

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041071.D
 Acq On : 5 Jun 2019 14:23
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
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 6/6/2019 3:42:15 PM

Quant Time: Jun 06 04:51:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	38521	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	144107	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	94286	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	246814	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	285941	20.00	ng	-0.03
87) Perylene-d12	25.10	264	303410	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	247869	116.03	ng	-0.01
7) Phenol-d6	7.25	99	337997	102.45	ng	-0.01
23) Nitrobenzene-d5	9.29	82	237697	73.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	173082	123.65	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	524789	80.16	ng	-0.02
79) Terphenyl-d14	20.08	244	1011720	75.09	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	8130	8.387	ng	97
3) Pyridine	3.93	79	18187	6.340	ng	92
4) n-Nitrosodimethylamine	3.85	42	9483	7.123	ng	# 73
6) Aniline	7.44	93	26617	6.044	ng	93
8) 2-Chlorophenol	7.66	128	16980	6.667	ng	96
9) Benzaldehyde	7.25	77	17937	9.114	ng	95
10) Phenol	7.28	94	22144	6.260	ng	99
11) bis(2-Chloroethyl)ether	7.52	93	16183	6.306	ng	93
12) 1,3-Dichlorobenzene	7.99	146	20624	6.780	ng	97
13) 1,4-Dichlorobenzene	8.15	146	20206	6.563	ng	94
14) 1,2-Dichlorobenzene	8.46	146	19216	6.428	ng	98
15) Benzyl Alcohol	8.35	79	17178	5.629	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.64	45	26643	6.354	ng	97
17) 2-Methylphenol	8.55	107	15261	5.958	ng	92
18) Hexachloroethane	9.19	117	8237	6.941	ng	93
19) n-Nitroso-di-n-propylamine	8.91	70	15518	6.112	ng	95
20) 3+4-Methylphenols	8.87	107	19963	5.627	ng	93
22) Acetophenone	8.94	105	29770	7.364	ng	# 98
24) Nitrobenzene	9.33	77	25971	7.851	ng	96
25) Isophorone	9.84	82	42666	6.907	ng	97
26) 2-Nitrophenol	10.04	139	10064	7.380	ng	92
27) 2,4-Dimethylphenol	10.08	122	15179	6.739	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	22179	6.652	ng	98
29) 2,4-Dichlorophenol	10.58	162	18632	6.514	ng	94
30) 1,2,4-Trichlorobenzene	10.79	180	22386	6.880	ng	98
31) Naphthalene	10.98	128	57615	7.446	ng	97
32) Benzoic acid	10.18	122	2583m	9.355	ng	
33) 4-Chloroaniline	11.10	127	23110	6.437	ng	96
34) Hexachlorobutadiene	11.24	225	17637	7.084	ng	95
35) Caprolactam	11.85	113	6108	6.467	ng	# 87
36) 4-Chloro-3-methylphenol	12.19	107	20869	6.389	ng	96
37) 2-Methylnaphthalene	12.58	142	39672	6.657	ng	99
38) 1-Methylnaphthalene	12.79	142	38490m	6.854	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	29487	7.759	ng	98

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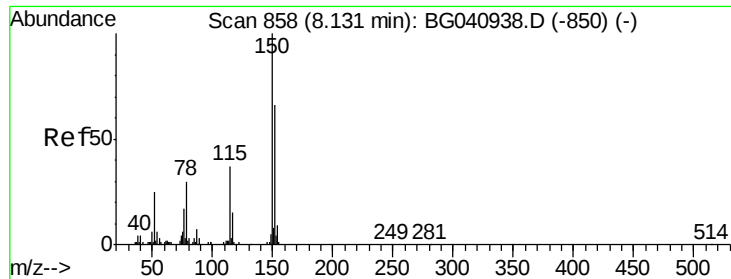
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	11307	13.201	nq	96
43) 2,4,6-Trichlorophenol	13.18	196	17700	7.200	nq	# 95
44) 2,4,5-Trichlorophenol	13.26	196	19340	7.459	nq	# 81
46) 1,1'-Biphenyl	13.58	154	54552	7.816	nq	95
47) 2-Chloronaphthalene	13.63	162	44151	7.369	nq	96
48) 2-Nitroaniline	13.83	65	15465	7.195	nq	99
49) Acenaphthylene	14.47	152	71575	7.937	nq	97
50) Dimethylphthalate	14.19	163	57302	7.179	nq	100
51) 2,6-Dinitrotoluene	14.32	165	12359	7.182	nq	93
52) Acenaphthene	14.80	154	39167	7.170	nq	97
53) 3-Nitroaniline	14.66	138	12305	7.151	nq	# 94
54) 2,4-Dinitrophenol	14.88	184	983	9.632	nq	# 39
55) Dibenzofuran	15.14	168	71965	7.829	nq	95
56) 4-Nitrophenol	14.96	139	6865	5.816	nq	94
57) 2,4-Dinitrotoluene	15.10	165	17721	7.290	nq	94
58) Fluorene	15.78	166	55953	7.643	nq	95
59) 2,3,4,6-Tetrachlorophenol	15.36	232	19286	7.569	nq	97
60) Diethylphthalate	15.54	149	58886	7.230	nq	94
61) 4-Chlorophenyl-phenylether	15.77	204	34383	7.226	nq	93
62) 4-Nitroaniline	15.81	138	13233	7.264	nq	98
63) Azobenzene	16.07	77	56189	7.590	nq	96
65) 4,6-Dinitro-2-methylphenol	15.86	198	5783	12.180	nq	92
66) n-Nitrosodiphenylamine	15.99	169	50322	7.253	nq	95
67) 4-Bromophenyl-phenylether	16.67	248	22267	6.685	nq	96
68) Hexachlorobenzene	16.78	284	23172	6.533	nq	99
69) Atrazine	16.92	200	20499	7.657	nq	92
70) Pentachlorophenol	17.14	266	7681	8.083	nq	96
71) Phenanthrene	17.53	178	99102	7.709	nq	99
72) Anthracene	17.62	178	99687	7.862	nq	96
73) Carbazole	17.89	167	87973	8.086	nq	97
74) Di-n-butylphthalate	18.42	149	99059	7.326	nq	100
75) Fluoranthene	19.53	202	135303	8.521	nq	98
77) Benzidine	19.72	184	59416	8.710	nq	96
78) Pyrene	19.89	202	137960	7.422	nq	98
80) Butylbenzylphthalate	20.76	149	50668	7.004	nq	97
81) Benzo(a)anthracene	21.74	228	147370	7.742	nq	93
82) 3,3'-Dichlorobenzidine	21.66	252	53119	7.934	nq	95
83) Chrysene	21.81	228	135756	7.453	nq	96
84) Bis(2-ethylhexyl)phthalate	21.61	149	70425	6.916	nq	99
85) Di-n-octyl phthalate	22.85	149	123224	7.266	nq	99
86) Indeno(1,2,3-cd)pyrene	28.92	276	156631	7.020	nq	# 87
88) Benzo(b)fluoranthene	24.02	252	134403	7.303	nq	96
89) Benzo(k)fluoranthene	24.09	252	136795	7.512	nq	97
90) Benzo(a)pyrene	24.94	252	132835	7.566	nq	93
91) Dibenzo(a,h)anthracene	28.97	278	130639	7.446	nq	98
92) Benzo(g,h,i)perylene	30.12	276	130361	7.648	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

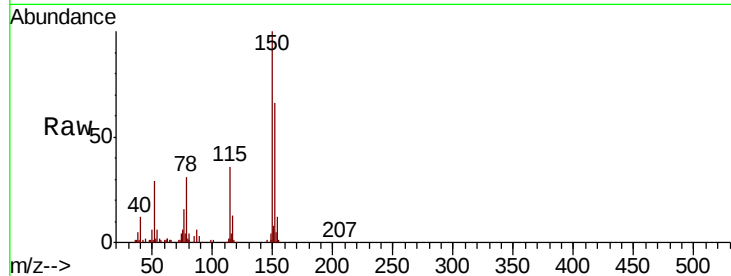
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	120.6	180.8
115	54.6	45.1	67.7

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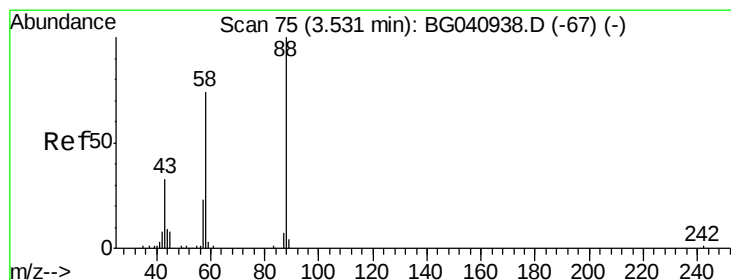
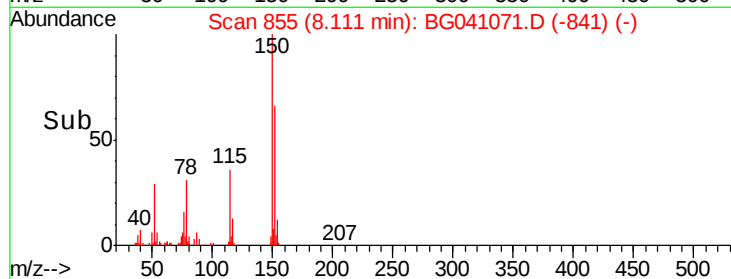
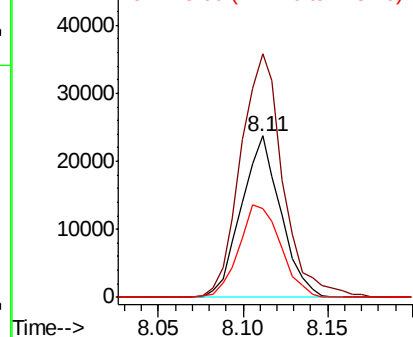


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

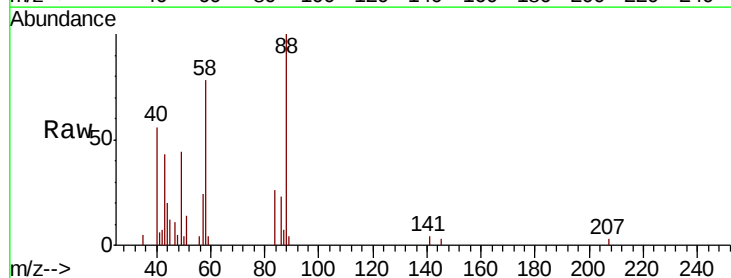
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.387 ng
RT: 3.51 min Scan# 72
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.2	59.0	88.6
43	36.8	27.2	40.8

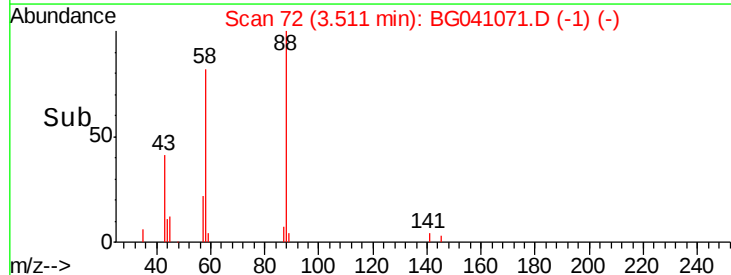
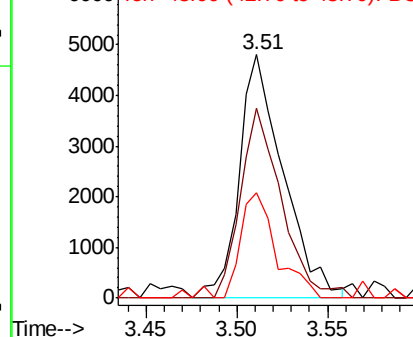


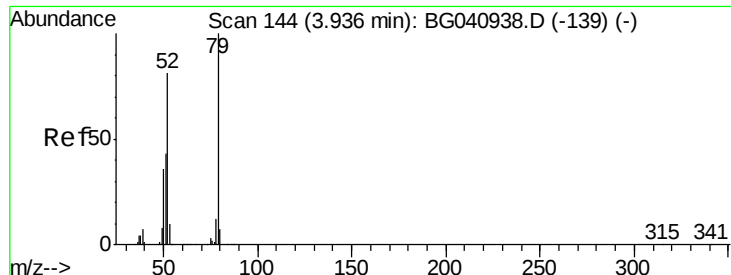
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 6.340 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

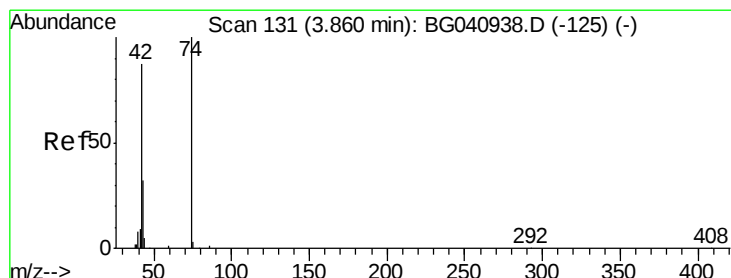
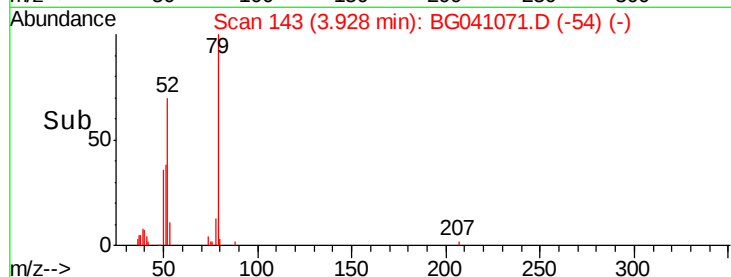
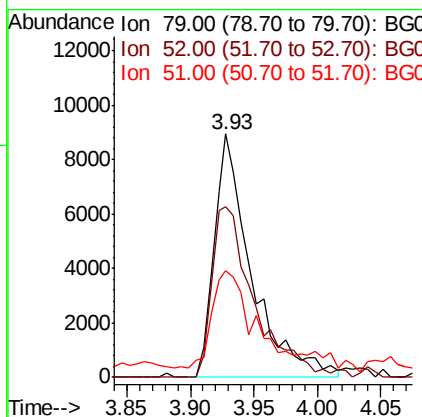
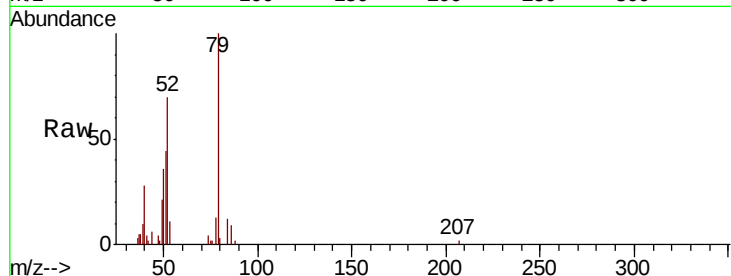
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	79	Resp:	18187
Ion Ratio	Lower	Upper	
79	100		
52	70.2	64.8	97.2
51	43.9	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 7.123 ng

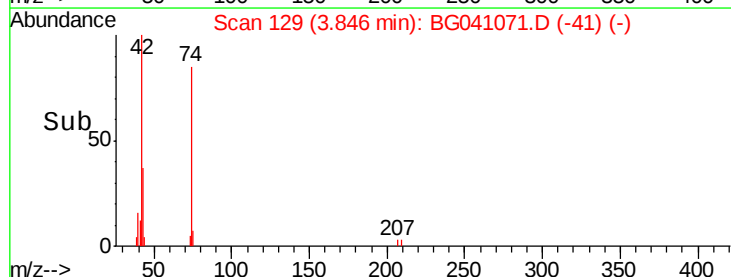
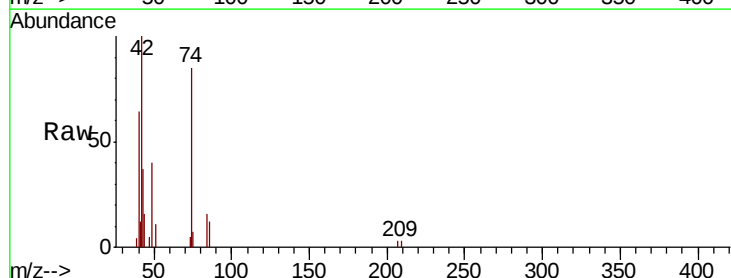
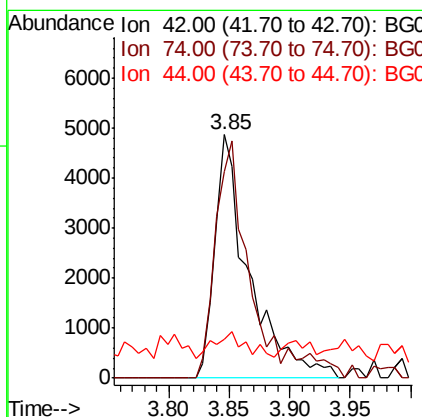
RT: 3.85 min Scan# 129

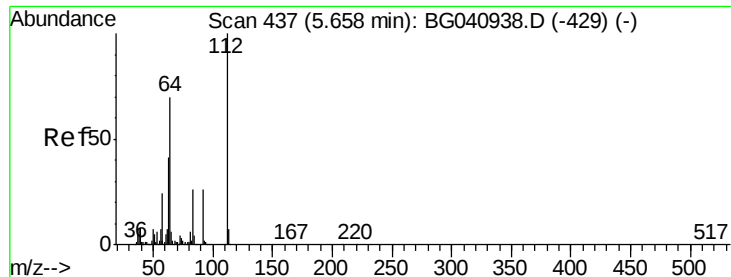
Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	42	Resp:	9483
Ion Ratio	Lower	Upper	
42	100		
74	84.9	91.8	137.6#
44	16.0	6.0	9.0#





#5

2-Fluorophenol

Concen: 116.030 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

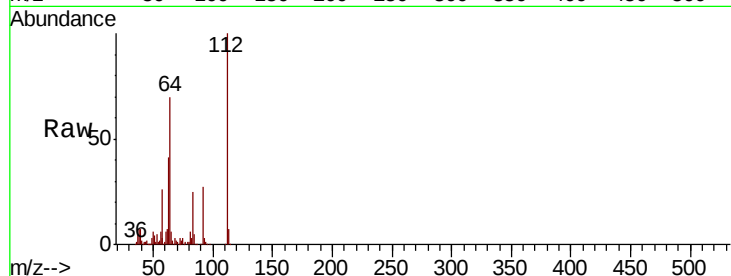
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

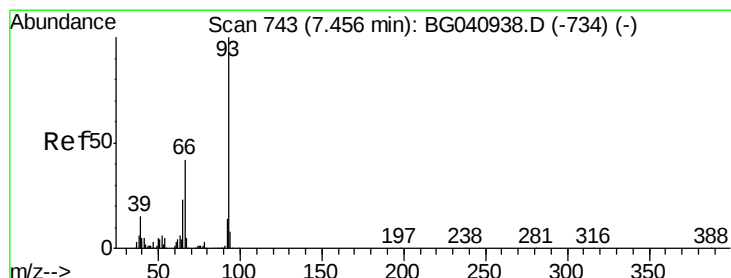
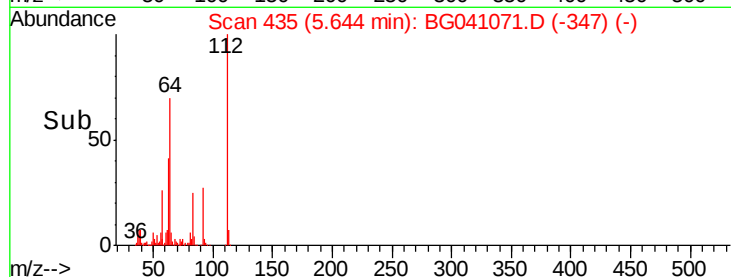
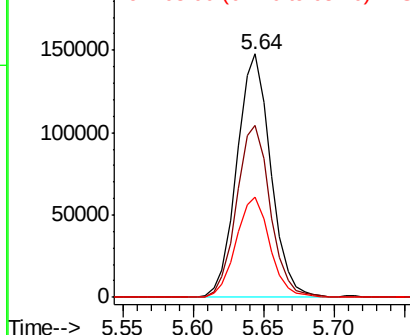
Tot Ion:	112	Resp:	247869
Ion Ratio	Lower	Upper	
112	100		
64	70.4	56.2	84.2
63	41.4	32.8	49.2

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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 6.044 ng

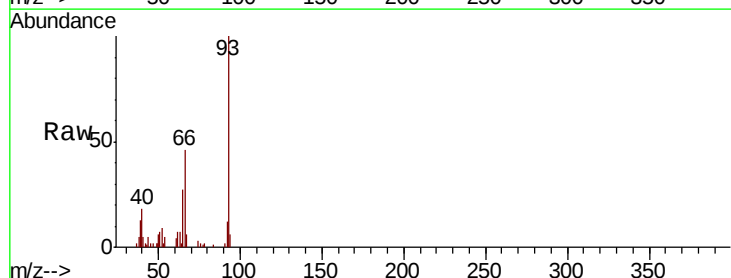
RT: 7.44 min Scan# 740

Delta R.T. -0.02 min

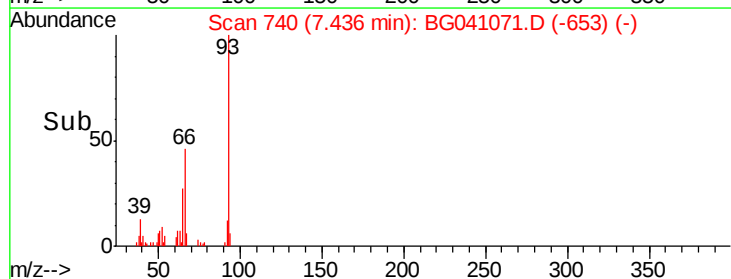
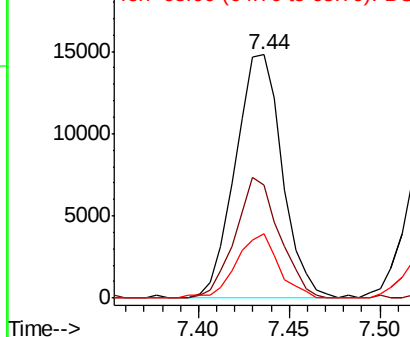
Lab File: BG041071.D

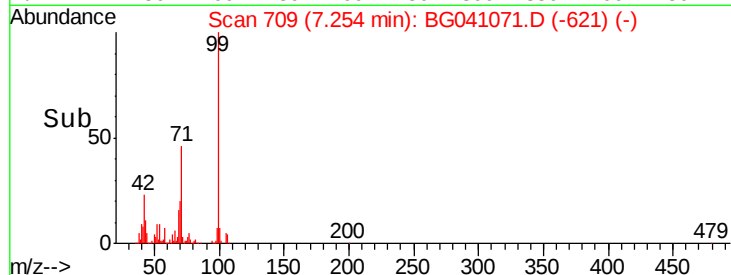
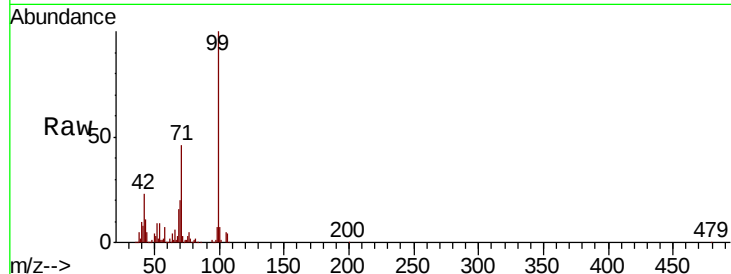
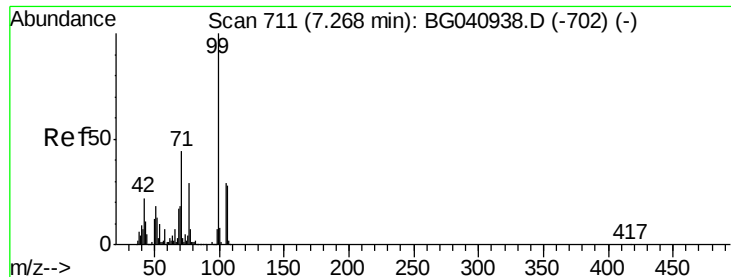
Acq: 5 Jun 2019 14:23

Tgt Ion:	93	Resp:	26617
Ion Ratio	Lower	Upper	
93	100		
66	46.4	33.8	50.8
65	26.5	18.3	27.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 102.448 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tot Ion:	99	Resp:	337997
Ion Ratio	Lower	Upper	
99	100		
42	23.5	17.9	26.9
71	45.7	35.4	53.0

Instrument :

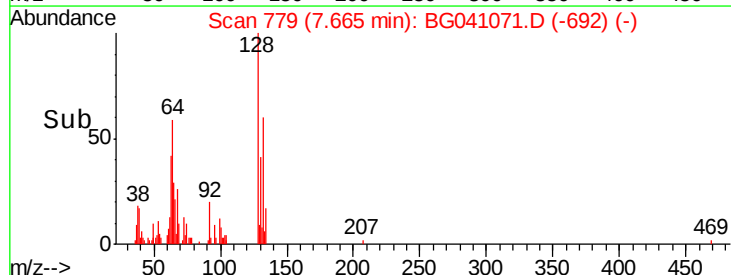
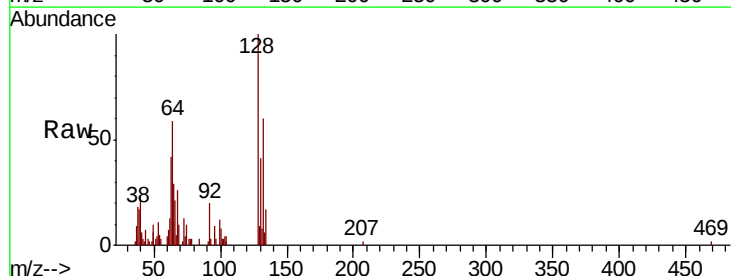
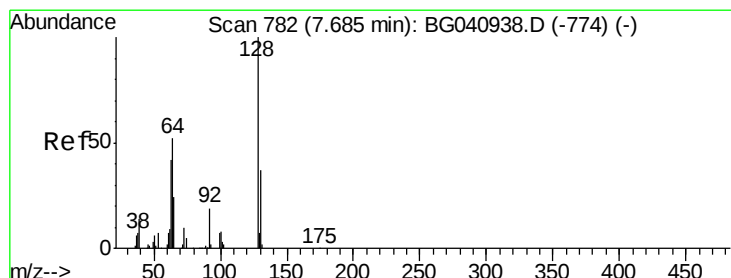
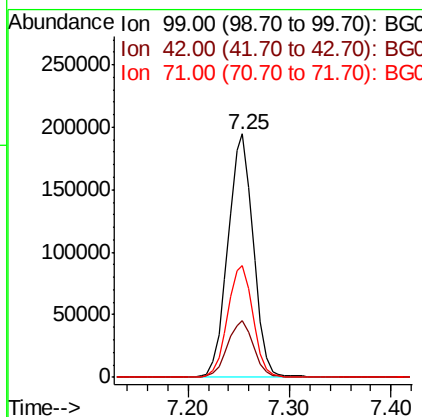
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ClientSampleId :

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#8

2-Chlorophenol

Concen: 6.667 ng

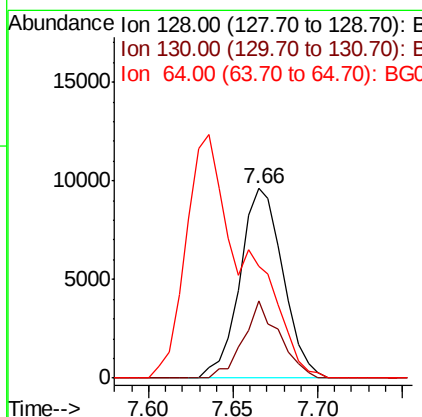
RT: 7.66 min Scan# 779

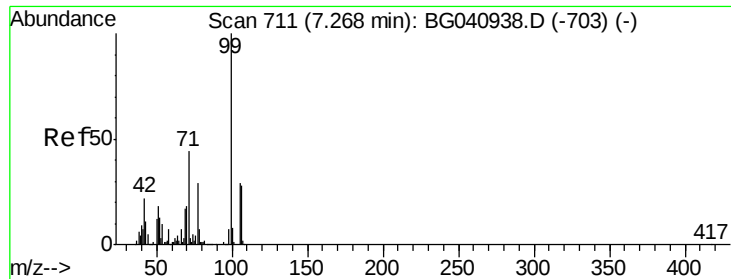
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	128	Resp:	16980
Ion Ratio	Lower	Upper	
128	100		
130	40.8	16.6	56.6
64	59.1	37.8	77.8





#9

Benzaldehyde

Concen: 9.114 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

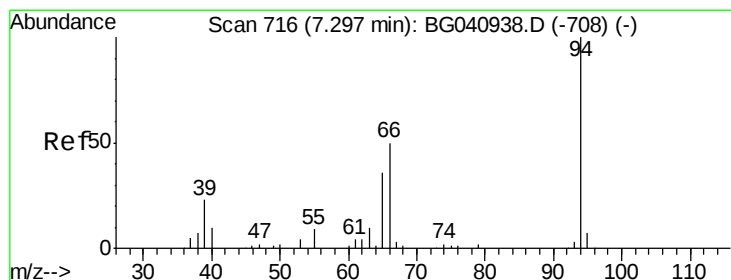
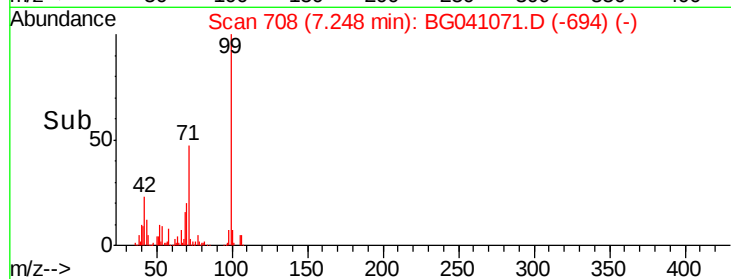
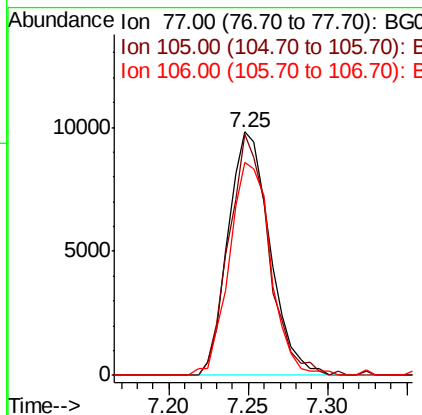
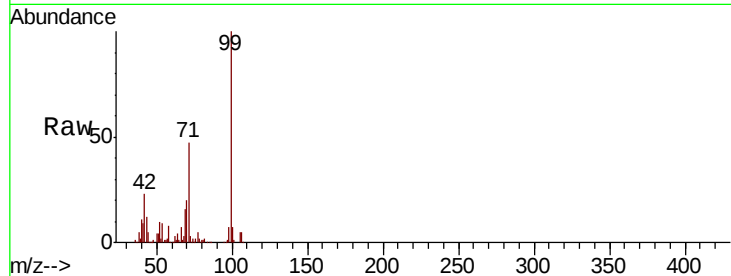
ClientSampleID :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	77	Resp:	17937
Ion	Ratio	Lower	Upper
77	100		
105	99.3	78.9	118.9
106	87.3	76.7	116.7

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#10

Phenol

Concen: 6.260 ng

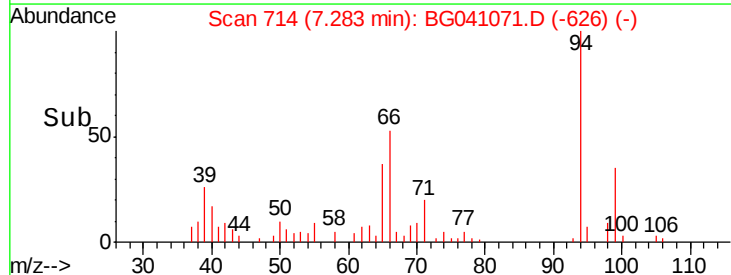
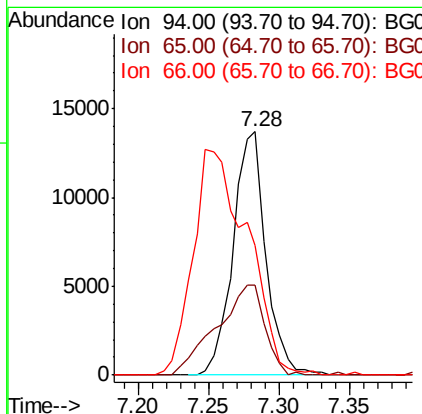
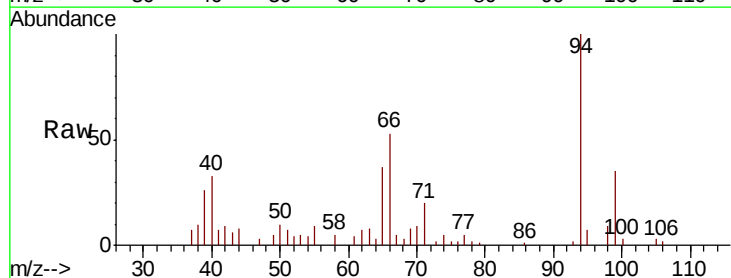
RT: 7.28 min Scan# 714

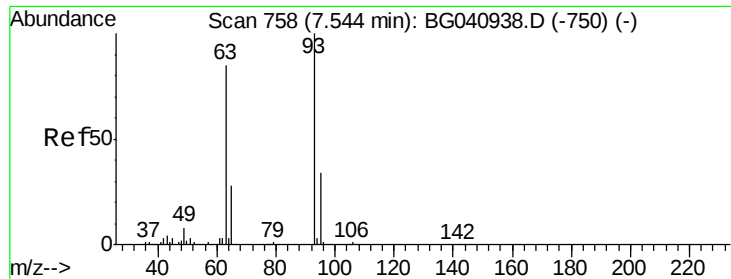
Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	94	Resp:	22144
Ion	Ratio	Lower	Upper
94	100		
65	37.2	17.0	57.0
66	53.1	32.4	72.4





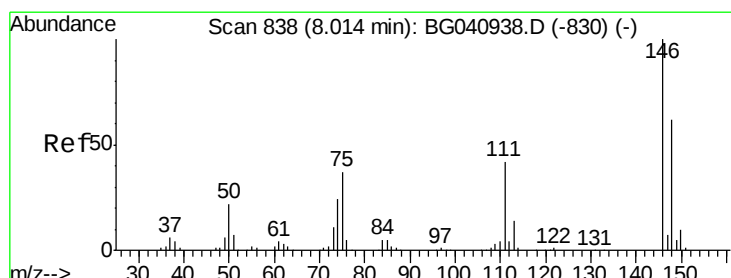
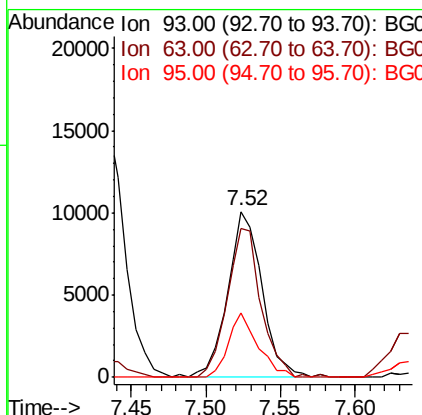
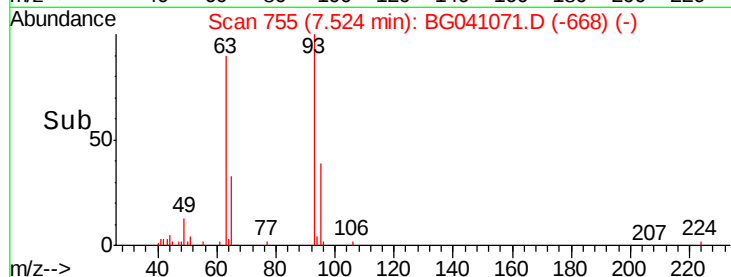
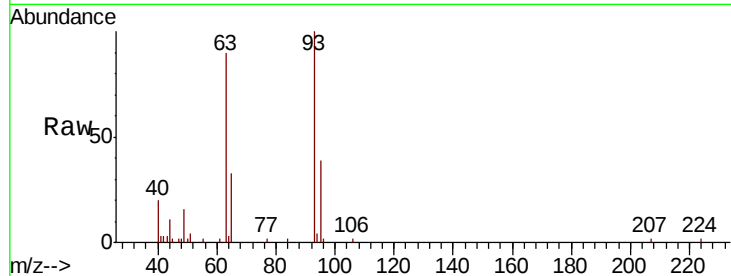
#11
bis(2-Chloroethyl)ether
Concen: 6.306 ng
RT: 7.52 min Scan# 755
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.8	64.5	104.5
95	38.5	13.3	53.3

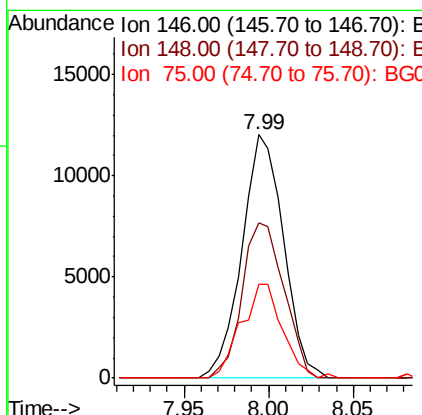
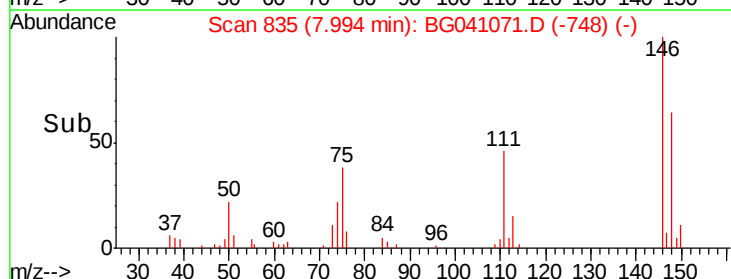
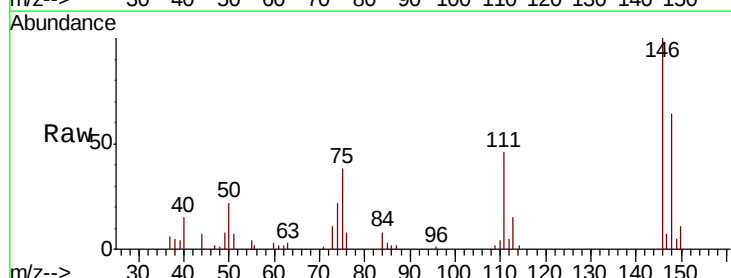
Manual Integrations
APPROVED

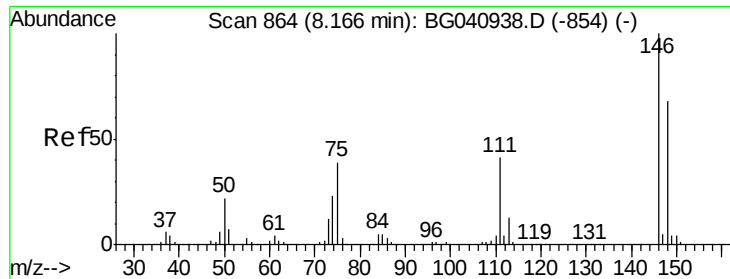
mohammad
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#12
1,3-Dichlorobenzene
Concen: 6.780 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	49.2	73.8
75	38.3	29.4	44.0





#13

1,4-Dichlorobenzene

Concen: 6.563 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

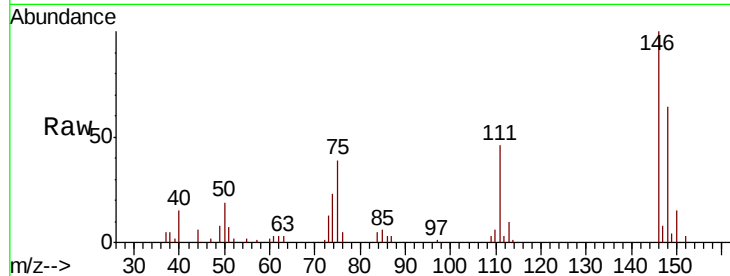
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

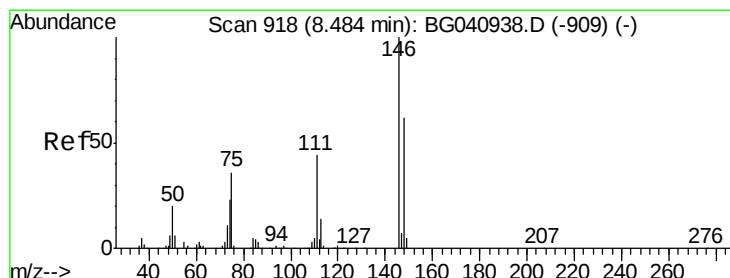
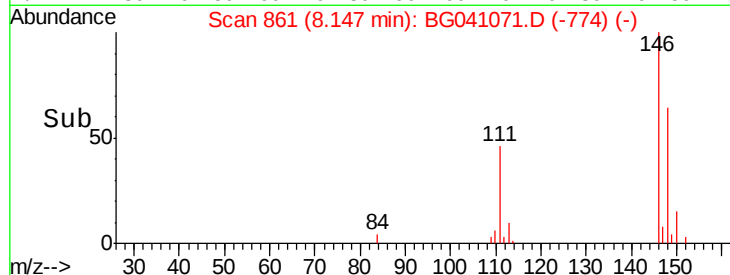
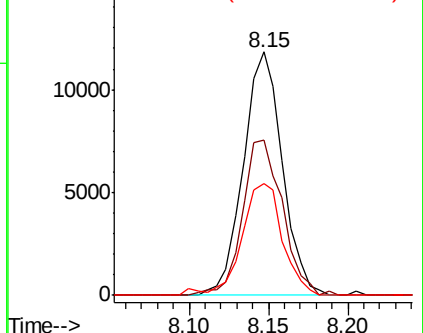
Tot Ion:	146	Resp:	20206
Ion Ratio	Lower	Upper	
146	100		
148	63.6	54.2	81.4
111	45.8	32.9	49.3

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.428 ng

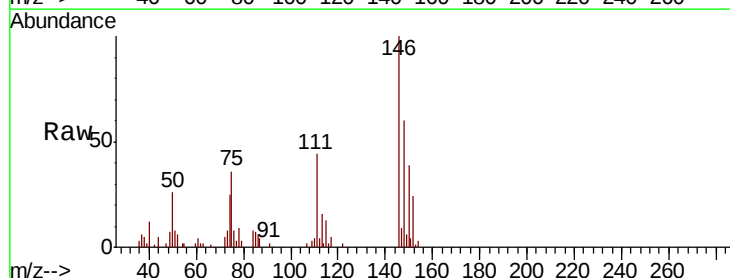
RT: 8.46 min Scan# 915

Delta R.T. -0.02 min

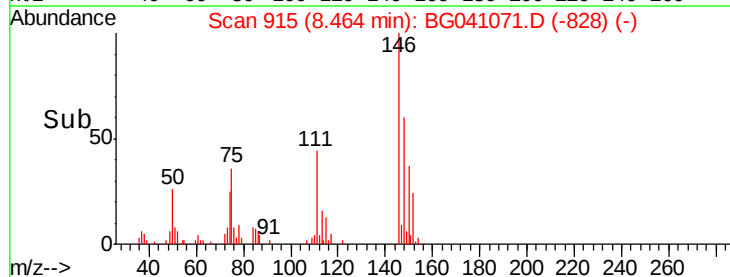
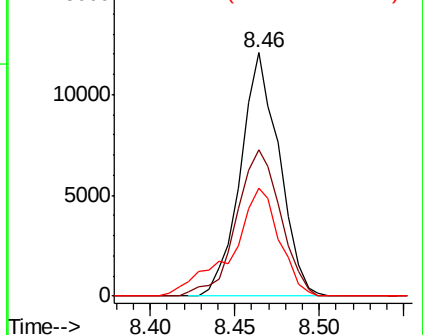
Lab File: BG041071.D

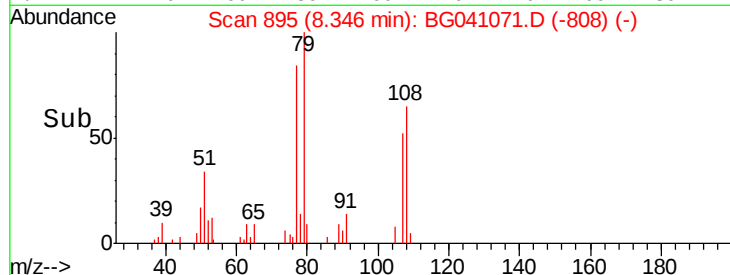
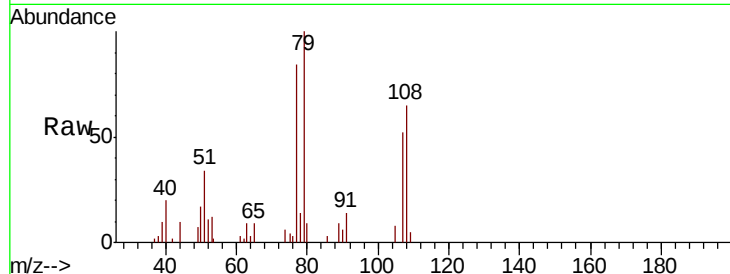
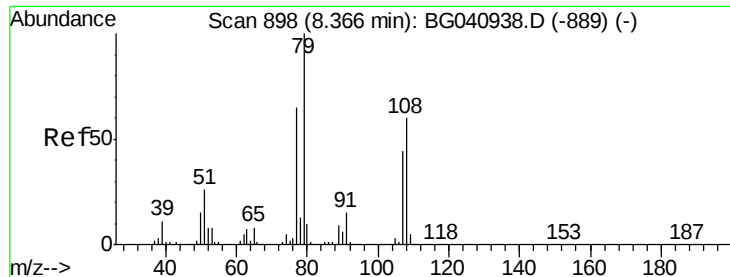
Acq: 5 Jun 2019 14:23

Tgt Ion:	146	Resp:	19216
Ion Ratio	Lower	Upper	
146	100		
148	60.1	49.8	74.6
111	44.4	35.0	52.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





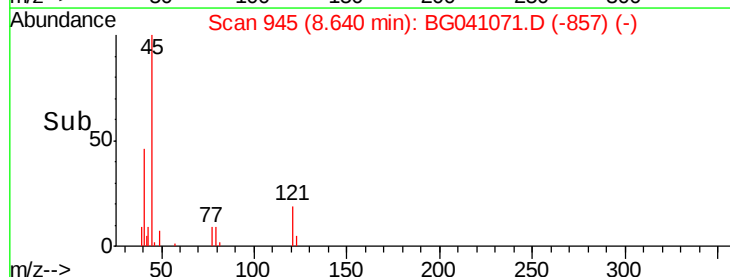
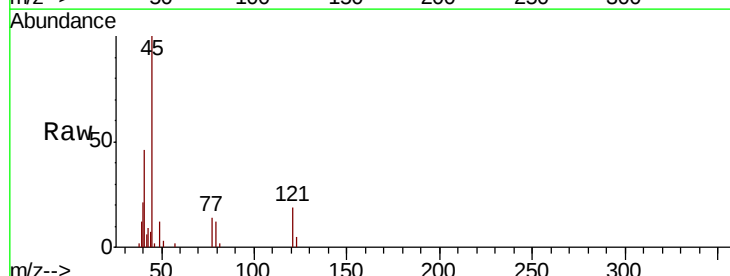
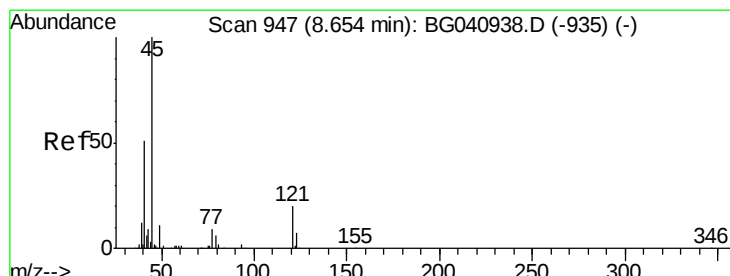
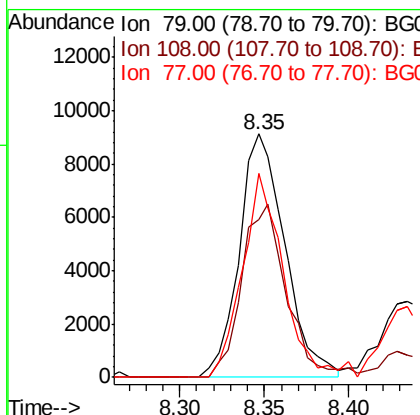
#15
Benzyl Alcohol
Concen: 5.629 ng
RT: 8.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tot Ion	Ratio	Lower	Upper
79	100		
108	64.8	48.3	72.5
77	84.0	52.3	78.5

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

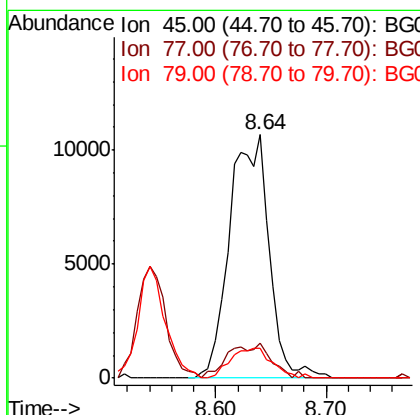
Manual Integrations
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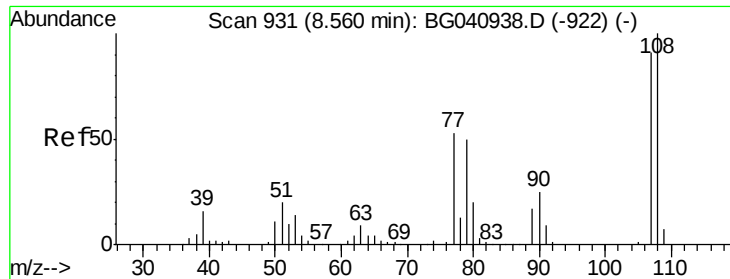
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.354 ng
RT: 8.64 min Scan# 945
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.7
79	12.0	0.0	30.2





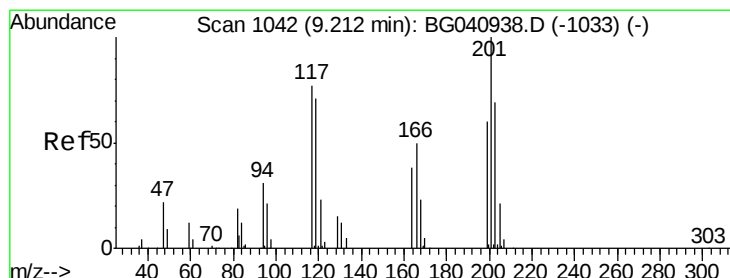
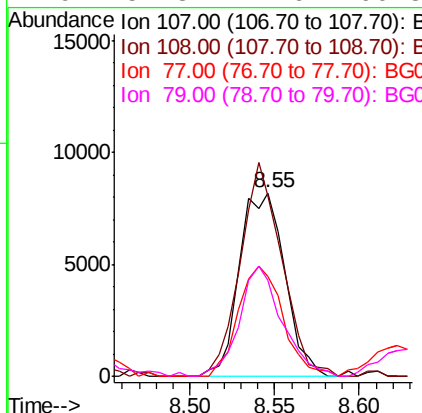
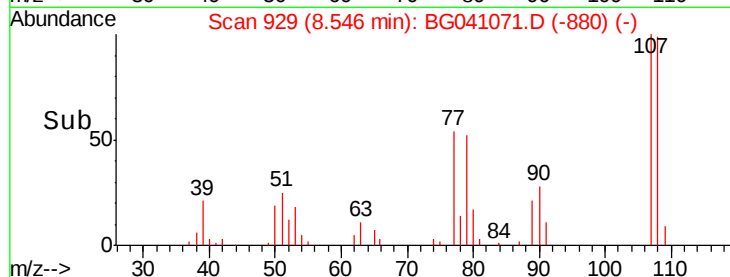
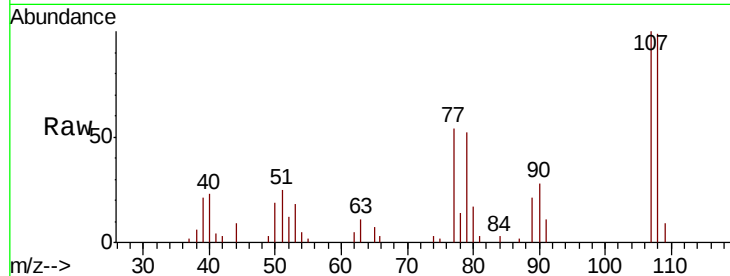
#17
2-Methylphenol
Concen: 5.958 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	107	Resp:	15261
Ion Ratio	Lower	Upper	
107	100		
108	98.6	87.7	131.5
77	54.4	46.6	70.0
79	52.3	44.6	66.8

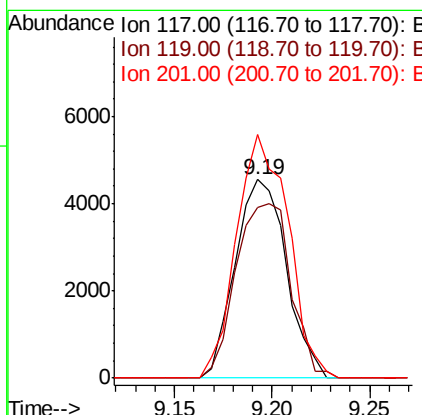
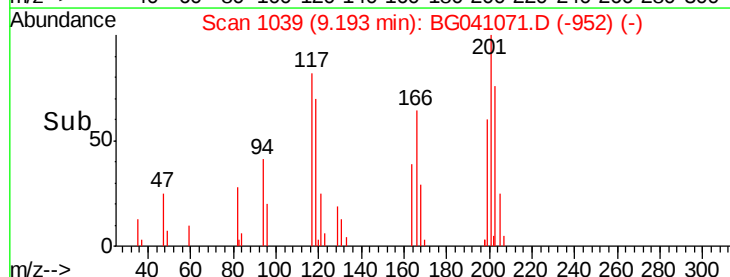
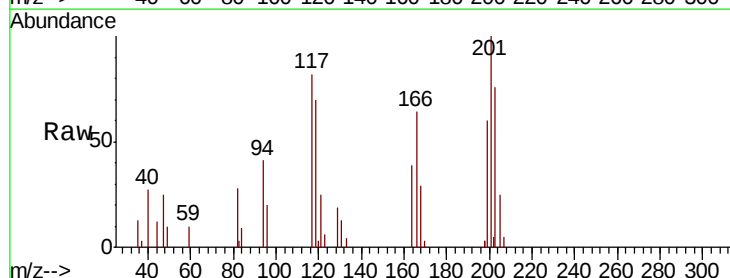
Manual Integrations
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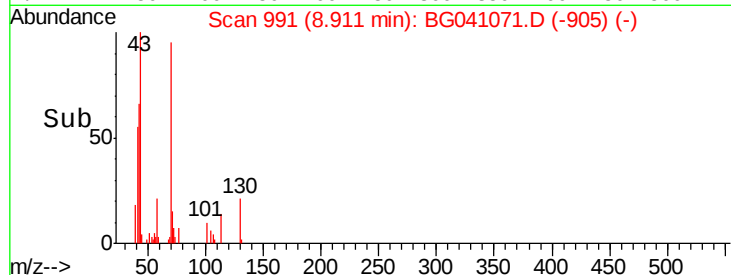
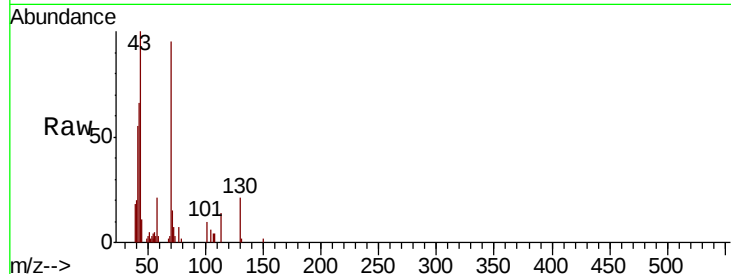
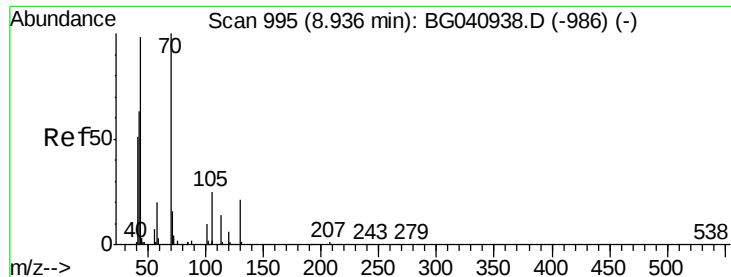
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#18
Hexachloroethane
Concen: 6.941 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

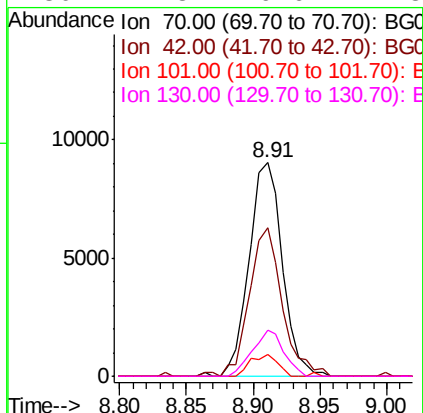
Tgt Ion:	117	Resp:	8237
Ion Ratio	Lower	Upper	
117	100		
119	86.1	75.0	112.6
201	122.7	103.5	155.3





#19
n-Nitroso-di-n-propylamine
Concen: 6.112 ng
RT: 8.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

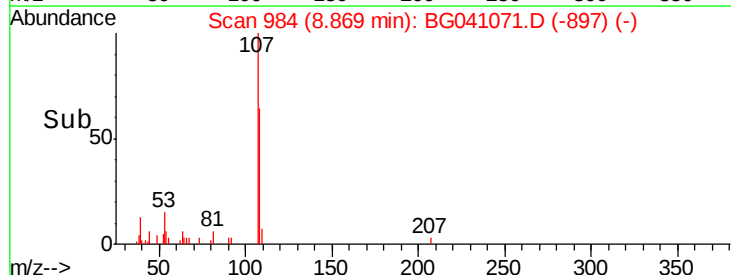
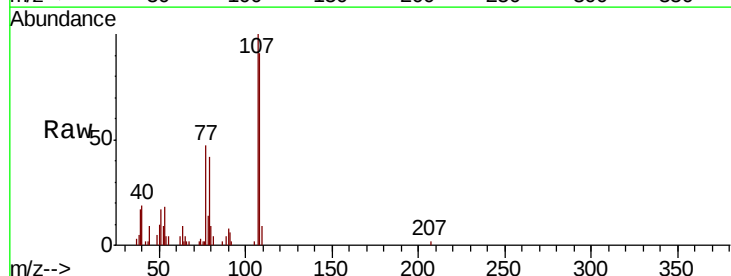
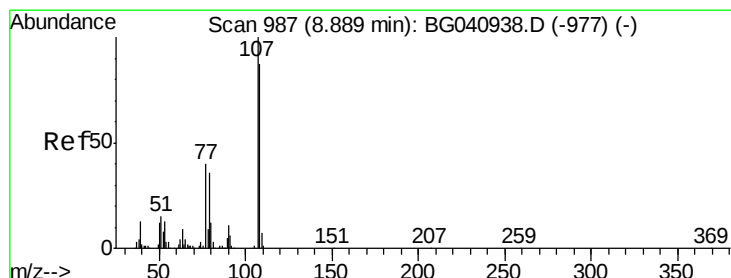
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	69.4	51.5	77.3	
101	10.1	8.1	12.1	
130	21.8	16.6	24.8	



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

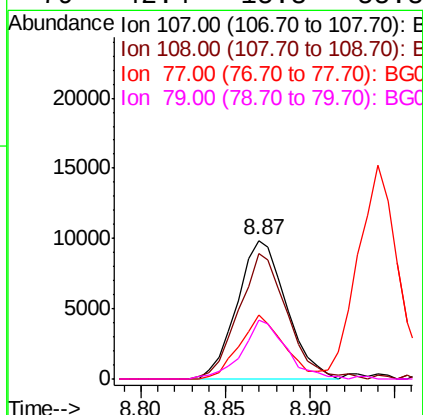
Manual Integrations
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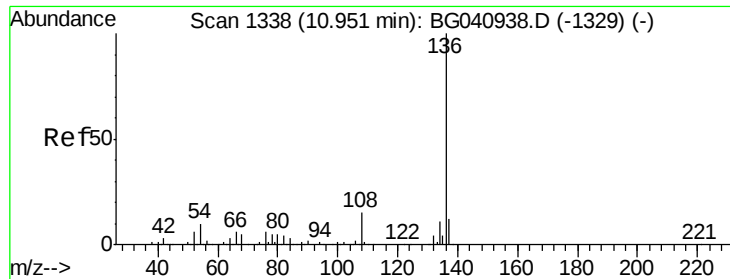
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#20
3+4-Methylphenols
Concen: 5.627 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.7	66.8	106.8	
77	46.6	20.5	60.5	
79	42.4	15.8	55.8	





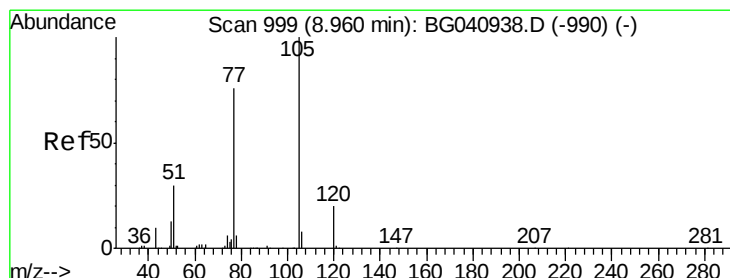
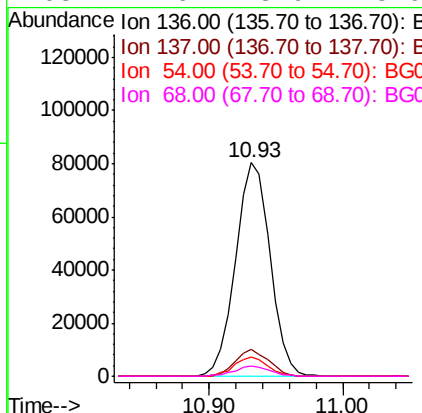
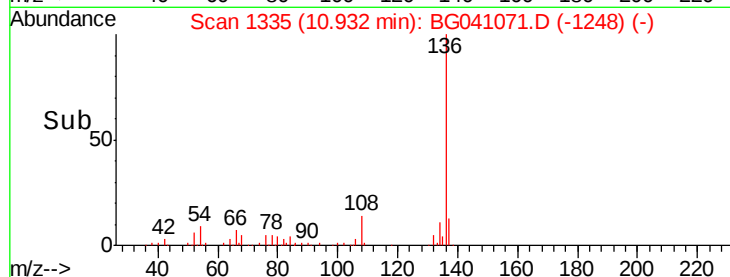
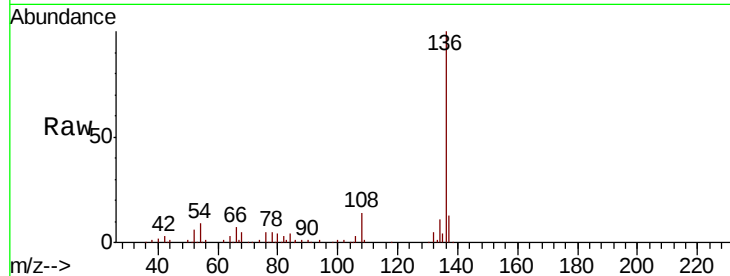
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	144107		
137	12.6	9.5	14.3	
54	9.6	7.6	11.4	
68	4.6	3.9	5.9	

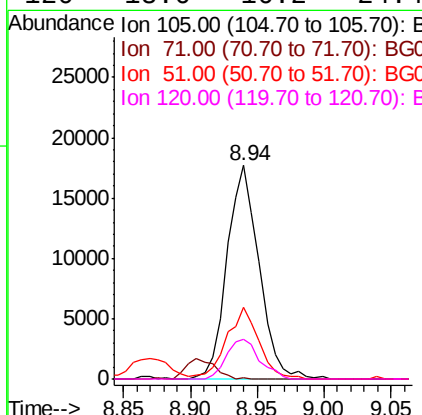
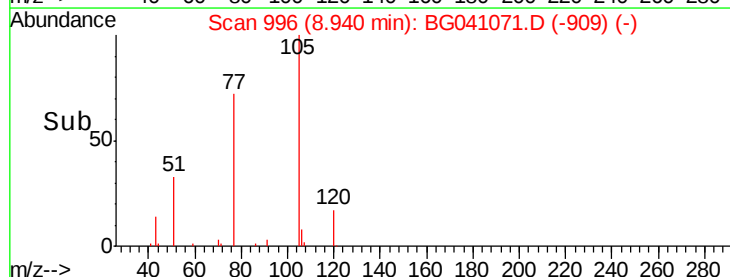
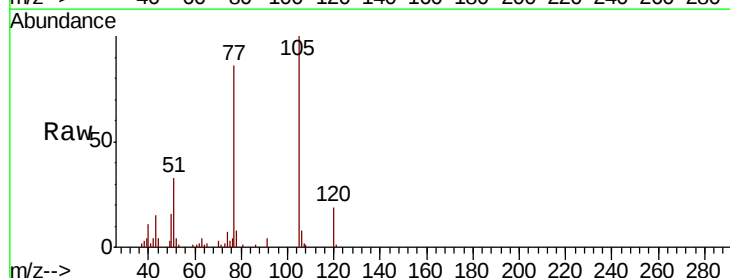
Manual Integrations
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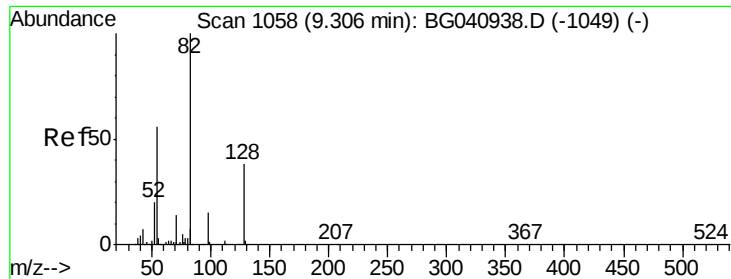
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#22
Acetophenone
Concen: 7.364 ng
RT: 8.94 min Scan# 996
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	29770		
71	0.9	0.4	0.6#	
51	33.3	27.0	40.6	
120	18.6	16.2	24.4	





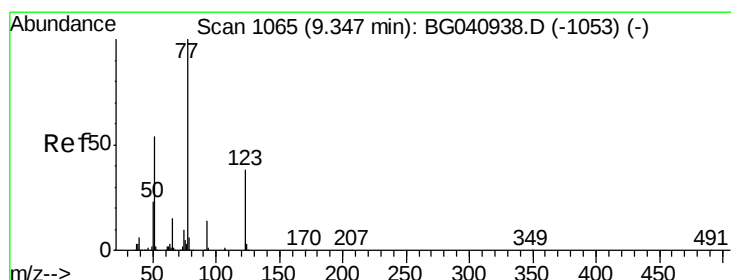
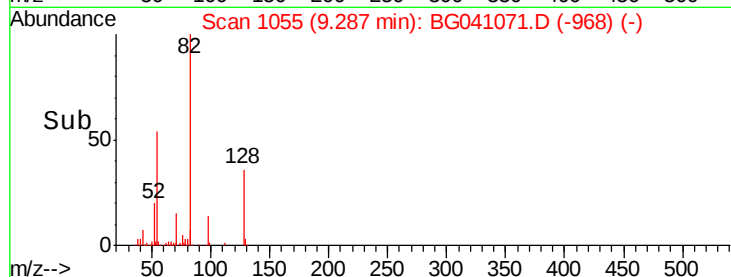
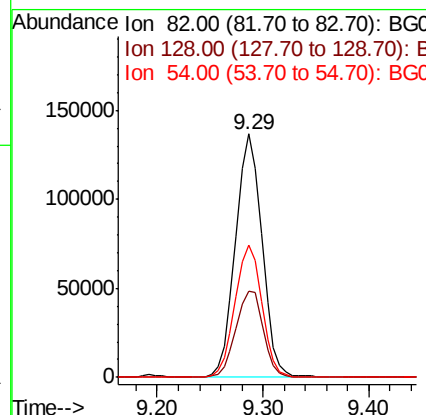
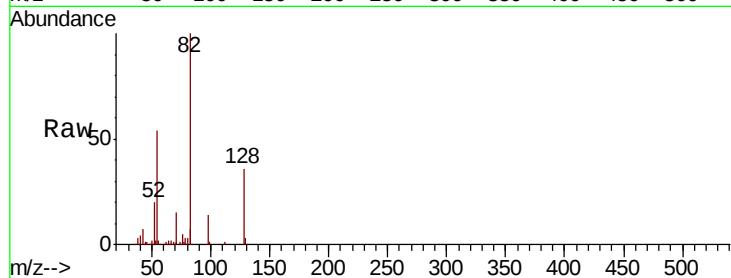
#23
Nitrobenzene-d5
Concen: 73.225 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	30.5	45.7
54	54.3	44.6	66.8

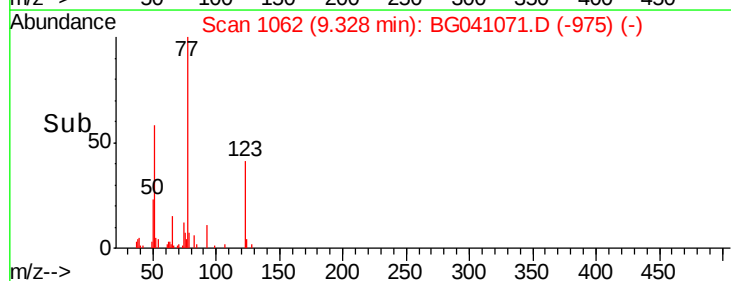
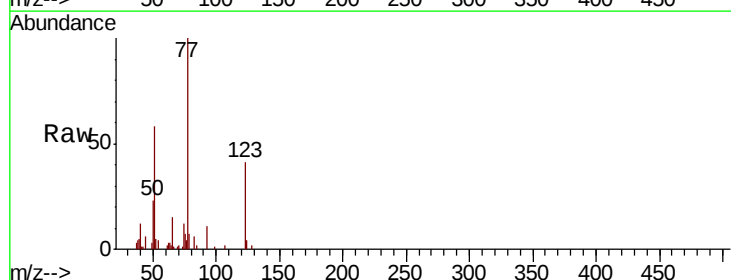
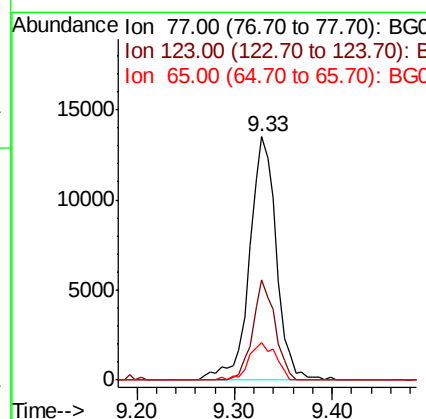
Manual Integrations
APPROVED

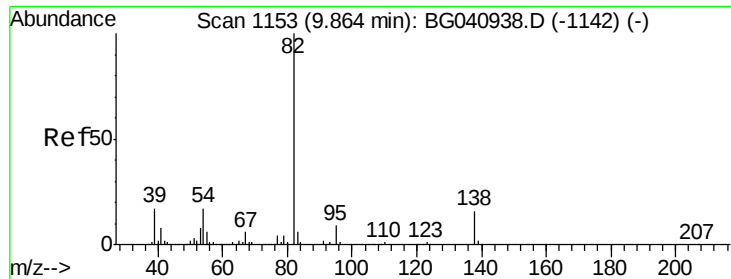
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#24
Nitrobenzene
Concen: 7.851 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.3	30.6	46.0
65	15.4	12.3	18.5





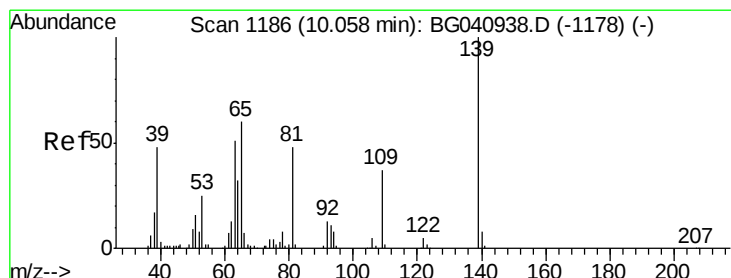
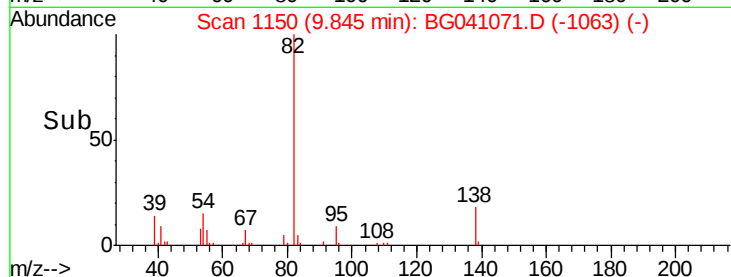
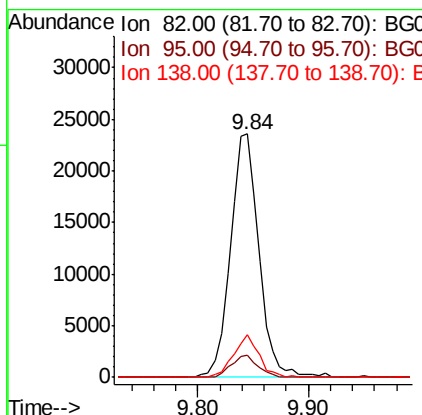
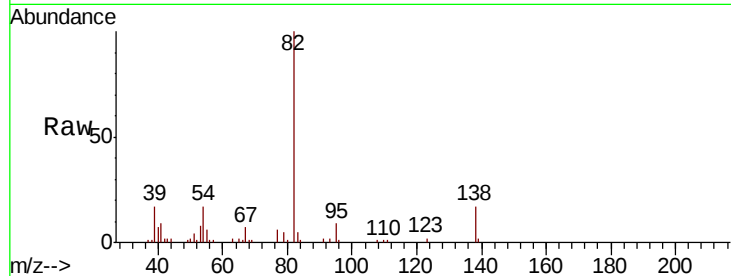
#25
Isophorone
Concen: 6.907 ng
RT: 9.84 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	42666		
95	9.2		7.0	10.4
138	17.3		12.6	19.0

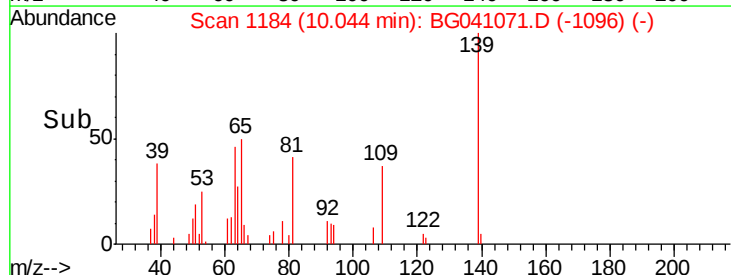
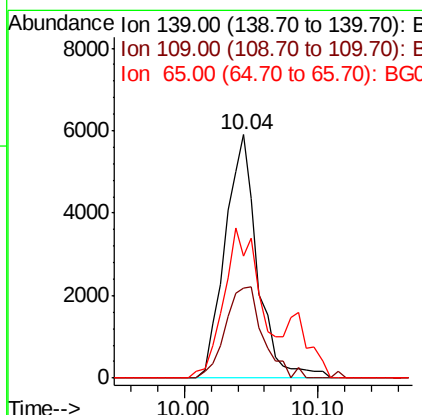
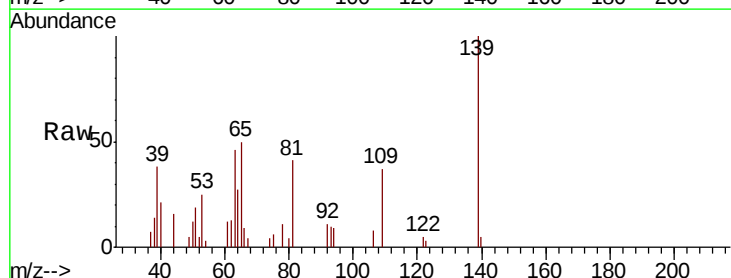
Manual Integrations
APPROVED

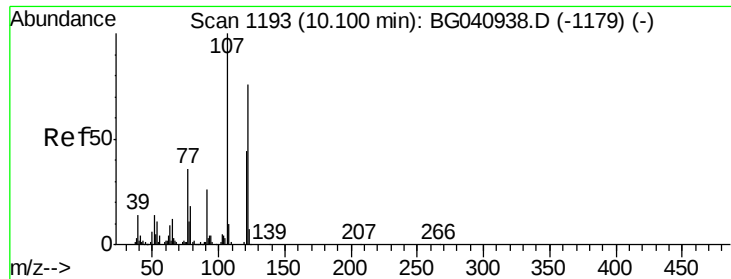
mohammad
6/6/2019 3:42:15 PM



#26
2-Nitrophenol
Concen: 7.380 ng
RT: 10.04 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	10064		
109	36.7		29.8	44.6
65	50.0		47.8	71.6





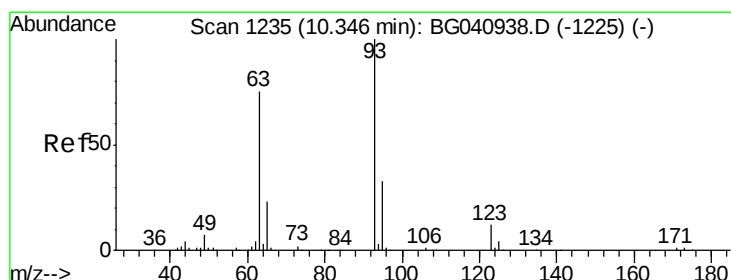
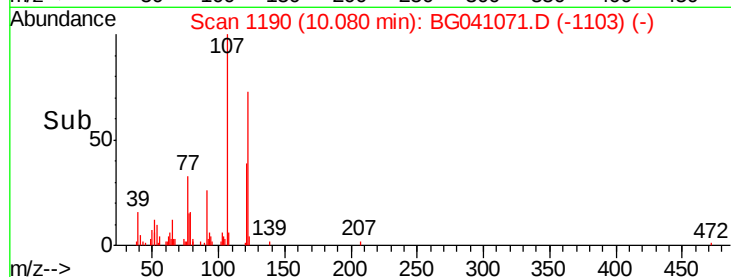
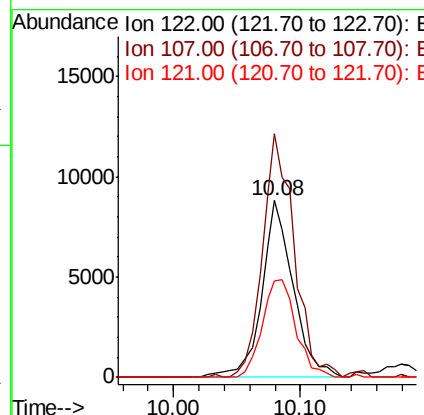
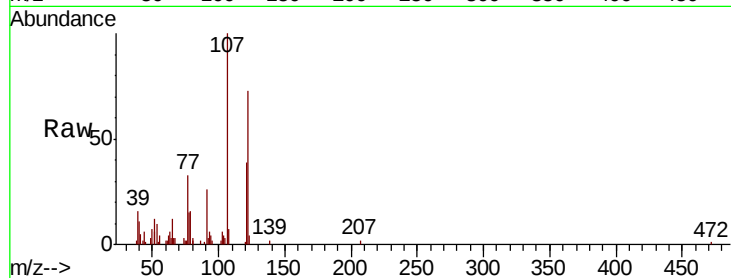
#27
2,4-Dimethylphenol
Concen: 6.739 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	137.8	105.9	158.9
121	54.3	46.2	69.4

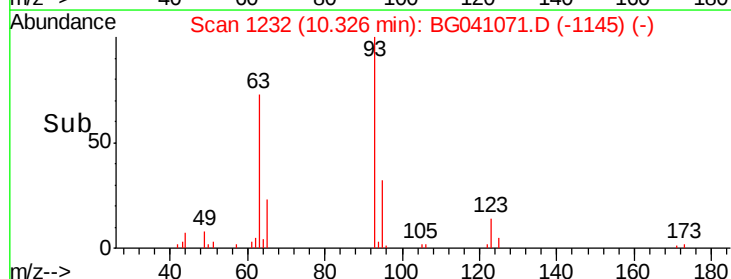
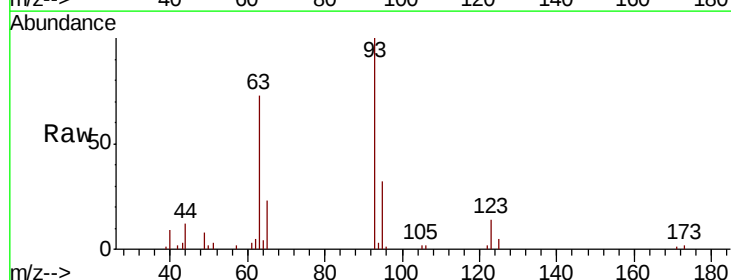
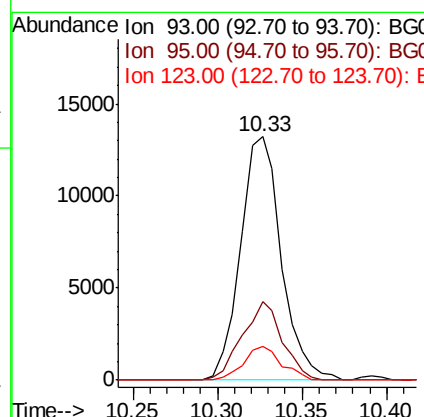
Manual Integrations
APPROVED

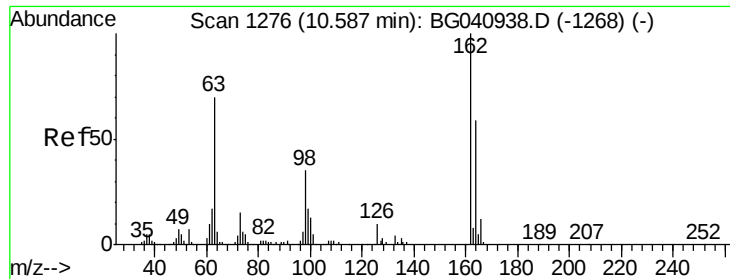
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 6.652 ng
RT: 10.33 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	13.8	9.5	14.3





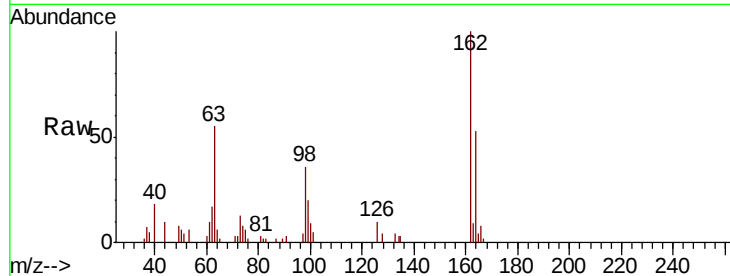
#29
2,4-Dichlorophenol
Concen: 6.514 ng
RT: 10.58 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	53.1	39.4	79.4
98	36.2	15.3	55.3

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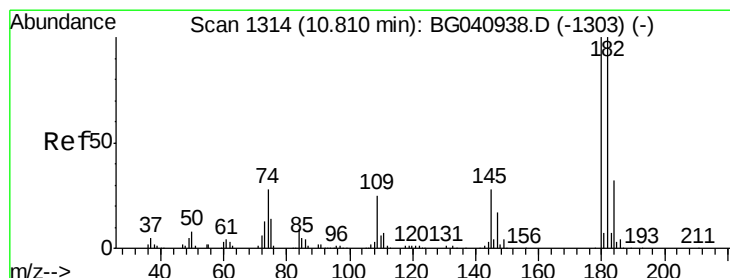
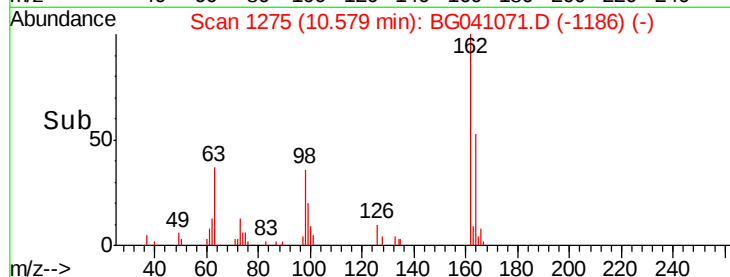
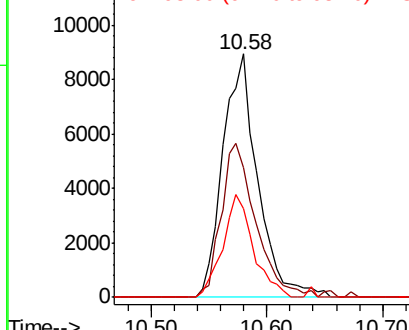


Abundance

Ion 162.00 (161.70 to 162.70): E

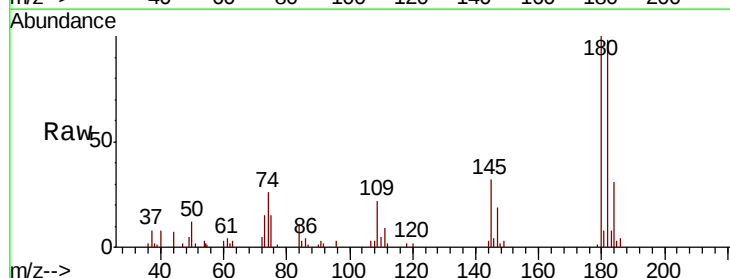
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 6.880 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	79.7	119.5
145	31.5	22.6	34.0

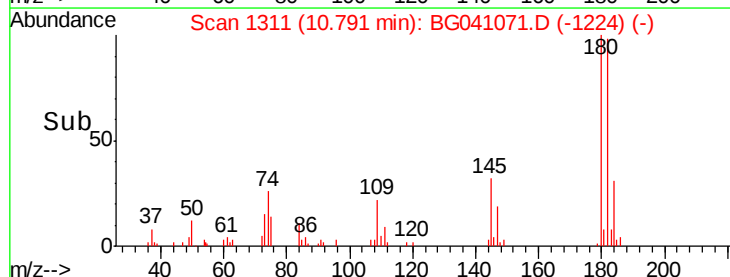
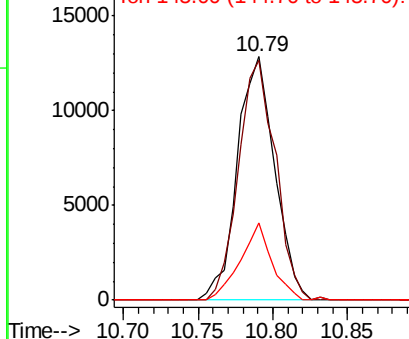


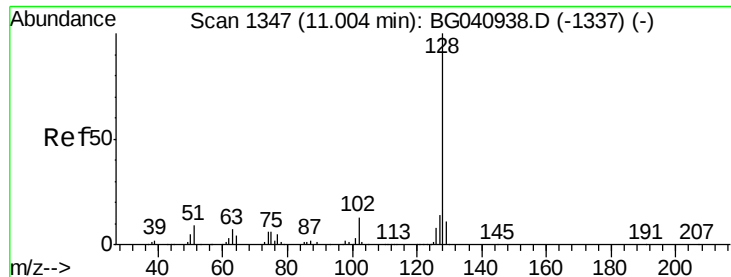
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





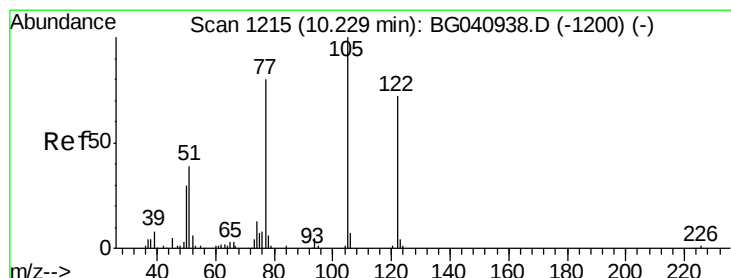
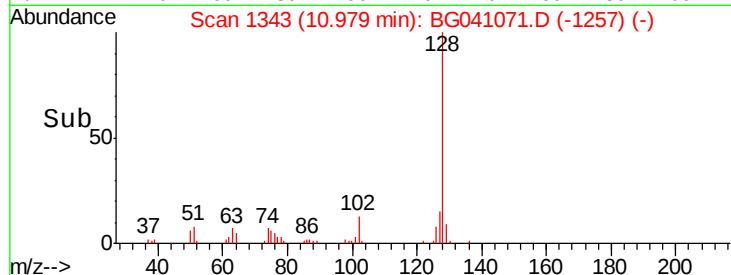
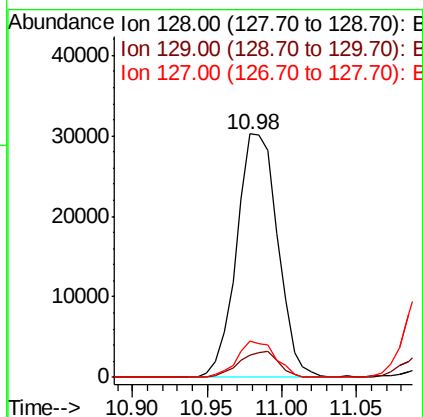
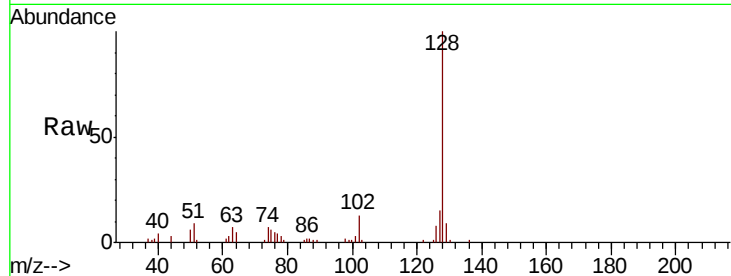
#31
Naphthalene
Concen: 7.446 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.03 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.2	8.5	12.7
127	15.0	11.4	17.2

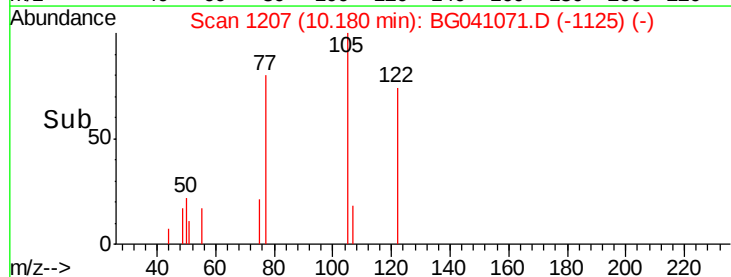
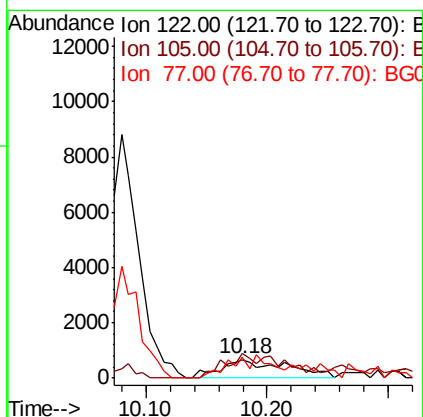
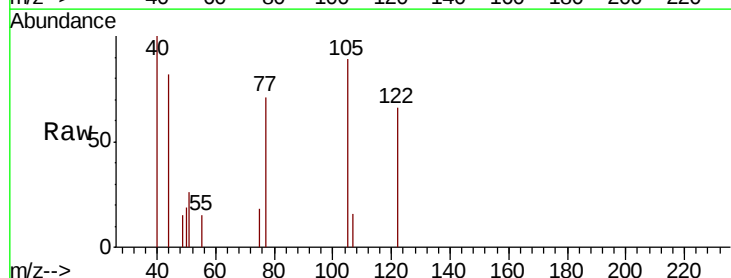
Manual Integrations
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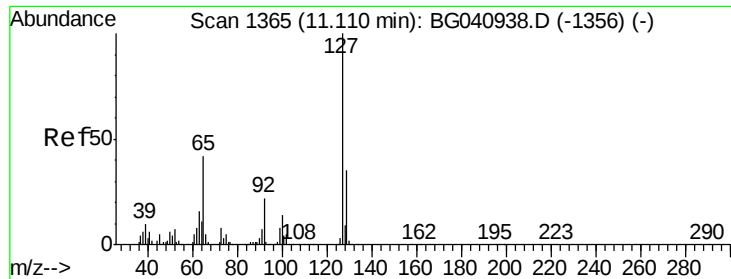
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#32
Benzoic acid
Concen: 9.355 ng m
RT: 10.18 min Scan# 1207
Delta R.T. -0.05 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
122	100		
105	135.0	114.8	154.8
77	108.1	89.9	129.9





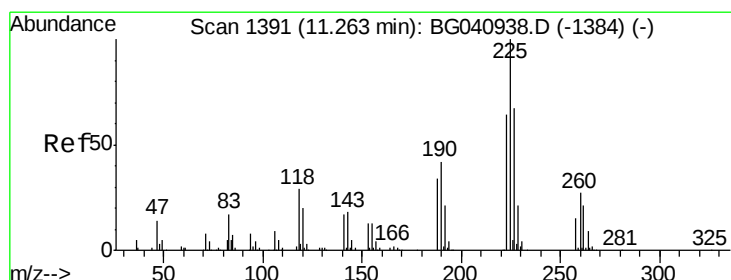
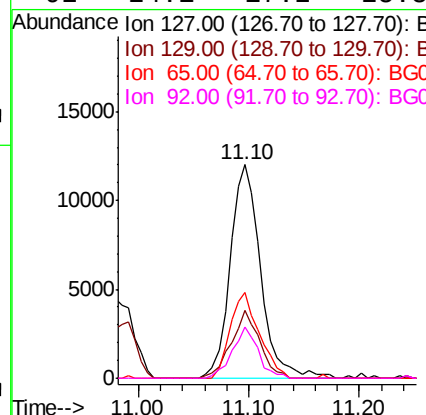
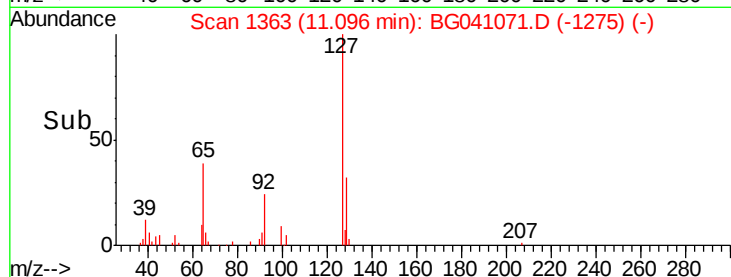
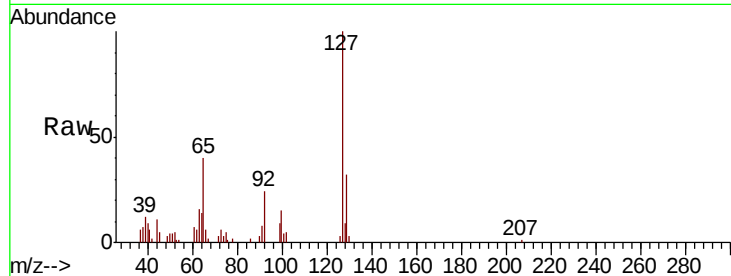
#33
4-Chloroaniline
Concen: 6.437 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.9	27.7	41.5
65	40.1	33.2	49.8
92	24.1	17.2	25.8

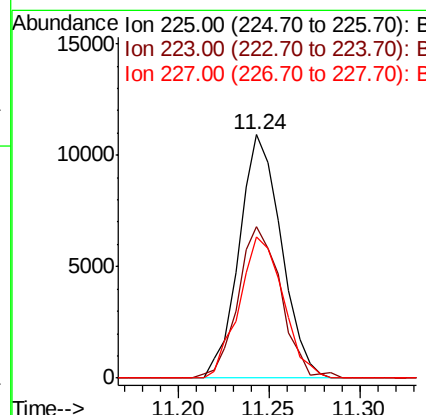
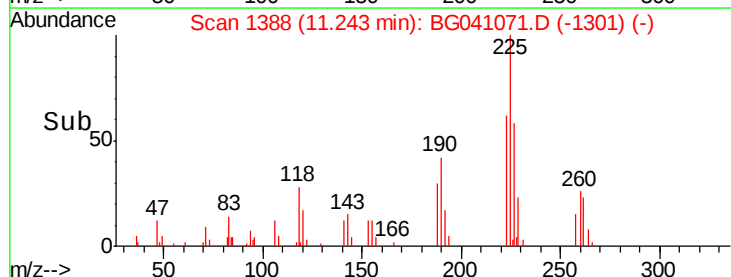
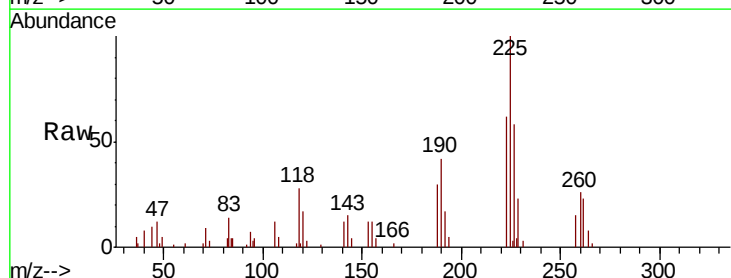
Manual Integrations
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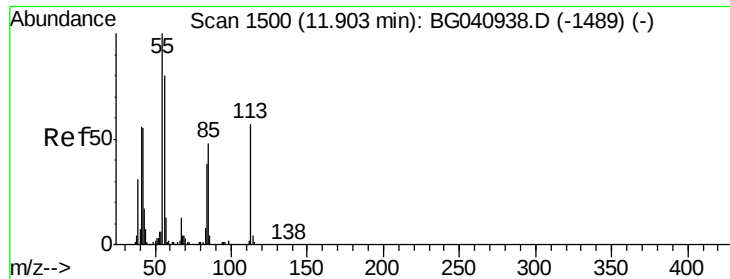
mohammad
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#34
Hexachlorobutadiene
Concen: 7.084 ng
RT: 11.24 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	48.8	73.2
227	58.1	51.4	77.0





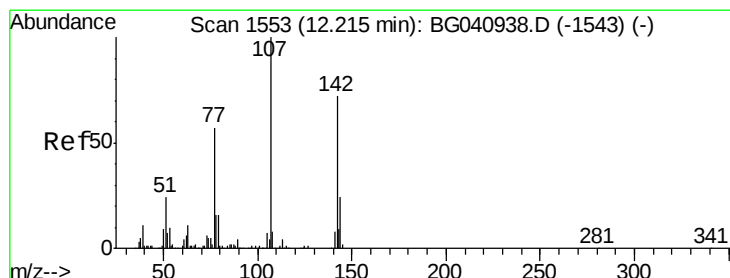
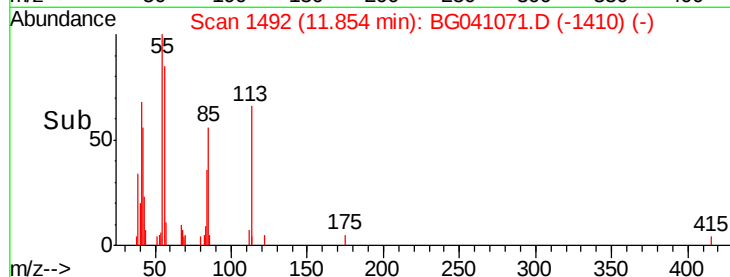
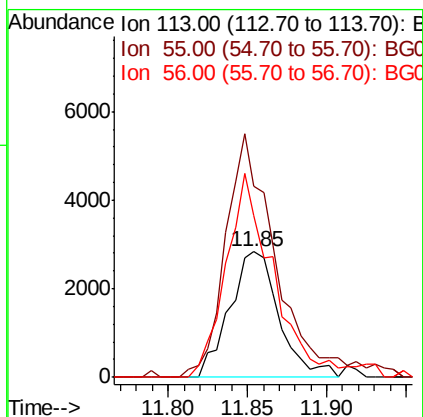
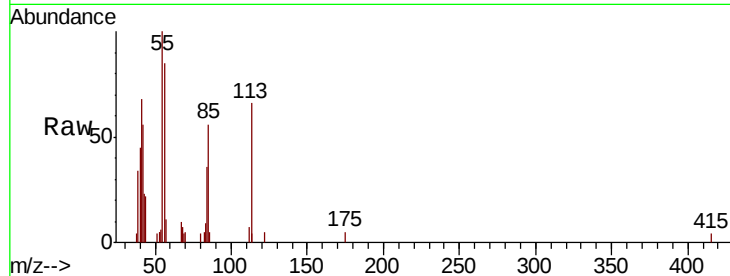
#35
 Caprolactam
 Concen: 6.467 ng
 RT: 11.85 min Scan# 1492
 Delta R.T. -0.05 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	152.3	155.9	195.9#
56	128.7	119.9	159.9

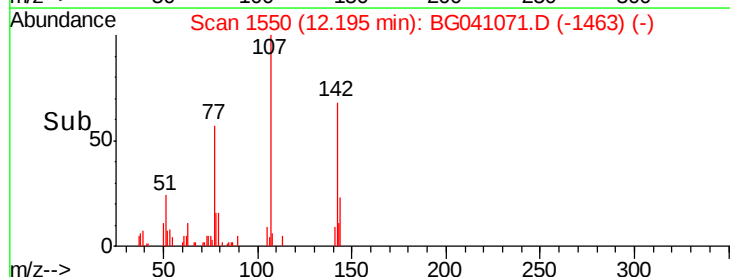
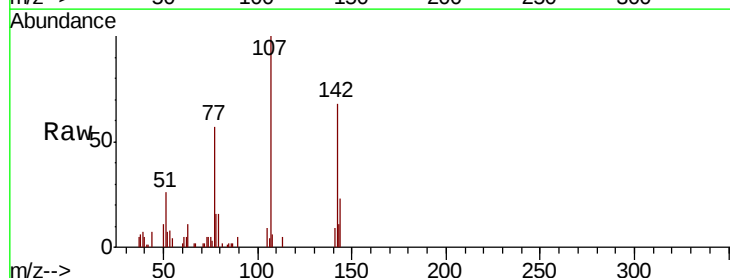
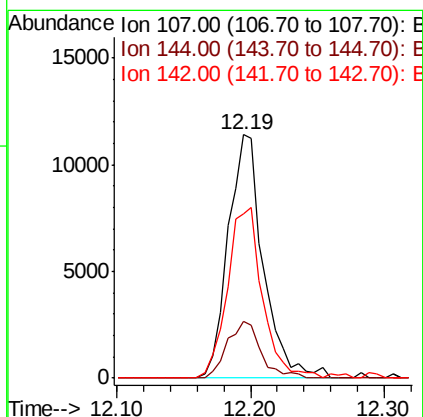
Manual Integrations
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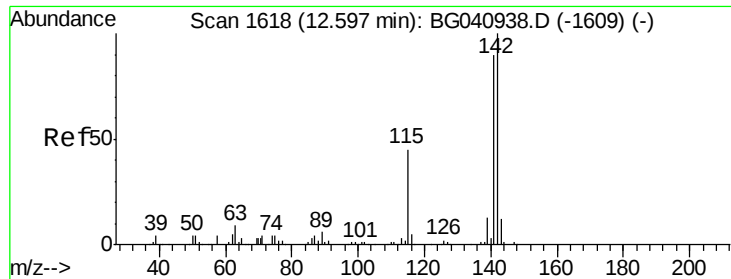
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 6.389 ng
 RT: 12.19 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.1	19.4	29.0
142	67.7	57.3	85.9





#37

2-Methylnaphthalene

Concen: 6.657 ng

RT: 12.58 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

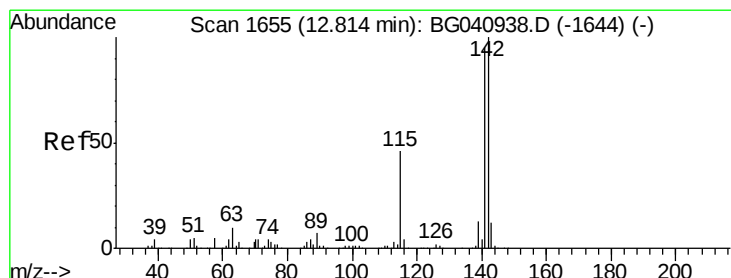
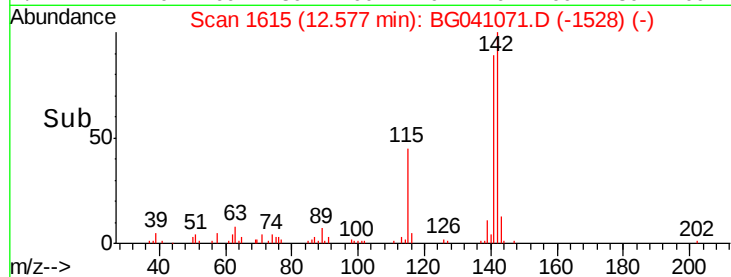
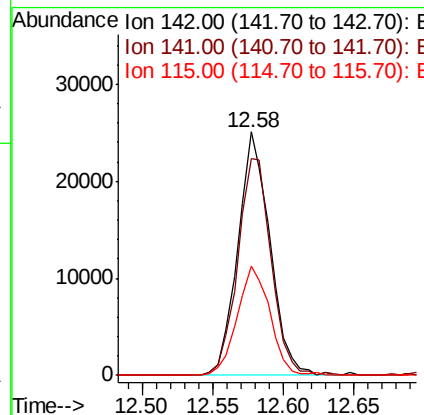
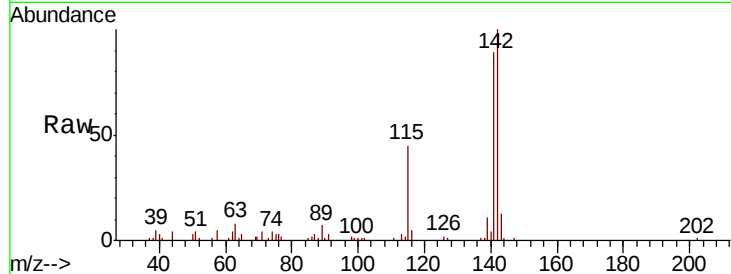
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	142	Resp:	39672
Ion Ratio	Lower	Upper	
142	100		
141	88.9	72.2	108.4
115	45.0	36.2	54.4

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#38

1-Methylnaphthalene

Concen: 6.854 ng m

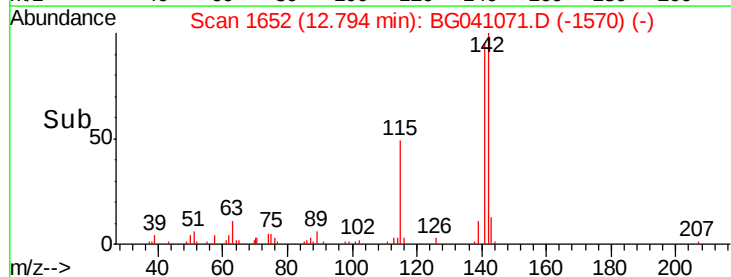
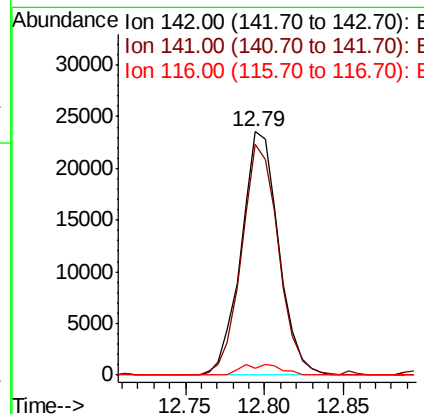
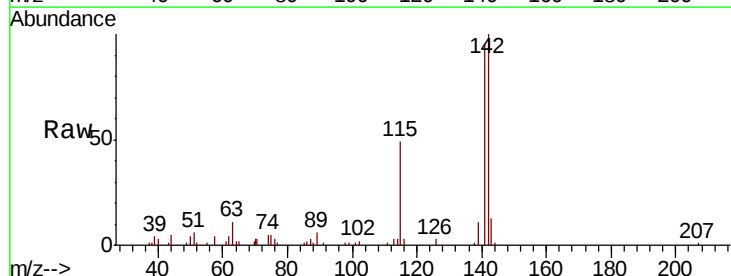
RT: 12.79 min Scan# 1652

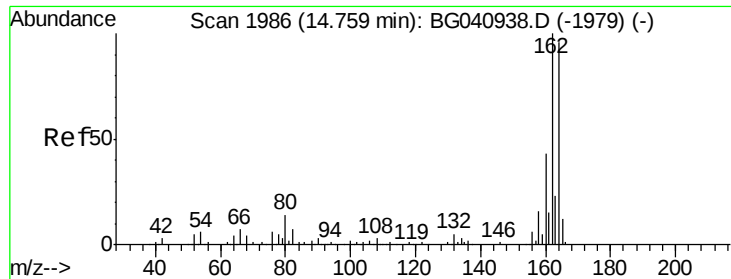
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	142	Resp:	38490
Ion Ratio	Lower	Upper	
142	100		
141	94.8	75.7	113.5
116	2.9	3.4	5.2#





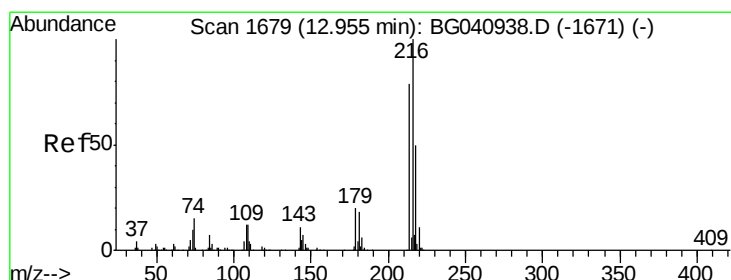
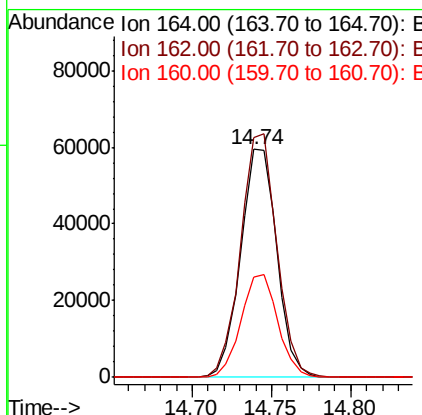
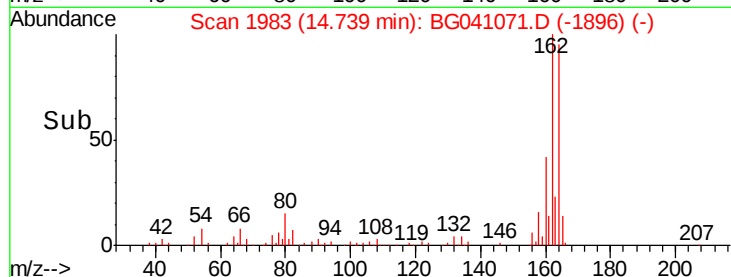
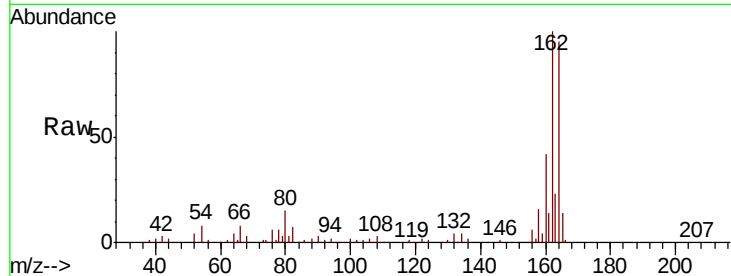
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.0	124.4
160	43.7	35.6	53.4

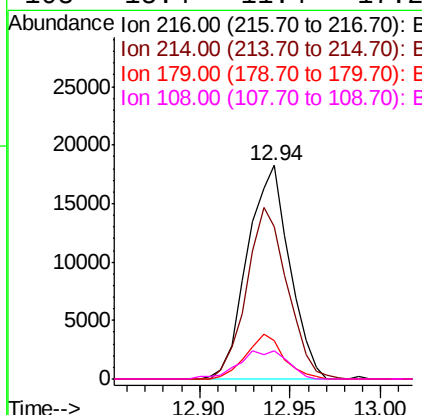
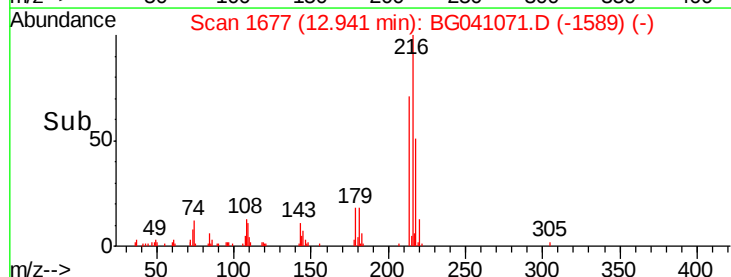
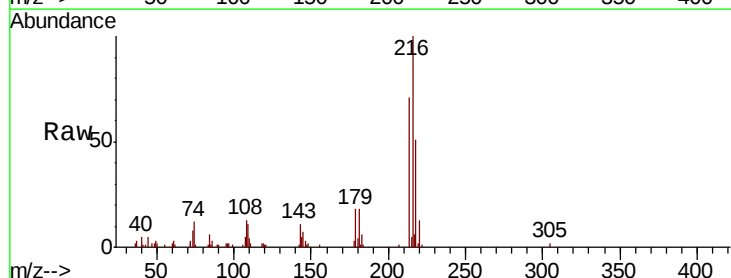
Manual Integrations
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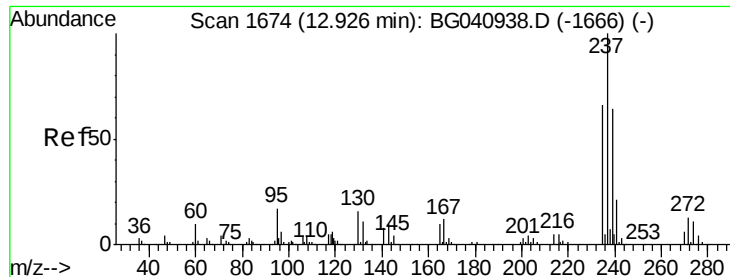
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.759 ng
RT: 12.94 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.4	95.2
179	18.9	15.2	22.8
108	15.4	11.4	17.2





#41

Hexachlorocyclopentadiene

Concen: 13.201 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

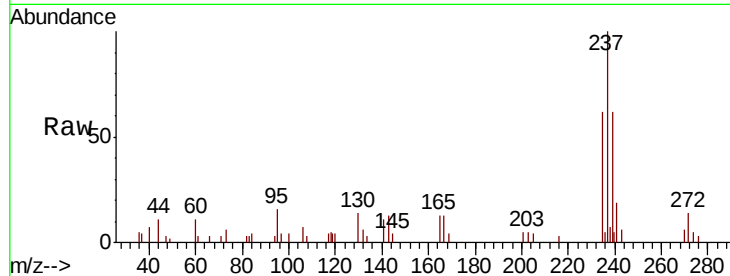
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	237	Resp:	11307
Ion Ratio	Lower	Upper	
237	100		
235	62.1	45.5	85.5
272	13.5	0.0	32.9

Manual Integrations
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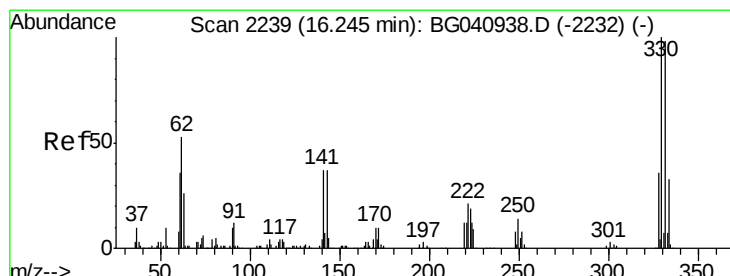
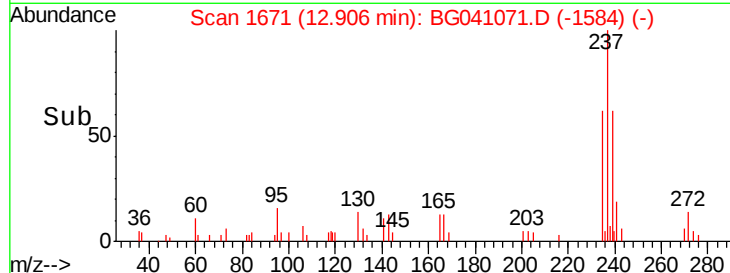
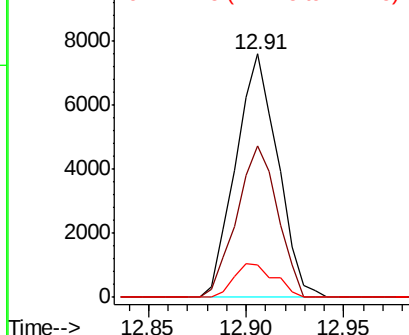


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 123.653 ng

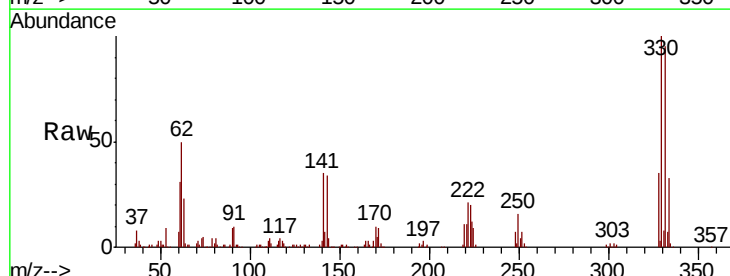
RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	330	Resp:	173082
Ion Ratio	Lower	Upper	
330	100		
332	95.3	78.5	117.7
141	36.9	28.7	43.1

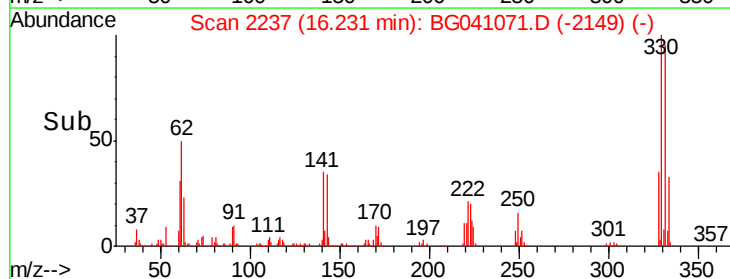
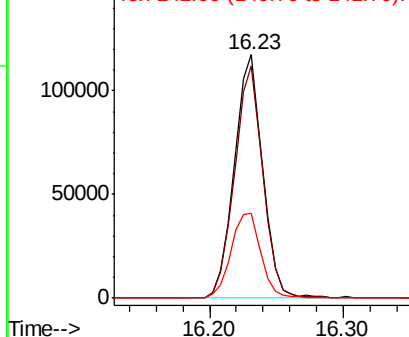


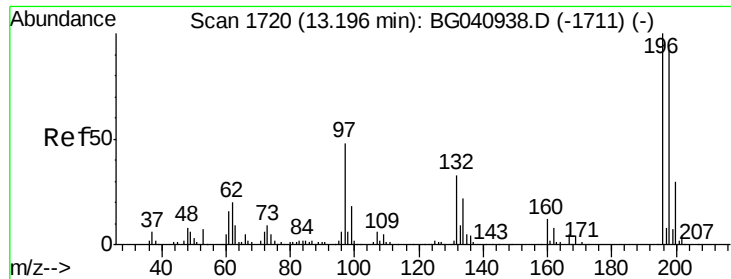
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





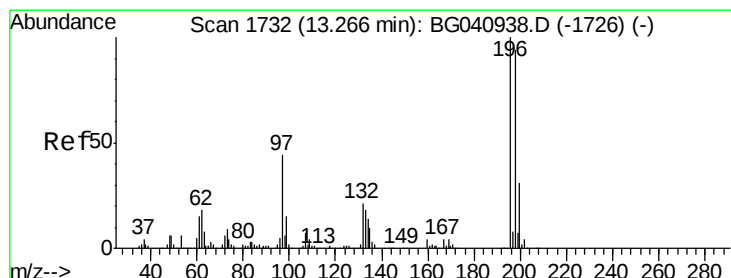
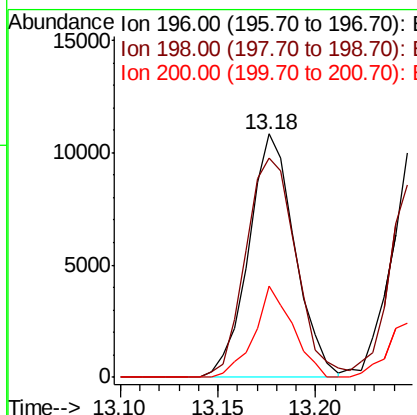
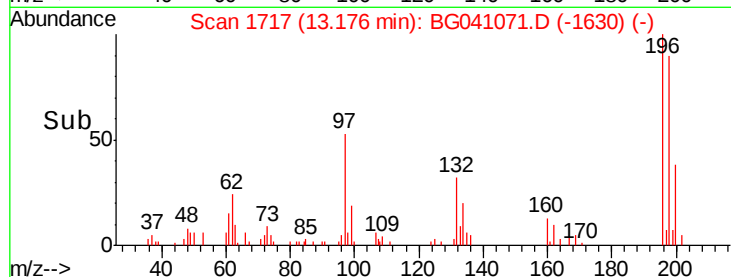
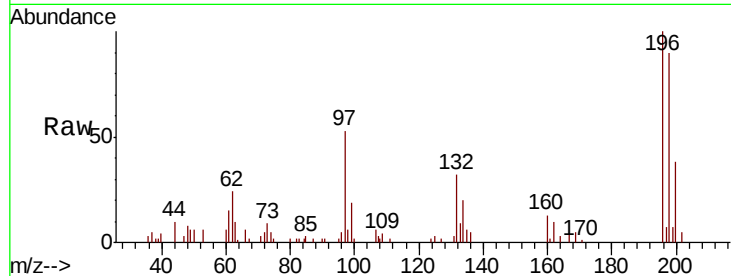
#43
 2,4,6-Trichlorophenol
 Concen: 7.200 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	17700		
198	90.2	73.8	110.6	
200	37.6	24.1	36.1#	

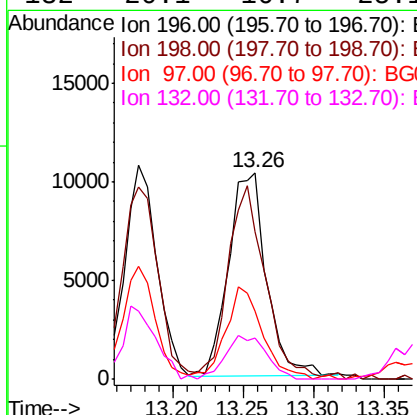
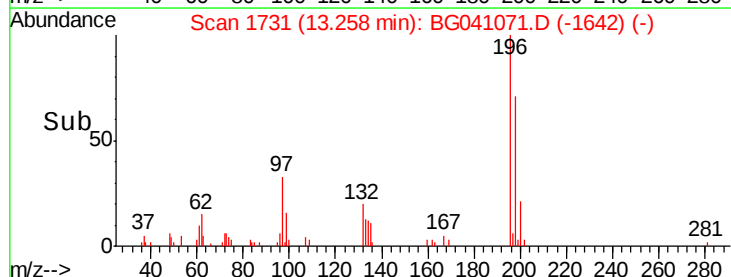
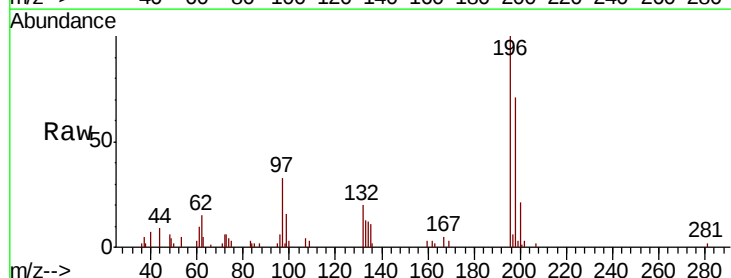
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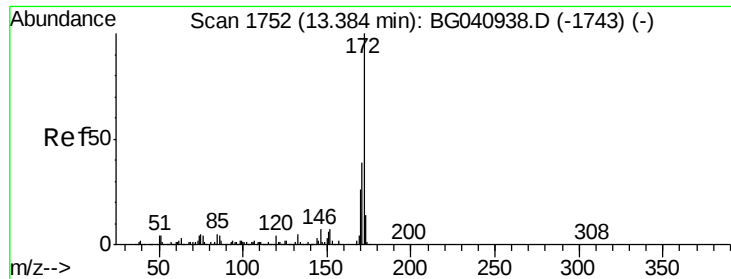
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 7.459 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	19340		
198	71.0	75.1	112.7#	
97	33.1	35.6	53.4#	
132	20.1	16.7	25.1	





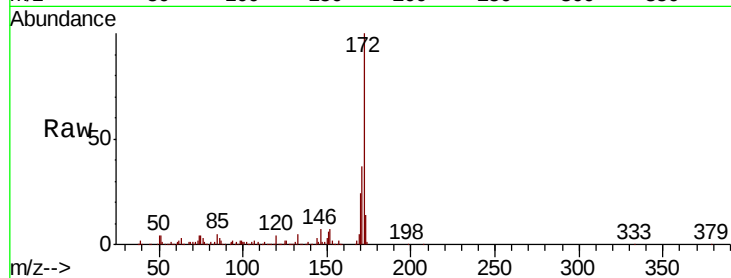
#45
2-Fluorobiphenyl
Concen: 80.155 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.1	46.7
170	24.4	20.5	30.7

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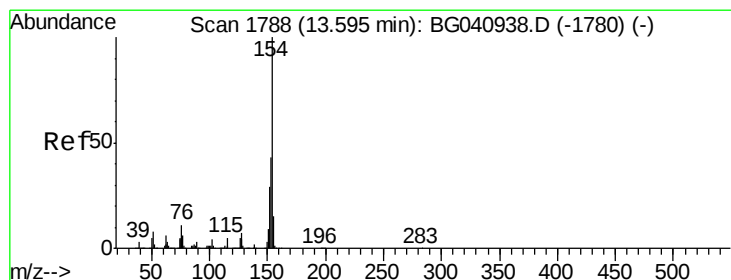
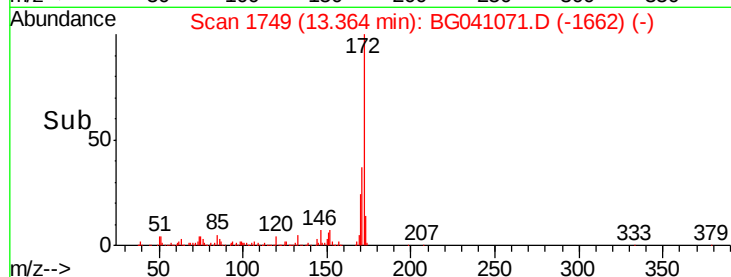
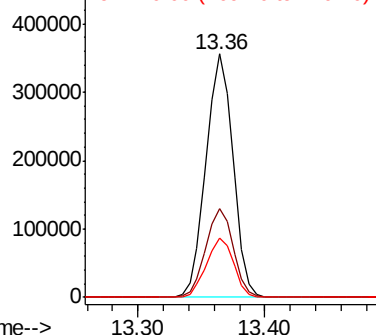


Abundance

Ion 172.00 (171.70 to 172.70): E

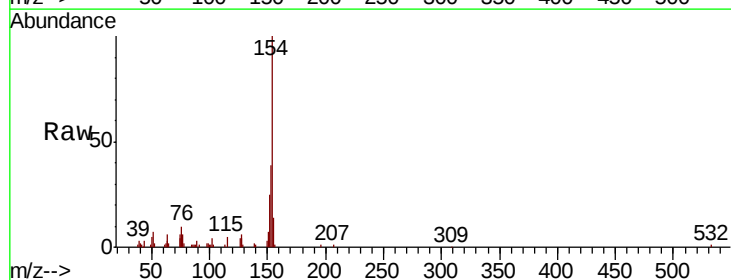
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 7.816 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	23.3	63.3
76	10.4	0.0	31.1

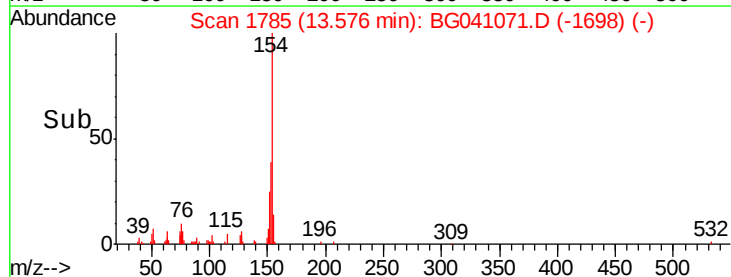
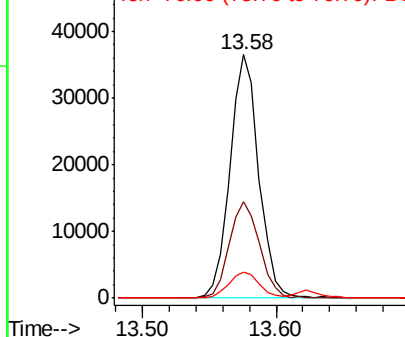


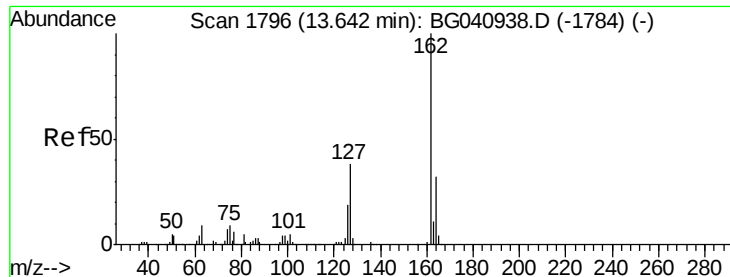
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





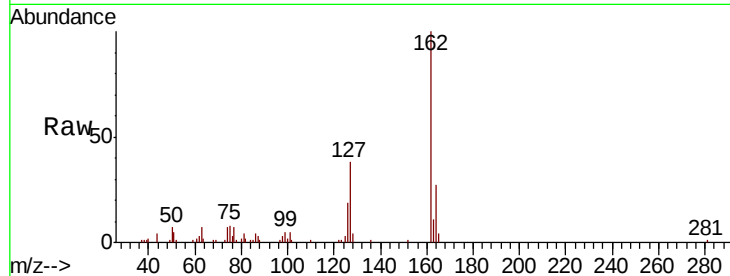
#47
 2-Chloronaphthalene
 Concen: 7.369 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

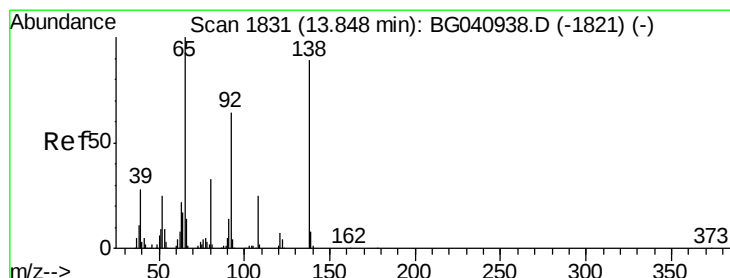
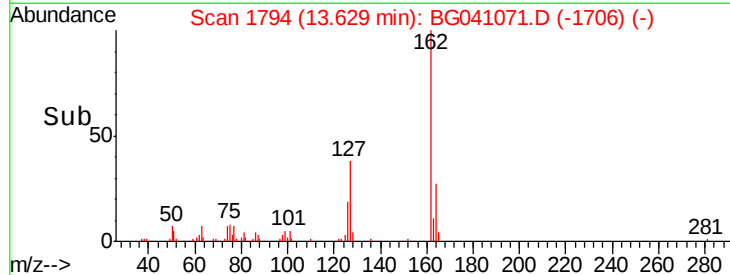
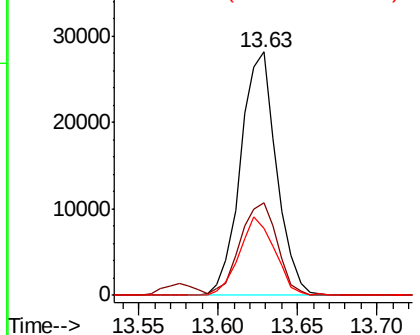
Tot Ion:	162	Resp:	44151
Ion Ratio	Lower	Upper	
162	100		
127	38.1	30.5	45.7
164	27.4	25.8	38.6

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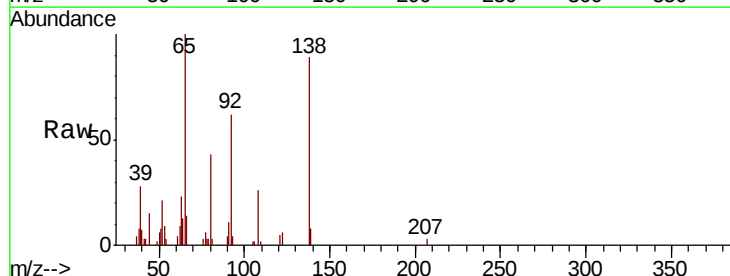


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

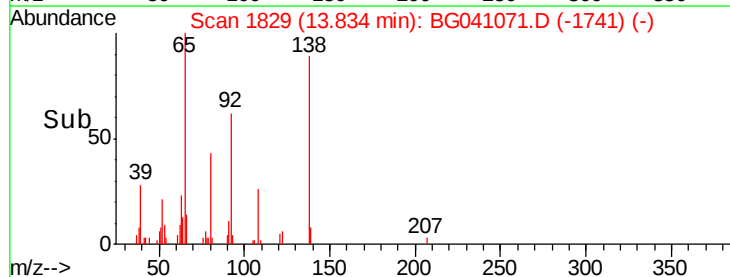
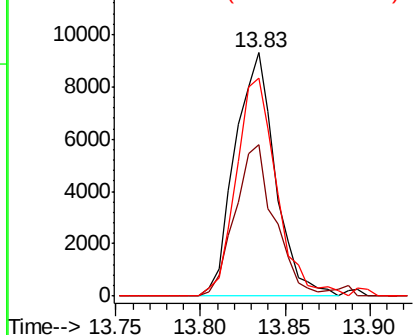


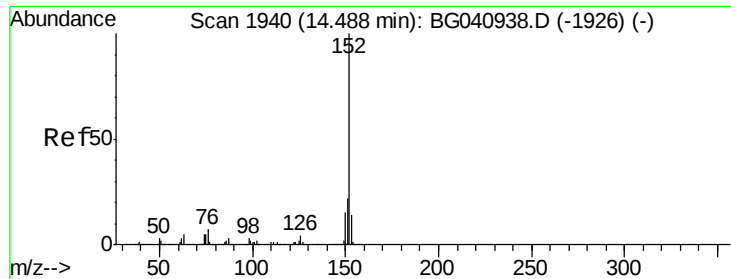
#48
 2-Nitroaniline
 Concen: 7.195 ng
 RT: 13.83 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BG041071.D
 Acq: 5 Jun 2019 14:23

Tgt Ion:	65	Resp:	15465
Ion Ratio	Lower	Upper	
65	100		
92	62.4	51.0	76.6
138	89.3	71.2	106.8



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.937 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

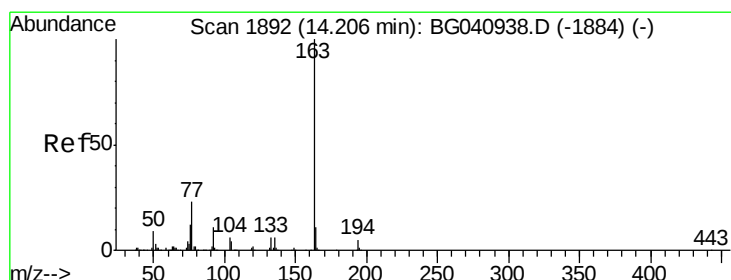
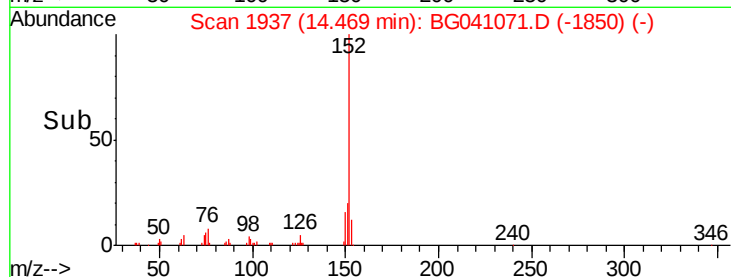
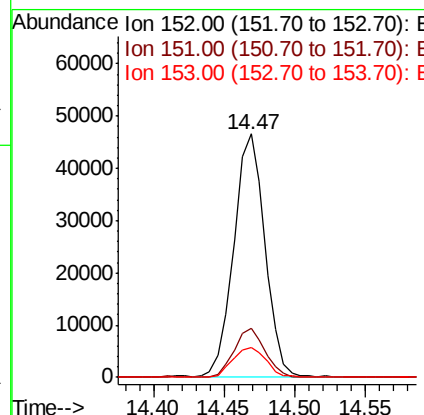
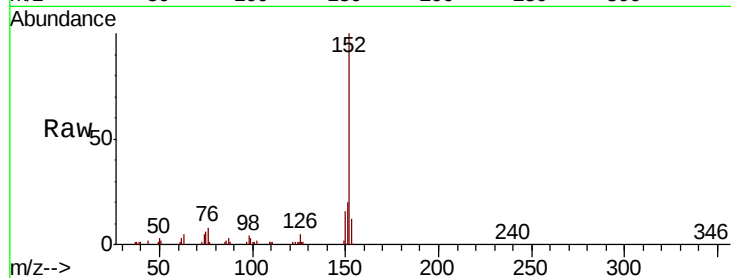
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	152	Resp:	71575
Ion Ratio	Lower	Upper	
152	100		
151	20.2	17.4	26.0
153	12.5	11.0	16.4

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#50

Dimethylphthalate

Concen: 7.179 ng

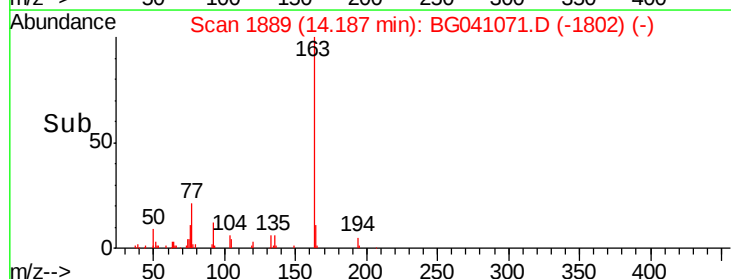
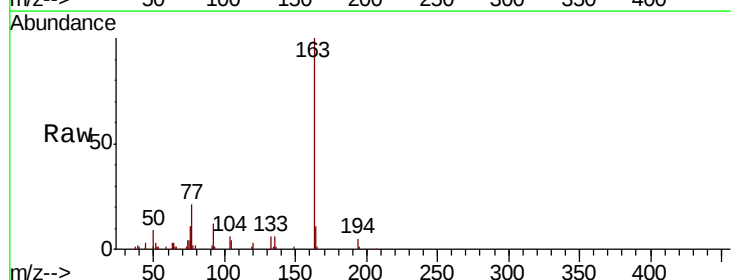
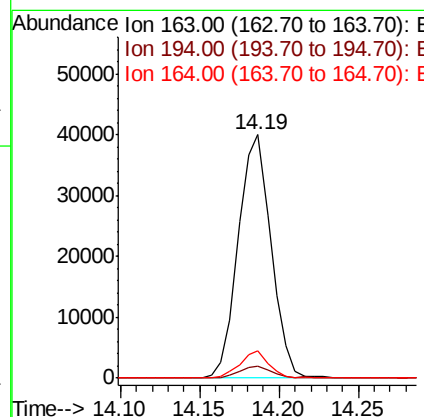
RT: 14.19 min Scan# 1889

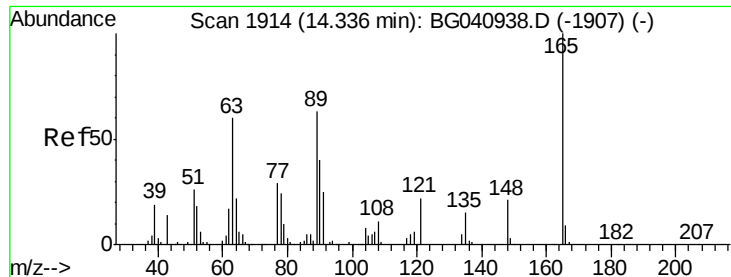
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	163	Resp:	57302
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.8	5.8
164	11.0	8.7	13.1





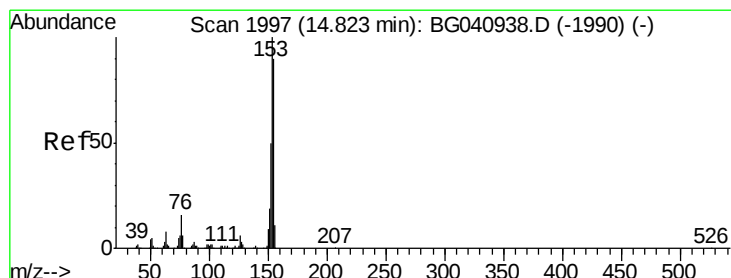
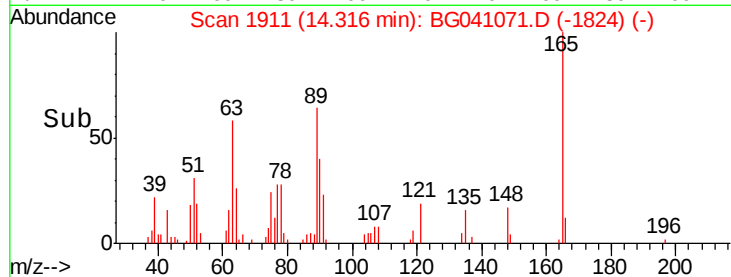
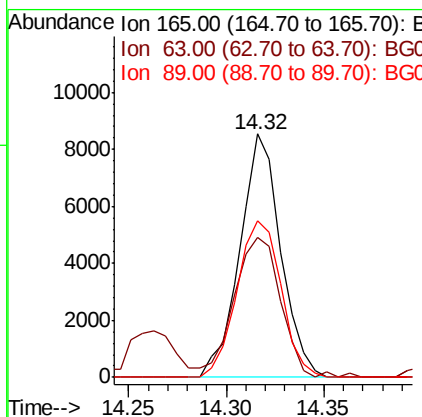
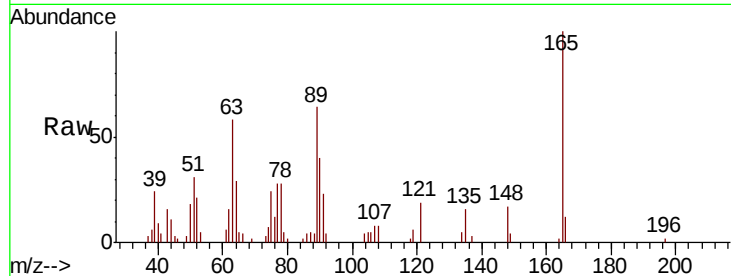
#51
2,6-Dinitrotoluene
Concen: 7.182 ng
RT: 14.32 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	12359		
63	57.5	53.6	80.4	
89	64.1	50.4	75.6	

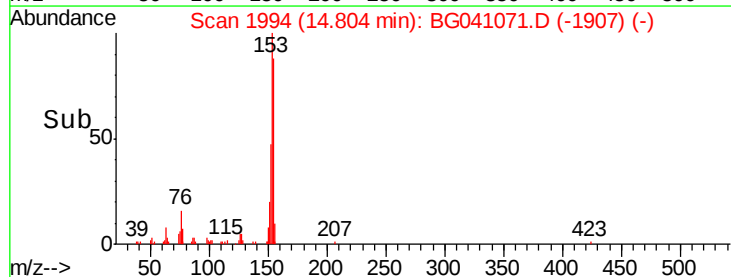
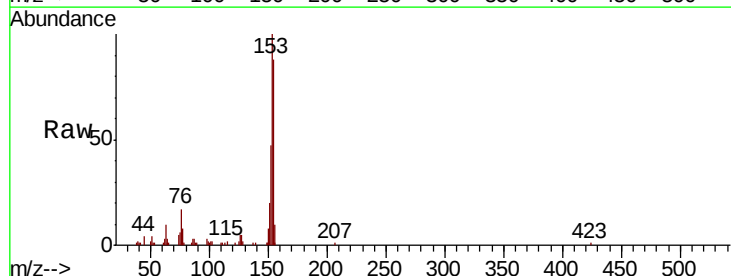
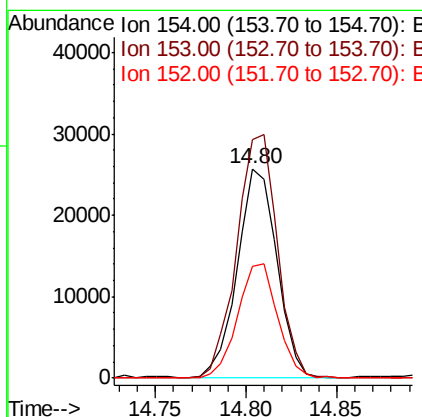
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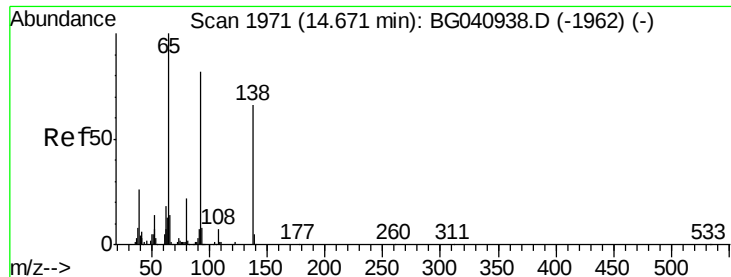
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#52
Acenaphthene
Concen: 7.170 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	39167		
153	113.7	88.6	133.0	
152	53.0	44.2	66.4	





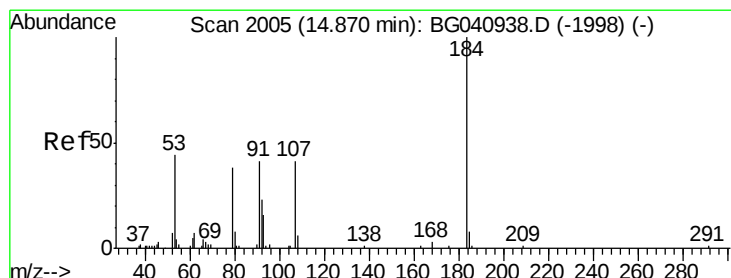
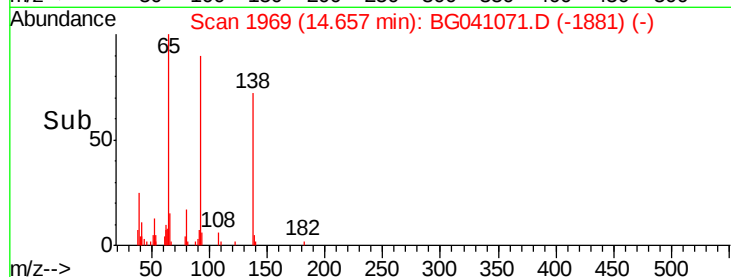
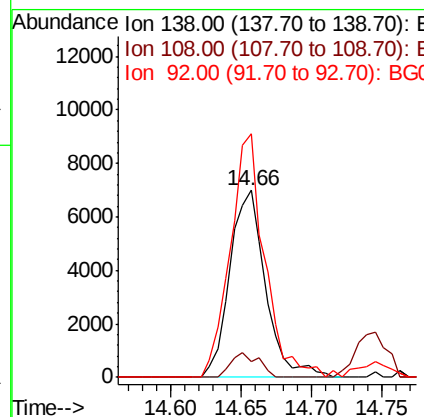
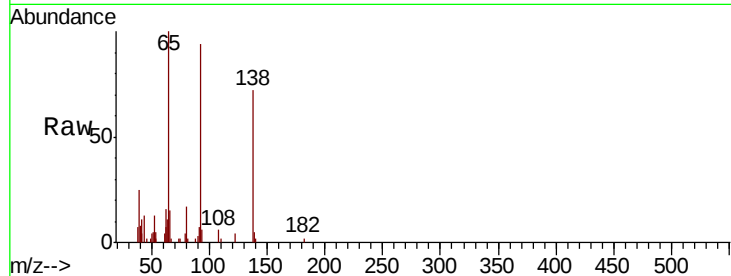
#53
3-Nitroaniline
Concen: 7.151 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	8.2	8.5	12.7#
92	130.2	99.0	148.6

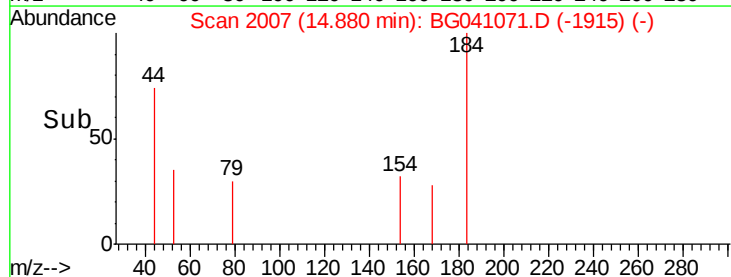
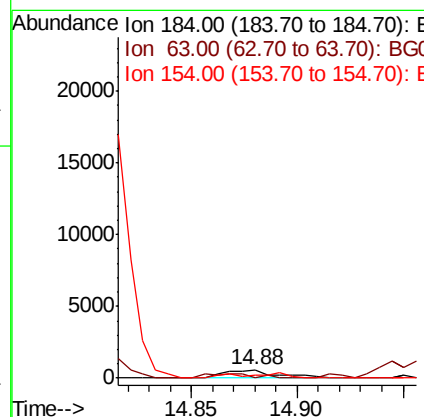
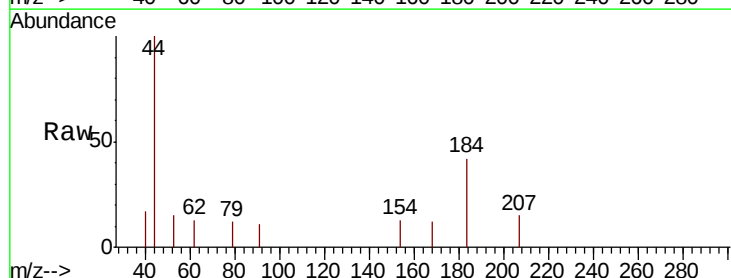
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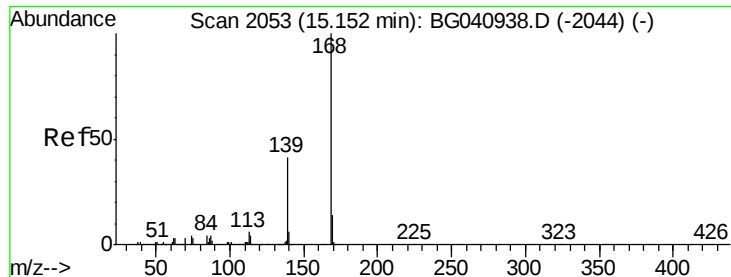
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#54
2,4-Dinitrophenol
Concen: 9.632 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	32.3	52.2	78.4#





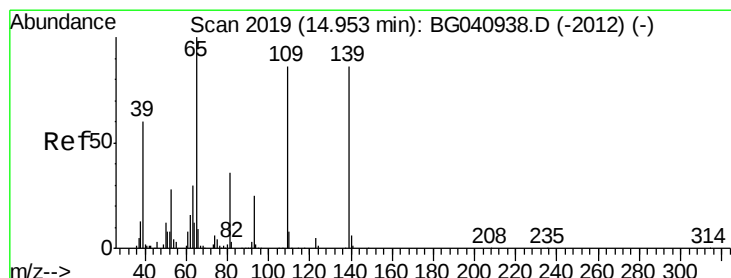
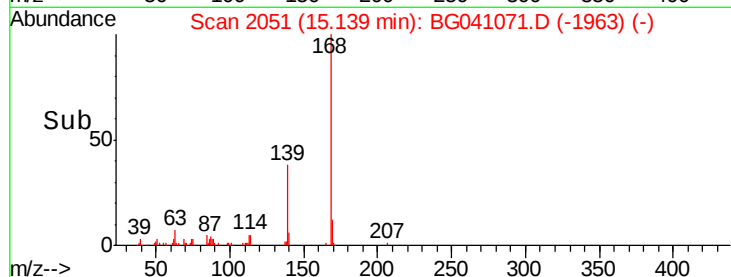
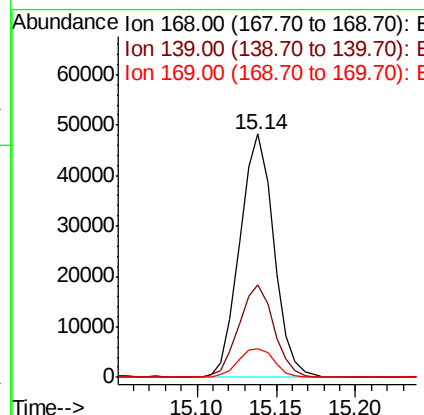
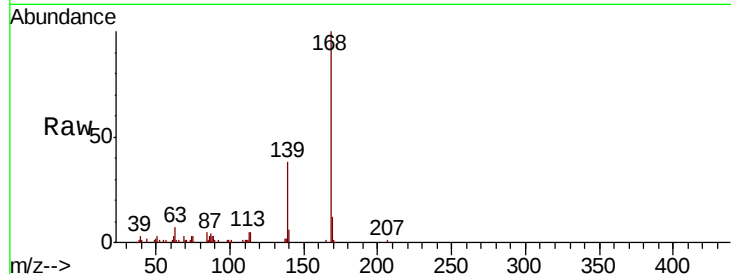
#55
Dibenzenofuran
Concen: 7.829 ng
RT: 15.14 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	32.8	49.2
169	11.8	11.3	16.9

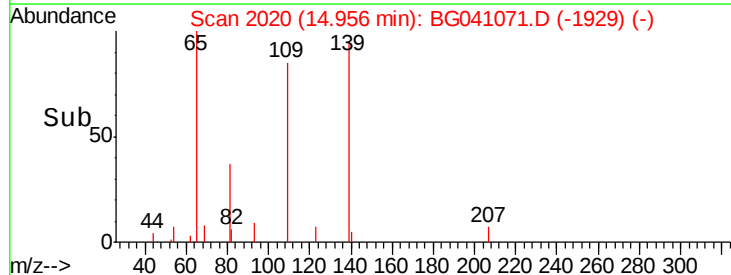
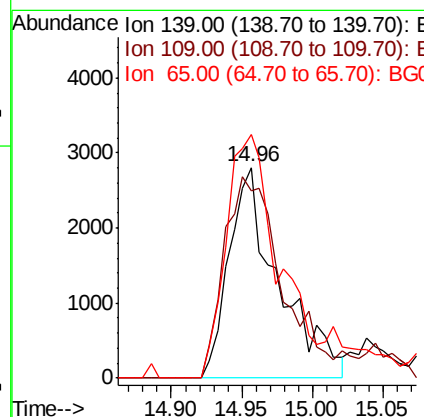
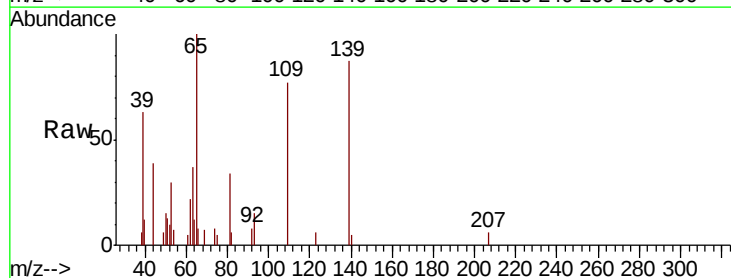
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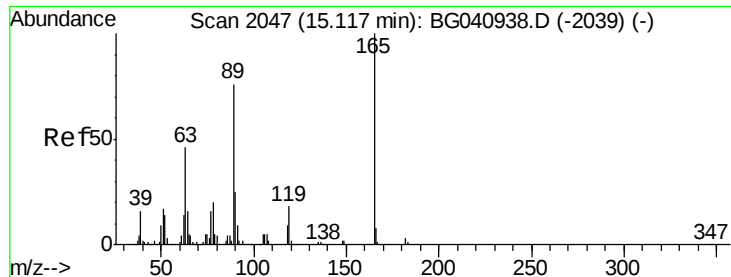
mohammad
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#56
4-Nitrophenol
Concen: 5.816 ng
RT: 14.96 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	88.8	79.6	119.6
65	115.4	96.9	136.9





#57

2,4-Dinitrotoluene

Concen: 7.290 ng

RT: 15.10 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

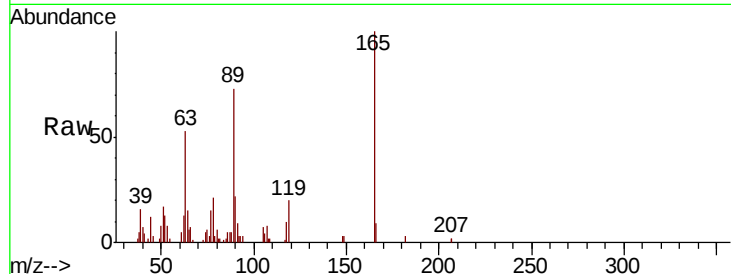
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	165	Resp:	17721
Ion Ratio	Lower	Upper	
165	100		
63	53.0	37.3	55.9
89	72.9	61.0	91.6
182	2.6	2.2	3.2

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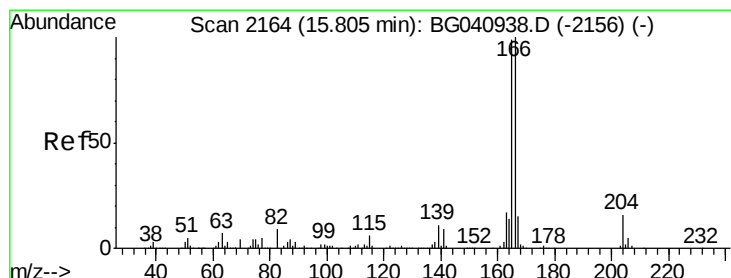
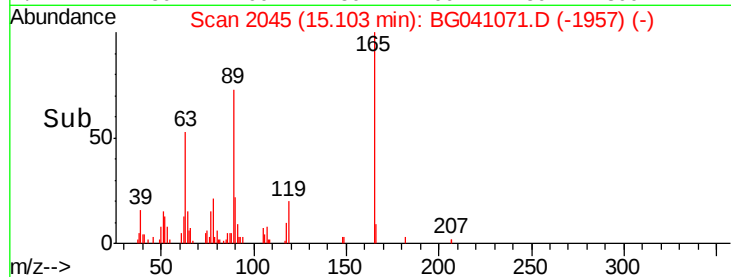
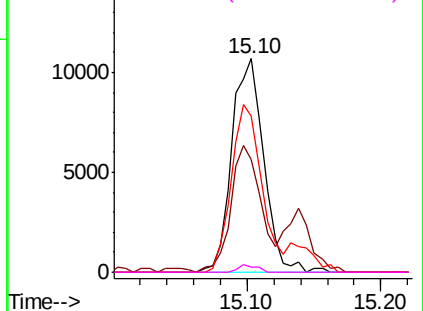


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 7.643 ng

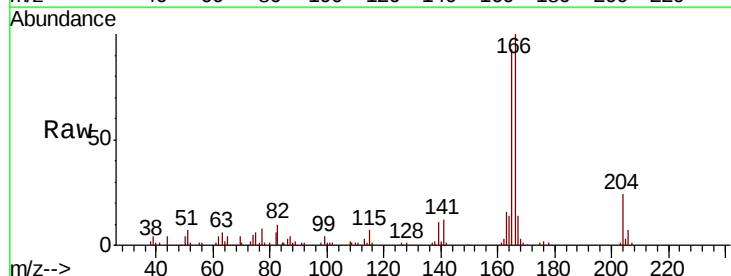
RT: 15.78 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

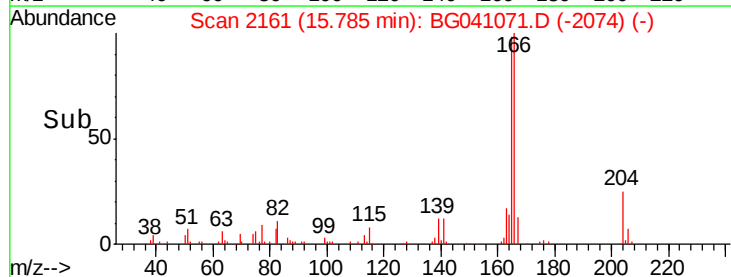
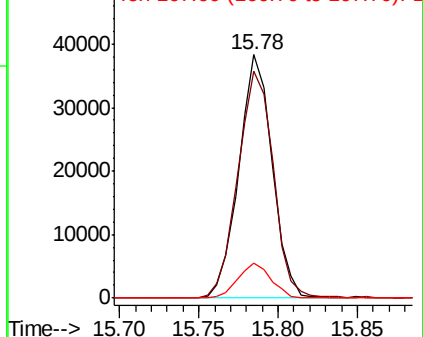
Tgt Ion:	166	Resp:	55953
Ion Ratio	Lower	Upper	
166	100		
165	93.2	79.2	118.8
167	14.1	11.8	17.6

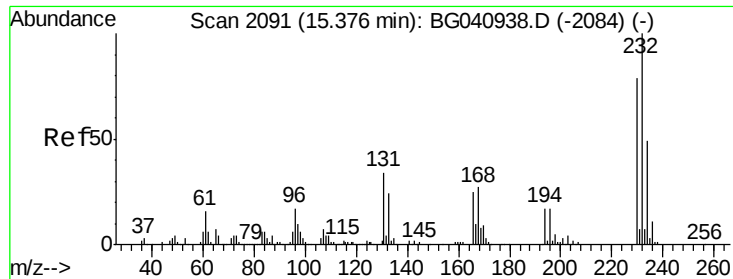


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.569 ng

RT: 15.36 min Scan# 2088

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

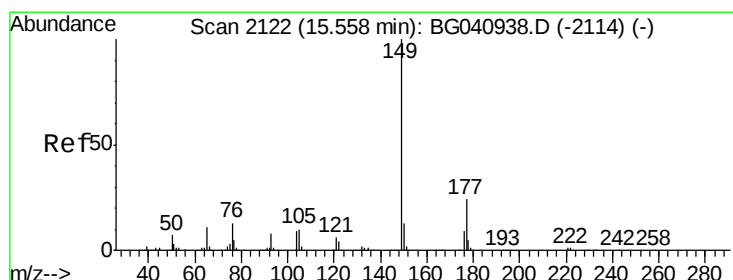
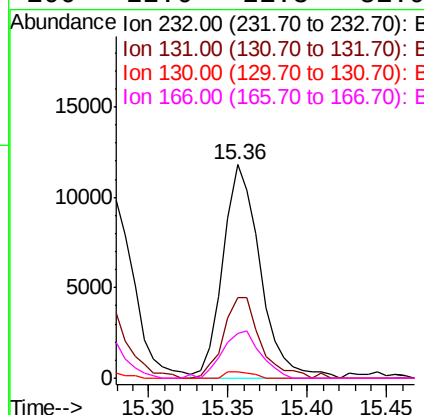
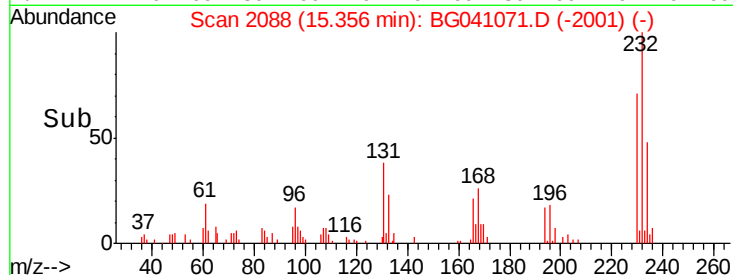
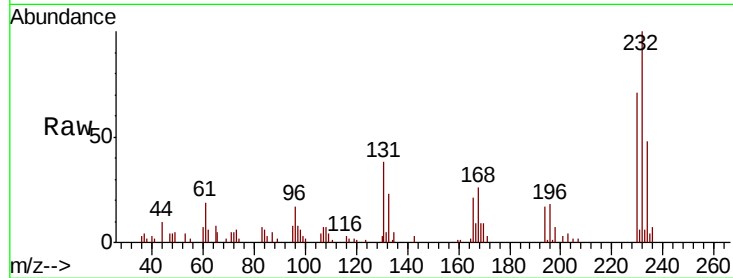
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		19286		
131	37.6	30.3	45.5		
130	2.2	1.8	2.8		
166	22.6	21.3	31.9		

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#60

Diethylphthalate

Concen: 7.230 ng

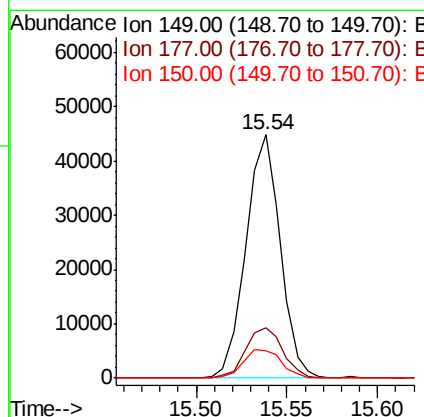
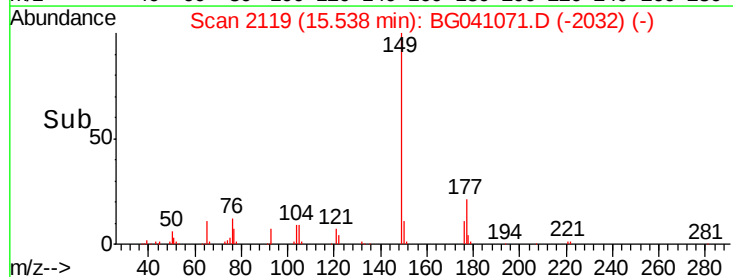
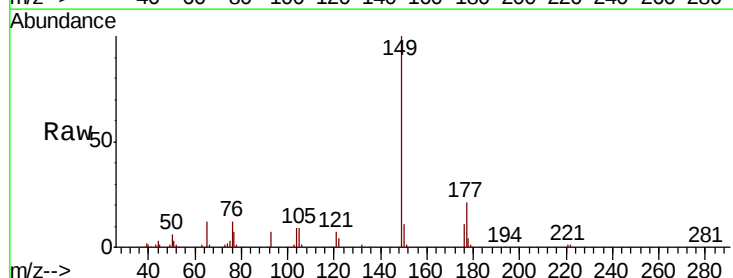
RT: 15.54 min Scan# 2119

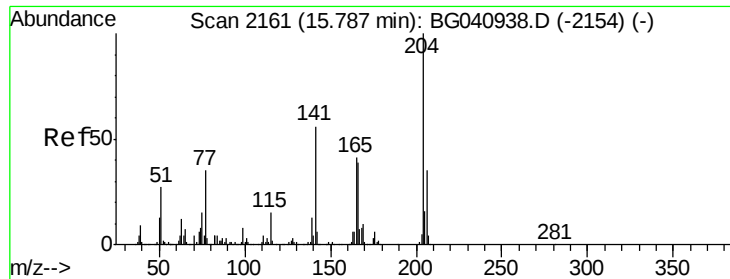
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		58886		
177	20.8	19.4	29.0		
150	11.0	10.3	15.5		





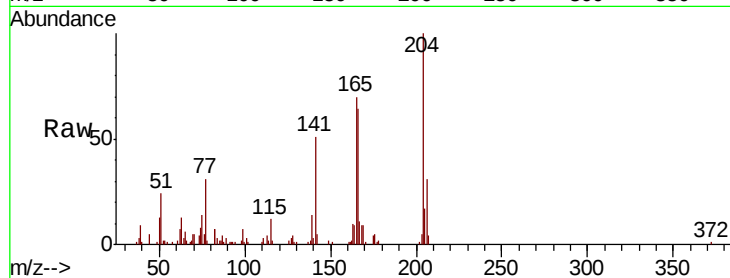
#61
4-Chlorophenyl-phenylether
Concen: 7.226 ng
RT: 15.77 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	30.7	27.6	41.4
141	50.9	45.1	67.7

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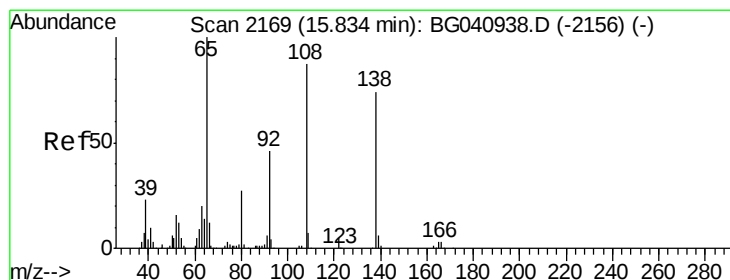
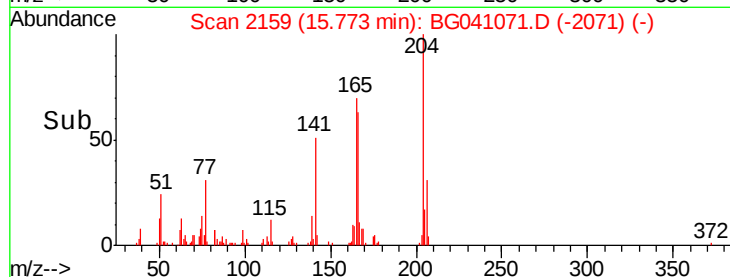
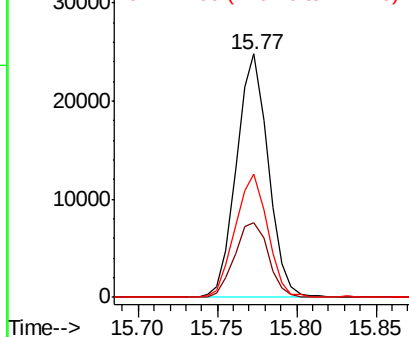


Abundance

Ion 204.00 (203.70 to 204.70): E

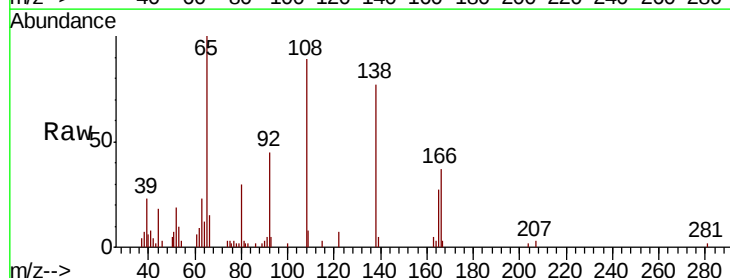
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 7.264 ng
RT: 15.81 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.2	42.4	82.4
108	116.7	96.9	136.9

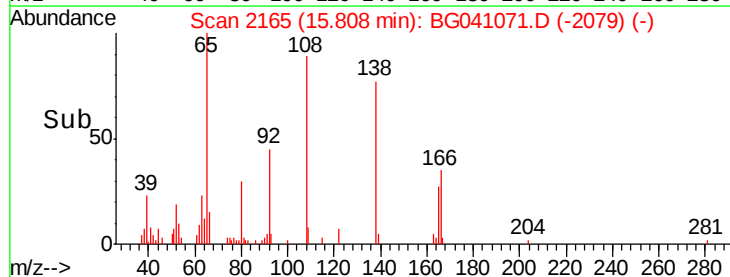
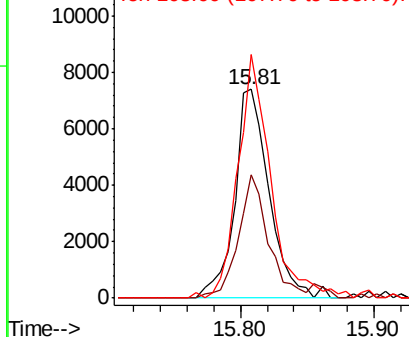


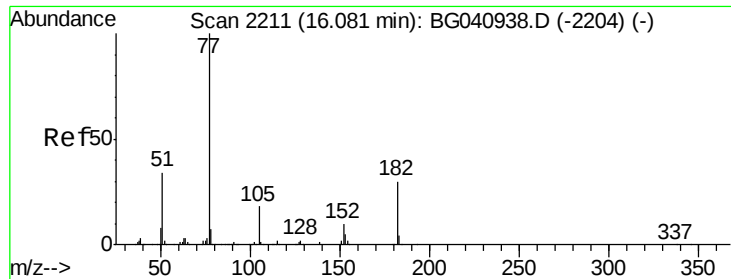
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





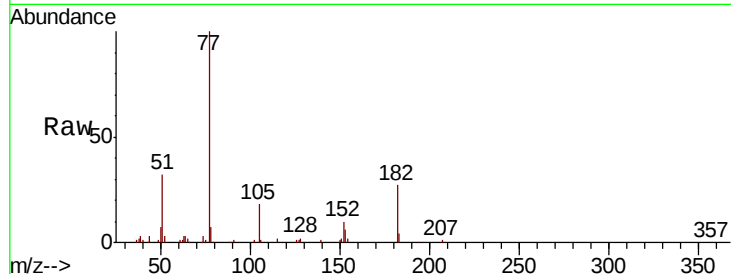
#63
Azobenzene
Concen: 7.590 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	26.5	9.6	49.6		
105	18.2	0.0	37.5		
51	31.6	13.7	53.7		

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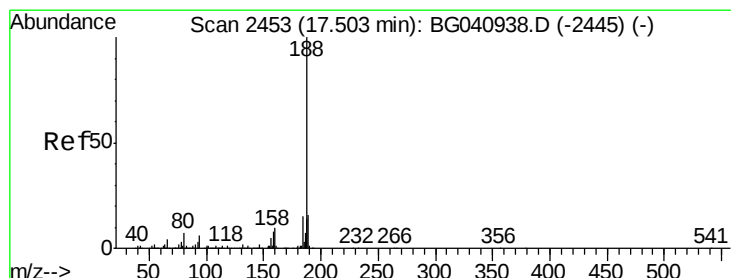
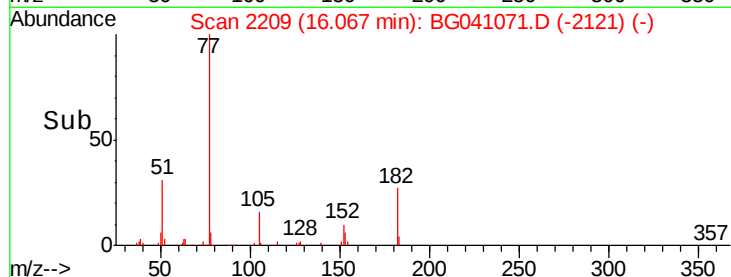
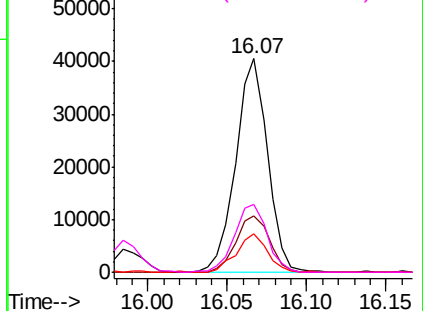
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

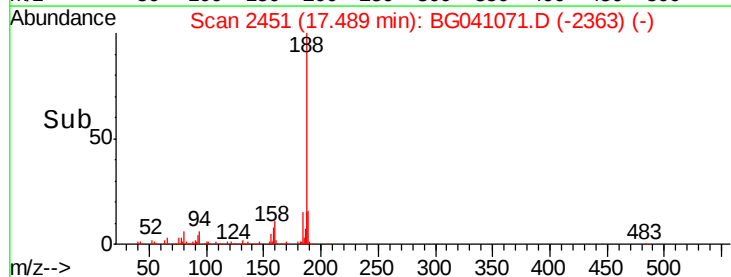
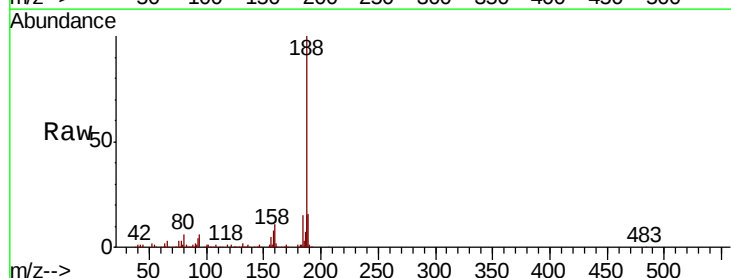
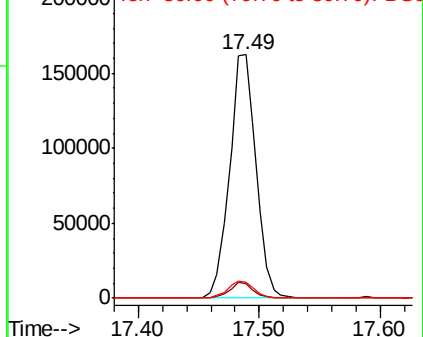
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	5.9	4.7	7.1		
80	6.3	5.8	8.8		

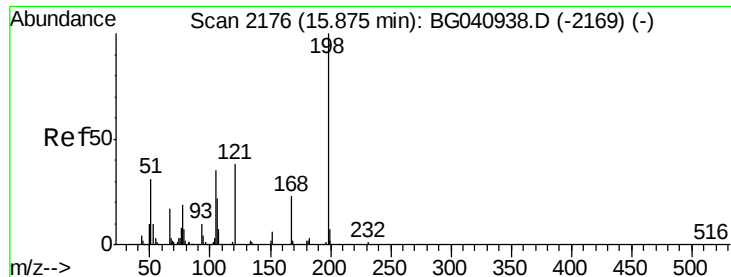
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 12.180 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

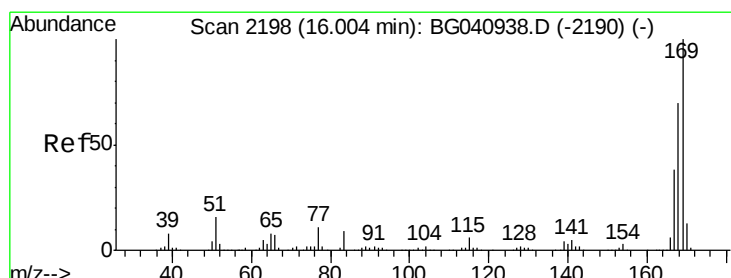
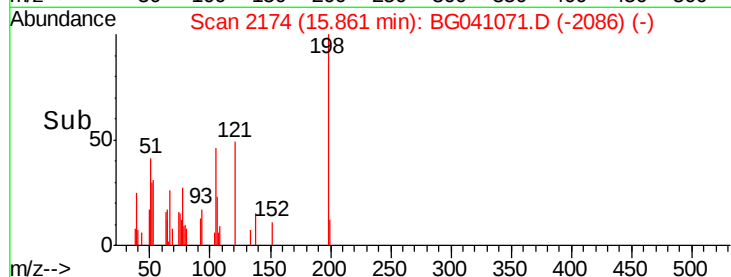
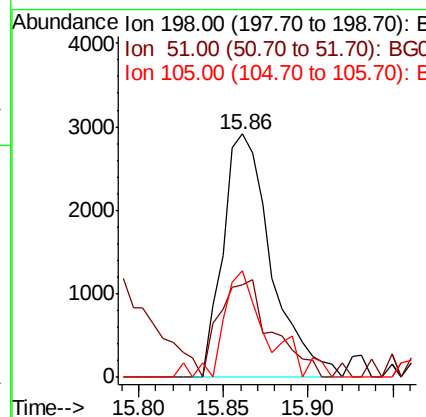
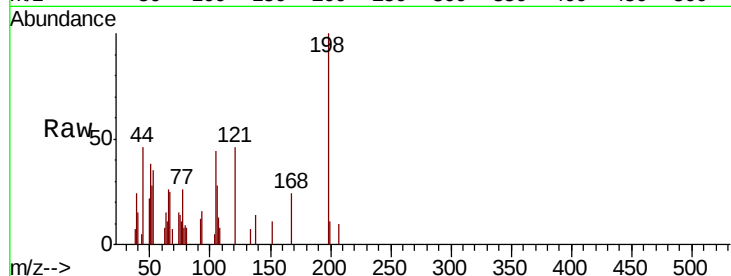
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	198	Resp:	5783
Ion Ratio	Lower	Upper	
198	100		
51	38.2	21.6	61.6
105	43.6	17.5	57.5

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#66

n-Nitrosodiphenylamine

Concen: 7.253 ng

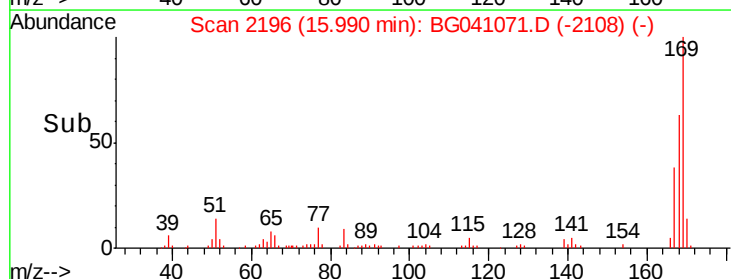
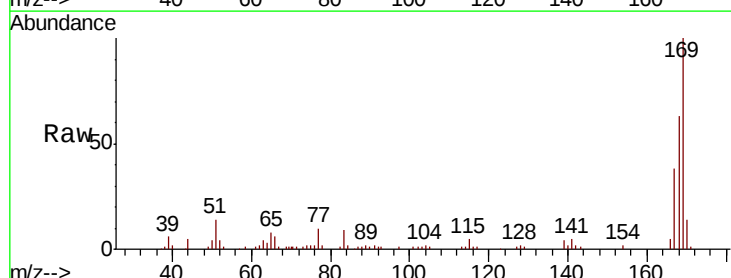
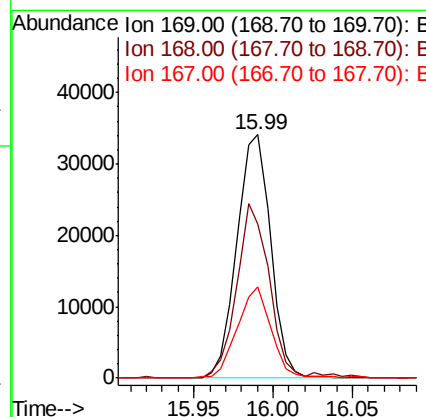
RT: 15.99 min Scan# 2196

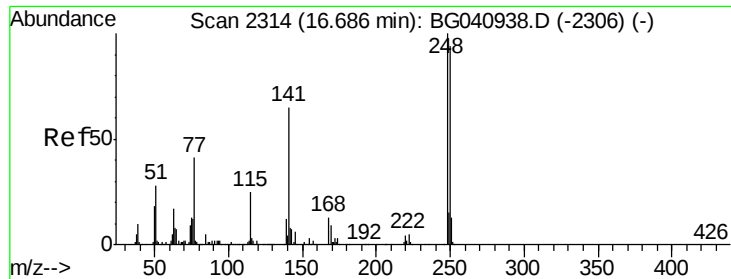
Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	169	Resp:	50322
Ion Ratio	Lower	Upper	
169	100		
168	63.3	55.7	83.5
167	37.5	30.2	45.2





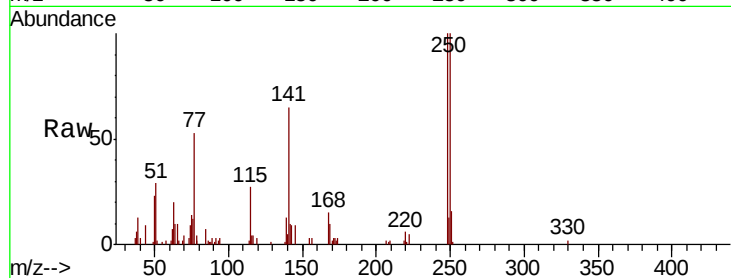
#67
4-Bromophenyl-phenylether
Concen: 6.685 ng
RT: 16.67 min Scan# 2311
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.8	75.0	112.4
141	65.1	52.4	78.6

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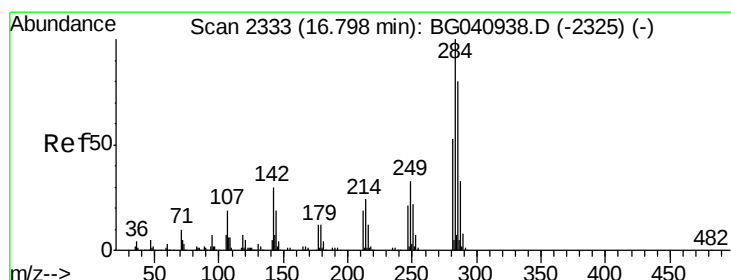
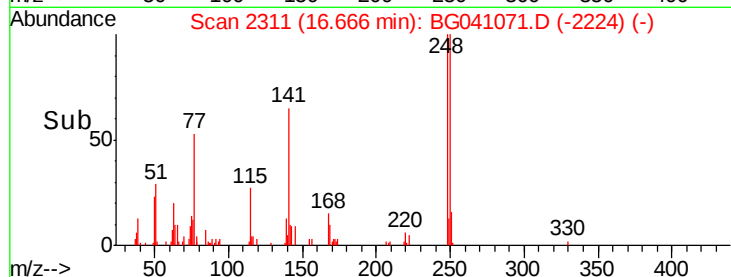
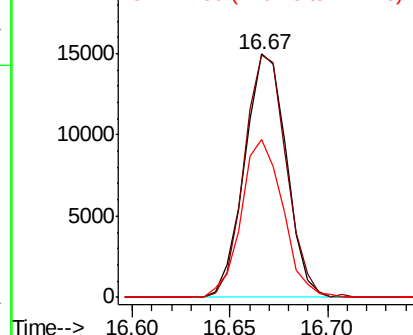


Abundance

Ion 248.00 (247.70 to 248.70): E

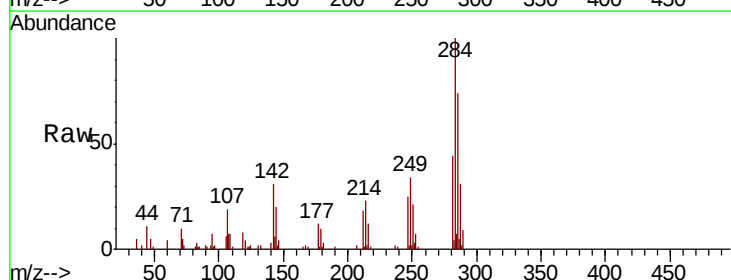
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 6.533 ng
RT: 16.78 min Scan# 2330
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.7	23.9	35.9
249	33.6	26.8	40.2

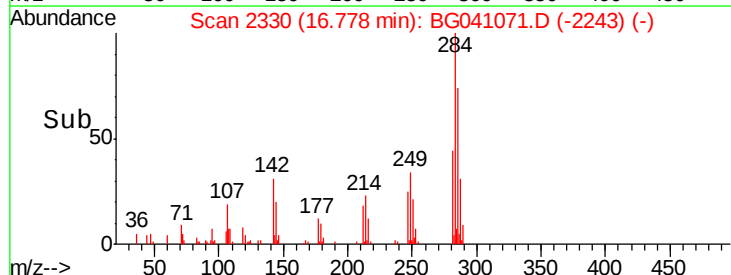
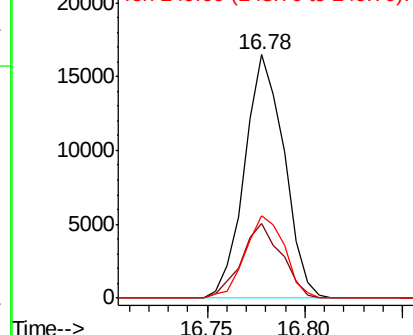


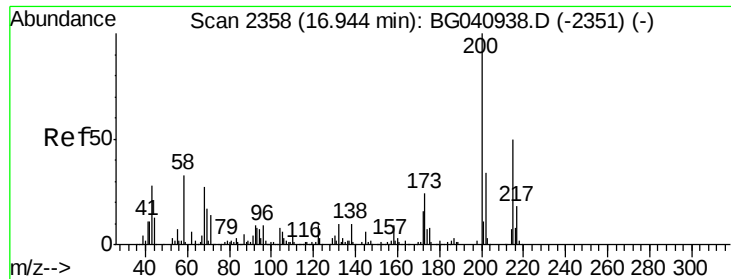
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





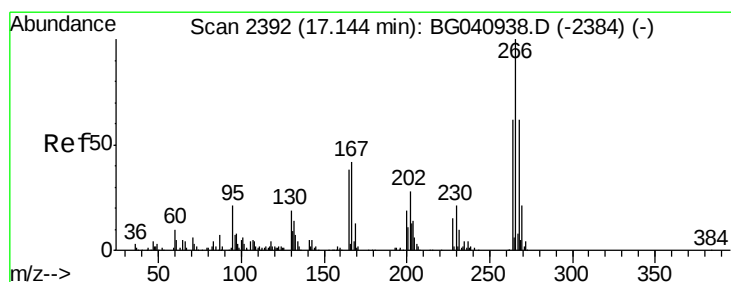
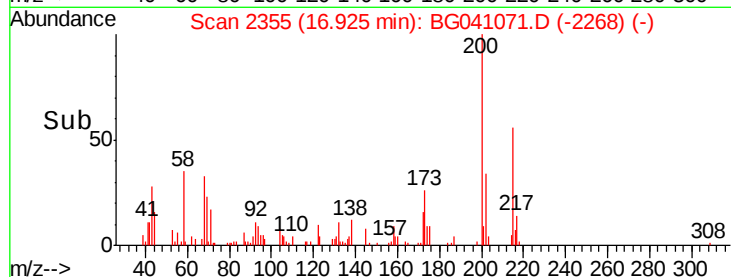
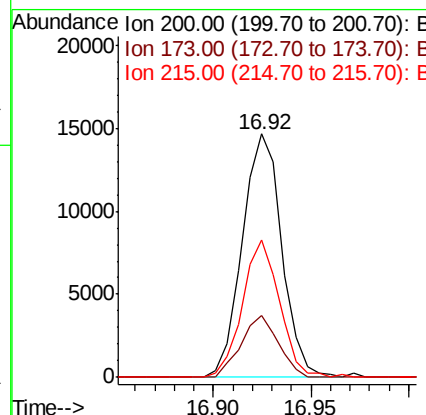
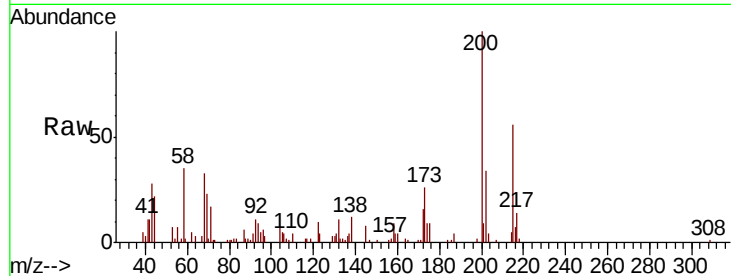
#69
Atrazine
Concen: 7.657 ng
RT: 16.92 min Scan# 2355
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.5	3.6	43.6
215	56.5	29.6	69.6

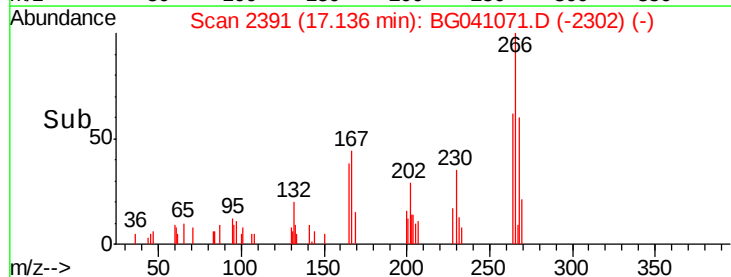
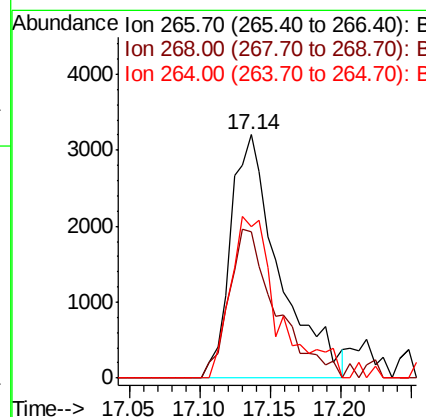
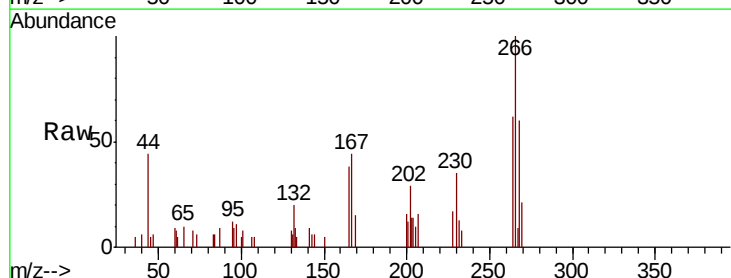
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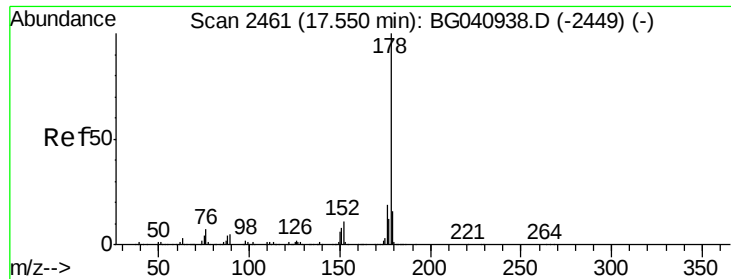
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#70
Pentachlorophenol
Concen: 8.083 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.0	53.1	79.7
264	62.4	49.9	74.9





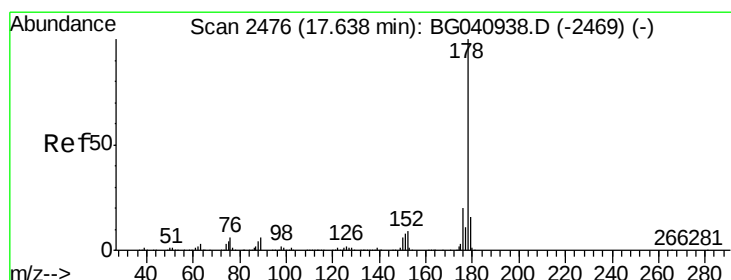
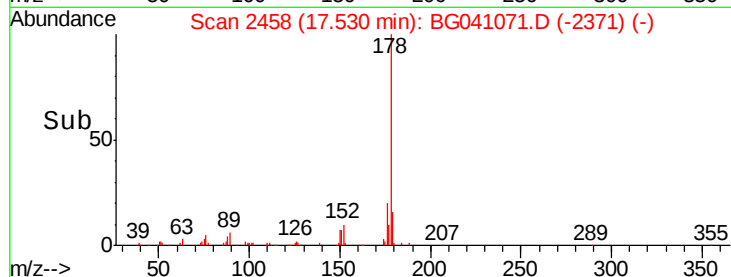
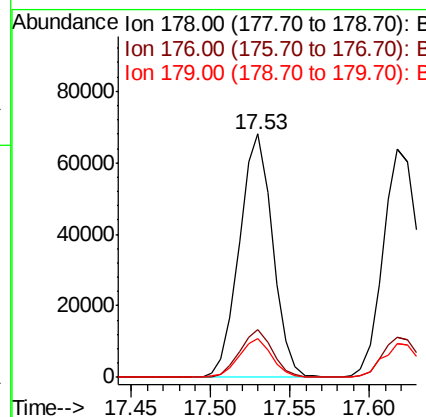
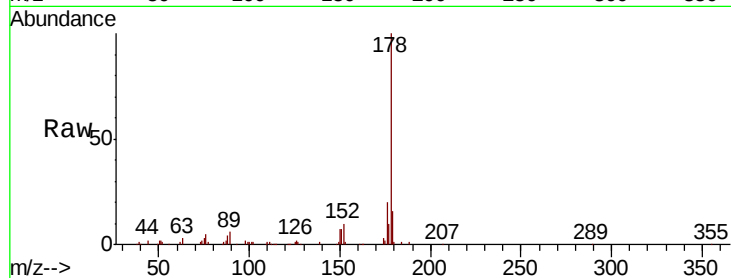
#71
Phenanthrene
Concen: 7.709 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	16.1	12.7	19.1

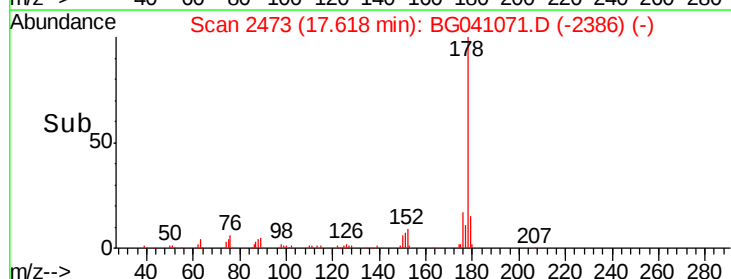
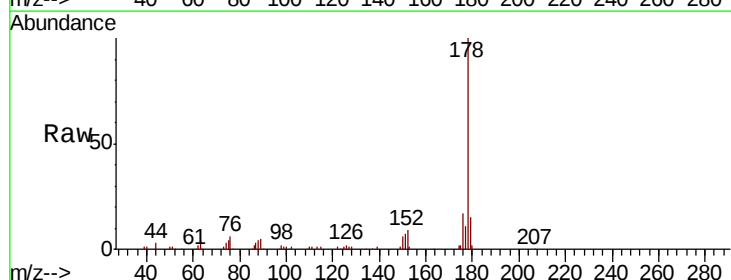
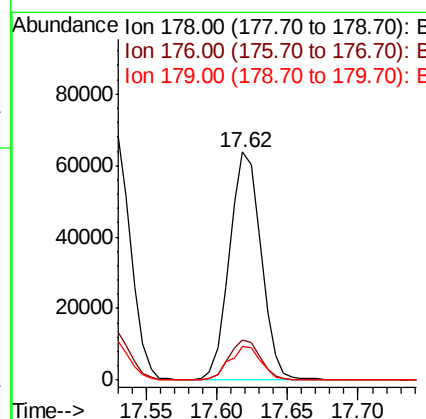
Manual Integrations
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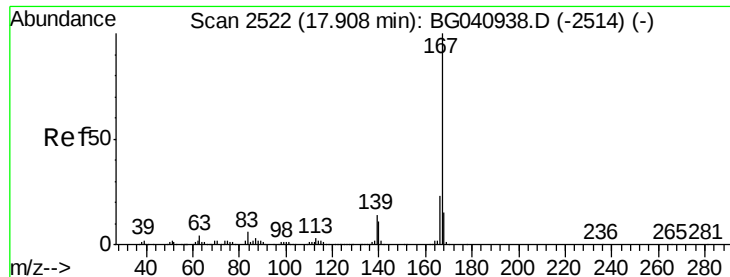
mohammad
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#72
Anthracene
Concen: 7.862 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	14.8	13.0	19.4





#73

Carbazole

Concen: 8.086 ng

RT: 17.89 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

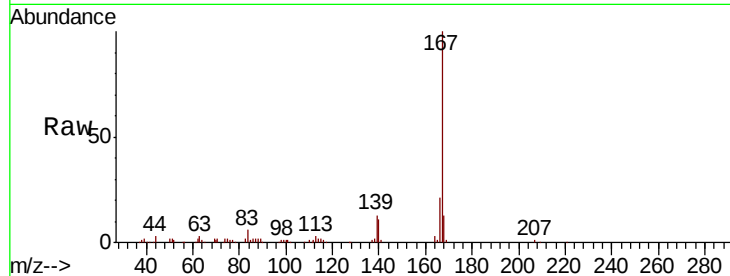
ClientSampleId :

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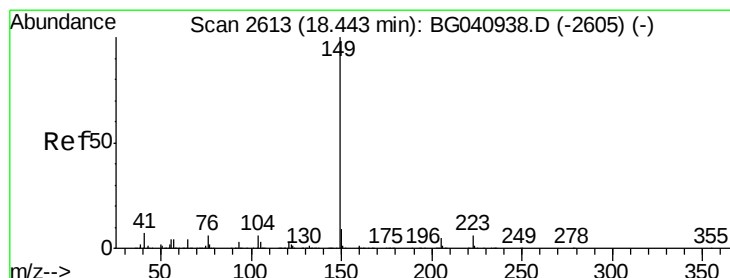
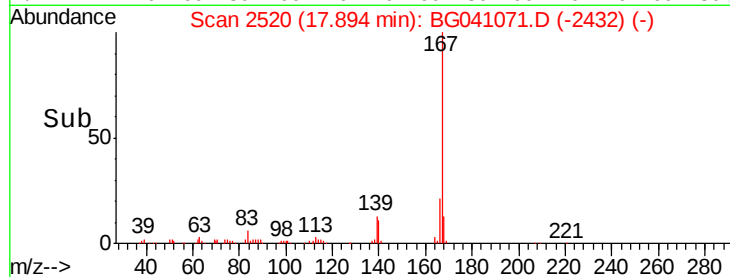
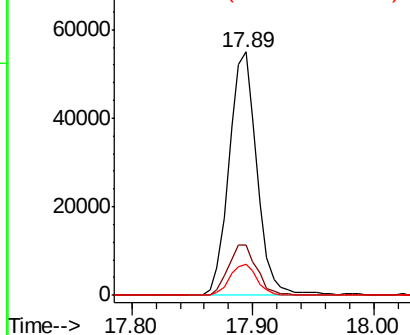
Tot Ion:	167	Resp:	87973
Ion Ratio	Lower	Upper	
167	100		
166	20.8	18.2	27.4
139	13.0	10.8	16.2

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 7.326 ng

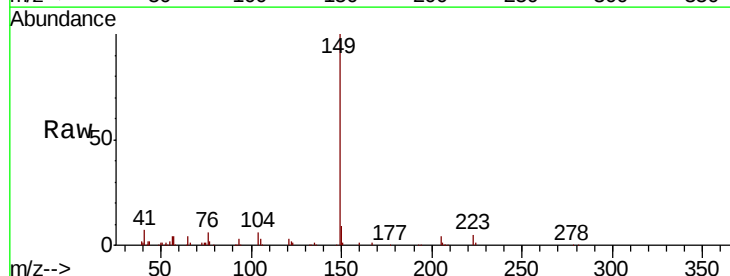
RT: 18.42 min Scan# 2610

Delta R.T. -0.02 min

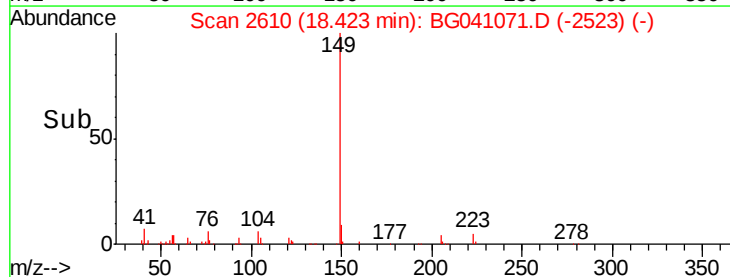
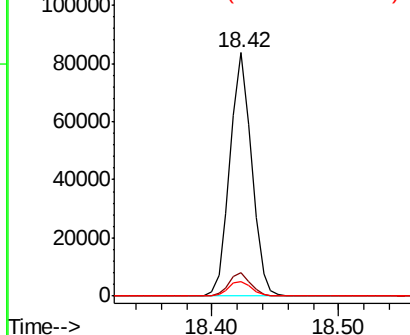
Lab File: BG041071.D

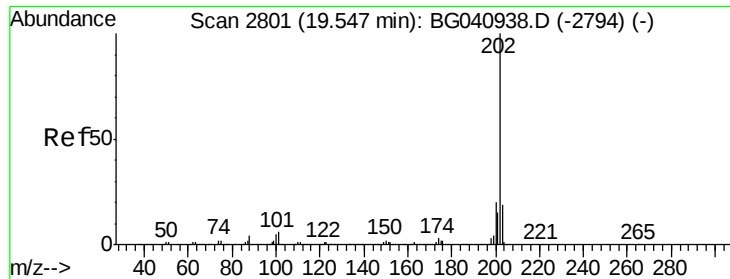
Acq: 5 Jun 2019 14:23

Tgt Ion:	149	Resp:	99059
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.4	11.2
104	6.1	5.0	7.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.521 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

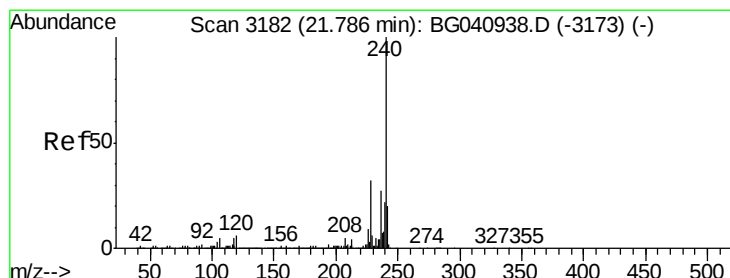
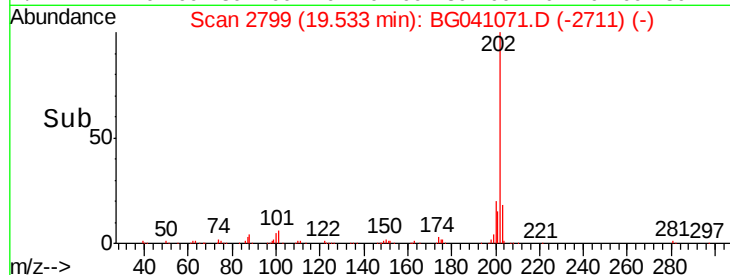
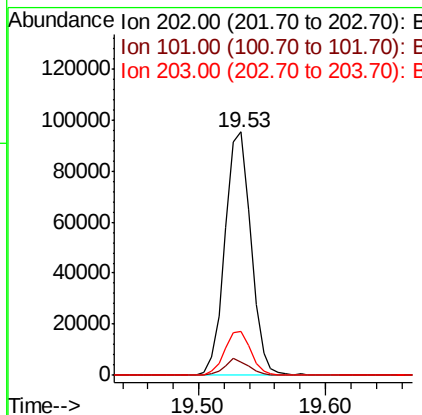
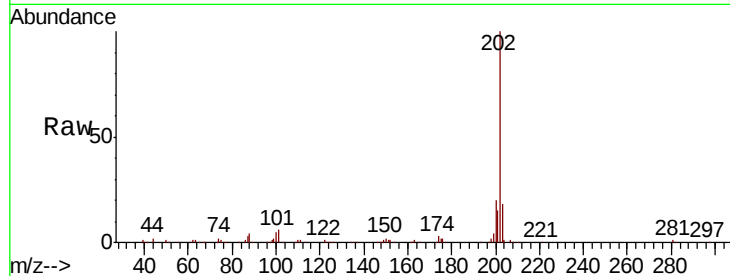
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	202	Resp:	135303
Ion Ratio	Lower	Upper	
202	100		
101	5.6	0.0	26.2
203	17.9	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

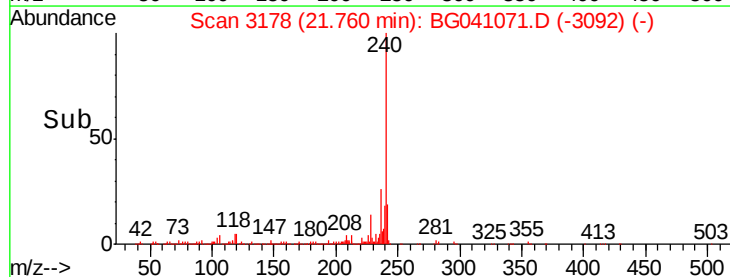
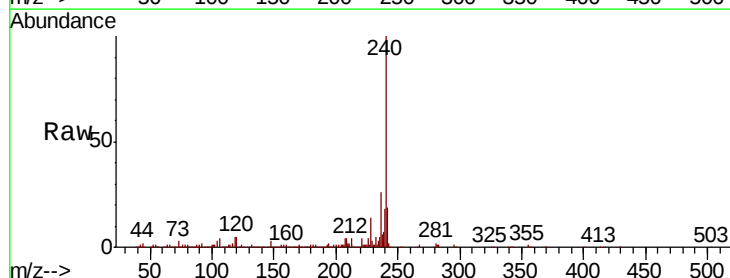
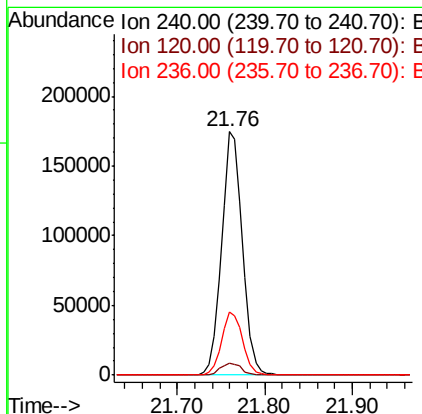
RT: 21.76 min Scan# 3178

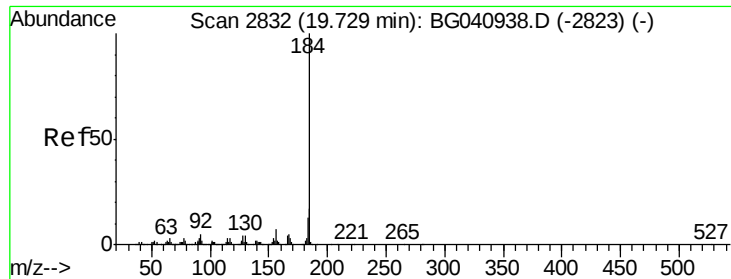
Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	240	Resp:	285941
Ion Ratio	Lower	Upper	
240	100		
120	4.9	4.5	6.7
236	26.2	21.3	31.9





#77

Benzidine

Concen: 8.710 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

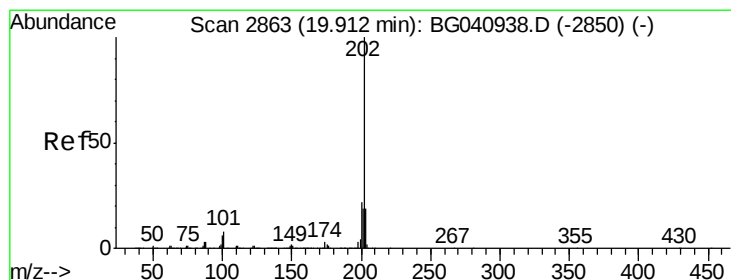
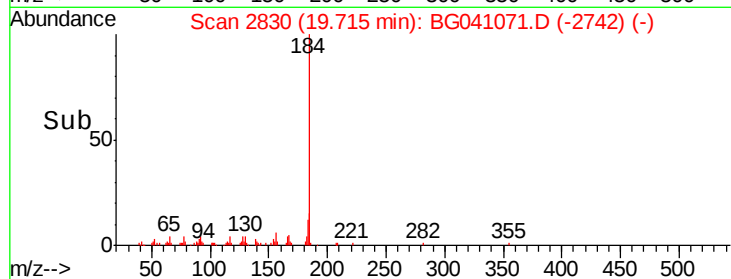
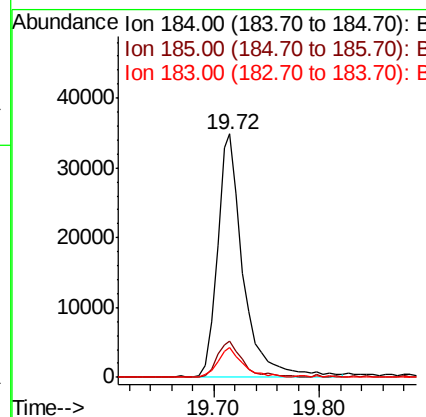
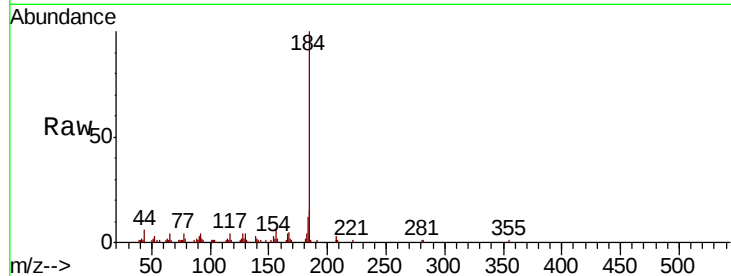
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.3	19.9
183	12.1	10.7	16.1

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#78

Pyrene

Concen: 7.422 ng

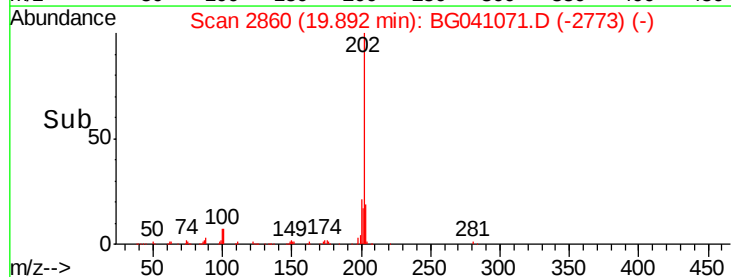
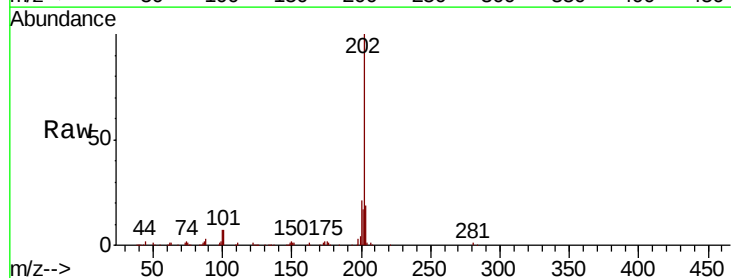
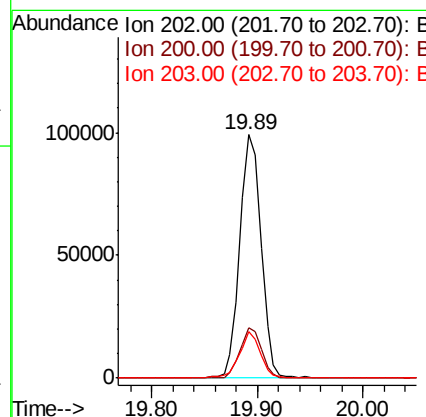
RT: 19.89 min Scan# 2860

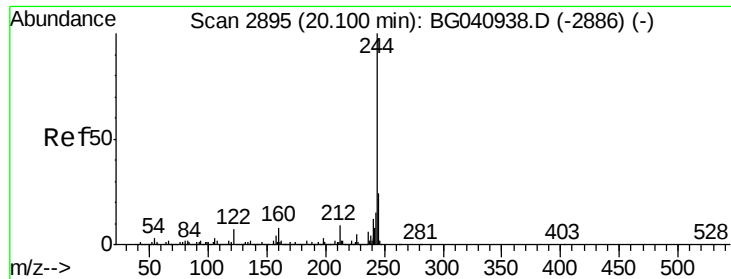
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	18.9	15.6	23.4





#79

Terphenyl-d14

Concen: 75.093 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:244 Resp: 1011720

Ion Ratio Lower Upper

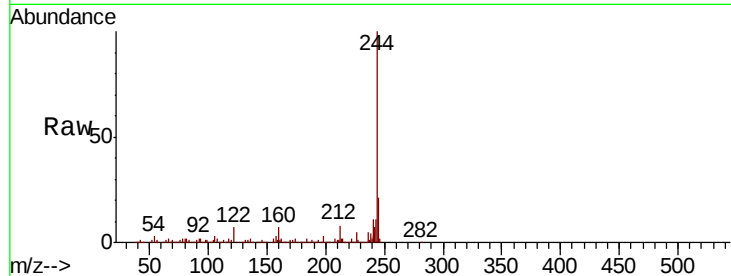
244 100

212 8.4 7.0 10.4

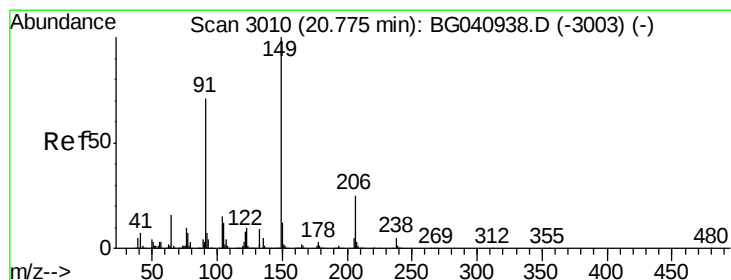
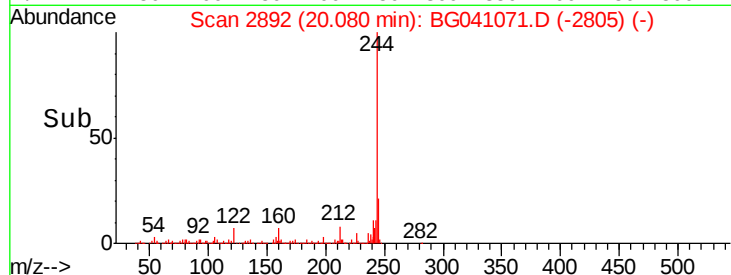
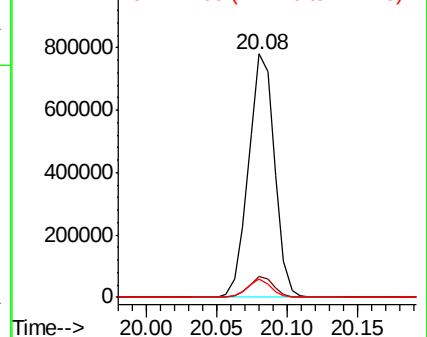
122 7.4 5.4 8.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.004 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

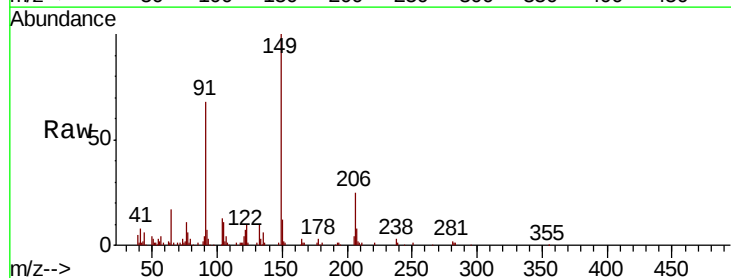
Tgt Ion:149 Resp: 50668

Ion Ratio Lower Upper

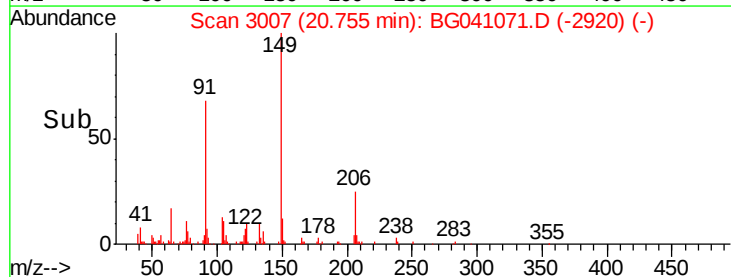
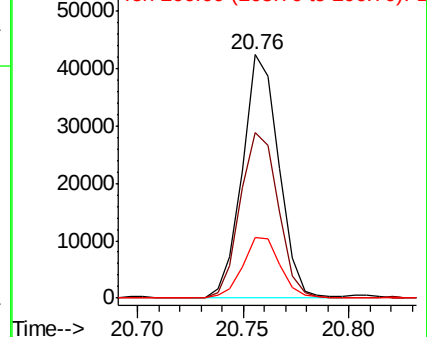
149 100

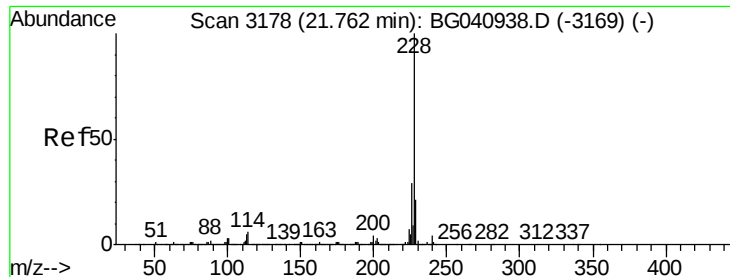
91 67.8 56.5 84.7

206 24.6 20.3 30.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.742 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

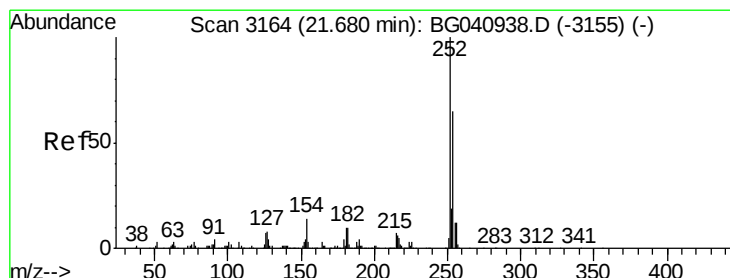
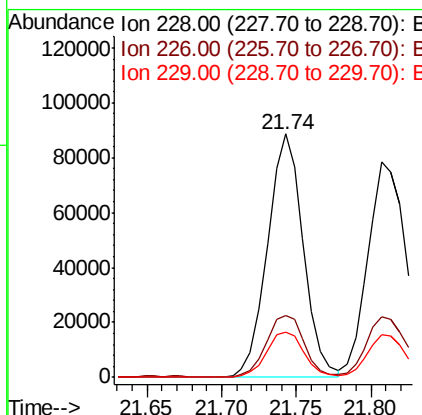
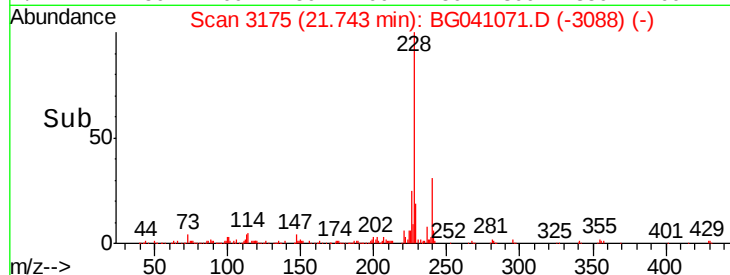
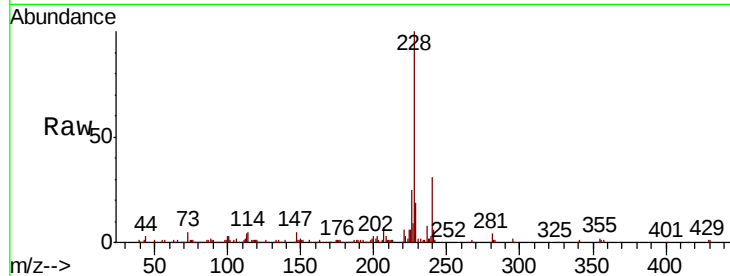
ClientSampleId :

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Tot Ion:	228	Resp:	147370
Ion Ratio		Lower	Upper
228	100		
226	25.2	23.5	35.3
229	18.6	16.7	25.1

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#82

3,3'-Dichlorobenzidine

Concen: 7.934 ng

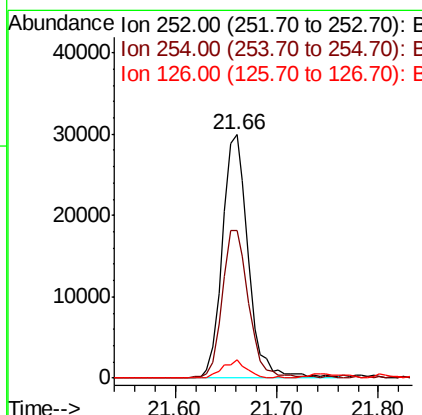
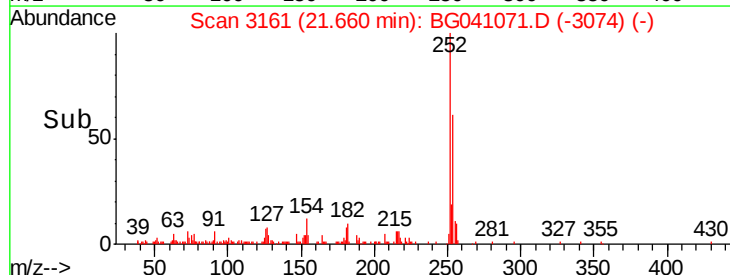
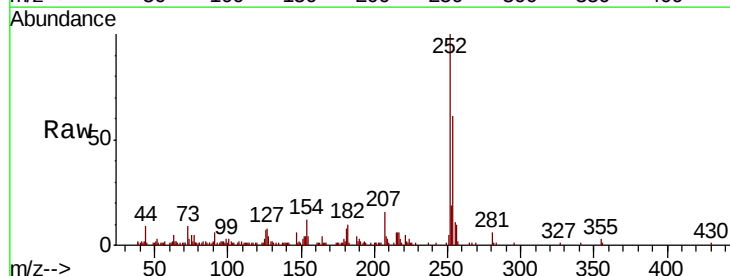
RT: 21.66 min Scan# 3161

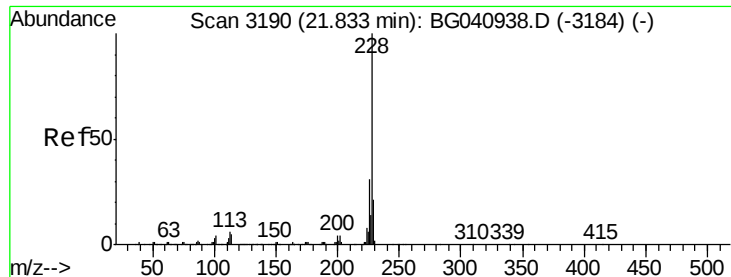
Delta R.T. -0.02 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	252	Resp:	53119
Ion Ratio		Lower	Upper
252	100		
254	60.8	52.1	78.1
126	7.4	5.5	8.3





#83

Chrysene

Concen: 7.453 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

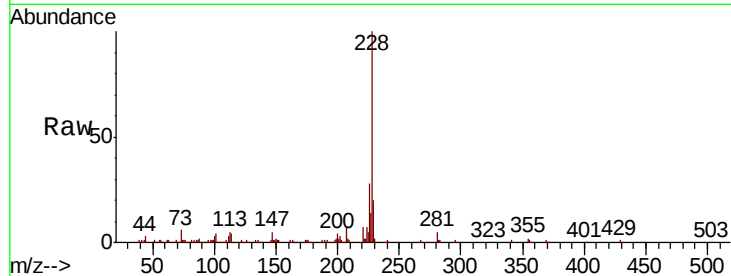
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

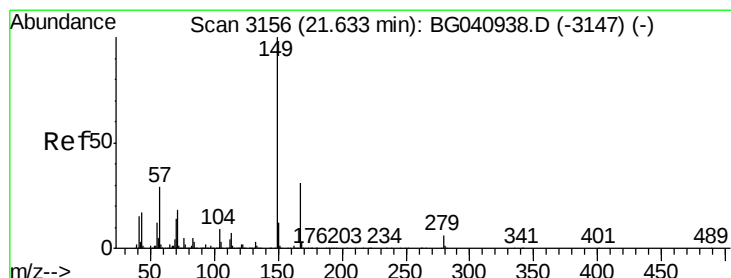
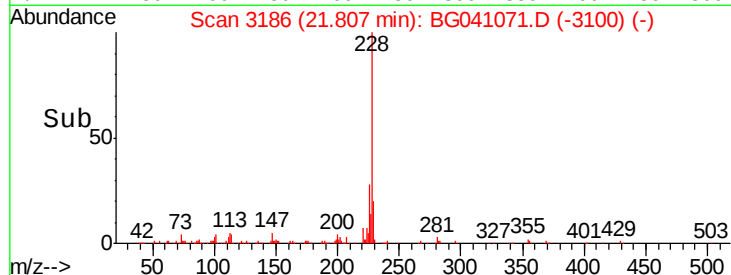
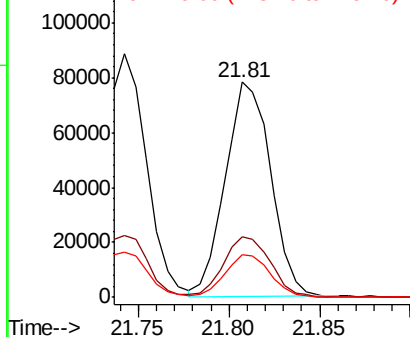
Tot Ion:	228	Resp:	135756
Ion Ratio	Lower	Upper	
228	100		
226	28.0	24.6	37.0
229	20.0	16.6	24.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.916 ng

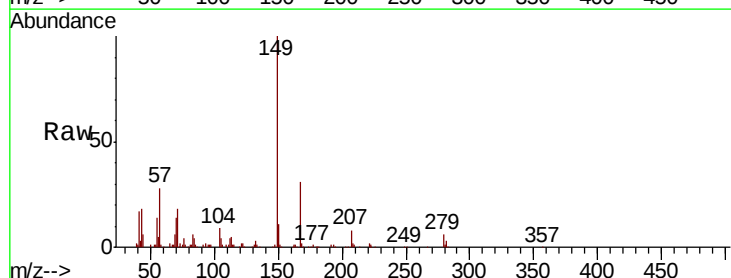
RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

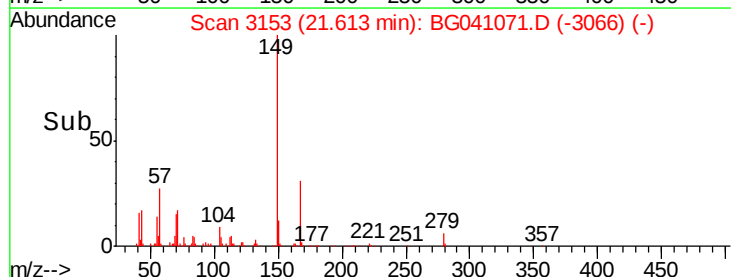
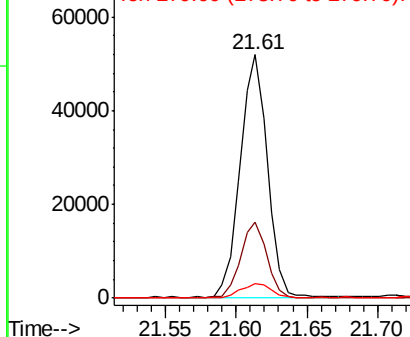
Lab File: BG041071.D

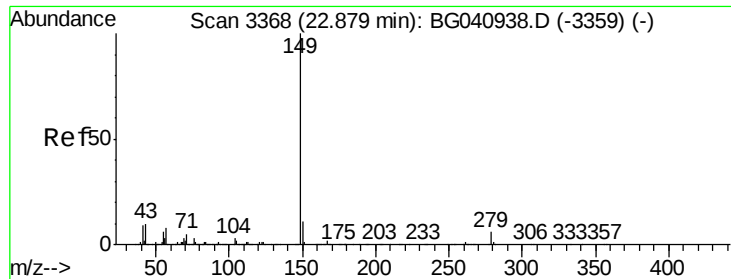
Acq: 5 Jun 2019 14:23

Tgt Ion:	149	Resp:	70425
Ion Ratio	Lower	Upper	
149	100		
167	31.1	24.6	37.0
279	5.8	5.0	7.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.266 ng

RT: 22.85 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

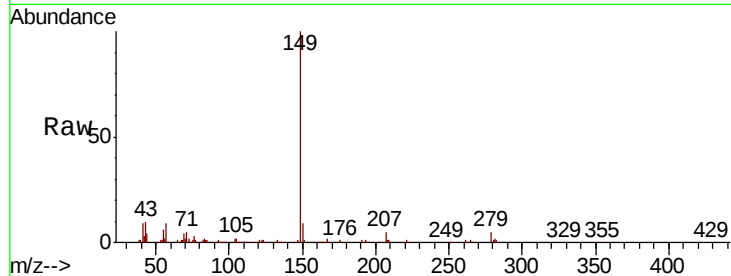
ClientSampleID :

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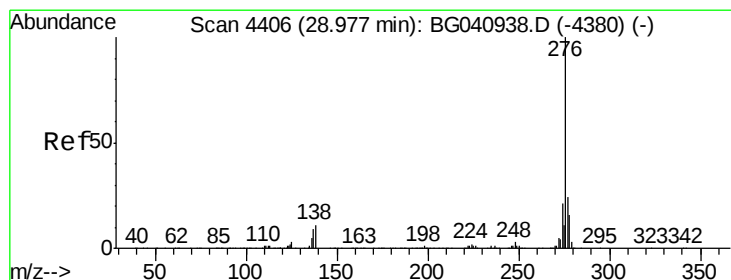
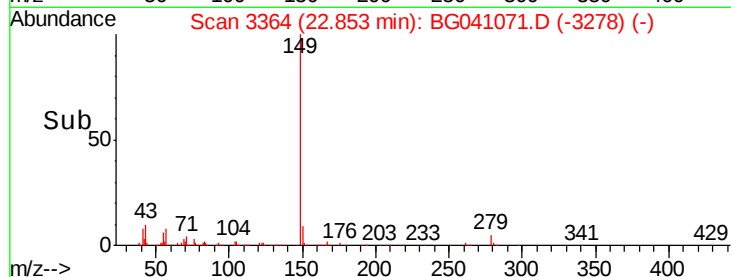
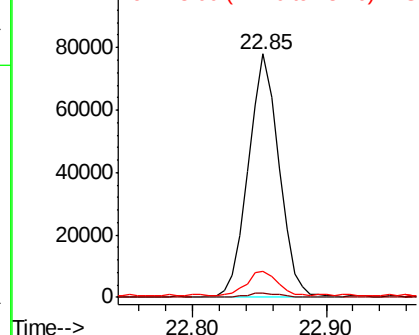
Tot Ion:	149	Resp:	123224
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.4	2.0
43	9.7	8.1	12.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.020 ng

RT: 28.92 min Scan# 4397

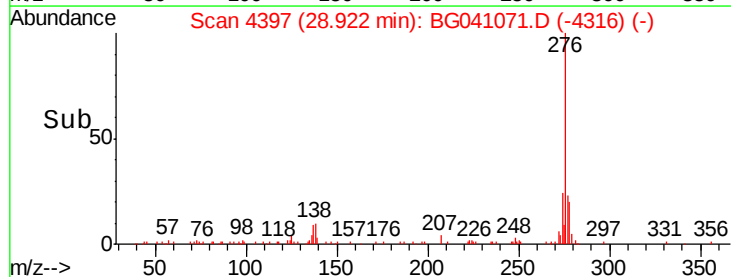
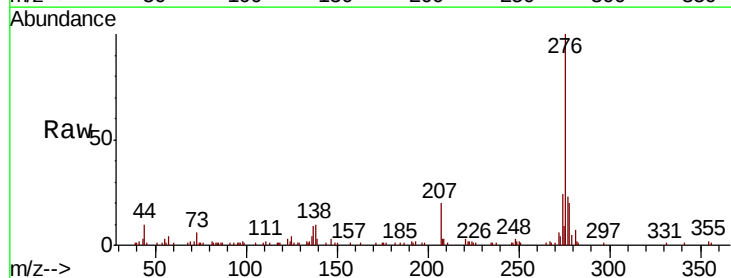
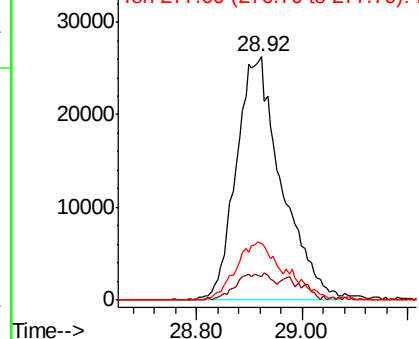
Delta R.T. -0.06 min

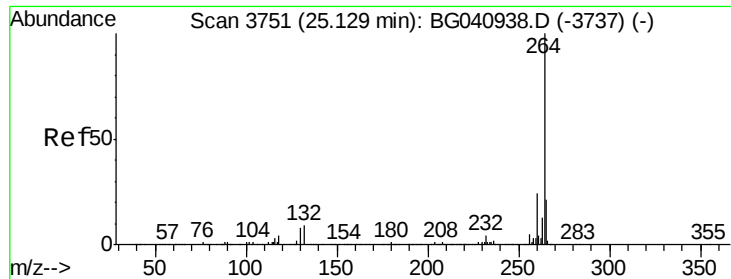
Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	276	Resp:	156631
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.7	8.5#
277	20.2	20.8	31.2#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3746

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

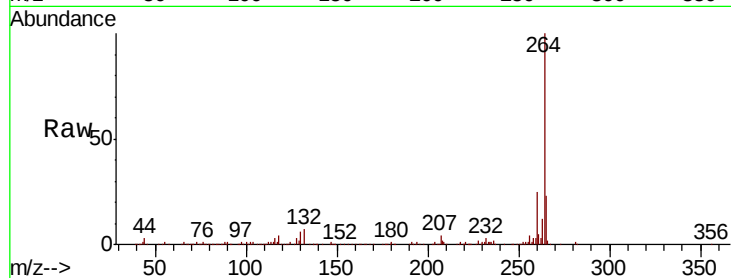
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

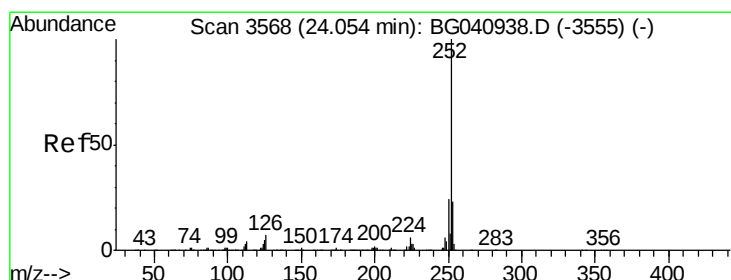
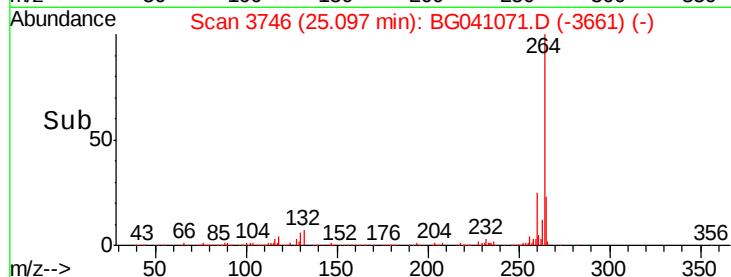
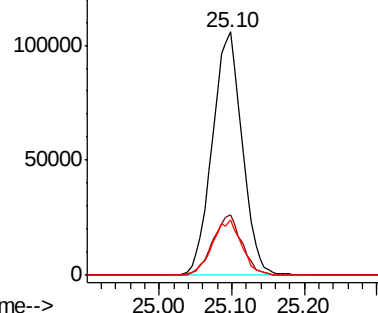
Tot Ion:	264	Resp:	303410
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.0	28.4
265	22.7	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.303 ng

RT: 24.02 min Scan# 3563

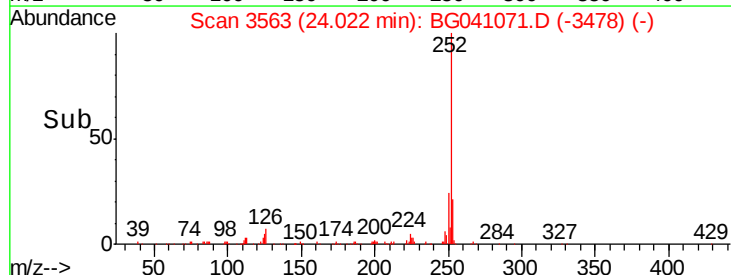
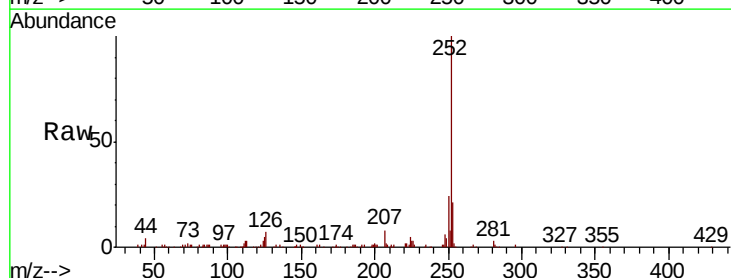
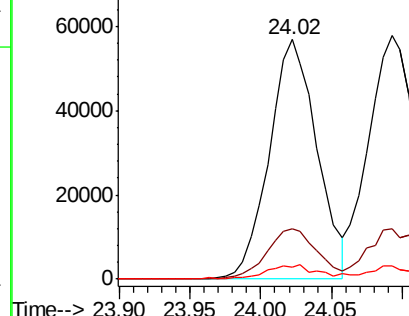
Delta R.T. -0.03 min

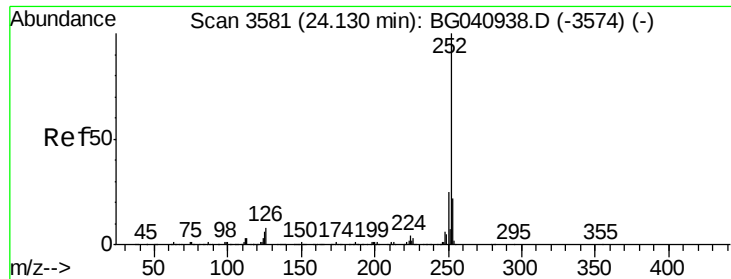
Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Tgt Ion:	252	Resp:	134403
Ion Ratio	Lower	Upper	
252	100		
253	20.9	18.4	27.6
125	4.8	4.3	6.5

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.512 ng

RT: 24.09 min Scan# 3575

Delta R.T. -0.04 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

Instrument :

BNA_G

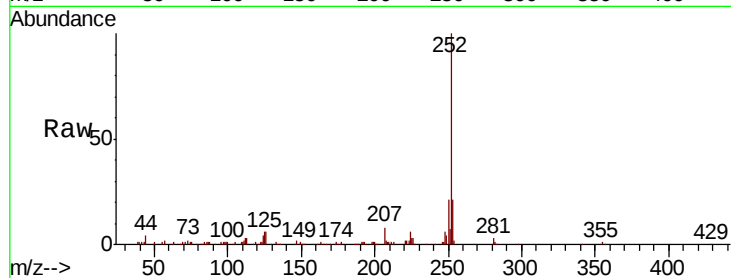
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	252	Resp:	136795
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.8	26.6
125	5.5	4.7	7.1

Manual Integrations
APPROVED

mohammad
6/6/2019 3:42:15 PM

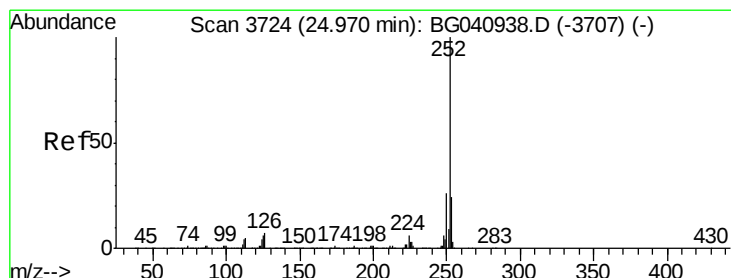
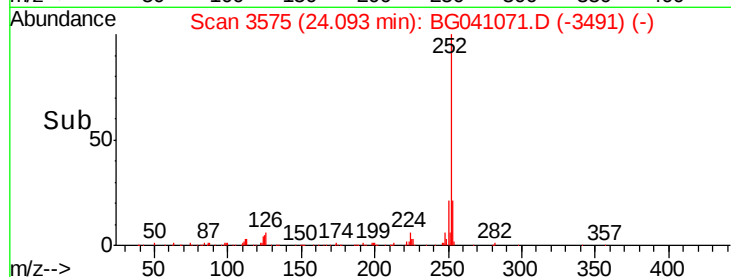
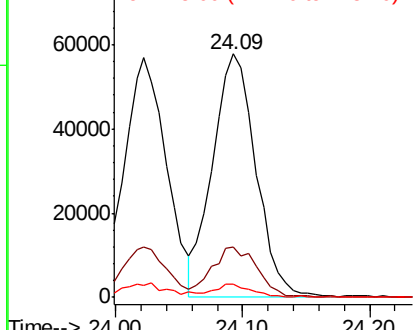


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.566 ng

RT: 24.94 min Scan# 3719

Delta R.T. -0.03 min

Lab File: BG041071.D

Acq: 5 Jun 2019 14:23

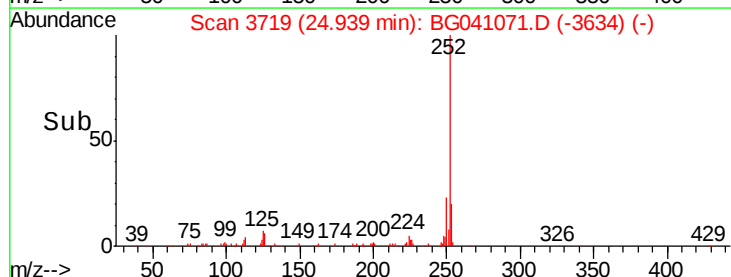
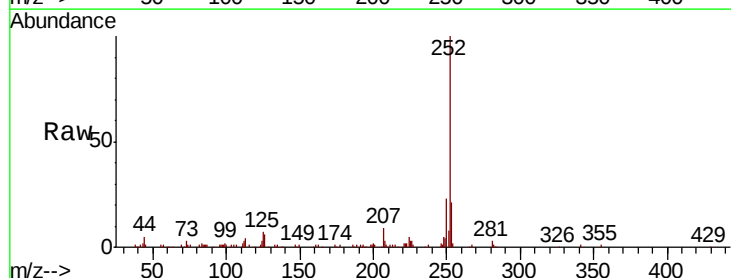
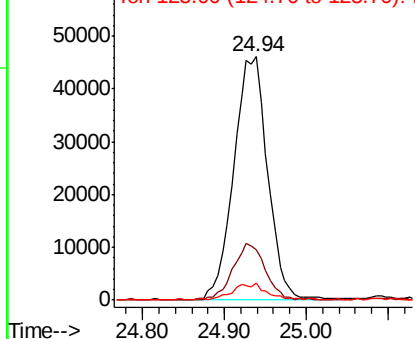
Tgt Ion:	252	Resp:	132835
Ion Ratio	Lower	Upper	
252	100		
253	20.5	19.5	29.3
125	6.9	5.1	7.7

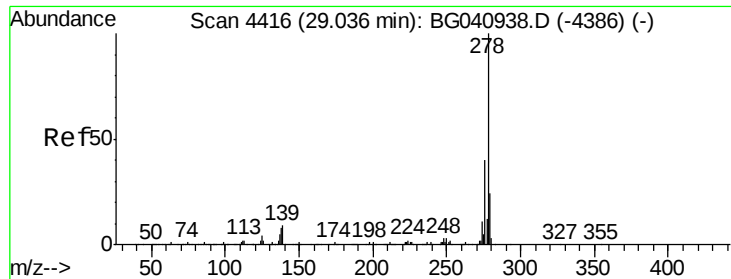
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





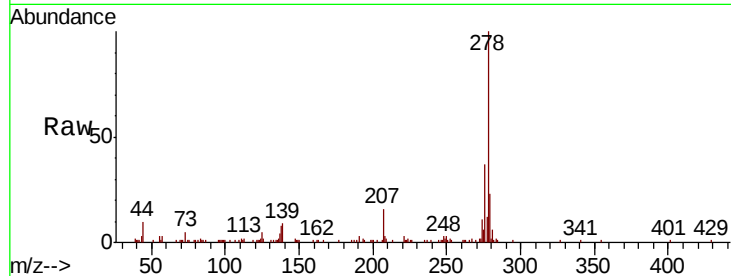
#91
Dibenzo(a,h)anthracene
Concen: 7.446 ng
RT: 28.97 min Scan# 4405
Delta R.T. -0.07 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.2	7.1	10.7
279	22.9	19.4	29.2

Manual Integrations
APPROVED

mohammad
6/6/2019 3:42:15 PM

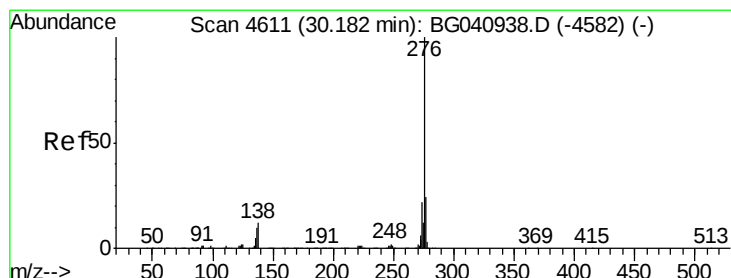
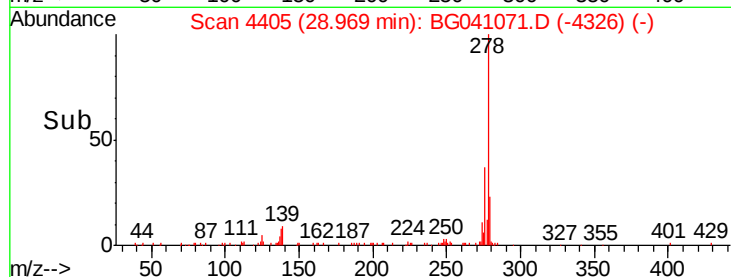
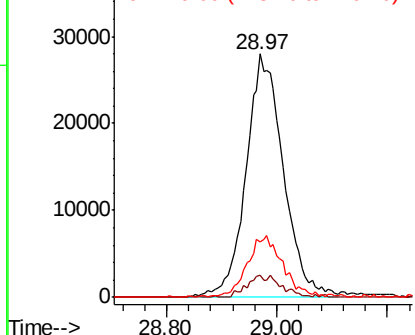


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.648 ng
RT: 30.12 min Scan# 4601
Delta R.T. -0.06 min
Lab File: BG041071.D
Acq: 5 Jun 2019 14:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.4	29.0
138	10.8	9.7	14.5

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

