

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041070.D
 Acq On : 5 Jun 2019 13:40
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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 6/6/2019 3:42:13 PM

Quant Time: Jun 06 04:49:15 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	35007	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	134984	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	93062	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	237668	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	271457	20.00	ng	-0.02
87) Perylene-d12	25.10	264	293826	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	301373	155.24	ng	-0.01
7) Phenol-d6	7.25	99	407461	135.90	ng	-0.01
23) Nitrobenzene-d5	9.29	82	277326	91.21	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	216441	156.66	ng	-0.01
45) 2-Fluorobiphenyl	13.36	172	626103	96.89	ng	-0.02
79) Terphenyl-d14	20.09	244	1175148	91.88	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	6066	6.886	ng	92
3) Pyridine	3.93	79	12054	4.624	ng	94
4) n-Nitrosodimethylamine	3.85	42	6471	5.349	ng	# 88
6) Aniline	7.44	93	18081	4.518	ng	96
8) 2-Chlorophenol	7.66	128	11527	4.980	ng	97
9) Benzaldehyde	7.25	77	13000	7.268	ng	# 70
10) Phenol	7.28	94	14571	4.533	ng	83
11) bis(2-Chloroethyl)ether	7.52	93	10471	4.490	ng	93
12) 1,3-Dichlorobenzene	7.99	146	13369	4.836	ng	93
13) 1,4-Dichlorobenzene	8.15	146	13035	4.659	ng	93
14) 1,2-Dichlorobenzene	8.46	146	12872	4.738	ng	89
15) Benzyl Alcohol	8.35	79	11934	4.303	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.63	45	17140	4.498	ng	93
17) 2-Methylphenol	8.54	107	10139	4.356	ng	91
18) Hexachloroethane	9.20	117	5139	4.765	ng	# 71
19) n-Nitroso-di-n-propylamine	8.91	70	10954	4.748	ng	# 85
20) 3+4-Methylphenols	8.87	107	13816	4.285	ng	96
22) Acetophenone	8.94	105	20102	5.309	ng	# 98
24) Nitrobenzene	9.33	77	15774	5.091	ng	98
25) Isophorone	9.84	82	27987	4.837	ng	# 95
26) 2-Nitrophenol	10.04	139	6379	4.994	ng	# 80
27) 2,4-Dimethylphenol	10.09	122	9804	4.647	ng	94
28) bis(2-Chloroethoxy)methane	10.33	93	14484	4.638	ng	# 91
29) 2,4-Dichlorophenol	10.57	162	12746	4.758	ng	91
30) 1,2,4-Trichlorobenzene	10.79	180	14811	4.860	ng	99
31) Naphthalene	10.98	128	36379	5.020	ng	97
32) Benzoic acid	10.19	122	1596m	8.938	ng	
33) 4-Chloroaniline	11.10	127	15898	4.728	ng	# 86
34) Hexachlorobutadiene	11.25	225	11146	4.780	ng	94
35) Caprolactam	11.85	113	4527	5.117	ng	94
36) 4-Chloro-3-methylphenol	12.19	107	13757	4.496	ng	# 88
37) 2-Methylnaphthalene	12.58	142	26429	4.735	ng	93
38) 1-Methylnaphthalene	12.80	142	26305m	5.001	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	20628	5.499	ng	97

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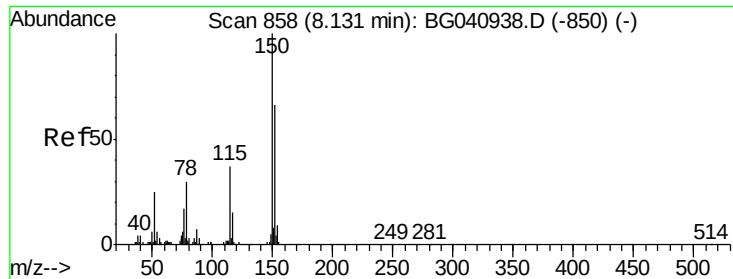
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	6902	11.306	ng	98
43) 2,4,6-Trichlorophenol	13.18	196	11867m	4.891	ng	
44) 2,4,5-Trichlorophenol	13.25	196	12881	5.033	ng	95
46) 1,1'-Biphenyl	13.58	154	36187	5.253	ng	96
47) 2-Chloronaphthalene	13.63	162	30699	5.191	ng	90
48) 2-Nitroaniline	13.83	65	10418	4.911	ng	95
49) Acenaphthylene	14.47	152	46811	5.259	ng	97
50) Dimethylphthalate	14.19	163	39714	5.041	ng	# 95
51) 2,6-Dinitrotoluene	14.32	165	8501	5.005	ng	96
52) Acenaphthene	14.81	154	27032	5.013	ng	97
53) 3-Nitroaniline	14.65	138	8449	4.975	ng	# 81
54) 2,4-Dinitrophenol	14.88	184	370	8.780	ng	# 38
55) Dibenzofuran	15.14	168	46474	5.122	ng	100
56) 4-Nitrophenol	14.96	139	4728	4.058	ng	# 69
57) 2,4-Dinitrotoluene	15.10	165	11239	4.684	ng	# 99
58) Fluorene	15.78	166	37393	5.175	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.36	232	11863	4.717	ng	# 97
60) Diethylphthalate	15.54	149	39830	4.954	ng	98
61) 4-Chlorophenyl-phenylether	15.77	204	23238	4.948	ng	98
62) 4-Nitroaniline	15.81	138	8470	4.711	ng	96
63) Azobenzene	16.07	77	36971	5.060	ng	98
65) 4,6-Dinitro-2-methylphenol	15.87	198	2936	10.482	ng	78
66) n-Nitrosodiphenylamine	15.99	169	34135	5.109	ng	98
67) 4-Bromophenyl-phenylether	16.67	248	14139	4.408	ng	99
68) Hexachlorobenzene	16.78	284	15890	4.652	ng	# 85
69) Atrazine	16.92	200	14141	5.485	ng	90
70) Pentachlorophenol	17.14	266	5258	6.977	ng	# 81
71) Phenanthrene	17.53	178	67782	5.475	ng	98
72) Anthracene	17.62	178	64377	5.273	ng	99
73) Carbazole	17.89	167	57790	5.516	ng	99
74) Di-n-butylphthalate	18.42	149	67986	5.221	ng	99
75) Fluoranthene	19.53	202	87995	5.755	ng	97
77) Benzidine	19.72	184	37932	5.858	ng	96
78) Pyrene	19.90	202	93368	5.291	ng	95
80) Butylbenzylphthalate	20.76	149	36753	5.352	ng	98
81) Benzo(a)anthracene	21.74	228	100212	5.546	ng	98
82) 3,3'-Dichlorobenzidine	21.66	252	36165	5.690	ng	99
83) Chrysene	21.81	228	95590	5.528	ng	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	53478	5.532	ng	94
85) Di-n-octyl phthalate	22.86	149	92195	5.726	ng	96
86) Indeno(1,2,3-cd)pyrene	28.92	276	109465	5.168	ng	# 75
88) Benzo(b)fluoranthene	24.03	252	95365	5.351	ng	93
89) Benzo(k)fluoranthene	24.09	252	95498	5.415	ng	97
90) Benzo(a)pyrene	24.93	252	94085	5.533	ng	97
91) Dibenzo(a,h)anthracene	28.98	278	88759	5.224	ng	# 88
92) Benzo(g,h,i)perylene	30.11	276	91500	5.543	ng	94

(#) = 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: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

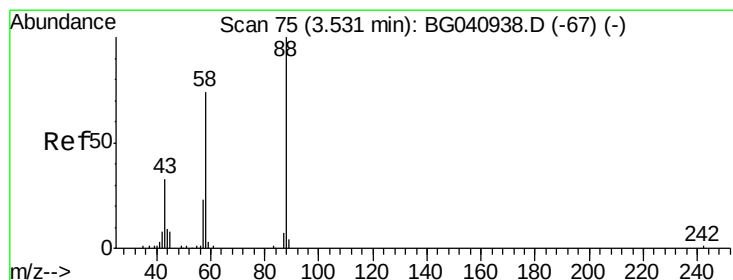
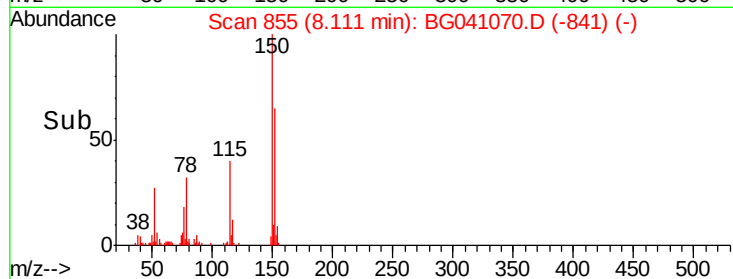
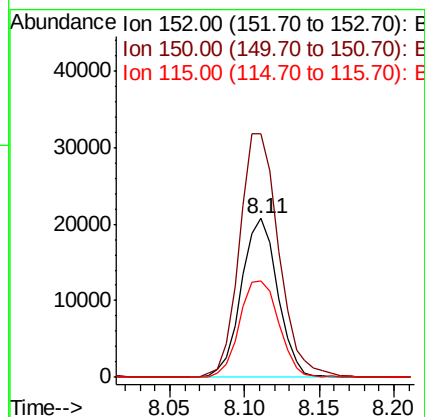
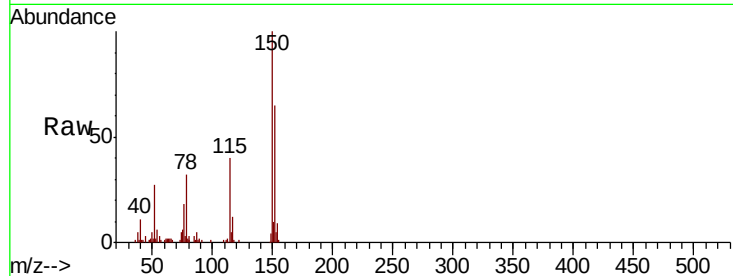
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	152	Resp:	35007
Ion Ratio	Lower	Upper	
152	100		
150	153.2	120.6	180.8
115	61.0	45.1	67.7

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#2

1,4-Dioxane

Concen: 6.886 ng

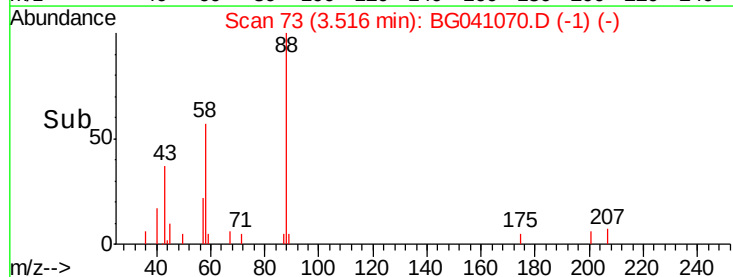
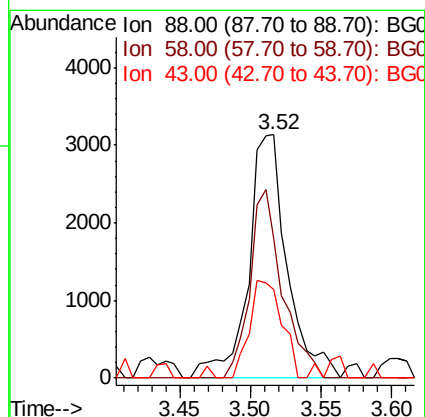
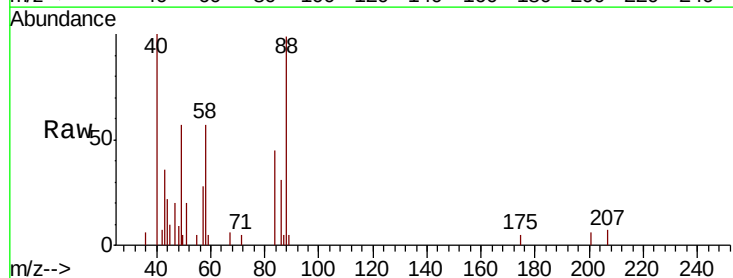
RT: 3.52 min Scan# 73

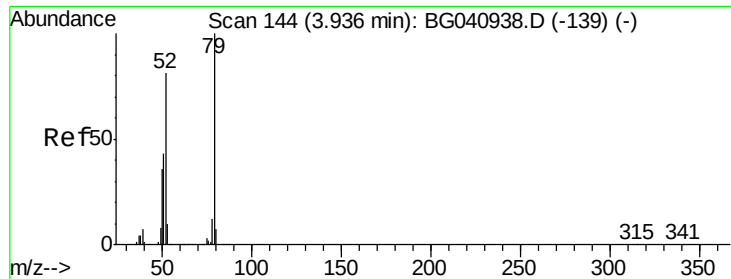
Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	88	Resp:	6066
Ion Ratio	Lower	Upper	
88	100		
58	64.5	59.0	88.6
43	33.4	27.2	40.8





#3

Pvridine

Concen: 4.624 ng

RT: 3.93 min Scan# 144

Delta R.T. -0.00 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

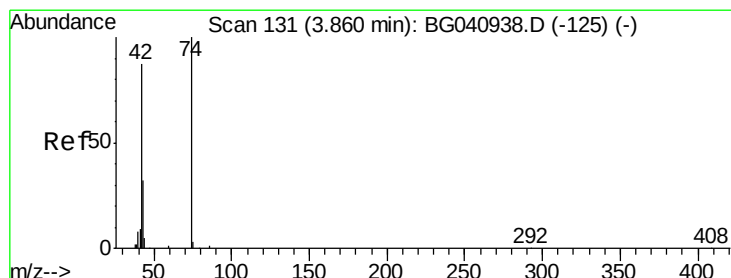
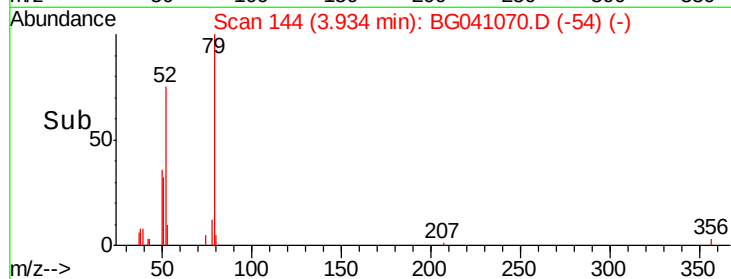
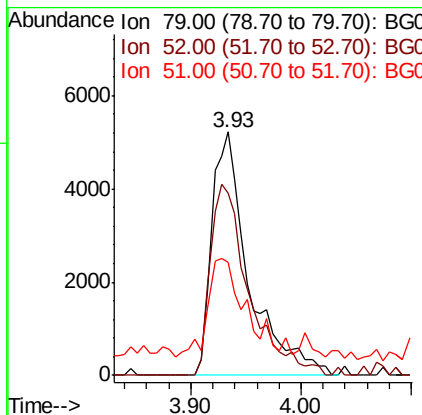
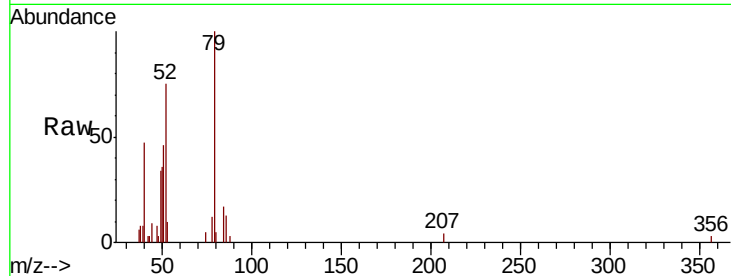
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	79	Resp:	12054
Ion Ratio	Lower	Upper	
79	100		
52	75.0	64.8	97.2
51	46.3	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 5.349 ng

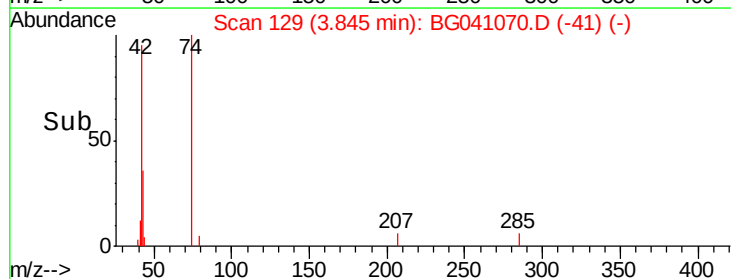
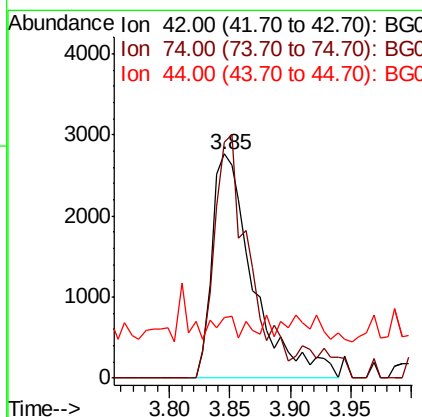
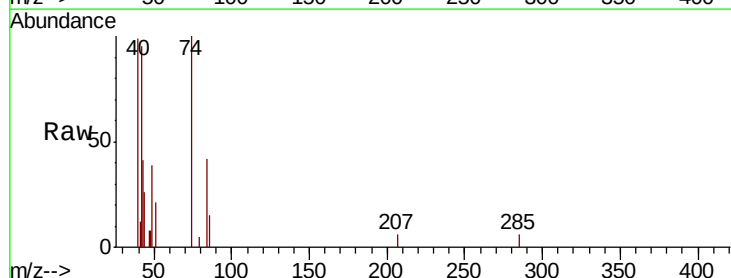
RT: 3.85 min Scan# 129

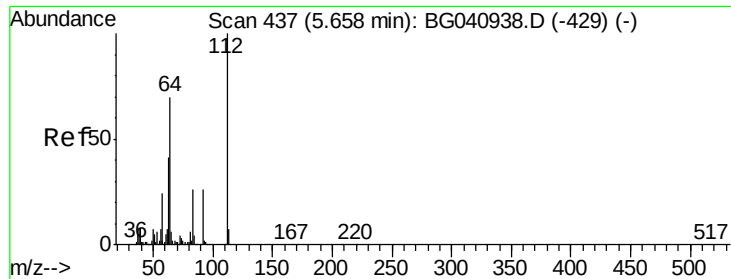
Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	42	Resp:	6471
Ion Ratio	Lower	Upper	
42	100		
74	105.1	91.8	137.6
44	27.0	6.0	9.0#





#5

2-Fluorophenol

Concen: 155.237 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

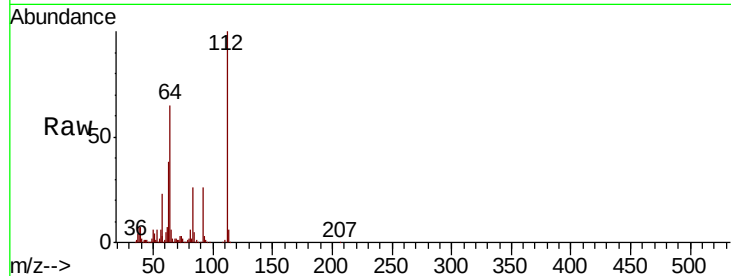
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

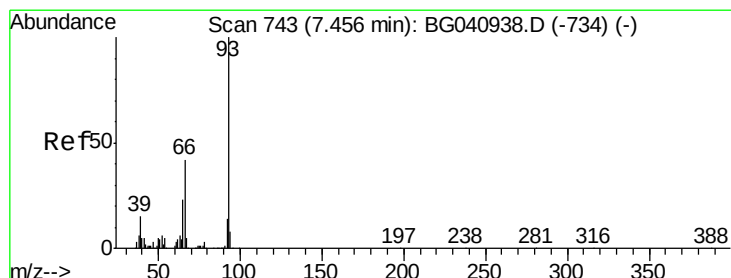
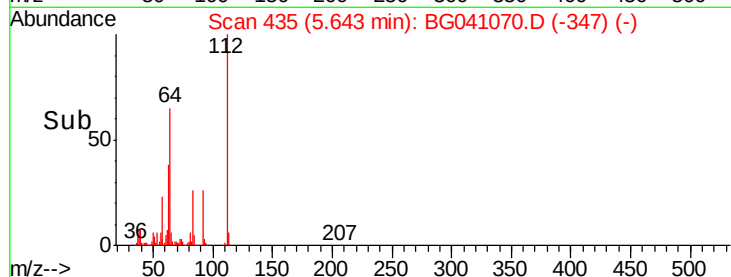
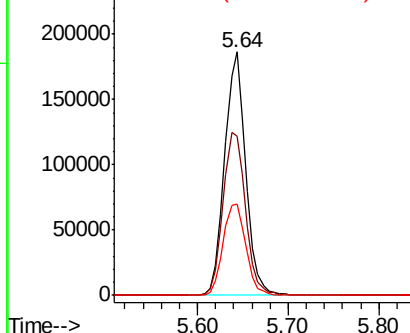
Tot Ion:	112	Resp:	301373
Ion Ratio	Lower	Upper	
112	100		
64	65.3	56.2	84.2
63	37.7	32.8	49.2

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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: 4.518 ng

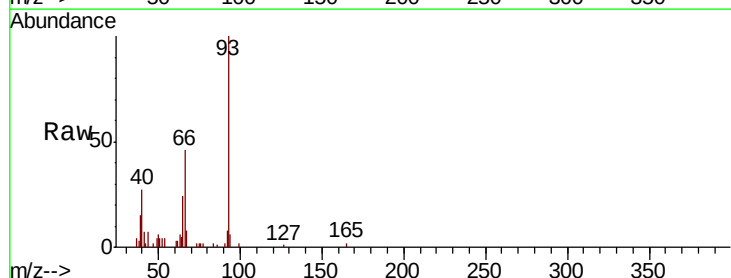
RT: 7.44 min Scan# 740

Delta R.T. -0.02 min

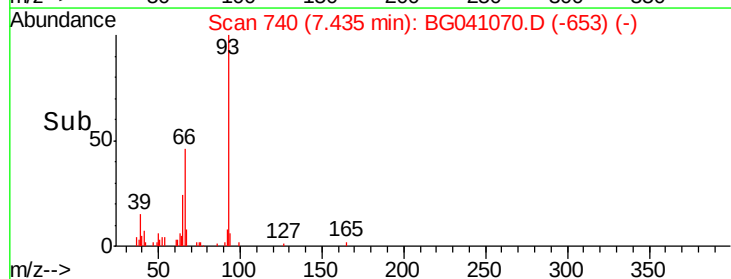
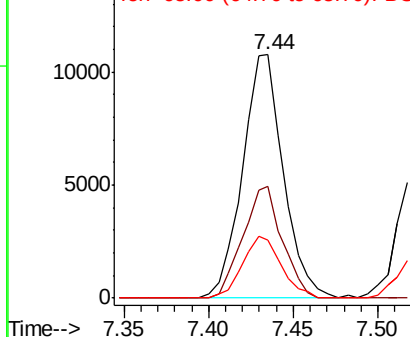
Lab File: BG041070.D

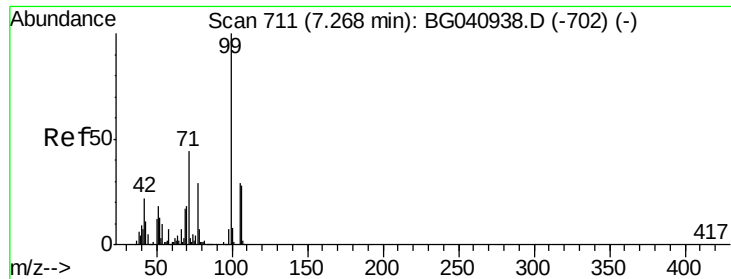
Acq: 5 Jun 2019 13:40

Tgt Ion:	93	Resp:	18081
Ion Ratio	Lower	Upper	
93	100		
66	45.7	33.8	50.8
65	23.8	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: 135.900 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

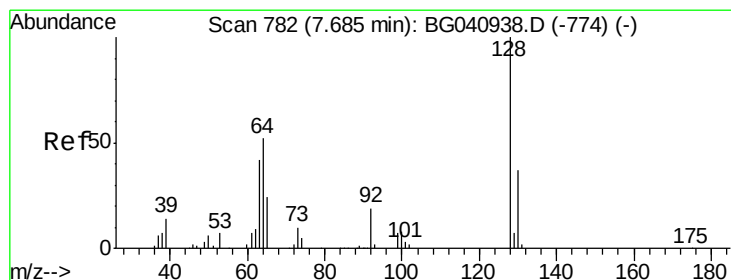
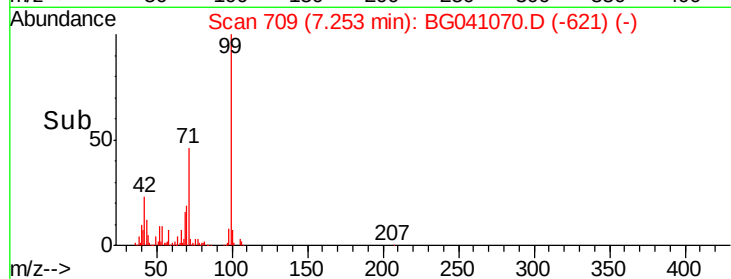
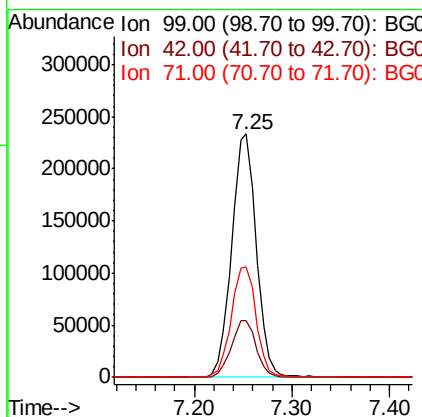
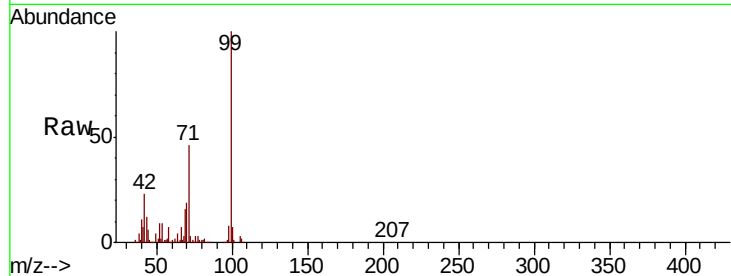
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	99	Resp:	407461
Ion Ratio	Lower	Upper	
99	100		
42	23.2	17.9	26.9
71	45.6	35.4	53.0

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#8

2-Chlorophenol

Concen: 4.980 ng

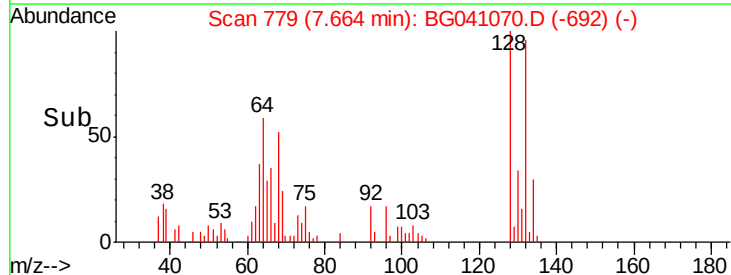
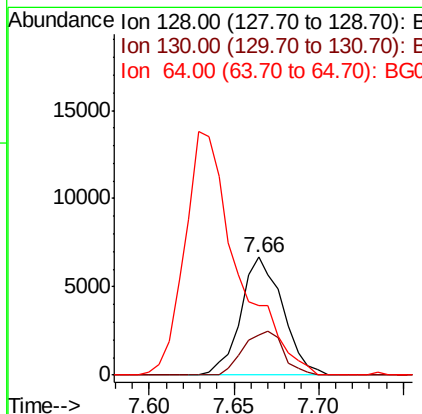
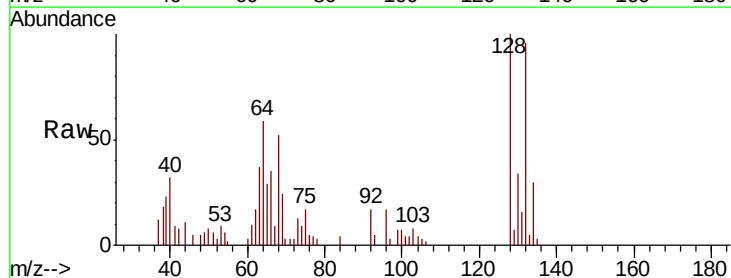
RT: 7.66 min Scan# 779

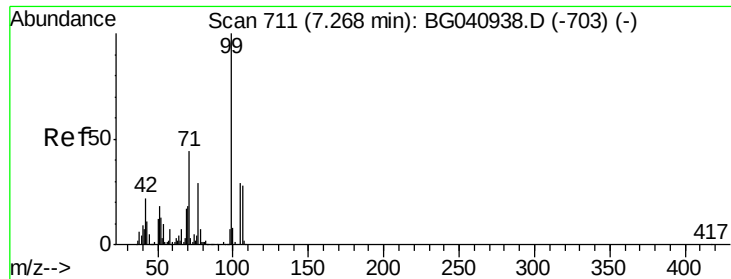
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	128	Resp:	11527
Ion Ratio	Lower	Upper	
128	100		
130	33.6	16.6	56.6
64	59.1	37.8	77.8





#9

Benzaldehyde

Concen: 7.268 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

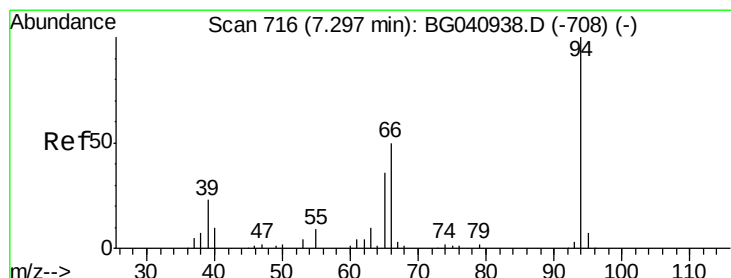
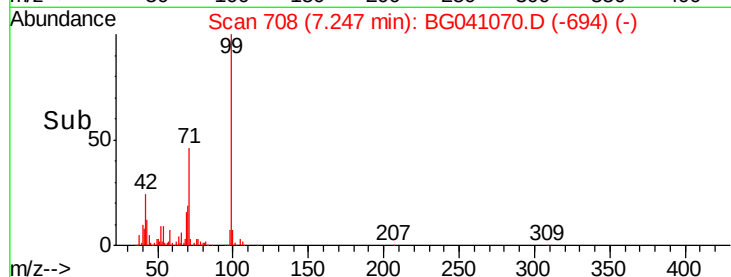
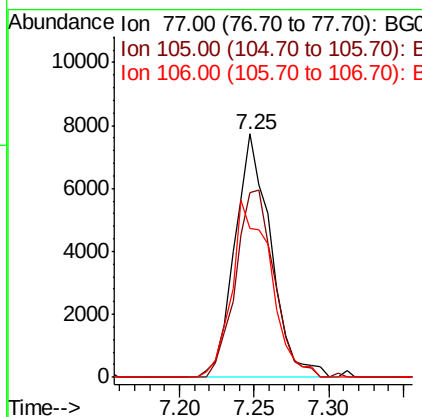
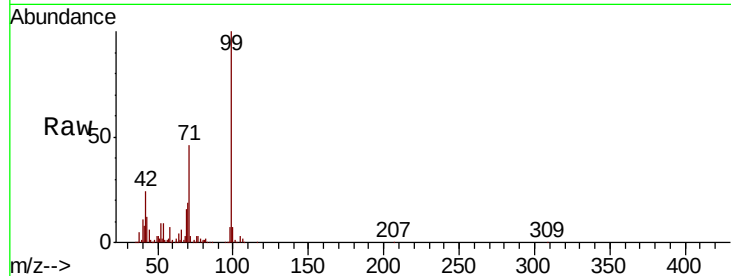
ClientSampleID :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion: 77 Resp: 13000
 Ion Ratio Lower Upper
 77 100
 105 75.9 78.9 118.9#
 106 61.2 76.7 116.7#

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#10

Phenol

Concen: 4.533 ng

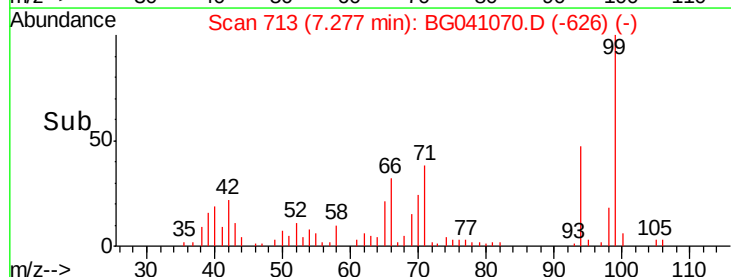
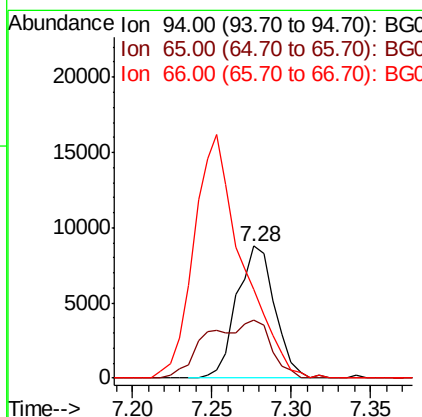
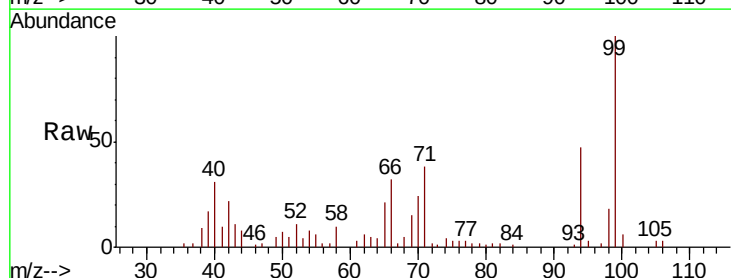
RT: 7.28 min Scan# 713

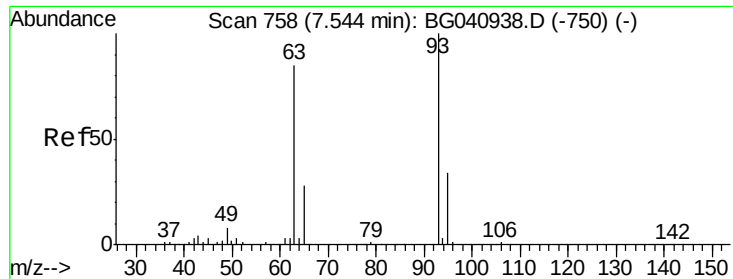
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion: 94 Resp: 14571
 Ion Ratio Lower Upper
 94 100
 65 43.8 17.0 57.0
 66 67.0 32.4 72.4





#11

bis(2-Chloroethyl)ether

Concen: 4.490 ng

RT: 7.52 min Scan# 755

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

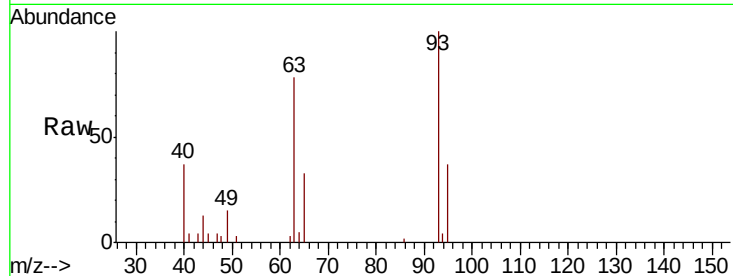
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	93	Resp:	10471
Ion	Ratio	Lower	Upper
93	100		
63	77.7	64.5	104.5
95	37.0	13.3	53.3

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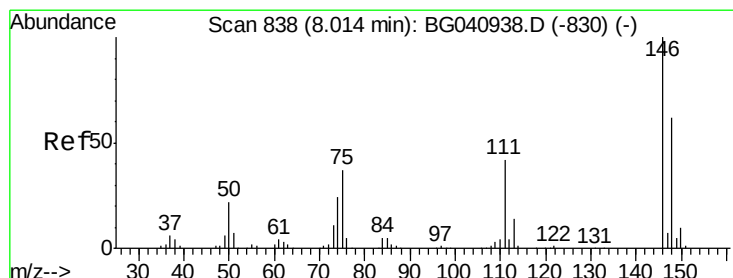
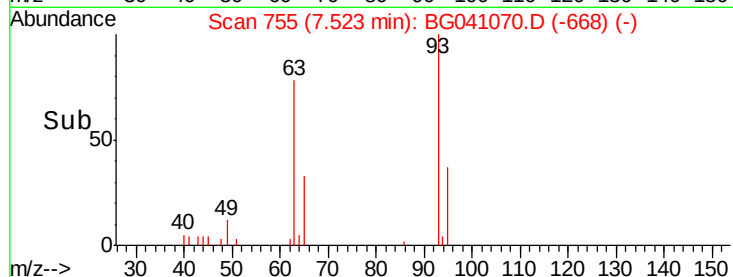
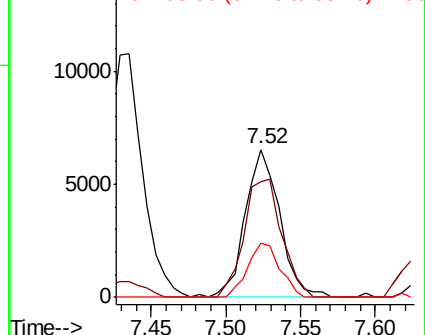


Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 4.836 ng

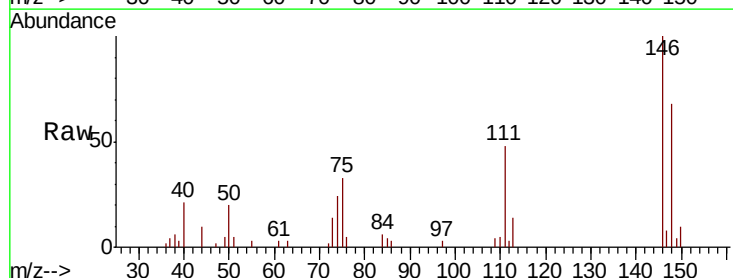
RT: 7.99 min Scan# 835

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	146	Resp:	13369
Ion	Ratio	Lower	Upper
146	100		
148	67.9	49.2	73.8
75	33.3	29.4	44.0

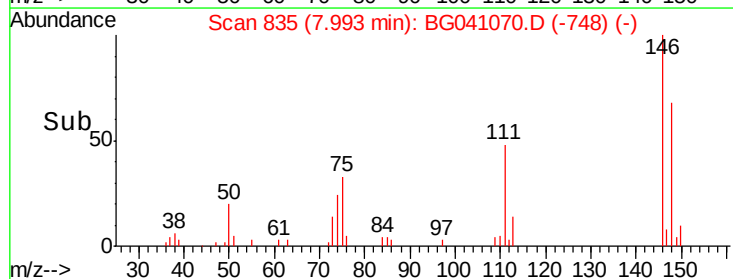
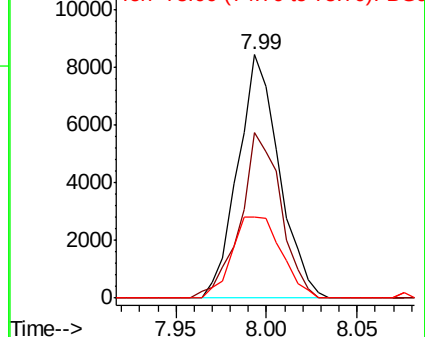


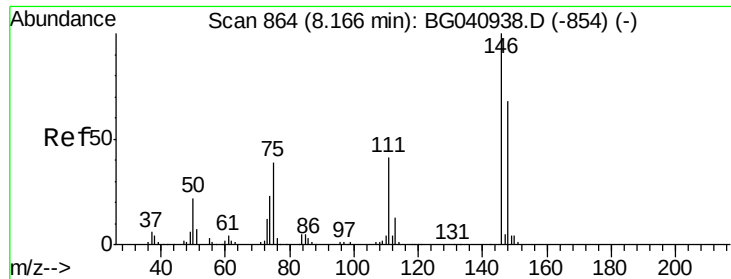
Abundance

Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC





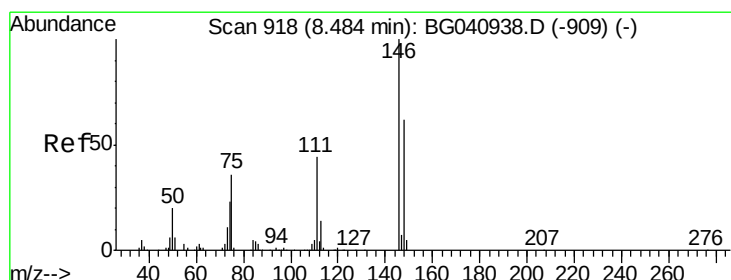
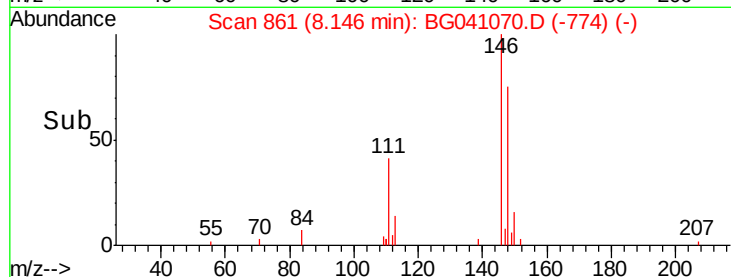
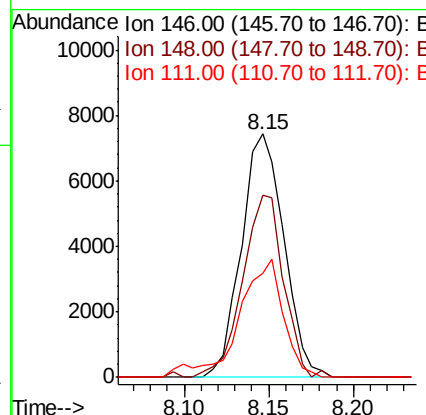
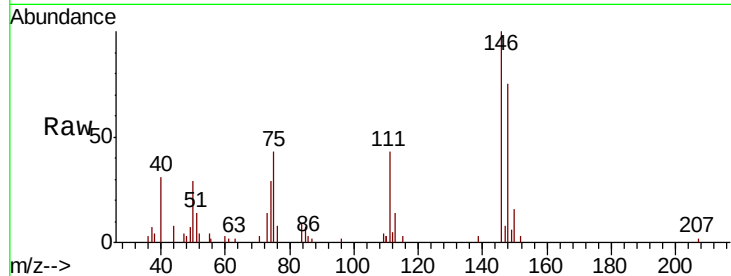
#13
 1,4-Dichlorobenzene
 Concen: 4.659 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	74.8	54.2	81.4
111	43.0	32.9	49.3

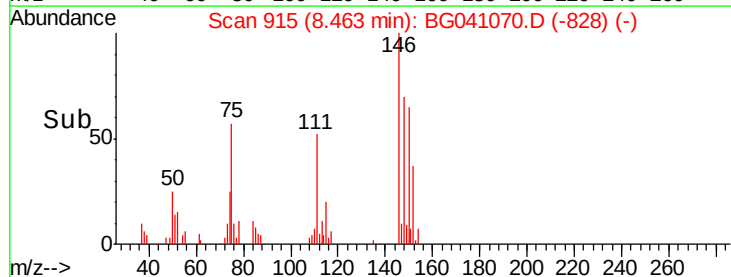
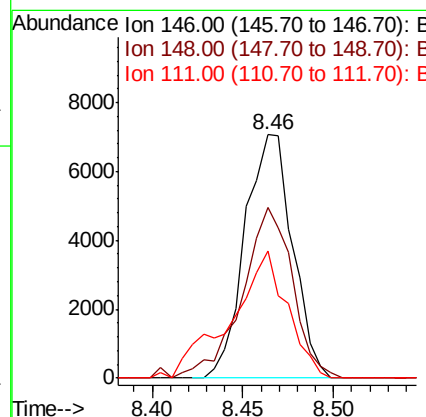
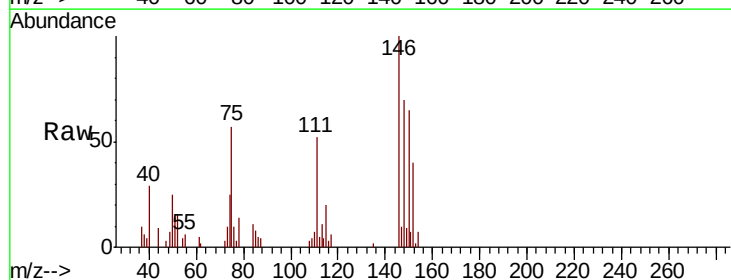
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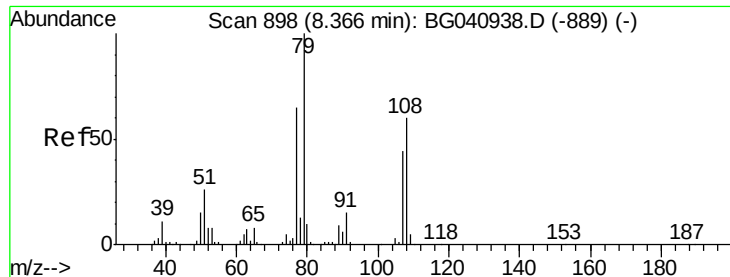
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 4.738 ng
 RT: 8.46 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.2	49.8	74.6
111	52.1	35.0	52.4





#15

Benzyl Alcohol

Concen: 4.303 ng

RT: 8.35 min Scan# 896

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

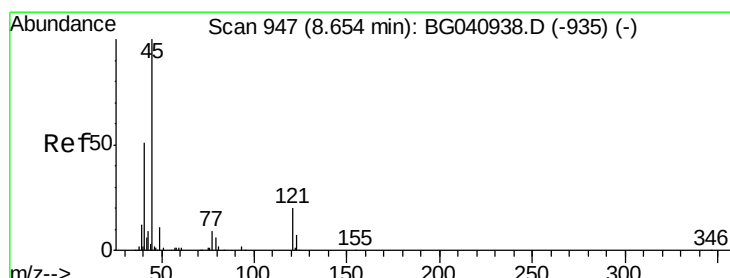
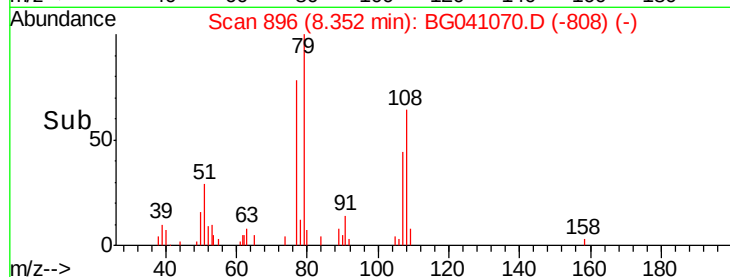
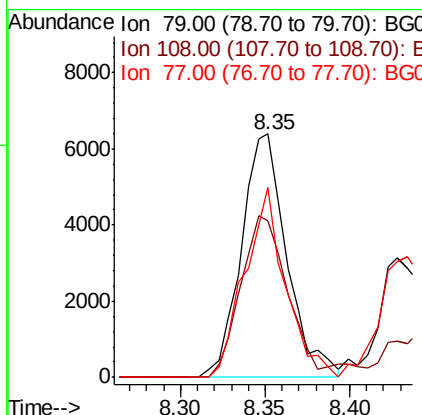
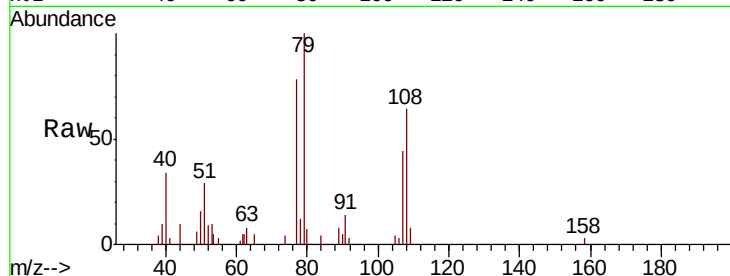
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	79	Resp:	11934
Ion	Ratio	Lower	Upper
79	100		
108	64.2	48.3	72.5
77	78.2	52.3	78.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.498 ng

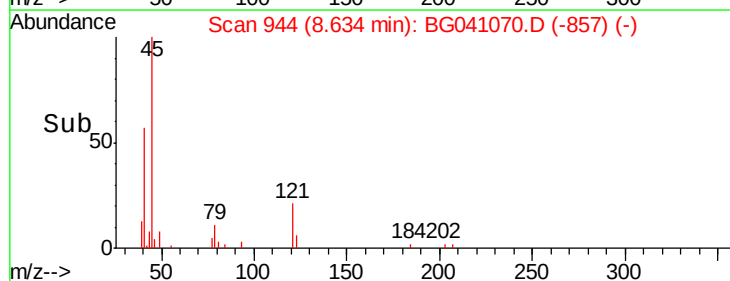
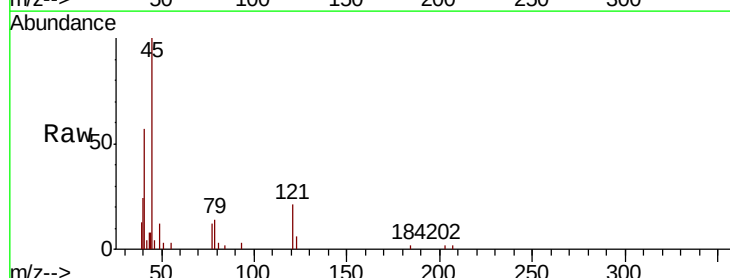
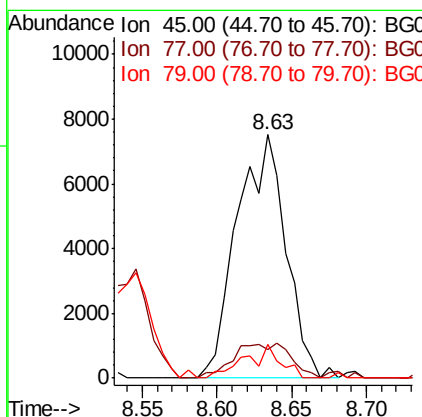
RT: 8.63 min Scan# 944

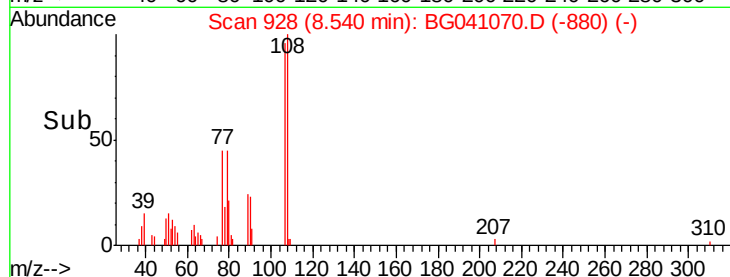
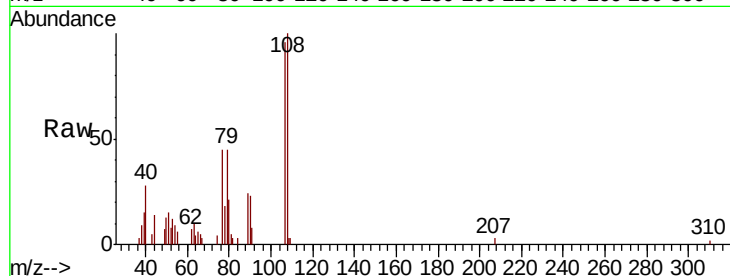
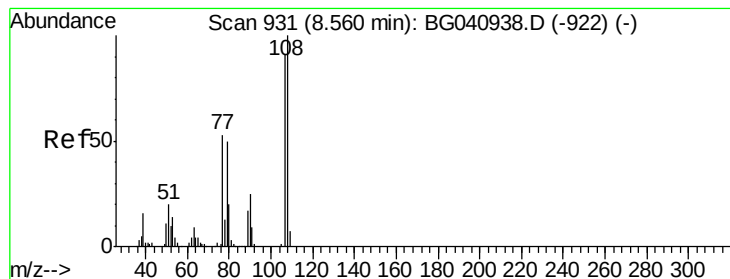
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	45	Resp:	17140
Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	33.7
79	13.9	0.0	30.2





#17

2-Methylphenol

Concen: 4.356 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	104.3	87.7	131.5	
77	46.9	46.6	70.0	
79	46.9	44.6	66.8	

Instrument :

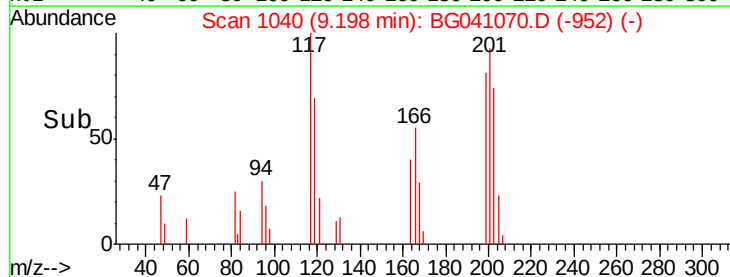
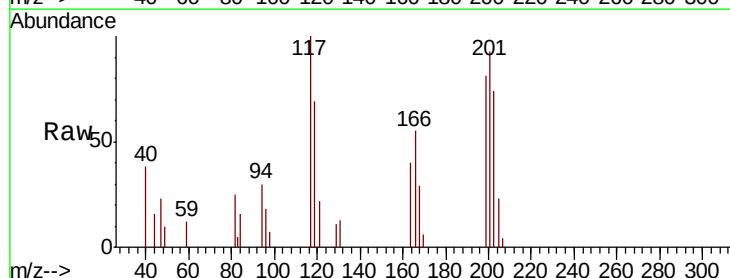
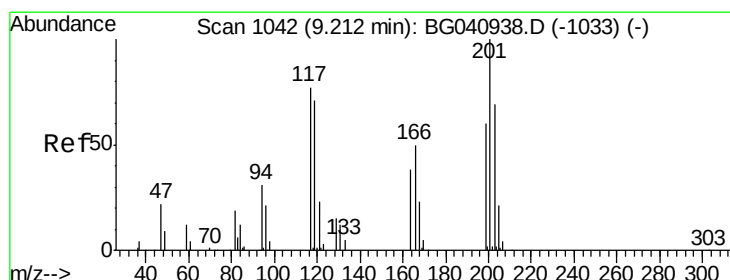
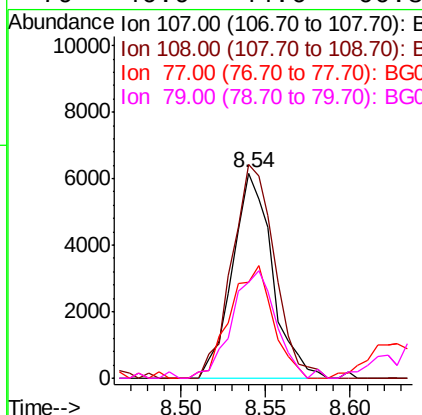
BNA_G

ClientSampleId :

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#18

Hexachloroethane

Concen: 4.765 ng

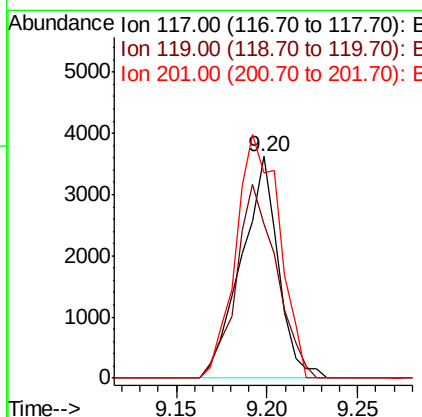
RT: 9.20 min Scan# 1040

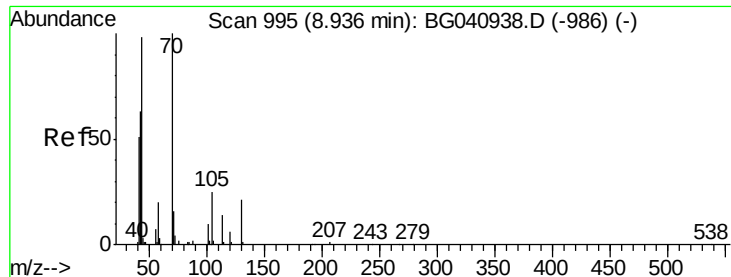
Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	69.3	75.0	112.6#	
201	92.8	103.5	155.3#	





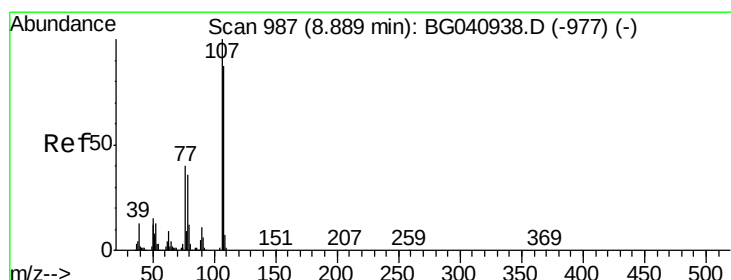
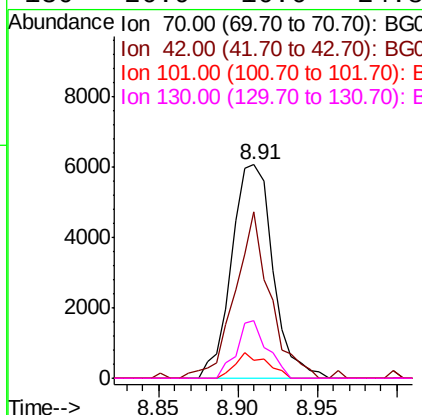
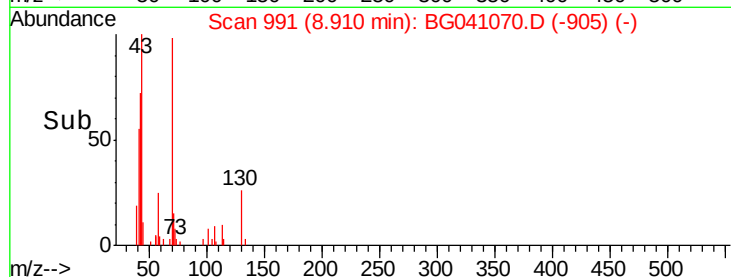
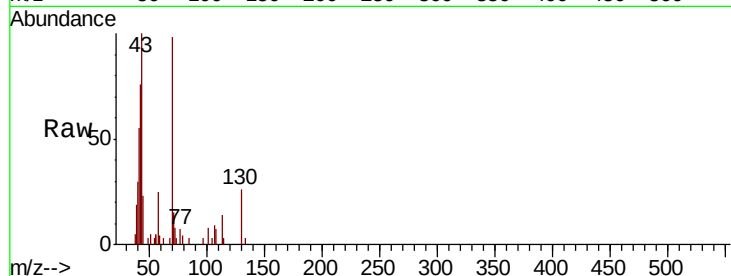
#19
n-Nitroso-di-n-propylamine
Concen: 4.748 ng
RT: 8.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	77.9	51.5	77.3#	
101	8.4	8.1	12.1	
130	26.9	16.6	24.8#	

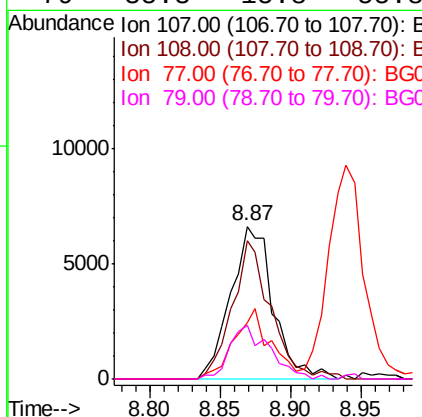
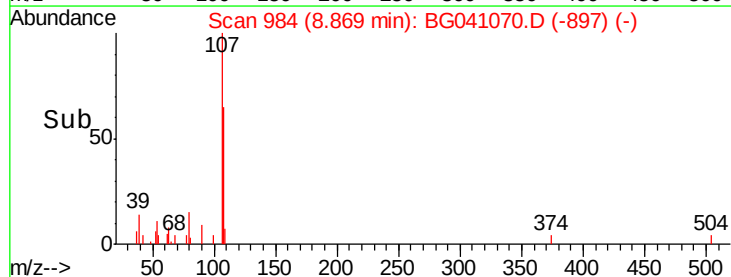
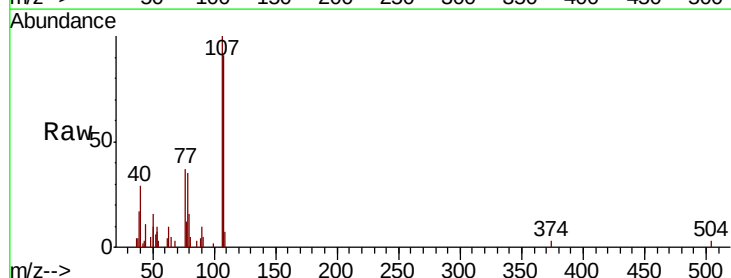
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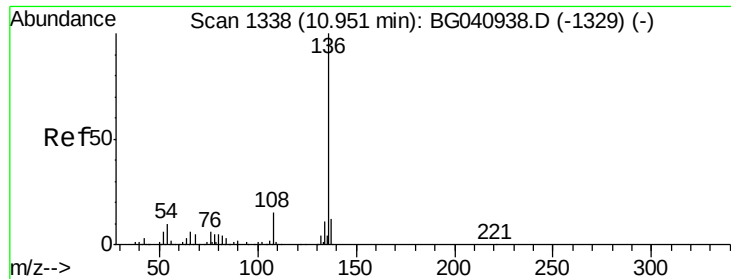
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#20
3+4-Methylphenols
Concen: 4.285 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.8	66.8	106.8	
77	37.0	20.5	60.5	
79	35.3	15.8	55.8	





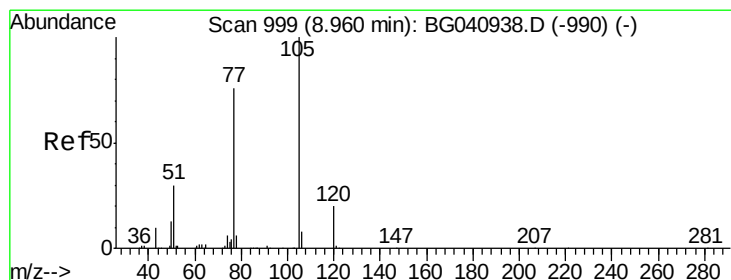
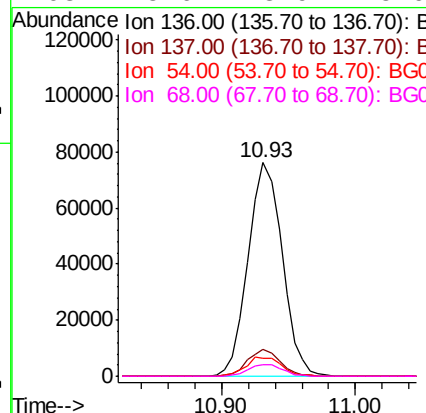
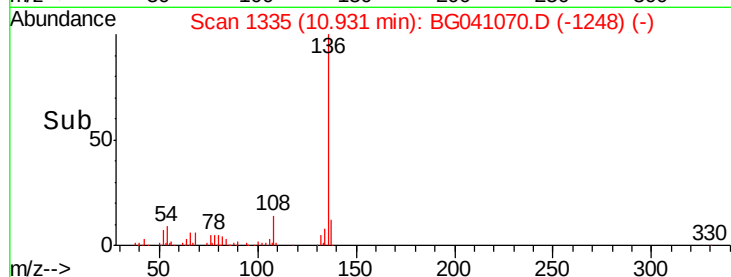
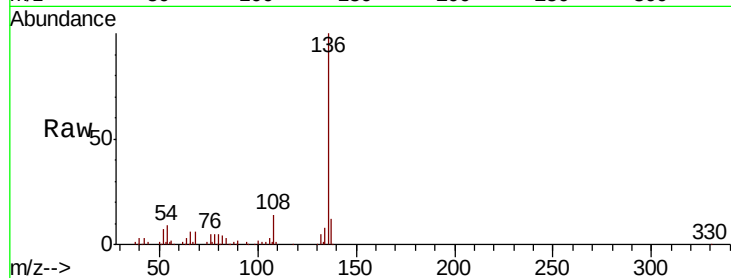
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	134984		
137	12.4		9.5	14.3
54	8.5		7.6	11.4
68	5.6		3.9	5.9

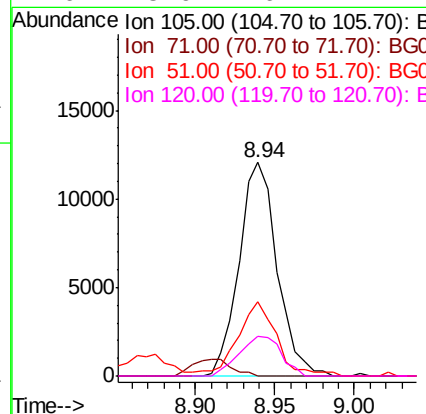
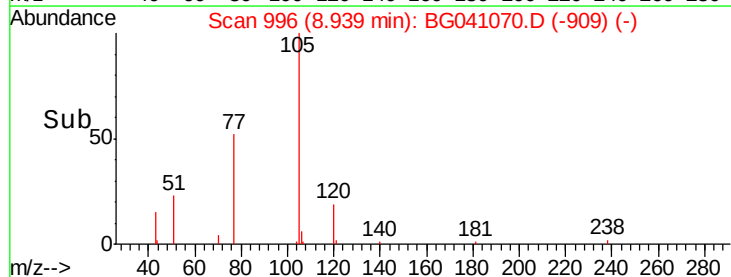
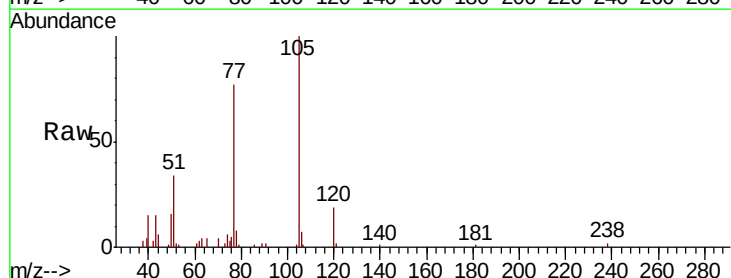
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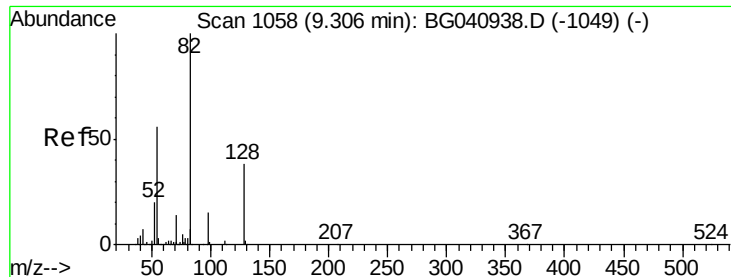
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#22
Acetophenone
Concen: 5.309 ng
RT: 8.94 min Scan# 996
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20102		
71	0.0		0.4	0.6#
51	34.5		27.0	40.6
120	18.9		16.2	24.4





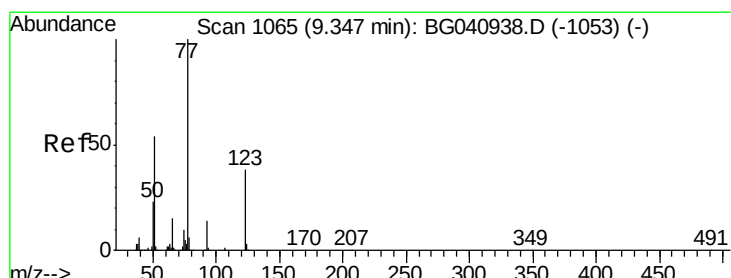
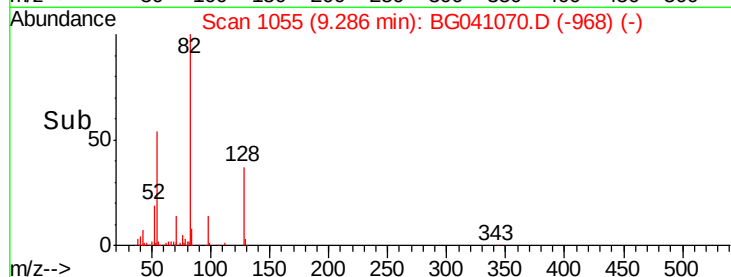
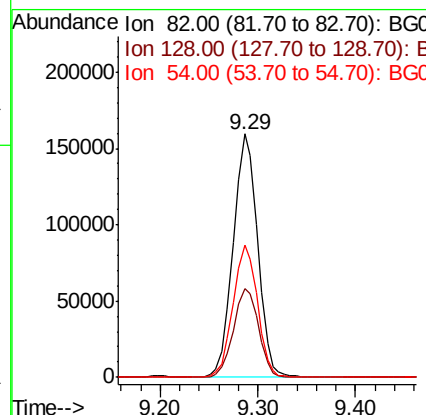
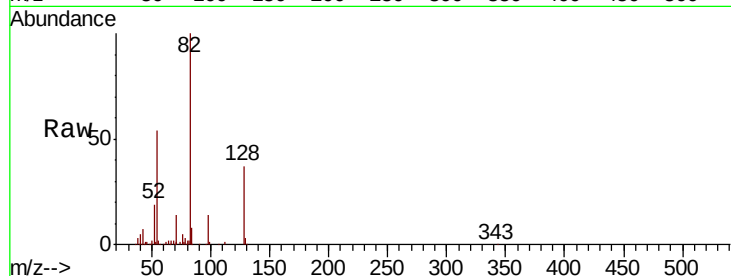
#23
Nitrobenzene-d5
Concen: 91.207 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.5	45.7
54	54.2	44.6	66.8

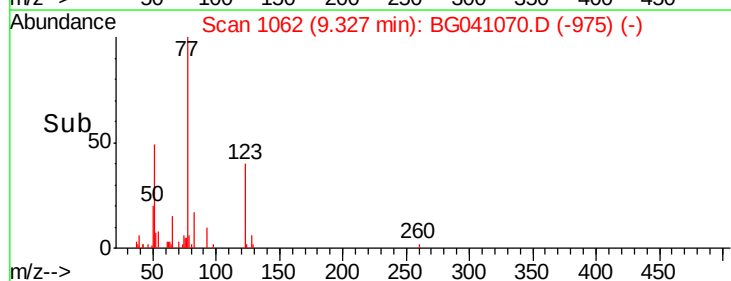
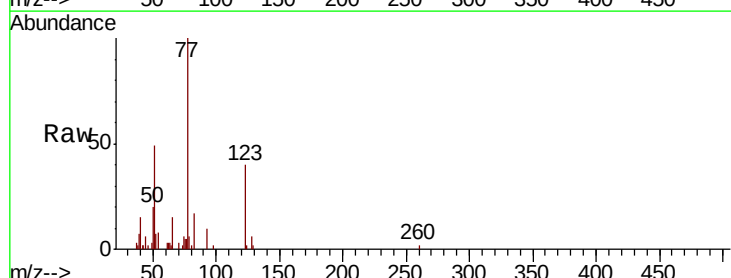
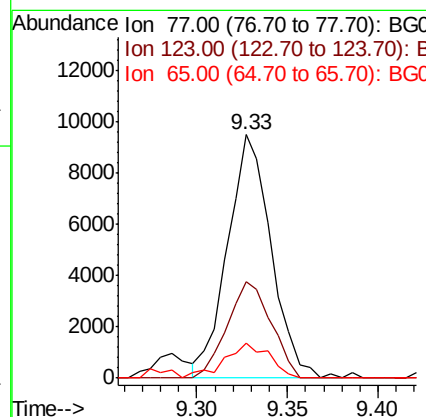
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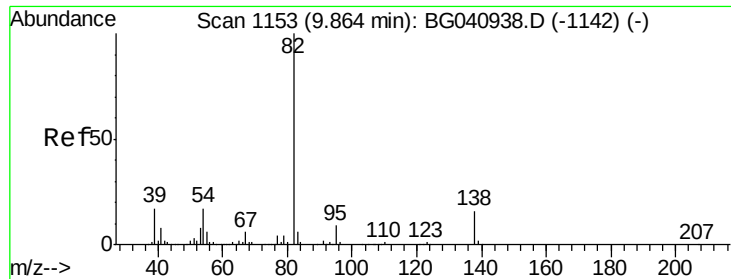
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#24
Nitrobenzene
Concen: 5.091 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.7	30.6	46.0
65	14.5	12.3	18.5





#25

Isophorone

Concen: 4.837 ng

RT: 9.84 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

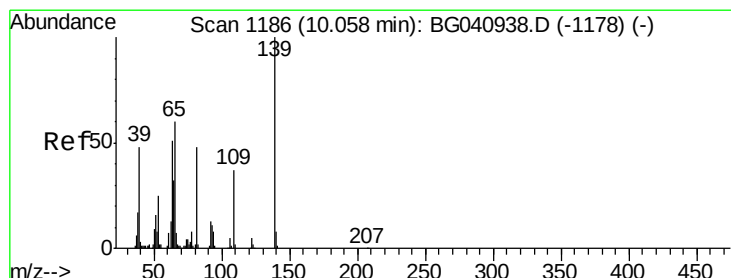
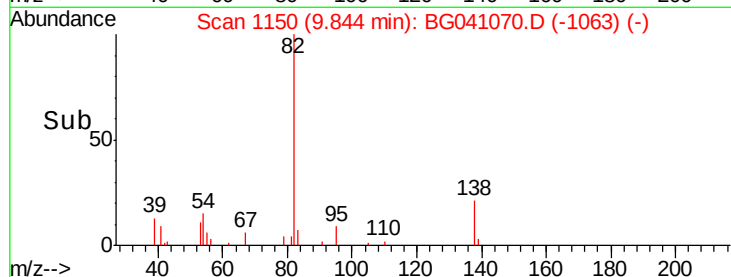
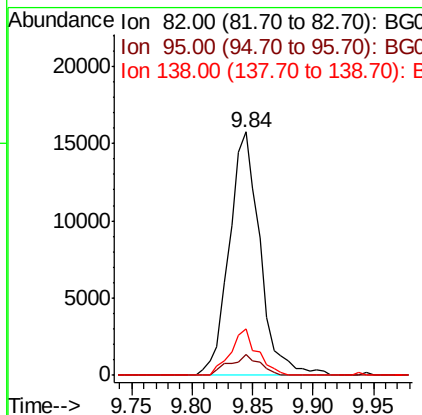
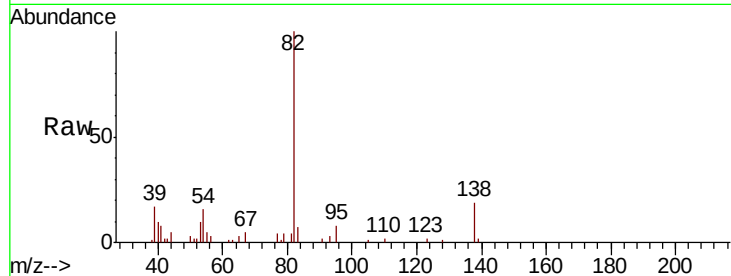
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	82	Resp:	27987
Ion Ratio	Lower	Upper	
82	100		
95	8.4	7.0	10.4
138	19.1	12.6	19.0#

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#26

2-Nitrophenol

Concen: 4.994 ng

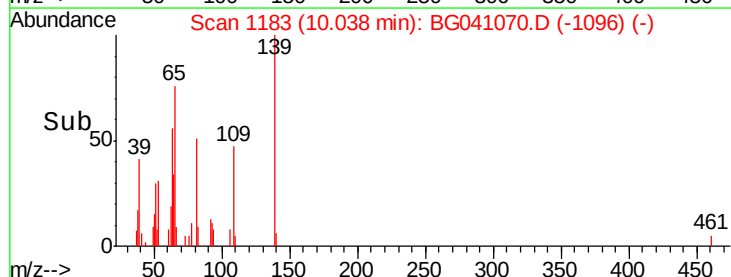
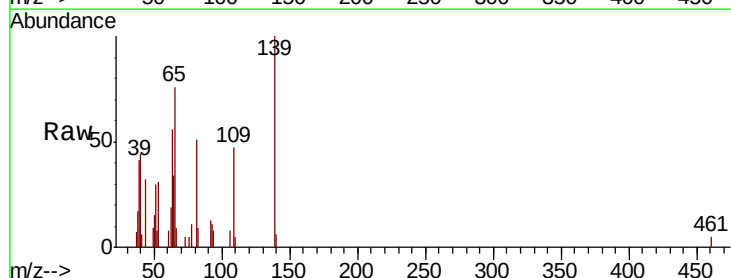
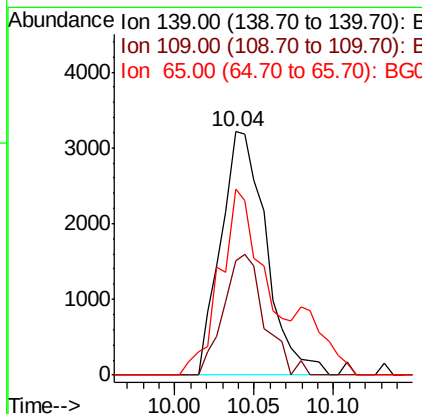
RT: 10.04 min Scan# 1183

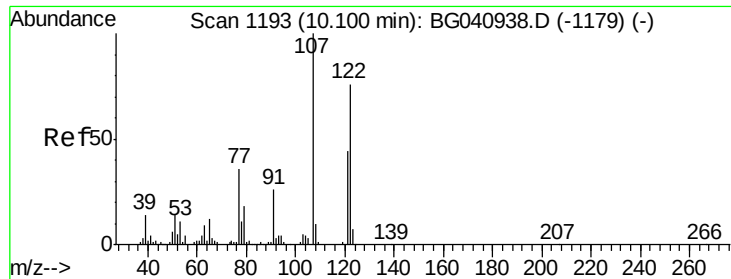
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	139	Resp:	6379
Ion Ratio	Lower	Upper	
139	100		
109	46.9	29.8	44.6#
65	76.2	47.8	71.6#





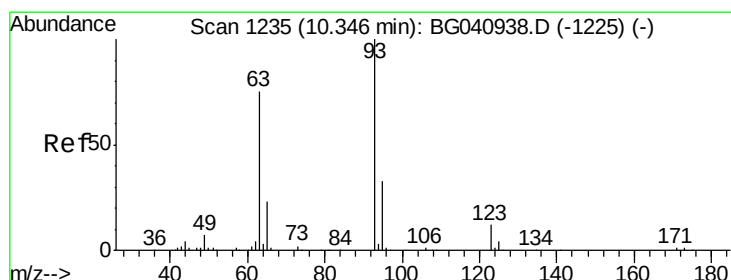
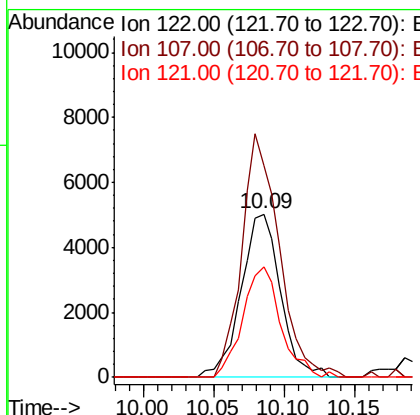
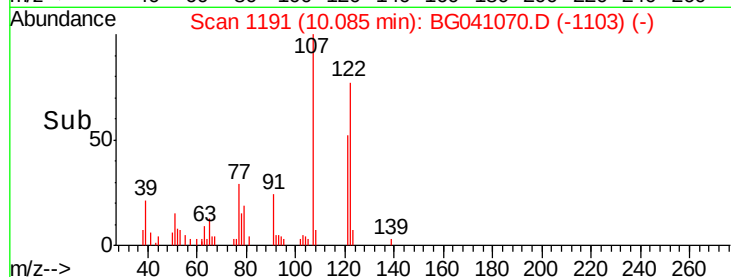
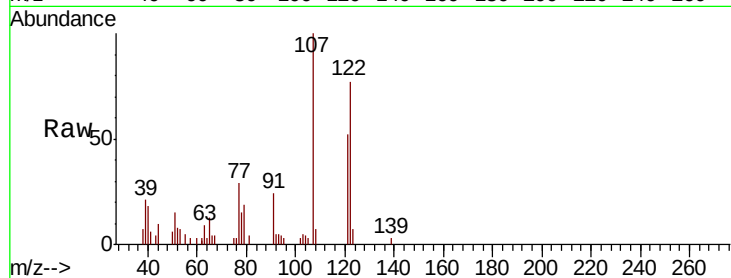
#27
2,4-Dimethylphenol
Concen: 4.647 ng
RT: 10.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	129.8	105.9	158.9
121	67.7	46.2	69.4

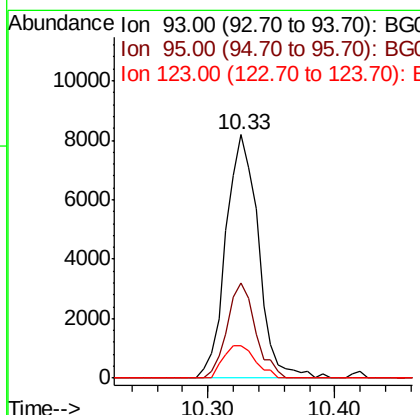
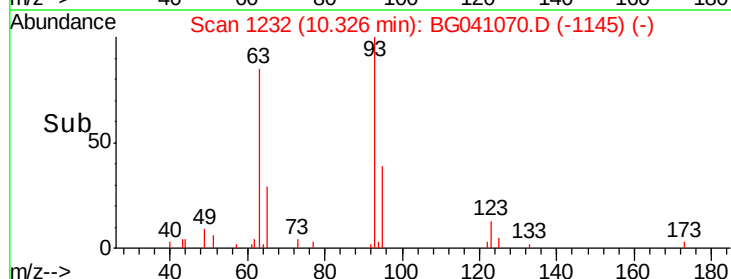
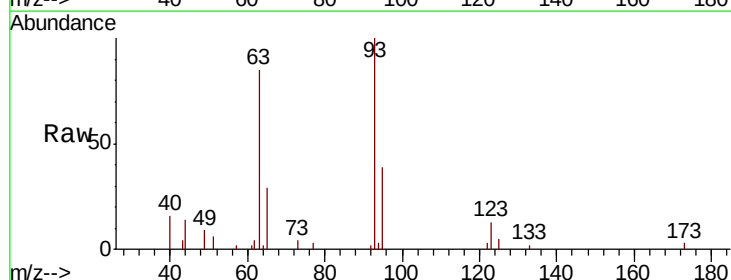
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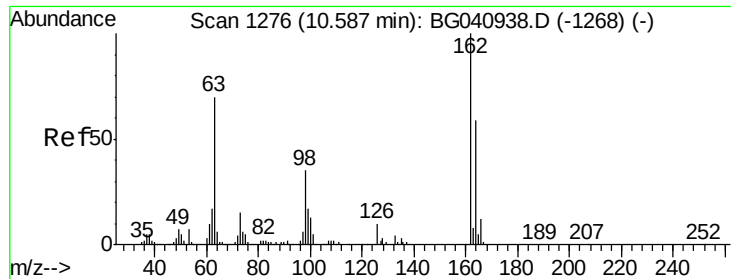
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 4.638 ng
RT: 10.33 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	39.2	26.2	39.2#
123	13.2	9.5	14.3





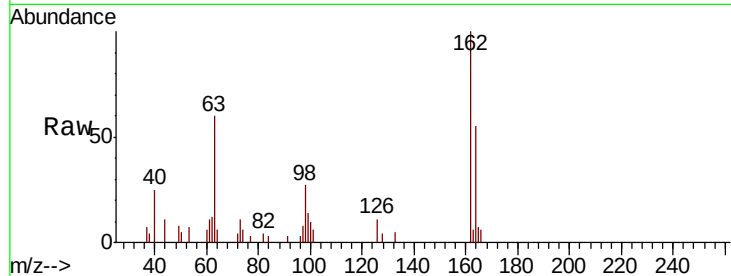
#29
2,4-Dichlorophenol
Concen: 4.758 ng
RT: 10.57 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	55.1	39.4	79.4
98	27.3	15.3	55.3

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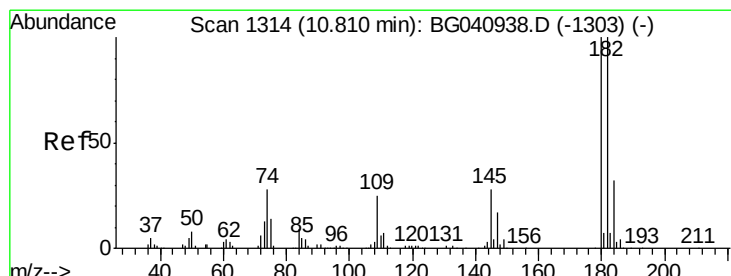
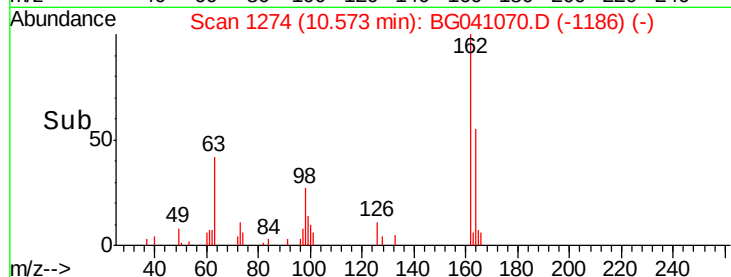
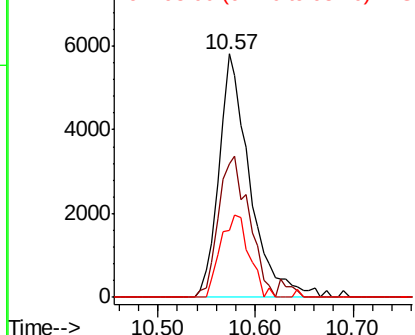


Abundance

Ion 162.00 (161.70 to 162.70): E

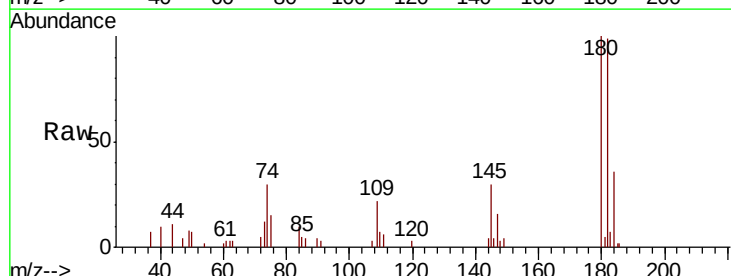
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 4.860 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	79.7	119.5
145	29.8	22.6	34.0

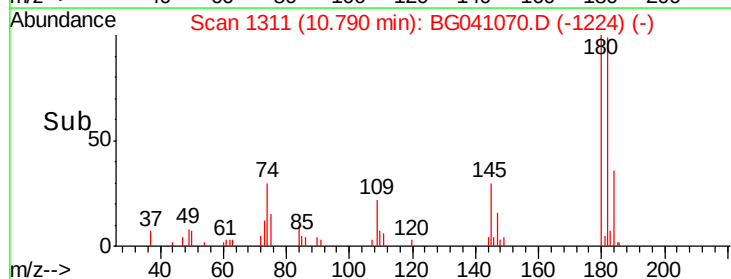
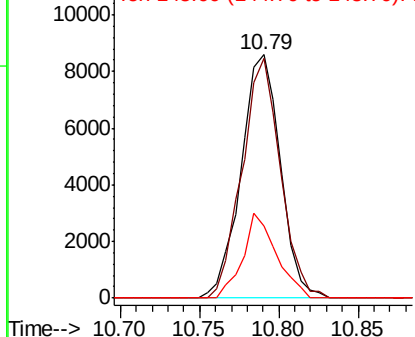


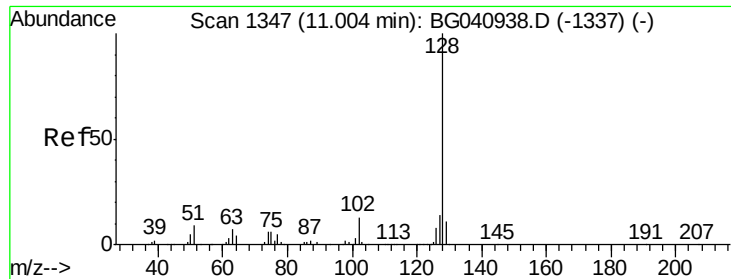
Abundance

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





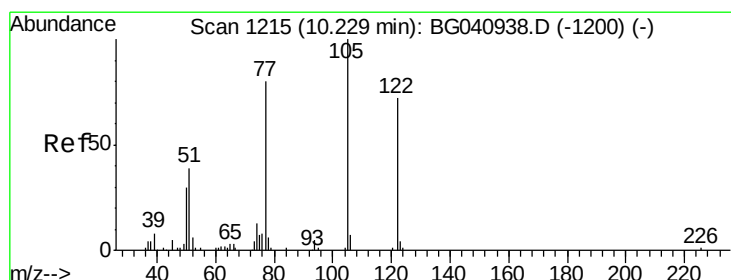
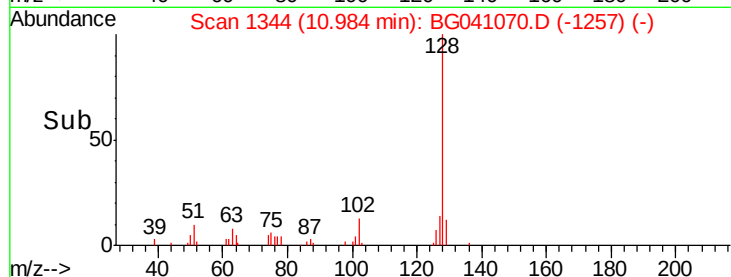
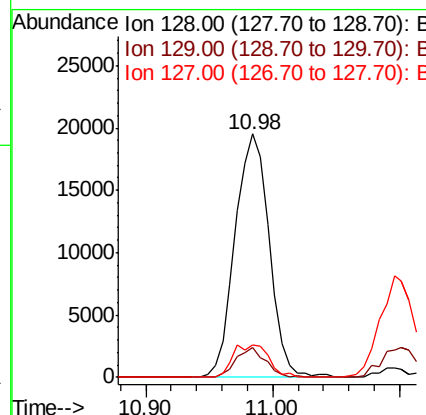
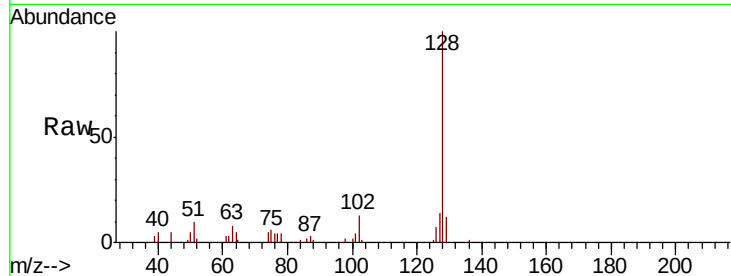
#31
Naphthalene
Concen: 5.020 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.5	12.7
127	13.5	11.4	17.2

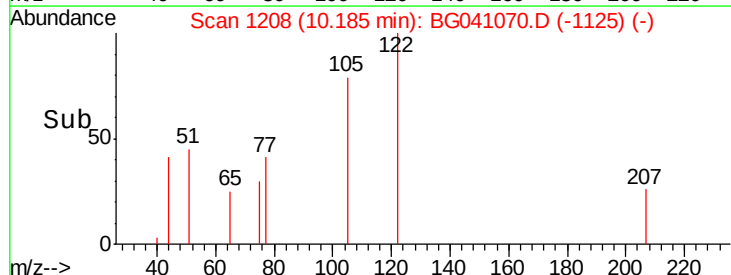
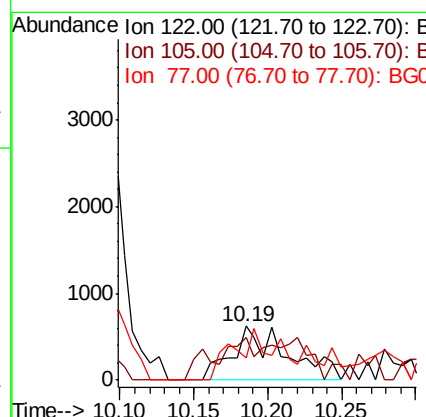
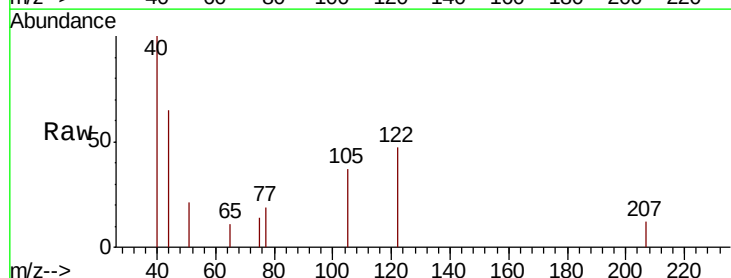
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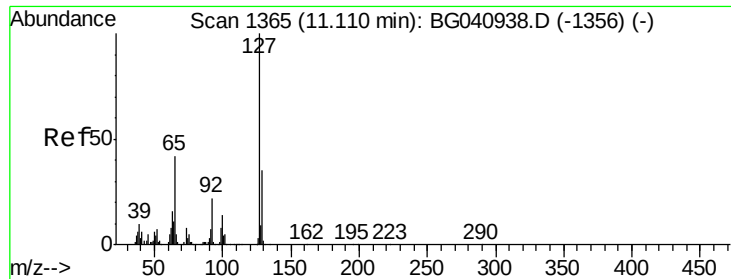
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#32
Benzoic acid
Concen: 8.938 ng m
RT: 10.19 min Scan# 1208
Delta R.T. -0.04 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	79.0	114.8	154.8#
77	41.3	89.9	129.9#





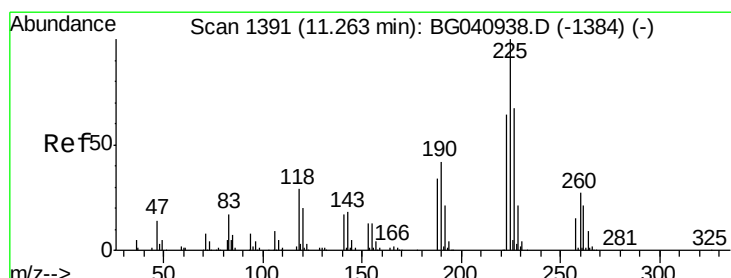
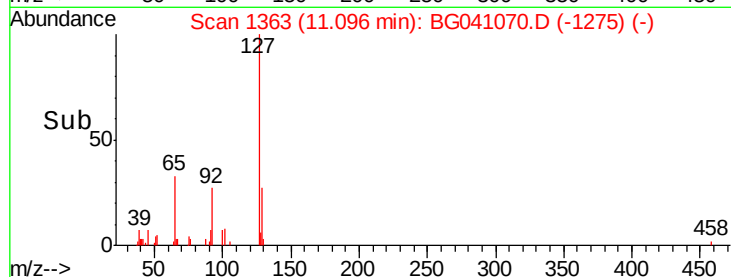
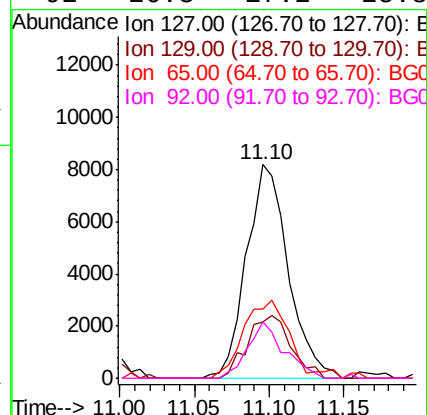
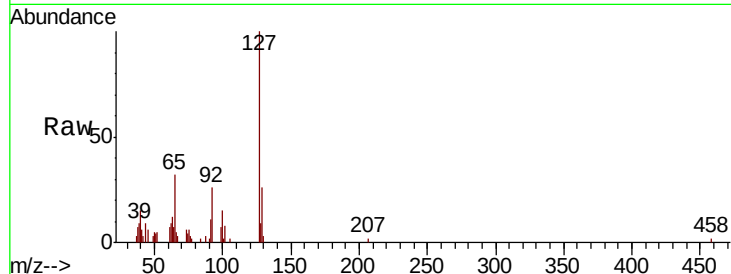
#33
4-Chloroaniline
Concen: 4.728 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	26.2	27.7	41.5#
65	32.1	33.2	49.8#
92	26.3	17.2	25.8#

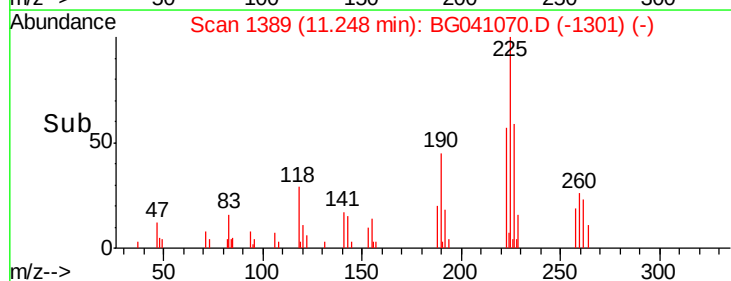
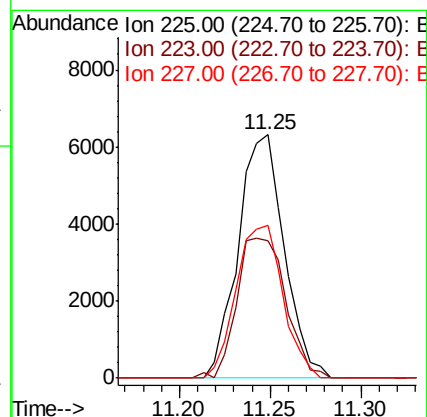
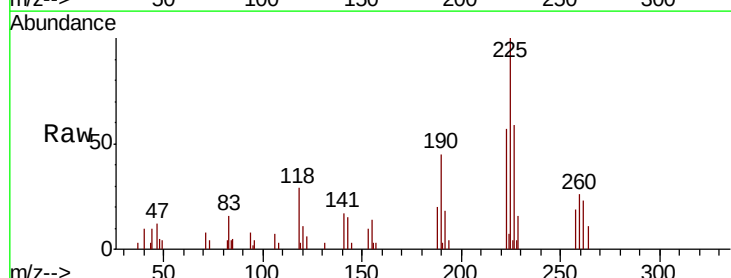
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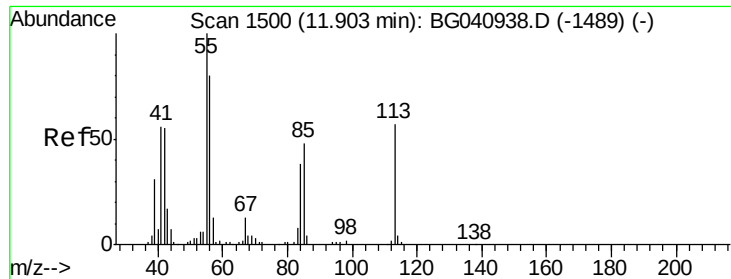
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#34
Hexachlorobutadiene
Concen: 4.780 ng
RT: 11.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.6	48.8	73.2
227	60.6	51.4	77.0





#35

Caprolactam

Concen: 5.117 ng

RT: 11.85 min Scan# 1492

Delta R.T. -0.05 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

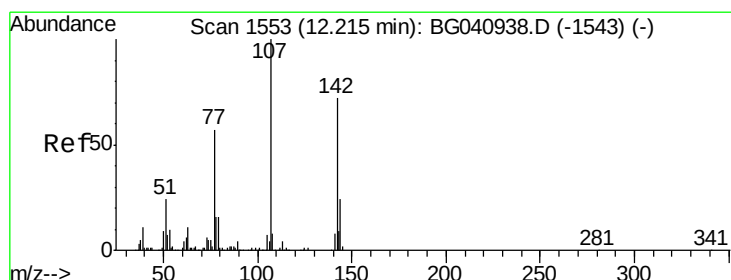
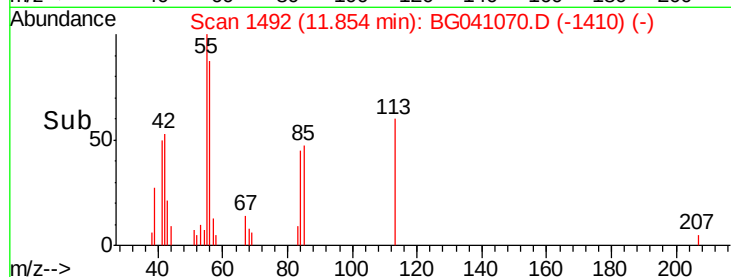
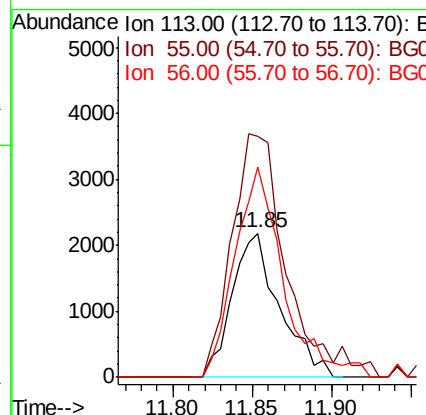
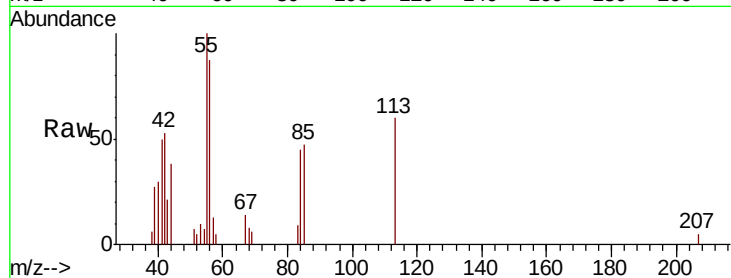
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	113	Resp:	4527
Ion	Ratio	Lower	Upper
113	100		
55	167.6	155.9	195.9
56	146.3	119.9	159.9

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 4.496 ng

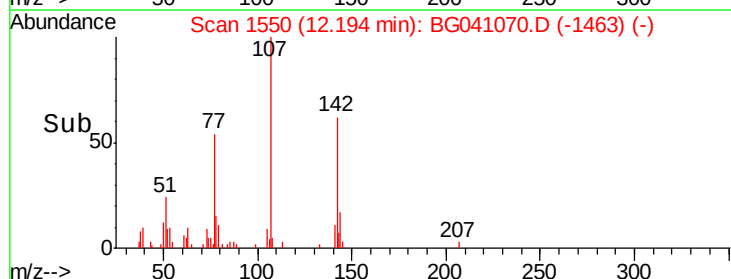
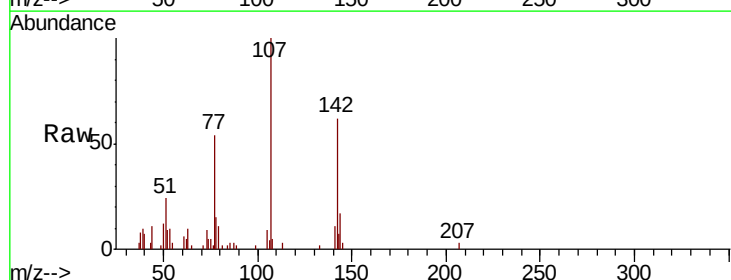
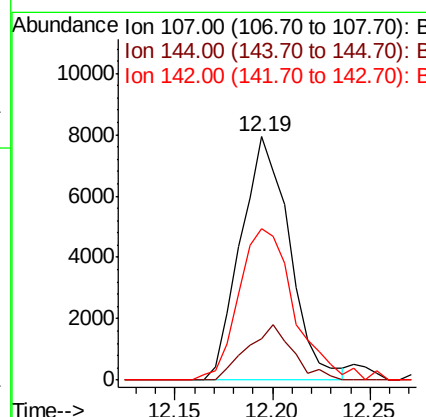
RT: 12.19 min Scan# 1550

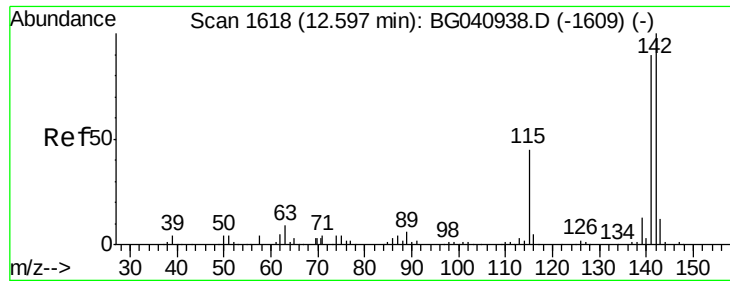
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	107	Resp:	13757
Ion	Ratio	Lower	Upper
107	100		
144	17.2	19.4	29.0#
142	62.1	57.3	85.9





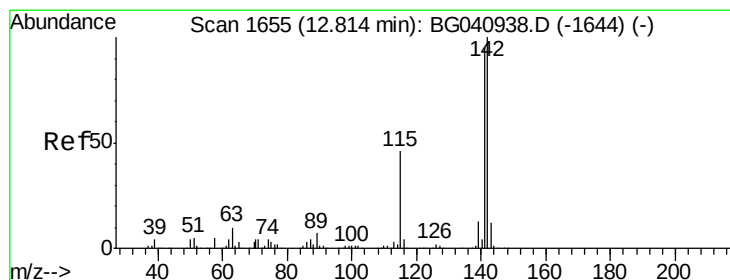
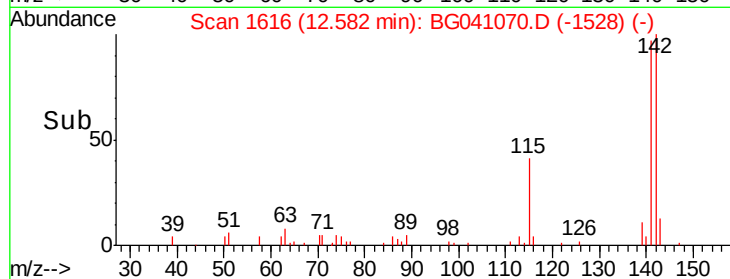
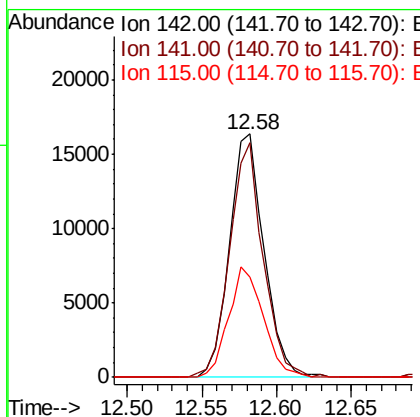
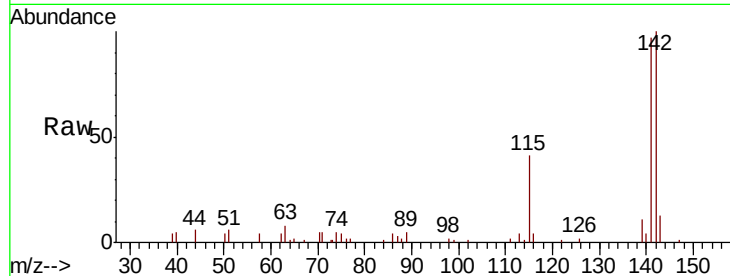
#37
2-Methylnaphthalene
Concen: 4.735 ng
RT: 12.58 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.5	72.2	108.4
115	40.9	36.2	54.4

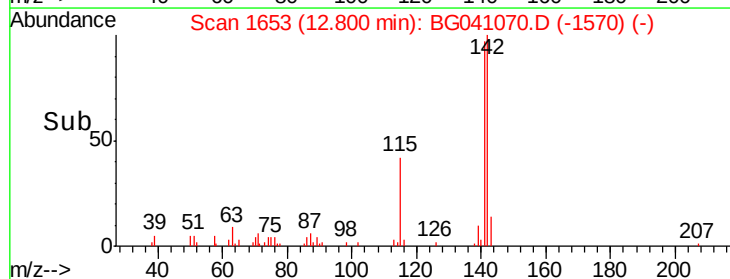
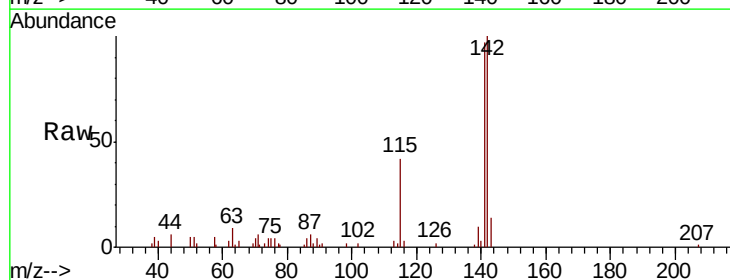
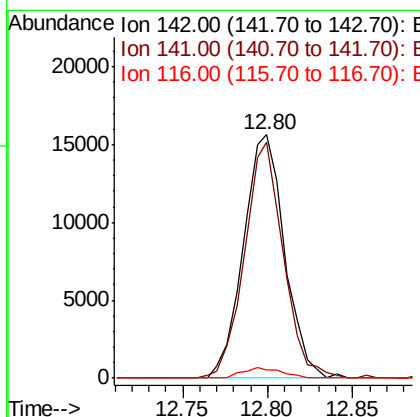
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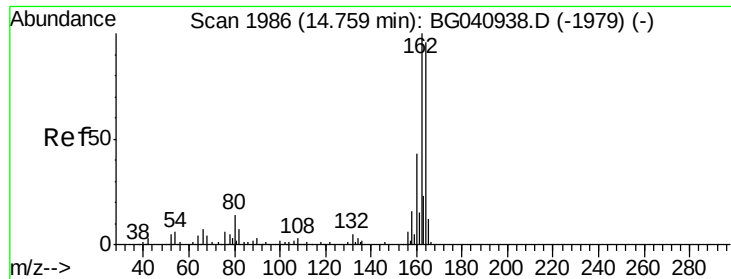
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#38
1-Methylnaphthalene
Concen: 5.001 ng m
RT: 12.80 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.7	75.7	113.5
116	3.2	3.4	5.2#





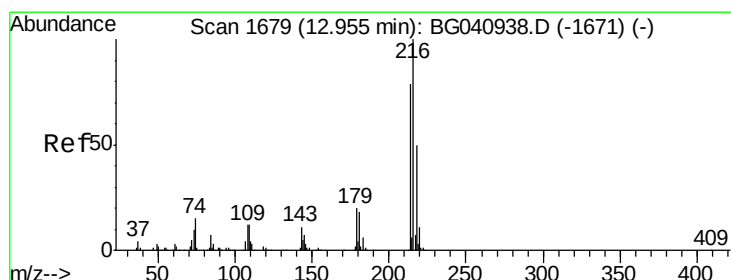
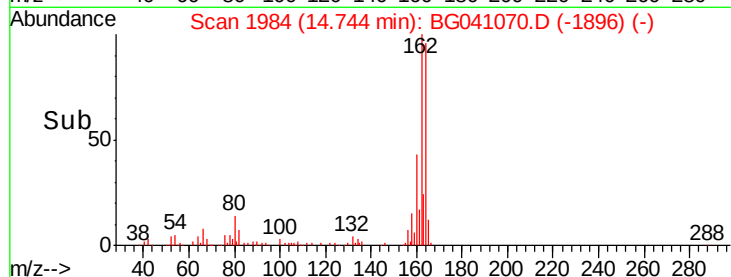
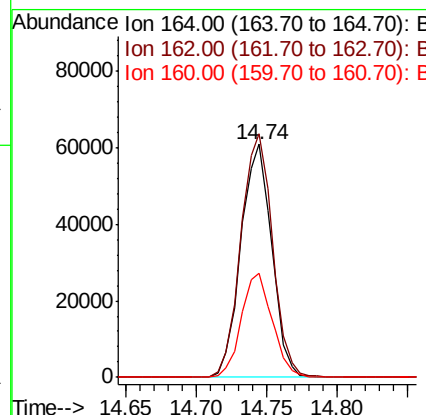
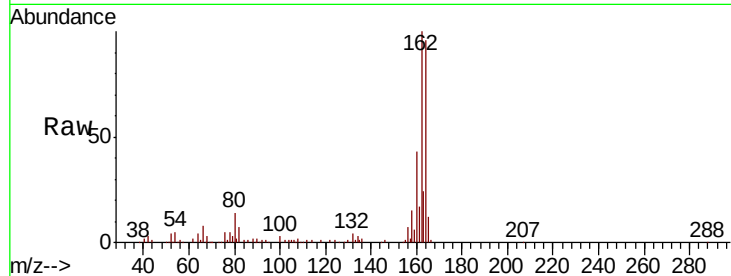
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.0	124.4
160	44.6	35.6	53.4

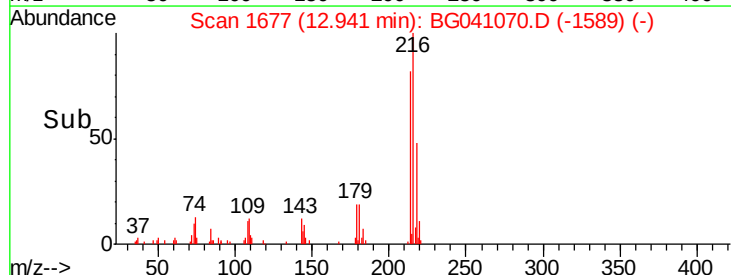
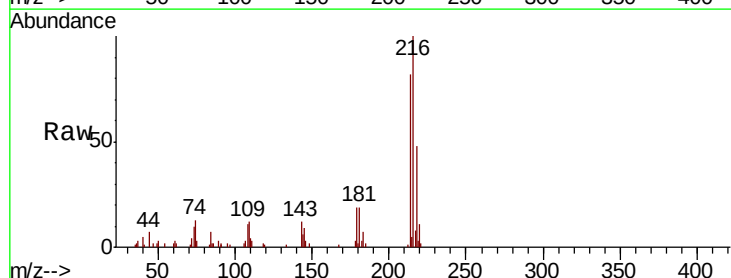
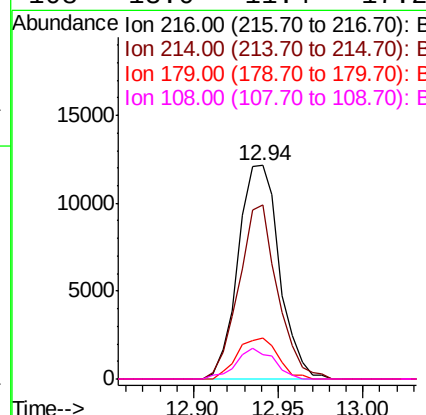
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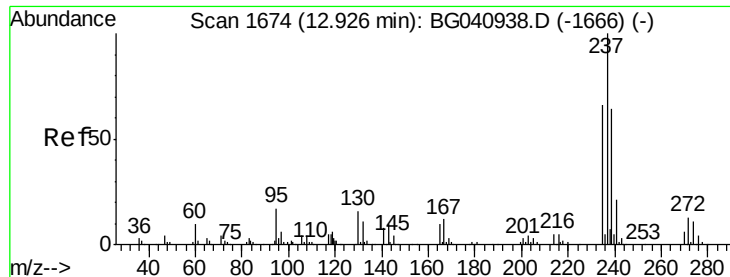
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.499 ng
RT: 12.94 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.5	63.4	95.2
179	18.8	15.2	22.8
108	13.0	11.4	17.2





#41

Hexachlorocyclopentadiene

Concen: 11.306 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

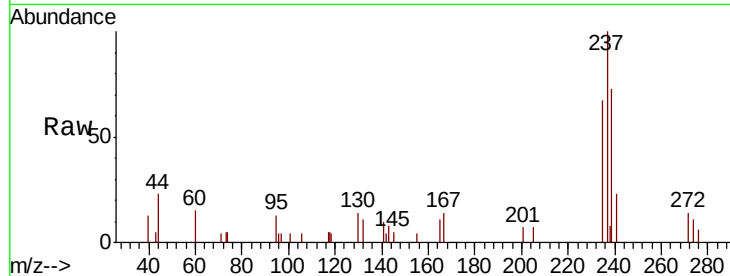
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

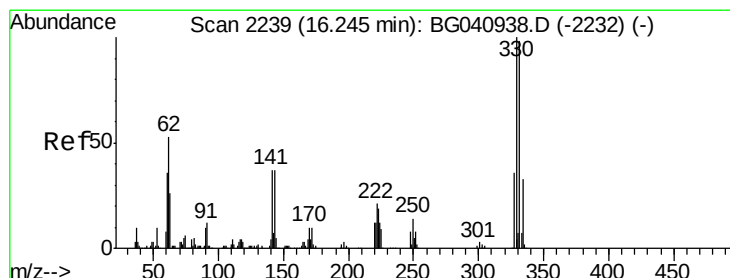
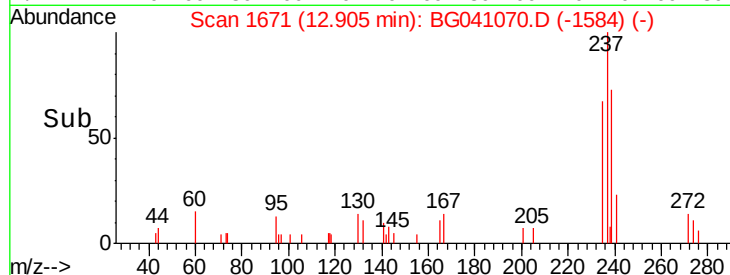
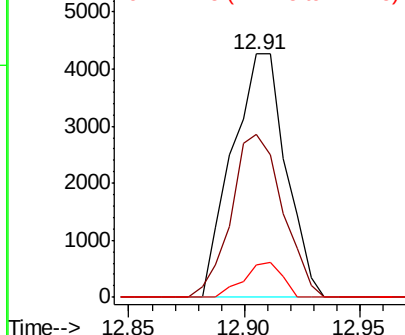
Tot Ion:	237	Resp:	6902
Ion Ratio	Lower	Upper	
237	100		
235	66.8	45.5	85.5
272	13.5	0.0	32.9

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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: 156.663 ng

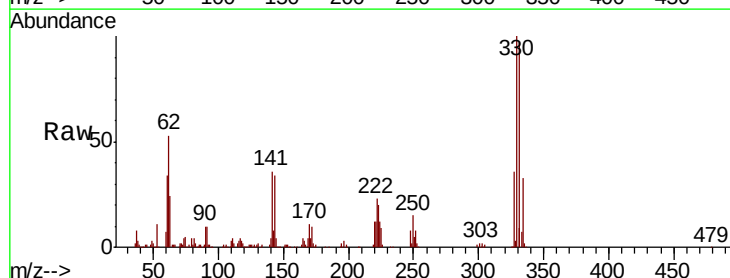
RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

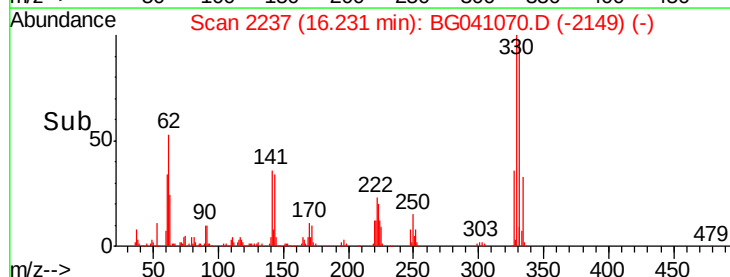
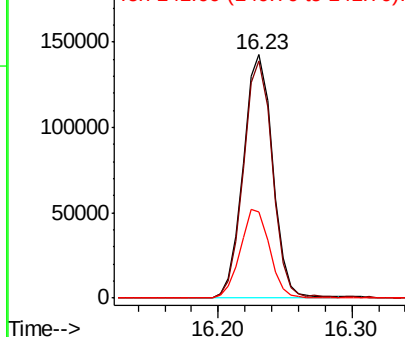
Lab File: BG041070.D

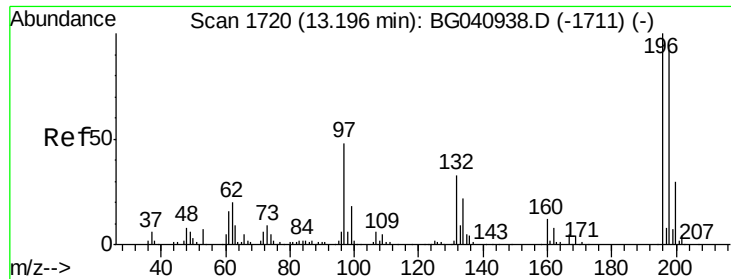
Acq: 5 Jun 2019 13:40

Tgt Ion:	330	Resp:	216441
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.5	117.7
141	36.5	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





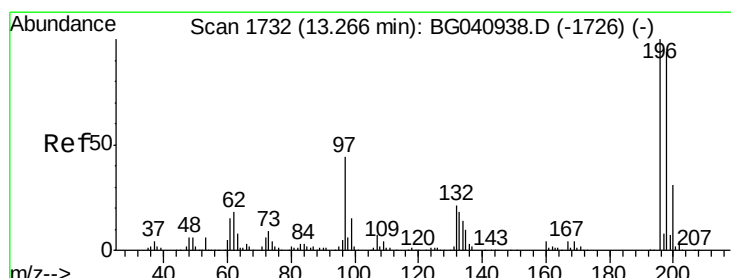
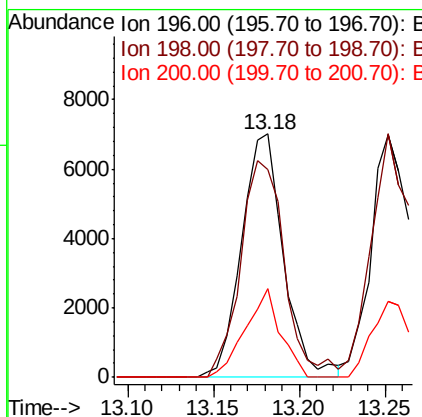
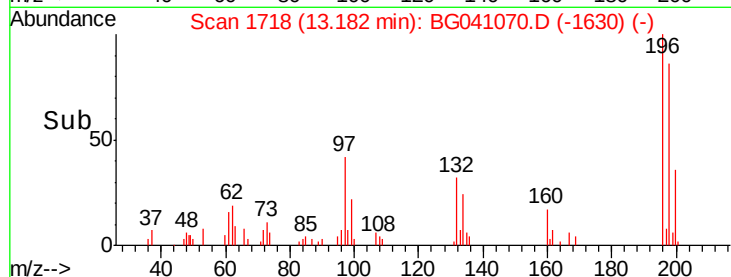
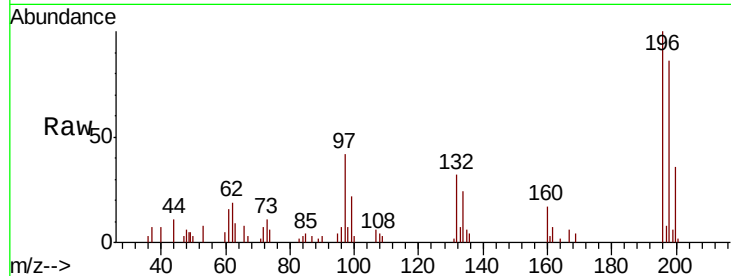
#43
 2,4,6-Trichlorophenol
 Concen: 4.891 ng m
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	85.6	73.8	110.6
200	36.4	24.1	36.1

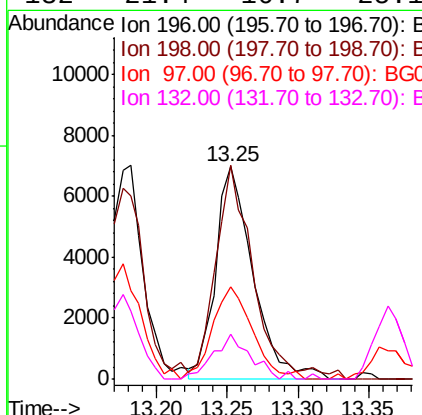
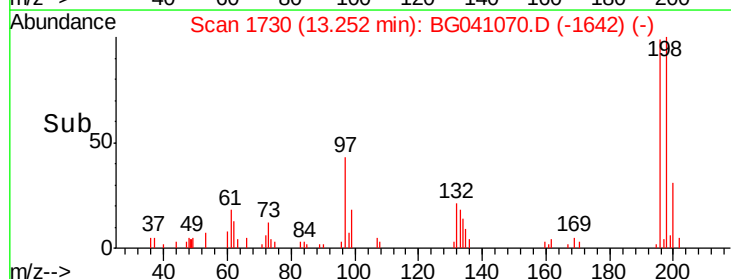
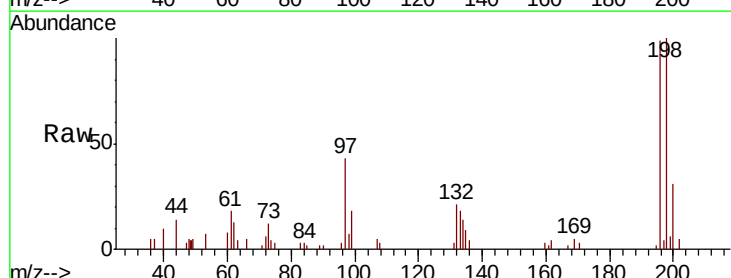
Manual Integrations
 APPROVED

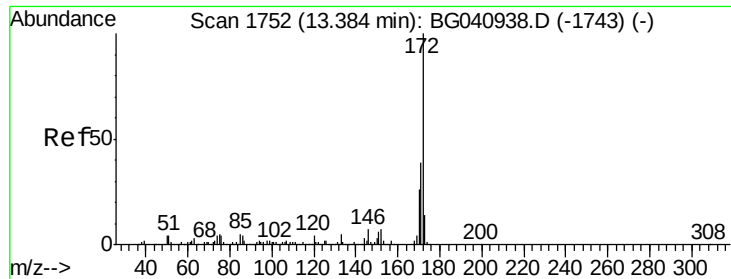
mohammad
 6/6/2019 3:42:13 PM



#44
 2,4,5-Trichlorophenol
 Concen: 5.033 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.7	75.1	112.7
97	43.6	35.6	53.4
132	21.4	16.7	25.1





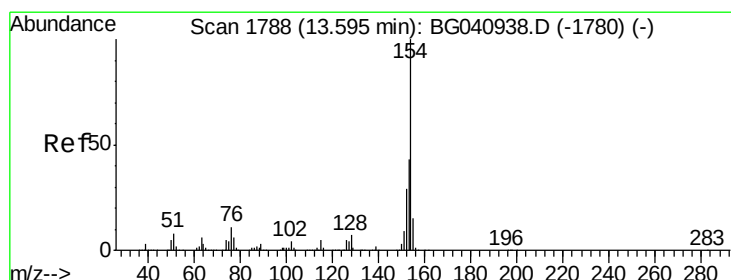
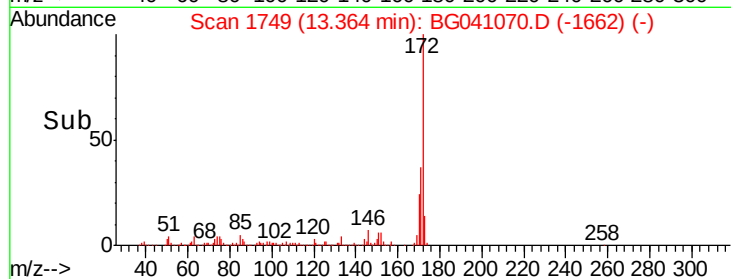
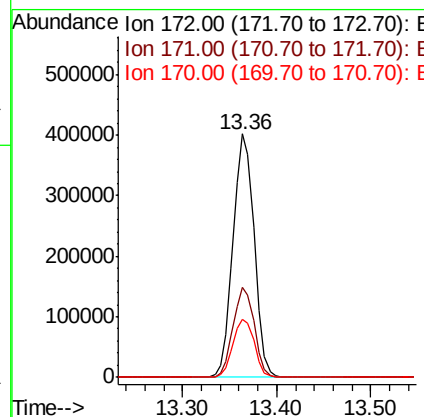
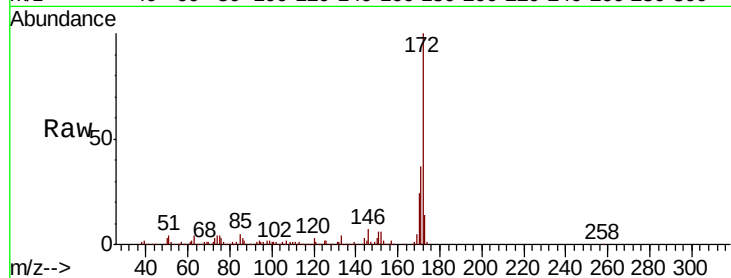
#45
2-Fluorobiphenyl
Concen: 96.888 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.1	46.7
170	23.9	20.5	30.7

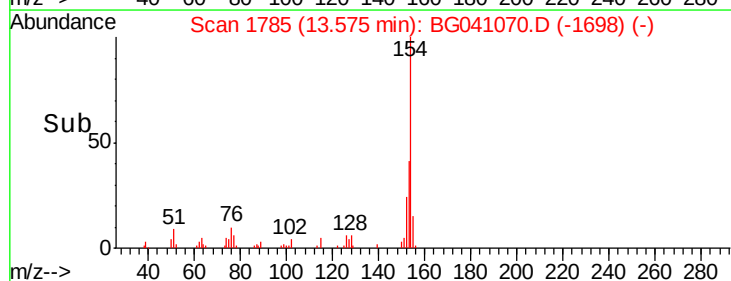
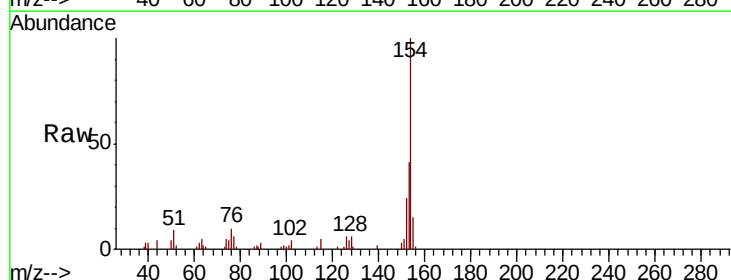
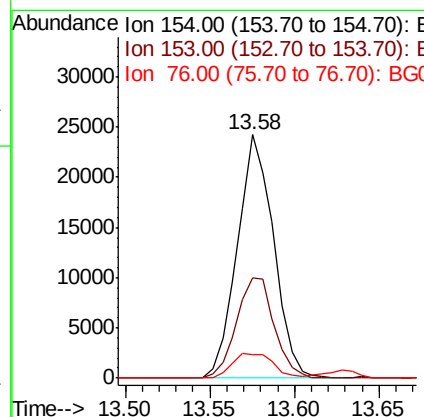
Manual Integrations
APPROVED

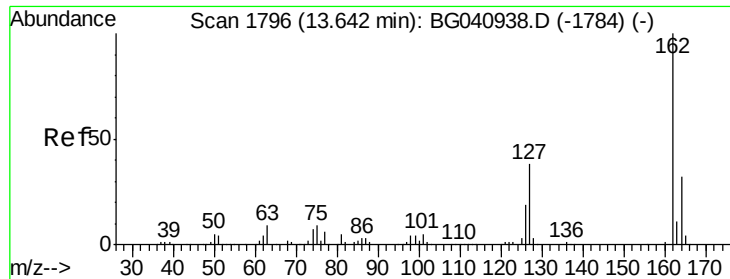
mohammad
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#46
1,1'-Biphenyl
Concen: 5.253 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	23.3	63.3
76	9.7	0.0	31.1





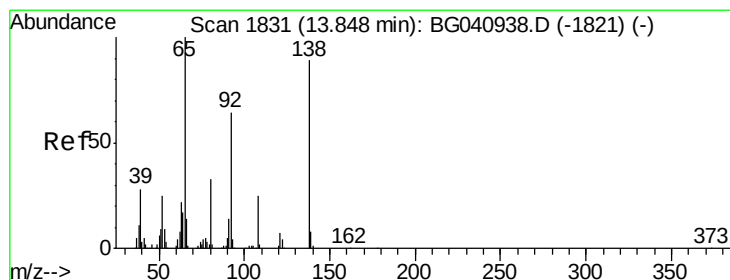
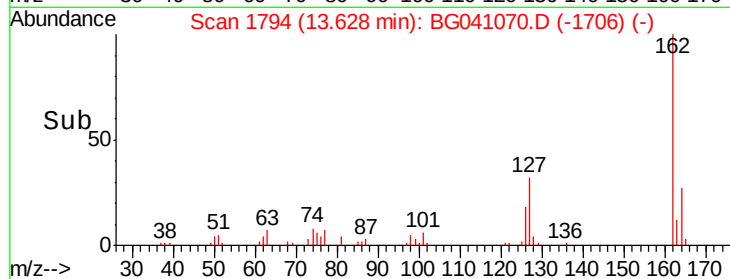
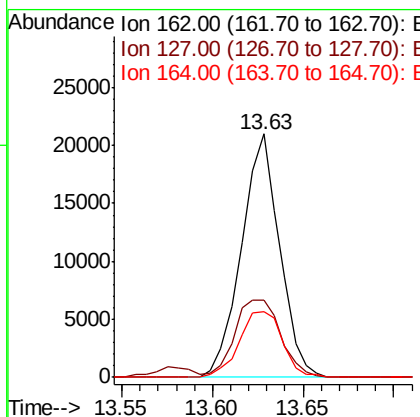
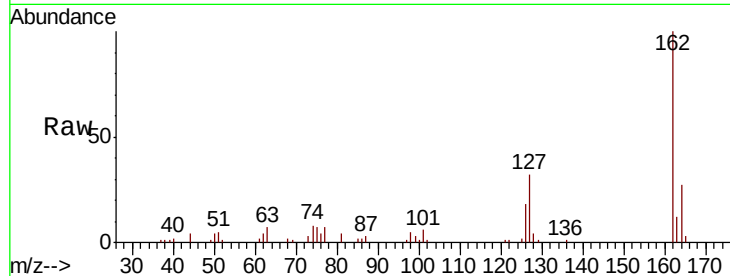
#47
 2-Chloronaphthalene
 Concen: 5.191 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	31.7	30.5	45.7
164	27.2	25.8	38.6

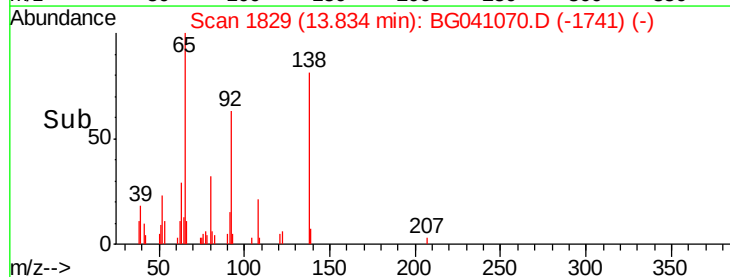
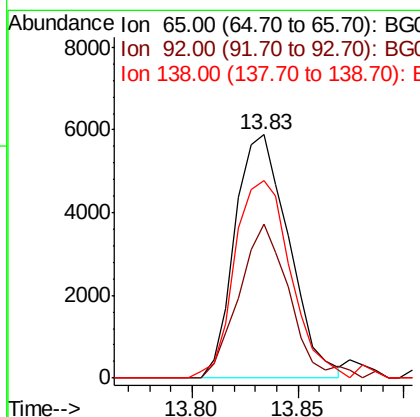
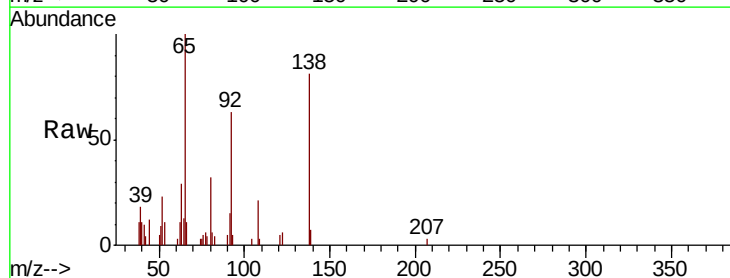
Manual Integrations
 APPROVED

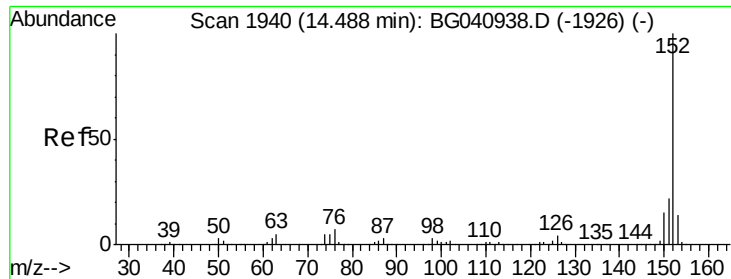
mohammad
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#48
 2-Nitroaniline
 Concen: 4.911 ng
 RT: 13.83 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.2	51.0	76.6
138	81.1	71.2	106.8





#49

Acenaphthylene

Concen: 5.259 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

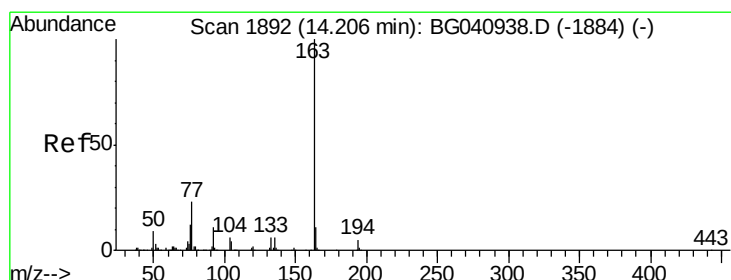
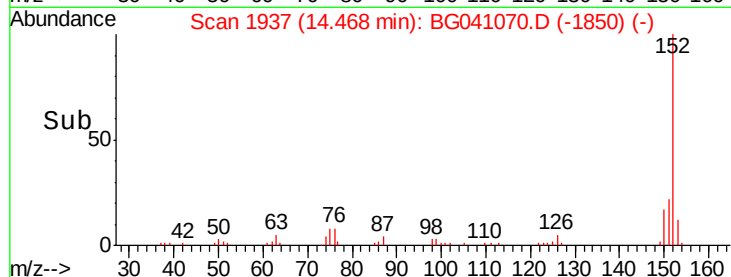
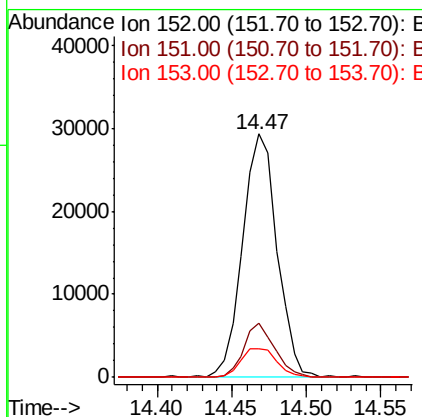
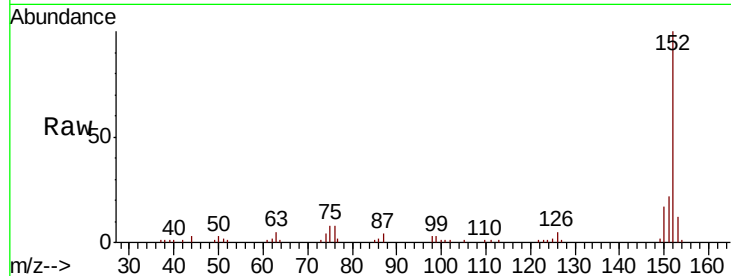
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	152	Resp:	46811
Ion Ratio	Lower	Upper	
152	100		
151	22.5	17.4	26.0
153	11.8	11.0	16.4

Manual Integrations
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#50

Dimethylphthalate

Concen: 5.041 ng

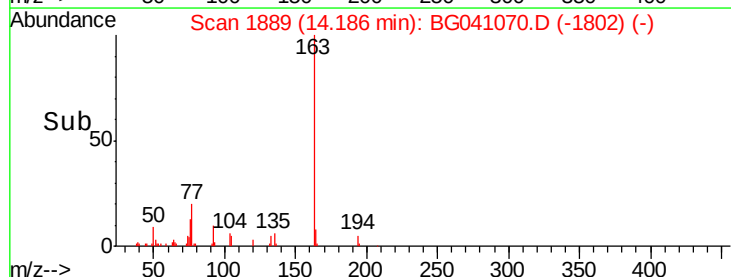
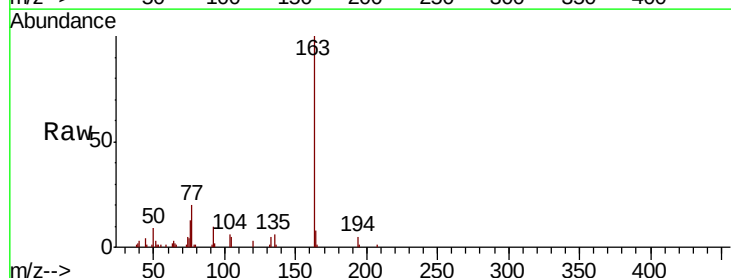
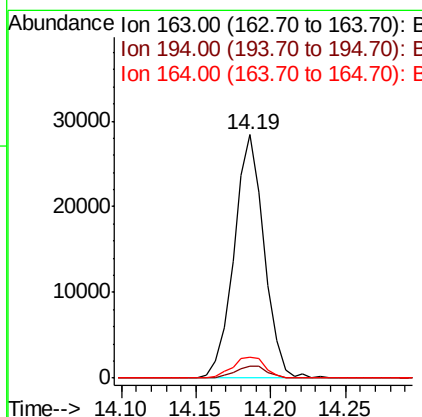
RT: 14.19 min Scan# 1889

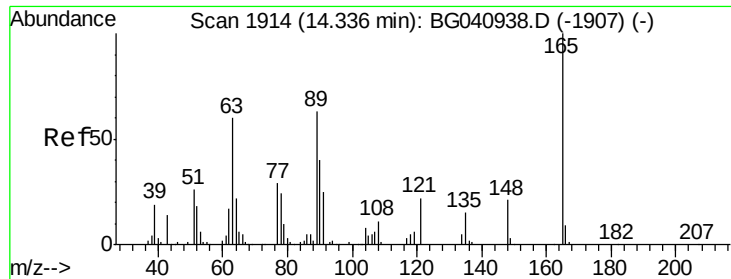
Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	163	Resp:	39714
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.8	5.8
164	8.3	8.7	13.1#





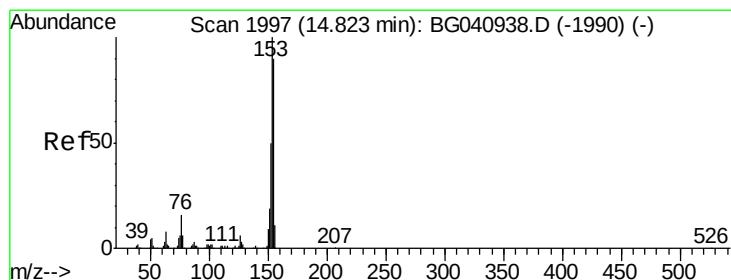
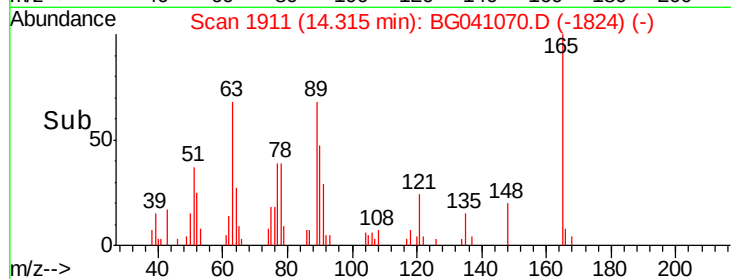
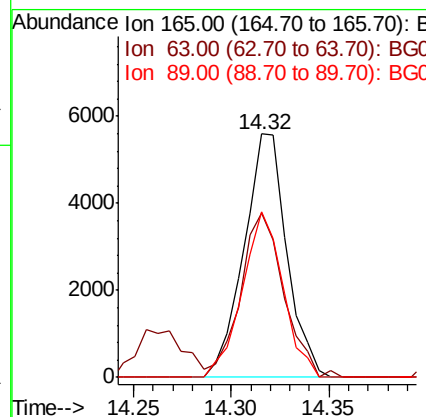
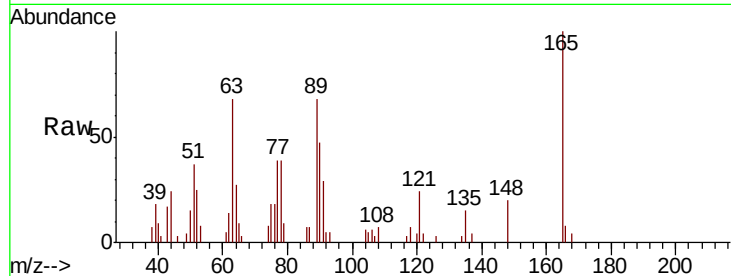
#51
2,6-Dinitrotoluene
Concen: 5.005 ng
RT: 14.32 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	67.7	53.6	80.4
89	68.2	50.4	75.6

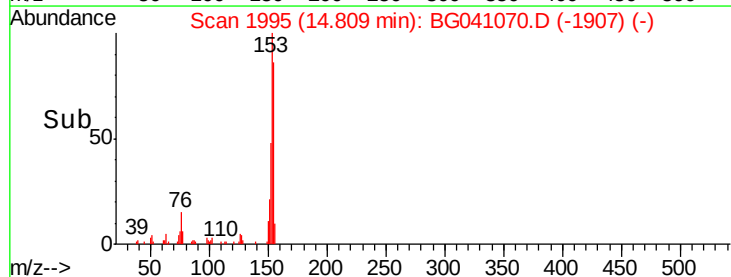
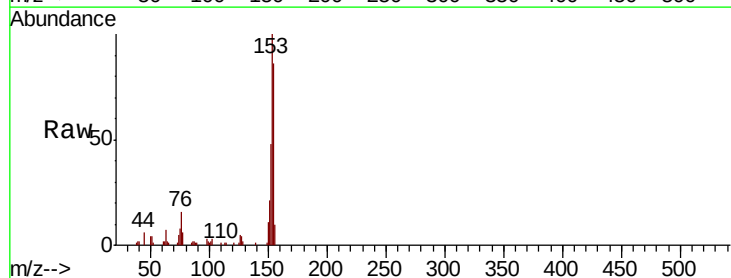
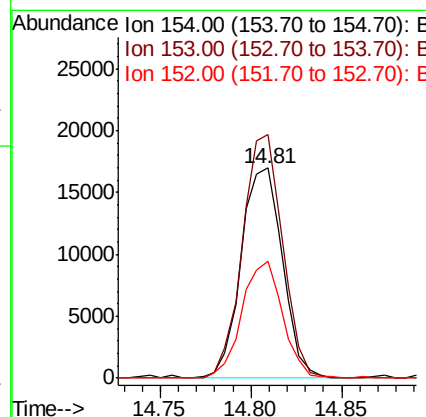
Manual Integrations
APPROVED

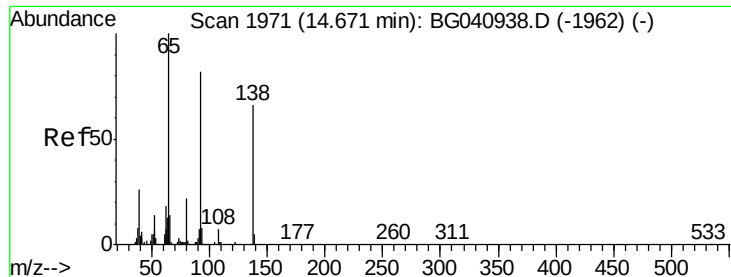
mohammad
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#52
Acenaphthene
Concen: 5.013 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.9	88.6	133.0
152	55.9	44.2	66.4





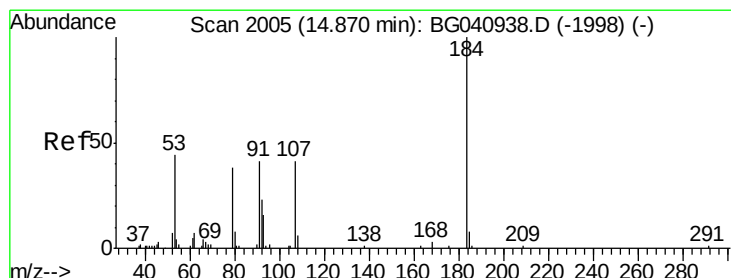
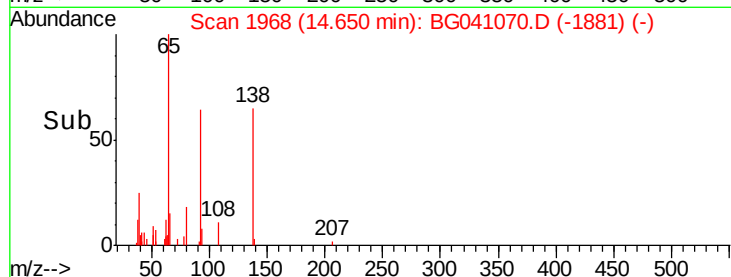
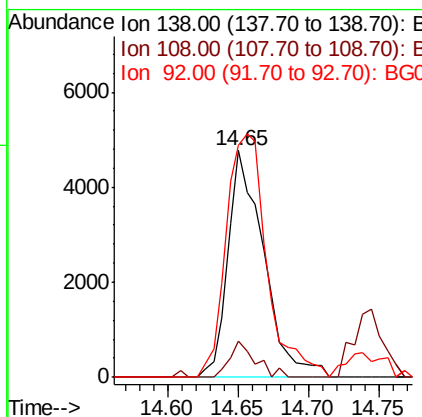
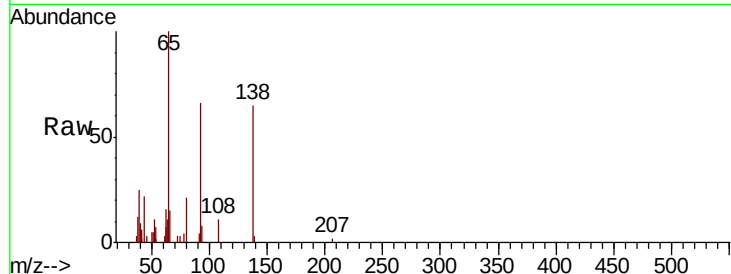
#53
3-Nitroaniline
Concen: 4.975 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	16.3	8.5	12.7#
92	102.2	99.0	148.6

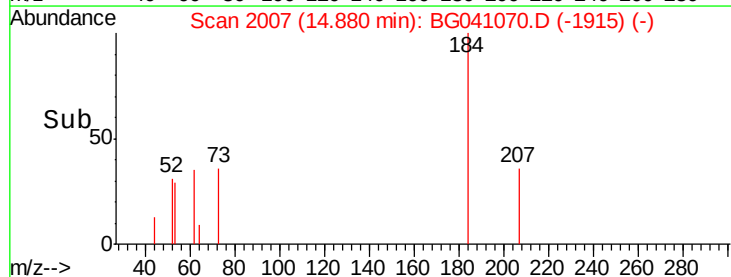
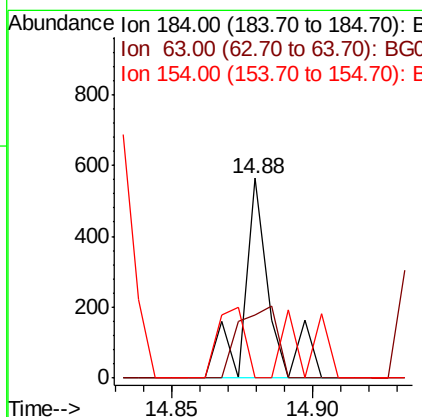
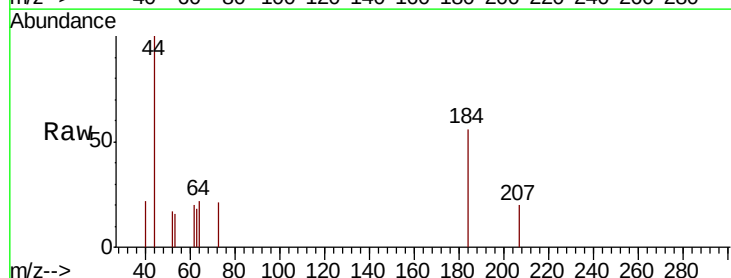
Manual Integrations
APPROVED

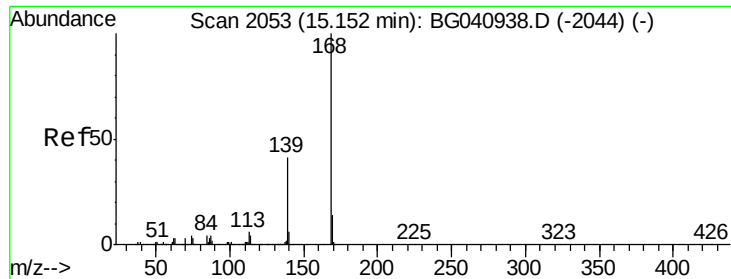
mohammad
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#54
2,4-Dinitrophenol
Concen: 8.780 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	31.4	49.8	74.6#
154	0.0	52.2	78.4#





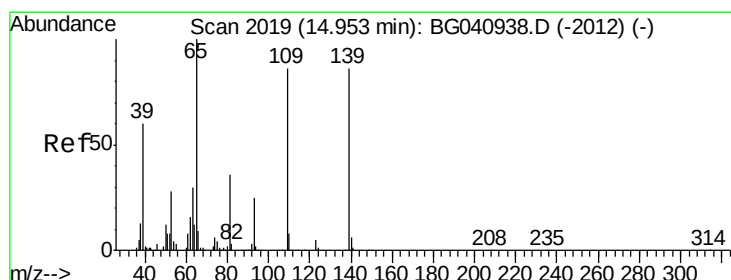
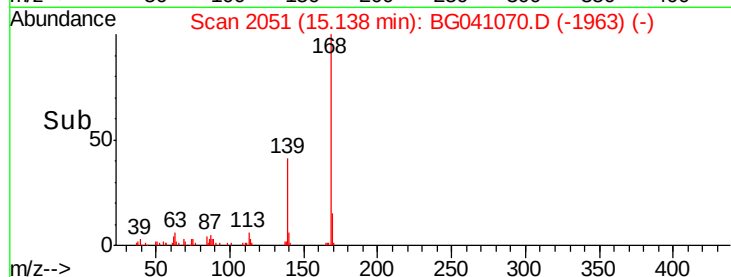
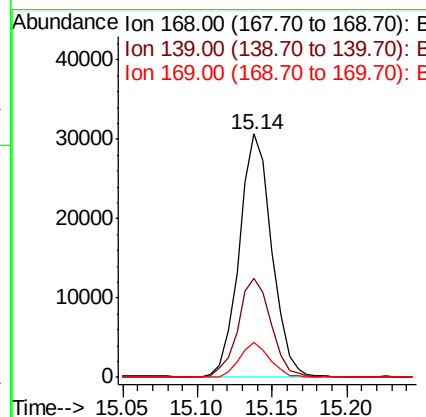
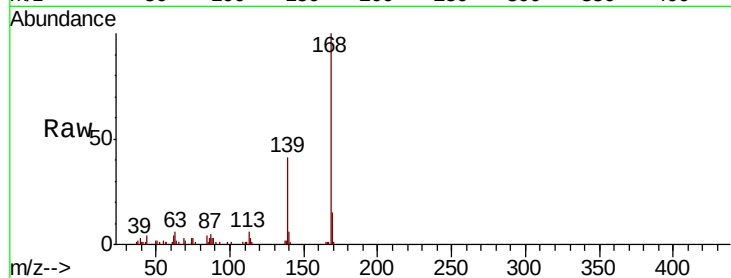
#55
Dibenzenofuran
Concen: 5.122 ng
RT: 15.14 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.8	32.8	49.2
169	14.6	11.3	16.9

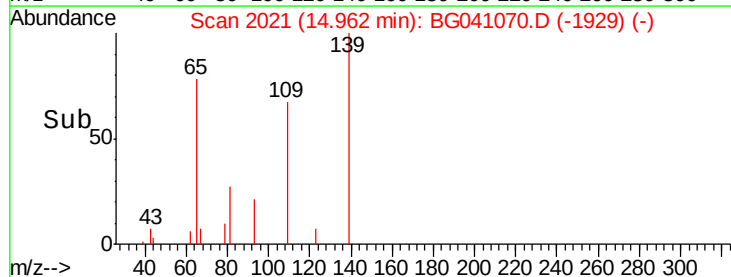
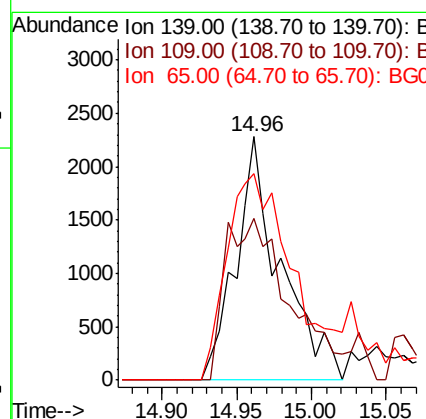
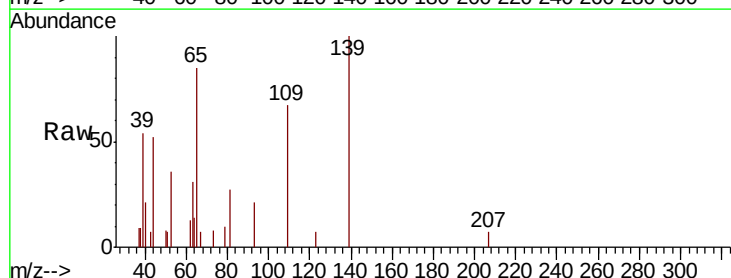
Manual Integrations
APPROVED

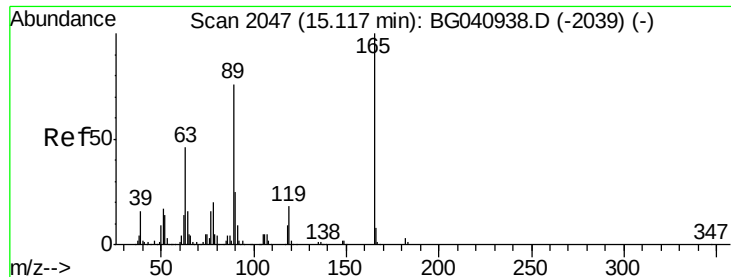
mohammad
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#56
4-Nitrophenol
Concen: 4.058 ng
RT: 14.96 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.5	79.6	119.6#
65	85.0	96.9	136.9#





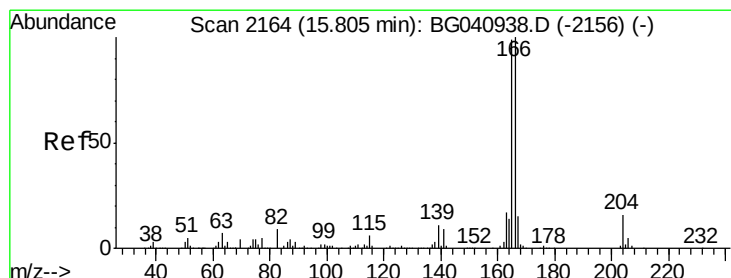
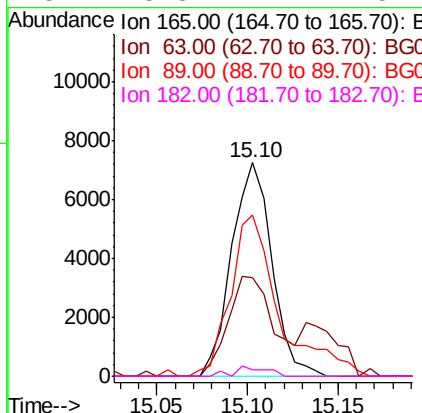
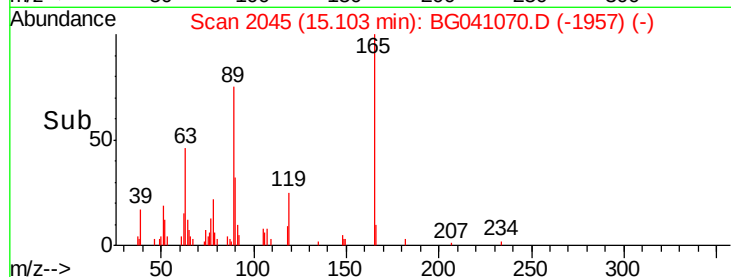
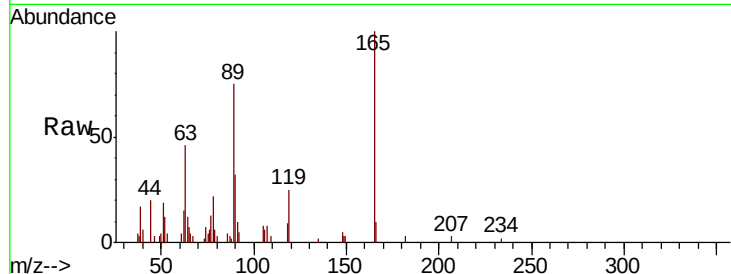
#57
2,4-Dinitrotoluene
Concen: 4.684 ng
RT: 15.10 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.2	37.3	55.9
89	75.5	61.0	91.6
182	3.3	2.2	3.2#

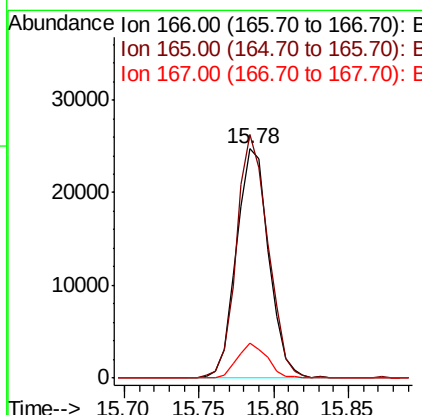
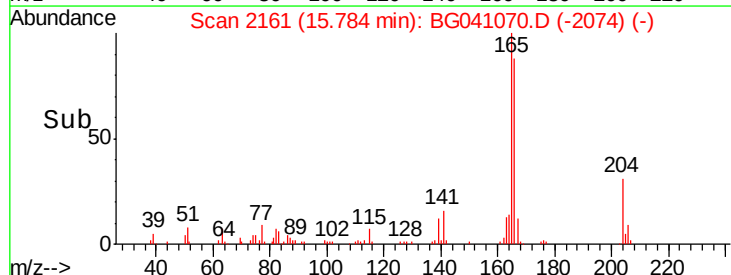
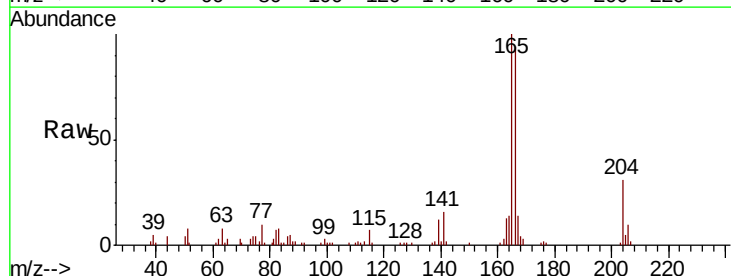
Manual Integrations
APPROVED

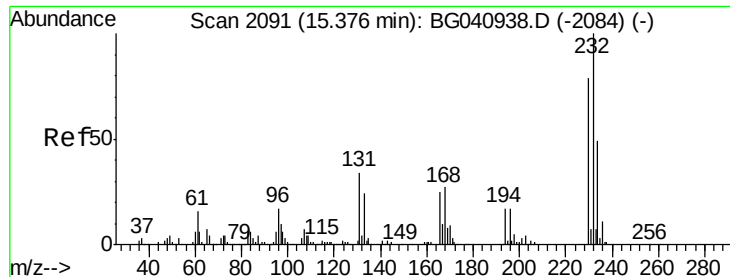
mohammad
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#58
Fluorene
Concen: 5.175 ng
RT: 15.78 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.1	79.2	118.8
167	15.3	11.8	17.6





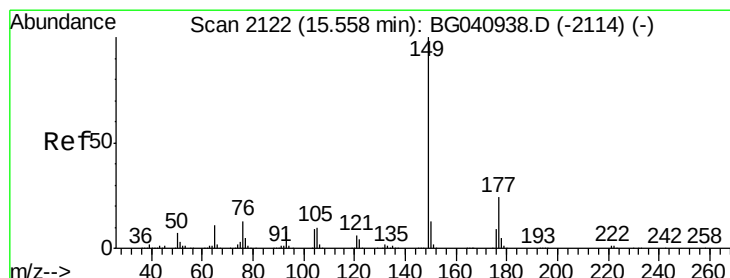
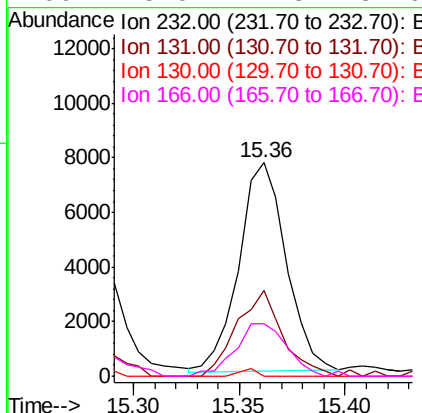
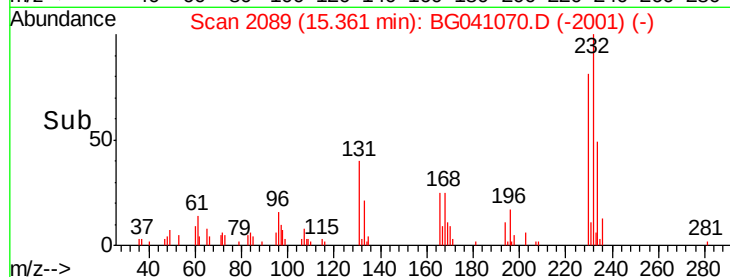
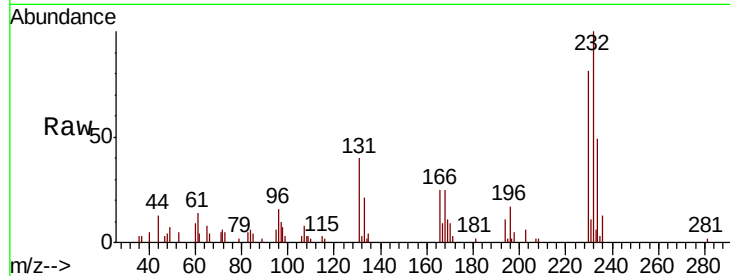
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.717 ng
 RT: 15.36 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion:	232	Resp:	11863
Ion Ratio		Lower	Upper
232	100		
131	40.1	30.3	45.5
130	1.3	1.8	2.8
166	28.0	21.3	31.9

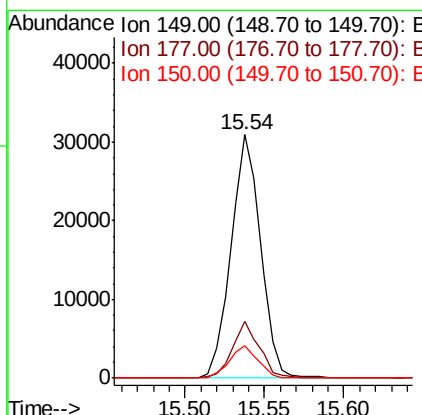
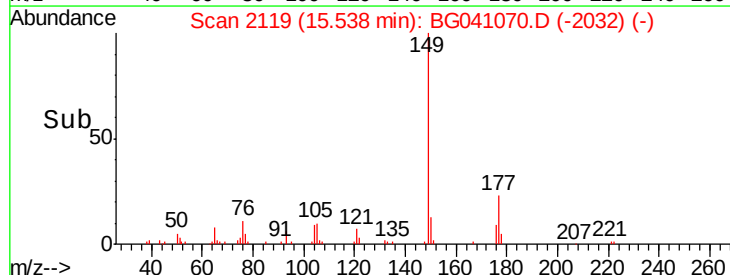
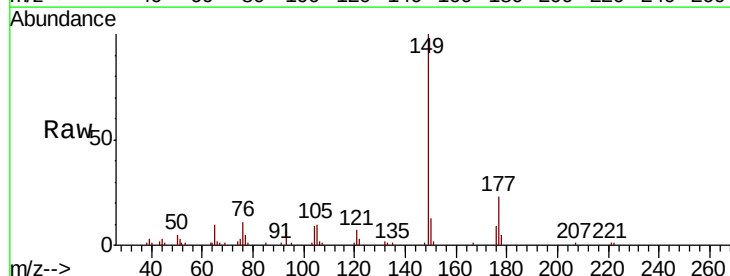
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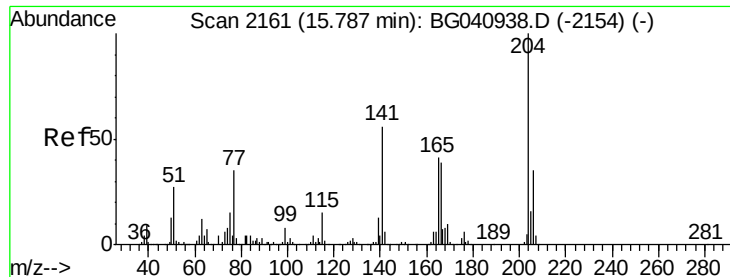
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 6/6/2019 3:42:13 PM



#60
 Diethylphthalate
 Concen: 4.954 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:	149	Resp:	39830
Ion Ratio		Lower	Upper
149	100		
177	23.2	19.4	29.0
150	13.4	10.3	15.5





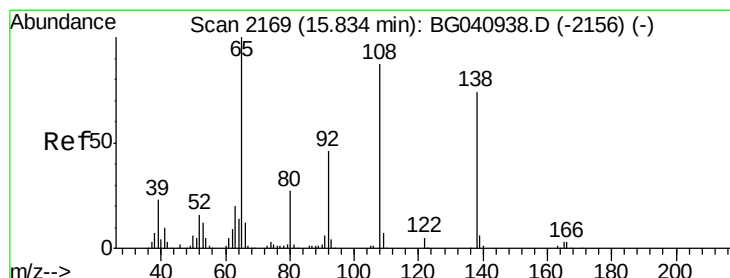
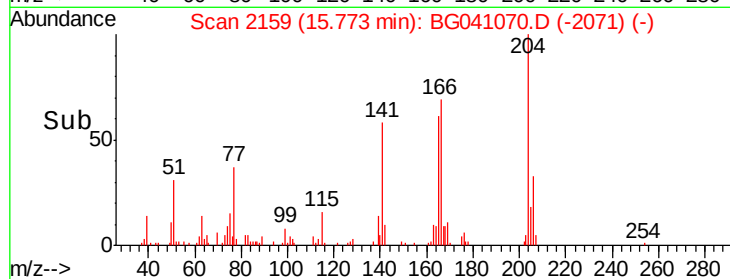
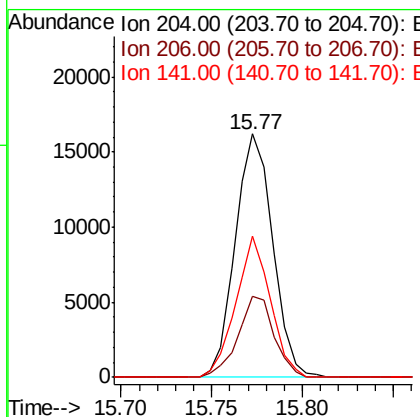
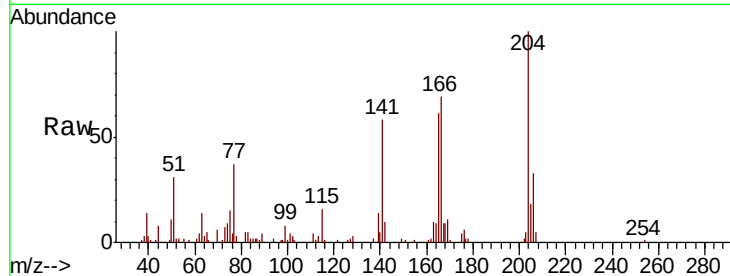
#61
4-Chlorophenyl-phenylether
Concen: 4.948 ng
RT: 15.77 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.6	41.4
141	58.1	45.1	67.7

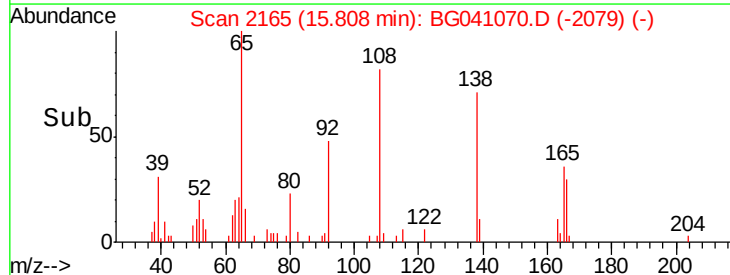
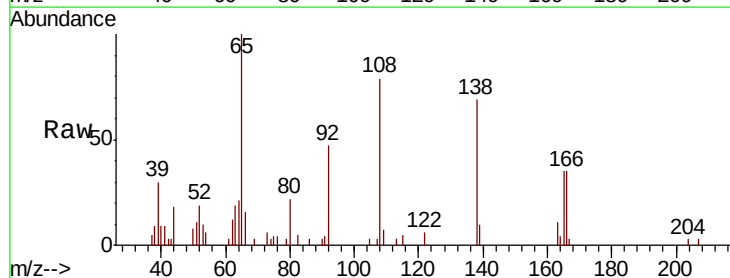
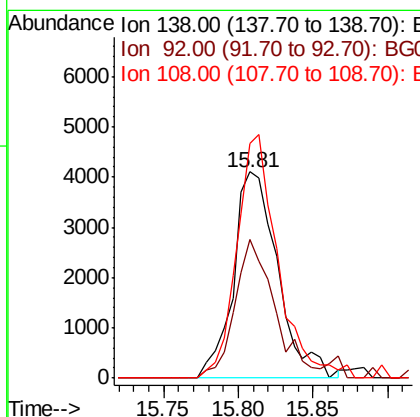
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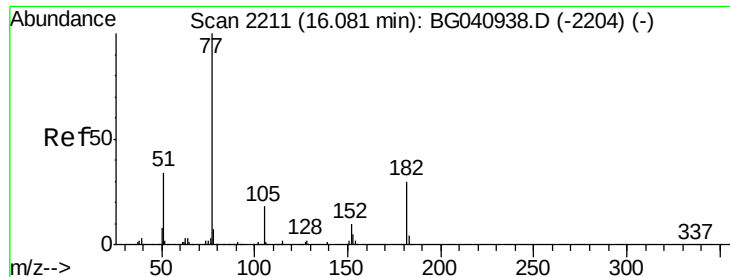
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6/6/2019 3:42:13 PM



#62
4-Nitroaniline
Concen: 4.711 ng
RT: 15.81 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	67.5	42.4	82.4
108	114.2	96.9	136.9





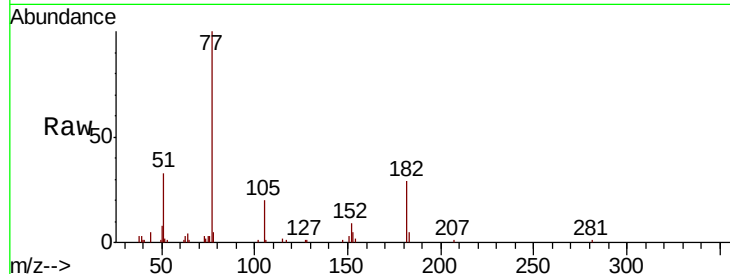
#63
Azobenzene
Concen: 5.060 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

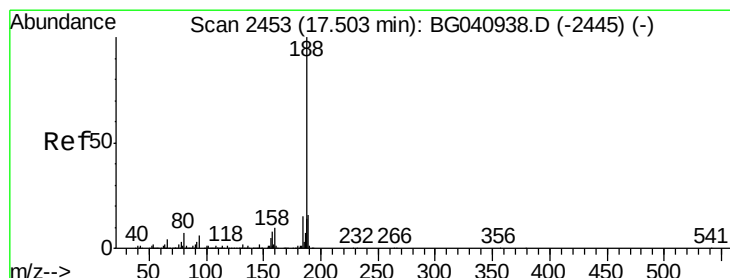
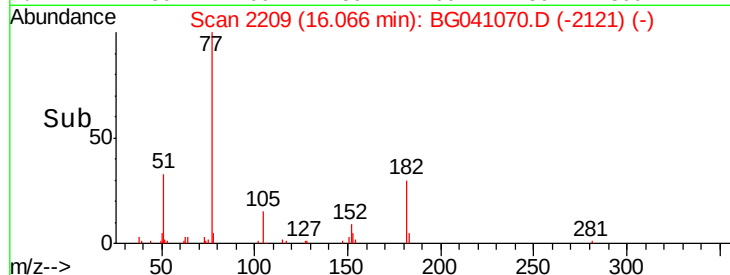
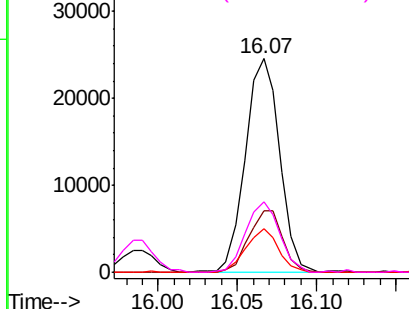
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	28.6	9.6	49.6	
105	20.3	0.0	37.5	
51	33.2	13.7	53.7	

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6/6/2019 3:42:13 PM



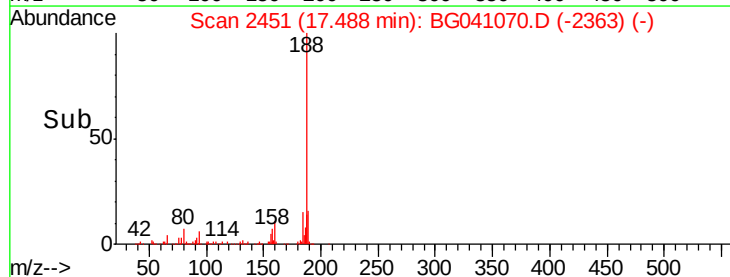
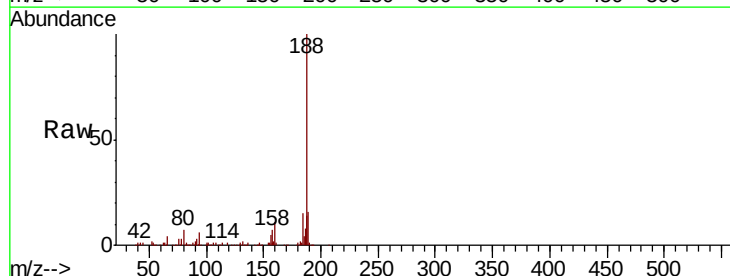
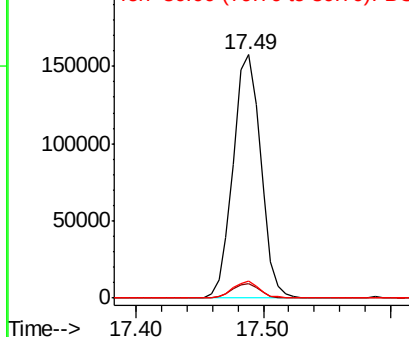
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

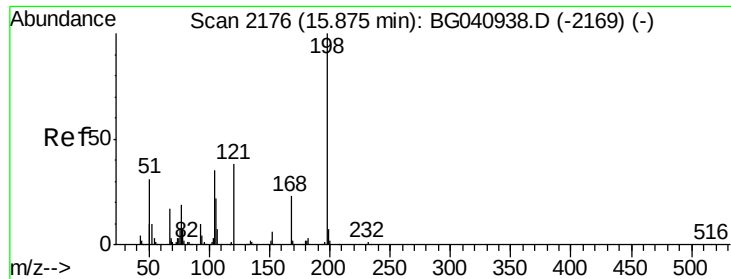


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.7	4.7	7.1	
80	7.0	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





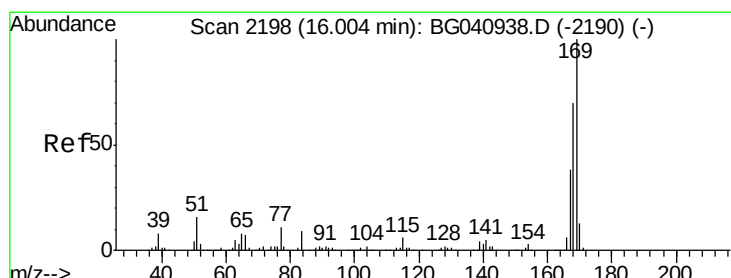
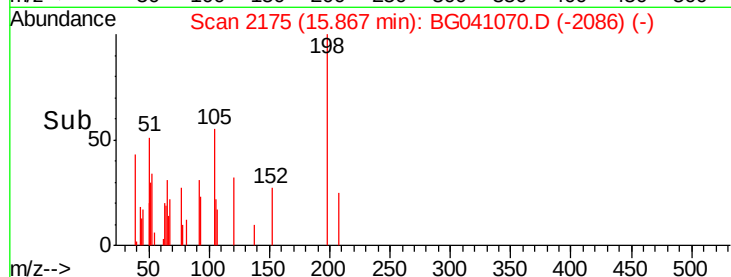
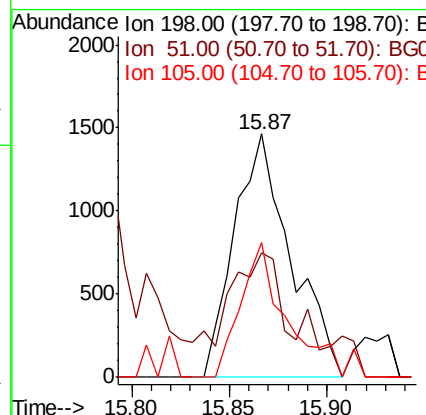
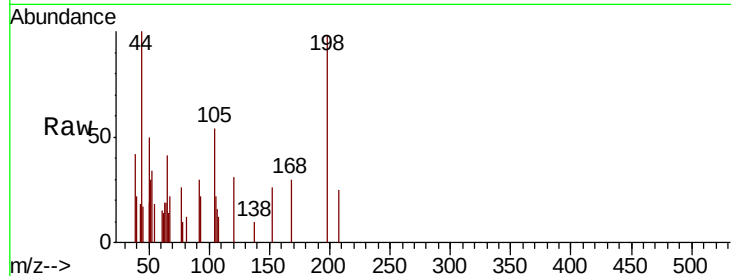
#65
4,6-Dinitro-2-methylphenol
Concen: 10.482 ng
RT: 15.87 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	51.1	21.6	61.6
105	55.3	17.5	57.5

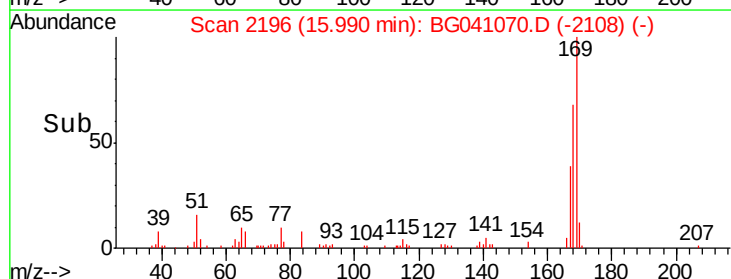
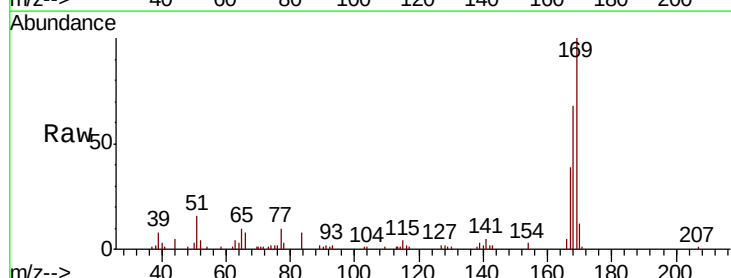
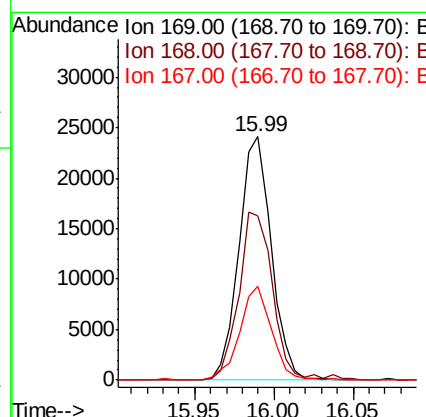
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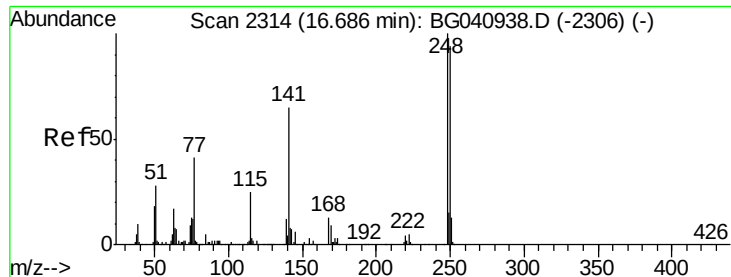
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6/6/2019 3:42:13 PM



#66
n-Nitrosodiphenylamine
Concen: 5.109 ng
RT: 15.99 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.5	55.7	83.5
167	38.7	30.2	45.2





#67

4-Bromophenyl-phenylether

Concen: 4.408 ng

RT: 16.67 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

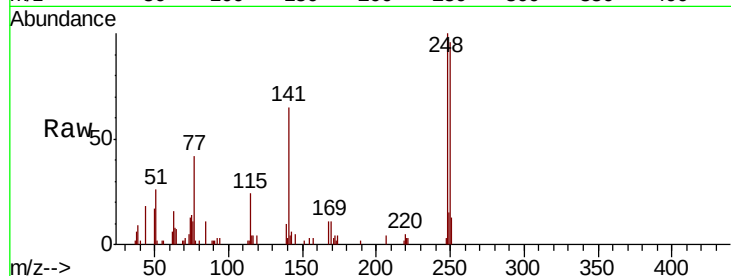
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

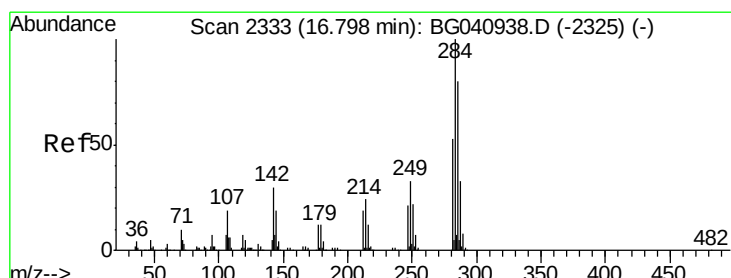
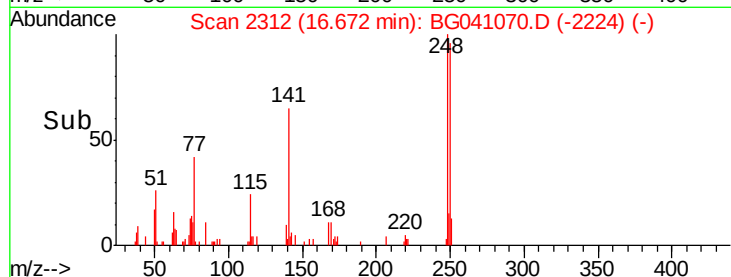
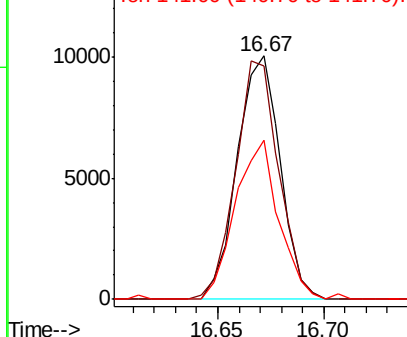
Tot Ion:	248	Resp:	14139
Ion Ratio	Lower	Upper	
248	100		
250	95.9	75.0	112.4
141	65.3	52.4	78.6

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6/6/2019 3:42:13 PM



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: 4.652 ng

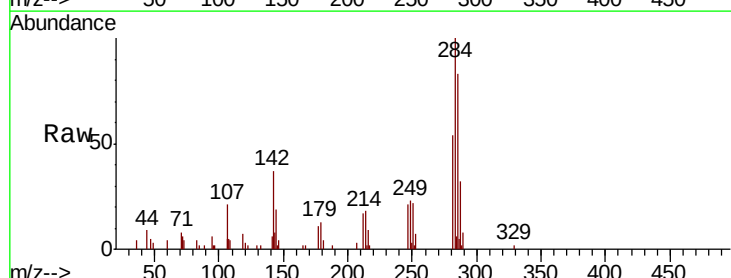
RT: 16.78 min Scan# 2331

Delta R.T. -0.01 min

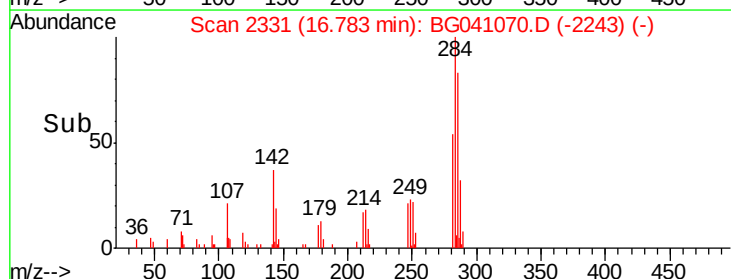
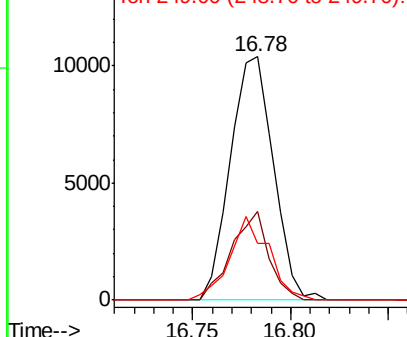
Lab File: BG041070.D

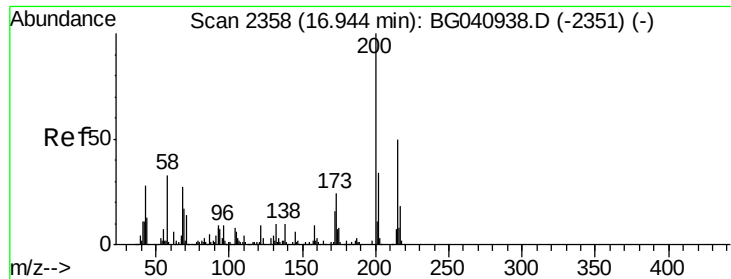
Acq: 5 Jun 2019 13:40

Tgt Ion:	284	Resp:	15890
Ion Ratio	Lower	Upper	
284	100		
142	36.5	23.9	35.9#
249	23.3	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





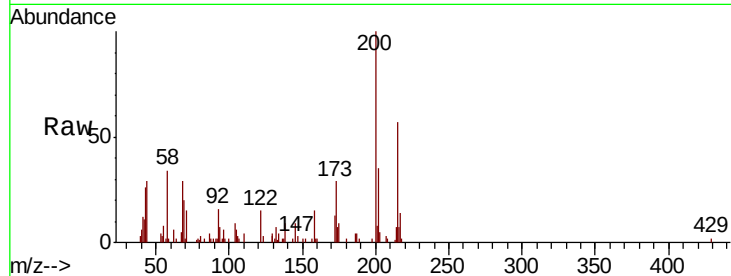
#69
Atrazine
Concen: 5.485 ng
RT: 16.92 min Scan# 2355
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Resp	Lower	Upper
200	100	14141		
173	28.6	3.6	43.6	
215	56.9	29.6	69.6	

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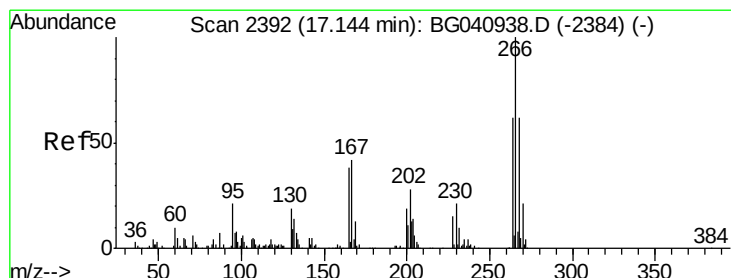
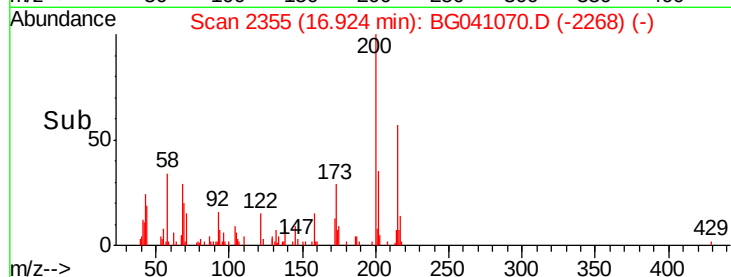
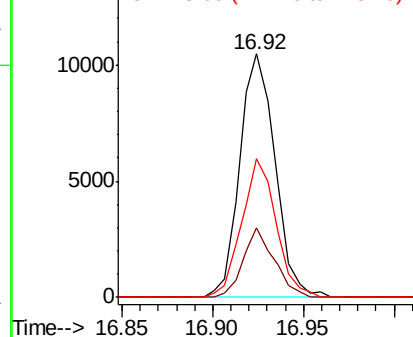


Abundance

Ion 200.00 (199.70 to 200.70): E

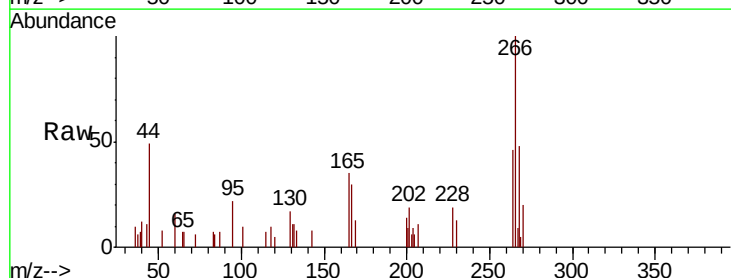
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 6.977 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5258		
268	53.8	53.1	79.7	
264	45.6	49.9	74.9	

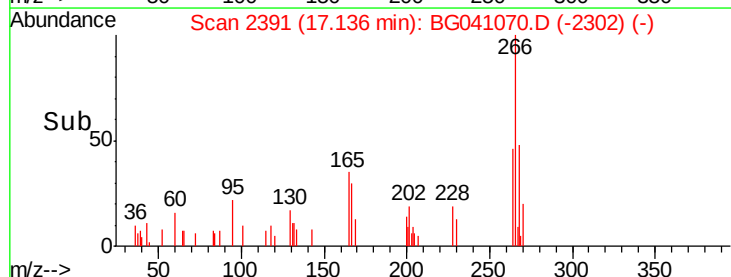
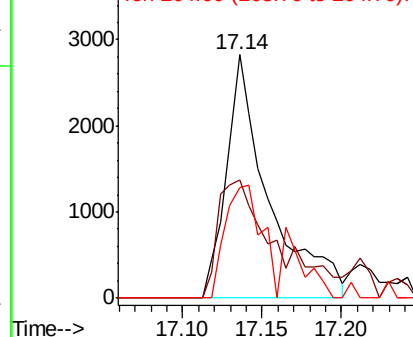


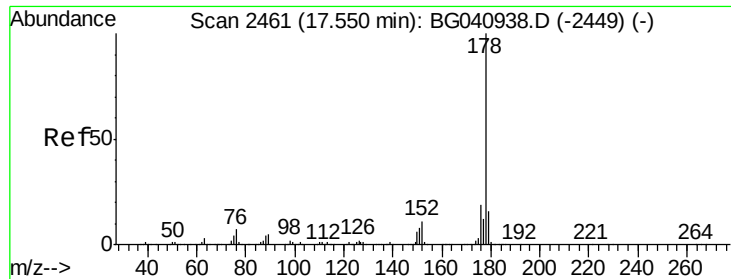
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





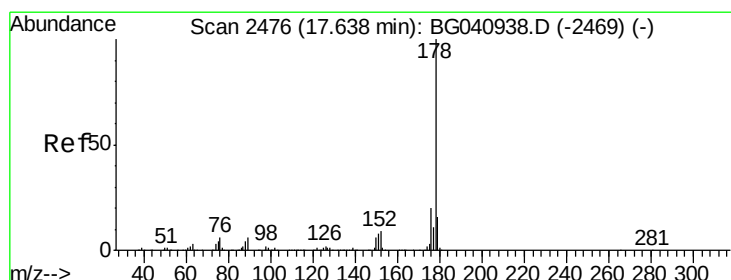
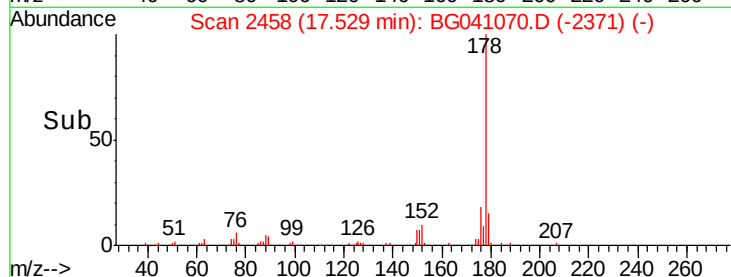
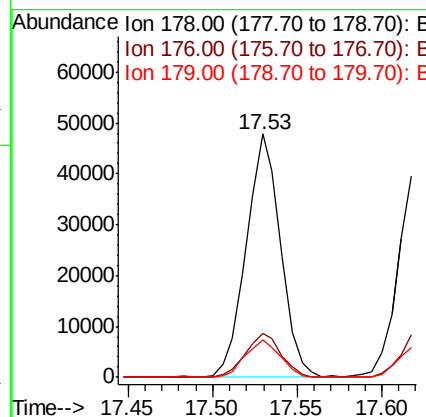
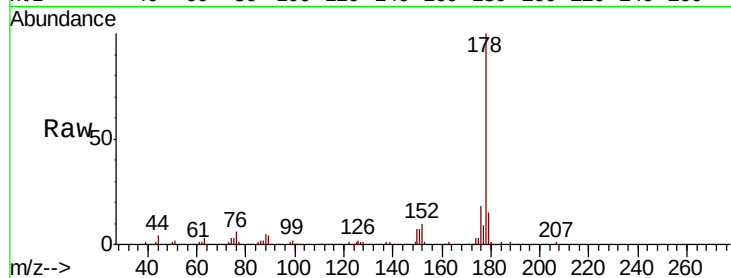
#71
Phenanthrene
Concen: 5.475 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.2	12.7	19.1

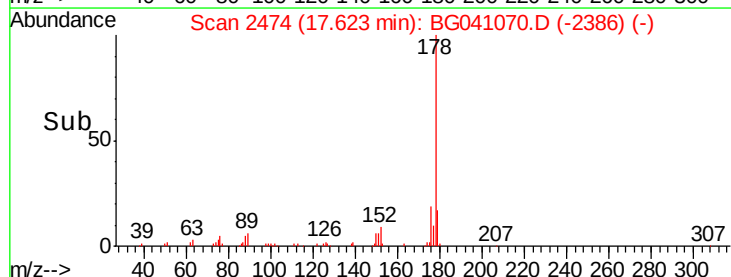
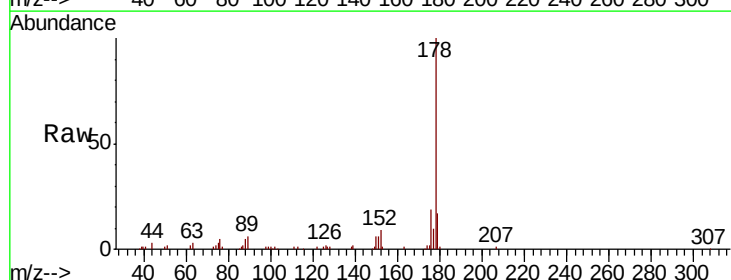
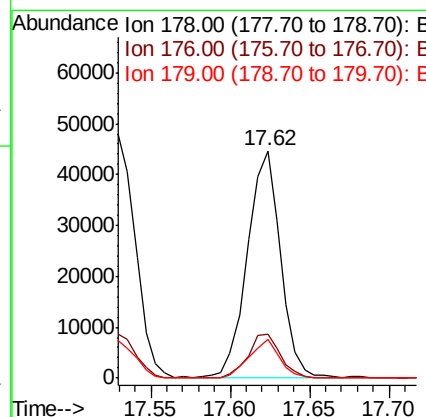
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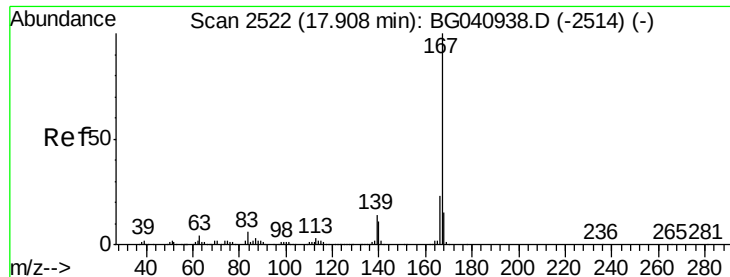
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#72
Anthracene
Concen: 5.273 ng
RT: 17.62 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	17.0	13.0	19.4





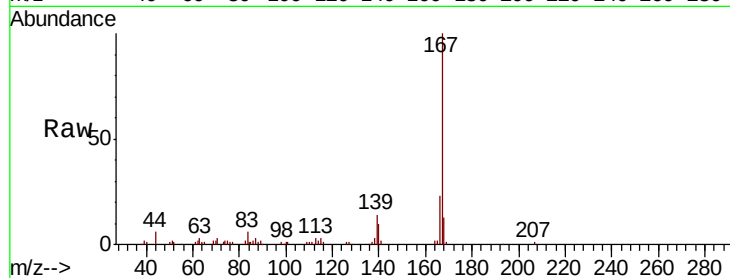
#73
 Carbazole
 Concen: 5.516 ng
 RT: 17.89 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	14.5	10.8	16.2

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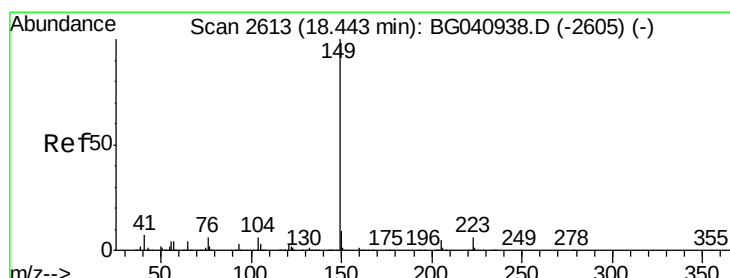
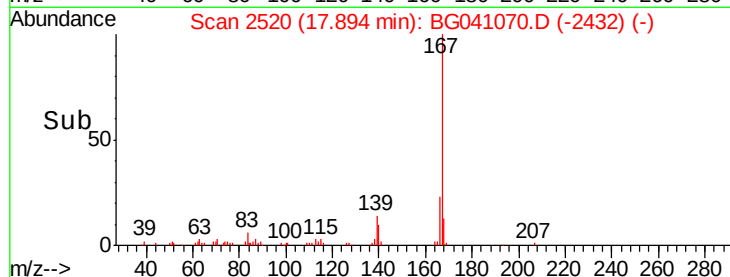
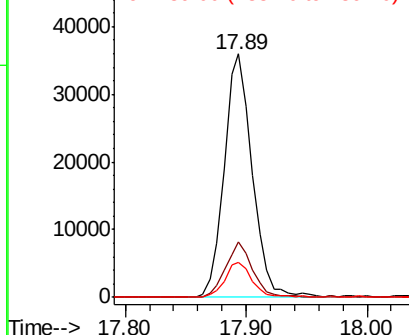


Abundance

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: 5.221 ng
 RT: 18.42 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

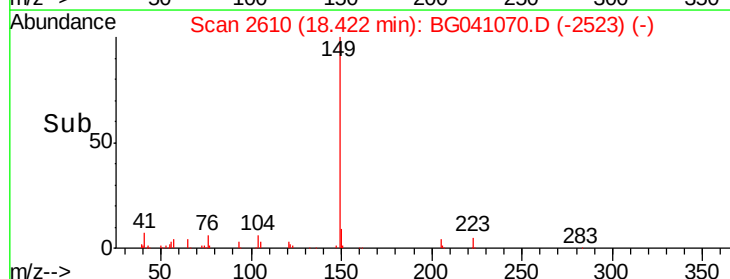
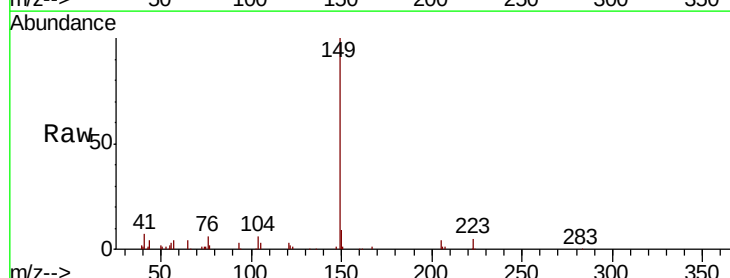
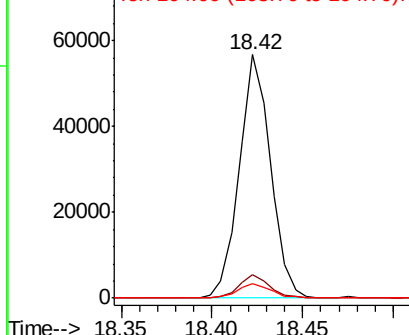
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.8	5.0	7.4

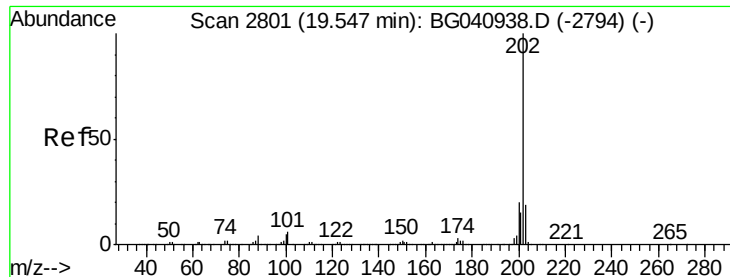
Abundance

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: 5.755 ng

RT: 19.53 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

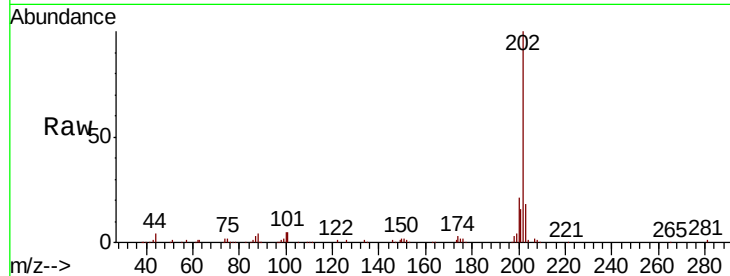
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	202	Resp:	87995
Ion Ratio	Lower	Upper	
202	100		
101	5.2	0.0	26.2
203	17.6	0.0	38.7

Manual Integrations
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6/6/2019 3:42:13 PM

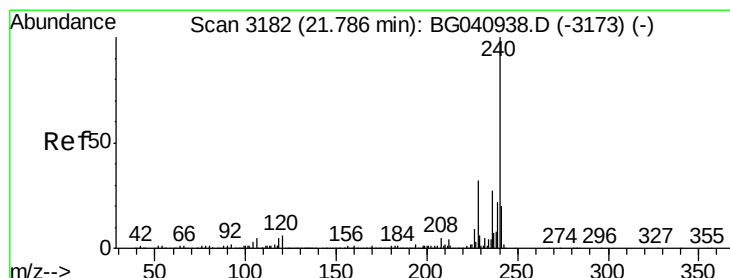
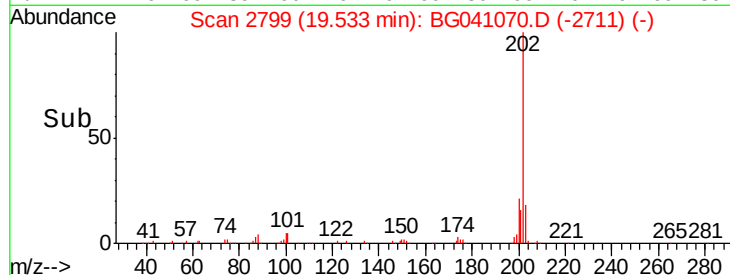
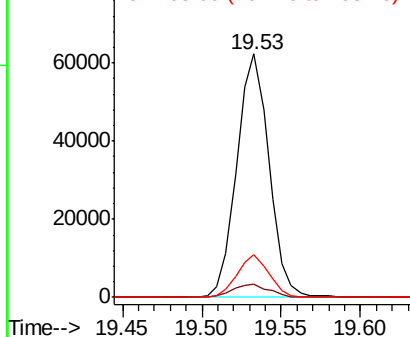


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

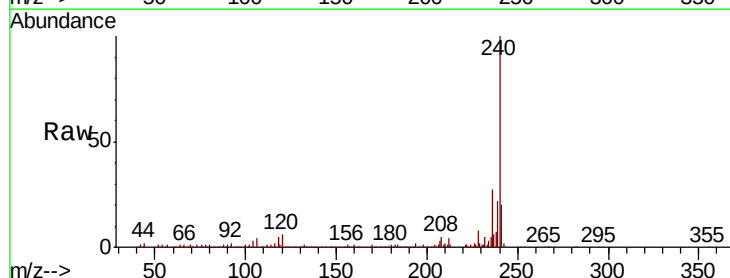
RT: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	240	Resp:	271457
Ion Ratio	Lower	Upper	
240	100		
120	5.7	4.5	6.7
236	27.3	21.3	31.9

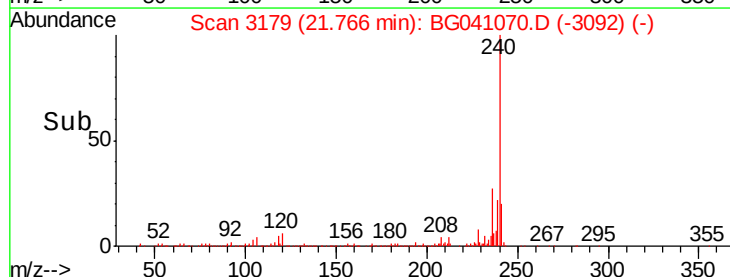
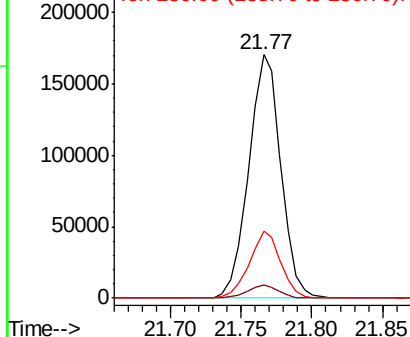


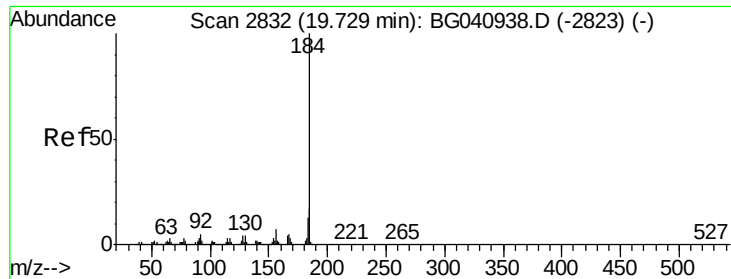
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.858 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

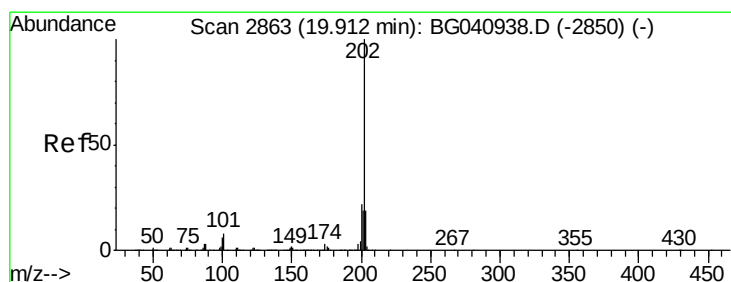
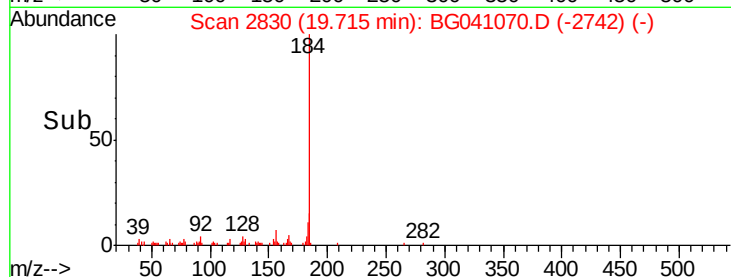
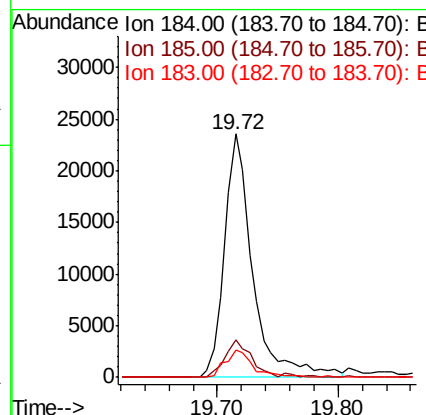
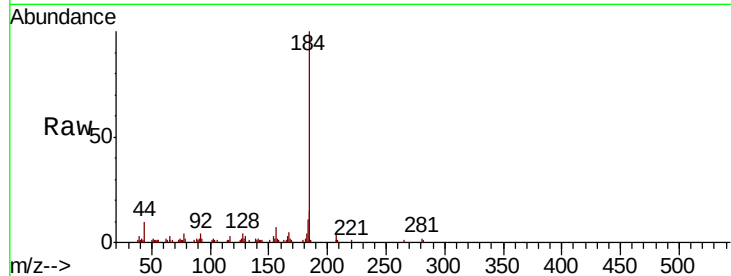
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	184	Resp:	37932
Ion Ratio	Lower	Upper	
184	100		
185	15.3	13.3	19.9
183	11.4	10.7	16.1

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6/6/2019 3:42:13 PM



#78

Pyrene

Concen: 5.291 ng

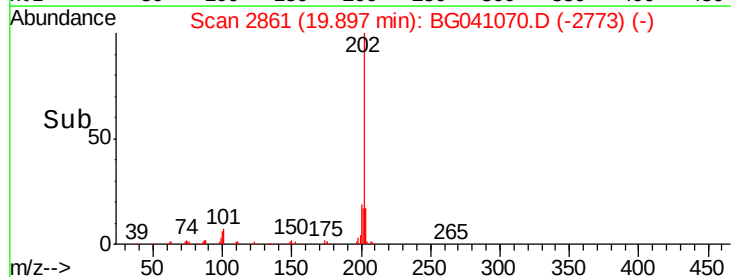
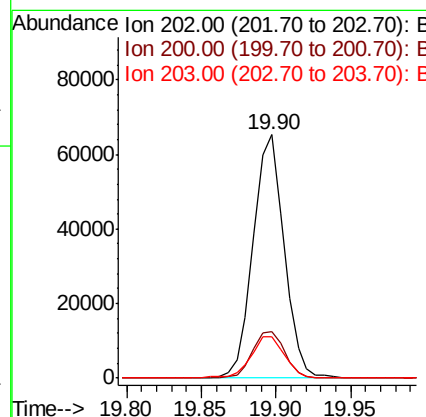
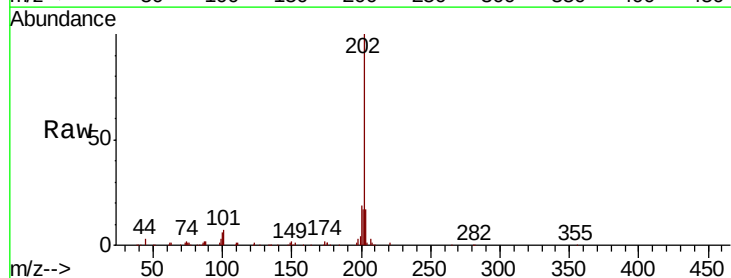
RT: 19.90 min Scan# 2861

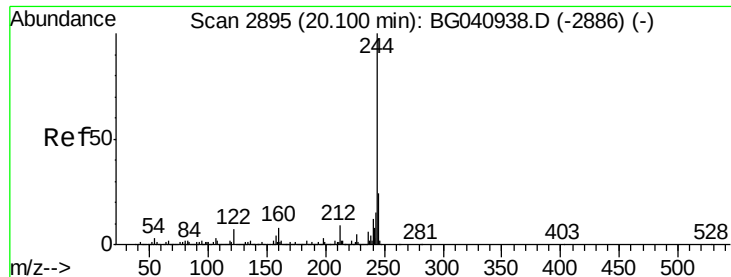
Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	202	Resp:	93368
Ion Ratio	Lower	Upper	
202	100		
200	19.3	17.5	26.3
203	17.1	15.6	23.4





#79

Terphenyl-d14

Concen: 91.877 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:244 Resp: 1175148

Ion Ratio Lower Upper

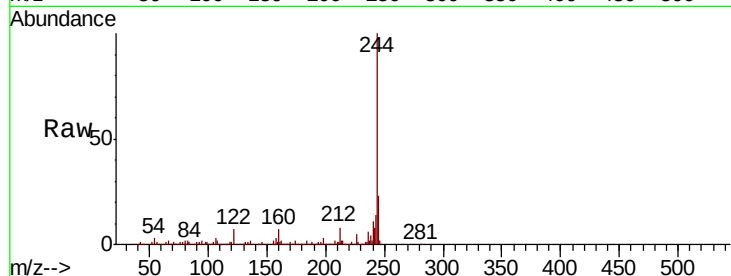
244 100

212 8.4 7.0 10.4

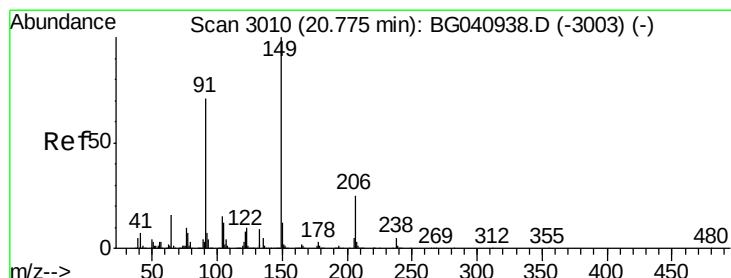
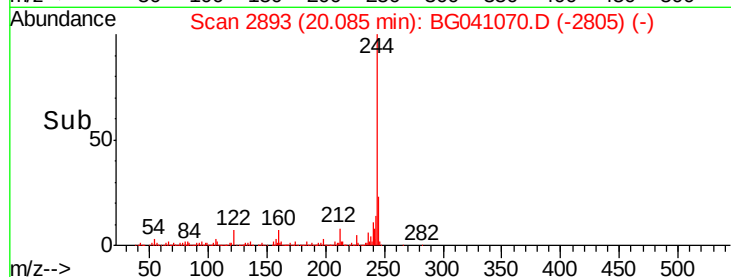
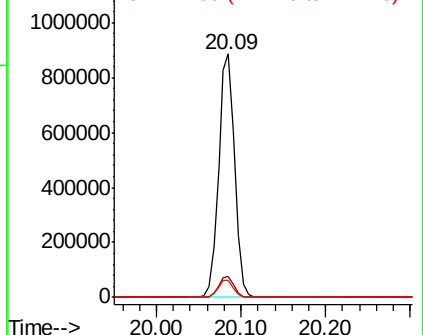
122 7.1 5.4 8.0

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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: 5.352 ng

RT: 20.76 min Scan# 3008

Delta R.T. -0.01 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

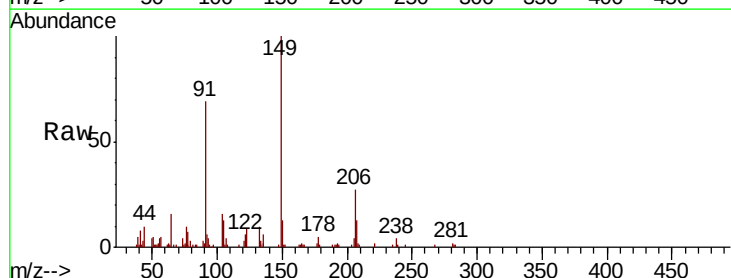
Tgt Ion:149 Resp: 36753

Ion Ratio Lower Upper

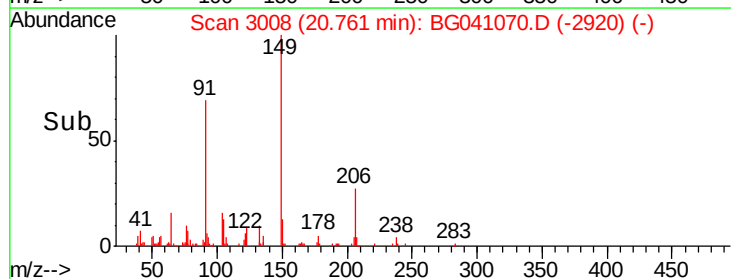
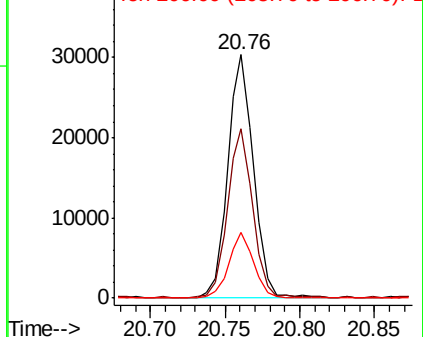
149 100

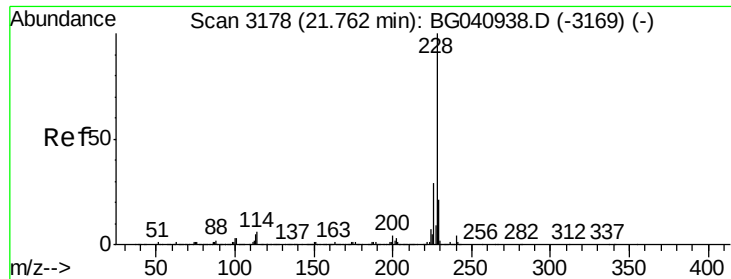
91 69.5 56.5 84.7

206 27.0 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





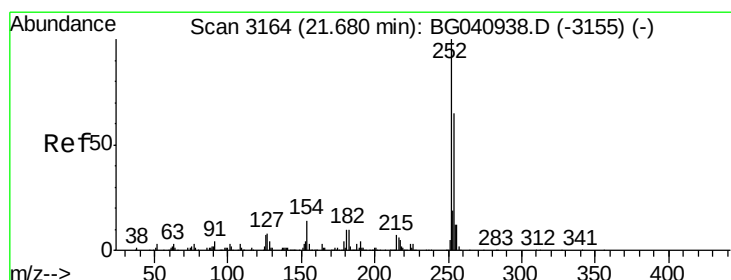
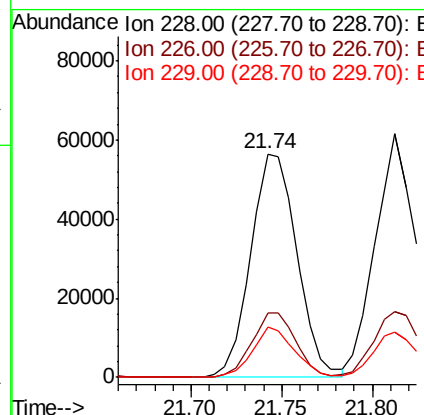
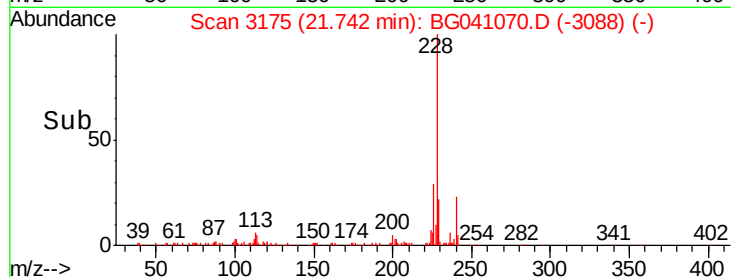
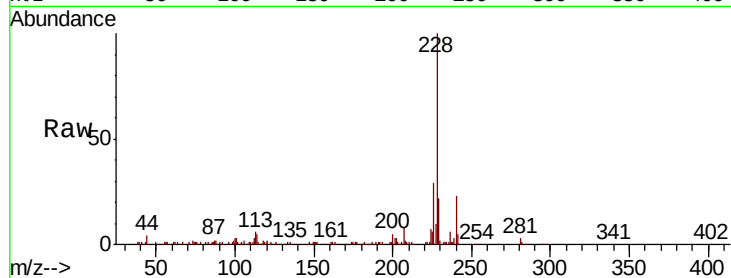
#81
Benzo(a)anthracene
Concen: 5.546 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion:	228	Resp:	100212
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.5	35.3
229	22.3	16.7	25.1

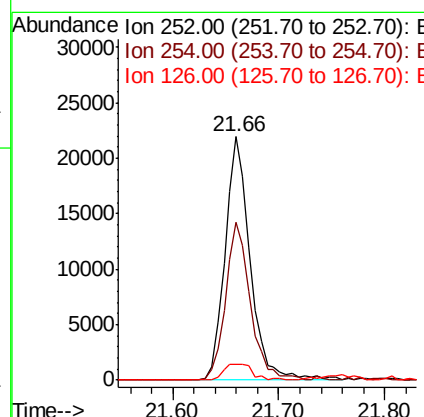
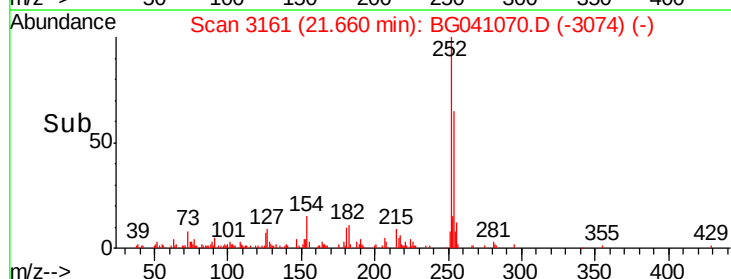
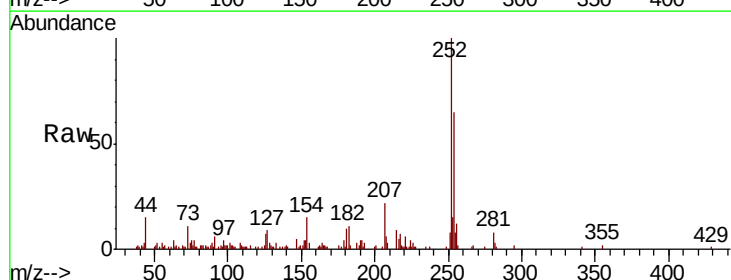
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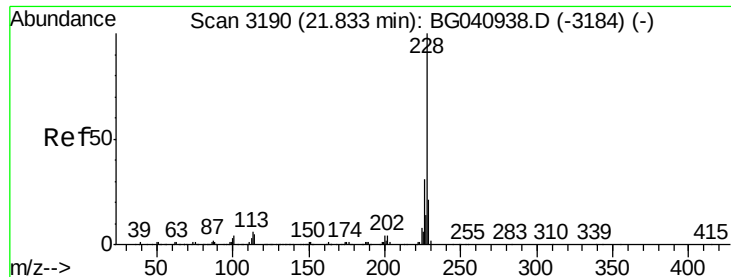
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#82
3,3'-Dichlorobenzidine
Concen: 5.690 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

Tgt Ion:	252	Resp:	36165
Ion Ratio	Lower	Upper	
252	100		
254	64.6	52.1	78.1
126	6.6	5.5	8.3





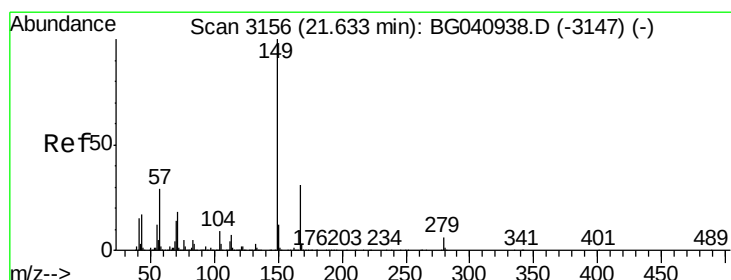
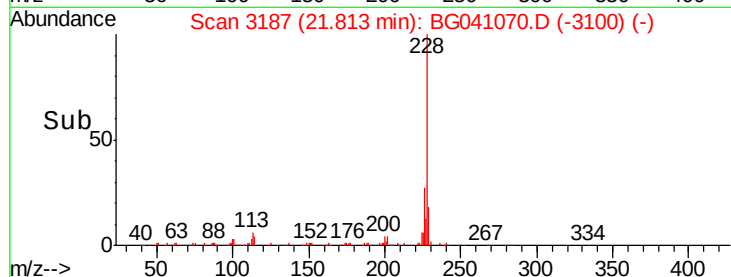
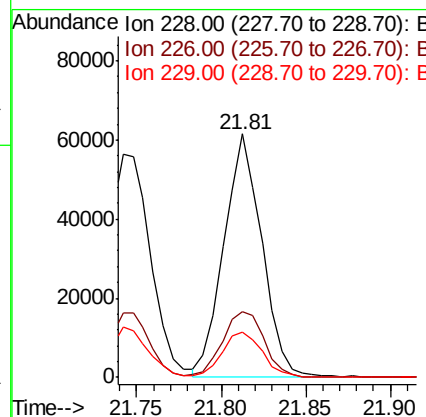
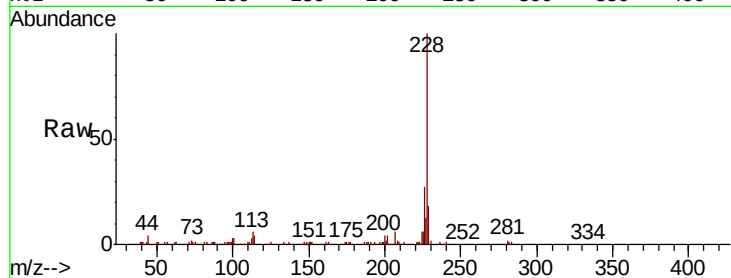
#83
 Chrysene
 Concen: 5.528 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

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

Tot Ion:	228	Resp:	95590
Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.6	37.0
229	18.4	16.6	24.8

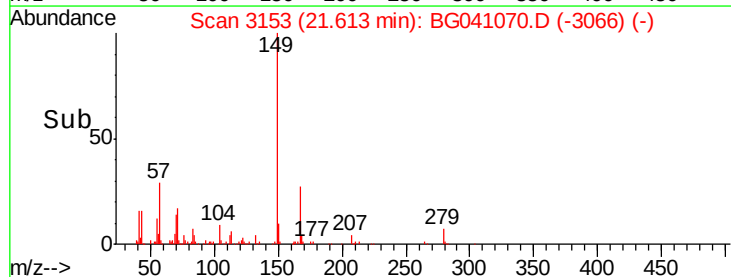
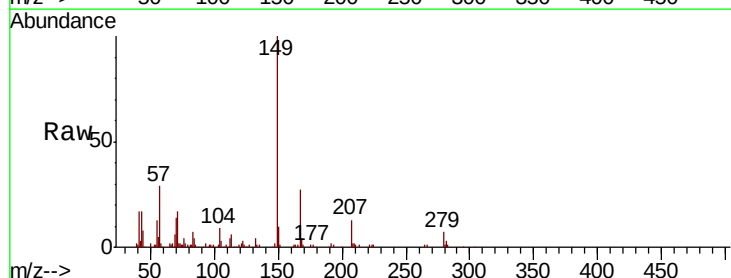
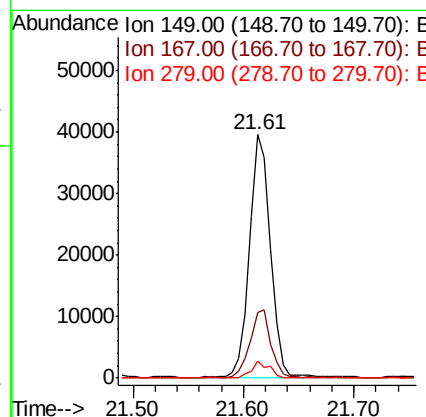
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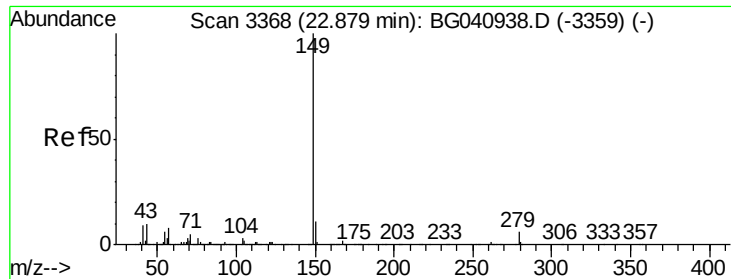
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.532 ng
 RT: 21.61 min Scan# 3153
 Delta R.T. -0.02 min
 Lab File: BG041070.D
 Acq: 5 Jun 2019 13:40

Tgt Ion:	149	Resp:	53478
Ion	Ratio	Lower	Upper
149	100		
167	26.9	24.6	37.0
279	7.2	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 5.726 ng

RT: 22.86 min Scan# 3365

Delta R.T. -0.02 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

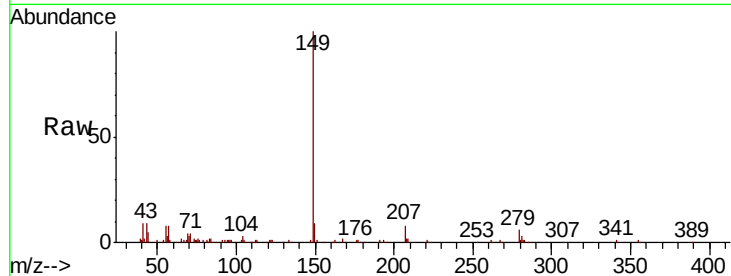
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

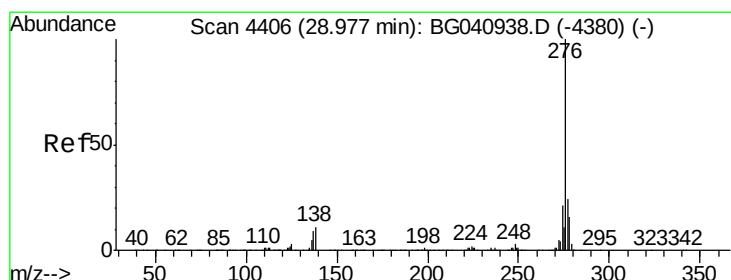
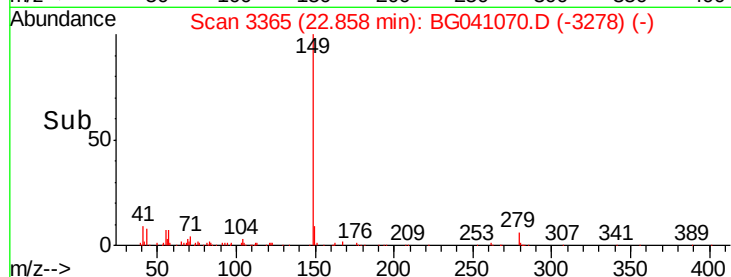
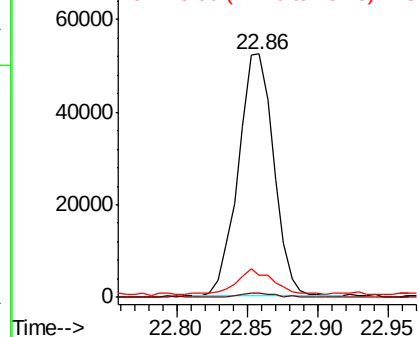
Tot Ion:	149	Resp:	92195
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	11.9	8.1	12.1

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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: 5.168 ng

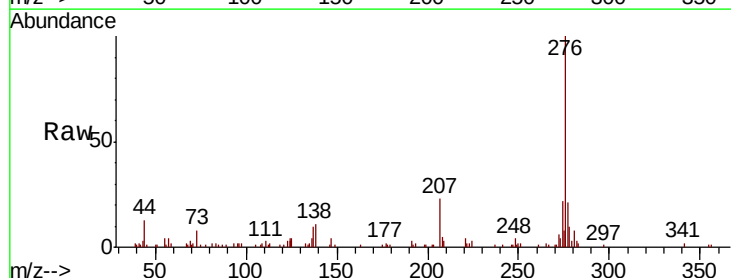
RT: 28.92 min Scan# 4396

Delta R.T. -0.06 min

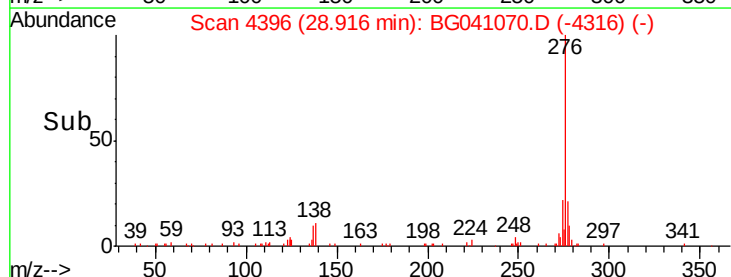
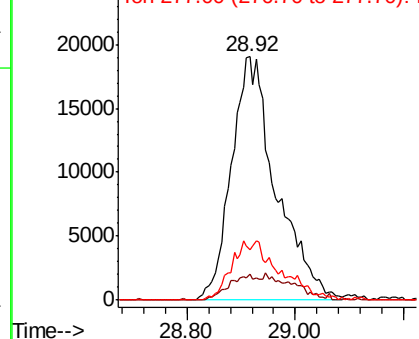
Lab File: BG041070.D

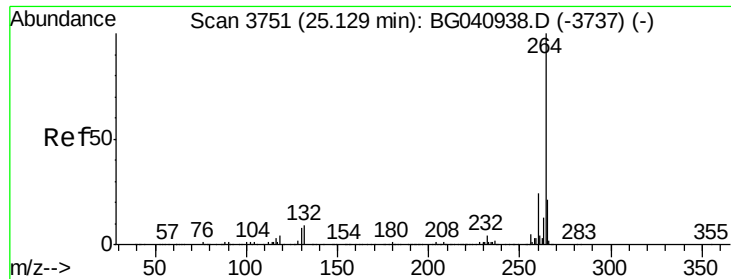
Acq: 5 Jun 2019 13:40

Tgt Ion:	276	Resp:	109465
Ion Ratio	Lower	Upper	
276	100		
138	4.4	5.7	8.5#
277	10.6	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





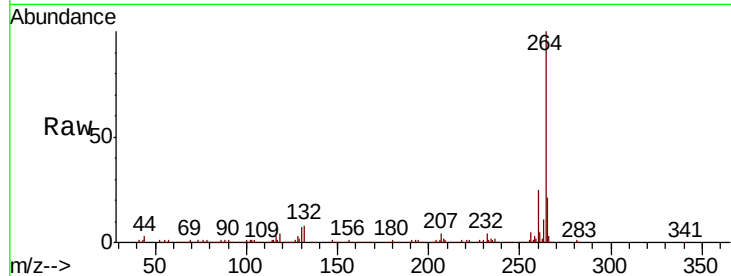
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3746
Delta R.T. -0.03 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.0	28.4
265	20.8	17.0	25.4

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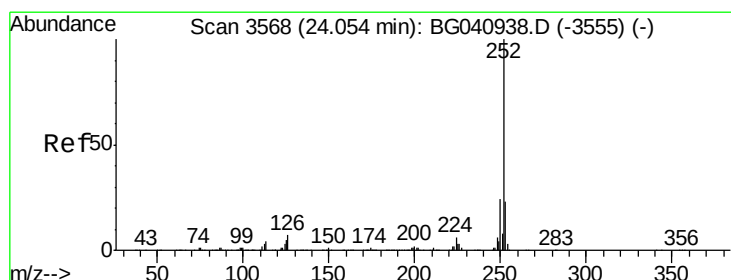
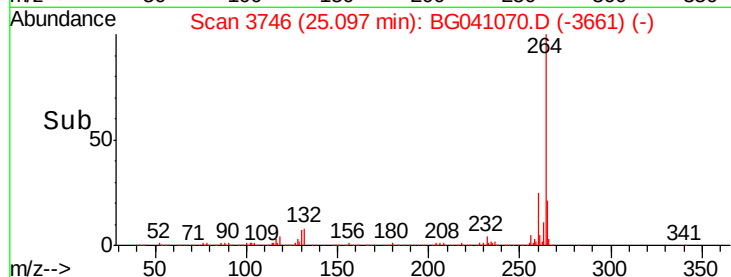
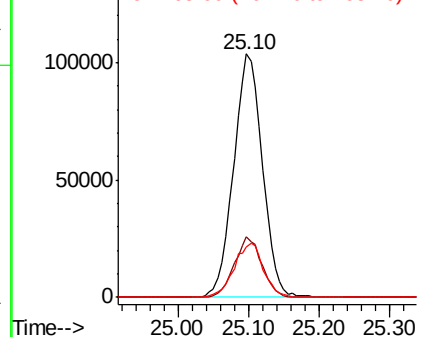


Abundance

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: 5.351 ng
RT: 24.03 min Scan# 3564
Delta R.T. -0.03 min
Lab File: BG041070.D
Acq: 5 Jun 2019 13:40

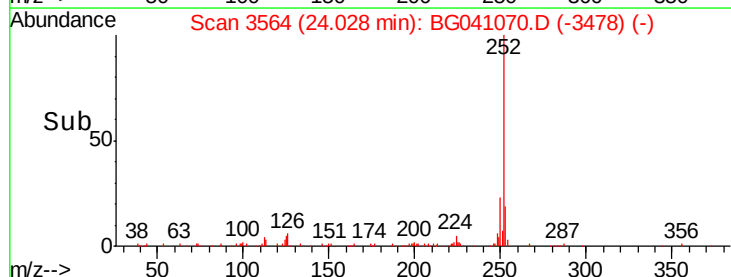
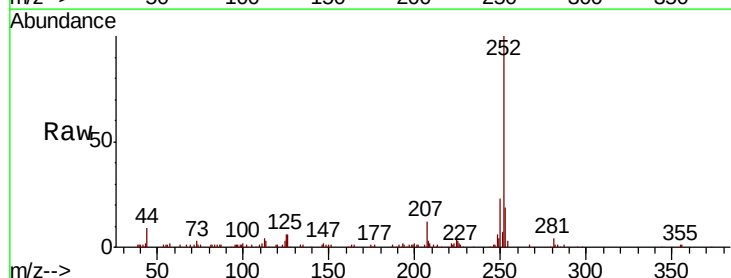
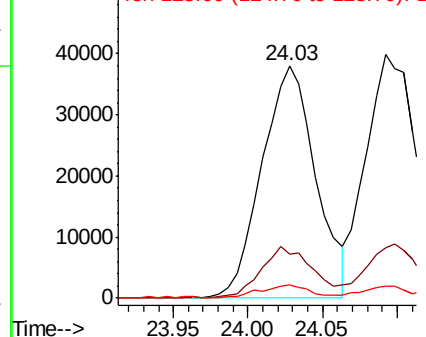
Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.1	18.4	27.6
125	5.8	4.3	6.5

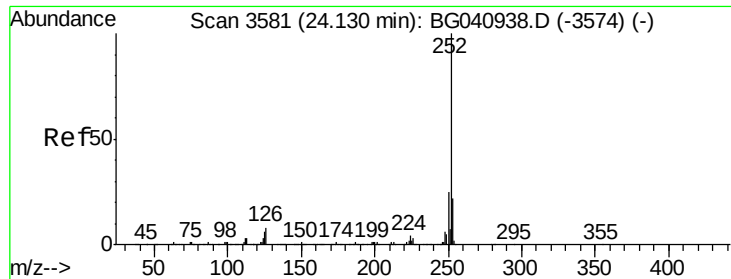
Abundance

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: 5.415 ng

RT: 24.09 min Scan# 3575

Delta R.T. -0.04 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

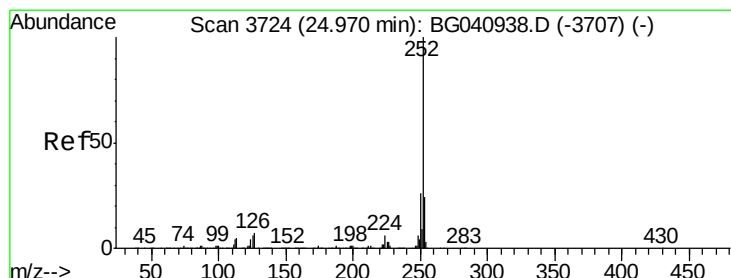
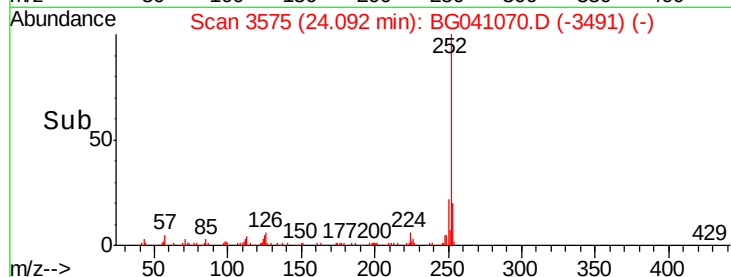
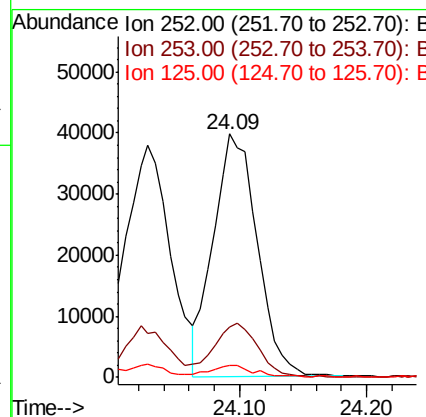
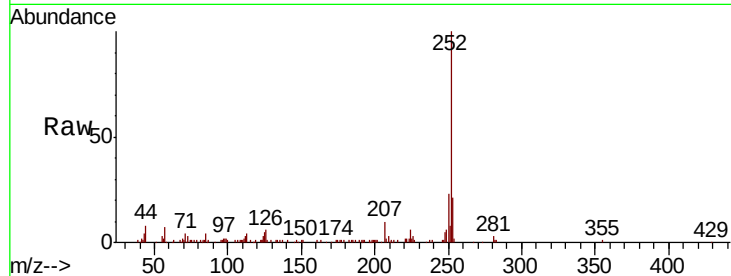
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	252	Resp:	95498
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.8	26.6
125	5.1	4.7	7.1

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#90

Benzo(a)pyrene

Concen: 5.533 ng

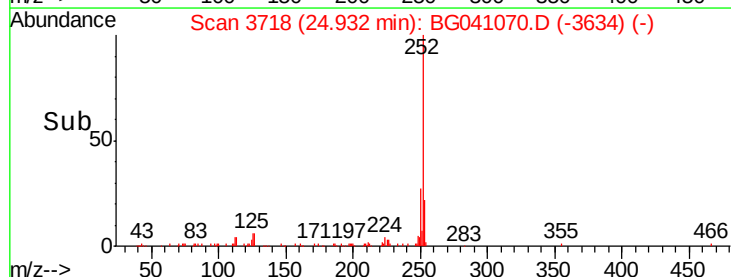
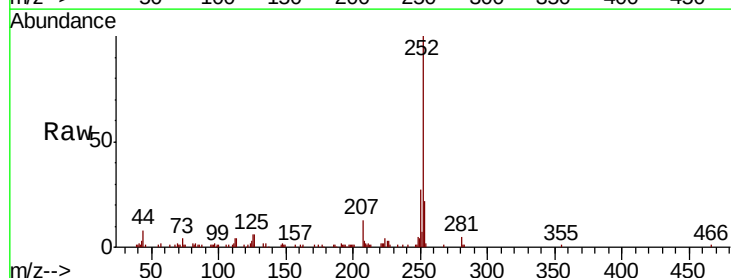
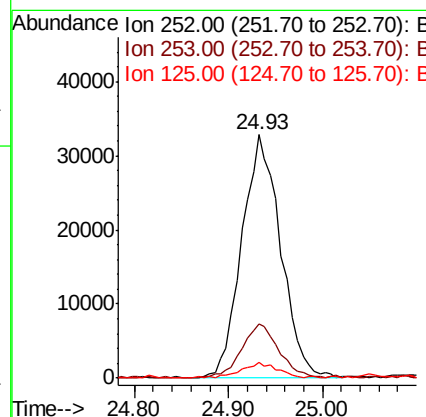
RT: 24.93 min Scan# 3718

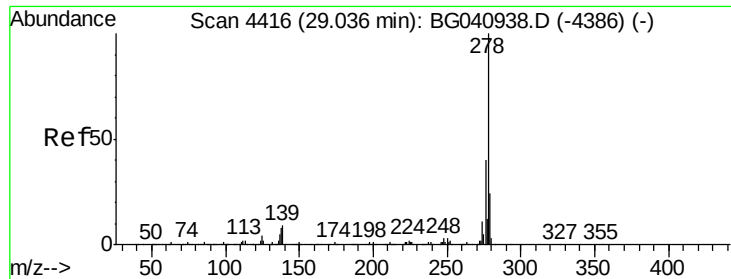
Delta R.T. -0.04 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	252	Resp:	94085
Ion Ratio	Lower	Upper	
252	100		
253	22.3	19.5	29.3
125	6.5	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 5.224 ng

RT: 28.98 min Scan# 4407

Delta R.T. -0.06 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Instrument :

BNA_G

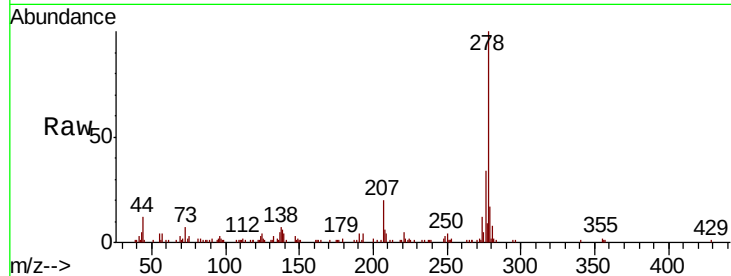
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	278	Resp:	88759
Ion Ratio	Lower	Upper	
278	100		
139	10.3	7.1	10.7
279	16.9	19.4	29.2#

Manual Integrations
APPROVED

mohammad
6/6/2019 3:42:13 PM

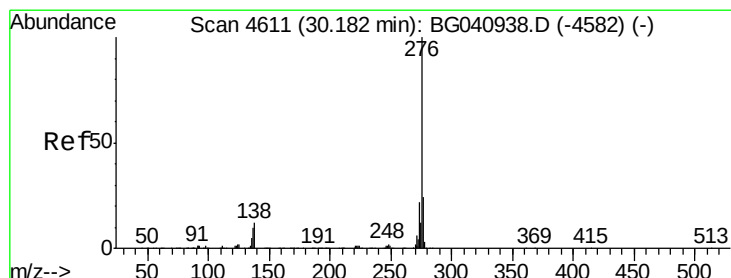
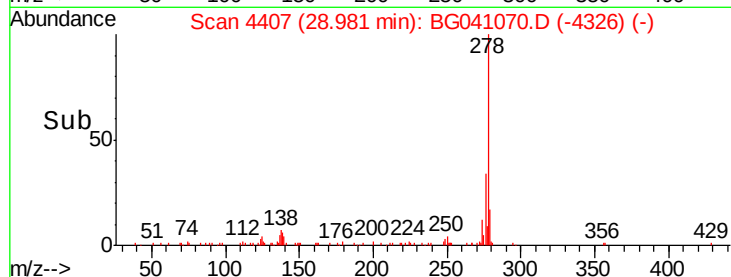
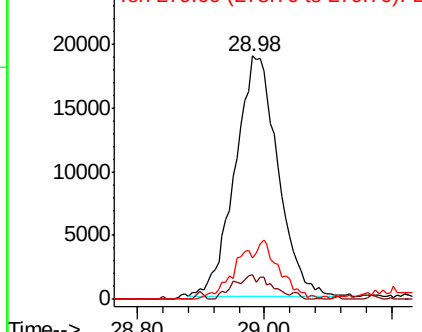


Abundance

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: 5.543 ng

RT: 30.11 min Scan# 4600

Delta R.T. -0.07 min

Lab File: BG041070.D

Acq: 5 Jun 2019 13:40

Tgt Ion:	276	Resp:	91500
Ion Ratio	Lower	Upper	
276	100		
277	28.3	19.4	29.0
138	10.9	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

