

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
 Data File : BG041788.D
 Acq On : 29 Jul 2019 14:27
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
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 7/30/2019 4:52:26 PM

Quant Time: Jul 30 07:46:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 12:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	92945	20.00	ng	0.02
21) Naphthalene-d8	10.88	136	398284	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	295513	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	664929	20.00	ng	0.00
76) Chrysene-d12	21.74	240	674512	20.00	ng	0.00
87) Perylene-d12	25.02	264	764791	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	485055	101.54	ng	0.02
7) Phenol-d6	7.21	99	652172	101.26	ng	0.02
23) Nitrobenzene-d5	9.23	82	489649	84.60	ng	0.02
42) 2,4,6-Tribromophenol	16.20	330	350177	104.32	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1359475	81.14	ng	0.00
79) Terphenyl-d14	20.07	244	2155607	73.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	18853	8.385	ng	93
3) Pyridine	3.89	79	39172	6.353	ng	92
4) n-Nitrosodimethylamine	3.80	42	17057	6.978	ng	# 86
6) Aniline	7.37	93	68982	7.607	ng	95
8) 2-Chlorophenol	7.62	128	44757	8.182	ng	97
9) Benzaldehyde	7.19	77	39772	8.776	ng	97
10) Phenol	7.23	94	52333	7.811	ng	97
11) bis(2-Chloroethyl)ether	7.47	93	42358	7.690	ng	93
12) 1,3-Dichlorobenzene	7.96	146	52374	7.336	ng	95
13) 1,4-Dichlorobenzene	8.10	146	52415	7.337	ng	98
14) 1,2-Dichlorobenzene	8.42	146	51021	7.485	ng	96
15) Benzyl Alcohol	8.29	79	37986	7.497	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.59	45	73836	7.534	ng	98
17) 2-Methylphenol	8.50	107	36403	7.471	ng	96
18) Hexachloroethane	9.16	117	17829	7.288	ng	89
19) n-Nitroso-di-n-propylamine	8.87	70	36549	7.817	ng	92
20) 3+4-Methylphenols	8.83	107	49877	7.480	ng	93
22) Acetophenone	8.88	105	72087	8.092	ng	# 90
24) Nitrobenzene	9.27	77	50849	8.340	ng	97
25) Isophorone	9.80	82	99426	7.897	ng	98
26) 2-Nitrophenol	9.98	139	22284	7.875	ng	90
27) 2,4-Dimethylphenol	10.04	122	44874	8.985	ng	98
28) bis(2-Chloroethoxy)methane	10.28	93	62384	7.929	ng	96
29) 2,4-Dichlorophenol	10.52	162	46761	7.688	ng	90
30) 1,2,4-Trichlorobenzene	10.75	180	58661	7.606	ng	96
31) Naphthalene	10.94	128	149343	8.193	ng	96
32) Benzoic acid	10.12	122	7027	10.340	ng	94
33) 4-Chloroaniline	11.03	127	65679	7.598	ng	95
34) Hexachlorobutadiene	11.23	225	37894	7.280	ng	93
35) Caprolactam	11.77	113	16737	7.918	ng	# 60
36) 4-Chloro-3-methylphenol	12.15	107	47895	7.943	ng	94
37) 2-Methylnaphthalene	12.54	142	121777	8.440	ng	99
38) 1-Methylnaphthalene	12.76	142	112483	8.226	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	73743	7.883	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	40124	7.629	nq	100
43) 2,4,6-Trichlorophenol	13.14	196	42315	7.157	nq	96
44) 2,4,5-Trichlorophenol	13.21	196	46775	7.613	nq	92
46) 1,1'-Biphenyl	13.54	154	158316	8.334	nq	94
47) 2-Chloronaphthalene	13.58	162	125168	7.739	nq	98
48) 2-Nitroaniline	13.78	65	29236	7.127	nq	90
49) Acenaphthylene	14.43	152	206617	8.540	nq	95
50) Dimethylphthalate	14.15	163	169082	8.378	nq	98
51) 2,6-Dinitrotoluene	14.27	165	34692	8.221	nq	87
52) Acenaphthene	14.77	154	122073	7.758	nq	98
53) 3-Nitroaniline	14.60	138	33488	7.417	nq #	89
54) 2,4-Dinitrophenol	14.81	184	9312	8.235	nq #	77
55) Dibenzofuran	15.11	168	210137	8.731	nq	92
56) 4-Nitrophenol	14.90	139	23763	6.934	nq	88
57) 2,4-Dinitrotoluene	15.06	165	44261	7.626	nq	93
58) Fluorene	15.76	166	168074	8.702	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.33	232	46167	7.587	nq #	94
60) Diethylphthalate	15.52	149	164897	8.322	nq	95
61) 4-Chlorophenyl-phenylether	15.75	204	94864	8.045	nq	95
62) 4-Nitroaniline	15.76	138	37726	7.715	nq	97
63) Azobenzene	16.05	77	135811	8.391	nq	95
65) 4,6-Dinitro-2-methylphenol	15.82	198	19965	12.111	nq	84
66) n-Nitrosodiphenylamine	15.96	169	153999	8.502	nq	94
67) 4-Bromophenyl-phenylether	16.65	248	62801	7.667	nq	96
68) Hexachlorobenzene	16.77	284	64681	7.548	nq	94
69) Atrazine	16.90	200	56683	7.965	nq	99
70) Pentachlorophenol	17.11	266	29464	6.053	nq	92
71) Phenanthrene	17.50	178	280733	8.808	nq	93
72) Anthracene	17.59	178	286210m	9.004	nq	
73) Carbazole	17.86	167	246895	8.654	nq	94
74) Di-n-butylphthalate	18.43	149	272315	8.419	nq #	92
75) Fluoranthene	19.51	202	351700	9.078	nq	89
77) Benzidine	19.68	184	169036	7.678	nq	97
78) Pyrene	19.87	202	365882	9.155	nq #	88
80) Butylbenzylphthalate	20.76	149	114617	7.480	nq	91
81) Benzo(a)anthracene	21.72	228	346569m	8.684	nq	
82) 3,3'-Dichlorobenzidine	21.63	252	133863	8.355	nq #	95
83) Chrysene	21.79	228	329110	8.603	nq	89
84) Bis(2-ethylhexyl)phthalate	21.64	149	170383	8.061	nq	96
85) Di-n-octyl phthalate	22.88	149	276798	7.782	nq #	89
86) Indeno(1,2,3-cd)pyrene	28.76	276	375665	7.418	nq #	89
88) Benzo(b)fluoranthene	23.98	252	335052	8.008	nq	93
89) Benzo(k)fluoranthene	24.04	252	346652	8.506	nq #	92
90) Benzo(a)pyrene	24.86	252	333046	8.300	nq #	93
91) Dibenzo(a,h)anthracene	28.83	278	316238	8.027	nq	95
92) Benzo(g,h,i)perylene	29.92	276	312769	7.946	nq #	93

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

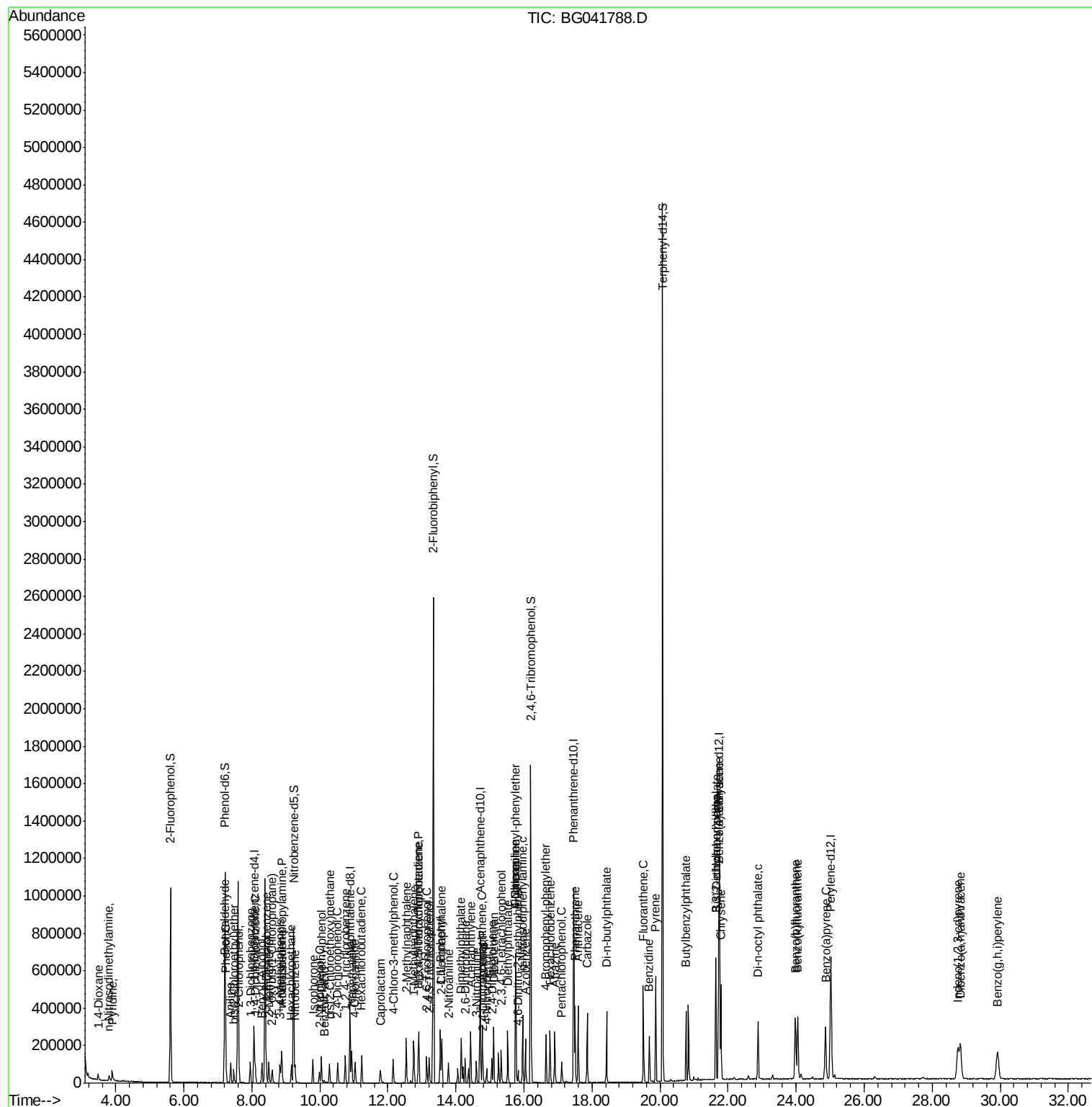
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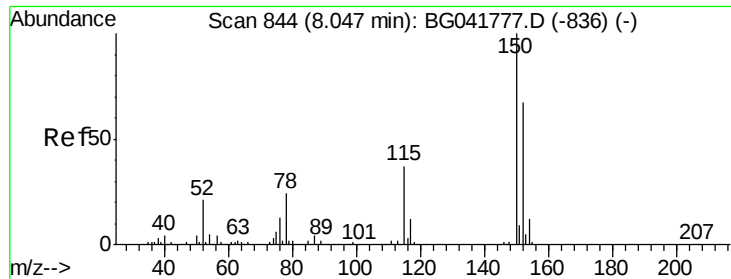
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

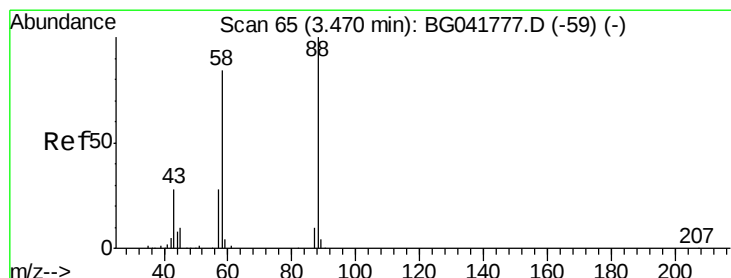
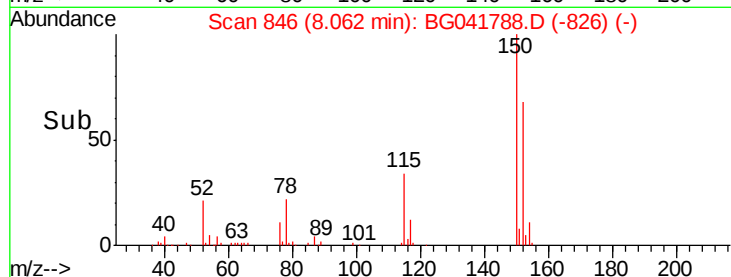
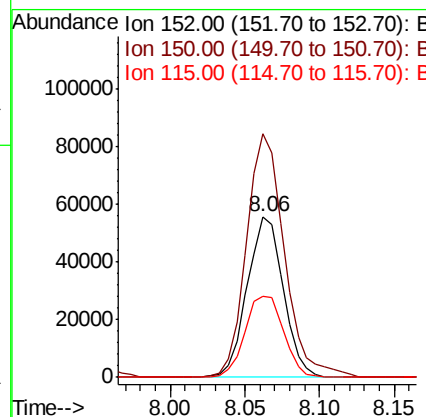
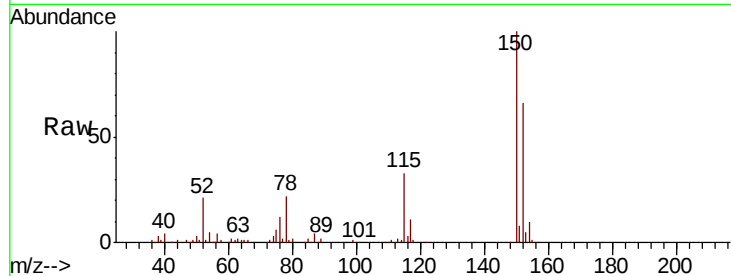
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	152	Resp:	92945
Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.9	190.3
115	50.3	45.0	67.6

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#2

1,4-Dioxane

Concen: 8.385 ng

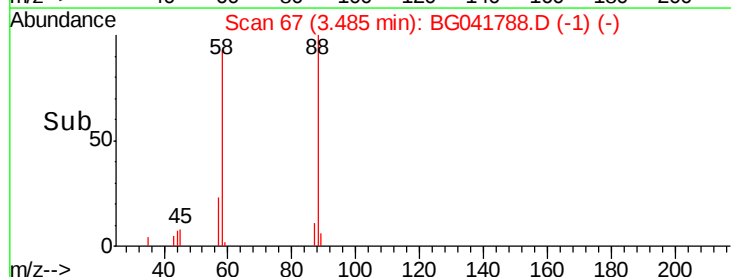
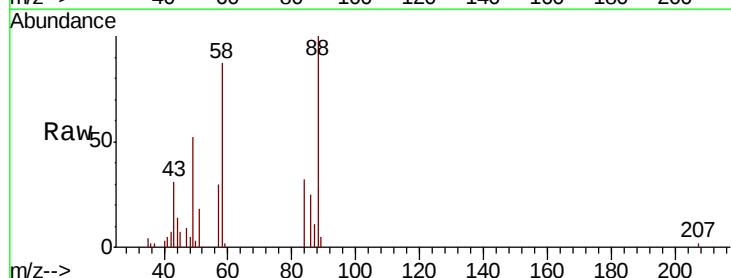
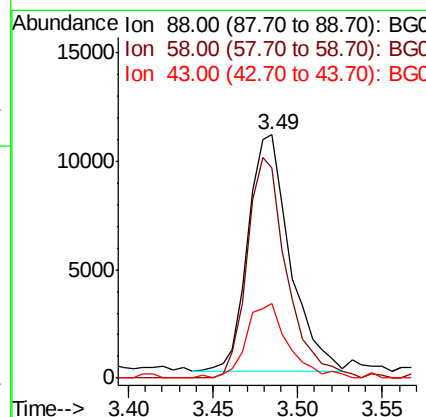
RT: 3.49 min Scan# 67

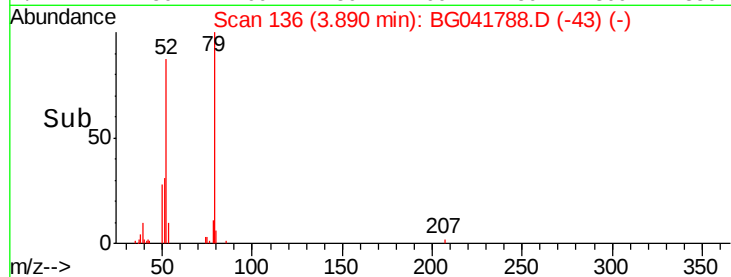
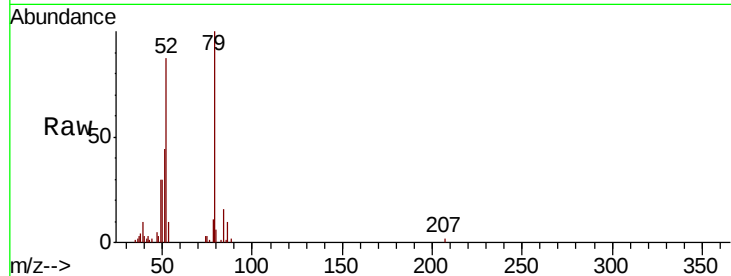
Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	88	Resp:	18853
Ion	Ratio	Lower	Upper
88	100		
58	88.0	76.2	114.2
43	31.4	27.2	40.8





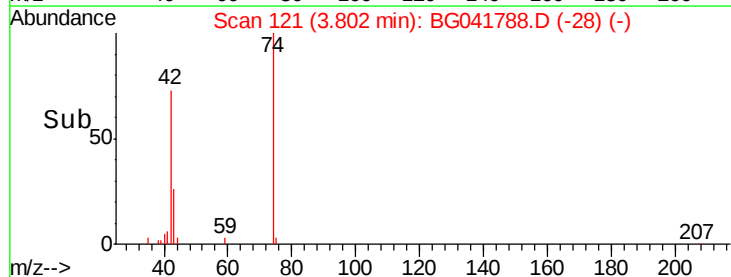
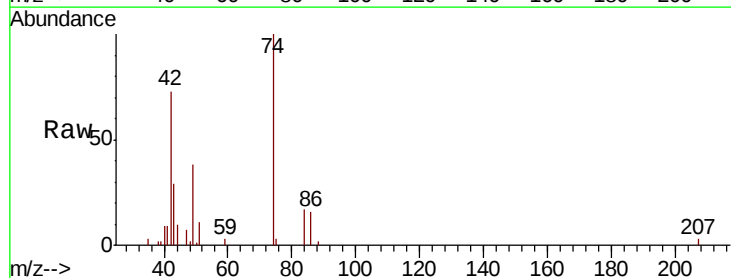
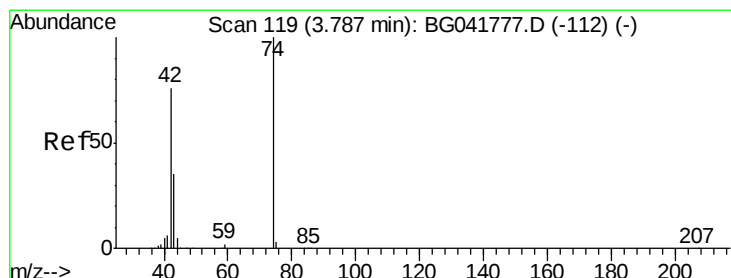
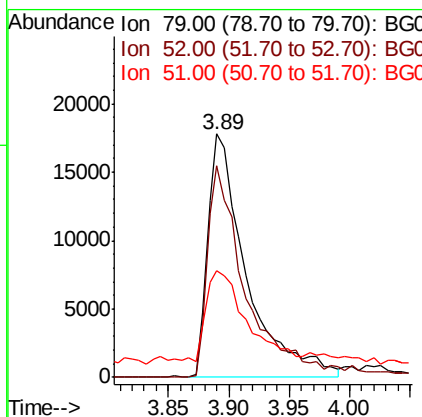
#3
 Pvridine
 Concen: 6.353 ng
 RT: 3.89 min Scan# 136
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tot Ion:	79	Resp:	39172
Ion Ratio	Lower	Upper	
79	100		
52	86.9	77.1	115.7
51	43.9	37.8	56.8

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 LOD-MDL-SOIL-01-QT3-2019

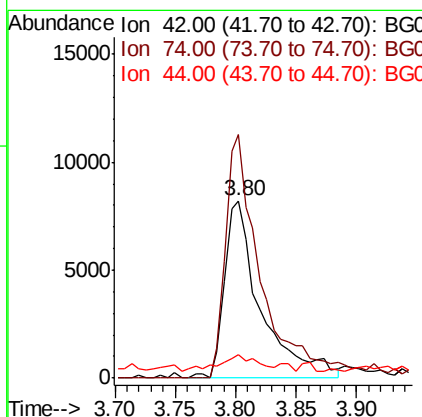
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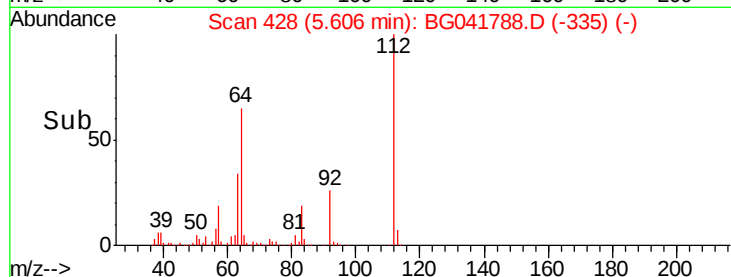
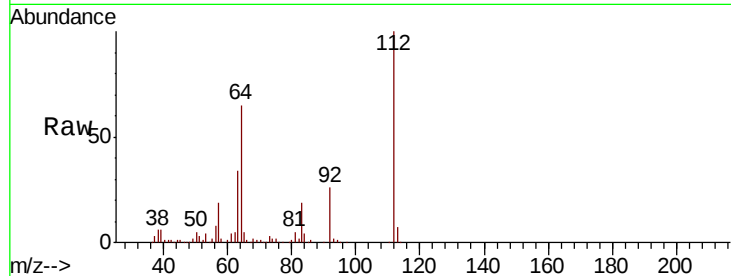
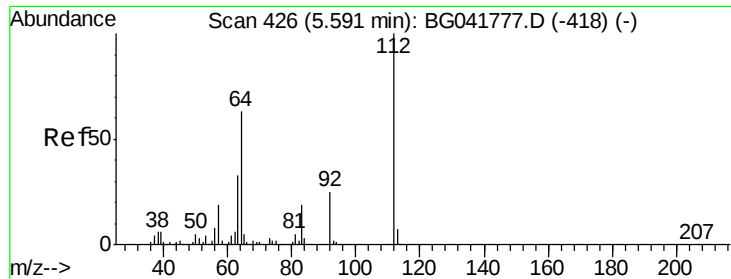
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#4
 n-Nitrosodimethylamine
 Concen: 6.978 ng
 RT: 3.80 min Scan# 121
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:	42	Resp:	17057
Ion Ratio	Lower	Upper	
42	100		
74	137.5	97.4	146.2
44	13.3	6.6	9.8#





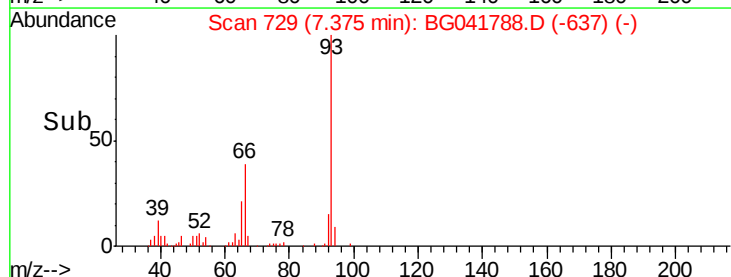
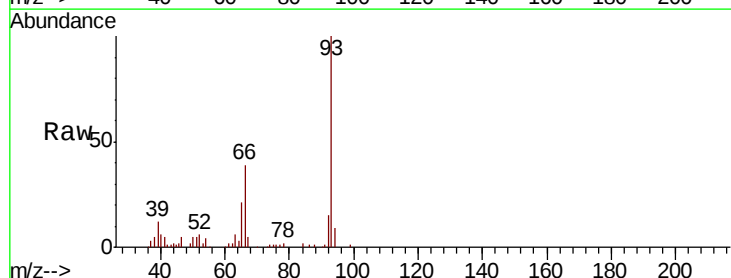
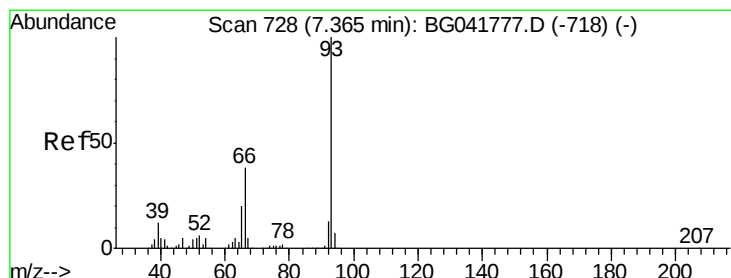
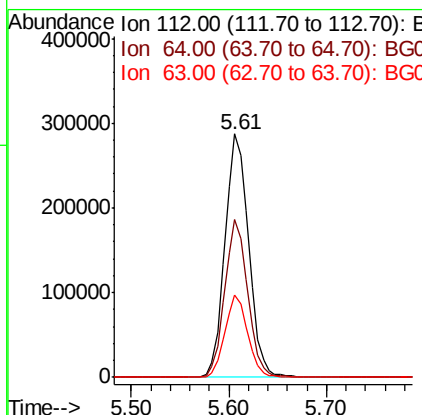
#5
2-Fluorophenol
Concen: 101.537 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	64.7	55.4	83.2
63	34.0	29.1	43.7

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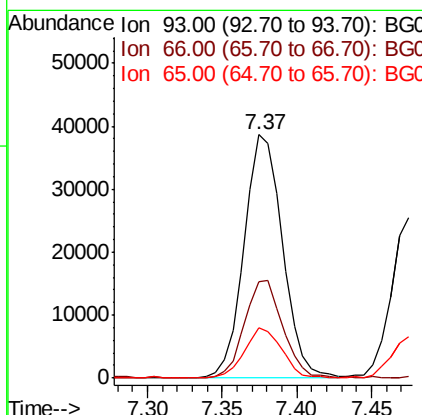
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#6
Aniline
Concen: 7.607 ng
RT: 7.37 min Scan# 729
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	39.4	34.2	51.2
65	20.6	18.2	27.2





#7

Phenol-d6

Concen: 101.263 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

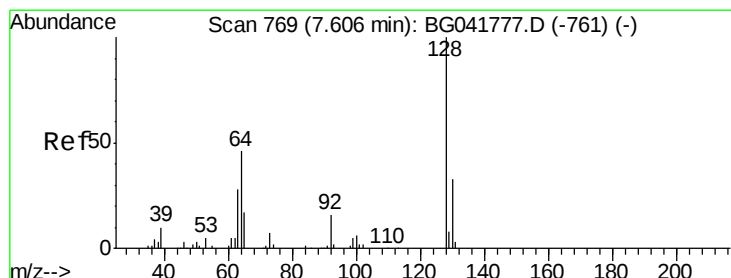
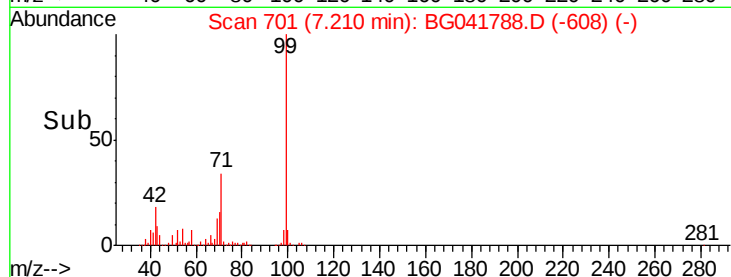
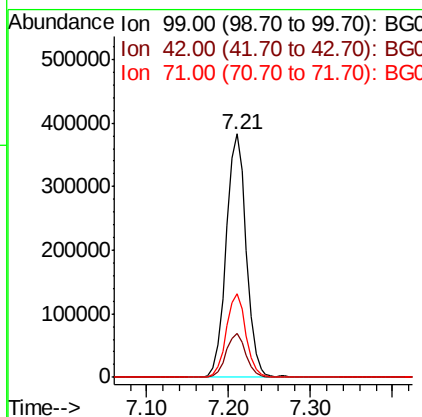
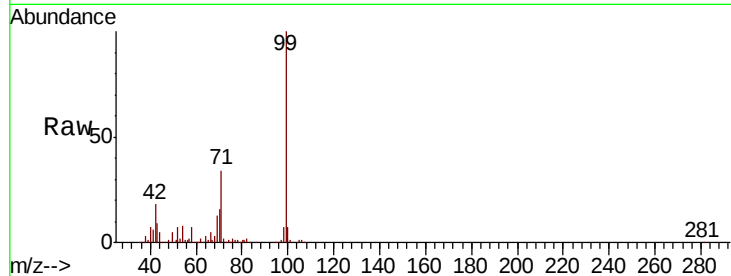
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	99	Resp:	652172
Ion Ratio	Lower	Upper	
99	100		
42	18.0	17.6	26.4
71	34.3	27.8	41.6

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#8

2-Chlorophenol

Concen: 8.182 ng

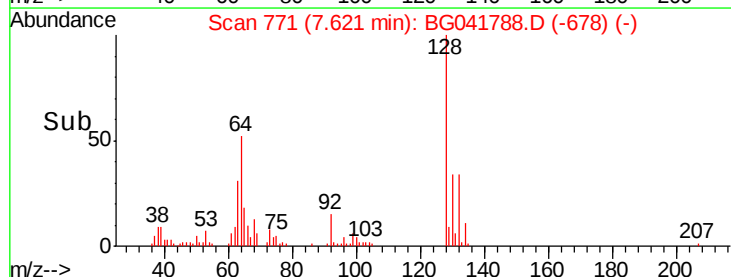
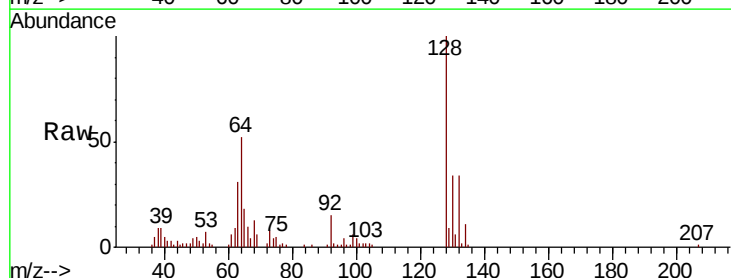
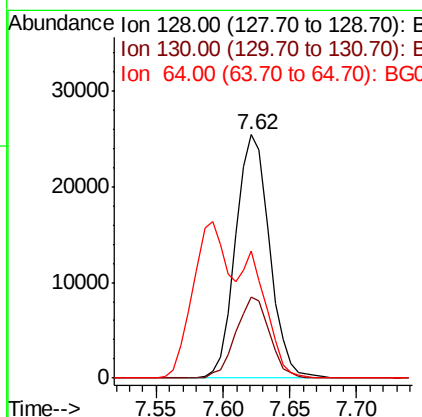
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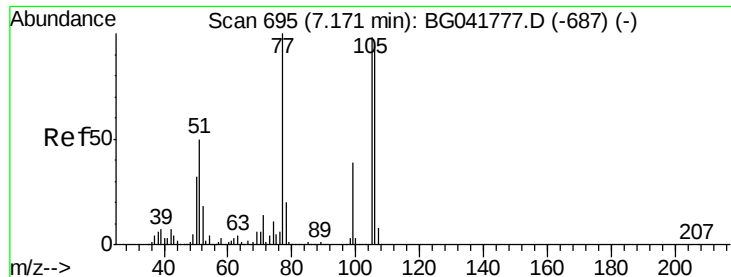
Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	128	Resp:	44757
Ion Ratio	Lower	Upper	
128	100		
130	33.6	12.4	52.4
64	52.1	34.9	74.9





#9

Benzaldehyde

Concen: 8.776 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

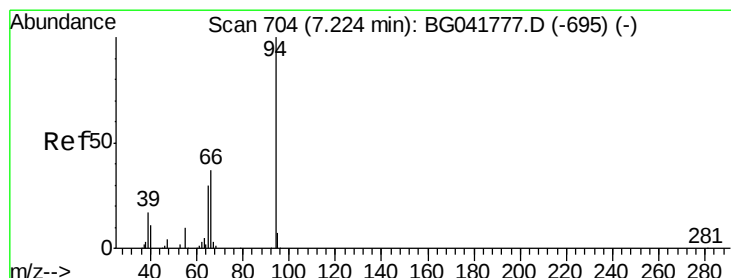
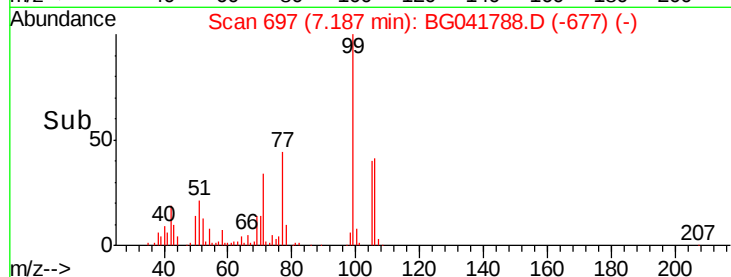
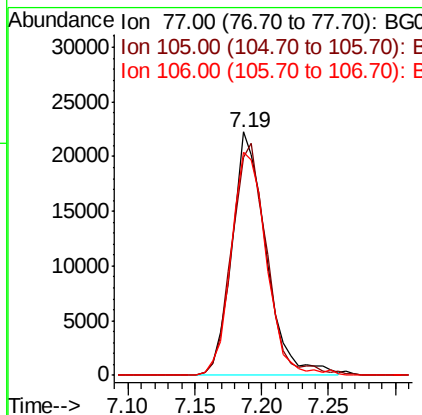
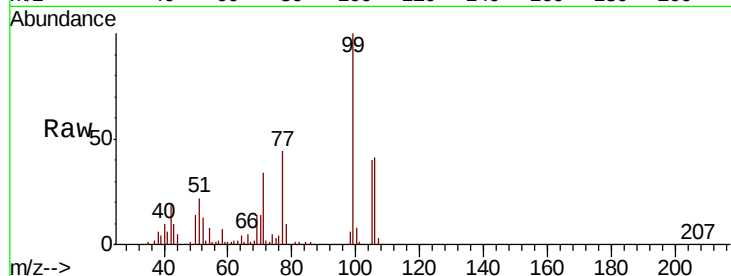
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	77	Resp:	39772
Ion	Ratio	Lower	Upper
77	100		
105	89.6	74.6	114.6
106	91.8	71.1	111.1

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#10

Phenol

Concen: 7.811 ng

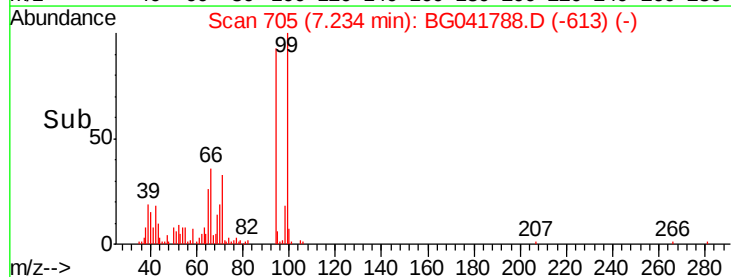
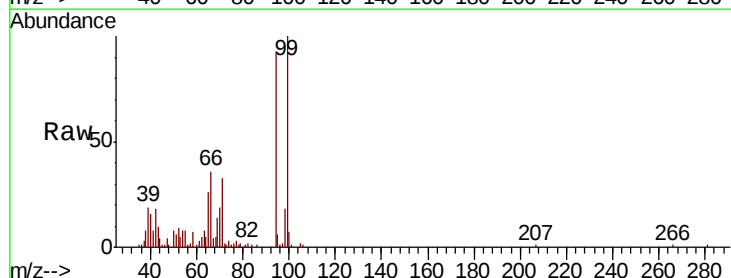
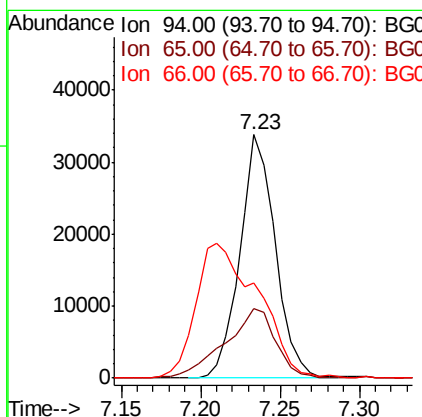
RT: 7.23 min Scan# 705

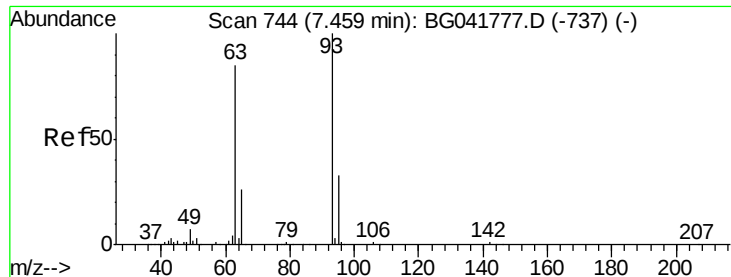
Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	94	Resp:	52333
Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.6	50.6
66	39.0	18.2	58.2





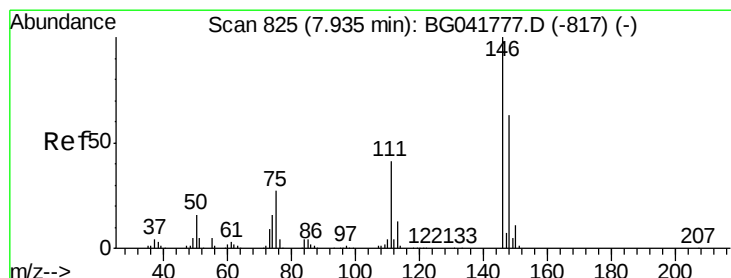
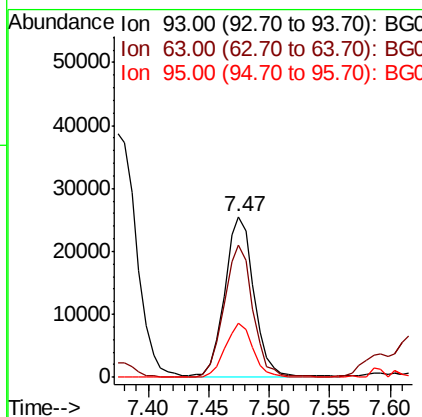
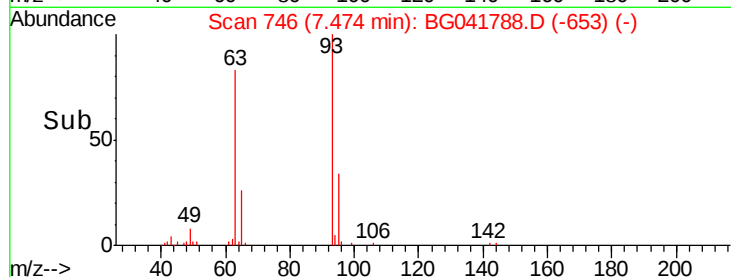
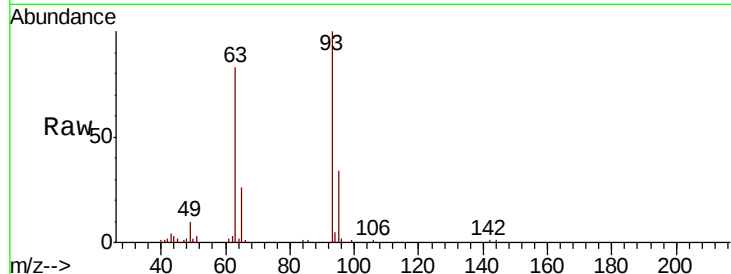
#11
bis(2-Chloroethyl)ether
Concen: 7.690 ng
RT: 7.47 min Scan# 746
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.6	70.4	110.4
95	33.9	12.8	52.8

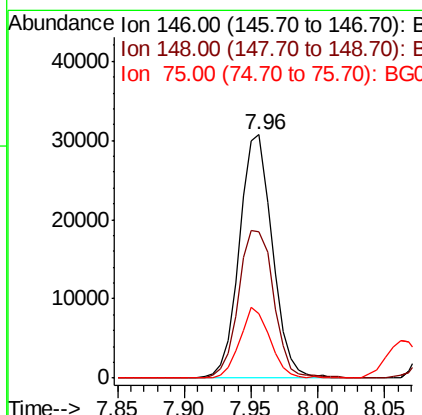
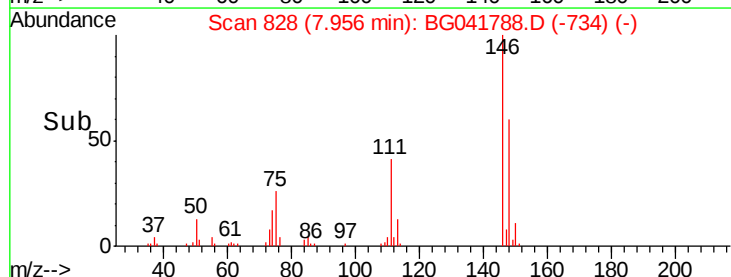
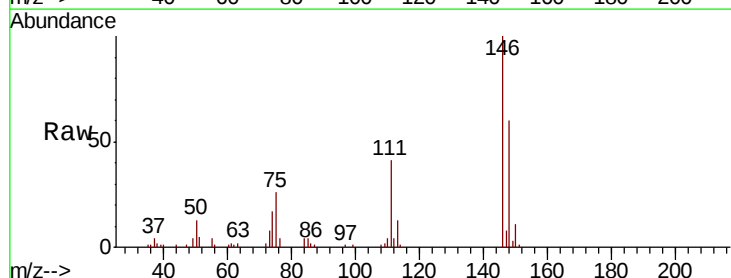
Manual Integrations
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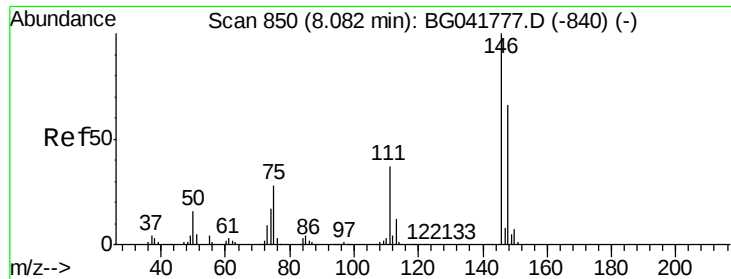
mohammad
7/30/2019 4:52:26 PM



#12
1,3-Dichlorobenzene
Concen: 7.336 ng
RT: 7.96 min Scan# 828
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.1	51.5	77.3
75	26.3	23.2	34.8





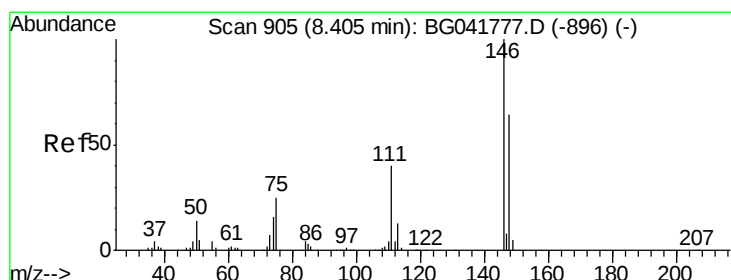
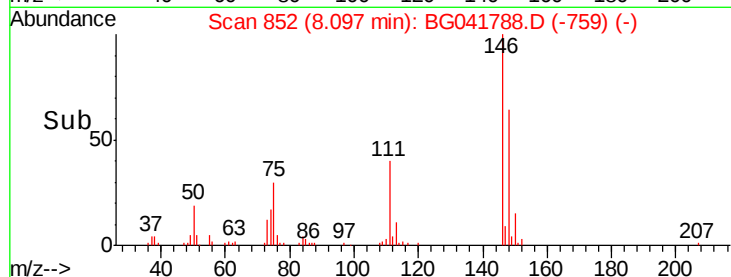
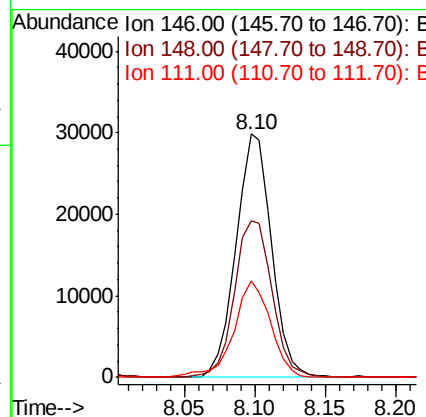
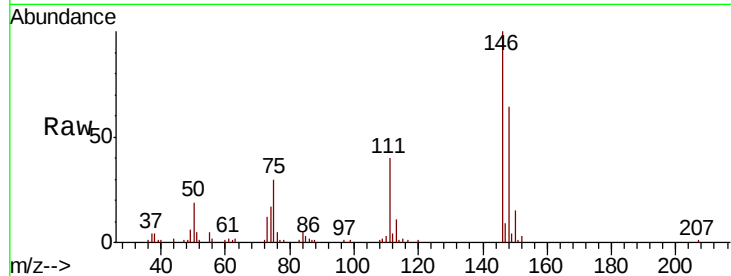
#13
 1,4-Dichlorobenzene
 Concen: 7.337 ng
 RT: 8.10 min Scan# 852
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.6	79.0
111	39.9	32.5	48.7

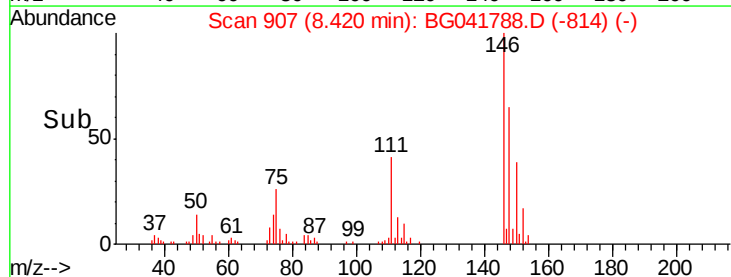
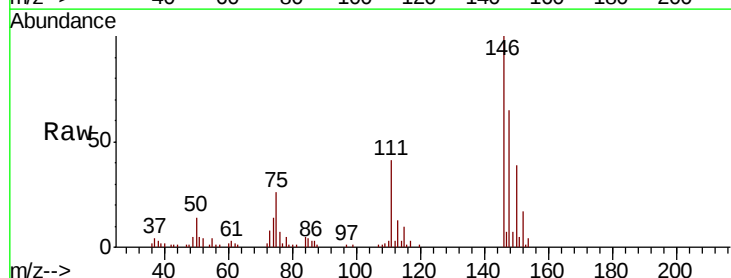
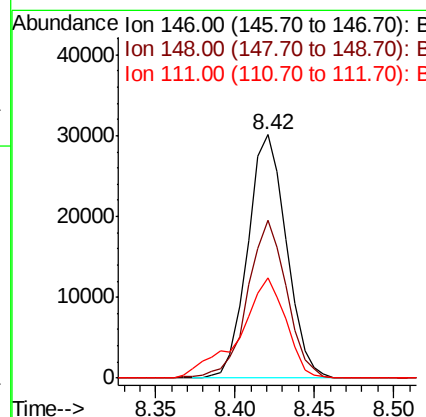
Manual Integrations
 APPROVED

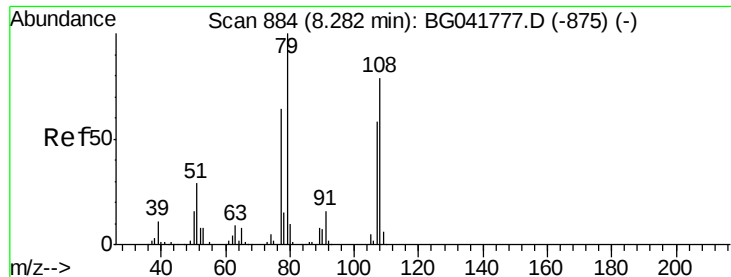
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 7.485 ng
 RT: 8.42 min Scan# 907
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	53.5	80.3
111	41.0	35.4	53.0





#15

Benzyl Alcohol

Concen: 7.497 ng

RT: 8.29 min Scan# 885

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

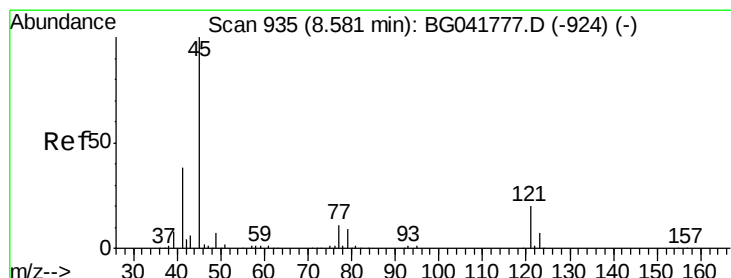
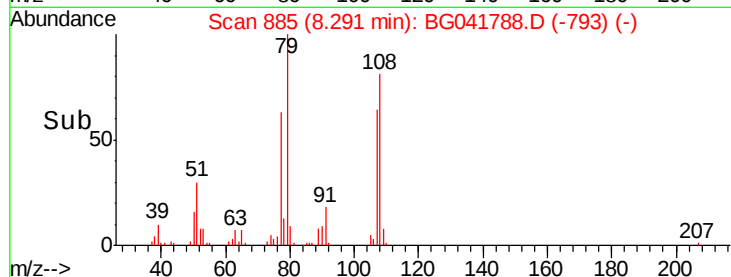
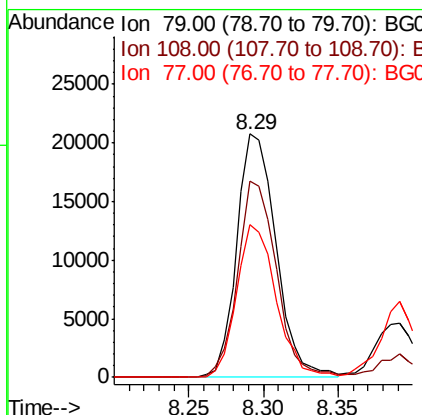
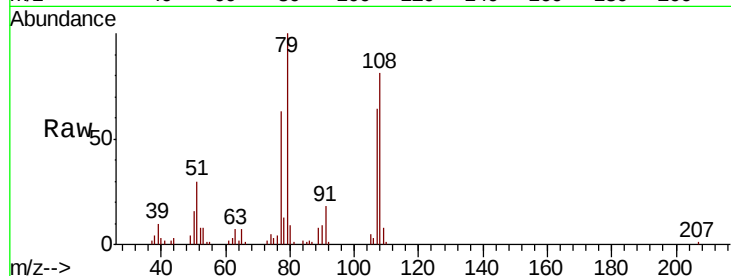
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	79	Resp:	37986
Ion Ratio	Lower	Upper	
79	100		
108	80.8	60.5	90.7
77	62.7	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.534 ng

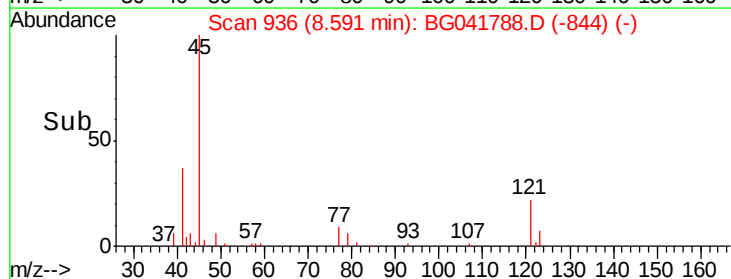
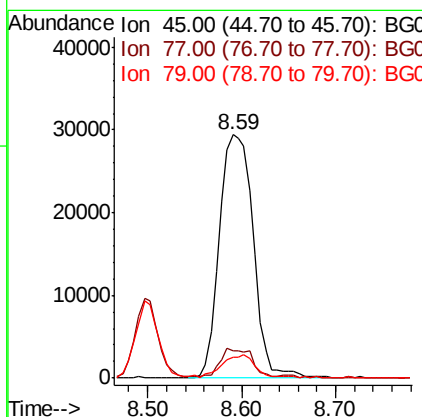
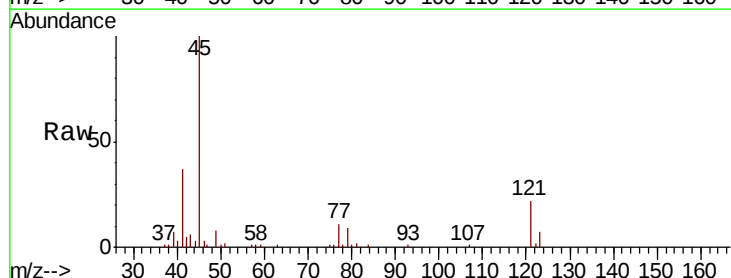
RT: 8.59 min Scan# 936

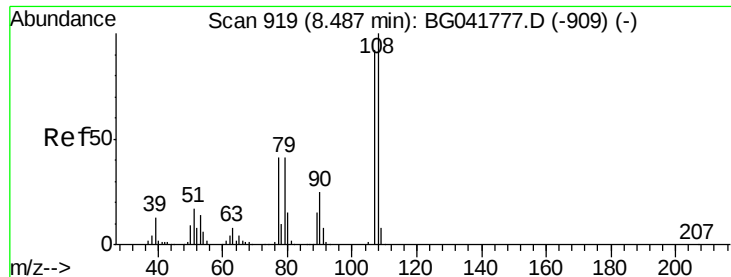
Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	45	Resp:	73836
Ion Ratio	Lower	Upper	
45	100		
77	11.1	0.0	30.4
79	8.6	0.0	27.9





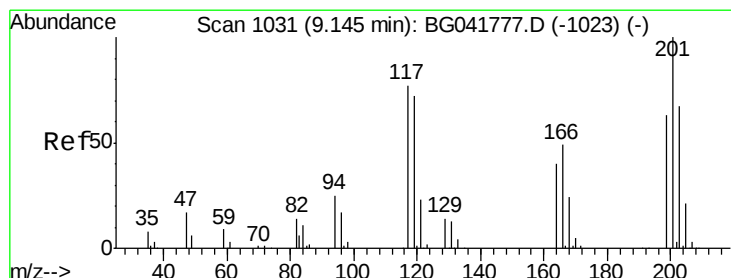
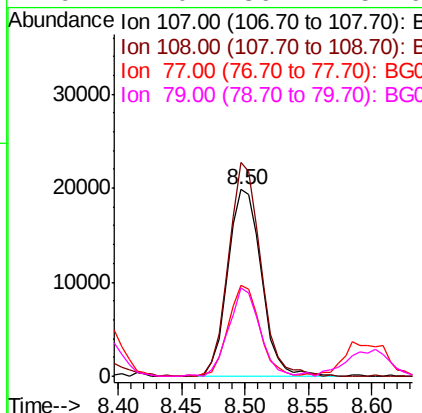
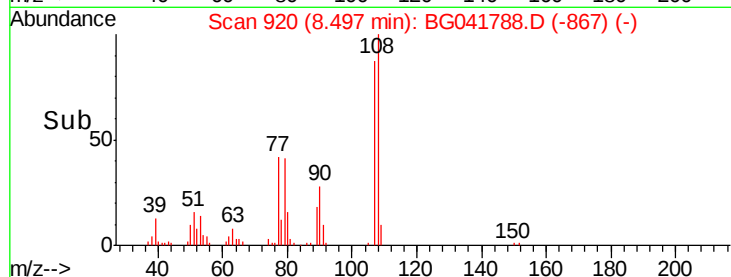
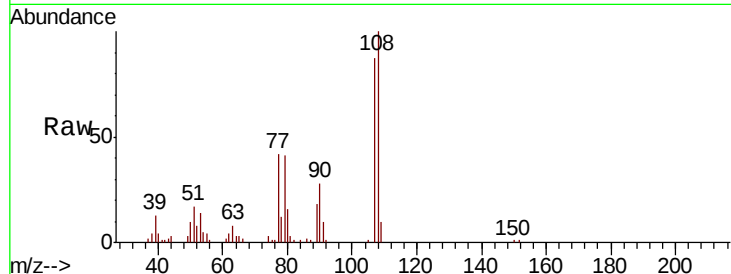
#17
2-Methylphenol
Concen: 7.471 ng
RT: 8.50 min Scan# 920
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.4	87.6	131.4	
77	48.4	36.1	54.1	
79	47.0	36.4	54.6	

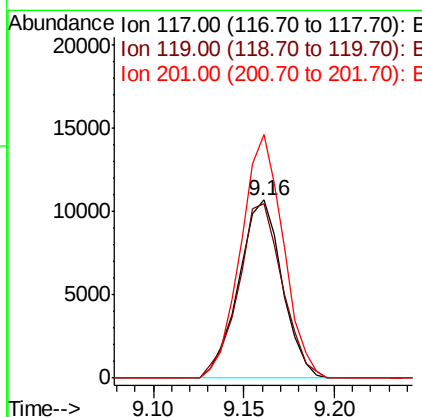
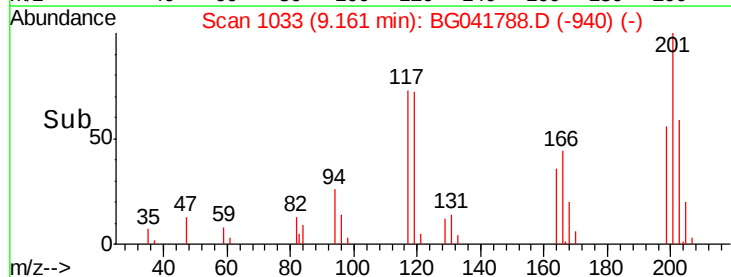
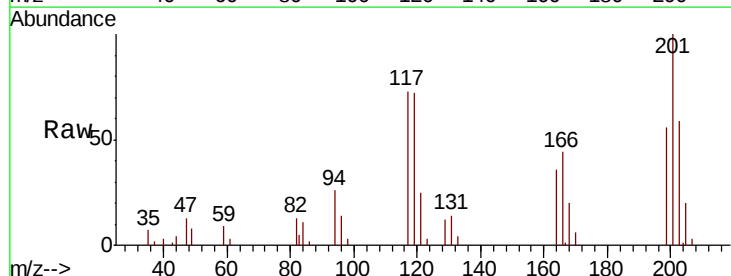
Manual Integrations
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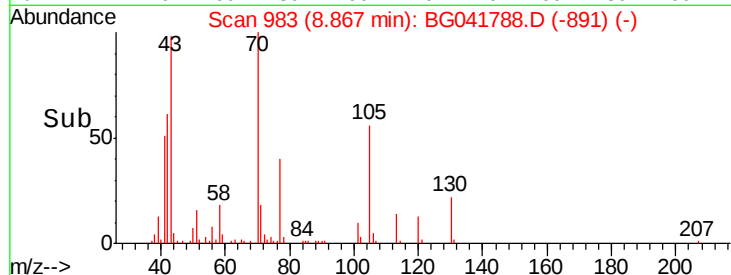
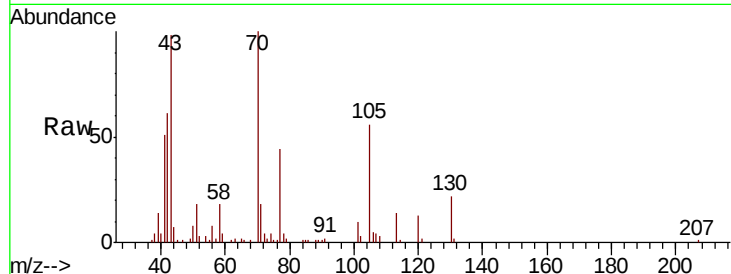
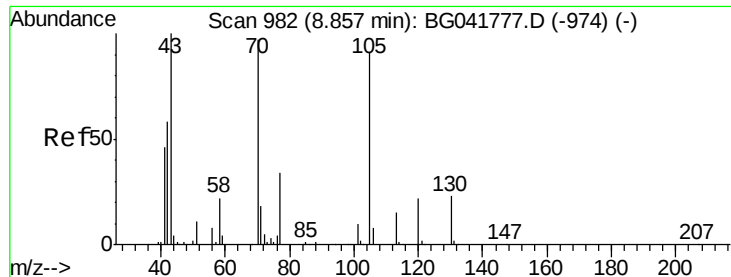
mohammad
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#18
Hexachloroethane
Concen: 7.288 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.9	76.2	114.2	
201	136.6	94.1	141.1	





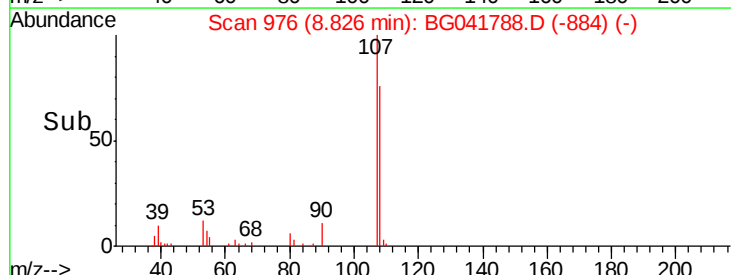
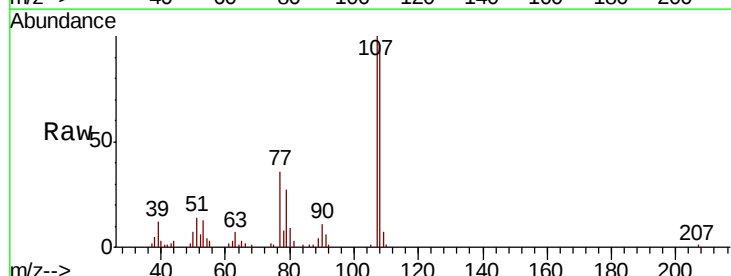
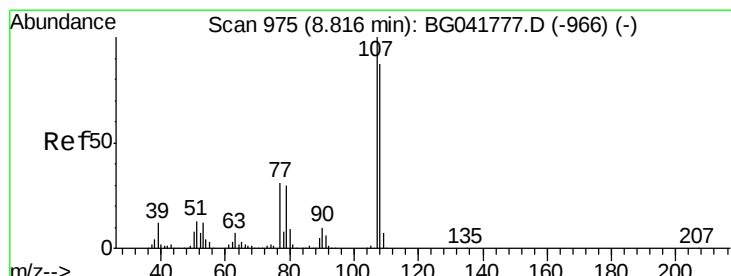
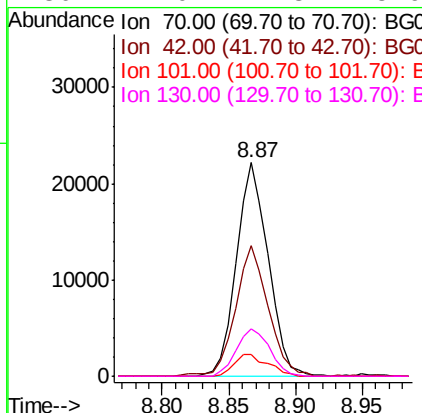
#19
n-Nitroso-di-n-propylamine
Concen: 7.817 ng
RT: 8.87 min Scan# 983
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	60.9	55.8	83.6	
101	10.0	8.1	12.1	
130	22.0	17.3	25.9	

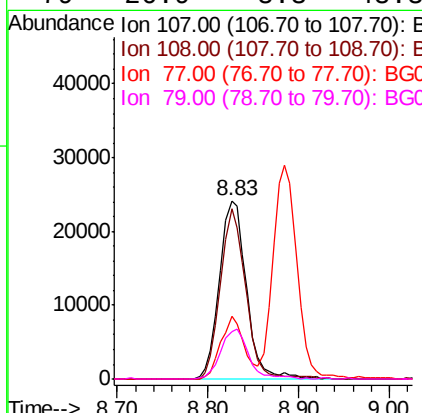
Manual Integrations
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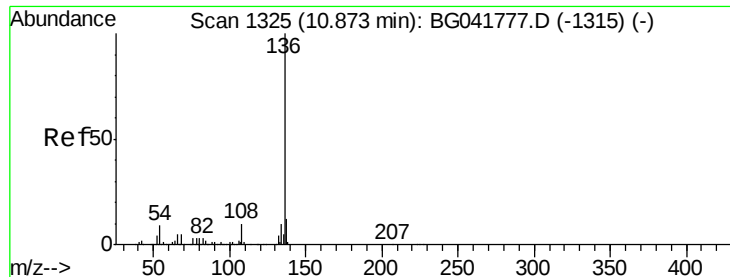
mohammad
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#20
3+4-Methylphenols
Concen: 7.480 ng
RT: 8.83 min Scan# 976
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	95.6	67.5	107.5	
77	35.5	12.3	52.3	
79	26.9	8.3	48.3	





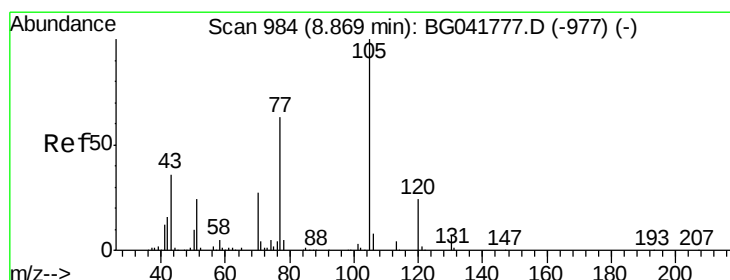
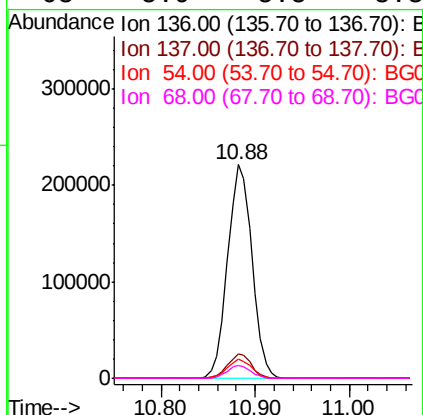
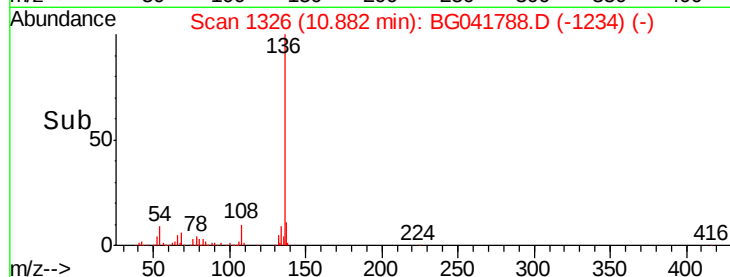
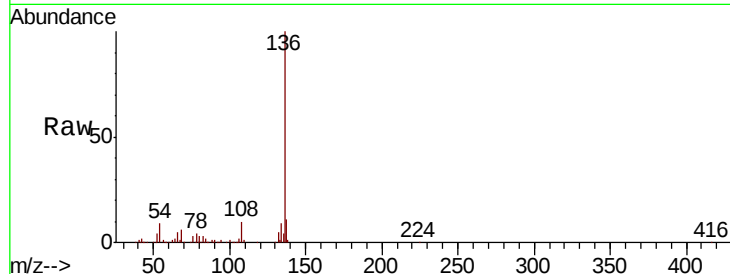
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.2	13.8	
54	8.9	8.7	13.1	
68	5.9	5.5	8.3	

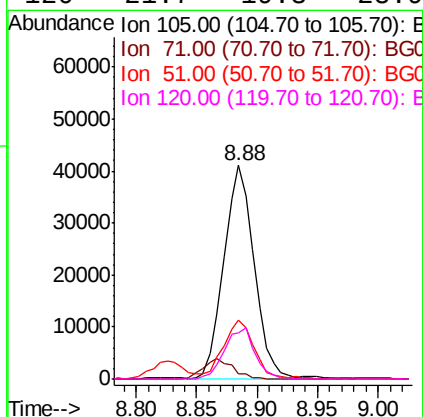
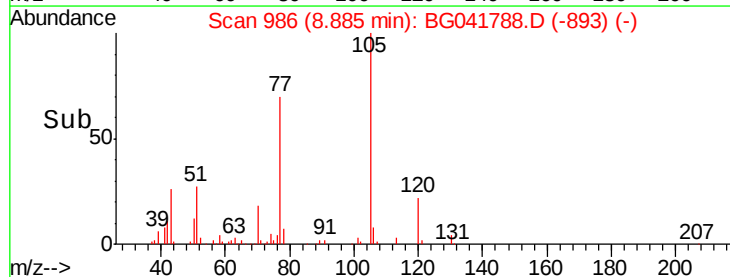
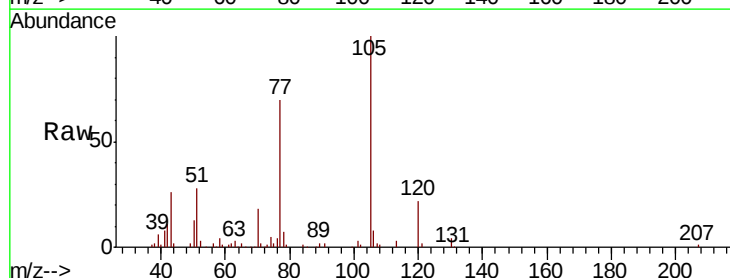
Manual Integrations
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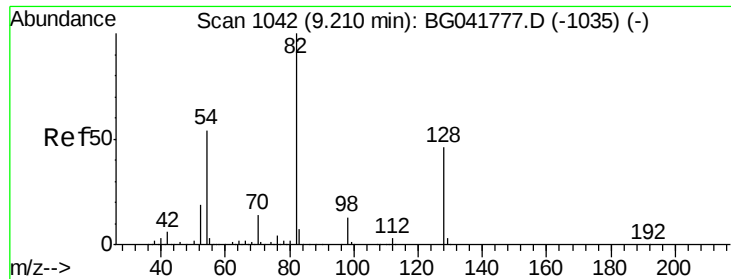
mohammad
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#22
Acetophenone
Concen: 8.092 ng
RT: 8.88 min Scan# 986
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.3	5.9	8.9#	
51	27.7	27.7	41.5	
120	21.7	19.3	28.9	





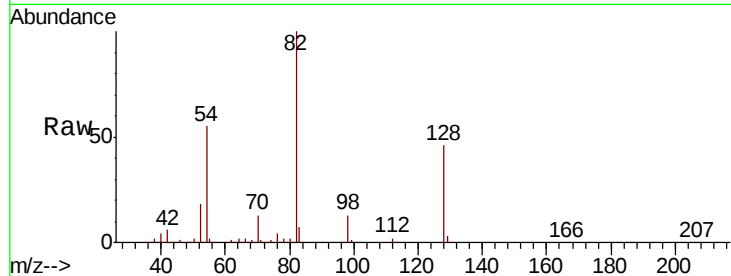
#23
Nitrobenzene-d5
Concen: 84.602 ng
RT: 9.23 min Scan# 1044
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	489649		
128	46.4		35.1	52.7
54	54.5		48.7	73.1

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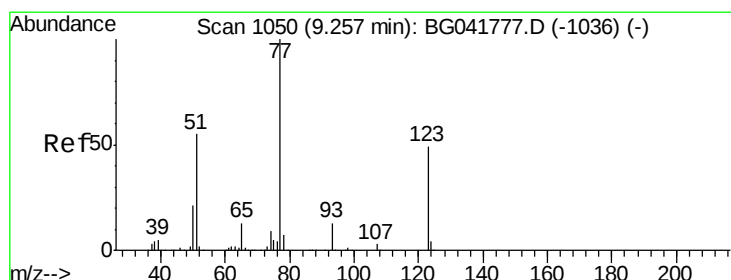
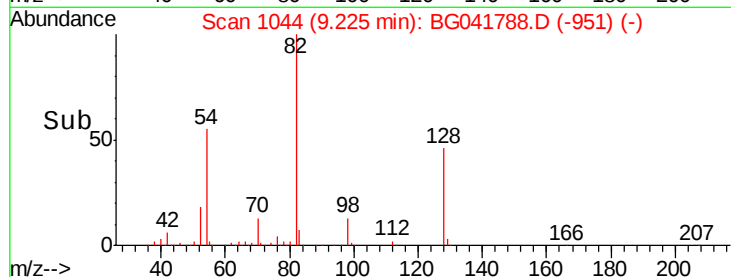
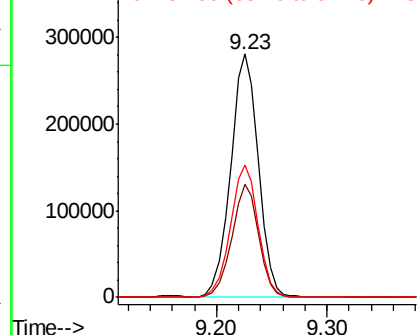


Abundance

Ion 82.00 (81.70 to 82.70): BGC

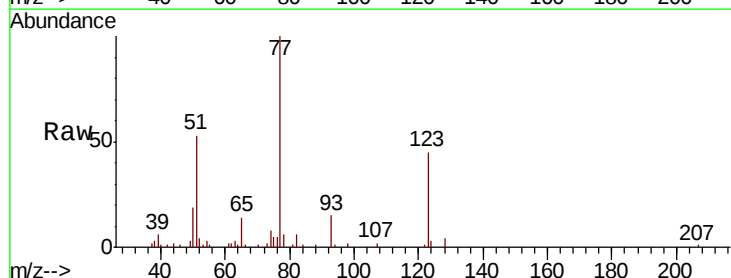
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24
Nitrobenzene
Concen: 8.340 ng
RT: 9.27 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	50849		
123	44.8		38.1	57.1
65	14.0		11.0	16.6

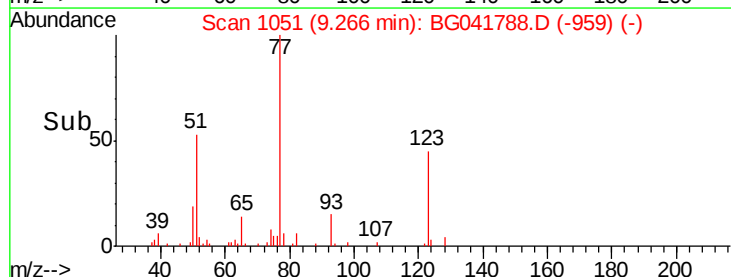
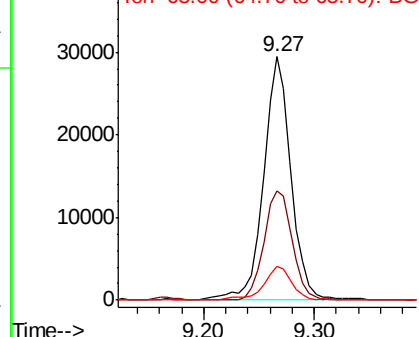


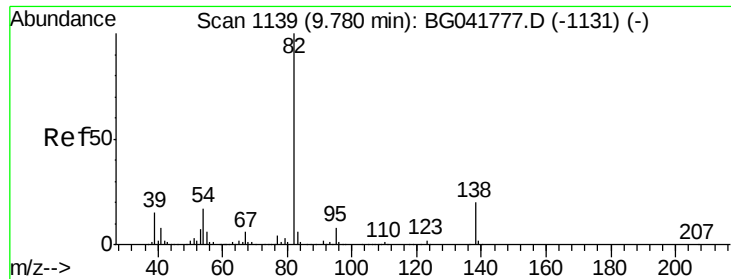
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





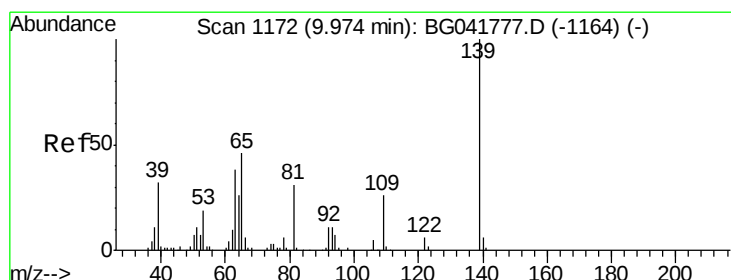
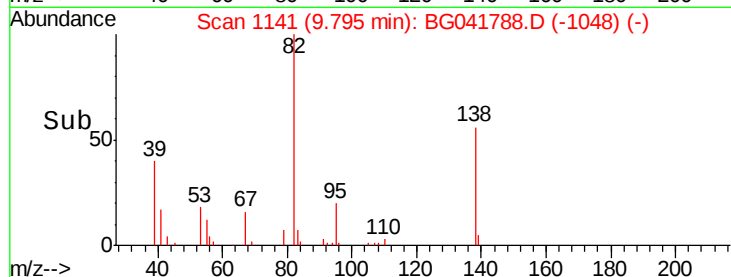
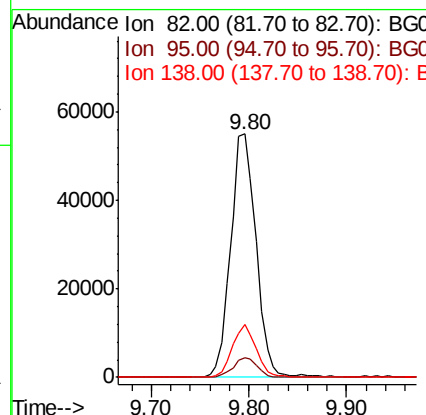
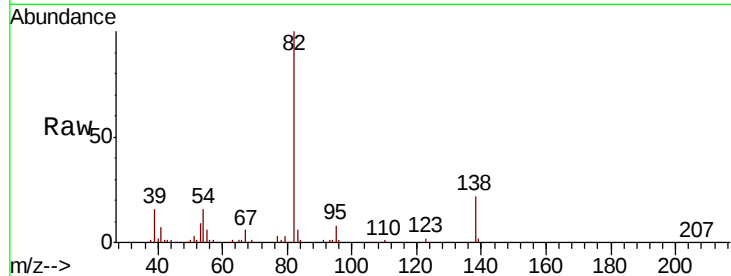
#25
Isophorone
Concen: 7.897 ng
RT: 9.80 min Scan# 1141
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	7.8	5.9	8.9	
138	21.7	16.3	24.5	

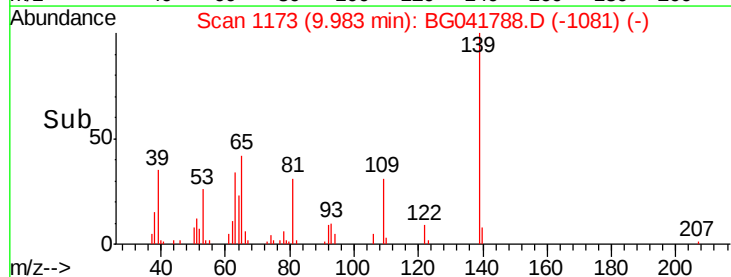
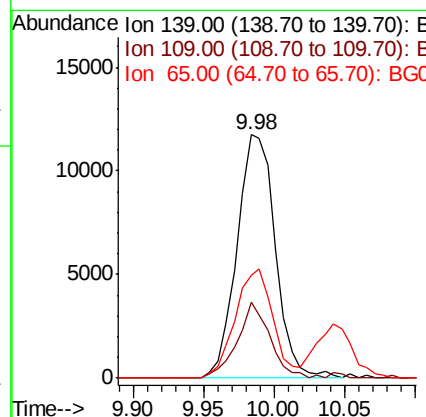
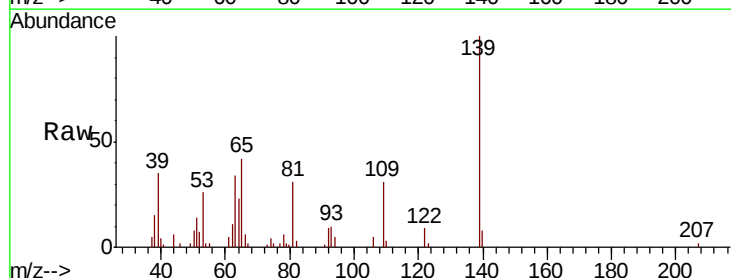
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#26
2-Nitrophenol
Concen: 7.875 ng
RT: 9.98 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	31.2	22.7	34.1	
65	42.1	41.1	61.7	





#27

2,4-Dimethylphenol

Concen: 8.985 ng

RT: 10.04 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

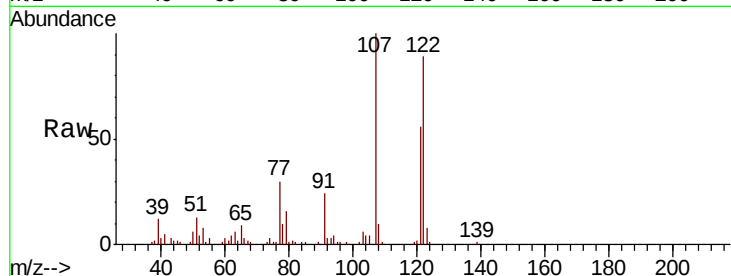
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	122	Resp:	44874
Ion	Ratio	Lower	Upper
122	100		
107	112.4	91.3	136.9
121	62.6	49.2	73.8

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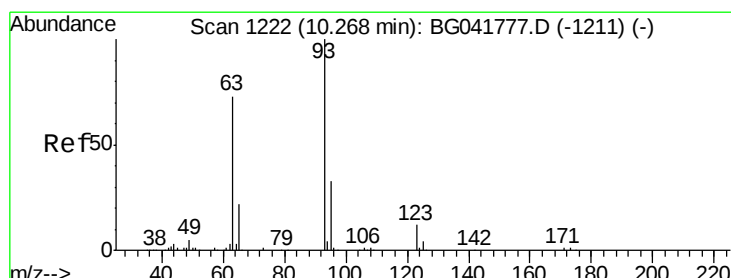
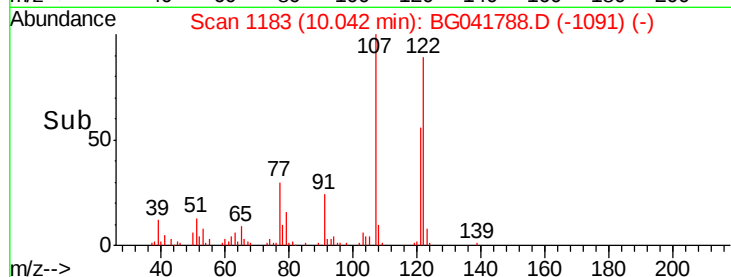
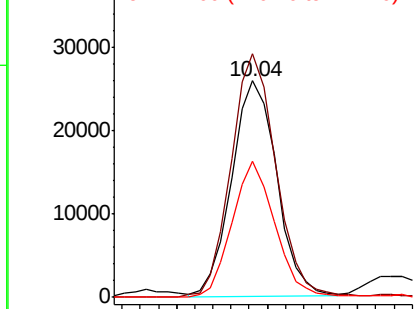


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.929 ng

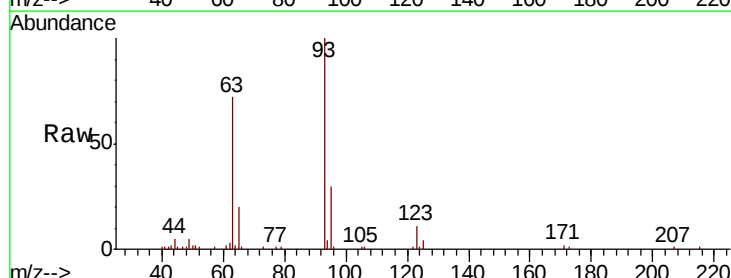
RT: 10.28 min Scan# 1224

Delta R.T. 0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	93	Resp:	62384
Ion	Ratio	Lower	Upper
93	100		
95	30.0	26.2	39.4
123	11.4	9.9	14.9

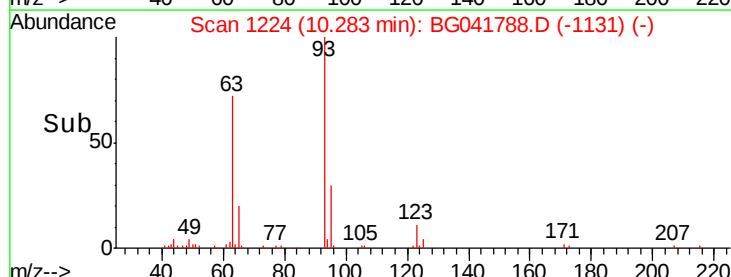
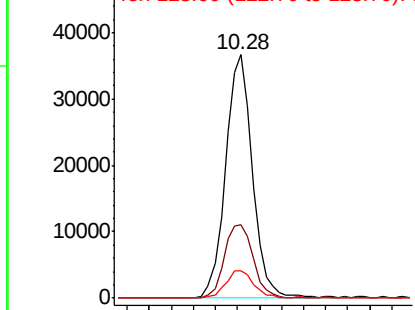


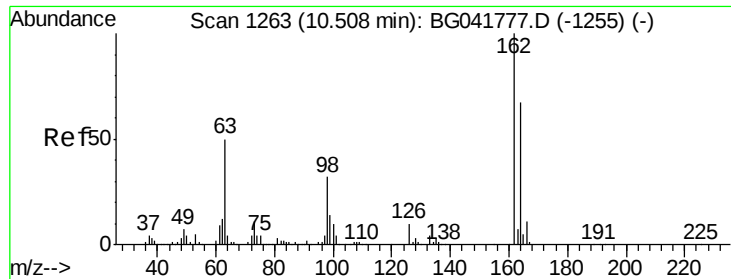
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





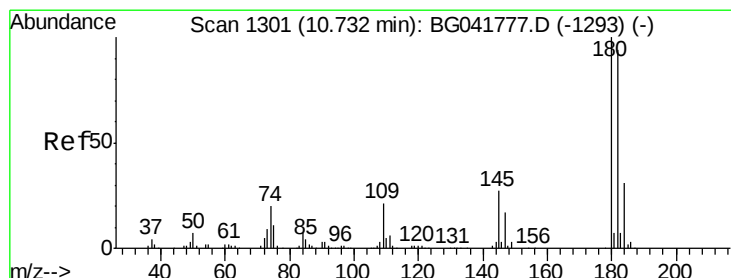
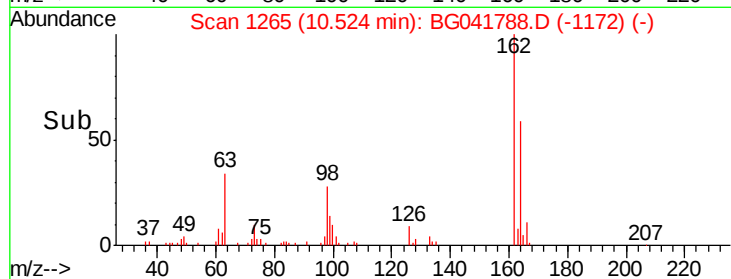
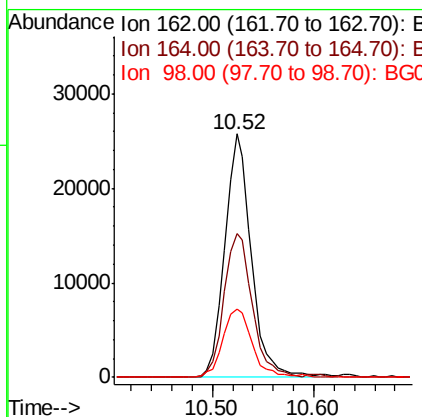
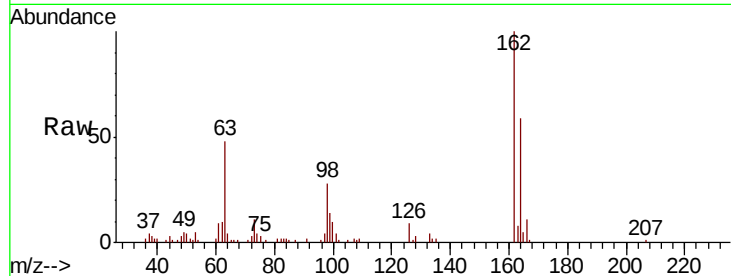
#29
2,4-Dichlorophenol
Concen: 7.688 ng
RT: 10.52 min Scan# 1265
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	59.2	46.1	86.1
98	27.9	14.7	54.7

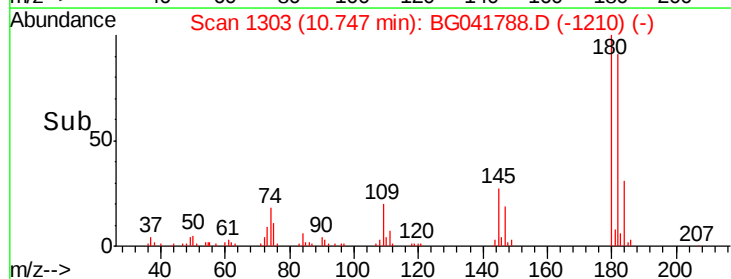
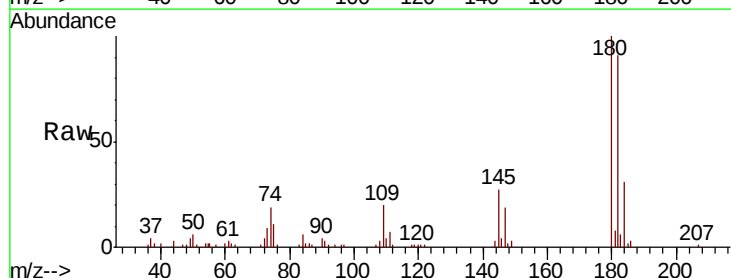
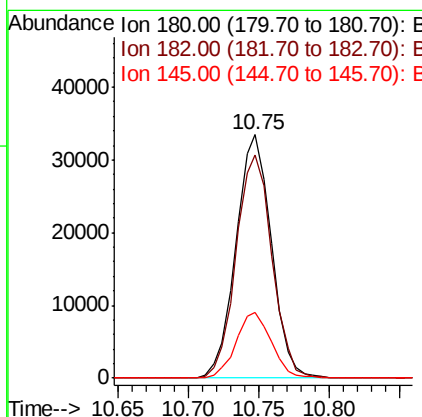
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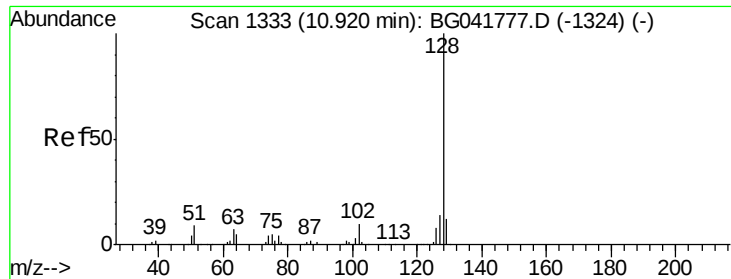
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 7.606 ng
RT: 10.75 min Scan# 1303
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.2	114.2
145	27.1	23.8	35.8





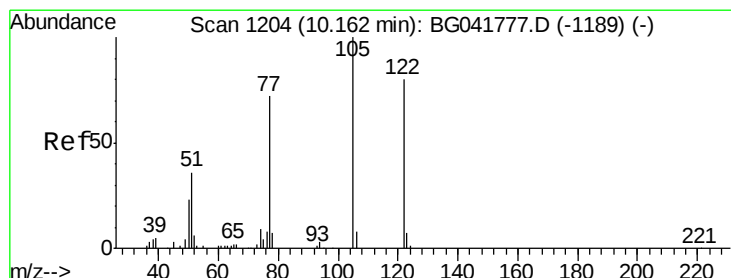
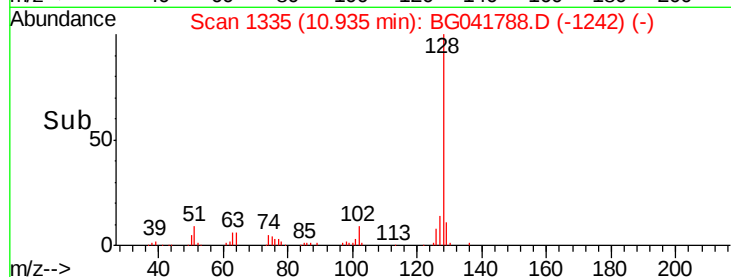
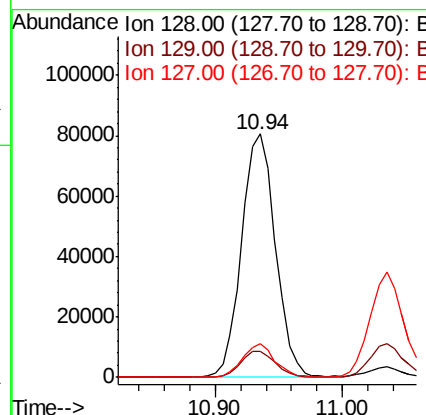
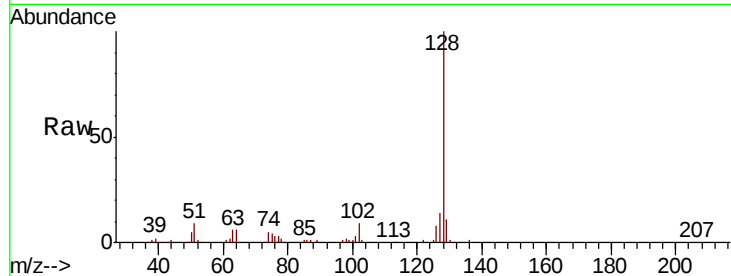
#31
Naphthalene
Concen: 8.193 ng
RT: 10.94 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	10.0	15.0
127	14.0	12.3	18.5

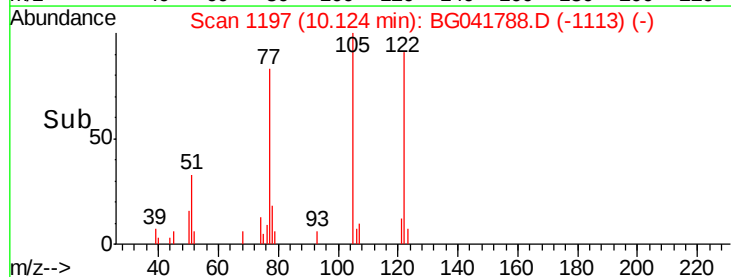
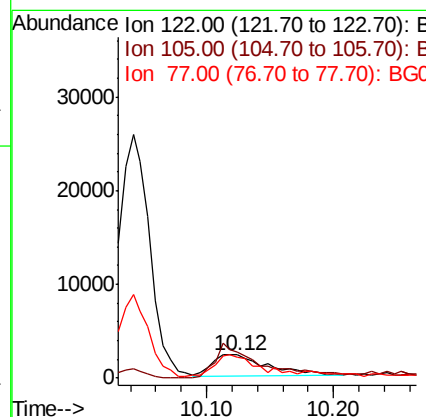
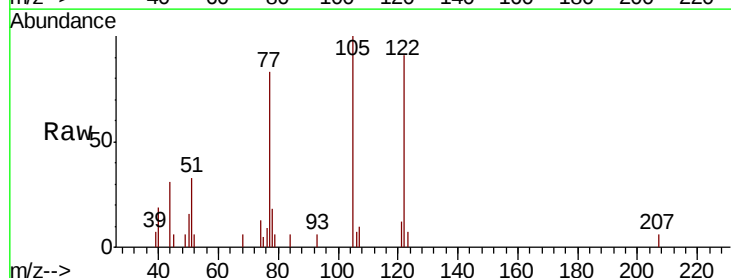
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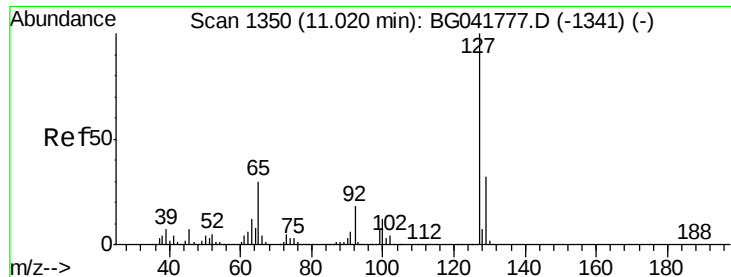
mohammad
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#32
Benzoic acid
Concen: 10.340 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
122	100		
105	110.2	101.5	141.5
77	91.4	73.0	113.0





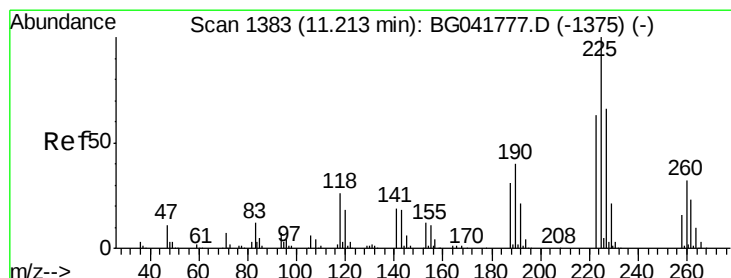
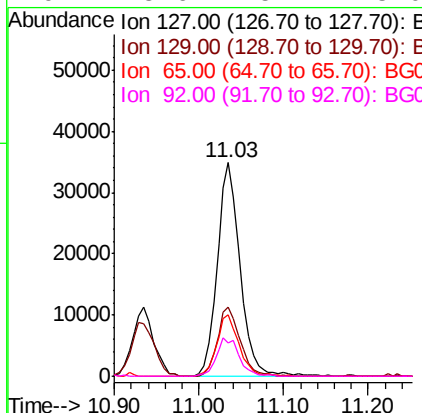
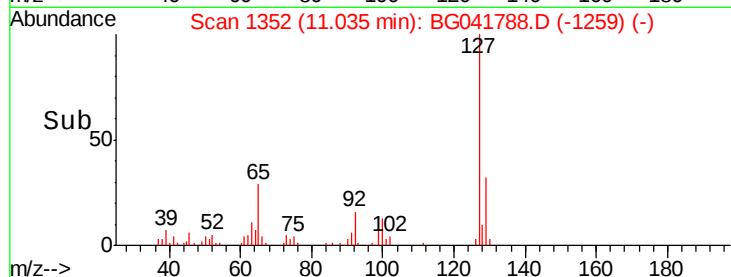
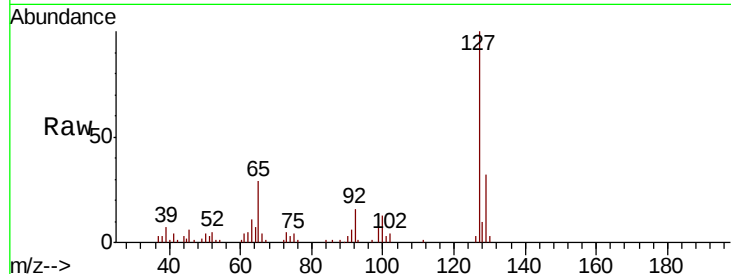
#33
4-Chloroaniline
Concen: 7.598 ng
RT: 11.03 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.8
65	28.8	26.7	40.1
92	15.6	15.4	23.0

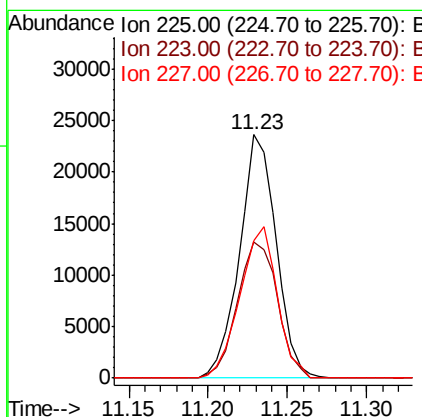
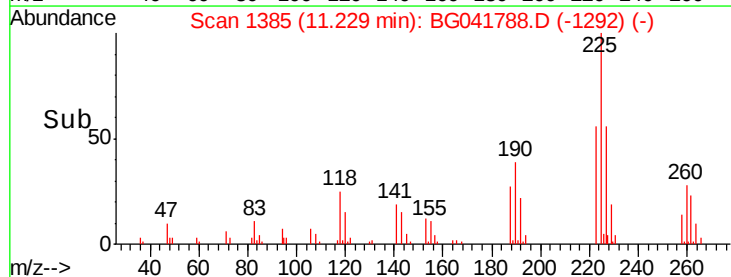
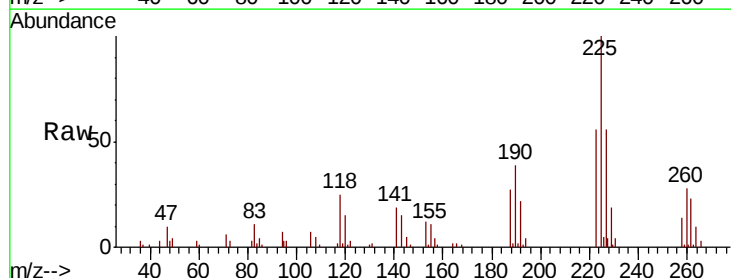
Manual Integrations
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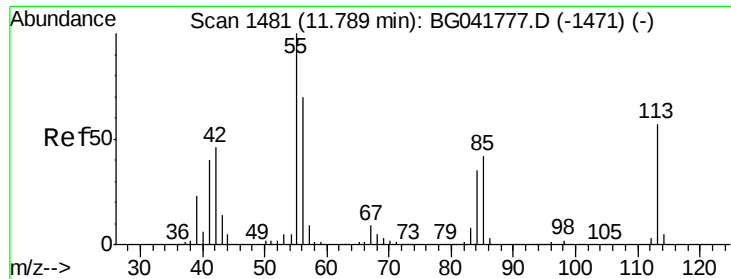
mohammad
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#34
Hexachlorobutadiene
Concen: 7.280 ng
RT: 11.23 min Scan# 1385
Delta R.T. 0.02 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.8	51.1	76.7
227	60.5	50.9	76.3





#35

Caprolactam

Concen: 7.918 ng

RT: 11.77 min Scan# 1477

Delta R.T. -0.02 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:113 Resp: 16737

Ion Ratio Lower Upper

113 100

55 150.7 199.4 239.4#

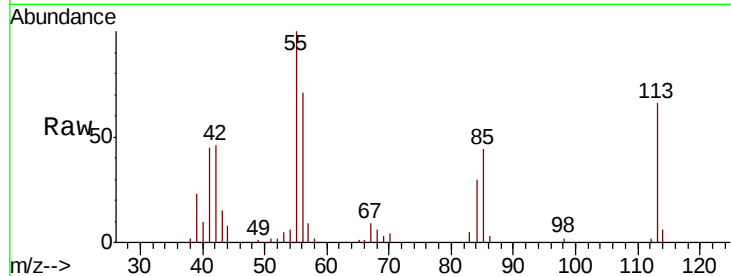
56 106.9 133.6 173.6#

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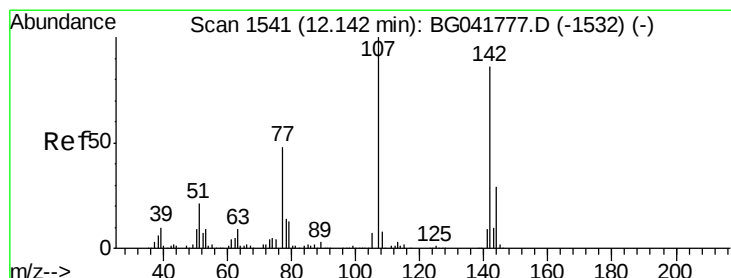
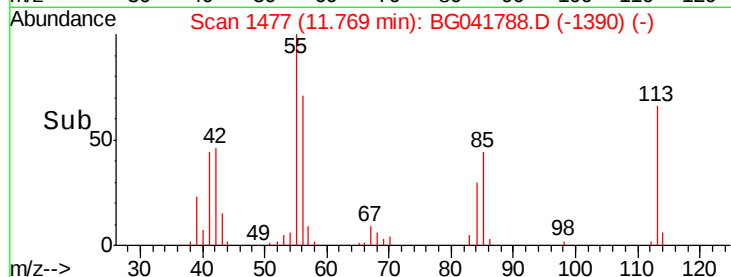
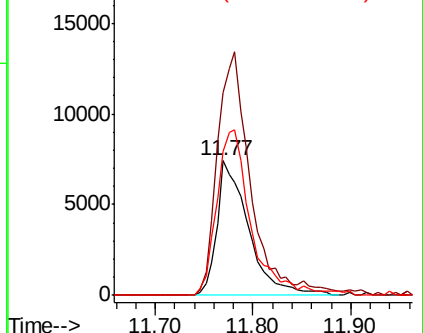
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG041777.D (-1471) (-)

Ion 56.00 (55.70 to 56.70): BG041777.D (-1471) (-)



#36

4-Chloro-3-methylphenol

Concen: 7.943 ng

RT: 12.15 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

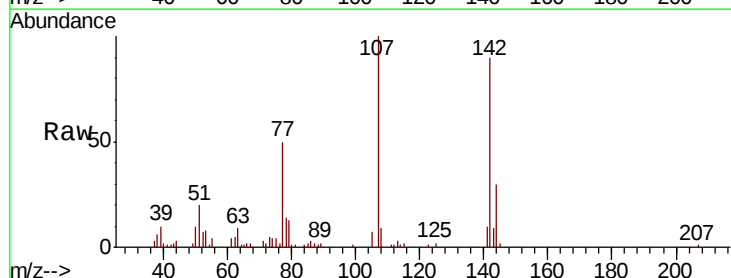
Tgt Ion:107 Resp: 47895

Ion Ratio Lower Upper

107 100

144 30.4 22.2 33.2

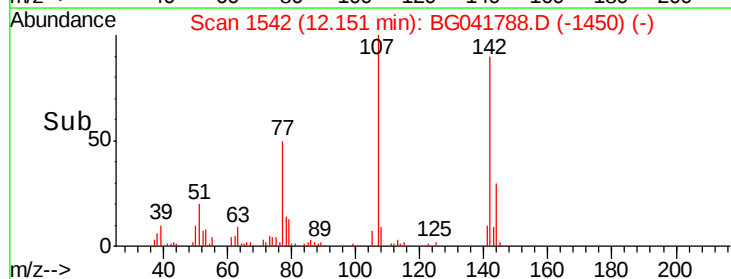
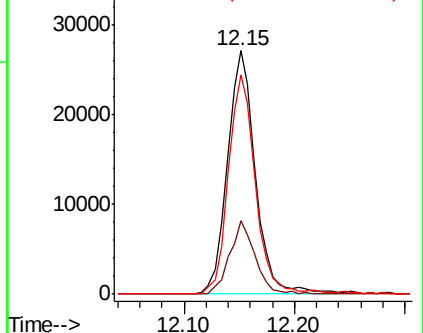
142 89.9 67.3 100.9

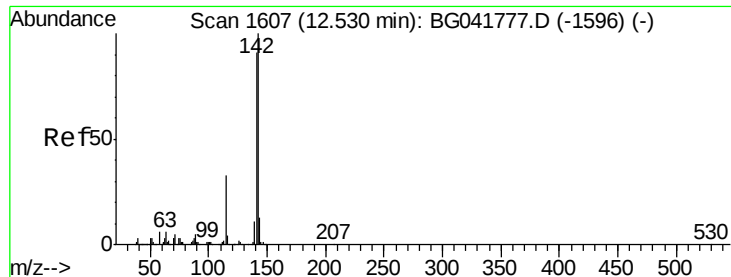


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





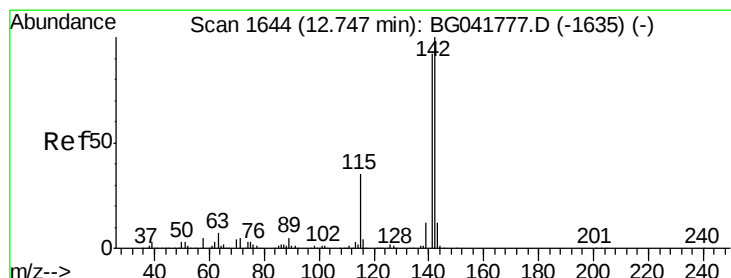
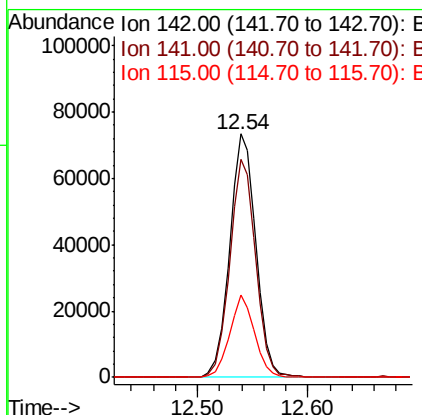
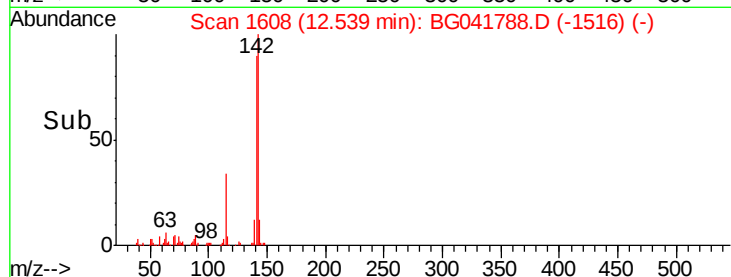
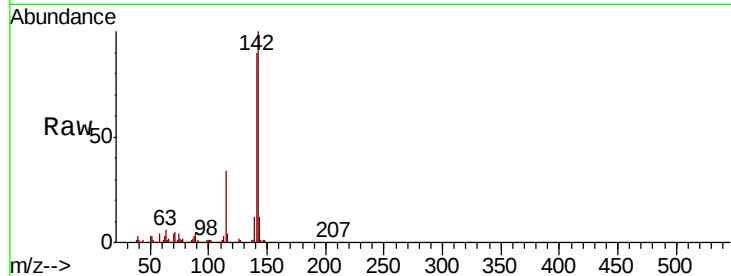
#37
2-Methylnaphthalene
Concen: 8.440 ng
RT: 12.54 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.7	109.1
115	33.6	27.0	40.4

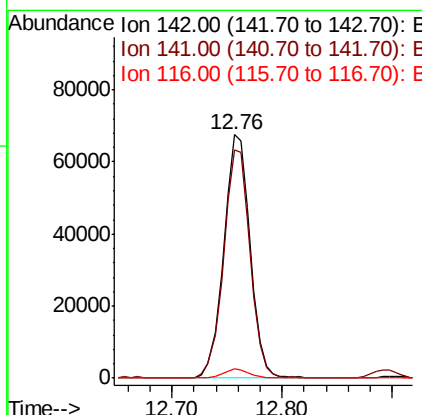
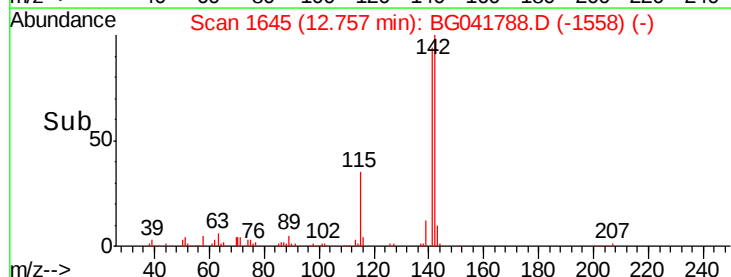
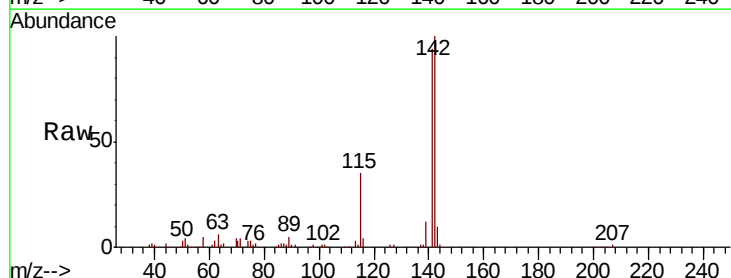
Manual Integrations
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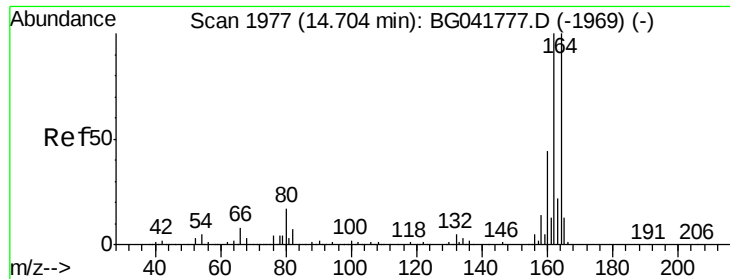
mohammad
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#38
1-Methylnaphthalene
Concen: 8.226 ng
RT: 12.76 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	75.4	113.2
116	3.8	3.2	4.8





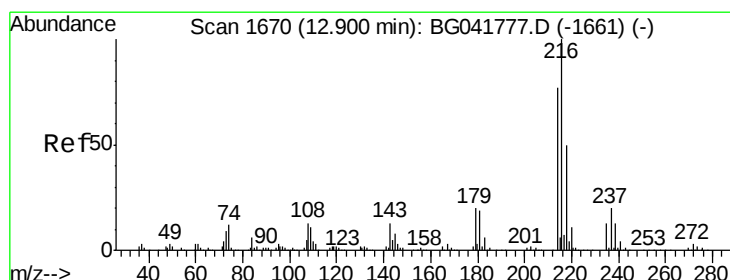
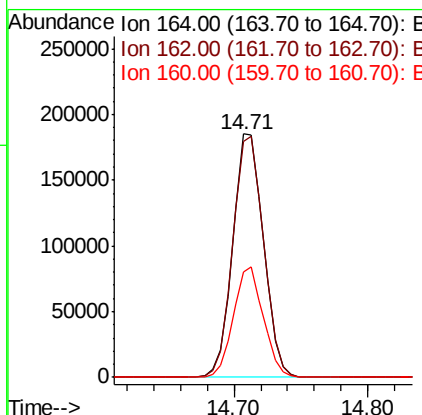
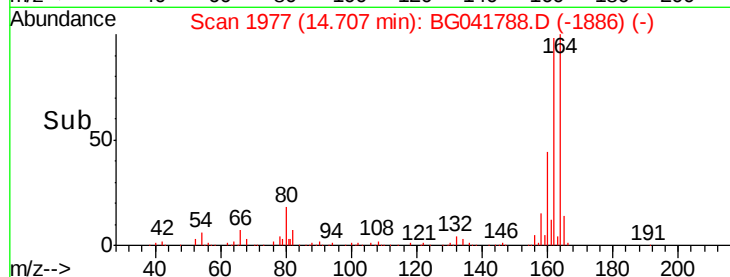
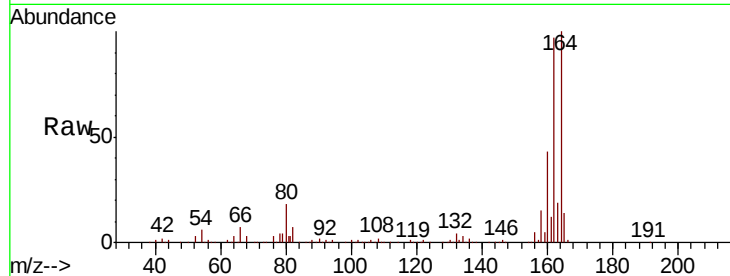
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.8	79.6	119.4
160	43.1	35.4	53.0

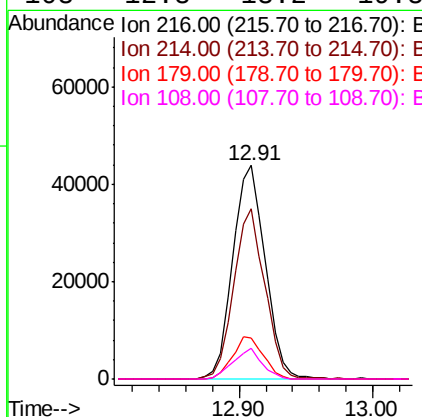
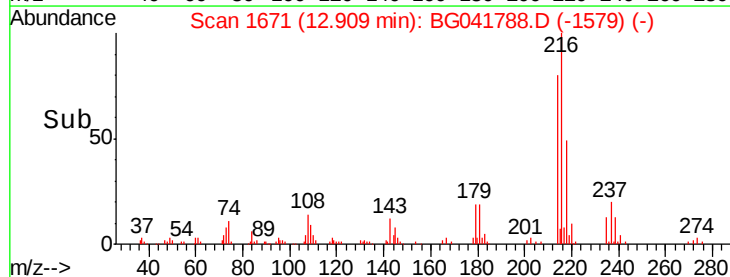
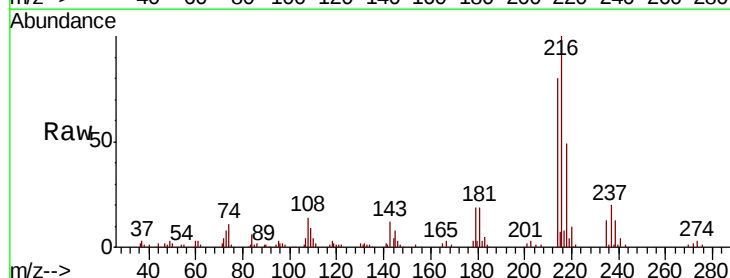
Manual Integrations
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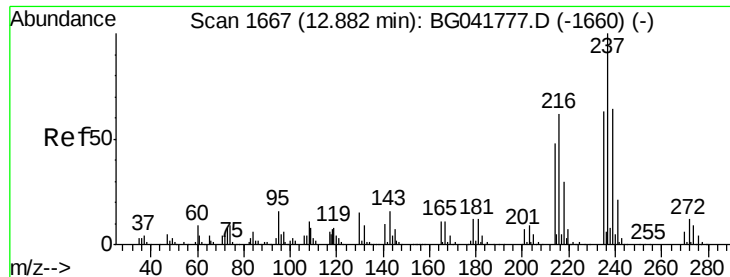
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.883 ng
RT: 12.91 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.6	61.5	92.3
179	18.7	16.2	24.2
108	12.8	13.2	19.8#





#41

Hexachlorocyclopentadiene

Concen: 7.629 ng

RT: 12.89 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

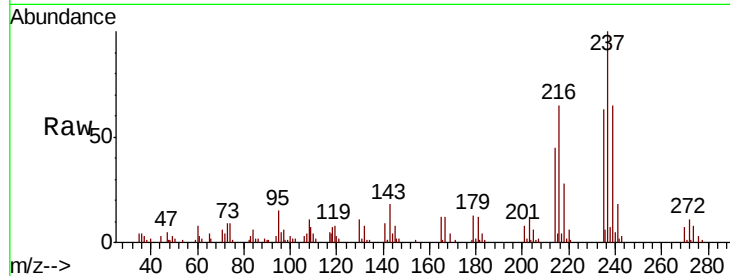
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

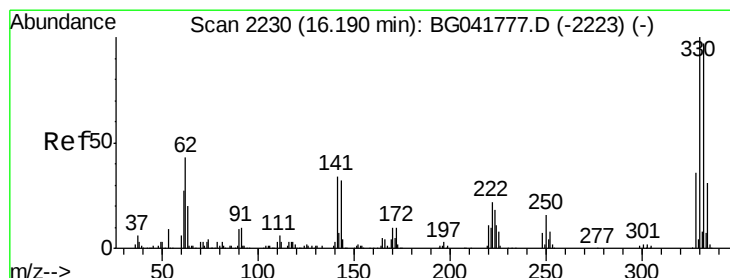
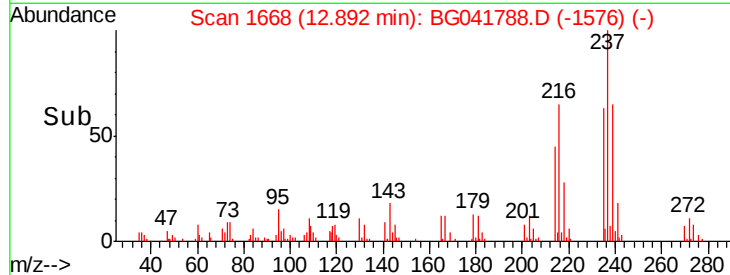
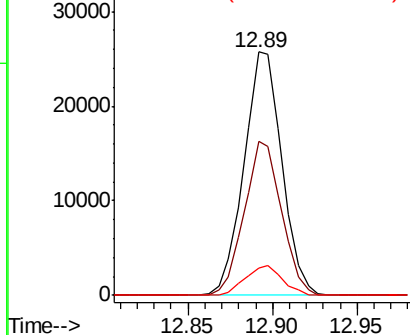
Tot Ion:	237	Resp:	40124
Ion Ratio	Lower	Upper	
237	100		
235	63.1	43.5	83.5
272	11.2	0.0	31.2

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 104.324 ng

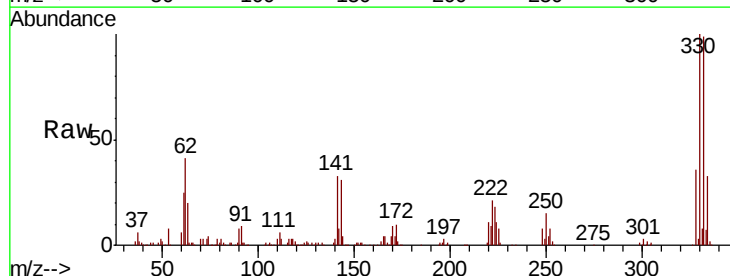
RT: 16.20 min Scan# 2231

Delta R.T. 0.01 min

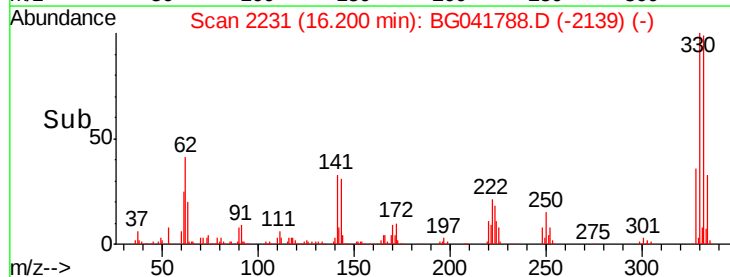
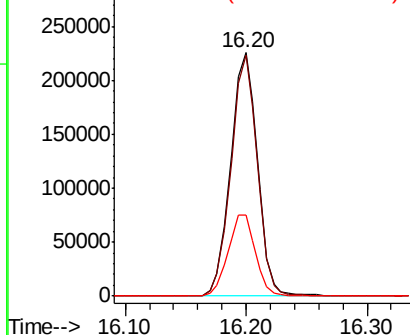
Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	330	Resp:	350177
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.0
141	34.1	31.9	47.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





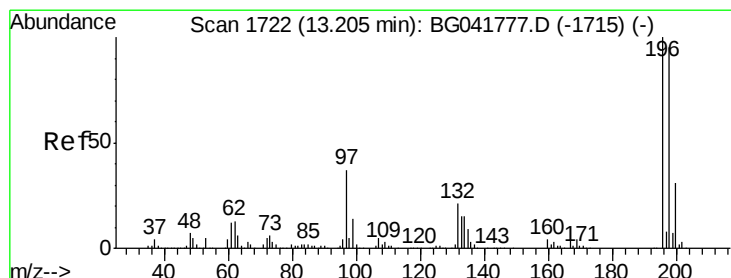
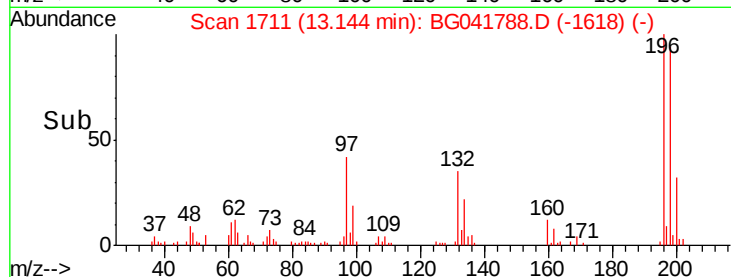
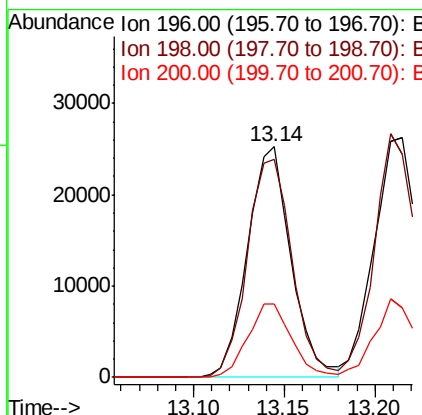
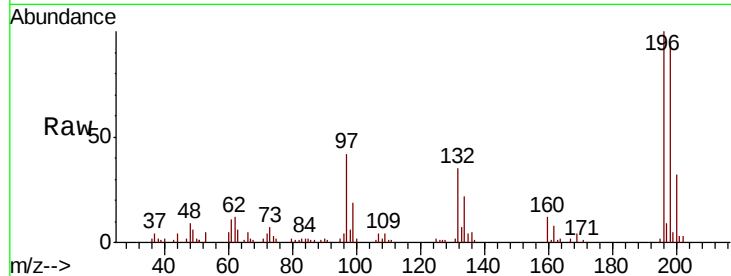
#43
 2,4,6-Trichlorophenol
 Concen: 7.157 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. 0.02 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	42315		
198	94.4	79.6	119.4	
200	31.8	25.2	37.8	

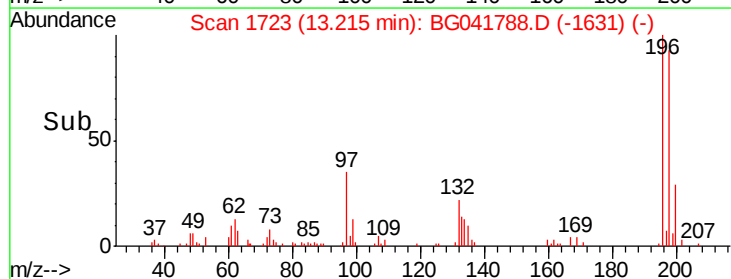
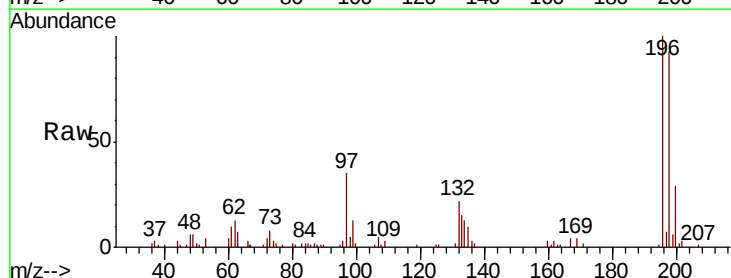
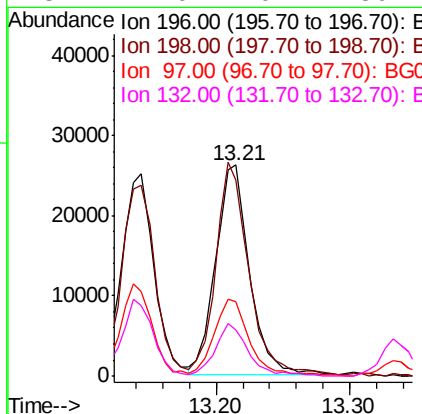
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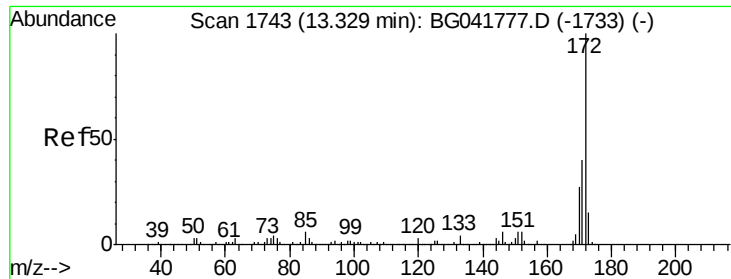
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#44
 2,4,5-Trichlorophenol
 Concen: 7.613 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	46775		
198	93.1	80.6	121.0	
97	35.2	33.9	50.9	
132	22.0	20.2	30.2	





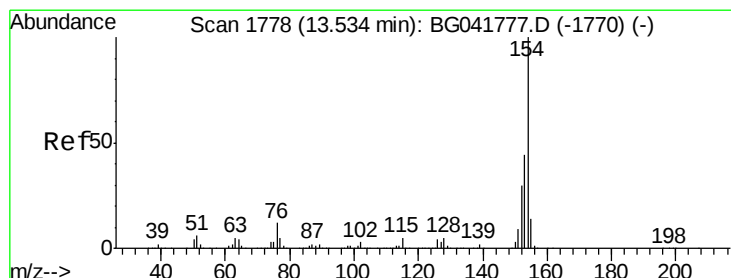
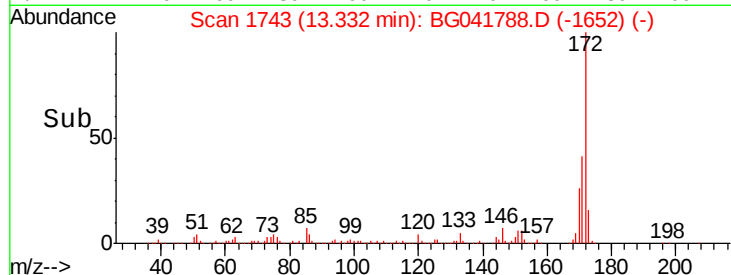
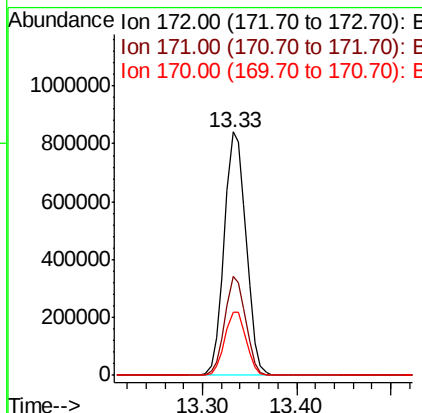
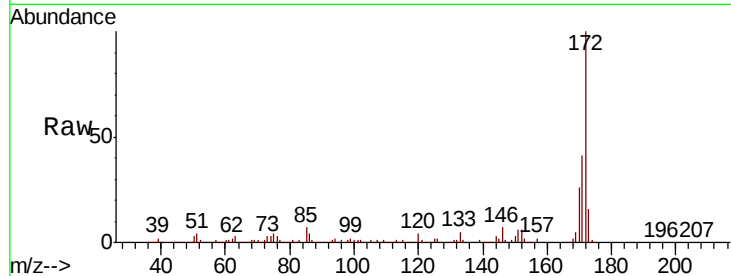
#45
2-Fluorobiphenyl
Concen: 81.138 ng
RT: 13.33 min Scan# 1743
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:172 Resp: 1359475
Ion Ratio Lower Upper
172 100
171 40.7 35.0 52.4
170 26.2 23.5 35.3

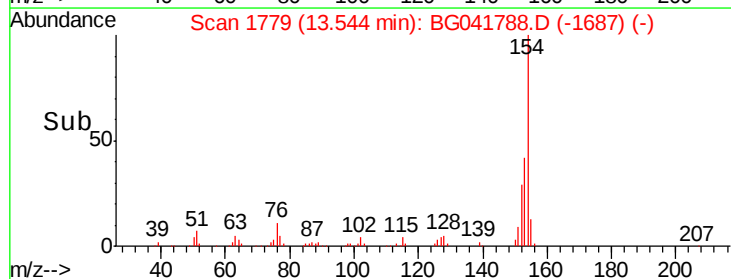
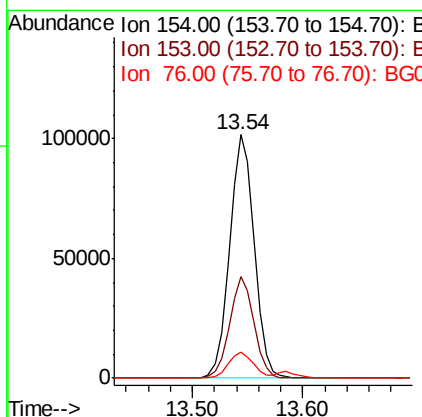
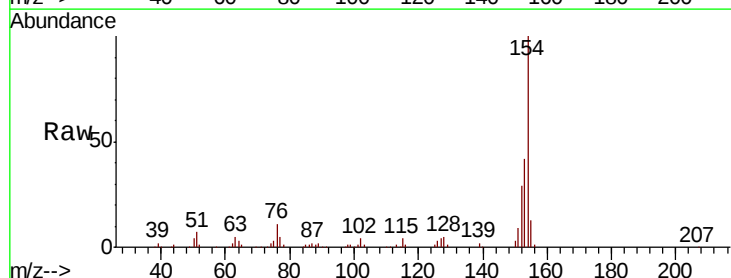
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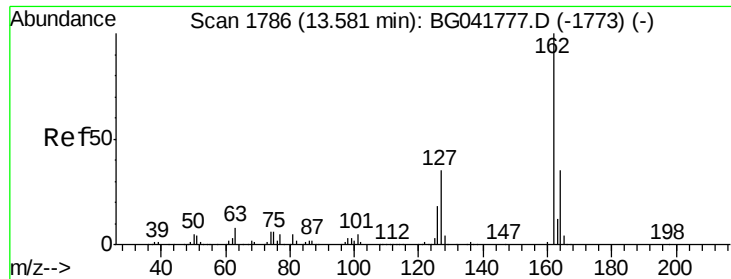
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#46
1,1'-Biphenyl
Concen: 8.334 ng
RT: 13.54 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion:154 Resp: 158316
Ion Ratio Lower Upper
154 100
153 41.9 25.0 65.0
76 10.7 0.0 34.5





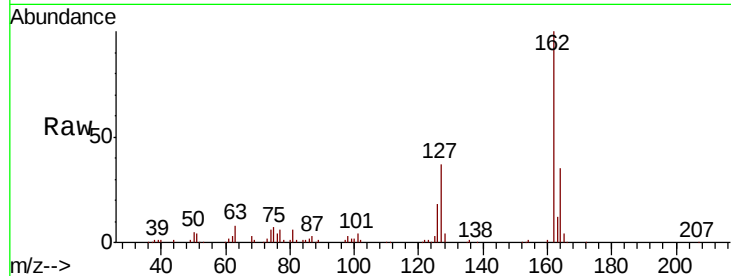
#47
2-Chloronaphthalene
Concen: 7.739 ng
RT: 13.58 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.5	30.4	45.6
164	34.8	28.6	42.8

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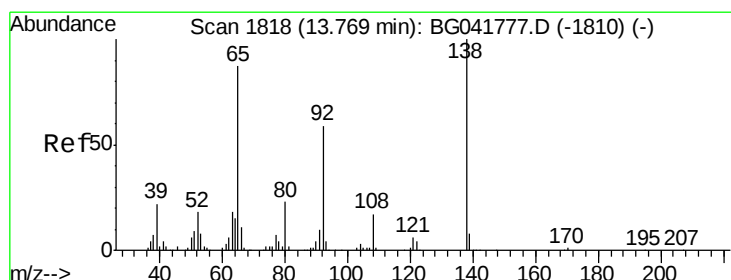
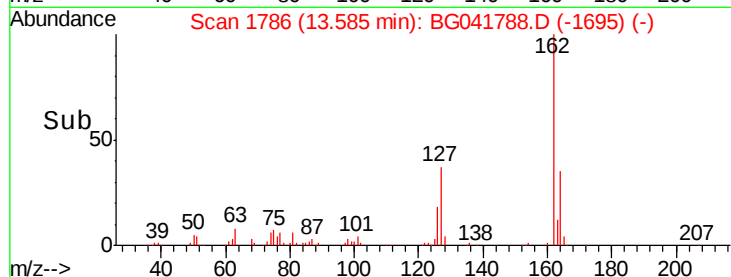
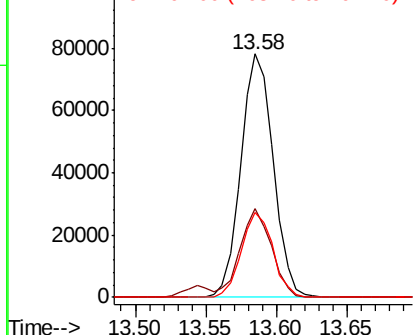


Abundance

Ion 162.00 (161.70 to 162.70): E

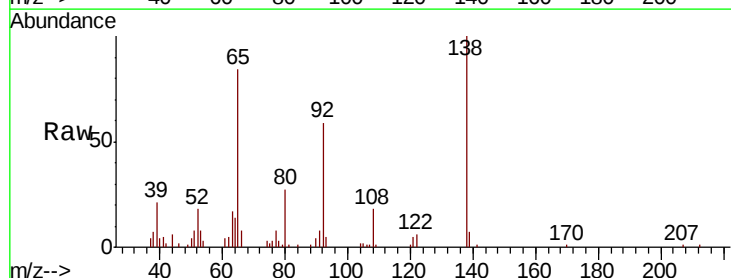
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 7.127 ng
RT: 13.78 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.1	53.9	80.9
138	118.4	83.5	125.3

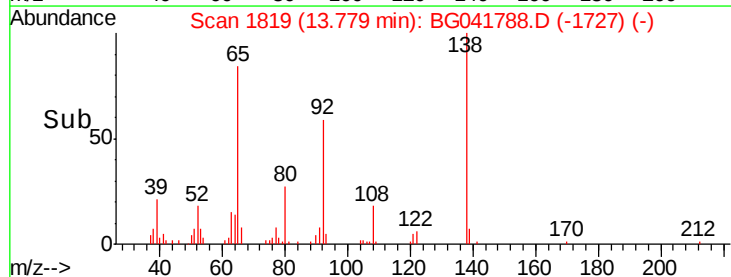
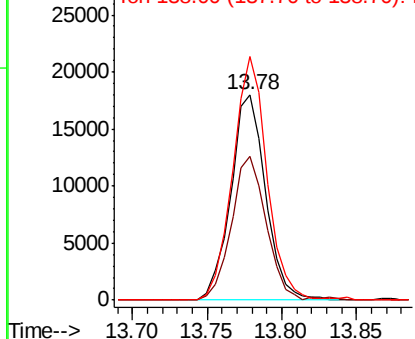


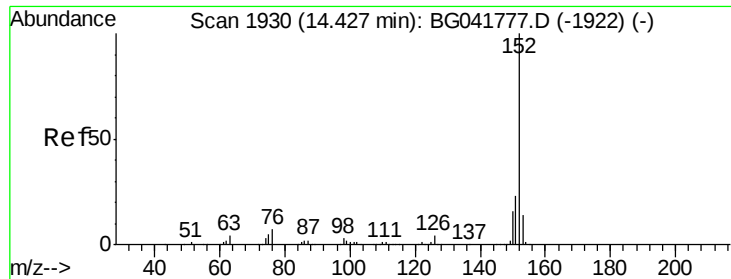
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.540 ng

RT: 14.43 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

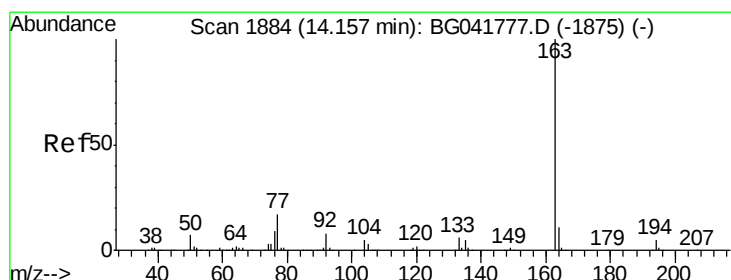
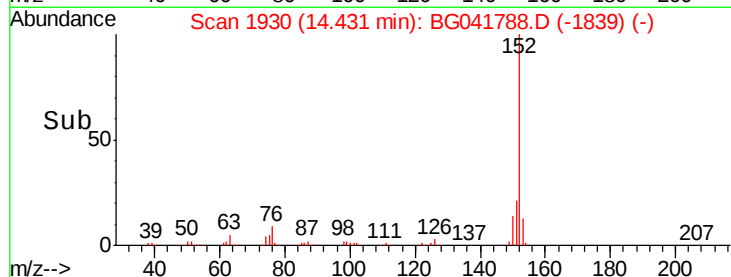
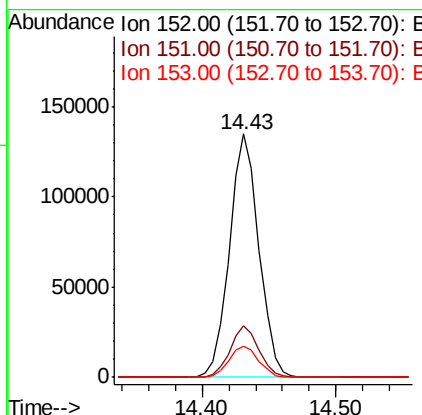
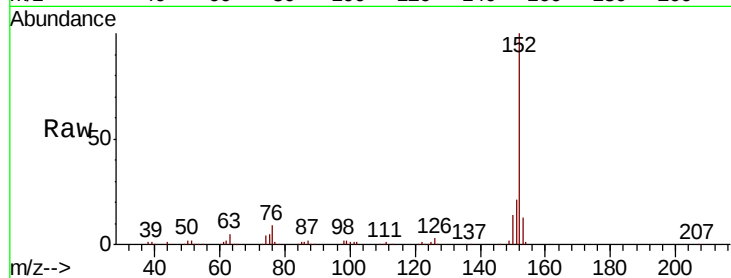
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	152	Resp:	206617
Ion Ratio	Lower	Upper	
152	100		
151	21.4	18.7	28.1
153	12.6	12.4	18.6

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#50

Dimethylphthalate

Concen: 8.378 ng

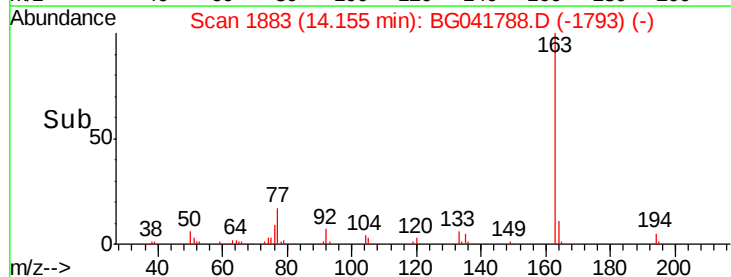
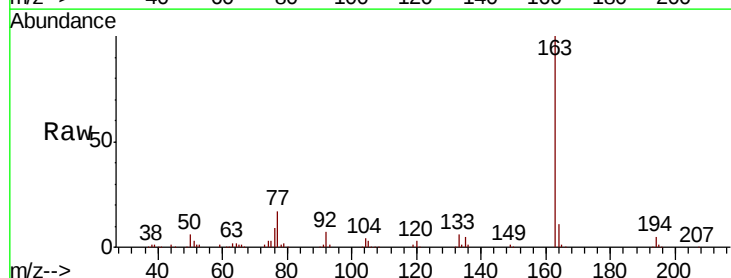
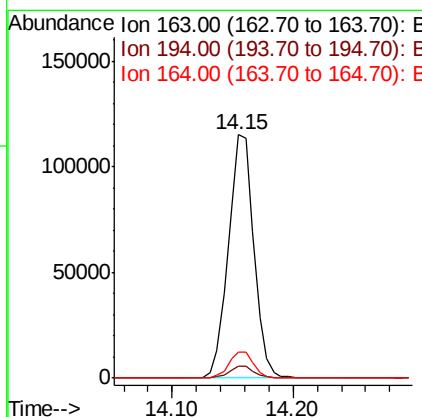
RT: 14.15 min Scan# 1883

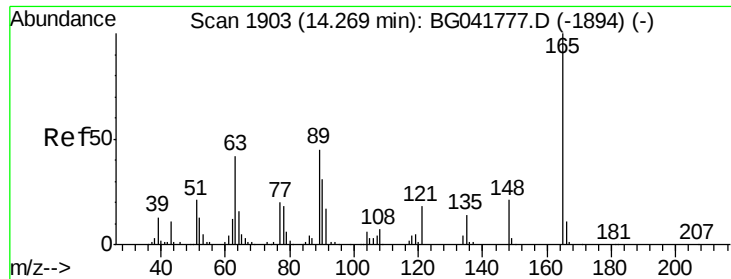
Delta R.T. -0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	163	Resp:	169082
Ion Ratio	Lower	Upper	
163	100		
194	4.8	4.2	6.2
164	10.8	9.4	14.2





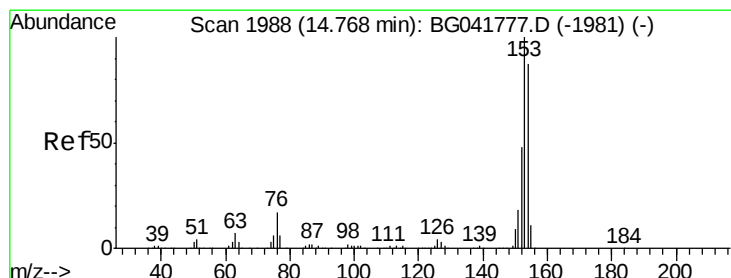
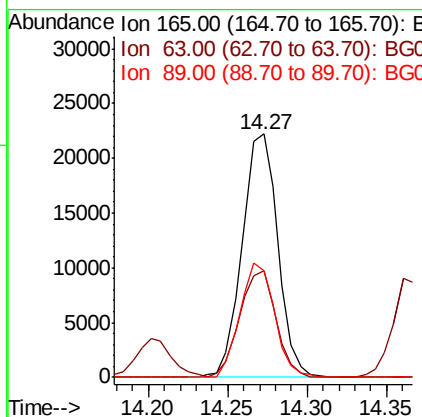
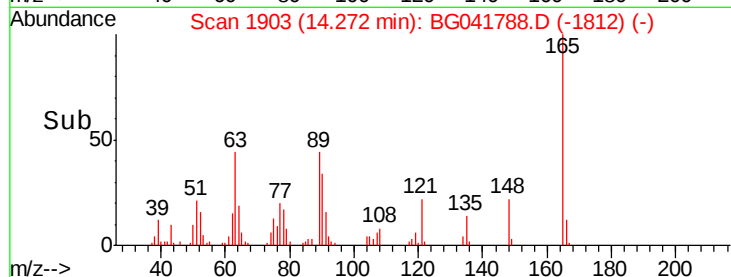
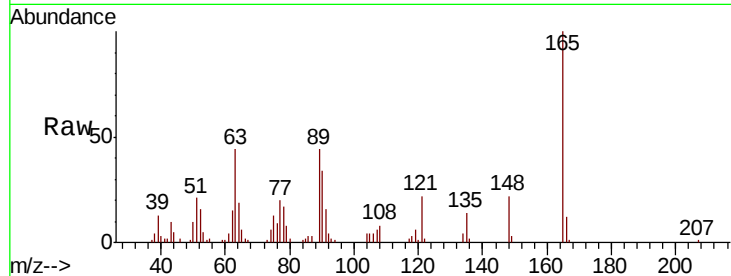
#51
2,6-Dinitrotoluene
Concen: 8.221 ng
RT: 14.27 min Scan# 1903
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.0	42.4	63.6
89	43.8	42.1	63.1

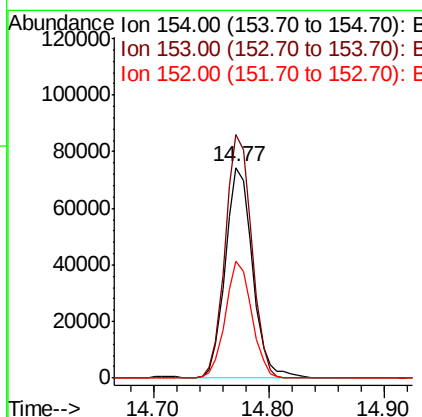
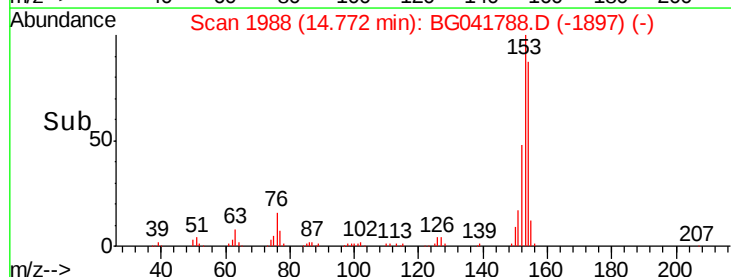
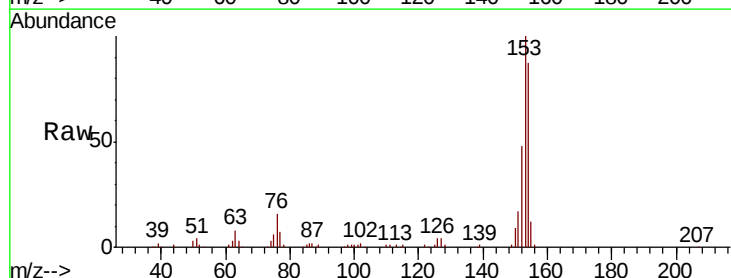
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#52
Acenaphthene
Concen: 7.758 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.8	134.6
152	55.6	44.9	67.3





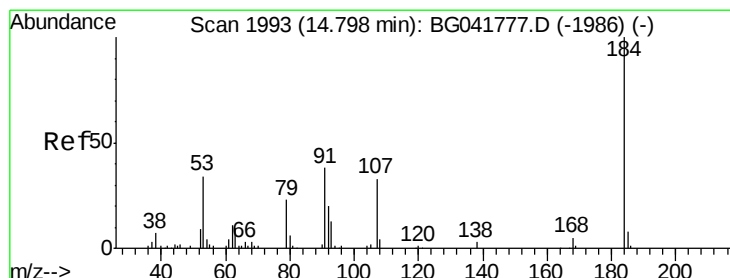
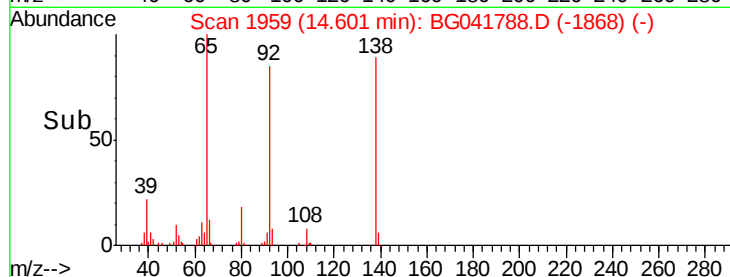
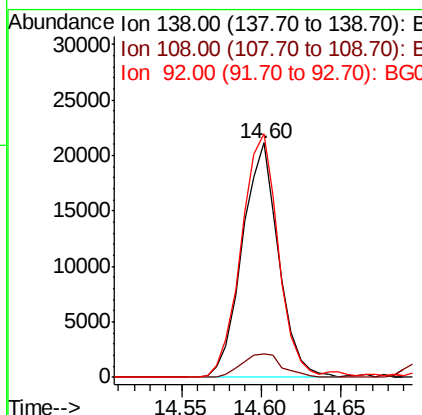
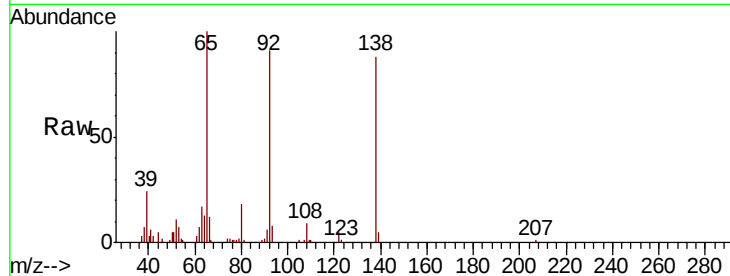
#53
3-Nitroaniline
Concen: 7.417 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	10.3	15.5#
92	104.0	93.0	139.4

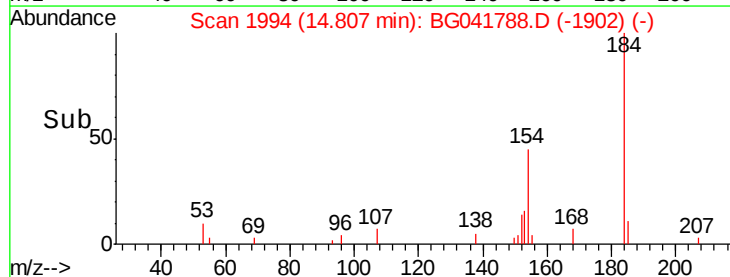
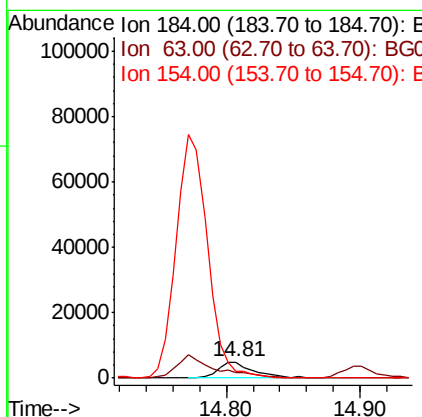
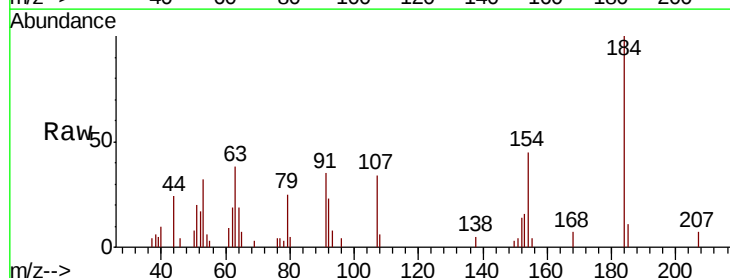
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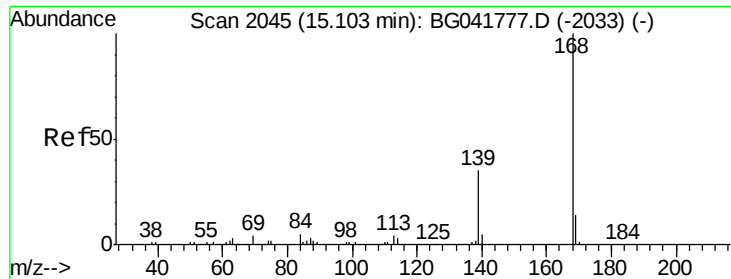
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#54
2,4-Dinitrophenol
Concen: 8.235 ng
RT: 14.81 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	38.0	43.2	64.8#
154	45.5	51.4	77.2#





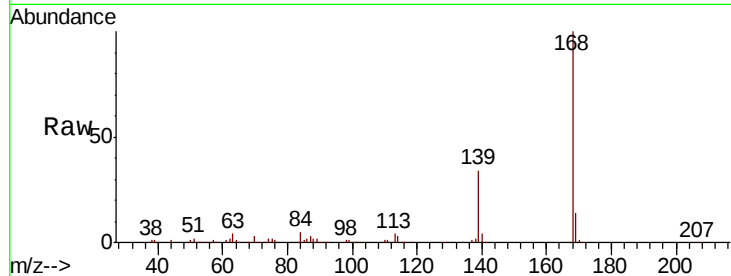
#55
Dibenzofuran
Concen: 8.731 ng
RT: 15.11 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
168	100	210137		
139	34.3	31.9	47.9	
169	13.9	12.5	18.7	

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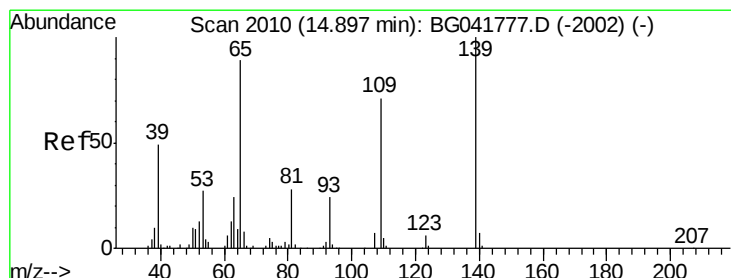
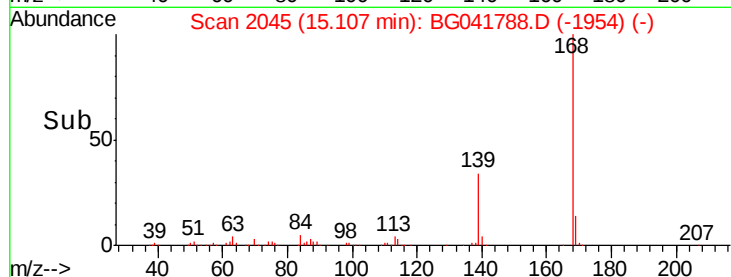
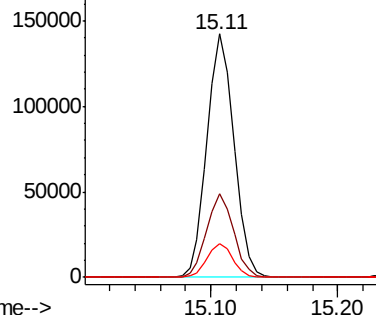


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 6.934 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

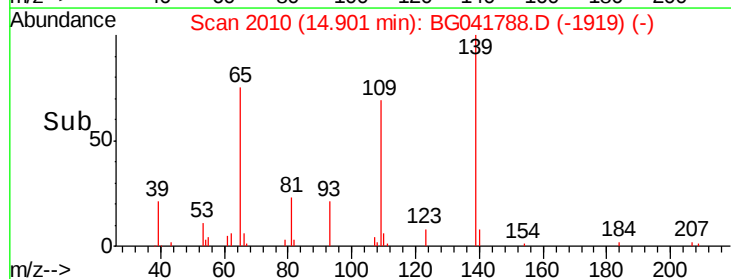
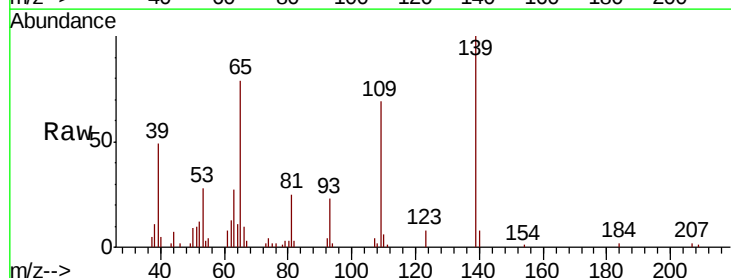
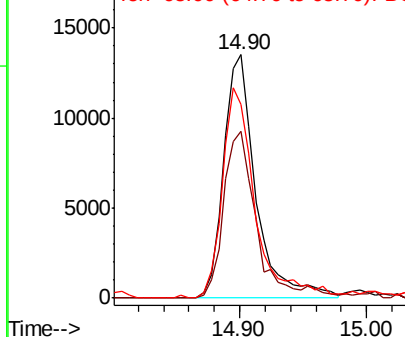
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	23763		
109	68.7	51.3	91.3	
65	79.4	77.6	117.6	

Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





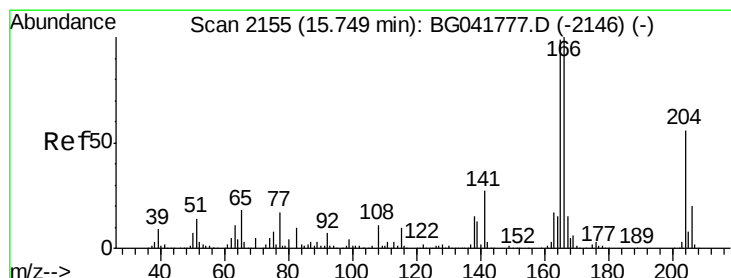
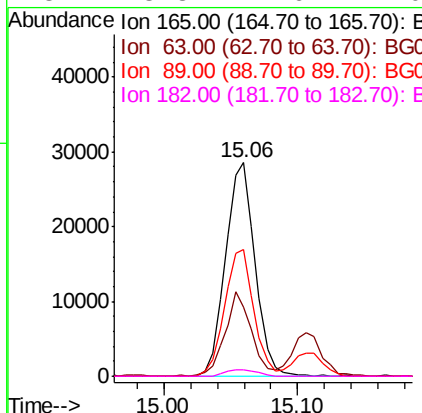
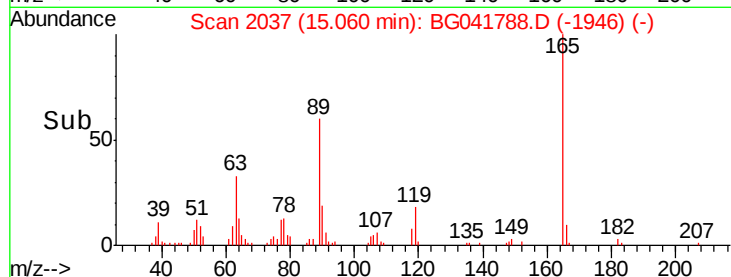
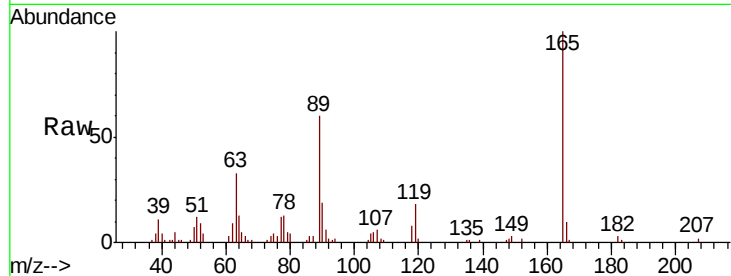
#57
 2,4-Dinitrotoluene
 Concen: 7.626 ng
 RT: 15.06 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	44261		
63	32.6		31.7	47.5
89	59.5		50.2	75.4
182	3.3		2.6	4.0

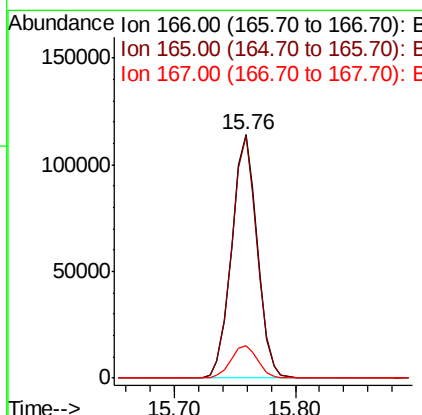
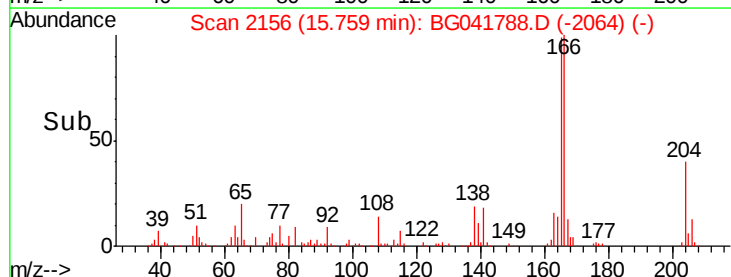
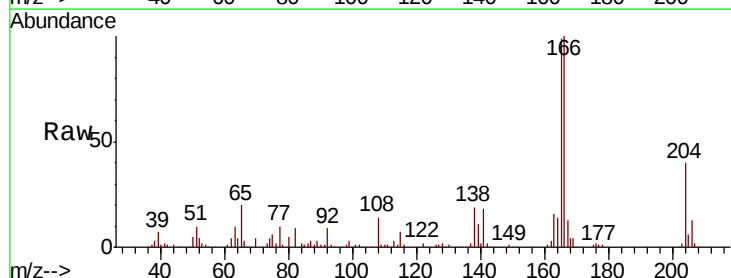
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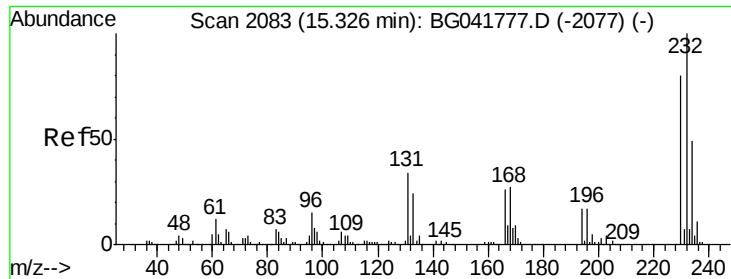
mohammad
 7/30/2019 4:52:26 PM



#58
 Fluorene
 Concen: 8.702 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	168074		
165	99.5		80.5	120.7
167	13.1		12.4	18.6





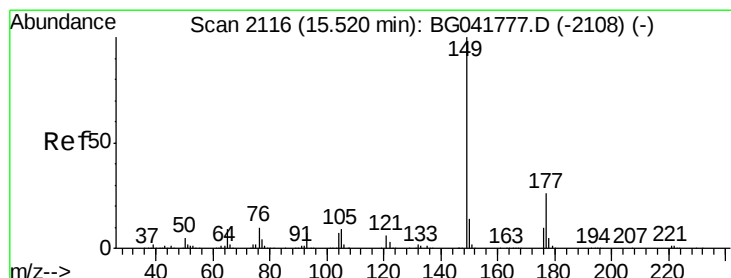
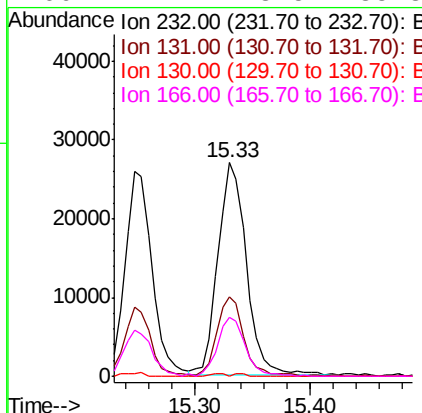
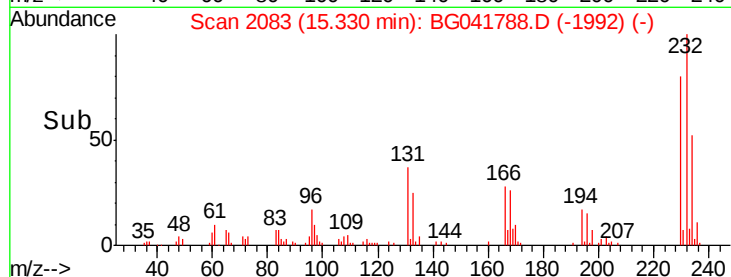
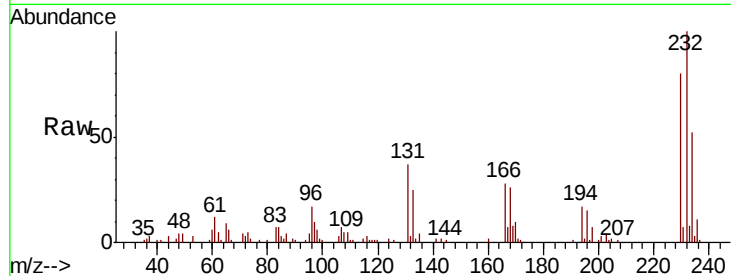
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.587 ng
 RT: 15.33 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	232	Resp:	46167
Ion Ratio	Lower	Upper	
232	100		
131	35.4	31.8	47.6
130	0.6	1.8	2.8
166	27.2	23.5	35.3

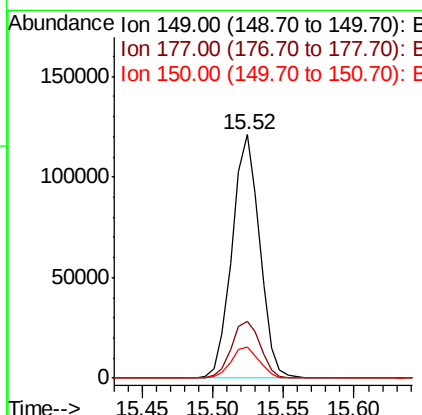
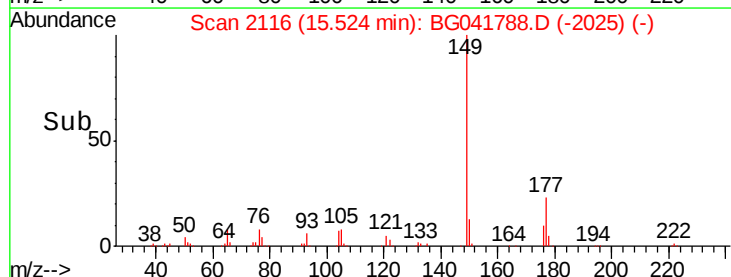
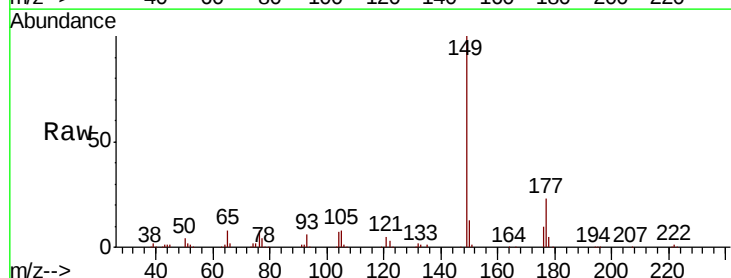
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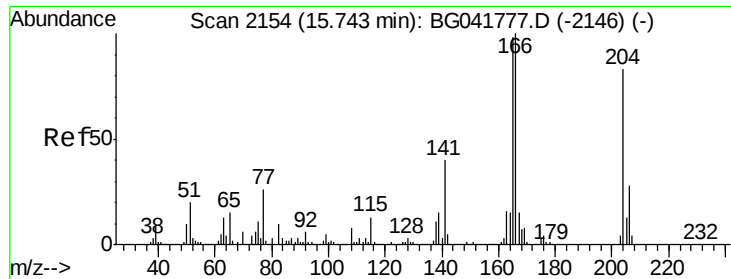
mohammad
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#60
 Diethylphthalate
 Concen: 8.322 ng
 RT: 15.52 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion:	149	Resp:	164897
Ion Ratio	Lower	Upper	
149	100		
177	23.1	20.7	31.1
150	12.7	11.5	17.3





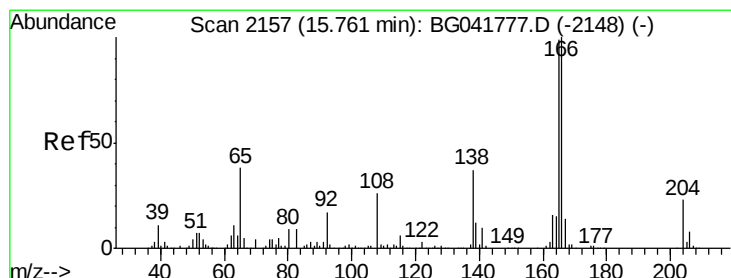
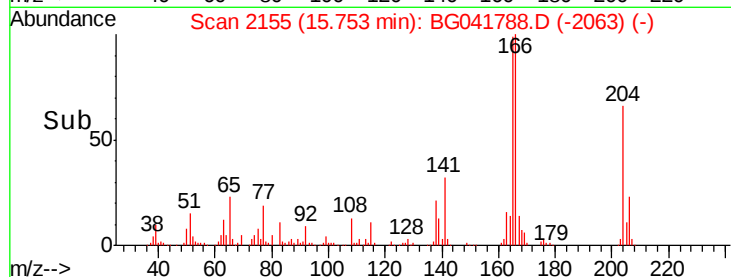
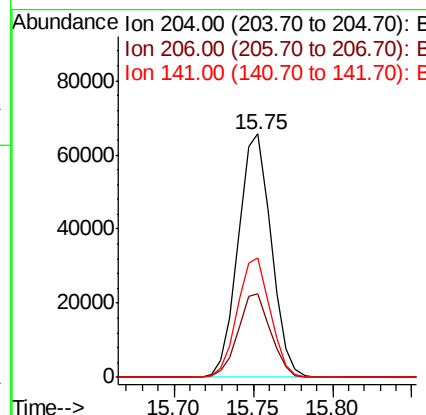
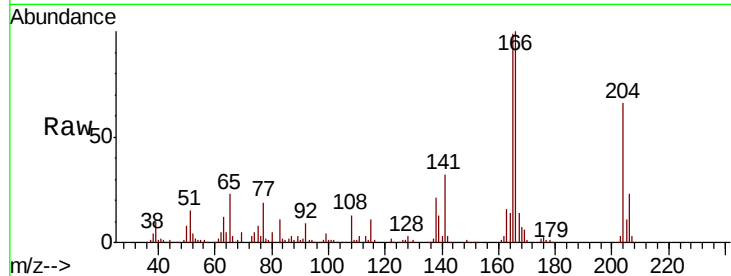
#61
4-Chlorophenyl-phenylether
Concen: 8.045 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.3	28.6	42.8
141	48.9	42.9	64.3

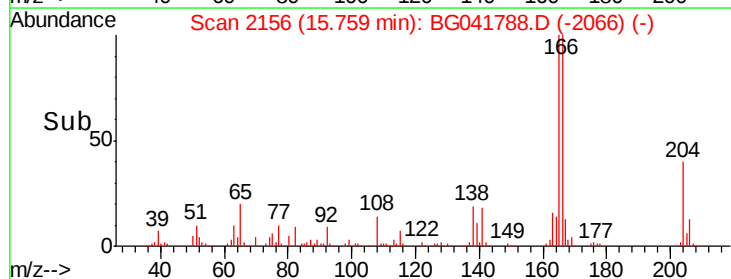
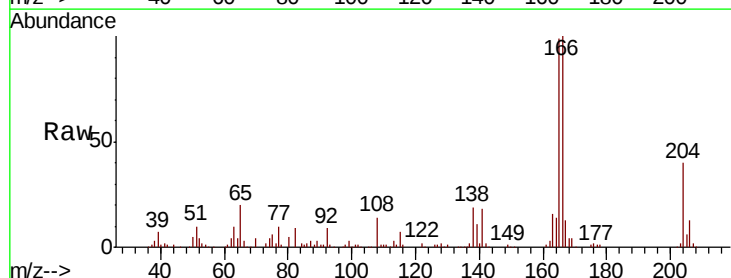
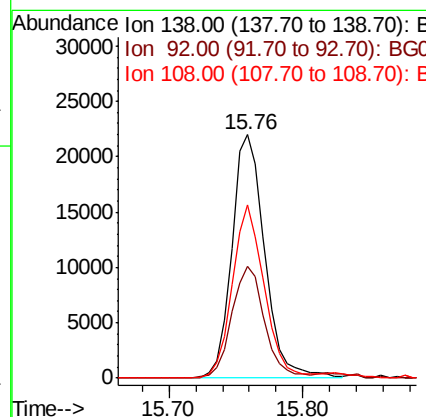
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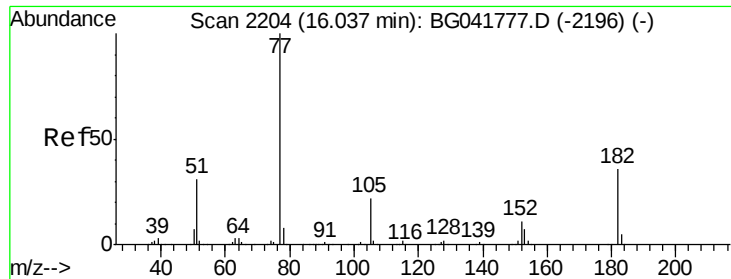
mohammad
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#62
4-Nitroaniline
Concen: 7.715 ng
RT: 15.76 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.7	29.8	69.8
108	71.2	52.2	92.2





#63

Azobenzene

Concen: 8.391 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

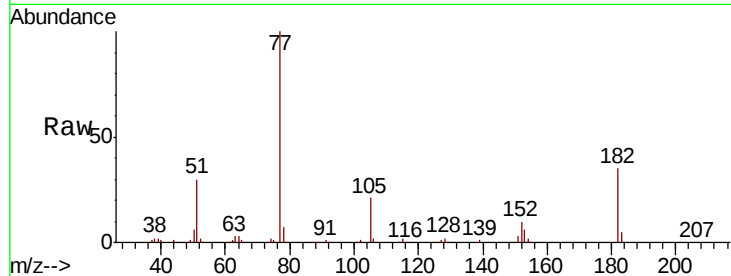
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

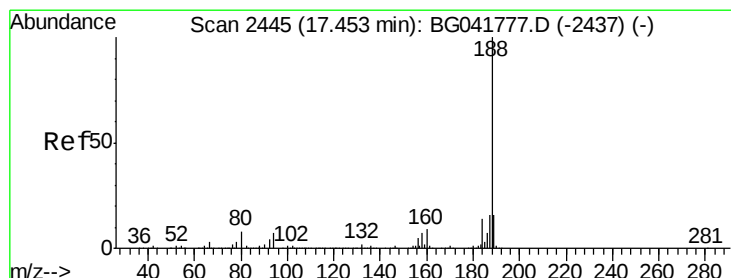
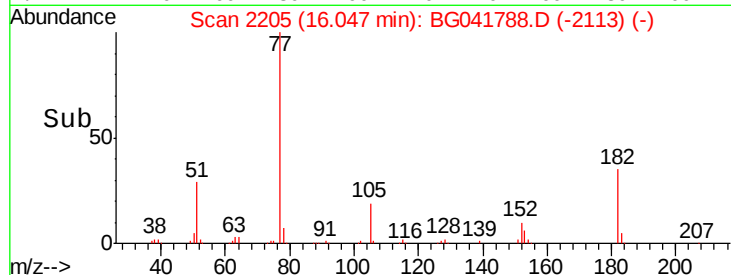
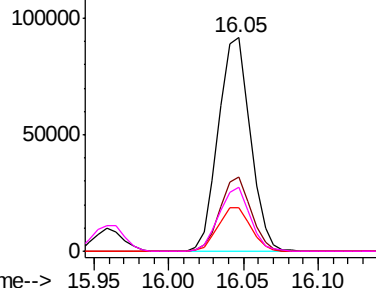
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		135811		
182	35.0	13.2	53.2		
105	20.5	2.2	42.2		
51	29.7	14.6	54.6		

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



#64

Phenanthrene-d10

Concen: 20.000 ng

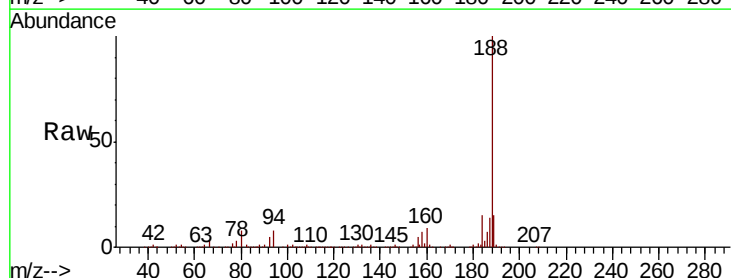
RT: 17.46 min Scan# 2445

Delta R.T. 0.00 min

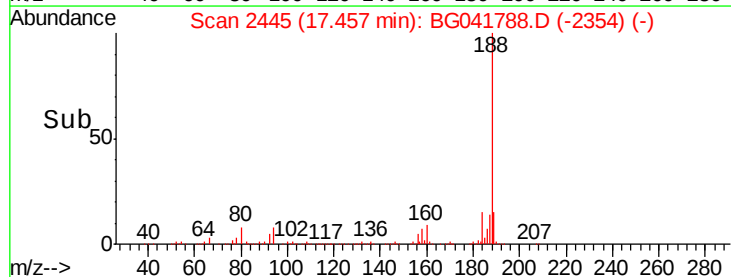
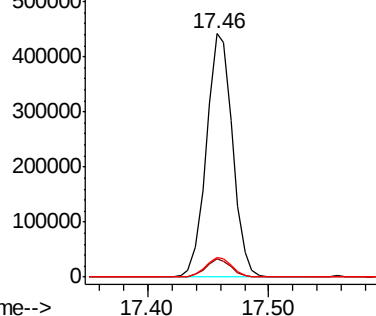
Lab File: BG041788.D

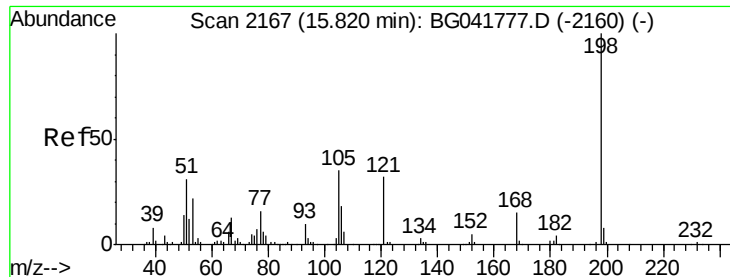
Acq: 29 Jul 2019 14:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		664929		
94	7.6	6.9	10.3		
80	8.2	8.0	12.0		



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 12.111 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:198 Resp: 19965

Ion Ratio Lower Upper

198 100

51 30.4 22.3 62.3

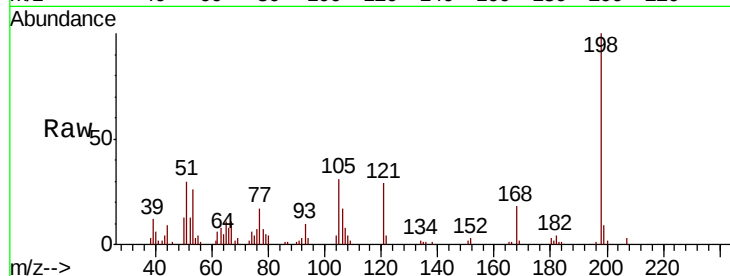
105 30.8 18.0 58.0

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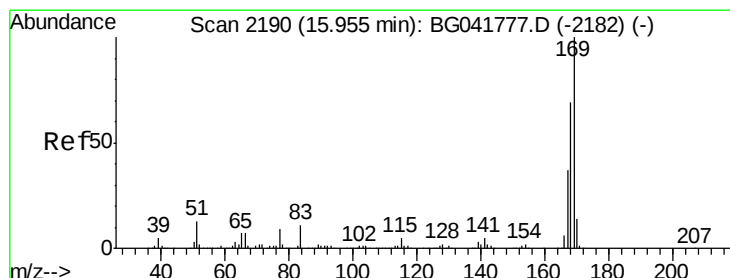
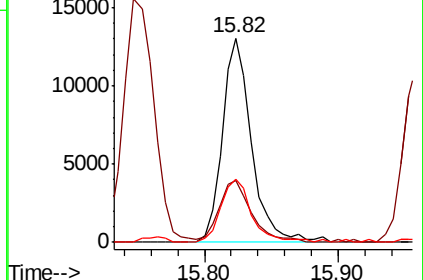
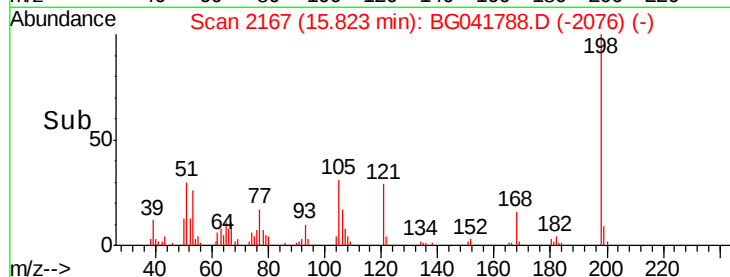
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.502 ng

RT: 15.96 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

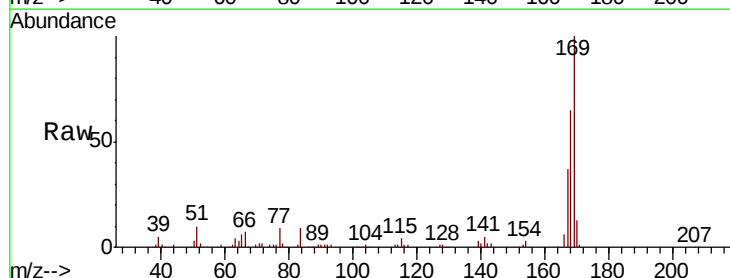
Tgt Ion:169 Resp: 153999

Ion Ratio Lower Upper

169 100

168 64.9 56.9 85.3

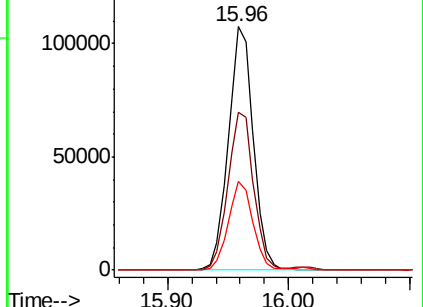
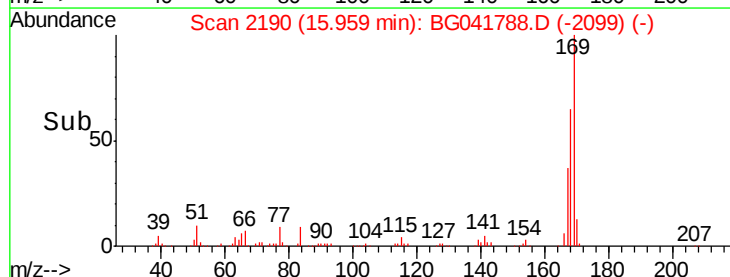
167 36.5 31.5 47.3

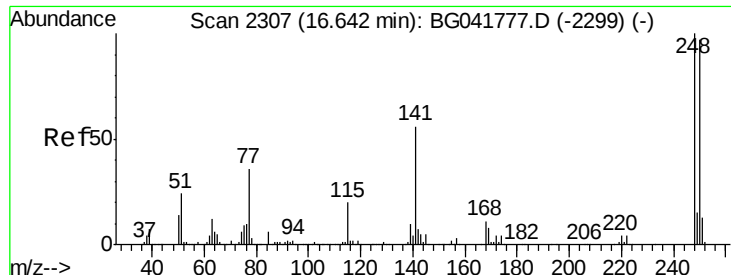


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 7.667 ng

RT: 16.65 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

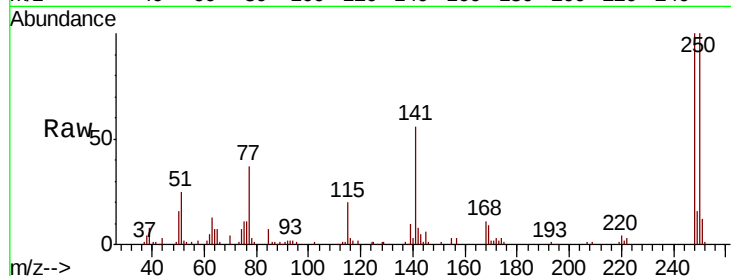
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	248	Resp:	62801
Ion Ratio	Lower	Upper	
248	100		
250	99.7	78.1	117.1
141	56.0	49.6	74.4

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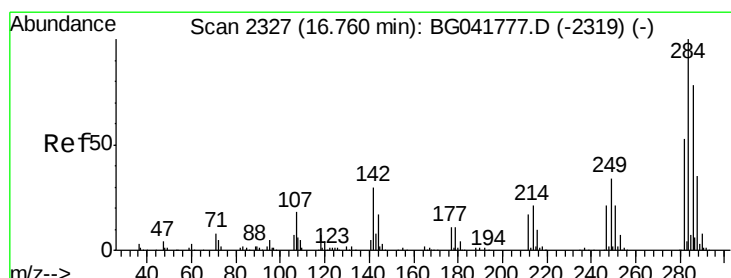
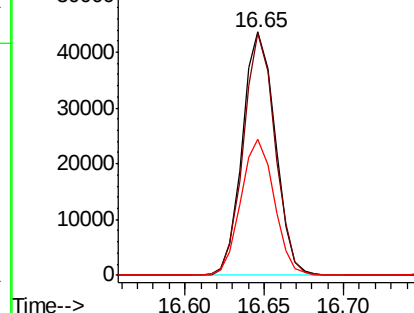
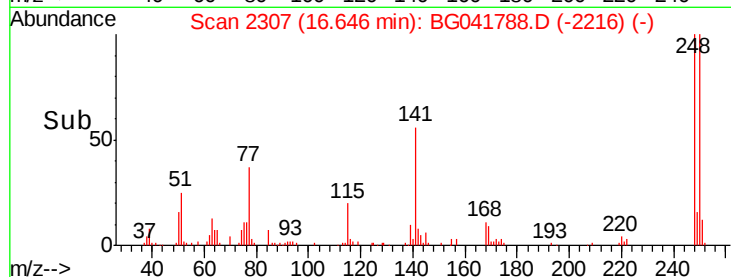


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 7.548 ng

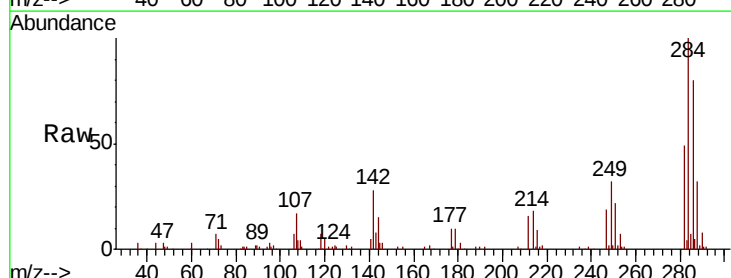
RT: 16.77 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	284	Resp:	64681
Ion Ratio	Lower	Upper	
284	100		
142	27.9	27.0	40.6
249	34.4	28.4	42.6

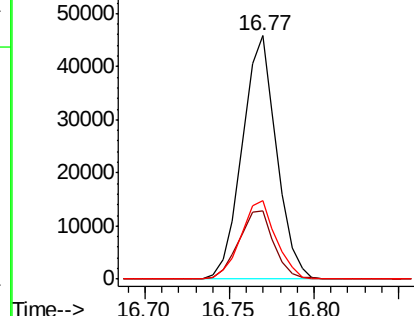
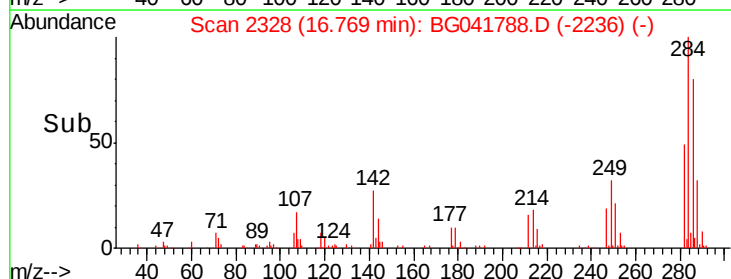


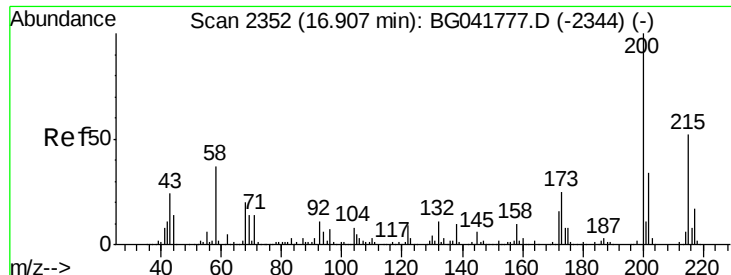
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





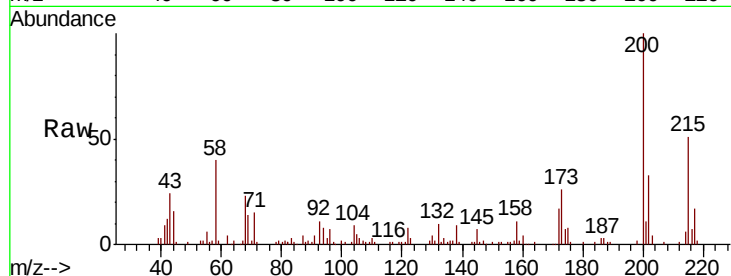
#69
Atrazine
Concen: 7.965 ng
RT: 16.90 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.3	45.3
215	50.7	31.8	71.8

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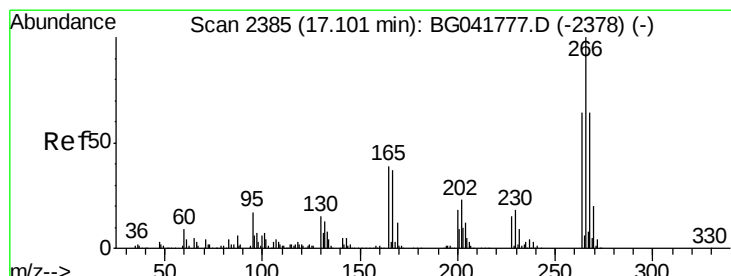
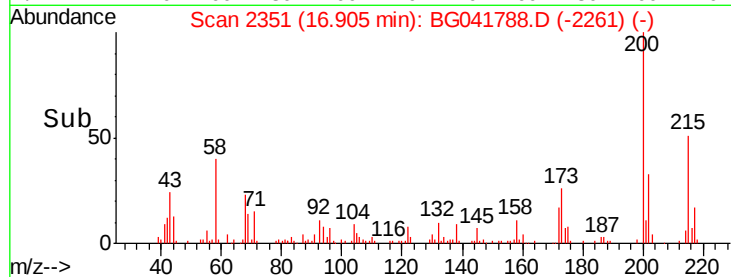
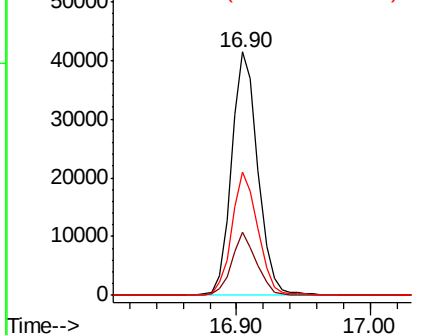


Abundance

Ion 200.00 (199.70 to 200.70): E

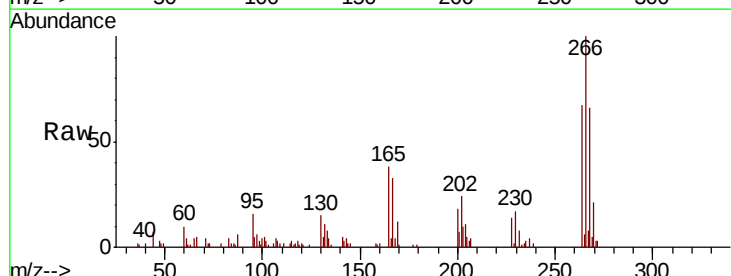
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 6.053 ng
RT: 17.11 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
266	100		
268	71.1	52.9	79.3
264	72.4	51.4	77.2

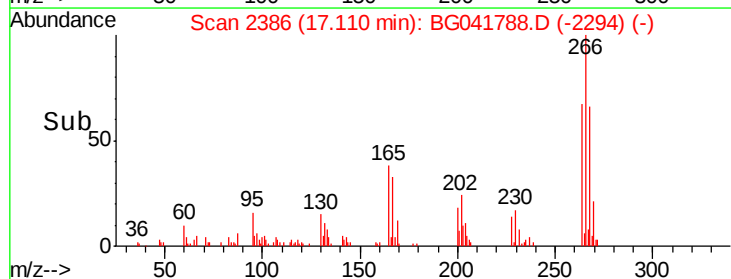
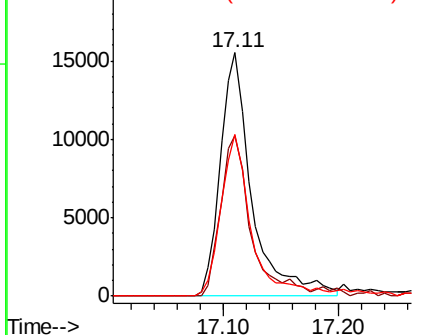


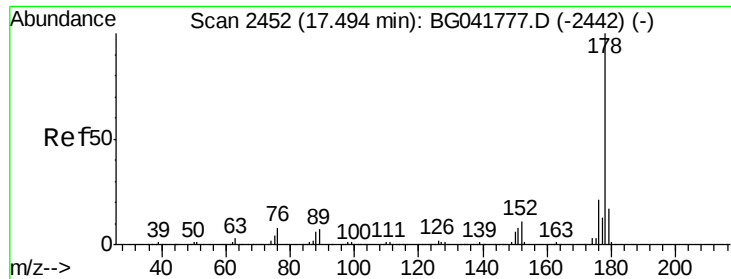
Abundance

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





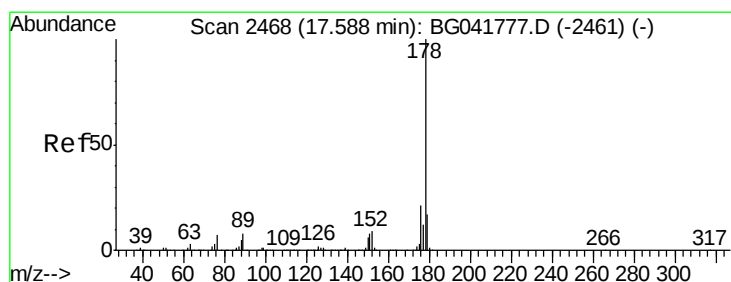
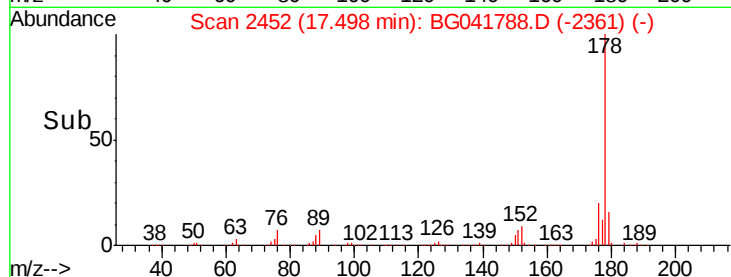
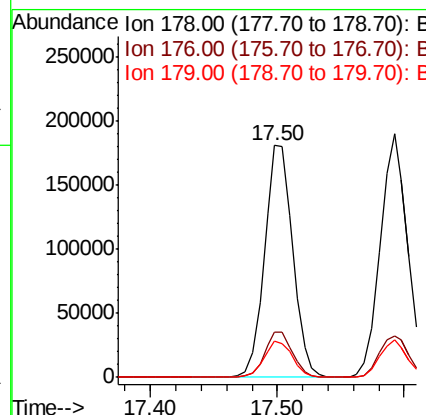
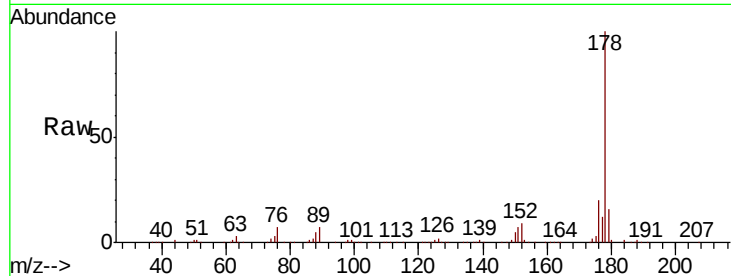
#71
Phenanthrene
Concen: 8.808 ng
RT: 17.50 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	18.6	28.0
179	15.9	15.4	23.0

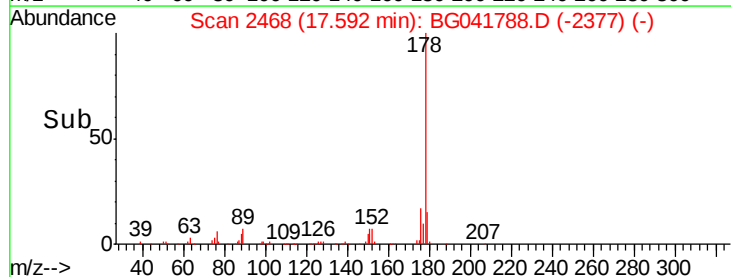
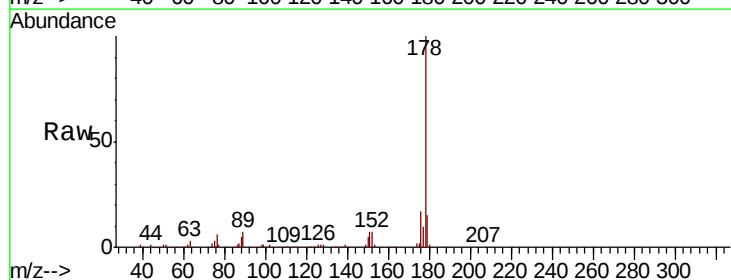
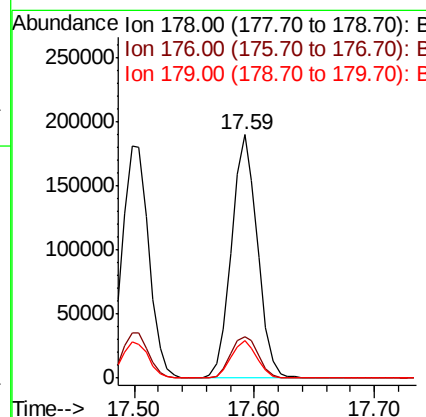
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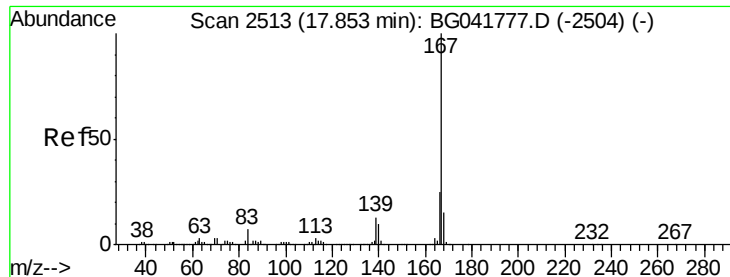
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#72
Anthracene
Concen: 9.004 ng m
RT: 17.59 min Scan# 2468
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	18.6	28.0#
179	15.2	15.1	22.7





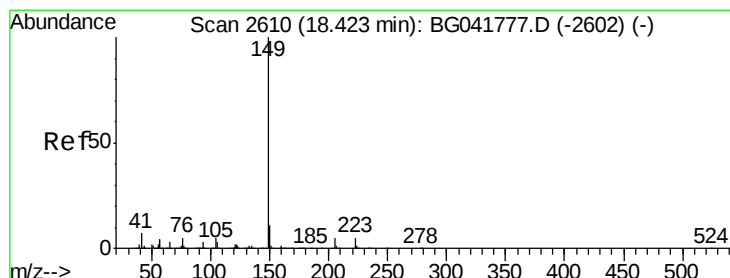
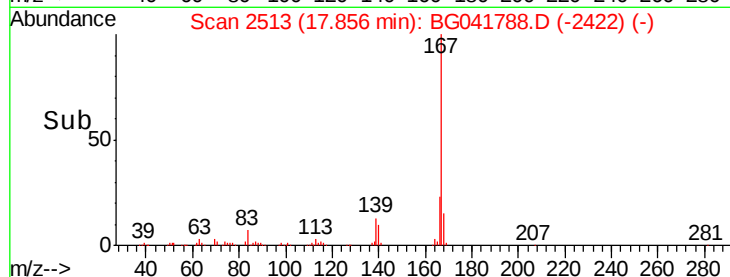
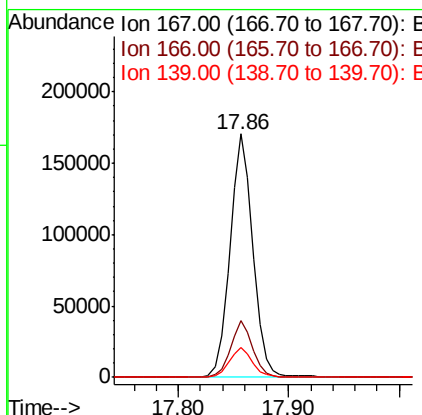
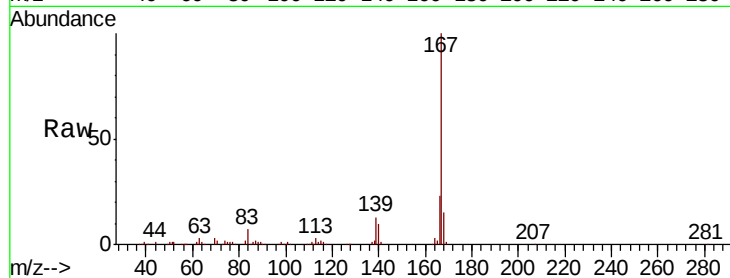
#73
 Carbazole
 Concen: 8.654 ng
 RT: 17.86 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
167	100	246895		
166	23.4		21.4	32.2
139	12.5		12.1	18.1

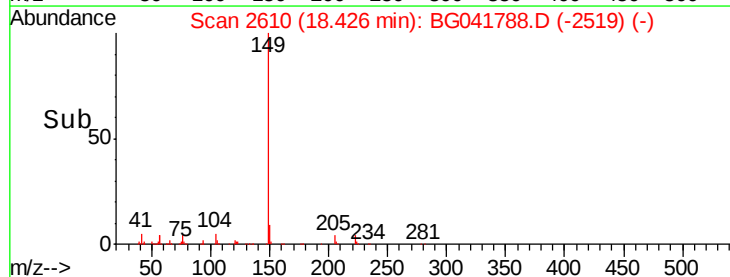
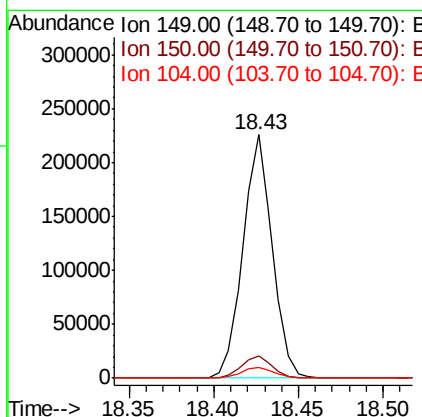
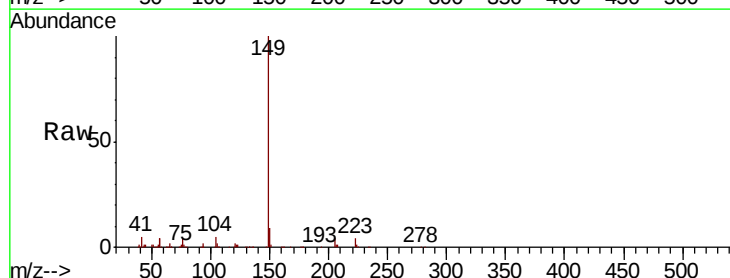
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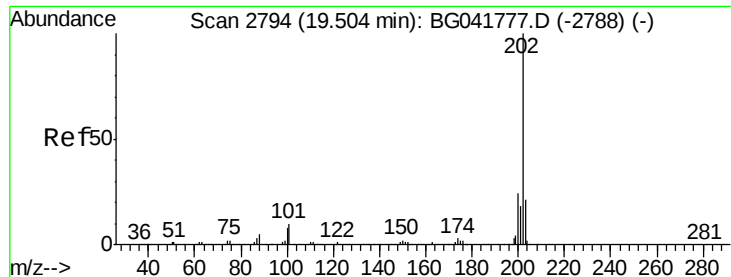
mohammad
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#74
 Di-n-butylphthalate
 Concen: 8.419 ng
 RT: 18.43 min Scan# 2610
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	272315		
150	9.3		10.2	15.2#
104	4.6		5.3	7.9#





#75

Fluoranthene

Concen: 9.078 ng

RT: 19.51 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

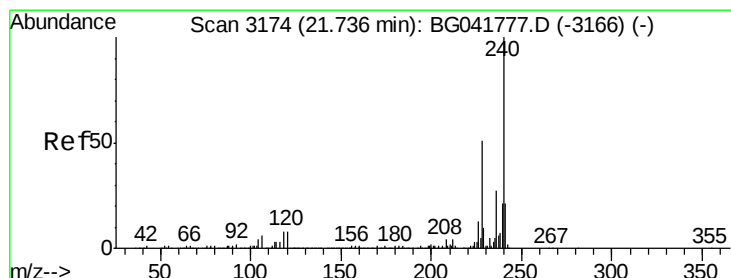
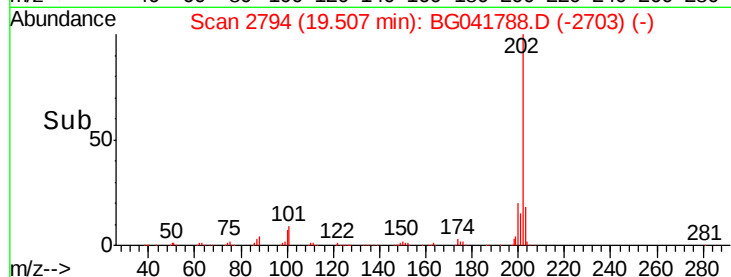
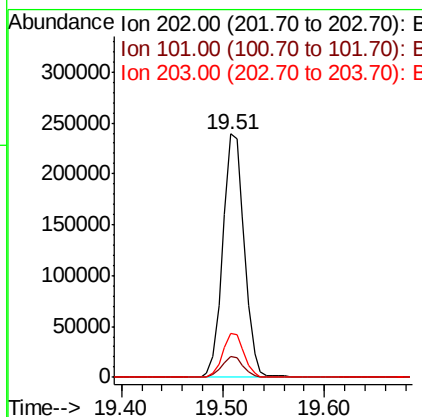
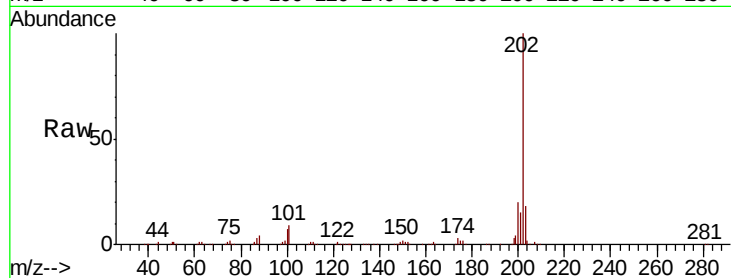
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	202	Resp:	351700
Ion Ratio		Lower	Upper
202	100		
101	8.6	0.0	32.8
203	18.3	3.7	43.7

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#76

Chrysene-d12

Concen: 20.000 ng

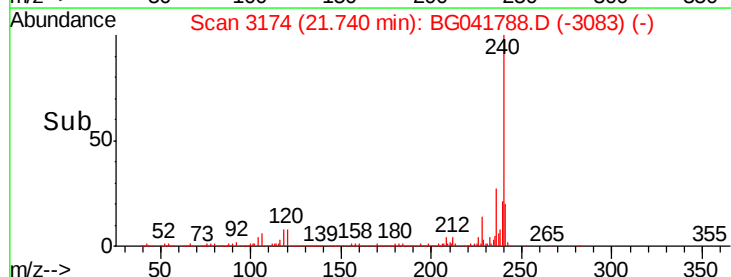
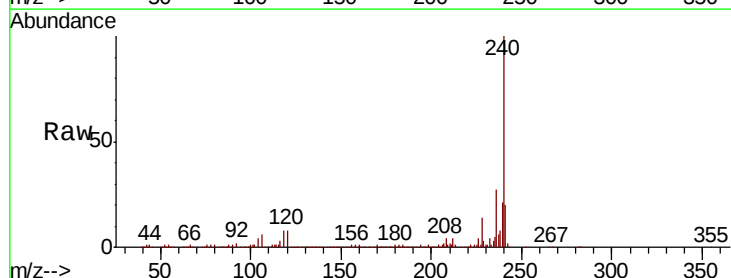
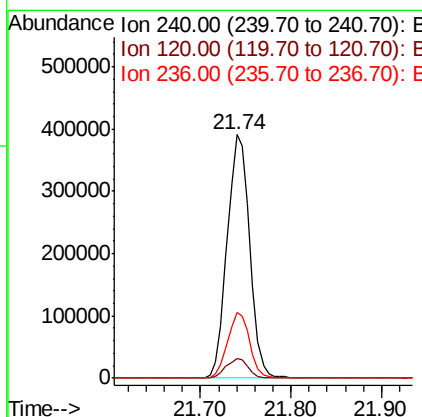
RT: 21.74 min Scan# 3174

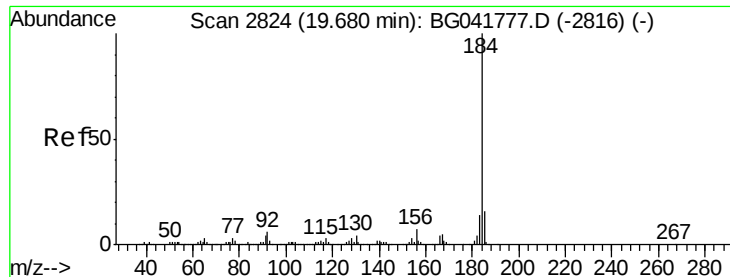
Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	240	Resp:	674512
Ion Ratio		Lower	Upper
240	100		
120	7.9	8.0	12.0#
236	26.8	22.6	33.8





#77

Benzidine

Concen: 7.678 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

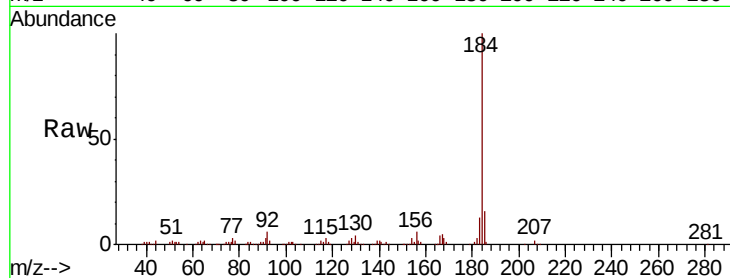
ClientSampleId :

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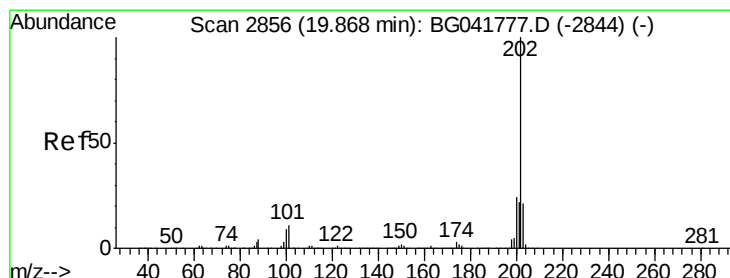
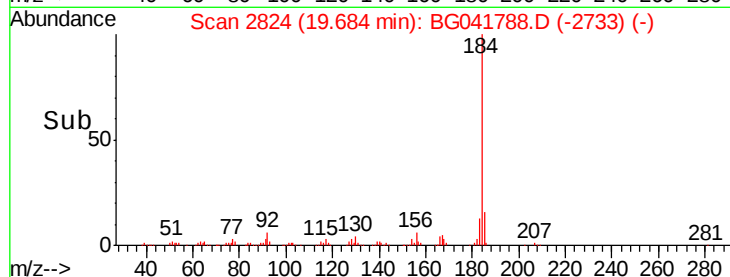
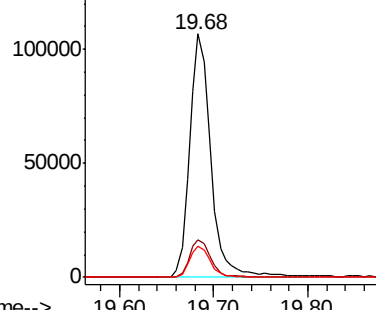
Tot Ion:	184	Resp:	169036
Ion Ratio	Lower	Upper	
184	100		
185	15.5	13.0	19.4
183	13.0	11.8	17.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.155 ng

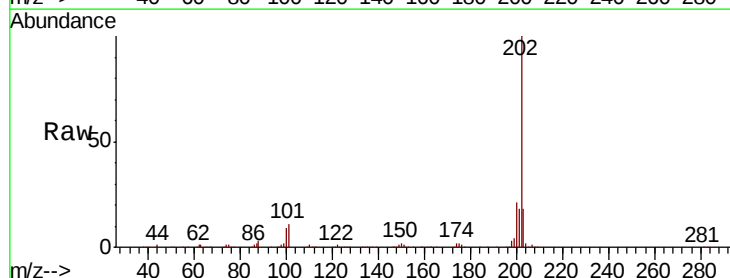
RT: 19.87 min Scan# 2856

Delta R.T. 0.00 min

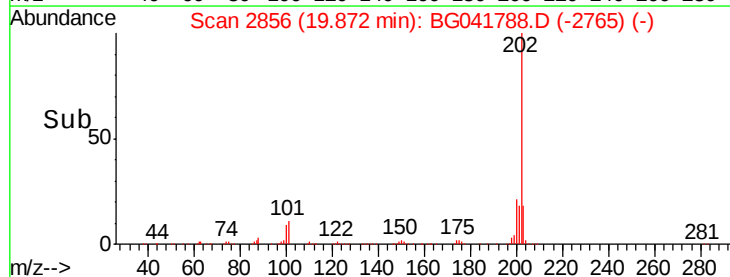
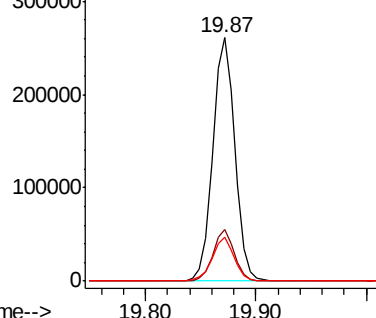
Lab File: BG041788.D

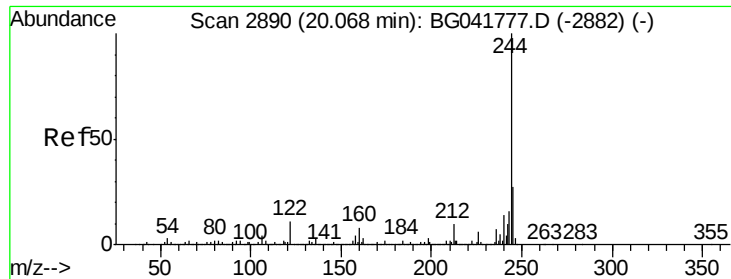
Acq: 29 Jul 2019 14:27

Tgt Ion:	202	Resp:	365882
Ion Ratio	Lower	Upper	
202	100		
200	21.4	22.2	33.2#
203	18.1	18.9	28.3#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





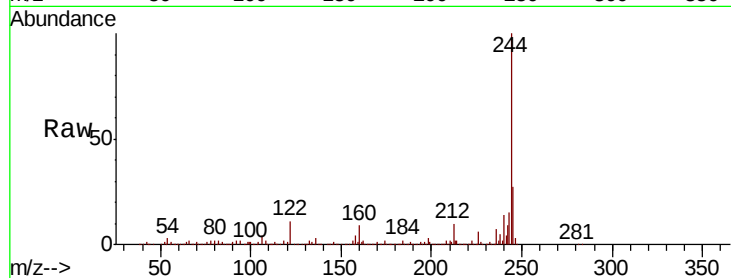
#79
 Terphenyl-d14
 Concen: 73.128 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

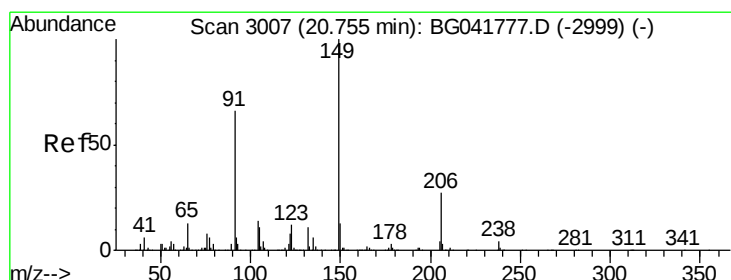
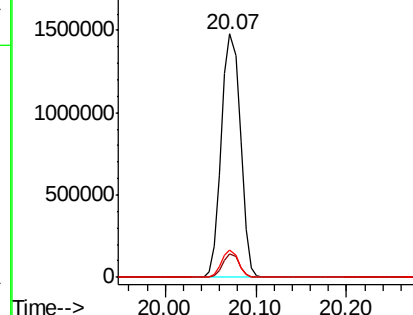
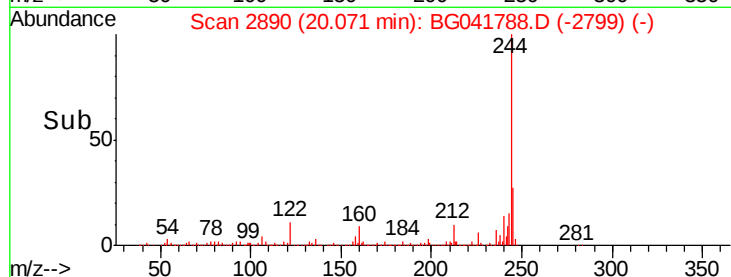
Tot Ion	Ratio	Lower	Upper
244	100		
212	9.7	9.7	14.5
122	11.2	12.5	18.7

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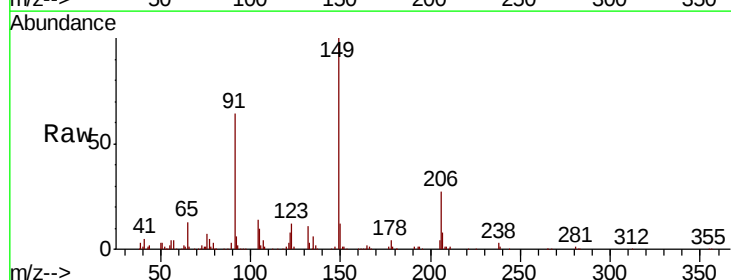


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

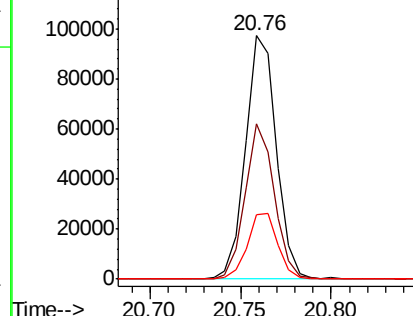
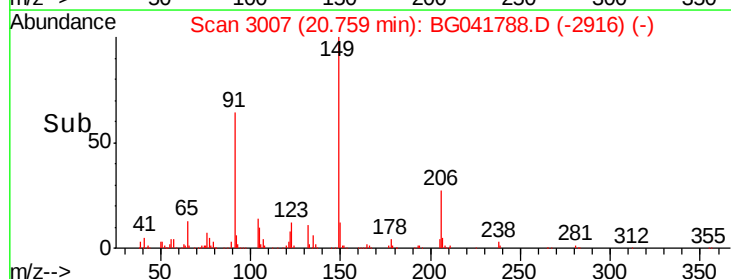


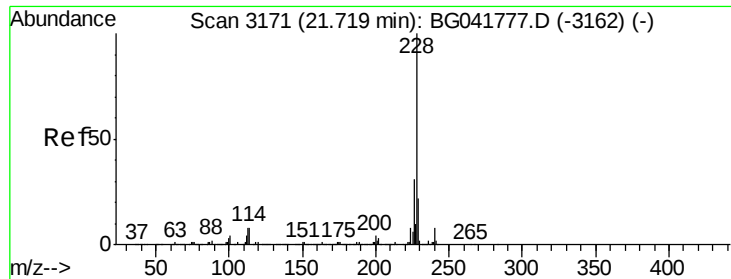
#80
 Butylbenzylphthalate
 Concen: 7.480 ng
 RT: 20.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: BG041788.D
 Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.6	58.9	88.3
206	26.5	20.8	31.2



Abundance Ion 149.00 (148.70 to 149.70): E
 120000
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E





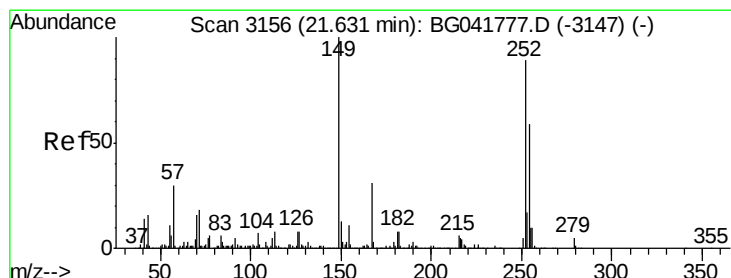
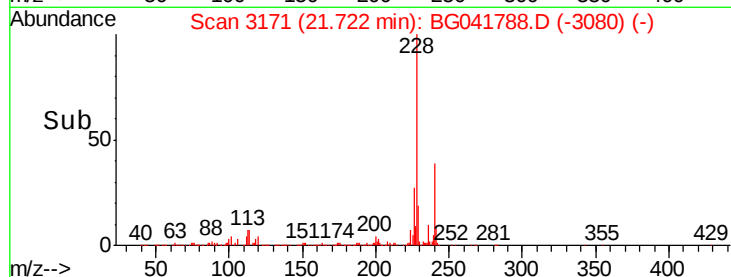
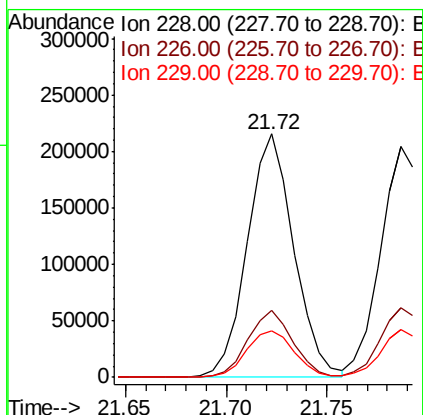
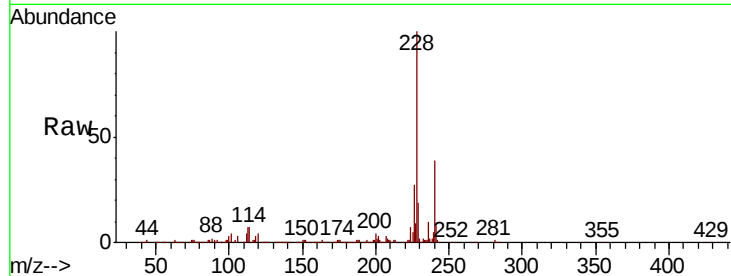
#81
Benzo(a)anthracene
Concen: 8.684 ng m
RT: 21.72 min Scan# 3171
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	27.3	40.9#
229	19.1	19.7	29.5#

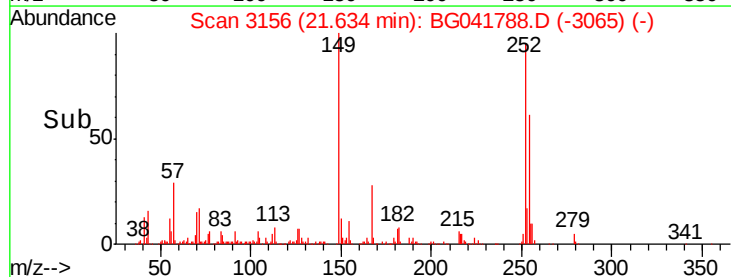
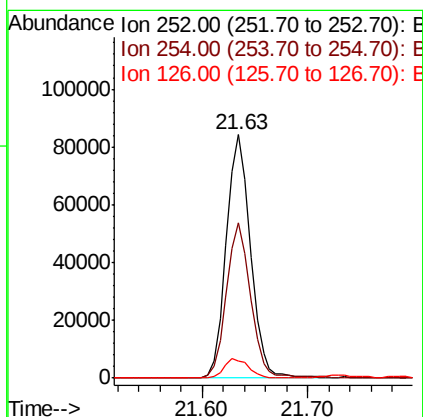
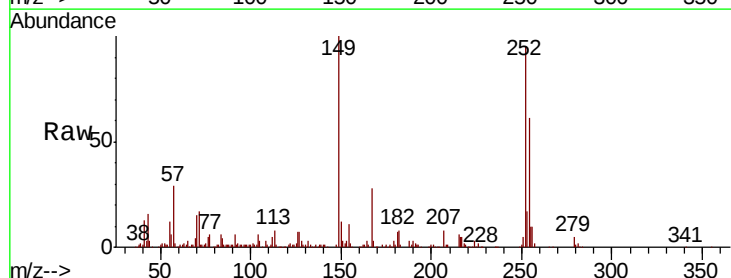
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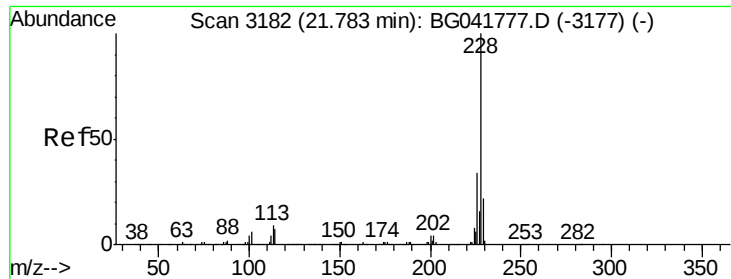
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#82
3,3'-Dichlorobenzidine
Concen: 8.355 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.8	80.6
126	7.1	7.8	11.8#





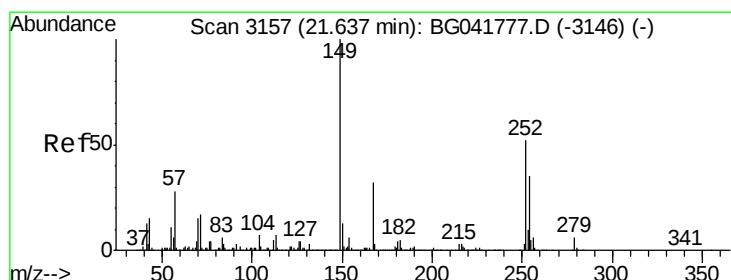
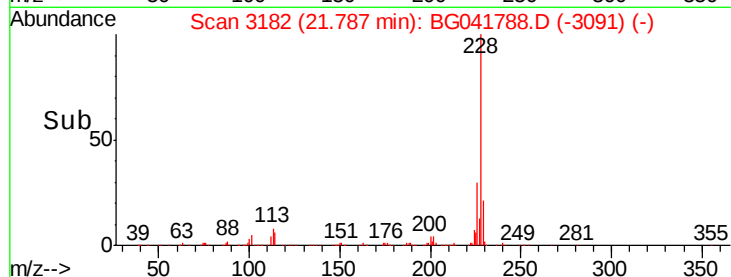
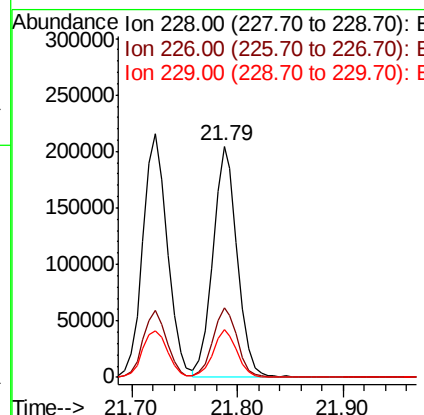
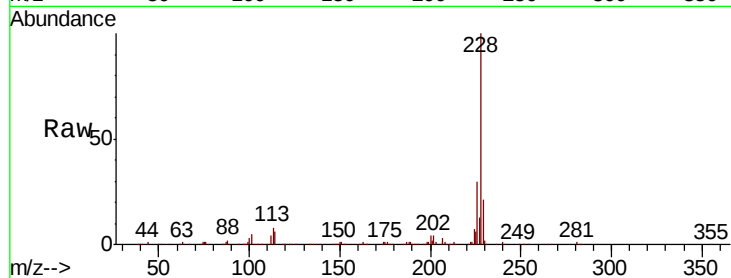
#83
Chrysene
Concen: 8.603 ng
RT: 21.79 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	30.1	45.1
229	20.6	19.8	29.6

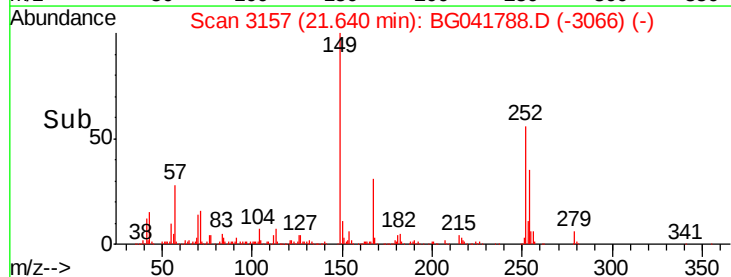
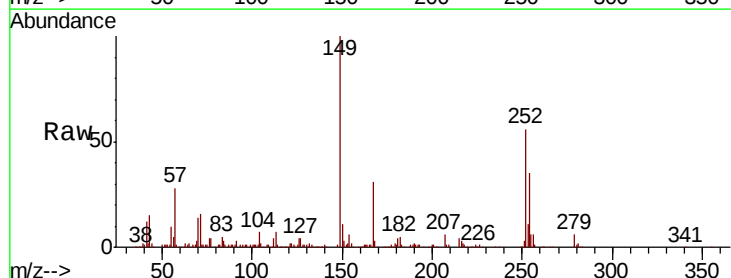
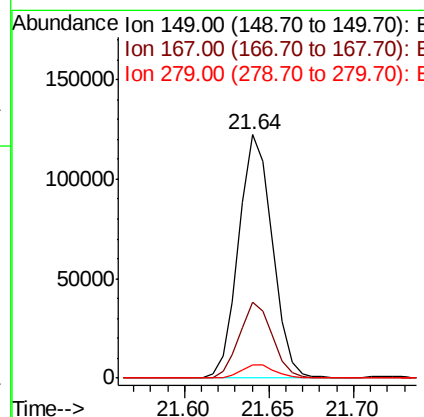
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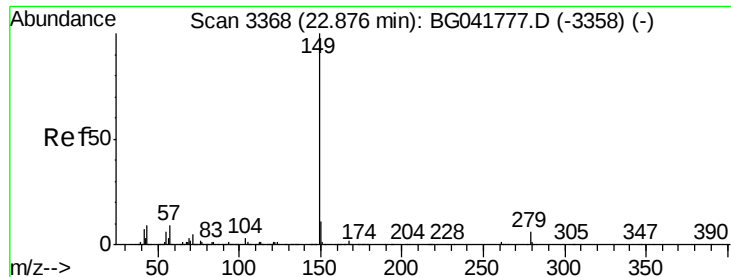
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#84
Bis(2-ethylhexyl)phthalate
Concen: 8.061 ng
RT: 21.64 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.3	27.0	40.4
279	5.7	5.0	7.6





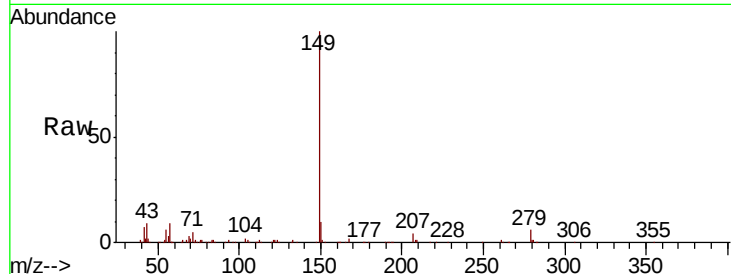
#85
Di-n-octyl phthalate
Concen: 7.782 ng
RT: 22.88 min Scan# 3368
Delta R.T. 0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

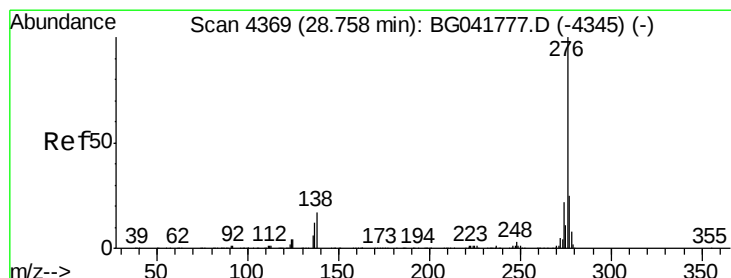
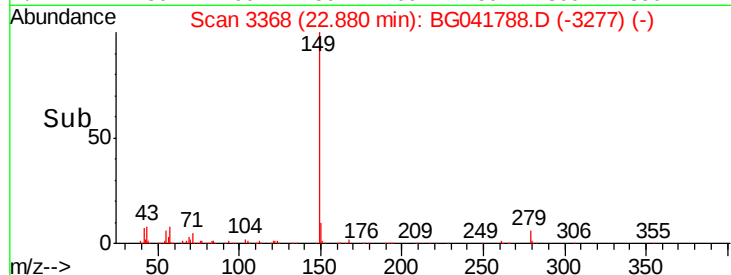
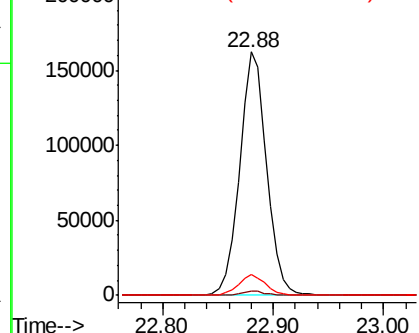
Tot Ion	Ratio	Resp	Lower	Upper
149	100	276798		
167	1.7		1.6	2.4
43	8.5		10.6	16.0

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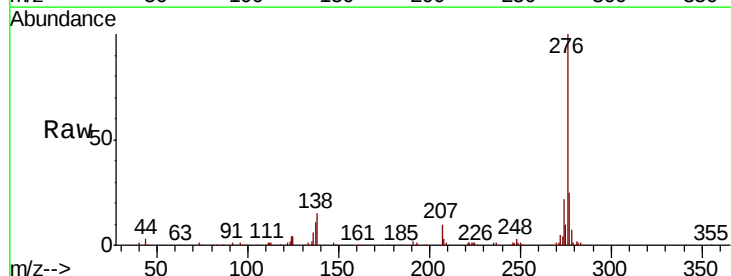


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

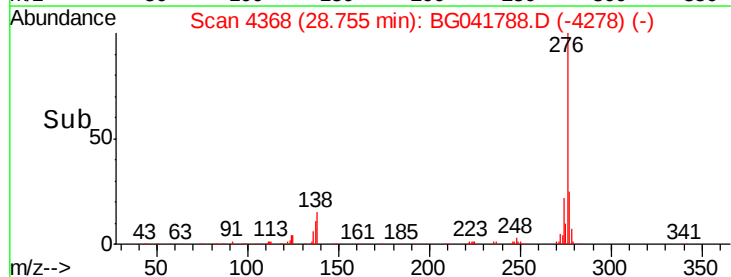
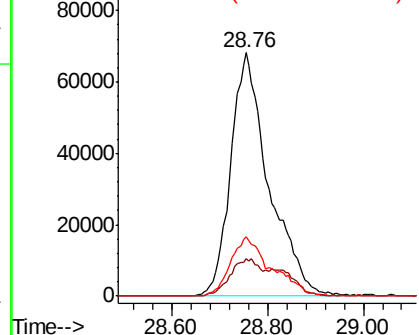


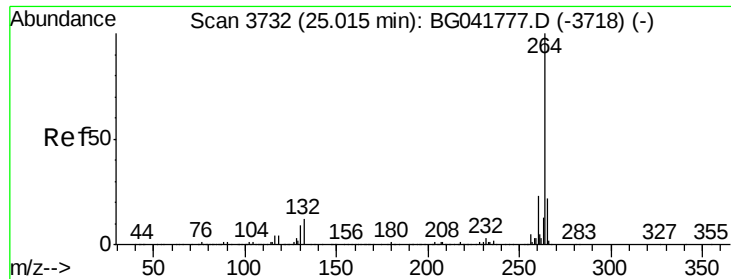
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.418 ng
RT: 28.76 min Scan# 4368
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	375665		
138	13.2		19.4	29.0
277	26.1		21.2	31.8



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: 25.02 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

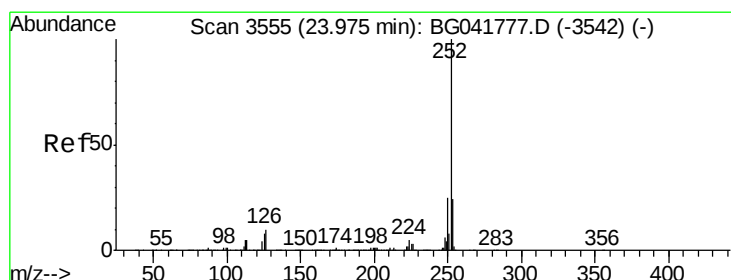
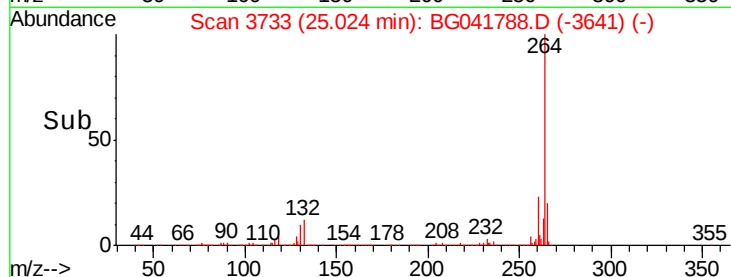
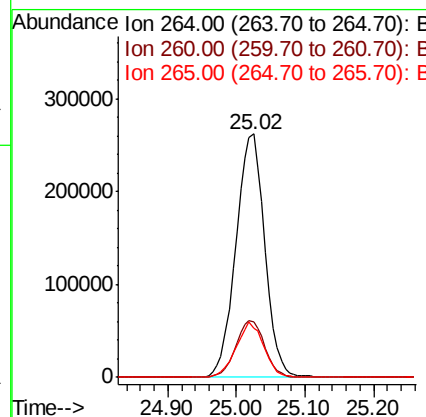
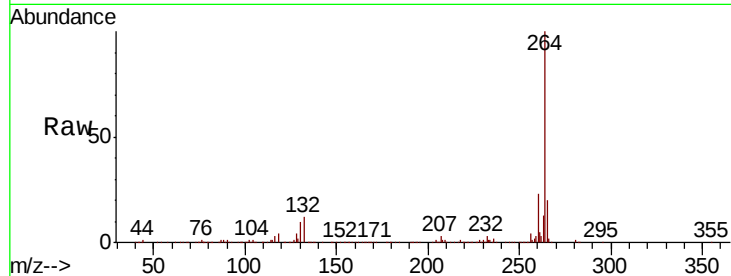
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	264	Resp:	764791
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.5	29.3
265	20.2	18.0	27.0

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#88

Benzo(b)fluoranthene

Concen: 8.008 ng

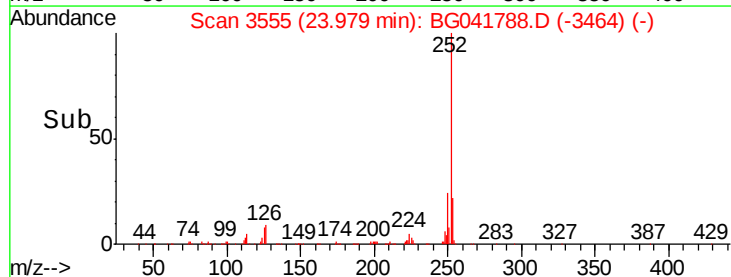
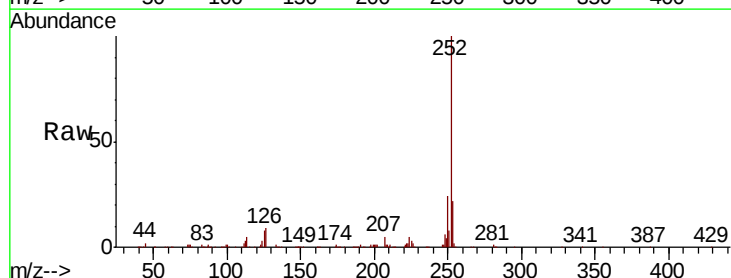
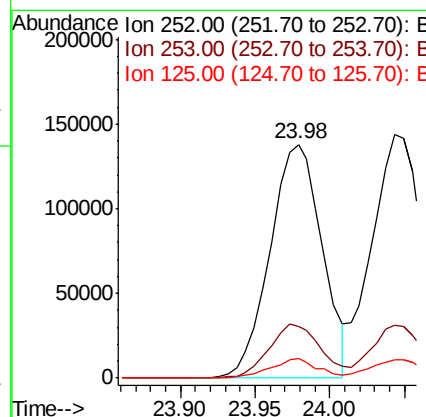
RT: 23.98 min Scan# 3555

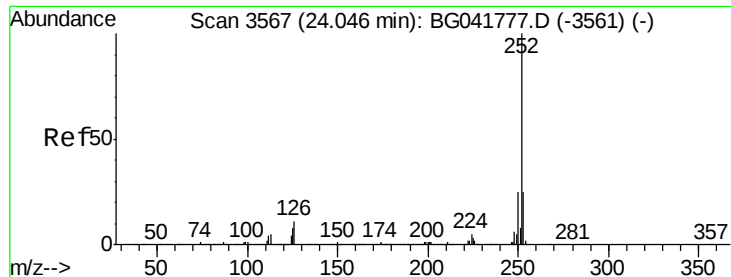
Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	252	Resp:	335052
Ion Ratio	Lower	Upper	
252	100		
253	21.9	20.6	30.8
125	8.3	8.0	12.0





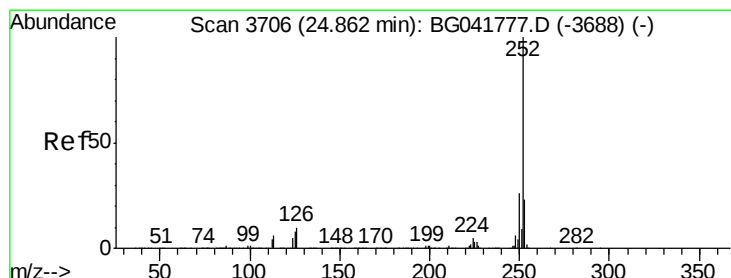
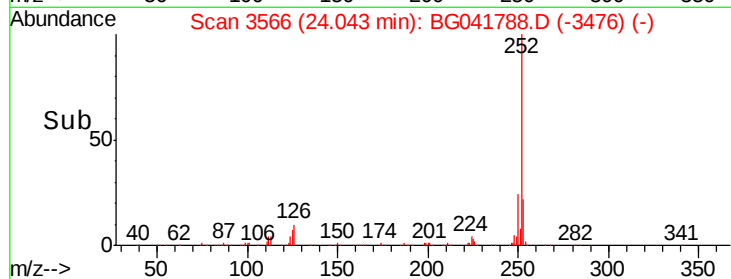
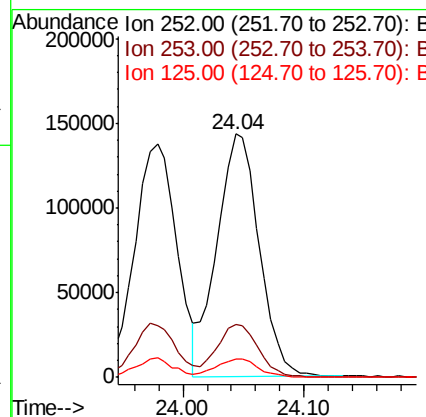
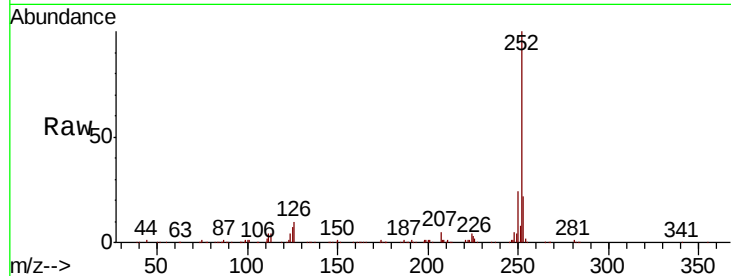
#89
Benzo(k)fluoranthene
Concen: 8.506 ng
RT: 24.04 min Scan# 3566
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	20.5	30.7
125	7.3	8.4	12.6

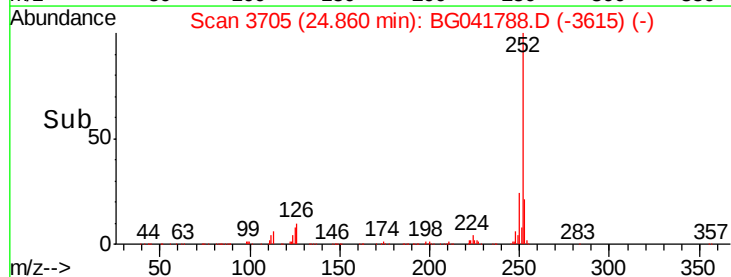
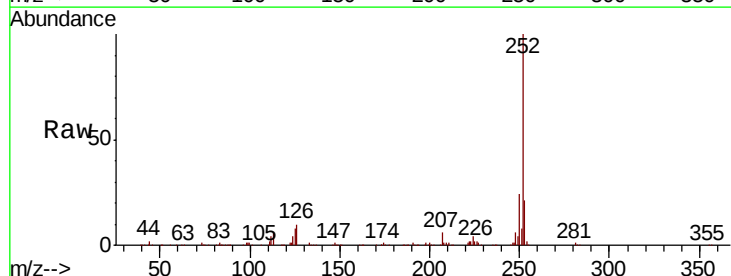
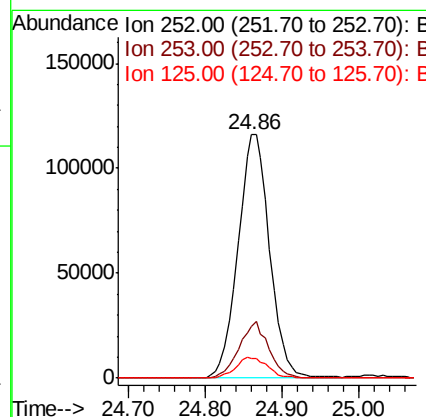
Manual Integrations
APPROVED

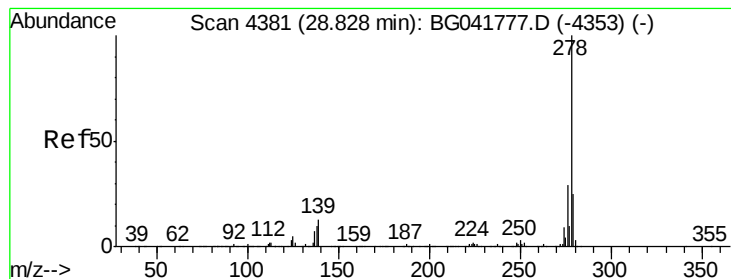
mohammad
7/30/2019 4:52:26 PM



#90
Benzo(a)pyrene
Concen: 8.300 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.00 min
Lab File: BG041788.D
Acq: 29 Jul 2019 14:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.4	19.8	29.8
125	8.2	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.027 ng

RT: 28.83 min Scan# 4380

Delta R.T. -0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Instrument :

BNA_G

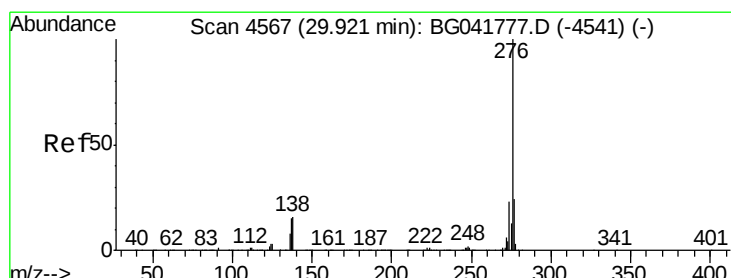
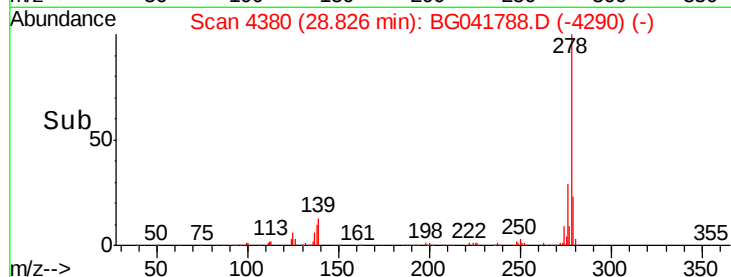
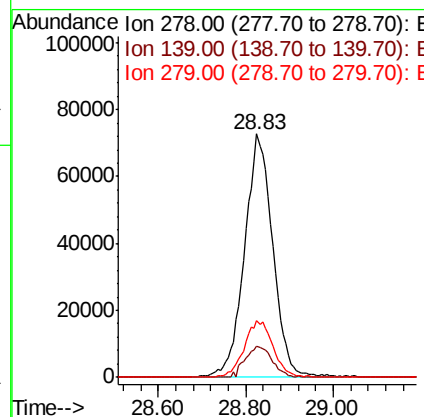
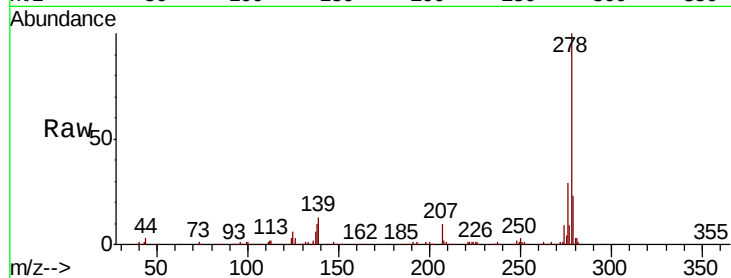
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	278	Resp:	316238
Ion Ratio	Lower	Upper	
278	100		
139	12.8	12.6	19.0
279	23.4	20.5	30.7

Manual Integrations
APPROVED

mohammad
7/30/2019 4:52:26 PM



#92

Benzo(g,h,i)perylene

Concen: 7.946 ng

RT: 29.92 min Scan# 4567

Delta R.T. 0.00 min

Lab File: BG041788.D

Acq: 29 Jul 2019 14:27

Tgt Ion:	276	Resp:	312769
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.8	29.8
138	15.0	16.6	25.0#

