

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
 Data File : BG041787.D
 Acq On : 29 Jul 2019 13:36
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 30 07:37:43 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	8.07	152	89531	20.00	ng	0.02
21) Naphthalene-d8	10.89	136	385114	20.00	ng	0.02
39) Acenaphthene-d10	14.72	164	285710	20.00	ng	0.01
64) Phenanthrene-d10	17.46	188	645774	20.00	ng	0.00
76) Chrysene-d12	21.74	240	674819	20.00	ng	0.00
87) Perylene-d12	25.02	264	754207	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	591573	128.56	ng	0.02
7) Phenol-d6	7.22	99	780301	125.78	ng	0.02
23) Nitrobenzene-d5	9.23	82	480030	85.78	ng	0.02
42) 2,4,6-Tribromophenol	16.20	330	423237	130.42	ng	0.01
45) 2-Fluorobiphenyl	13.34	172	1347997	83.21	ng	0.01
79) Terphenyl-d14	20.07	244	2150364	72.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	12619	5.826	ng	89
3) Pyridine	3.90	79	25019	4.212	ng	88
4) n-Nitrosodimethylamine	3.80	42	10236	4.347	ng	# 97
6) Aniline	7.38	93	42749	4.894	ng	97
8) 2-Chlorophenol	7.62	128	26778	5.082	ng	98
9) Benzaldehyde	7.19	77	26027	5.962	ng	99
10) Phenol	7.24	94	32735	5.072	ng	99
11) bis(2-Chloroethyl)ether	7.48	93	26630	5.019	ng	90
12) 1,3-Dichlorobenzene	7.96	146	32866	4.779	ng	96
13) 1,4-Dichlorobenzene	8.11	146	34582	5.025	ng	93
14) 1,2-Dichlorobenzene	8.42	146	30814	4.693	ng	96
15) Benzyl Alcohol	8.30	79	22702	4.651	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.59	45	44271	4.690	ng	94
17) 2-Methylphenol	8.51	107	22255	4.741	ng	94
18) Hexachloroethane	9.16	117	11601	4.923	ng	96
19) n-Nitroso-di-n-propylamine	8.88	70	21503	4.774	ng	# 89
20) 3+4-Methylphenols	8.83	107	30694	4.779	ng	97
22) Acetophenone	8.89	105	42776	4.966	ng	# 91
24) Nitrobenzene	9.27	77	30975	5.254	ng	92
25) Isophorone	9.80	82	60120	4.938	ng	98
26) 2-Nitrophenol	9.99	139	13158	4.809	ng	92
27) 2,4-Dimethylphenol	10.04	122	26475	5.482	ng	92
28) bis(2-Chloroethoxy)methane	10.29	93	37335	4.908	ng	98
29) 2,4-Dichlorophenol	10.53	162	27378	4.655	ng	95
30) 1,2,4-Trichlorobenzene	10.75	180	35126	4.710	ng	# 93
31) Naphthalene	10.94	128	90236	5.120	ng	95
32) Benzoic acid	10.14	122	2238	9.259	ng	# 82
33) 4-Chloroaniline	11.04	127	39493	4.725	ng	94
34) Hexachlorobutadiene	11.24	225	23298	4.629	ng	99
35) Caprolactam	11.78	113	9517	4.656	ng	# 81
36) 4-Chloro-3-methylphenol	12.15	107	28264	4.848	ng	97
37) 2-Methylnaphthalene	12.55	142	73061	5.237	ng	99
38) 1-Methylnaphthalene	12.76	142	69859	5.284	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	45601	5.042	ng	97

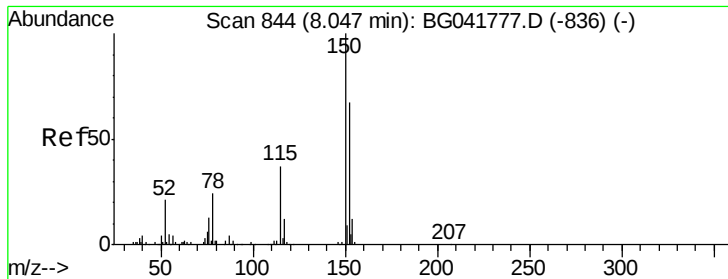
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	22606	4.446	ng	96
43) 2,4,6-Trichlorophenol	13.15	196	24958	4.366	ng	98
44) 2,4,5-Trichlorophenol	13.22	196	27493	4.628	ng #	94
46) 1,1'-Biphenyl	13.55	154	95323	5.190	ng	96
47) 2-Chloronaphthalene	13.59	162	78380	5.013	ng	94
48) 2-Nitroaniline	13.78	65	15983	4.030	ng	95
49) Acenaphthylene	14.43	152	125908	5.383	ng	96
50) Dimethylphthalate	14.16	163	102695	5.263	ng	97
51) 2,6-Dinitrotoluene	14.27	165	20473	5.018	ng #	87
52) Acenaphthene	14.78	154	75537	4.965	ng	97
53) 3-Nitroaniline	14.60	138	19610	4.493	ng #	89
54) 2,4-Dinitrophenol	14.81	184	4227	5.627	ng #	89
55) Dibenzofuran	15.11	168	130452	5.606	ng #	88
56) 4-Nitrophenol	14.90	139	12845	3.877	ng #	82
57) 2,4-Dinitrotoluene	15.06	165	24388	4.346	ng	96
58) Fluorene	15.76	166	102590	5.494	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.33	232	26781	4.552	ng #	96
60) Diethylphthalate	15.53	149	102320	5.341	ng	98
61) 4-Chlorophenyl-phenylether	15.76	204	59063	5.181	ng	96
62) 4-Nitroaniline	15.76	138	22156	4.686	ng	89
63) Azobenzene	16.04	77	82515	5.273	ng	95
65) 4,6-Dinitro-2-methylphenol	15.83	198	11411	9.947	ng	92
66) n-Nitrosodiphenylamine	15.96	169	93538	5.318	ng	97
67) 4-Bromophenyl-phenylether	16.65	248	38074	4.786	ng	97
68) Hexachlorobenzene	16.77	284	39448	4.740	ng	92
69) Atrazine	16.91	200	33119	4.792	ng	97
70) Pentachlorophenol	17.11	266	17074	3.612	ng	91
71) Phenanthrene	17.51	178	174940	5.652	ng #	91
72) Anthracene	17.59	178	176057	5.703	ng #	89
73) Carbazole	17.86	167	152069	5.488	ng #	93
74) Di-n-butylphthalate	18.43	149	166960	5.315	ng #	91
75) Fluoranthene	19.52	202	217133	5.771	ng	87
77) Benzidine	19.69	184	96878	4.398	ng	97
78) Pyrene	19.87	202	228472	5.714	ng #	89
80) Butylbenzylphthalate	20.76	149	69345	4.524	ng	89
81) Benzo(a)anthracene	21.79	228	210021	5.260	ng	93
82) 3,3'-Dichlorobenzidine	21.64	252	78271	4.883	ng #	97
83) Chrysene	21.79	228	210021	5.488	ng	90
84) Bis(2-ethylhexyl)phthalate	21.64	149	104155	4.926	ng	95
85) Di-n-octyl phthalate	22.88	149	167668	4.712	ng #	89
86) Indeno(1,2,3-cd)pyrene	28.76	276	234882	4.636	ng #	89
88) Benzo(b)fluoranthene	23.98	252	208301	5.049	ng #	94
89) Benzo(k)fluoranthene	24.05	252	220556	5.488	ng #	92
90) Benzo(a)pyrene	24.87	252	206912	5.229	ng #	94
91) Dibenzo(a,h)anthracene	28.84	278	193413	4.978	ng	96
92) Benzo(g,h,i)perylene	29.93	276	192226	4.952	ng #	90

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

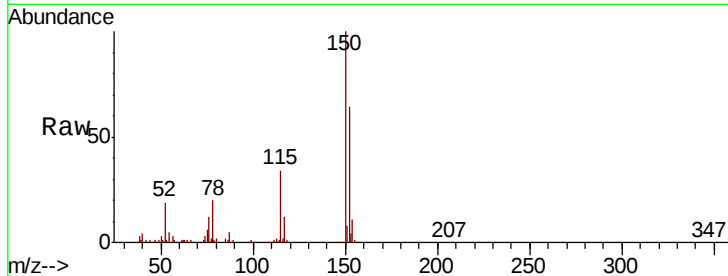


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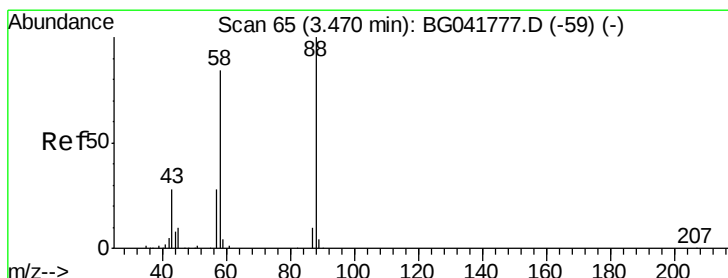
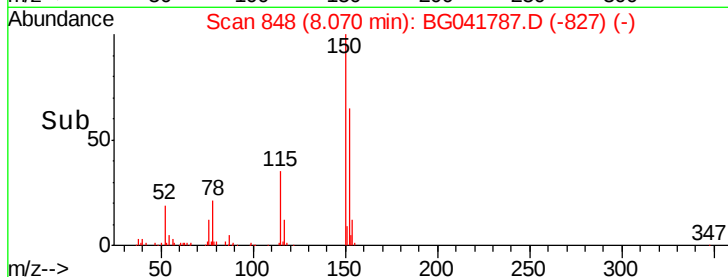
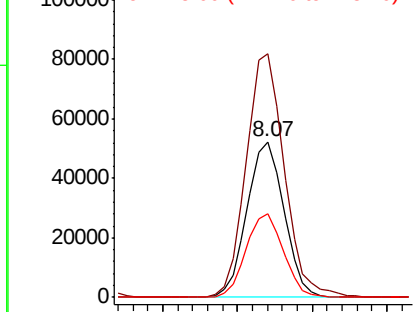
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:152 Resp: 89531
Ion Ratio Lower Upper
152 100
150 156.6 126.9 190.3
115 53.5 45.0 67.6



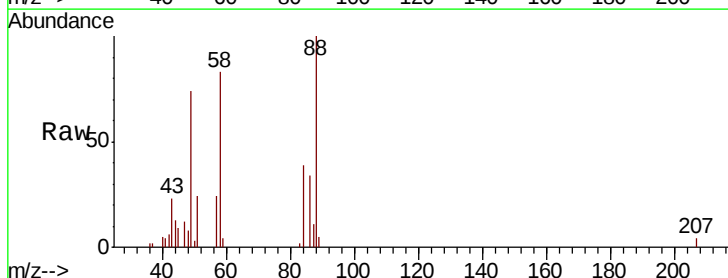
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



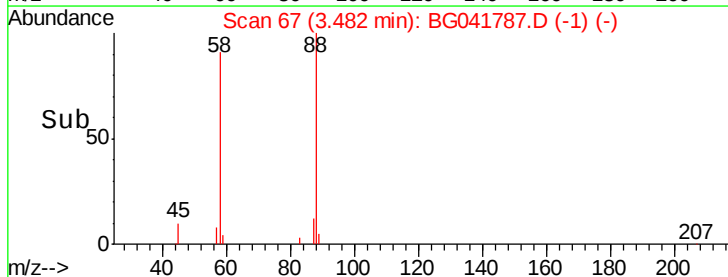
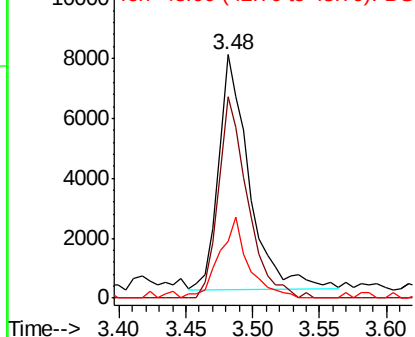
#2

1,4-Dioxane
Concen: 5.826 ng
RT: 3.48 min Scan# 67
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion: 88 Resp: 12619
Ion Ratio Lower Upper
88 100
58 81.9 76.2 114.2
43 32.9 27.2 40.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.212 ng

RT: 3.90 min Scan# 138

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

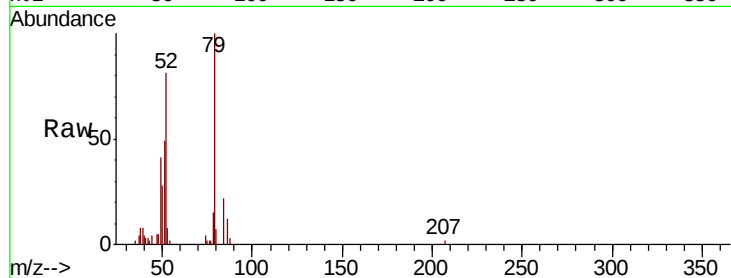
Tot Ion: 79 Resp: 25019

Ion Ratio Lower Upper

79 100

52 80.8 77.1 115.7

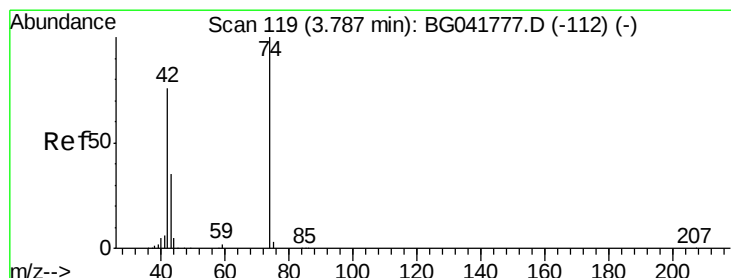
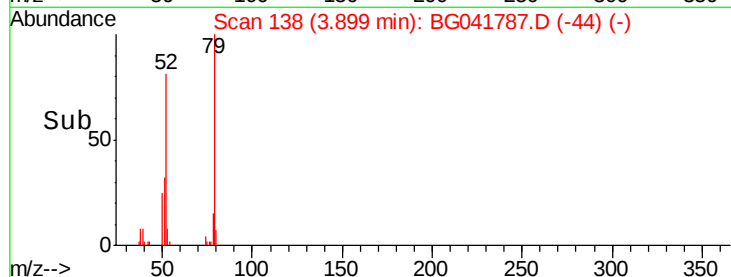
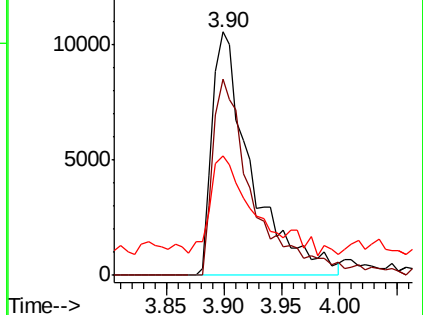
51 49.1 37.8 56.8



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 4.347 ng

RT: 3.80 min Scan# 122

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

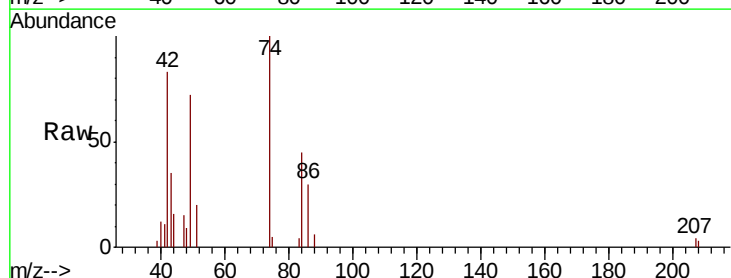
Tgt Ion: 42 Resp: 10236

Ion Ratio Lower Upper

42 100

74 120.1 97.4 146.2

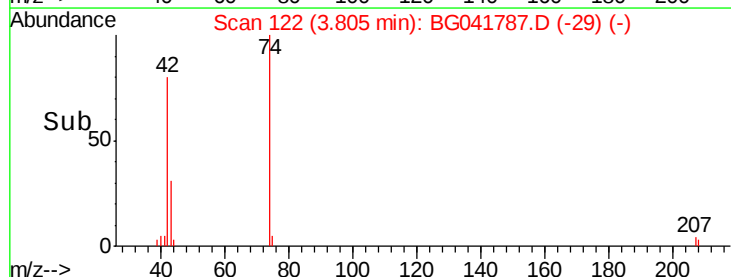
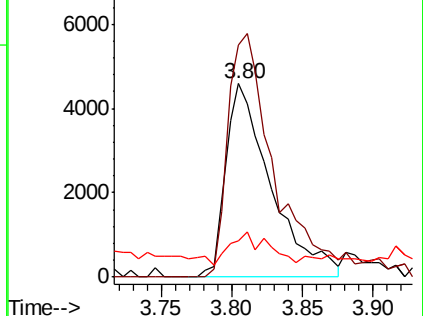
44 19.0 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 128.556 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

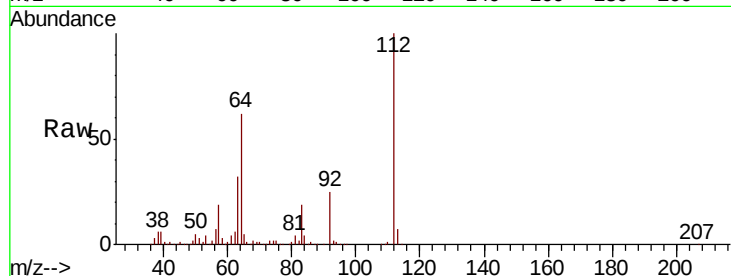
Tot Ion:112 Resp: 591573

Ion Ratio Lower Upper

112 100

64 62.2 55.4 83.2

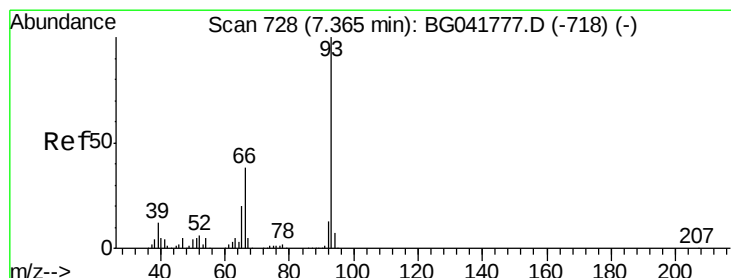
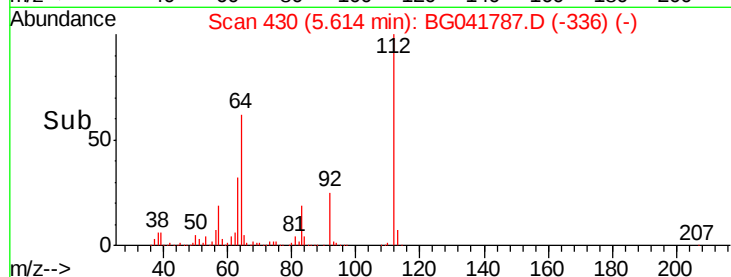
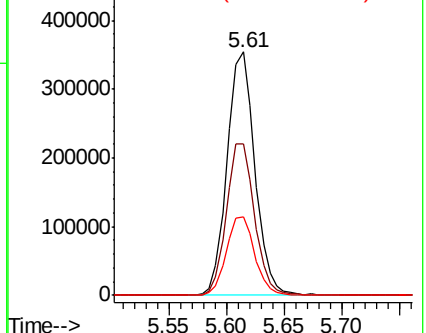
63 32.5 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.894 ng

RT: 7.38 min Scan# 731

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

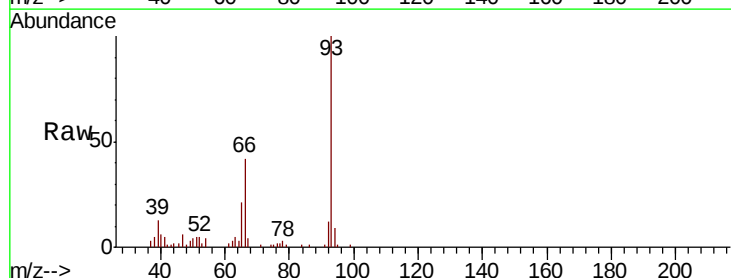
Tgt Ion: 93 Resp: 42749

Ion Ratio Lower Upper

93 100

66 41.5 34.2 51.2

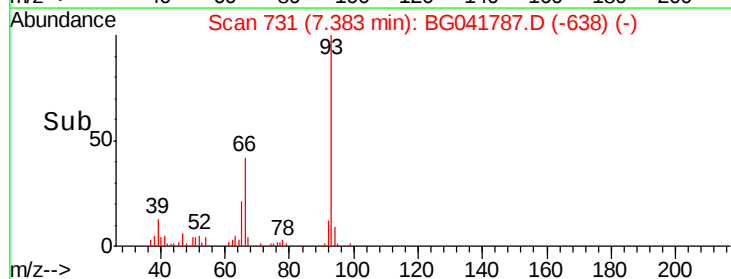
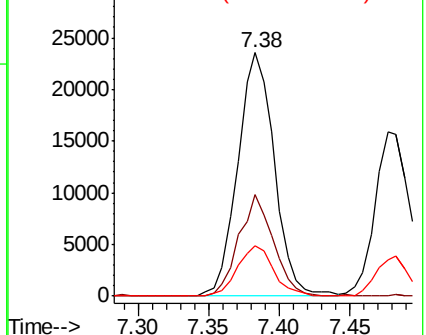
65 20.7 18.2 27.2

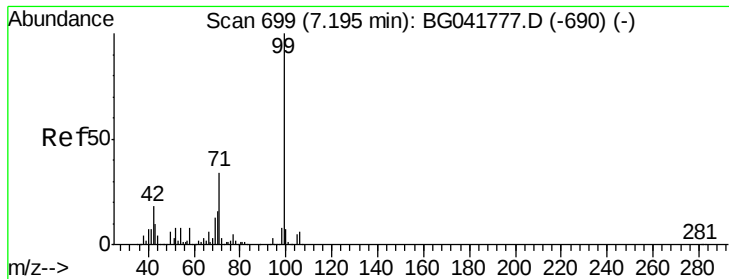


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 125.778 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

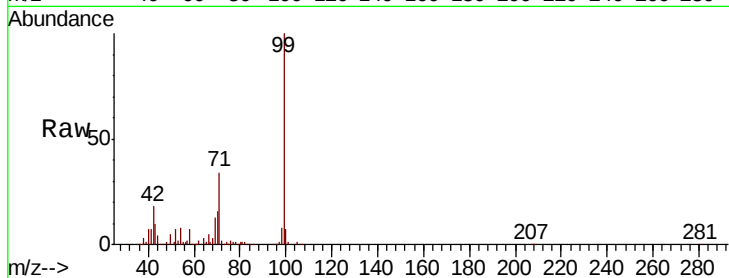
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 99 Resp: 780301

Ion	Ratio	Lower	Upper
99	100		
42	17.5	17.6	26.4#
71	34.3	27.8	41.6

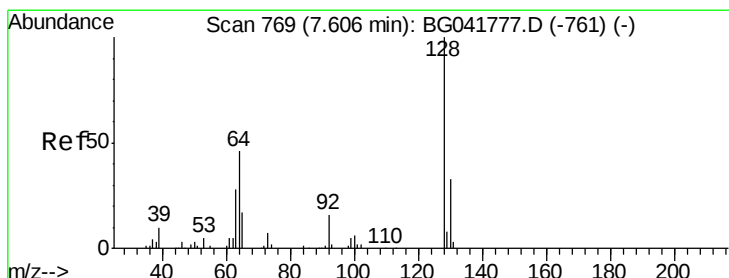
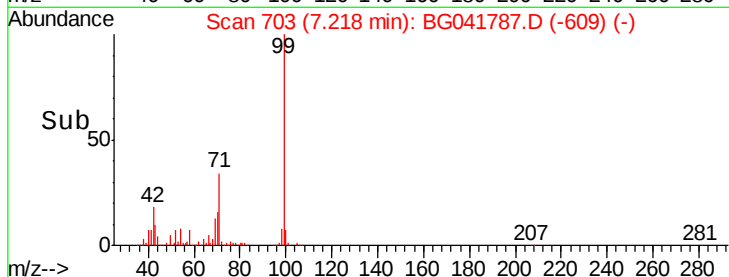
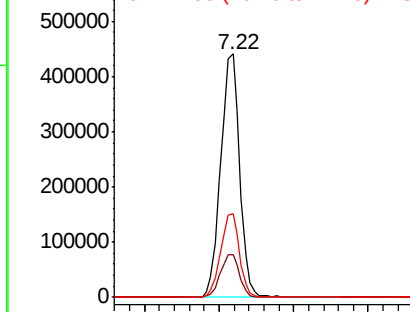


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 5.082 ng

RT: 7.62 min Scan# 772

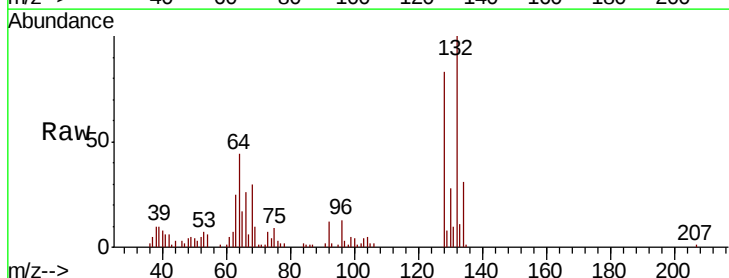
Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion: 128 Resp: 26778

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.4	52.4
64	52.8	34.9	74.9

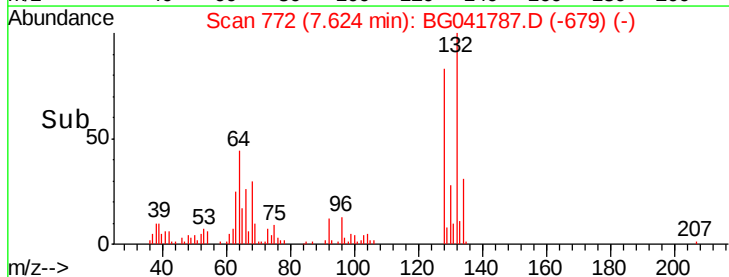
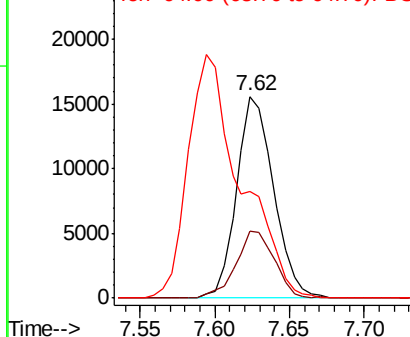


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 5.962 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

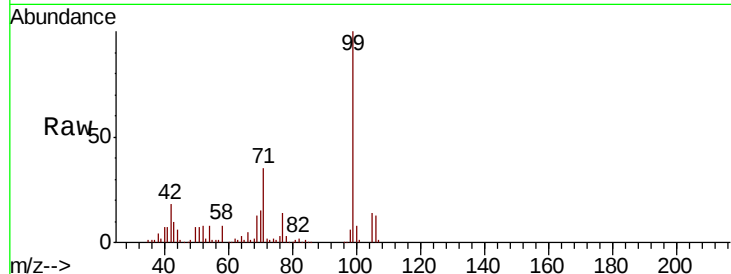
Tot Ion: 77 Resp: 26027

Ion Ratio Lower Upper

77 100

105 96.4 74.6 114.6

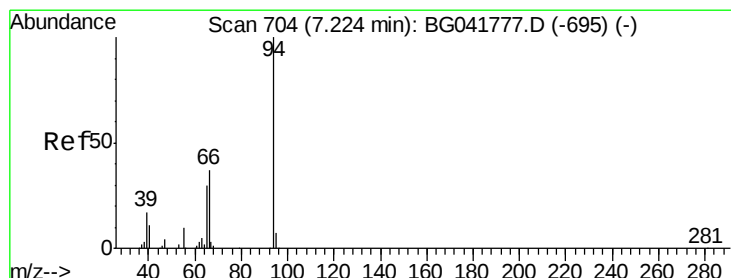
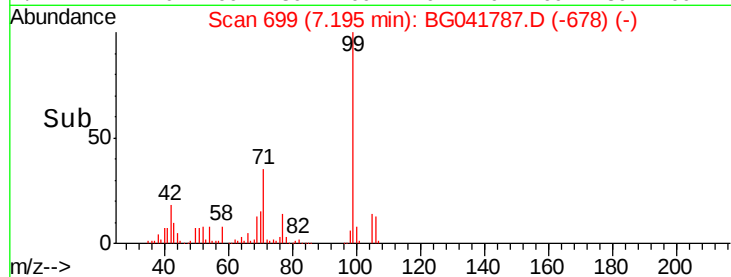
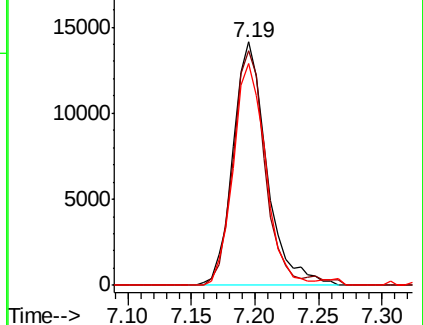
106 91.0 71.1 111.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 5.072 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

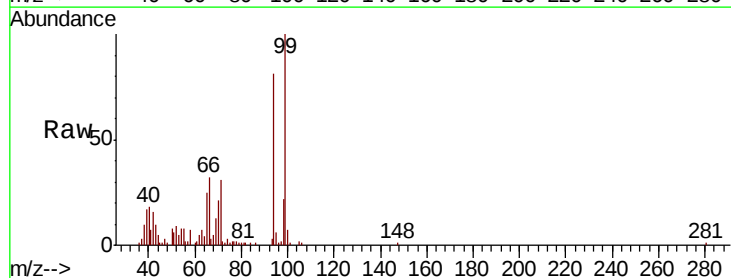
Tgt Ion: 94 Resp: 32735

Ion Ratio Lower Upper

94 100

65 30.5 10.6 50.6

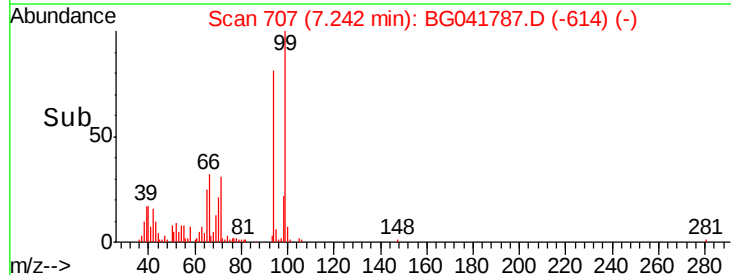
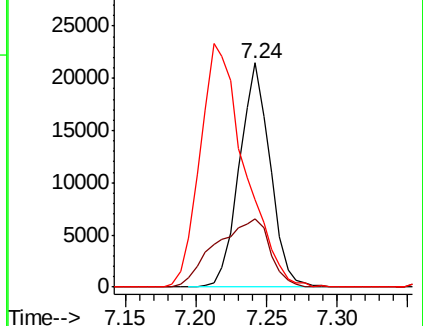
66 39.1 18.2 58.2

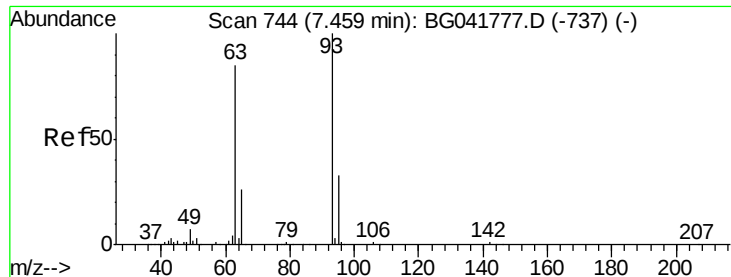


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

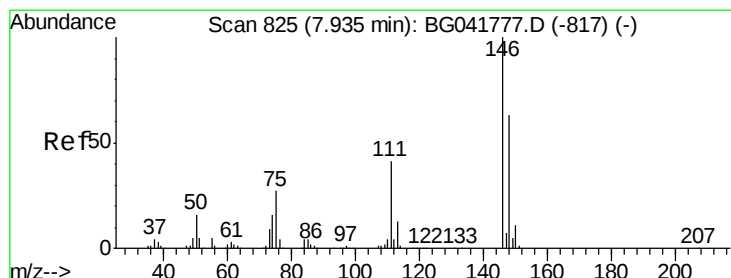
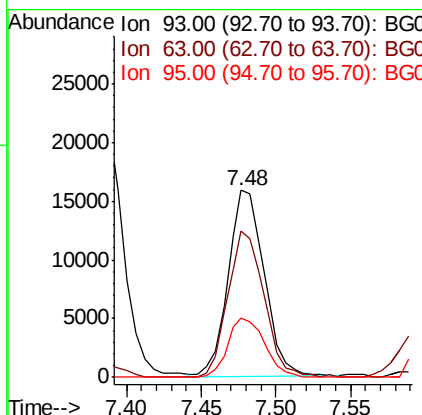
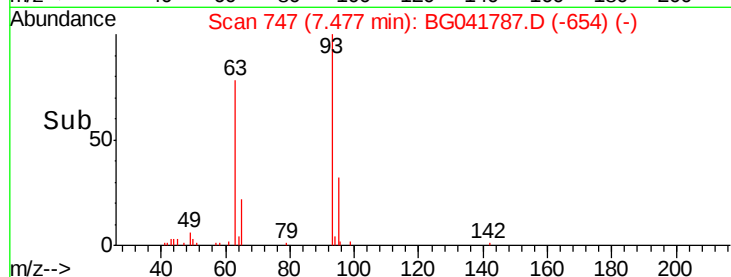
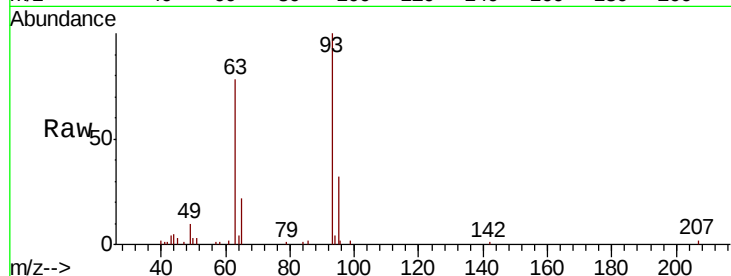




#11
bis(2-Chloroethyl)ether
Concen: 5.019 ng
RT: 7.48 min Scan# 747
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

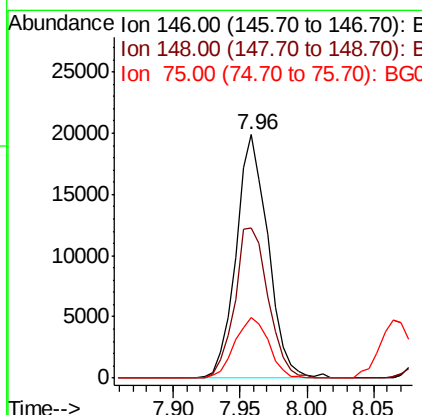
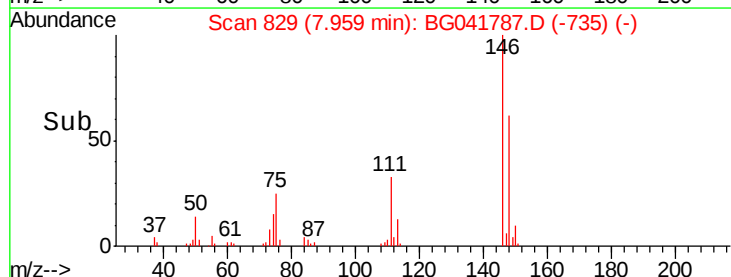
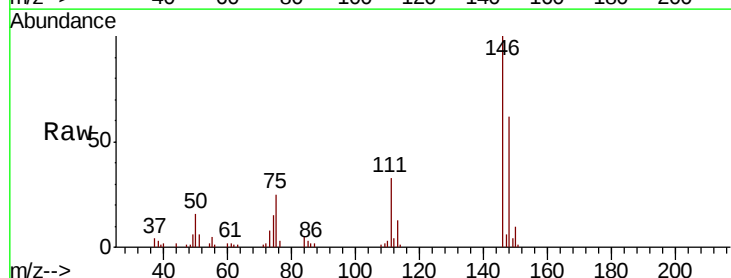
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

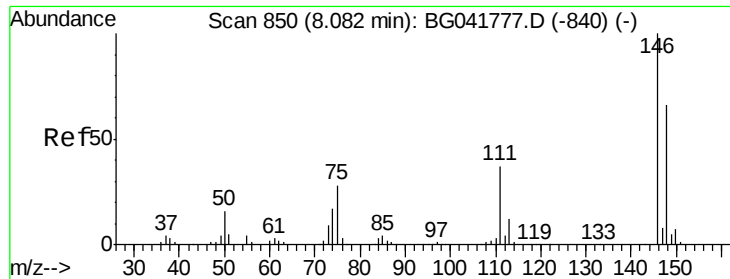
Tot Ion: 93 Resp: 26630
Ion Ratio Lower Upper
93 100
63 78.4 70.4 110.4
95 33.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 4.779 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion: 146 Resp: 32866
Ion Ratio Lower Upper
146 100
148 61.9 51.5 77.3
75 25.1 23.2 34.8

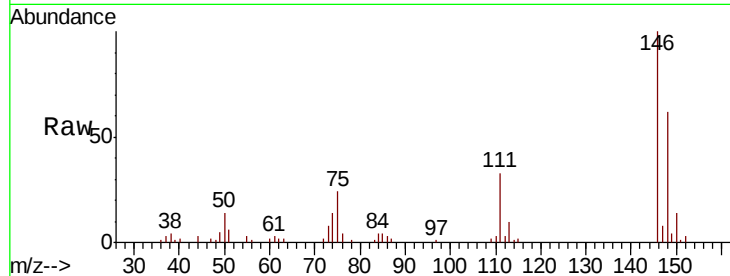




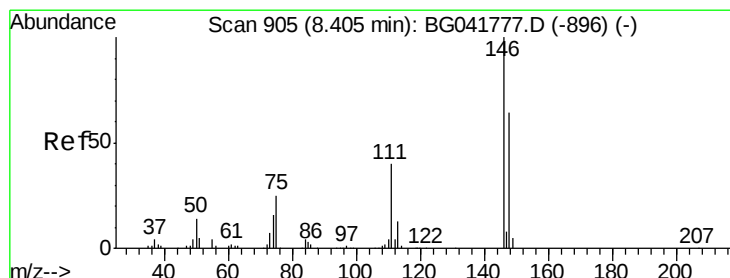
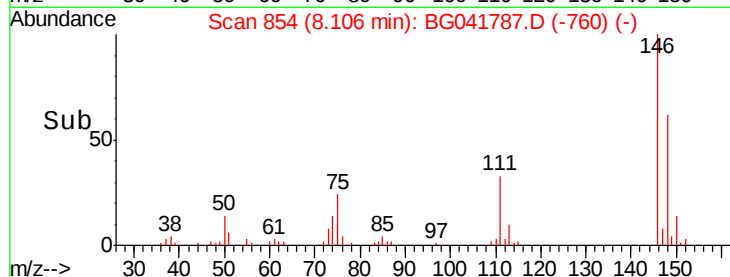
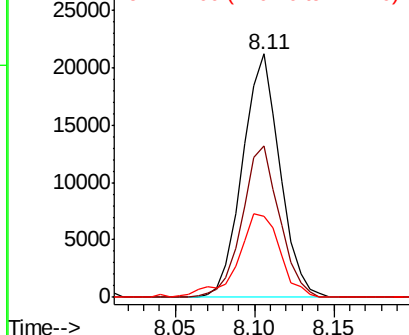
#13
 1,4-Dichlorobenzene
 Concen: 5.025 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

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

Tot Ion:146 Resp: 34582
 Ion Ratio Lower Upper
 146 100
 148 62.2 52.6 79.0
 111 33.2 32.5 48.7

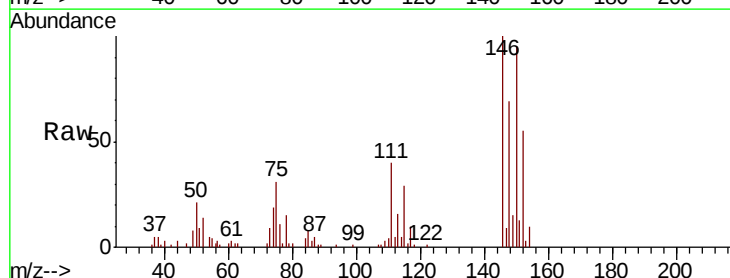


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

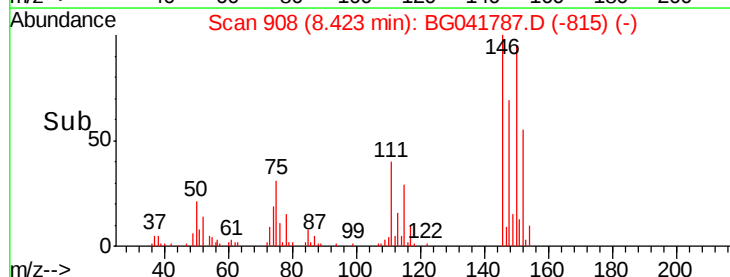
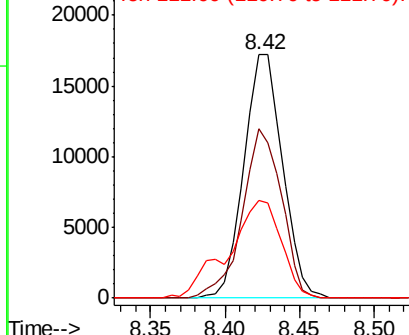


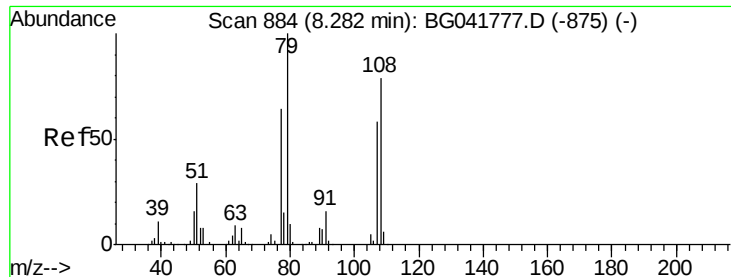
#14
 1,2-Dichlorobenzene
 Concen: 4.693 ng
 RT: 8.42 min Scan# 908
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion:146 Resp: 30814
 Ion Ratio Lower Upper
 146 100
 148 69.3 53.5 80.3
 111 40.2 35.4 53.0



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





#15

Benzyl Alcohol

Concen: 4.651 ng

RT: 8.30 min Scan# 887

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

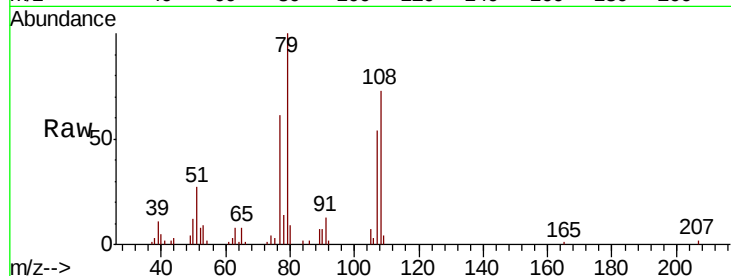
Tot Ion: 79 Resp: 22702

Ion Ratio Lower Upper

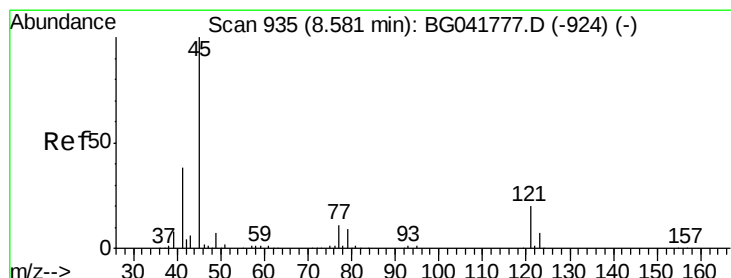
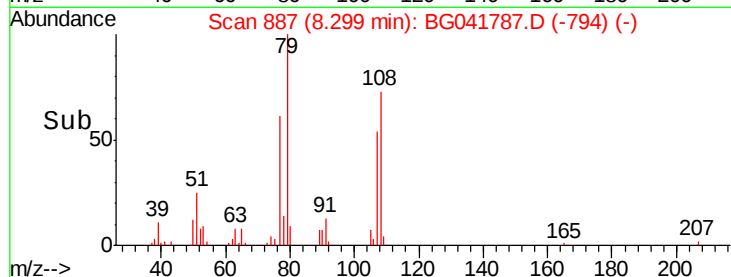
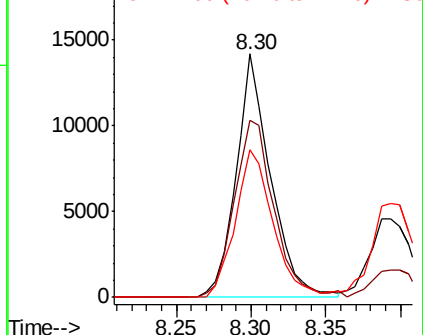
79 100

108 72.6 60.5 90.7

77 60.8 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.690 ng

RT: 8.59 min Scan# 937

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

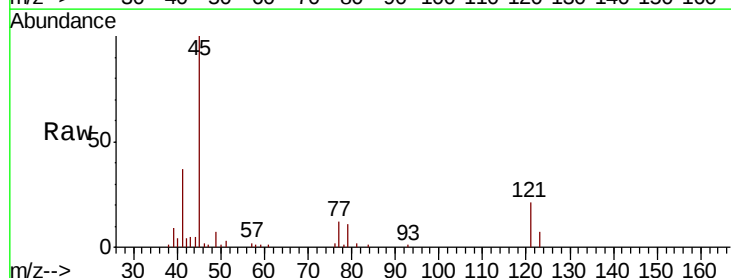
Tgt Ion: 45 Resp: 44271

Ion Ratio Lower Upper

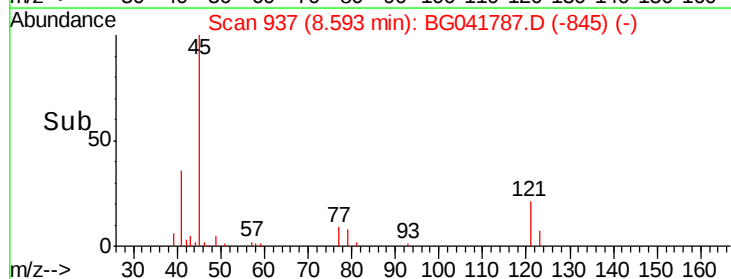
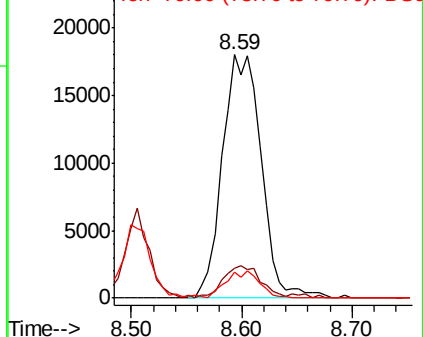
45 100

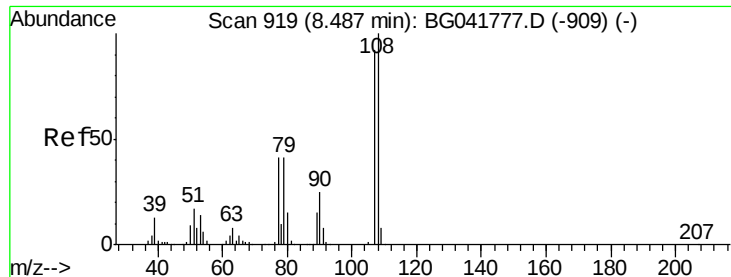
77 12.3 0.0 30.4

79 10.5 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

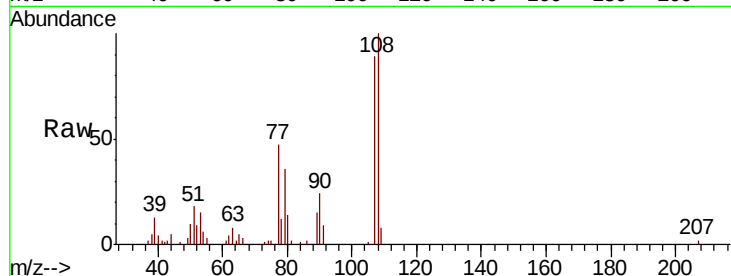




#17
2-Methylphenol
Concen: 4.741 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:	107	Resp:	22255
Ion	Ratio	Lower	Upper
107	100		
108	112.7	87.6	131.4
77	52.7	36.1	54.1
79	41.1	36.4	54.6



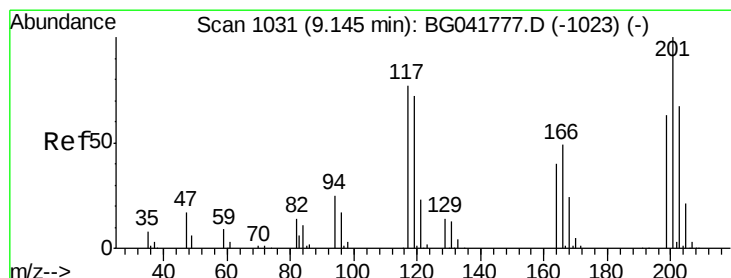
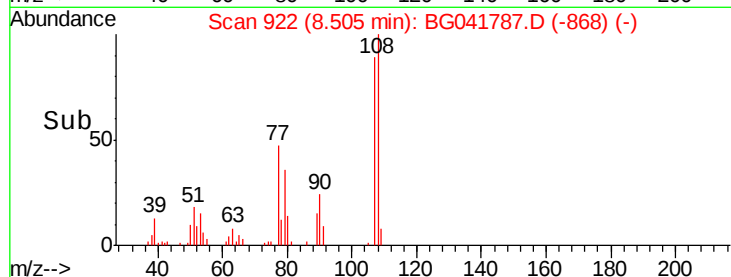
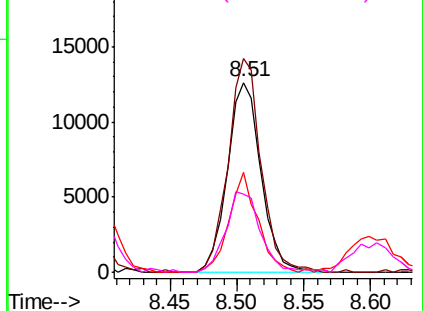
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

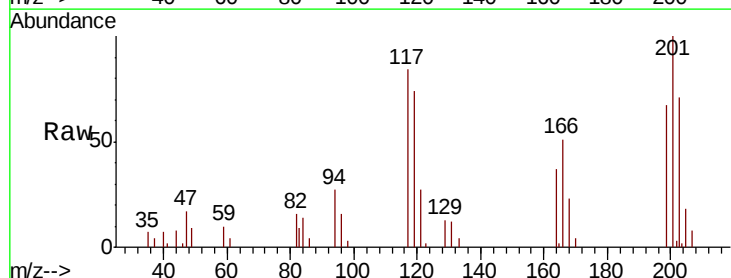
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 4.923 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:	117	Resp:	11601
Ion	Ratio	Lower	Upper
117	100		
119	87.5	76.2	114.2
201	118.9	94.1	141.1

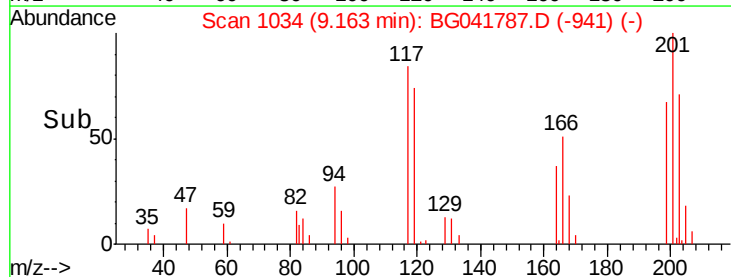
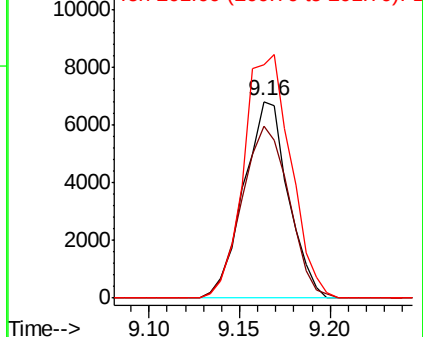


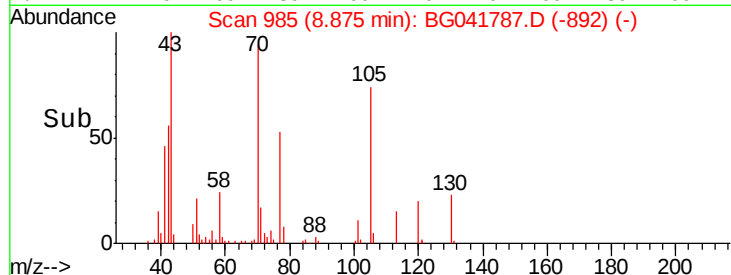
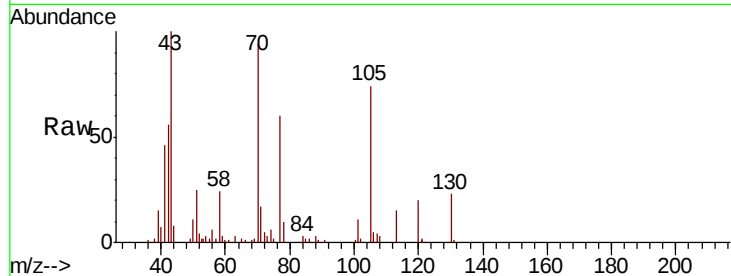
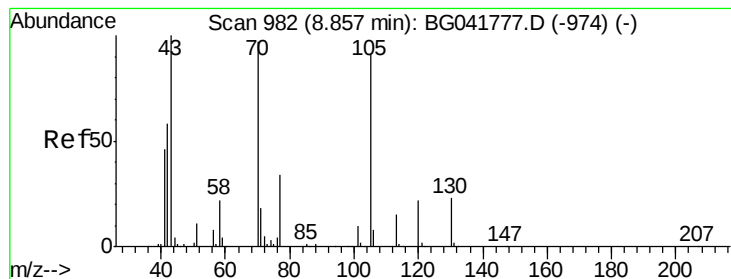
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.774 ng

RT: 8.88 min Scan# 985

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

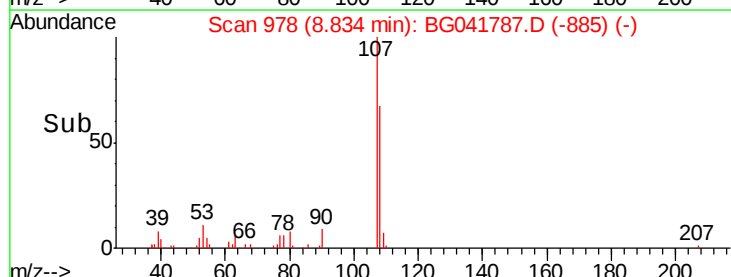
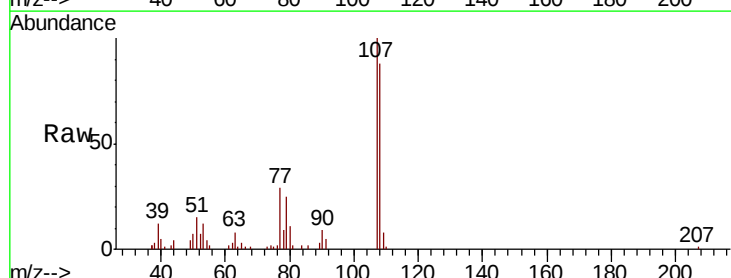
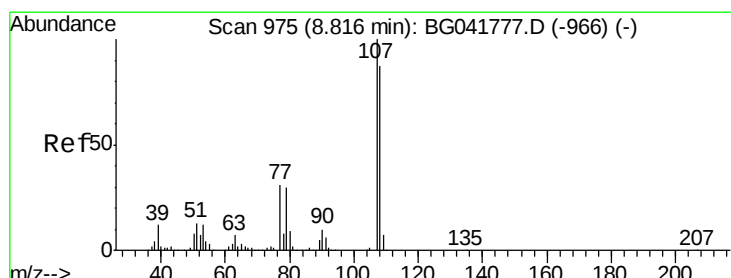
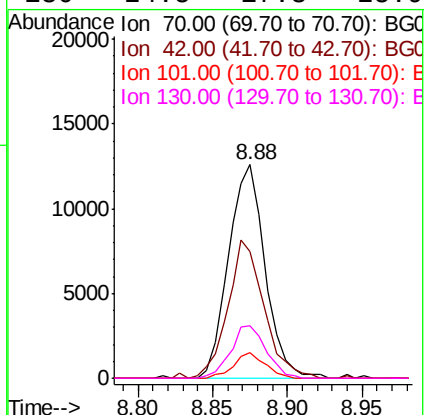
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 70 Resp: 21503

Ion Ratio Lower Upper

70	100		
42	59.2	55.8	83.6
101	12.1	8.1	12.1#
130	24.5	17.3	25.9



#20

3+4-Methylphenols

Concen: 4.779 ng

RT: 8.83 min Scan# 978

Delta R.T. 0.02 min

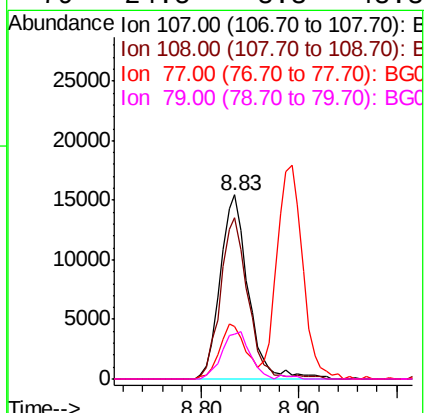
Lab File: BG041787.D

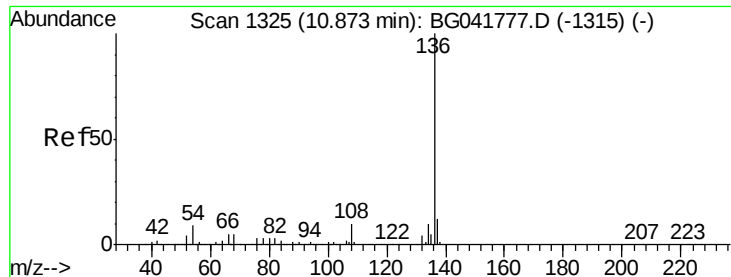
Acq: 29 Jul 2019 13:36

Tgt Ion: 107 Resp: 30694

Ion Ratio Lower Upper

107	100		
108	87.8	67.5	107.5
77	28.5	12.3	52.3
79	24.5	8.3	48.3

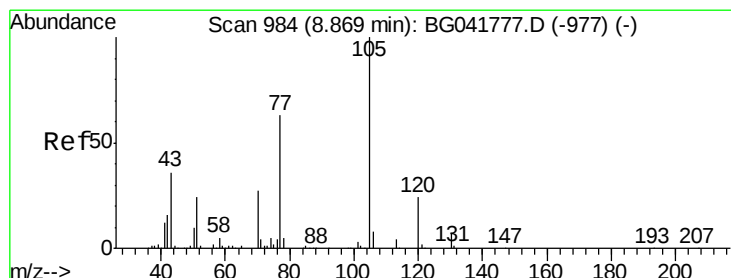
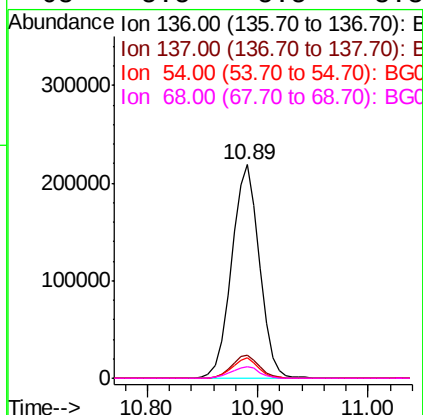
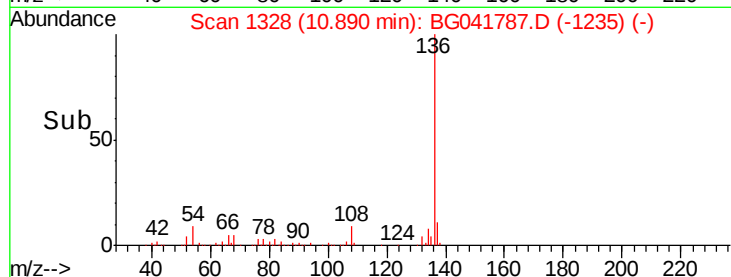
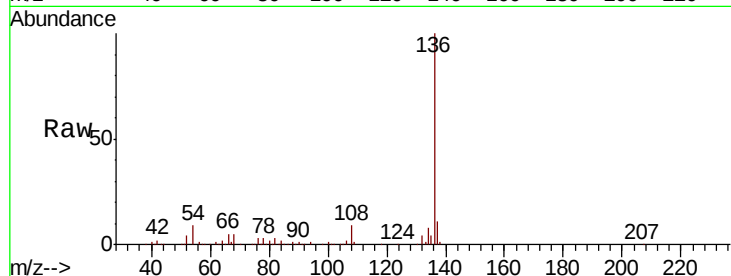




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1328
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

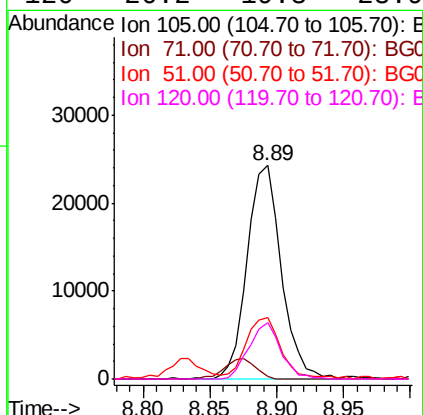
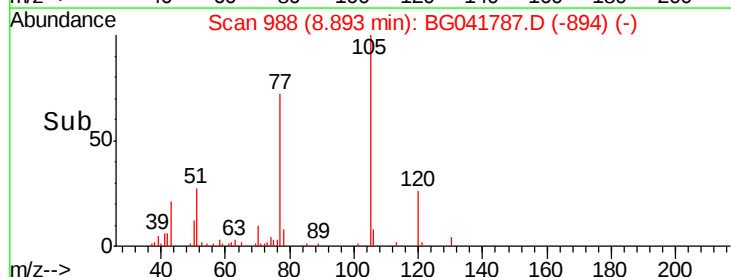
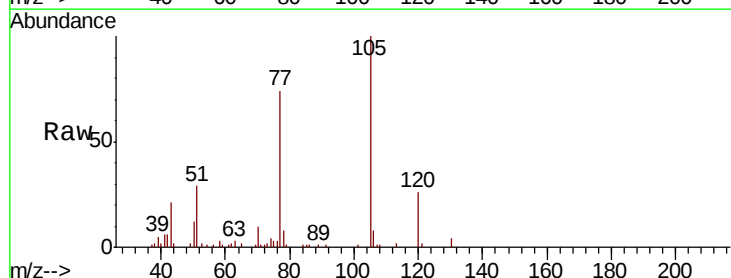
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

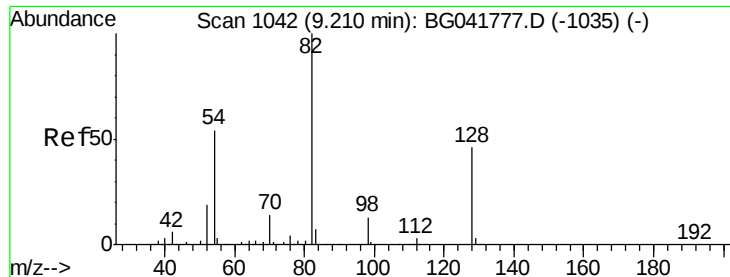
Tot Ion:136	Resp:	385114
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	9.3	8.7 13.1
68	5.5	5.5 8.3#



#22
Acetophenone
Concen: 4.966 ng
RT: 8.89 min Scan# 988
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:105	Resp:	42776
Ion Ratio	Lower	Upper
105	100	
71	1.3	5.9 8.9#
51	28.5	27.7 41.5
120	26.2	19.3 28.9

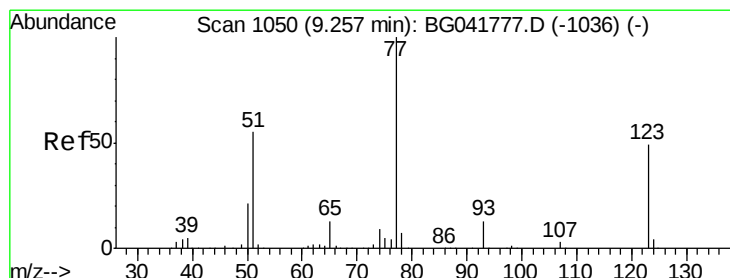
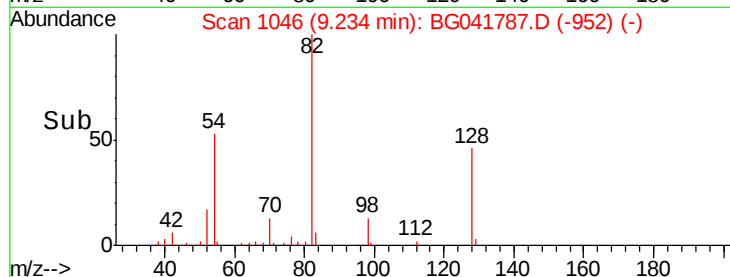
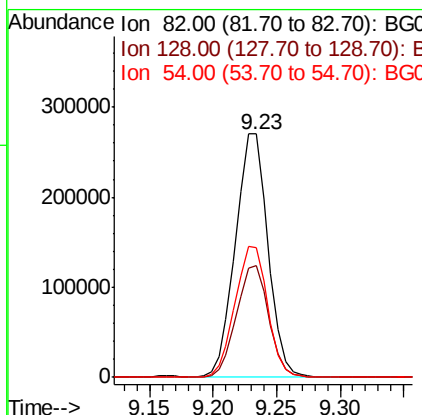
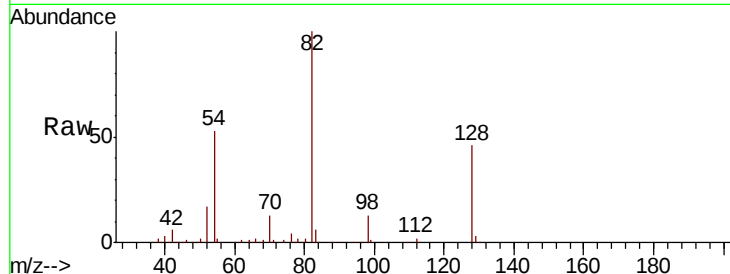




#23
 Nitrobenzene-d5
 Concen: 85.777 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

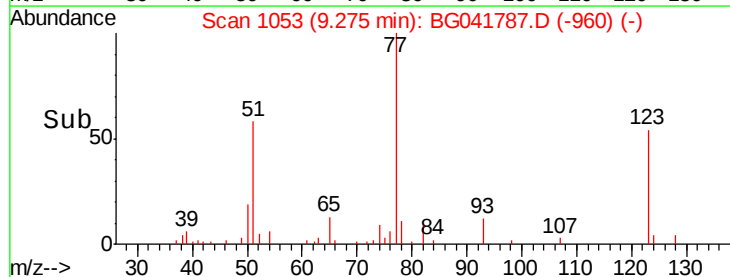
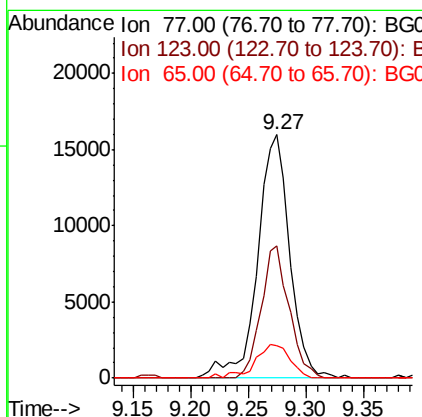
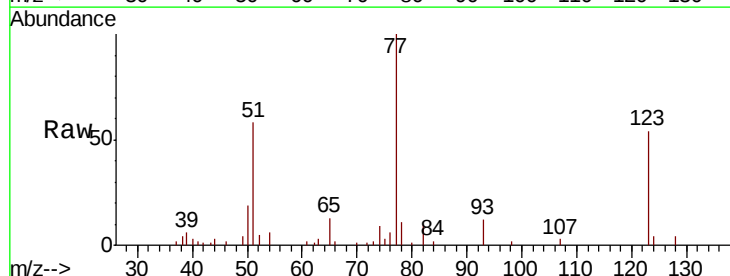
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

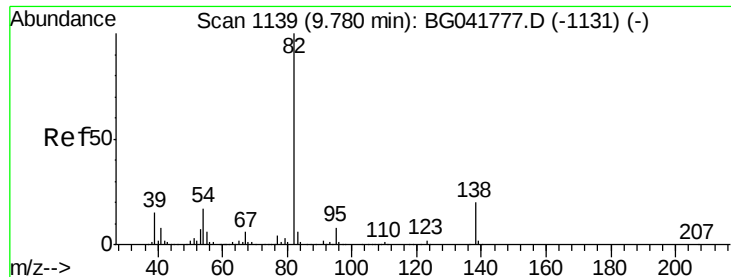
Tot Ion	82	Resp	480030
Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	53.2	48.7	73.1



#24
 Nitrobenzene
 Concen: 5.254 ng
 RT: 9.27 min Scan# 1053
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	77	Resp	30975
Ion	Ratio	Lower	Upper
77	100		
123	54.4	38.1	57.1
65	13.2	11.0	16.6





#25

Isophorone

Concen: 4.938 ng

RT: 9.80 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

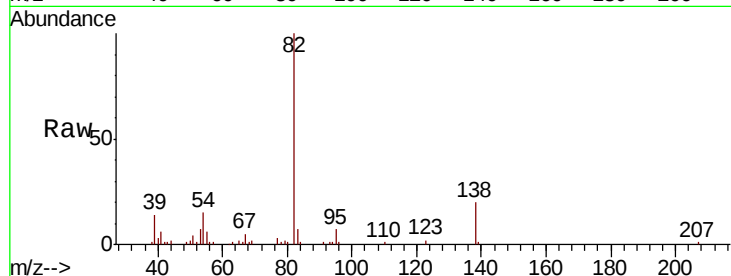
Tot Ion: 82 Resp: 60120

Ion Ratio Lower Upper

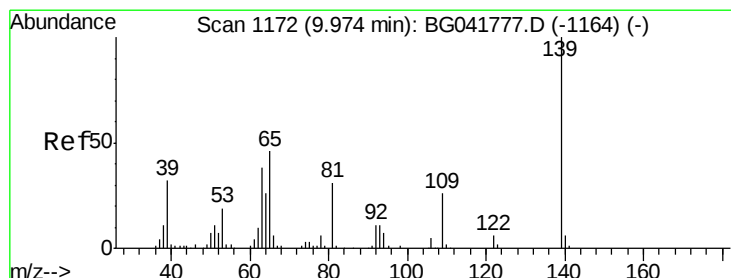
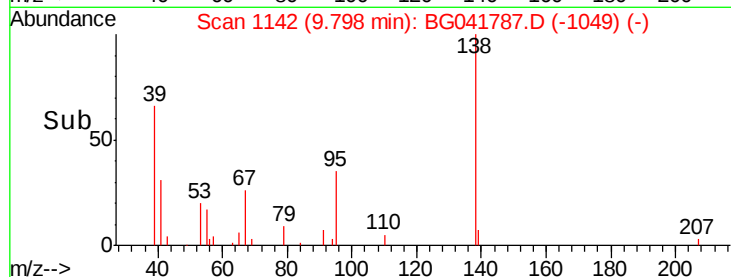
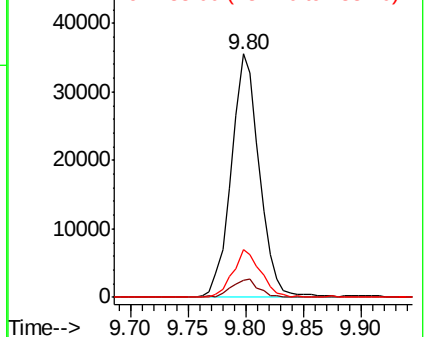
82 100

95 6.8 5.9 8.9

138 19.6 16.3 24.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 4.809 ng

RT: 9.99 min Scan# 1175

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

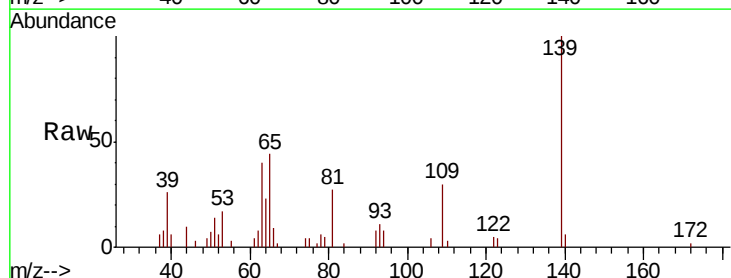
Tgt Ion: 139 Resp: 13158

Ion Ratio Lower Upper

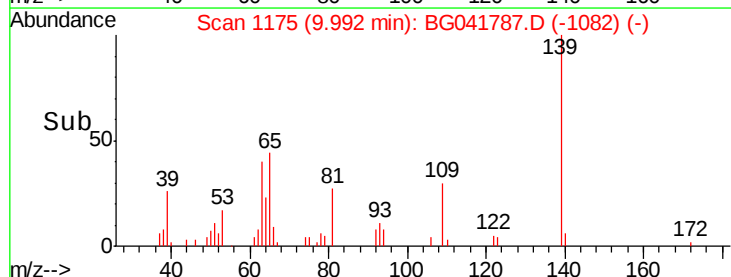
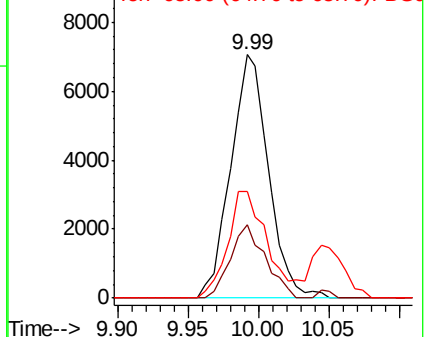
139 100

109 30.3 22.7 34.1

65 43.9 41.1 61.7



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

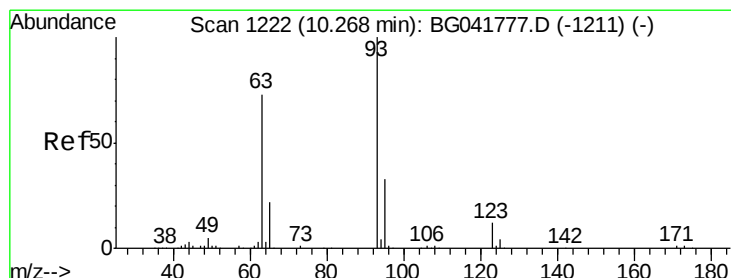
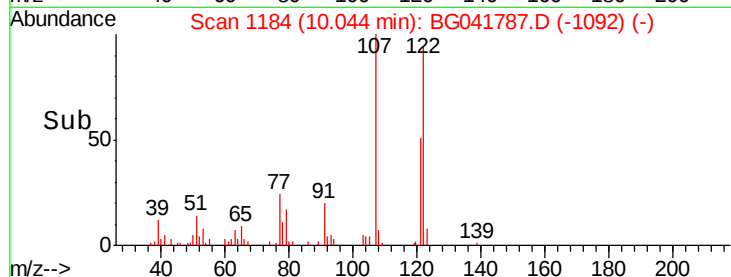
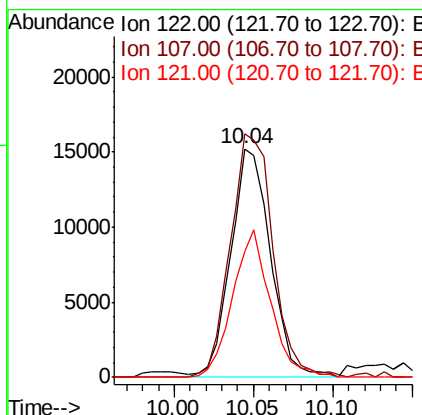
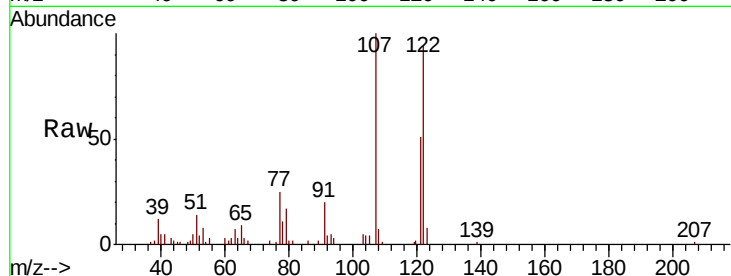




#27
2,4-Dimethylphenol
Concen: 5.482 ng
RT: 10.04 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

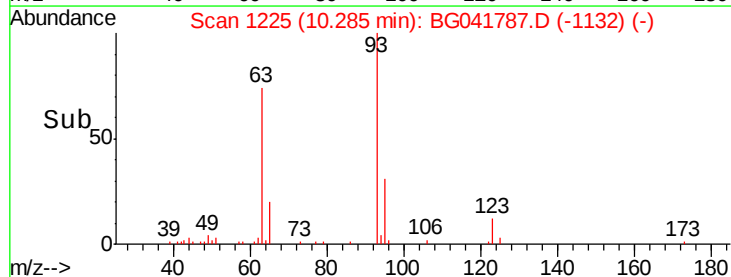
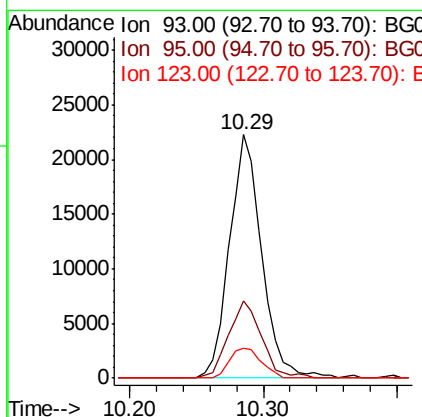
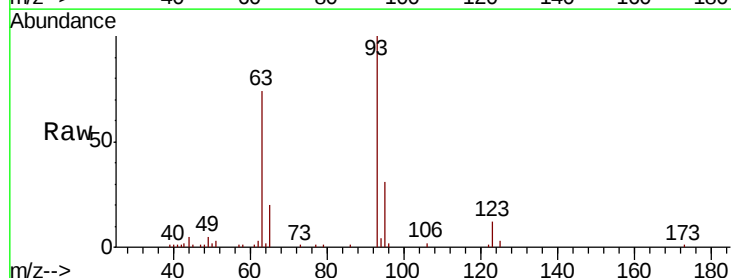
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

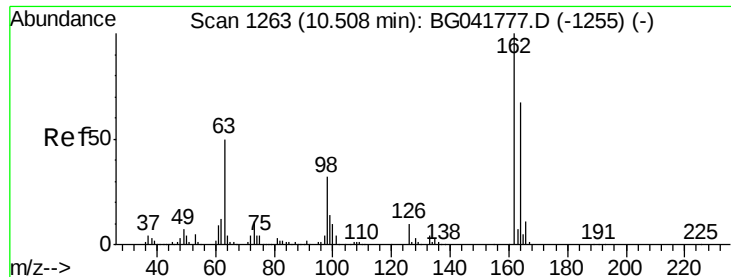
Tot Ion:122 Resp: 26475
Ion Ratio Lower Upper
122 100
107 106.5 91.3 136.9
121 54.9 49.2 73.8



#28
bis(2-Chloroethoxy)methane
Concen: 4.908 ng
RT: 10.29 min Scan# 1225
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion: 93 Resp: 37335
Ion Ratio Lower Upper
93 100
95 31.5 26.2 39.4
123 12.1 9.9 14.9

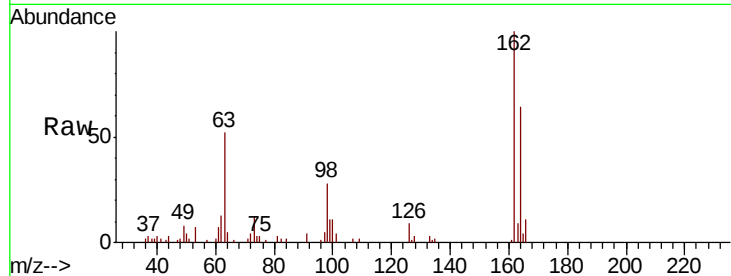




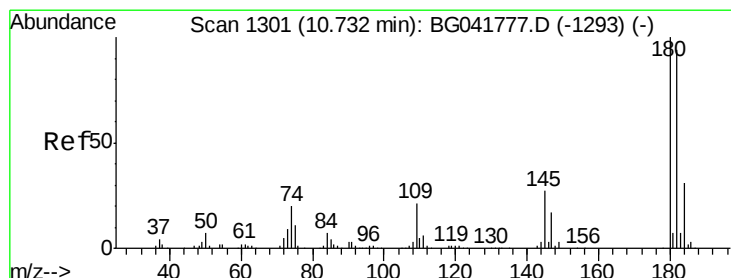
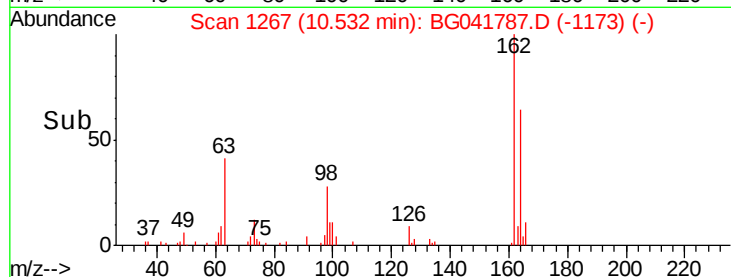
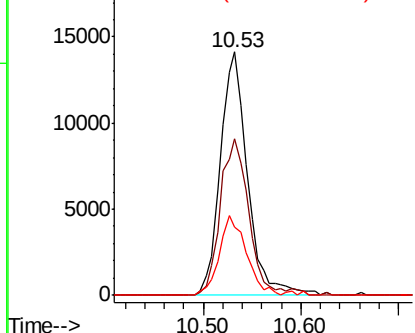
#29
2,4-Dichlorophenol
Concen: 4.655 ng
RT: 10.53 min Scan# 1267
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:162 Resp: 27378
Ion Ratio Lower Upper
162 100
164 64.4 46.1 86.1
98 28.1 14.7 54.7

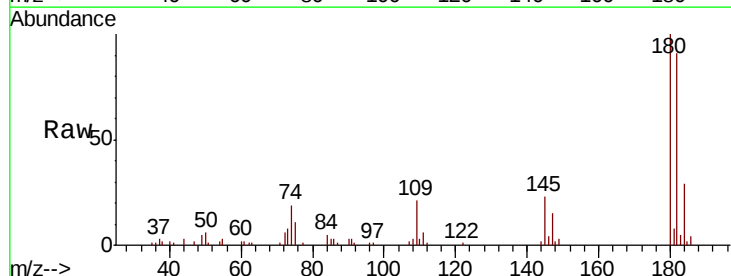


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

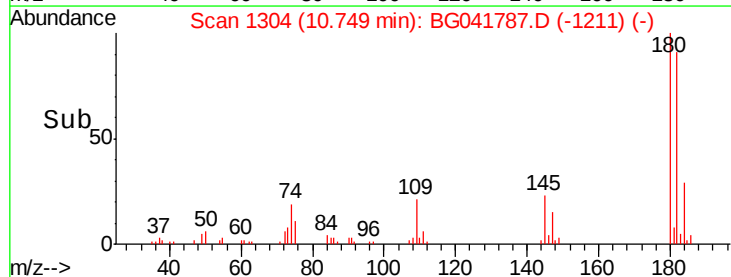
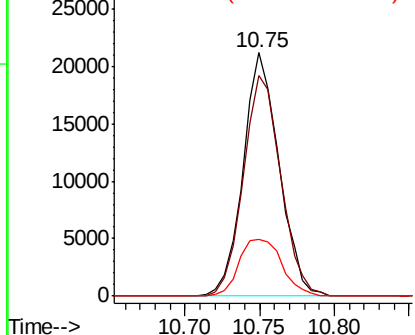


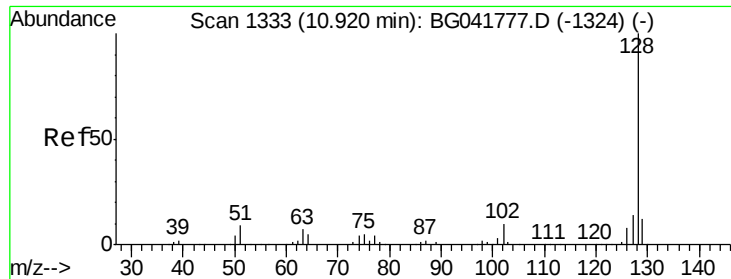
#30
1,2,4-Trichlorobenzene
Concen: 4.710 ng
RT: 10.75 min Scan# 1304
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:180 Resp: 35126
Ion Ratio Lower Upper
180 100
182 90.6 76.2 114.2
145 23.1 23.8 35.8#



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

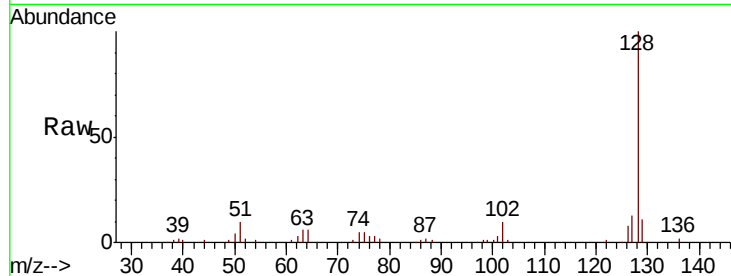




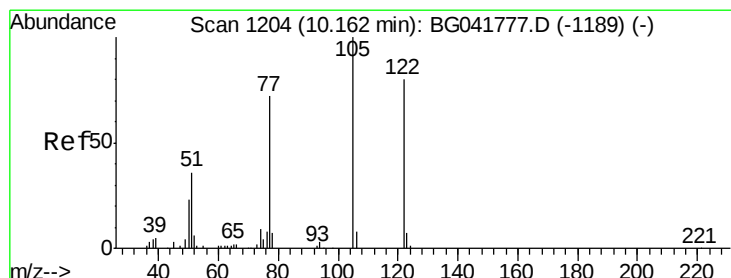
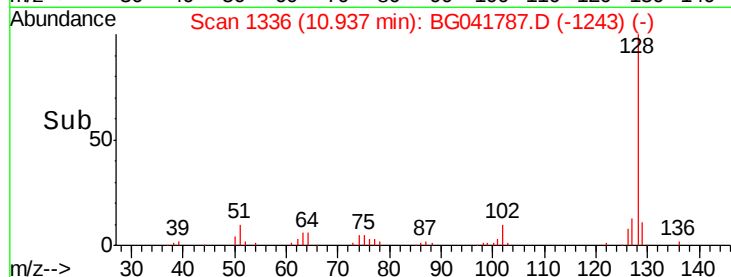
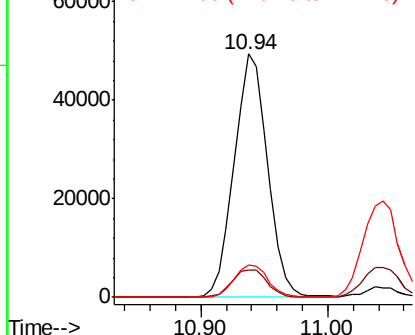
#31
Naphthalene
Concen: 5.120 ng
RT: 10.94 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:128 Resp: 90236
Ion Ratio Lower Upper
128 100
129 11.0 10.0 15.0
127 13.2 12.3 18.5

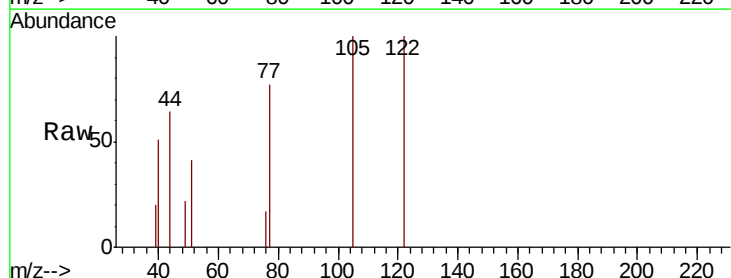


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

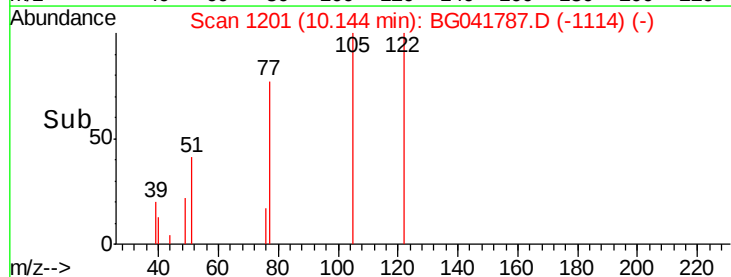
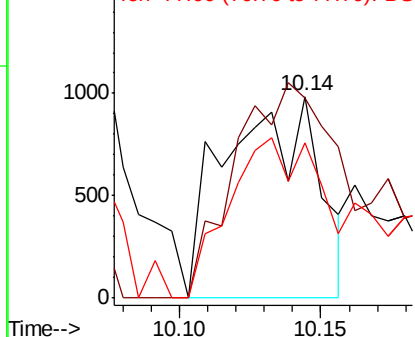


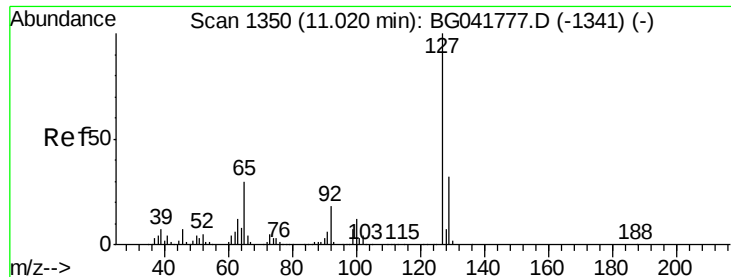
#32
Benzoic acid
Concen: 9.259 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:122 Resp: 2238
Ion Ratio Lower Upper
122 100
105 99.7 101.5 141.5#
77 77.3 73.0 113.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

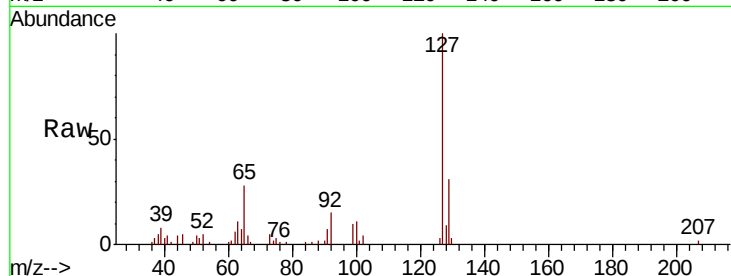




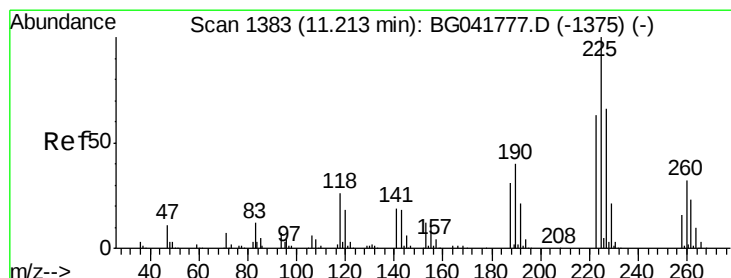
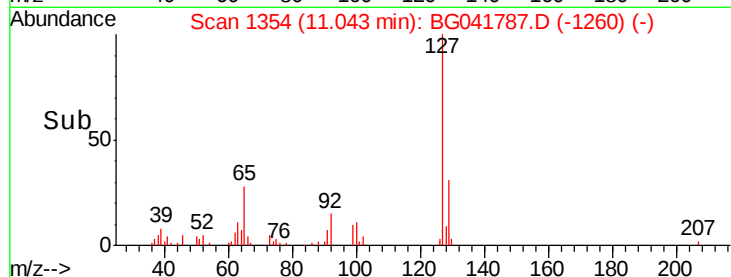
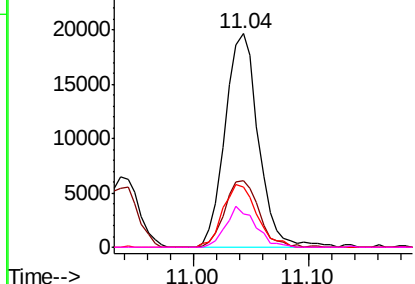
#33
4-Chloroaniline
Concen: 4.725 ng
RT: 11.04 min Scan# 1354
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:127	Resp:	39493	
Ion Ratio	Lower	Upper	
127 100			
129 31.4	25.8	38.8	
65 28.2	26.7	40.1	
92 15.4	15.4	23.0	

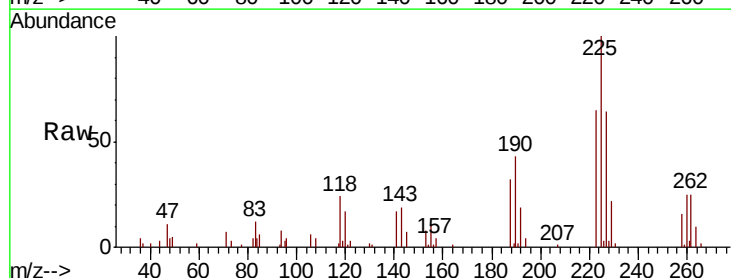


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGO
Ion 92.00 (91.70 to 92.70): BGO

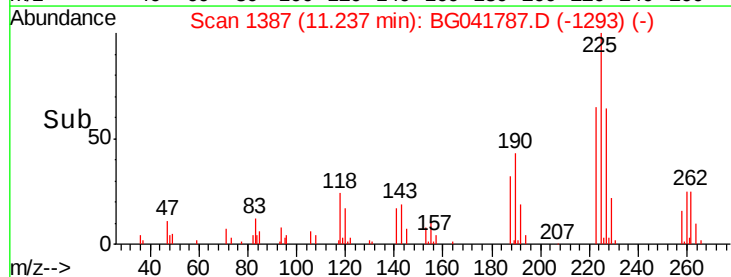
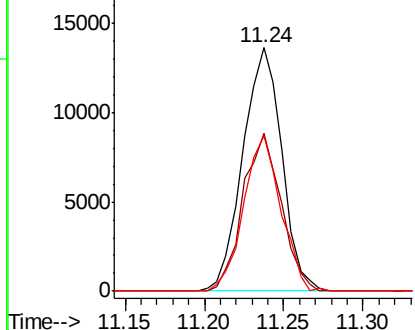


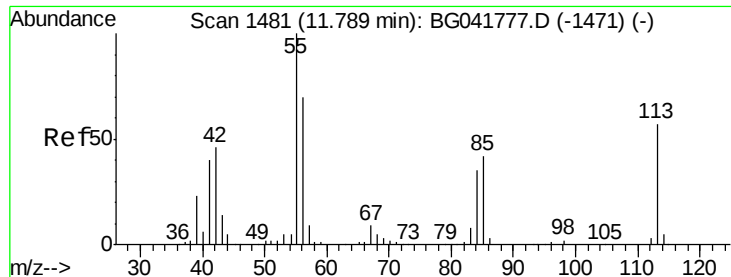
#34
Hexachlorobutadiene
Concen: 4.629 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.02 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	225	Resp: Lower	23298 Upper
	Ratio		
225	100		
223	65.0	51.1	76.7
227	63.6	50.9	76.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

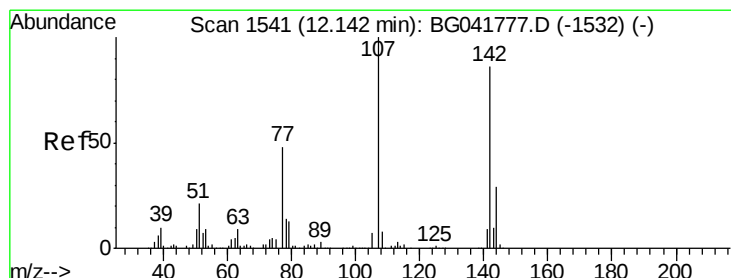
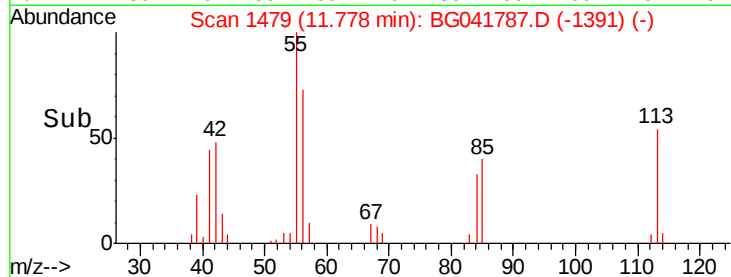
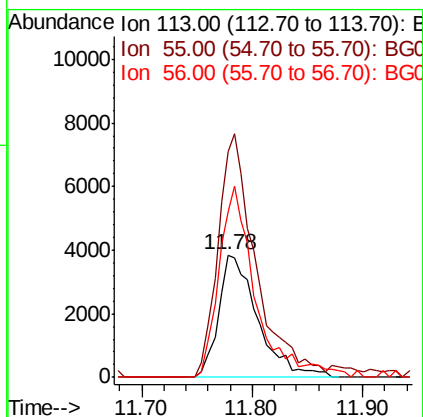
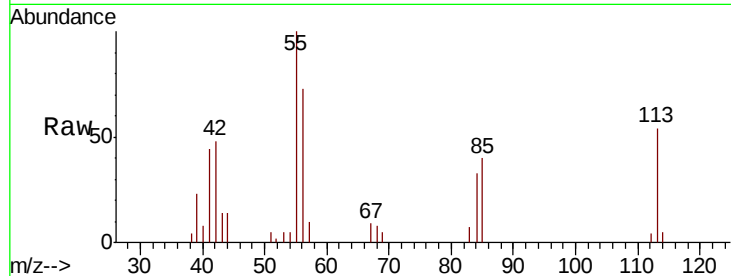




#35
 Caprolactam
 Concen: 4.656 ng
 RT: 11.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

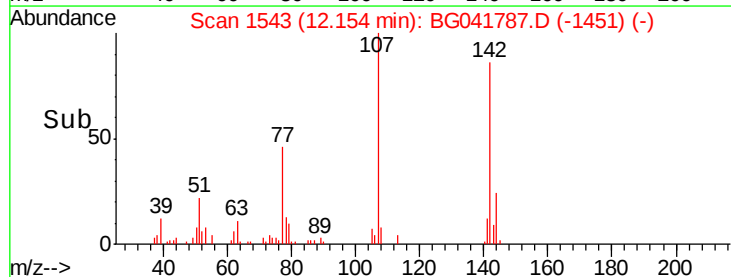
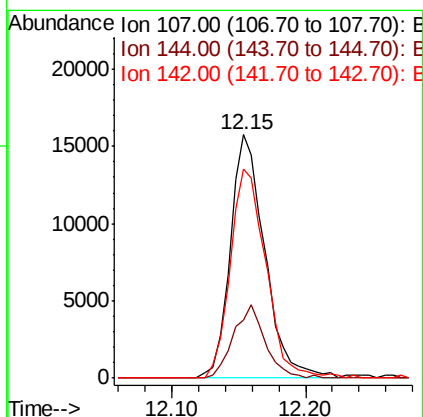
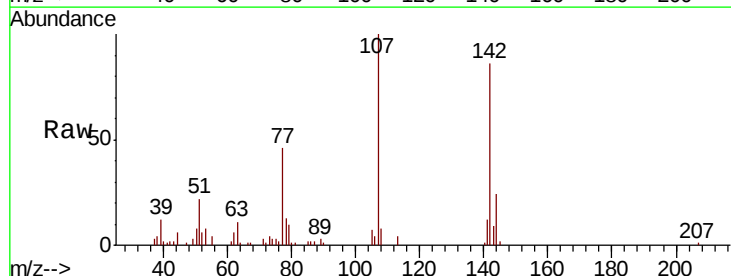
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

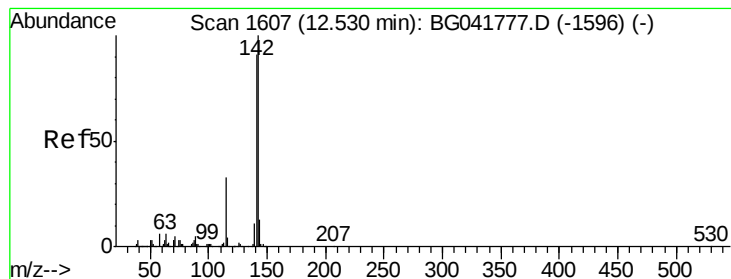
Tot Ion:113 Resp: 9517
 Ion Ratio Lower Upper
 113 100
 55 184.1 199.4 239.4#
 56 135.2 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 4.848 ng
 RT: 12.15 min Scan# 1543
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion:107 Resp: 28264
 Ion Ratio Lower Upper
 107 100
 144 23.7 22.2 33.2
 142 85.7 67.3 100.9





#37

2-Methylnaphthalene

Concen: 5.237 ng

RT: 12.55 min Scan# 1610

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

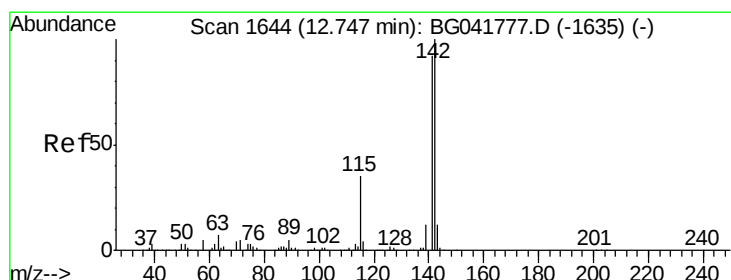
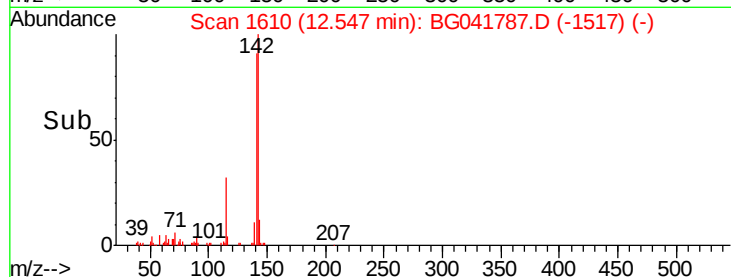
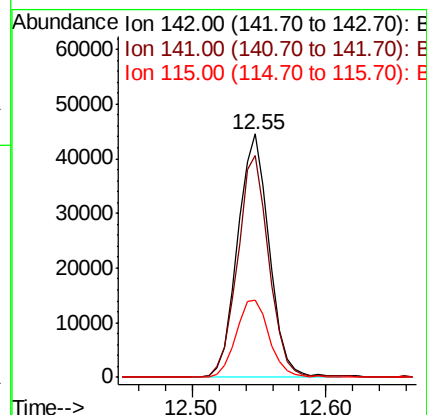
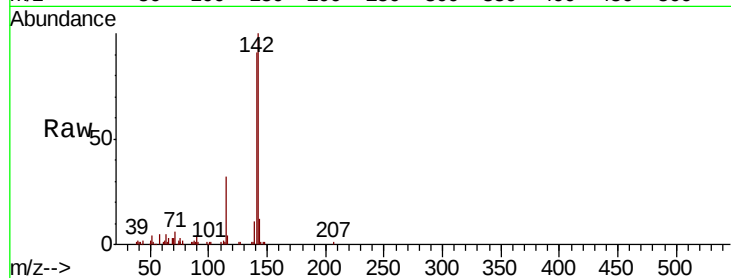
Tot Ion:142 Resp: 73061

Ion Ratio Lower Upper

142 100

141 90.9 72.7 109.1

115 31.6 27.0 40.4



#38

1-Methylnaphthalene

Concen: 5.284 ng

RT: 12.76 min Scan# 1647

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

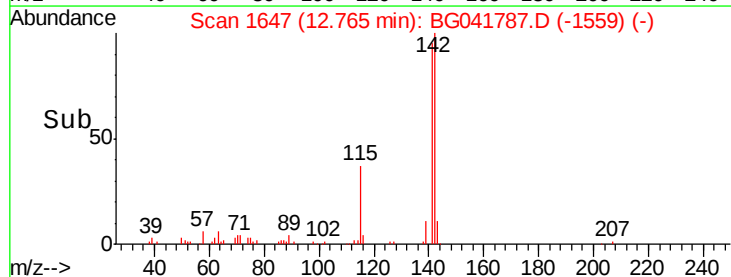
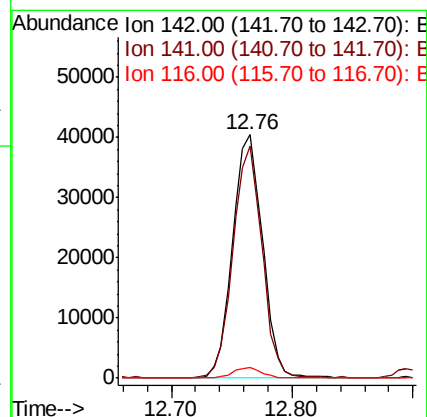
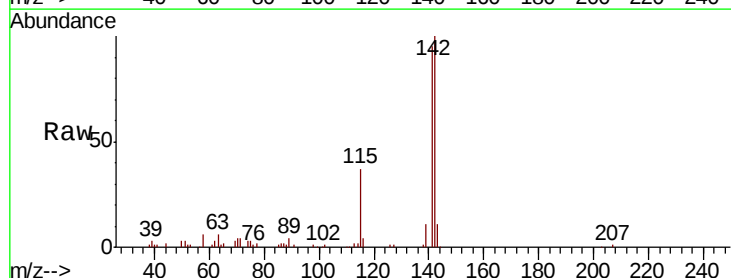
Tgt Ion:142 Resp: 69859

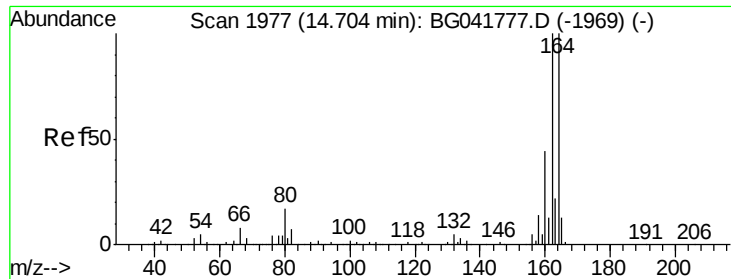
Ion Ratio Lower Upper

142 100

141 95.4 75.4 113.2

116 4.2 3.2 4.8

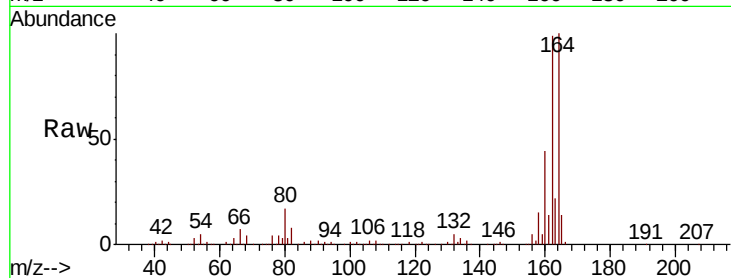




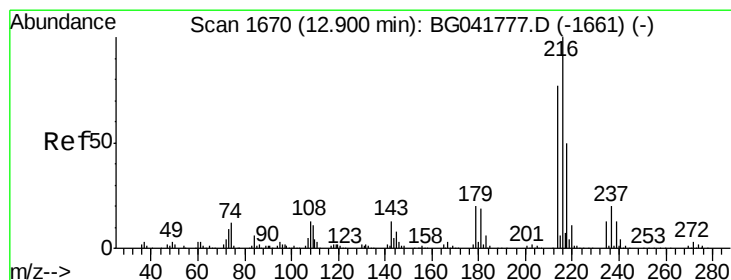
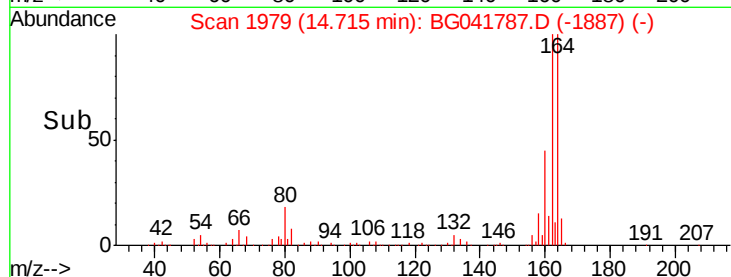
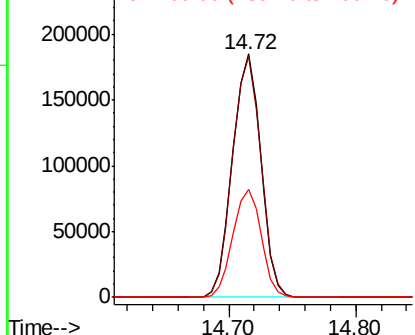
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

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

Tot Ion:164 Resp: 285710
 Ion Ratio Lower Upper
 164 100
 162 98.9 79.6 119.4
 160 44.1 35.4 53.0

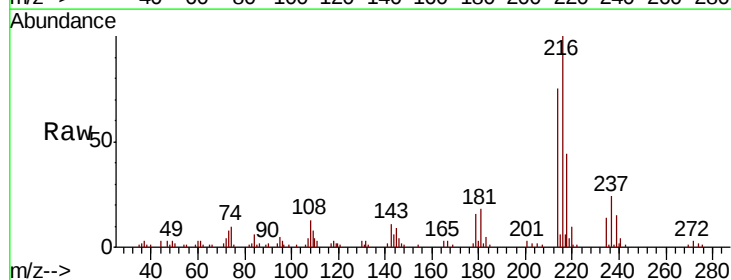


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

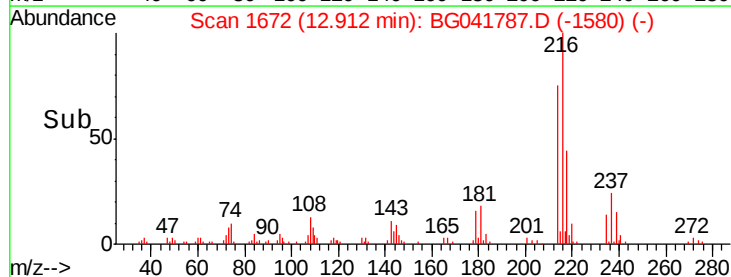
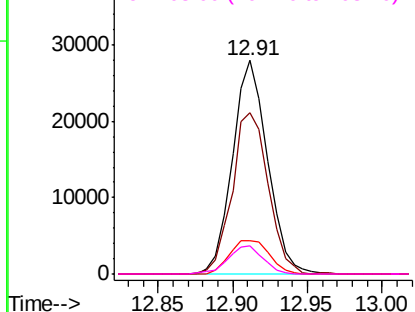


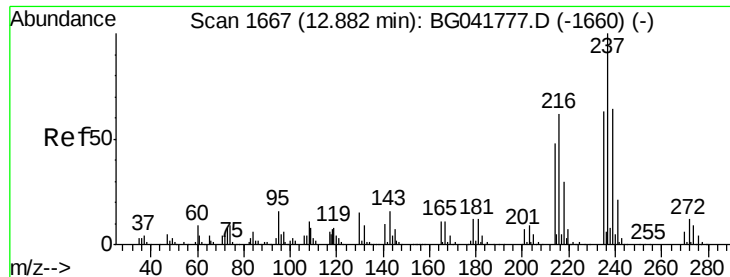
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.042 ng
 RT: 12.91 min Scan# 1672
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion:216 Resp: 45601
 Ion Ratio Lower Upper
 216 100
 214 78.0 61.5 92.3
 179 18.1 16.2 24.2
 108 13.4 13.2 19.8



Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 4.446 ng

RT: 12.90 min Scan# 1670

Delta R.T. 0.02 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

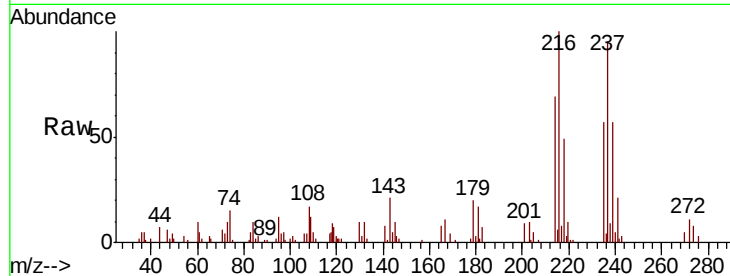
Tot Ion:237 Resp: 22606

Ion Ratio Lower Upper

237 100

235 59.5 43.5 83.5

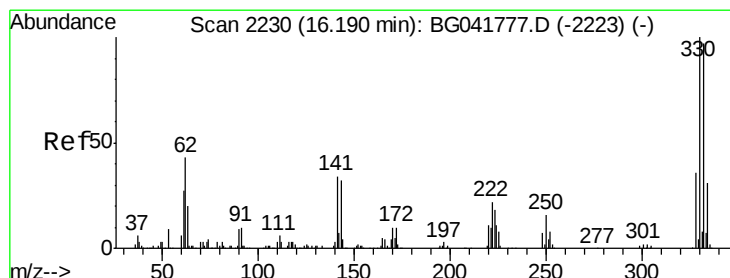
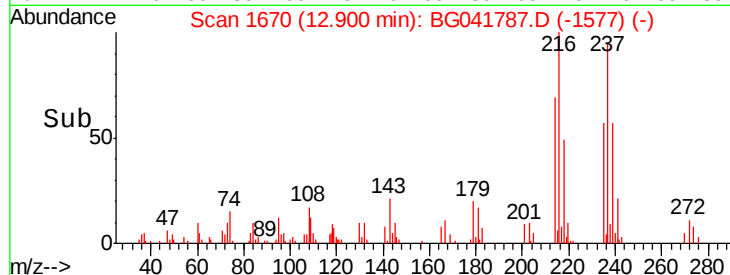
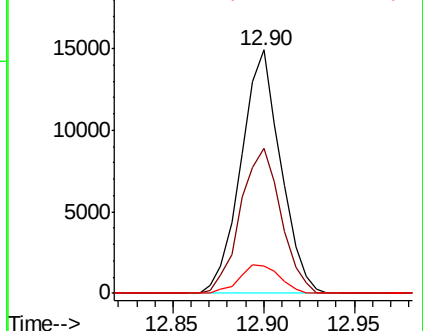
272 11.3 0.0 31.2



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: 130.416 ng

RT: 16.20 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

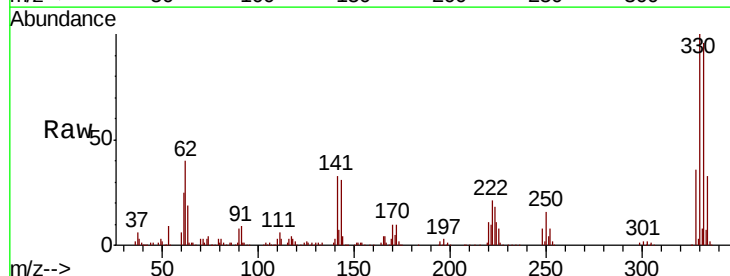
Tgt Ion:330 Resp: 423237

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

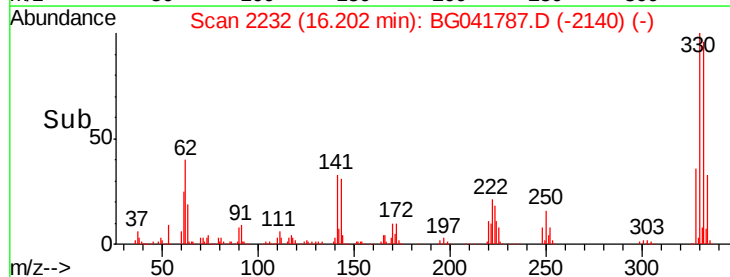
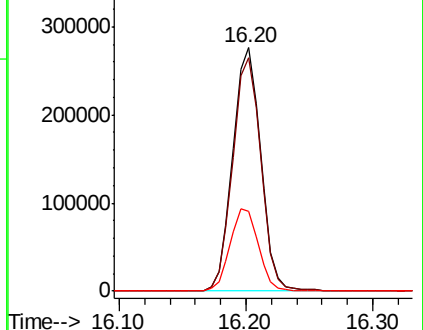
141 34.1 31.9 47.9



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

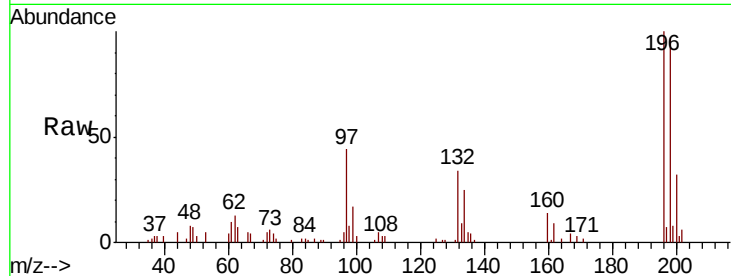




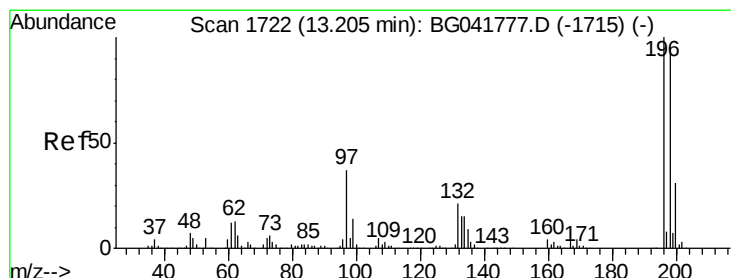
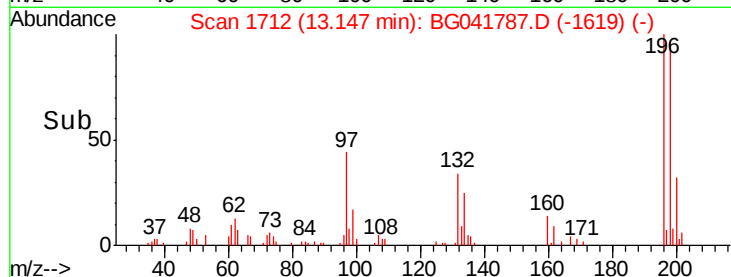
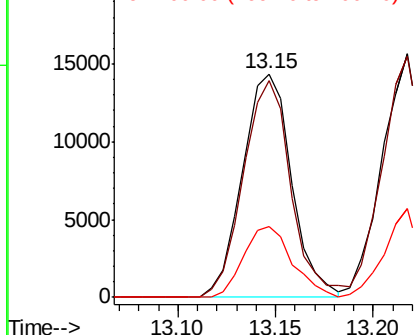
#43
 2,4,6-Trichlorophenol
 Concen: 4.366 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. 0.02 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

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

Tot Ion:196 Resp: 24958
 Ion Ratio Lower Upper
 196 100
 198 97.0 79.6 119.4
 200 32.0 25.2 37.8



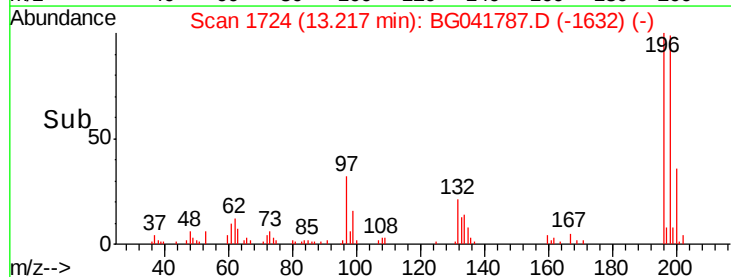
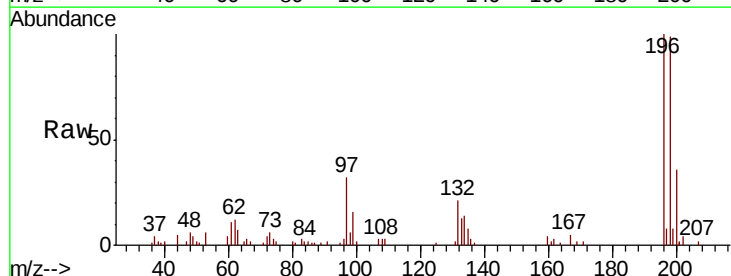
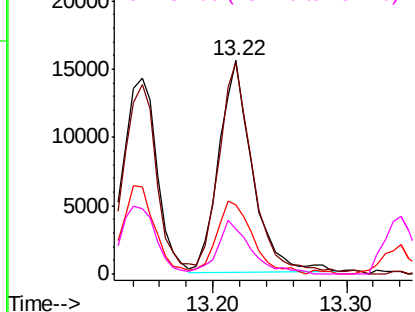
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

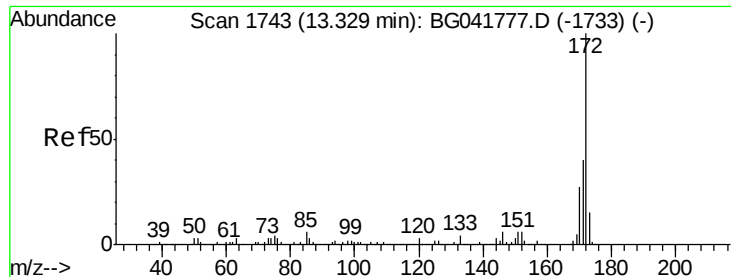


#44
 2,4,5-Trichlorophenol
 Concen: 4.628 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion:196 Resp: 27493
 Ion Ratio Lower Upper
 196 100
 198 99.0 80.6 121.0
 97 32.5 33.9 50.9#
 132 21.3 20.2 30.2

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

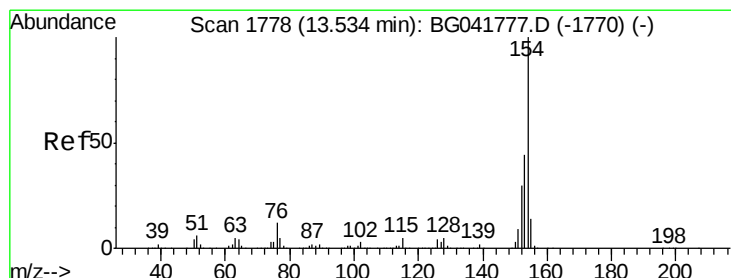
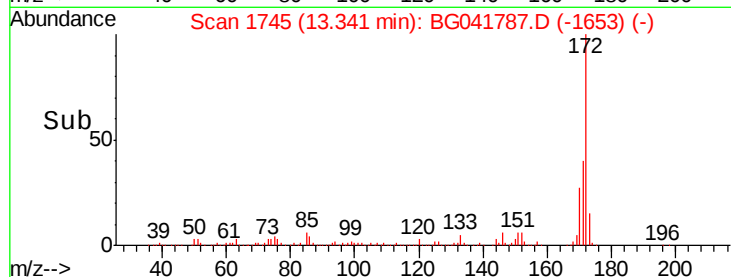
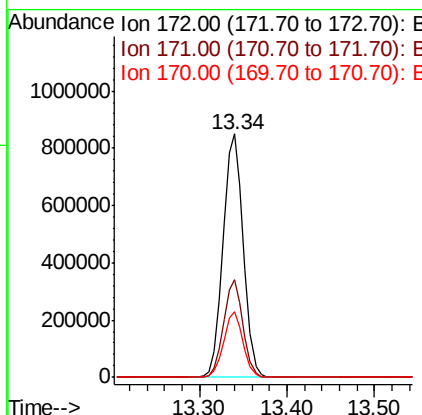
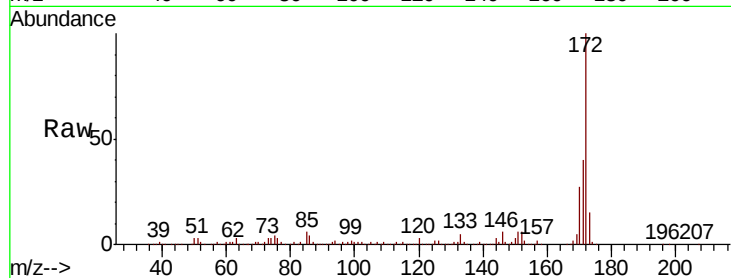




#45
2-Fluorobiphenyl
Concen: 83.213 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

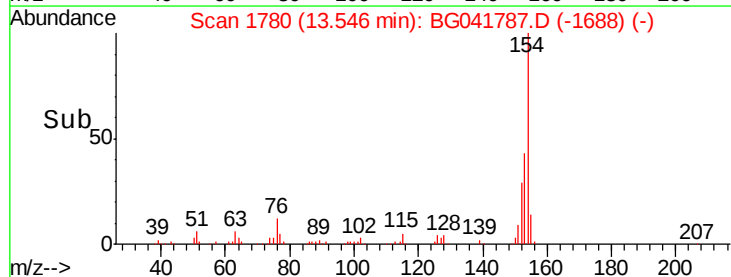
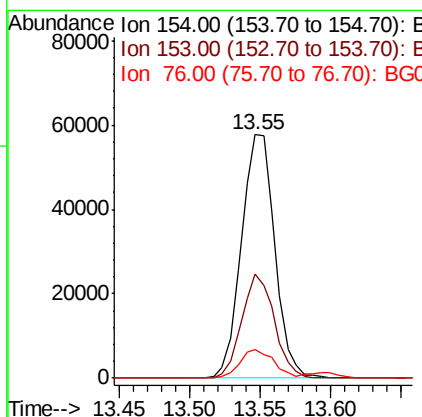
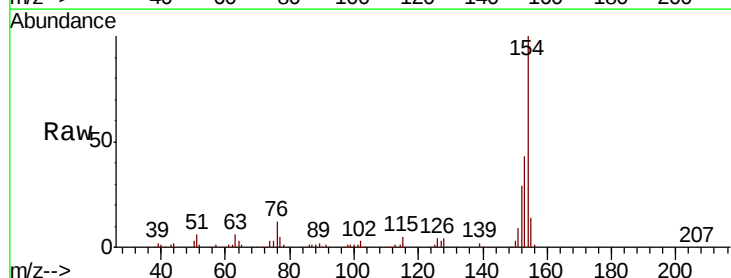
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

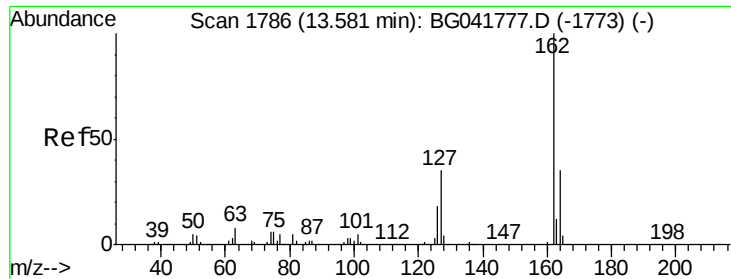
Tot Ion:172 Resp: 1347997
Ion Ratio Lower Upper
172 100
171 40.0 35.0 52.4
170 26.8 23.5 35.3



#46
1,1'-Biphenyl
Concen: 5.190 ng
RT: 13.55 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:154 Resp: 95323
Ion Ratio Lower Upper
154 100
153 42.6 25.0 65.0
76 11.9 0.0 34.5

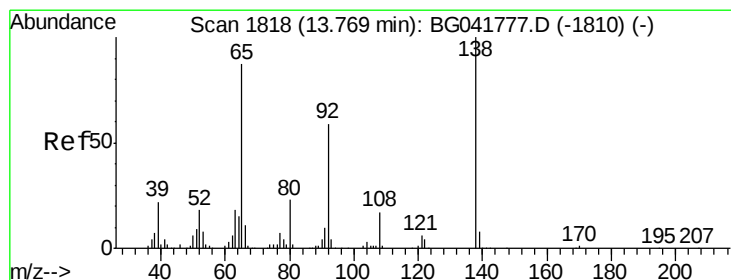
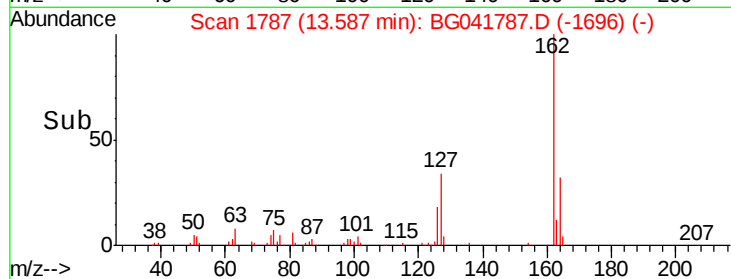
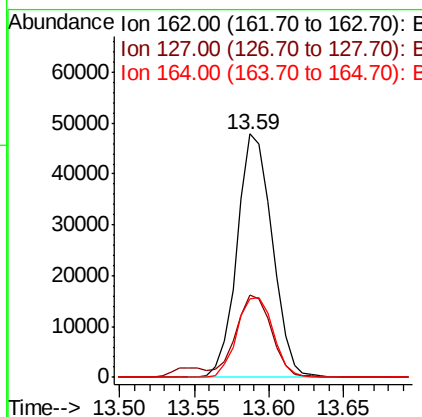
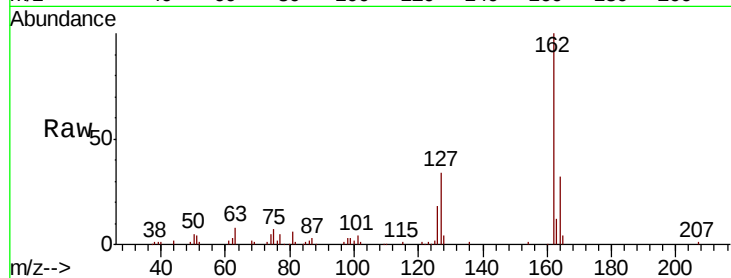




#47
2-Chloronaphthalene
Concen: 5.013 ng
RT: 13.59 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

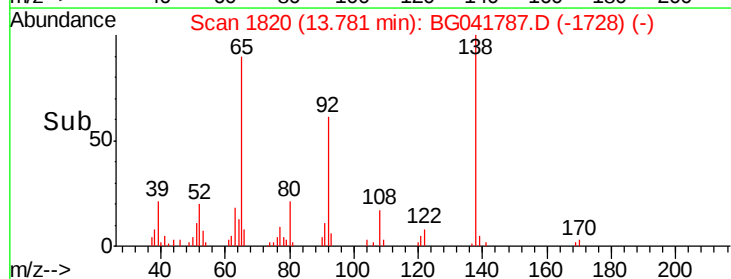
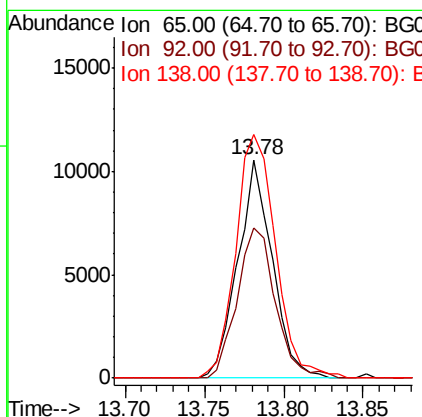
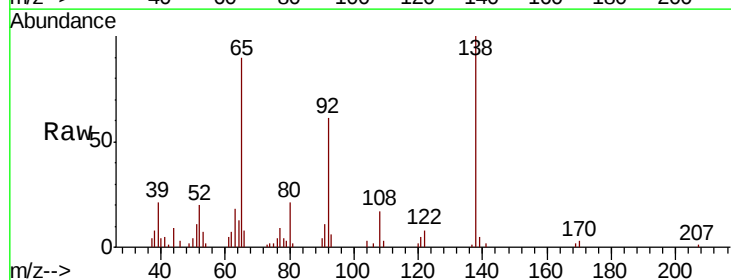
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

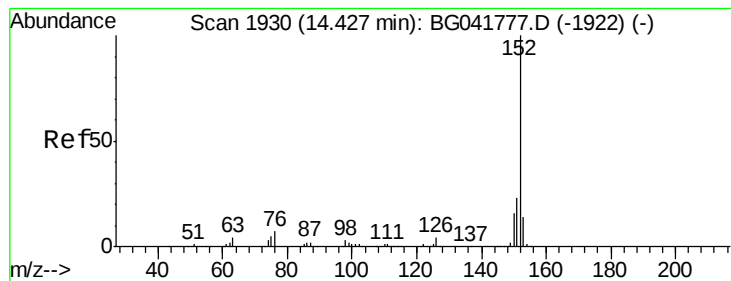
Tot Ion	Ratio	Lower	Upper
162	100		
127	33.7	30.4	45.6
164	32.3	28.6	42.8



#48
2-Nitroaniline
Concen: 4.030 ng
RT: 13.78 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.5	53.9	80.9
138	111.4	83.5	125.3





#49

Acenaphthylene

Concen: 5.383 ng

RT: 14.43 min Scan# 1931

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

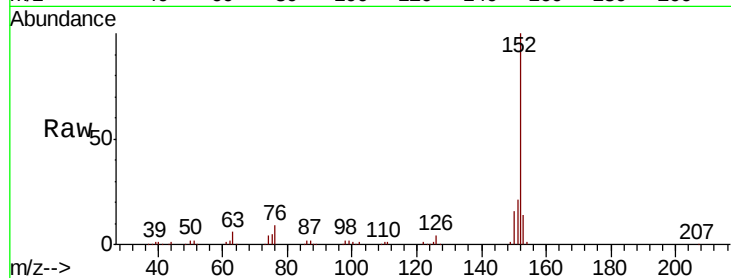
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:152 Resp: 125908

Ion	Ratio	Lower	Upper
152	100		
151	21.4	18.7	28.1
153	14.4	12.4	18.6

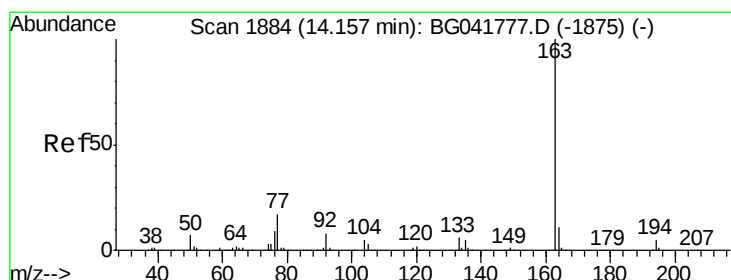
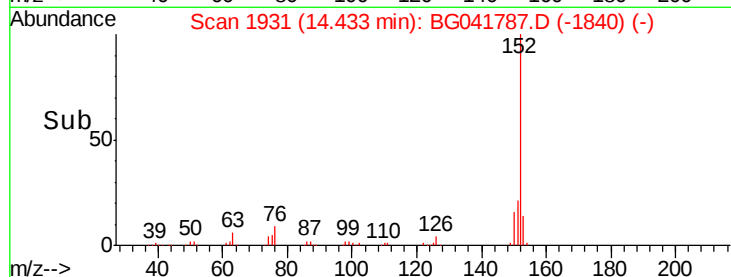
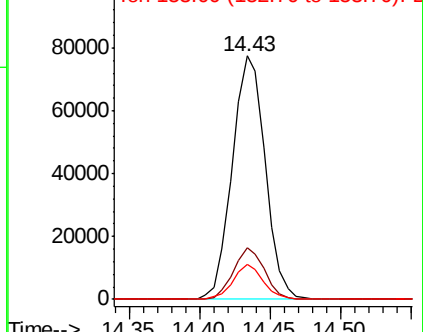


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.263 ng

RT: 14.16 min Scan# 1884

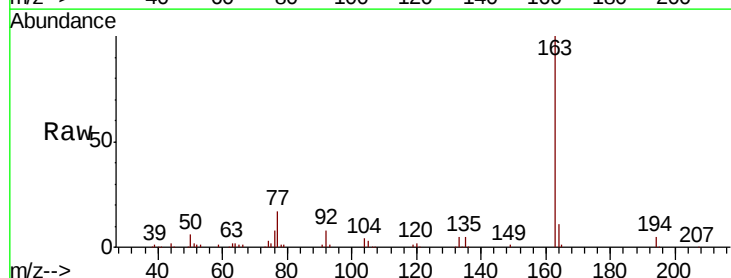
Delta R.T. 0.00 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Tgt Ion:163 Resp: 102695

Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	10.7	9.4	14.2

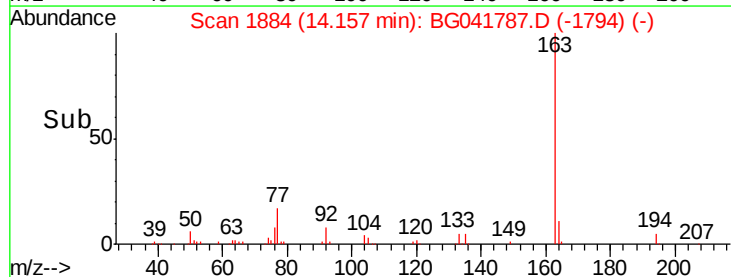
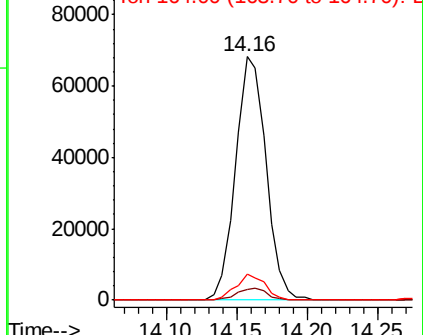


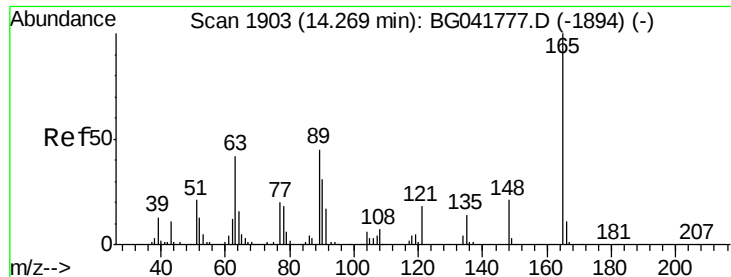
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 5.018 ng

RT: 14.27 min Scan# 1904

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

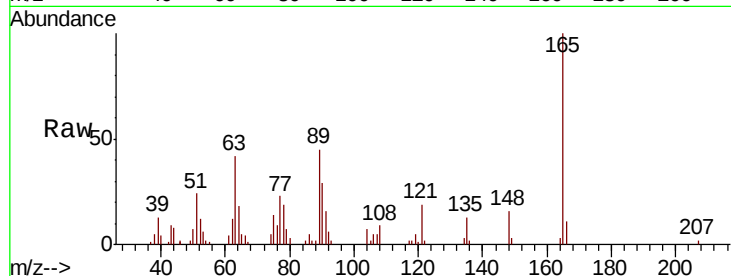
Tot Ion:165 Resp: 20473

Ion Ratio Lower Upper

165 100

63 41.6 42.4 63.6#

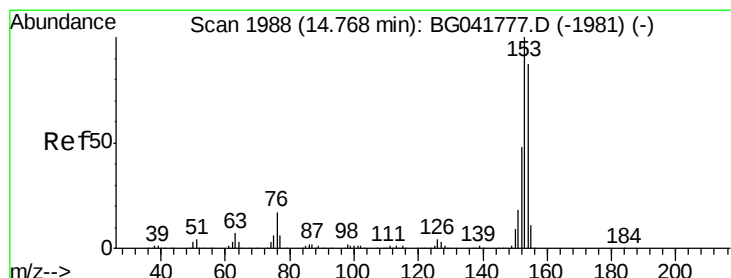
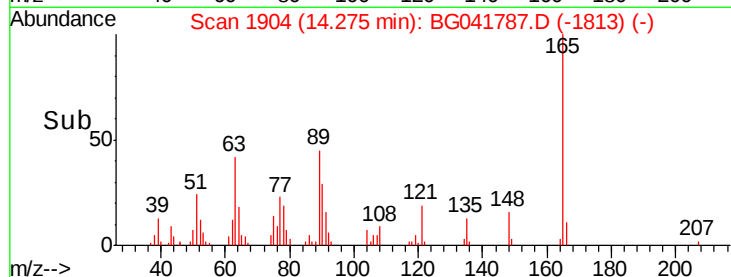
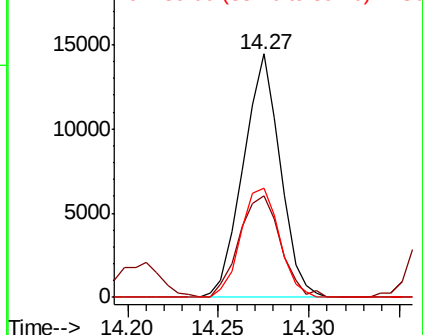
89 45.0 42.1 63.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 4.965 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

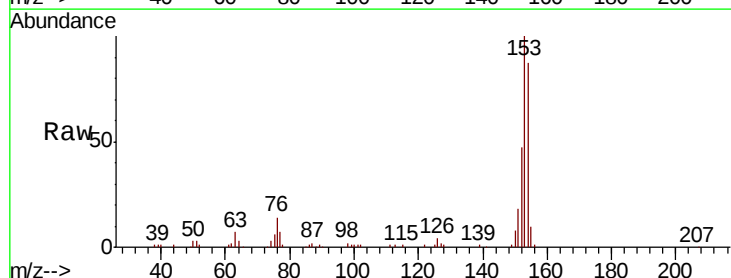
Tgt Ion:154 Resp: 75537

Ion Ratio Lower Upper

154 100

153 115.0 89.8 134.6

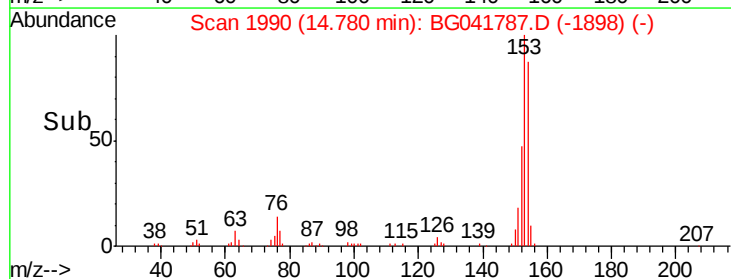
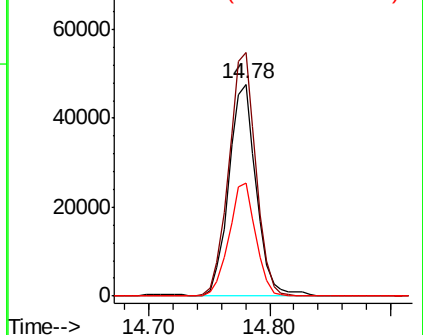
152 53.5 44.9 67.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

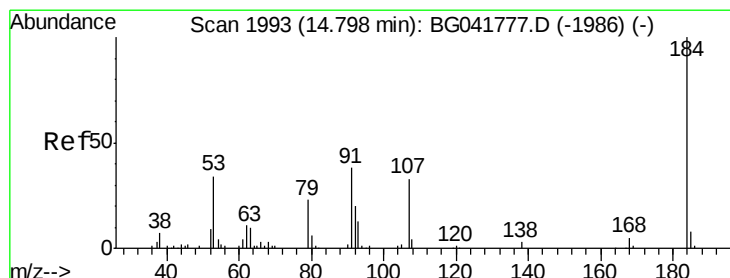
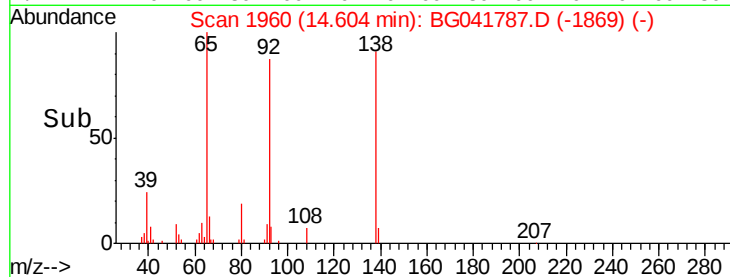
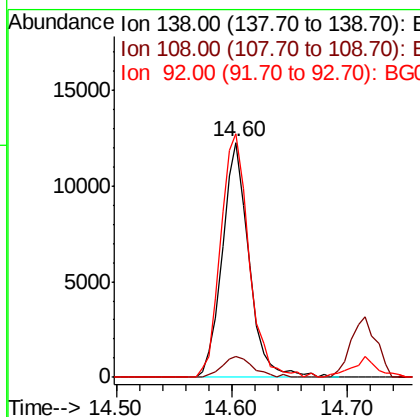
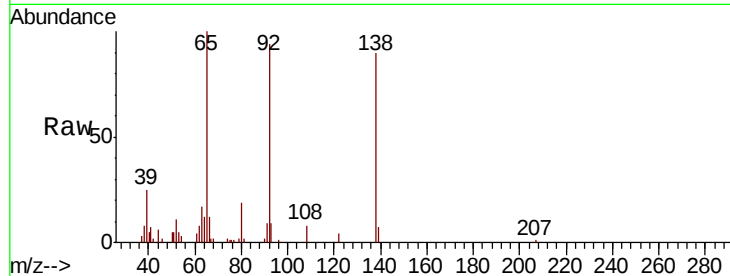




#53
3-Nitroaniline
Concen: 4.493 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

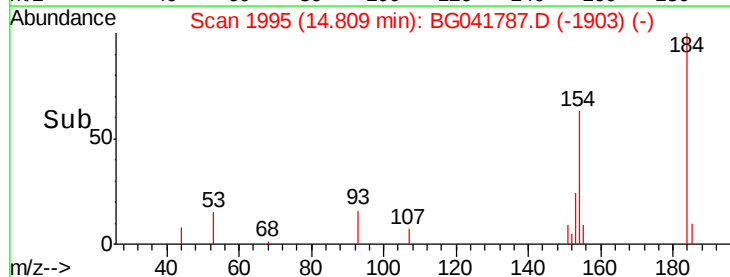
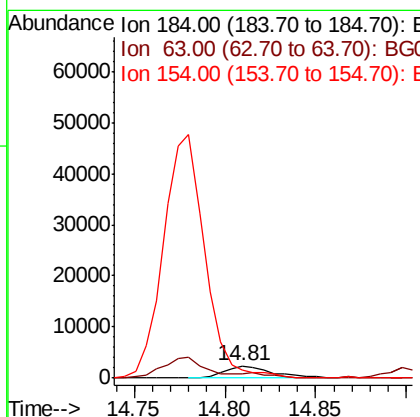
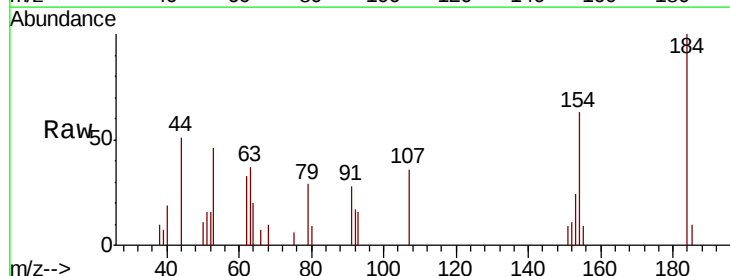
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

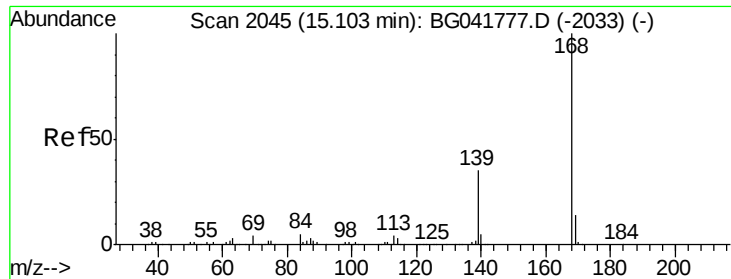
Tot Ion:138 Resp: 19610
Ion Ratio Lower Upper
138 100
108 8.7 10.3 15.5#
92 103.7 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 5.627 ng
RT: 14.81 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:184 Resp: 4227
Ion Ratio Lower Upper
184 100
63 37.0 43.2 64.8#
154 63.4 51.4 77.2





#55

Dibenzenofuran

Concen: 5.606 ng

RT: 15.11 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

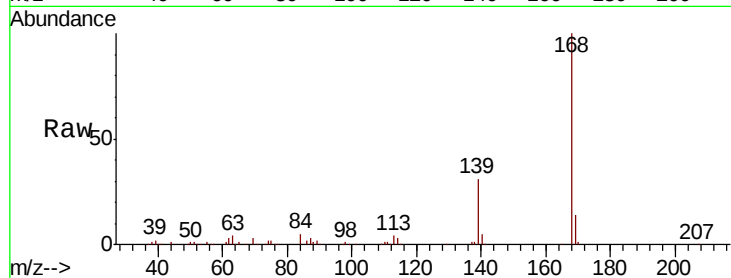
Tot Ion:168 Resp: 130452

Ion Ratio Lower Upper

168 100

139 30.8 31.9 47.9#

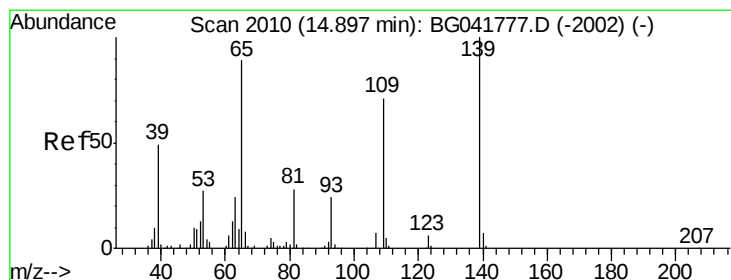
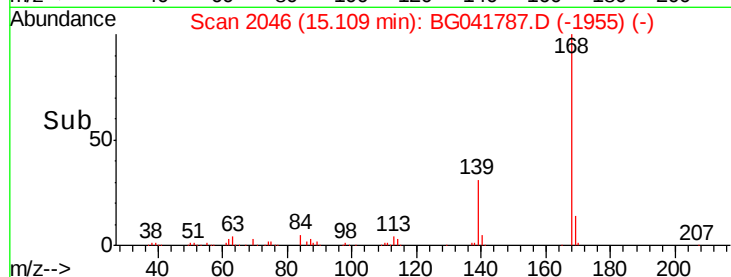
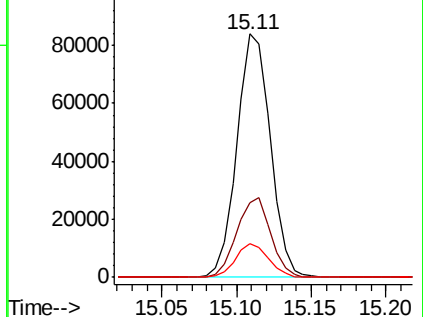
169 13.6 12.5 18.7



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: 3.877 ng

RT: 14.90 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

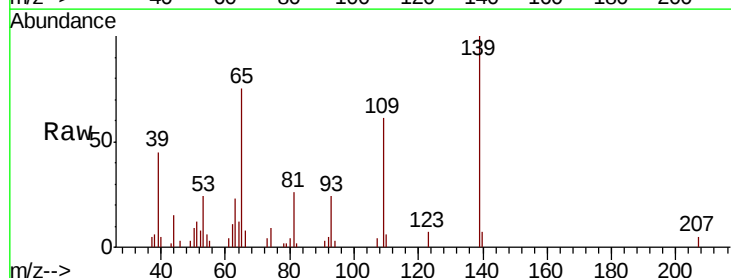
Tgt Ion:139 Resp: 12845

Ion Ratio Lower Upper

139 100

109 61.5 51.3 91.3

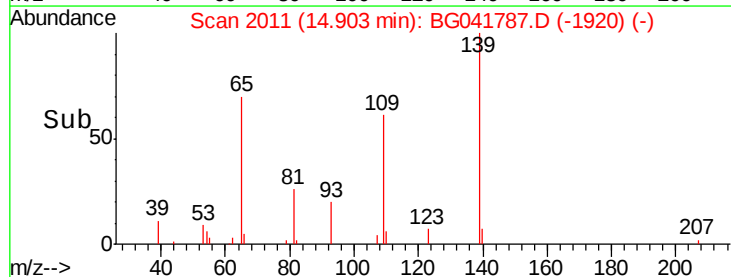
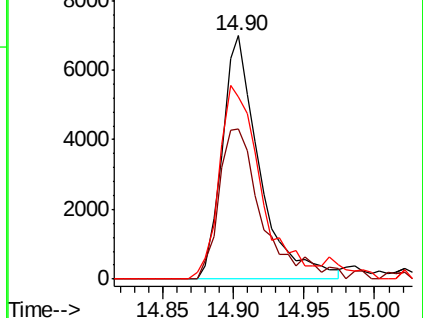
65 75.1 77.6 117.6#

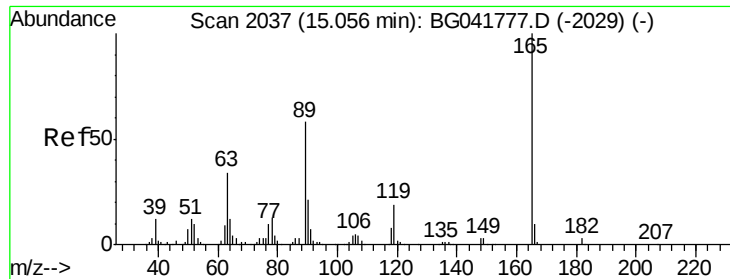


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

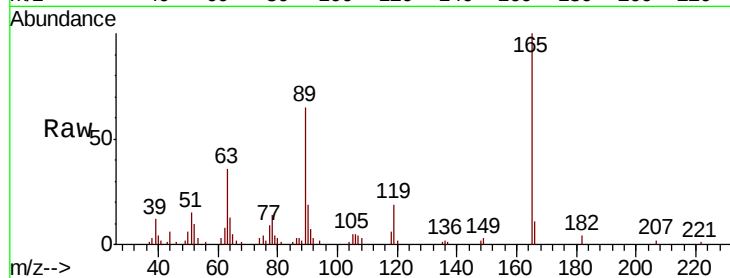




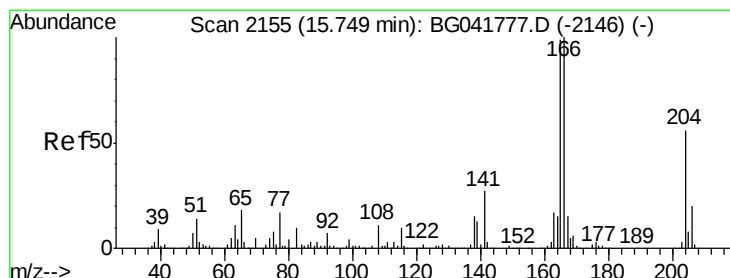
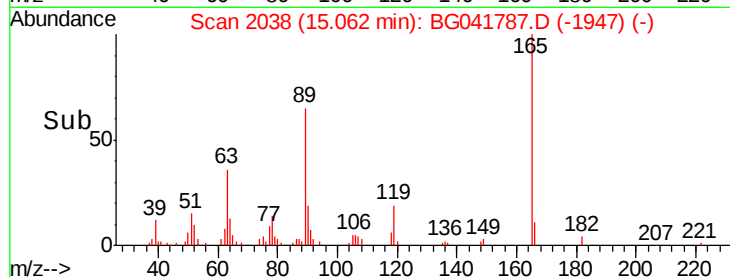
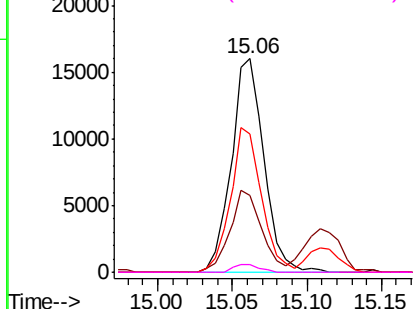
#57
2,4-Dinitrotoluene
Concen: 4.346 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:165 Resp: 24388
Ion Ratio Lower Upper
165 100
63 36.0 31.7 47.5
89 64.8 50.2 75.4
182 3.8 2.6 4.0

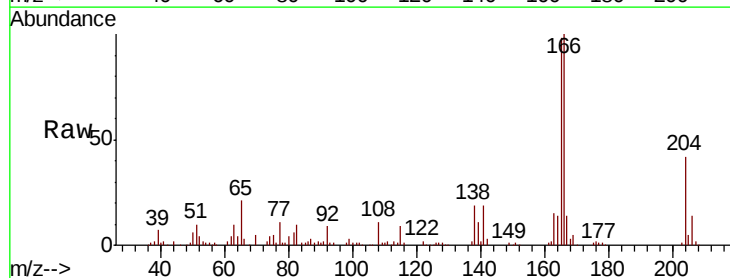


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

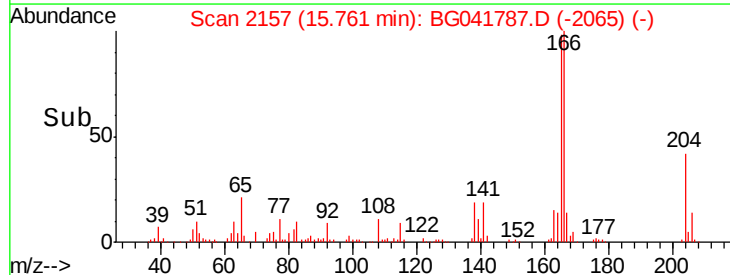
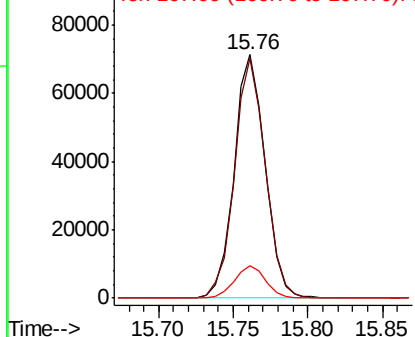


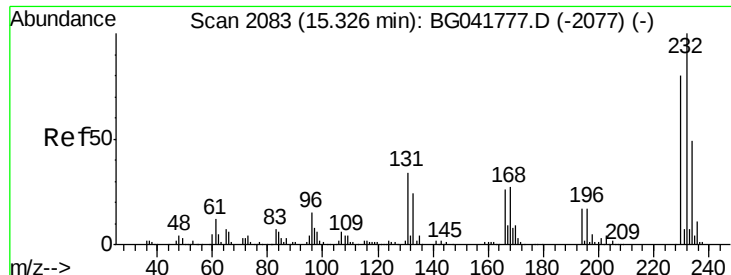
#58
Fluorene
Concen: 5.494 ng
RT: 15.76 min Scan# 2157
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:166 Resp: 102590
Ion Ratio Lower Upper
166 100
165 98.5 80.5 120.7
167 13.6 12.4 18.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

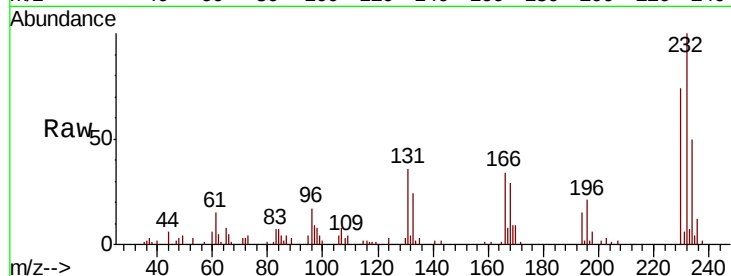




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.552 ng
 RT: 15.33 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	35.7	31.8	47.6
130	1.4	1.8	2.8
166	28.4	23.5	35.3



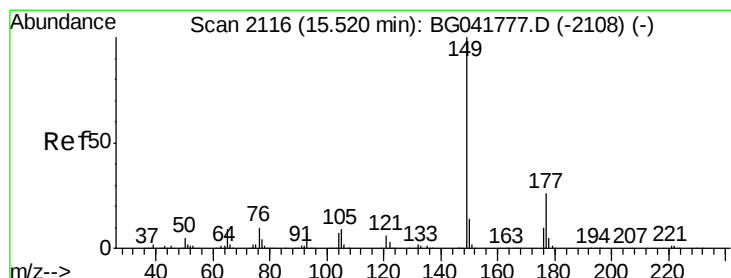
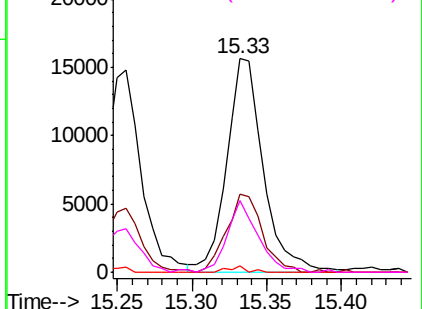
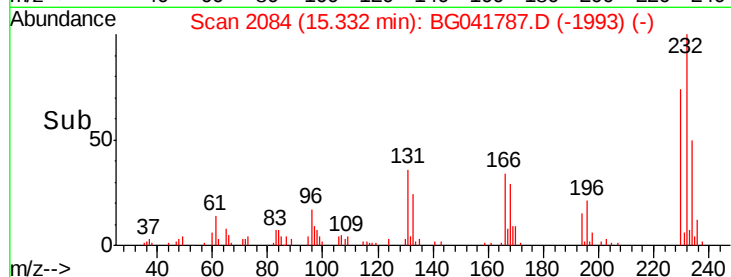
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

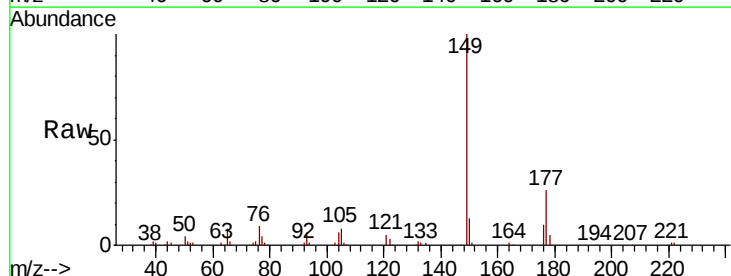
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 5.341 ng
 RT: 15.53 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.6	20.7	31.1
150	12.7	11.5	17.3

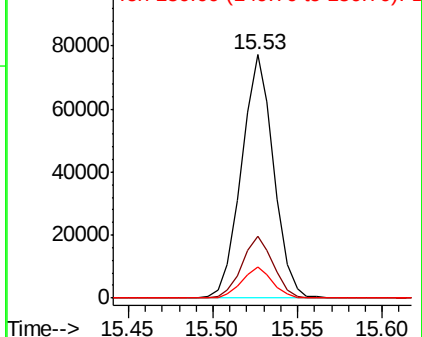
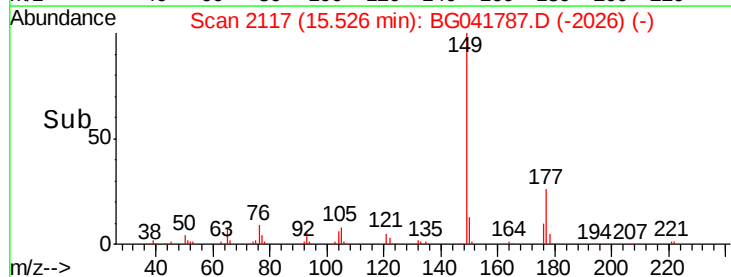


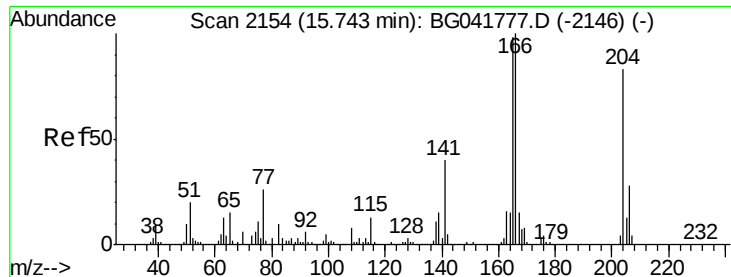
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

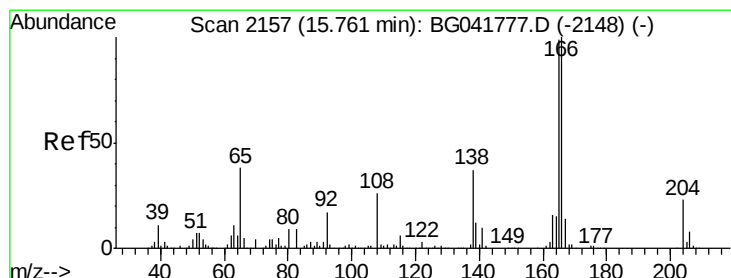
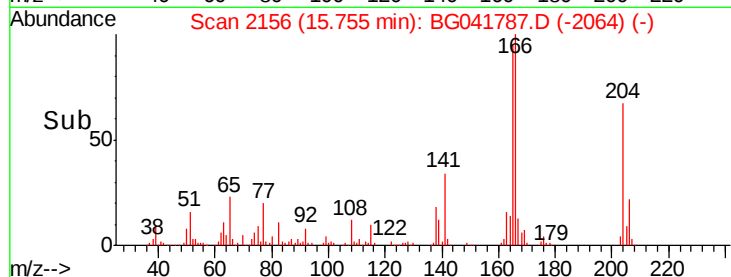
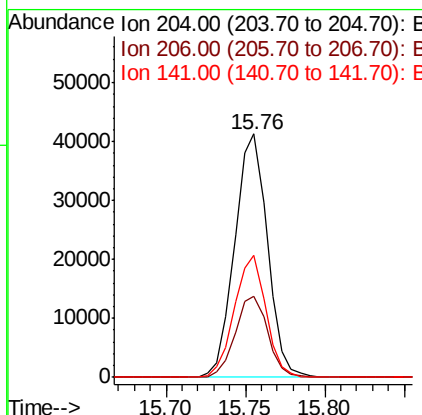
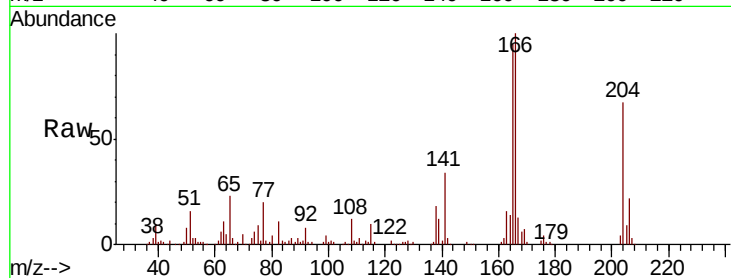




#61
 4-Chlorophenyl-phenylether
 Concen: 5.181 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

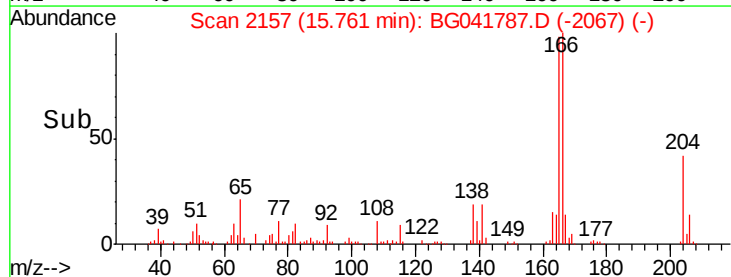
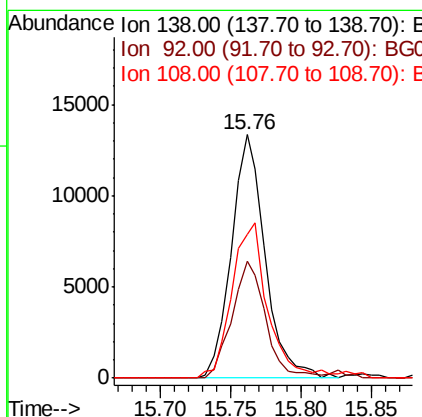
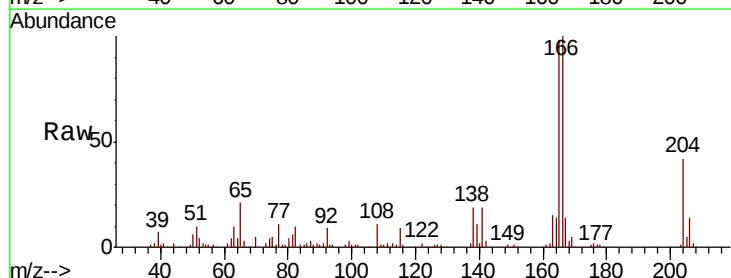
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

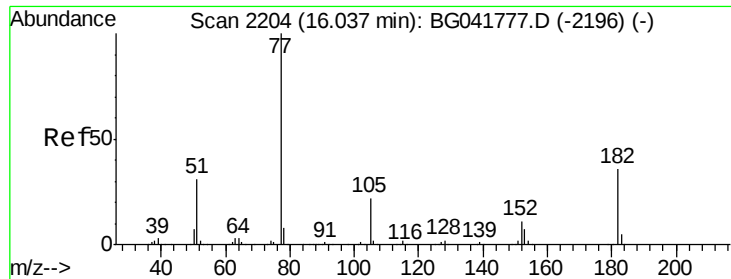
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	28.6	42.8
141	50.3	42.9	64.3



#62
 4-Nitroaniline
 Concen: 4.686 ng
 RT: 15.76 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.8	29.8	69.8
108	59.0	52.2	92.2





#63

Azobenzene

Concen: 5.273 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 77 Resp: 82515

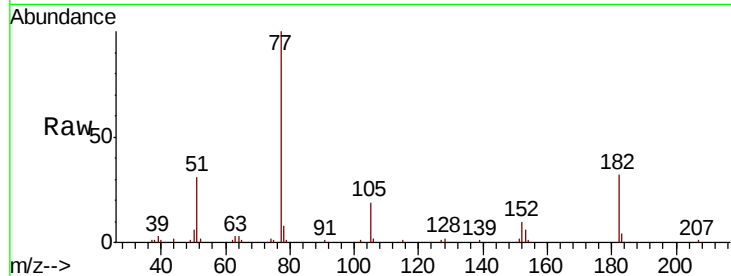
Ion Ratio Lower Upper

77 100

182 31.5 13.2 53.2

105 18.6 2.2 42.2

51 31.5 14.6 54.6

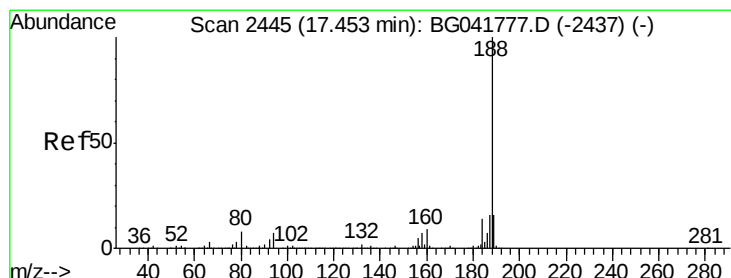
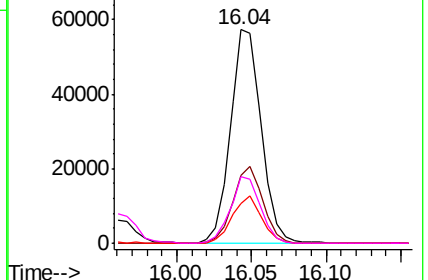
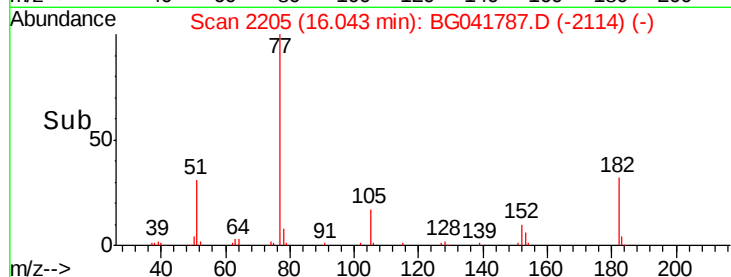


Abundance Ion 77.00 (76.70 to 77.70): BGC

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# 2446

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

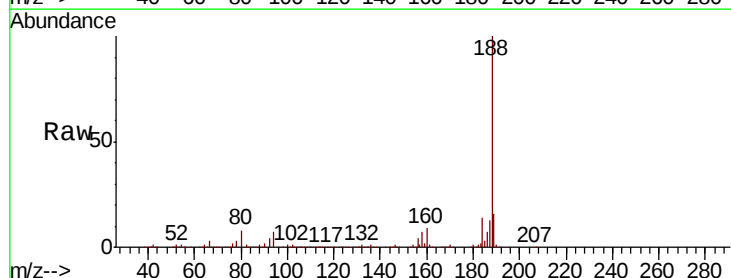
Tgt Ion: 188 Resp: 645774

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

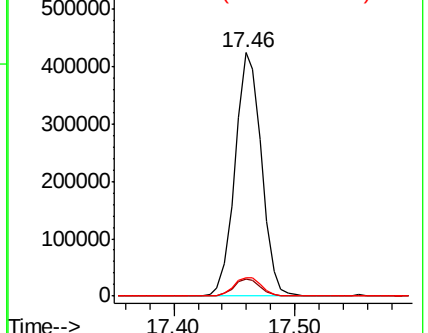
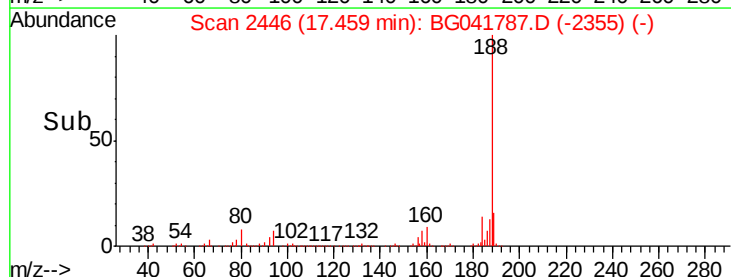
80 7.7 8.0 12.0#

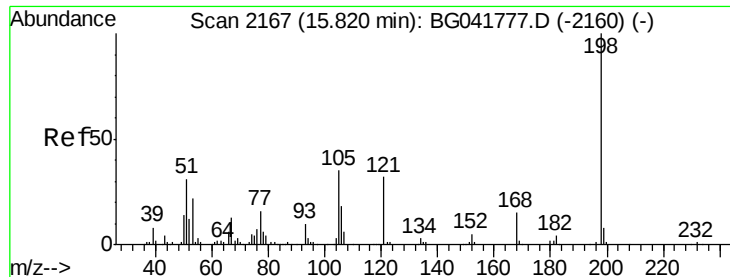


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

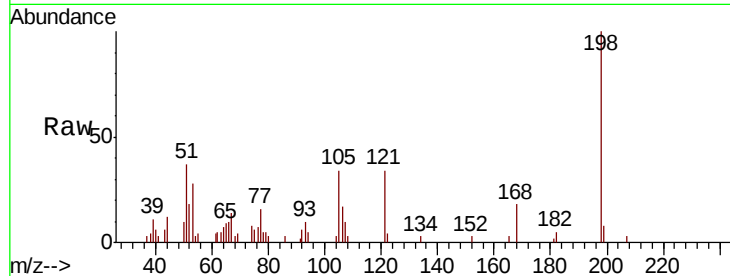




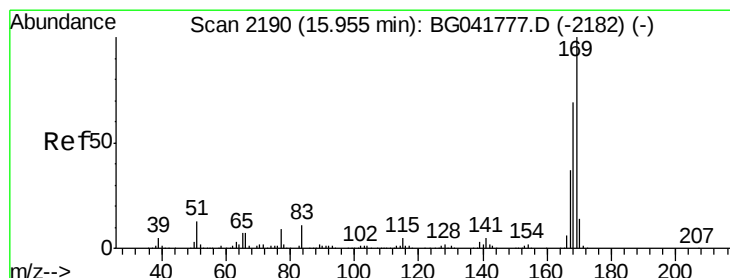
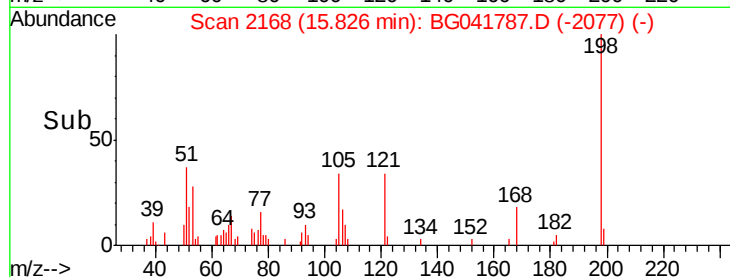
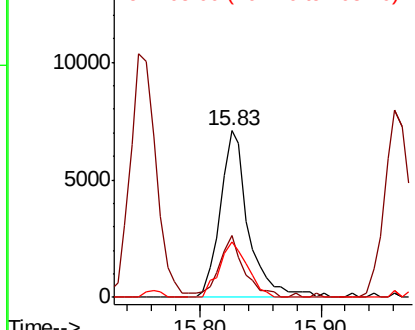
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.947 ng
 RT: 15.83 min Scan# 2168
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

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

Tot Ion:198 Resp: 11411
 Ion Ratio Lower Upper
 198 100
 51 37.1 22.3 62.3
 105 33.7 18.0 58.0

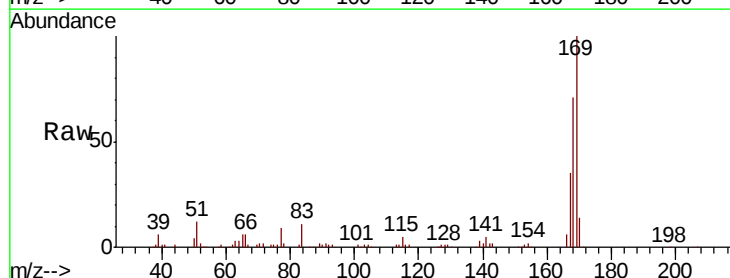


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

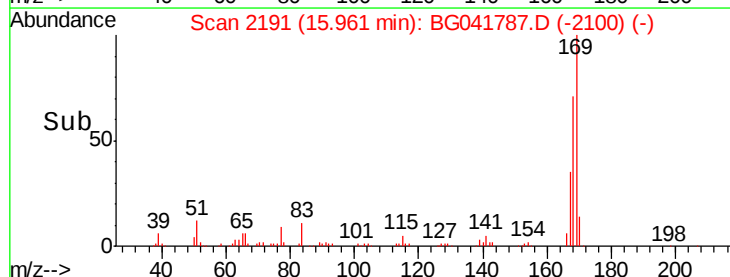
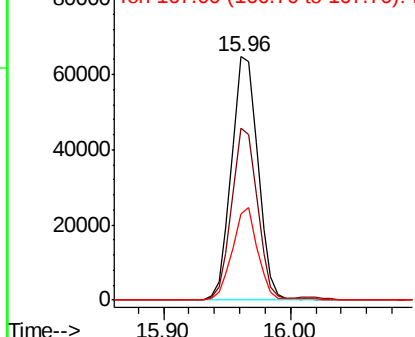


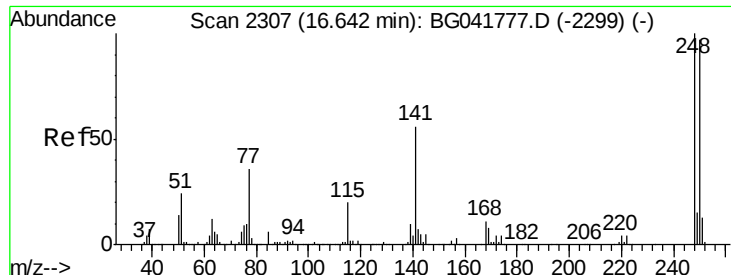
#66
 n-Nitrosodiphenylamine
 Concen: 5.318 ng
 RT: 15.96 min Scan# 2191
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion:169 Resp: 93538
 Ion Ratio Lower Upper
 169 100
 168 70.8 56.9 85.3
 167 35.3 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

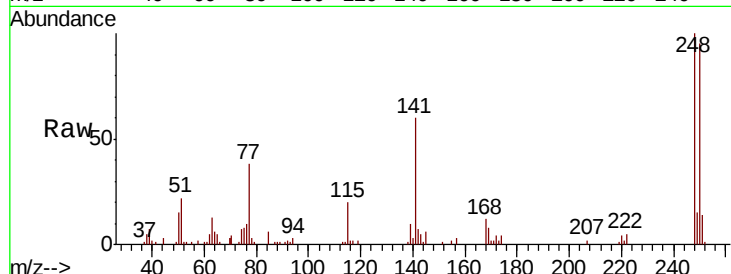




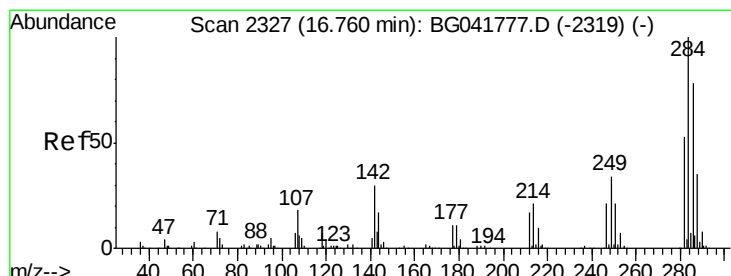
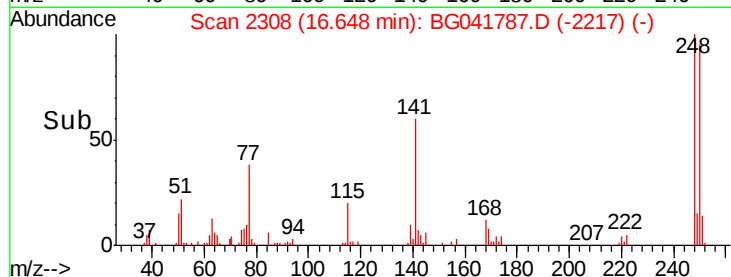
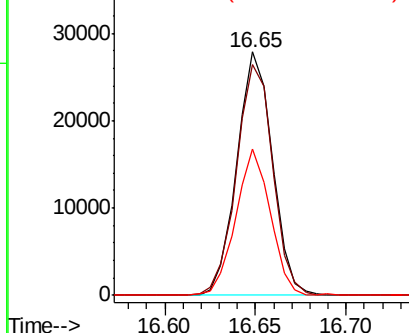
#67
4-Bromophenyl-phenylether
Concen: 4.786 ng
RT: 16.65 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:248 Resp: 38074
Ion Ratio Lower Upper
248 100
250 94.7 78.1 117.1
141 60.1 49.6 74.4

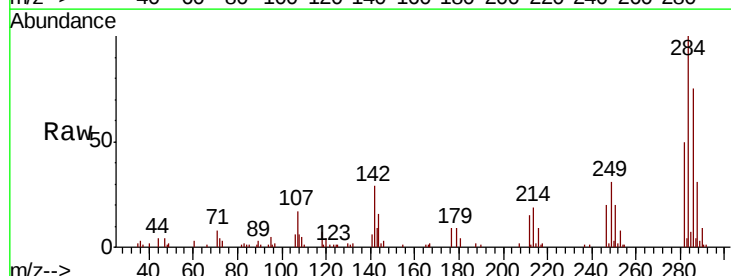


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

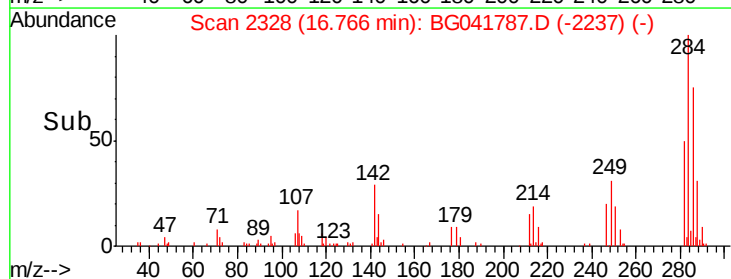
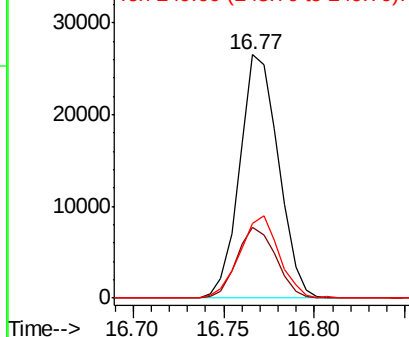


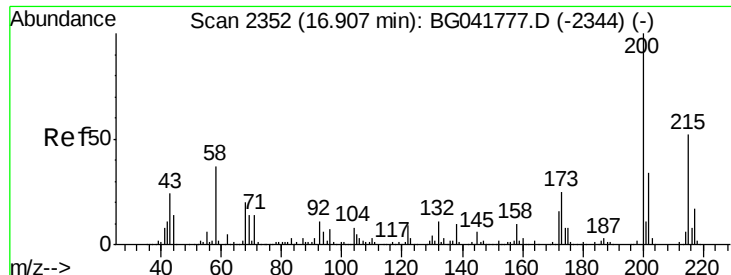
#68
Hexachlorobenzene
Concen: 4.740 ng
RT: 16.77 min Scan# 2328
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:284 Resp: 39448
Ion Ratio Lower Upper
284 100
142 29.2 27.0 40.6
249 30.6 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: 4.792 ng

RT: 16.91 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

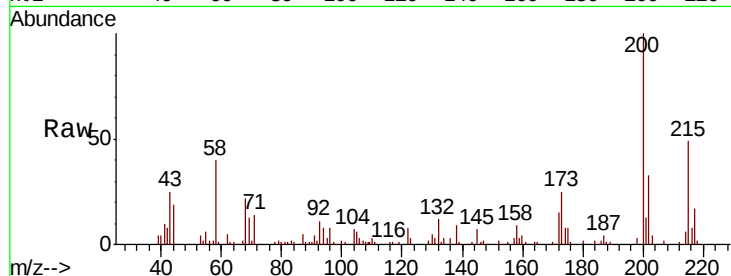
Tot Ion:200 Resp: 33119

Ion Ratio Lower Upper

200 100

173 25.2 5.3 45.3

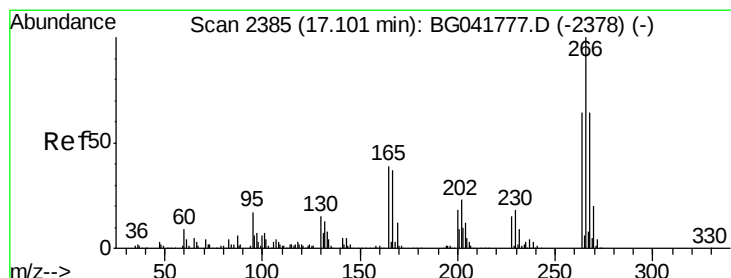
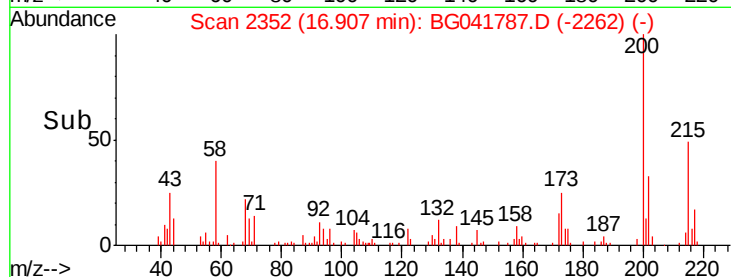
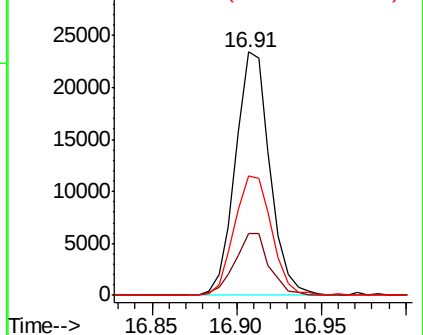
215 48.9 31.8 71.8



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: 3.612 ng

RT: 17.11 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

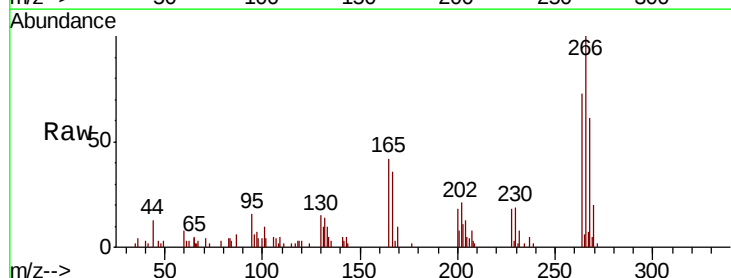
Tgt Ion:266 Resp: 17074

Ion Ratio Lower Upper

266 100

268 61.4 52.9 79.3

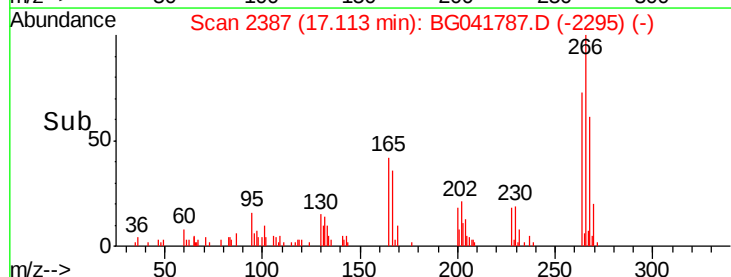
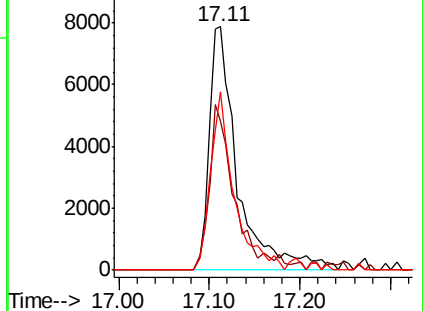
264 73.2 51.4 77.2

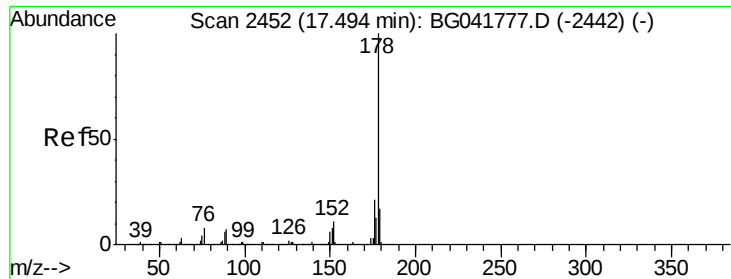


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

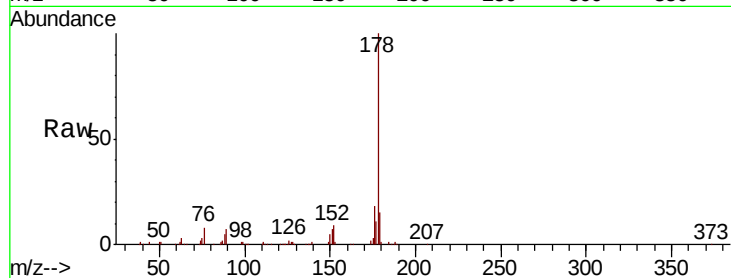




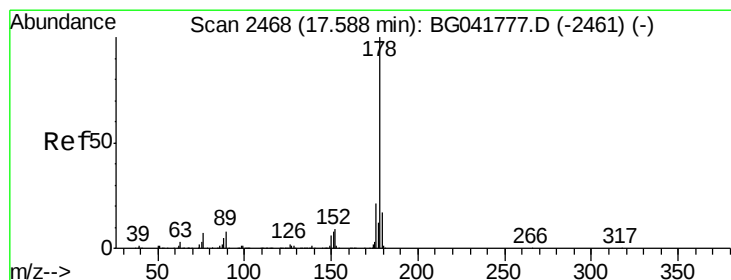
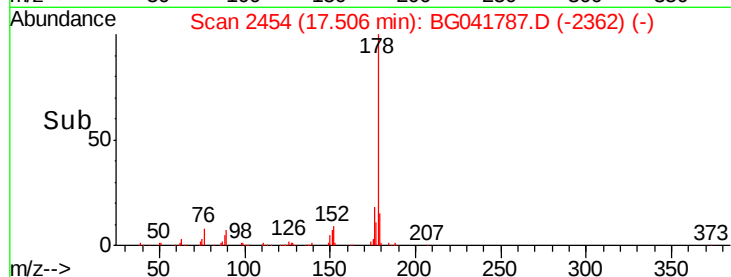
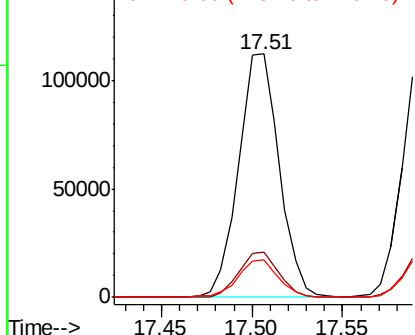
#71
Phenanthrene
Concen: 5.652 ng
RT: 17.51 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion:178 Resp: 174940
Ion Ratio Lower Upper
178 100
176 18.4 18.6 28.0#
179 15.4 15.4 23.0

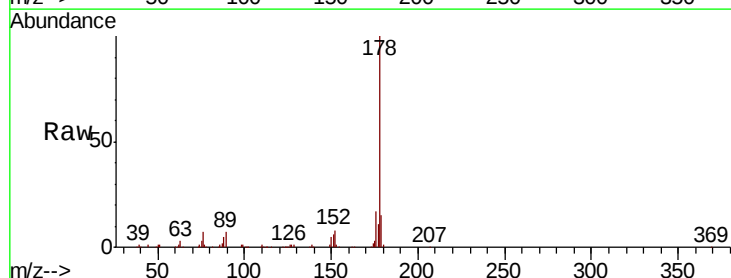


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

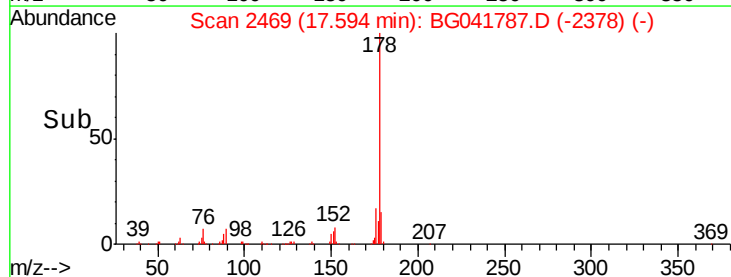
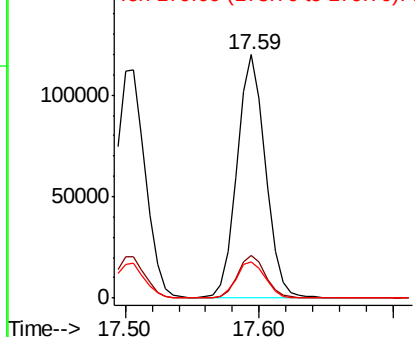


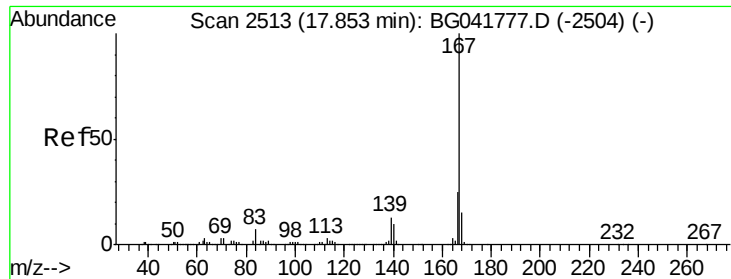
#72
Anthracene
Concen: 5.703 ng
RT: 17.59 min Scan# 2469
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion:178 Resp: 176057
Ion Ratio Lower Upper
178 100
176 17.3 18.6 28.0#
179 15.0 15.1 22.7#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

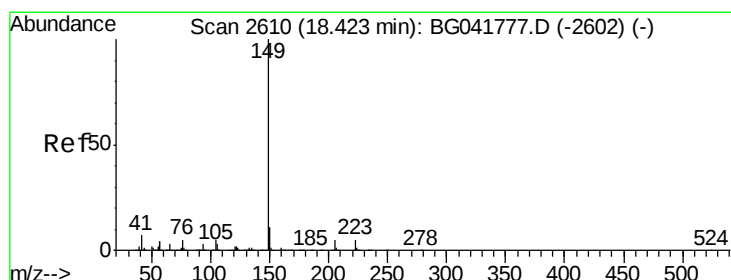
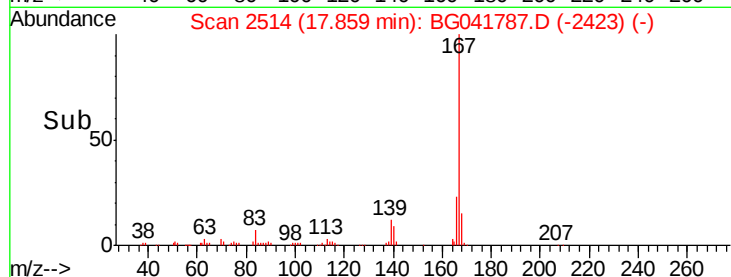
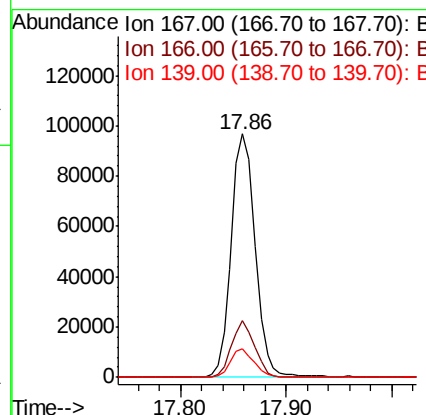
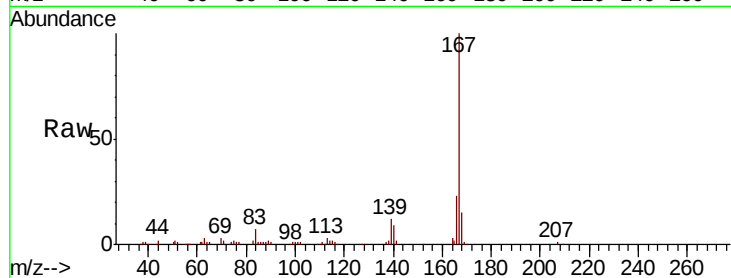




#73
 Carbazole
 Concen: 5.488 ng
 RT: 17.86 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

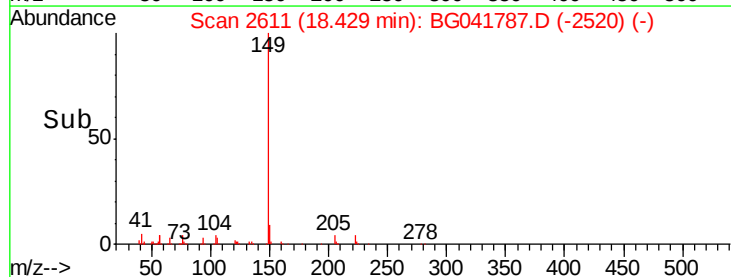
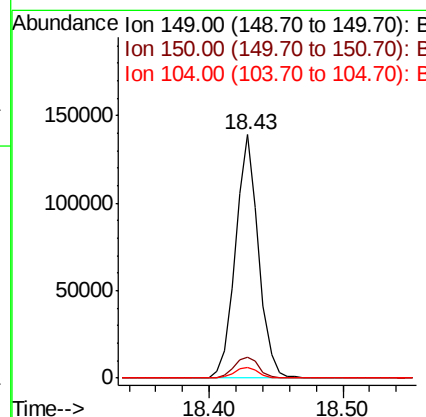
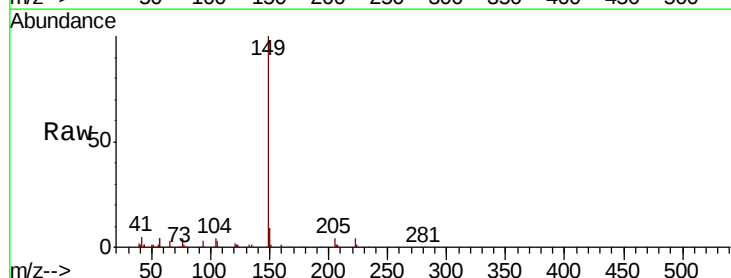
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

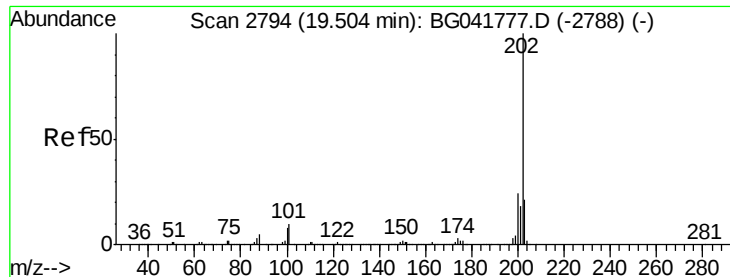
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	21.4	32.2
139	11.8	12.1	18.1#



#74
 Di-n-butylphthalate
 Concen: 5.315 ng
 RT: 18.43 min Scan# 2611
 Delta R.T. 0.01 min
 Lab File: BG041787.D
 Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	10.2	15.2#
104	4.4	5.3	7.9#





#75

Fluoranthene

Concen: 5.771 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

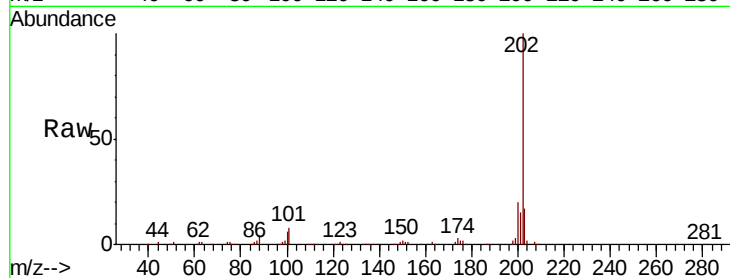
Tot Ion:202 Resp: 217133

Ion Ratio Lower Upper

202 100

101 7.8 0.0 32.8

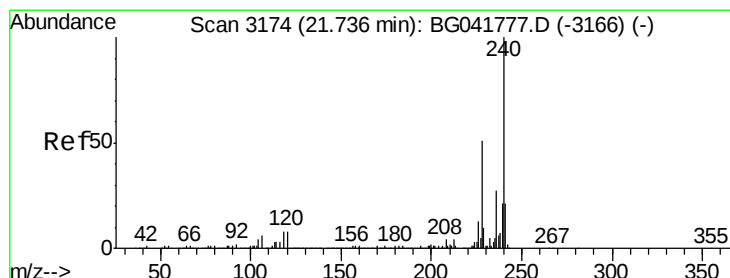
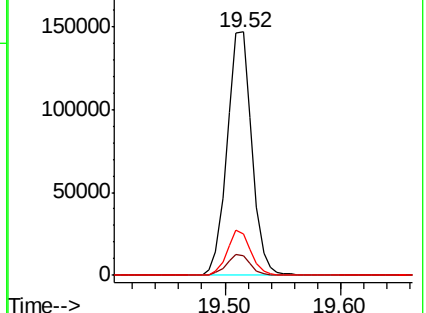
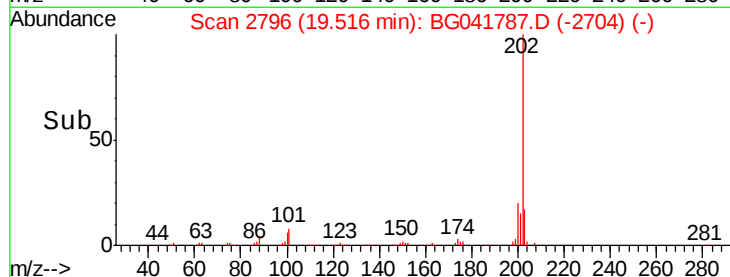
203 17.2 3.7 43.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

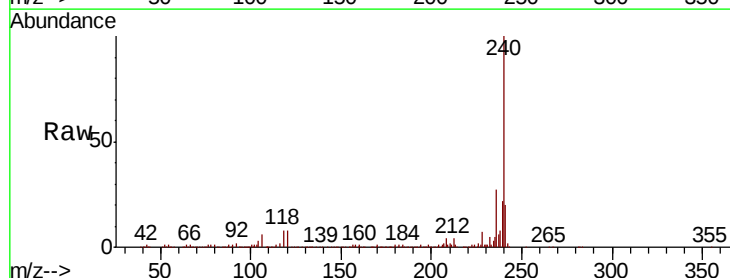
Tgt Ion:240 Resp: 674819

Ion Ratio Lower Upper

240 100

120 8.4 8.0 12.0

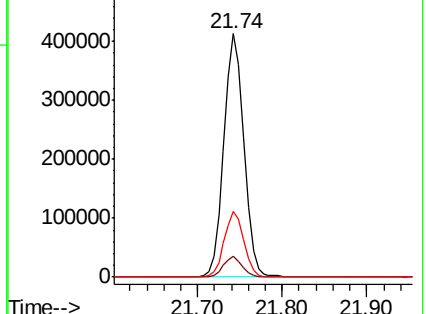
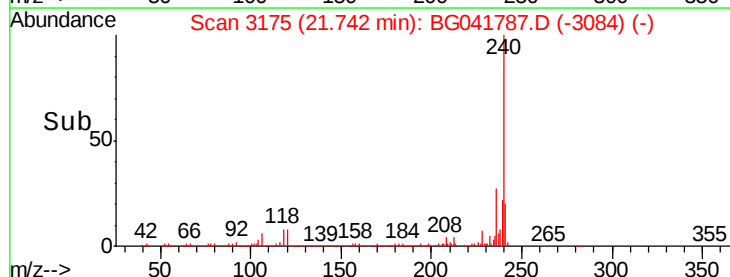
236 27.2 22.6 33.8

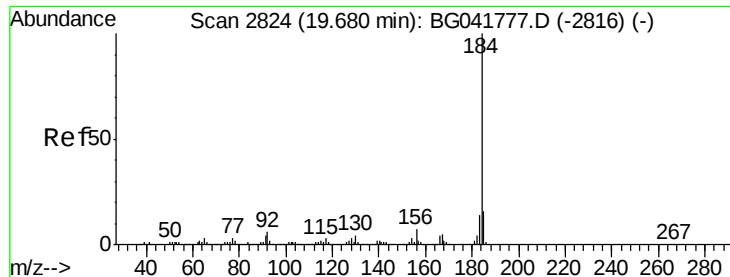


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.398 ng

RT: 19.69 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

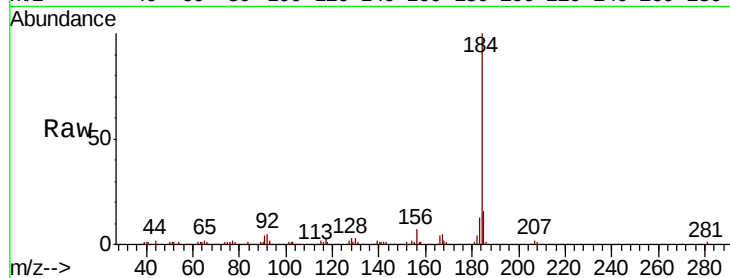
Tot Ion:184 Resp: 96878

Ion Ratio Lower Upper

184 100

185 16.0 13.0 19.4

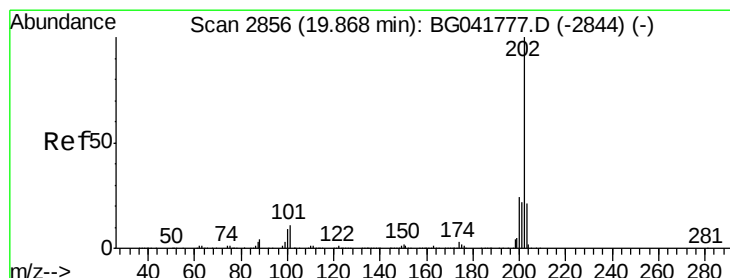
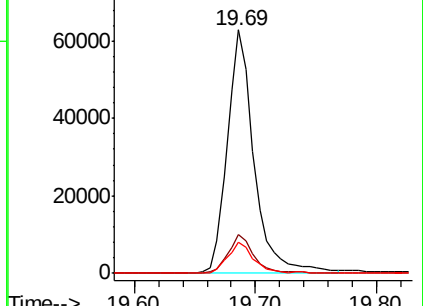
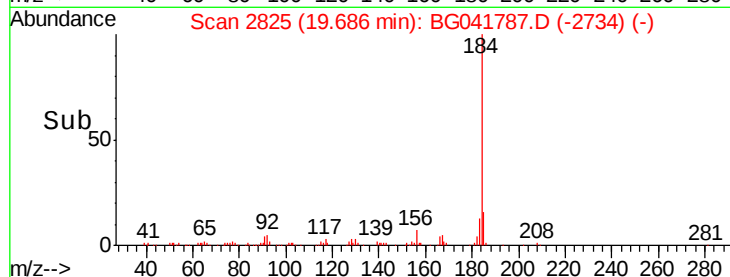
183 12.6 11.8 17.6



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: 5.714 ng

RT: 19.87 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

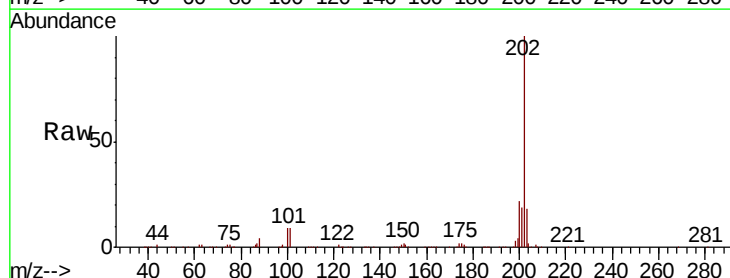
Tgt Ion:202 Resp: 228472

Ion Ratio Lower Upper

202 100

200 22.2 22.2 33.2

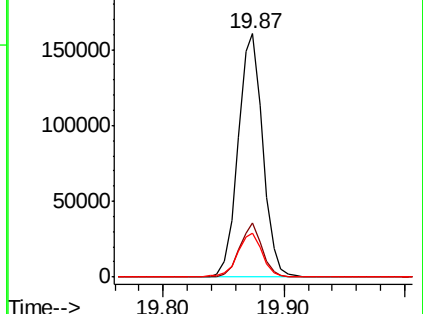
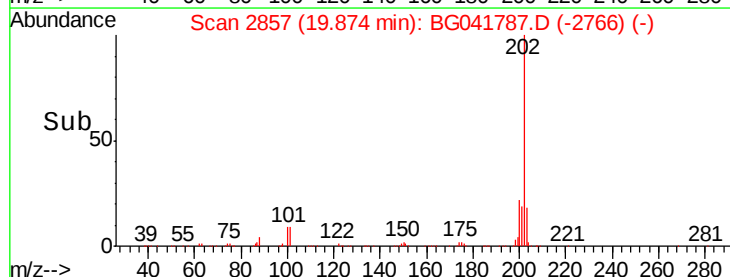
203 18.1 18.9 28.3#

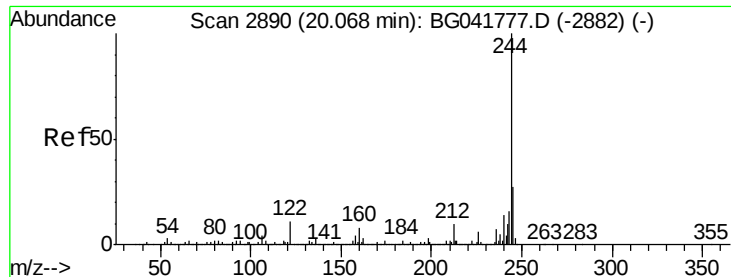


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.917 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

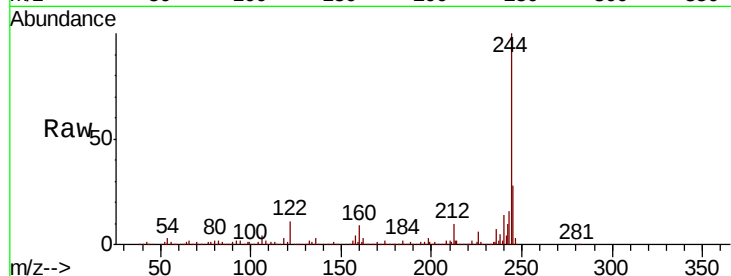
Tot Ion:244 Resp: 2150364

Ion Ratio Lower Upper

244 100

212 10.0 9.7 14.5

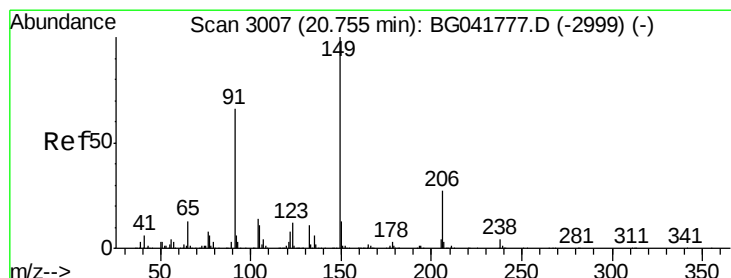
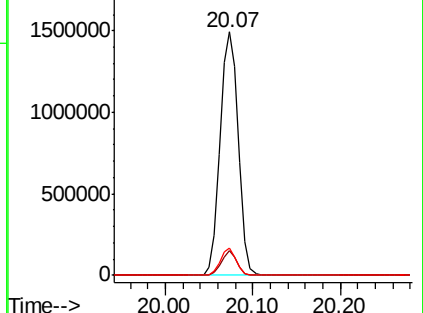
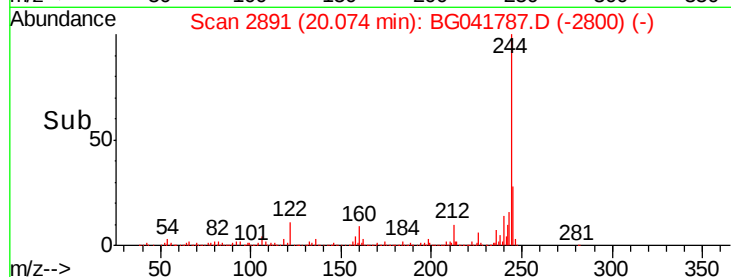
122 11.5 12.5 18.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.524 ng

RT: 20.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

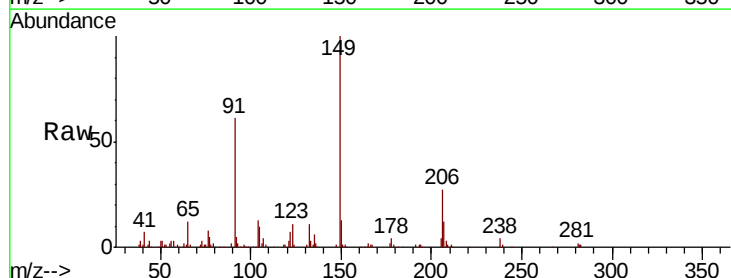
Tgt Ion:149 Resp: 69345

Ion Ratio Lower Upper

149 100

91 61.4 58.9 88.3

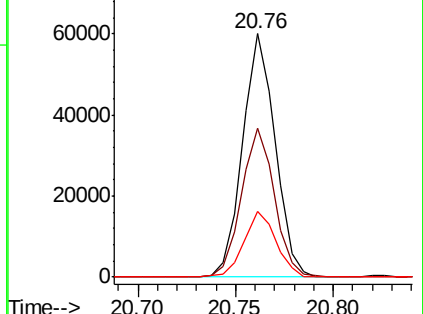
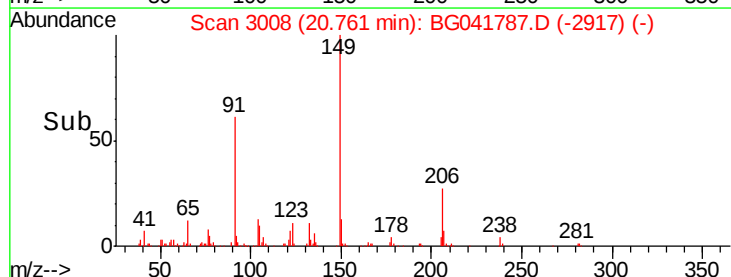
206 27.0 20.8 31.2

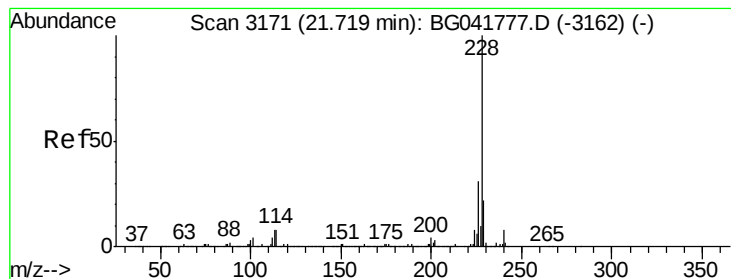


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.260 ng

RT: 21.79 min Scan# 3183

Delta R.T. 0.07 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

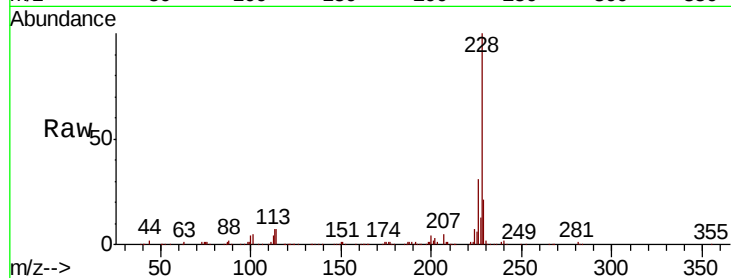
Tot Ion:228 Resp: 210021

Ion Ratio Lower Upper

228 100

226 30.7 27.3 40.9

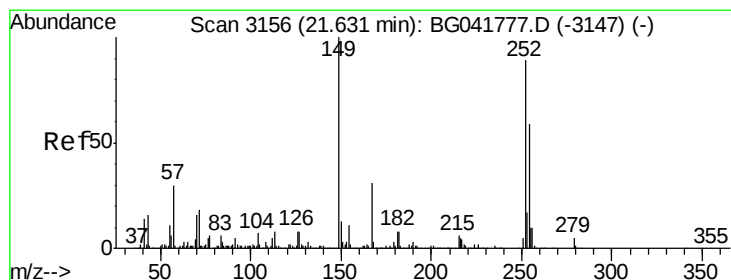
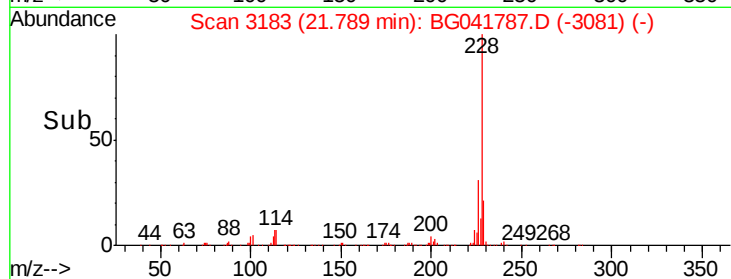
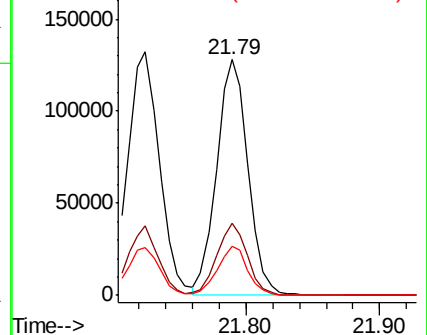
229 20.8 19.7 29.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.883 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

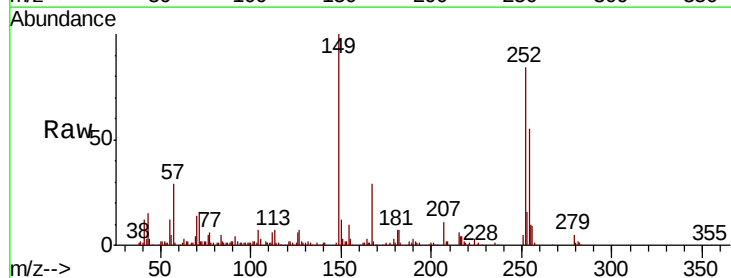
Tgt Ion:252 Resp: 78271

Ion Ratio Lower Upper

252 100

254 65.5 53.8 80.6

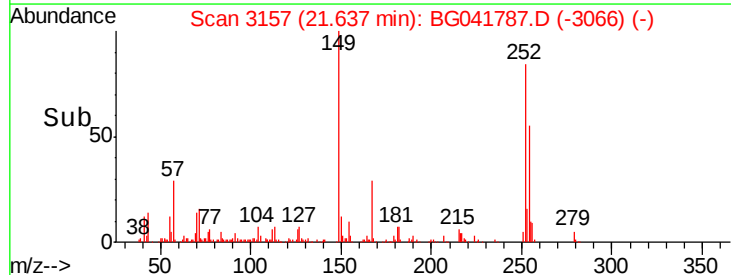
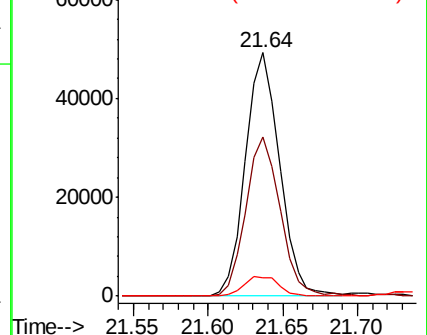
126 7.8 7.8 11.8#

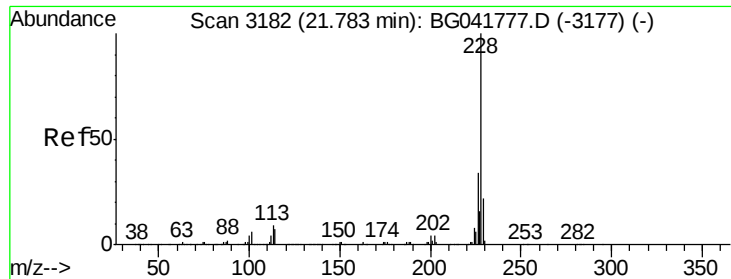


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 5.488 ng

RT: 21.79 min Scan# 3183

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

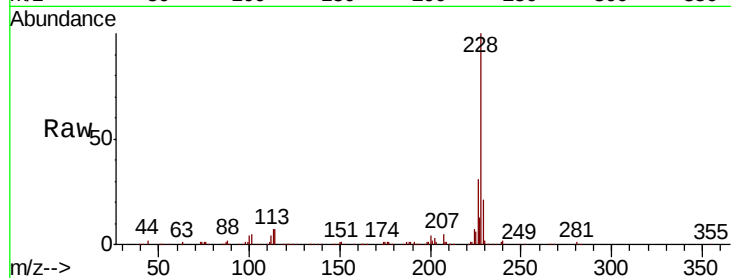
Tot Ion:228 Resp: 210021

Ion Ratio Lower Upper

228 100

226 30.7 30.1 45.1

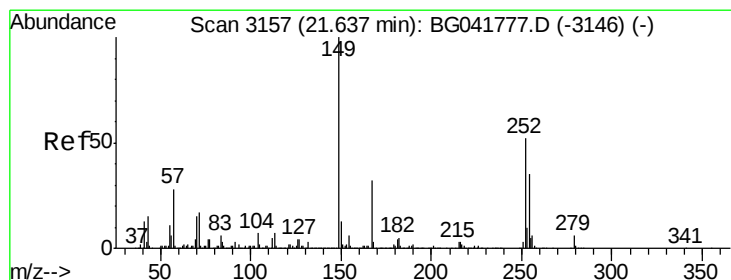
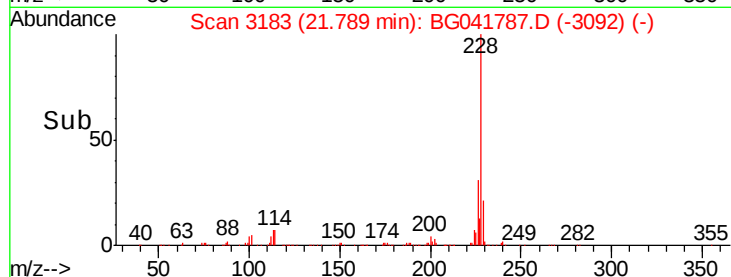
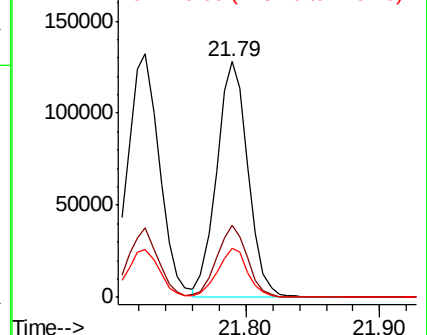
229 20.8 19.8 29.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.926 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

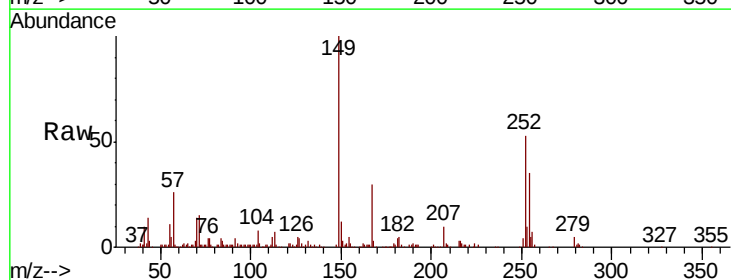
Tgt Ion:149 Resp: 104155

Ion Ratio Lower Upper

149 100

167 30.4 27.0 40.4

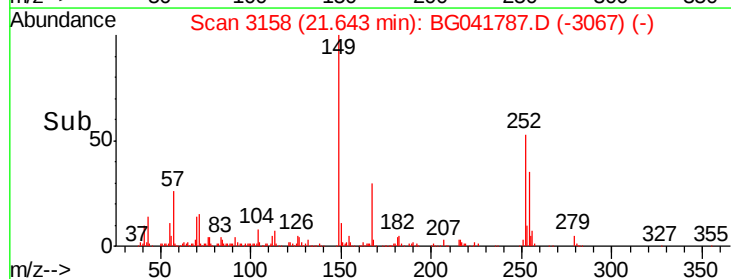
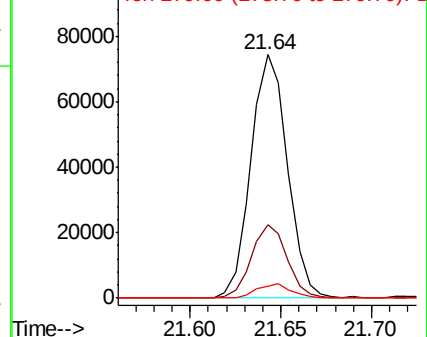
279 5.1 5.0 7.6

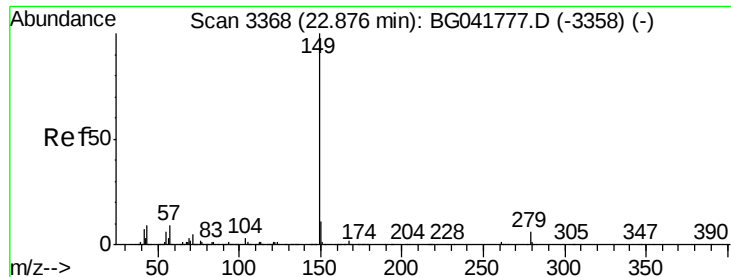


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.712 ng

RT: 22.88 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

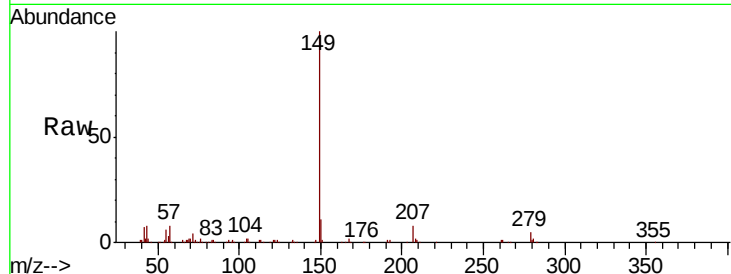
Tot Ion:149 Resp: 167668

Ion Ratio Lower Upper

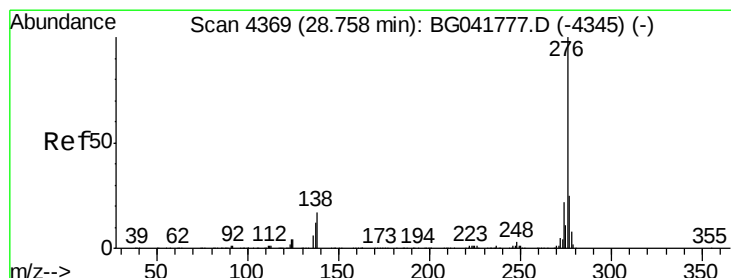
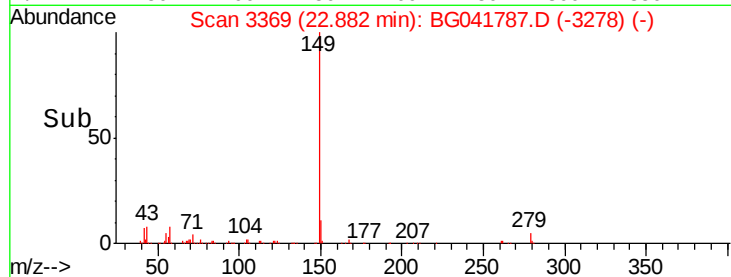
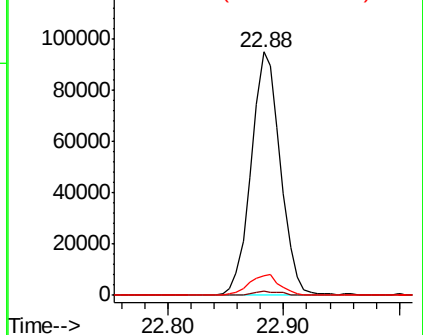
149 100

167 1.7 1.6 2.4

43 8.5 10.6 16.0#



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: 4.636 ng

RT: 28.76 min Scan# 4369

Delta R.T. 0.00 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

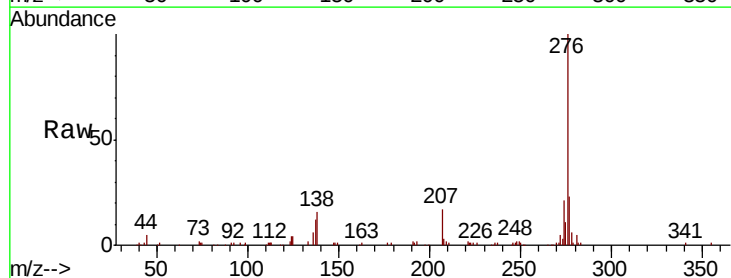
Tgt Ion:276 Resp: 234882

Ion Ratio Lower Upper

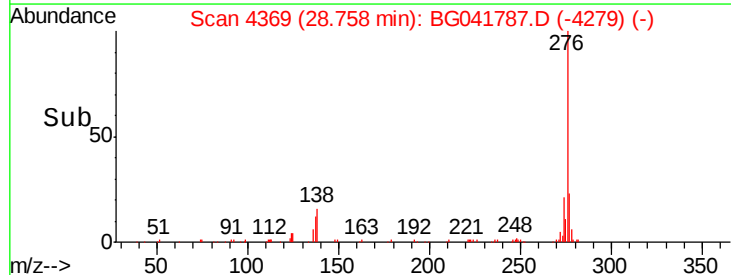
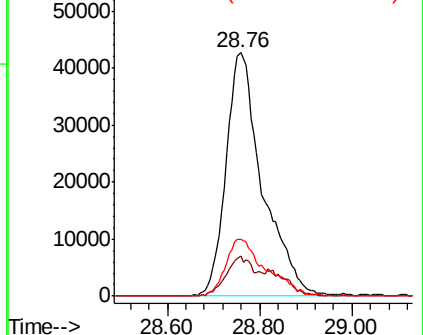
276 100

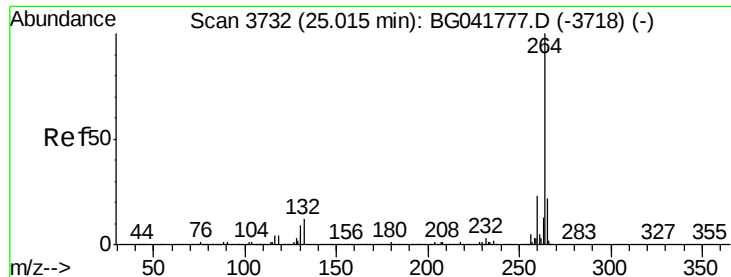
138 13.4 19.4 29.0#

277 25.6 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: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

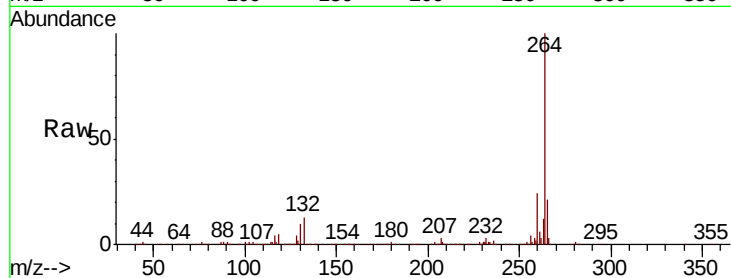
Tot Ion:264 Resp: 754207

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

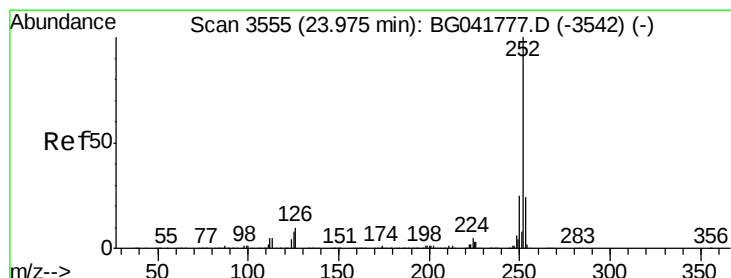
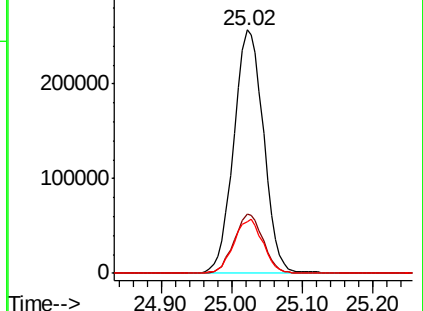
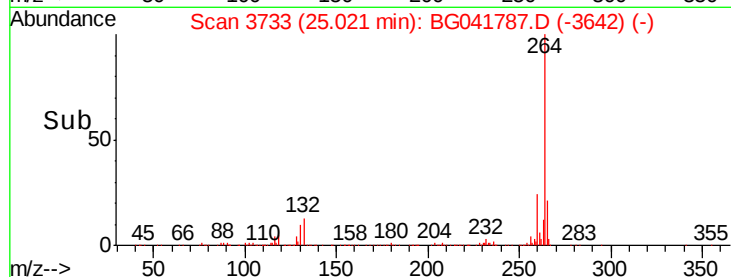
265 21.4 18.0 27.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.049 ng

RT: 23.98 min Scan# 3556

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

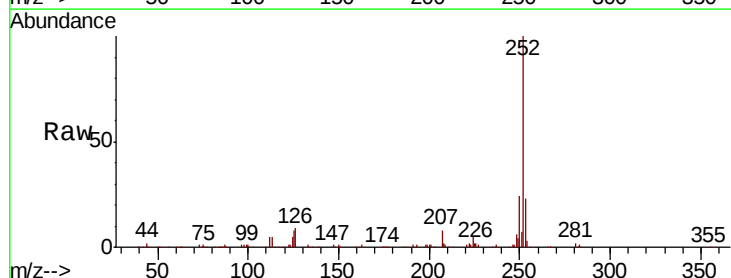
Tgt Ion:252 Resp: 208301

Ion Ratio Lower Upper

252 100

253 23.0 20.6 30.8

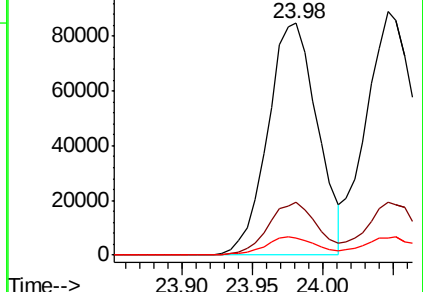
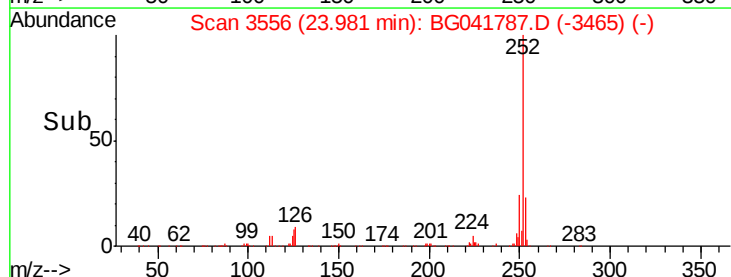
125 7.6 8.0 12.0#

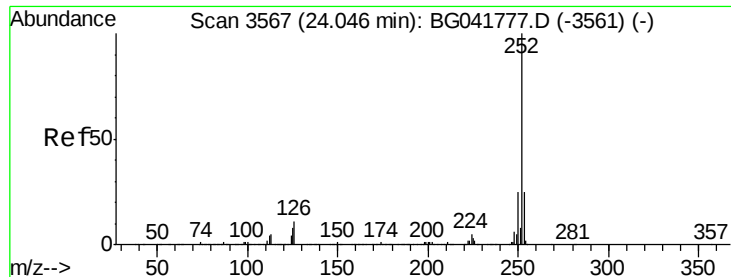


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.488 ng

RT: 24.05 min Scan# 3567

Delta R.T. 0.00 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

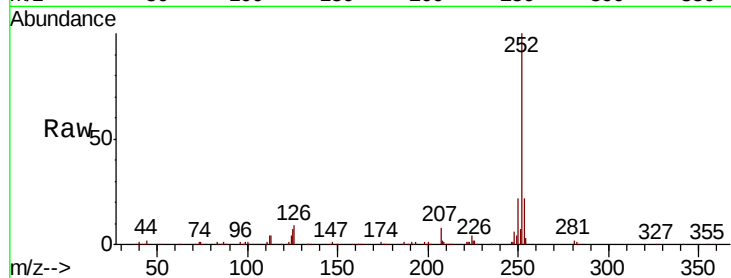
Tot Ion:252 Resp: 220556

Ion Ratio Lower Upper

252 100

253 21.7 20.5 30.7

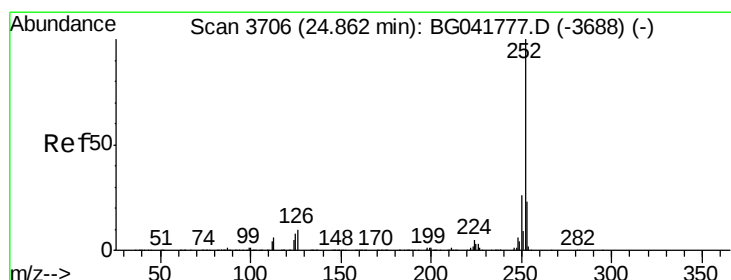
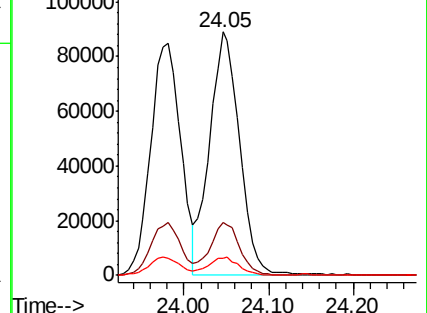
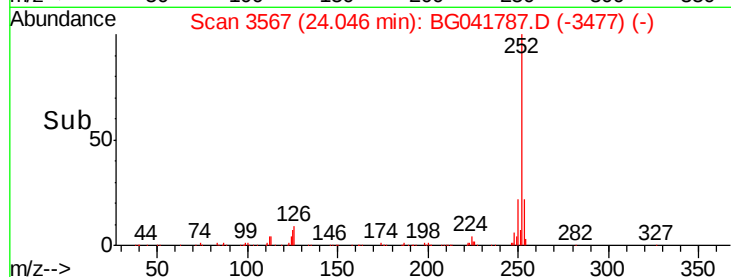
125 7.2 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 5.229 ng

RT: 24.87 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG041787.D

Acq: 29 Jul 2019 13:36

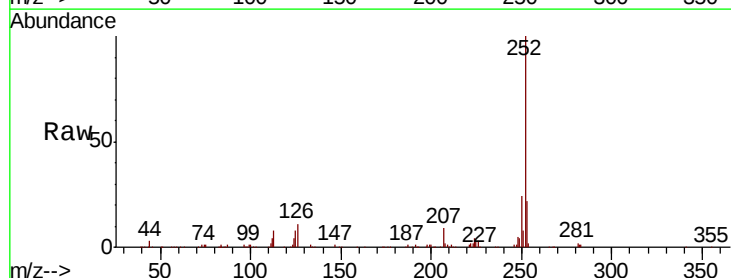
Tgt Ion:252 Resp: 206912

Ion Ratio Lower Upper

252 100

253 22.0 19.8 29.8

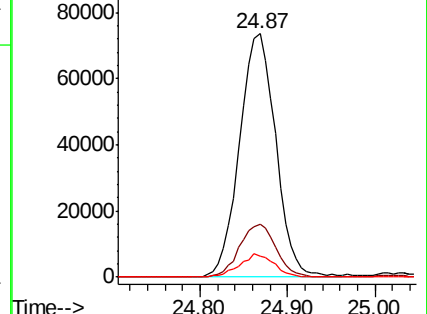
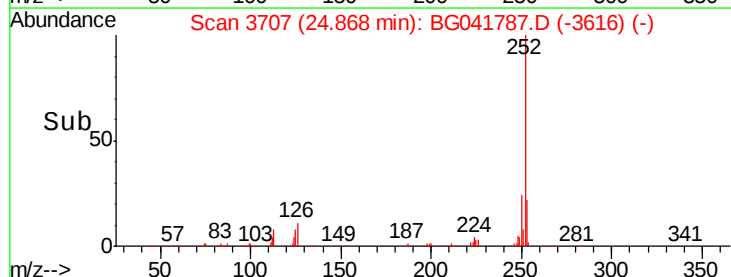
125 8.5 8.8 13.2#

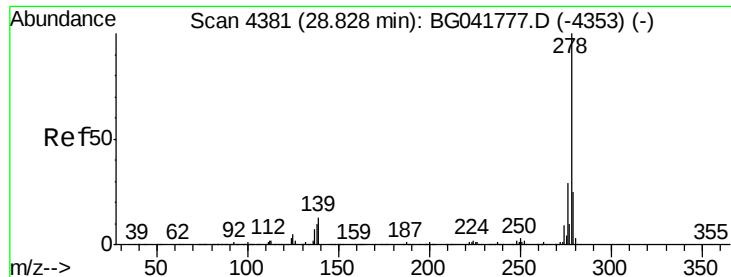


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

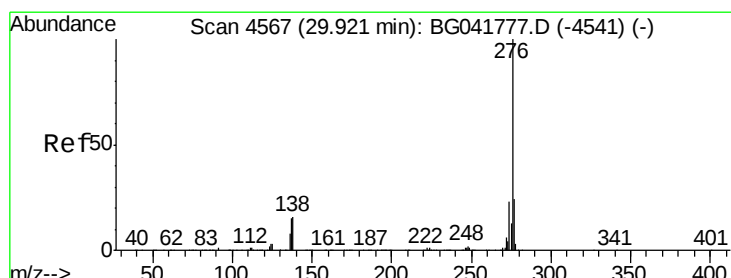
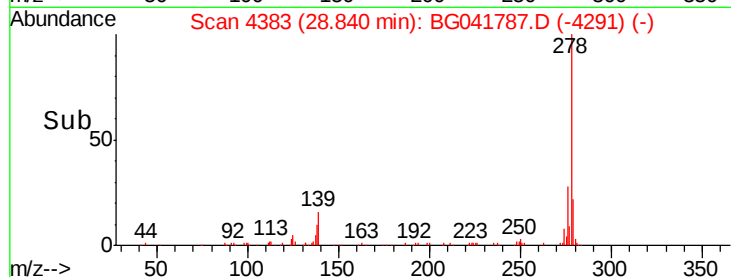
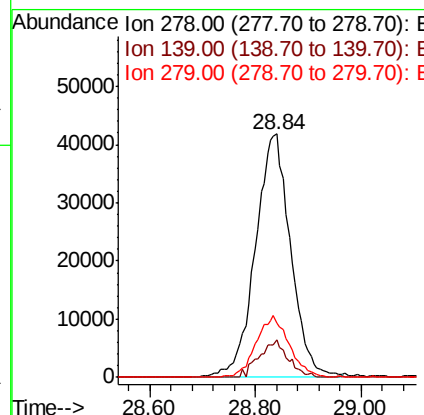
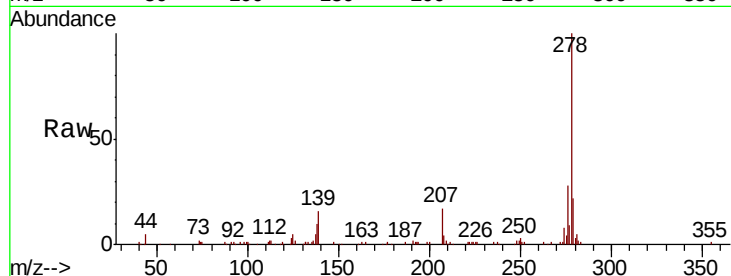




#91
Dibenzo(a,h)anthracene
Concen: 4.978 ng
RT: 28.84 min Scan# 4383
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.6	19.0
279	22.3	20.5	30.7



#92
Benzo(g,h,i)perylene
Concen: 4.952 ng
RT: 29.93 min Scan# 4569
Delta R.T. 0.01 min
Lab File: BG041787.D
Acq: 29 Jul 2019 13:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	19.8	19.8	29.8#
138	16.2	16.6	25.0#

