

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
 Data File : BG041789.D
 Acq On : 29 Jul 2019 15:05
 Operator : HP/JU
 Sample : K3591-02
 Misc : LOO-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Quant Time: Jul 29 15:45:08 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	8.05	152	93155	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	397747	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	296300	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	664616	20.00	ng	0.00
76) Chrysene-d12	21.74	240	667617	20.00	ng	0.00
87) Perylene-d12	25.02	264	762281	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	586949	122.59	ng	0.00
7) Phenol-d6	7.20	99	779104	120.70	ng	0.00
23) Nitrobenzene-d5	9.21	82	487031	84.26	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	429869	127.73	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1358638	80.87	ng	0.00
79) Terphenyl-d14	20.07	244	2169827	74.37	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.48	88	24048	10.671	ng	94
3) Pyridine	3.88	79	49151	7.954	ng	88
4) n-Nitrosodimethylamine	3.79	42	21718	8.865	ng	93
6) Aniline	7.36	93	86318	9.497	ng	97
8) 2-Chlorophenol	7.61	128	55156	10.060	ng	91
9) Benzaldehyde	7.17	77	48610	10.702	ng	96
10) Phenol	7.22	94	67531	10.056	ng	96
11) bis(2-Chloroethyl)ether	7.46	93	54268	9.830	ng	92
12) 1,3-Dichlorobenzene	7.94	146	66755	9.329	ng	97
13) 1,4-Dichlorobenzene	8.08	146	68464	9.562	ng	97
14) 1,2-Dichlorobenzene	8.41	146	63108	9.237	ng	97
15) Benzyl Alcohol	8.28	79	47582	9.370	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.58	45	91639	9.330	ng	95
17) 2-Methylphenol	8.48	107	47259	9.677	ng	93
18) Hexachloroethane	9.15	117	22601	9.218	ng	93
19) n-Nitroso-di-n-propylamine	8.85	70	45286	9.663	ng	88
20) 3+4-Methylphenols	8.81	107	64346	9.628	ng	98
22) Acetophenone	8.87	105	87528	9.838	ng	# 93
24) Nitrobenzene	9.25	77	63099	10.363	ng	95
25) Isophorone	9.78	82	126364	10.050	ng	97
26) 2-Nitrophenol	9.97	139	27467	9.719	ng	89
27) 2,4-Dimethylphenol	10.03	122	55278	11.083	ng	95
28) bis(2-Chloroethoxy)methane	10.27	93	78237	9.957	ng	99
29) 2,4-Dichlorophenol	10.51	162	58439	9.621	ng	95
30) 1,2,4-Trichlorobenzene	10.73	180	72339	9.392	ng	99
31) Naphthalene	10.92	128	186805	10.262	ng	96
32) Benzoic acid	10.10	122	9672	10.949	ng	96
33) 4-Chloroaniline	11.02	127	81466	9.437	ng	96
34) Hexachlorobutadiene	11.22	225	47202	9.080	ng	98
35) Caprolactam	11.77	113	21646	10.255	ng	# 76
36) 4-Chloro-3-methylphenol	12.14	107	60001	9.964	ng	96
37) 2-Methylnaphthalene	12.53	142	150819	10.467	ng	98
38) 1-Methylnaphthalene	12.75	142	142573	10.441	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.90	216	91591	9.765	ng	97

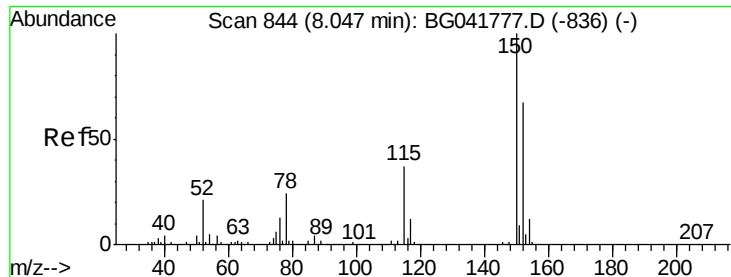
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
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 Acq On : 29 Jul 2019 15:05
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	50587	9.593	nq	98
43) 2,4,6-Trichlorophenol	13.13	196	53905	9.093	nq	96
44) 2,4,5-Trichlorophenol	13.20	196	62066	10.075	nq	98
46) 1,1'-Biphenyl	13.53	154	195585	10.269	nq	96
47) 2-Chloronaphthalene	13.58	162	156209	9.633	nq	95
48) 2-Nitroaniline	13.77	65	37362	9.084	nq	92
49) Acenaphthylene	14.42	152	258438	10.654	nq	96
50) Dimethylphthalate	14.15	163	208773	10.317	nq	98
51) 2,6-Dinitrotoluene	14.26	165	43572	10.297	nq	88
52) Acenaphthene	14.77	154	152988	9.697	nq	98
53) 3-Nitroaniline	14.59	138	42674	9.427	nq	# 88
54) 2,4-Dinitrophenol	14.80	184	13371	10.302	nq	88
55) Dibenzofuran	15.10	168	257842	10.685	nq	91
56) 4-Nitrophenol	14.89	139	32246	9.384	nq	90
57) 2,4-Dinitrotoluene	15.05	165	57897	9.950	nq	91
58) Fluorene	15.75	166	208174	10.750	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.32	232	59214	9.705	nq	# 93
60) Diethylphthalate	15.51	149	203052	10.221	nq	96
61) 4-Chlorophenyl-phenylether	15.74	204	118132	9.992	nq	92
62) 4-Nitroaniline	15.75	138	47611	9.710	nq	95
63) Azobenzene	16.04	77	164252	10.121	nq	94
65) 4,6-Dinitro-2-methylphenol	15.82	198	27106	13.996	nq	88
66) n-Nitrosodiphenylamine	15.96	169	186902	10.324	nq	95
67) 4-Bromophenyl-phenylether	16.64	248	75739	9.251	nq	96
68) Hexachlorobenzene	16.76	284	81123	9.472	nq	92
69) Atrazine	16.90	200	70741	9.945	nq	96
70) Pentachlorophenol	17.10	266	39571	8.133	nq	# 88
71) Phenanthrene	17.49	178	346691	10.883	nq	# 91
72) Anthracene	17.59	178	349315	10.994	nq	# 90
73) Carbazole	17.85	167	307468	10.782	nq	# 92
74) Di-n-butylphthalate	18.42	149	341596	10.566	nq	# 92
75) Fluoranthene	19.50	202	440474	11.375	nq	89
77) Benzidine	19.68	184	213874	9.815	nq	97
78) Pyrene	19.87	202	449251	11.358	nq	# 88
80) Butylbenzylphthalate	20.76	149	143688	9.475	nq	91
81) Benzo(a)anthracene	21.72	228	419562	10.622	nq	91
82) 3,3'-Dichlorobenzidine	21.63	252	167015	10.531	nq	100
83) Chrysene	21.78	228	405658	10.714	nq	90
84) Bis(2-ethylhexyl)phthalate	21.64	149	212721	10.169	nq	97
85) Di-n-octyl phthalate	22.88	149	352682	10.018	nq	# 90
86) Indeno(1,2,3-cd)pyrene	28.75	276	471874	9.415	nq	# 87
88) Benzo(b)fluoranthene	23.97	252	423093	10.146	nq	# 91
89) Benzo(k)fluoranthene	24.04	252	433281	10.667	nq	# 91
90) Benzo(a)pyrene	24.86	252	417078	10.429	nq	# 94
91) Dibenzo(a,h)anthracene	28.82	278	390832	9.952	nq	# 95
92) Benzo(g,h,i)perylene	29.91	276	395120	10.071	nq	96

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

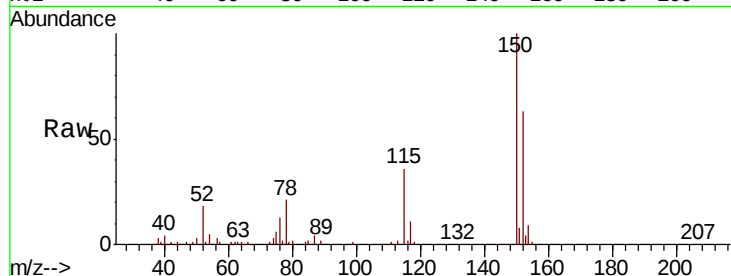


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.9	190.3
115	57.0	45.0	67.6

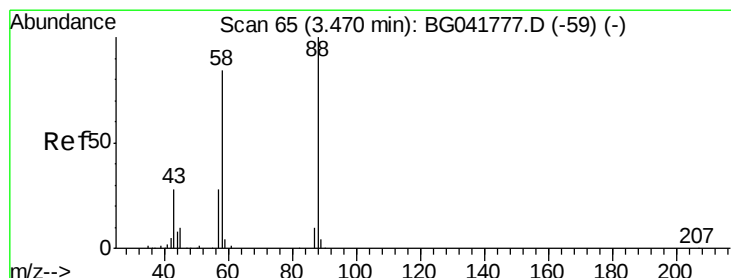
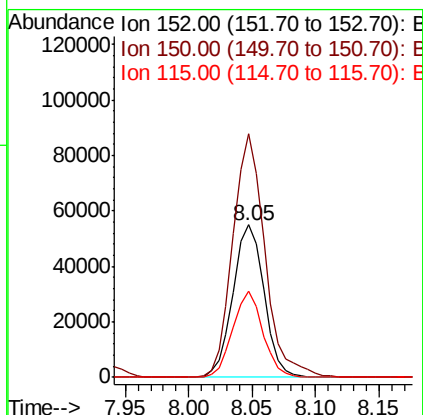
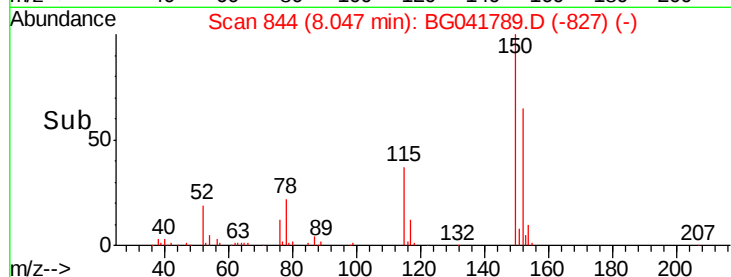


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

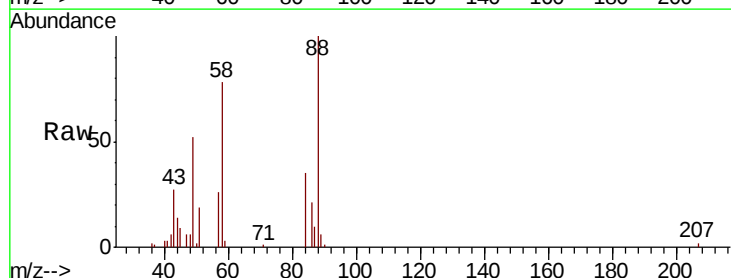
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
 Concen: 10.671 ng
 RT: 3.48 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.9	76.2	114.2
43	31.9	27.2	40.8

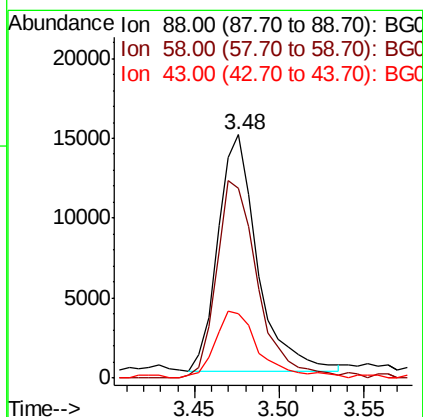
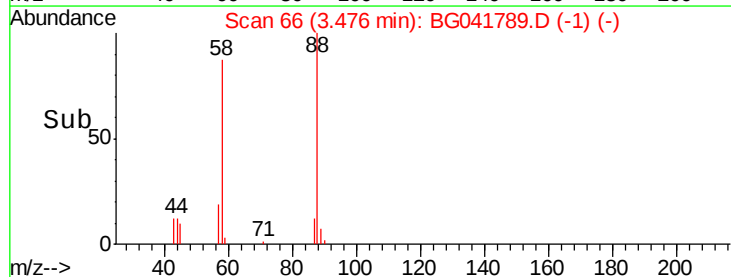


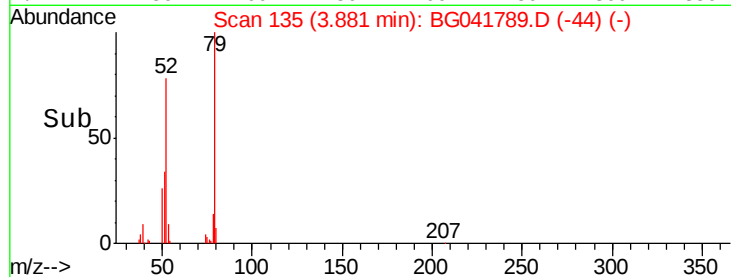
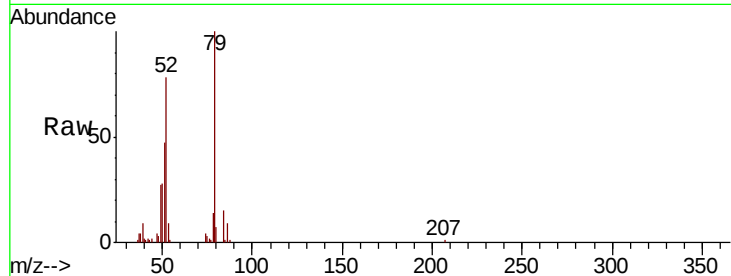
Abundance

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: 7.954 ng

RT: 3.88 min Scan# 135

Delta R.T. 0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

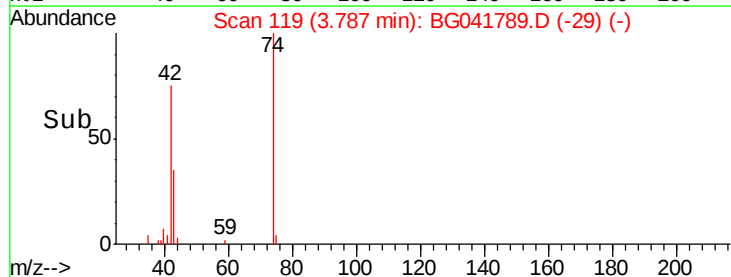
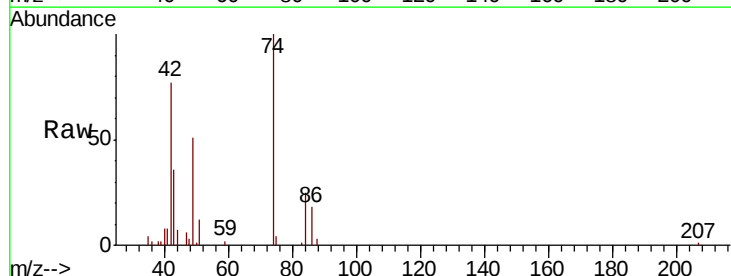
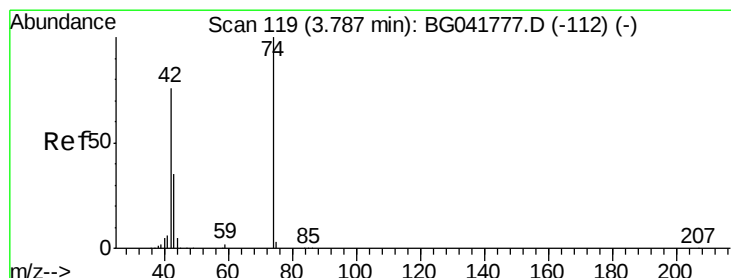
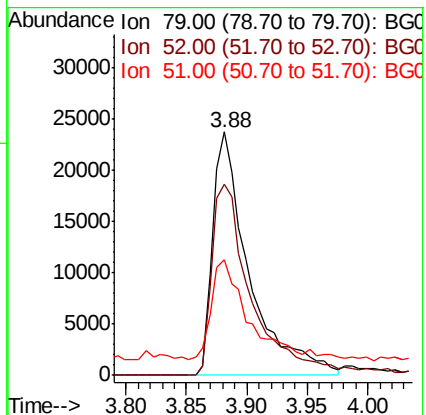
Tot Ion: 79 Resp: 49151

Ion Ratio Lower Upper

79 100

52 78.3 77.1 115.7

51 47.3 37.8 56.8



#4

n-Nitrosodimethylamine

Concen: 8.865 ng

RT: 3.79 min Scan# 119

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

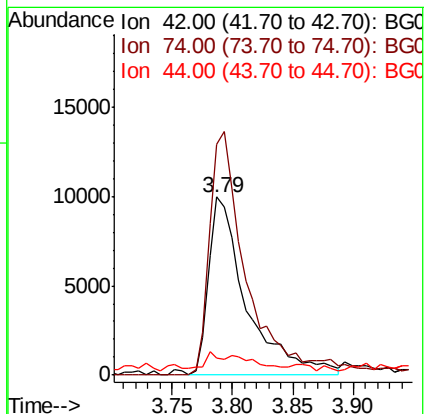
Tgt Ion: 42 Resp: 21718

Ion Ratio Lower Upper

42 100

74 129.6 97.4 146.2

44 9.3 6.6 9.8





#5

2-Fluorophenol

Concen: 122.589 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

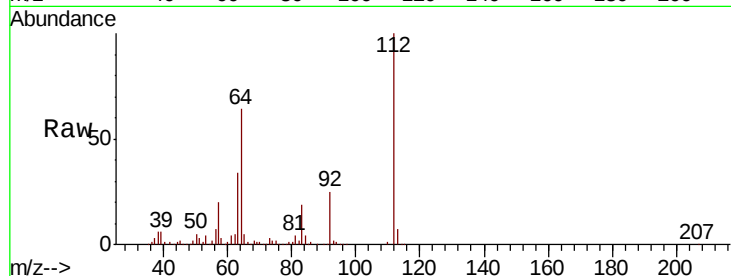
Tot Ion:112 Resp: 586949

Ion Ratio Lower Upper

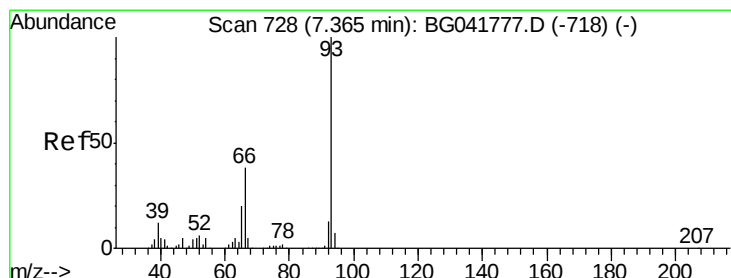
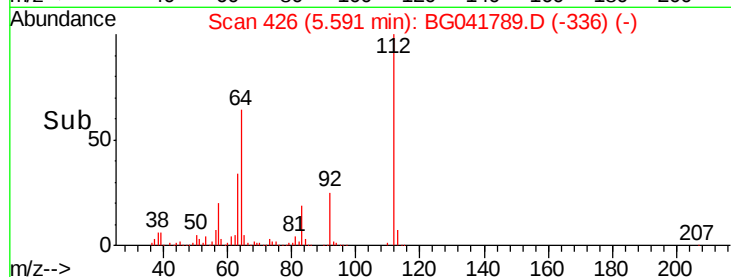
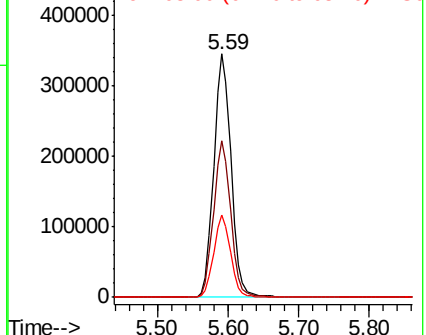
112 100

64 64.5 55.4 83.2

63 34.0 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: 9.497 ng

RT: 7.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

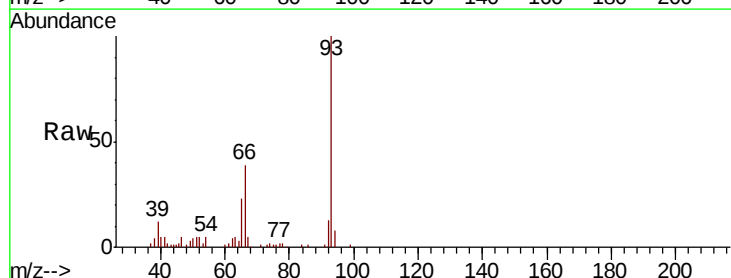
Tgt Ion: 93 Resp: 86318

Ion Ratio Lower Upper

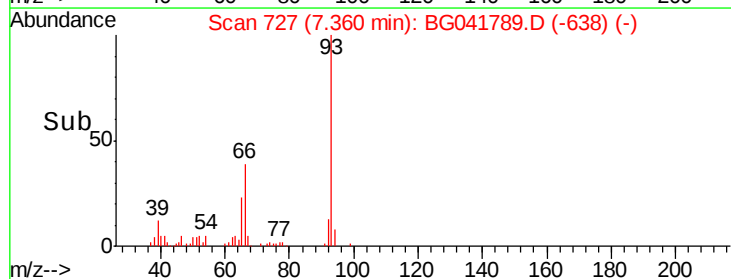
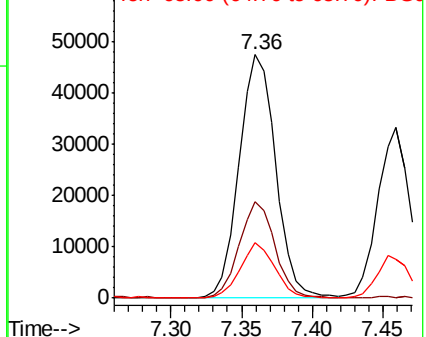
93 100

66 39.4 34.2 51.2

65 22.6 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: 120.700 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

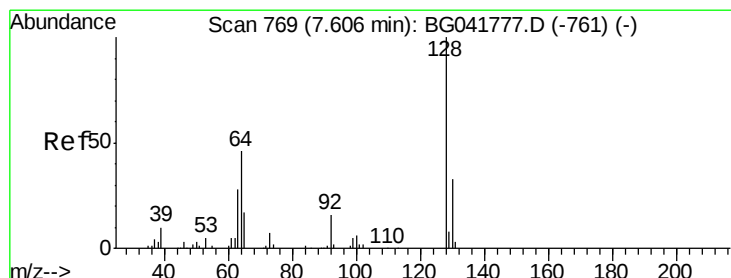
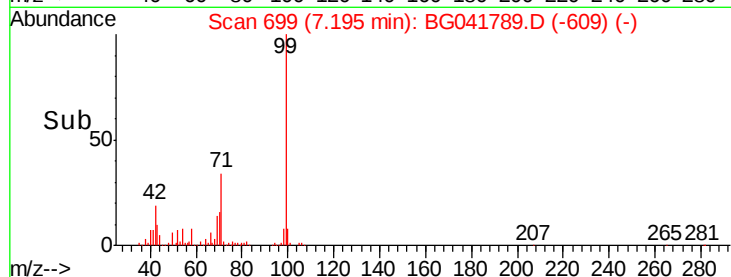
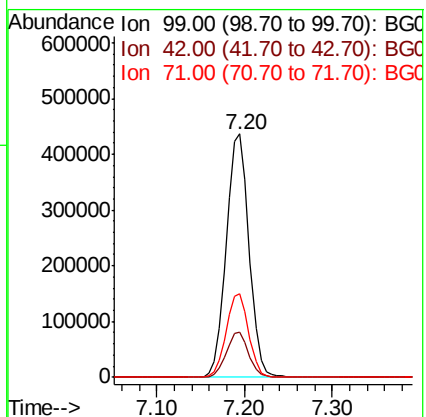
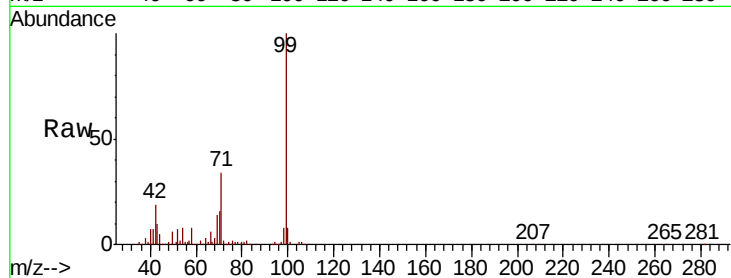
Tot Ion: 99 Resp: 779104

Ion Ratio Lower Upper

99 100

42 18.5 17.6 26.4

71 34.3 27.8 41.6



#8

2-Chlorophenol

Concen: 10.060 ng

RT: 7.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

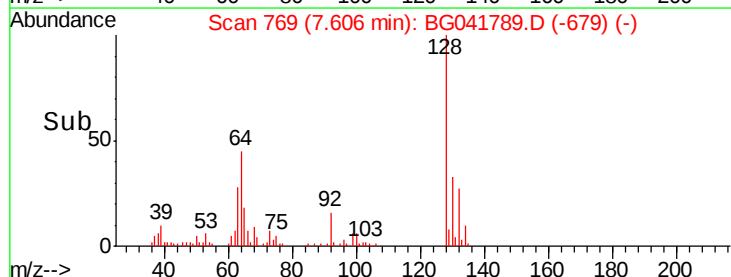
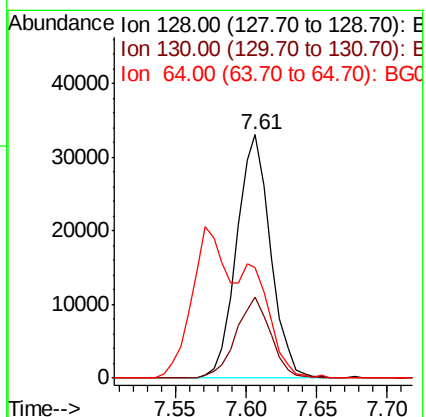
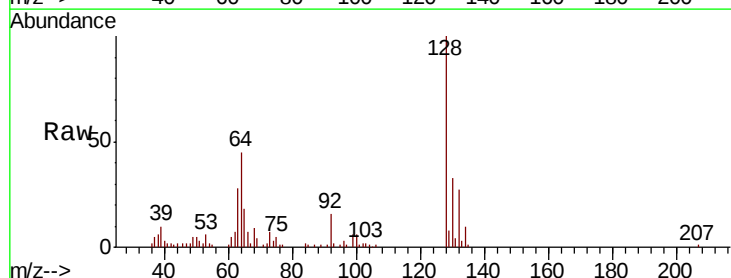
Tgt Ion: 128 Resp: 55156

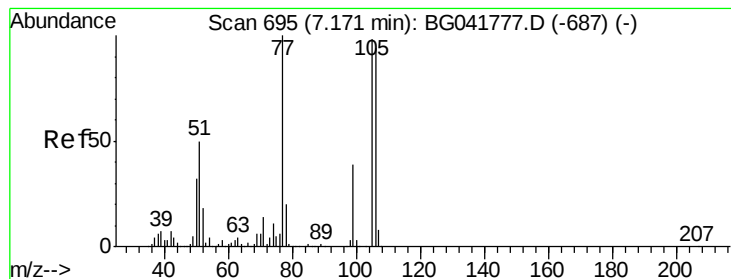
Ion Ratio Lower Upper

128 100

130 33.5 12.4 52.4

64 45.3 34.9 74.9





#9

Benzaldehyde

Concen: 10.702 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

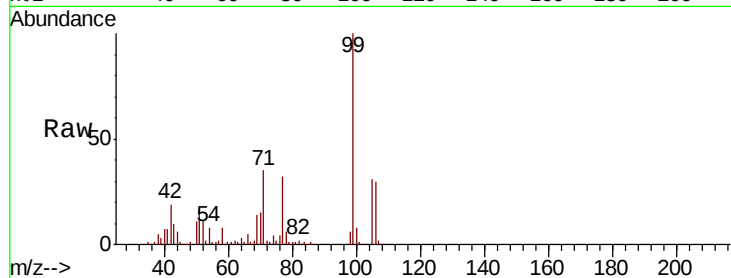
Tot Ion: 77 Resp: 48610

Ion Ratio Lower Upper

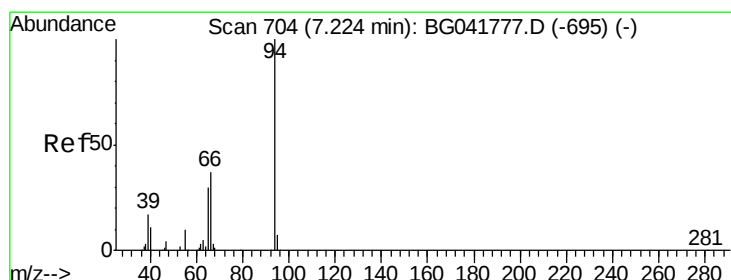
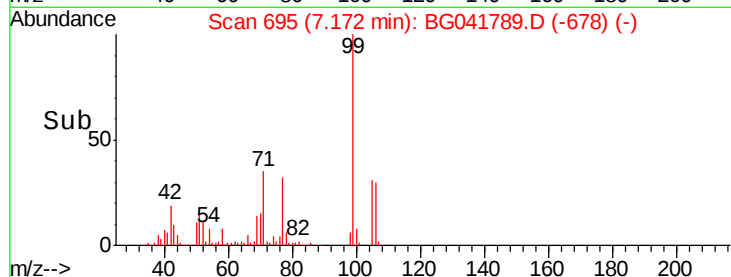
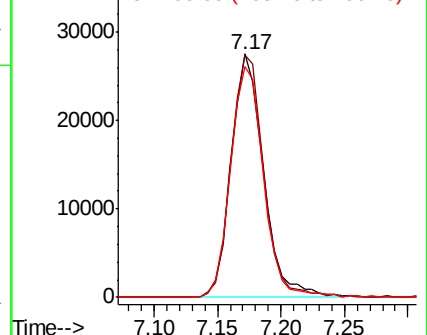
77 100

105 99.4 74.6 114.6

106 94.7 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: 10.056 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

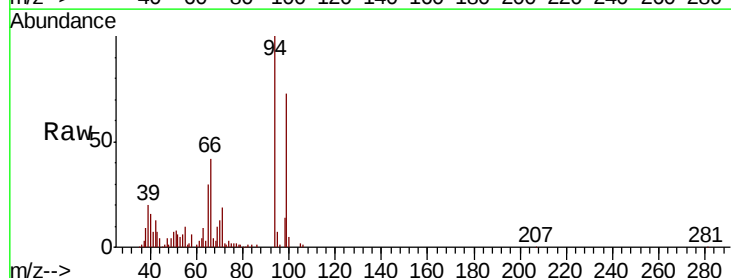
Tgt Ion: 94 Resp: 67531

Ion Ratio Lower Upper

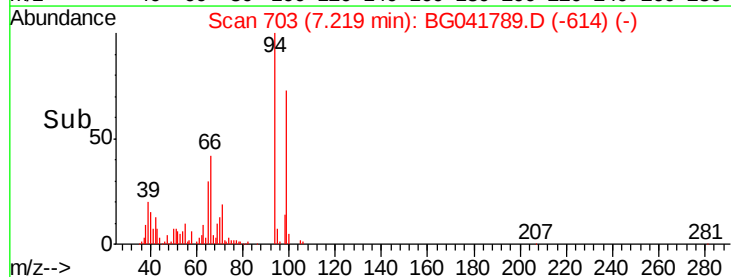
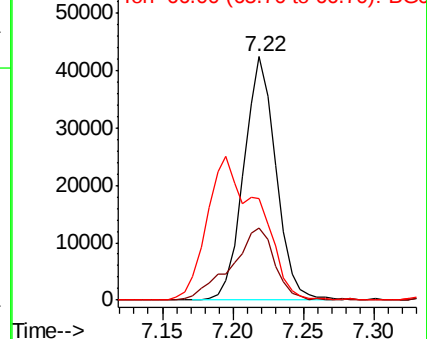
94 100

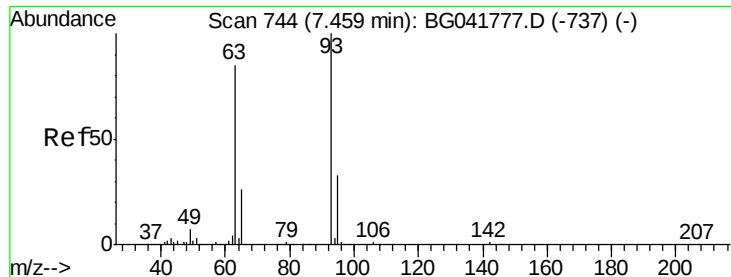
65 29.8 10.6 50.6

66 41.8 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

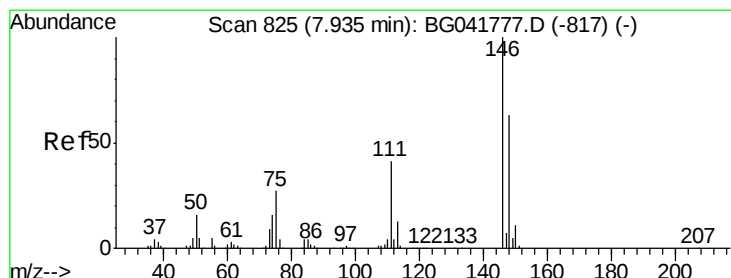
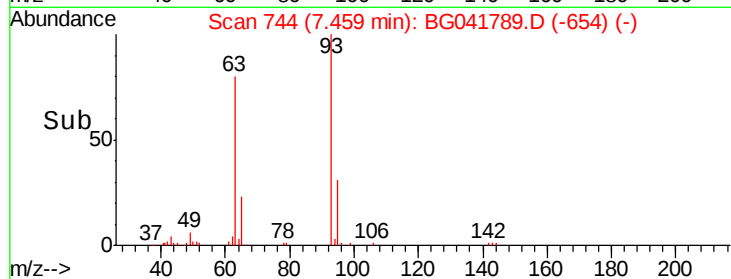
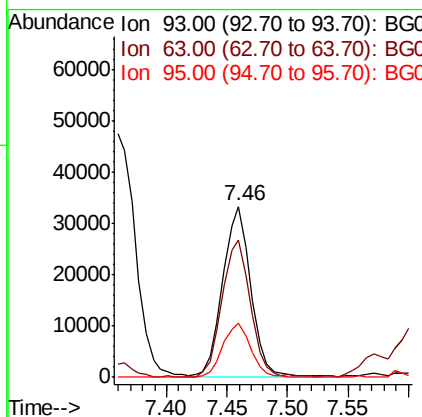
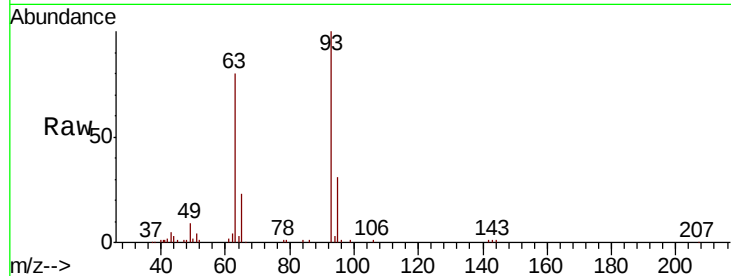




#11
 bis(2-Chloroethyl)ether
 Concen: 9.830 ng
 RT: 7.46 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

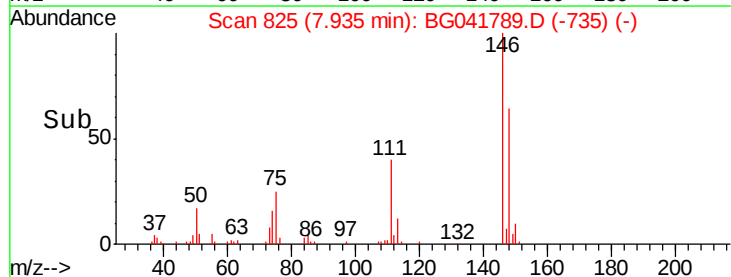
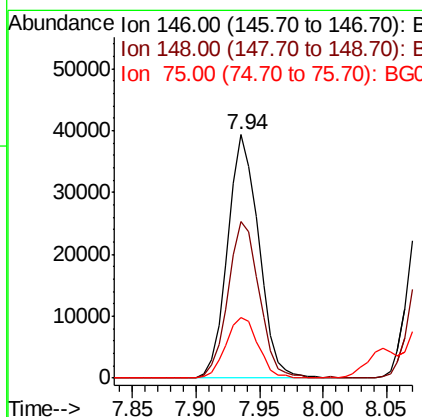
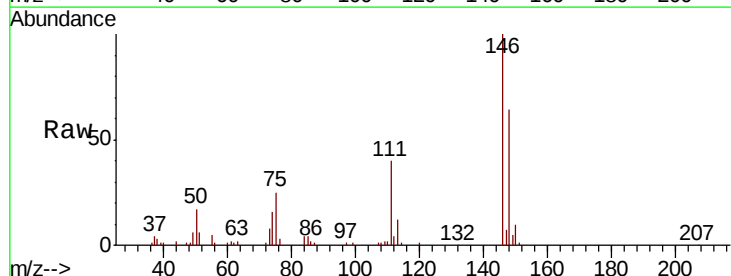
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

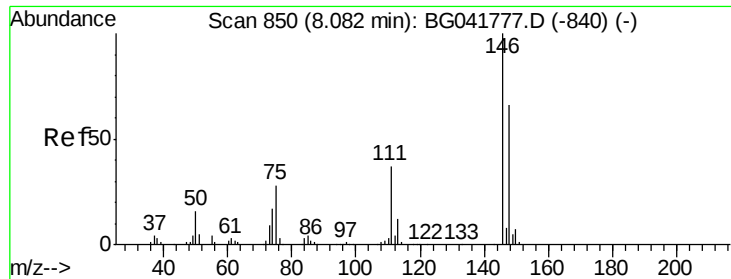
Tot Ion	93	Resp	54268
Ion Ratio	Lower	Upper	
93	100		
63	80.5	70.4	110.4
95	31.3	12.8	52.8



#12
 1,3-Dichlorobenzene
 Concen: 9.329 ng
 RT: 7.94 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion	146	Resp	66755
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.5	77.3
75	24.7	23.2	34.8

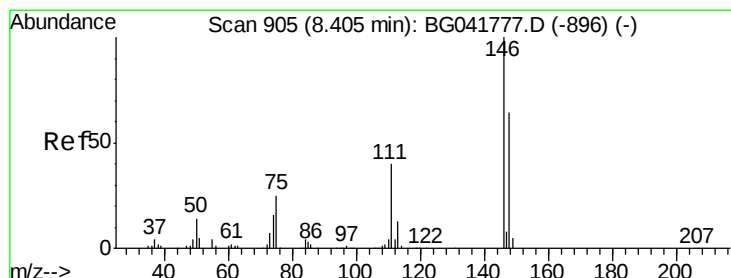
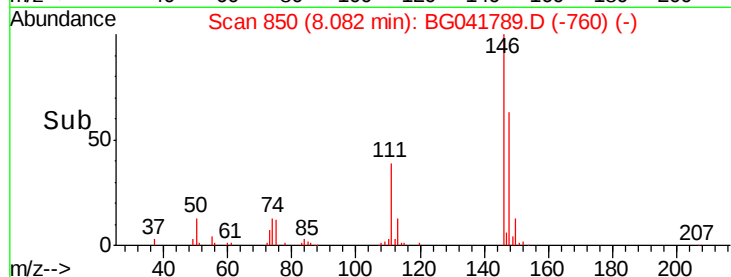
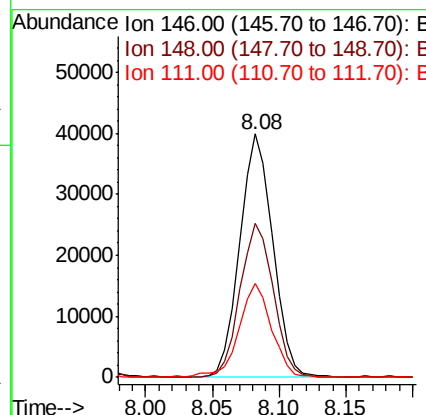
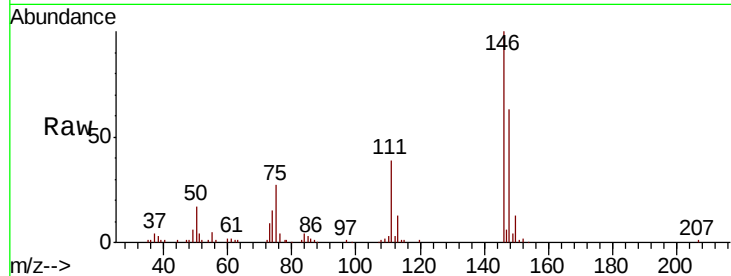




#13
 1,4-Dichlorobenzene
 Concen: 9.562 ng
 RT: 8.08 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

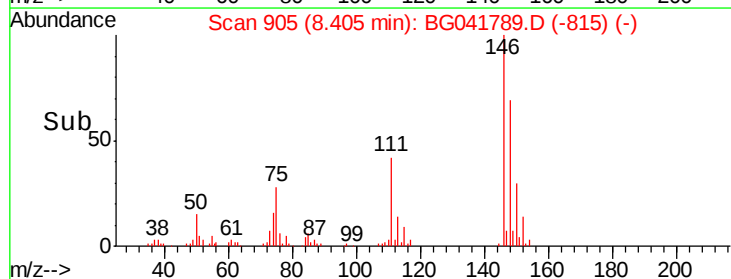
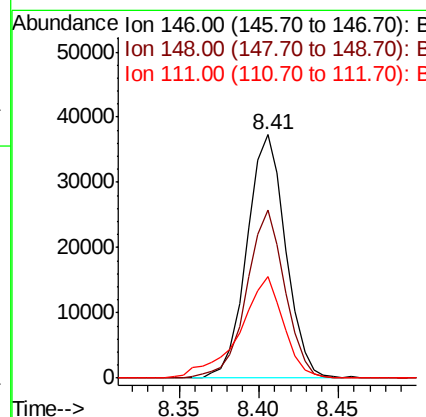
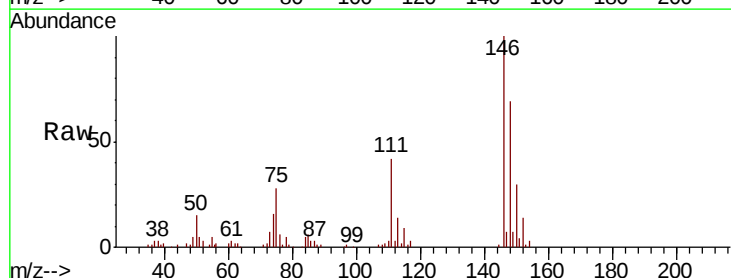
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

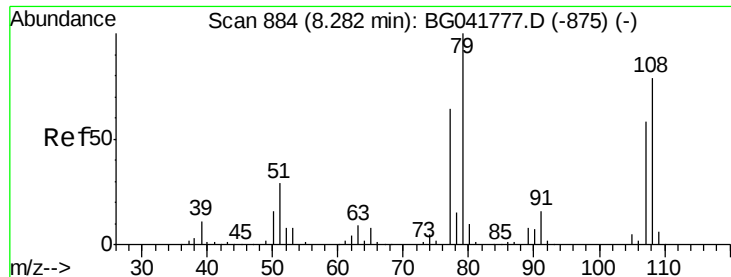
Tot Ion:146 Resp: 68464
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.6 79.0
 111 38.6 32.5 48.7



#14
 1,2-Dichlorobenzene
 Concen: 9.237 ng
 RT: 8.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion:146 Resp: 63108
 Ion Ratio Lower Upper
 146 100
 148 69.2 53.5 80.3
 111 41.7 35.4 53.0





#15

Benzyl Alcohol

Concen: 9.370 ng

RT: 8.28 min Scan# 884

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

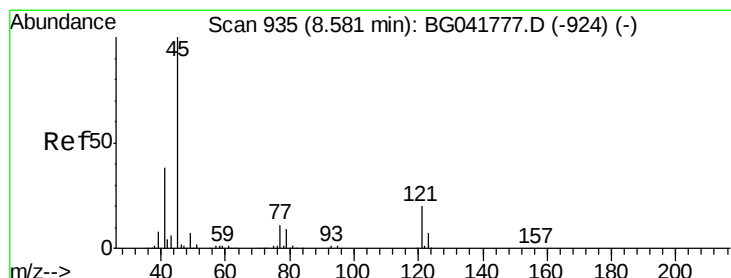
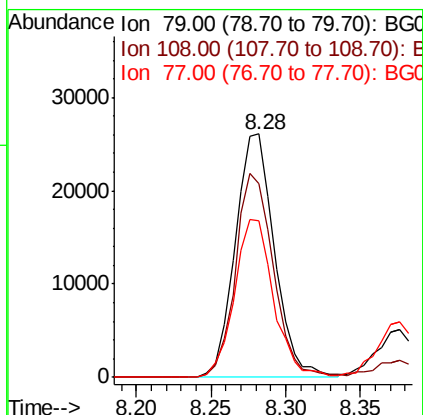
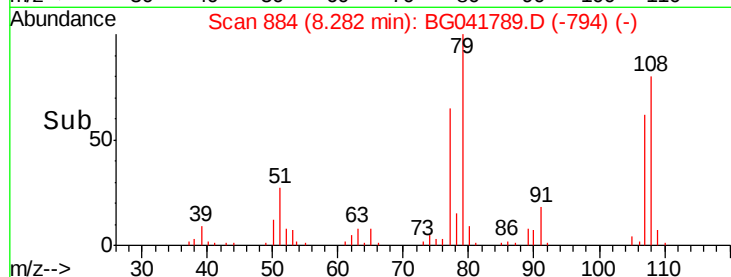
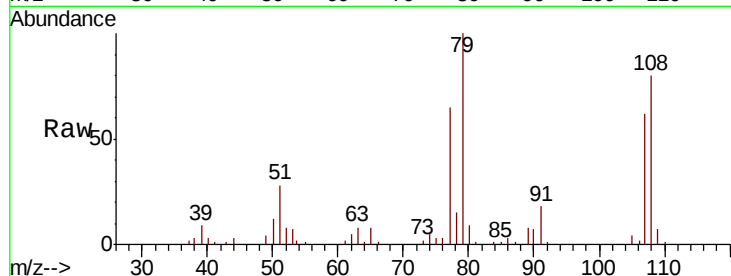
Tot Ion: 79 Resp: 47582

Ion Ratio Lower Upper

79 100

108 79.8 60.5 90.7

77 64.5 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.330 ng

RT: 8.58 min Scan# 935

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

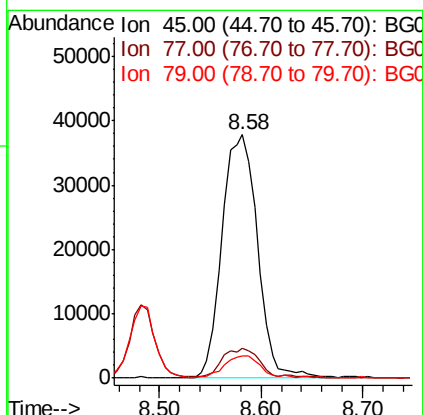
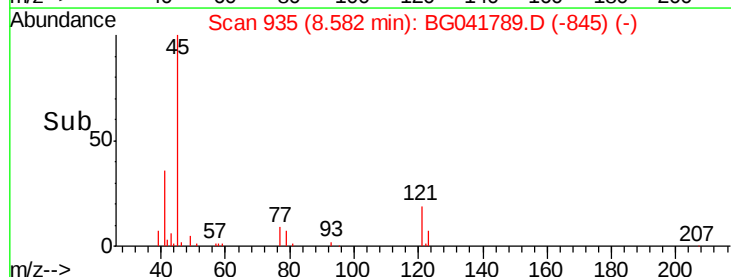
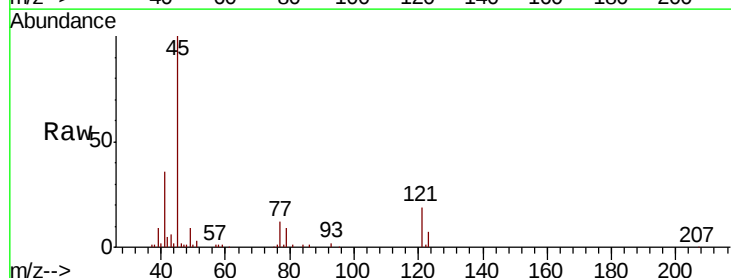
Tgt Ion: 45 Resp: 91639

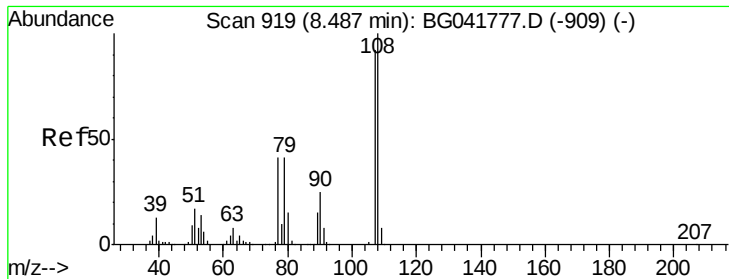
Ion Ratio Lower Upper

45 100

77 12.4 0.0 30.4

79 9.2 0.0 27.9





#17

2-Methylphenol

Concen: 9.677 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:107 Resp: 47259

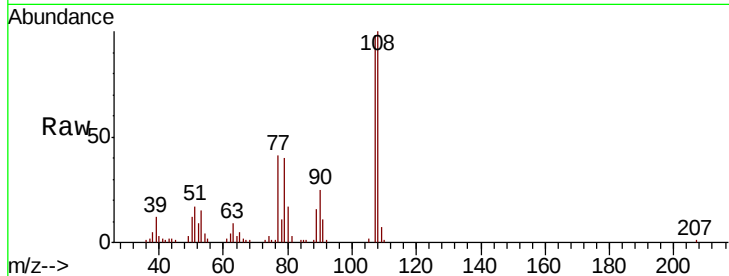
Ion Ratio Lower Upper

107 100

108 101.9 87.6 131.4

77 42.0 36.1 54.1

79 40.9 36.4 54.6

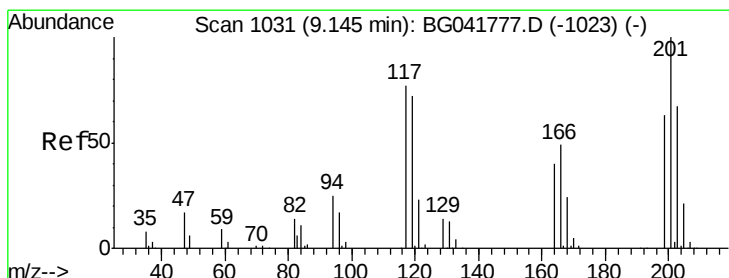
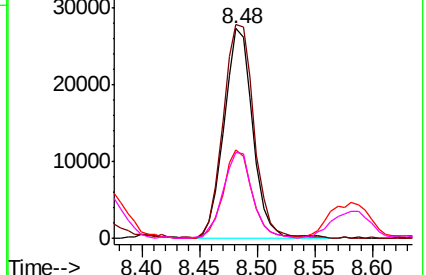
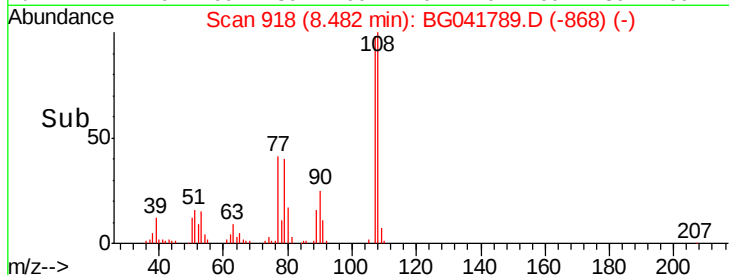


Abundance Ion 107.00 (106.70 to 107.70): E

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: 9.218 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

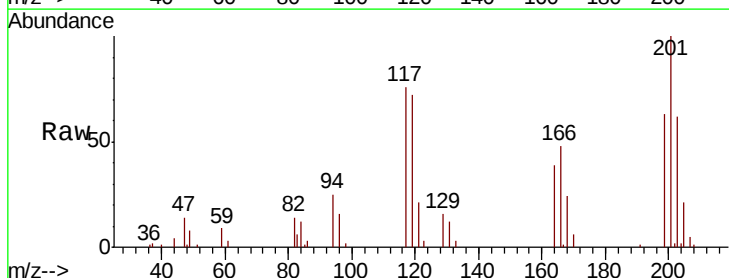
Tgt Ion:117 Resp: 22601

Ion Ratio Lower Upper

117 100

119 95.2 76.2 114.2

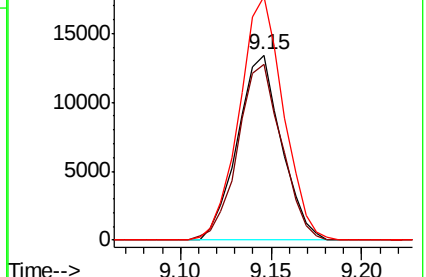
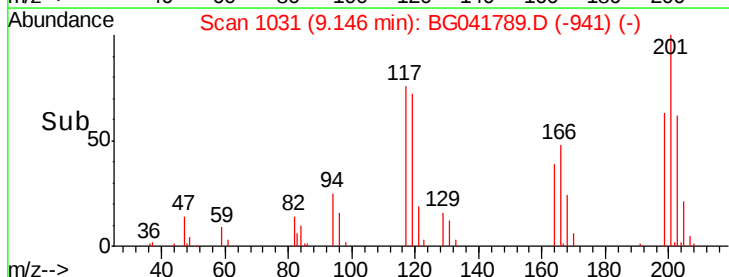
201 131.6 94.1 141.1

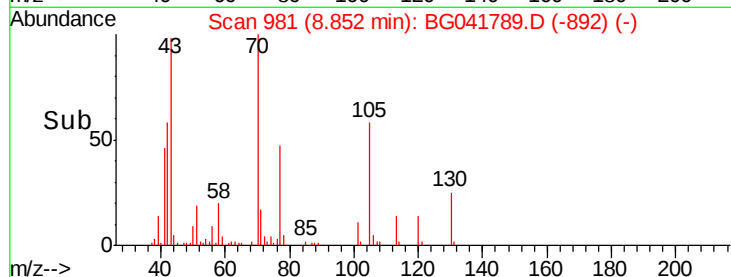
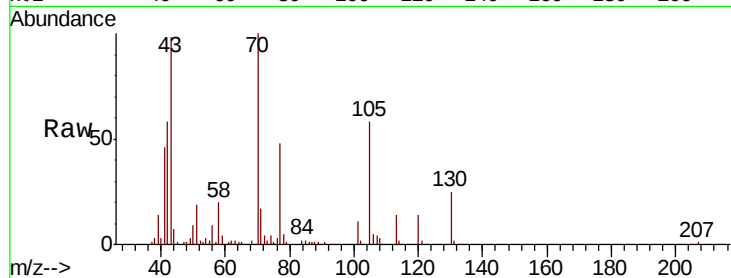
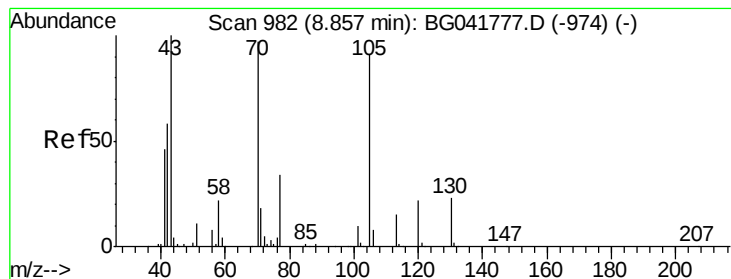


Abundance Ion 117.00 (116.70 to 117.70): E

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: 9.663 ng

RT: 8.85 min Scan# 981

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion: 70 Resp: 45286

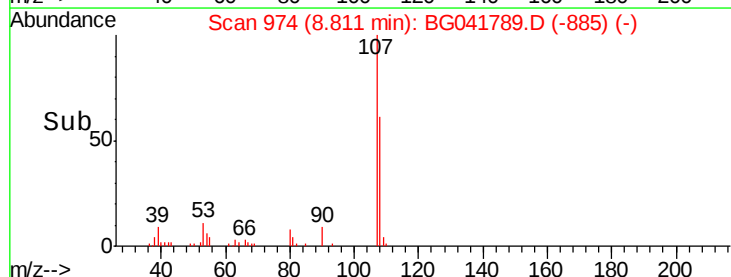
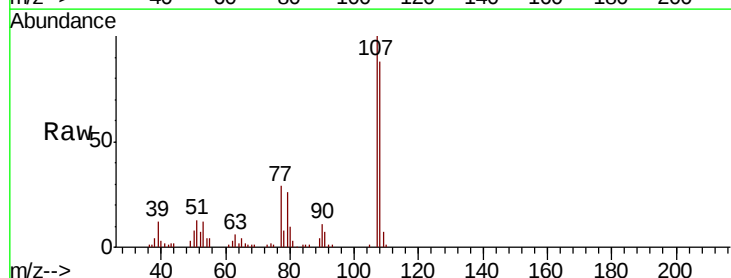
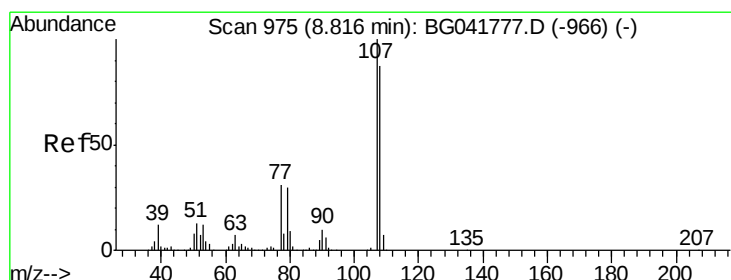
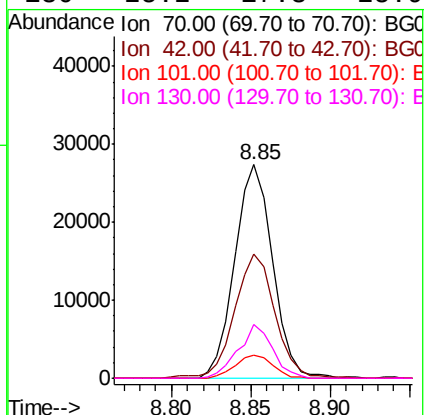
Ion Ratio Lower Upper

70 100

42 58.0 55.8 83.6

101 10.6 8.1 12.1

130 25.2 17.3 25.9



#20

3+4-Methylphenols

Concen: 9.628 ng

RT: 8.81 min Scan# 974

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion: 107 Resp: 64346

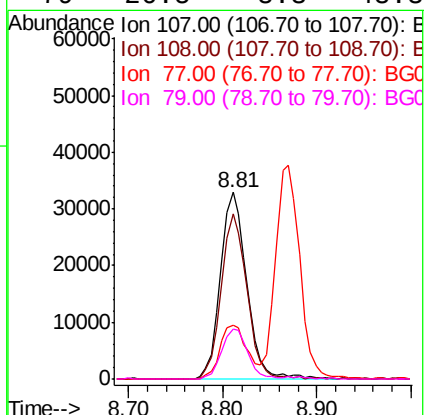
Ion Ratio Lower Upper

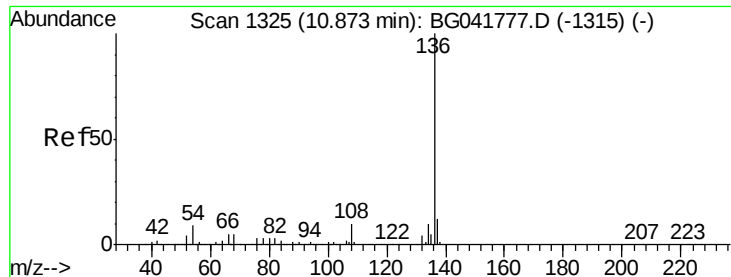
107 100

108 88.3 67.5 107.5

77 29.1 12.3 52.3

79 26.5 8.3 48.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:136 Resp: 397747

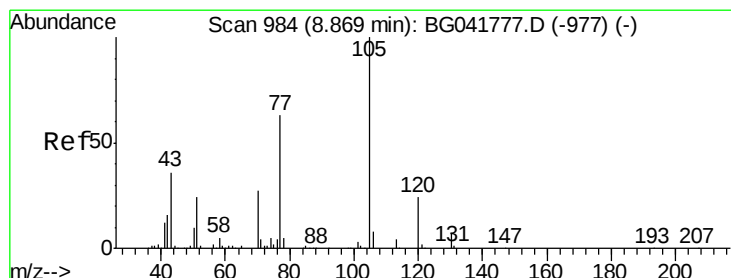
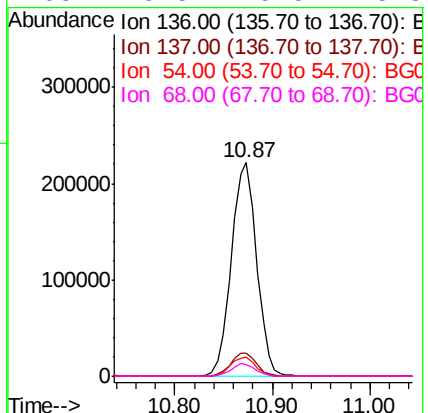
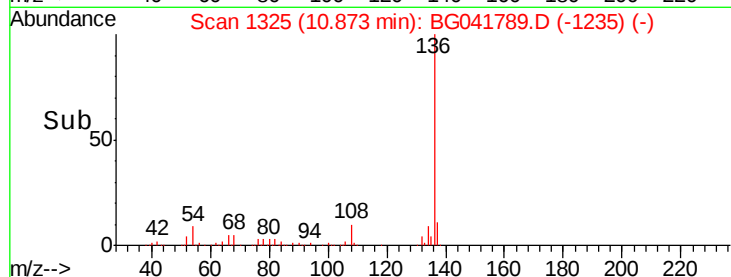
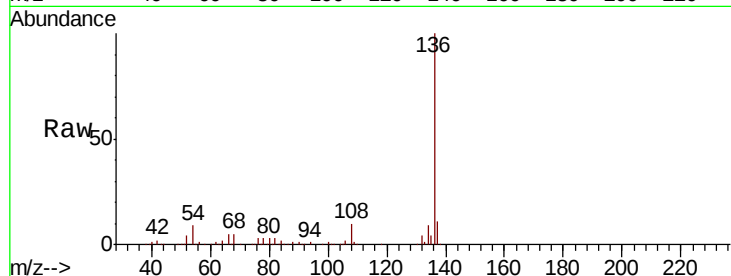
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.8 8.7 13.1

68 5.5 5.5 8.3#



#22

Acetophenone

Concen: 9.838 ng

RT: 8.87 min Scan# 984

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:105 Resp: 87528

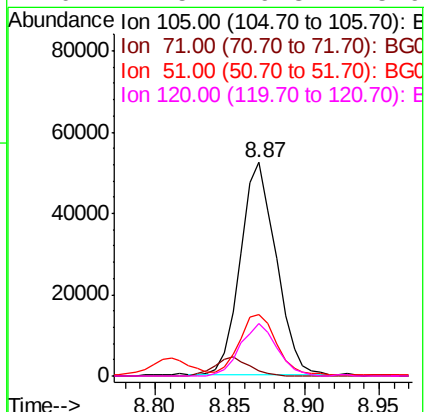
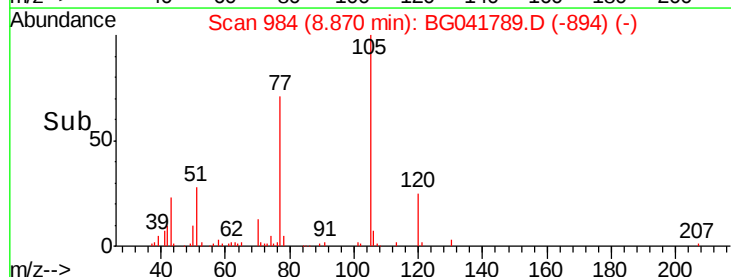
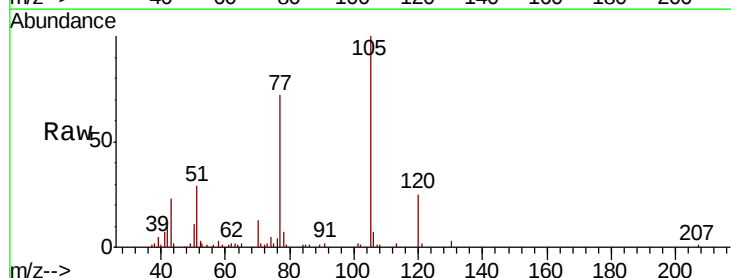
Ion Ratio Lower Upper

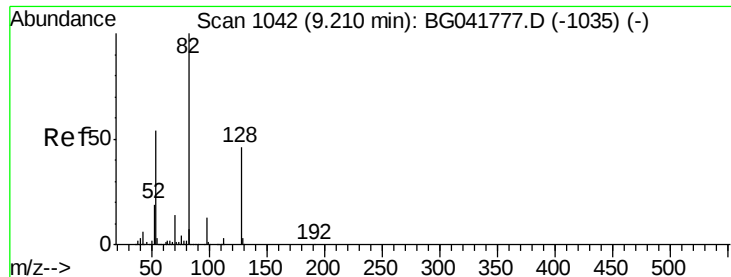
105 100

71 2.3 5.9 8.9#

51 29.0 27.7 41.5

120 24.5 19.3 28.9

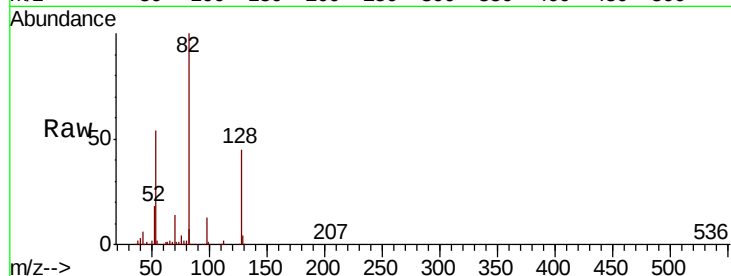




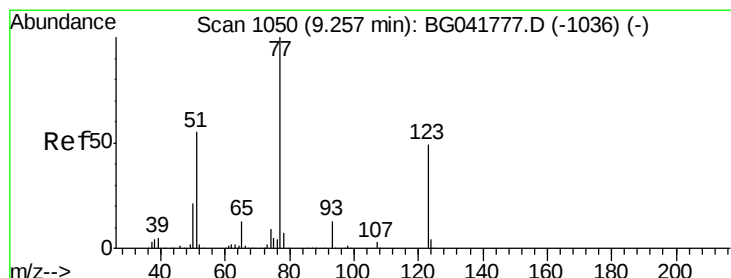
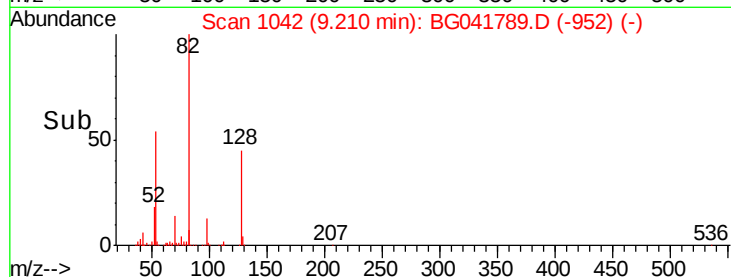
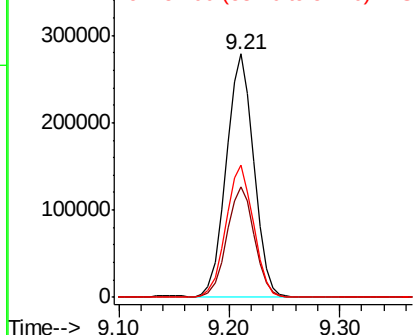
#23
 Nitrobenzene-d5
 Concen: 84.264 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	82	Resp	487031
Ion Ratio	Lower	Upper	
82	100		
128	45.5	35.1	52.7
54	54.2	48.7	73.1

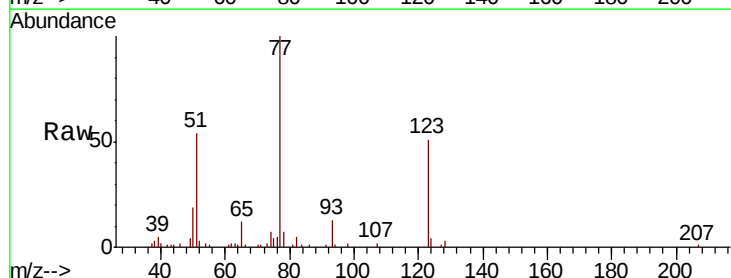


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

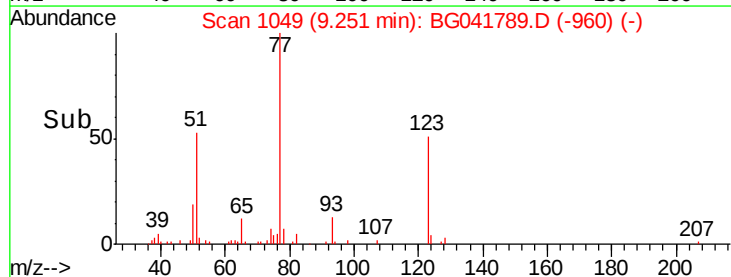
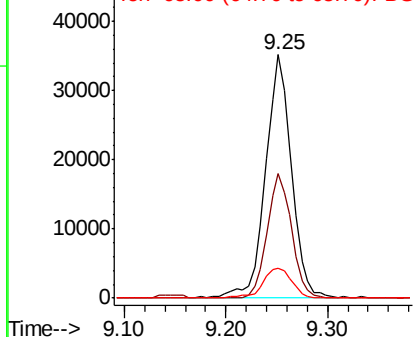


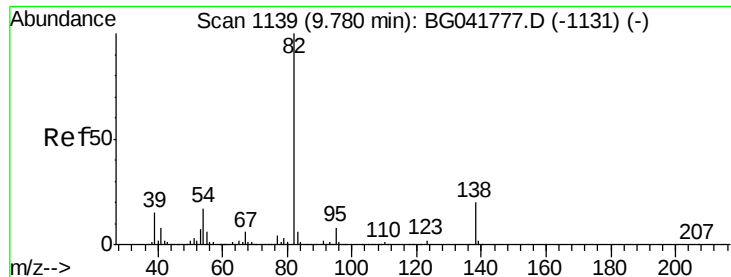
#24
 Nitrobenzene
 Concen: 10.363 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion	77	Resp	63099
Ion Ratio	Lower	Upper	
77	100		
123	51.2	38.1	57.1
65	12.2	11.0	16.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 10.050 ng

RT: 9.78 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

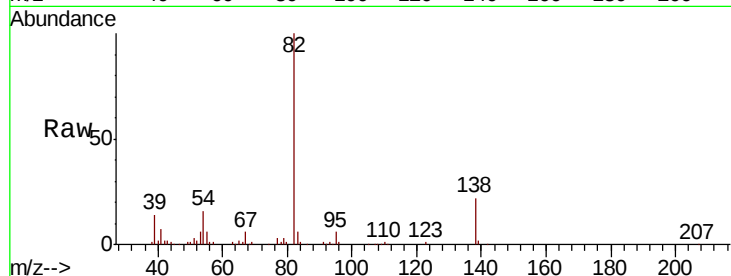
Tot Ion: 82 Resp: 126364

Ion Ratio Lower Upper

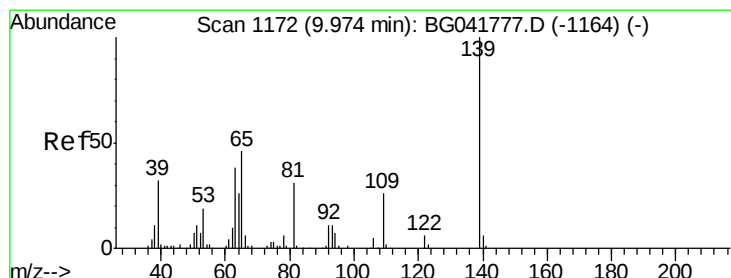
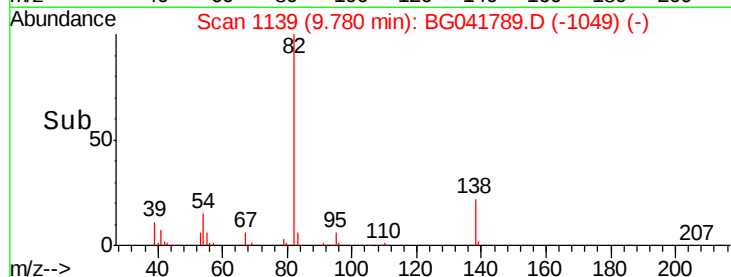
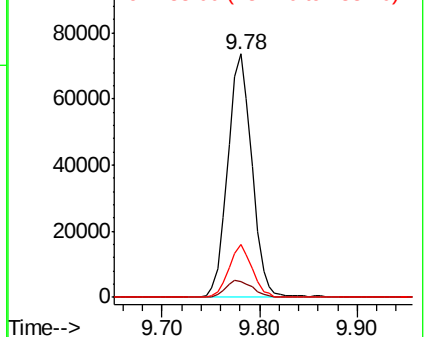
82 100

95 6.3 5.9 8.9

138 21.6 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: 9.719 ng

RT: 9.97 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

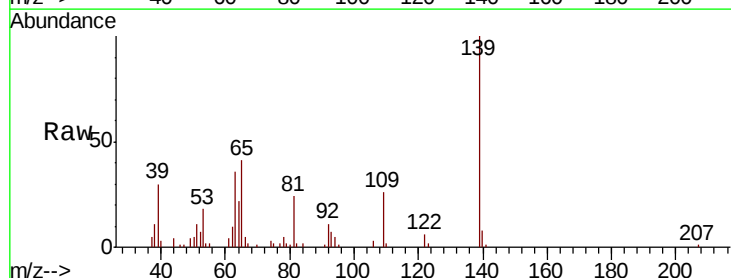
Tgt Ion: 139 Resp: 27467

Ion Ratio Lower Upper

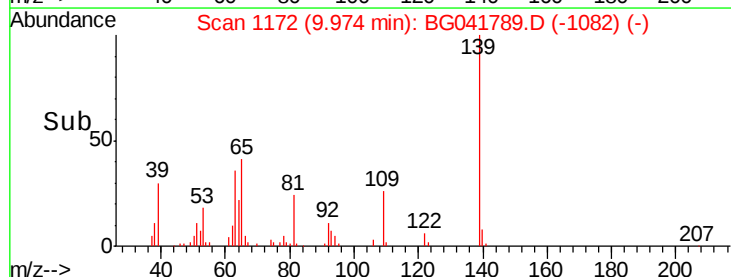
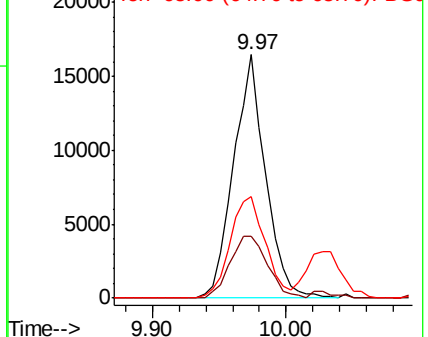
139 100

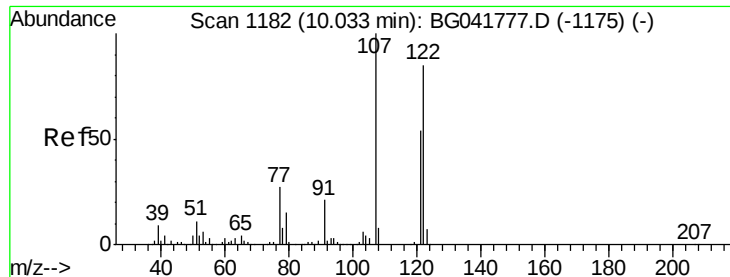
109 25.6 22.7 34.1

65 41.5 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

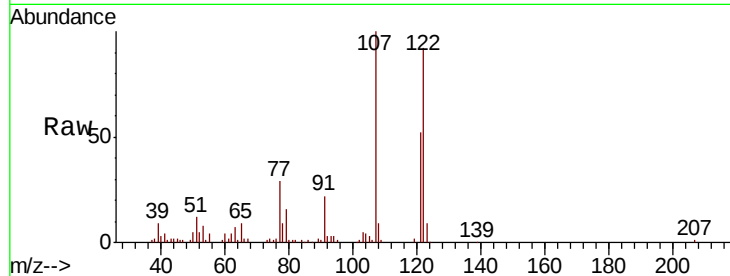




#27
2,4-Dimethylphenol
Concen: 11.083 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.7	91.3	136.9
121	56.6	49.2	73.8

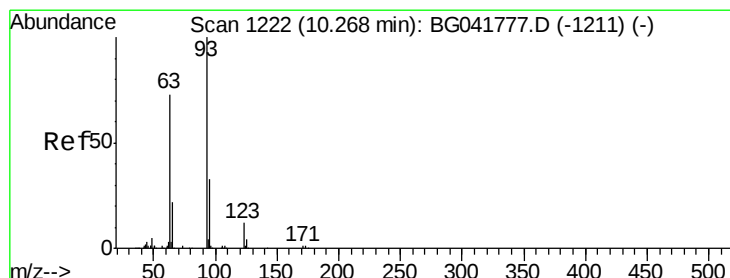
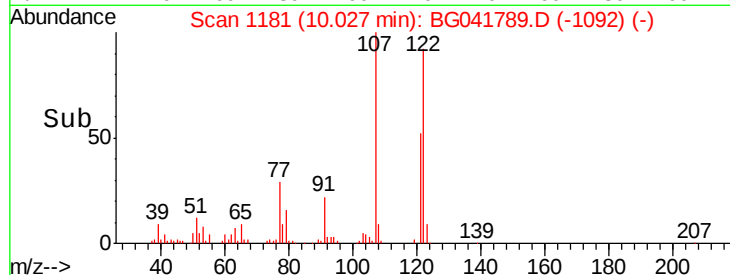
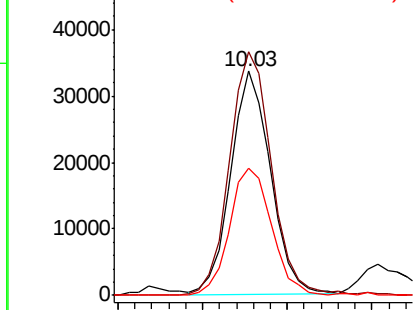


Abundance

Ion 122.00 (121.70 to 122.70): E

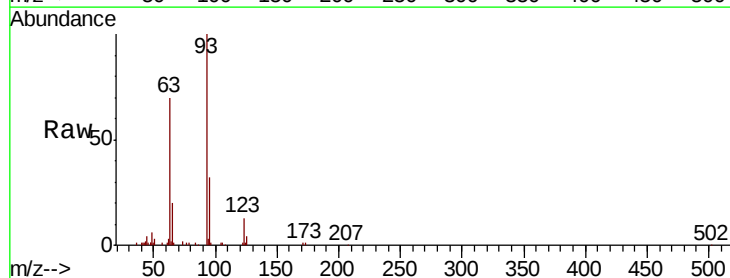
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 9.957 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	12.8	9.9	14.9

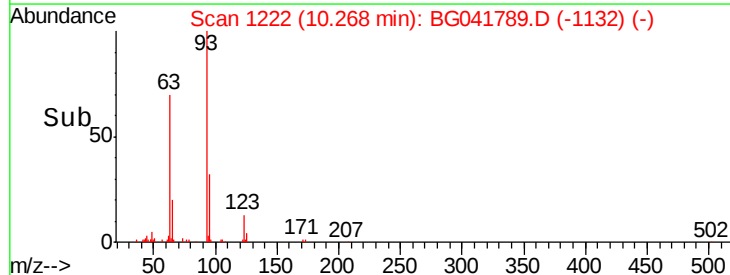
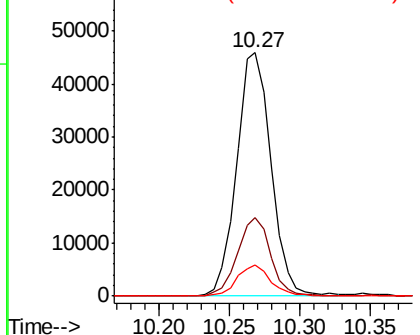


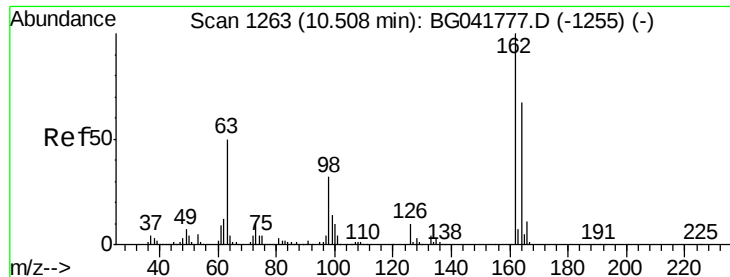
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

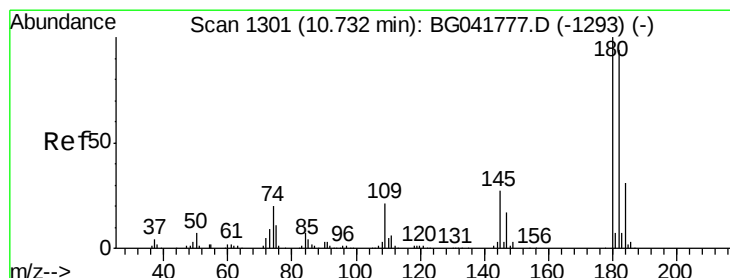
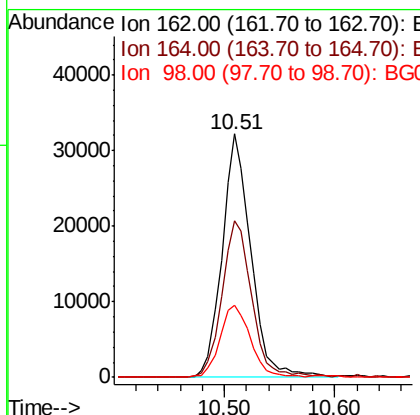
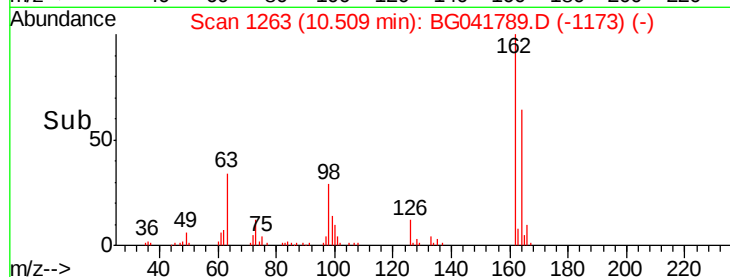
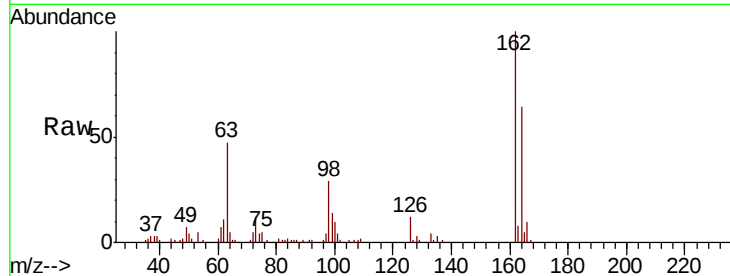




#29
 2,4-Dichlorophenol
 Concen: 9.621 ng
 RT: 10.51 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

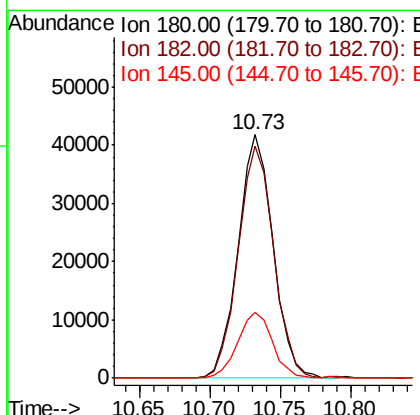
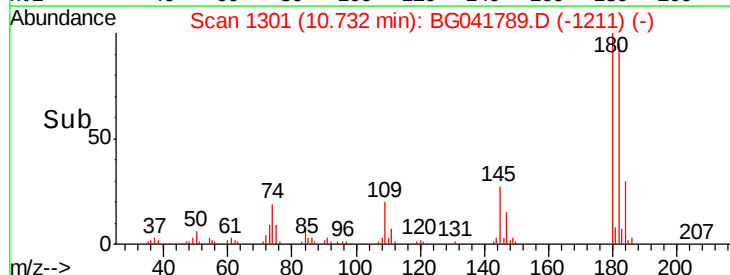
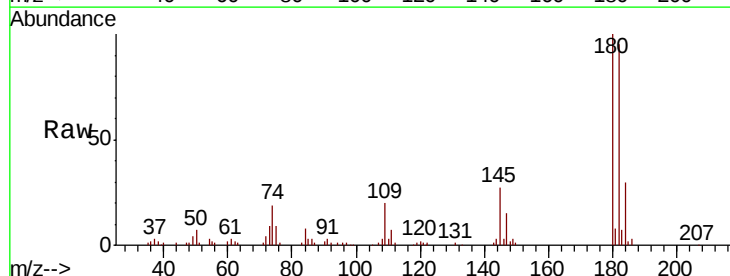
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

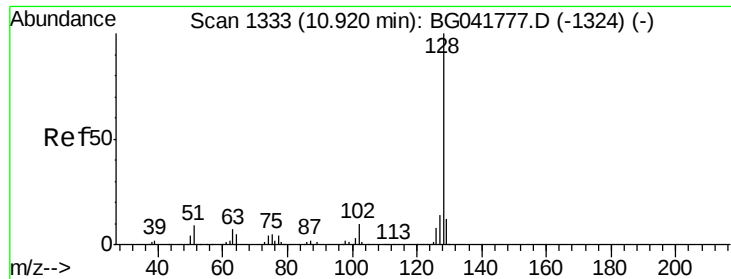
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.5	46.1	86.1
98	29.4	14.7	54.7



#30
 1,2,4-Trichlorobenzene
 Concen: 9.392 ng
 RT: 10.73 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
145	26.8	23.8	35.8





#31

Naphthalene

Concen: 10.262 ng

RT: 10.92 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

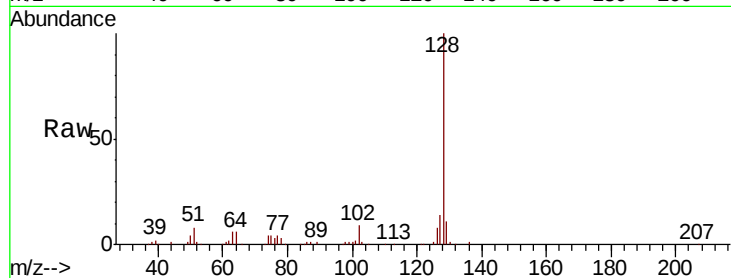
Tot Ion:128 Resp: 186805

Ion Ratio Lower Upper

128 100

129 10.8 10.0 15.0

127 13.9 12.3 18.5

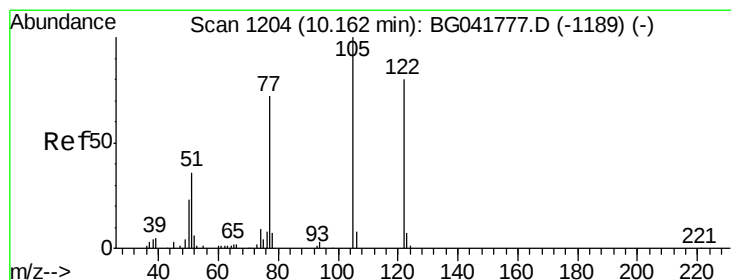
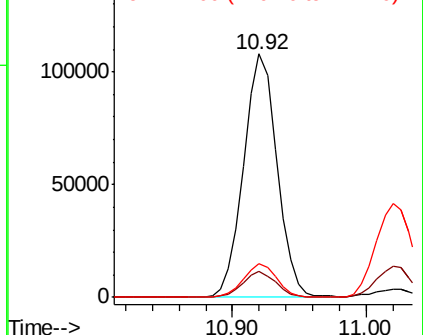
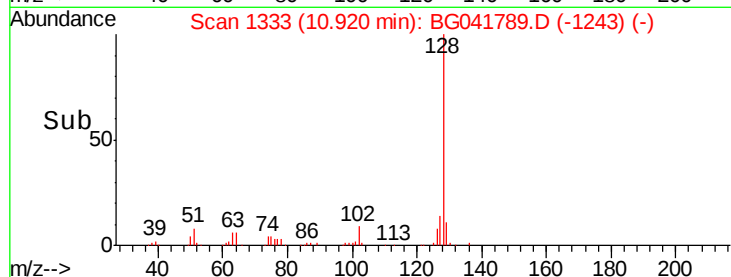


Abundance

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: 10.949 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.06 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

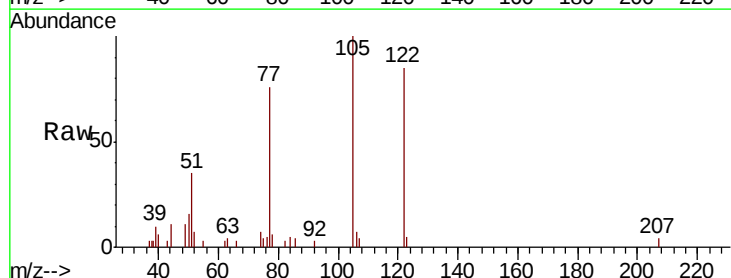
Tgt Ion:122 Resp: 9672

Ion Ratio Lower Upper

122 100

105 117.3 101.5 141.5

77 89.3 73.0 113.0

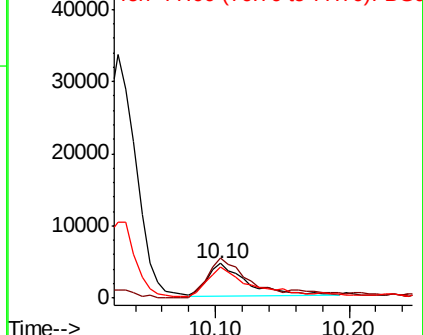
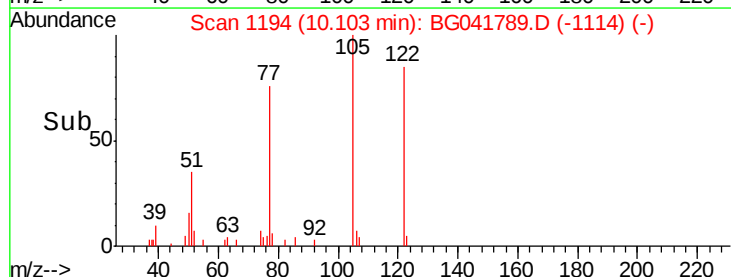


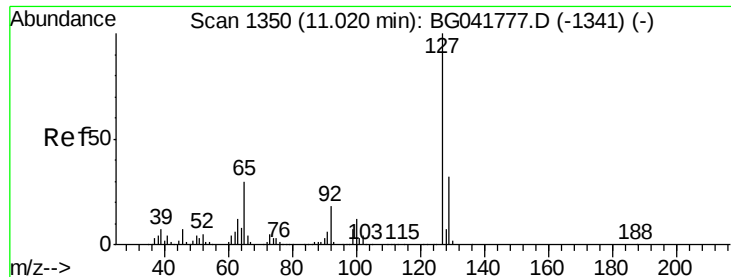
Abundance

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

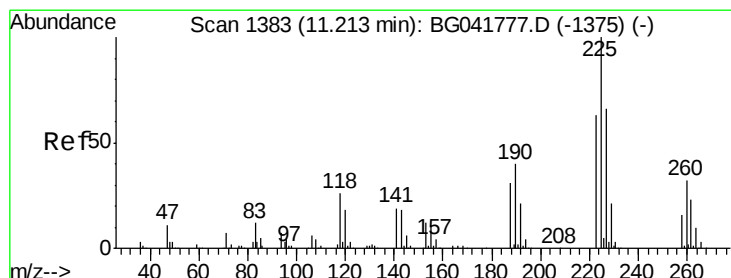
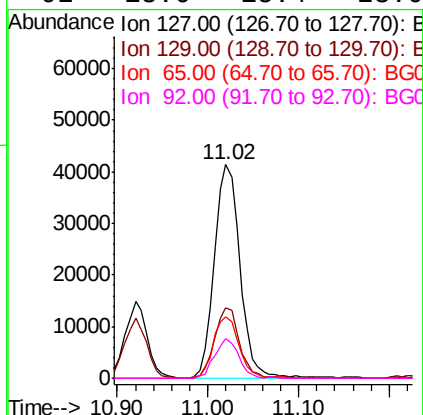
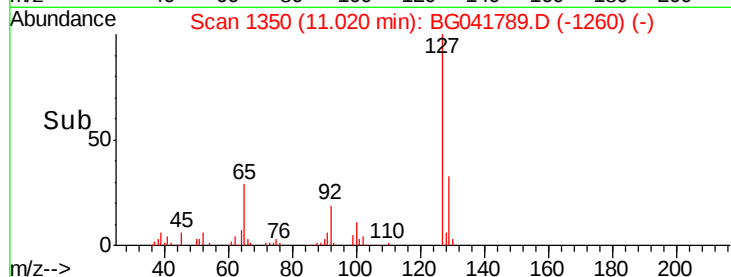
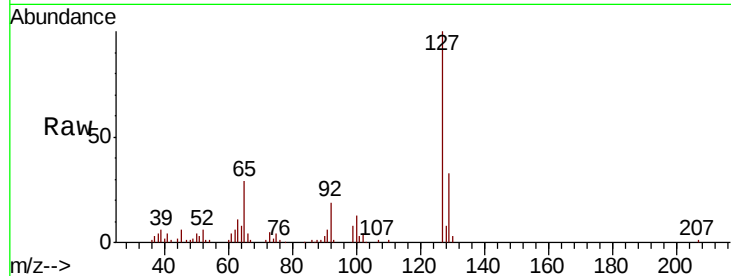




#33
4-Chloroaniline
Concen: 9.437 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

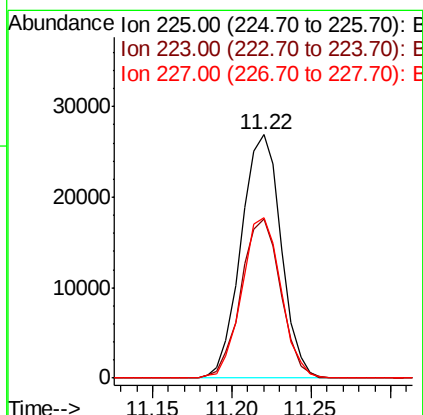
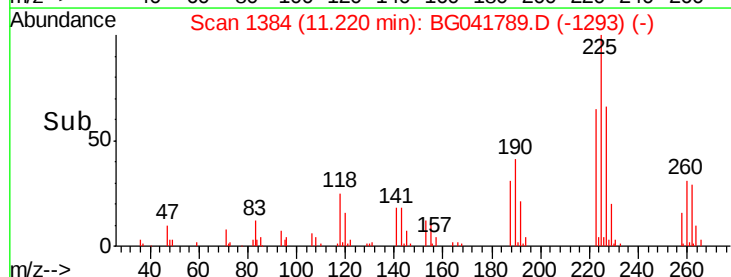
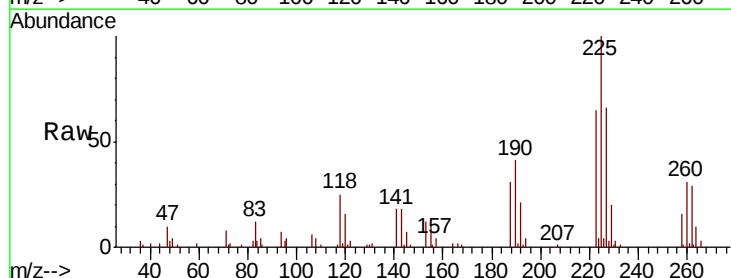
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

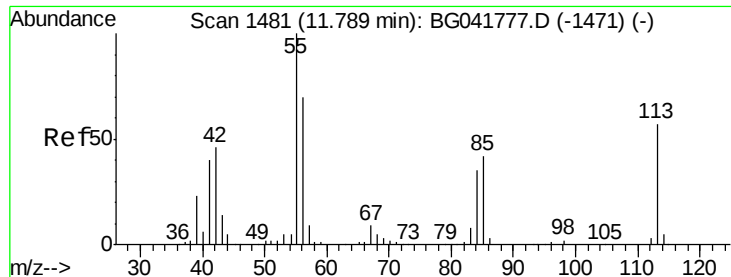
Tot Ion:	127	Resp:	81466
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.8
65	29.0	26.7	40.1
92	18.6	15.4	23.0



#34
Hexachlorobutadiene
Concen: 9.080 ng
RT: 11.22 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion:	225	Resp:	47202
Ion	Ratio	Lower	Upper
225	100		
223	65.3	51.1	76.7
227	65.8	50.9	76.3





#35

Caprolactam

Concen: 10.255 ng

RT: 11.77 min Scan# 1477

Delta R.T. -0.02 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

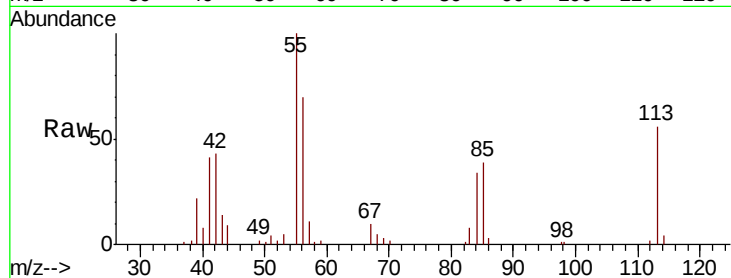
Tot Ion:113 Resp: 21646

Ion Ratio Lower Upper

113 100

55 179.0 199.4 239.4#

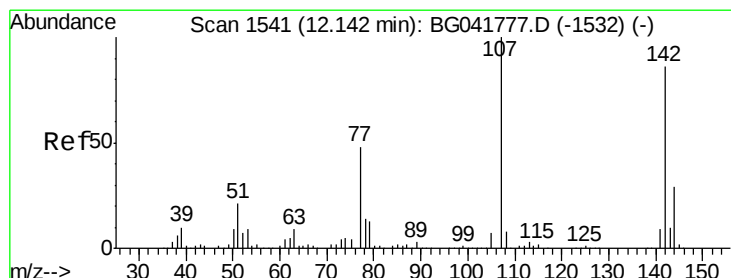
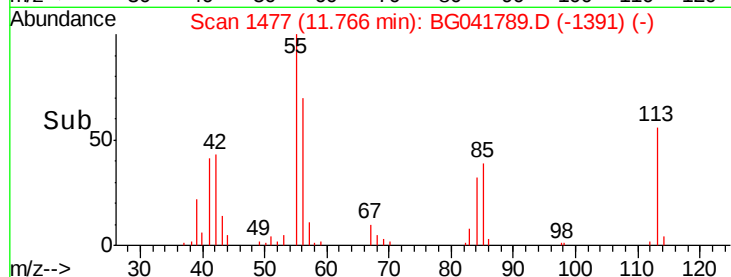
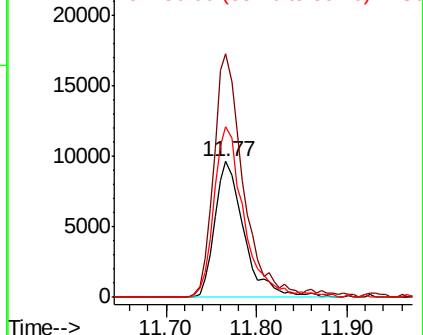
56 125.6 133.6 173.6#



Abundance Ion 113.00 (112.70 to 113.70): E

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

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



#36

4-Chloro-3-methylphenol

Concen: 9.964 ng

RT: 12.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

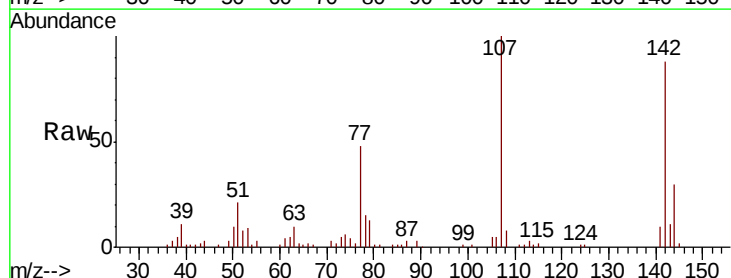
Tgt Ion:107 Resp: 60001

Ion Ratio Lower Upper

107 100

144 30.1 22.2 33.2

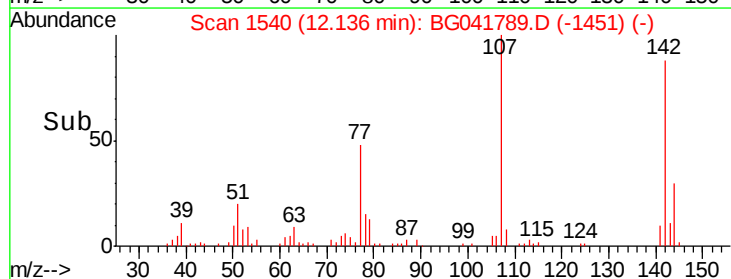
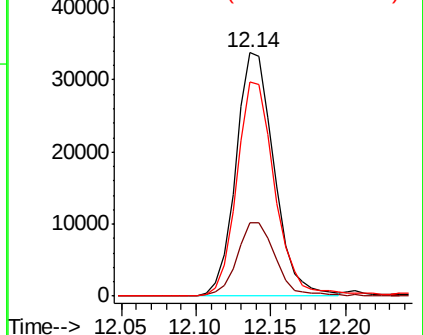
142 87.9 67.3 100.9

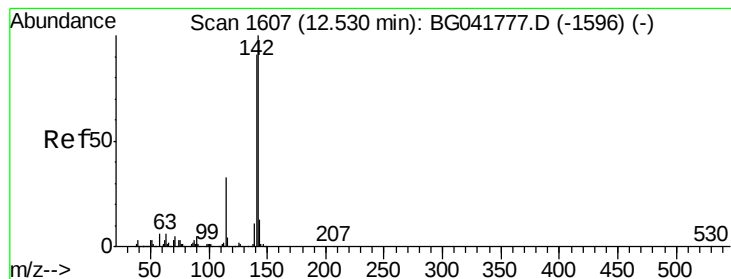


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 10.467 ng

RT: 12.53 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

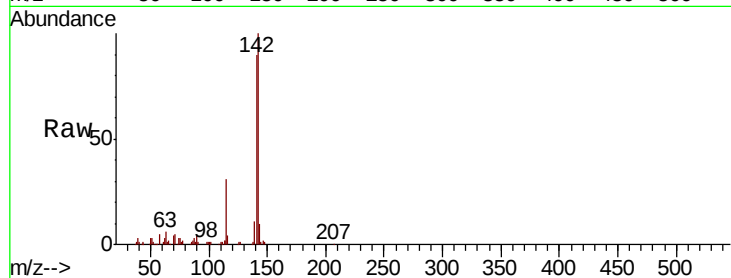
Tot Ion:142 Resp: 150819

Ion Ratio Lower Upper

142 100

141 89.5 72.7 109.1

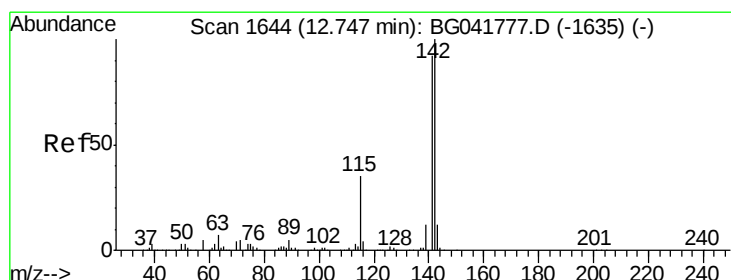
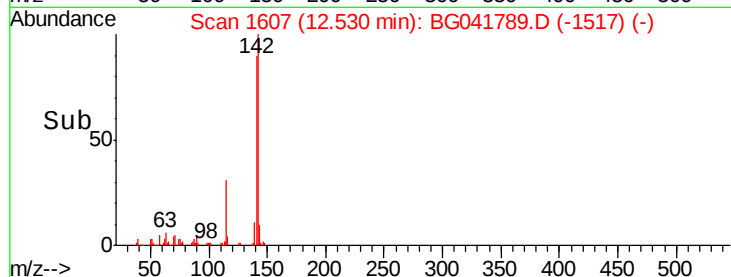
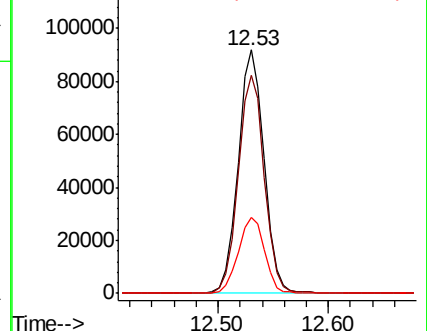
115 31.4 27.0 40.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 10.441 ng

RT: 12.75 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

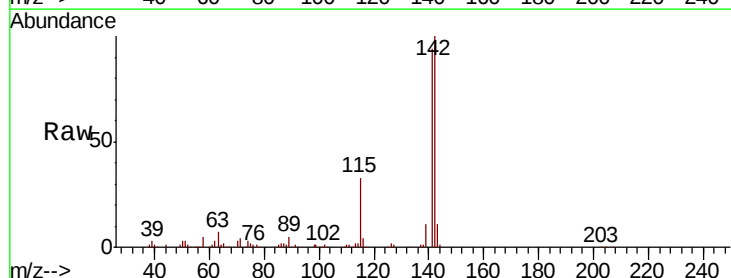
Tgt Ion:142 Resp: 142573

Ion Ratio Lower Upper

142 100

141 93.8 75.4 113.2

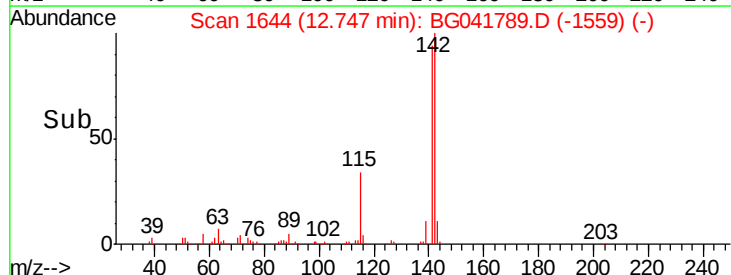
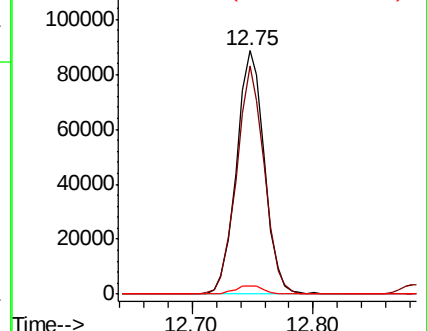
116 3.6 3.2 4.8

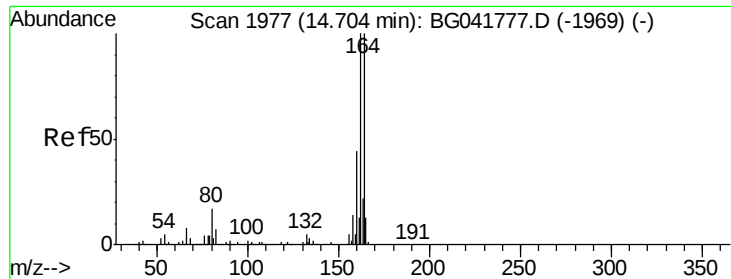


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

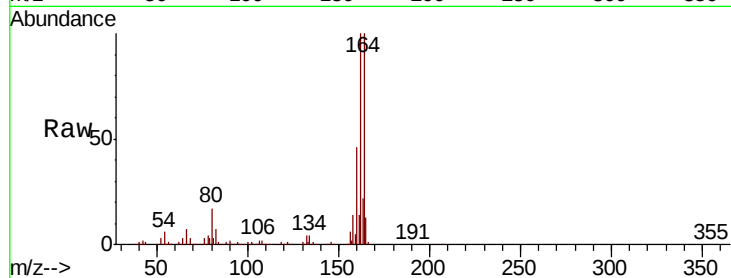
Tot Ion:164 Resp: 296300

Ion Ratio Lower Upper

164 100

162 99.6 79.6 119.4

160 46.2 35.4 53.0

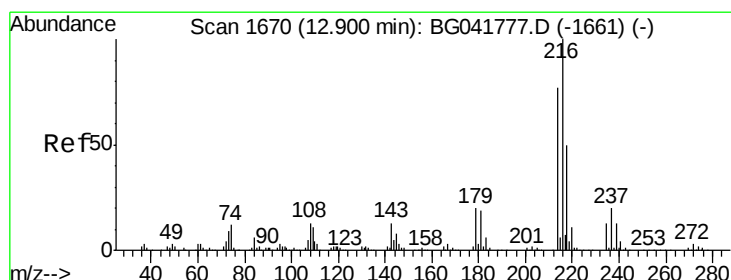
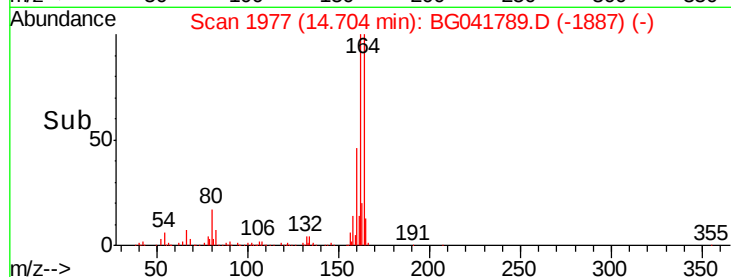
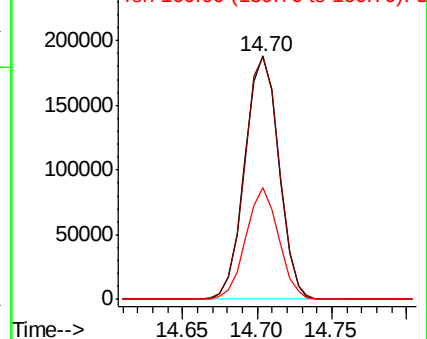


Abundance

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: 9.765 ng

RT: 12.90 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:216 Resp: 91591

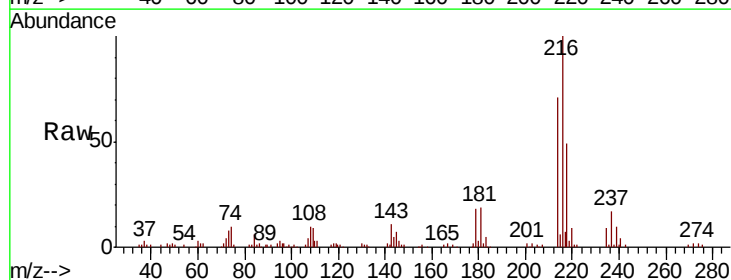
Ion Ratio Lower Upper

216 100

214 75.9 61.5 92.3

179 17.7 16.2 24.2

108 13.3 13.2 19.8



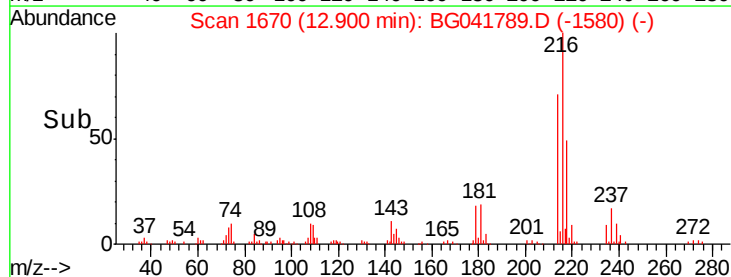
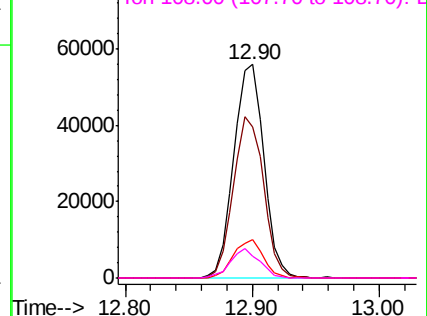
Abundance

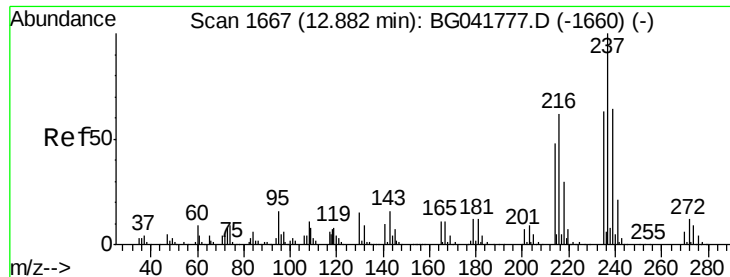
Ion 216.00 (215.70 to 216.70): E

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: 9.593 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

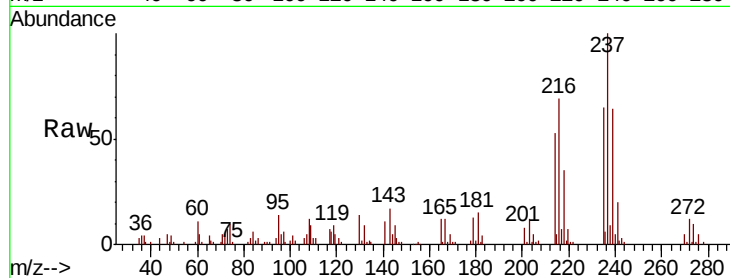
Tot Ion:237 Resp: 50587

Ion Ratio Lower Upper

237 100

235 65.4 43.5 83.5

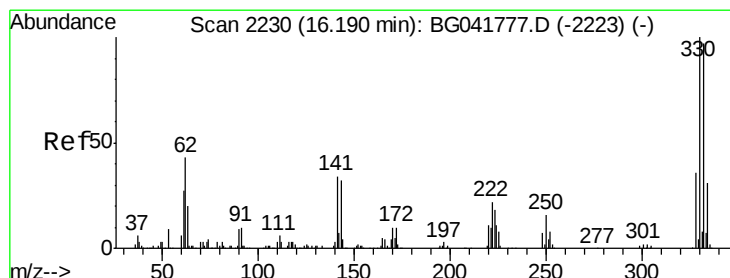
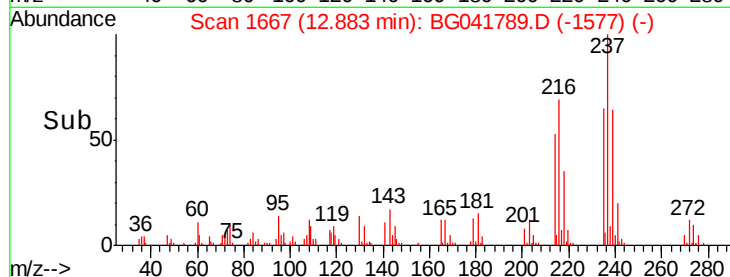
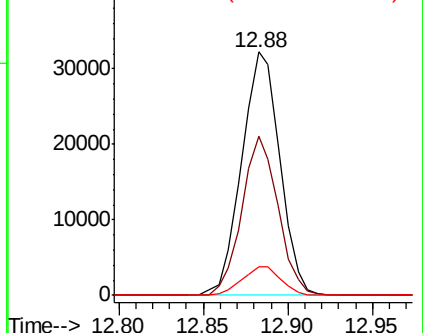
272 11.8 0.0 31.2



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: 127.726 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

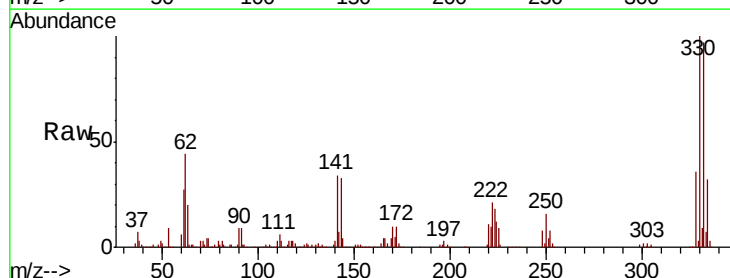
Tgt Ion:330 Resp: 429869

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

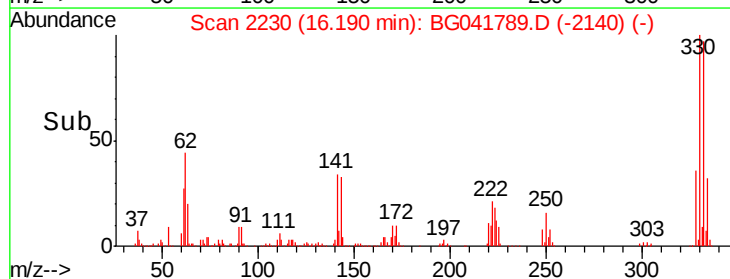
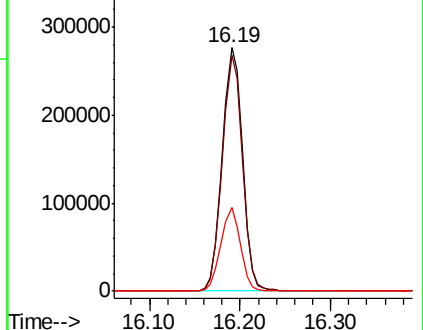
141 33.1 31.9 47.9

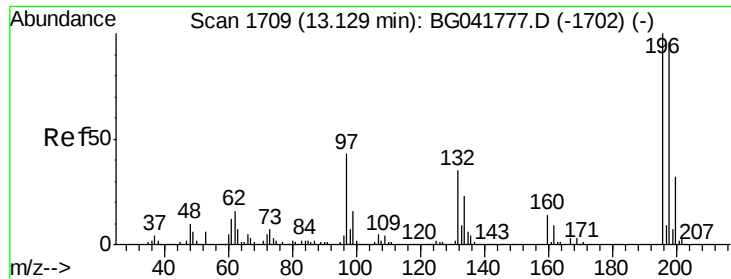


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

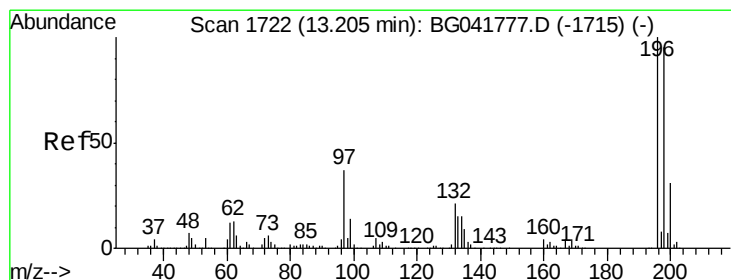
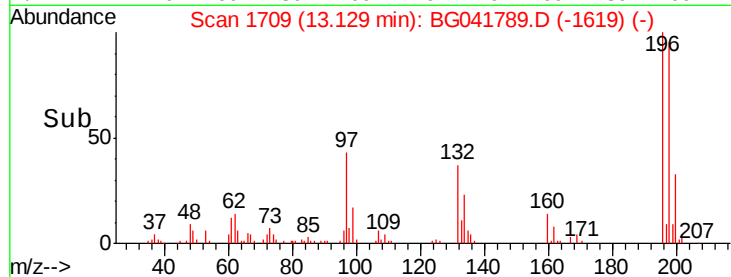
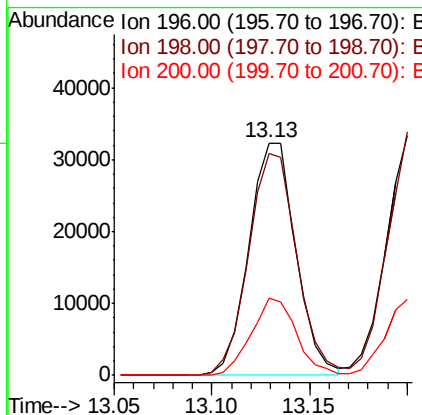
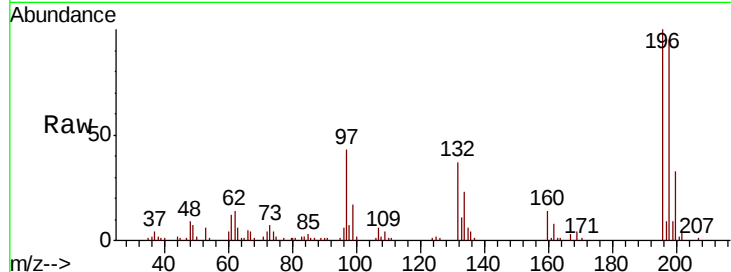




#43
 2,4,6-Trichlorophenol
 Concen: 9.093 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

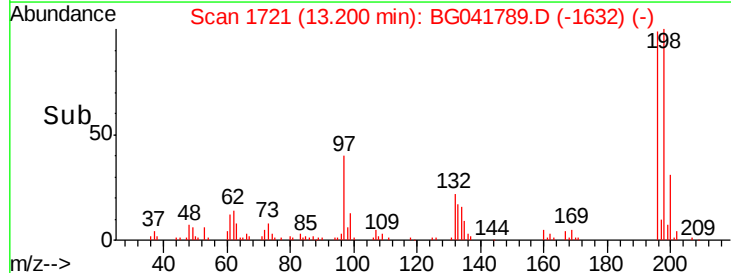
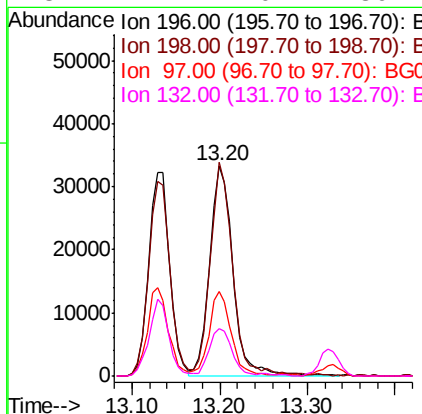
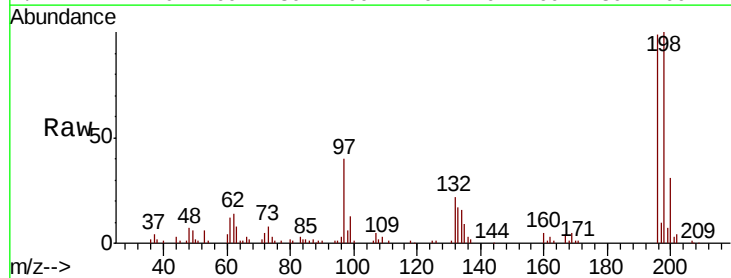
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

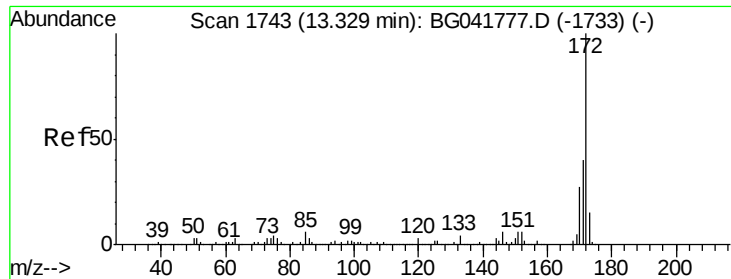
Tot Ion:196 Resp: 53905
 Ion Ratio Lower Upper
 196 100
 198 95.4 79.6 119.4
 200 33.1 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 10.075 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion:196 Resp: 62066
 Ion Ratio Lower Upper
 196 100
 198 101.5 80.6 121.0
 97 40.2 33.9 50.9
 132 22.7 20.2 30.2

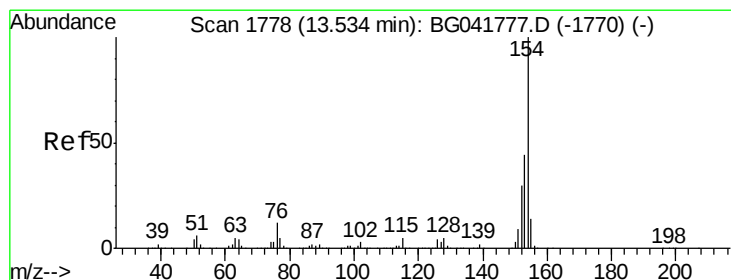
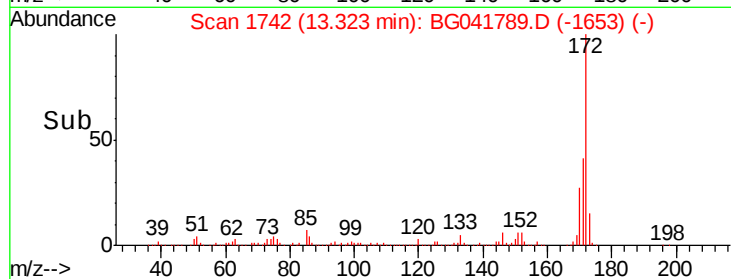
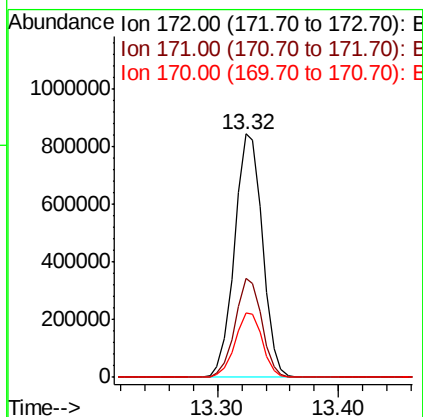
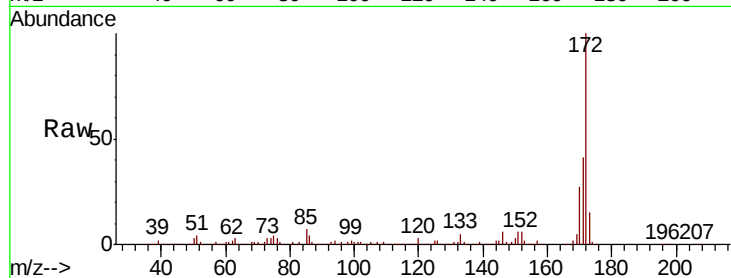




#45
 2-Fluorobiphenyl
 Concen: 80.873 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

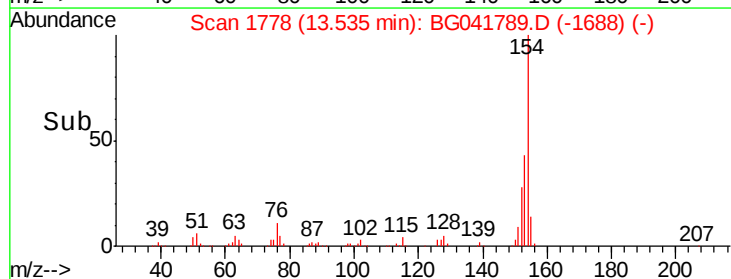
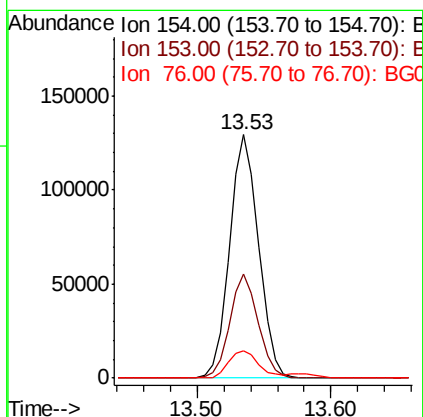
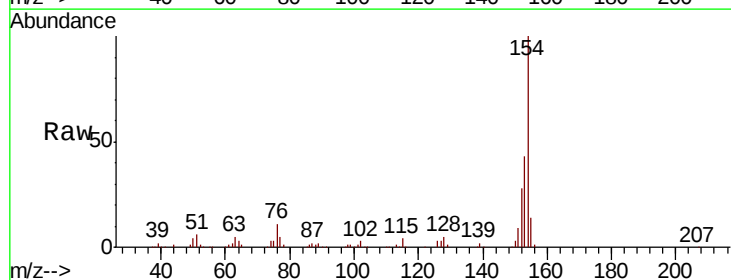
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

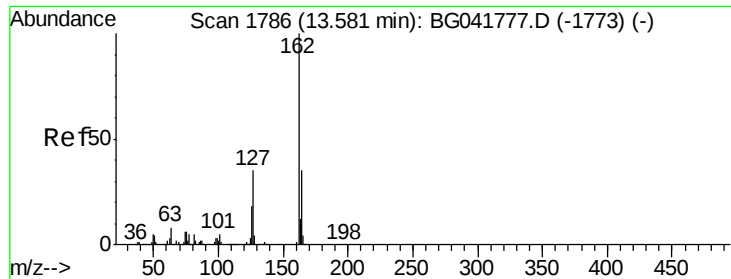
Tot Ion:172 Resp: 1358638
 Ion Ratio Lower Upper
 172 100
 171 40.5 35.0 52.4
 170 26.7 23.5 35.3



#46
 1,1'-Biphenyl
 Concen: 10.269 ng
 RT: 13.53 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion:154 Resp: 195585
 Ion Ratio Lower Upper
 154 100
 153 43.0 25.0 65.0
 76 11.3 0.0 34.5

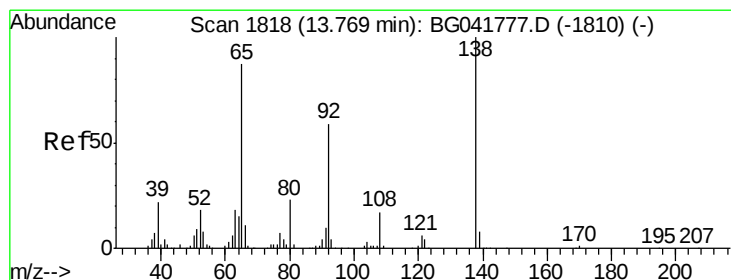
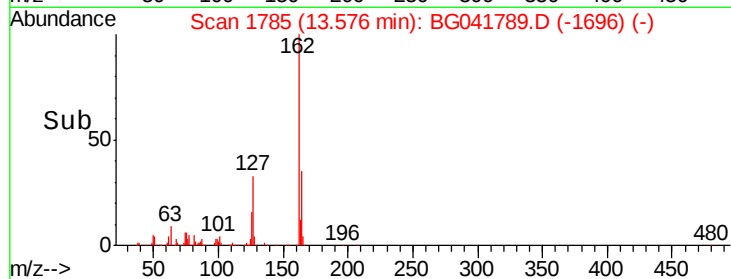
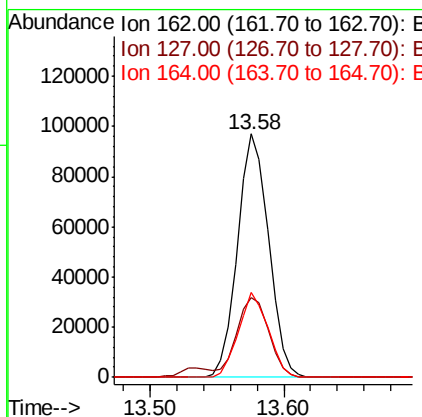
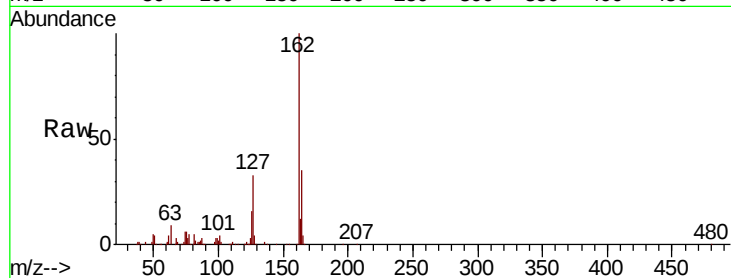




#47
2-Chloronaphthalene
Concen: 9.633 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

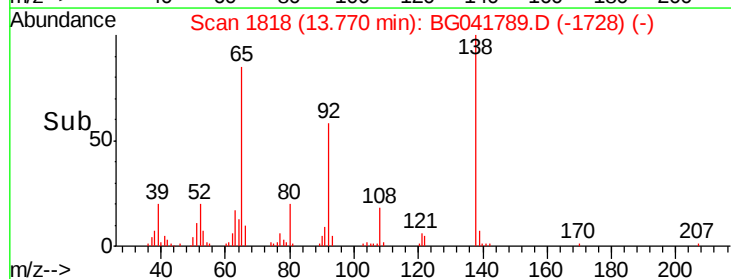
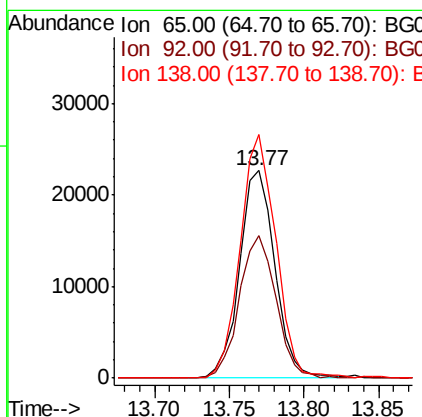
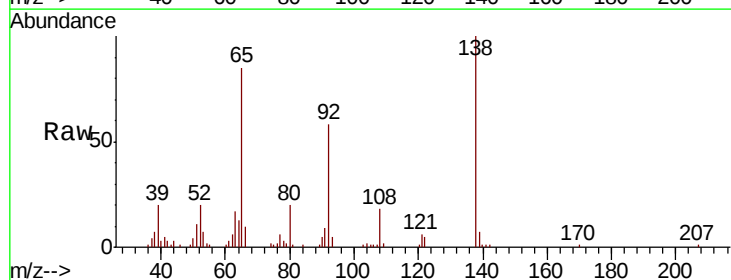
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

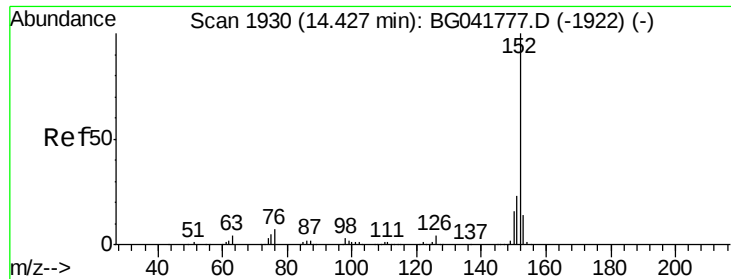
Tot Ion	Ratio	Lower	Upper
162	100		
127	33.0	30.4	45.6
164	34.6	28.6	42.8



#48
2-Nitroaniline
Concen: 9.084 ng
RT: 13.77 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.4	53.9	80.9
138	117.3	83.5	125.3





#49

Acenaphthylene

Concen: 10.654 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

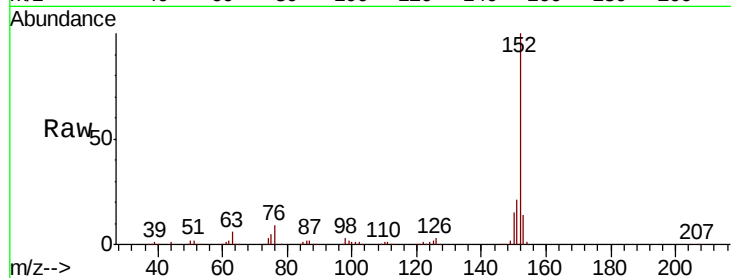
Tot Ion:152 Resp: 258438

Ion Ratio Lower Upper

152 100

151 21.1 18.7 28.1

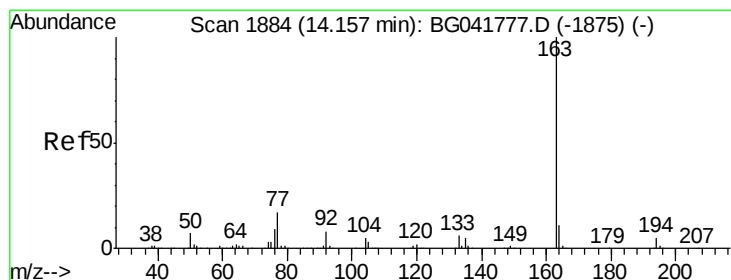
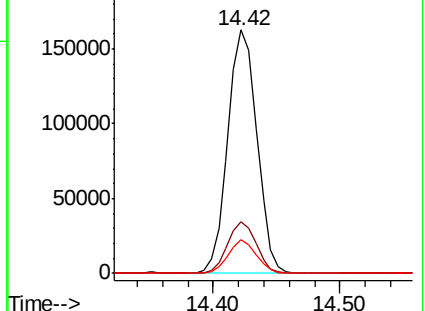
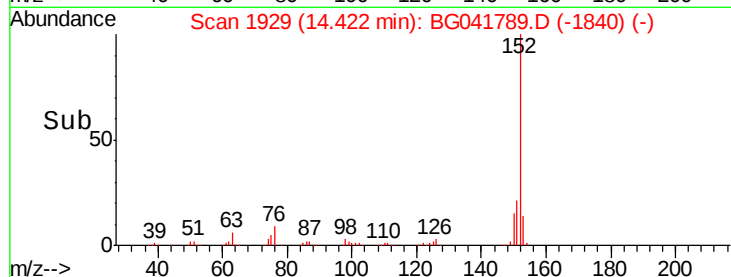
153 13.8 12.4 18.6



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: 10.317 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

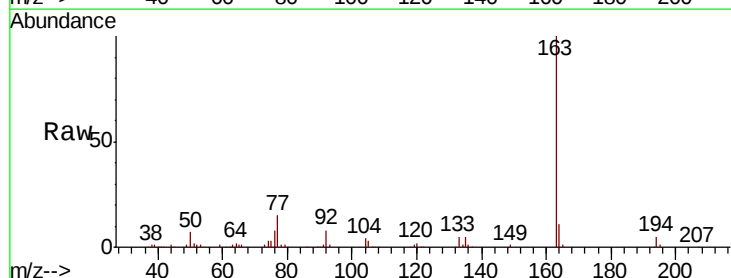
Tgt Ion:163 Resp: 208773

Ion Ratio Lower Upper

163 100

194 4.6 4.2 6.2

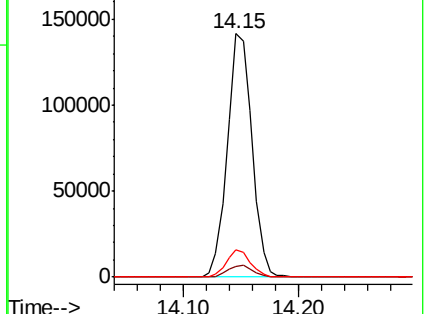
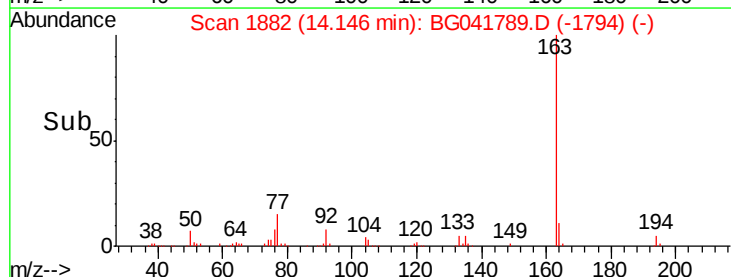
164 11.1 9.4 14.2

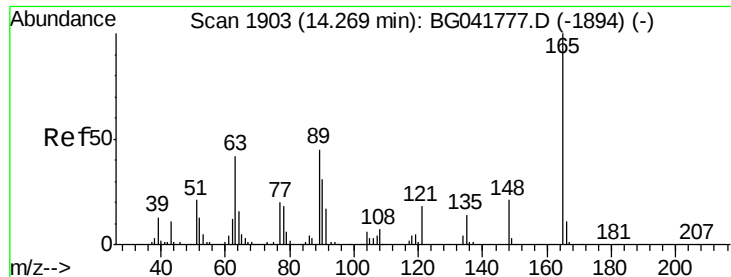


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 10.297 ng

RT: 14.26 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

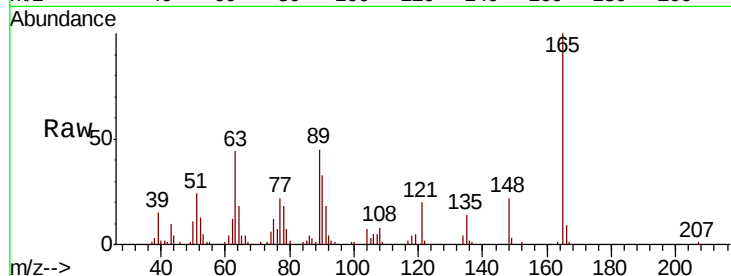
Tot Ion:165 Resp: 43572

Ion Ratio Lower Upper

165 100

63 44.0 42.4 63.6

89 44.6 42.1 63.1

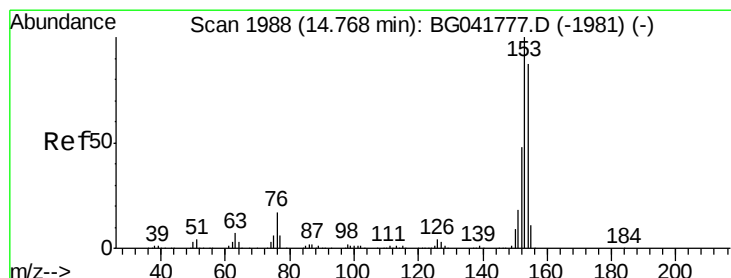
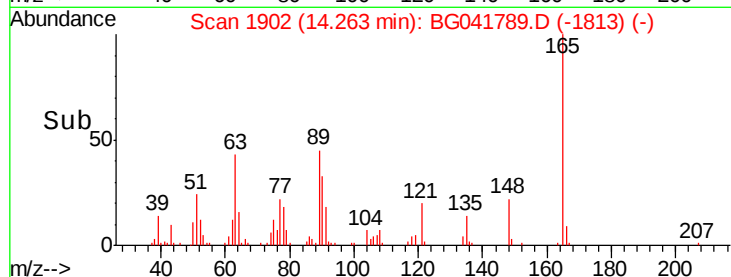
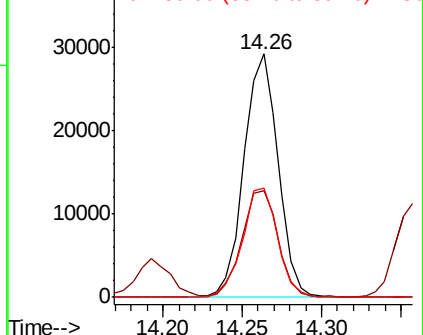


Abundance

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: 9.697 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

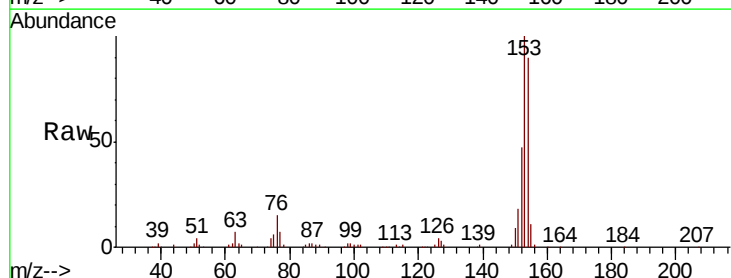
Tgt Ion:154 Resp: 152988

Ion Ratio Lower Upper

154 100

153 111.7 89.8 134.6

152 52.9 44.9 67.3

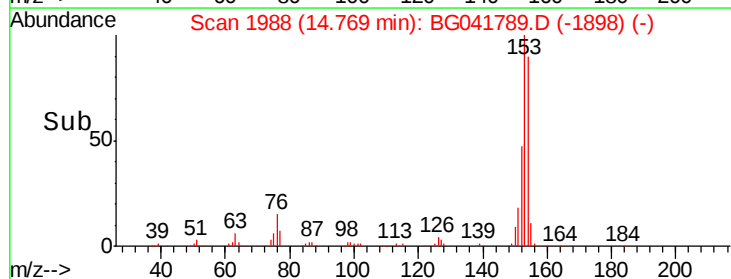
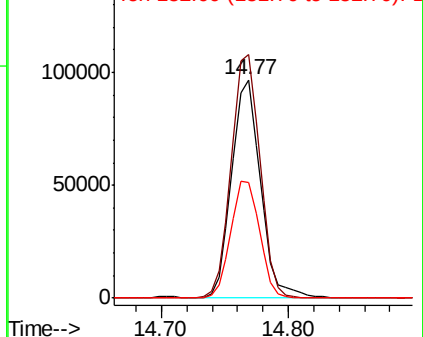


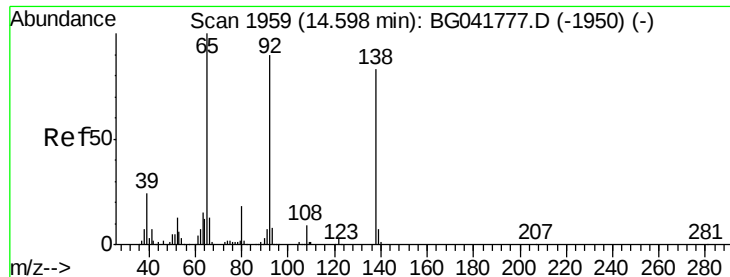
Abundance

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: 9.427 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument:

BNA_G

ClientSampleId:

LOQ-SOIL-02-QT3-2019

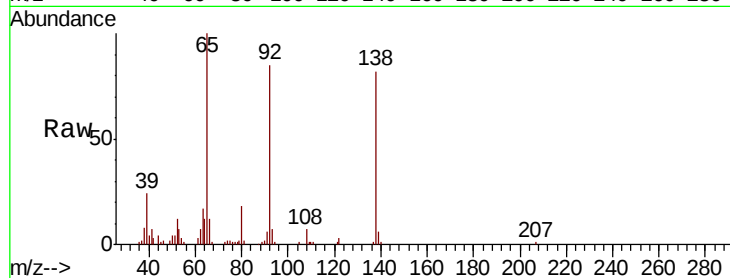
Tot Ion:138 Resp: 42674

Ion Ratio Lower Upper

138 100

108 9.1 10.3 15.5#

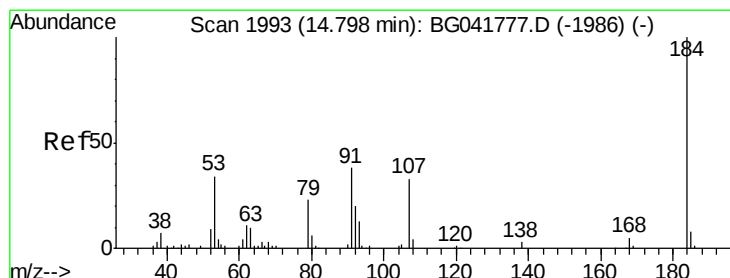
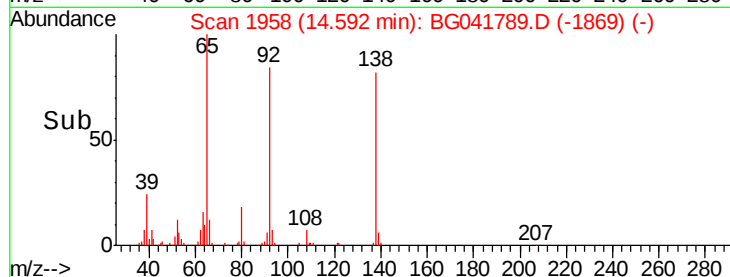
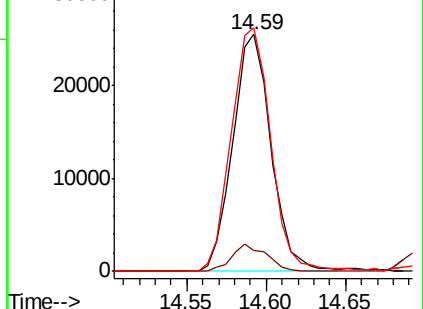
92 102.8 93.0 139.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 10.302 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

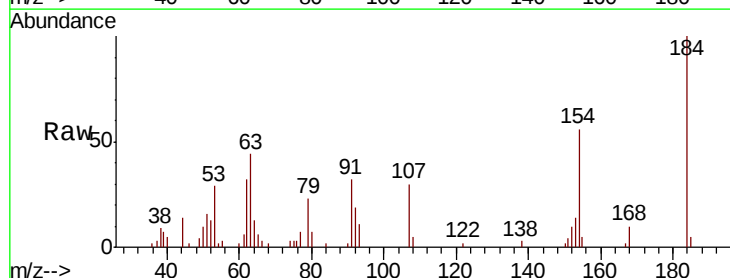
Tgt Ion:184 Resp: 13371

Ion Ratio Lower Upper

184 100

63 43.8 43.2 64.8

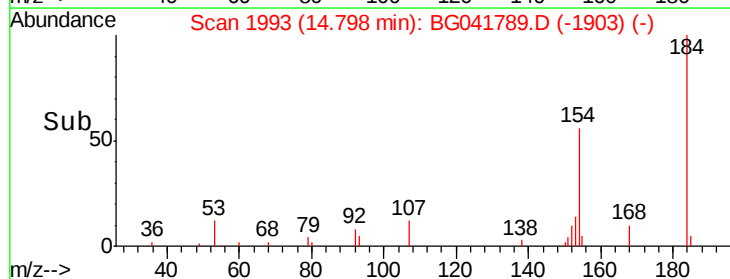
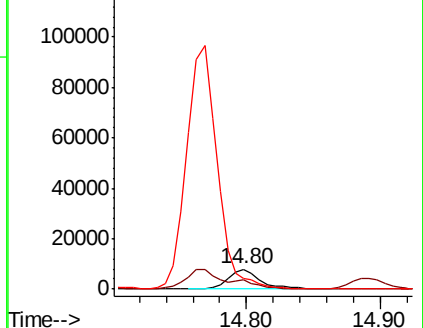
154 56.4 51.4 77.2

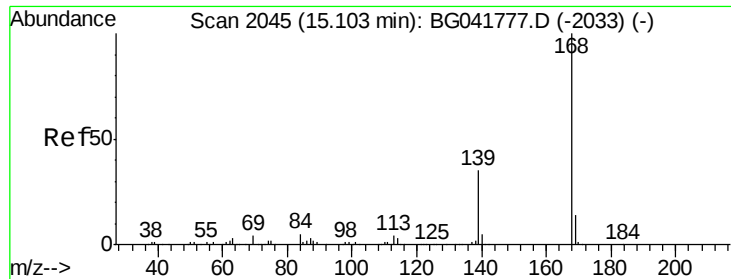


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

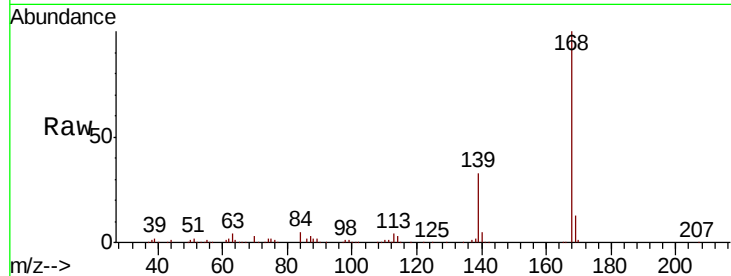




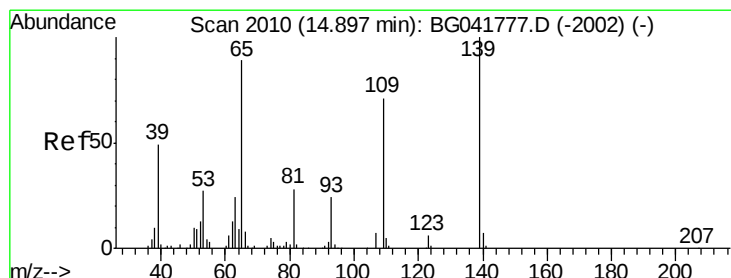
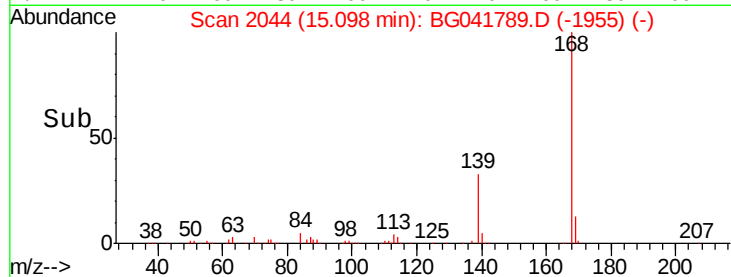
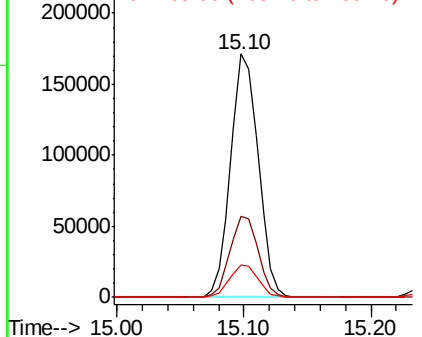
#55
Dibenzenofuran
Concen: 10.685 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:168 Resp: 257842
Ion Ratio Lower Upper
168 100
139 33.3 31.9 47.9
169 13.3 12.5 18.7

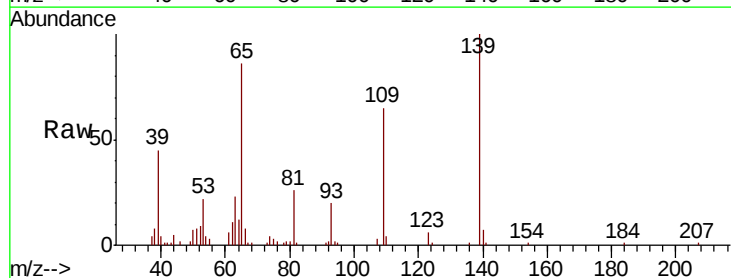


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

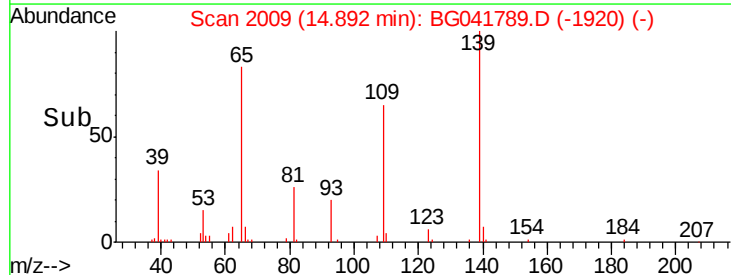
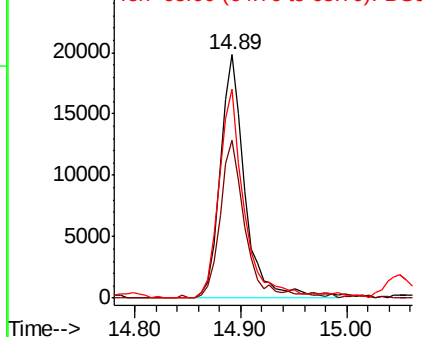


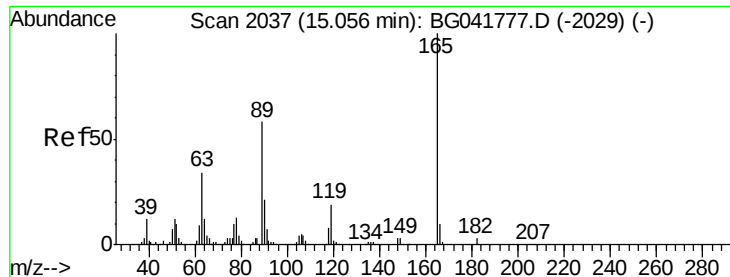
#56
4-Nitrophenol
Concen: 9.384 ng
RT: 14.89 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion:139 Resp: 32246
Ion Ratio Lower Upper
139 100
109 64.7 51.3 91.3
65 86.1 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): BGC

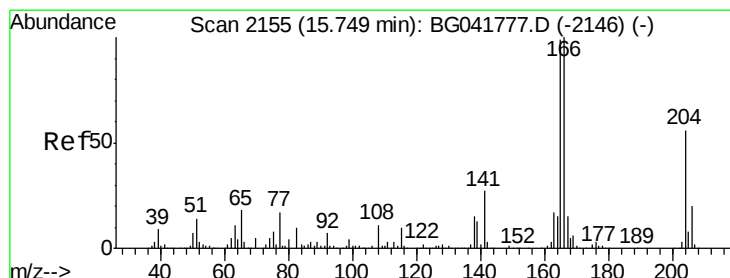
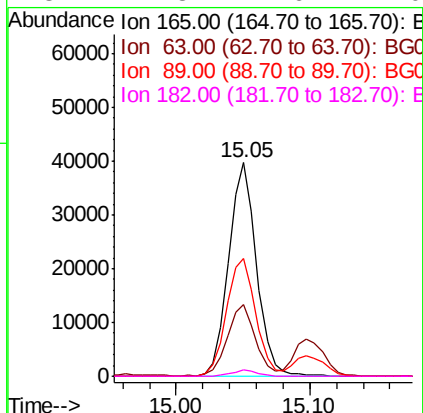
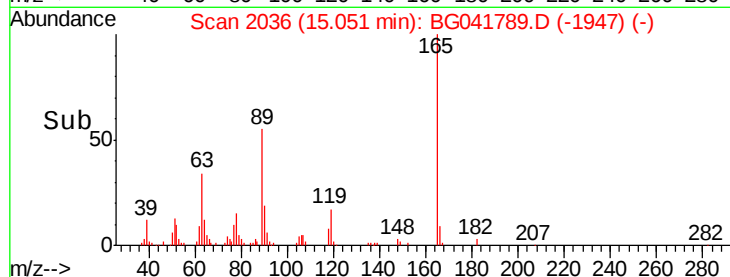
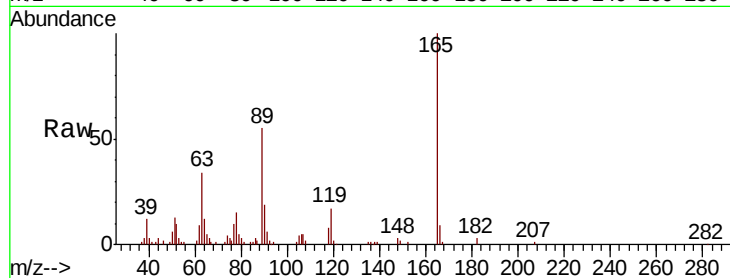




#57
2,4-Dinitrotoluene
Concen: 9.950 ng
RT: 15.05 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

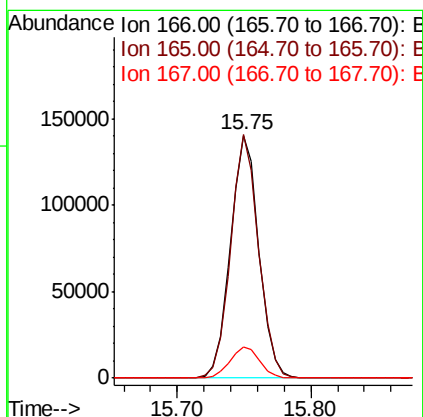
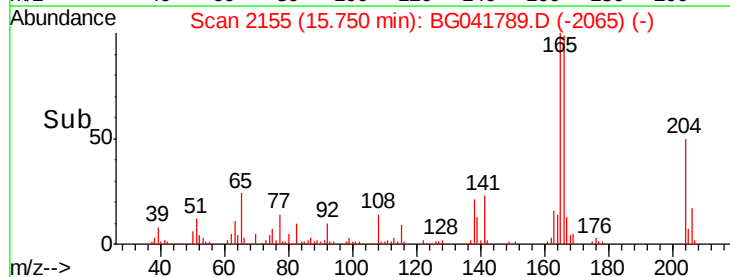
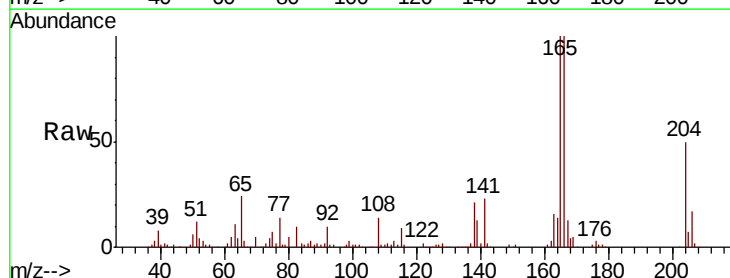
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

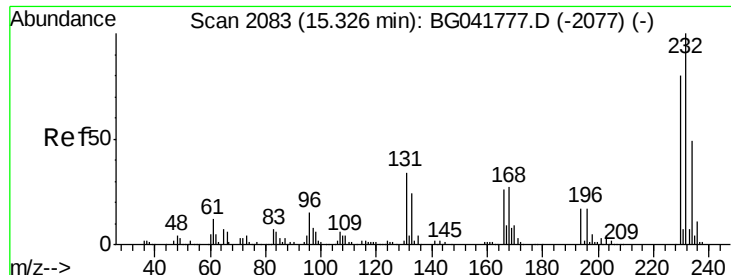
Tot Ion:165 Resp: 57897
Ion Ratio Lower Upper
165 100
63 33.7 31.7 47.5
89 55.3 50.2 75.4
182 2.8 2.6 4.0



#58
Fluorene
Concen: 10.750 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion:166 Resp: 208174
Ion Ratio Lower Upper
166 100
165 100.3 80.5 120.7
167 12.9 12.4 18.6

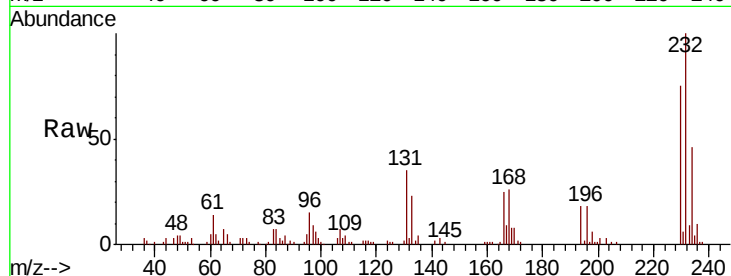




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.705 ng
 RT: 15.32 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
232	100		
131	33.9	31.8	47.6
130	1.1	1.8	2.8
166	26.7	23.5	35.3



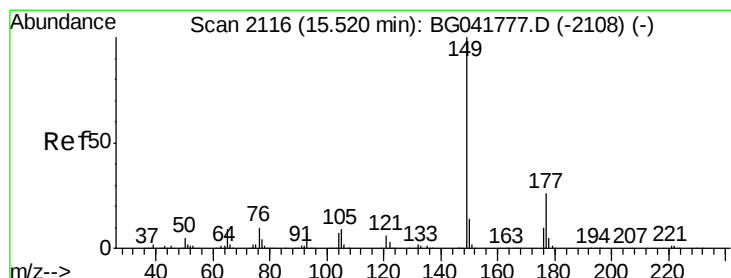
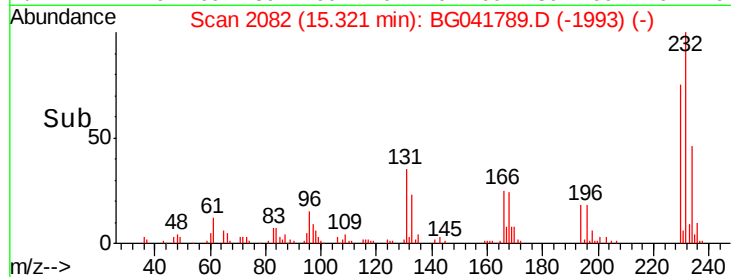
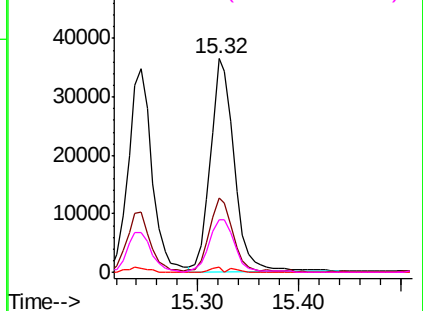
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

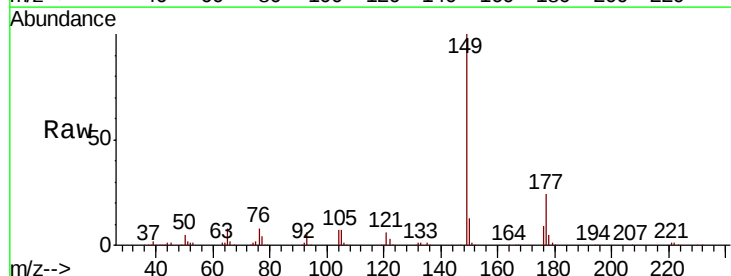
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 10.221 ng
 RT: 15.51 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.0	20.7	31.1
150	13.0	11.5	17.3

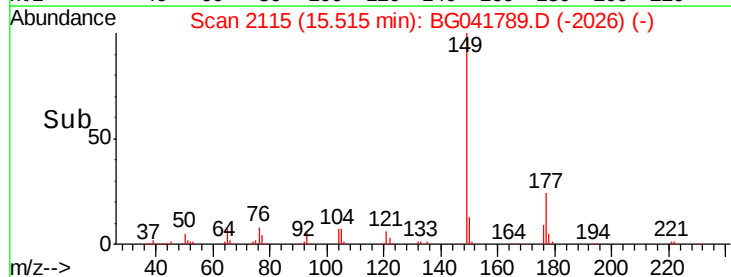
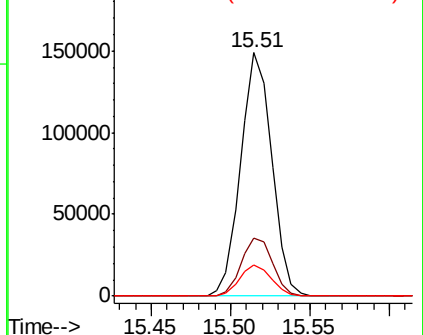


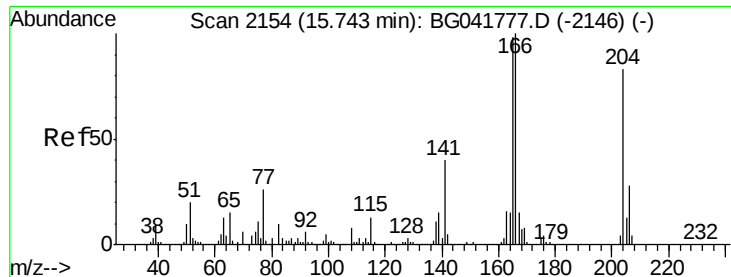
Abundance

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

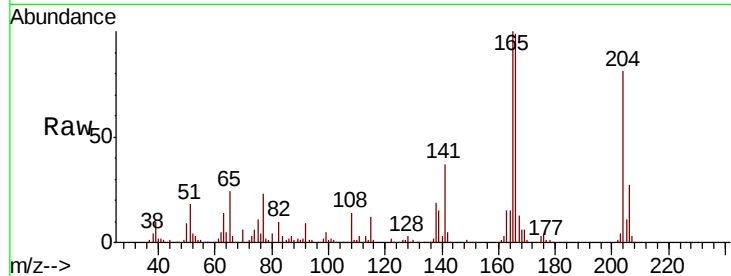




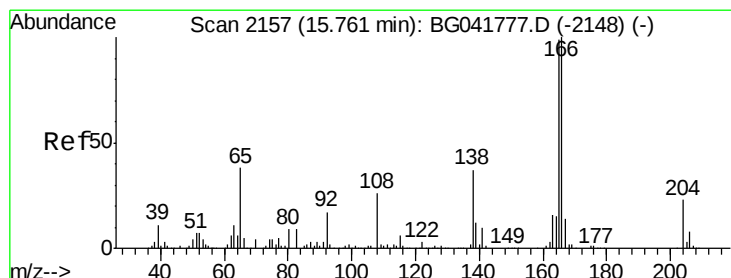
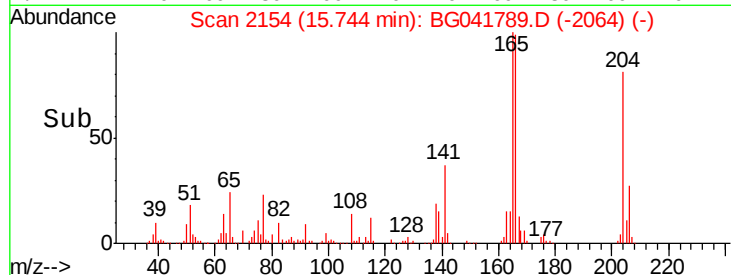
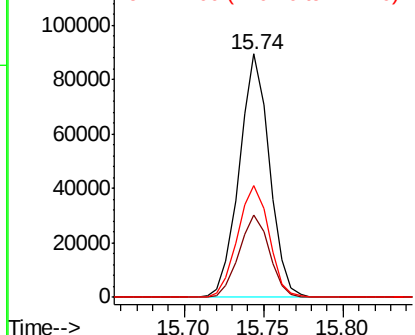
#61
 4-Chlorophenyl-phenylether
 Concen: 9.992 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:204 Resp: 118132
 Ion Ratio Lower Upper
 204 100
 206 33.8 28.6 42.8
 141 45.7 42.9 64.3

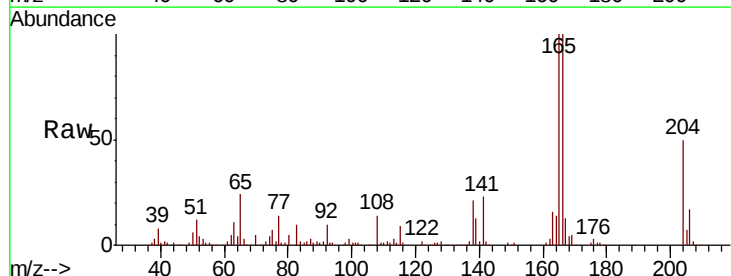


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

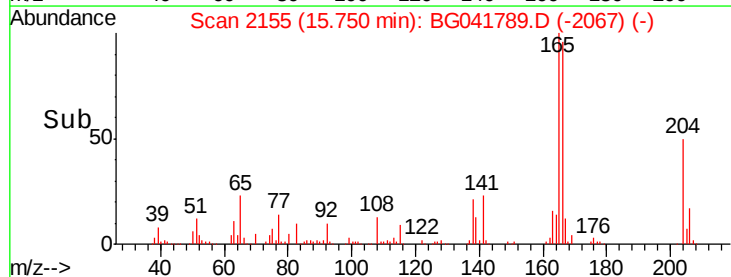
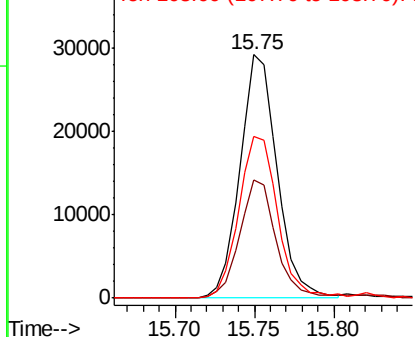


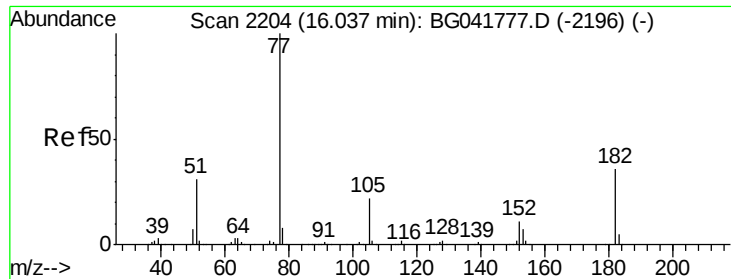
#62
 4-Nitroaniline
 Concen: 9.710 ng
 RT: 15.75 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion:138 Resp: 47611
 Ion Ratio Lower Upper
 138 100
 92 48.7 29.8 69.8
 108 66.6 52.2 92.2



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 10.121 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion: 77 Resp: 164252

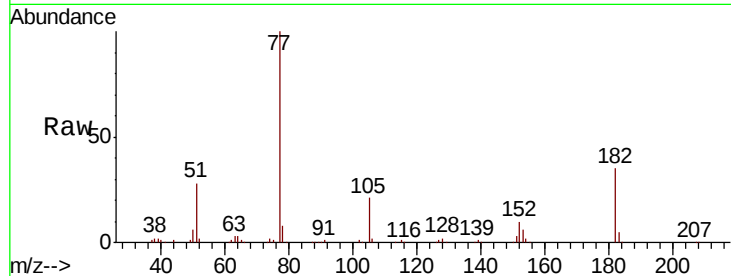
Ion Ratio Lower Upper

77 100

182 35.0 13.2 53.2

105 20.8 2.2 42.2

51 28.1 14.6 54.6

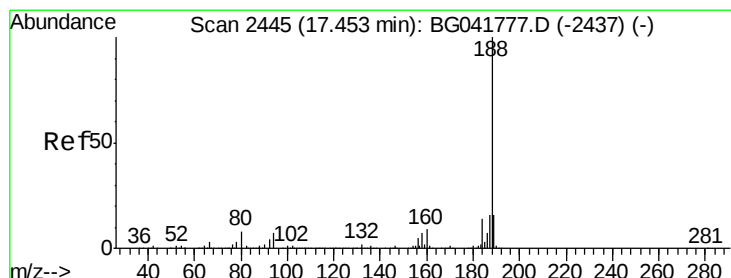
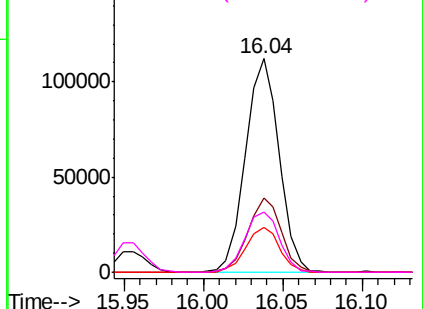
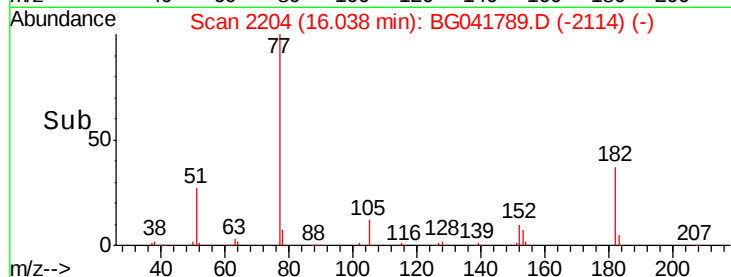


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.45 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

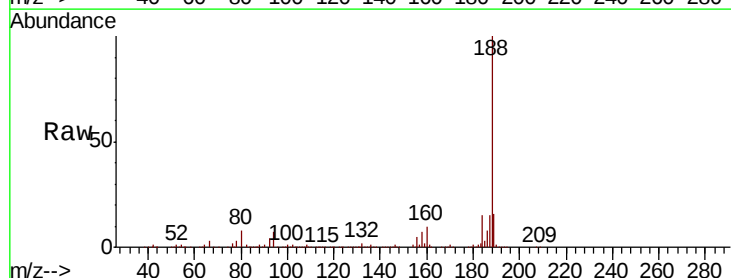
Tgt Ion: 188 Resp: 664616

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

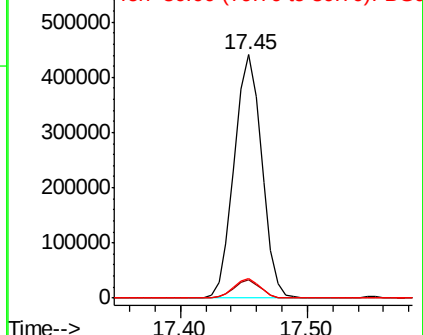
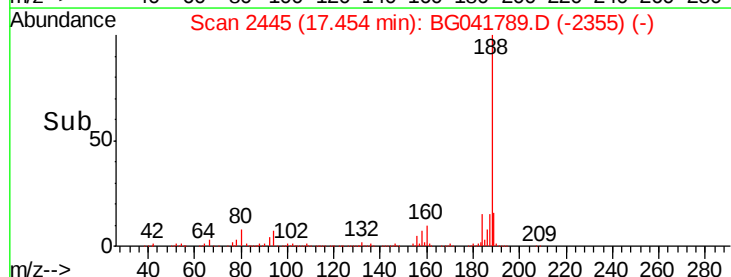
80 8.3 8.0 12.0

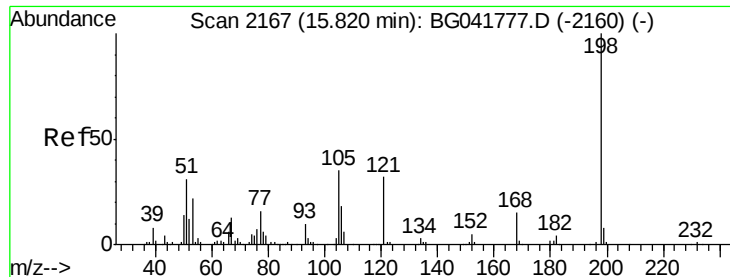


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 13.996 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

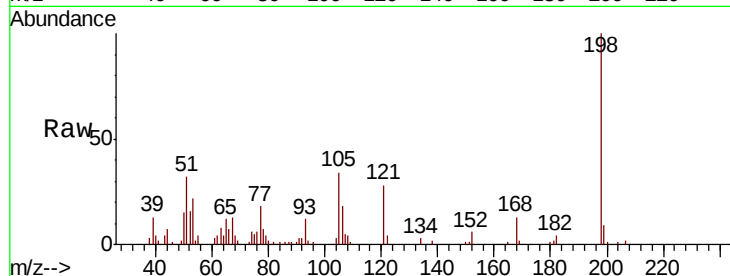
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:198 Resp: 27106

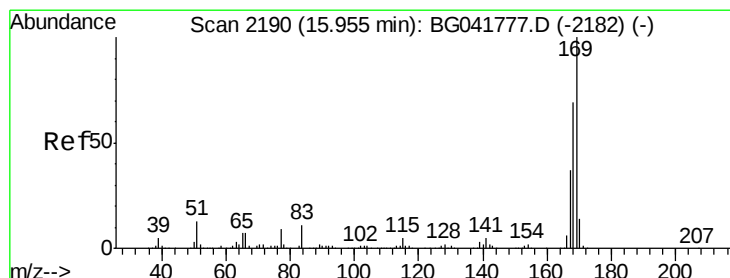
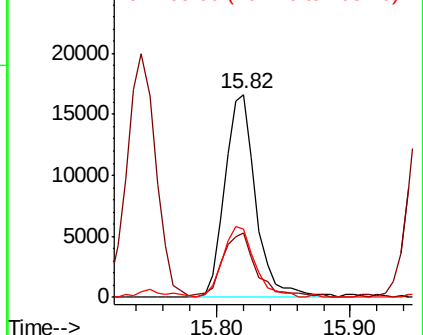
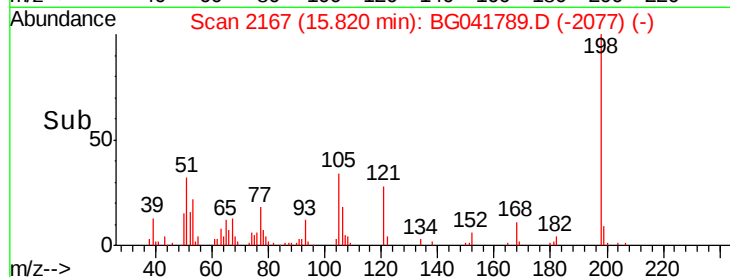
Ion	Ratio	Lower	Upper
198	100		
51	31.9	22.3	62.3
105	33.5	18.0	58.0



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: 10.324 ng

RT: 15.96 min Scan# 2190

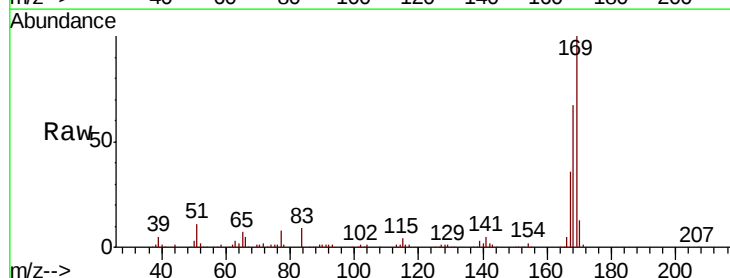
Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:169 Resp: 186902

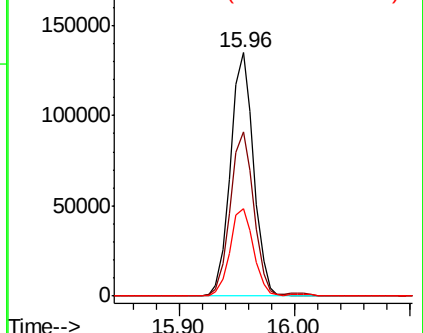
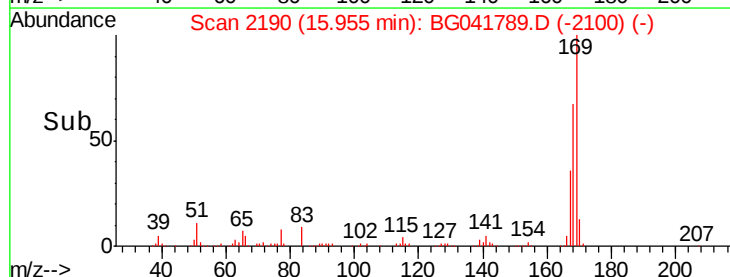
Ion	Ratio	Lower	Upper
169	100		
168	67.4	56.9	85.3
167	35.8	31.5	47.3

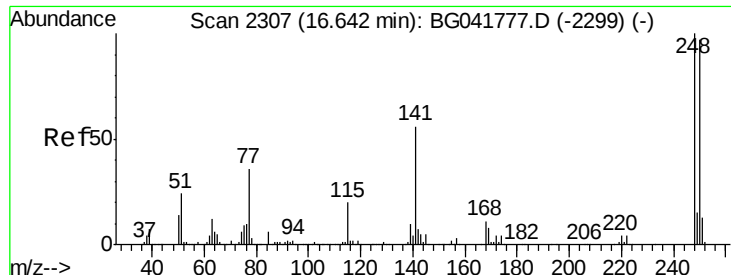


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

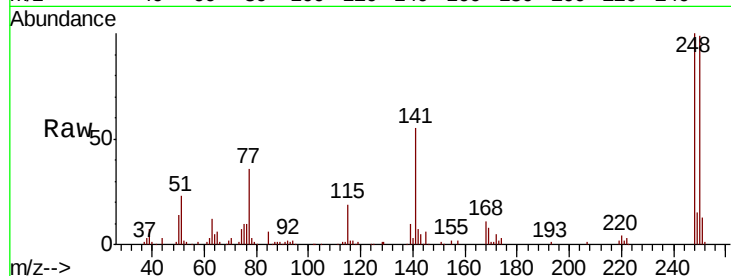




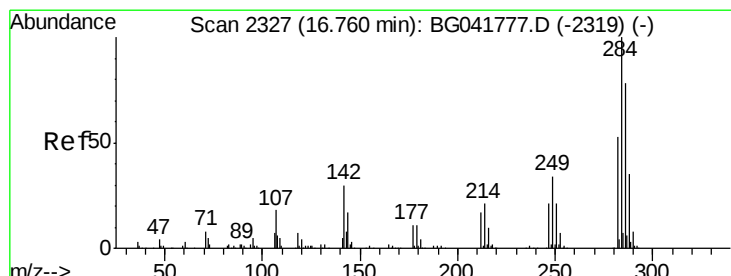
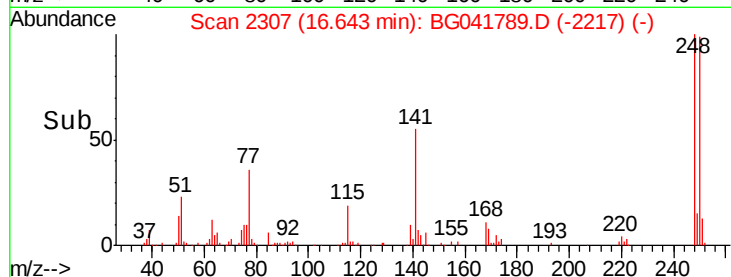
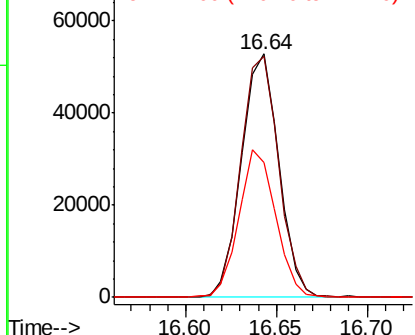
#67
 4-Bromophenyl-phenylether
 Concen: 9.251 ng
 RT: 16.64 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:248 Resp: 75739
 Ion Ratio Lower Upper
 248 100
 250 99.1 78.1 117.1
 141 55.4 49.6 74.4

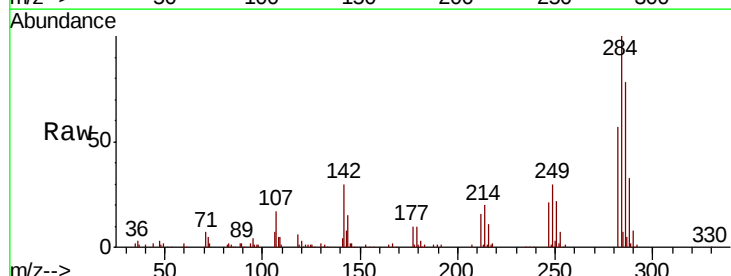


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

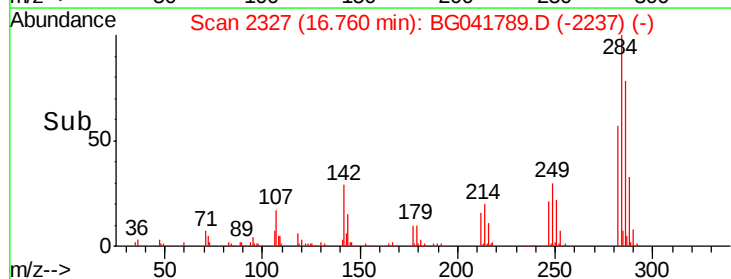
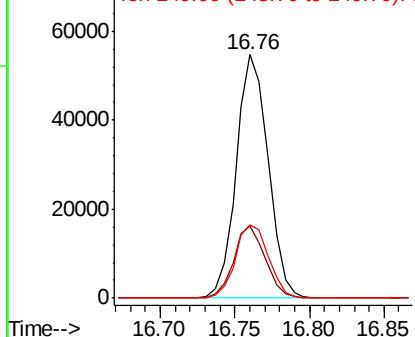


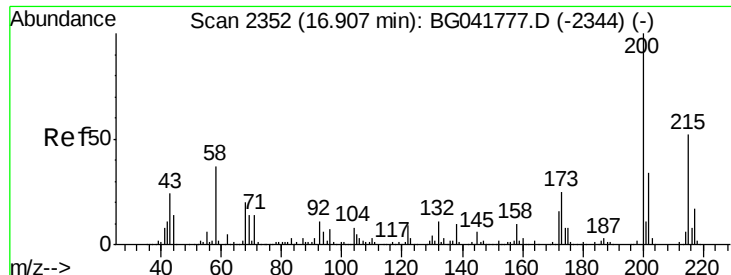
#68
 Hexachlorobenzene
 Concen: 9.472 ng
 RT: 16.76 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG041789.D
 Acq: 29 Jul 2019 15:05

Tgt Ion:284 Resp: 81123
 Ion Ratio Lower Upper
 284 100
 142 29.8 27.0 40.6
 249 30.0 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

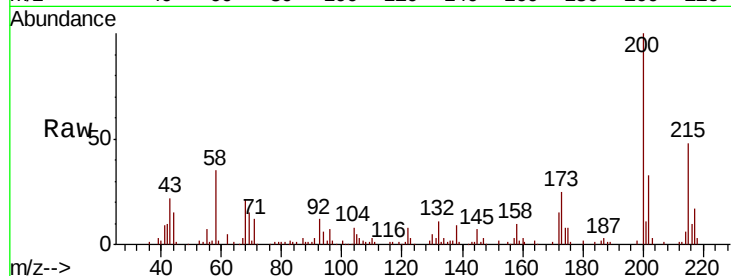




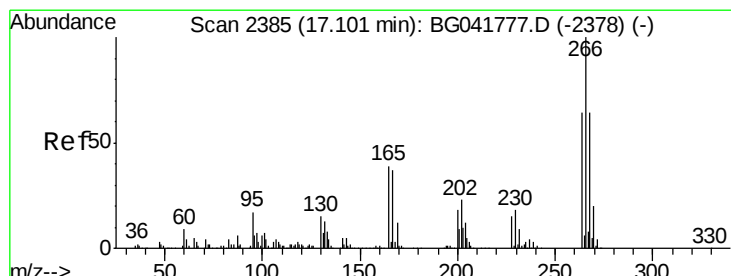
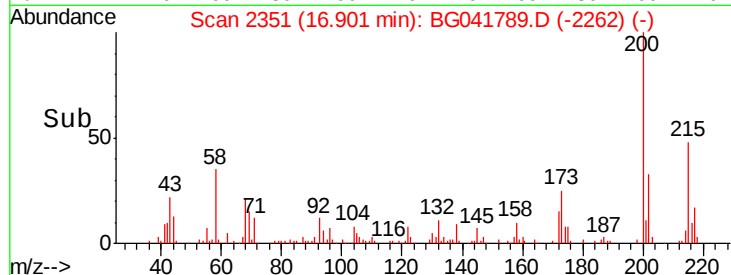
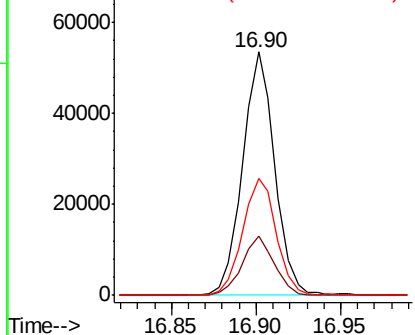
#69
Atrazine
Concen: 9.945 ng
RT: 16.90 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:200 Resp: 70741
Ion Ratio Lower Upper
200 100
173 24.6 5.3 45.3
215 48.0 31.8 71.8

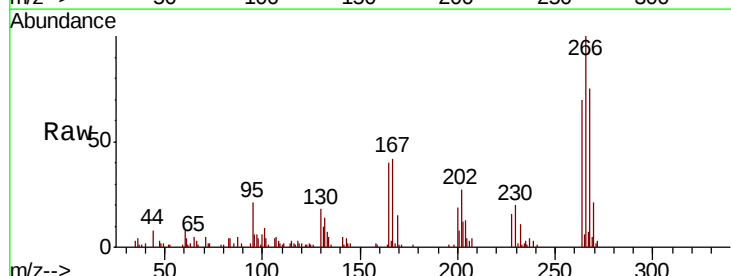


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

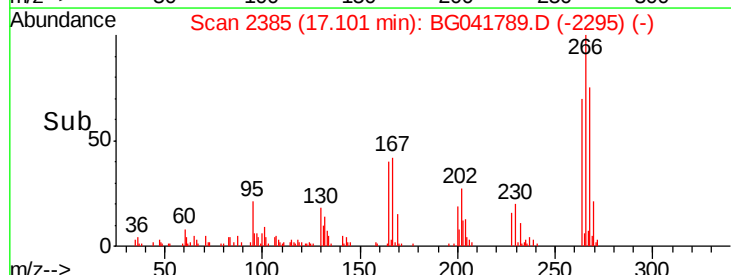
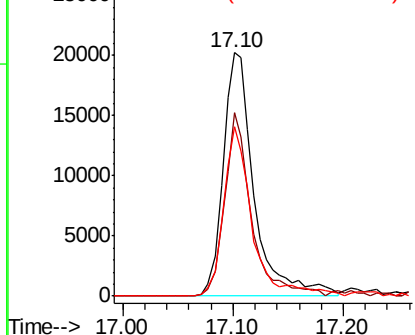


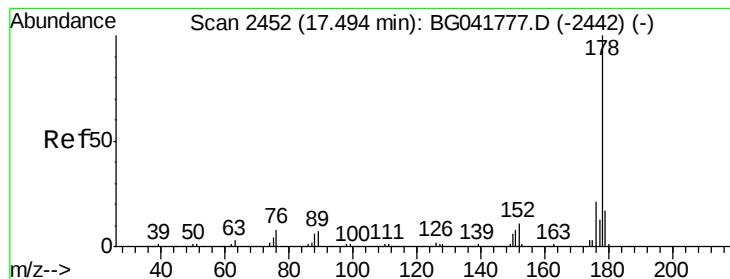
#70
Pentachlorophenol
Concen: 8.133 ng
RT: 17.10 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion:266 Resp: 39571
Ion Ratio Lower Upper
266 100
268 80.0 52.9 79.3#
264 69.8 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: 10.883 ng

RT: 17.49 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

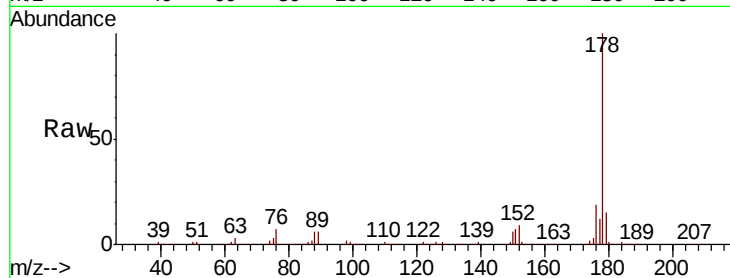
Tot Ion:178 Resp: 346691

Ion Ratio Lower Upper

178 100

176 18.7 18.6 28.0

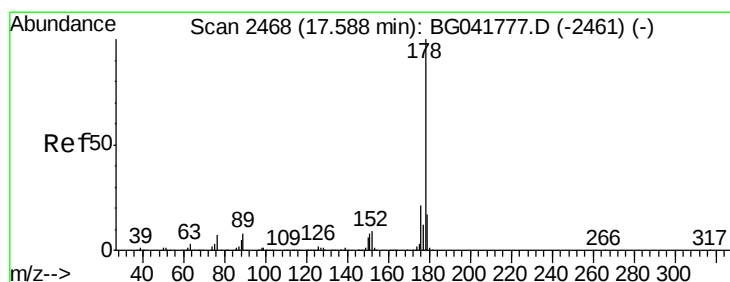
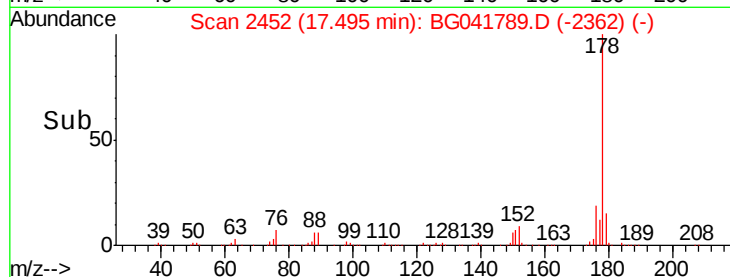
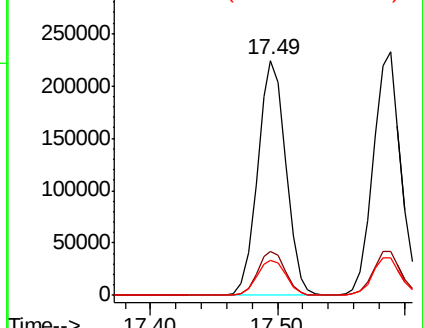
179 15.1 15.4 23.0#



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: 10.994 ng

RT: 17.59 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

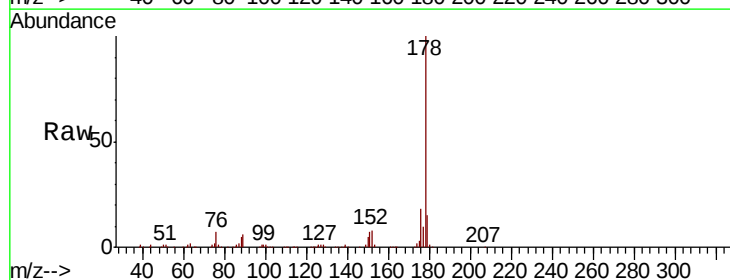
Tgt Ion:178 Resp: 349315

Ion Ratio Lower Upper

178 100

176 17.9 18.6 28.0#

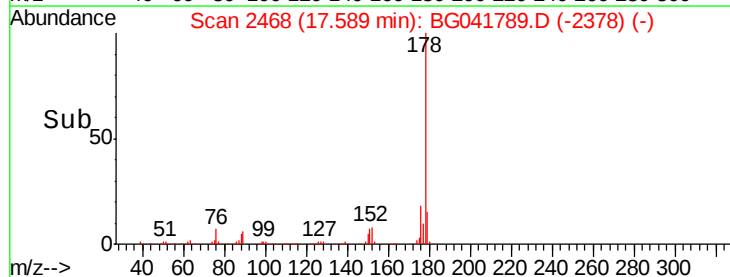
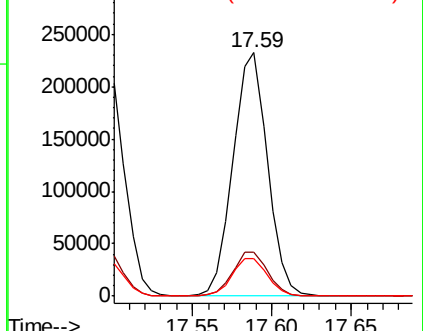
179 15.2 15.1 22.7

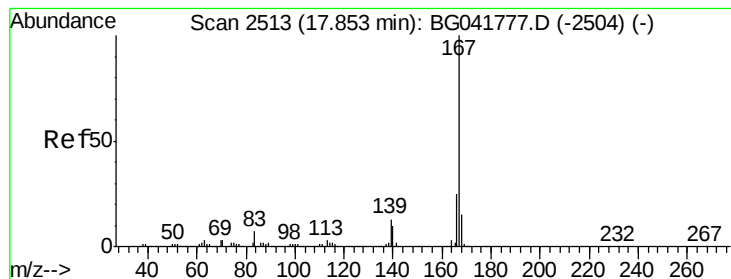


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 10.782 ng

RT: 17.85 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

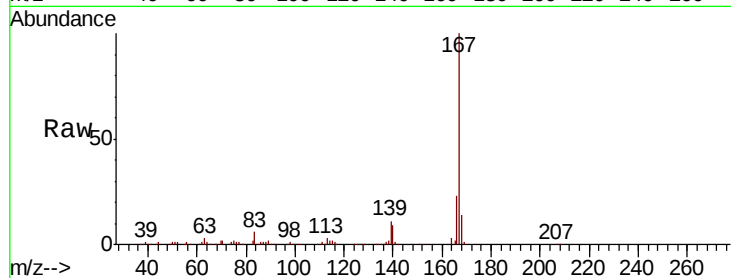
Tot Ion:167 Resp: 307468

Ion Ratio Lower Upper

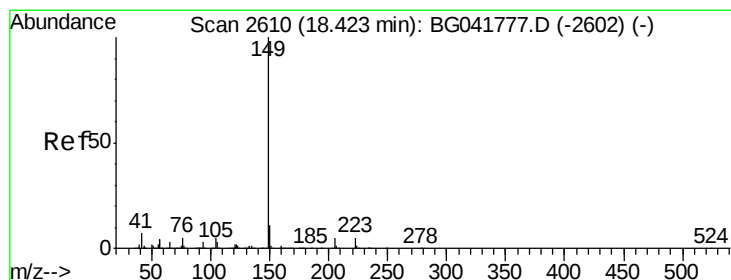
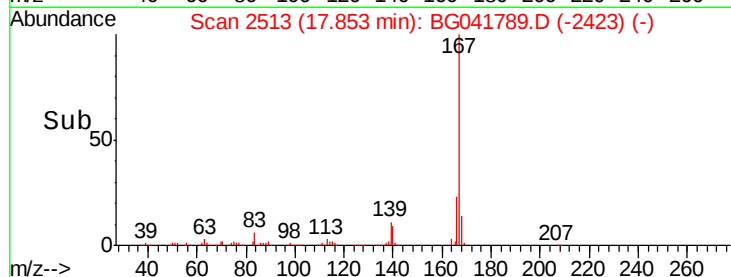
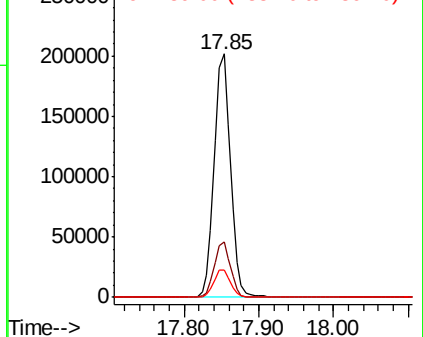
167 100

166 22.9 21.4 32.2

139 11.1 12.1 18.1#



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



#74

Di-n-butylphthalate

Concen: 10.566 ng

RT: 18.42 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

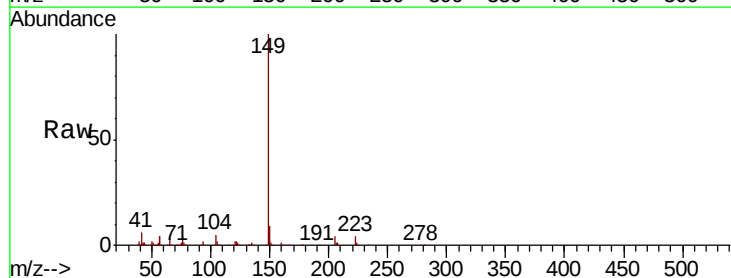
Tgt Ion:149 Resp: 341596

Ion Ratio Lower Upper

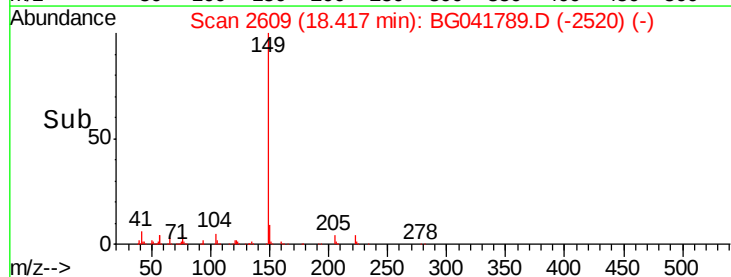
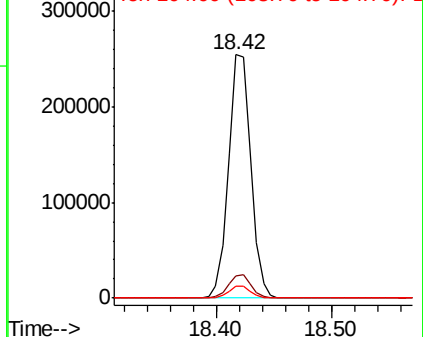
149 100

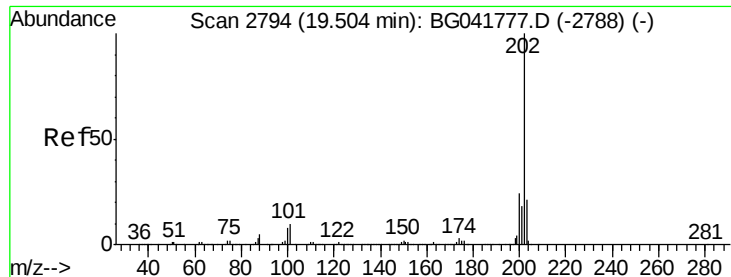
150 9.2 10.2 15.2#

104 5.0 5.3 7.9#



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





#75

Fluoranthene

Concen: 11.375 ng

RT: 19.50 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

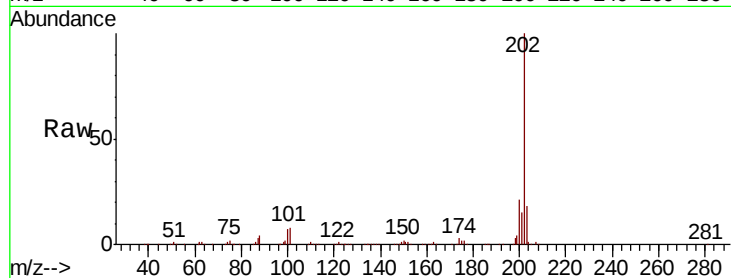
Tot Ion:202 Resp: 440474

Ion Ratio Lower Upper

202 100

101 8.1 0.0 32.8

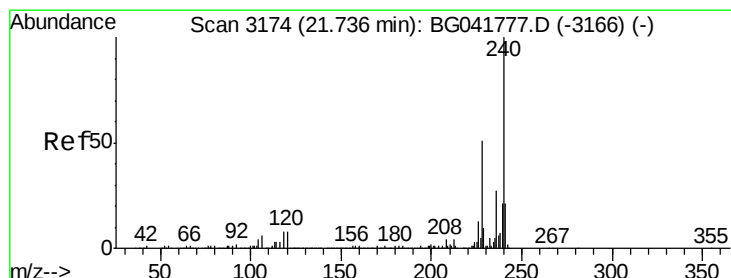
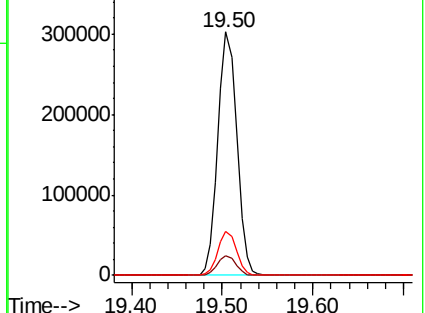
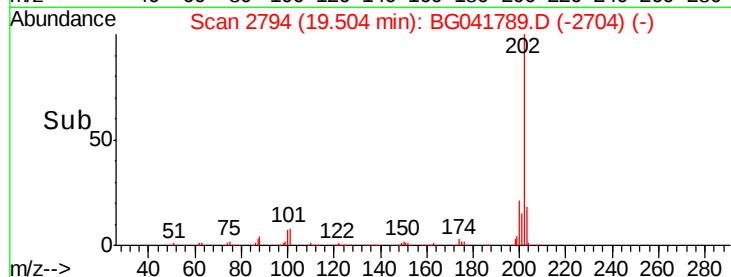
203 18.3 3.7 43.7



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# 3174

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

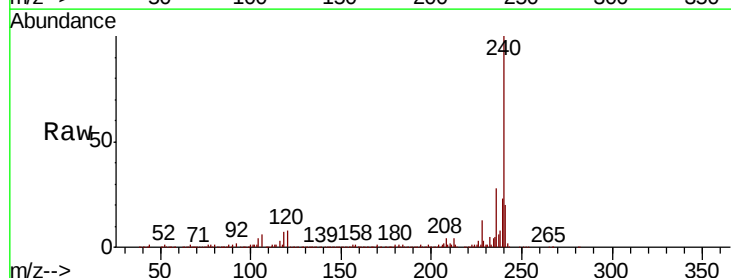
Tgt Ion:240 Resp: 667617

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

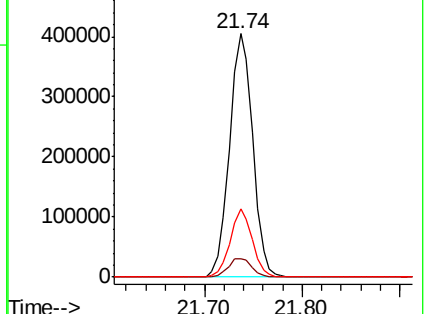
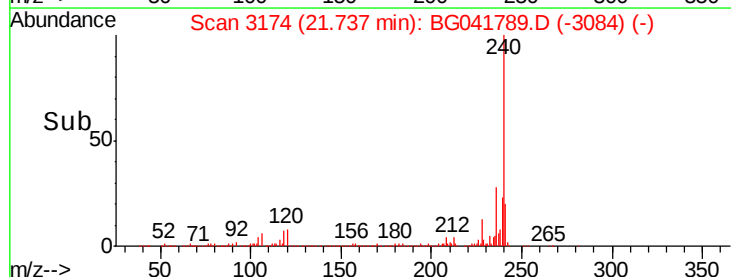
236 28.0 22.6 33.8

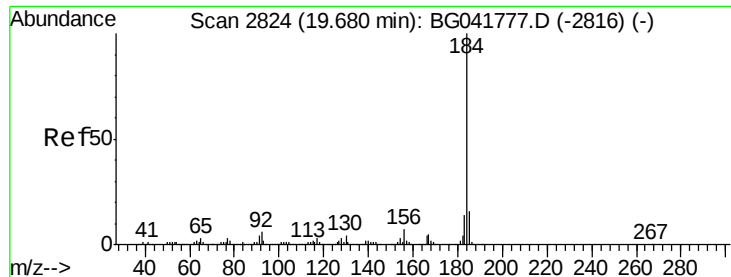


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 9.815 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

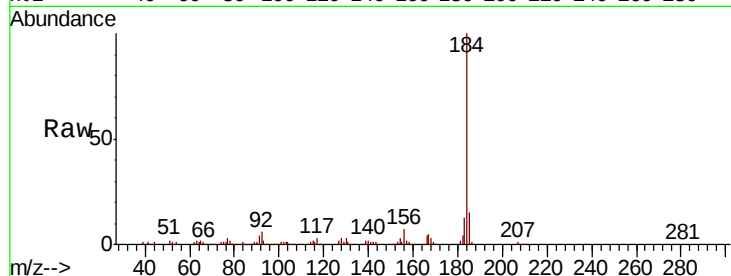
Tot Ion:184 Resp: 213874

Ion Ratio Lower Upper

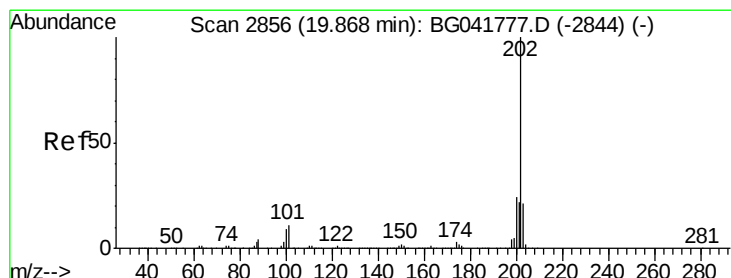
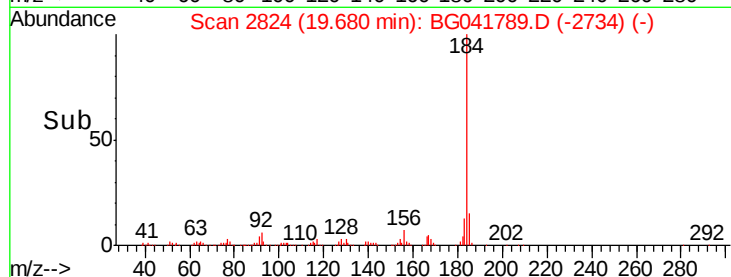
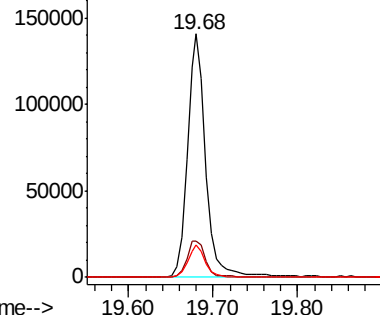
184 100

185 14.7 13.0 19.4

183 13.4 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: 11.358 ng

RT: 19.87 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

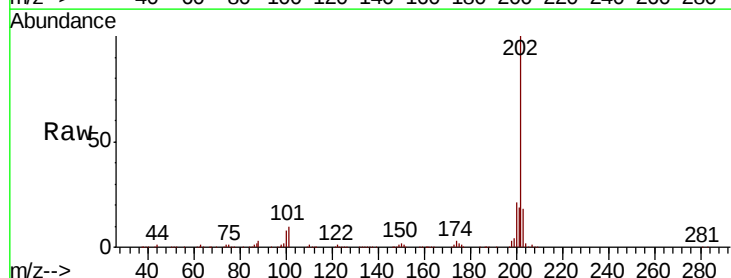
Tgt Ion:202 Resp: 449251

Ion Ratio Lower Upper

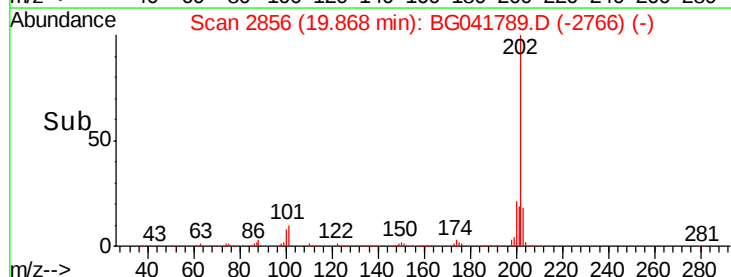
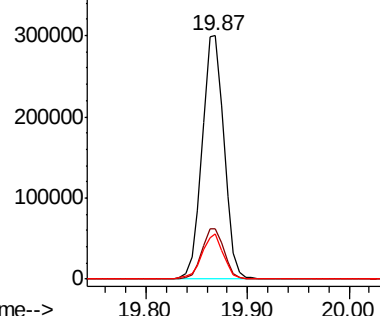
202 100

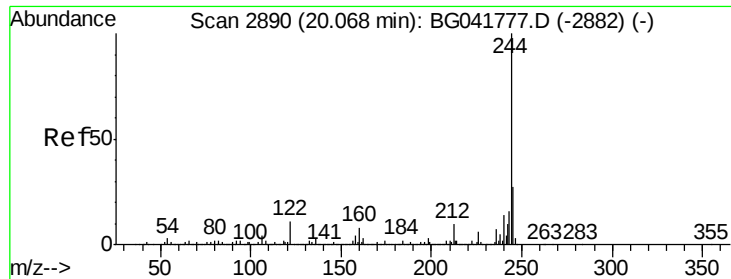
200 20.7 22.2 33.2#

203 18.3 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: 74.371 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

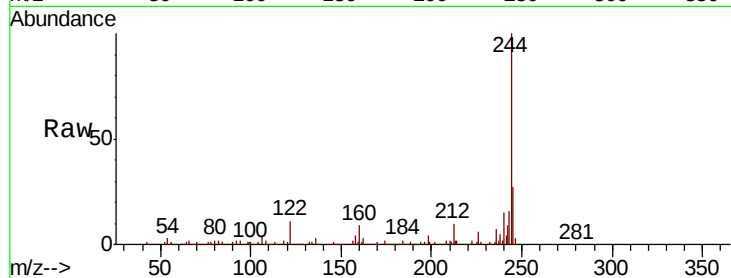
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:244 Resp: 2169827

Ion	Ratio	Lower	Upper
244	100		
212	9.9	9.7	14.5
122	10.9	12.5	18.7

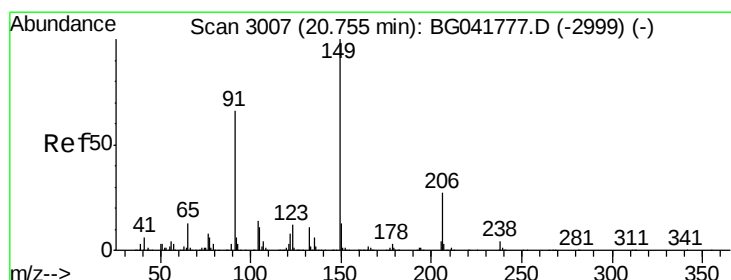
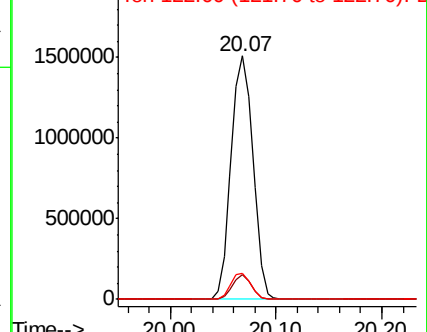
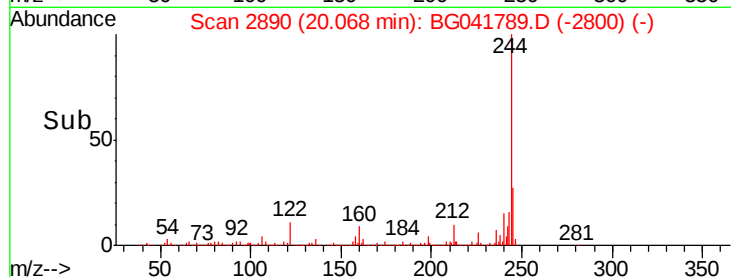


Abundance

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: 9.475 ng

RT: 20.76 min Scan# 3007

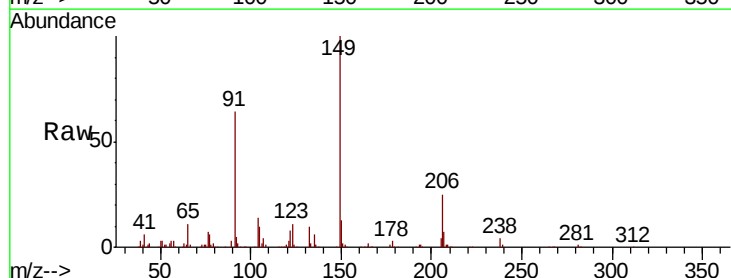
Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Tgt Ion:149 Resp: 143688

Ion	Ratio	Lower	Upper
149	100		
91	63.6	58.9	88.3
206	24.9	20.8	31.2

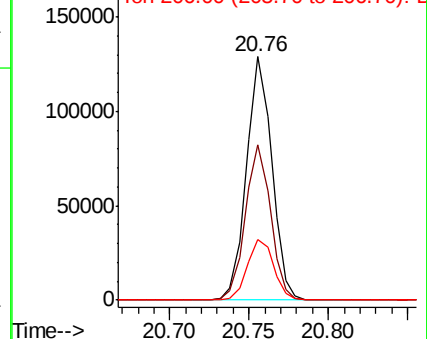
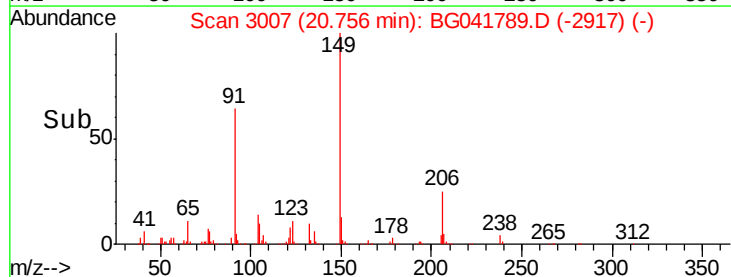


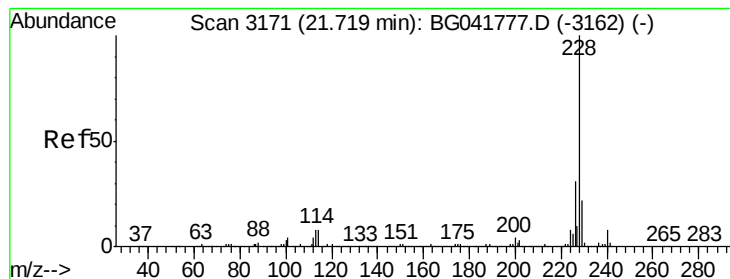
Abundance

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: 10.622 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

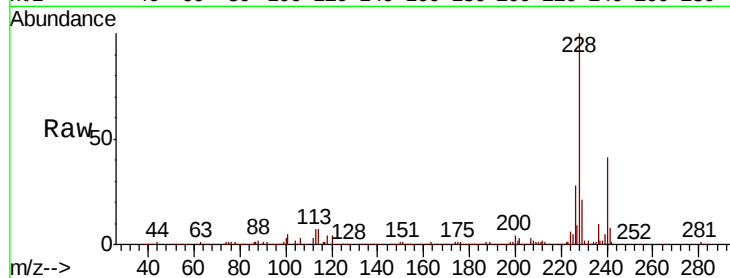
Tot Ion:228 Resp: 419562

Ion Ratio Lower Upper

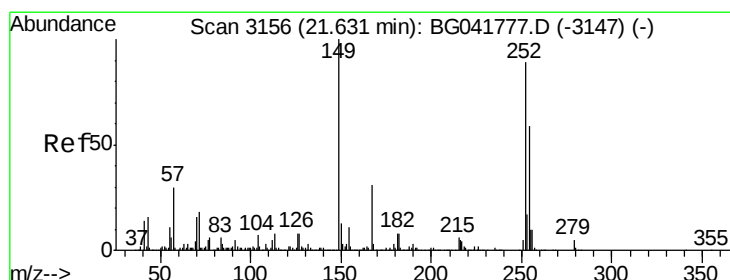
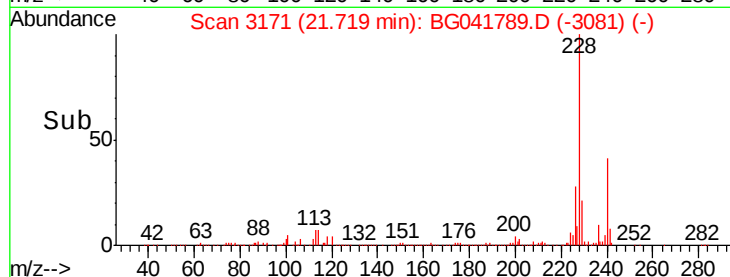
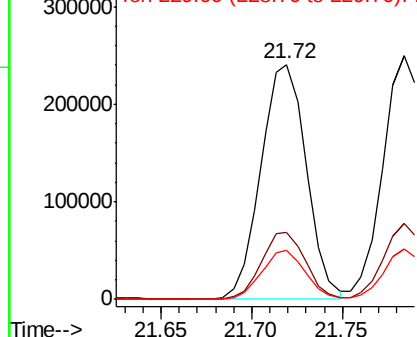
228 100

226 28.2 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: 10.531 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

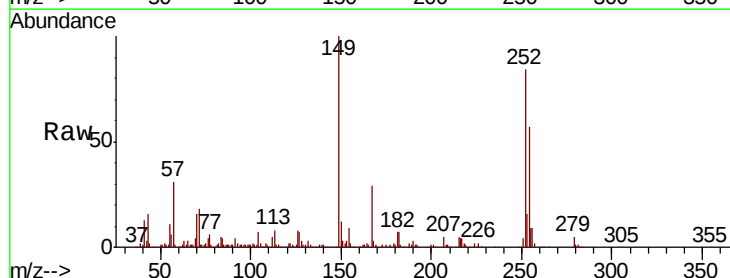
Tgt Ion:252 Resp: 167015

Ion Ratio Lower Upper

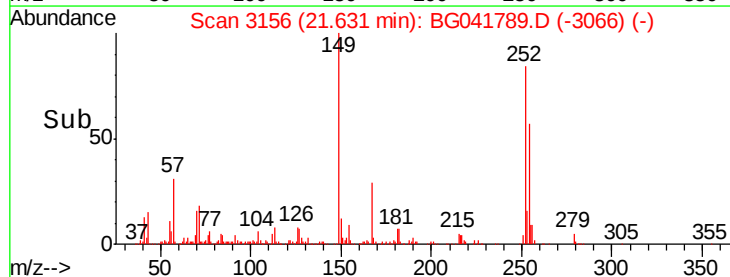
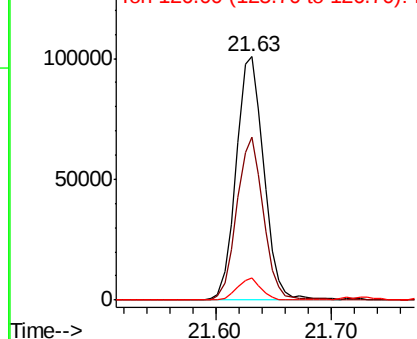
252 100

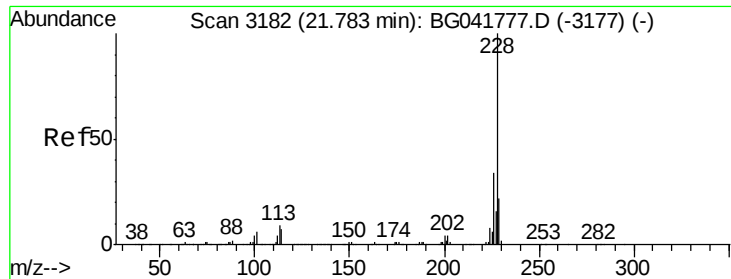
254 67.2 53.8 80.6

126 9.3 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: 10.714 ng

RT: 21.78 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

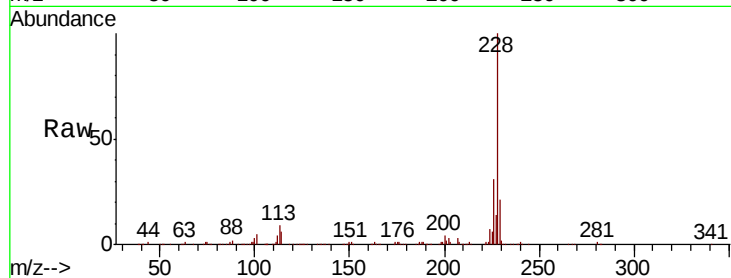
Tot Ion:228 Resp: 405658

Ion Ratio Lower Upper

228 100

226 31.3 30.1 45.1

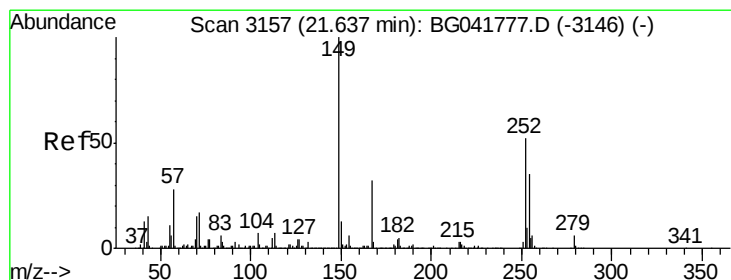
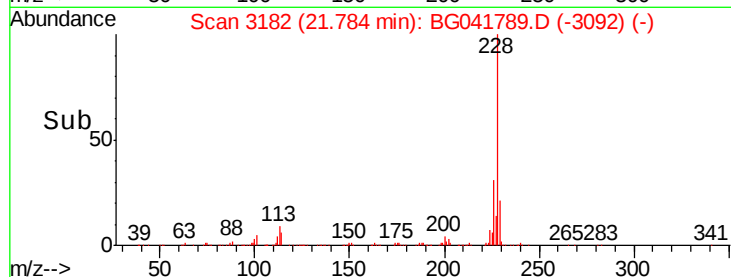
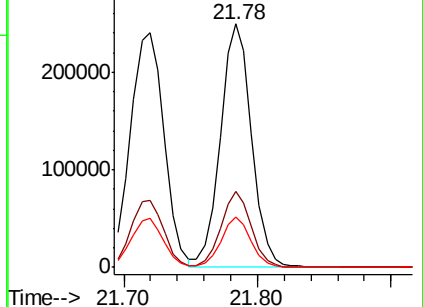
229 20.6 19.8 29.6



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: 10.169 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

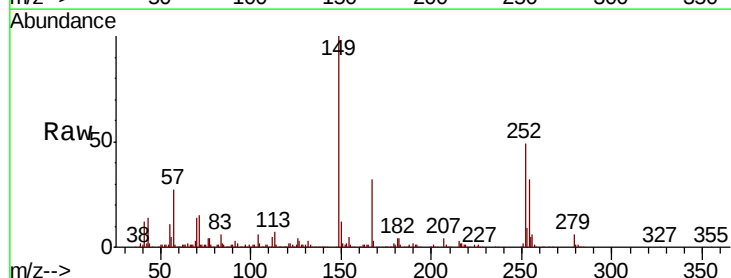
Tgt Ion:149 Resp: 212721

Ion Ratio Lower Upper

149 100

167 31.5 27.0 40.4

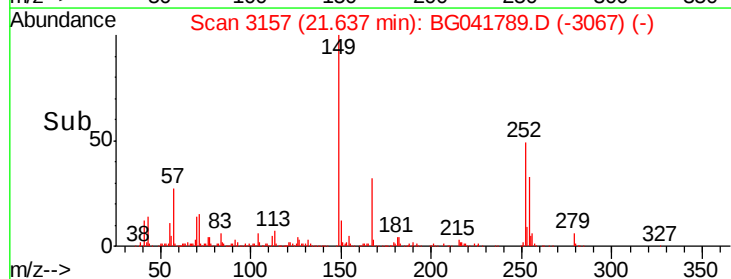
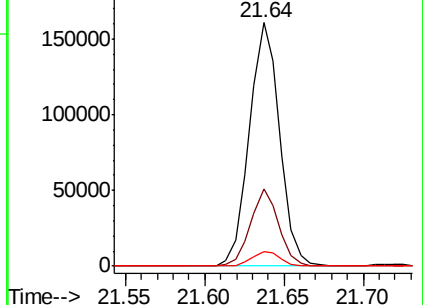
279 6.1 5.0 7.6

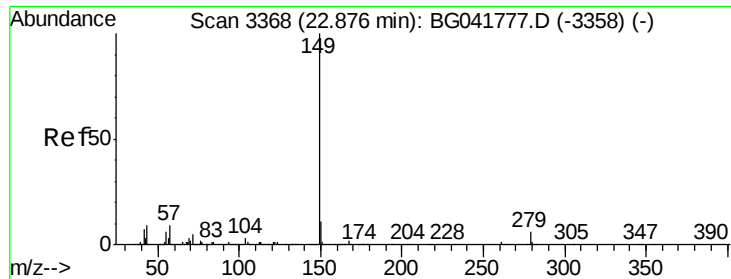


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 10.018 ng

RT: 22.88 min Scan# 3368

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

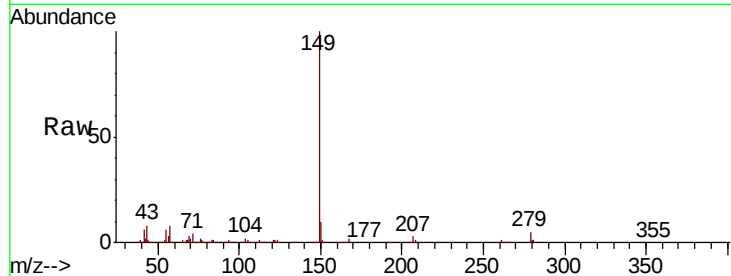
Tot Ion:149 Resp: 352682

Ion Ratio Lower Upper

149 100

167 1.6 1.6 2.4

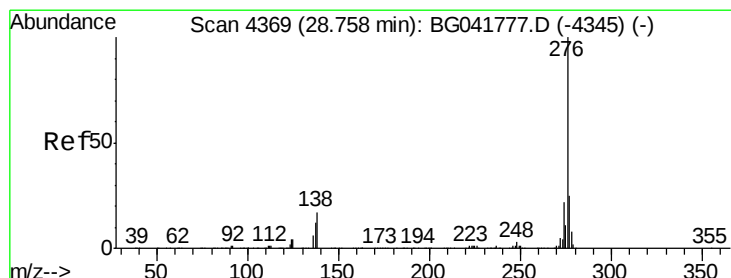
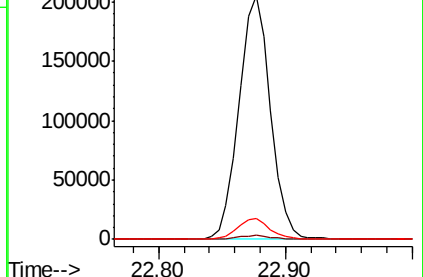
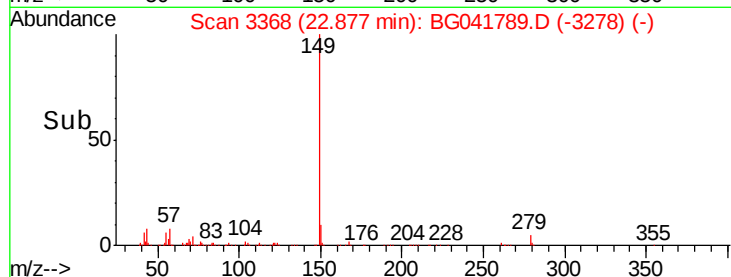
43 8.5 10.6 16.0#



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: 9.415 ng

RT: 28.75 min Scan# 4367

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

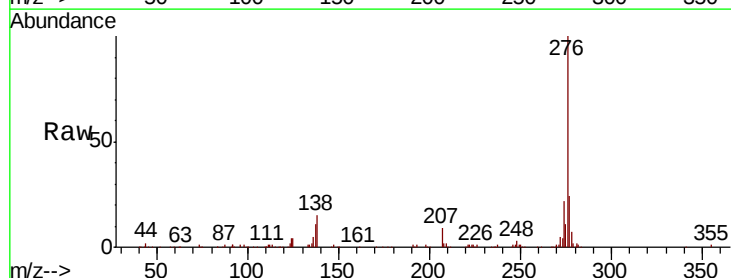
Tgt Ion:276 Resp: 471874

Ion Ratio Lower Upper

276 100

138 11.7 19.4 29.0#

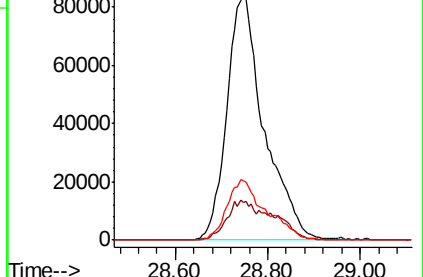
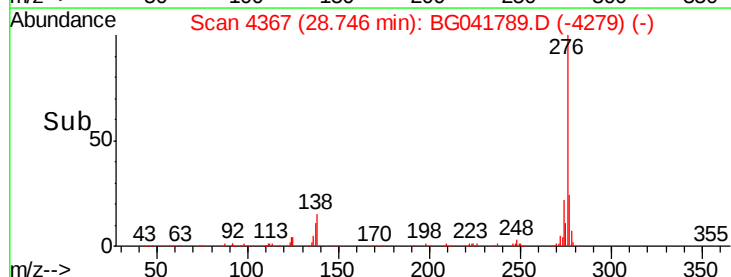
277 25.7 21.2 31.8

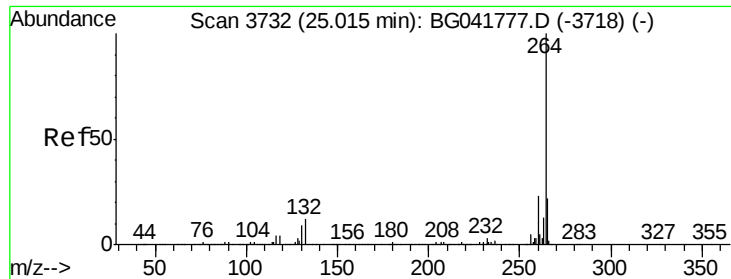


Abundance Ion 276.00 (275.70 to 276.70): E

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# 3732

Delta R.T. 0.00 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

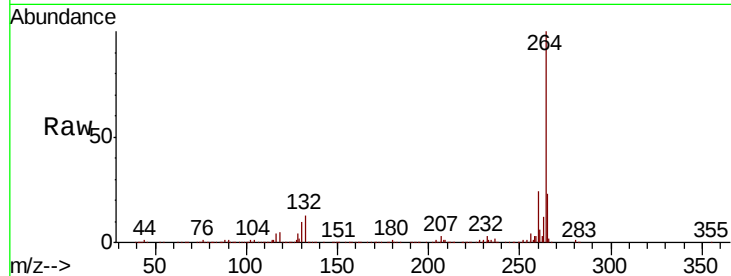
Tot Ion:264 Resp: 762281

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

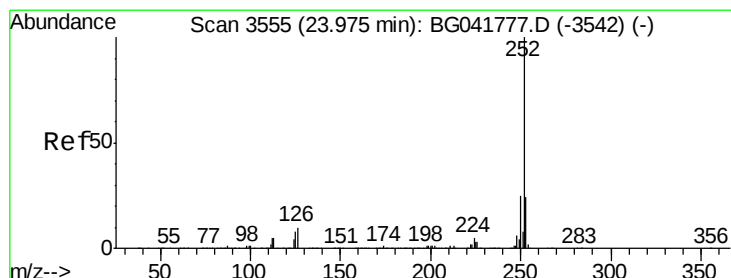
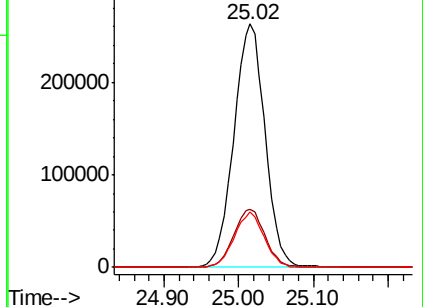
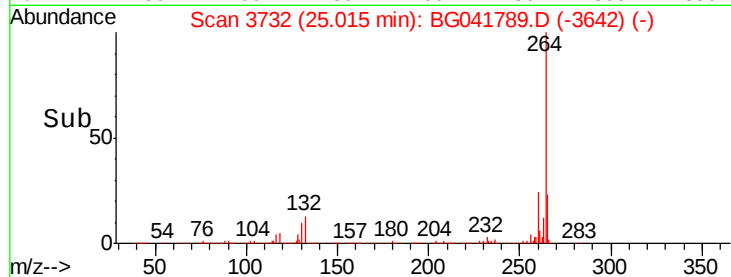
265 22.8 18.0 27.0



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: 10.146 ng

RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

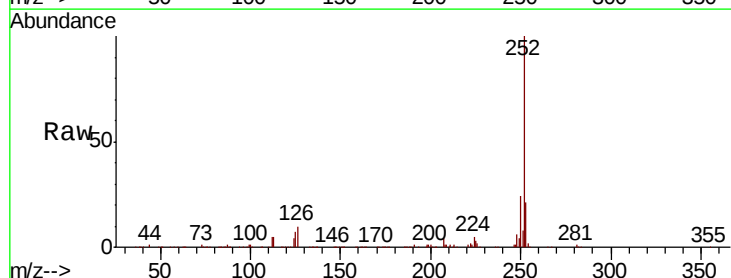
Tgt Ion:252 Resp: 423093

Ion Ratio Lower Upper

252 100

253 21.0 20.6 30.8

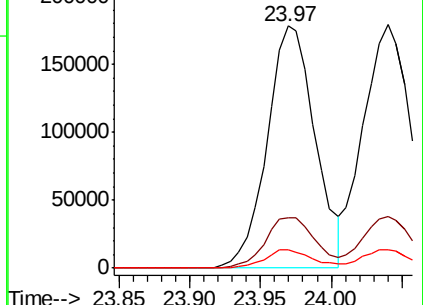
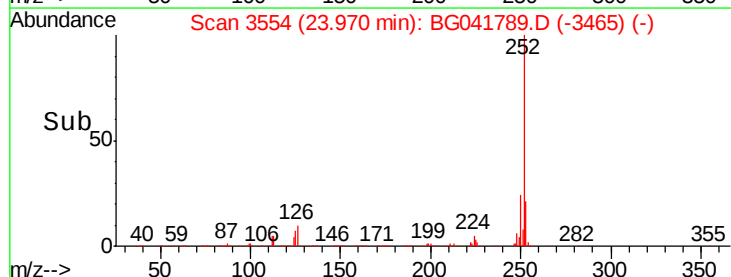
125 7.5 8.0 12.0#

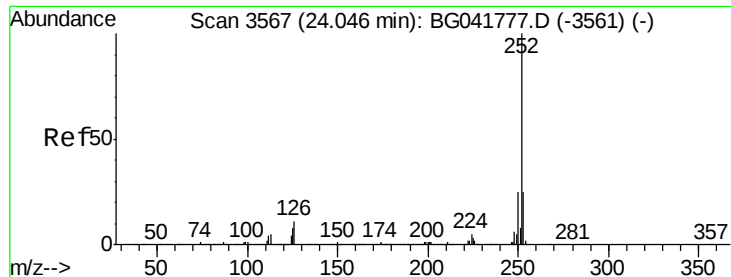


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

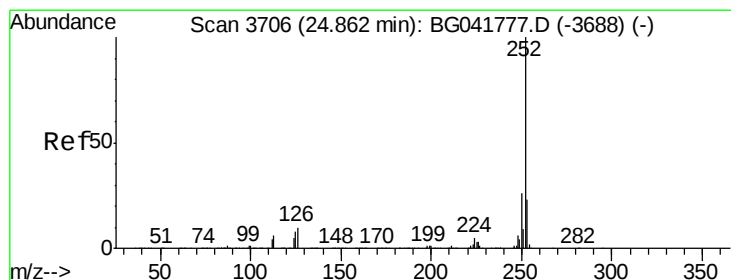
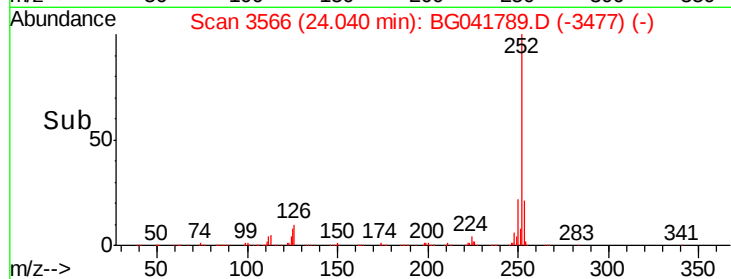
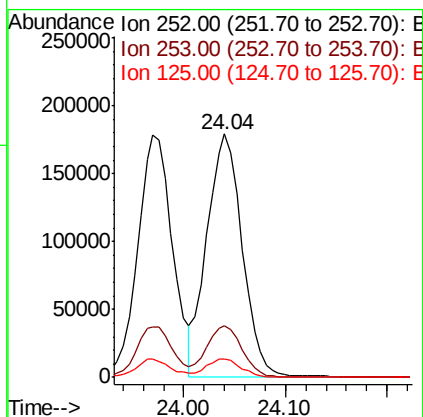
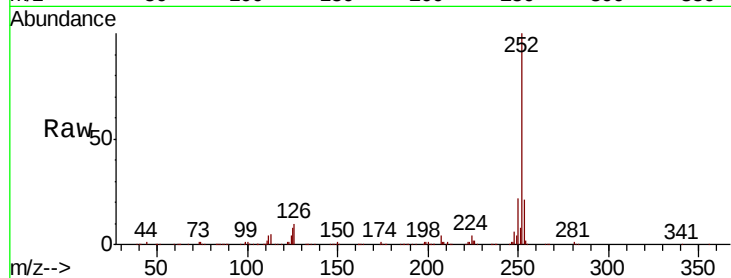




#89
Benzo(k)fluoranthene
Concen: 10.667 ng
RT: 24.04 min Scan# 3566
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

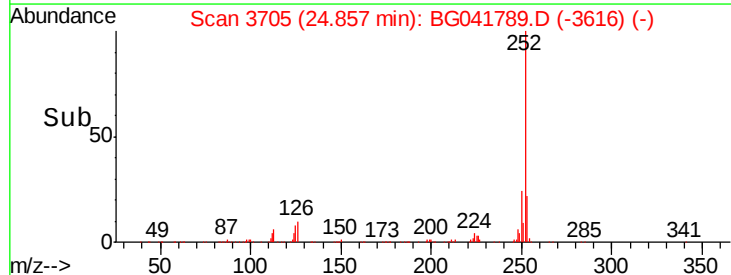
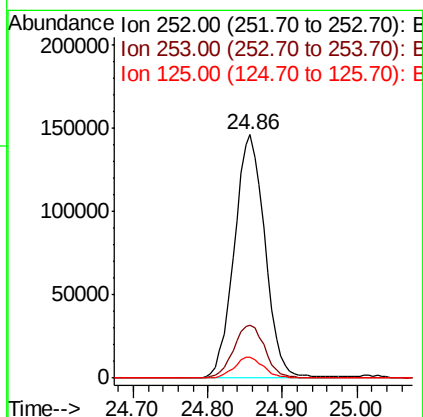
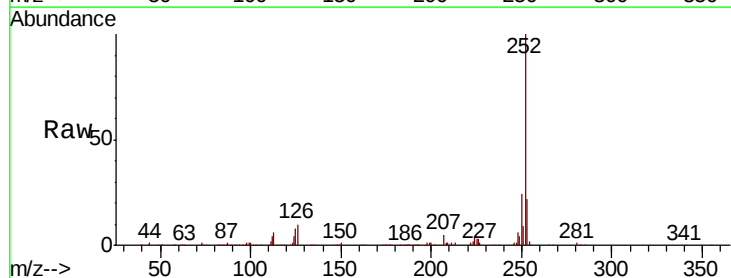
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2019

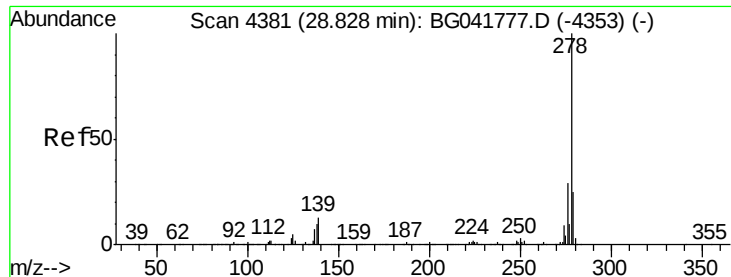
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	20.5	30.7
125	7.7	8.4	12.6#



#90
Benzo(a)pyrene
Concen: 10.429 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG041789.D
Acq: 29 Jul 2019 15:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.8	29.8
125	8.4	8.8	13.2#





#91

Dibenzo(a,h)anthracene

Concen: 9.952 ng

RT: 28.82 min Scan# 4379

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2019

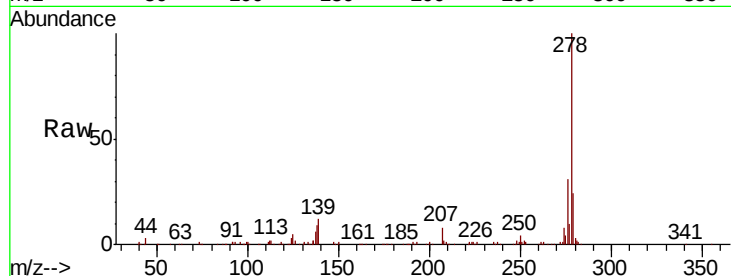
Tot Ion:278 Resp: 390832

Ion Ratio Lower Upper

278 100

139 12.1 12.6 19.0#

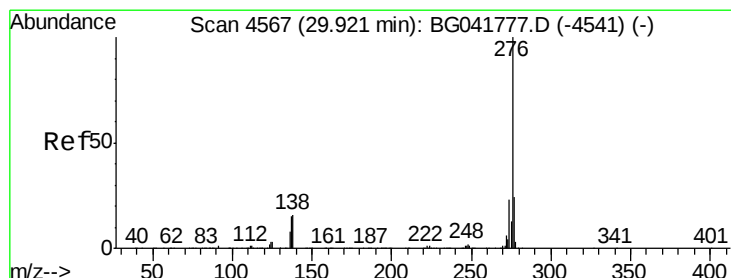
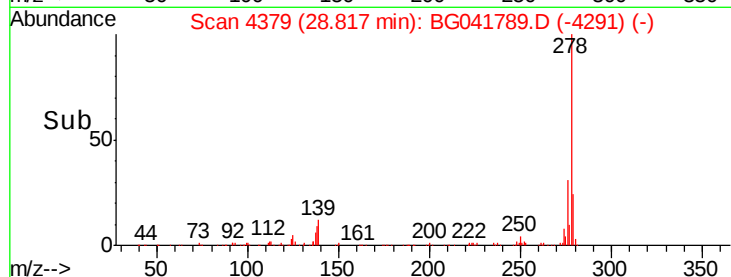
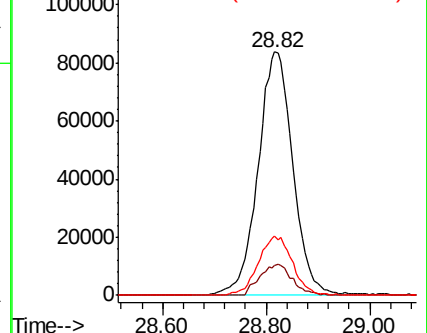
279 24.3 20.5 30.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 10.071 ng

RT: 29.91 min Scan# 4565

Delta R.T. -0.01 min

Lab File: BG041789.D

Acq: 29 Jul 2019 15:05

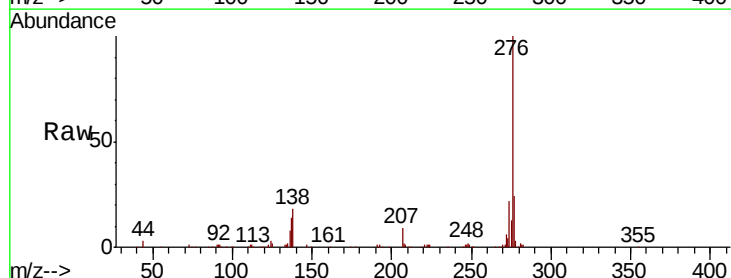
Tgt Ion:276 Resp: 395120

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.8

138 17.9 16.6 25.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

