

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045427.D
 Acq On : 19 May 2020 16:45
 Operator : CG/JU
 Sample : L2182-01
 Misc : SOIL - LOD - 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: May 20 05:50:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 00:13:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	79400	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	332012	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	240934	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	560631	20.00	ng	0.00
76) Chrysene-d12	21.62	240	570761	20.00	ng	0.00
87) Perylene-d12	24.76	264	612500	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	524349	129.06	ng	0.00
7) Phenol-d6	7.19	99	763849	132.09	ng	0.00
23) Nitrobenzene-d5	9.13	82	525376	86.29	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	434502	141.01	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1274380	89.72	ng	0.00
79) Terphenyl-d14	19.97	244	2350530	96.05	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	14379	7.137	ng	97
3) Pyridine	3.82	79	30156	5.374	ng	97
4) n-Nitrosodimethylamine	3.73	42	9575	5.215	ng	# 93
6) Aniline	7.29	93	50769	6.726	ng	96
8) 2-Chlorophenol	7.55	128	31899	7.160	ng	91
9) Benzaldehyde	7.09	77	31248	8.294	ng	93
10) Phenol	7.22	94	43348	7.273	ng	91
11) bis(2-Chloroethyl)ether	7.38	93	33198	7.141	ng	98
12) 1,3-Dichlorobenzene	7.85	146	36069	6.737	ng	90
13) 1,4-Dichlorobenzene	8.01	146	37488	7.095	ng	96
14) 1,2-Dichlorobenzene	8.32	146	35984	7.081	ng	92
15) Benzyl Alcohol	8.22	79	32291	6.760	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	31673	7.178	ng	97
17) 2-Methylphenol	8.46	107	29704	6.659	ng	95
18) Hexachloroethane	9.05	117	14026	6.931	ng	# 82
19) n-Nitroso-di-n-propylamine	8.77	70	30154	7.541	ng	# 88
20) 3+4-Methylphenols	8.79	107	39359m	6.479	ng	
22) Acetophenone	8.79	105	57891	7.357	ng	# 92
24) Nitrobenzene	9.17	77	44775	6.864	ng	# 95
25) Isophorone	9.69	82	85969	7.170	ng	98
26) 2-Nitrophenol	9.89	139	19098	6.844	ng	# 80
27) 2,4-Dimethylphenol	9.98	122	32270	7.797	ng	92
28) bis(2-Chloroethoxy)methane	10.18	93	45789	7.282	ng	# 92
29) 2,4-Dichlorophenol	10.46	162	33029	6.758	ng	87
30) 1,2,4-Trichlorobenzene	10.64	180	41123	7.121	ng	97
31) Naphthalene	10.82	128	108543	7.016	ng	99
32) Benzoic acid	10.11	122	16320m	6.566	ng	
33) 4-Chloroaniline	10.94	127	45029	6.963	ng	98
34) Hexachlorobutadiene	11.11	225	26322	6.448	ng	98
35) Caprolactam	11.68	113	13711	7.643	ng	86
36) 4-Chloro-3-methylphenol	12.11	107	40305	7.319	ng	98
37) 2-Methylnaphthalene	12.43	142	86477	7.499	ng	95
38) 1-Methylnaphthalene	12.65	142	86244m	7.917	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	48094	7.147	ng	98

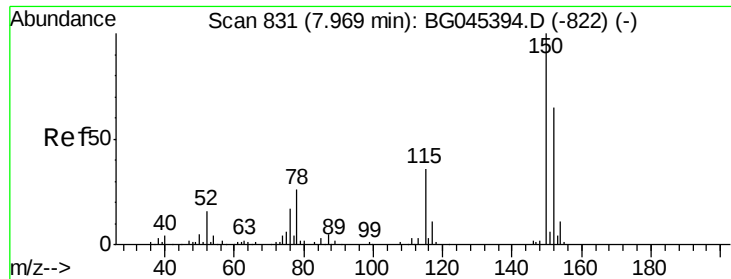
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045427.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	20840	5.365	nq	93
43) 2,4,6-Trichlorophenol	13.06	196	31972	6.839	nq	97
44) 2,4,5-Trichlorophenol	13.15	196	33759	6.319	nq	93
46) 1,1'-Biphenyl	13.44	154	111627	7.540	nq	99
47) 2-Chloronaphthalene	13.48	162	86727	7.214	nq	96
48) 2-Nitroaniline	13.69	65	25269	6.390	nq	# 80
49) Acenaphthylene	14.33	152	149081	7.720	nq	# 96
50) Dimethylphthalate	14.06	163	126839	7.674	nq	# 95
51) 2,6-Dinitrotoluene	14.18	165	29301	7.857	nq	92
52) Acenaphthene	14.67	154	84657	6.550	nq	94
53) 3-Nitroaniline	14.52	138	23883	6.300	nq	# 92
54) 2,4-Dinitrophenol	14.73	184	3561	1.644	nq	# 85
55) Dibenzofuran	15.01	168	148142	7.718	nq	97
56) 4-Nitrophenol	14.91	139	16123	5.617	nq	94
57) 2,4-Dinitrotoluene	14.97	165	40130	7.430	nq	92
58) Fluorene	15.65	166	121890	7.730	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	30847m	6.563	nq	
60) Diethylphthalate	15.42	149	136065	7.909	nq	98
61) 4-Chlorophenyl-phenylether	15.65	204	65582	7.268	nq	97
62) 4-Nitroaniline	15.69	138	29371	7.421	nq	# 83
63) Azobenzene	15.94	77	122231	7.620	nq	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	16871	5.167	nq	98
66) n-Nitrosodiphenylamine	15.87	169	111882	8.312	nq	96
67) 4-Bromophenyl-phenylether	16.54	248	42786	7.048	nq	97
68) Hexachlorobenzene	16.66	284	50237	7.912	nq	95
69) Atrazine	16.82	200	43896	7.917	nq	95
70) Pentachlorophenol	17.03	266	7631	2.315	nq	94
71) Phenanthrene	17.40	178	207863	8.493	nq	99
72) Anthracene	17.49	178	217177	8.836	nq	97
73) Carbazole	17.77	167	201548	8.413	nq	95
74) Di-n-butylphthalate	18.32	149	244309	8.496	nq	97
75) Fluoranthene	19.41	202	273361	8.781	nq	98
77) Benzidine	19.59	184	116464	7.265	nq	97
78) Pyrene	19.77	202	279981	8.605	nq	99
80) Butylbenzylphthalate	20.66	149	111330	7.928	nq	100
81) Benzo(a)anthracene	21.59	228	269762	8.484	nq	97
82) 3,3'-Dichlorobenzidine	21.52	252	107074	8.585	nq	100
83) Chrysene	21.66	228	260043	8.506	nq	96
84) Bis(2-ethylhexyl)phthalate	21.51	149	157314	8.149	nq	98
85) Di-n-octyl phthalate	22.70	149	268800	8.107	nq	100
86) Indeno(1,2,3-cd)pyrene	28.34	276	311212	7.784	nq	# 98
88) Benzo(b)fluoranthene	23.77	252	268827	8.184	nq	97
89) Benzo(k)fluoranthene	23.83	252	263254	8.530	nq	98
90) Benzo(a)pyrene	24.62	252	244245	7.984	nq	# 98
91) Dibenzo(a,h)anthracene	28.40	278	257295	8.369	nq	96
92) Benzo(g,h,i)perylene	29.46	276	257570	8.377	nq	96

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

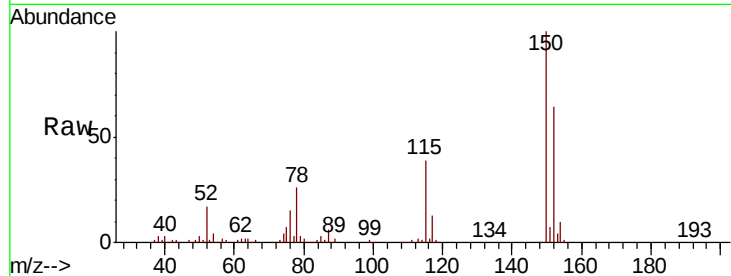


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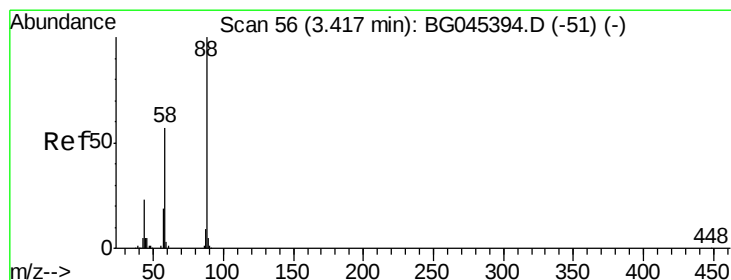
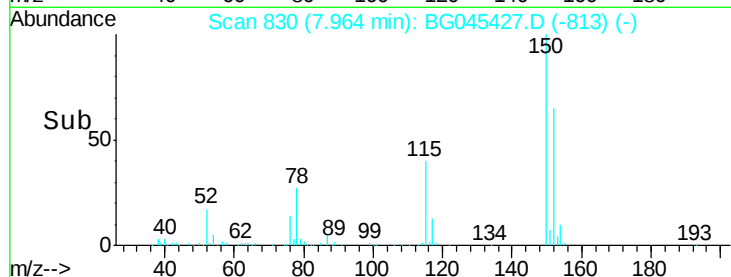
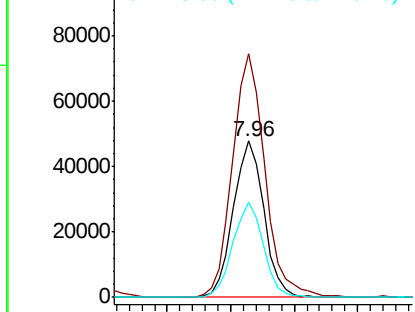
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:152 Resp: 79400
Ion Ratio Lower Upper
152 100
150 155.8 122.4 183.6
115 61.0 44.2 66.4



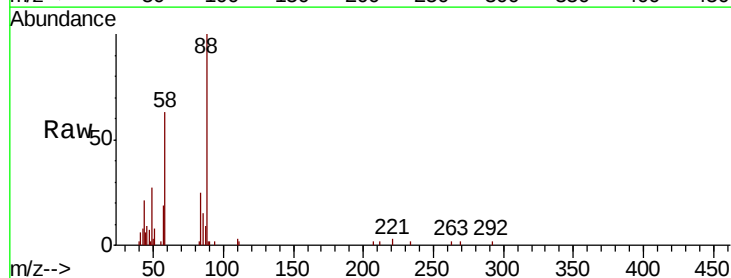
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



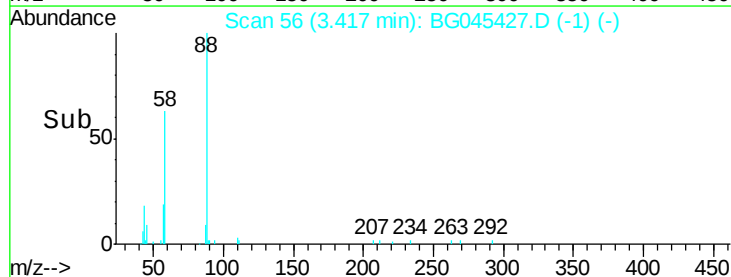
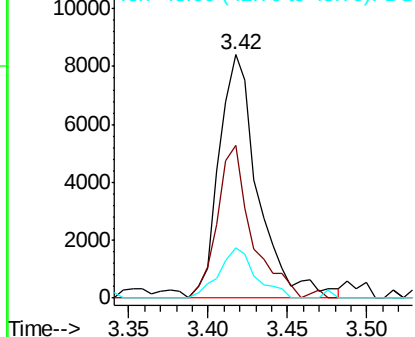
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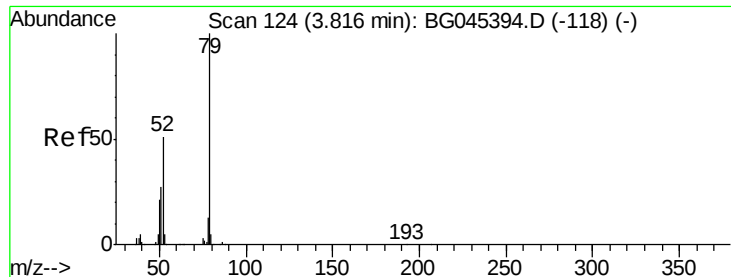
1,4-Dioxane
Concen: 7.137 ng
RT: 3.42 min Scan# 56
Delta R.T. 0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion: 88 Resp: 14379
Ion Ratio Lower Upper
88 100
58 55.2 45.7 68.5
43 19.3 16.8 25.2



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: 5.374 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

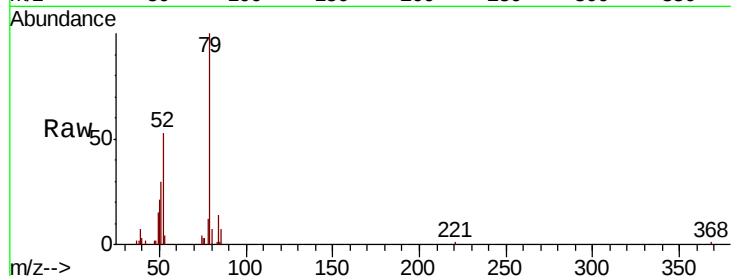
Tot Ion: 79 Resp: 30156

Ion Ratio Lower Upper

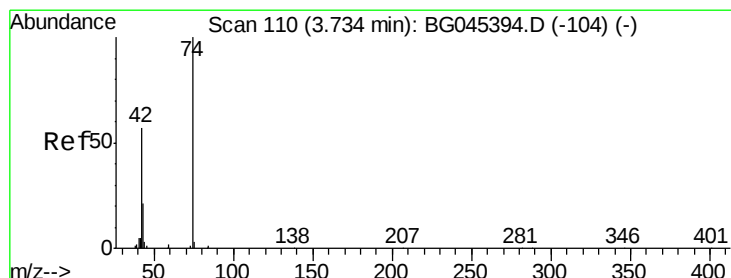
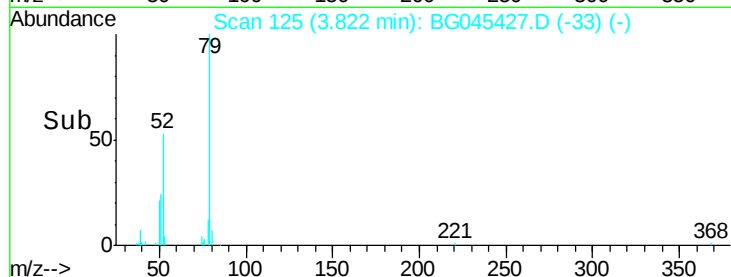
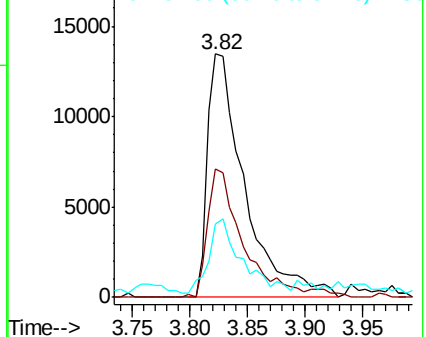
79 100

52 52.7 40.8 61.2

51 30.1 21.9 32.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 5.215 ng

RT: 3.73 min Scan# 110

Delta R.T. 0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

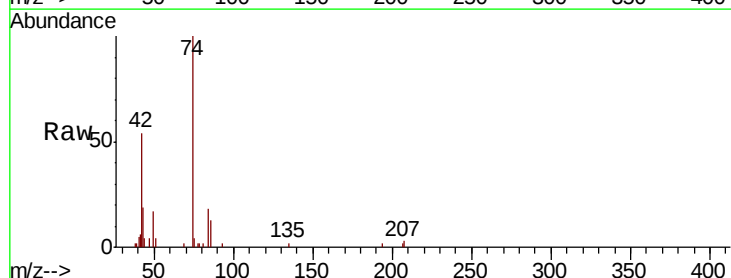
Tgt Ion: 42 Resp: 9575

Ion Ratio Lower Upper

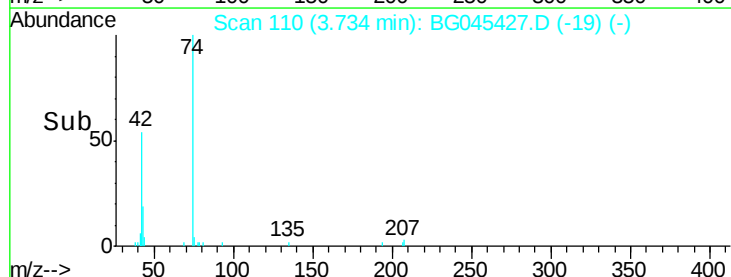
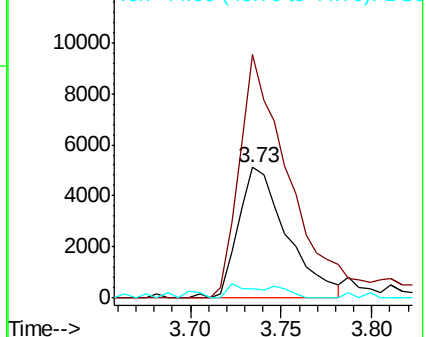
42 100

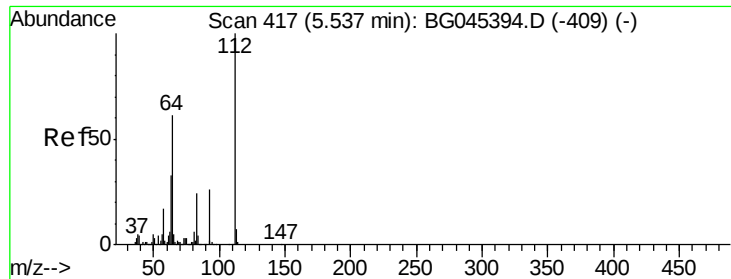
74 186.2 141.3 211.9

44 7.6 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 129.060 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

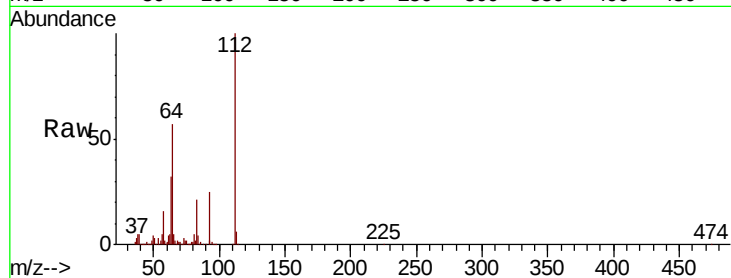
Tot Ion:112 Resp: 524349

Ion Ratio Lower Upper

112 100

64 57.1 48.6 72.8

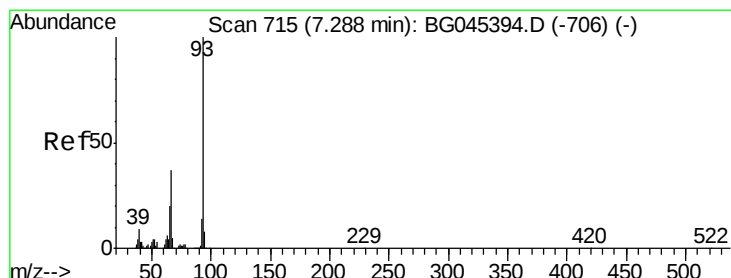
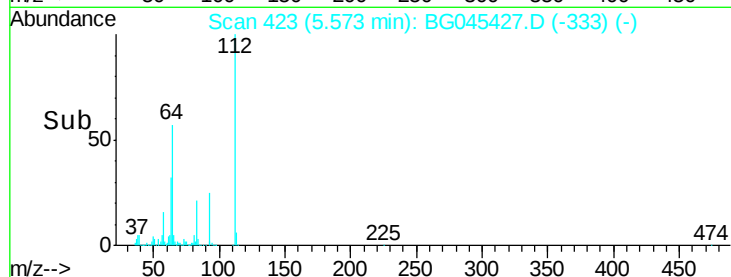
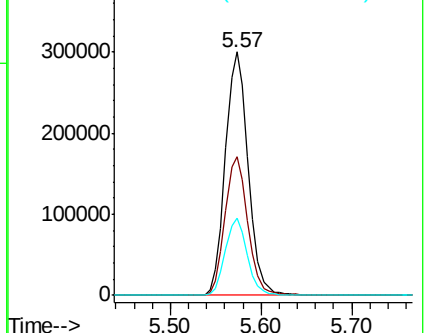
63 31.9 26.5 39.7



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: 6.726 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

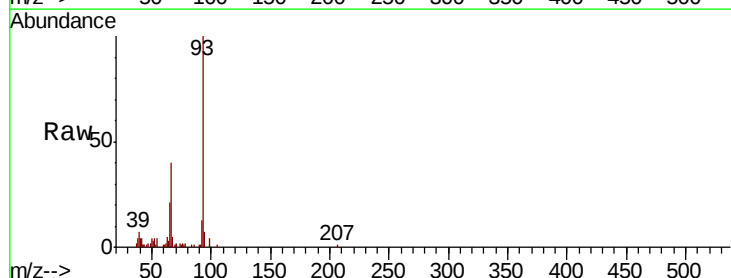
Tgt Ion: 93 Resp: 50769

Ion Ratio Lower Upper

93 100

66 39.9 29.6 44.4

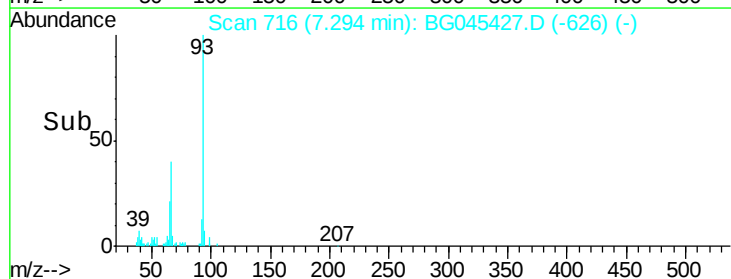
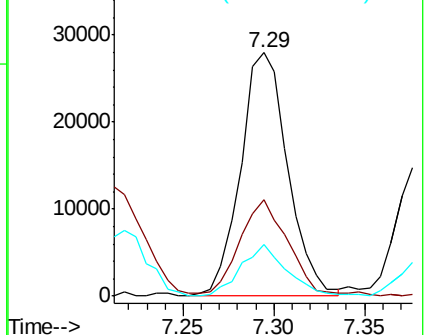
65 21.4 15.9 23.9

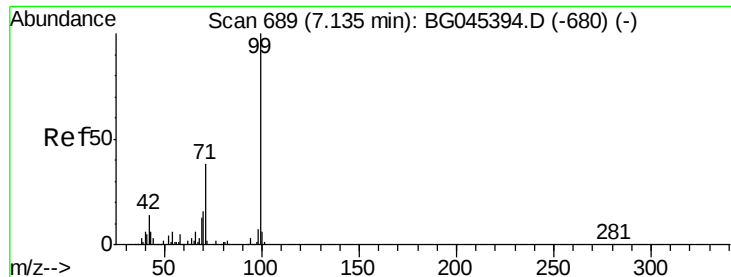


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 132.093 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

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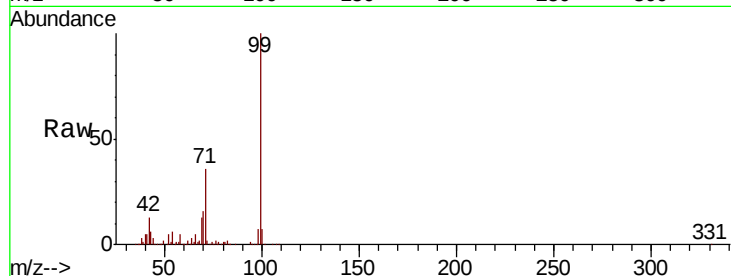
Tot Ion: 99 Resp: 763849

Ion Ratio Lower Upper

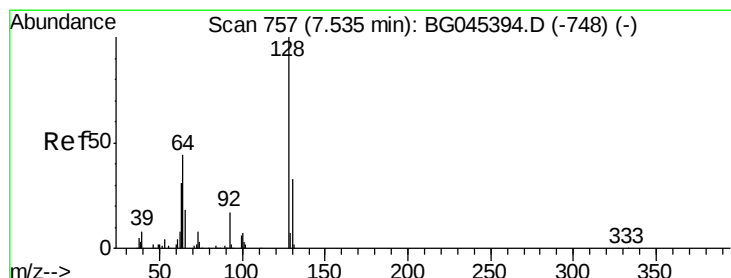
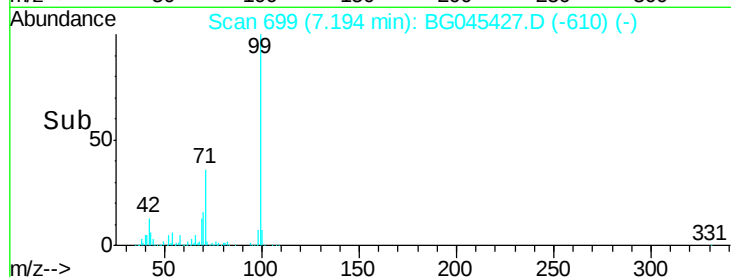
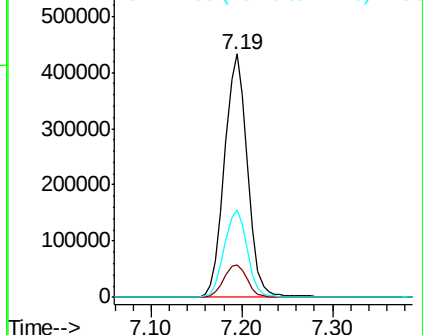
99 100

42 13.3 11.3 16.9

71 35.8 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 7.160 ng

RT: 7.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

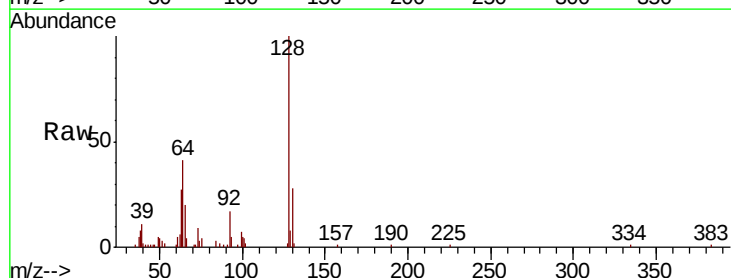
Tgt Ion: 128 Resp: 31899

Ion Ratio Lower Upper

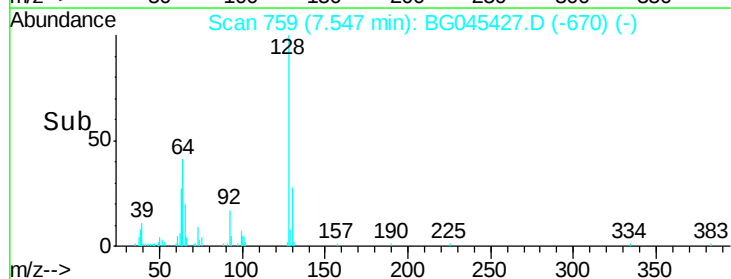
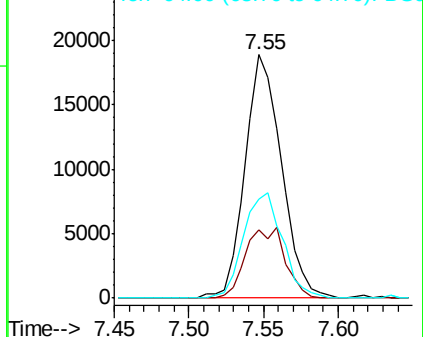
128 100

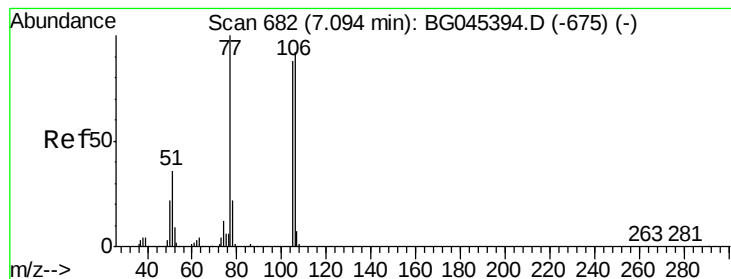
130 27.8 12.6 52.6

64 40.6 27.0 67.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 8.294 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

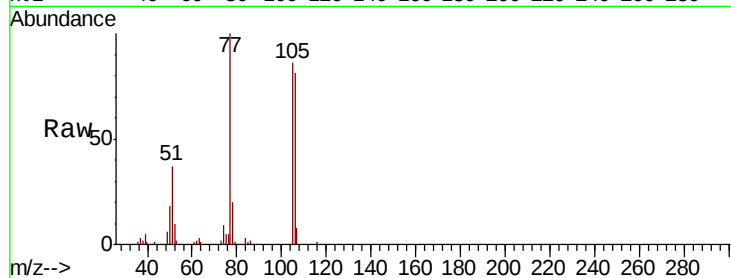
Tot Ion: 77 Resp: 31248

Ion Ratio Lower Upper

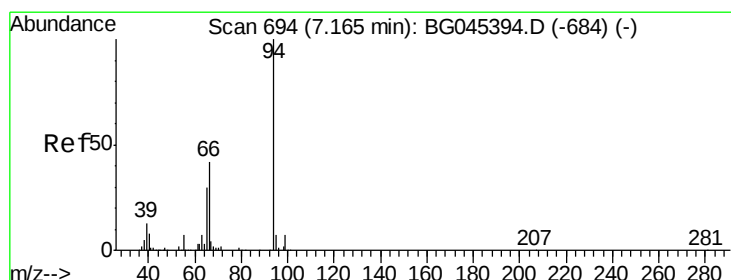
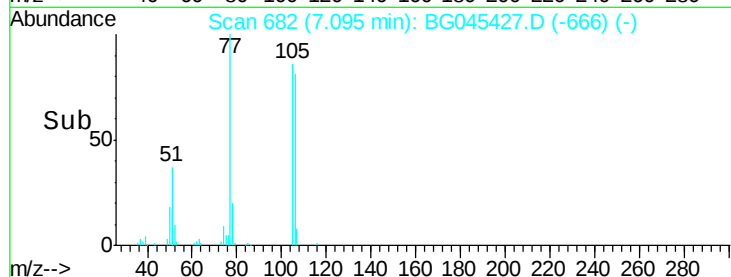
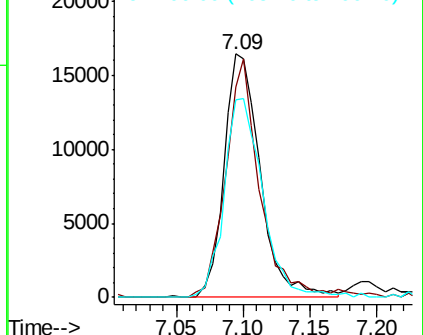
77 100

105 86.4 68.5 108.5

106 81.1 71.6 111.6



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: 7.273 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

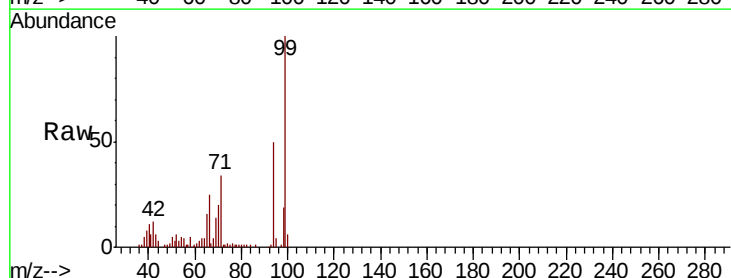
Tgt Ion: 94 Resp: 43348

Ion Ratio Lower Upper

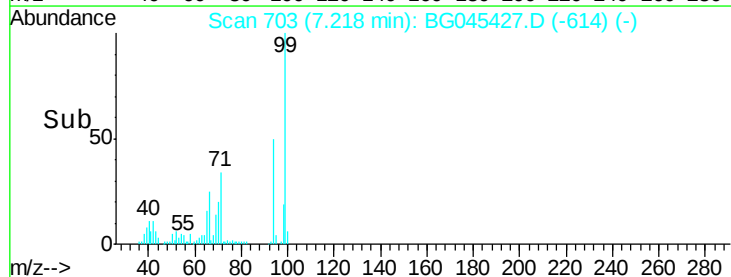
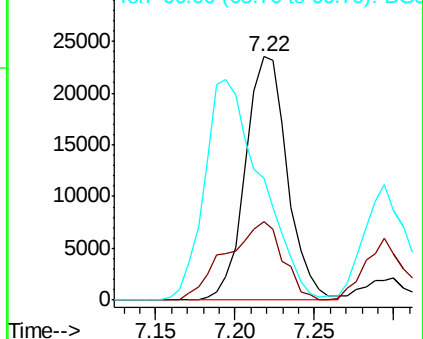
94 100

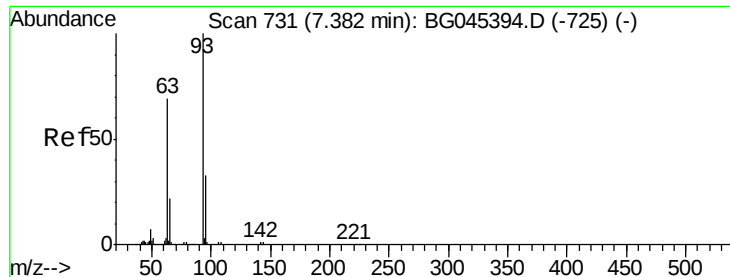
65 32.4 9.8 49.8

66 49.9 22.0 62.0



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

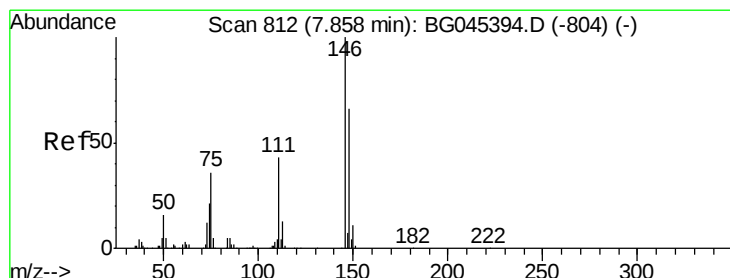
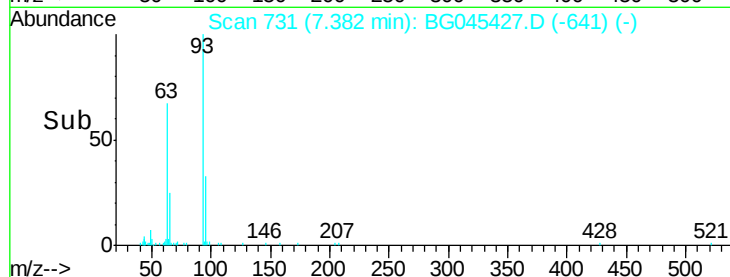
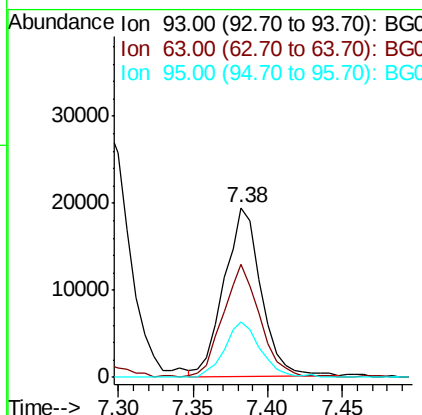
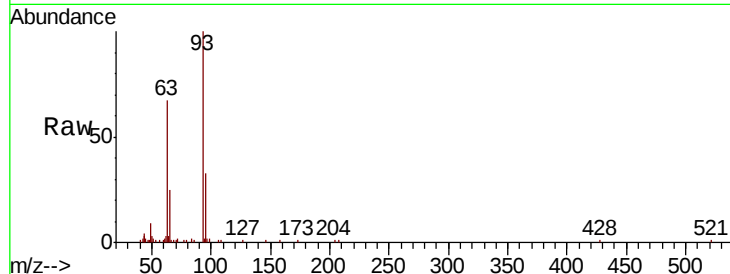




#11
bis(2-Chloroethyl)ether
Concen: 7.141 ng
RT: 7.38 min Scan# 731
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

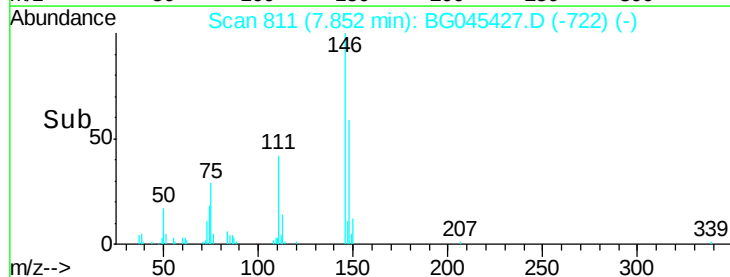
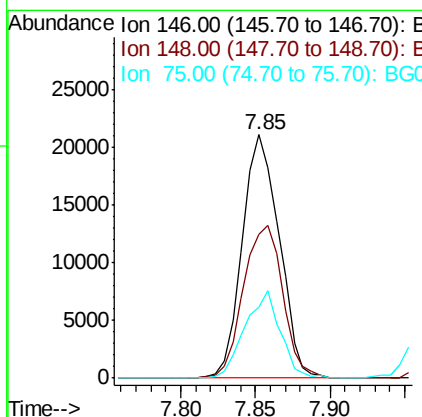
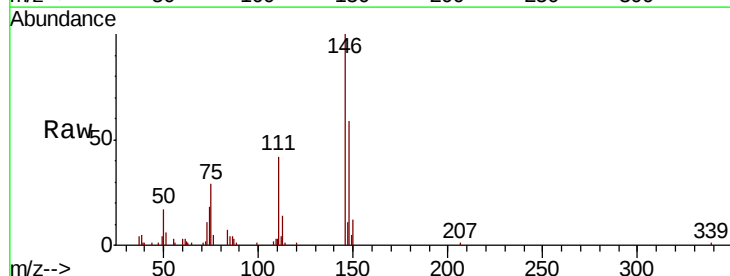
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

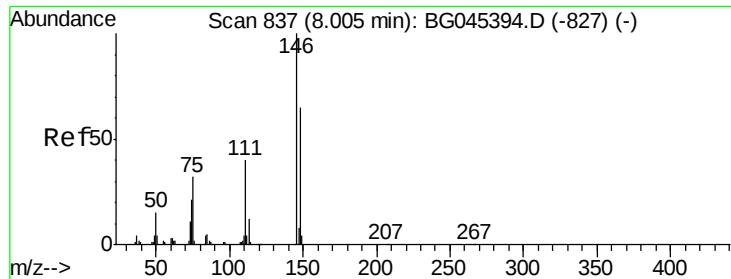
Tot Ion: 93 Resp: 33198
Ion Ratio Lower Upper
93 100
63 66.5 48.4 88.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 6.737 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion: 146 Resp: 36069
Ion Ratio Lower Upper
146 100
148 59.1 53.2 79.8
75 28.9 28.6 43.0

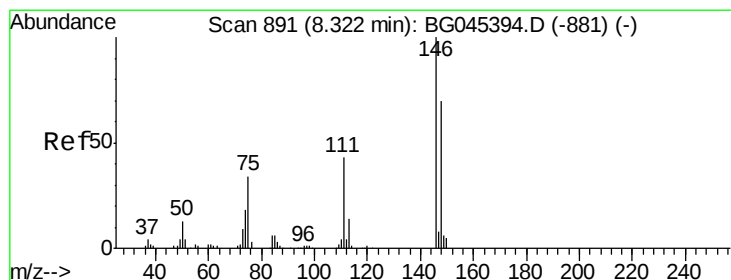
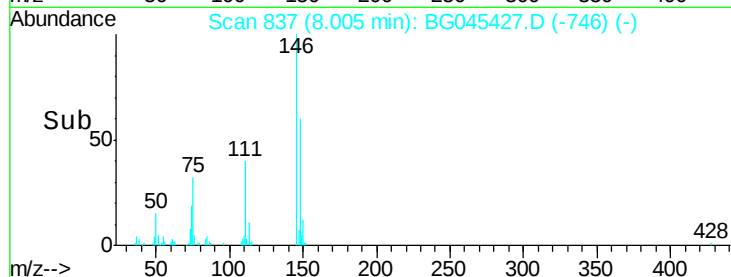
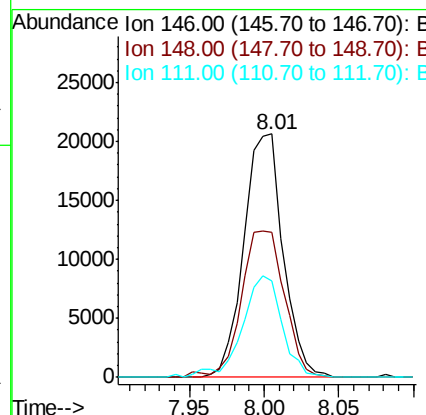
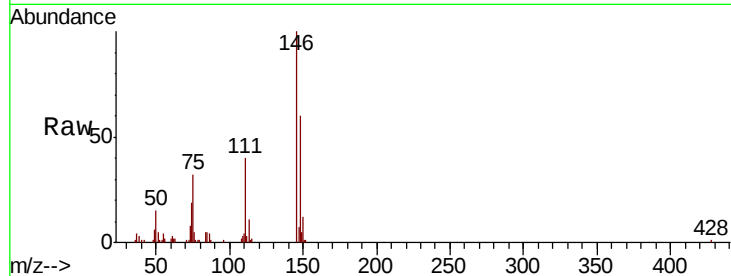




#13
 1,4-Dichlorobenzene
 Concen: 7.095 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

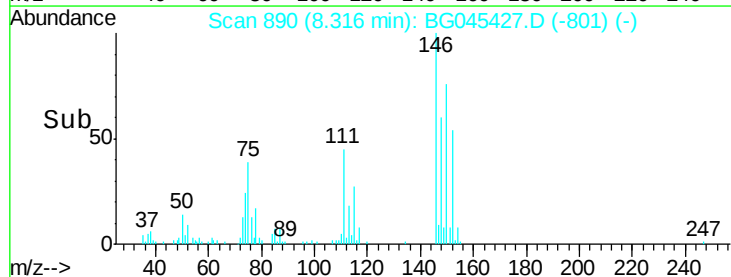
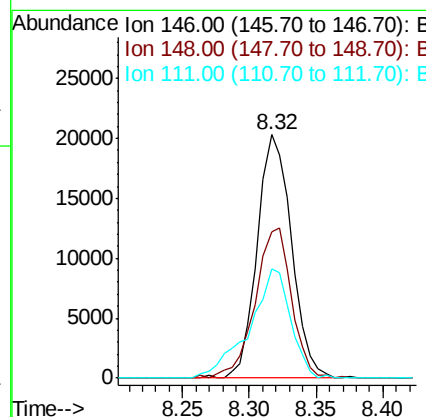
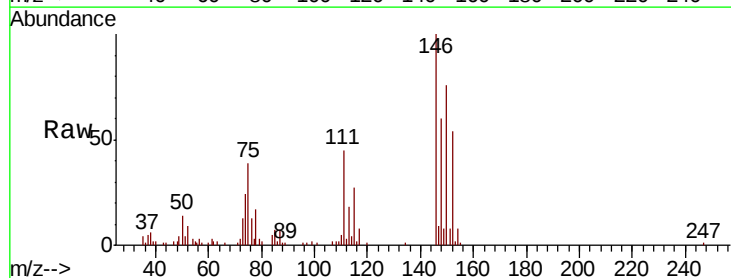
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

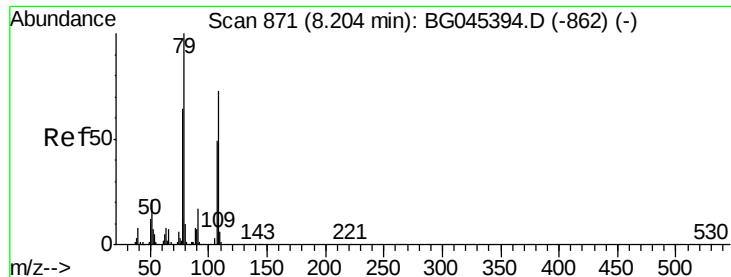
Tot Ion:146 Resp: 37488
 Ion Ratio Lower Upper
 146 100
 148 59.5 51.8 77.8
 111 39.7 32.1 48.1



#14
 1,2-Dichlorobenzene
 Concen: 7.081 ng
 RT: 8.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Tgt Ion:146 Resp: 35984
 Ion Ratio Lower Upper
 146 100
 148 60.1 55.9 83.9
 111 44.9 35.0 52.4





#15

Benzyl Alcohol

Concen: 6.760 ng

RT: 8.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

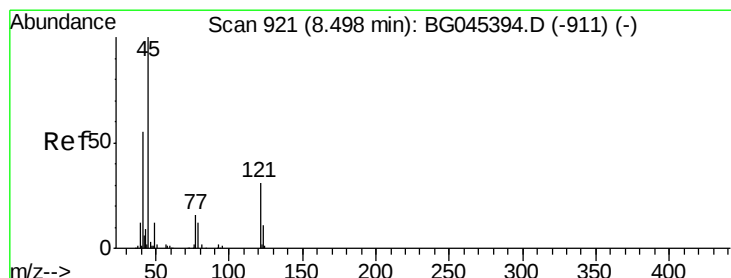
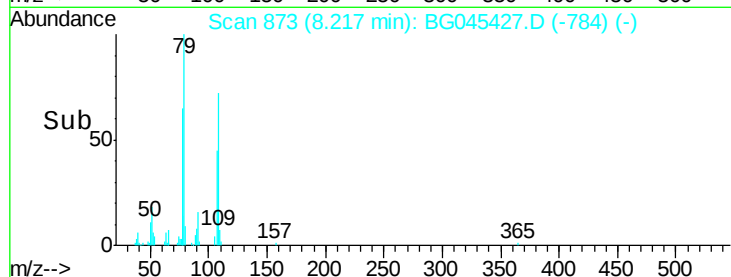
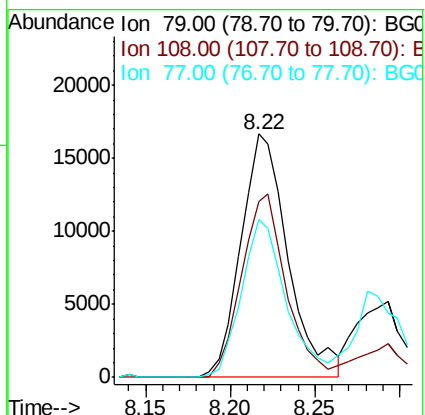
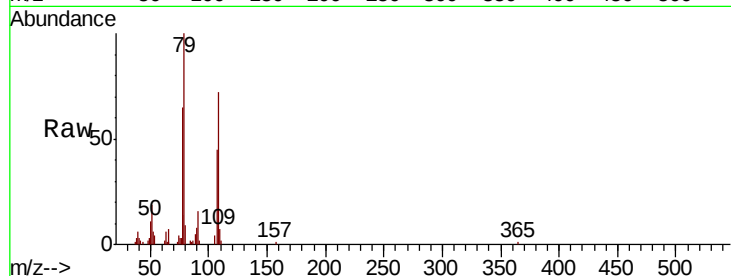
Tot Ion: 79 Resp: 32291

Ion Ratio Lower Upper

79 100

108 72.4 58.2 87.4

77 64.7 51.0 76.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.178 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

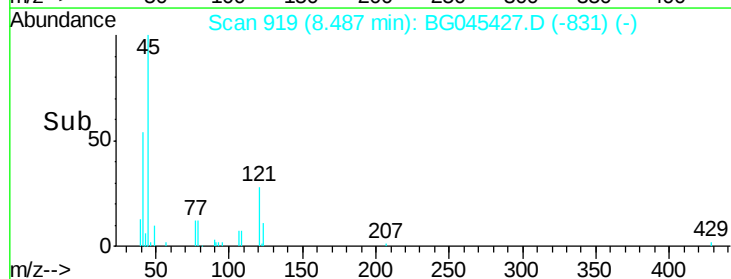
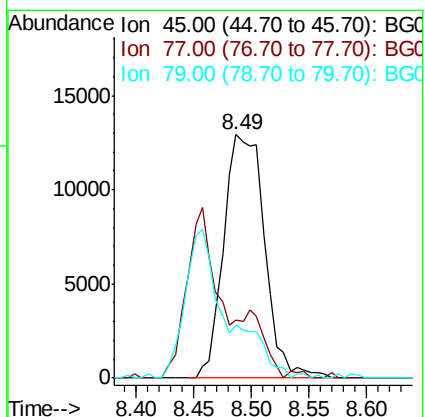
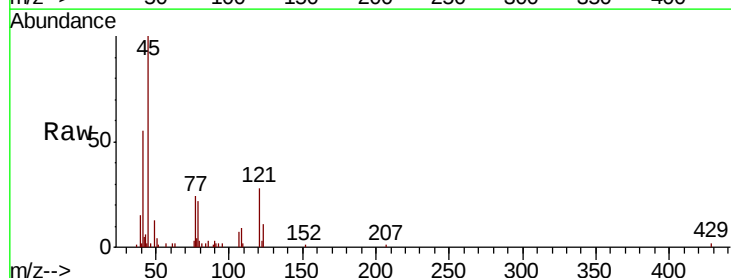
Tgt Ion: 45 Resp: 31673

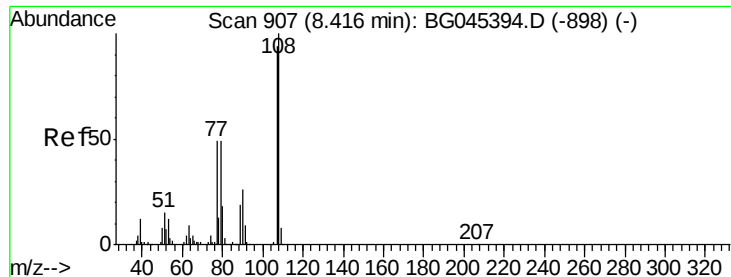
Ion Ratio Lower Upper

45 100

77 23.8 4.0 44.0

79 21.9 0.0 38.6





#17

2-Methylphenol

Concen: 6.659 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 29704

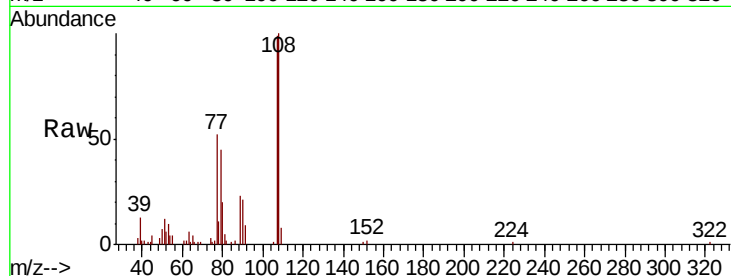
Ion Ratio Lower Upper

107 100

108 100.9 85.2 127.8

77 52.6 41.6 62.4

79 45.8 41.8 62.8

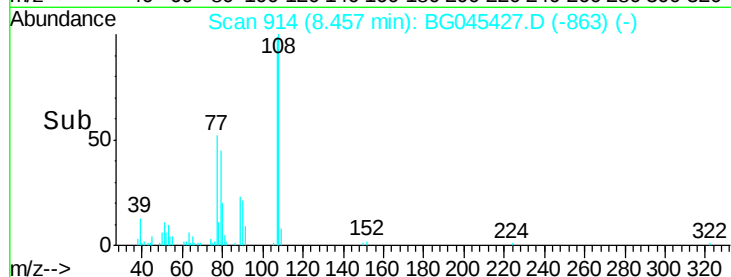


Abundance Ion 107.00 (106.70 to 107.70): E

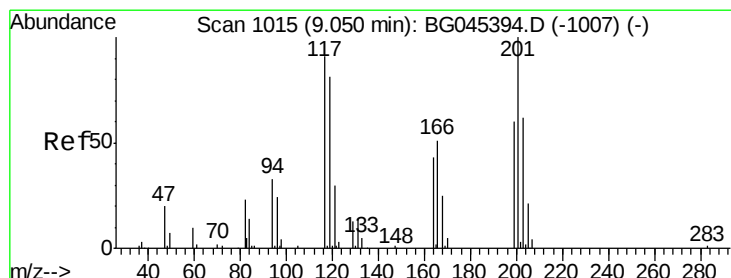
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 6.931 ng

RT: 9.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

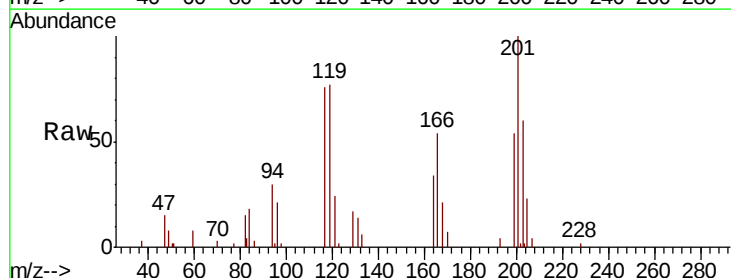
Tgt Ion:117 Resp: 14026

Ion Ratio Lower Upper

117 100

119 102.0 71.3 106.9

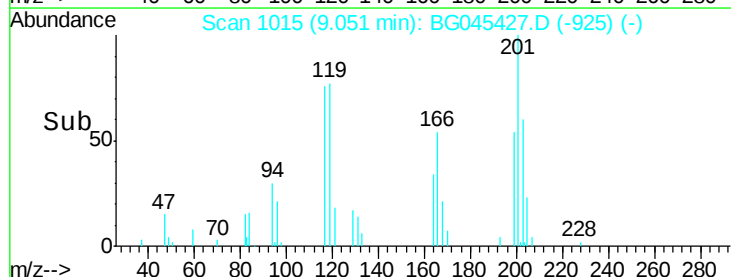
201 131.7 87.5 131.3#



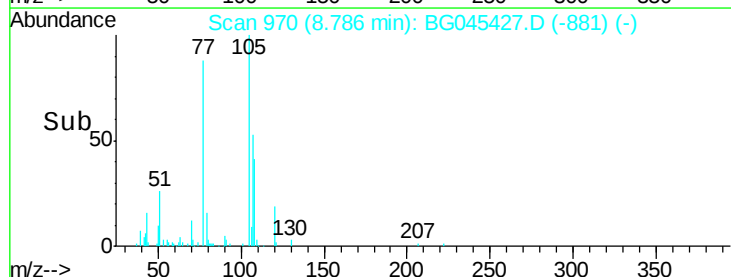
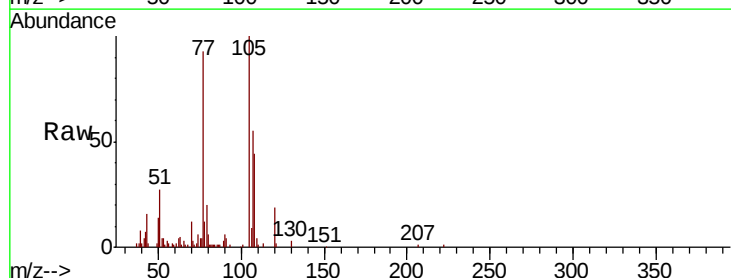
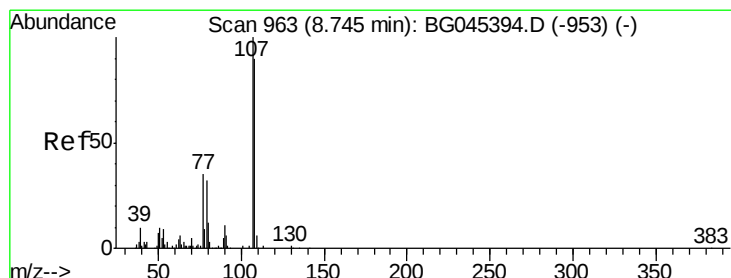
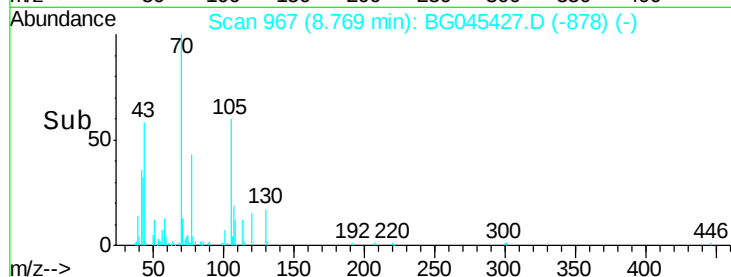
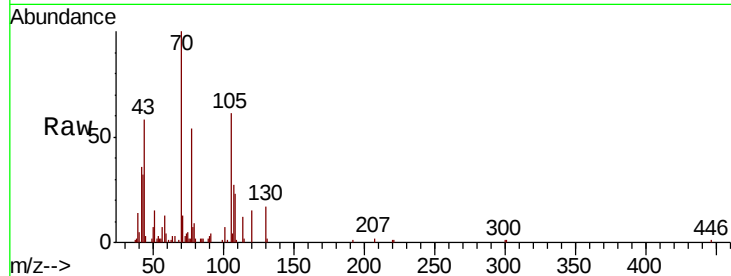
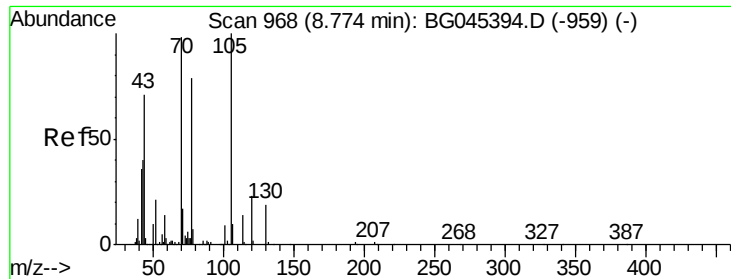
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



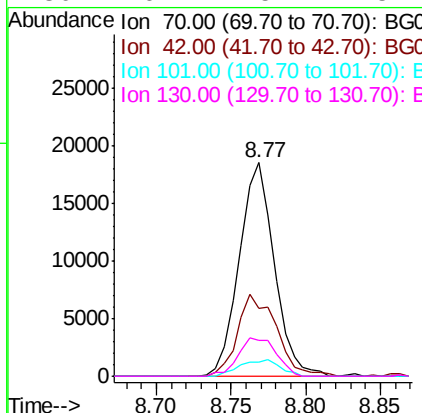
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 7.541 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

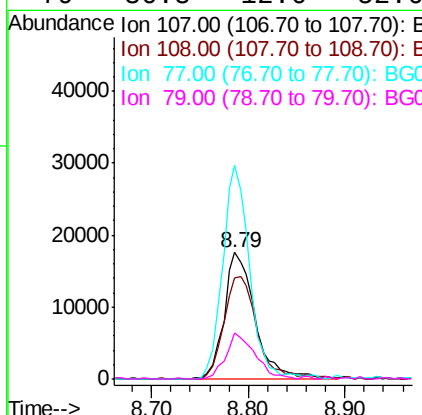
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

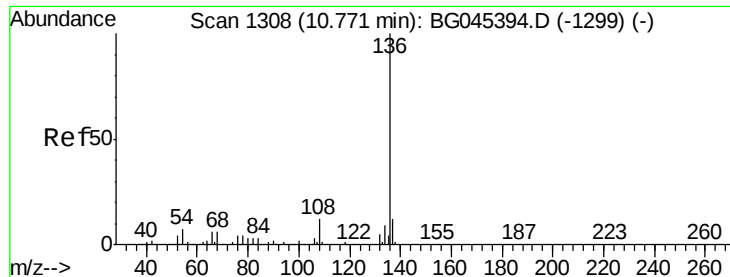
Tot Ion: 70 Resp: 30154
Ion Ratio Lower Upper
70 100
42 31.8 33.2 49.8#
101 6.7 7.8 11.6#
130 16.7 15.4 23.2



#20
3+4-Methylphenols
Concen: 6.479 ng m
RT: 8.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion: 107 Resp: 39359
Ion Ratio Lower Upper
107 100
108 80.0 70.3 110.3
77 169.2 15.4 55.4#
79 36.8 12.6 52.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136 Resp: 332012

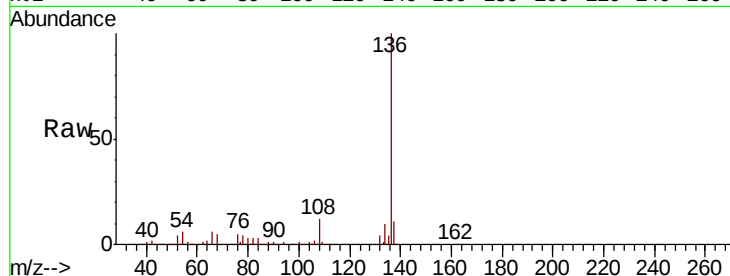
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.2

54 5.6 5.8 8.6#

68 5.4 4.5 6.7

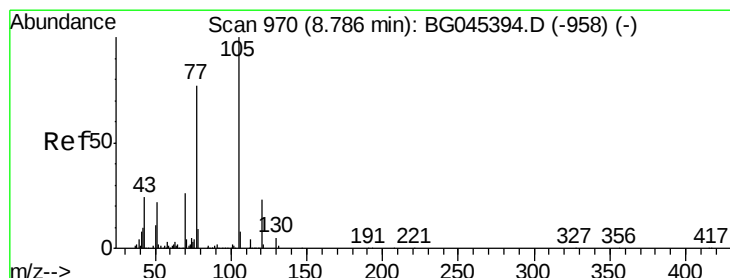
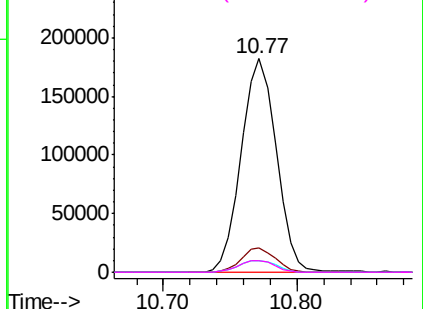
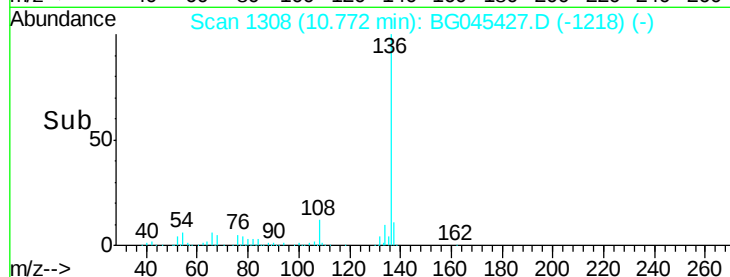


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 7.357 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Tgt Ion:105 Resp: 57891

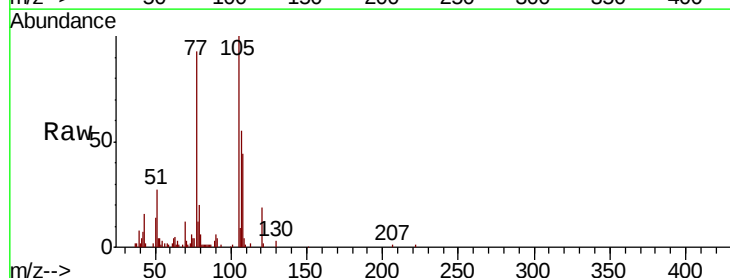
Ion Ratio Lower Upper

105 100

71 2.8 3.4 5.0#

51 27.4 18.2 27.2#

120 19.5 18.6 27.8

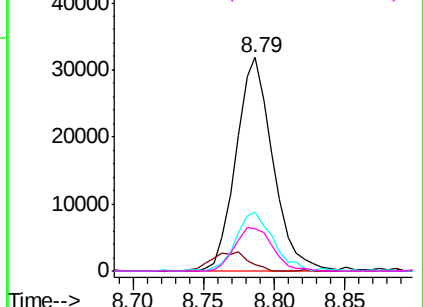
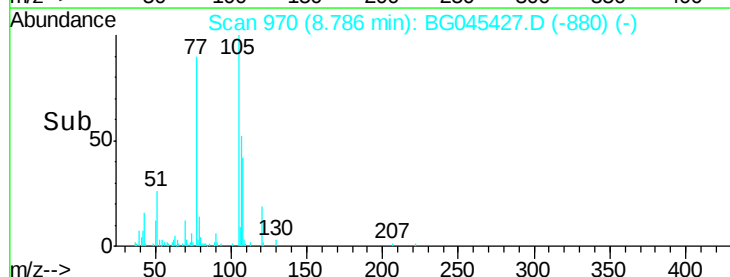


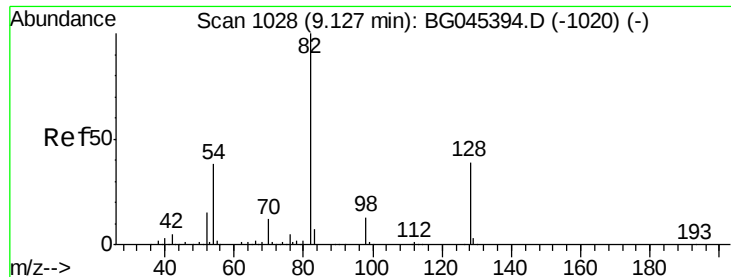
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

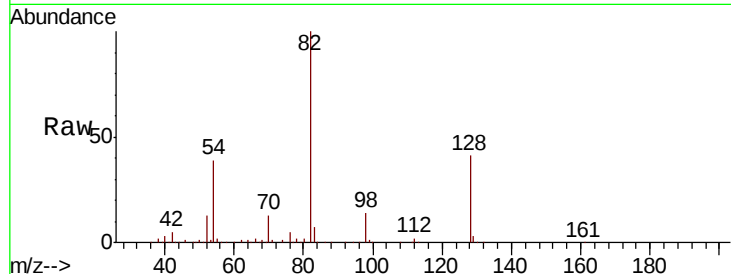




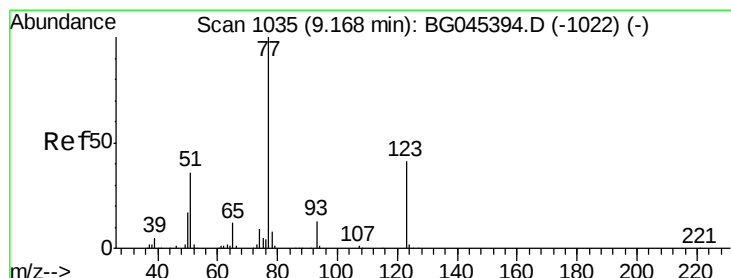
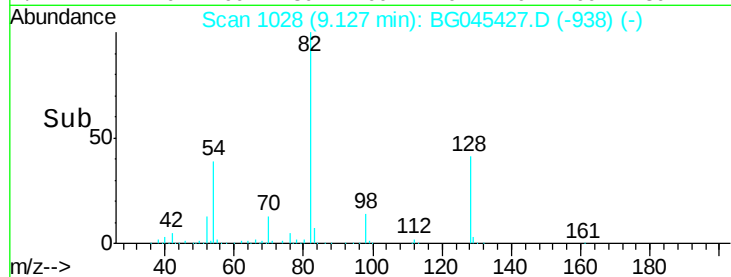
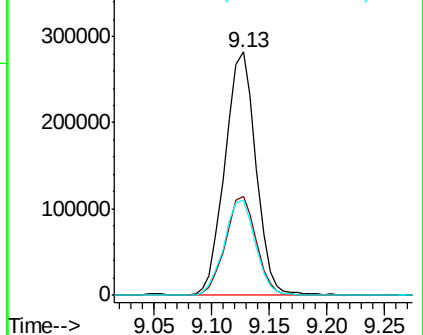
#23
 Nitrobenzene-d5
 Concen: 86.291 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.9	46.3
54	39.0	30.3	45.5

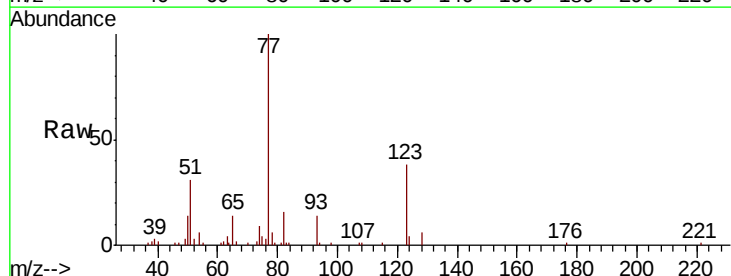


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

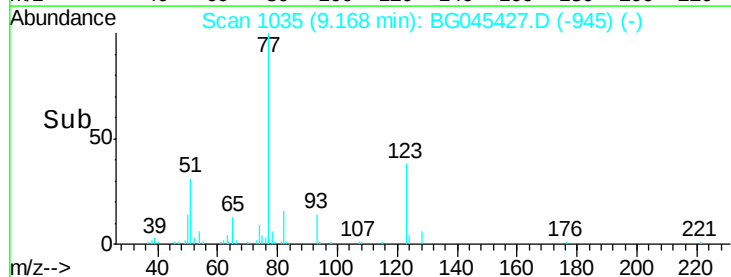
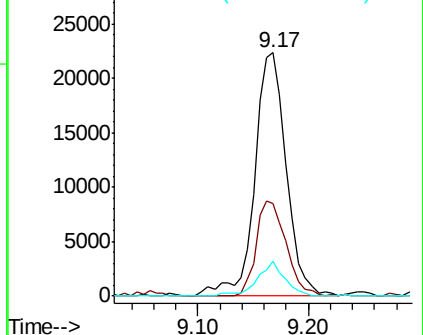


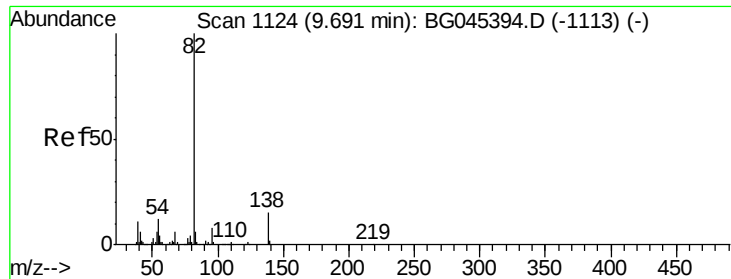
#24
 Nitrobenzene
 Concen: 6.864 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.0	32.9	49.3
65	14.2	9.4	14.2#



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





#25

Isophorone

Concen: 7.170 ng

RT: 9.69 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

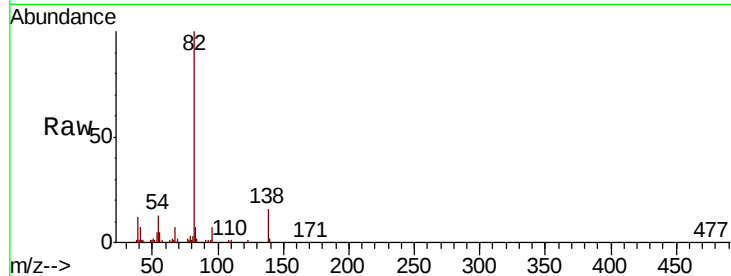
Tot Ion: 82 Resp: 85969

Ion Ratio Lower Upper

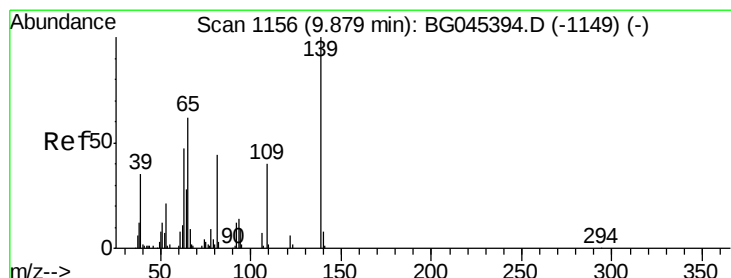
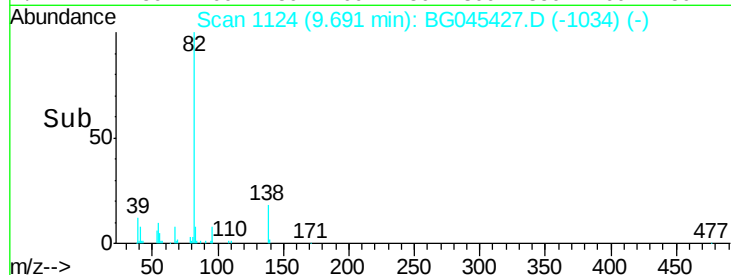
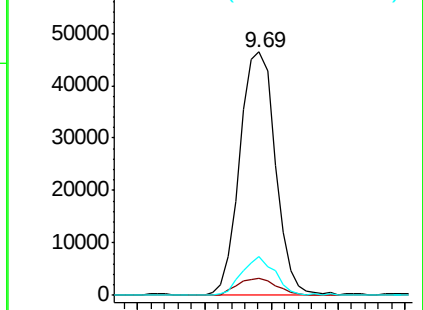
82 100

95 7.0 6.7 10.1

138 15.8 12.2 18.4



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: 6.844 ng

RT: 9.89 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

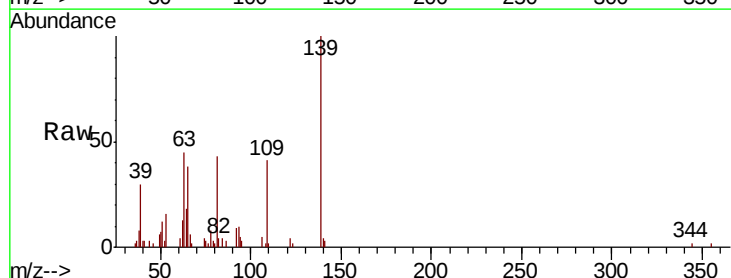
Tgt Ion: 139 Resp: 19098

Ion Ratio Lower Upper

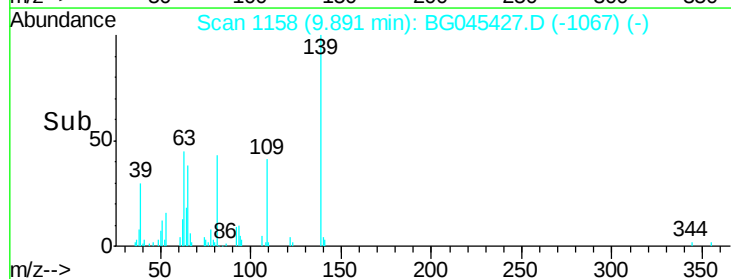
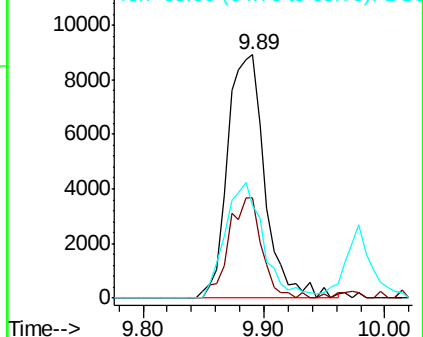
139 100

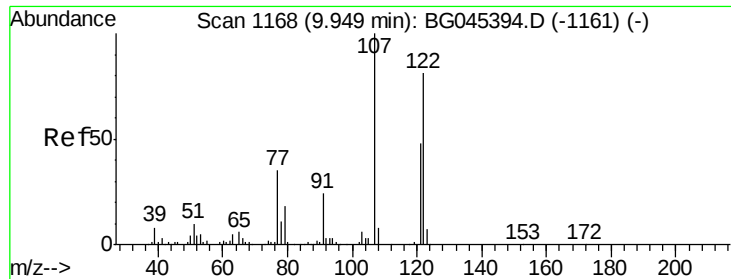
109 41.1 32.2 48.4

65 37.9 49.6 74.4#



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

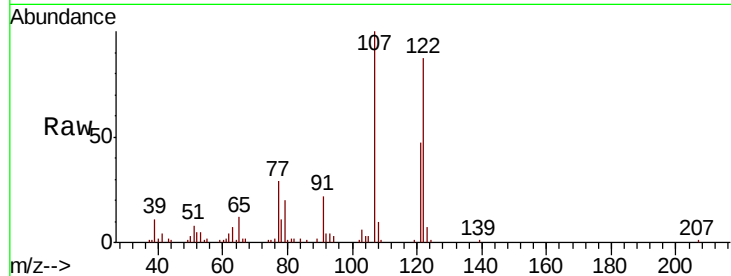




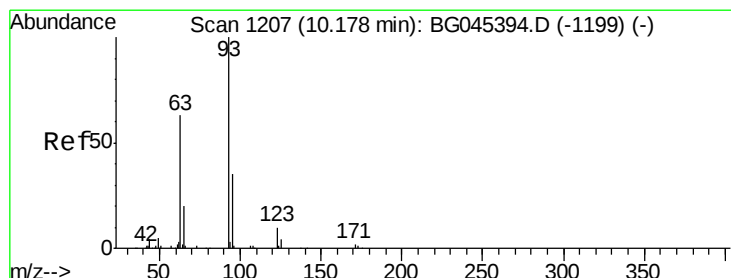
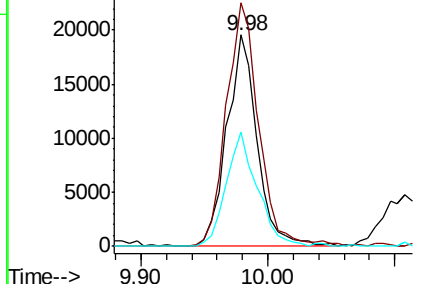
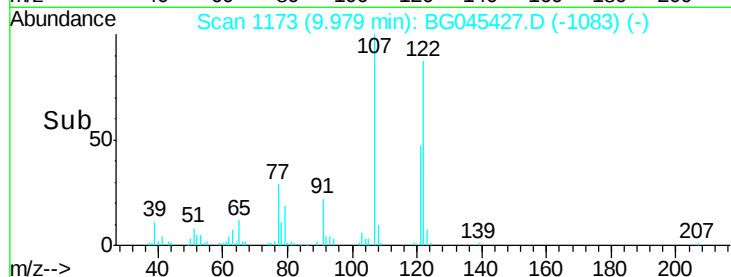
#27
 2,4-Dimethylphenol
 Concen: 7.797 ng
 RT: 9.98 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:122 Resp: 32270
 Ion Ratio Lower Upper
 122 100
 107 115.1 99.0 148.4
 121 54.0 47.7 71.5

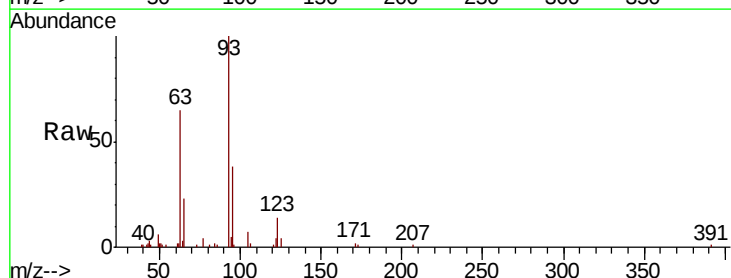


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

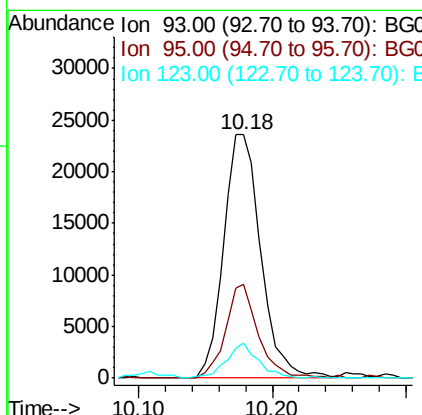
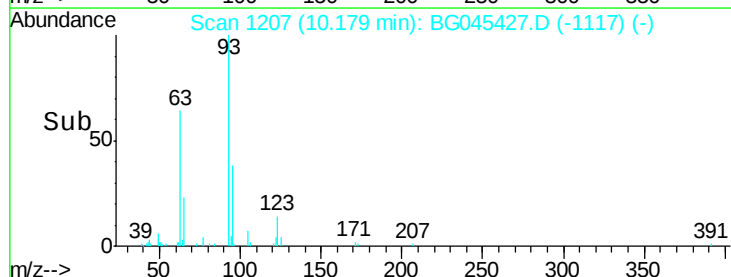


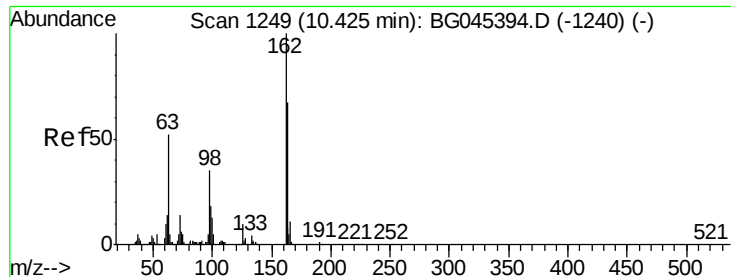
#28
 bis(2-Chloroethoxy)methane
 Concen: 7.282 ng
 RT: 10.18 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Tgt Ion: 93 Resp: 45789
 Ion Ratio Lower Upper
 93 100
 95 38.4 27.6 41.4
 123 14.1 8.1 12.1#



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: 6.758 ng

RT: 10.46 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

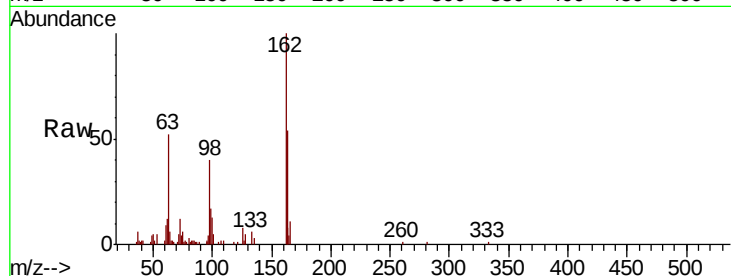
Tot Ion:162 Resp: 33029

Ion Ratio Lower Upper

162 100

164 53.9 46.8 86.8

98 40.0 15.2 55.2

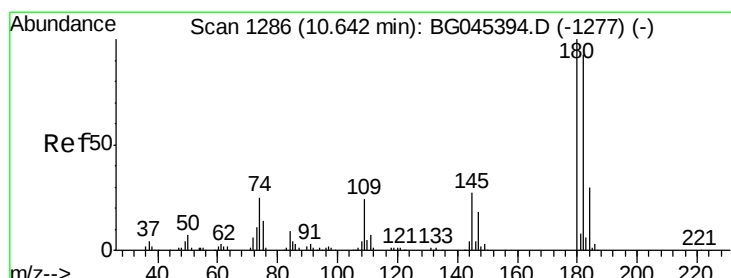
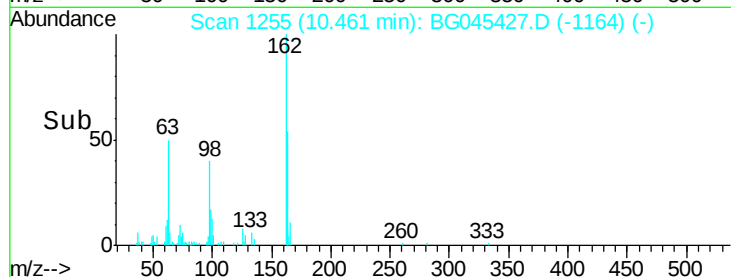


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E

Time-->



#30

1,2,4-Trichlorobenzene

Concen: 7.121 ng

RT: 10.64 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

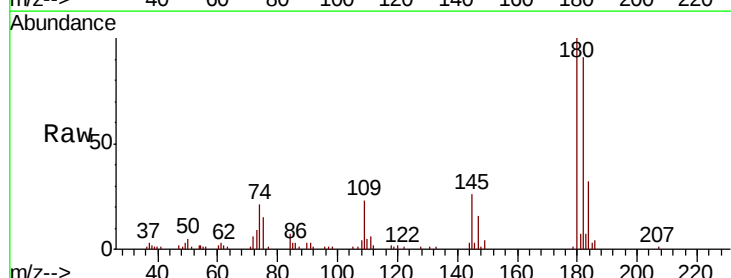
Tgt Ion:180 Resp: 41123

Ion Ratio Lower Upper

180 100

182 91.2 74.8 112.2

145 25.5 21.9 32.9

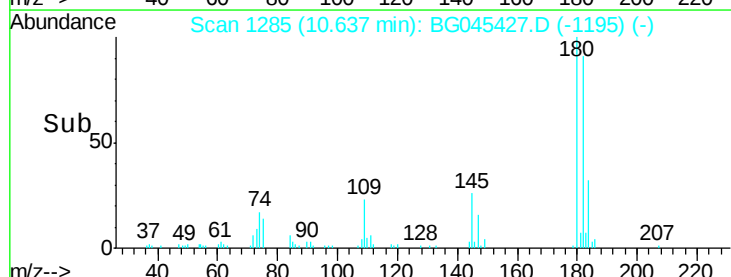


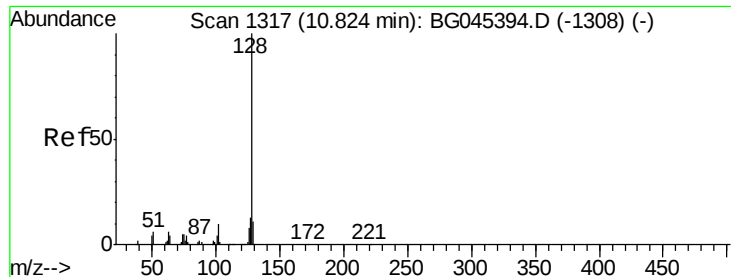
Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

Time-->

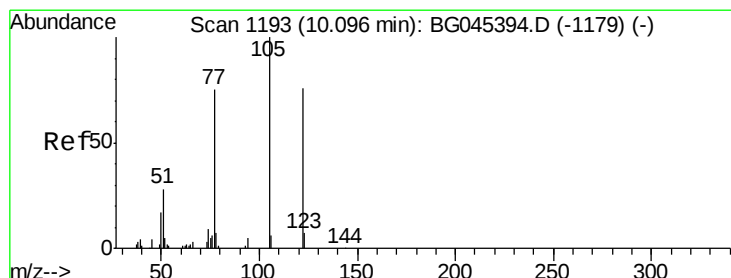
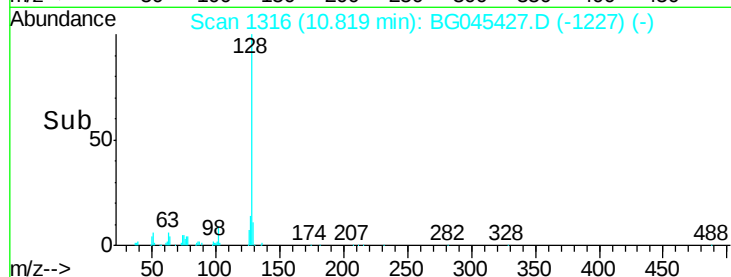
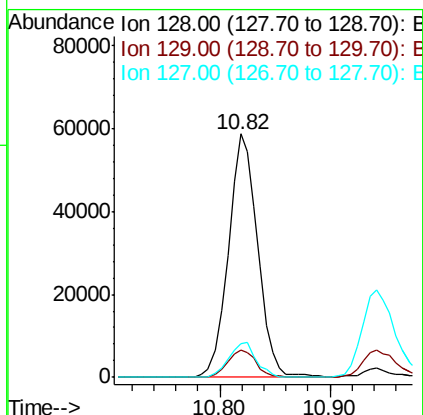
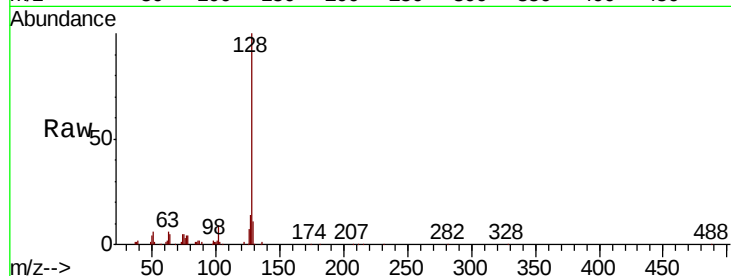




#31
Naphthalene
Concen: 7.016 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

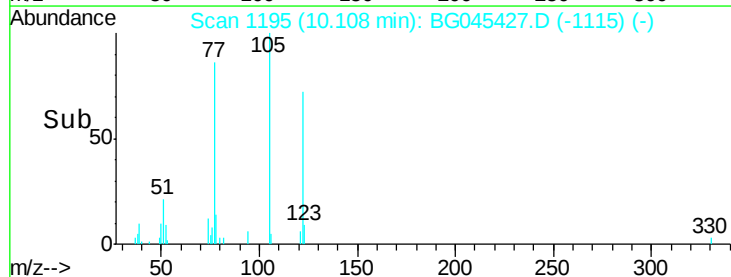
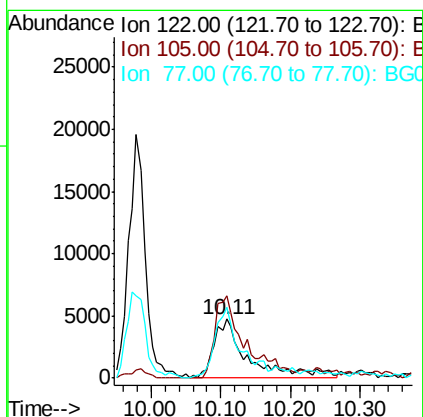
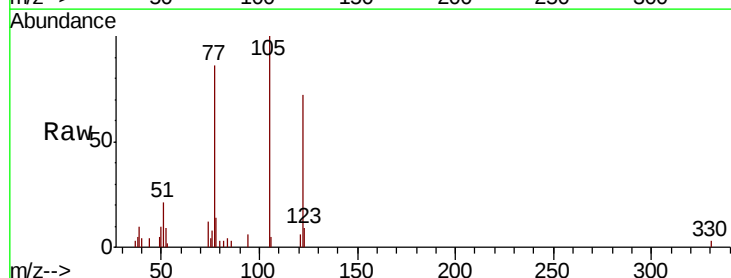
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

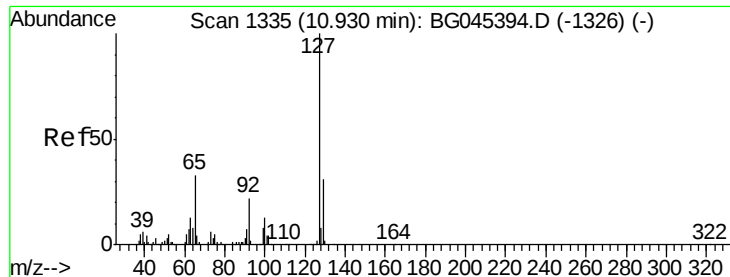
Tot Ion:128 Resp: 108543
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 14.0 10.7 16.1



#32
Benzoic acid
Concen: 6.566 ng m
RT: 10.11 min Scan# 1195
Delta R.T. -0.06 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:122 Resp: 16320
Ion Ratio Lower Upper
122 100
105 138.8 107.9 147.9
77 119.7 78.9 118.9#

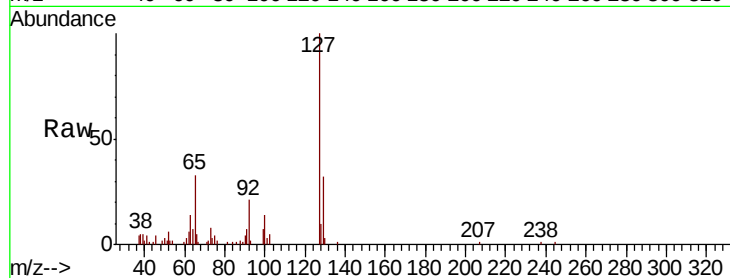




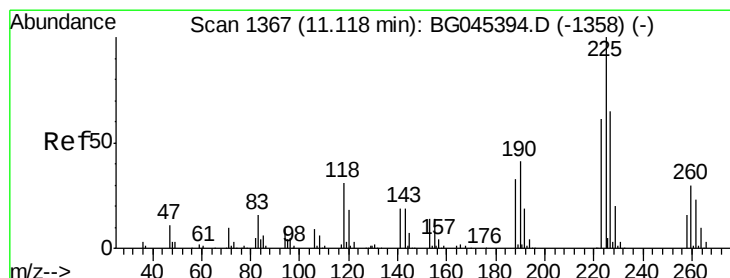
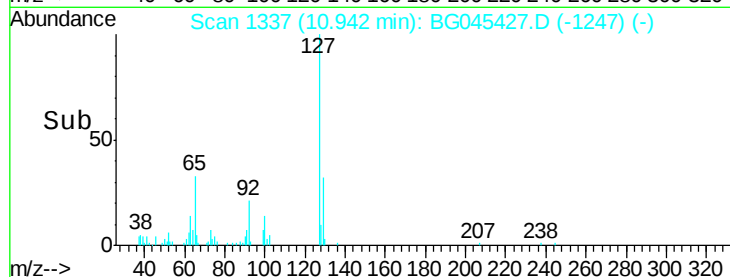
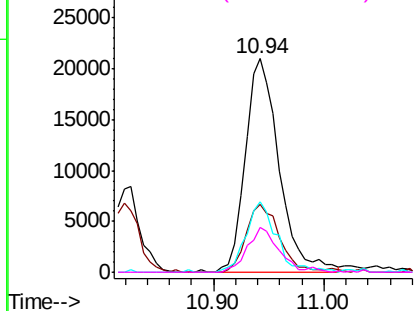
#33
4-Chloroaniline
Concen: 6.963 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:127	Resp:	45029
Ion Ratio	Lower	Upper
127	100	
129	31.7	24.7 37.1
65	33.2	26.2 39.2
92	20.9	17.9 26.9

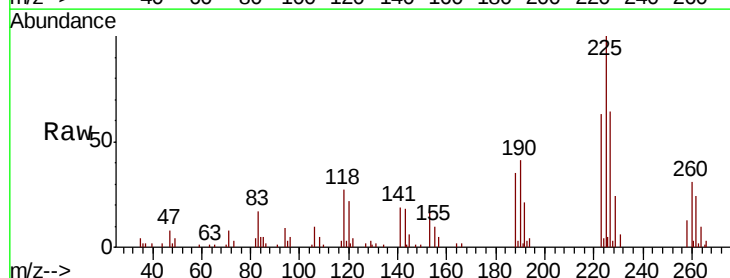


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

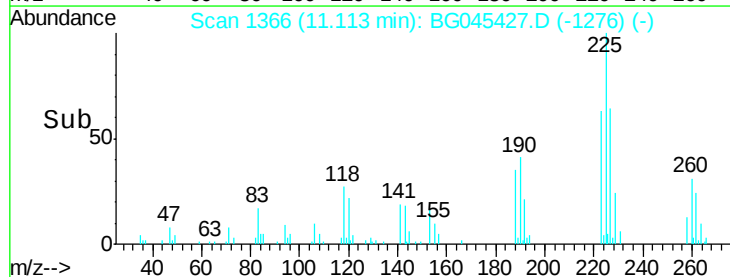
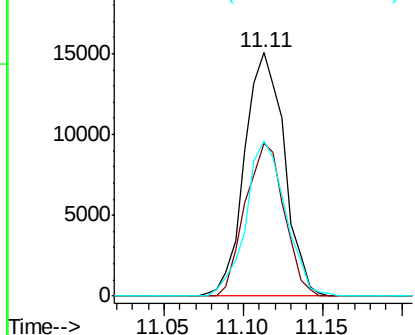


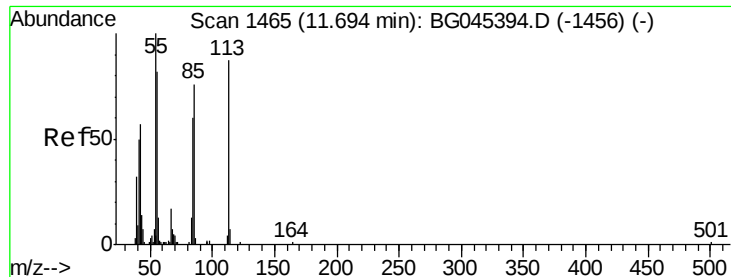
#34
Hexachlorobutadiene
Concen: 6.448 ng
RT: 11.11 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:225	Resp:	26322
Ion Ratio	Lower	Upper
225	100	
223	62.6	49.1 73.7
227	63.7	52.0 78.0



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





#35

Caprolactam

Concen: 7.643 ng

RT: 11.68 min Scan# 1463

Delta R.T. -0.03 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

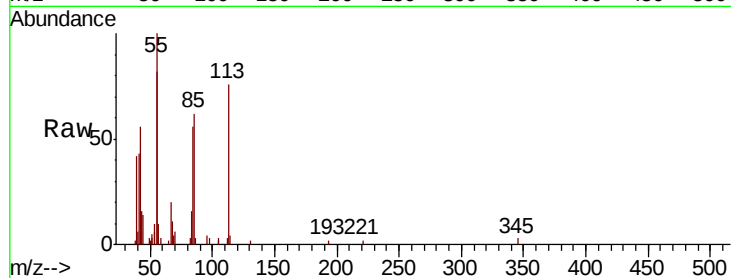
Tot Ion:113 Resp: 13711

Ion Ratio Lower Upper

113 100

55 131.5 96.0 136.0

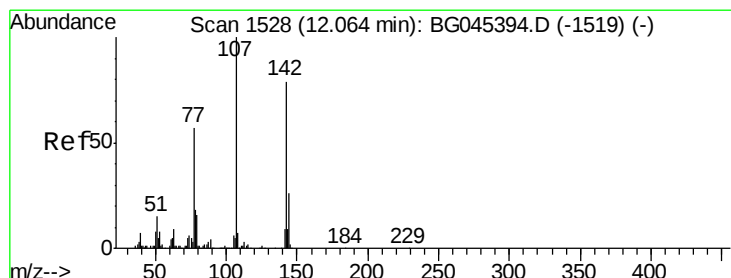
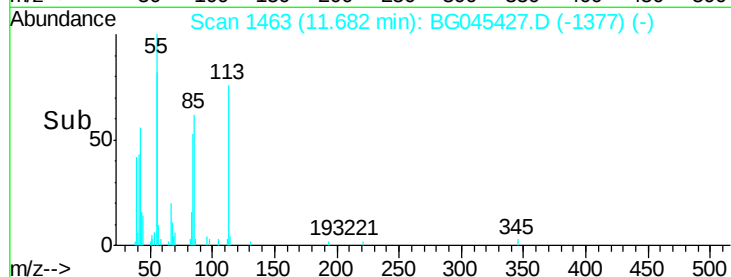
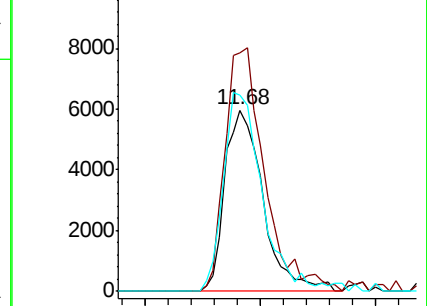
56 107.9 75.1 115.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 7.319 ng

RT: 12.11 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

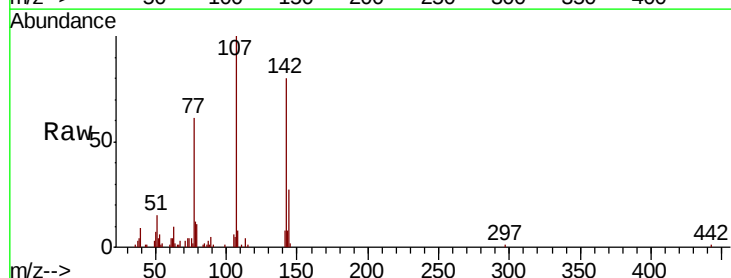
Tgt Ion:107 Resp: 40305

Ion Ratio Lower Upper

107 100

144 27.0 20.8 31.2

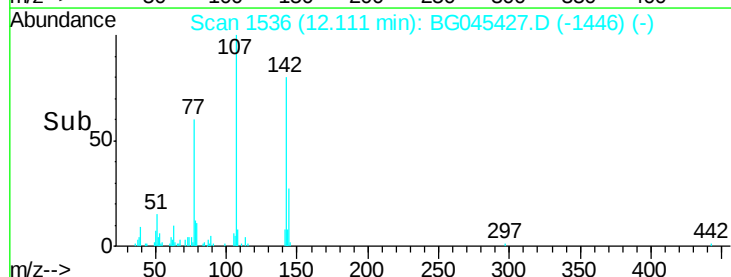
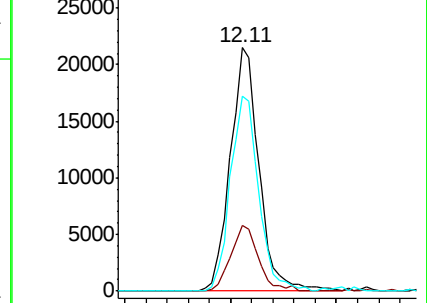
142 80.1 62.8 94.2

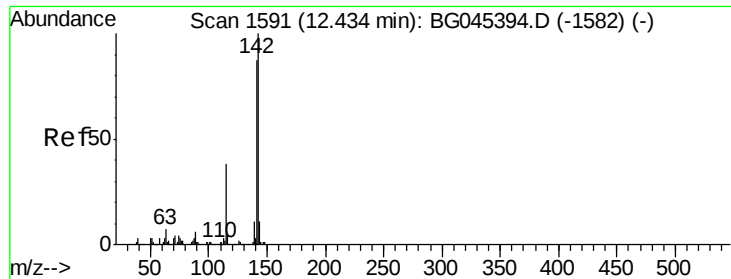


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

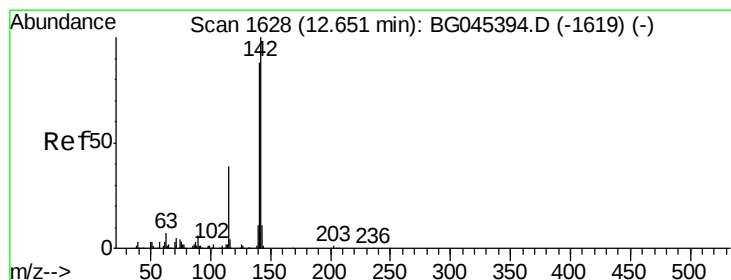
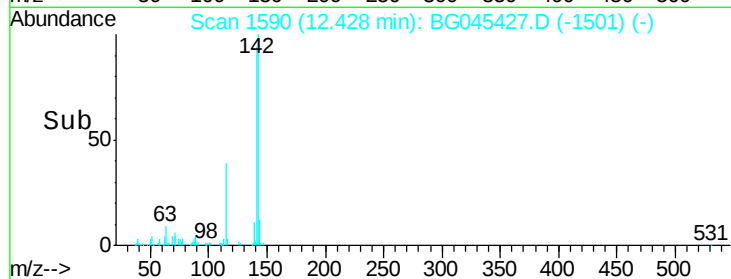
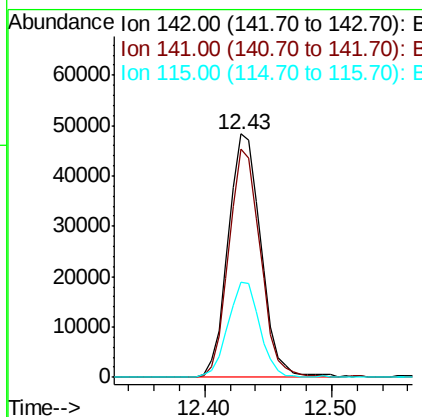
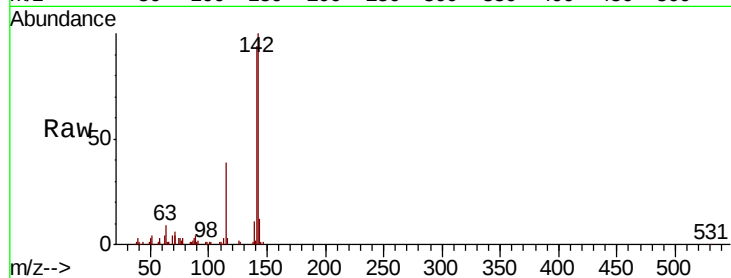




#37
2-Methylnaphthalene
Concen: 7.499 ng
RT: 12.43 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

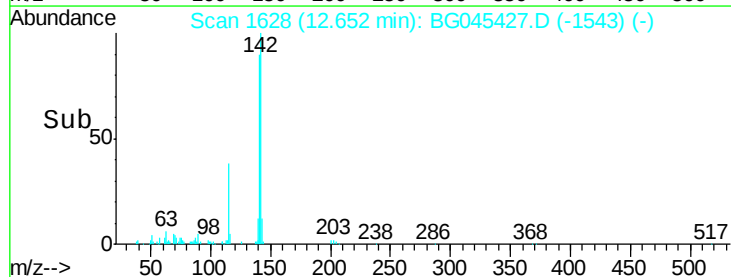
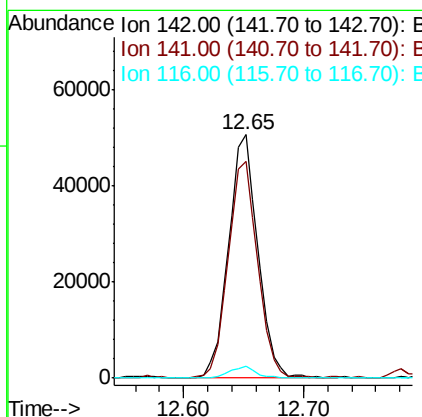
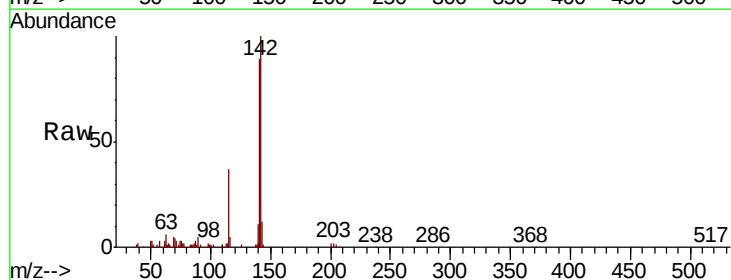
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

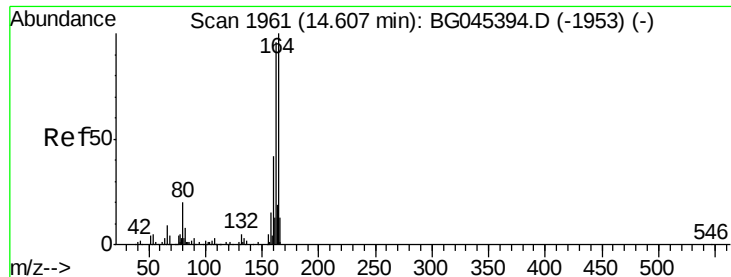
Tot Ion:142 Resp: 86477
Ion Ratio Lower Upper
142 100
141 93.6 70.0 105.0
115 39.1 30.8 46.2



#38
1-Methylnaphthalene
Concen: 7.917 ng m
RT: 12.65 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:142 Resp: 86244
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2
116 4.9 3.0 4.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

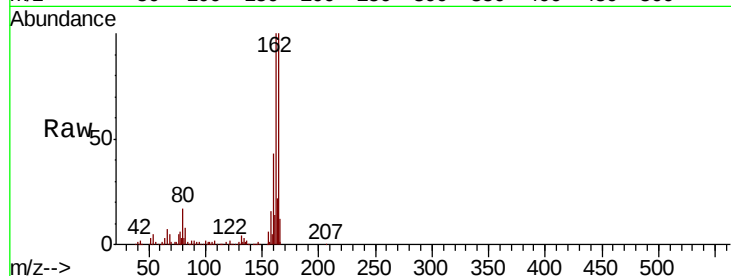
Tot Ion:164 Resp: 240934

Ion Ratio Lower Upper

164 100

162 100.3 76.9 115.3

160 43.4 33.8 50.8

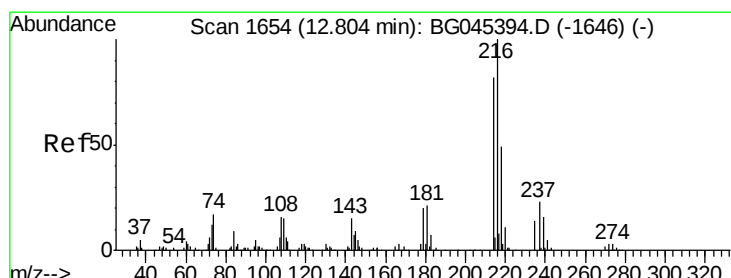
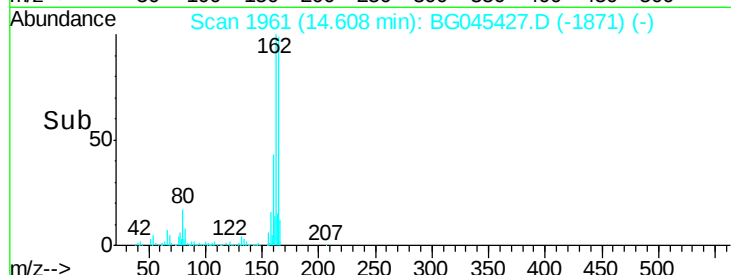
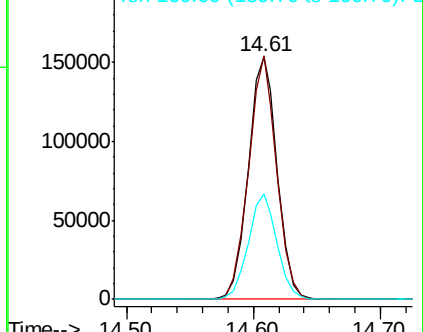


Abundance

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: 7.147 ng

RT: 12.80 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Tgt Ion:216 Resp: 48094

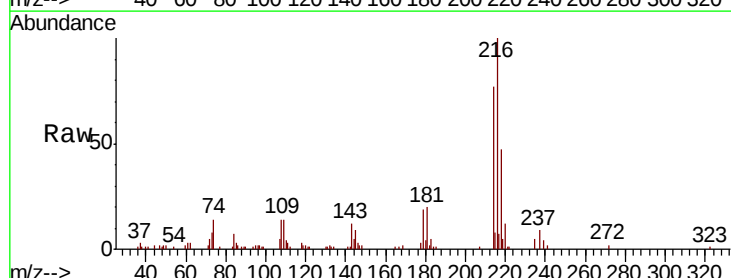
Ion Ratio Lower Upper

216 100

214 80.2 63.7 95.5

179 22.0 16.1 24.1

108 16.2 13.8 20.6



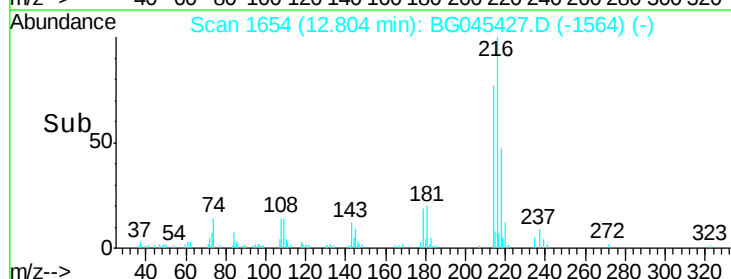
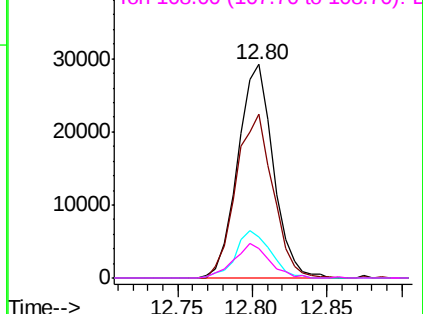
Abundance

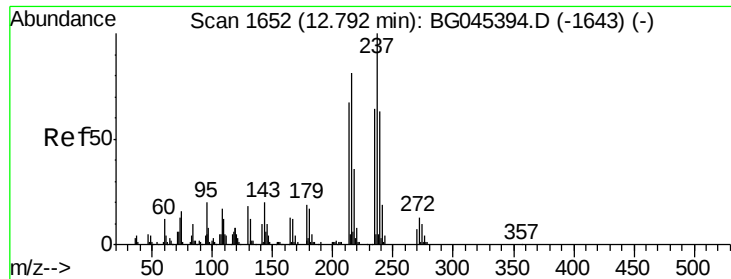
Ion 216.00 (215.70 to 216.70): E

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: 5.365 ng

RT: 12.78 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

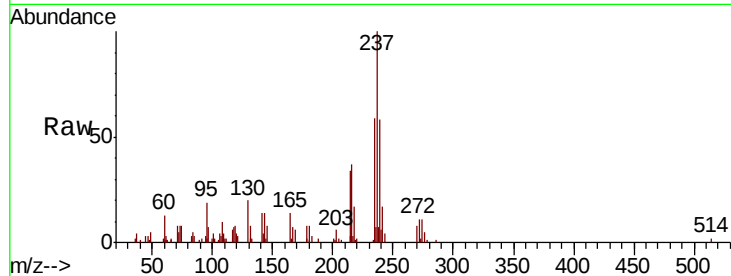
Tot Ion:237 Resp: 20840

Ion Ratio Lower Upper

237 100

235 58.5 44.4 84.4

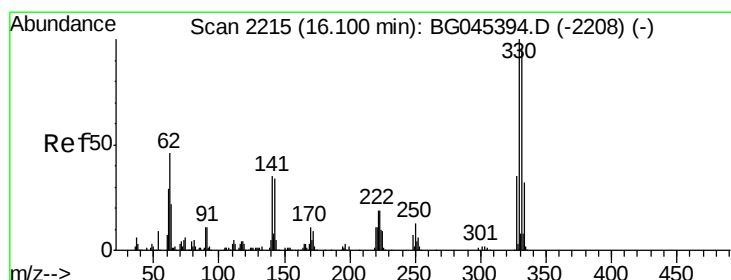
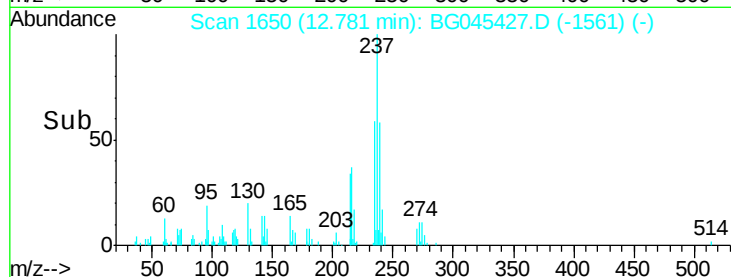
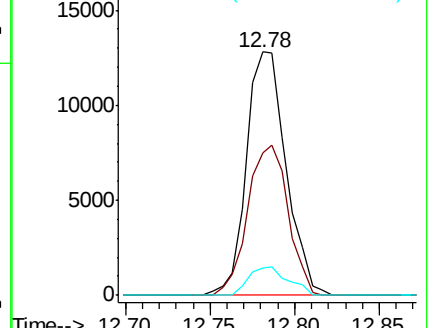
272 11.4 0.0 32.5



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: 141.014 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

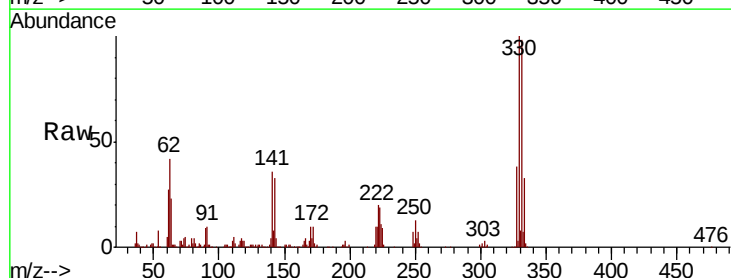
Tgt Ion:330 Resp: 434502

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.4

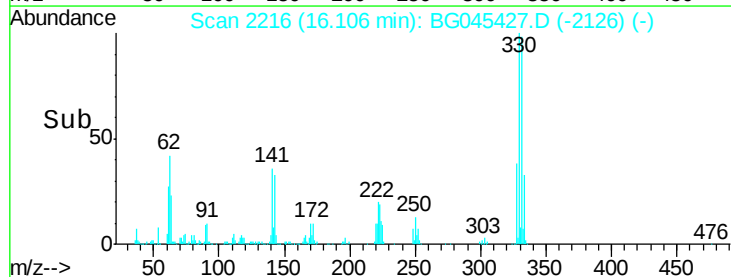
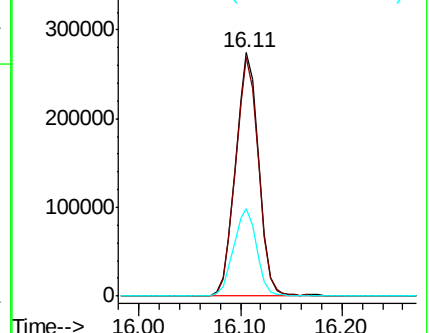
141 35.6 28.2 42.4

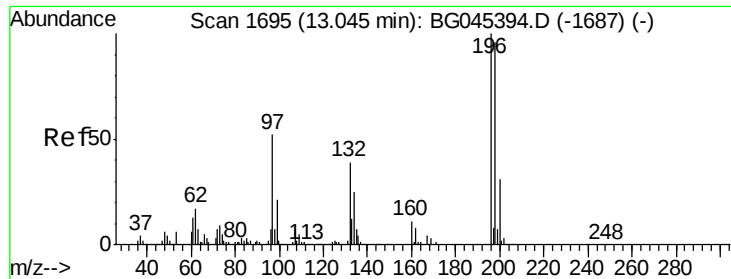


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

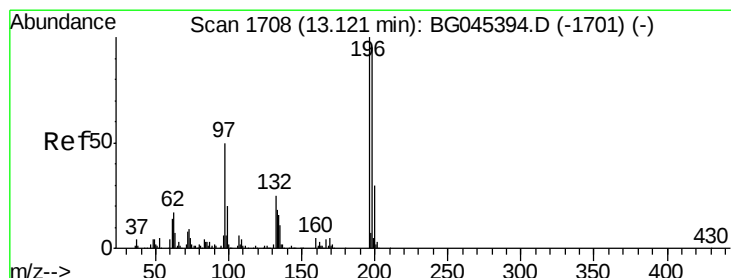
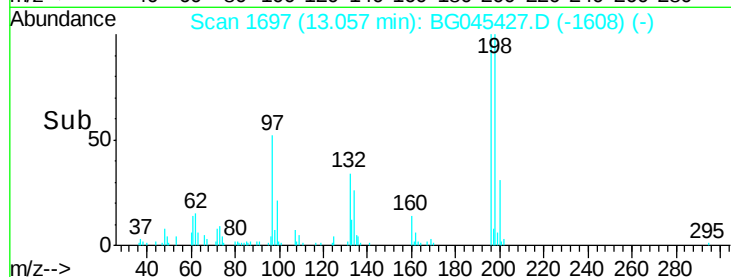
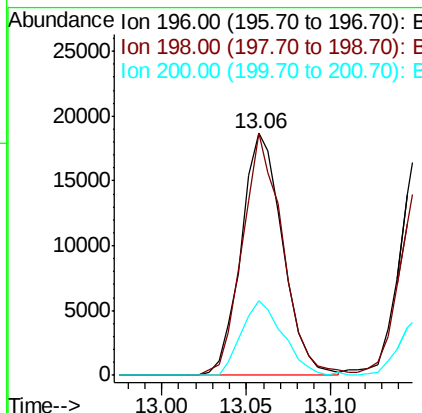
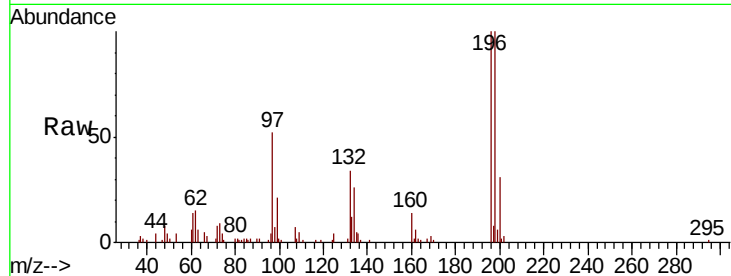




#43
 2,4,6-Trichlorophenol
 Concen: 6.839 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

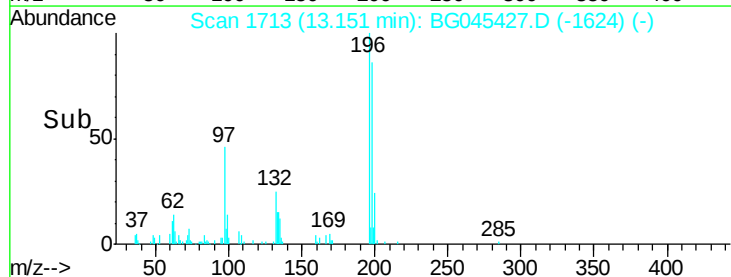
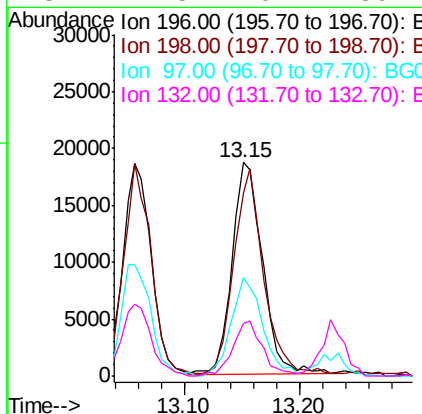
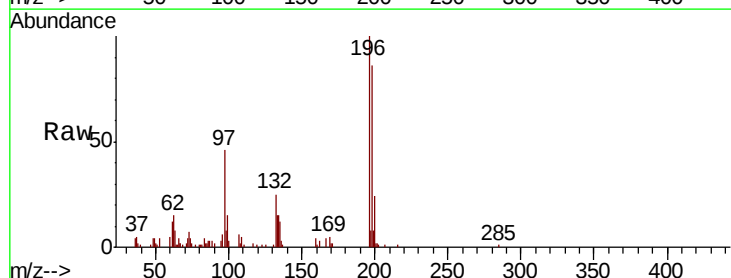
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

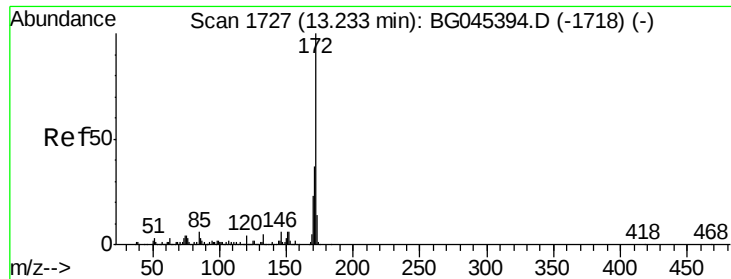
Tot Ion:196 Resp: 31972
 Ion Ratio Lower Upper
 196 100
 198 100.1 76.7 115.1
 200 30.7 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 6.319 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Tgt Ion:196 Resp: 33759
 Ion Ratio Lower Upper
 196 100
 198 85.7 76.1 114.1
 97 45.9 40.0 60.0
 132 24.5 20.2 30.2

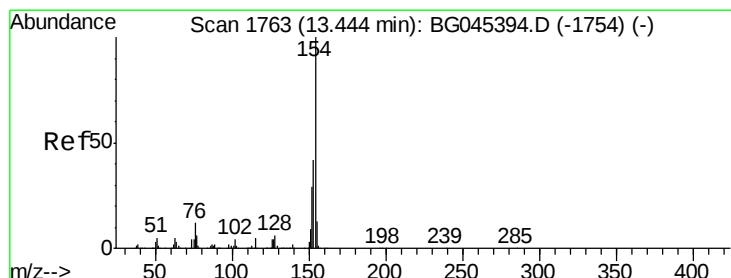
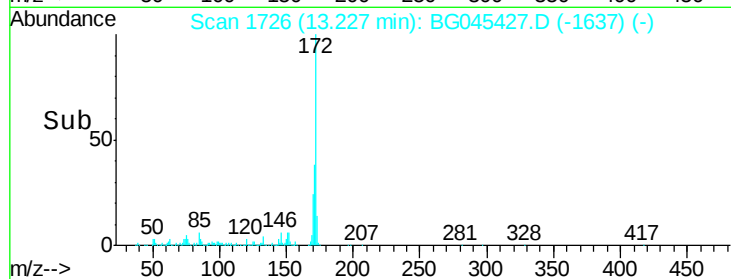
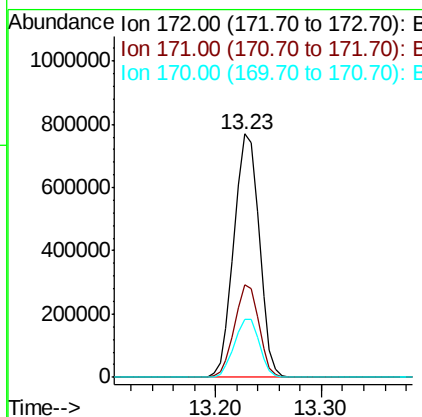
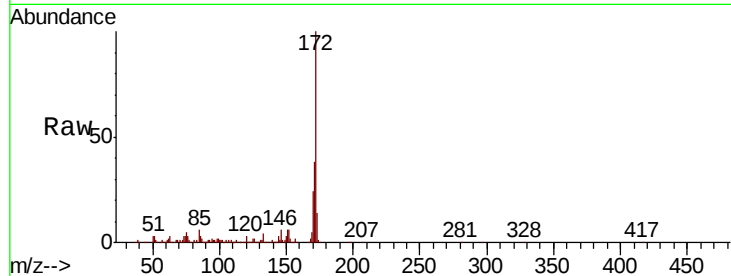




#45
2-Fluorobiphenyl
Concen: 89.718 ng
RT: 13.23 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

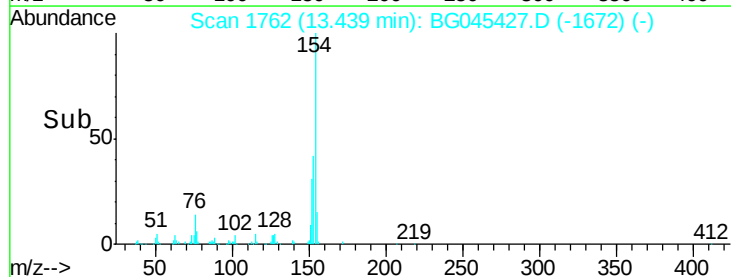
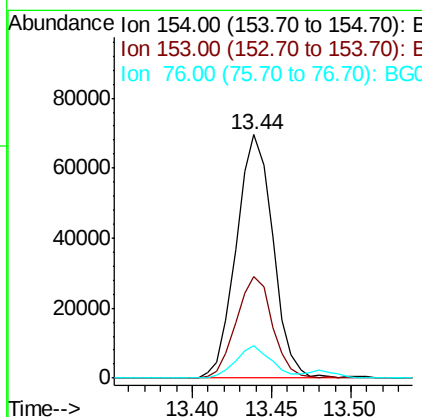
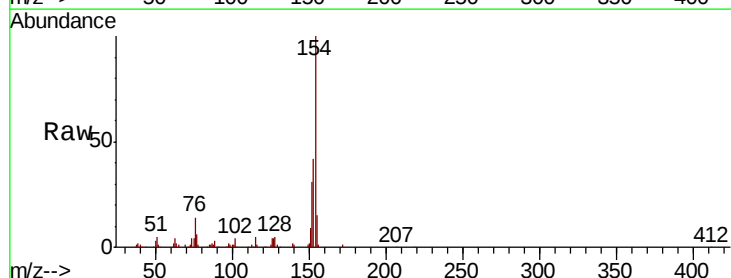
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

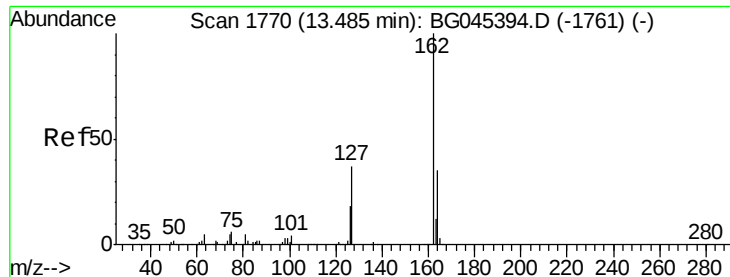
Tot Ion:172 Resp: 1274380
Ion Ratio Lower Upper
172 100
171 37.9 29.5 44.3
170 23.6 18.5 27.7



#46
1,1'-Biphenyl
Concen: 7.540 ng
RT: 13.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:154 Resp: 111627
Ion Ratio Lower Upper
154 100
153 42.0 22.2 62.2
76 13.5 0.0 32.4

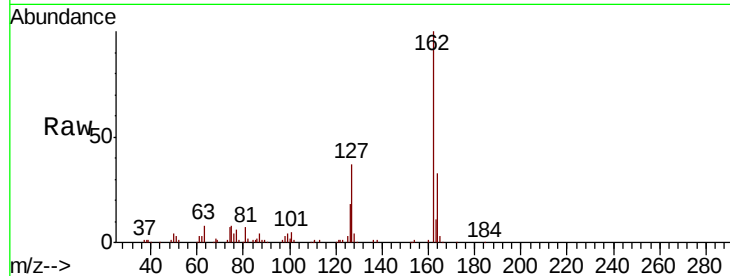




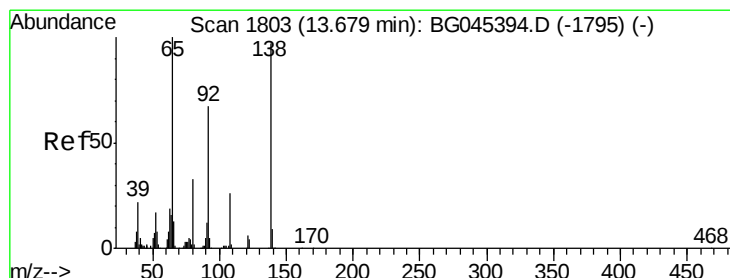
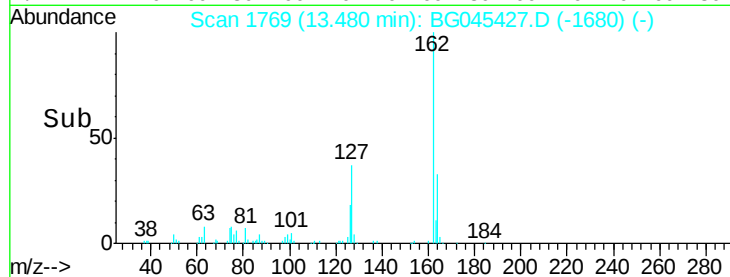
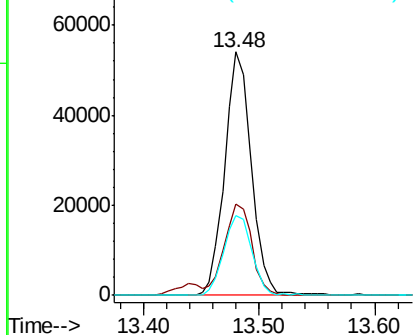
#47
2-Chloronaphthalene
Concen: 7.214 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.5	31.6	47.4
164	32.8	28.1	42.1

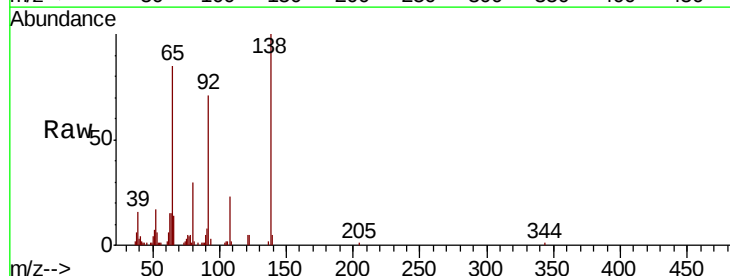


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

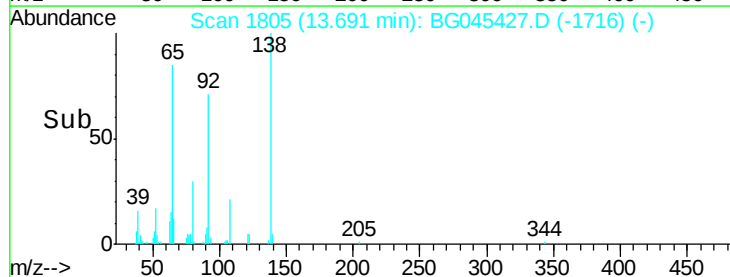
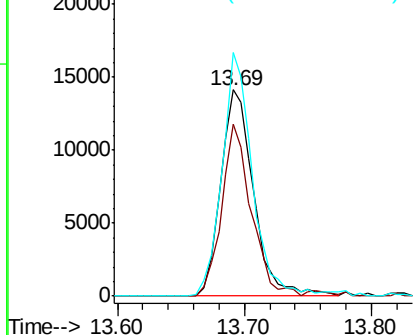


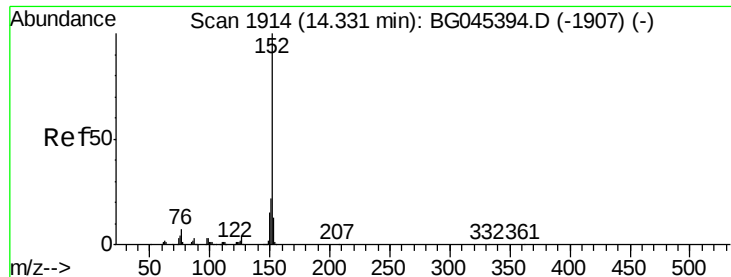
#48
2-Nitroaniline
Concen: 6.390 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	83.2	53.8	80.8#
138	117.9	77.9	116.9#



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





#49

Acenaphthylene

Concen: 7.720 ng

RT: 14.33 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

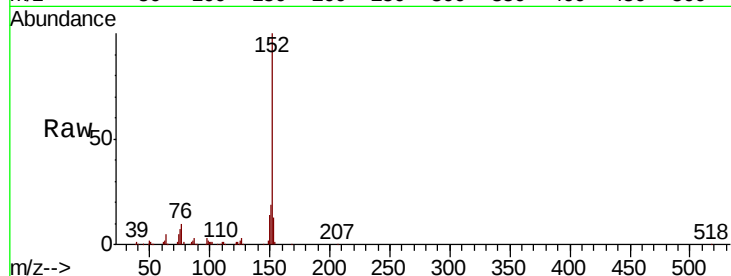
Tot Ion:152 Resp: 149081

Ion Ratio Lower Upper

152 100

151 19.1 17.4 26.2

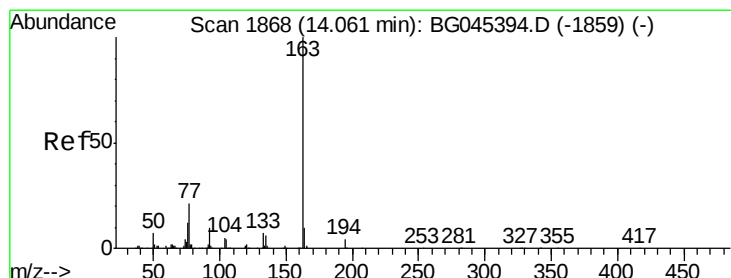
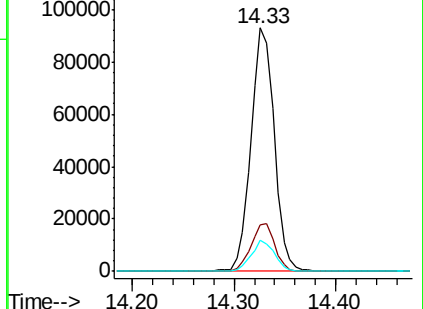
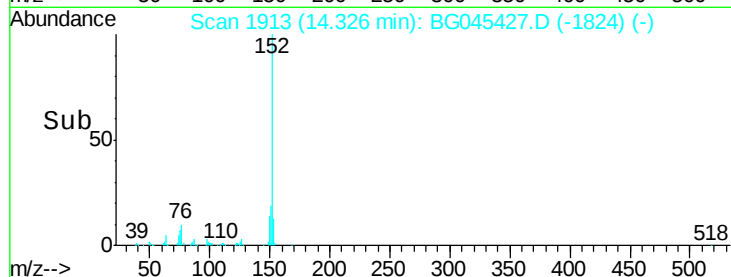
153 12.9 10.7 16.1



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: 7.674 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

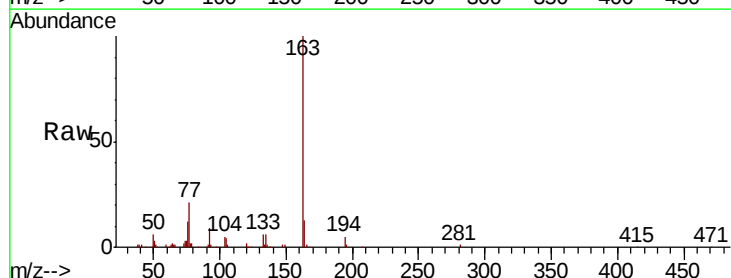
Tgt Ion:163 Resp: 126839

Ion Ratio Lower Upper

163 100

194 5.2 3.2 4.8#

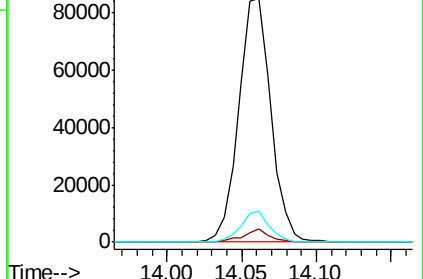
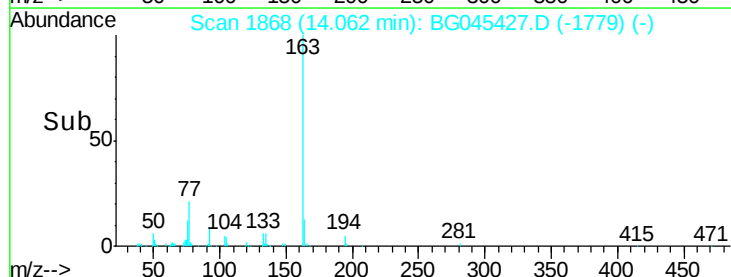
164 12.6 8.3 12.5#

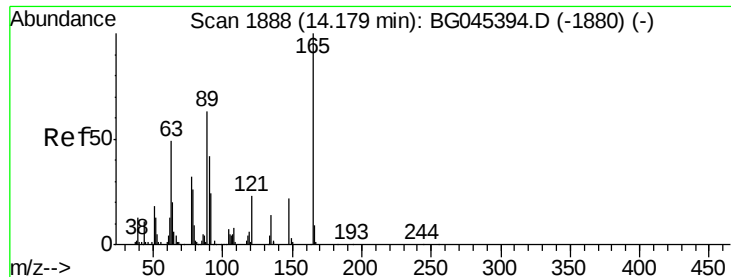


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.857 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

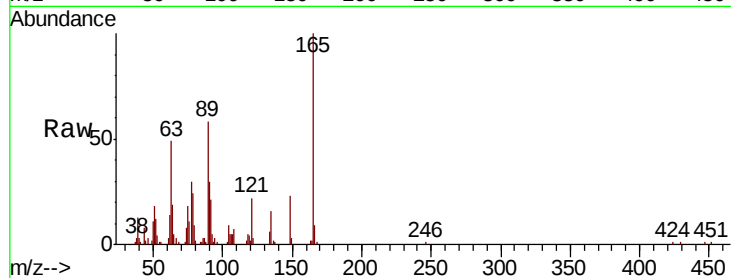
Tot Ion:165 Resp: 29301

Ion Ratio Lower Upper

165 100

63 49.3 45.0 67.4

89 57.9 50.2 75.4

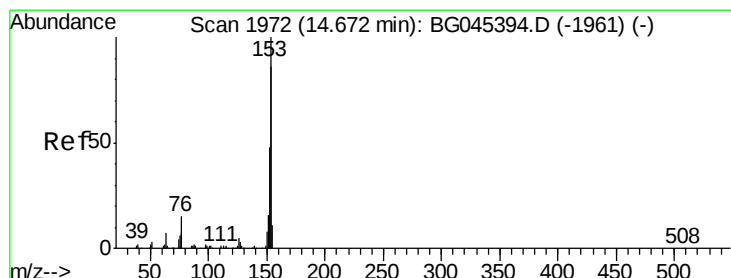
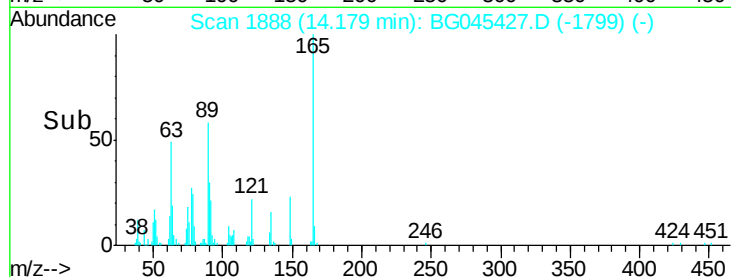


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Time-->



#52

Acenaphthene

Concen: 6.550 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

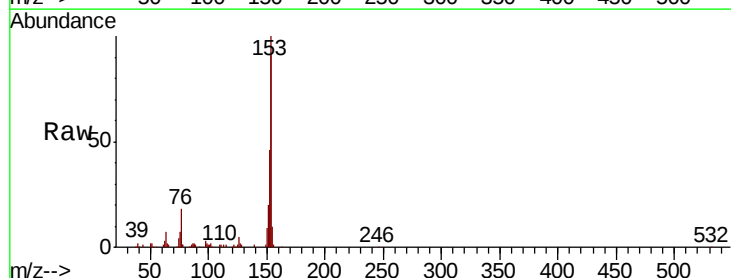
Tgt Ion:154 Resp: 84657

Ion Ratio Lower Upper

154 100

153 109.9 92.8 139.2

152 50.8 44.6 66.8

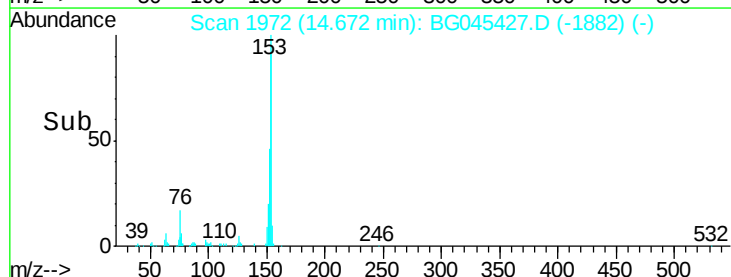


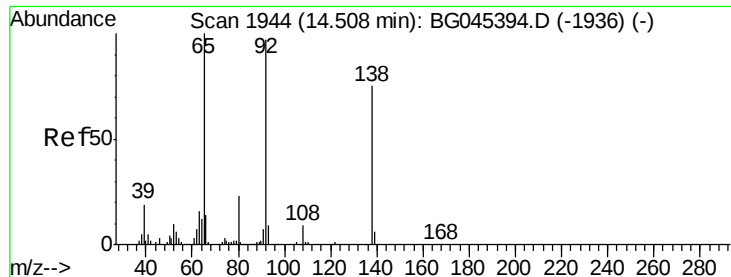
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->

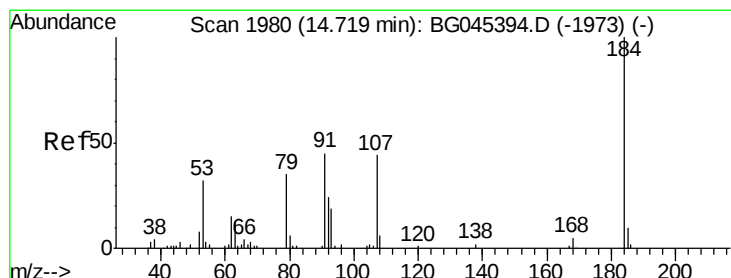
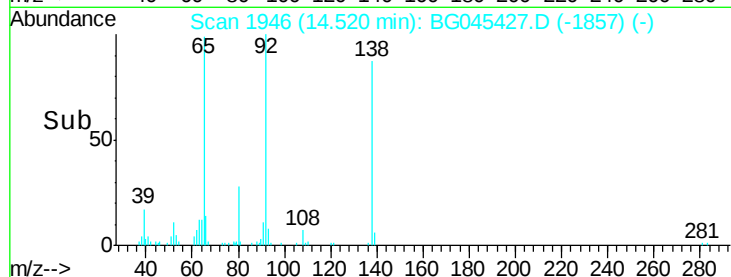
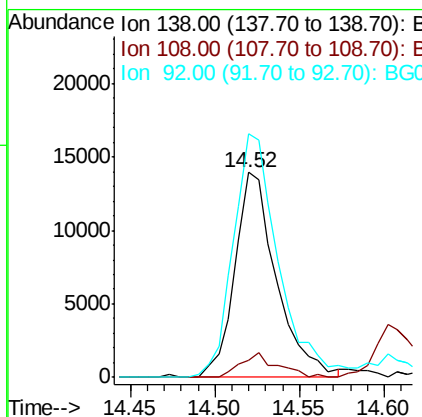
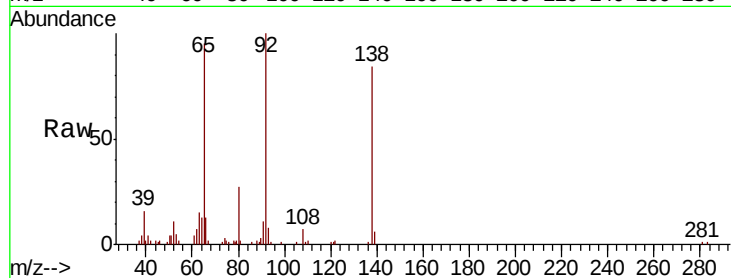




#53
3-Nitroaniline
Concen: 6.300 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

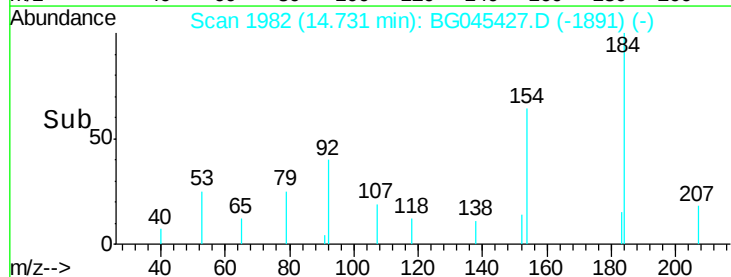
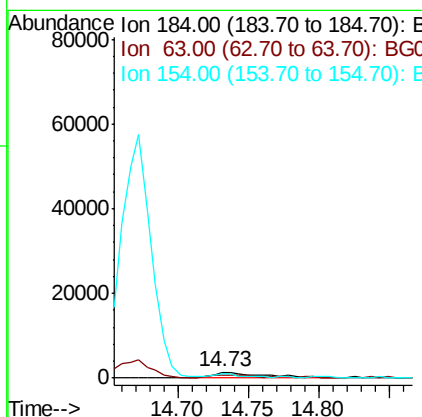
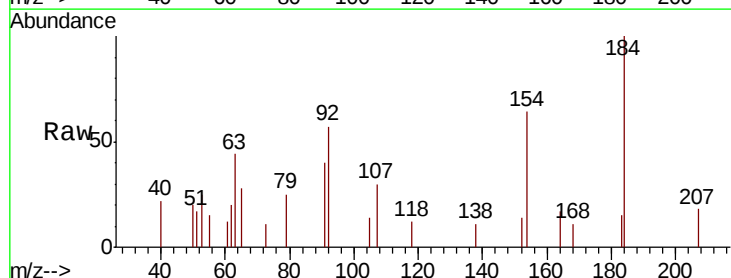
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

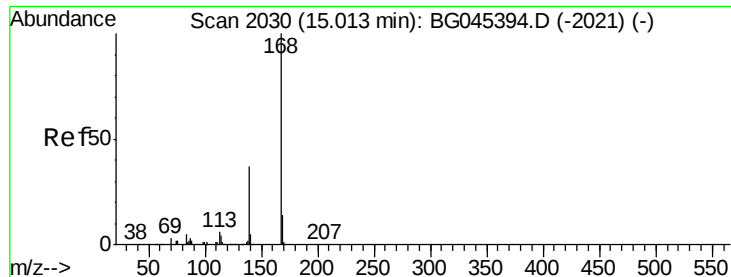
Tot Ion:138 Resp: 23883
Ion Ratio Lower Upper
138 100
108 8.6 9.8 14.6#
92 119.0 103.0 154.4



#54
2,4-Dinitrophenol
Concen: 1.644 ng
RT: 14.73 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:184 Resp: 3561
Ion Ratio Lower Upper
184 100
63 43.5 47.8 71.6#
154 64.2 58.3 87.5





#55

Dibenzenofuran

Concen: 7.718 ng

RT: 15.01 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

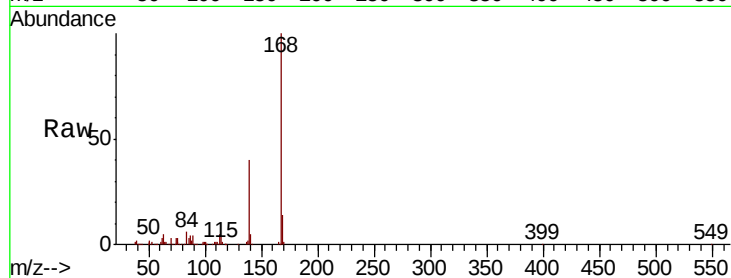
Tot Ion:168 Resp: 148142

Ion Ratio Lower Upper

168 100

139 39.9 29.9 44.9

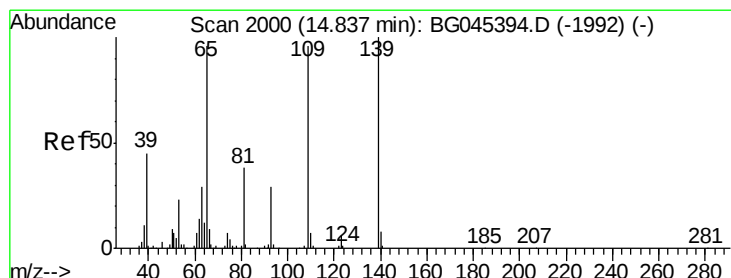
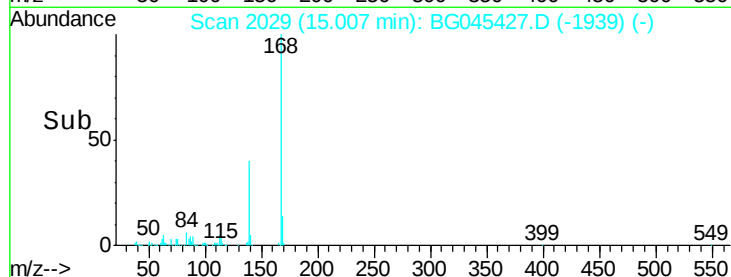
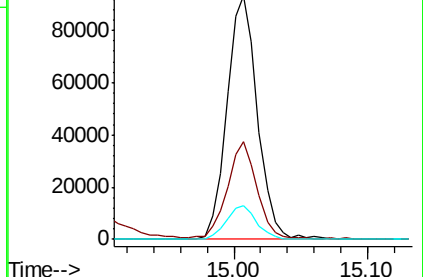
169 14.0 10.9 16.3



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: 5.617 ng

RT: 14.91 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

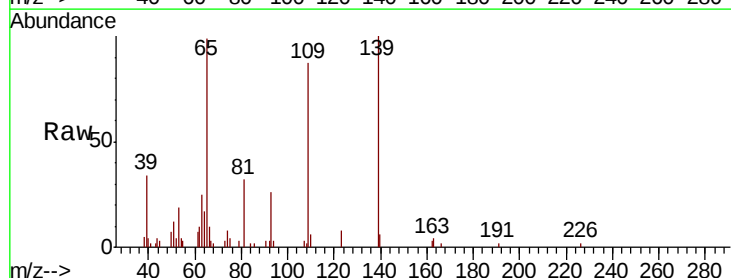
Tgt Ion:139 Resp: 16123

Ion Ratio Lower Upper

139 100

109 86.6 75.6 115.6

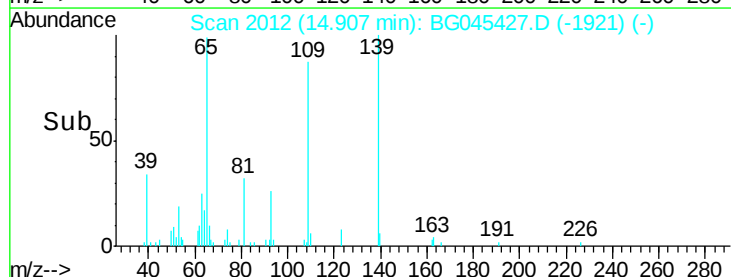
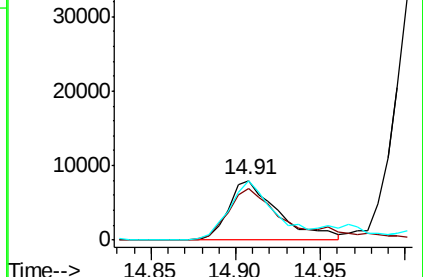
65 98.8 76.8 116.8

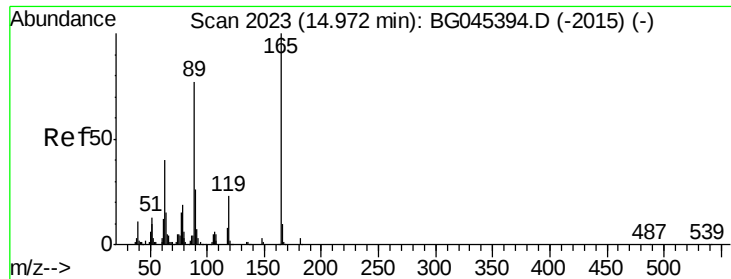


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG0

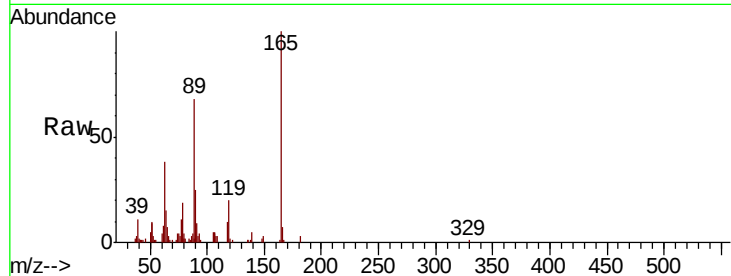




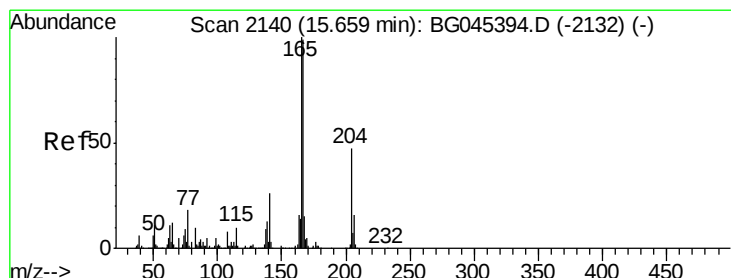
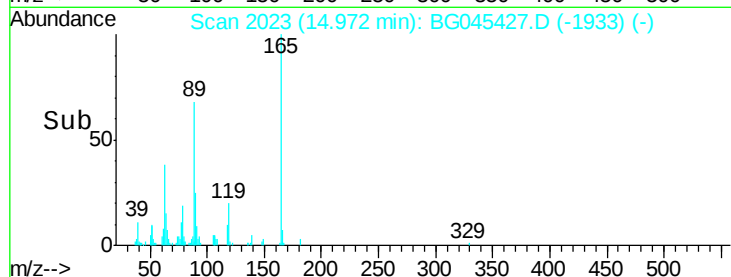
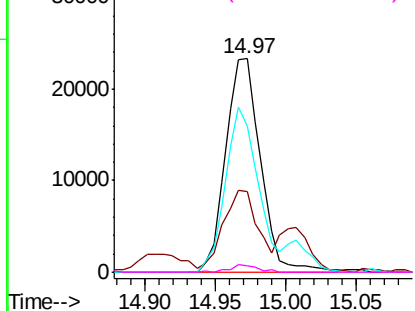
#57
2,4-Dinitrotoluene
Concen: 7.430 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165 Resp: 40130
Ion Ratio Lower Upper
165 100
63 38.1 32.5 48.7
89 68.4 61.8 92.6
182 2.9 2.3 3.5

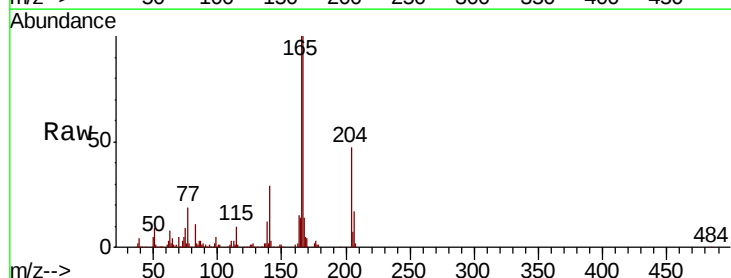


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

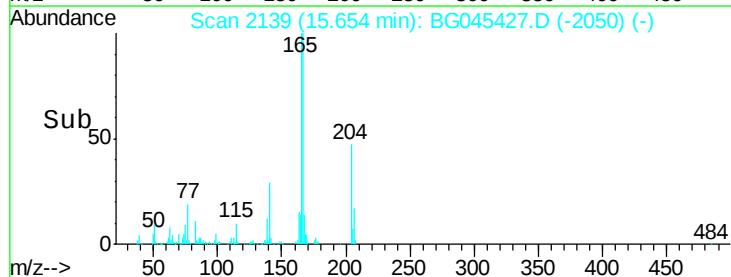
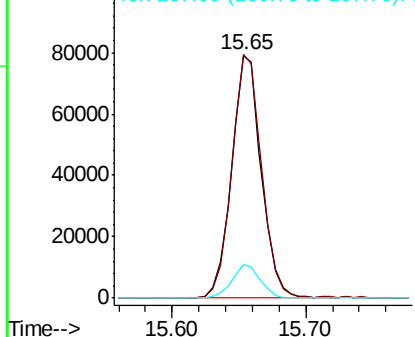


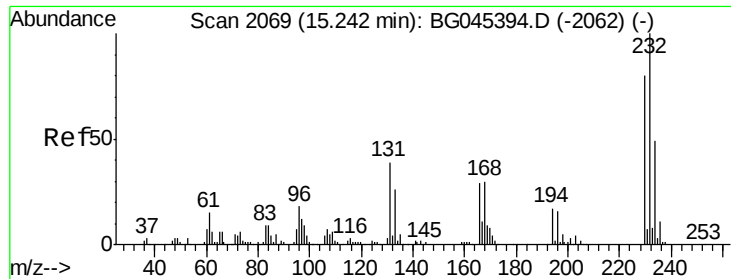
#58
Fluorene
Concen: 7.730 ng
RT: 15.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:166 Resp: 121890
Ion Ratio Lower Upper
166 100
165 100.3 80.8 121.2
167 13.9 12.0 18.0



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

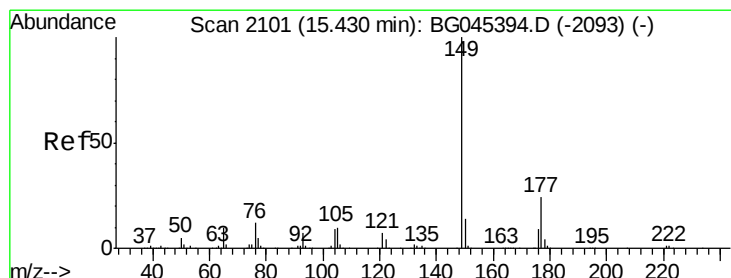
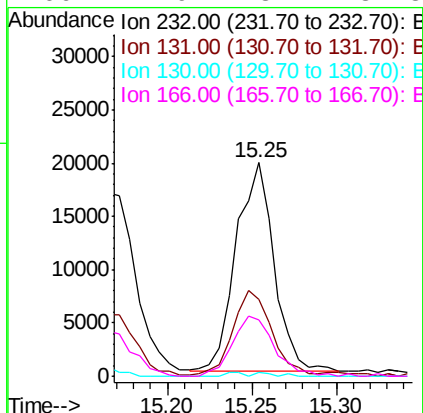
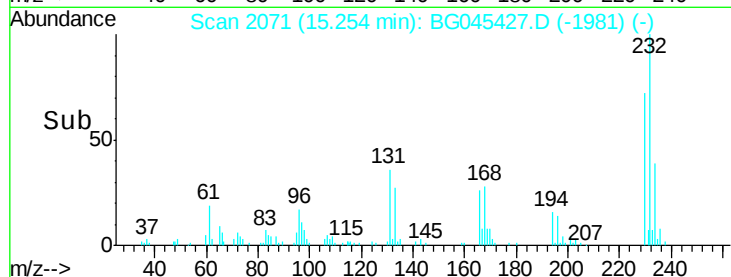
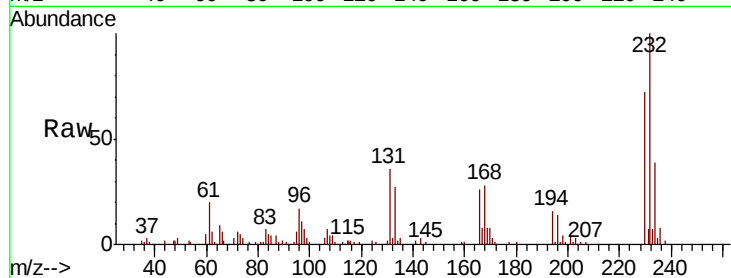




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.563 ng m
 RT: 15.25 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

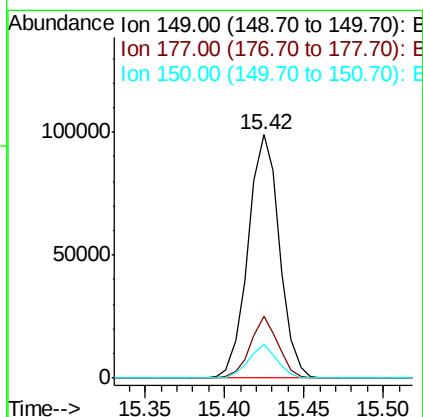
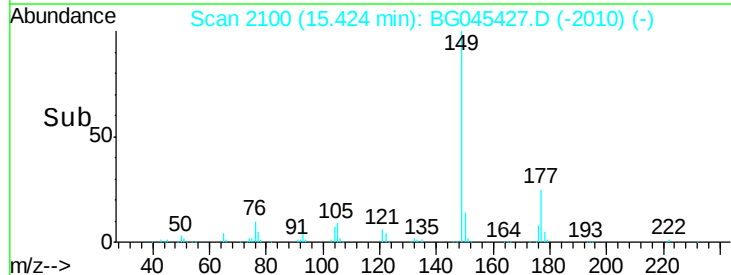
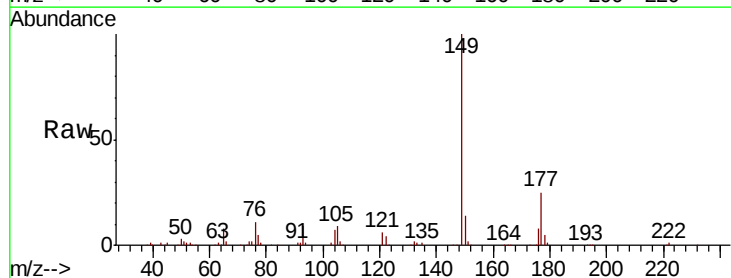
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

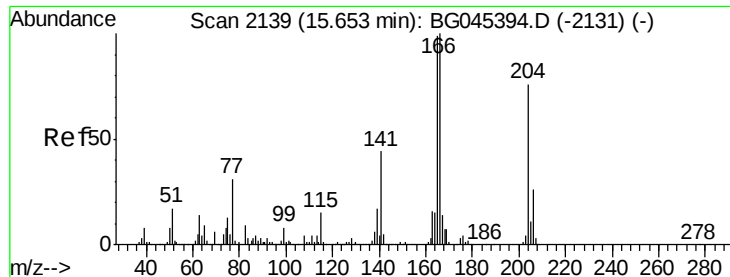
Tot Ion:232	Resp:	30847
Ion Ratio	Lower	Upper
232	100	
131	33.7	33.7 50.5
130	2.8	2.1 3.1
166	21.9	23.2 34.8#



#60
 Diethylphthalate
 Concen: 7.909 ng
 RT: 15.42 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BG045427.D
 Acq: 19 May 2020 16:45

Tgt Ion:149	Resp:	136065
Ion Ratio	Lower	Upper
149	100	
177	25.3	19.0 28.4
150	13.8	11.4 17.0

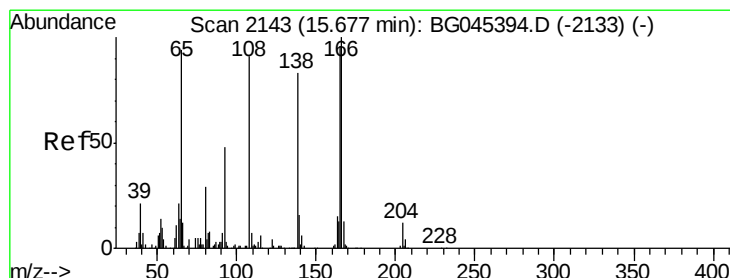
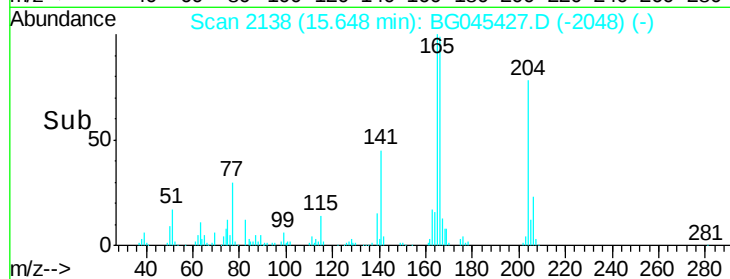
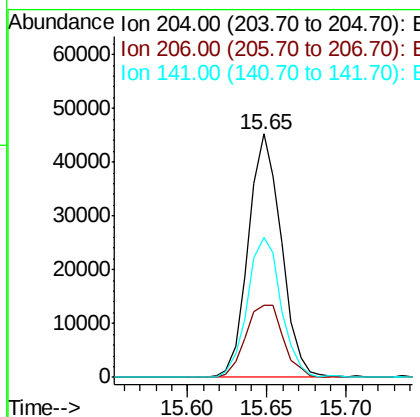
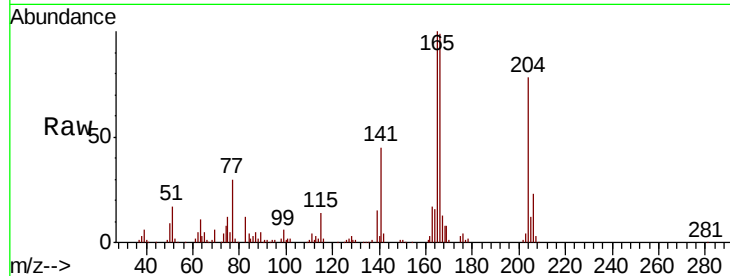




#61
4-Chlorophenyl-phenylether
Concen: 7.268 ng
RT: 15.65 min Scan# 2138
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

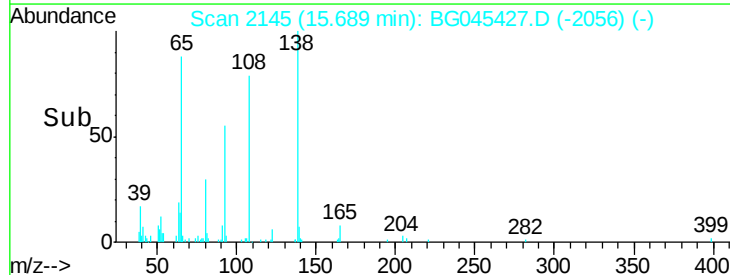
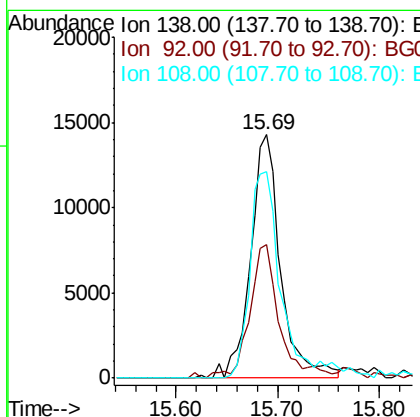
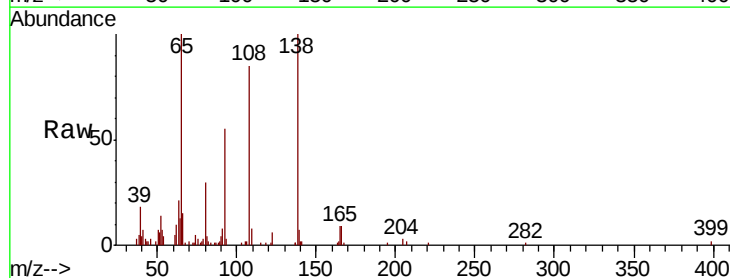
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

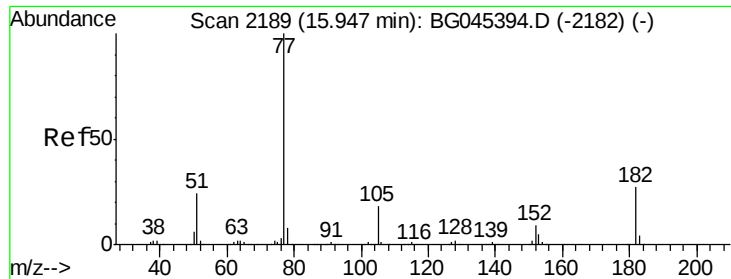
Tot Ion:204 Resp: 65582
Ion Ratio Lower Upper
204 100
206 29.4 27.3 40.9
141 57.5 45.9 68.9



#62
4-Nitroaniline
Concen: 7.421 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:138 Resp: 29371
Ion Ratio Lower Upper
138 100
92 54.9 38.0 78.0
108 84.8 89.3 129.3#

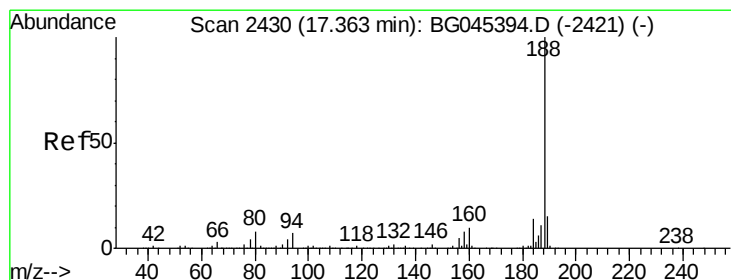
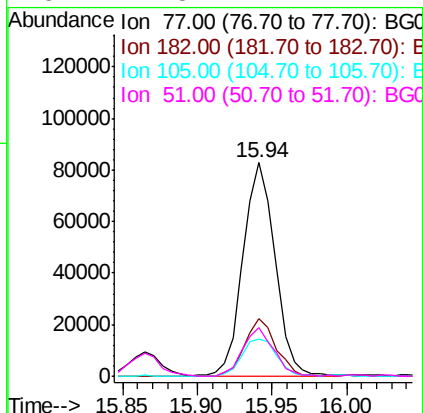
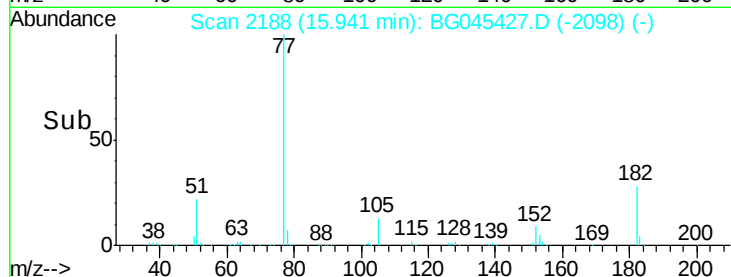
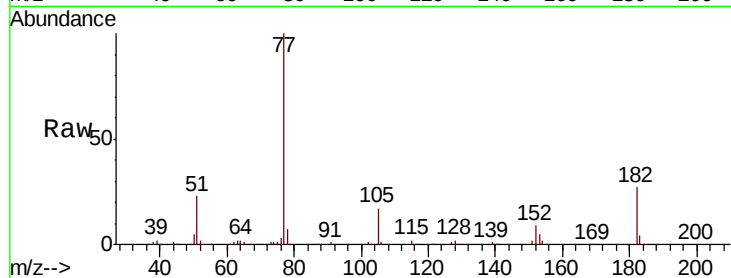




#63
Azobenzene
Concen: 7.620 ng
RT: 15.94 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

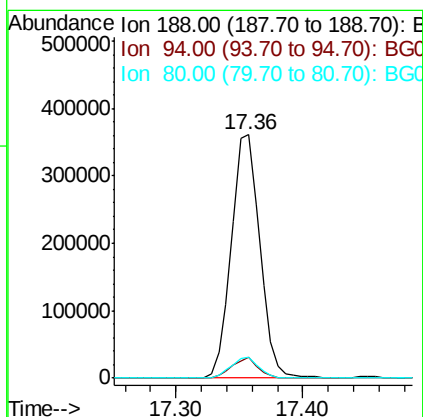
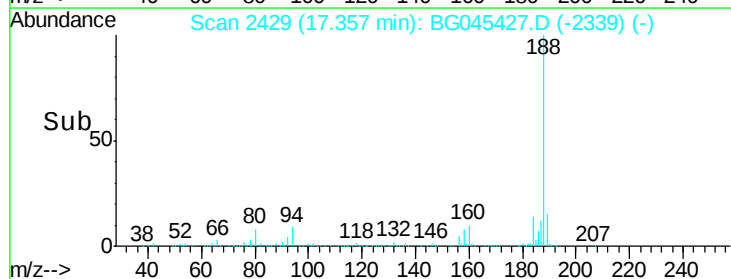
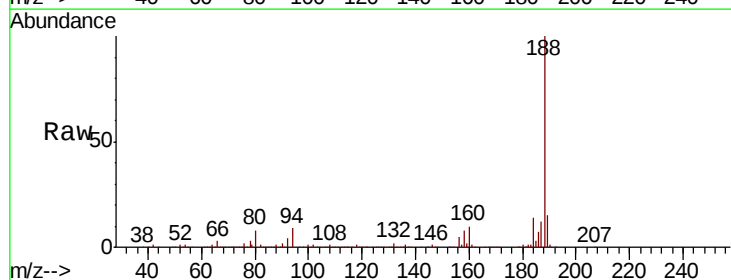
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

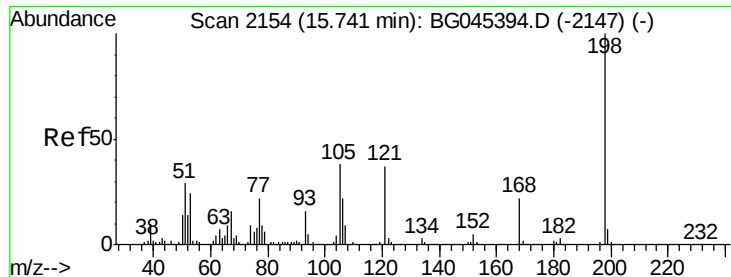
Tot Ion:	77	Resp:	122231
Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.5	46.5
105	17.4	0.0	37.9
51	22.8	4.1	44.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:	188	Resp:	560631
Ion	Ratio	Lower	Upper
188	100		
94	8.7	5.5	8.3#
80	8.3	6.6	10.0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.167 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

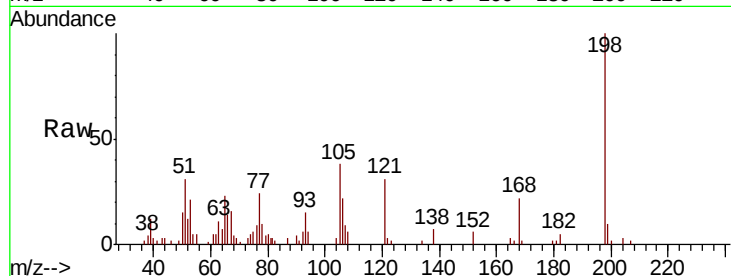
Tot Ion:198 Resp: 16871

Ion Ratio Lower Upper

198 100

51 31.1 10.0 50.0

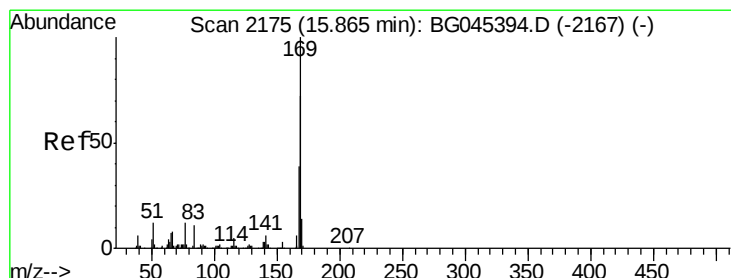
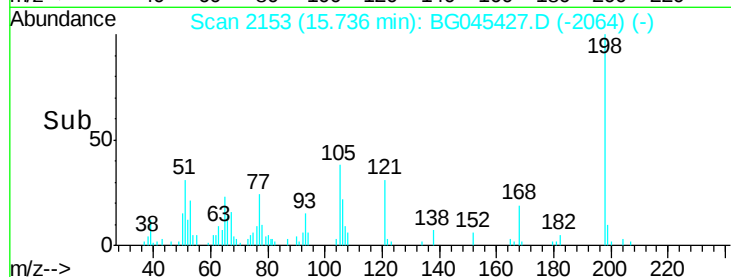
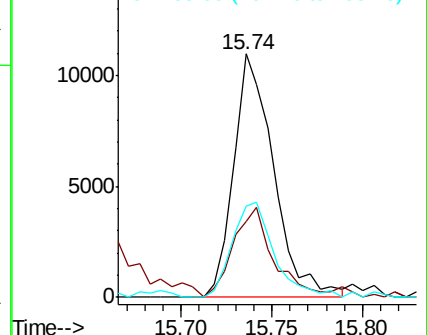
105 37.6 18.9 58.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.312 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

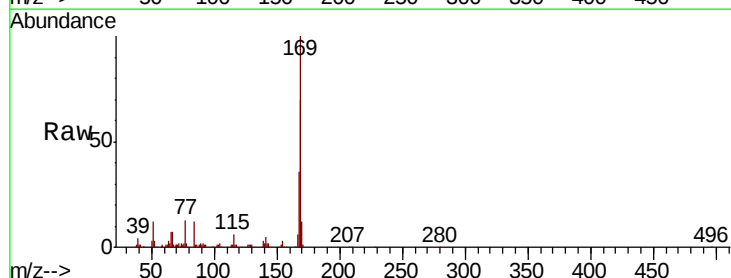
Tgt Ion:169 Resp: 111882

Ion Ratio Lower Upper

169 100

168 70.0 57.8 86.6

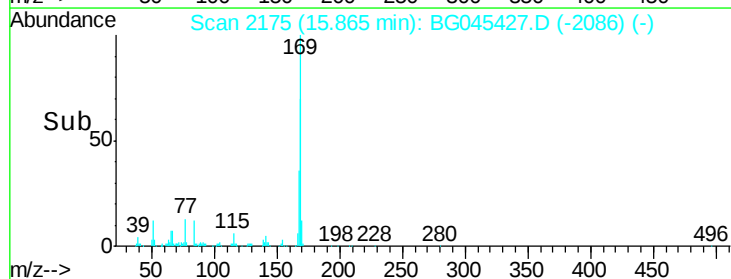
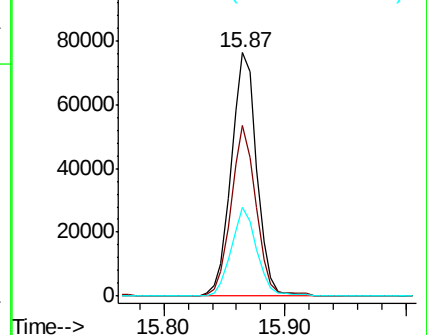
167 36.3 31.5 47.3

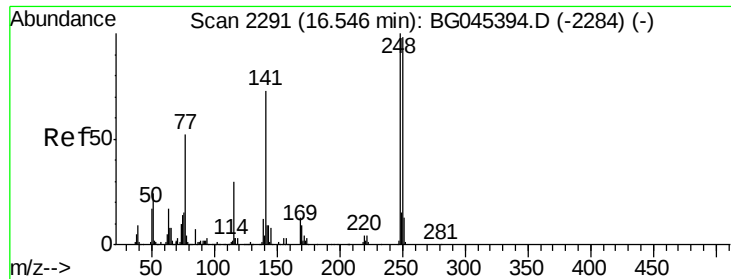


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 7.048 ng

RT: 16.54 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

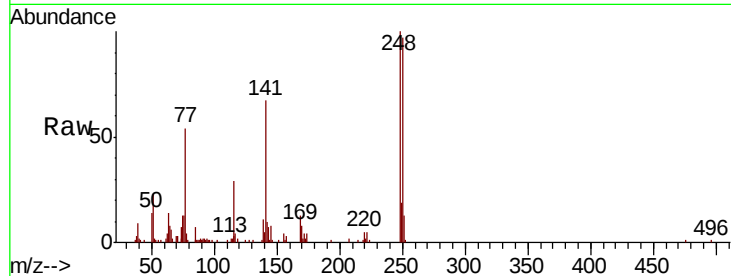
Tot Ion:248 Resp: 42786

Ion Ratio Lower Upper

248 100

250 97.3 78.6 117.8

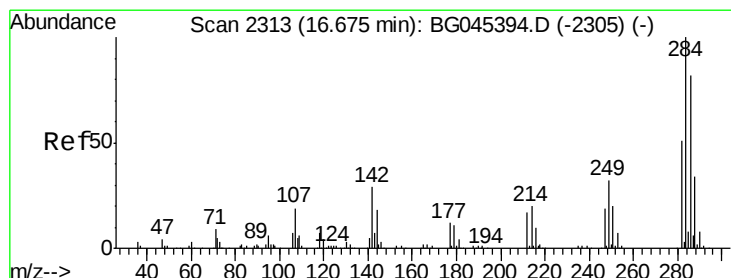
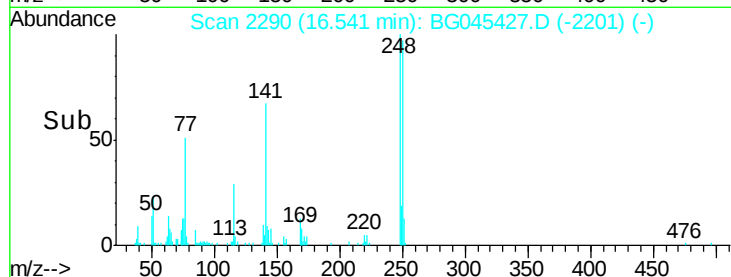
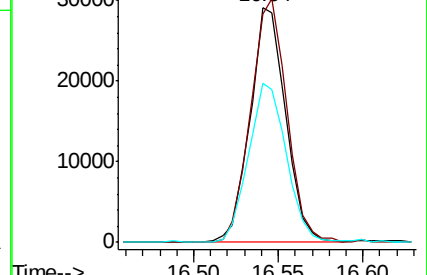
141 67.5 58.2 87.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 7.912 ng

RT: 16.66 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

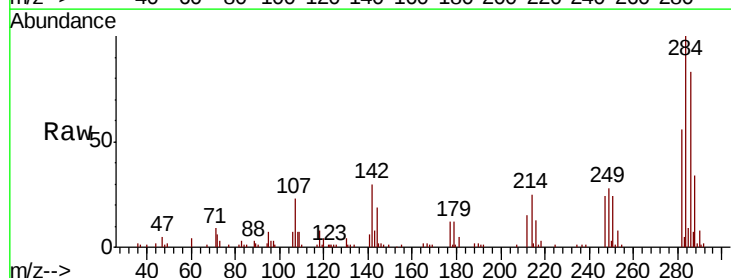
Tgt Ion:284 Resp: 50237

Ion Ratio Lower Upper

284 100

142 30.1 23.0 34.6

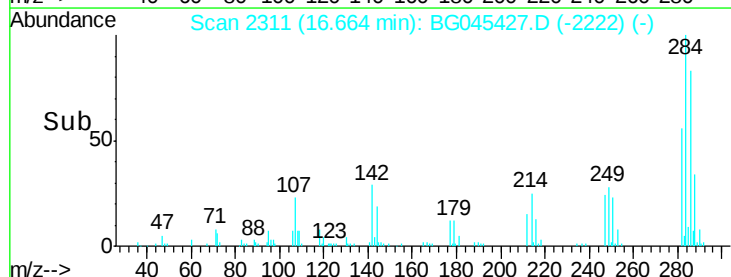
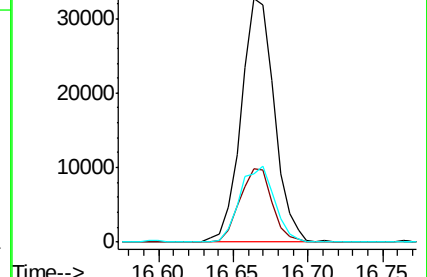
249 27.9 25.8 38.6

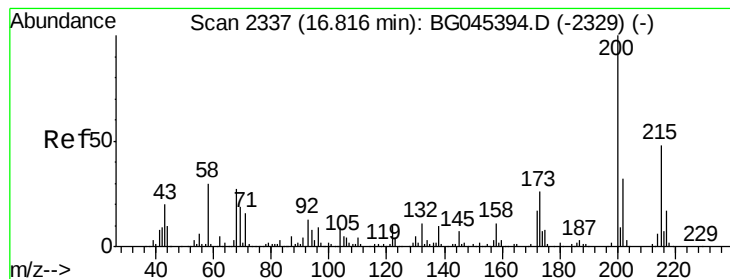


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

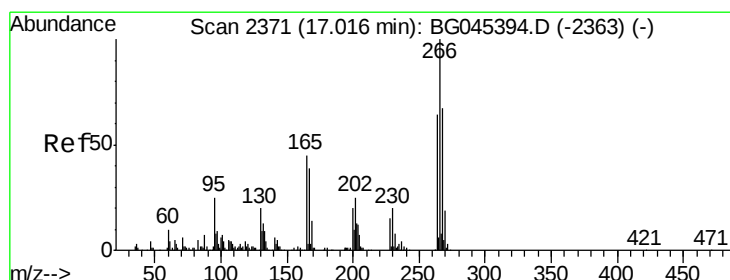
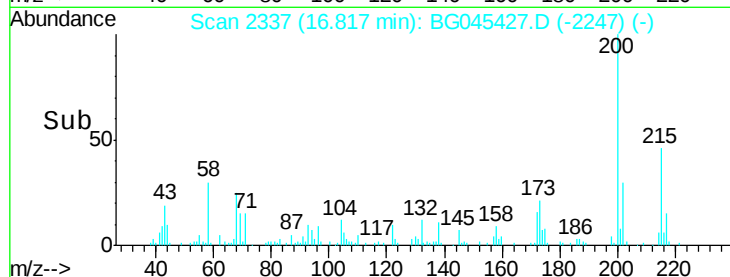
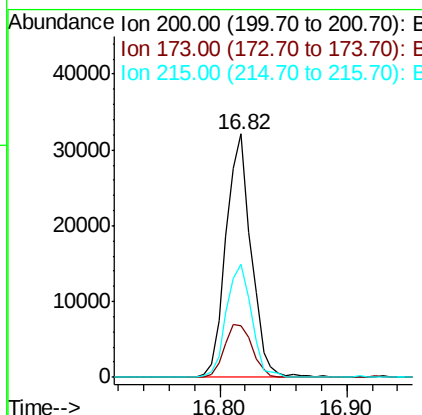
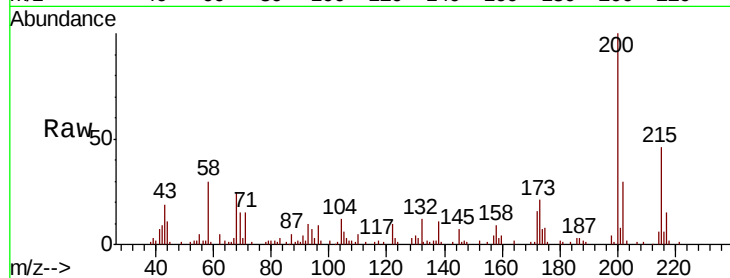




#69
Atrazine
Concen: 7.917 ng
RT: 16.82 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

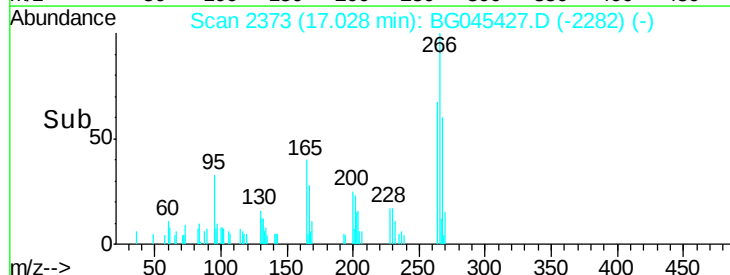
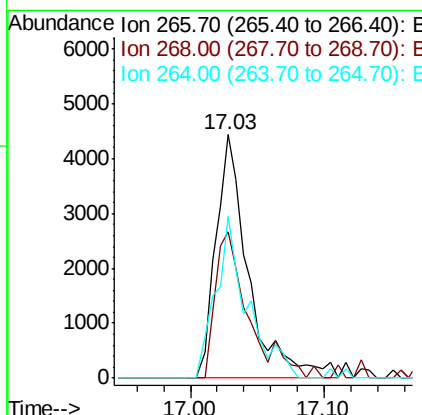
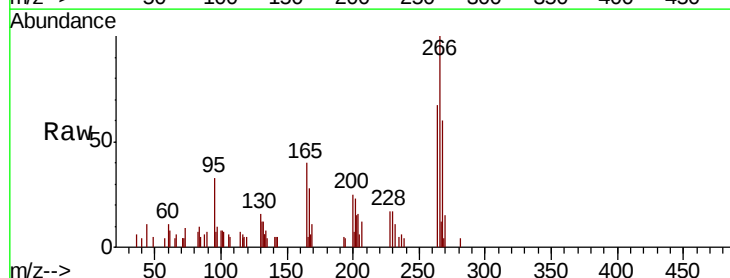
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

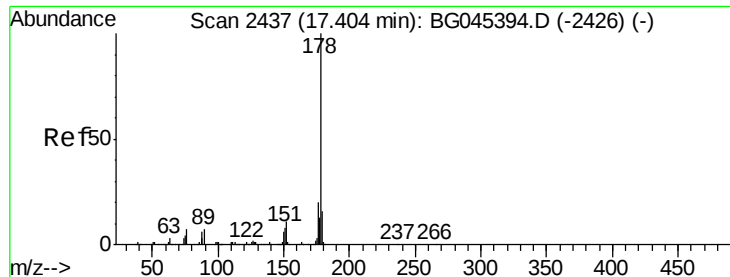
Tot Ion	Ratio	Lower	Upper
200	100		
173	21.4	5.5	45.5
215	46.2	28.2	68.2



#70
Pentachlorophenol
Concen: 2.315 ng
RT: 17.03 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.9	53.2	79.8
264	66.6	51.0	76.4

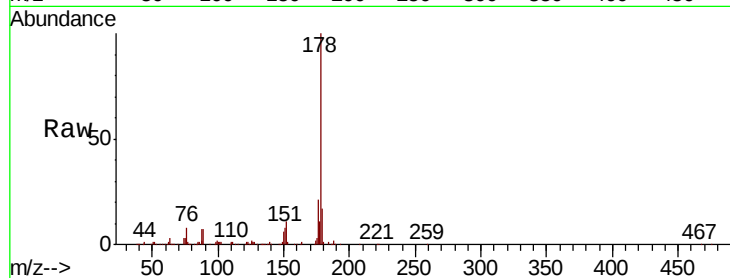




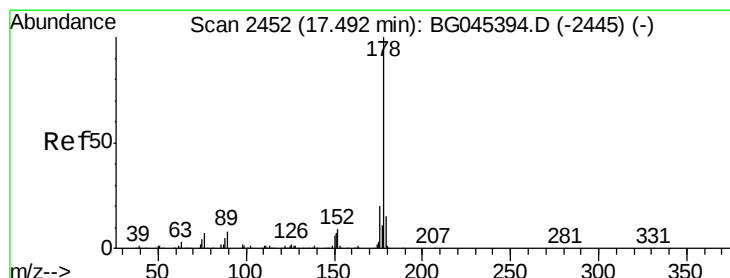
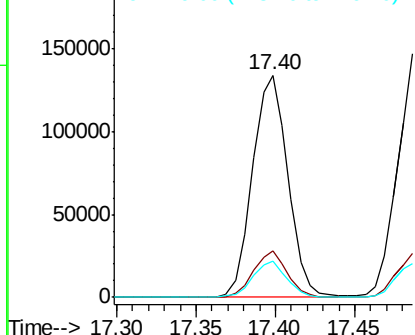
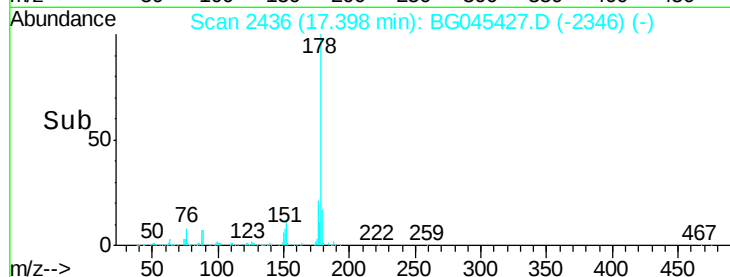
#71
Phenanthrene
Concen: 8.493 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:178 Resp: 207863
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.4
179 16.6 13.1 19.7

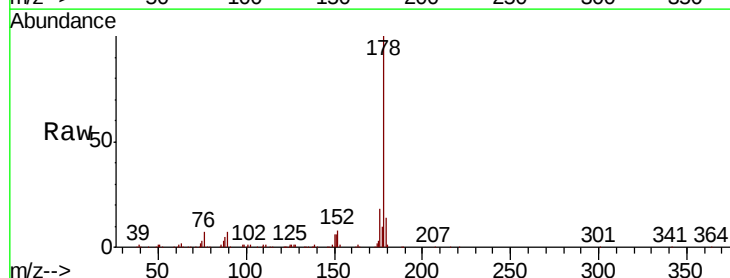


Abundance Ion 178.00 (177.70 to 178.70): E
200000 Ion 176.00 (175.70 to 176.70): E
100000 Ion 179.00 (178.70 to 179.70): E

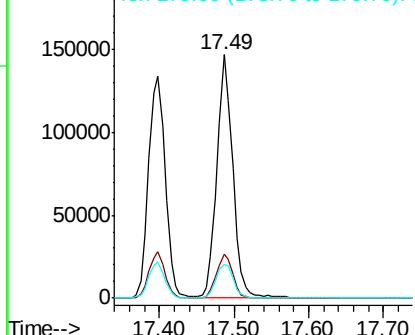
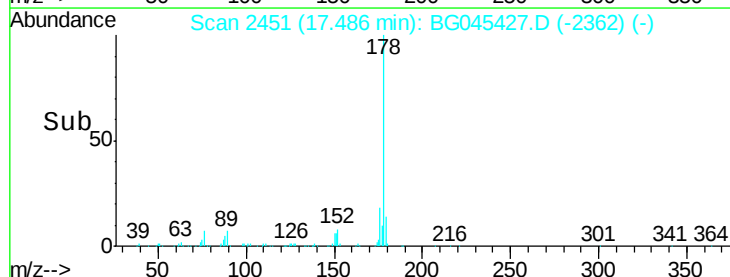


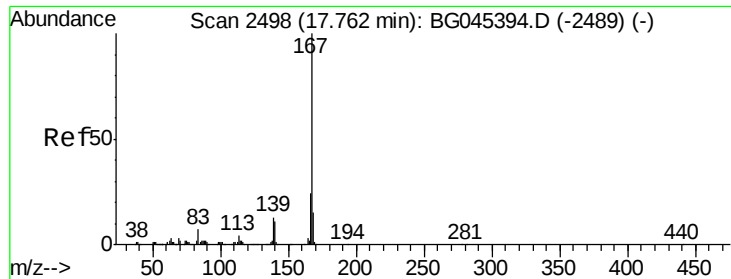
#72
Anthracene
Concen: 8.836 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion:178 Resp: 217177
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 14.0 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
200000 Ion 176.00 (175.70 to 176.70): E
100000 Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 8.413 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

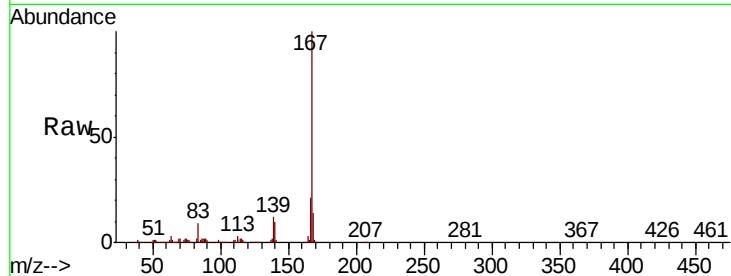
Tot Ion:167 Resp: 201548

Ion Ratio Lower Upper

167 100

166 21.2 19.2 28.8

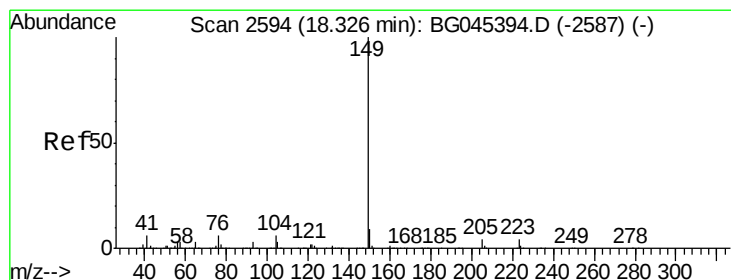
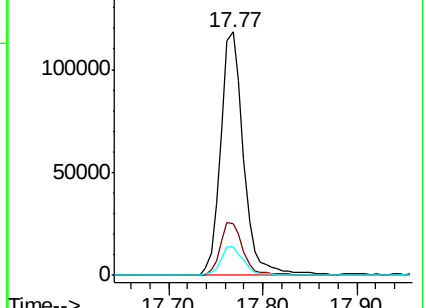
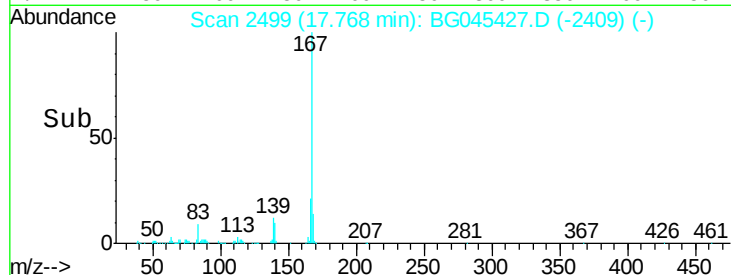
139 11.7 10.6 16.0



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: 8.496 ng

RT: 18.32 min Scan# 2593

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

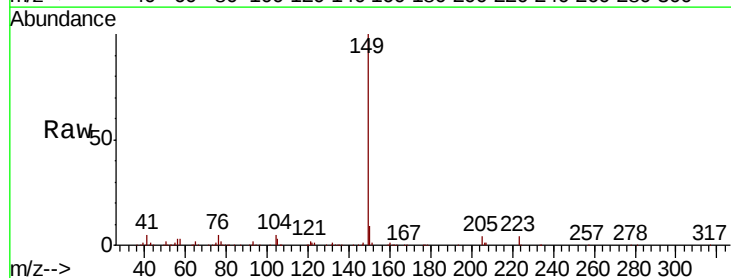
Tgt Ion:149 Resp: 244309

Ion Ratio Lower Upper

149 100

150 8.6 7.6 11.4

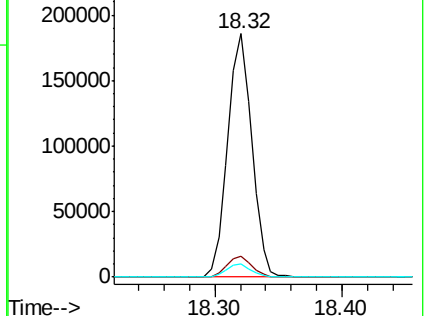
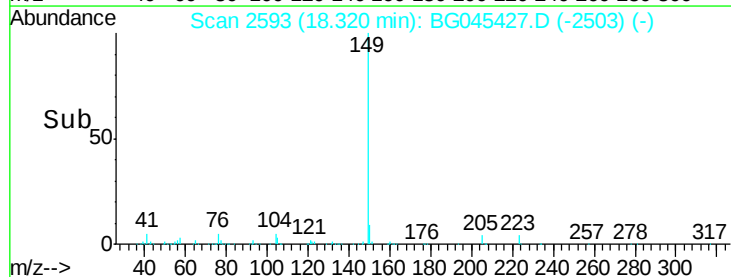
104 5.3 5.0 7.4

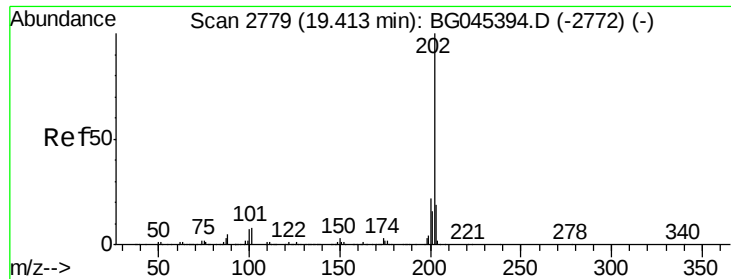


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.781 ng

RT: 19.41 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

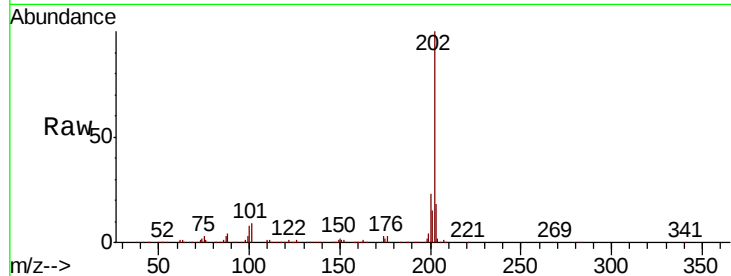
Tot Ion:202 Resp: 273361

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.3

203 18.3 0.0 39.0



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

250000

200000

150000

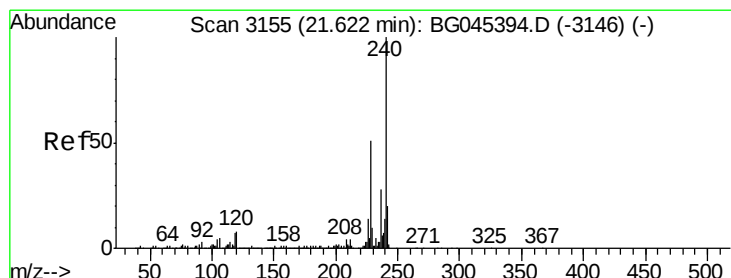
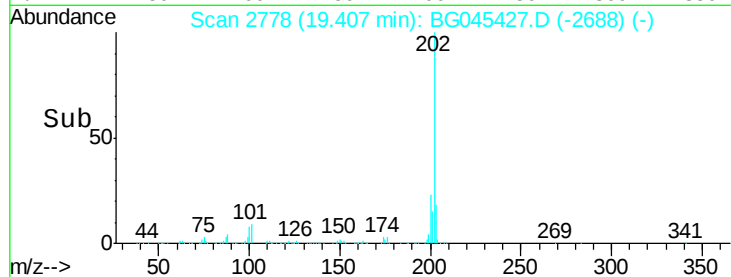
100000

50000

0

19.30 19.40 19.50

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

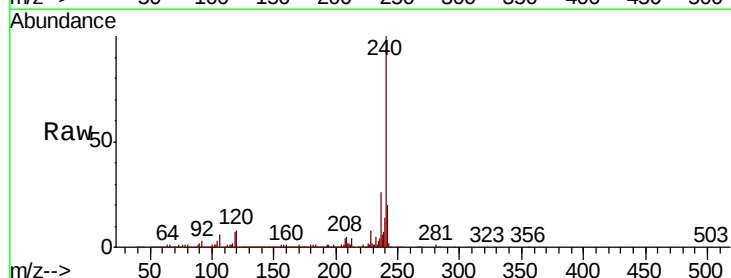
Tgt Ion:240 Resp: 570761

Ion Ratio Lower Upper

240 100

120 8.0 6.1 9.1

236 26.3 22.3 33.5



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

400000

300000

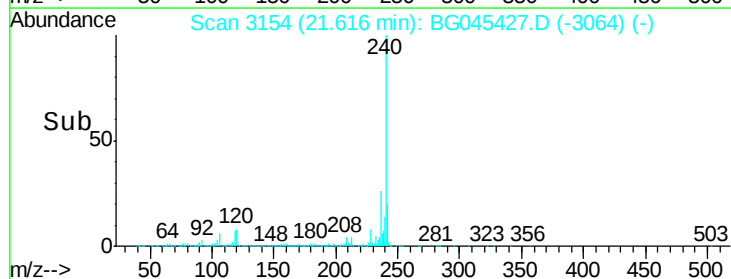
200000

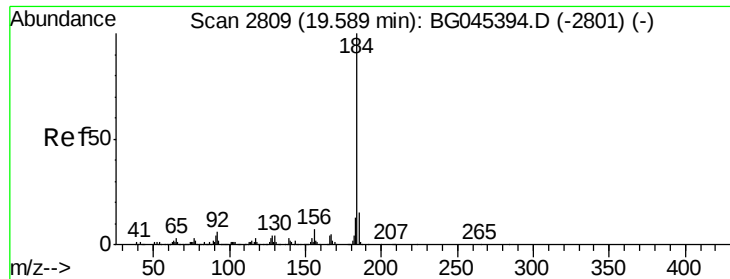
100000

0

21.50 21.60 21.70

Time-->





#77

Benzidine

Concen: 7.265 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

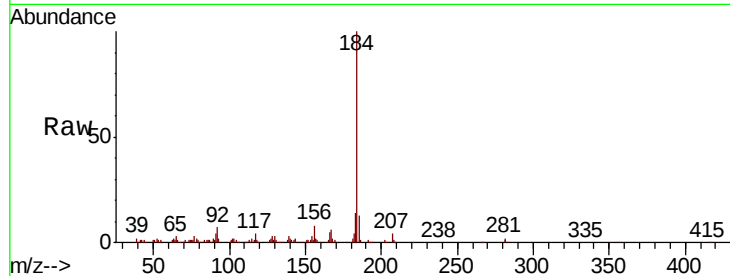
Tot Ion:184 Resp: 116464

Ion Ratio Lower Upper

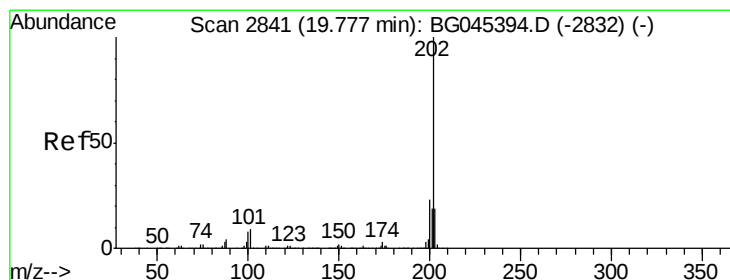
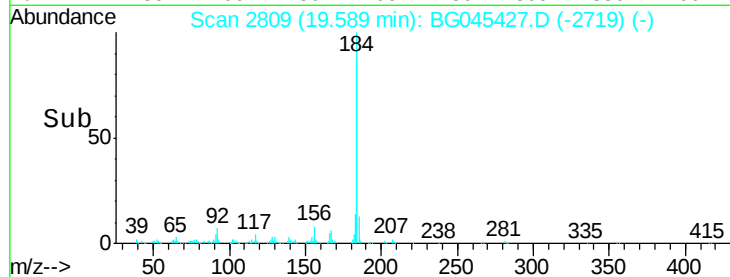
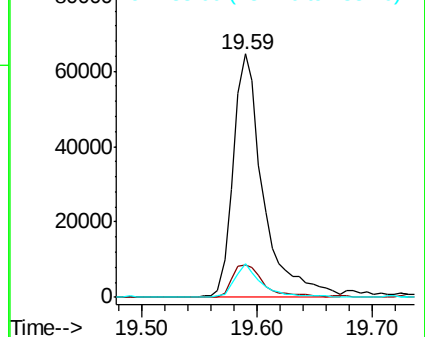
184 100

185 13.2 11.7 17.5

183 13.6 10.2 15.4



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: 8.605 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

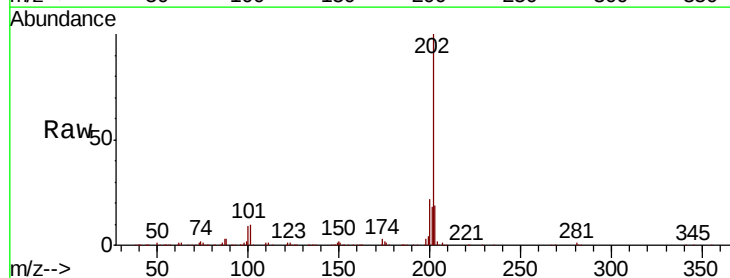
Tgt Ion:202 Resp: 279981

Ion Ratio Lower Upper

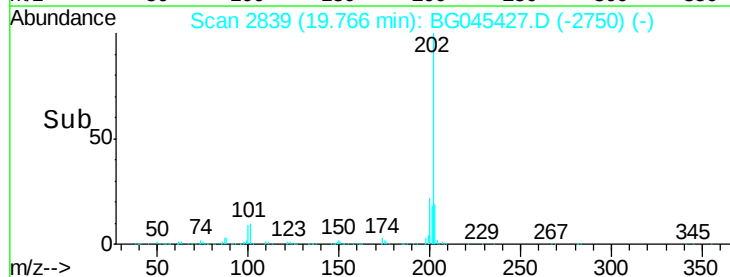
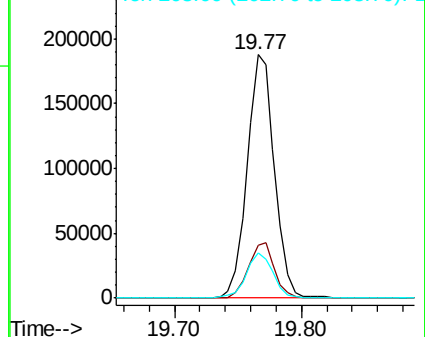
202 100

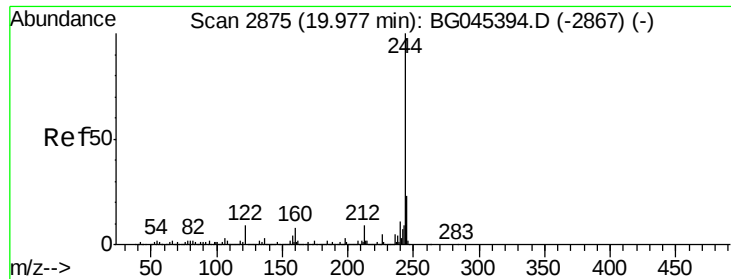
200 21.7 18.2 27.2

203 18.7 15.1 22.7



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: 96.050 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

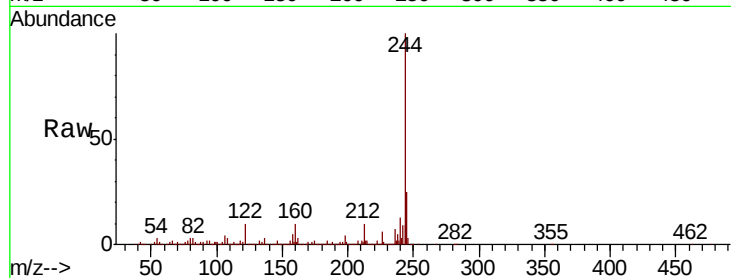
Tot Ion:244 Resp: 2350530

Ion Ratio Lower Upper

244 100

212 10.4 7.4 11.0

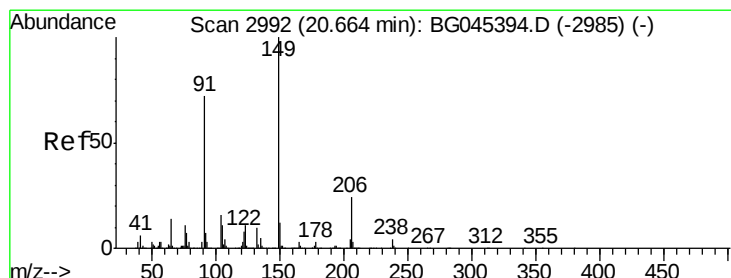
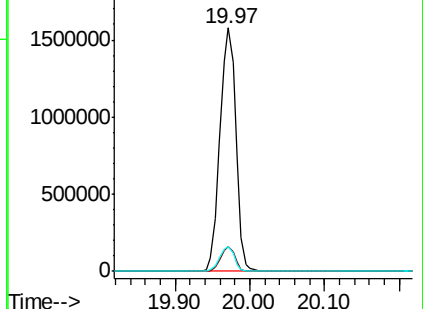
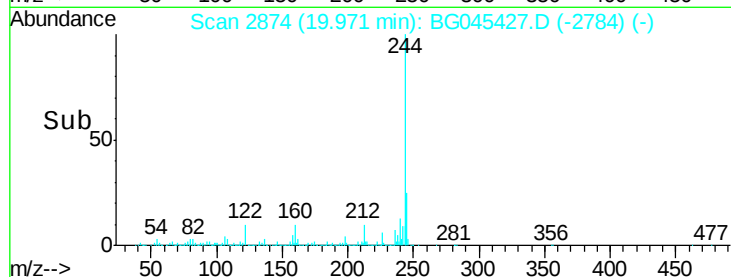
122 10.4 6.8 10.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.928 ng

RT: 20.66 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

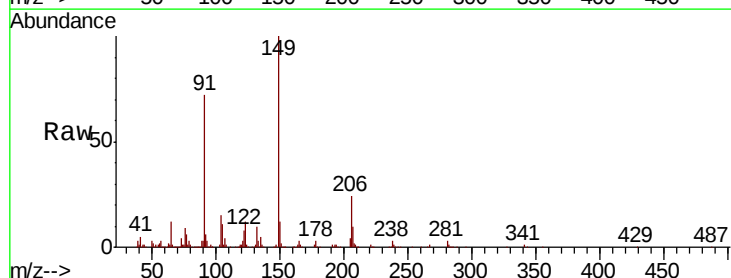
Tgt Ion:149 Resp: 111330

Ion Ratio Lower Upper

149 100

91 72.0 57.8 86.6

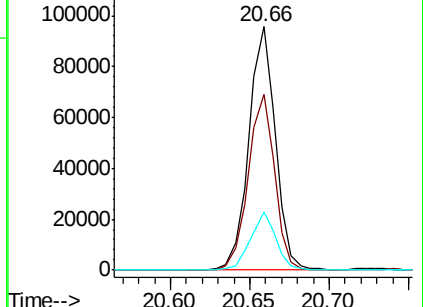
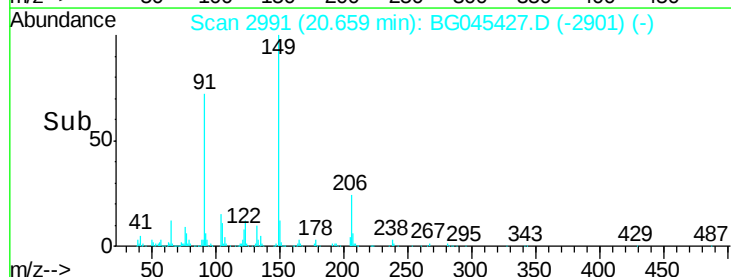
206 23.8 19.1 28.7

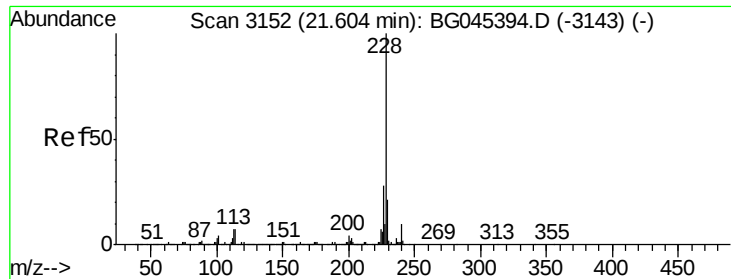


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.484 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

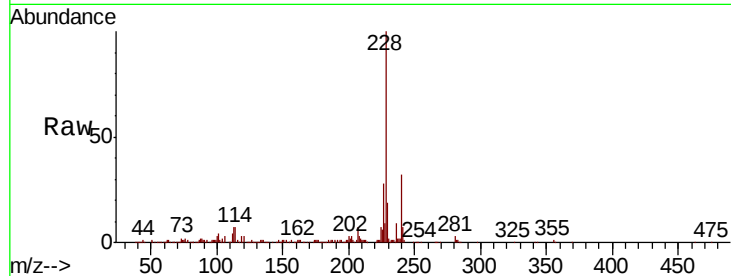
Tot Ion:228 Resp: 269762

Ion Ratio Lower Upper

228 100

226 27.5 22.7 34.1

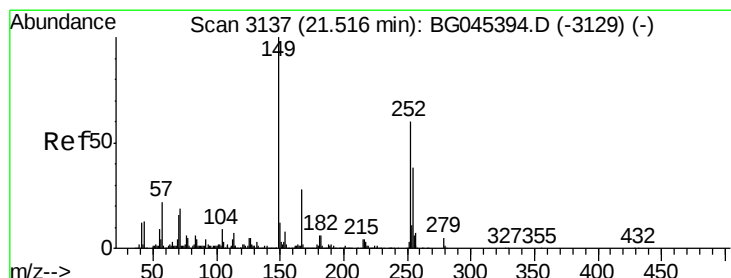
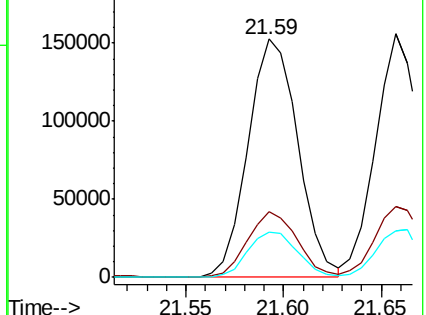
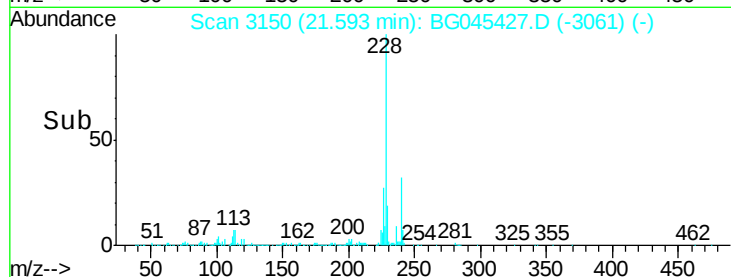
229 19.0 16.7 25.1



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: 8.585 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

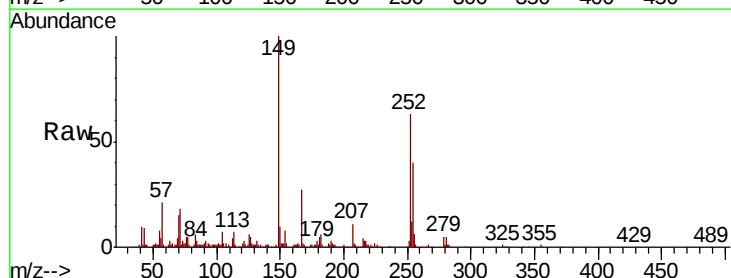
Tgt Ion:252 Resp: 107074

Ion Ratio Lower Upper

252 100

254 63.9 51.3 76.9

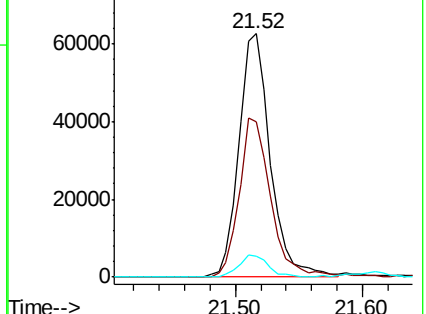
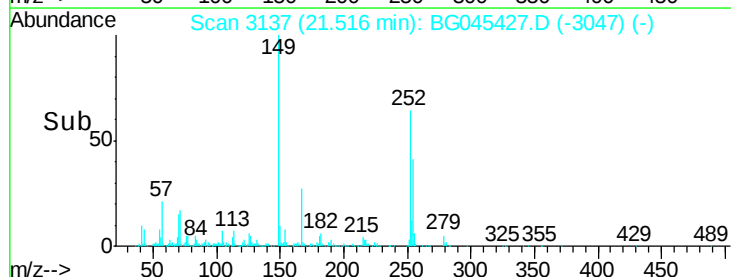
126 8.7 6.6 10.0

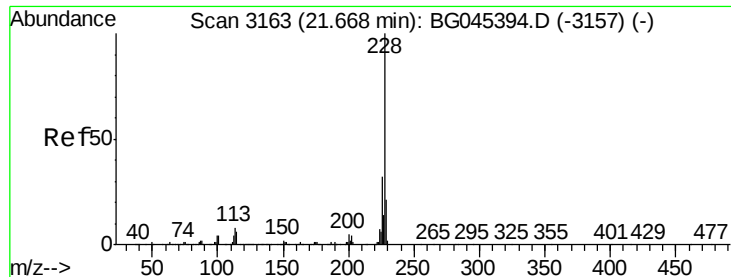


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.506 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

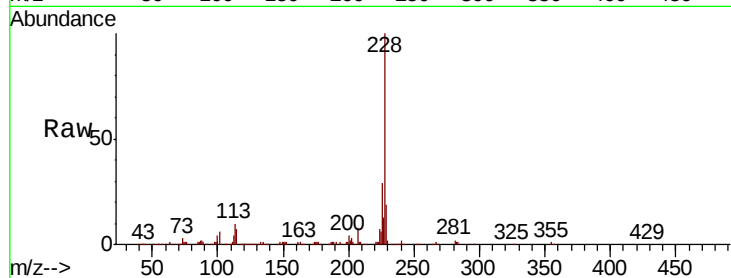
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 260043

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.2	37.8
229	19.3	16.7	25.1

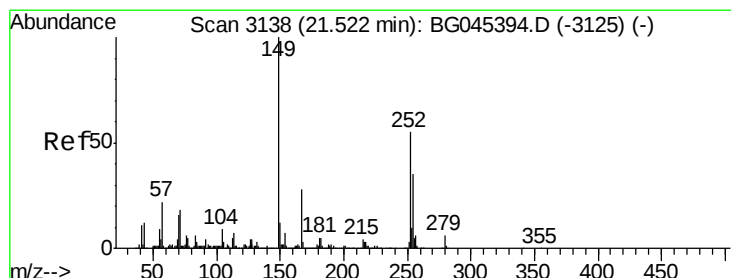
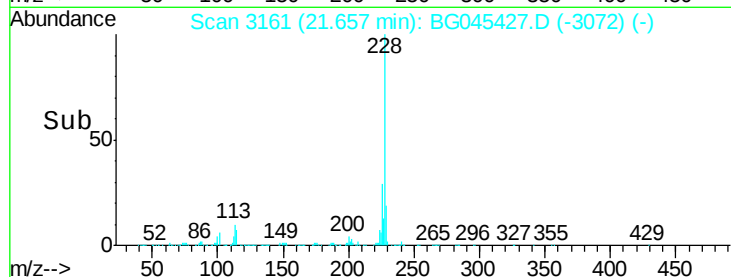
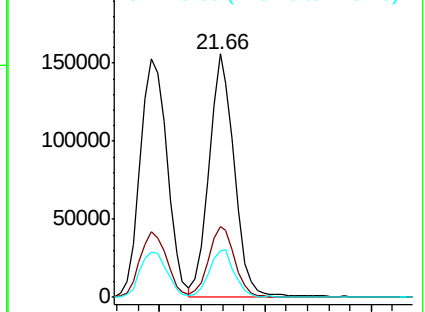


Abundance

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: 8.149 ng

RT: 21.51 min Scan# 3136

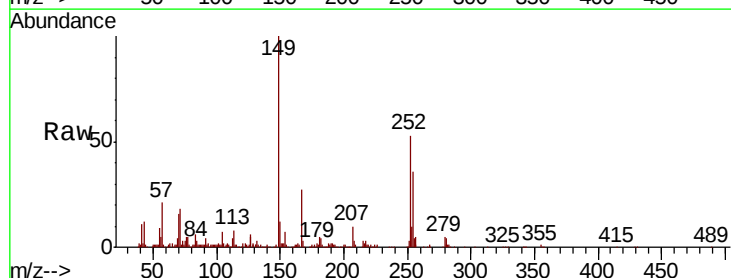
Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Tgt Ion:149 Resp: 157314

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.2
279	4.9	4.7	7.1

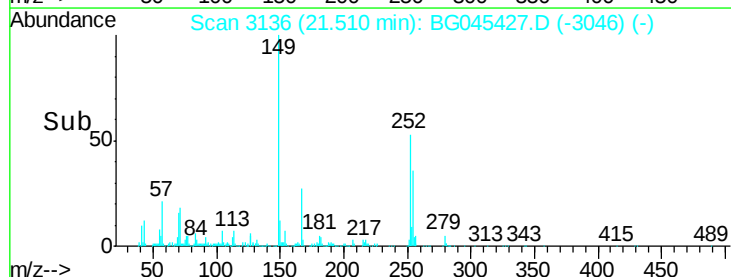
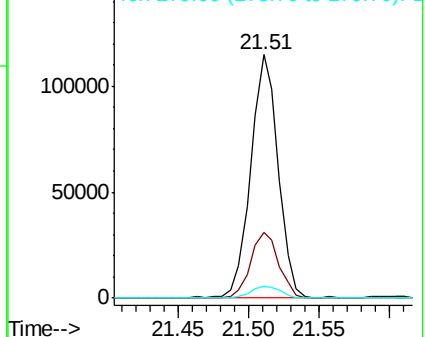


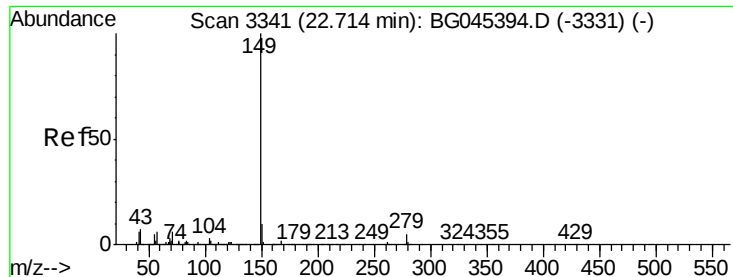
Abundance

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: 8.107 ng

RT: 22.70 min Scan# 3339

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

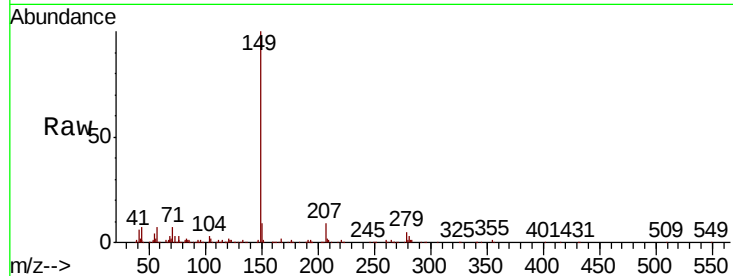
Tot Ion:149 Resp: 268800

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 7.3 5.8 8.8



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

22.70

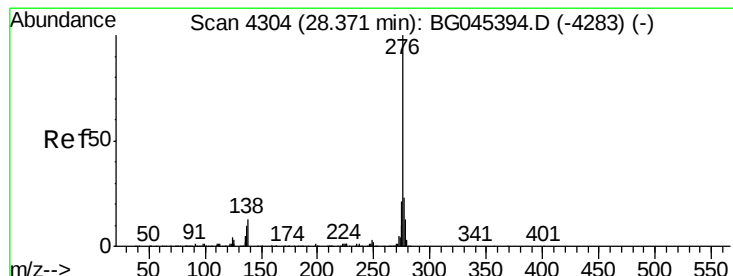
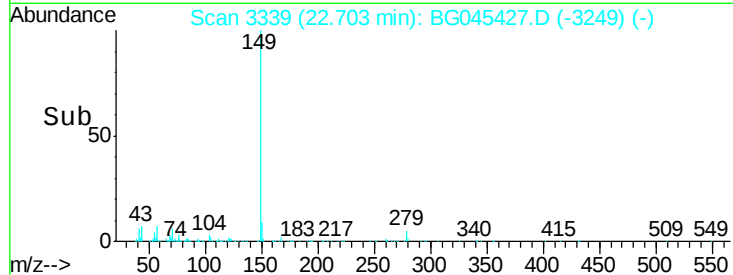
150000

100000

50000

0

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.784 ng

RT: 28.34 min Scan# 4299

Delta R.T. -0.02 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

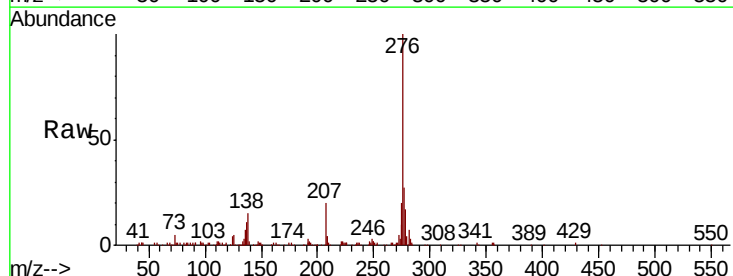
Tgt Ion:276 Resp: 311212

Ion Ratio Lower Upper

276 100

138 13.3 8.6 12.8#

277 25.3 20.2 30.4



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

28.34

80000

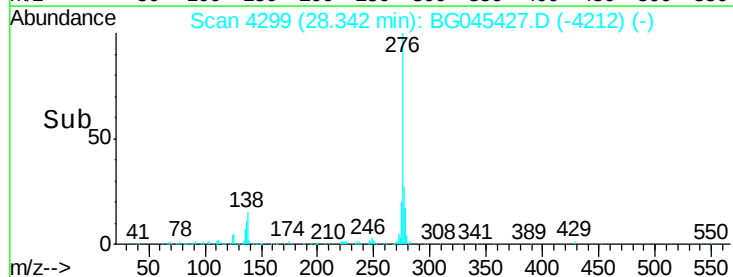
60000

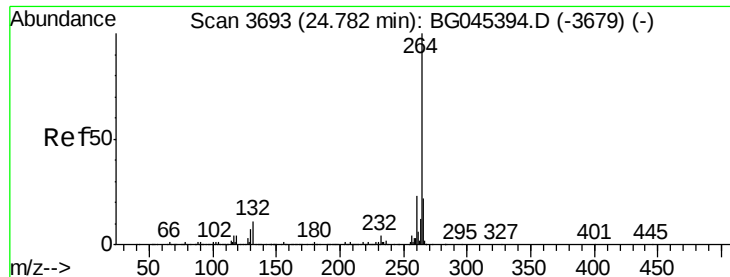
40000

20000

0

Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

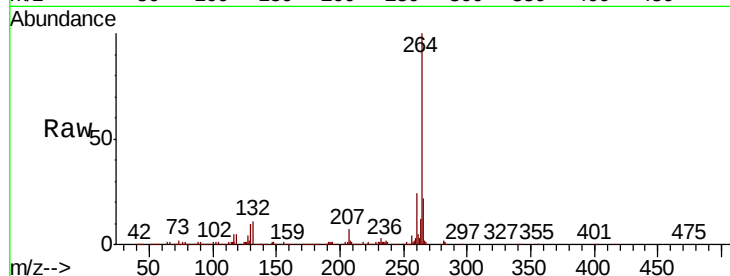
Tot Ion:264 Resp: 612500

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

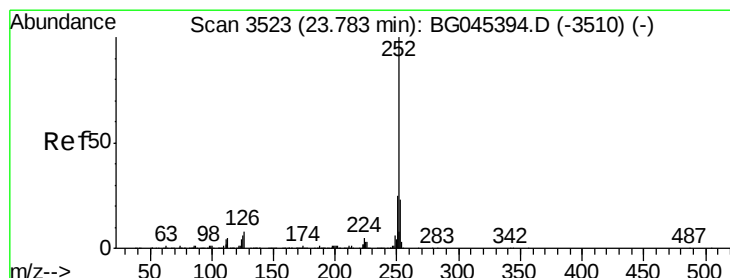
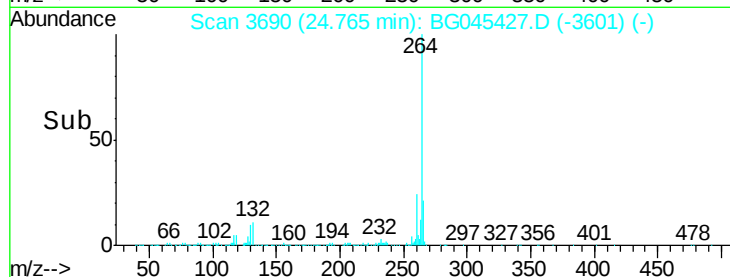
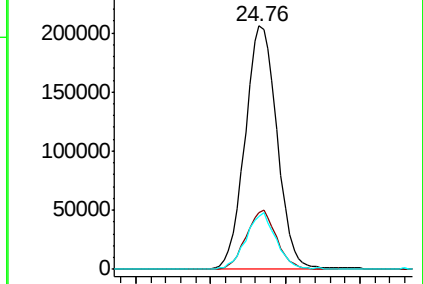
265 21.5 17.6 26.4



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: 8.184 ng

RT: 23.77 min Scan# 3521

Delta R.T. -0.00 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

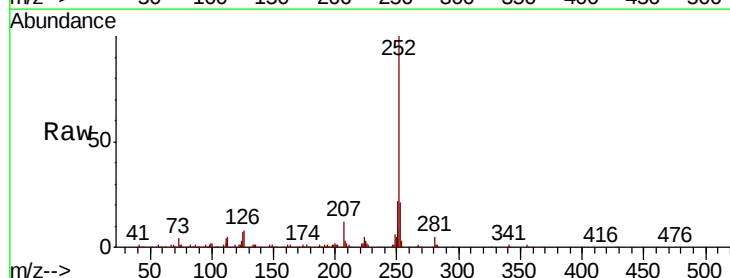
Tgt Ion:252 Resp: 268827

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

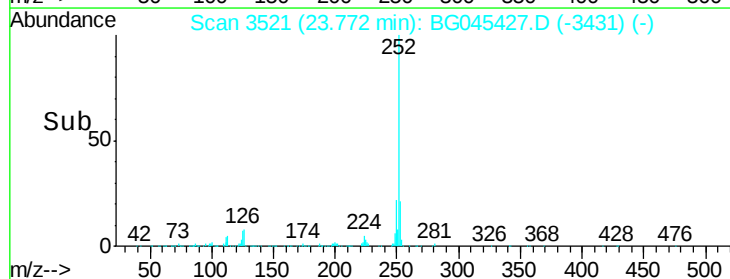
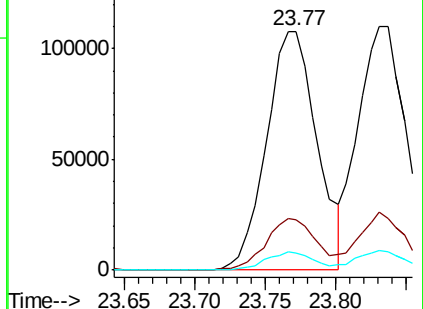
125 7.3 5.0 7.6

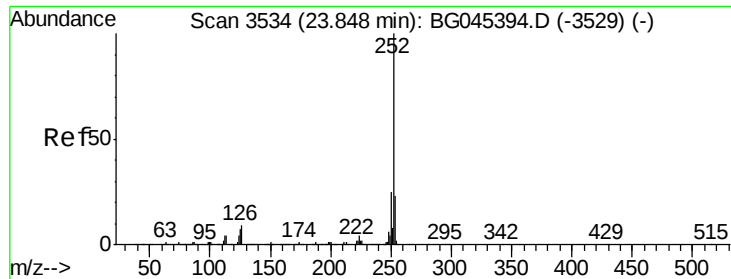


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.530 ng

RT: 23.83 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

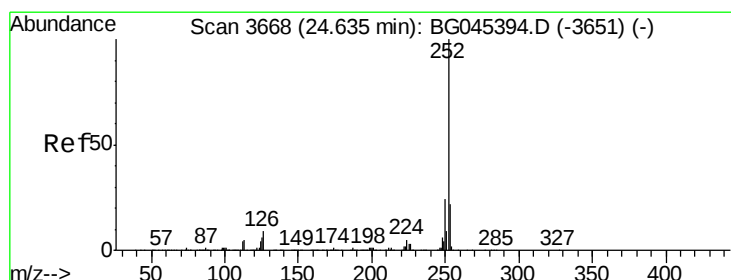
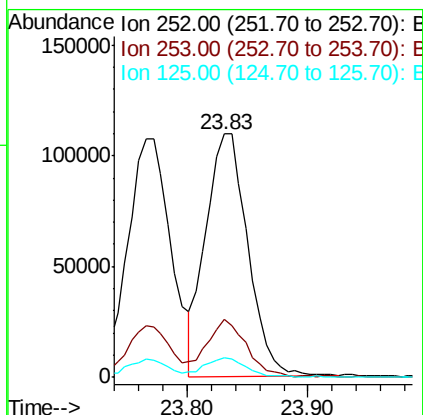
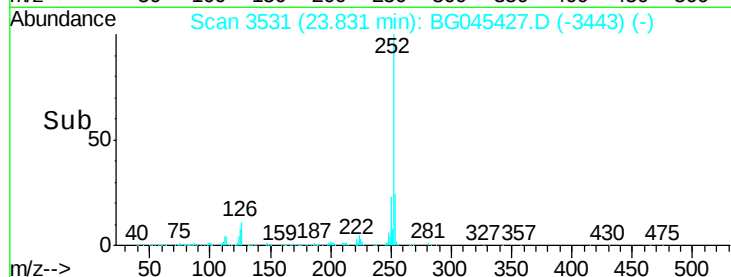
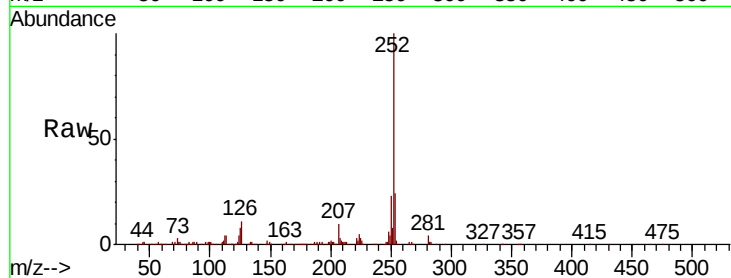
Tot Ion:252 Resp: 263254

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

125 7.8 5.7 8.5



#90

Benzo(a)pyrene

Concen: 7.984 ng

RT: 24.62 min Scan# 3665

Delta R.T. -0.01 min

Lab File: BG045427.D

Acq: 19 May 2020 16:45

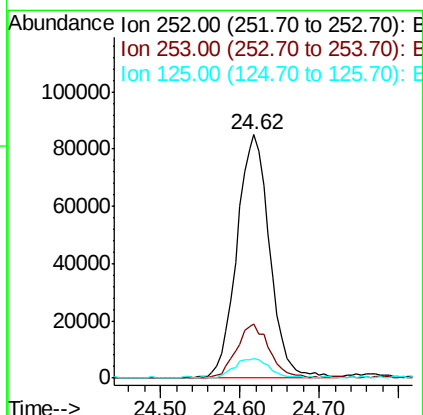
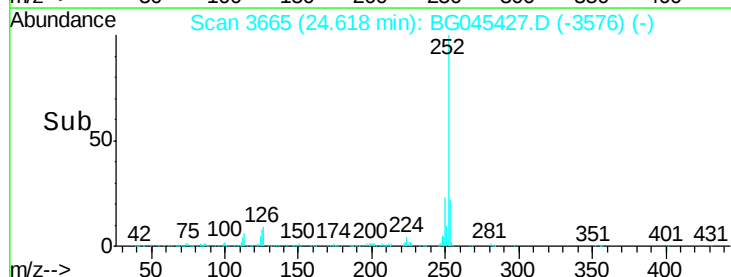
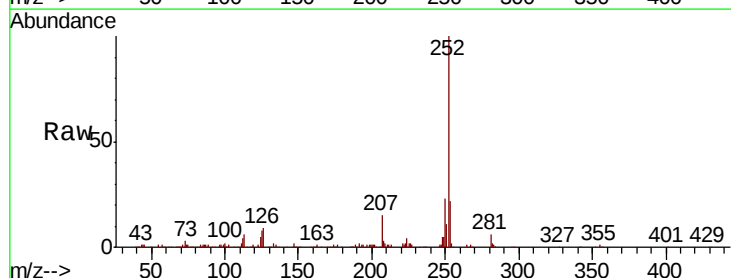
Tgt Ion:252 Resp: 244245

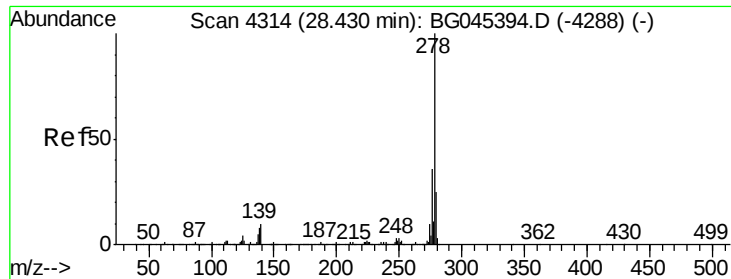
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 7.9 5.0 7.6#

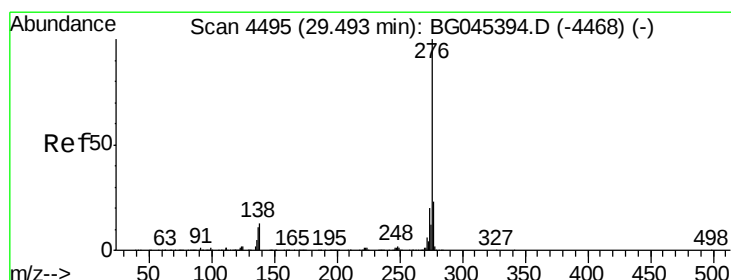
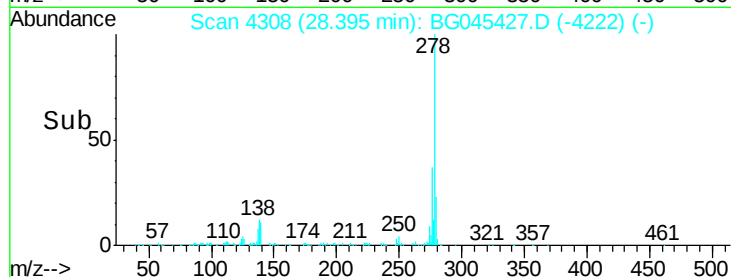
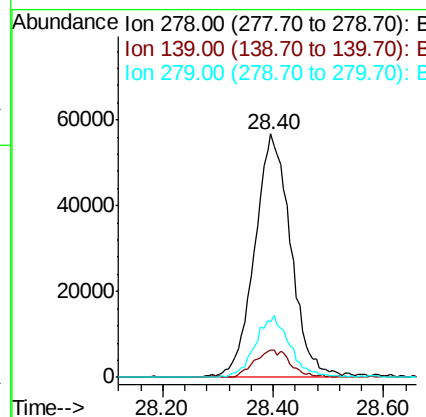
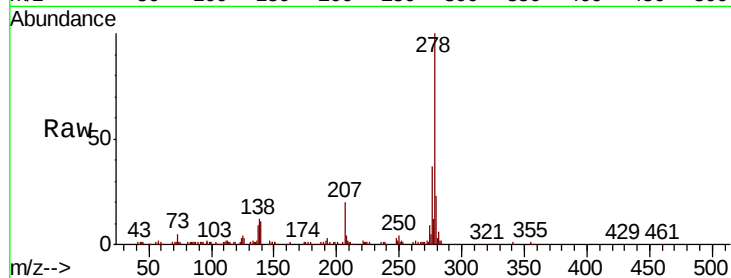




#91
Dibenzo(a,h)anthracene
Concen: 8.369 ng
RT: 28.40 min Scan# 4308
Delta R.T. -0.03 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.3	7.8	11.8
279	22.6	19.8	29.8



#92
Benzo(g,h,i)perylene
Concen: 8.377 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.02 min
Lab File: BG045427.D
Acq: 19 May 2020 16:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.2	18.1	27.1
138	14.2	10.2	15.4

