

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033221.D
 Acq On : 17 Mar 2018 6:52
 Operator : SJ/JU
 Sample : J1931-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1503-07-OILY-SOIL

Quant Time: Mar 19 02:25:02 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	34794	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	144982	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	102692	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	305351	20.00	ng	0.00
75) Chrysene-d12	22.60	240	331516	20.00	ng	-0.01
86) Perylene-d12	26.39	264	295534	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	6.31	112	310043	142.56	ng	0.00
7) Phenol-d6	8.00	99	408003	134.59	ng	0.00
23) Nitrobenzene-d5	10.10	82	351163	158.39	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	270139	250.18	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	779890	109.53	ng	0.00
78) Terphenyl-d14	20.76	244	1671943	113.31	ng	0.00

Target Compounds

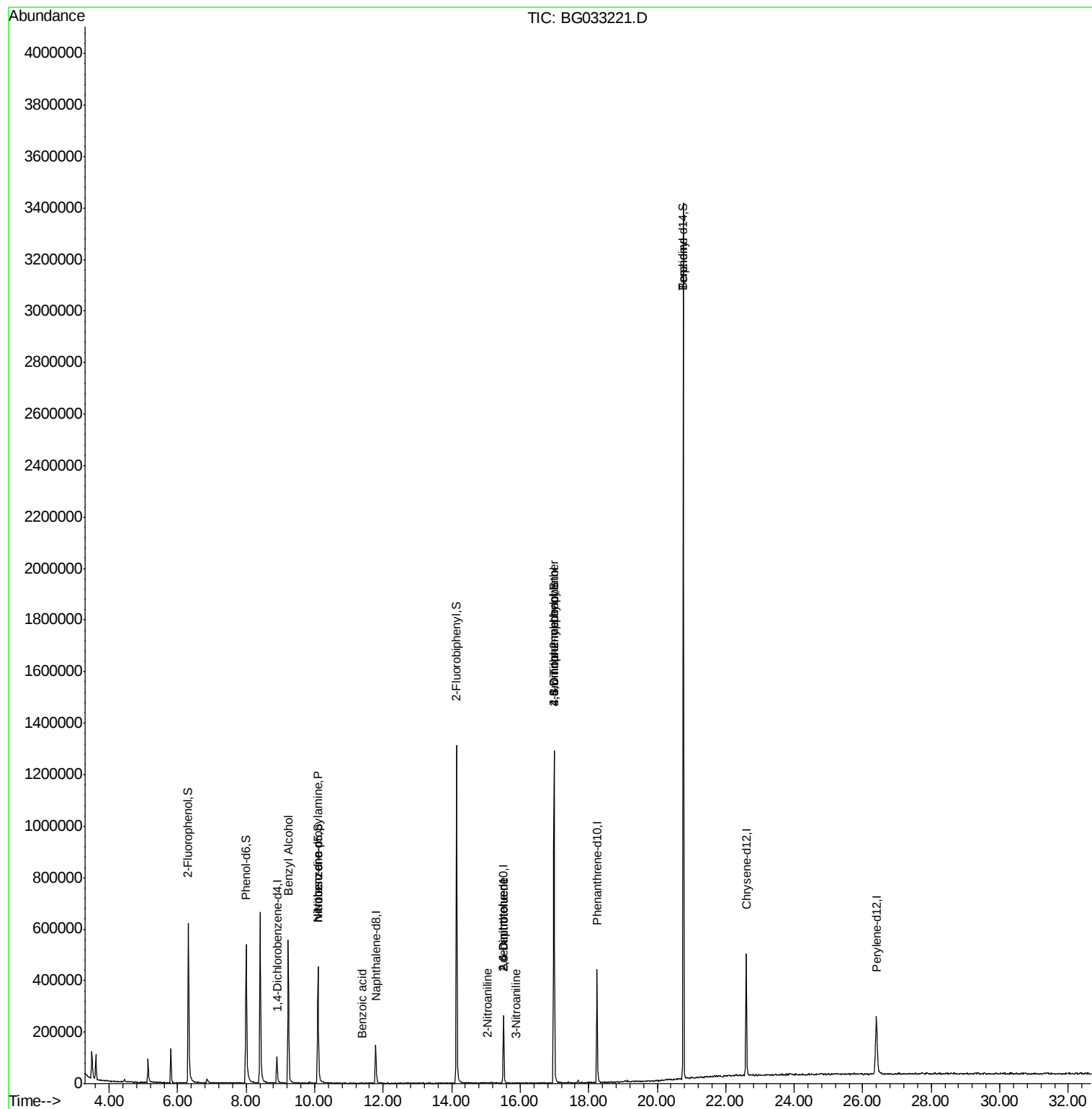
						Qvalue
15) Benzyl Alcohol	9.23	79	5625	2.524	ng	# 33
19) n-Nitroso-di-n-propylamine	10.10	70	48705	22.758	ng	# 77
24) Nitrobenzene	10.10	77	1052	6.775	ng	# 42
32) Benzoic acid	11.39	122	53	5.862	ng	# 1
47) 2-Nitroaniline	15.05	65	57	9.863	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	12609	16.015	ng	# 18
52) 3-Nitroaniline	15.87	138	65	7.574	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12609	14.210	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	718	5.946	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	20229	6.265	ng	# 1
76) Benzydine	20.77	184	28469	2.519	ng	# 87

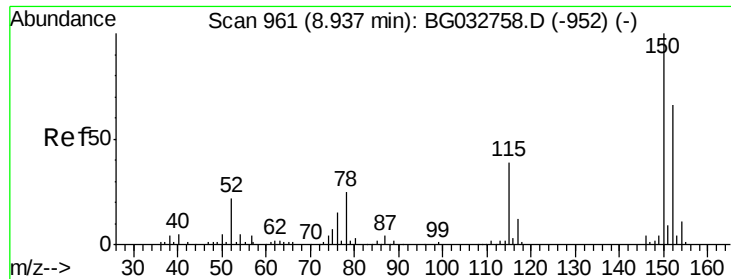
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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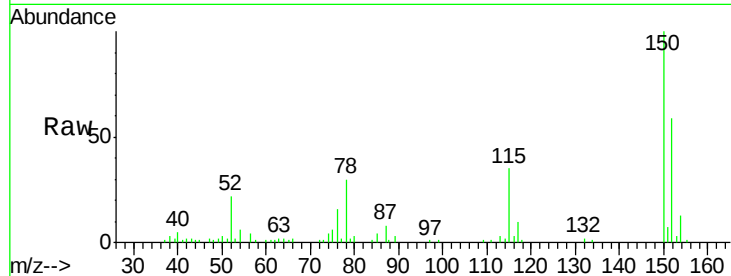


#1

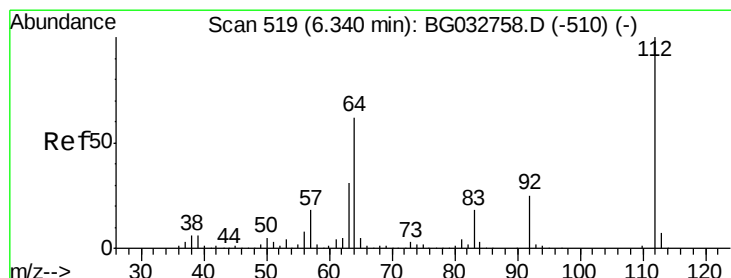
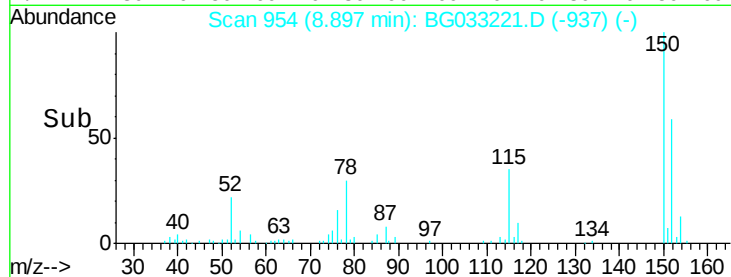
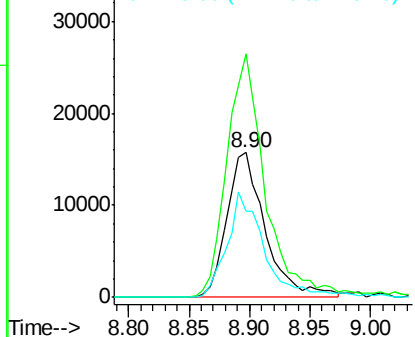
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Instrument :
BNA_G
ClientSampleId :
1503-07-OILY-SOIL

Tot Ion:152 Resp: 34794
Ion Ratio Lower Upper
152 100
150 168.2 126.6 189.8
115 59.3 53.0 79.4



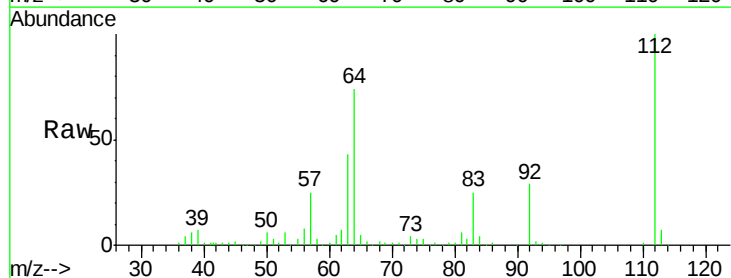
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



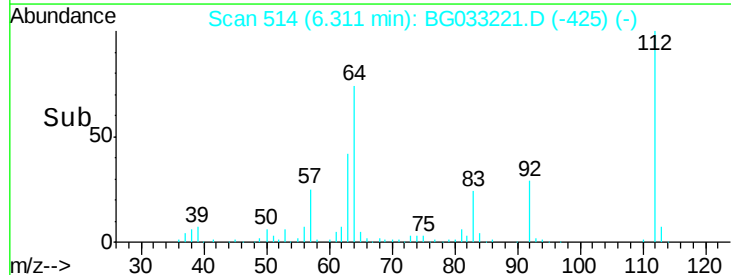
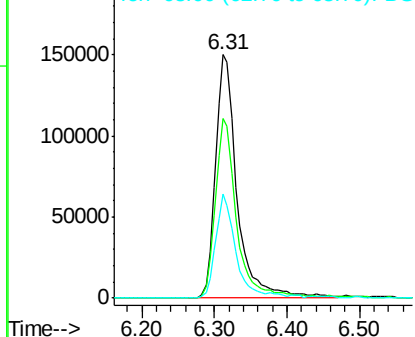
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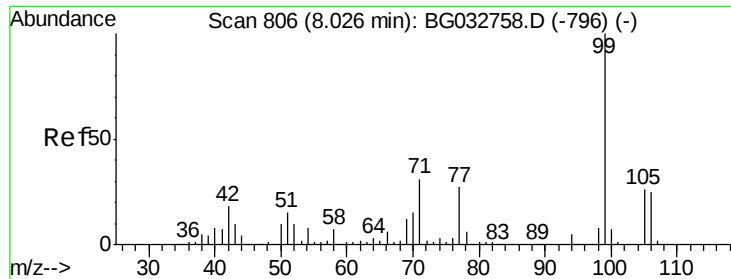
2-Fluorophenol
Concen: 142.560 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Tgt Ion:112 Resp: 310043
Ion Ratio Lower Upper
112 100
64 73.9 56.3 84.5
63 42.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 134.592 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Instrument :

BNA_G

ClientSampleId :

1503-07-OILY-SOIL

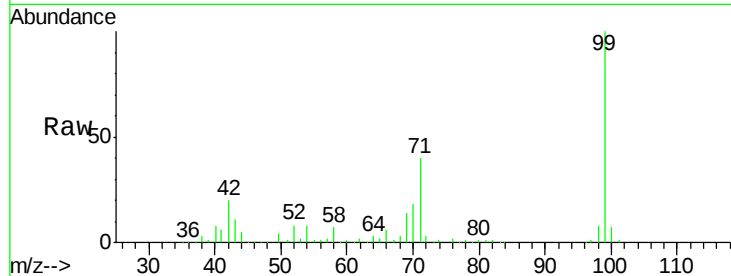
Tot Ion: 99 Resp: 408003

Ion Ratio Lower Upper

99 100

42 20.3 14.1 21.1

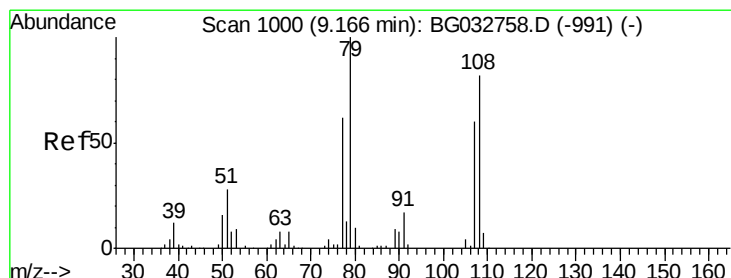
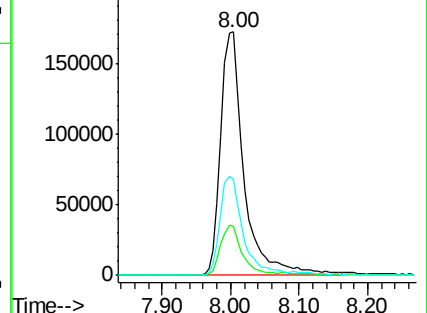
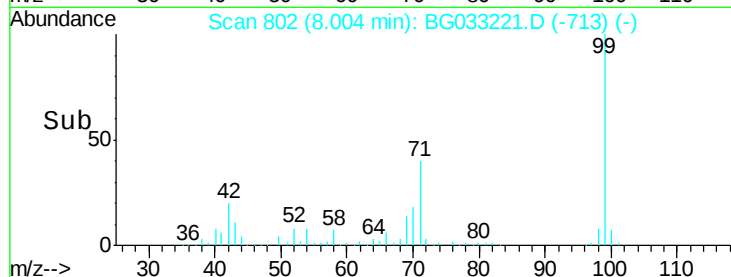
71 39.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.524 ng

RT: 9.23 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

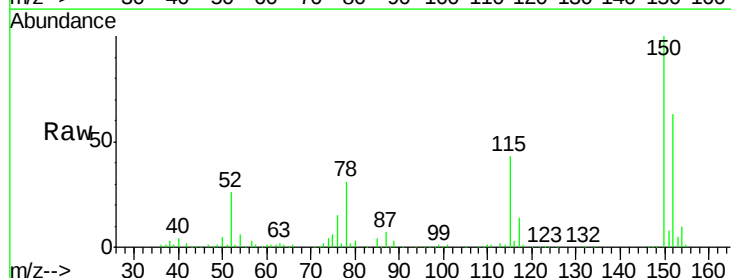
Tgt Ion: 79 Resp: 5625

Ion Ratio Lower Upper

79 100

108 19.2 57.2 85.8#

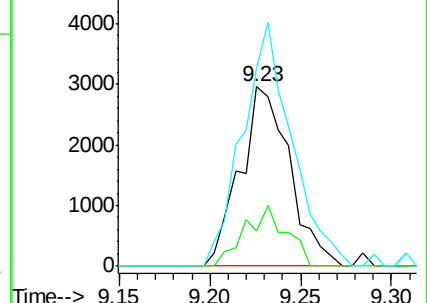
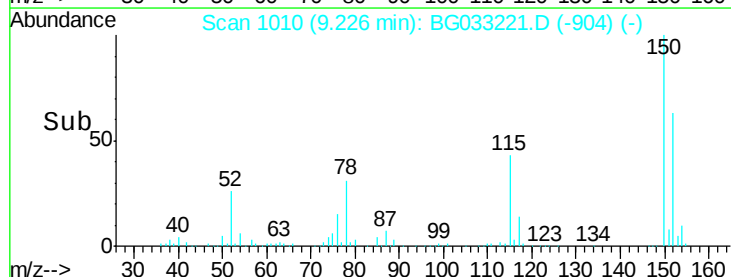
77 110.6 46.1 69.1#

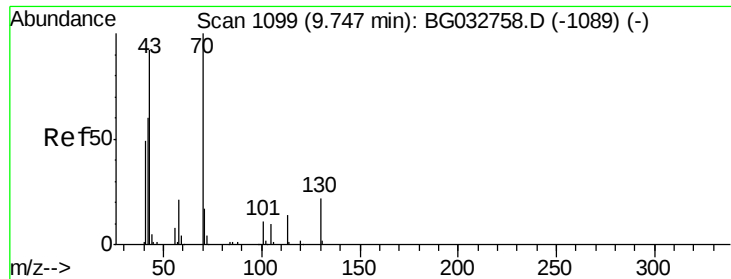


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

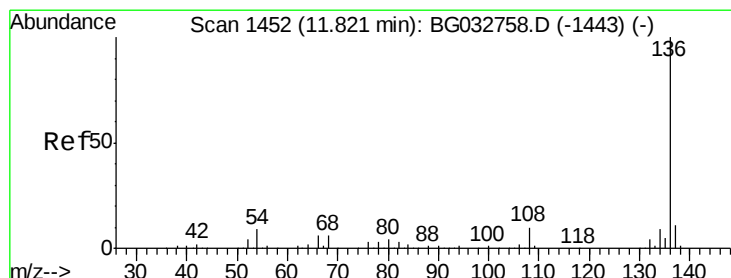
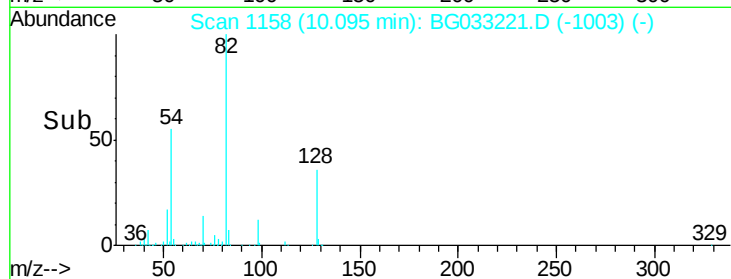
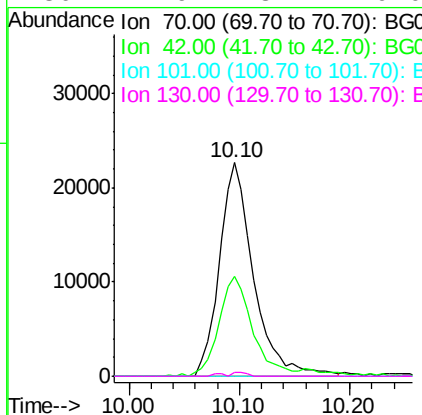
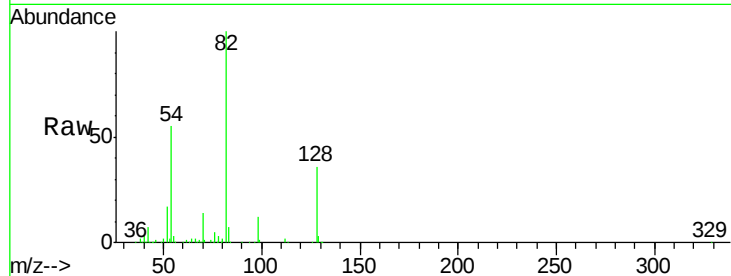




#19
n-Nitroso-di-n-propylamine
Concen: 22.758 ng
RT: 10.10 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

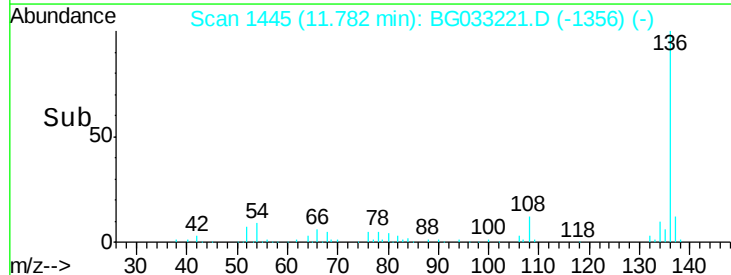
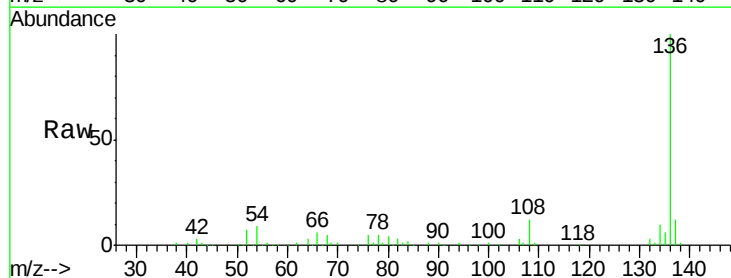
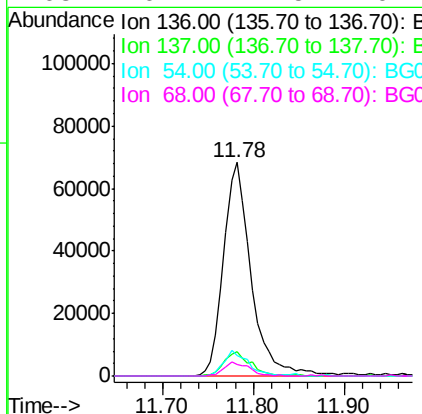
Instrument :
BNA_G
ClientSampleId :
1503-07-OILY-SOIL

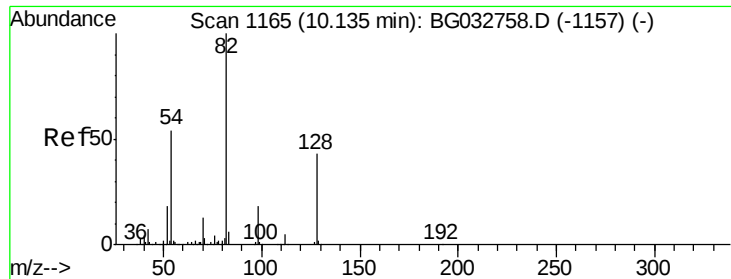
Tot Ion: 70 Resp: 48705
Ion Ratio Lower Upper
70 100
42 46.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Tgt Ion: 136 Resp: 144982
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 9.4 10.3 15.5#
68 6.2 4.5 6.7





#23

Nitrobenzene-d5

Concen: 158.394 ng

RT: 10.10 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Instrument :

BNA_G

ClientSampleId :

1503-07-OILY-SOIL

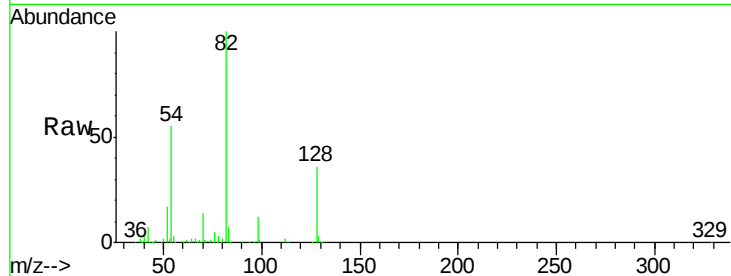
Tot Ion: 82 Resp: 351163

Ion Ratio Lower Upper

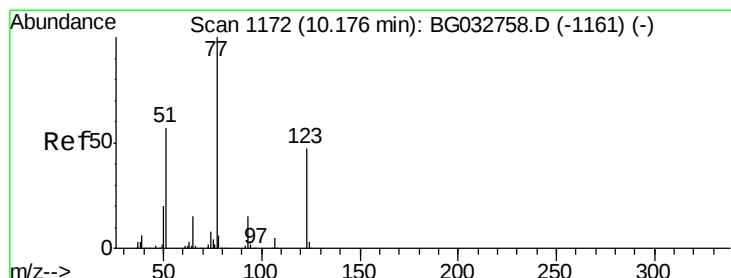
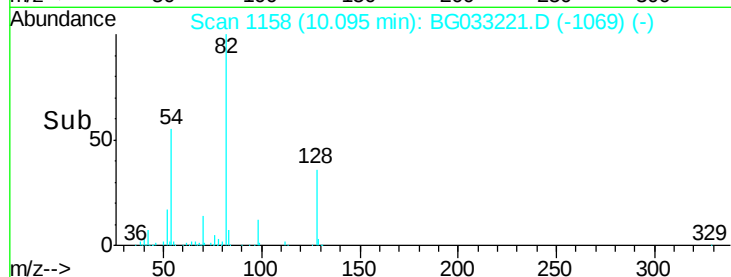
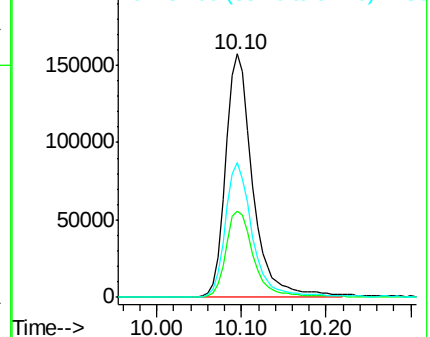
82 100

128 35.6 29.7 44.5

54 55.5 43.1 64.7



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: 6.775 ng

RT: 10.10 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

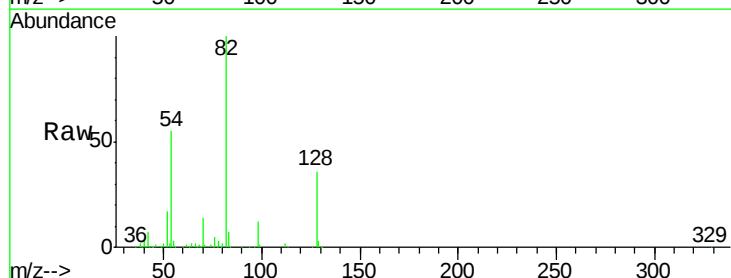
Tgt Ion: 77 Resp: 1052

Ion Ratio Lower Upper

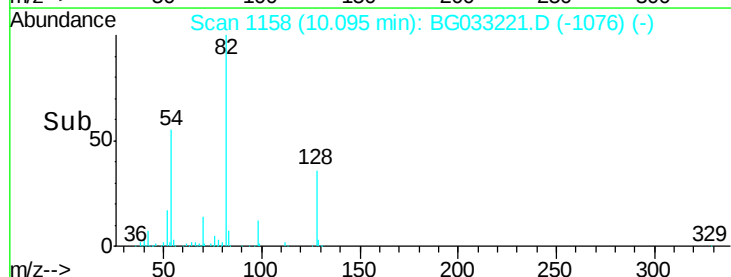
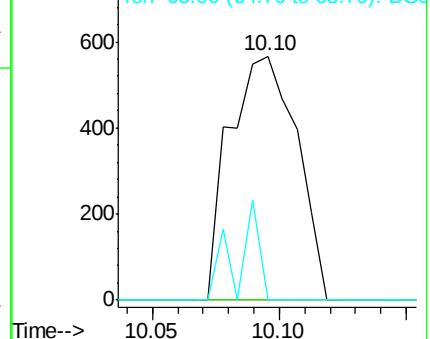
77 100

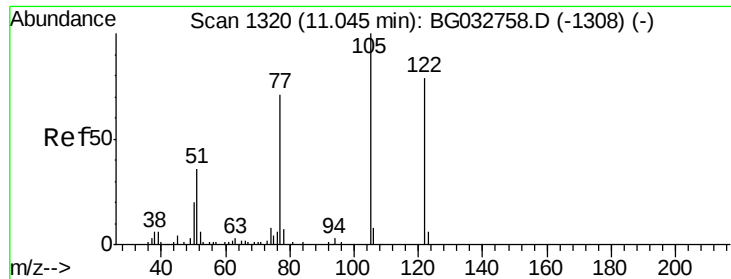
123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



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

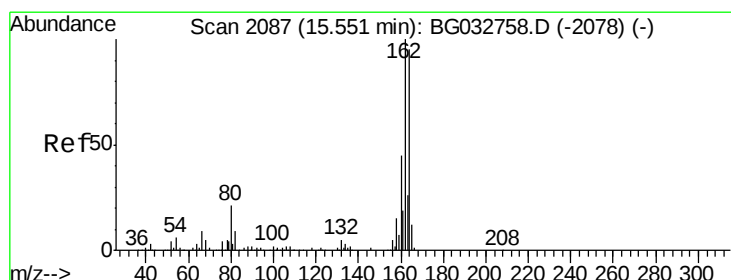
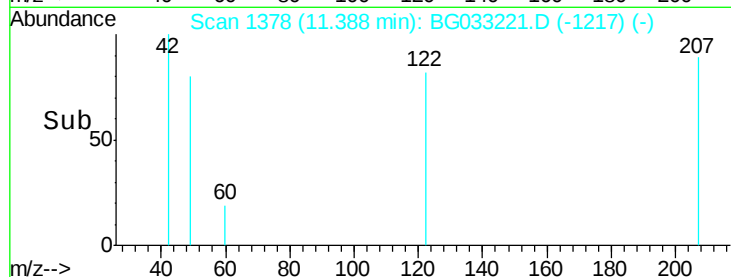
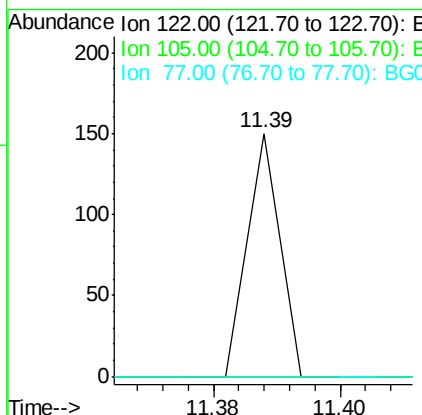
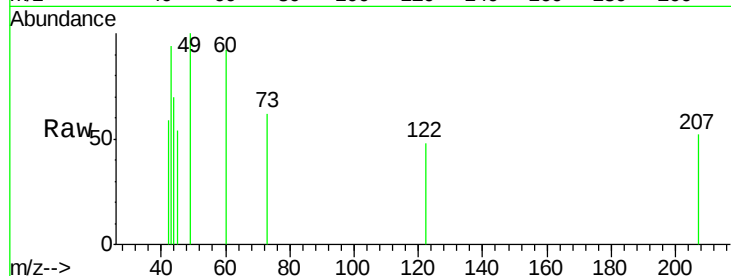




#32
Benzoic acid
Concen: 5.862 ng
RT: 11.39 min Scan# 1378
Delta R.T. 0.42 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

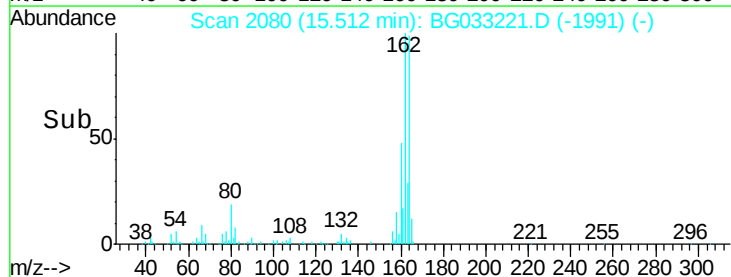
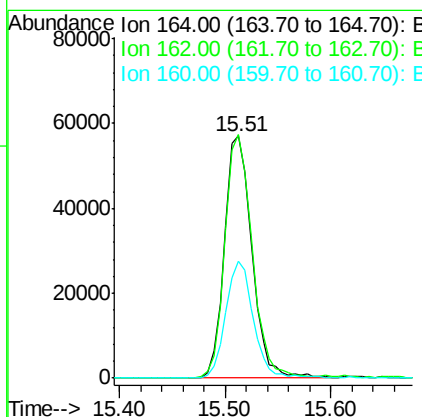
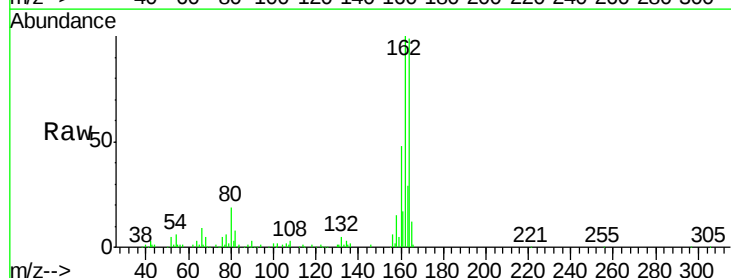
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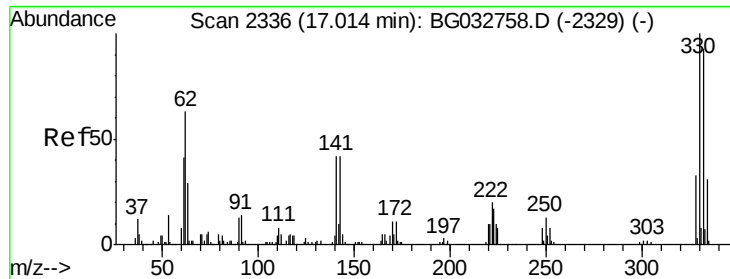
Tot Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Tgt Ion:164 Resp: 102692
Ion Ratio Lower Upper
164 100
162 100.7 78.8 118.2
160 48.6 35.4 53.0

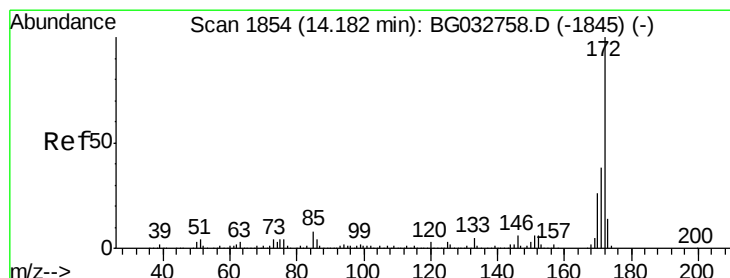
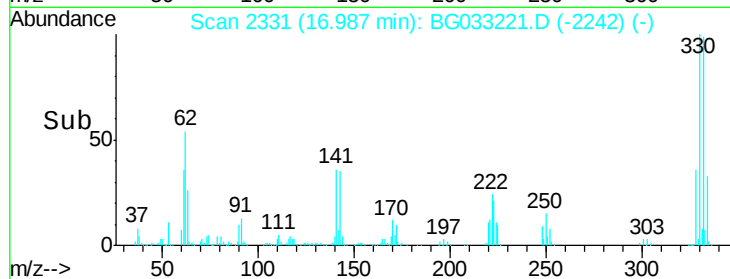
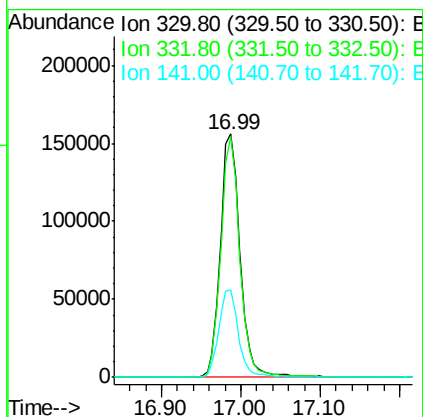
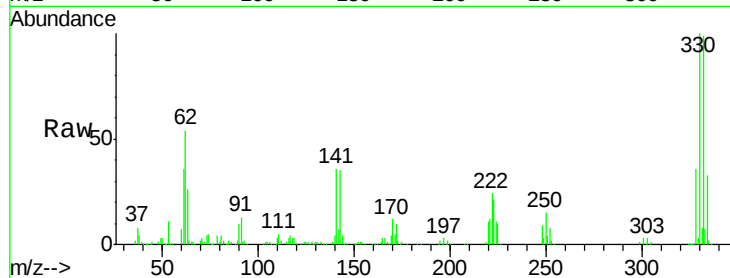




#41
 2,4,6-Tribromophenol
 Concen: 250.182 ng
 RT: 16.99 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BG033221.D
 Acq: 17 Mar 2018 6:52

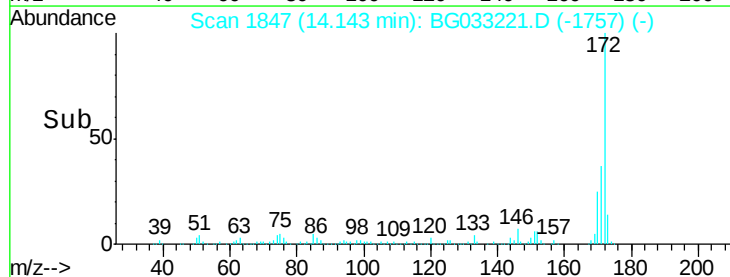
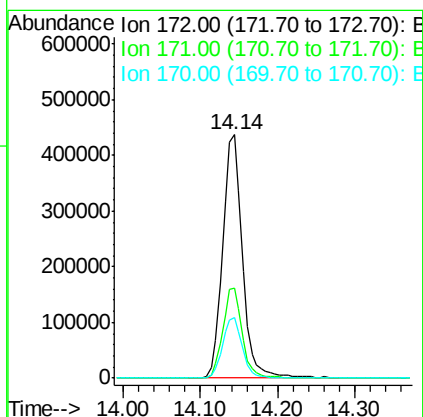
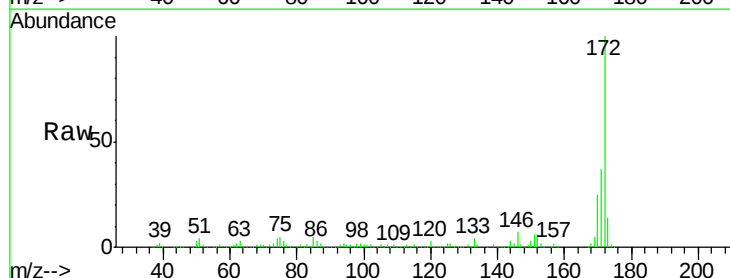
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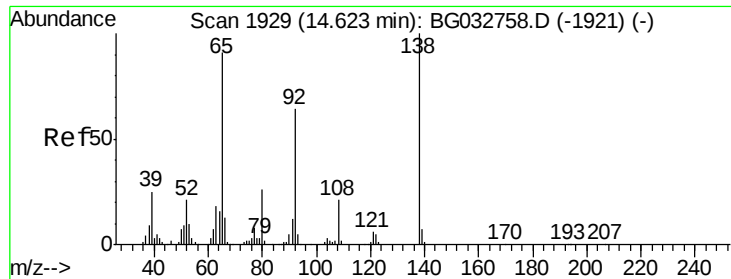
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	36.0	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 109.531 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG033221.D
 Acq: 17 Mar 2018 6:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.7	19.5	29.3

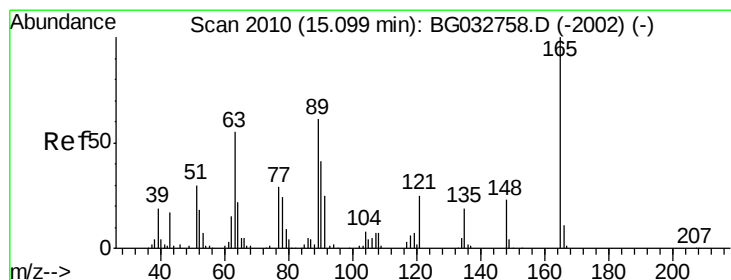
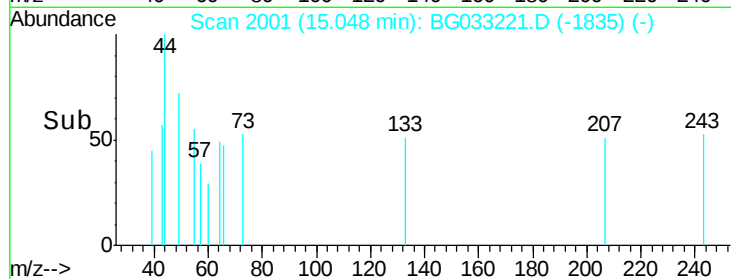
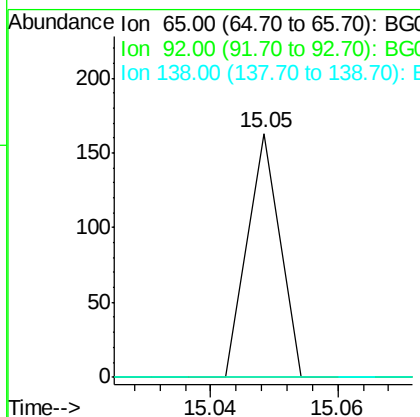
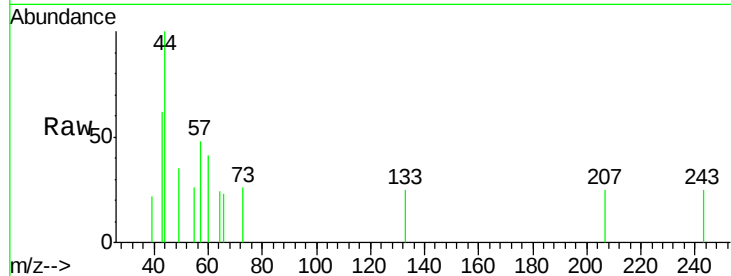




#47
2-Nitroaniline
Concen: 9.863 ng
RT: 15.05 min Scan# 2001
Delta R.T. 0.45 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

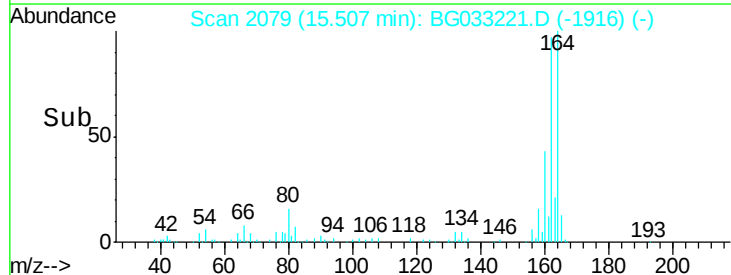
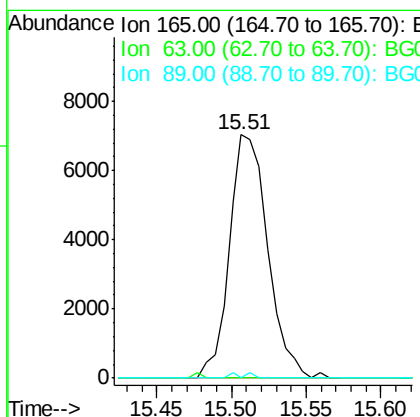
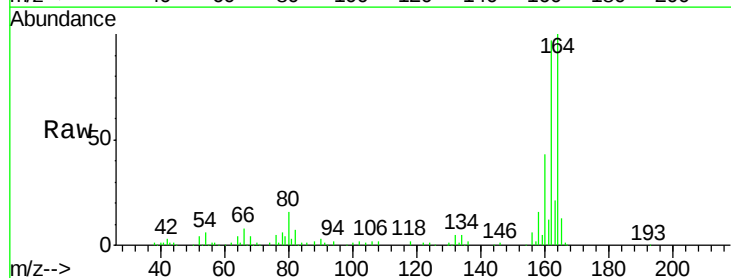
Instrument :
BNA_G
ClientSampleId :
1503-07-OILY-SOIL

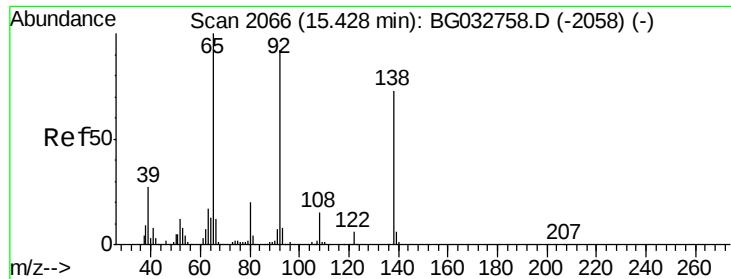
Tot Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.015 ng
RT: 15.51 min Scan# 2079
Delta R.T. 0.43 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Tgt Ion:165 Resp: 12609
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.574 ng

RT: 15.87 min Scan# 2141

Delta R.T. 0.46 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Instrument :

BNA_G

ClientSampleId :

1503-07-OILY-SOIL

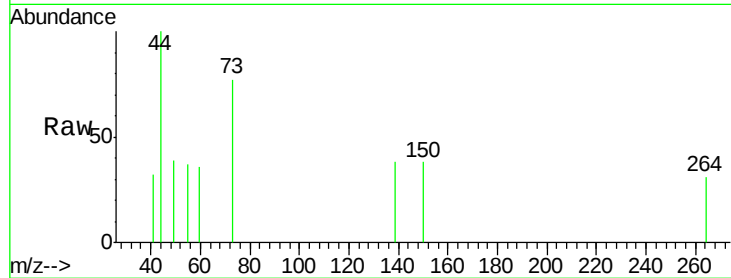
Tot Ion:138 Resp: 65

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

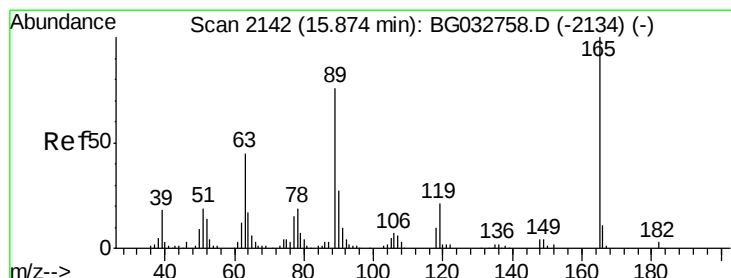
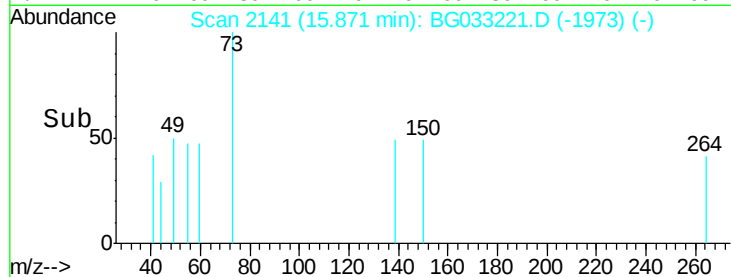
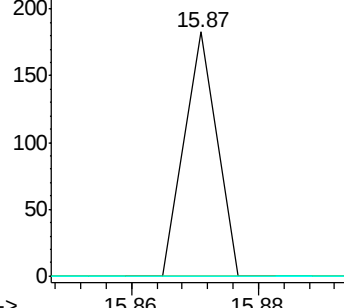
92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.210 ng

RT: 15.51 min Scan# 2079

Delta R.T. -0.35 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Tgt Ion:165 Resp: 12609

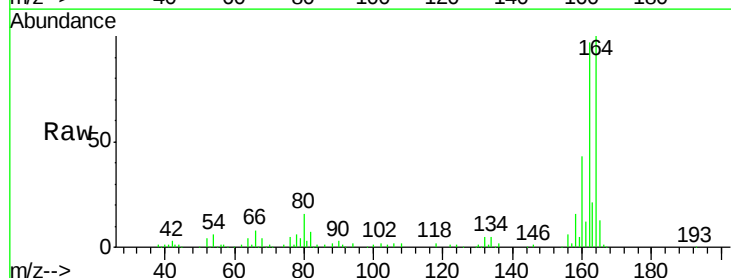
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

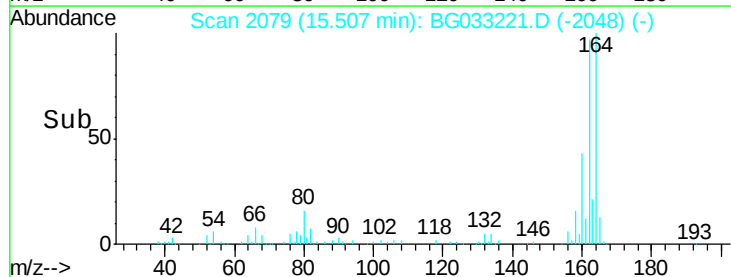
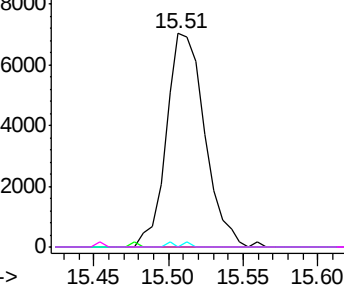


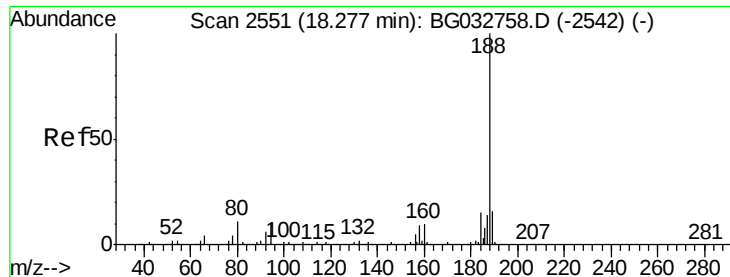
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

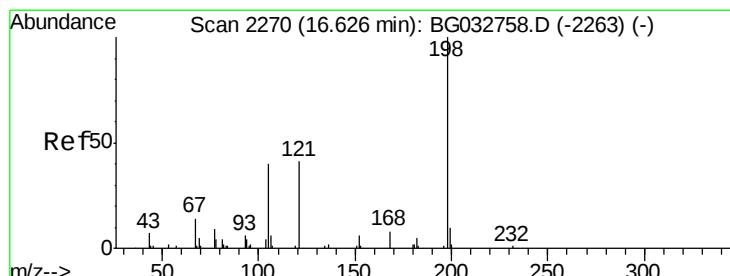
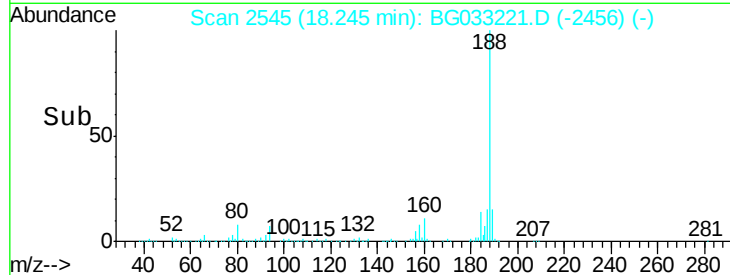
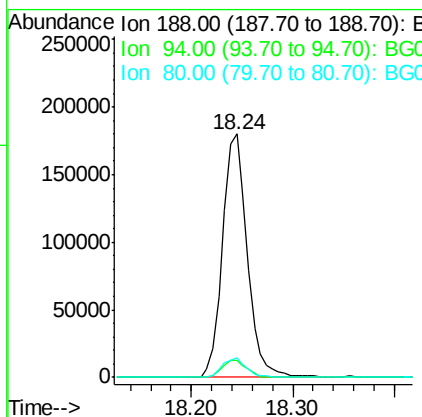
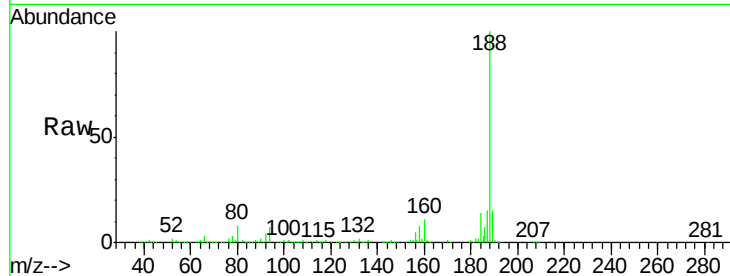




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.00 min
 Lab File: BG033221.D
 Acq: 17 Mar 2018 6:52

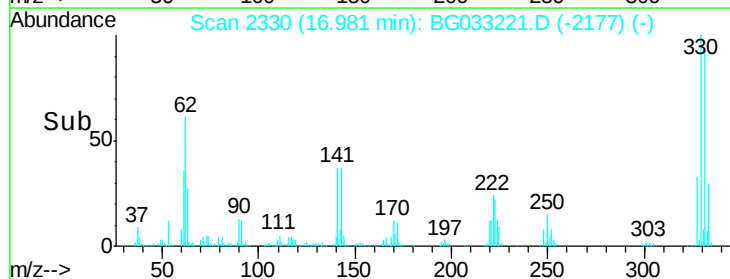
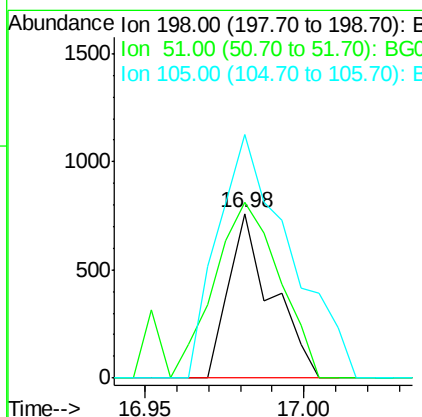
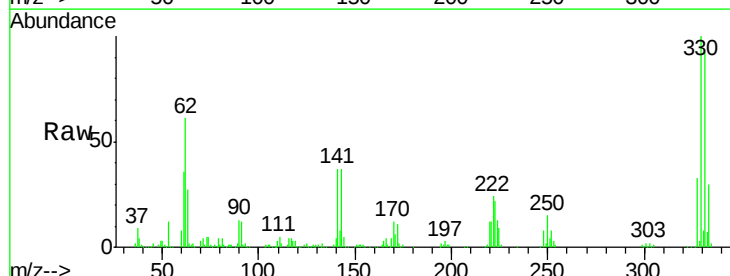
Instrument :
 BNA_G
 ClientSampleId :
 1503-07-OILY-SOIL

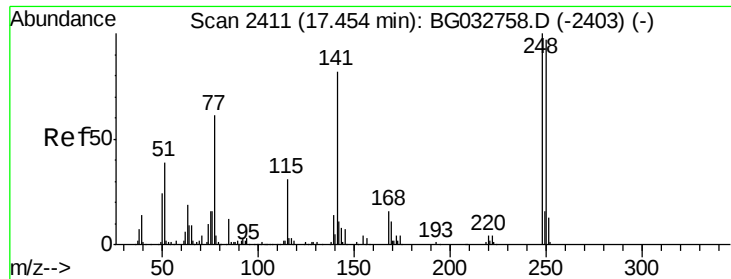
Tot Ion:188 Resp: 305351
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.2 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.946 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. 0.37 min
 Lab File: BG033221.D
 Acq: 17 Mar 2018 6:52

Tgt Ion:198 Resp: 718
 Ion Ratio Lower Upper
 198 100
 51 106.7 30.6 70.6#
 105 148.2 23.8 63.8#

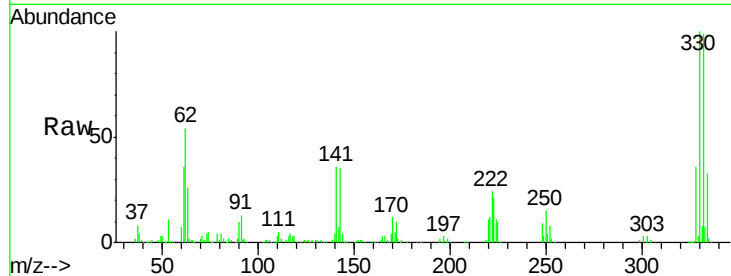




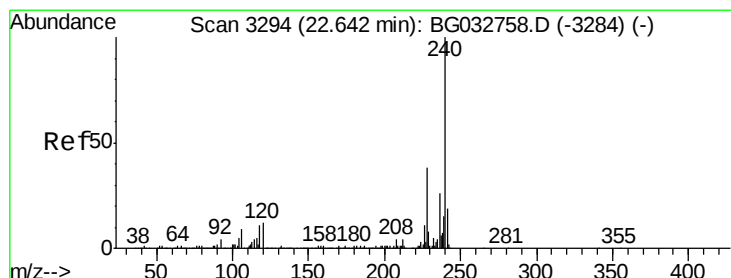
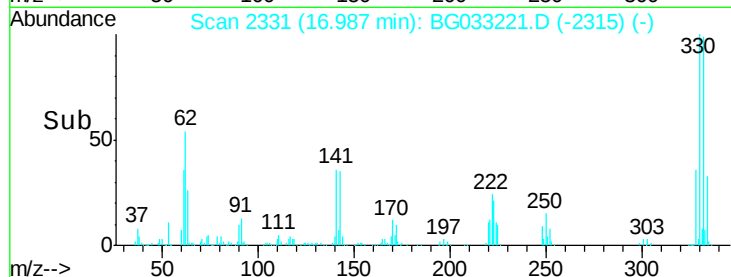
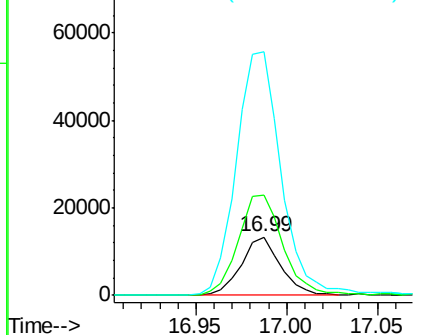
#66
4-Bromophenyl-phenylether
Concen: 6.265 ng
RT: 16.99 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Instrument :
BNA_G
ClientSampleId :
1503-07-OILY-SOIL

Tot Ion:248 Resp: 20229
Ion Ratio Lower Upper
248 100
250 171.9 77.1 115.7#
141 417.4 50.8 76.2#

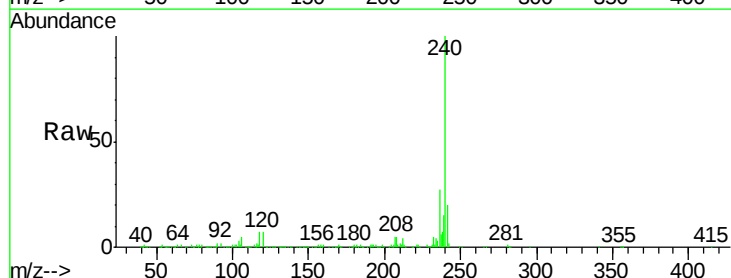


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

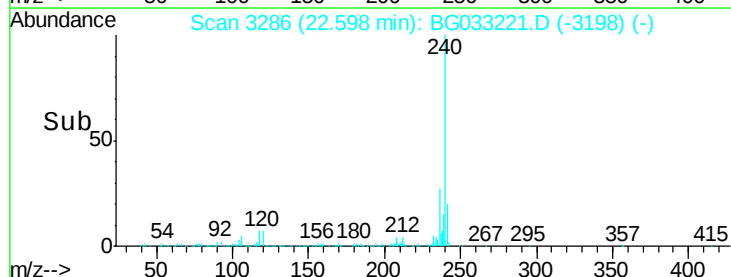
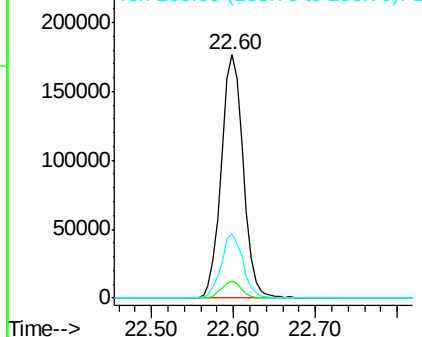


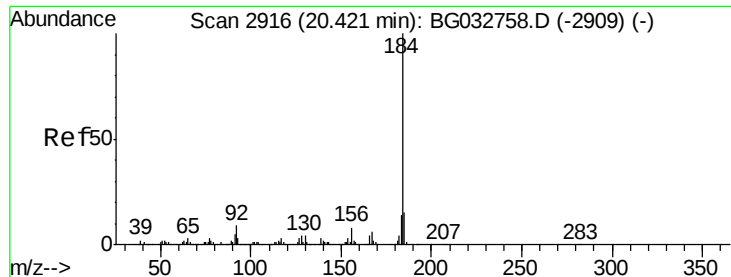
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BG033221.D
Acq: 17 Mar 2018 6:52

Tgt Ion:240 Resp: 331516
Ion Ratio Lower Upper
240 100
120 7.0 6.8 10.2
236 26.6 20.9 31.3



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





#76

Benzidine

Concen: 2.519 ng

RT: 20.77 min Scan# 2974

Delta R.T. 0.37 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Instrument :

BNA_G

ClientSampleId :

1503-07-OILY-SOIL

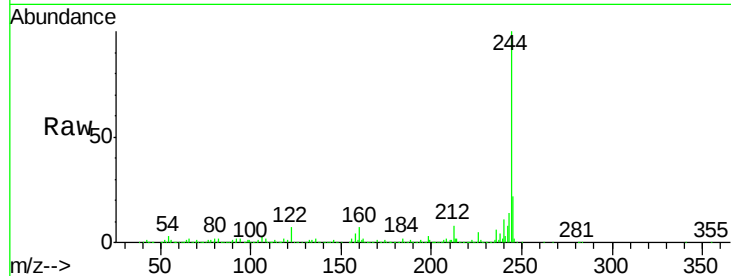
Tot Ion:184 Resp: 28469

Ion Ratio Lower Upper

184 100

185 21.0 11.1 16.7#

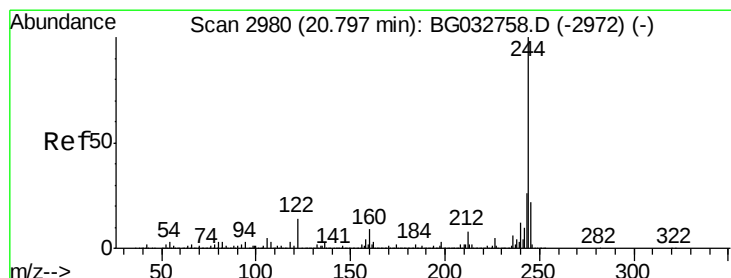
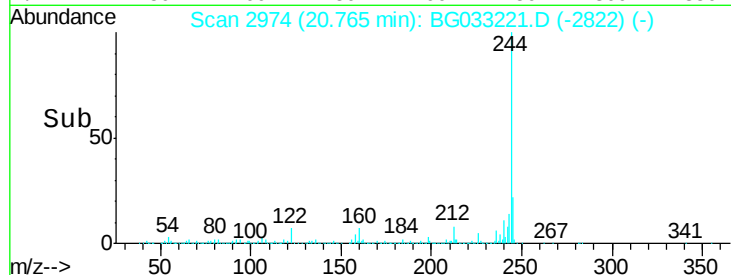
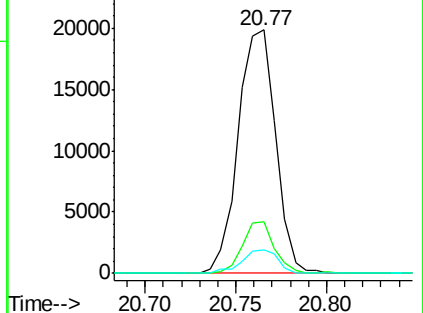
183 9.6 10.6 16.0#



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

Terphenyl-d14

Concen: 113.310 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

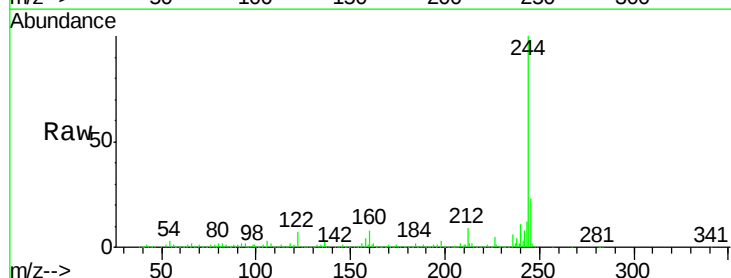
Tgt Ion:244 Resp: 1671943

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

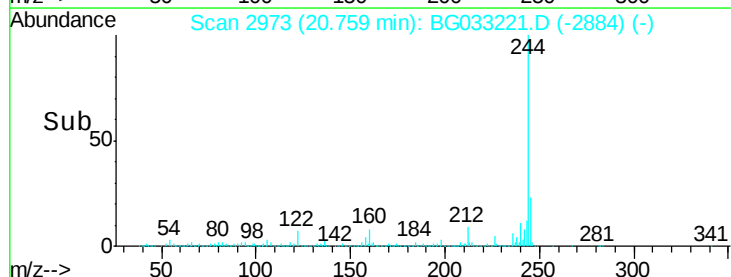
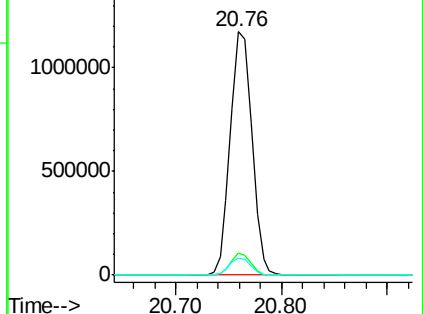
122 7.2 7.0 10.4

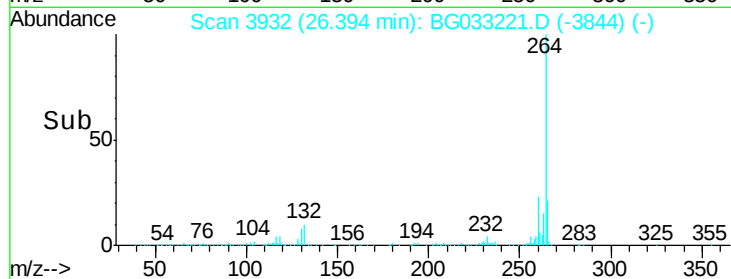
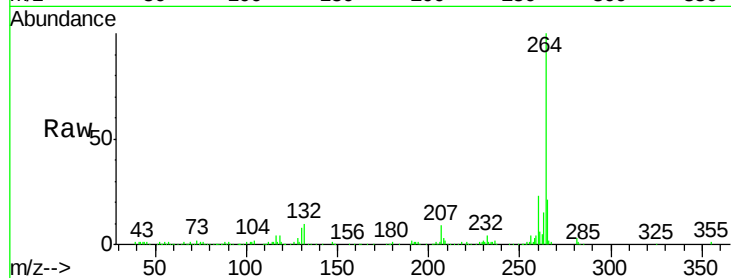
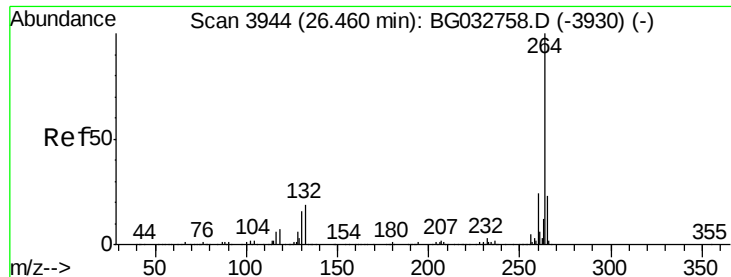


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.39 min Scan# 3932

Delta R.T. -0.02 min

Lab File: BG033221.D

Acq: 17 Mar 2018 6:52

Instrument :

BNA_G

ClientSampleId :

1503-07-OILY-SOIL

Tot Ion:264 Resp: 295534

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 21.4 17.7 26.5

