

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033222.D
 Acq On : 17 Mar 2018 7:30
 Operator : SJ/JU
 Sample : J1931-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1499-02-1508-OILY-SOIL

Quant Time: Mar 19 02:25:18 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	8.89	152	36747	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	144657	20.00	ng	-0.01
38) Acenaphthene-d10	15.51	164	104208	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	303947	20.00	ng	0.00
75) Chrysene-d12	22.59	240	318562	20.00	ng	-0.01
86) Perylene-d12	26.40	264	342937	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	336739	146.61	ng	0.00
7) Phenol-d6	8.00	99	446490	139.46	ng	-0.01
23) Nitrobenzene-d5	10.10	82	360470	162.67	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	299466	273.31	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	818520	113.28	ng	0.00
78) Terphenyl-d14	20.76	244	1682805	118.68	ng	0.00

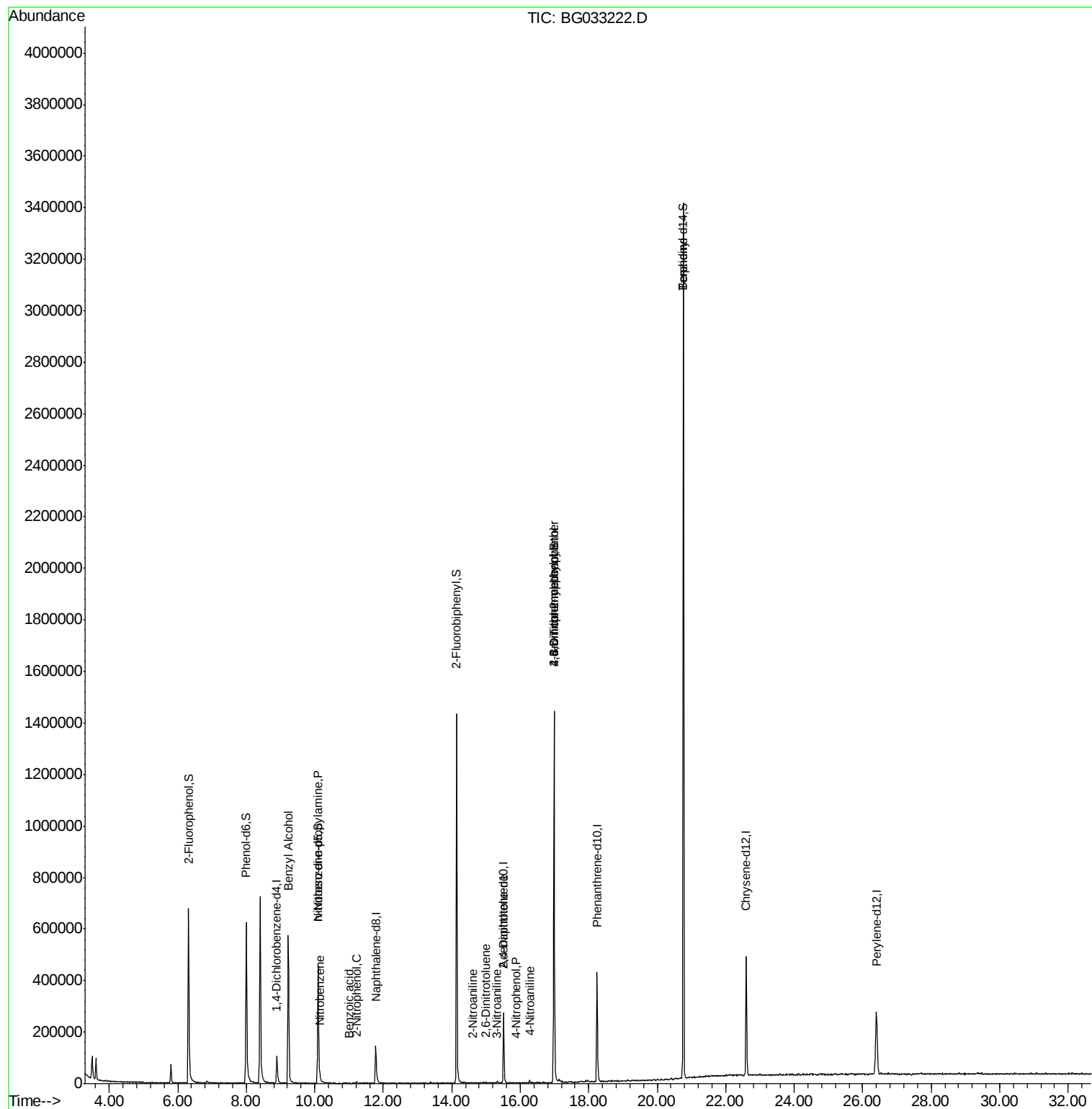
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	6163	2.618	ng	# 61
19) n-Nitroso-di-n-propylamine	10.09	70	48178	21.316	ng	# 78
24) Nitrobenzene	10.14	77	65	6.405	ng	# 9
26) 2-Nitrophenol	11.22	139	622	6.309	ng	# 29
32) Benzoic acid	11.00	122	54	5.863	ng	# 1
47) 2-Nitroaniline	14.60	65	57	9.862	ng	# 9
50) 2,6-Dinitrotoluene	15.00	165	959	9.432	ng	# 18
52) 3-Nitroaniline	15.31	138	68	7.575	ng	# 1
55) 4-Nitrophenol	15.88	139	57	7.116	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14154	14.971	ng	# 19
61) 4-Nitroaniline	16.29	138	54	5.325	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.98	198	927	6.240	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	22049	6.860	ng	# 1
76) Benzidine	20.76	184	27755	2.556	ng	# 92

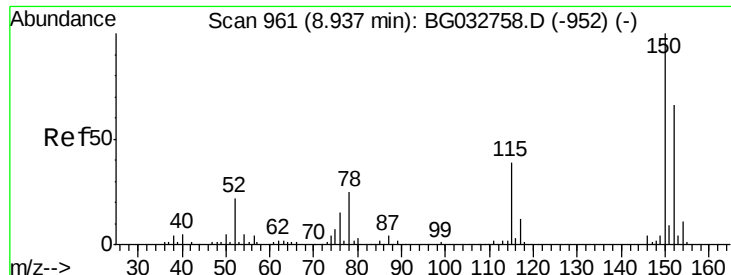
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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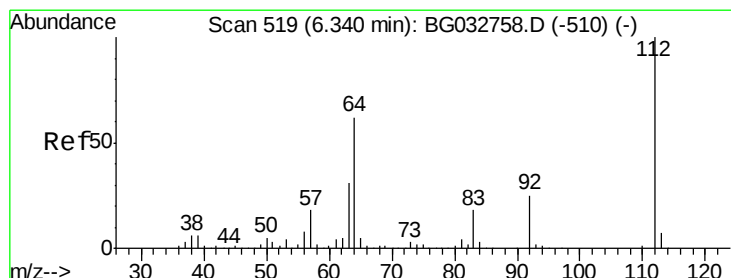
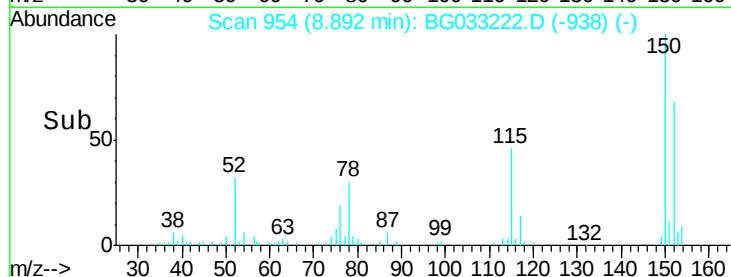
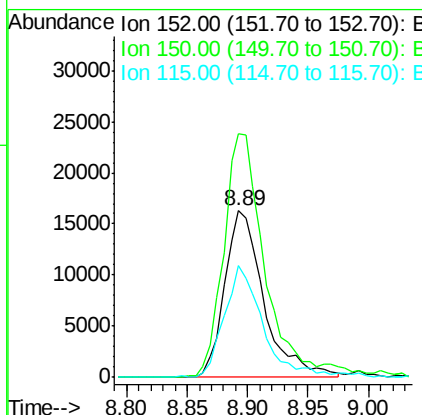
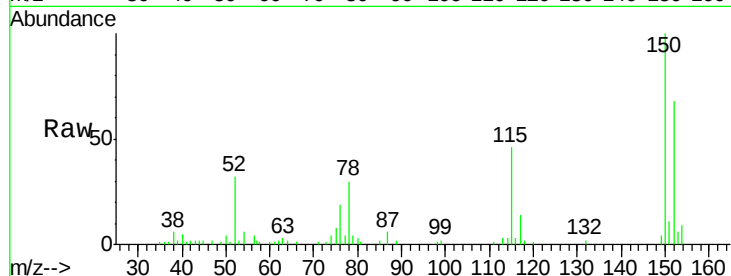


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Instrument :
BNA_G
ClientSampleId :
1499-02-1508-OILY-SOIL

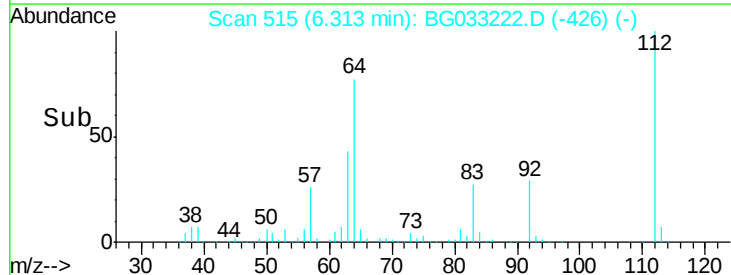
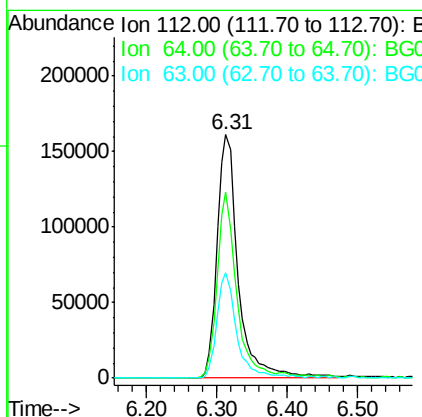
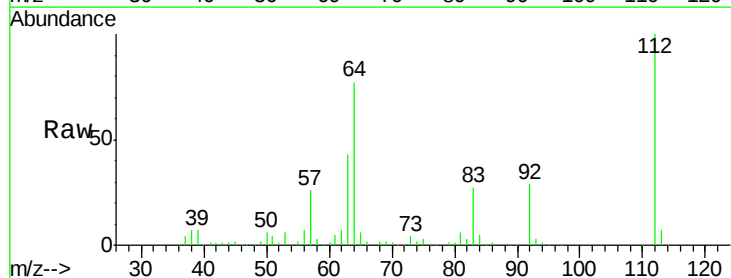
Tot Ion:152 Resp: 36747
Ion Ratio Lower Upper
152 100
150 146.1 126.6 189.8
115 67.2 53.0 79.4

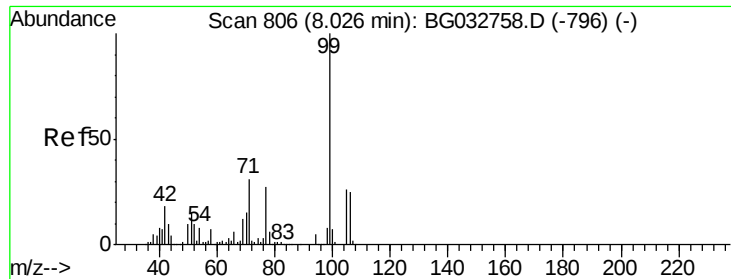


#5

2-Fluorophenol
Concen: 146.606 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Tgt Ion:112 Resp: 336739
Ion Ratio Lower Upper
112 100
64 76.6 56.3 84.5
63 43.2 30.1 45.1





#7

Phenol-d6

Concen: 139.460 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

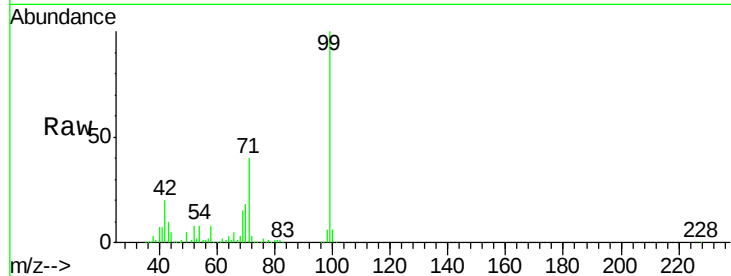
Tot Ion: 99 Resp: 446490

Ion Ratio Lower Upper

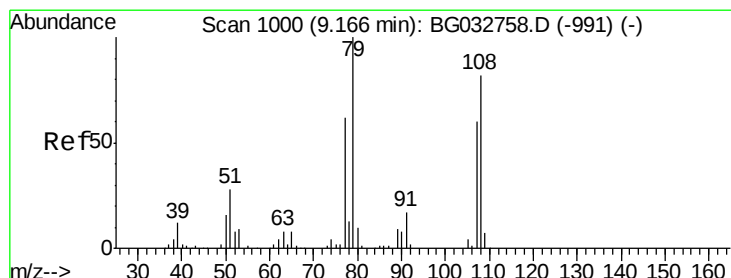
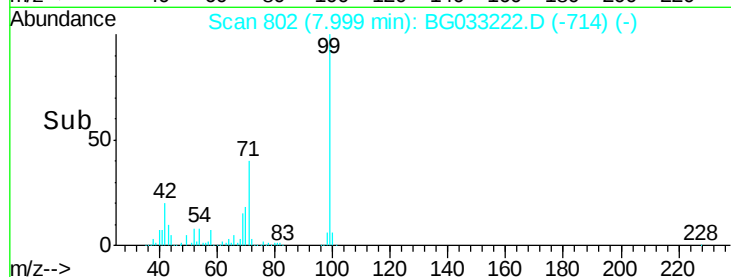
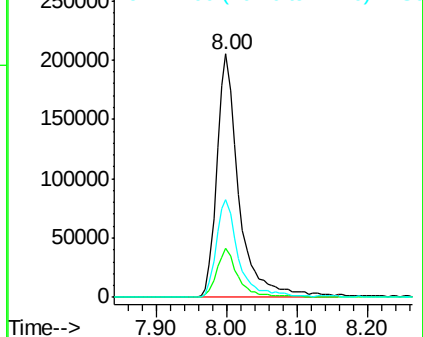
99 100

42 20.1 14.1 21.1

71 40.0 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: 2.618 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.09 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

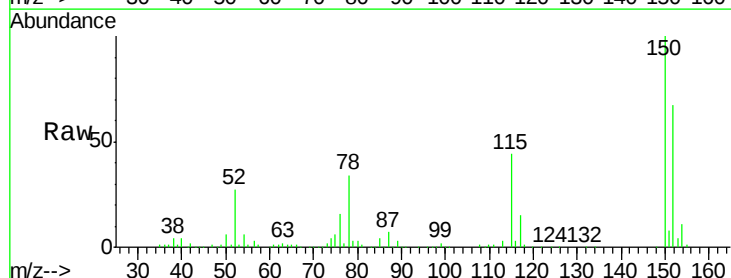
Tgt Ion: 79 Resp: 6163

Ion Ratio Lower Upper

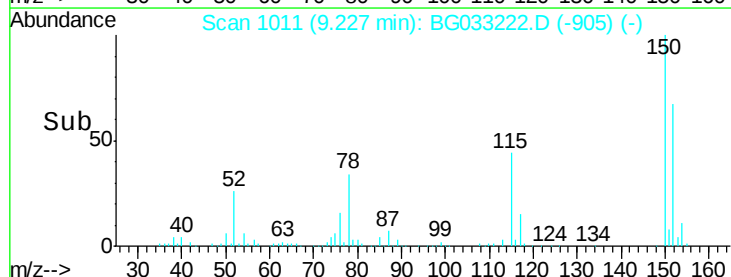
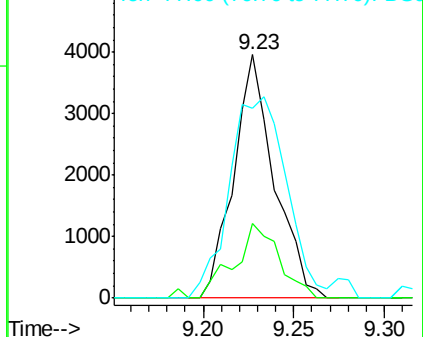
79 100

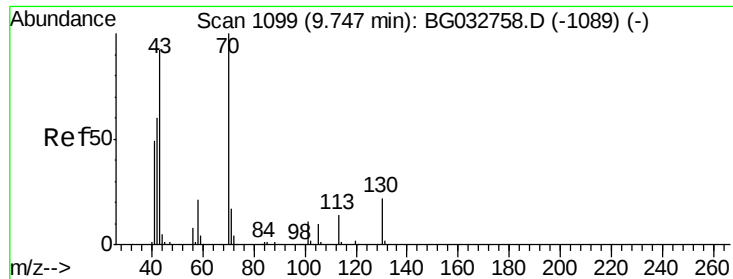
108 30.9 57.2 85.8#

77 77.8 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

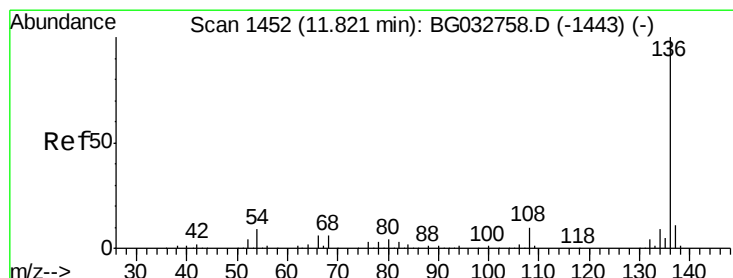
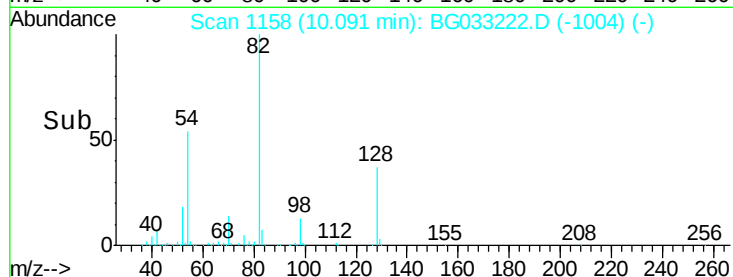
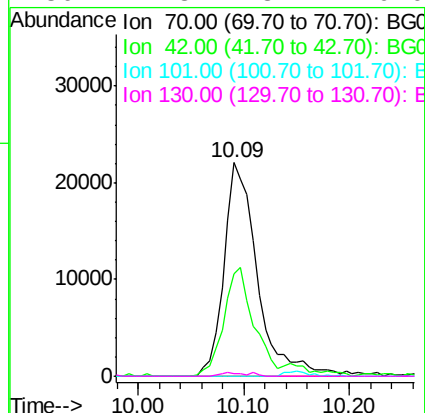
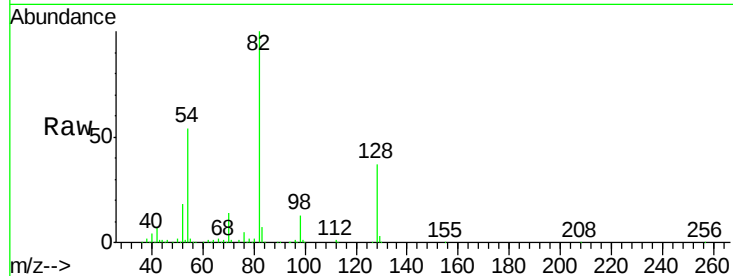




#19
n-Nitroso-di-n-propylamine
Concen: 21.316 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

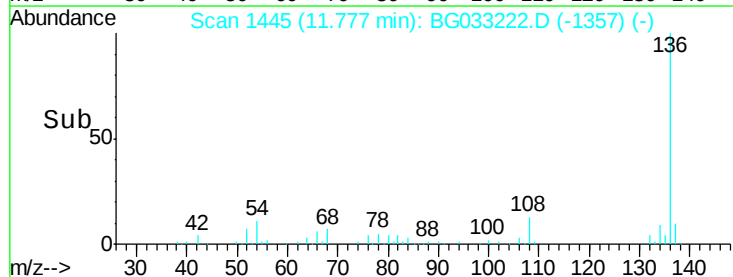
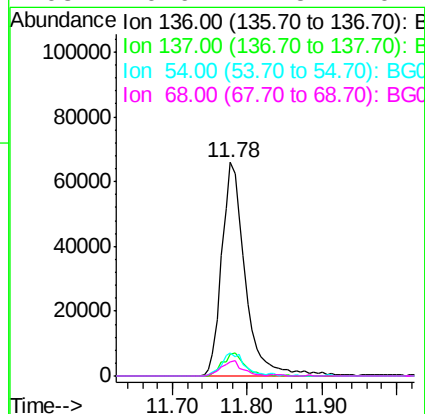
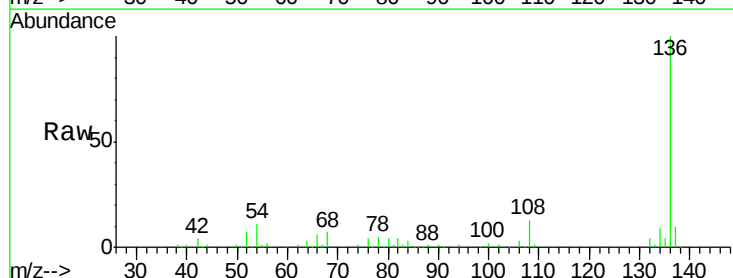
Instrument :
BNA_G
ClientSampleId :
1499-02-1508-OILY-SOIL

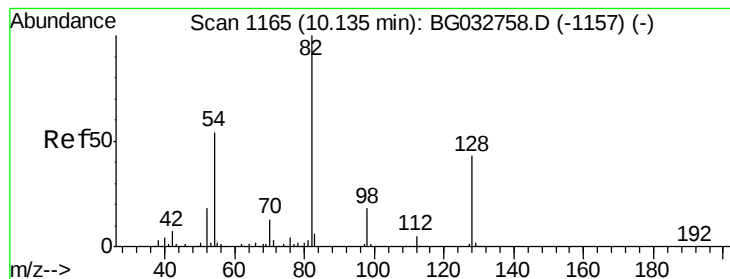
Tot Ion: 70 Resp: 48178
Ion Ratio Lower Upper
70 100
42 48.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Tgt Ion:136 Resp: 144657
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 11.0 10.3 15.5
68 6.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 162.671 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

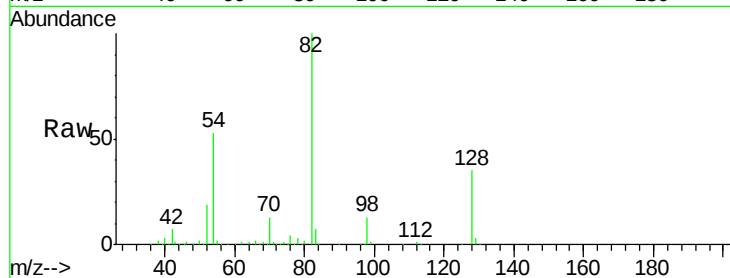
Tot Ion: 82 Resp: 360470

Ion Ratio Lower Upper

82 100

128 34.8 29.7 44.5

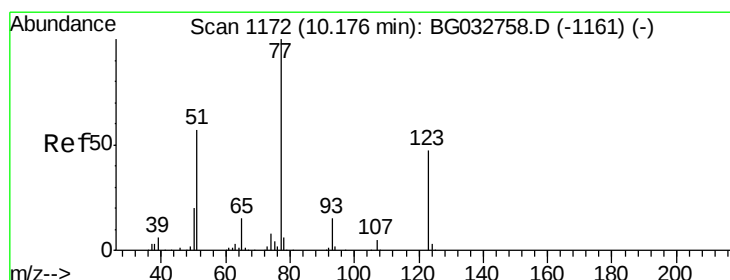
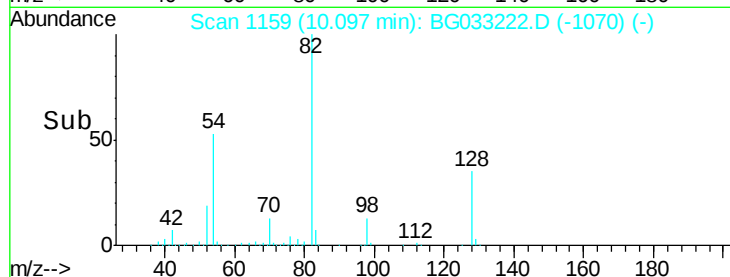
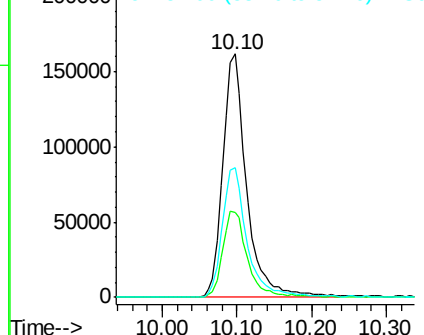
54 53.3 43.1 64.7



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: 6.405 ng

RT: 10.14 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

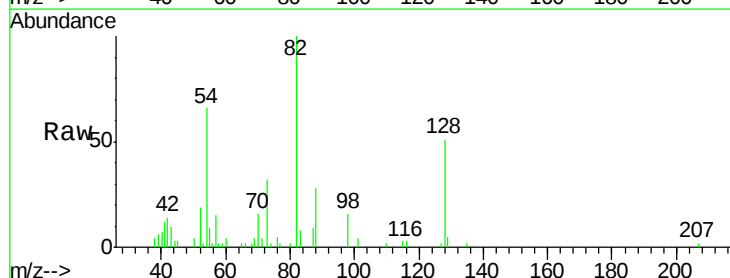
Tgt Ion: 77 Resp: 65

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

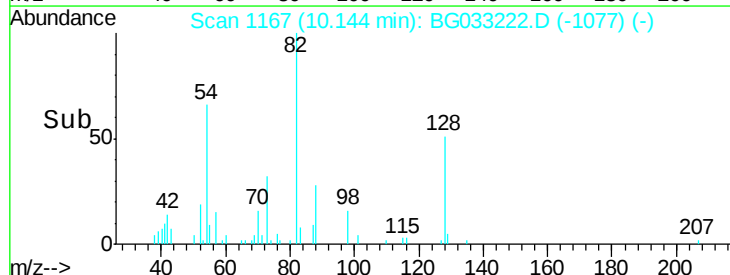
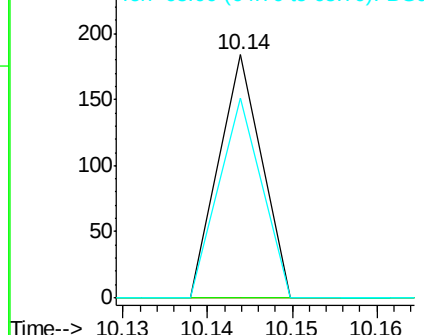
65 82.1 13.0 19.6#

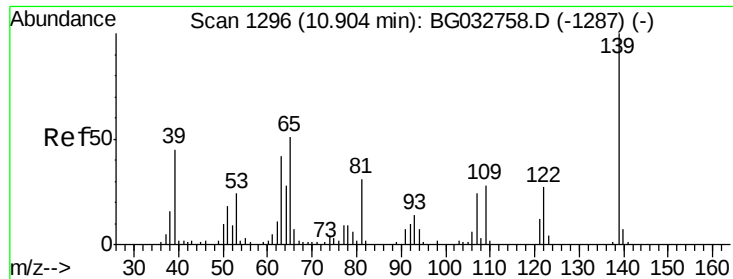


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

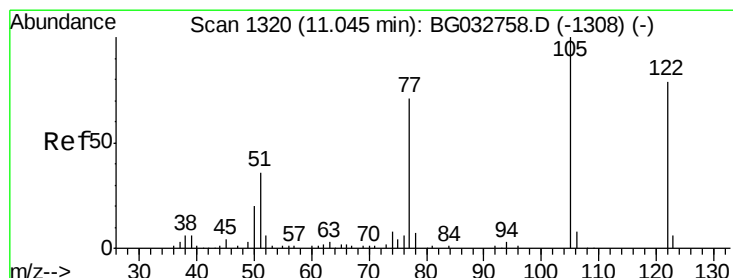
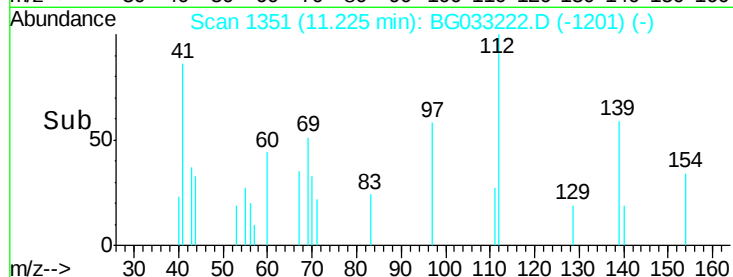
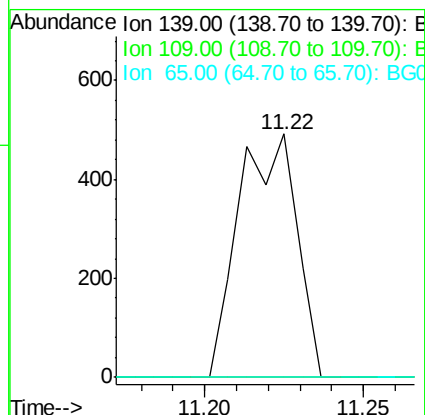
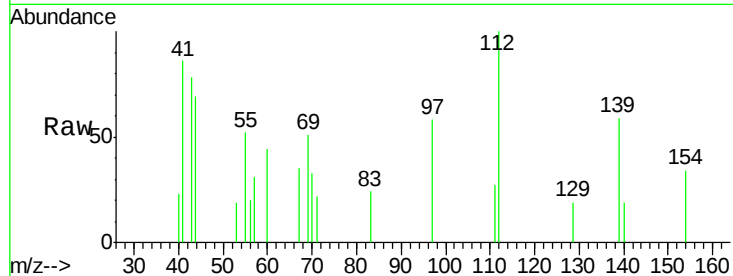




#26
2-Nitrophenol
Concen: 6.309 ng
RT: 11.22 min Scan# 1351
Delta R.T. 0.35 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

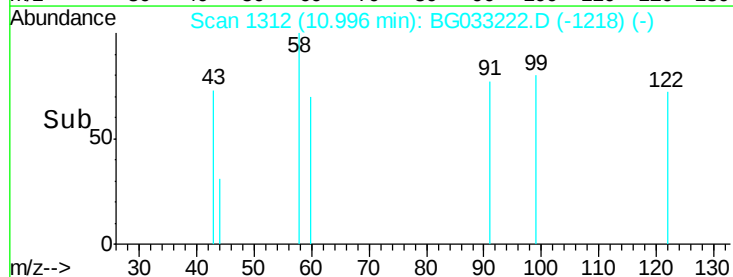
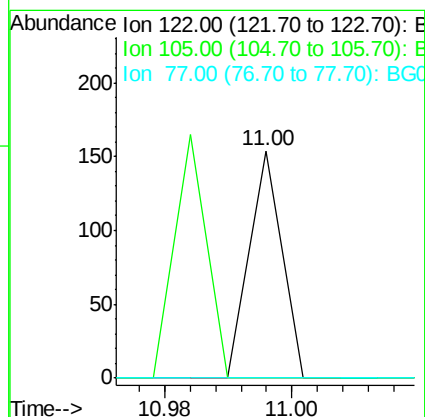
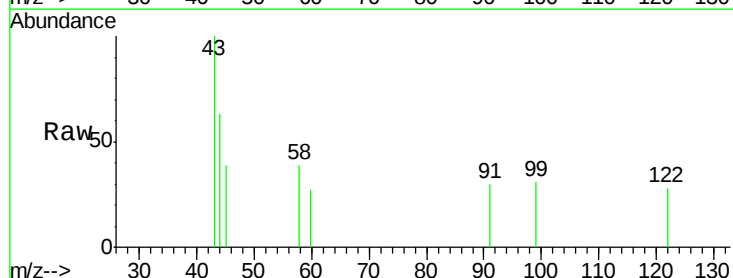
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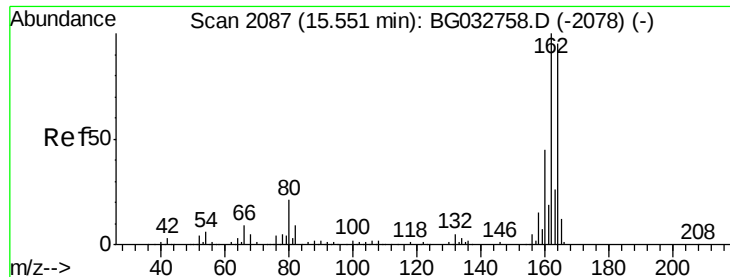
Tot Ion:139 Resp: 622
Ion Ratio Lower Upper
139 100
109 0.0 24.2 36.2#
65 0.0 47.4 71.0#



#32
Benzoic acid
Concen: 5.863 ng
RT: 11.00 min Scan# 1312
Delta R.T. 0.02 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Tgt Ion:122 Resp: 54
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# 2081

Delta R.T. -0.00 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

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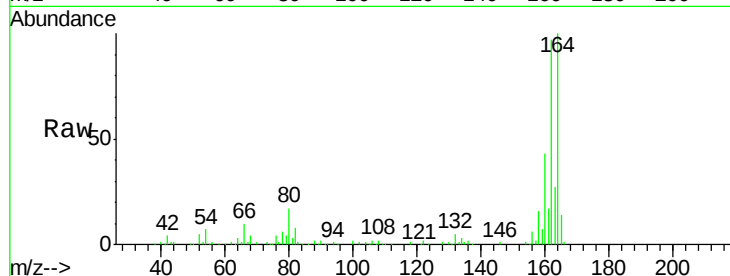
Tot Ion:164 Resp: 104208

Ion Ratio Lower Upper

164 100

162 97.1 78.8 118.2

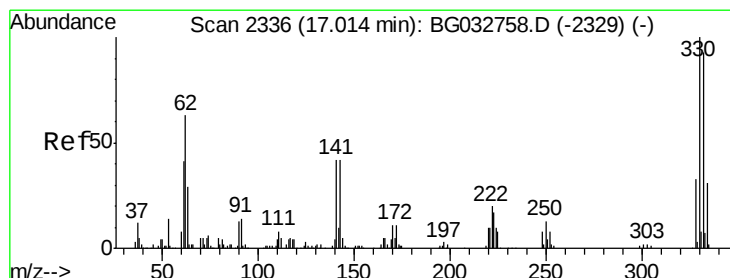
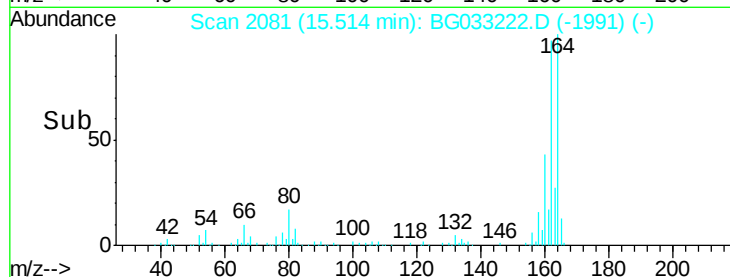
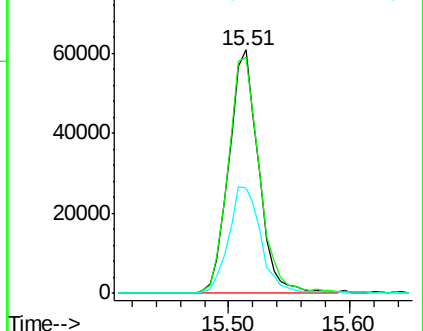
160 43.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 273.307 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

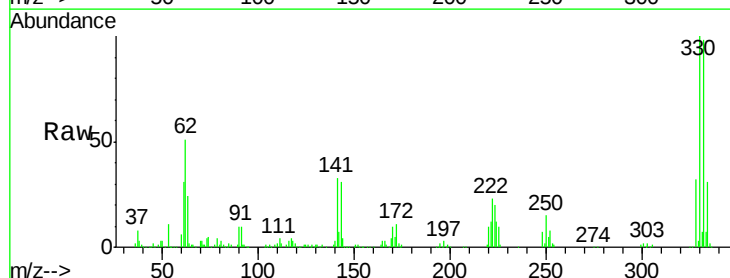
Tgt Ion:330 Resp: 299466

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

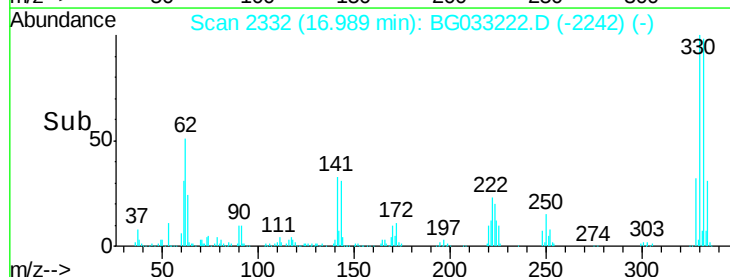
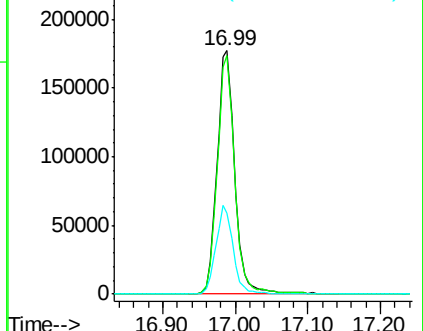
141 35.3 25.2 37.8

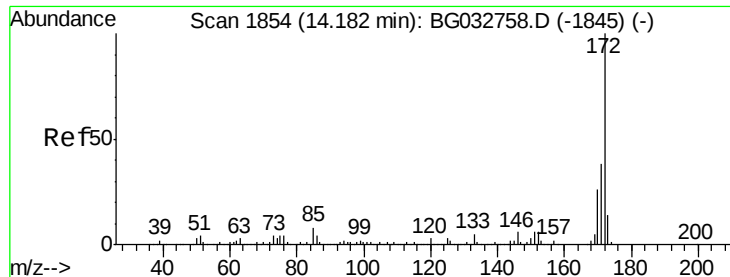


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

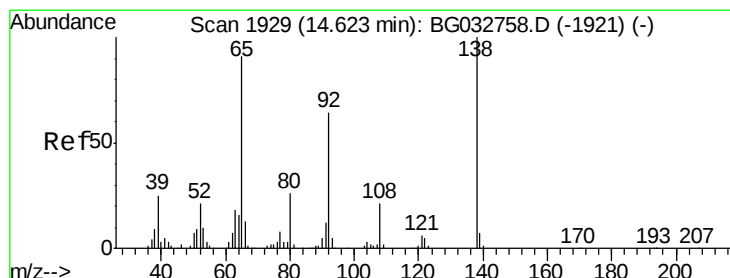
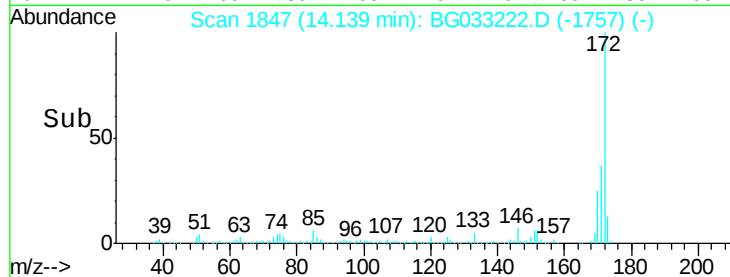
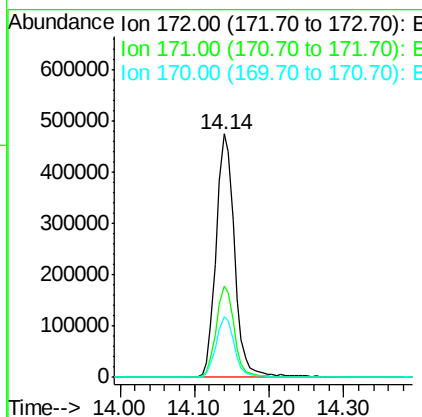
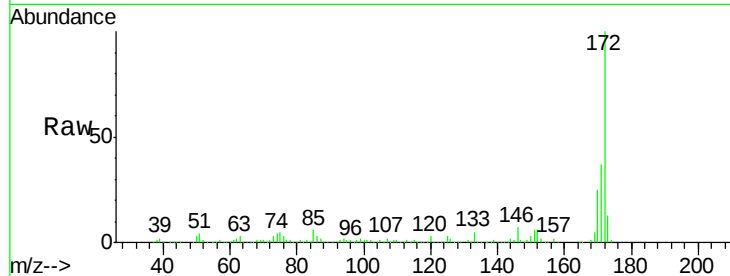




#44
 2-Fluorobiphenyl
 Concen: 113.284 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033222.D
 Acq: 17 Mar 2018 7:30

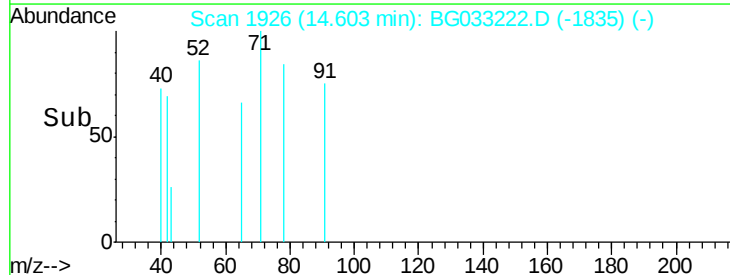
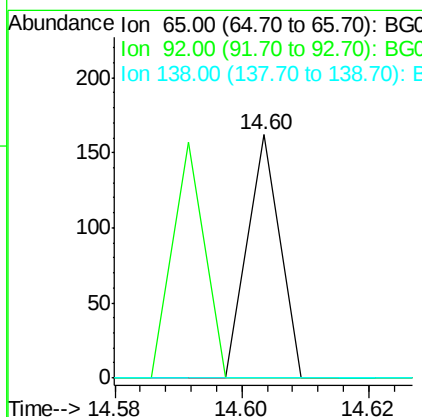
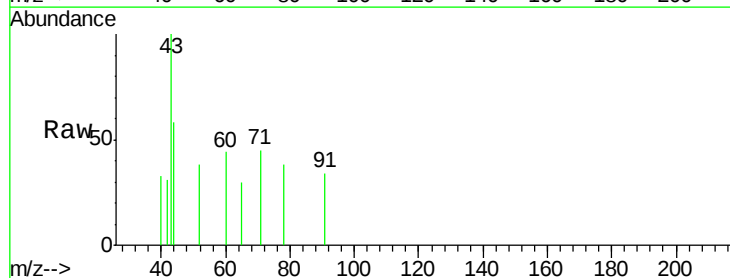
Instrument :
 BNA_G
 ClientSampleId :
 1499-02-1508-OILY-SOIL

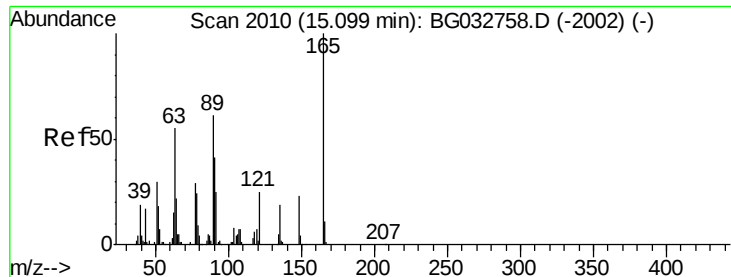
Tot Ion:172 Resp: 818520
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 25.1 19.5 29.3



#47
 2-Nitroaniline
 Concen: 9.862 ng
 RT: 14.60 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: BG033222.D
 Acq: 17 Mar 2018 7:30

Tgt 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: 9.432 ng

RT: 15.00 min Scan# 1993

Delta R.T. -0.08 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

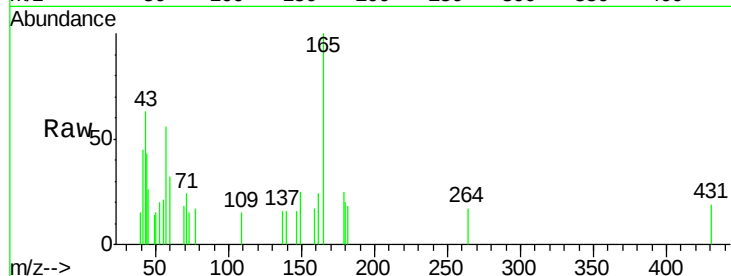
Tot Ion:165 Resp: 959

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

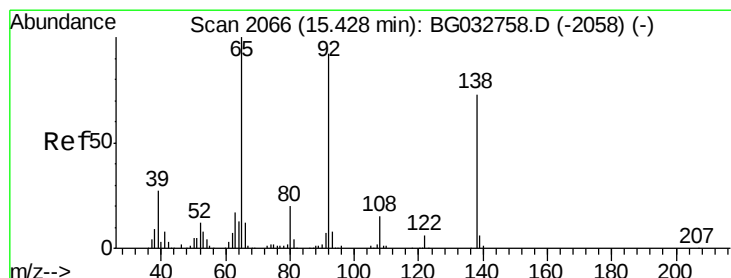
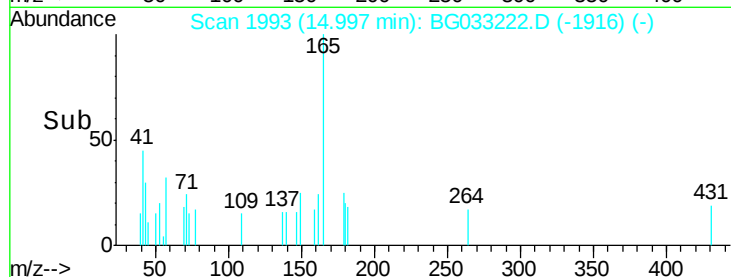
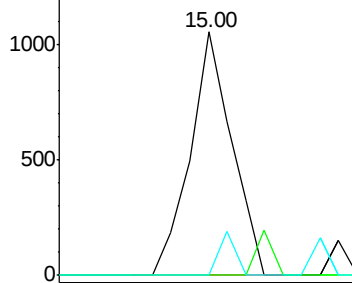
89 0.0 49.2 73.8#



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



#52

3-Nitroaniline

Concen: 7.575 ng

RT: 15.31 min Scan# 2047

Delta R.T. -0.10 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

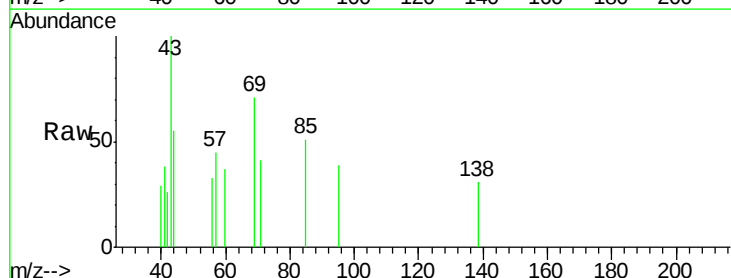
Tgt Ion:138 Resp: 68

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

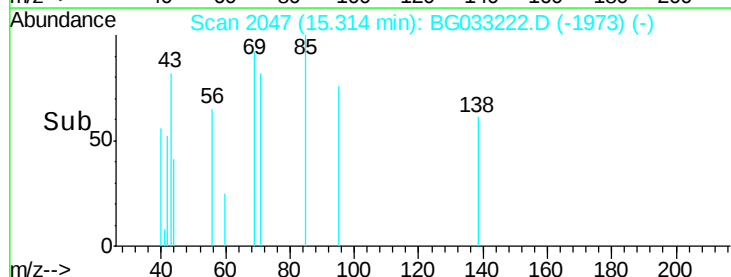
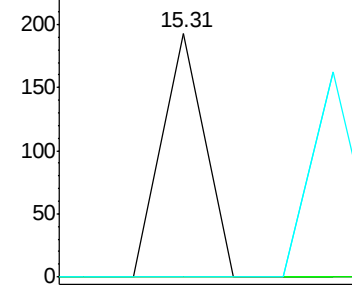
92 0.0 105.8 158.8#

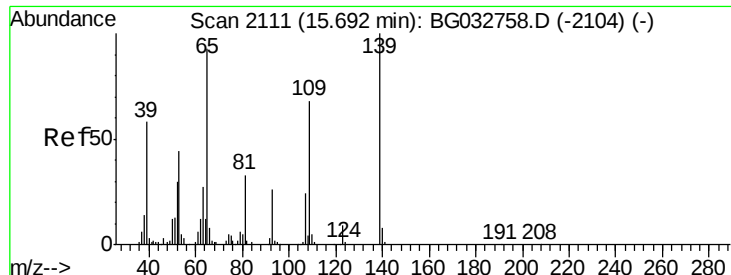


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#55

4-Nitrophenol

Concen: 7.116 ng

RT: 15.88 min Scan# 2143

Delta R.T. 0.18 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

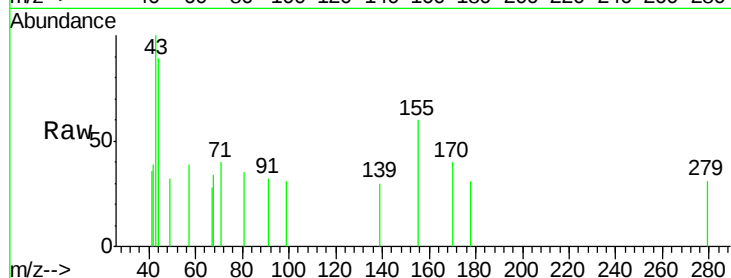
Tot Ion:139 Resp: 57

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

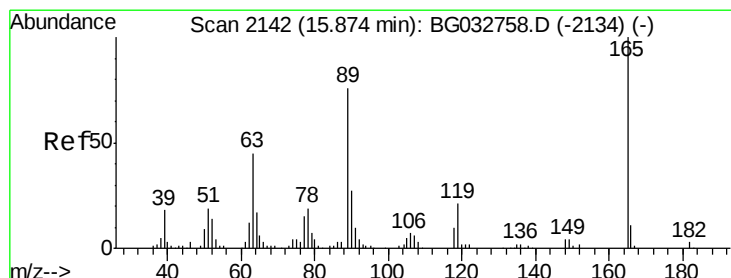
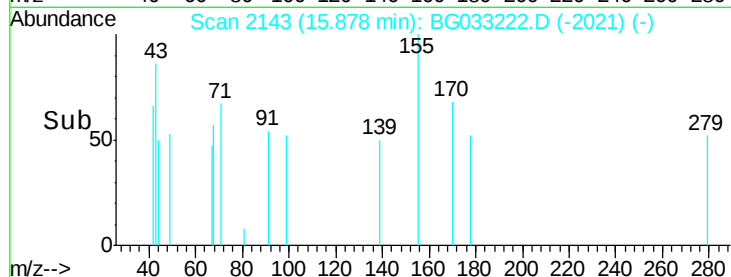
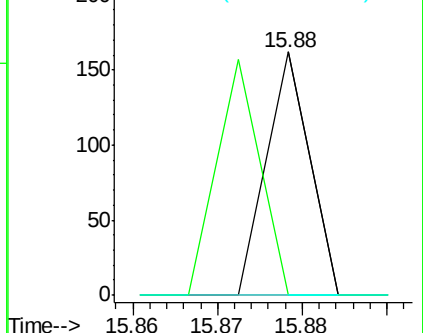
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 14.971 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.34 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Tgt Ion:165 Resp: 14154

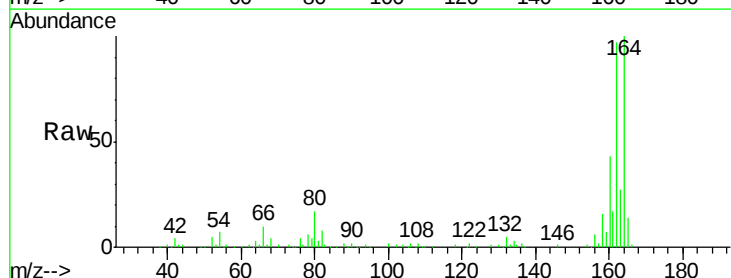
Ion Ratio Lower Upper

165 100

63 2.8 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

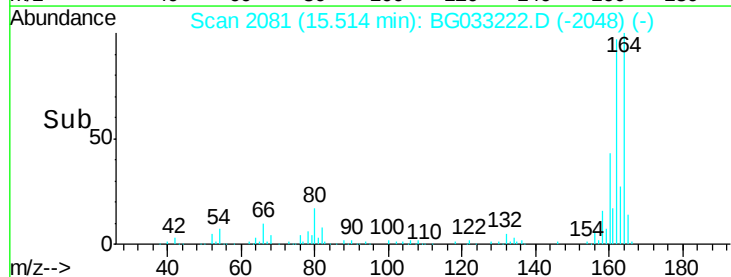
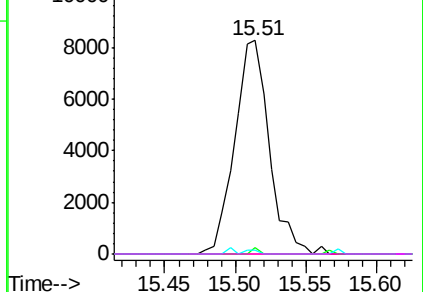


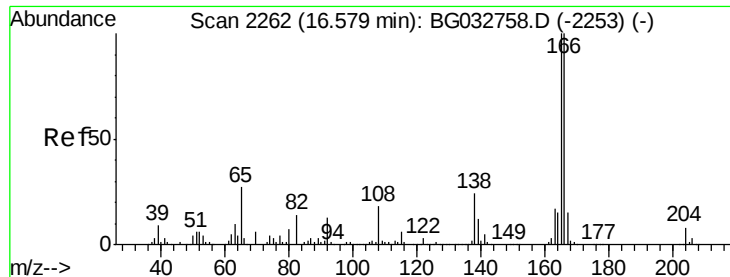
Abundance Ion 165.00 (164.70 to 165.70): E

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

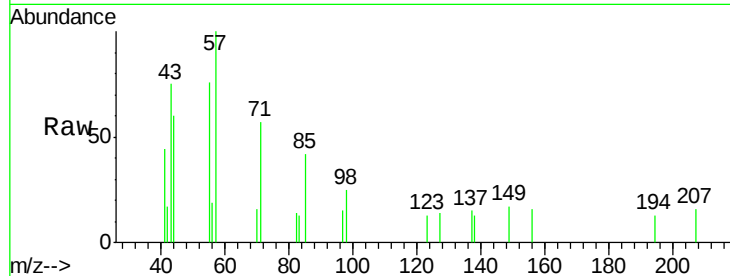




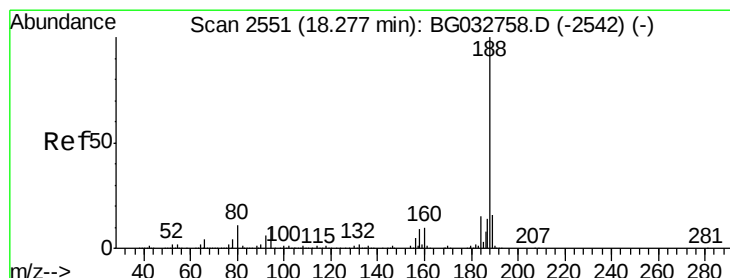
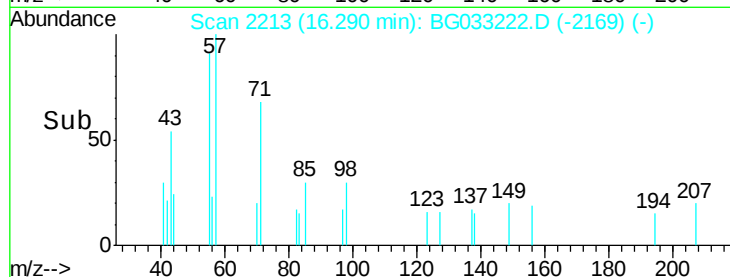
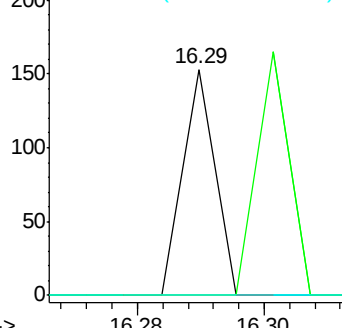
#61
4-Nitroaniline
Concen: 5.325 ng
RT: 16.29 min Scan# 2213
Delta R.T. -0.27 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Instrument :
BNA_G
ClientSampleId :
1499-02-1508-OILY-SOIL

Tot Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

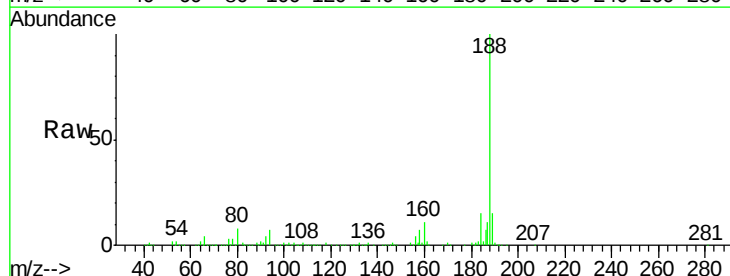


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

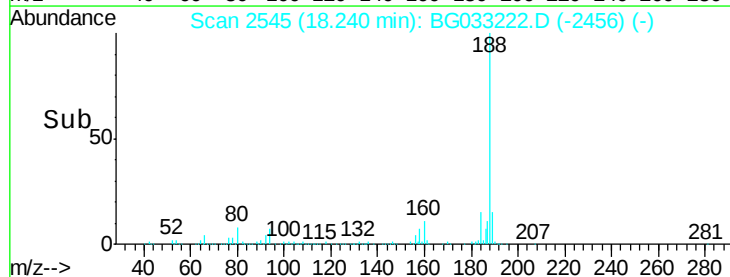
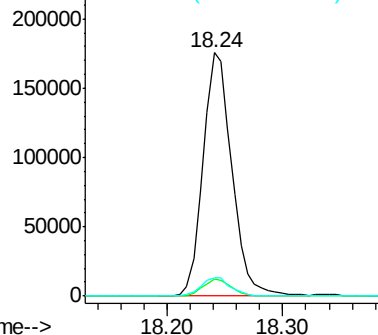


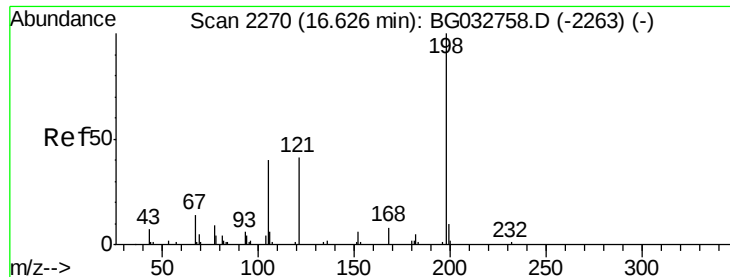
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033222.D
Acq: 17 Mar 2018 7:30

Tgt Ion:188 Resp: 303947
Ion Ratio Lower Upper
188 100
94 7.0 6.9 10.3
80 7.7 7.7 11.5



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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.240 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

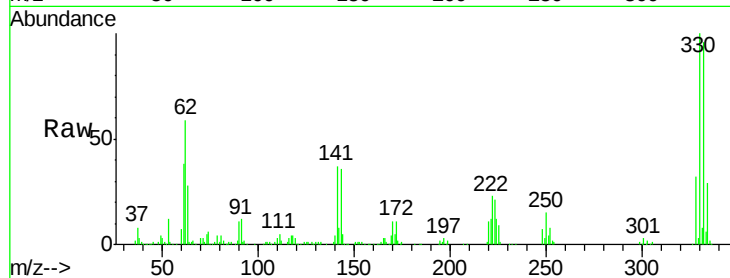
Tot Ion:198 Resp: 927

Ion Ratio Lower Upper

198 100

51 186.3 30.6 70.6#

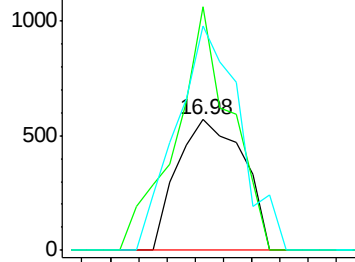
105 171.4 23.8 63.8#



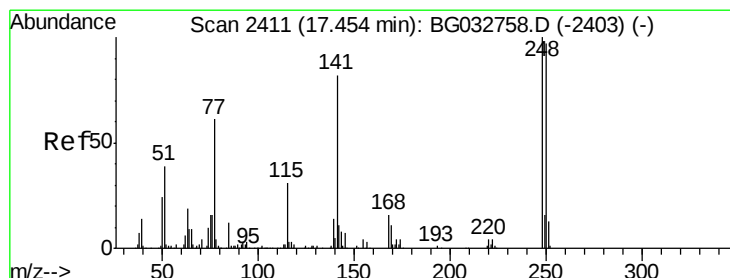
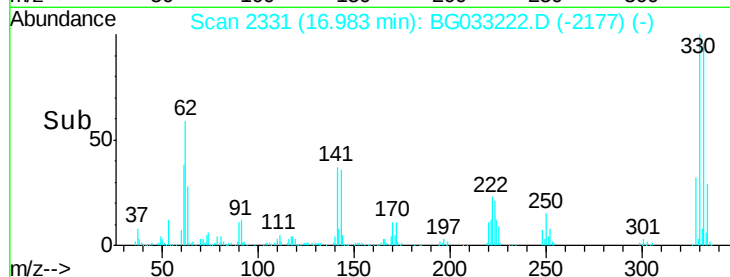
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 6.860 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

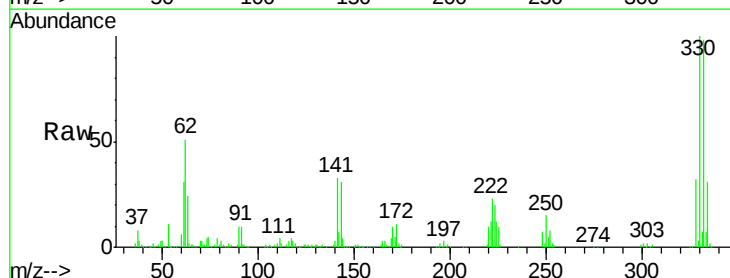
Tgt Ion:248 Resp: 22049

Ion Ratio Lower Upper

248 100

250 207.6 77.1 115.7#

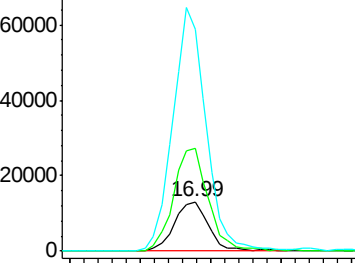
141 451.1 50.8 76.2#



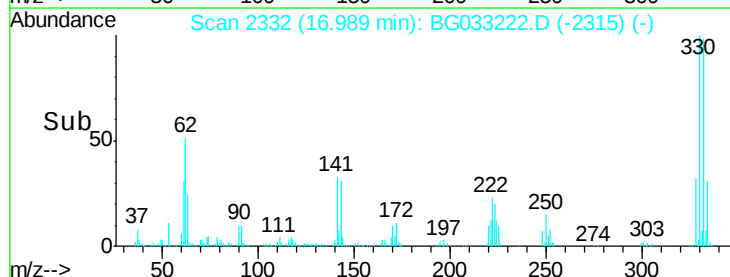
Abundance Ion 248.00 (247.70 to 248.70): E

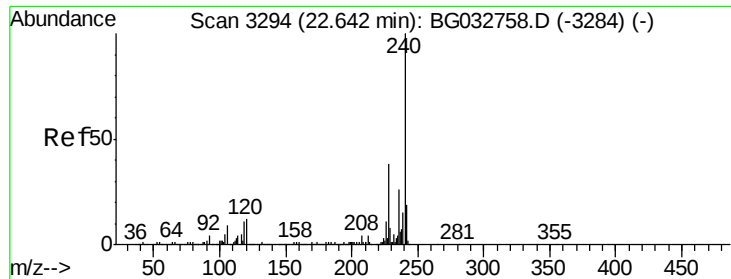
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.59 min Scan# 3286

Delta R.T. -0.01 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

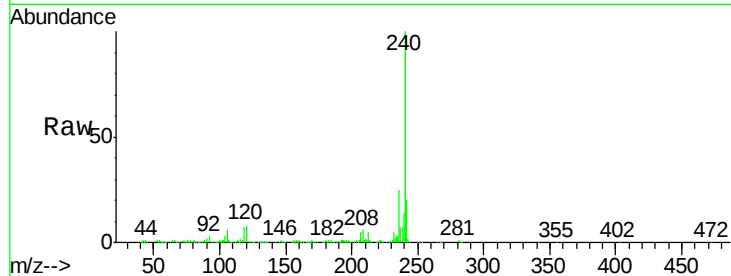
Tot Ion:240 Resp: 318562

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

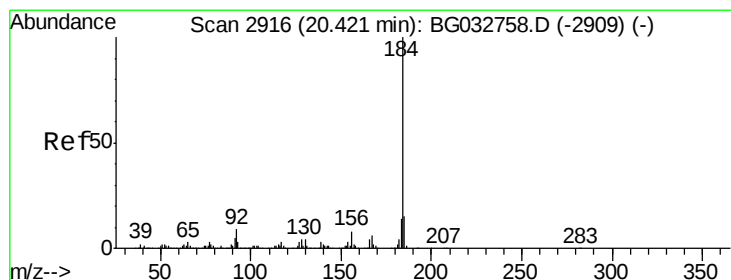
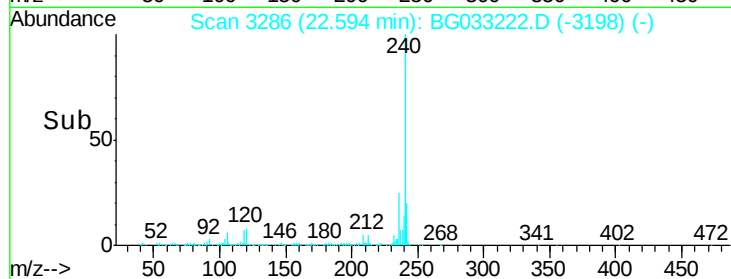
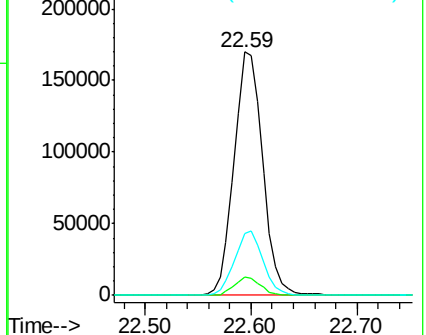
236 25.3 20.9 31.3



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: 2.556 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

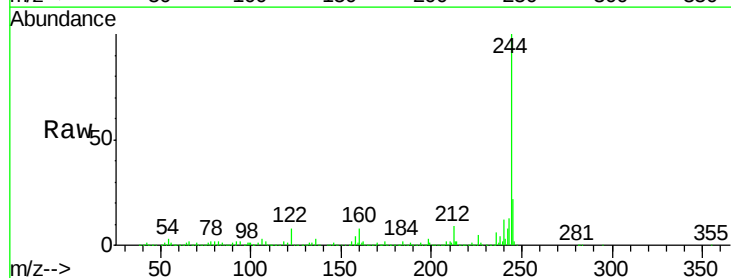
Tgt Ion:184 Resp: 27755

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

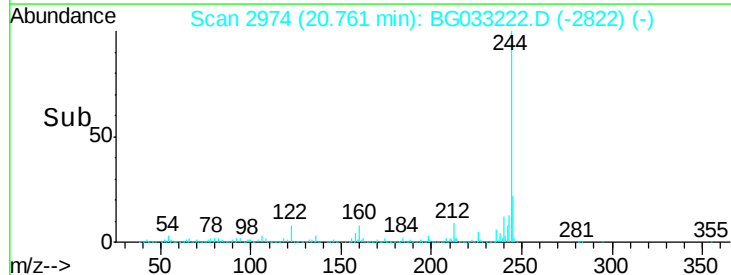
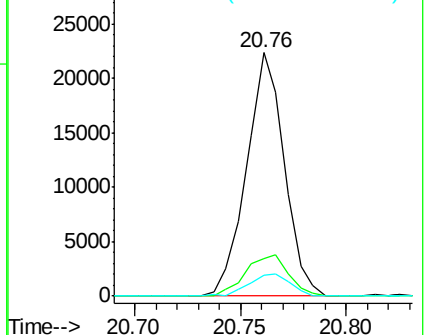
183 8.8 10.6 16.0#

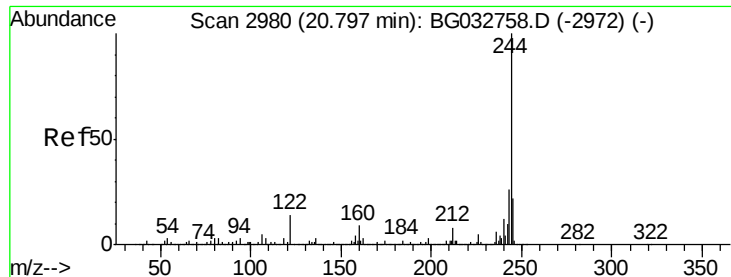


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 118.684 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

Instrument :

BNA_G

ClientSampleId :

1499-02-1508-OILY-SOIL

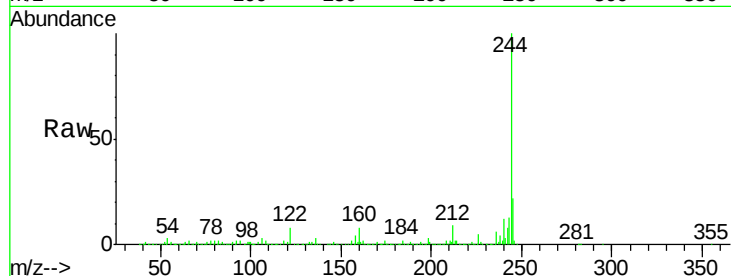
Tot Ion:244 Resp: 1682805

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

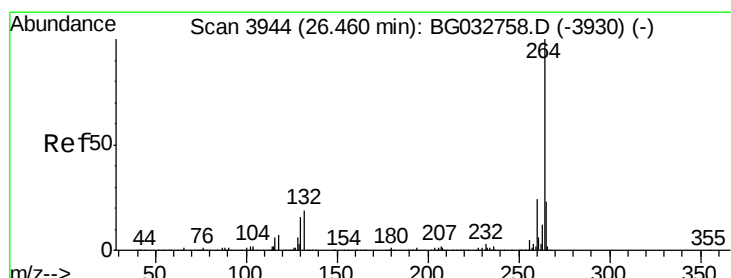
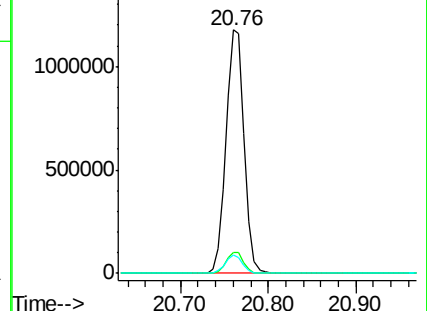
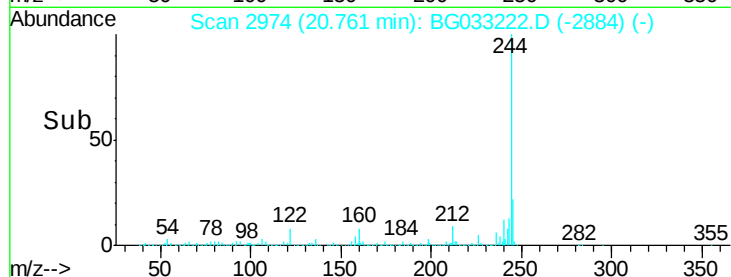
122 7.5 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033222.D

Acq: 17 Mar 2018 7:30

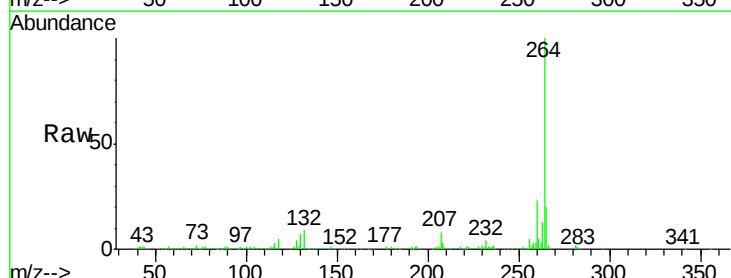
Tgt Ion:264 Resp: 342937

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 19.7 17.7 26.5



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

