

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033220.D
 Acq On : 17 Mar 2018 6:15
 Operator : SJ/JU
 Sample : J1931-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1490-94-OILY-SOIL

Quant Time: Mar 19 02:24:44 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	39585	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	152083	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	112187	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	327274	20.00	ng	0.00
75) Chrysene-d12	22.60	240	351559	20.00	ng	0.00
86) Perylene-d12	26.40	264	379448	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	320506	129.53	ng	0.00
7) Phenol-d6	8.00	99	429705	124.60	ng	-0.01
23) Nitrobenzene-d5	10.10	82	354634	152.86	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	275986	233.96	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	787612	101.25	ng	0.00
78) Terphenyl-d14	20.76	244	1704808	108.95	ng	0.00

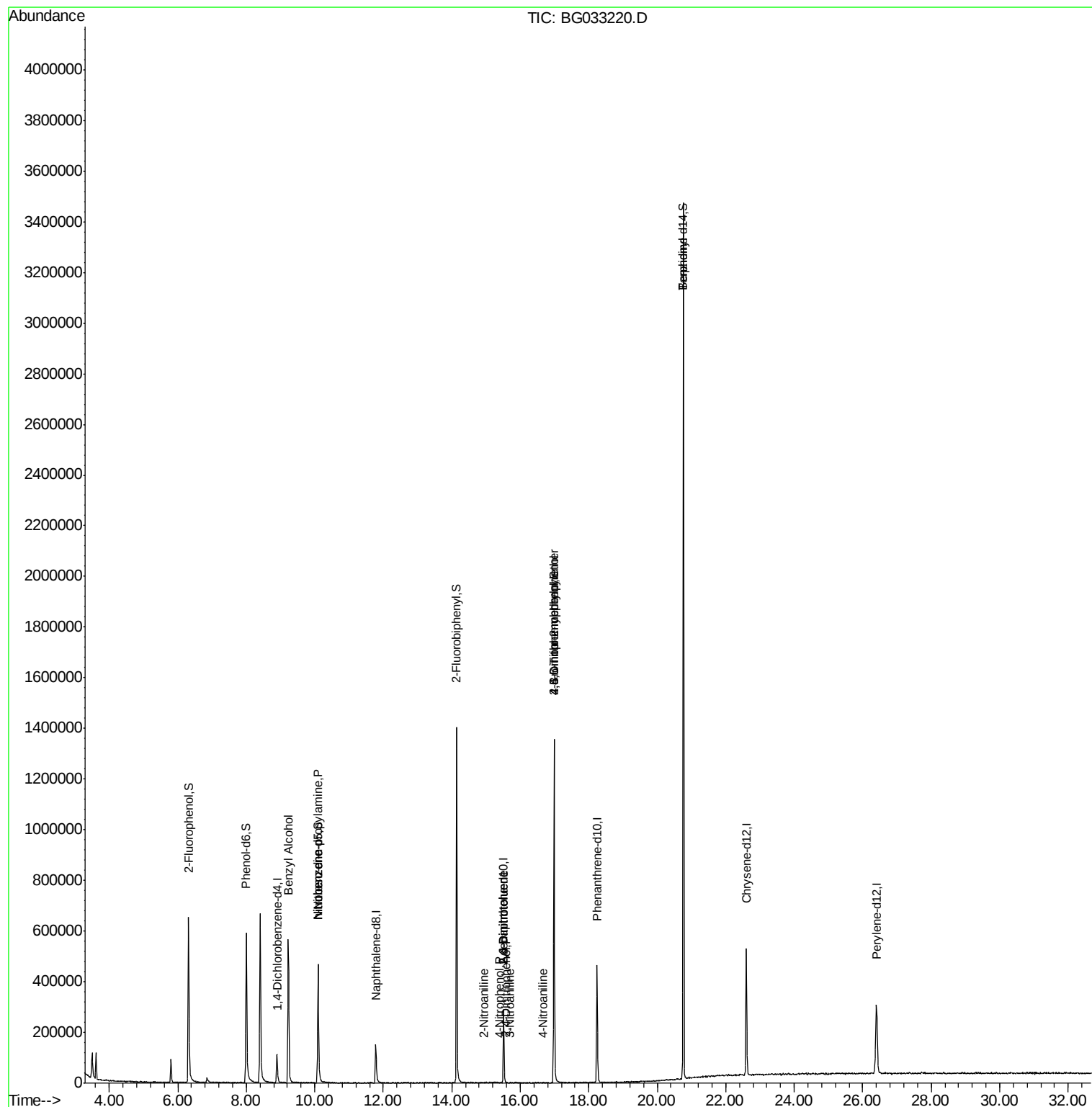
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	5933	2.340	ng	# 42
19) n-Nitroso-di-n-propylamine	10.10	70	48141	19.772	ng	# 75
24) Nitrobenzene	10.10	77	1169	6.798	ng	# 28
47) 2-Nitroaniline	14.92	65	55	9.859	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	14527	16.404	ng	# 18
52) 3-Nitroaniline	15.71	138	73	7.575	ng	# 1
53) 2,4-Dinitrophenol	15.57	184	61	3.565	ng	# 1
55) 4-Nitrophenol	15.38	139	64	7.118	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14527	14.602	ng	# 16
61) 4-Nitroaniline	16.67	138	56	5.324	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	768	5.944	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	20466	5.914	ng	# 1
76) Benzidine	20.76	184	27954	2.333	ng	# 93

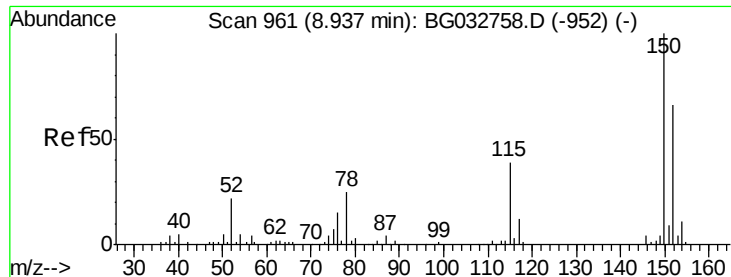
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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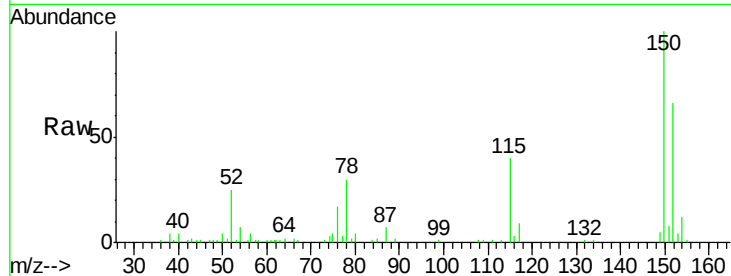


#1

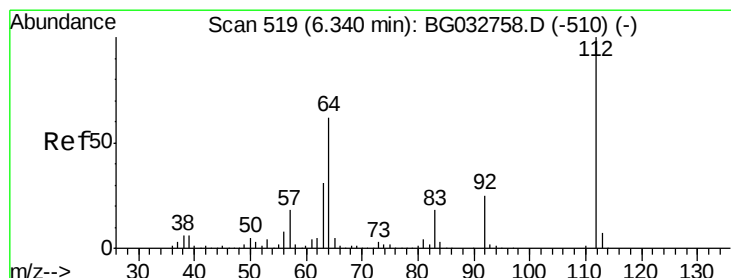
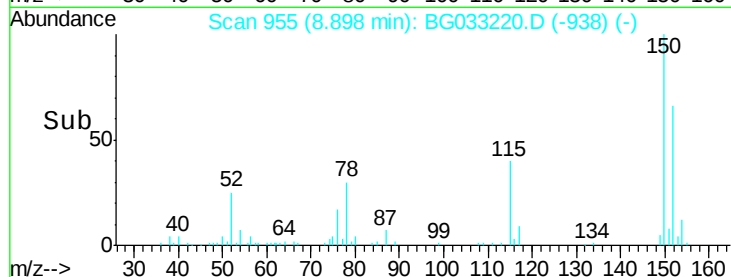
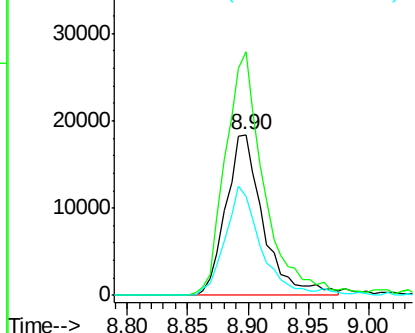
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Instrument :
BNA_G
ClientSampleId :
1490-94-OILY-SOIL

Tot Ion:152 Resp: 39585
Ion Ratio Lower Upper
152 100
150 151.7 126.6 189.8
115 61.3 53.0 79.4



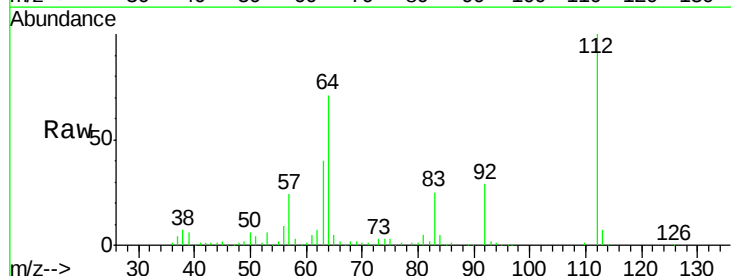
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



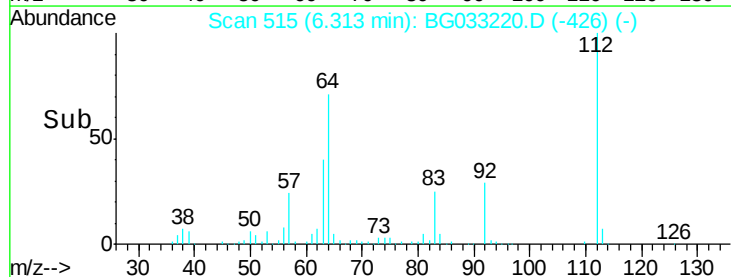
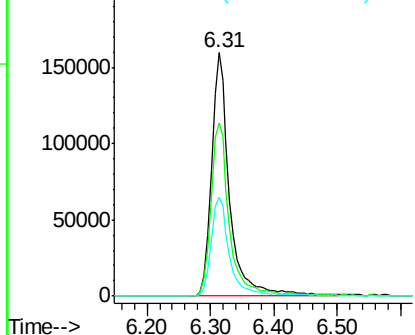
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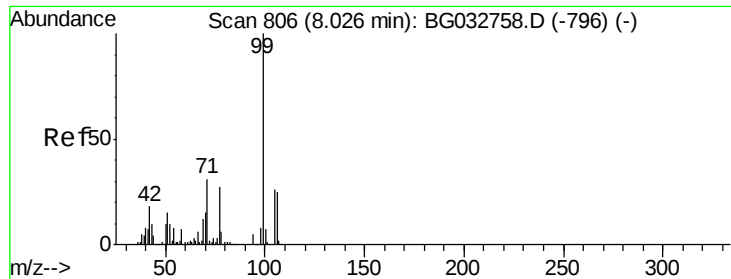
2-Fluorophenol
Concen: 129.535 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Tgt Ion:112 Resp: 320506
Ion Ratio Lower Upper
112 100
64 71.2 56.3 84.5
63 40.5 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: 124.595 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

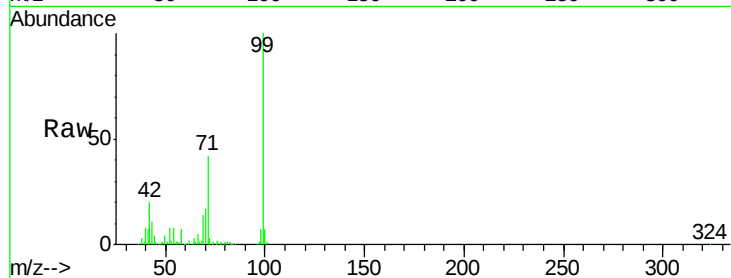
Tot Ion: 99 Resp: 429705

Ion Ratio Lower Upper

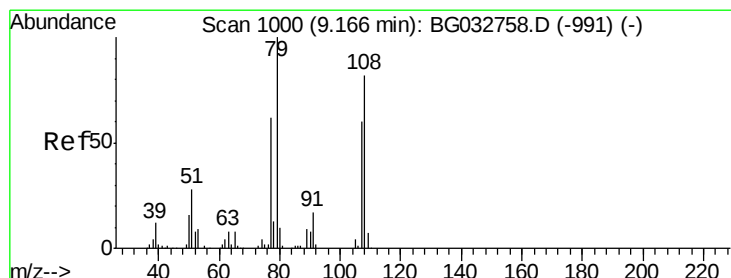
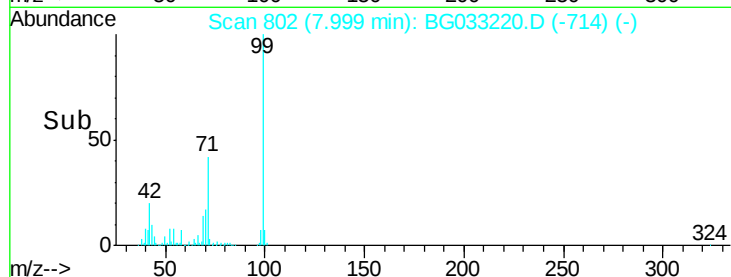
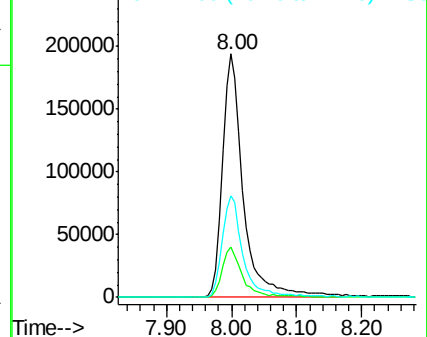
99 100

42 20.4 14.1 21.1

71 41.6 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: 2.340 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.09 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

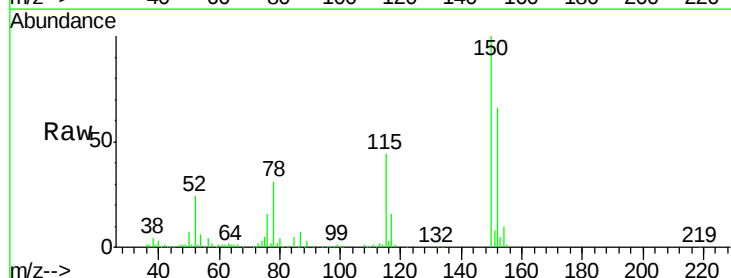
Tgt Ion: 79 Resp: 5933

Ion Ratio Lower Upper

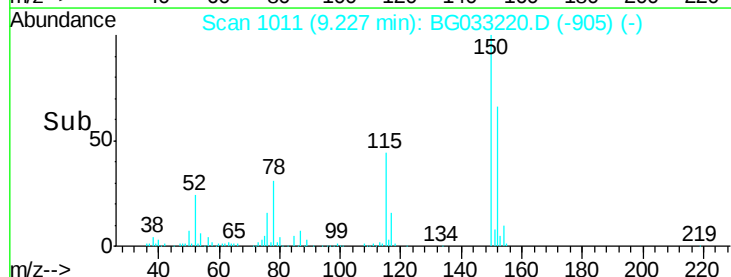
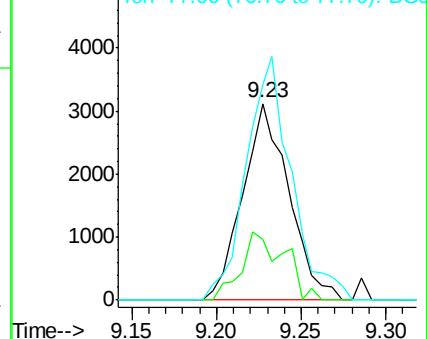
79 100

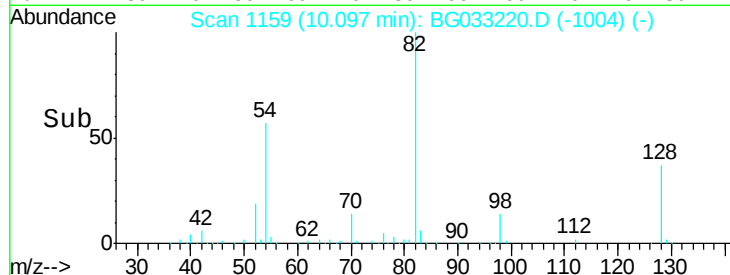
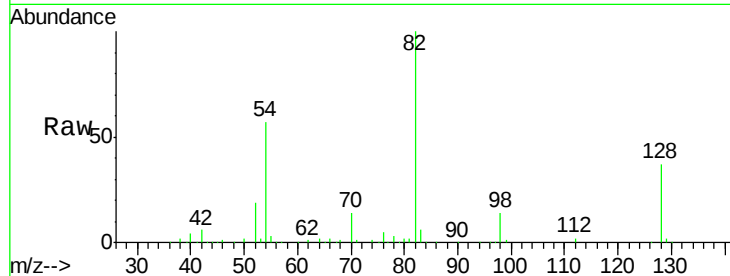
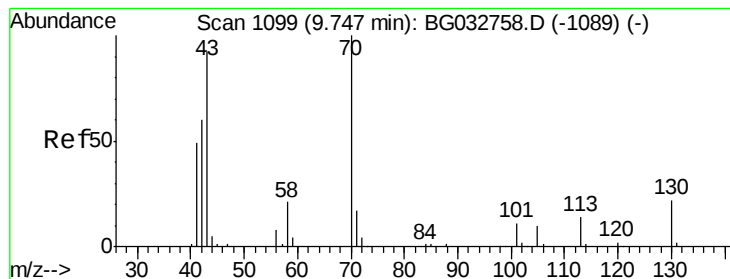
108 30.8 57.2 85.8#

77 109.2 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: 19.772 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

Tot Ion: 70 Resp: 48141

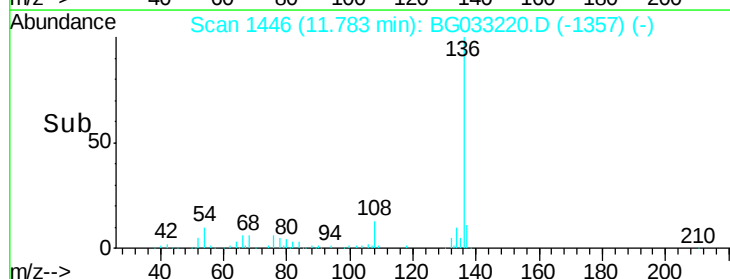
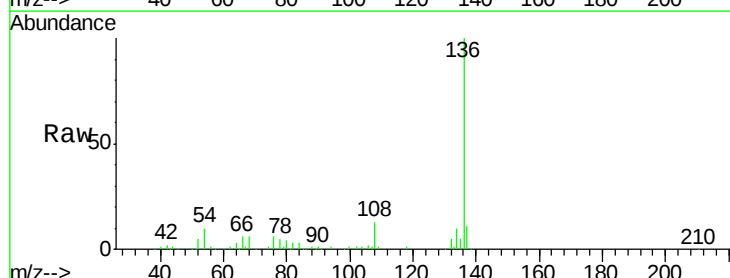
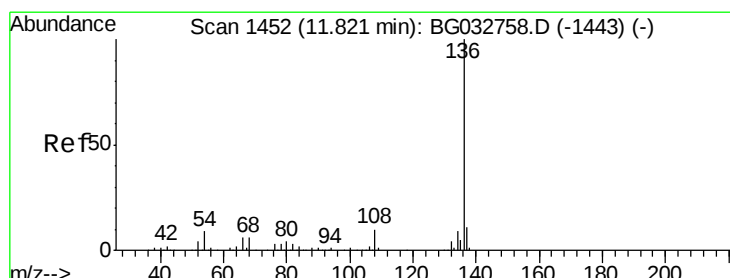
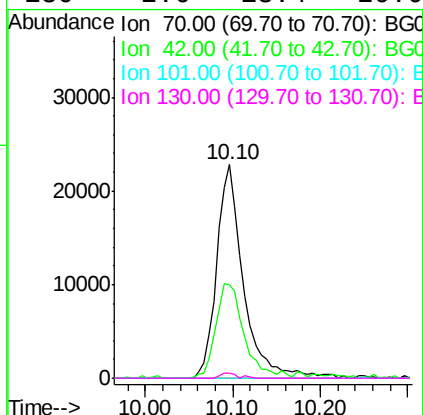
Ion Ratio Lower Upper

70 100

42 44.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Tgt Ion: 136 Resp: 152083

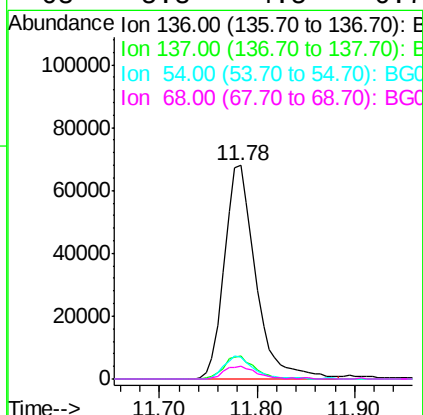
Ion Ratio Lower Upper

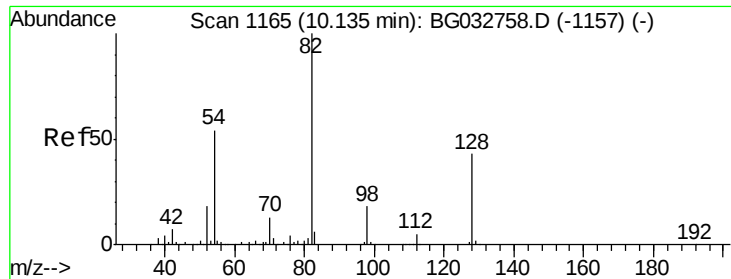
136 100

137 10.6 9.2 13.8

54 10.4 10.3 15.5

68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 152.860 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

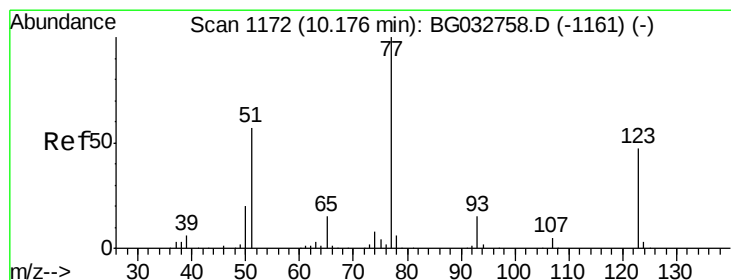
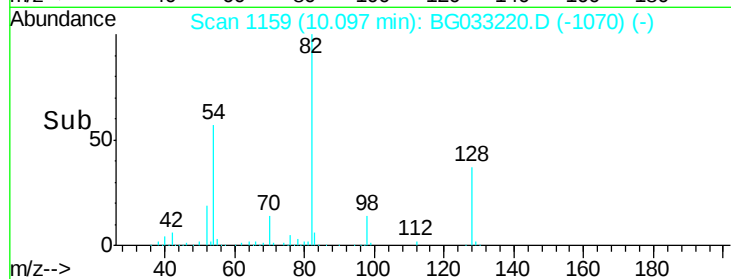
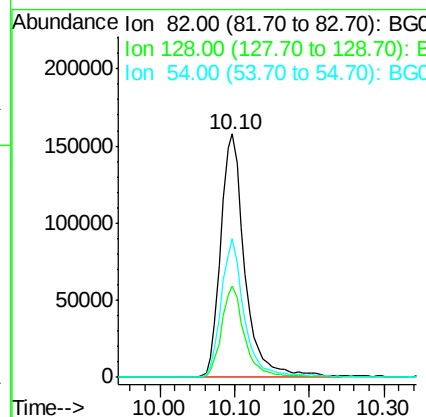
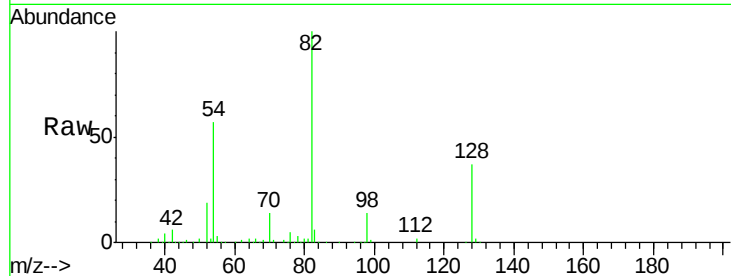
Tot Ion: 82 Resp: 354634

Ion Ratio Lower Upper

82 100

128 37.3 29.7 44.5

54 56.8 43.1 64.7



#24

Nitrobenzene

Concen: 6.798 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

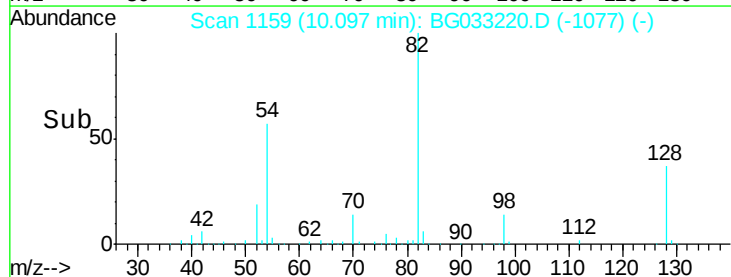
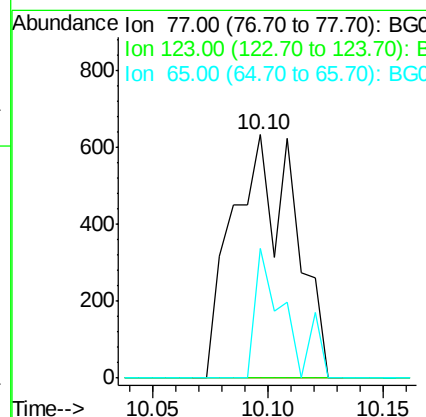
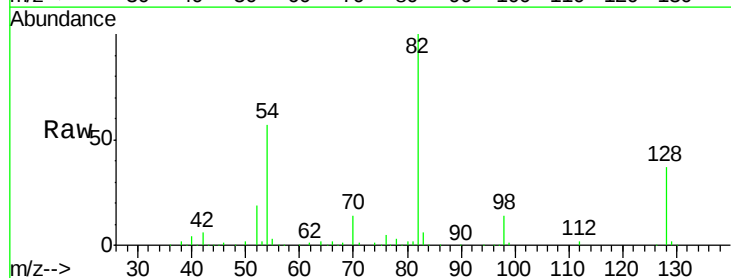
Tgt Ion: 77 Resp: 1169

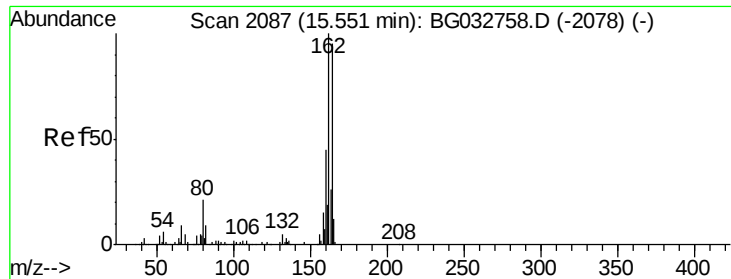
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 53.3 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

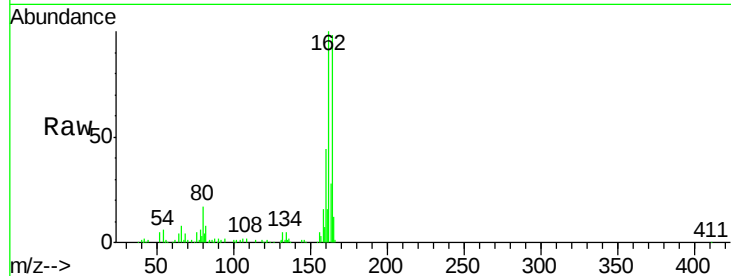
Tot Ion:164 Resp: 112187

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

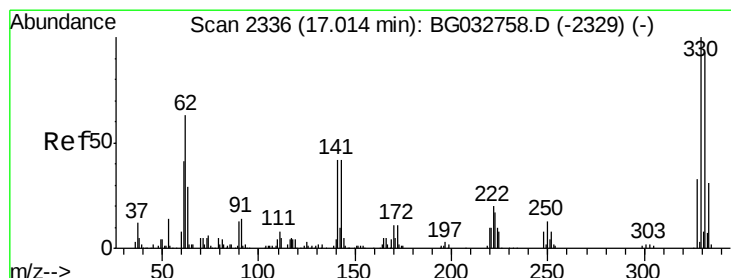
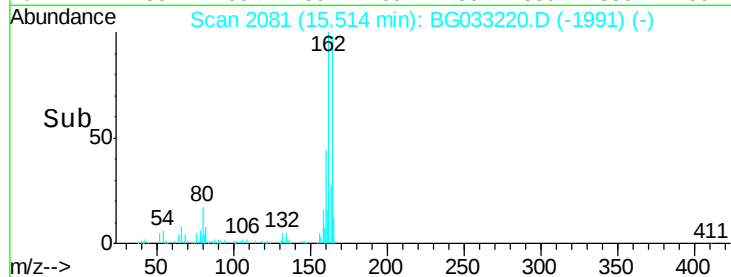
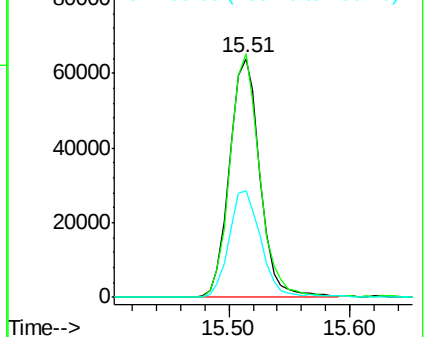
160 44.5 35.4 53.0



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: 233.964 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

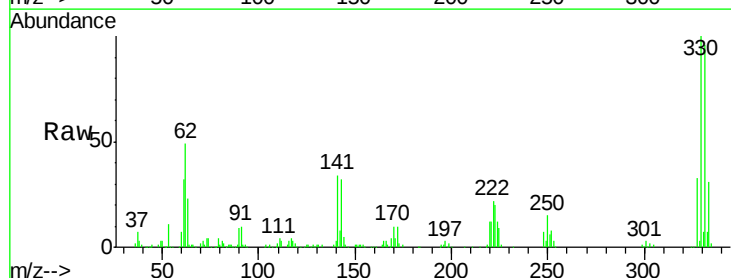
Tgt Ion:330 Resp: 275986

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

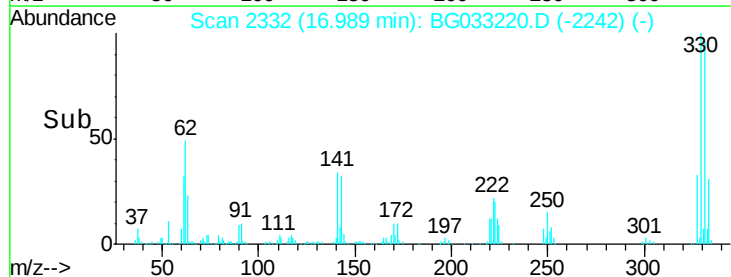
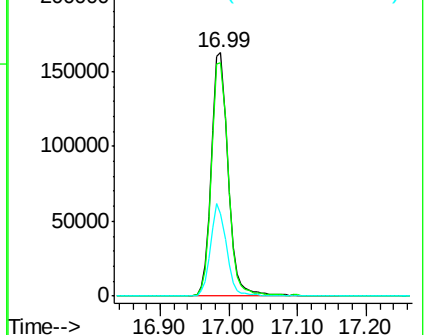
141 35.9 25.2 37.8

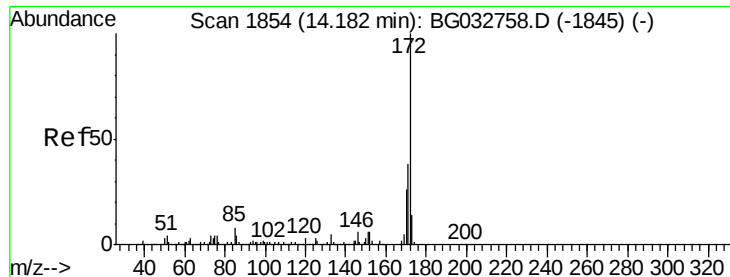


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

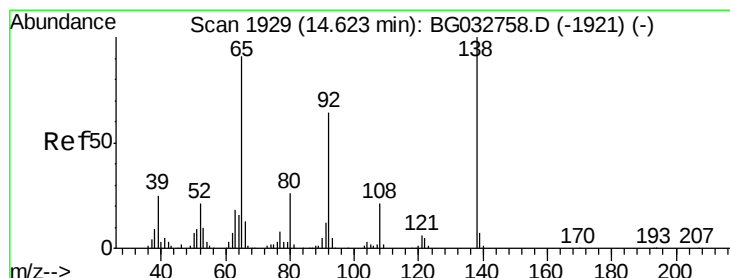
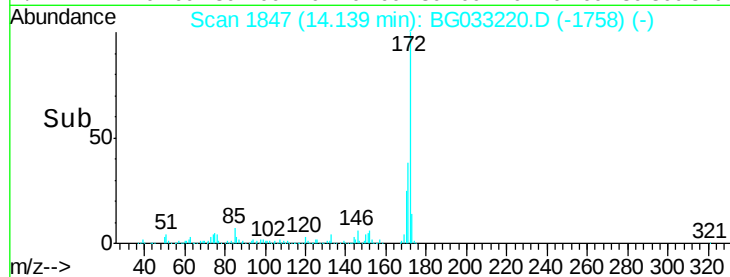
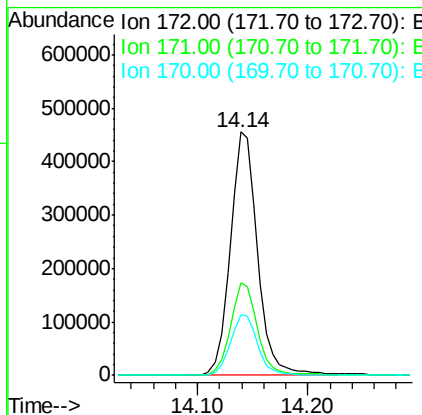
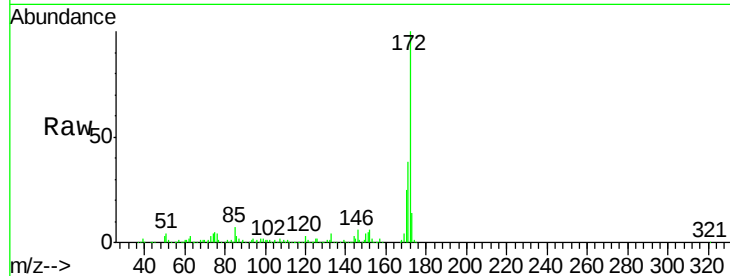




#44
2-Fluorobiphenyl
Concen: 101.254 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

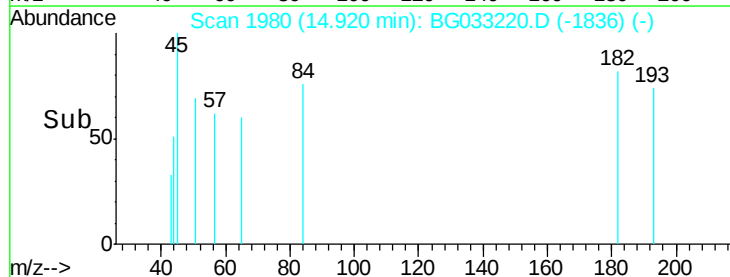
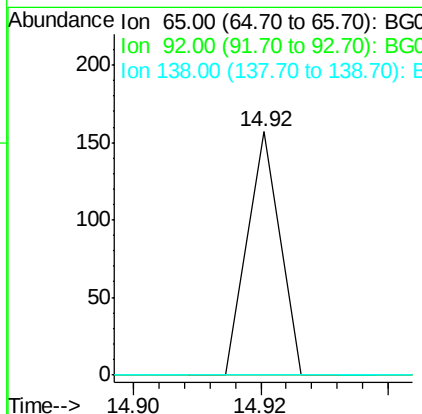
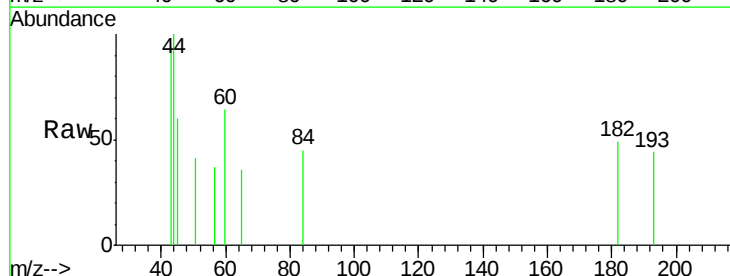
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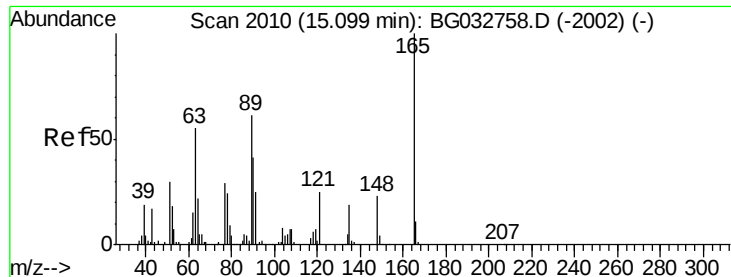
Tot Ion:172 Resp: 787612
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 25.0 19.5 29.3



#47
2-Nitroaniline
Concen: 9.859 ng
RT: 14.92 min Scan# 1980
Delta R.T. 0.32 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#

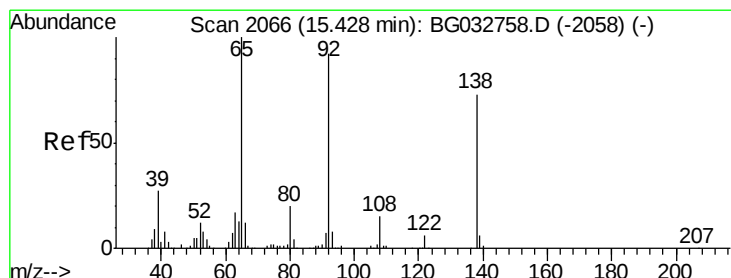
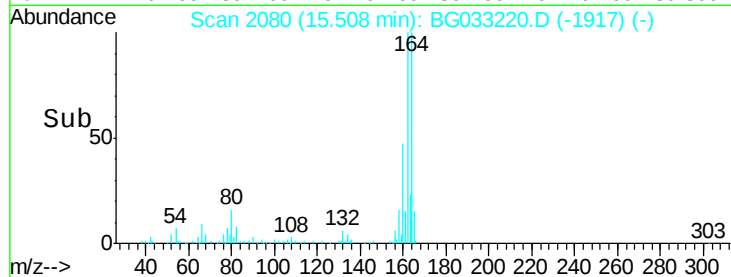
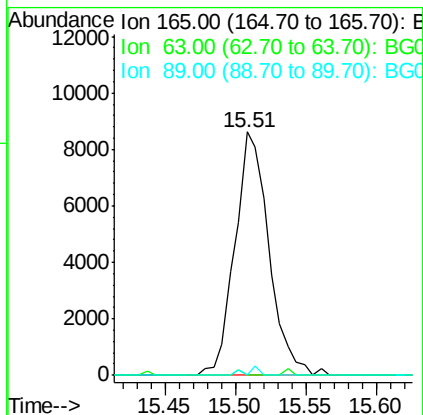
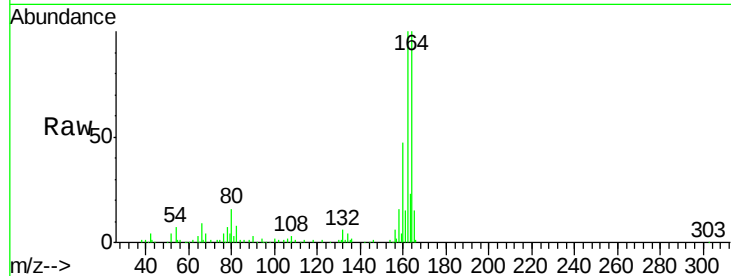




#50
 2,6-Dinitrotoluene
 Concen: 16.404 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.43 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

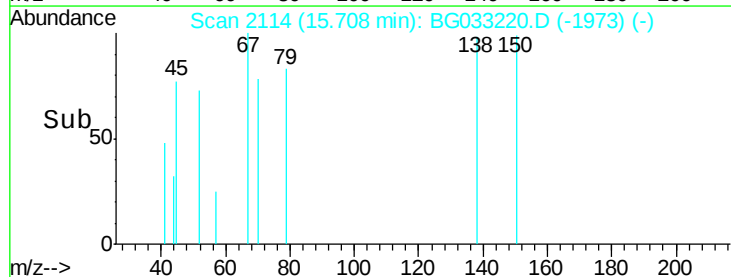
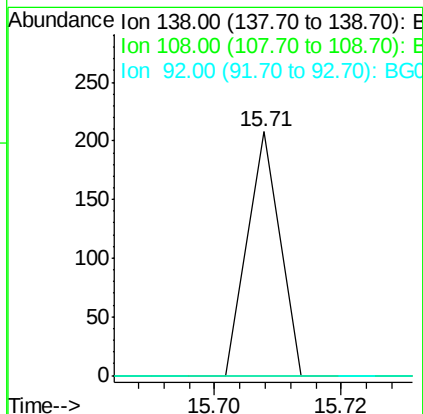
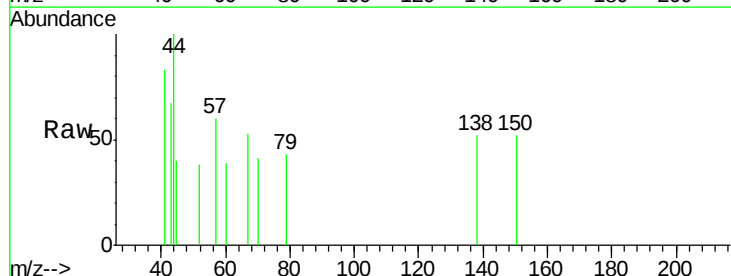
Instrument :
 BNA_G
 ClientSampleId :
 1490-94-OILY-SOIL

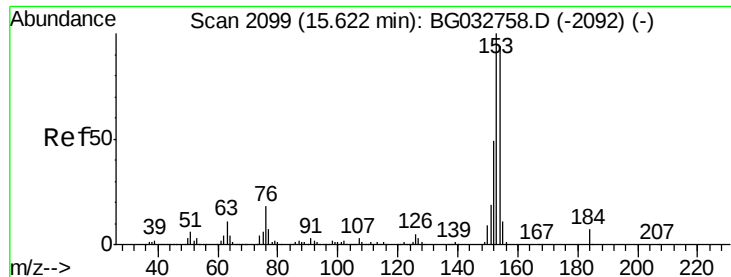
Tot Ion:165 Resp: 14527
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 7.575 ng
 RT: 15.71 min Scan# 2114
 Delta R.T. 0.30 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

Tgt Ion:138 Resp: 73
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#

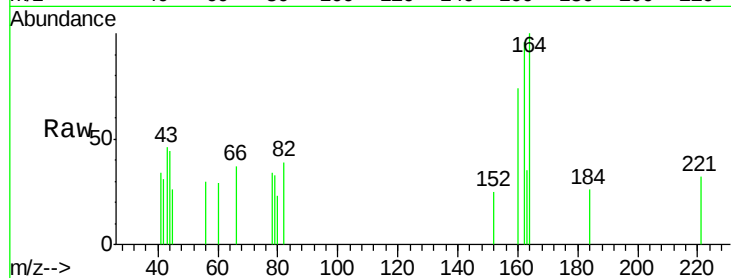




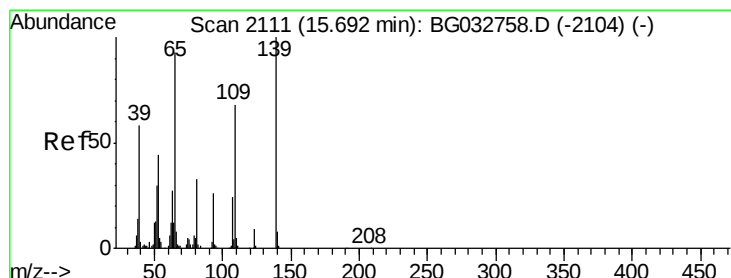
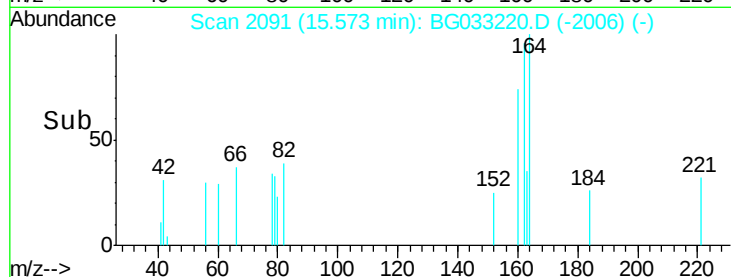
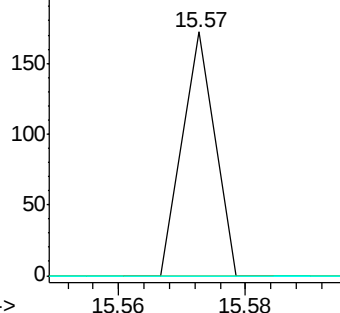
#53
 2,4-Dinitrophenol
 Concen: 3.565 ng
 RT: 15.57 min Scan# 2091
 Delta R.T. -0.03 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

Instrument :
 BNA_G
 ClientSampleId :
 1490-94-OILY-SOIL

Tot Ion:184 Resp: 61
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

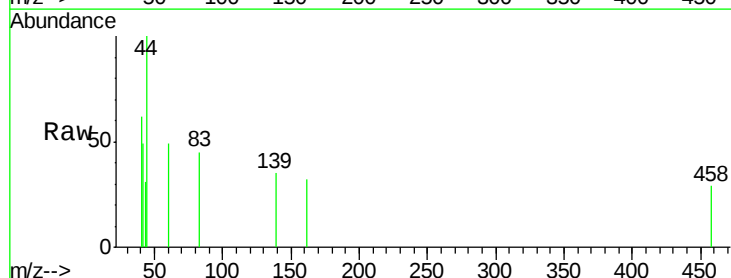


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

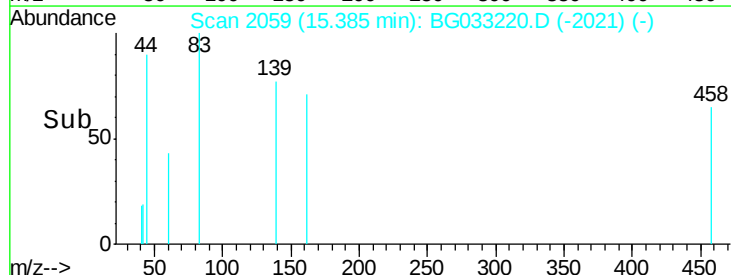
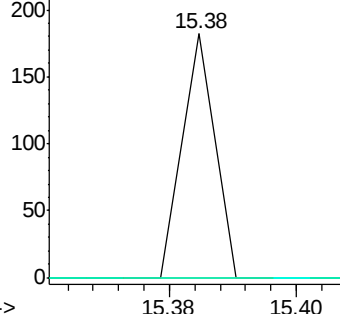


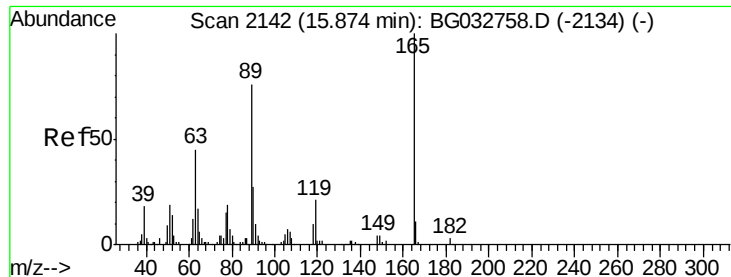
#55
 4-Nitrophenol
 Concen: 7.118 ng
 RT: 15.38 min Scan# 2059
 Delta R.T. -0.31 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

Tgt Ion:139 Resp: 64
 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

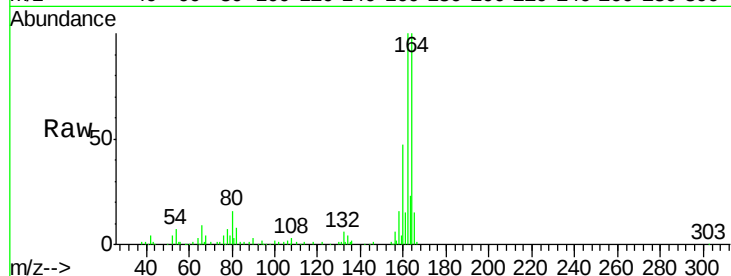




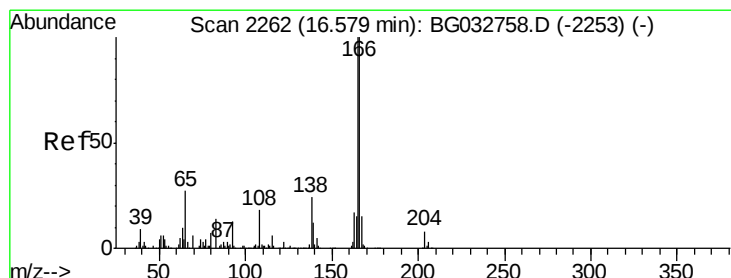
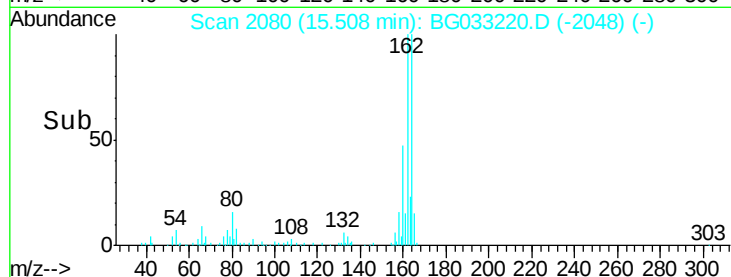
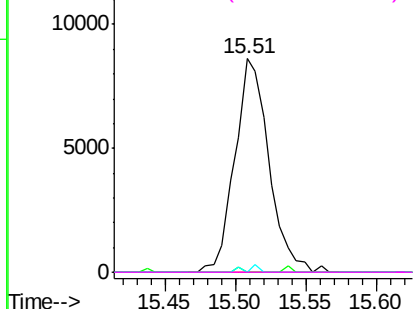
#56
2,4-Dinitrotoluene
Concen: 14.602 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Instrument :
BNA_G
ClientSampleId :
1490-94-OILY-SOIL

Tot Ion:165 Resp: 14527
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#

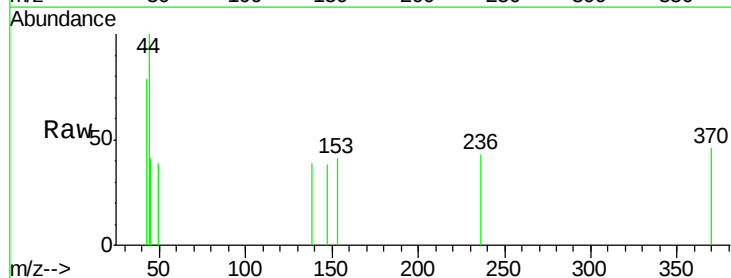


Abundance Ion 165.00 (164.70 to 165.70): E

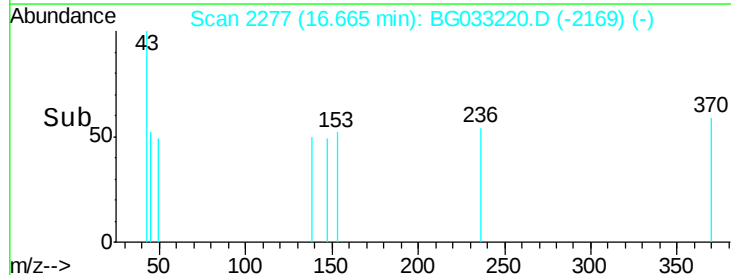
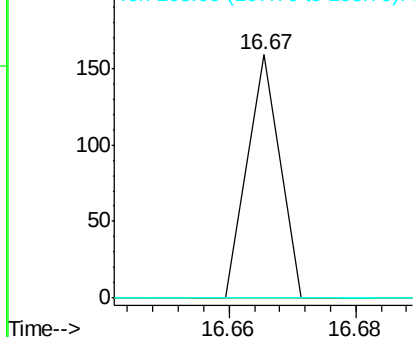


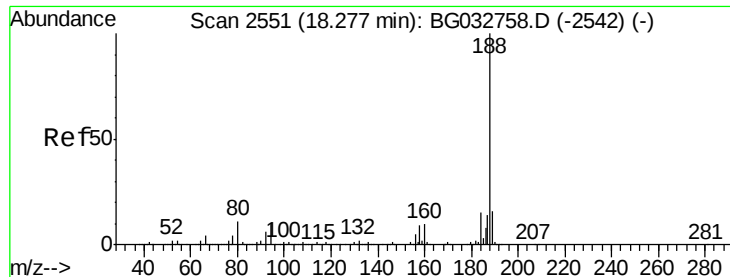
#61
4-Nitroaniline
Concen: 5.324 ng
RT: 16.67 min Scan# 2277
Delta R.T. 0.10 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Tgt Ion:138 Resp: 56
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

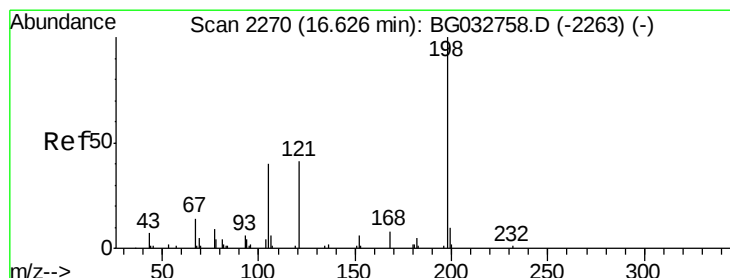
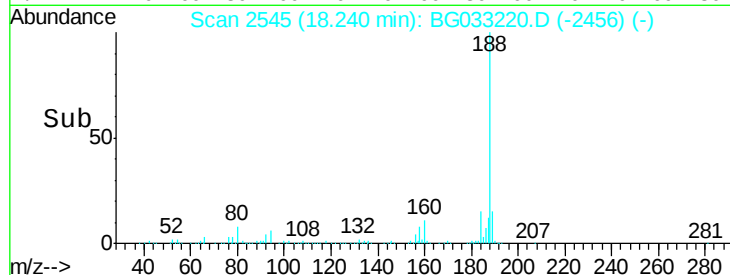
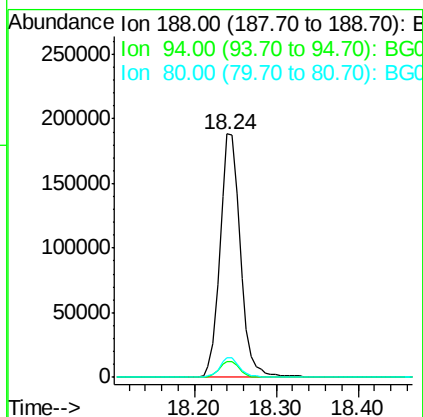
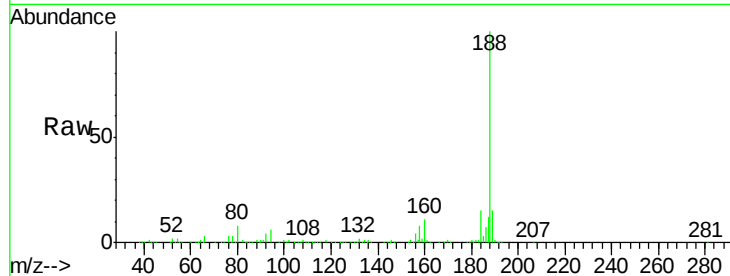




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

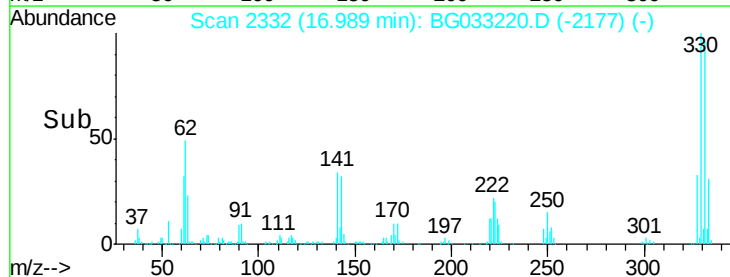
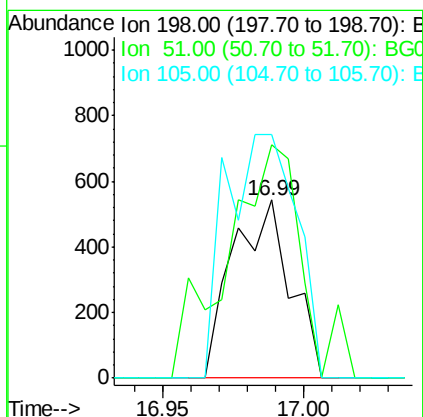
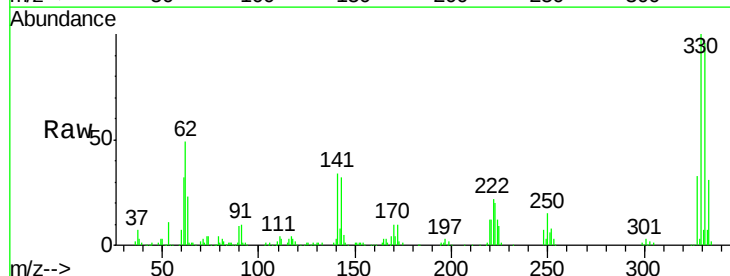
Instrument :
BNA_G
ClientSampleId :
1490-94-OILY-SOIL

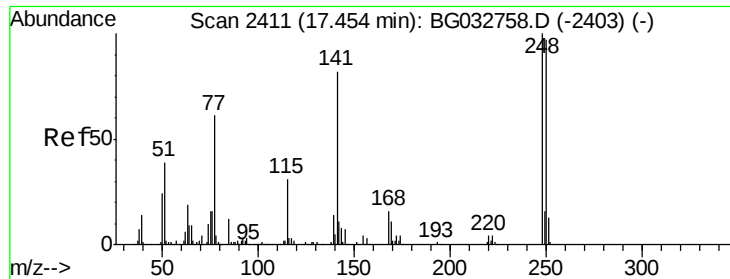
Tot Ion:188 Resp: 327274
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 8.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.944 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.38 min
Lab File: BG033220.D
Acq: 17 Mar 2018 6:15

Tgt Ion:198 Resp: 768
Ion Ratio Lower Upper
198 100
51 131.3 30.6 70.6#
105 136.6 23.8 63.8#

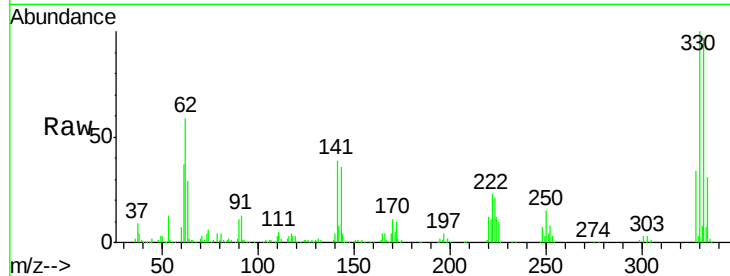




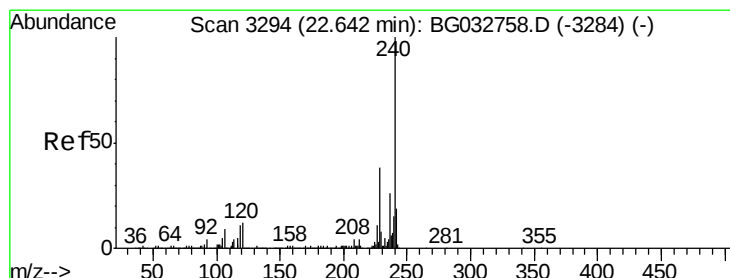
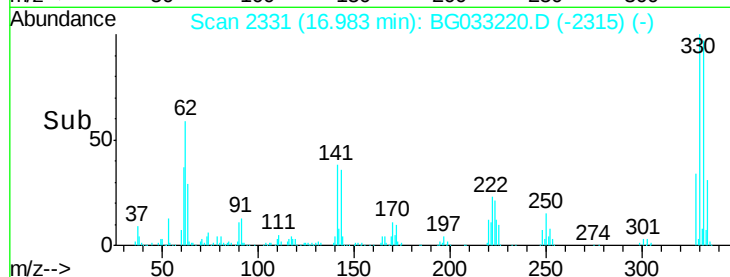
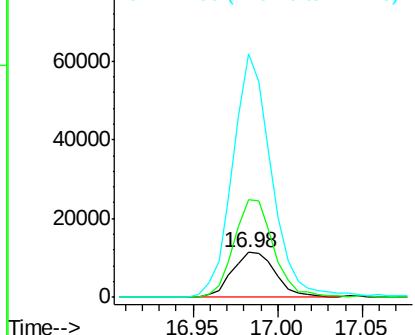
#66
 4-Bromophenyl-phenylether
 Concen: 5.914 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.44 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

Instrument :
 BNA_G
 ClientSampleId :
 1490-94-OILY-SOIL

Tot Ion:248 Resp: 20466
 Ion Ratio Lower Upper
 248 100
 250 217.6 77.1 115.7#
 141 544.0 50.8 76.2#

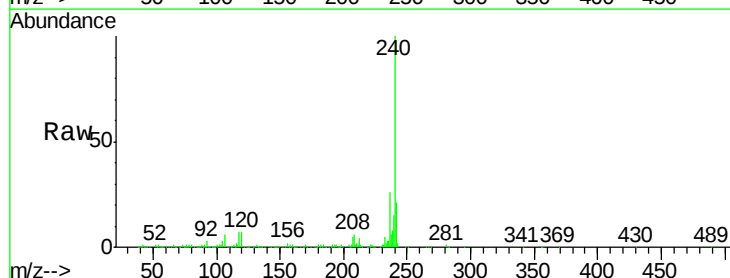


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

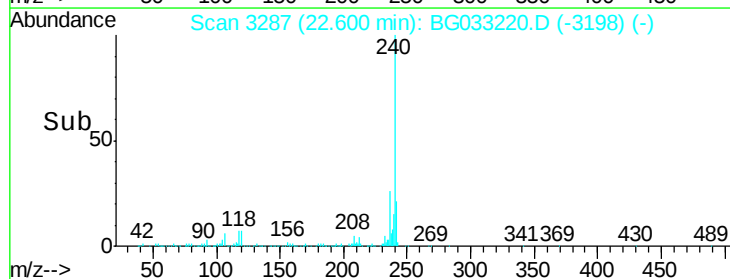
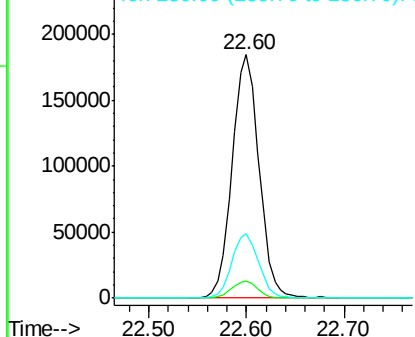


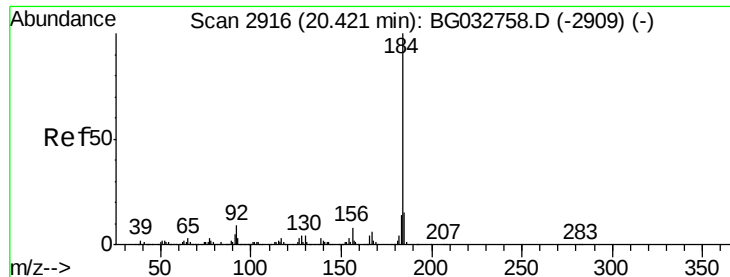
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033220.D
 Acq: 17 Mar 2018 6:15

Tgt Ion:240 Resp: 351559
 Ion Ratio Lower Upper
 240 100
 120 7.2 6.8 10.2
 236 26.4 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: 2.333 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

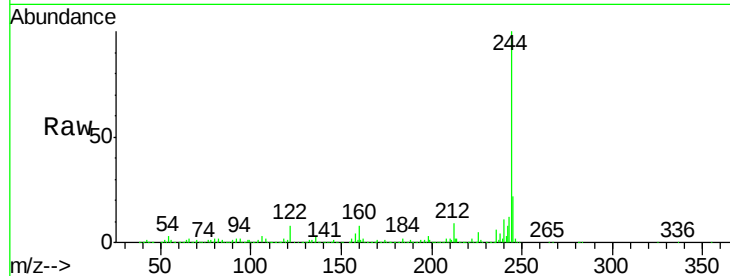
Tot Ion:184 Resp: 27954

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

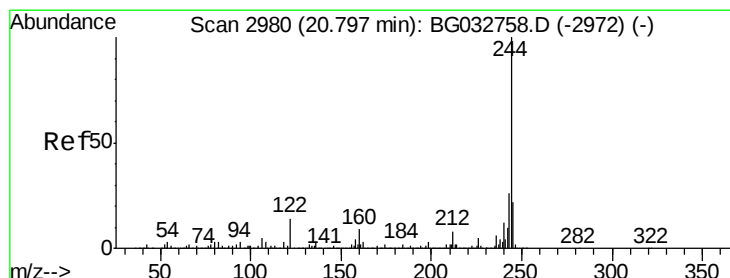
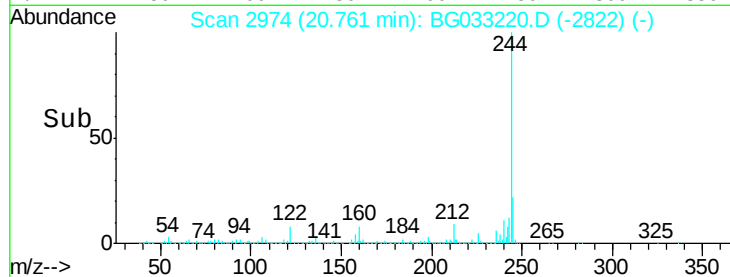
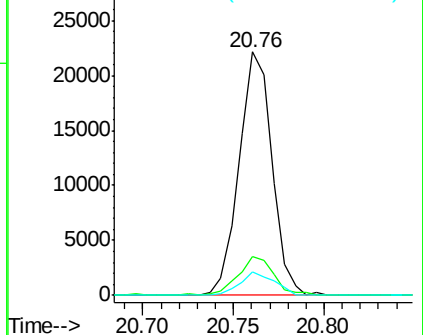
183 9.9 10.6 16.0#



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: 108.950 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

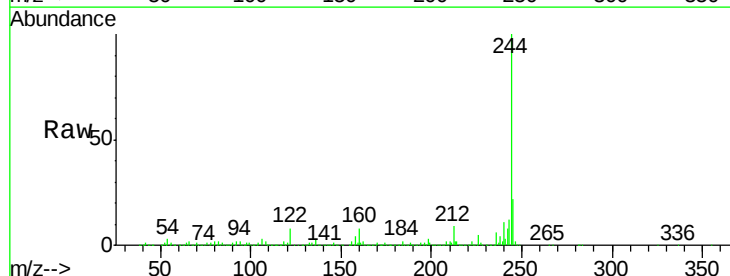
Tgt Ion:244 Resp: 1704808

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

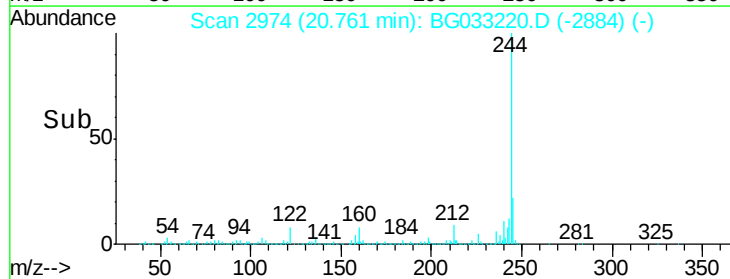
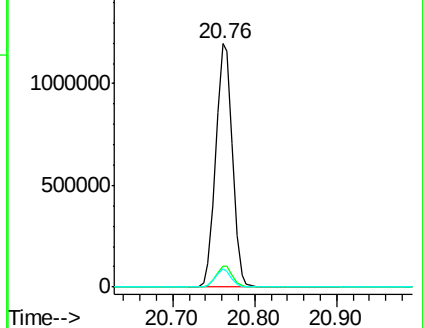
122 7.7 7.0 10.4

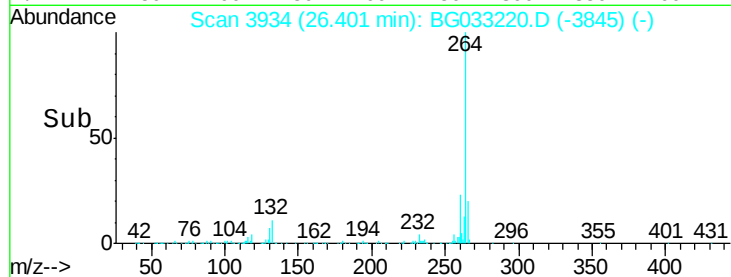
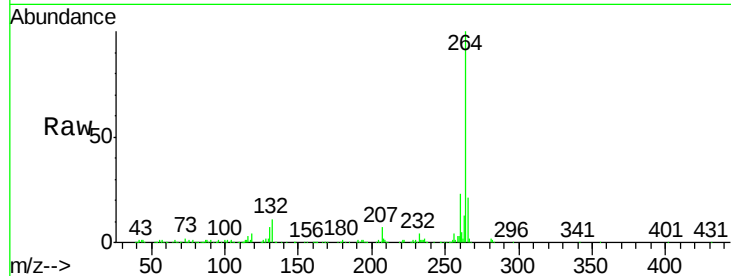
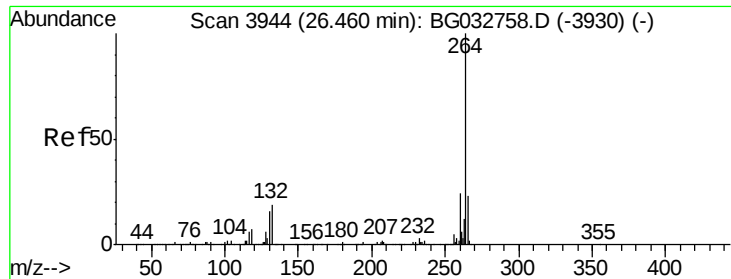


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033220.D

Acq: 17 Mar 2018 6:15

Instrument :

BNA_G

ClientSampleId :

1490-94-OILY-SOIL

Tot Ion:264 Resp: 379448

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 20.7 17.7 26.5

