

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033219.D
 Acq On : 17 Mar 2018 5:37
 Operator : SJ/JU
 Sample : J1931-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1483-OILY-DEBRIS

Quant Time: Mar 19 02:24:23 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	36641	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	148268	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	107405	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	317394	20.00	ng	0.00
75) Chrysene-d12	22.60	240	343452	20.00	ng	-0.01
86) Perylene-d12	26.40	264	364016	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	326701	142.65	ng	0.00
7) Phenol-d6	8.00	99	442271	138.54	ng	-0.01
23) Nitrobenzene-d5	10.09	82	340430	150.67	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	289802	256.61	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	773646	103.89	ng	0.00
78) Terphenyl-d14	20.76	244	1665967	108.98	ng	0.00

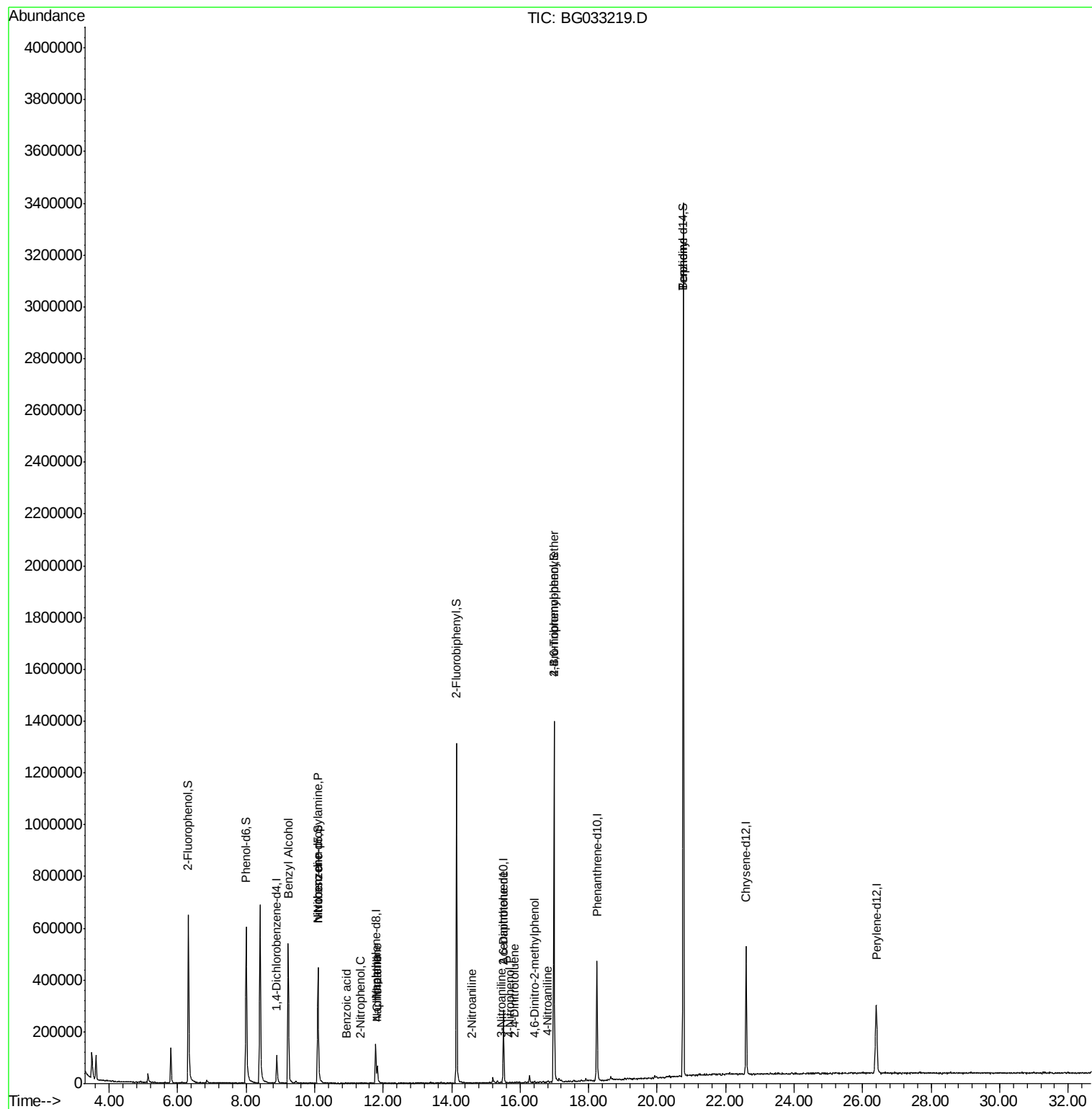
Target Compounds				Qvalue		
15) Benzyl Alcohol	9.23	79	5681	2.421	ng	# 34
19) n-Nitroso-di-n-propylamine	10.09	70	48219	21.396	ng	# 79
24) Nitrobenzene	10.09	77	1145	6.800	ng	# 52
26) 2-Nitrophenol	11.33	139	71	5.529	ng	# 29
31) Naphthalene	11.83	128	57584	7.433	ng	# 98
32) Benzoic acid	10.92	122	71	5.876	ng	# 1
33) 4-Chloroaniline	11.83	127	7861	2.269	ng	# 35
47) 2-Nitroaniline	14.58	65	63	9.864	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	14092	16.503	ng	# 20
52) 3-Nitroaniline	15.44	138	65	7.573	ng	# 1
55) 4-Nitrophenol	15.69	139	161	7.179	ng	# 1
56) 2,4-Dinitrotoluene	15.83	165	447	7.057	ng	# 16
61) 4-Nitroaniline	16.80	138	58	5.326	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.44	198	75	5.048	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	22082	6.580	ng	# 1
76) Benzidine	20.76	184	27451	2.345	ng	# 91

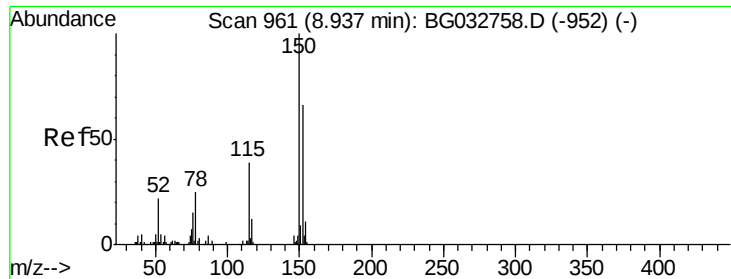
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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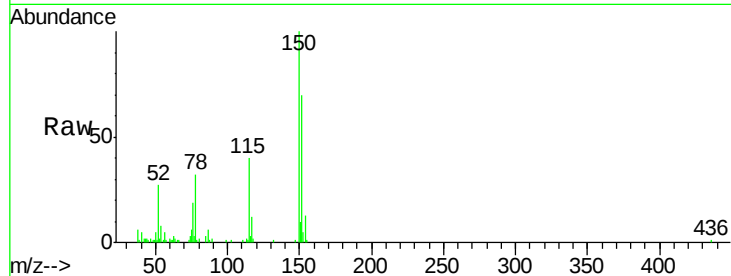


#1

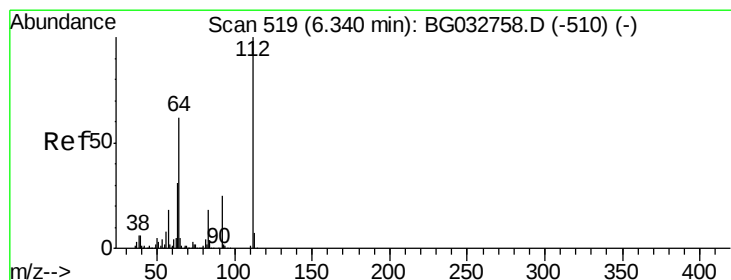
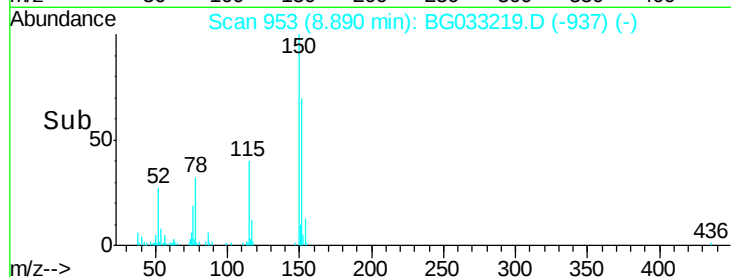
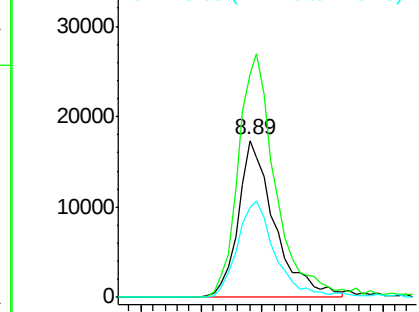
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Instrument :
BNA_G
ClientSampleId :
1483-OILY-DEBRIS

Tot Ion:152 Resp: 36641
Ion Ratio Lower Upper
152 100
150 142.4 126.6 189.8
115 57.6 53.0 79.4



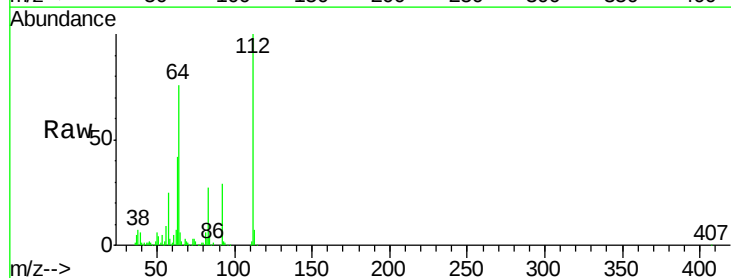
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



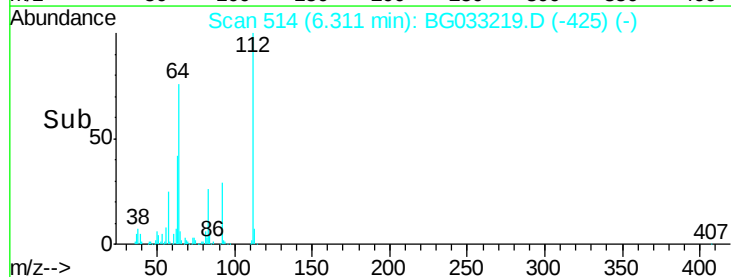
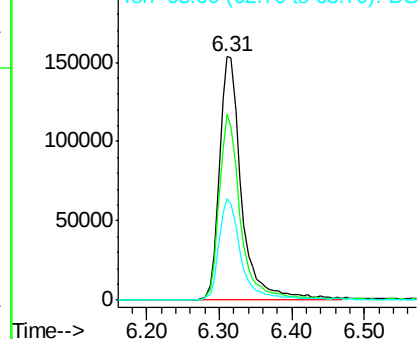
#5

2-Fluorophenol
Concen: 142.647 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Tgt Ion:112 Resp: 326701
Ion Ratio Lower Upper
112 100
64 76.5 56.3 84.5
63 41.8 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: 138.542 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

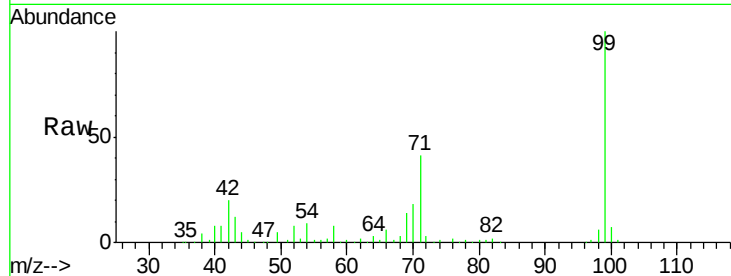
Tot Ion: 99 Resp: 442271

Ion Ratio Lower Upper

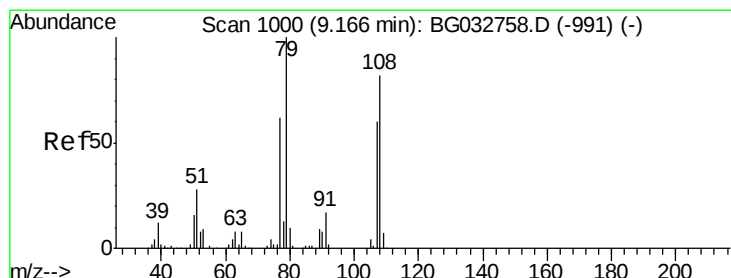
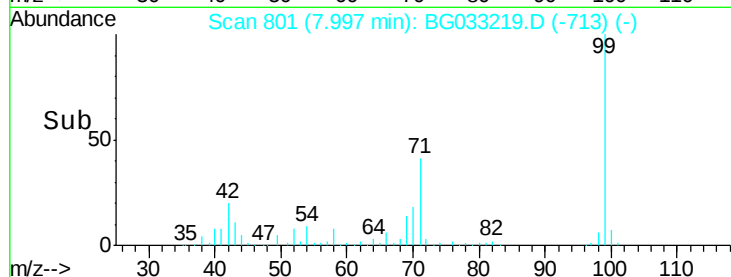
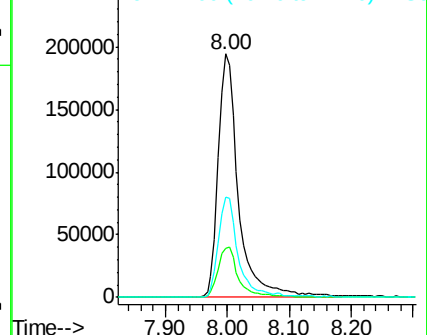
99 100

42 20.4 14.1 21.1

71 41.3 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: 2.421 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

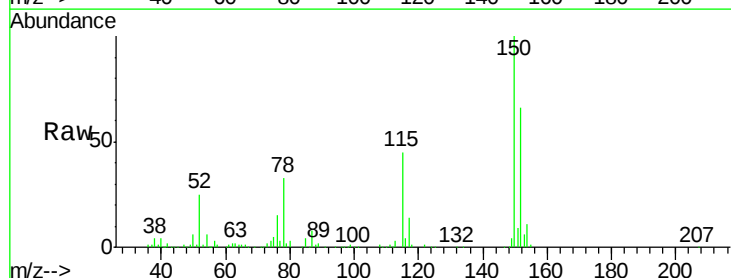
Tgt Ion: 79 Resp: 5681

Ion Ratio Lower Upper

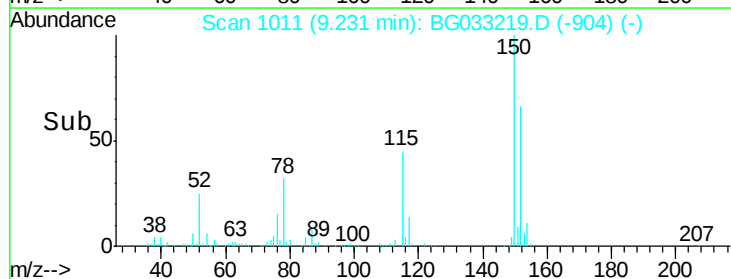
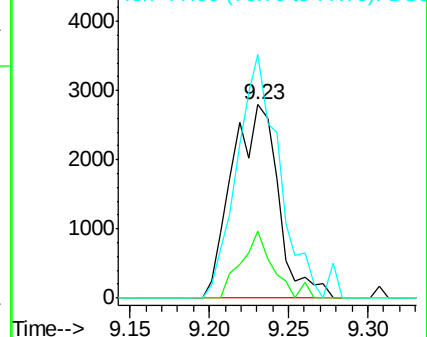
79 100

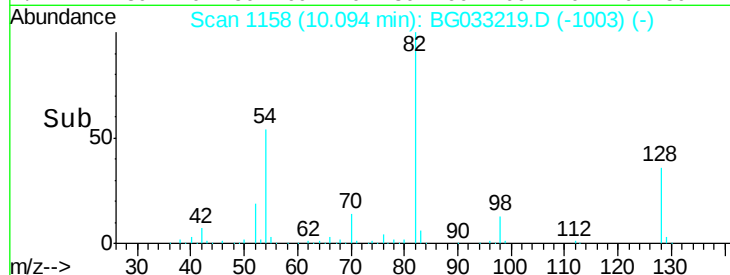
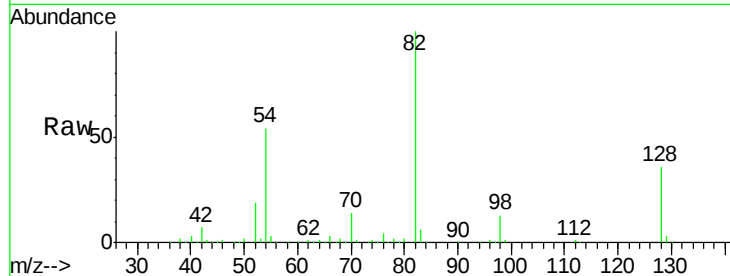
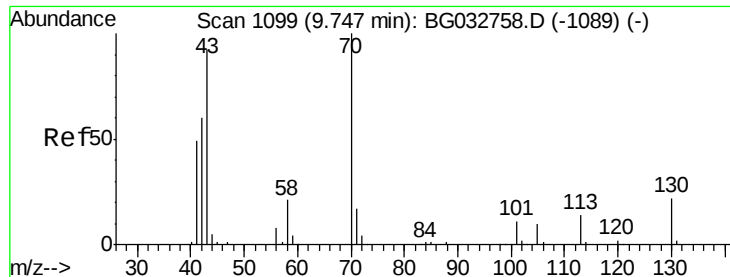
108 34.6 57.2 85.8#

77 126.1 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

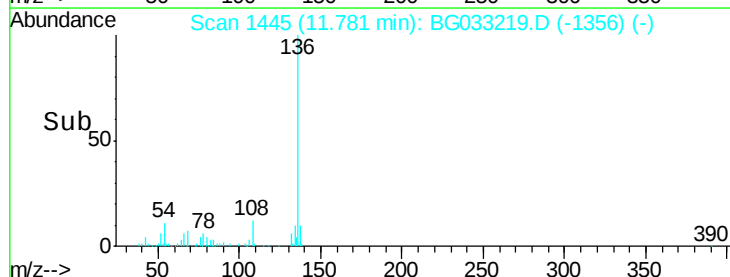
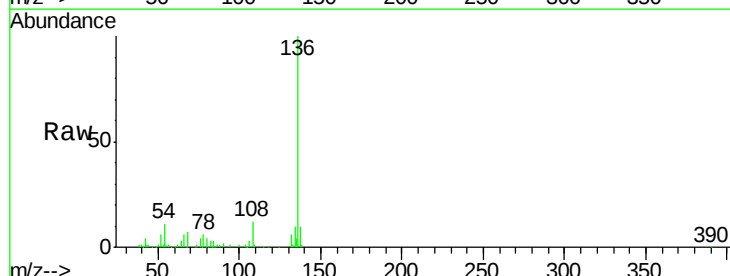
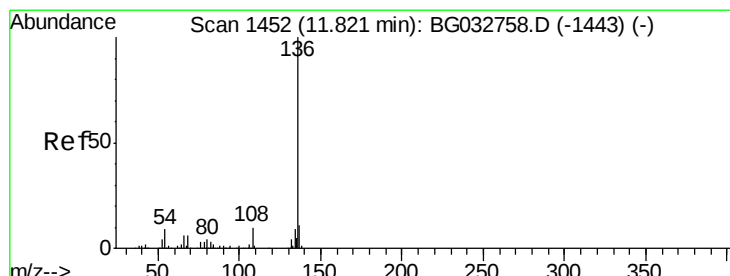
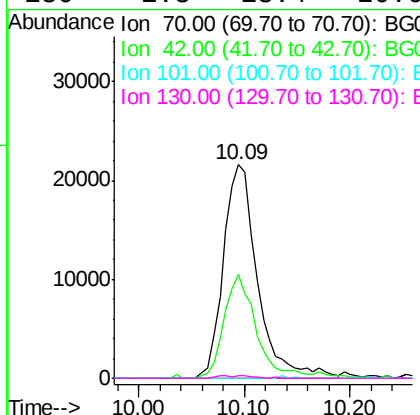




#19
n-Nitroso-di-n-propylamine
Concen: 21.396 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

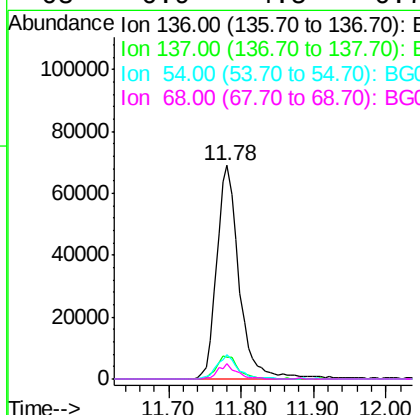
Instrument :
BNA_G
ClientSampleId :
1483-OILY-DEBRIS

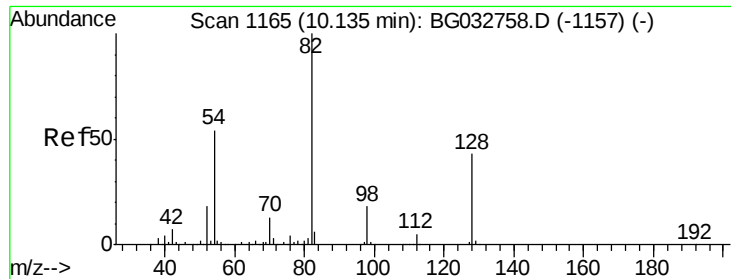
Tot Ion: 70 Resp: 48219
Ion Ratio Lower Upper
70 100
42 48.8 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Tgt Ion:136 Resp: 148268
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 11.4 10.3 15.5
68 6.9 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 150.665 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

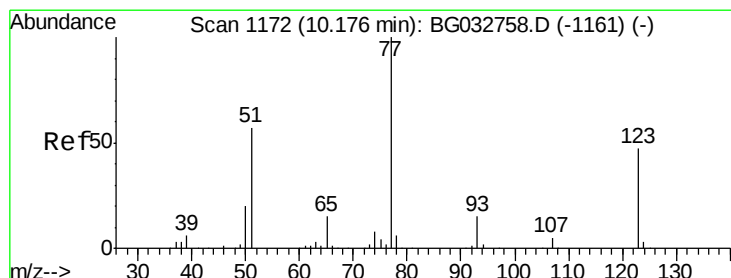
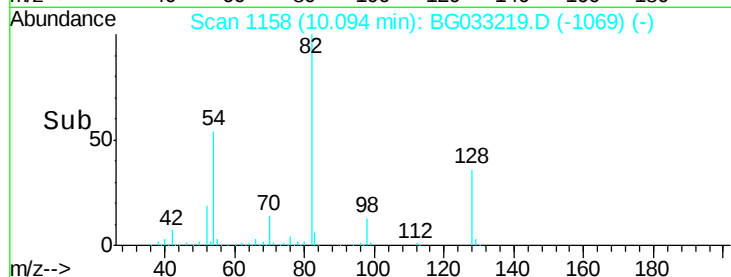
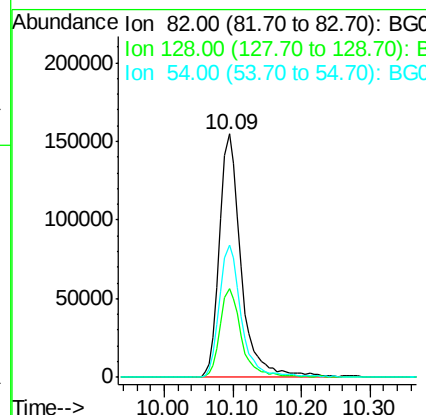
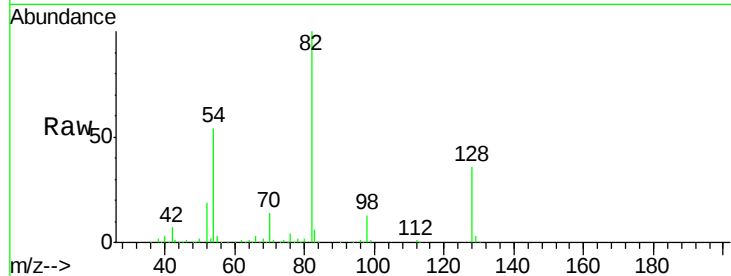
Tot Ion: 82 Resp: 340430

Ion Ratio Lower Upper

82 100

128 36.3 29.7 44.5

54 54.4 43.1 64.7



#24

Nitrobenzene

Concen: 6.800 ng

RT: 10.09 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

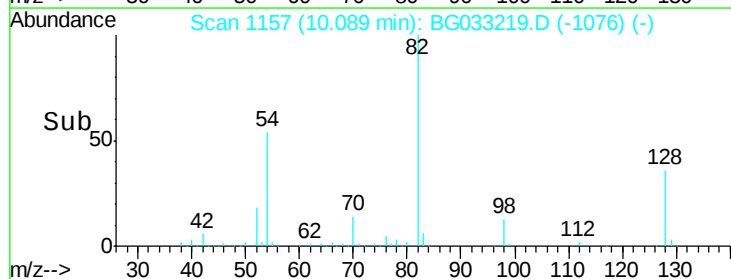
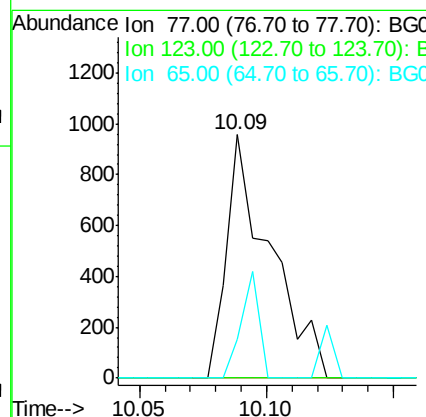
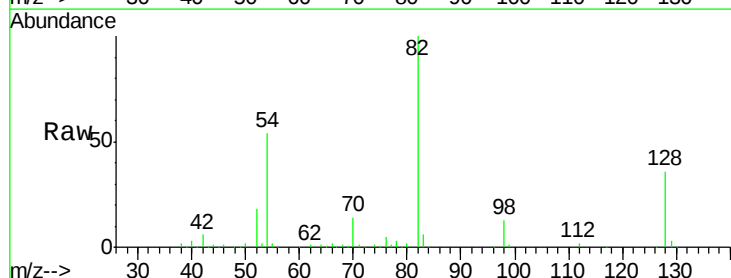
Tgt Ion: 77 Resp: 1145

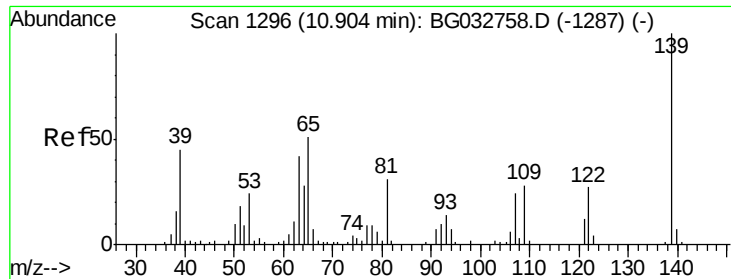
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 15.8 13.0 19.6

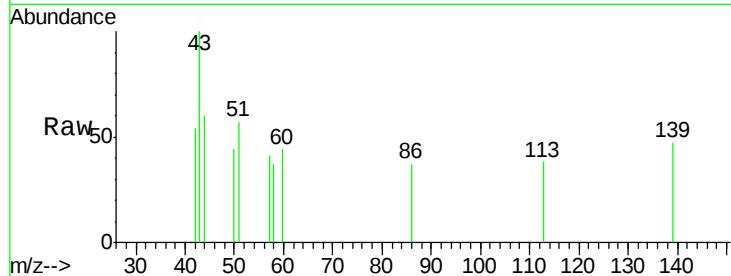




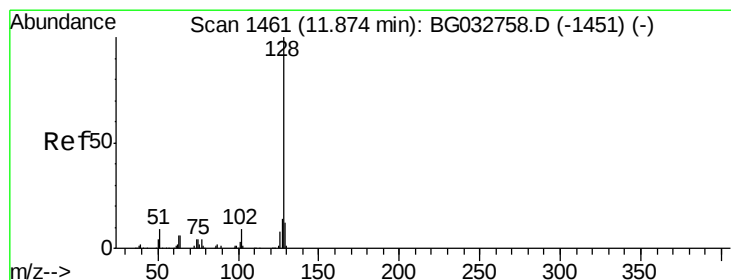
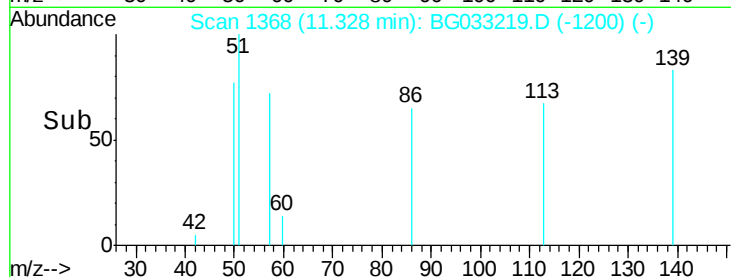
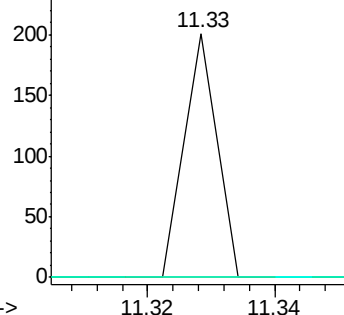
#26
2-Nitrophenol
Concen: 5.529 ng
RT: 11.33 min Scan# 1368
Delta R.T. 0.46 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Instrument :
BNA_G
ClientSampleId :
1483-OILY-DEBRIS

Tot Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 0.0 24.2 36.2#
65 0.0 47.4 71.0#

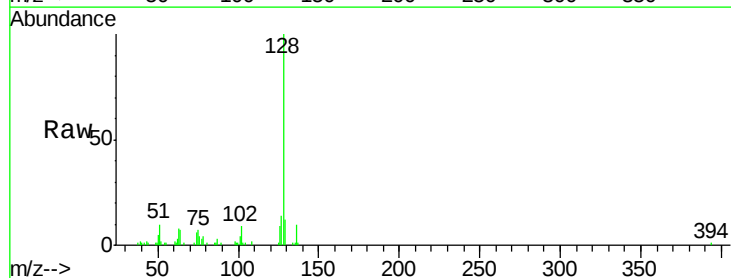


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

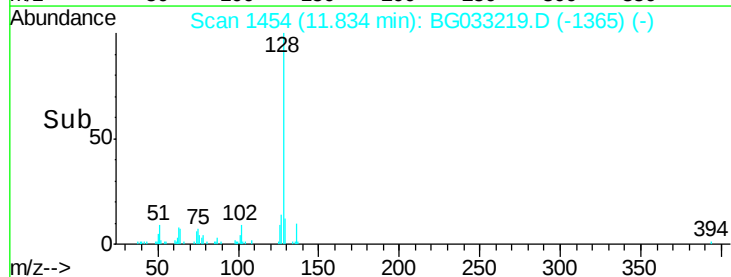
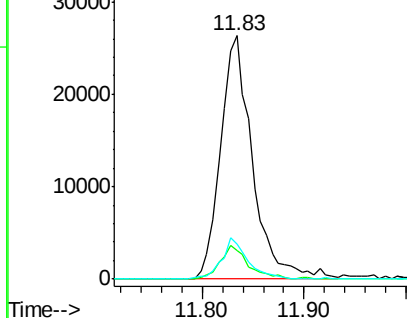


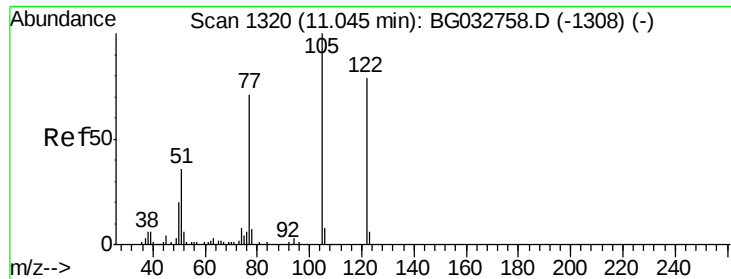
#31
Naphthalene
Concen: 7.433 ng
RT: 11.83 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Tgt Ion:128 Resp: 57584
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 14.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 5.876 ng

RT: 10.92 min Scan# 1299

Delta R.T. -0.05 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

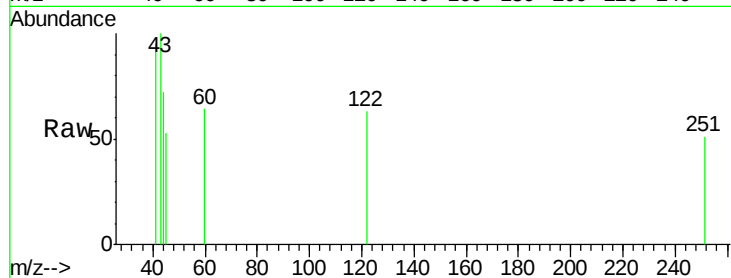
Tot Ion:122 Resp: 71

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

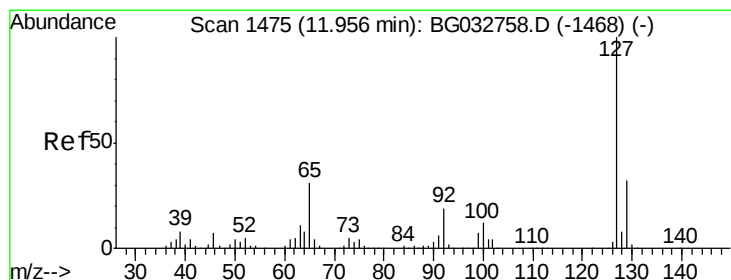
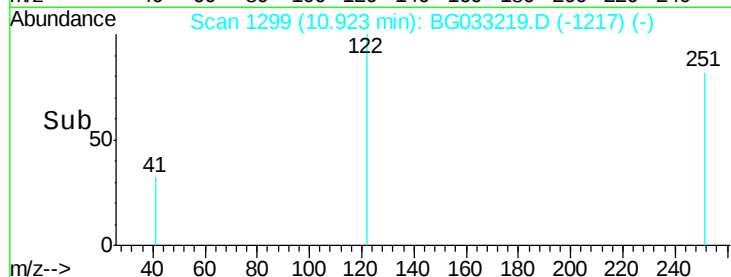
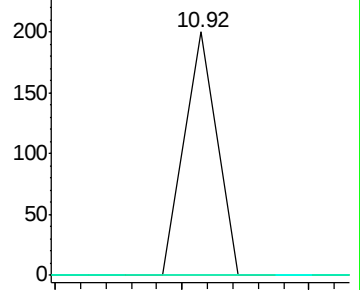
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 2.269 ng

RT: 11.83 min Scan# 1453

Delta R.T. -0.10 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Tgt Ion:127 Resp: 7861

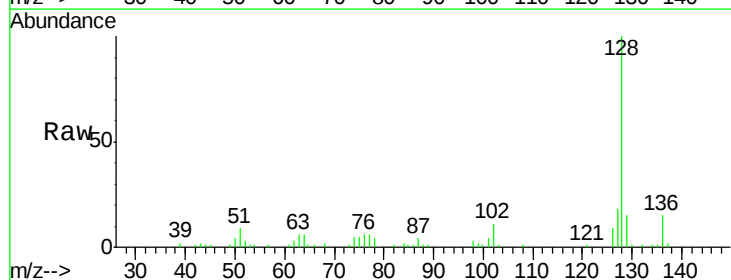
Ion Ratio Lower Upper

127 100

129 82.1 24.0 36.0#

65 4.8 27.0 40.4#

92 0.0 16.6 25.0#

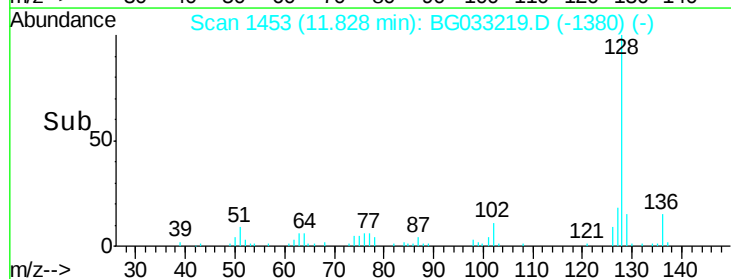
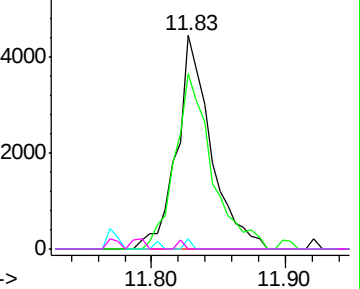


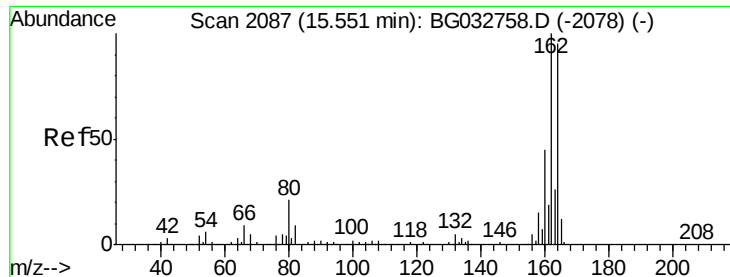
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

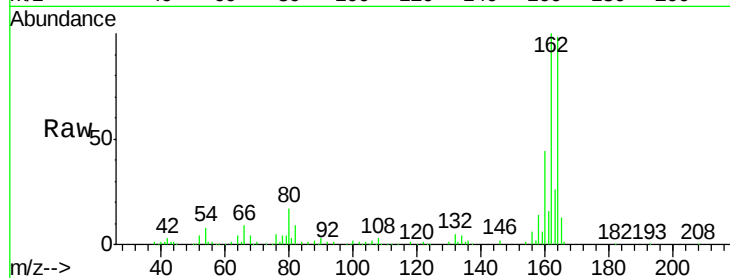
Tot Ion:164 Resp: 107405

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

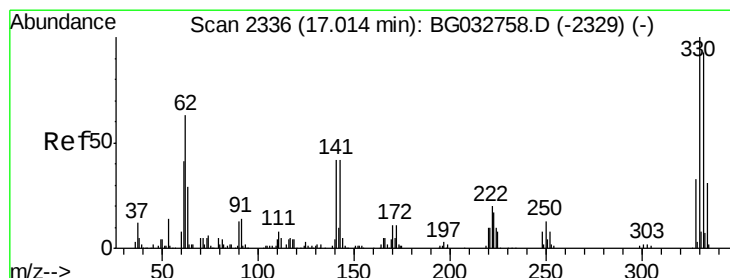
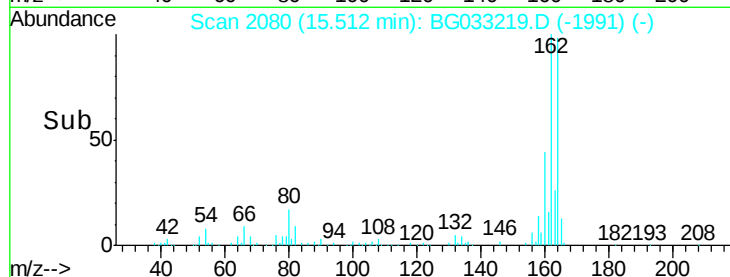
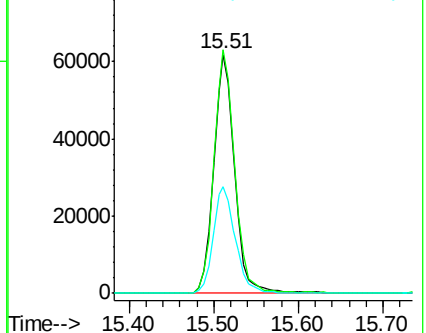
160 45.0 35.4 53.0



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: 256.615 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

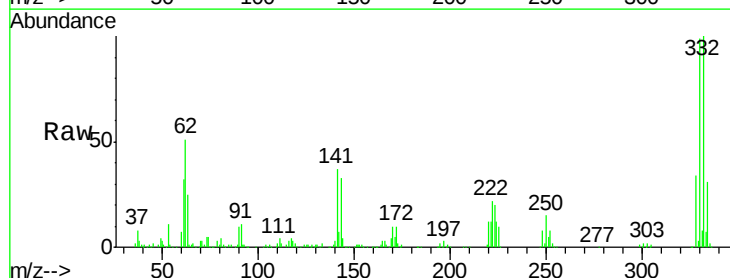
Tgt Ion:330 Resp: 289802

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

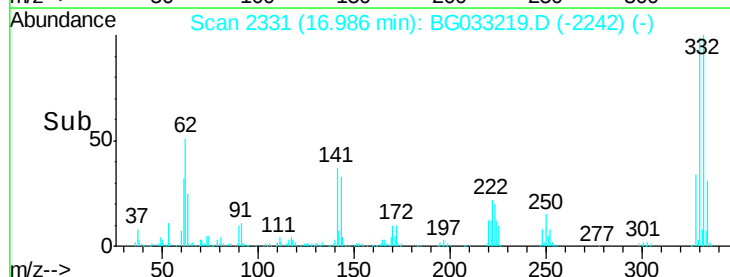
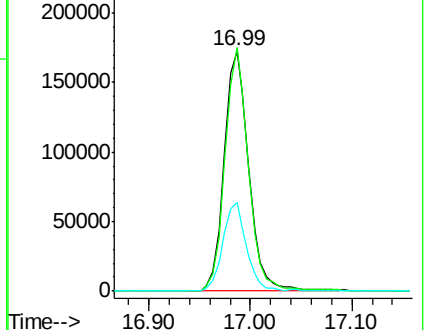
141 35.3 25.2 37.8

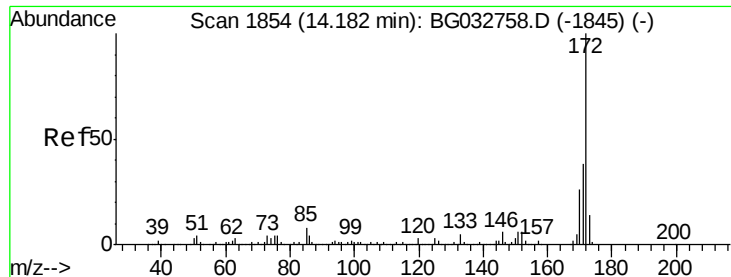


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

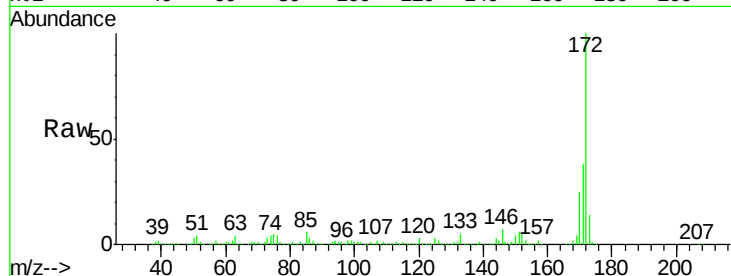




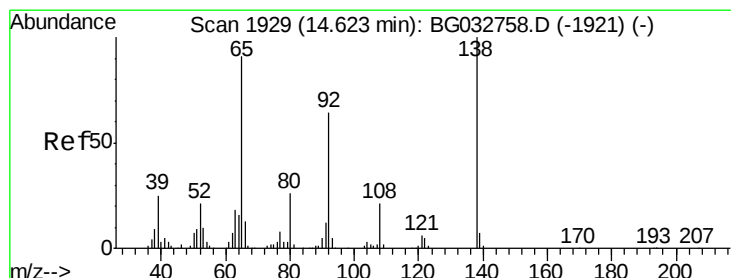
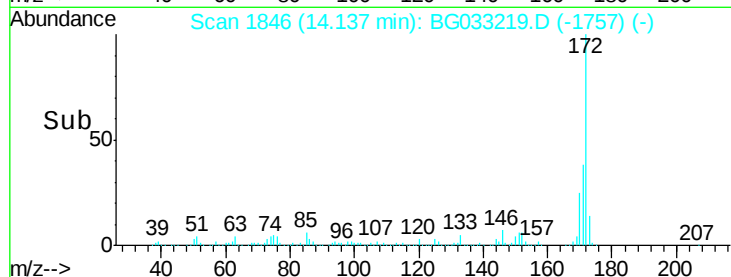
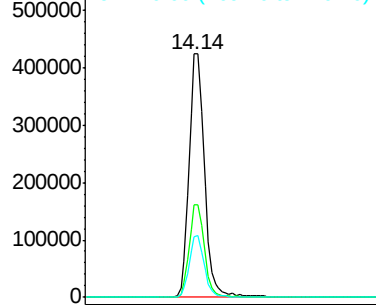
#44
2-Fluorobiphenyl
Concen: 103.886 ng
RT: 14.14 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Instrument :
BNA_G
ClientSampleId :
1483-OILY-DEBRIS

Tot Ion:172 Resp: 773646
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 24.8 19.5 29.3

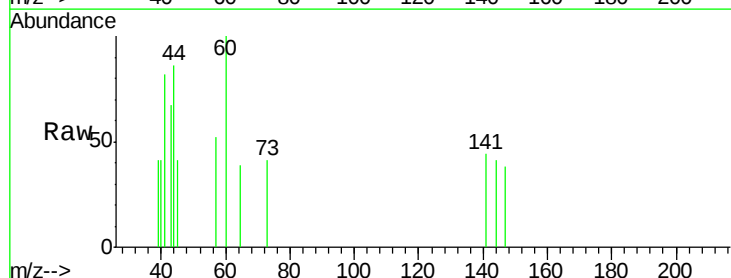


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

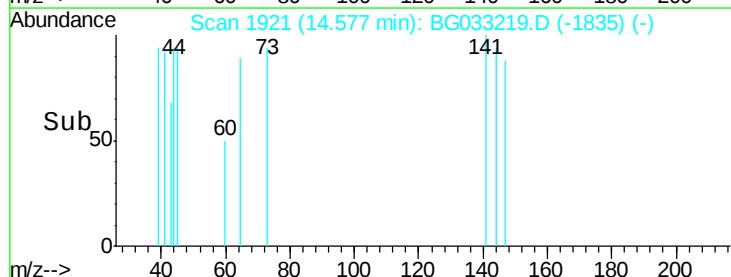
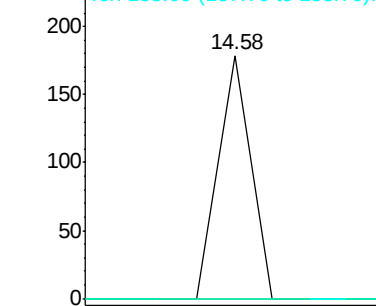


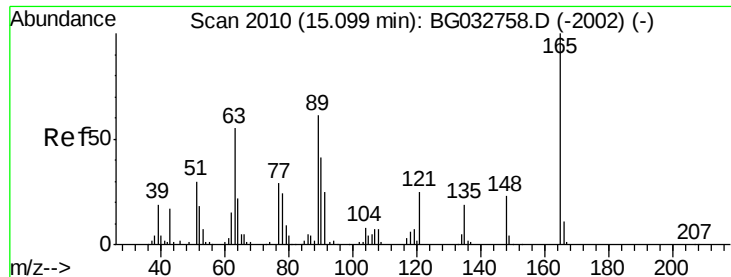
#47
2-Nitroaniline
Concen: 9.864 ng
RT: 14.58 min Scan# 1921
Delta R.T. -0.02 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Tgt Ion: 65 Resp: 63
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



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

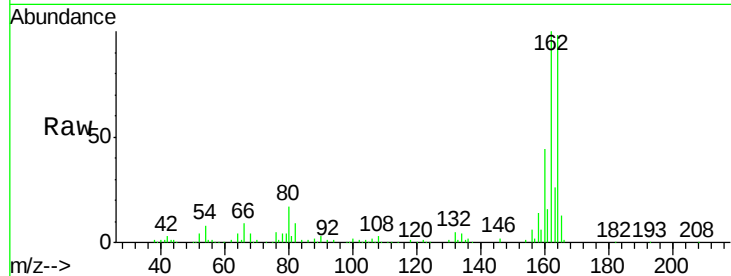




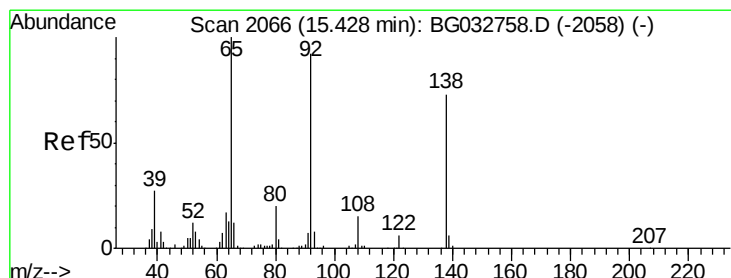
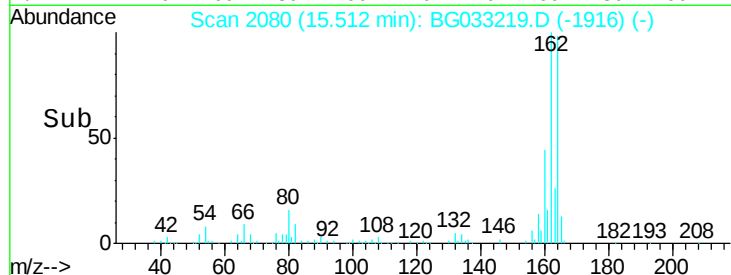
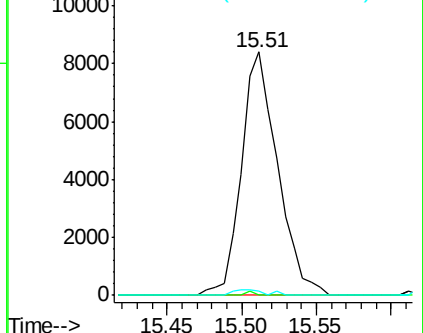
#50
 2,6-Dinitrotoluene
 Concen: 16.503 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.43 min
 Lab File: BG033219.D
 Acq: 17 Mar 2018 5:37

Instrument :
 BNA_G
 ClientSampleId :
 1483-OILY-DEBRIS

Tot Ion:165 Resp: 14092
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#

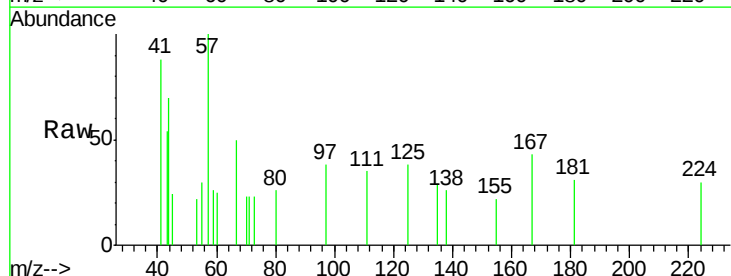


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

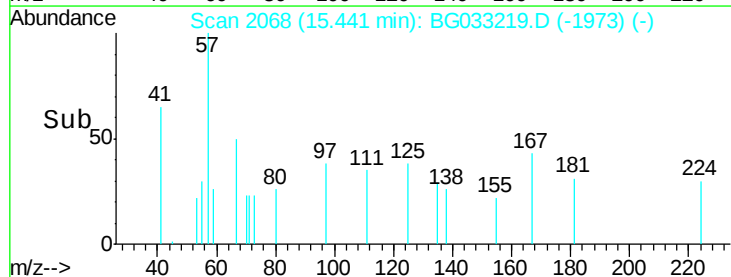
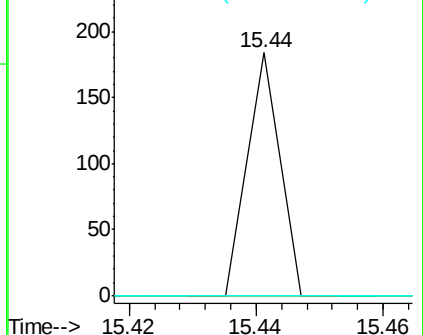


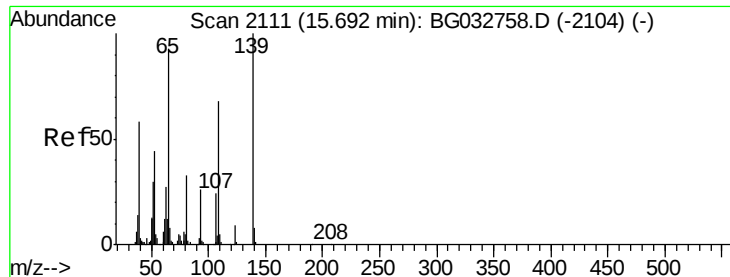
#52
 3-Nitroaniline
 Concen: 7.573 ng
 RT: 15.44 min Scan# 2068
 Delta R.T. 0.03 min
 Lab File: BG033219.D
 Acq: 17 Mar 2018 5:37

Tgt 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

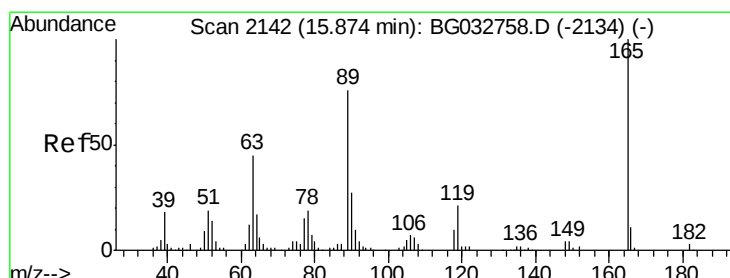
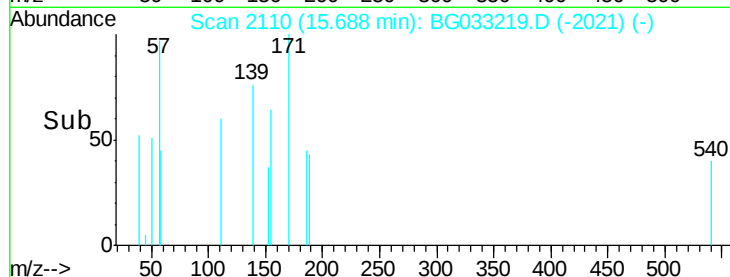
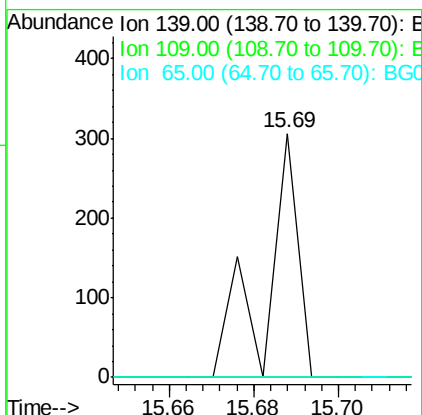
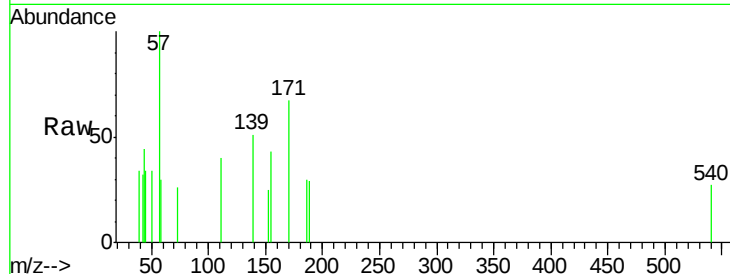




#55
4-Nitrophenol
Concen: 7.179 ng
RT: 15.69 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

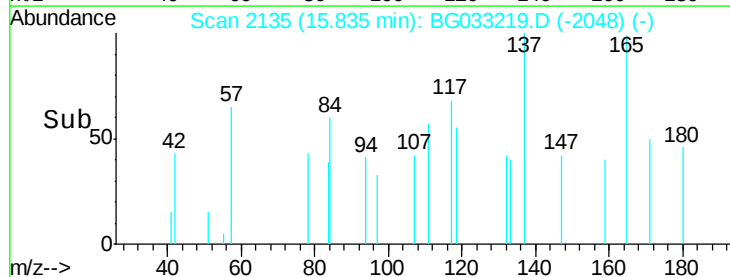
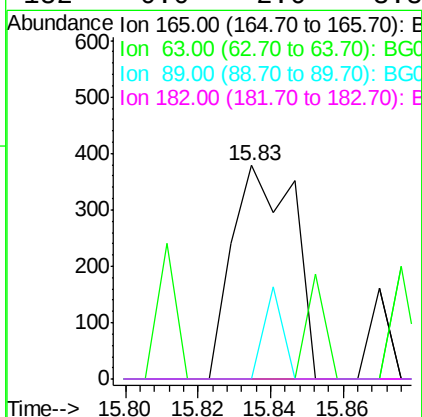
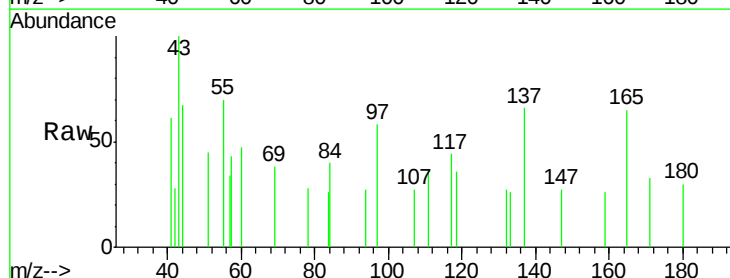
Instrument :
BNA_G
ClientSampleId :
1483-OILY-DEBRIS

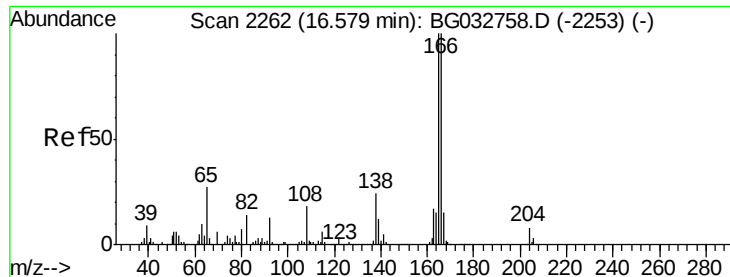
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



#56
2,4-Dinitrotoluene
Concen: 7.057 ng
RT: 15.83 min Scan# 2135
Delta R.T. -0.02 min
Lab File: BG033219.D
Acq: 17 Mar 2018 5:37

Tgt 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#





#61

4-Nitroaniline

Concen: 5.326 ng

RT: 16.80 min Scan# 2300

Delta R.T. 0.24 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

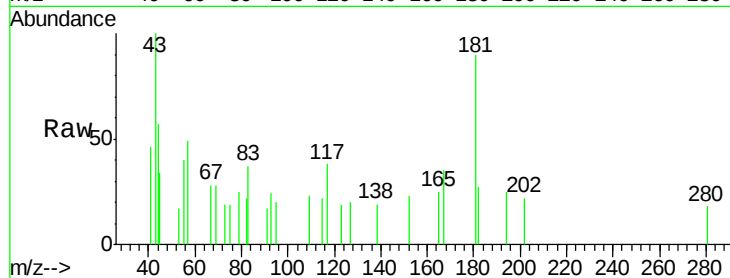
Tot Ion:138 Resp: 58

Ion Ratio Lower Upper

138 100

92 0.0 40.1 80.1#

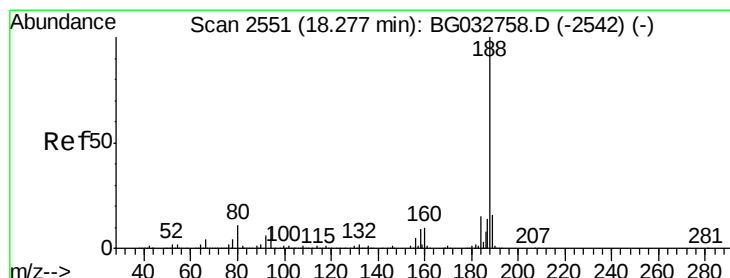
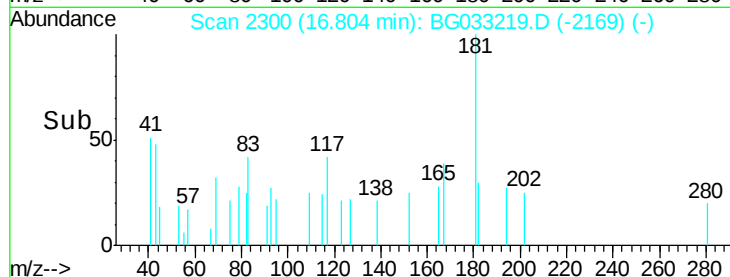
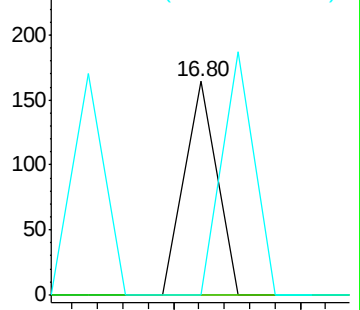
108 0.0 65.4 105.4#



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: BG033219.D

Acq: 17 Mar 2018 5:37

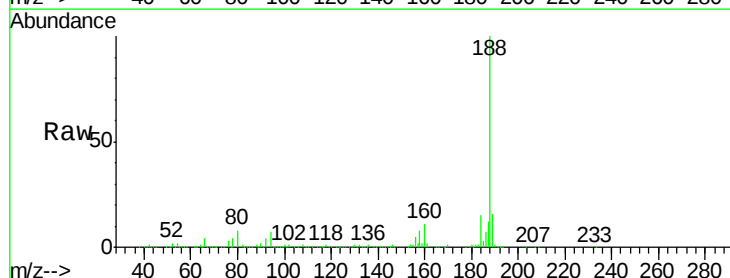
Tgt Ion:188 Resp: 317394

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

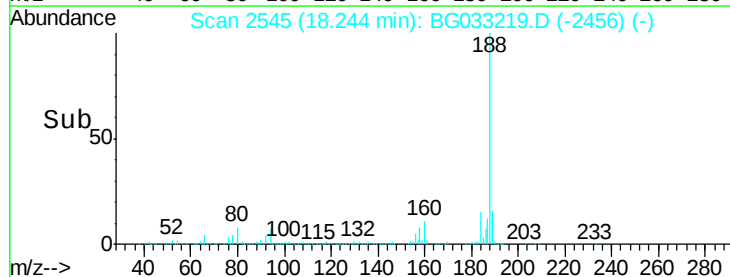
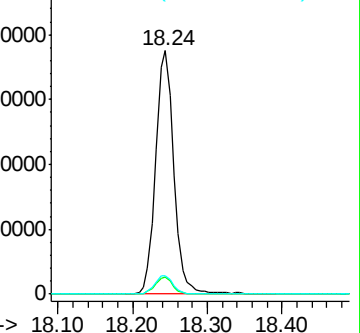
80 7.7 7.7 11.5

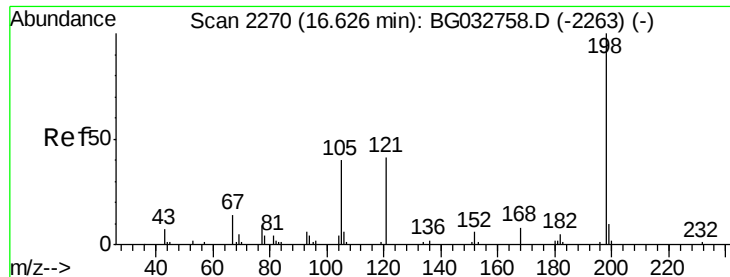


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.048 ng

RT: 16.44 min Scan# 2238

Delta R.T. -0.17 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

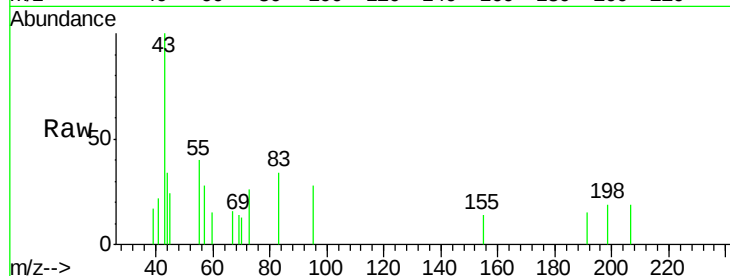
Tot Ion:198 Resp: 75

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

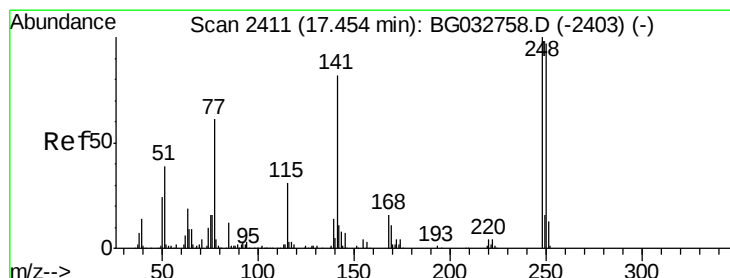
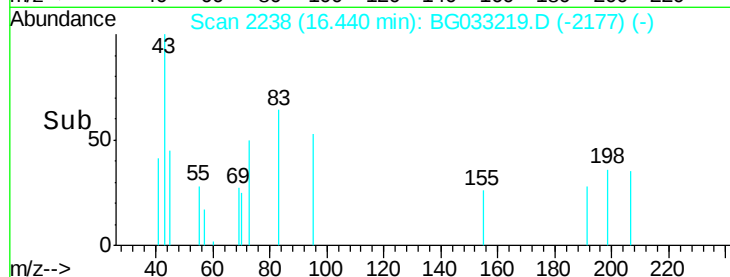
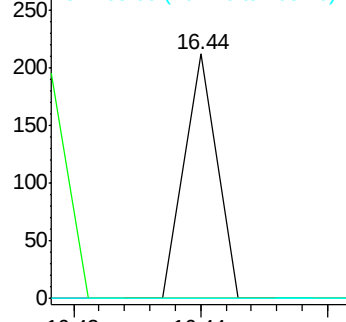
105 0.0 23.8 63.8#



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



#66

4-Bromophenyl-phenylether

Concen: 6.580 ng

RT: 16.99 min Scan# 2331

Delta R.T. -0.43 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

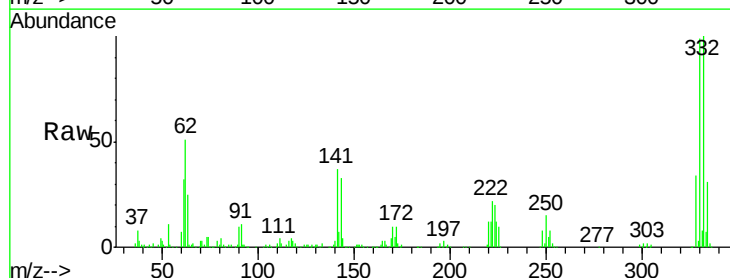
Tgt Ion:248 Resp: 22082

Ion Ratio Lower Upper

248 100

250 195.0 77.1 115.7#

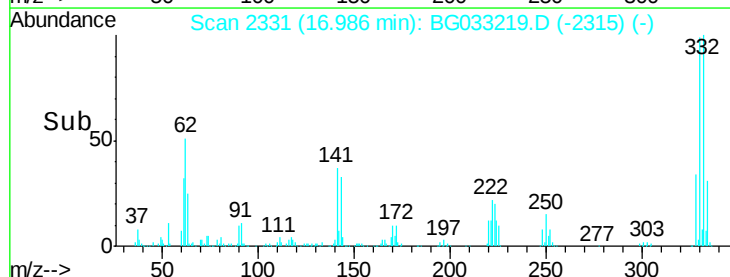
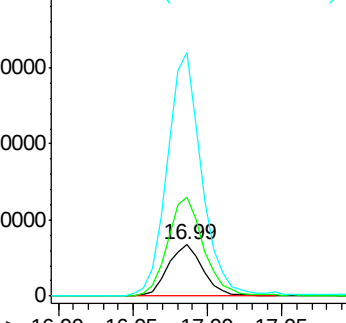
141 477.4 50.8 76.2#

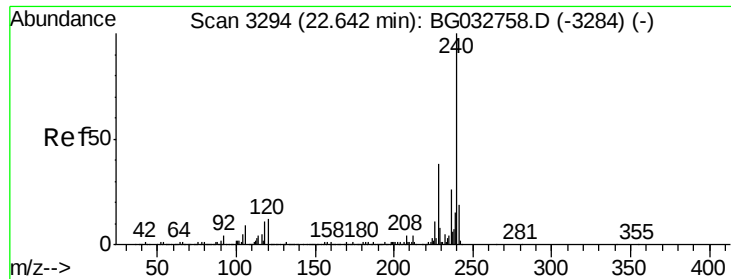


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

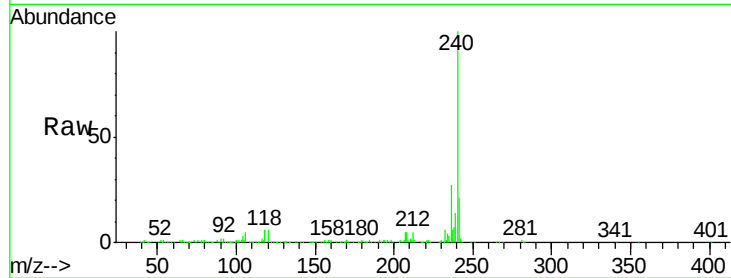
Tot Ion:240 Resp: 343452

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

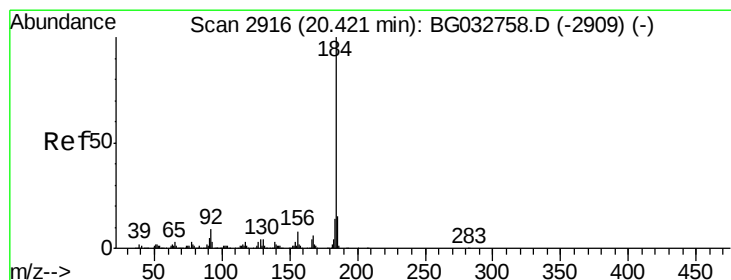
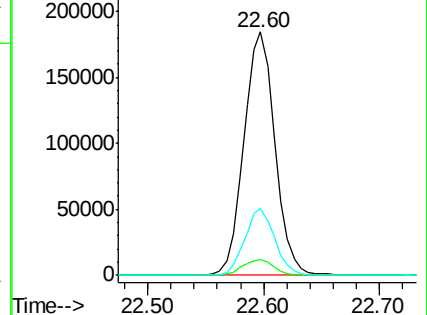
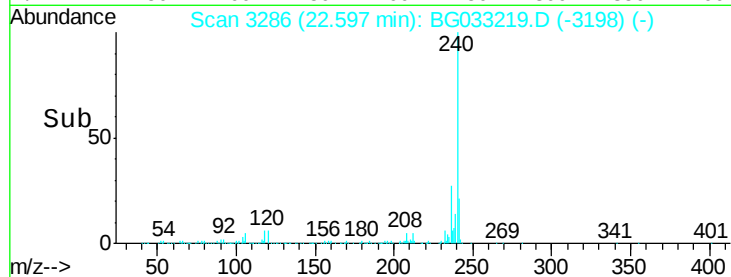
236 27.3 20.9 31.3



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: 2.345 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

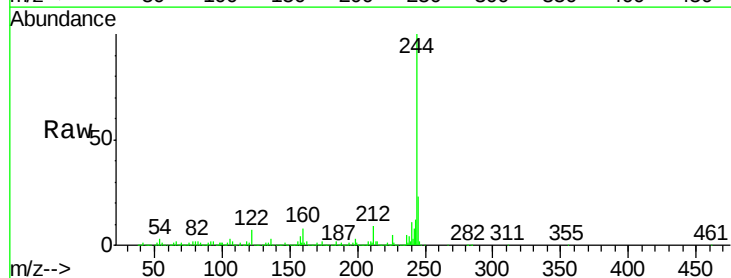
Tgt Ion:184 Resp: 27451

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

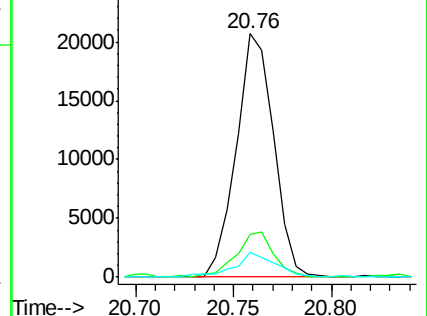
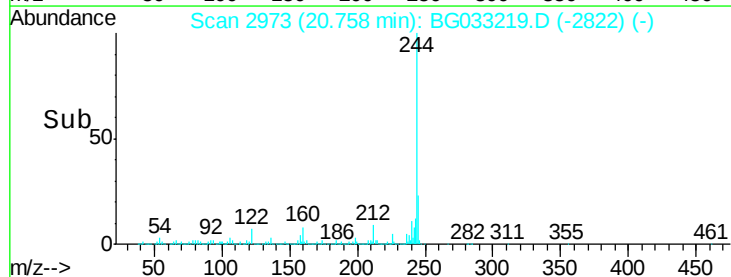
183 10.1 10.6 16.0#

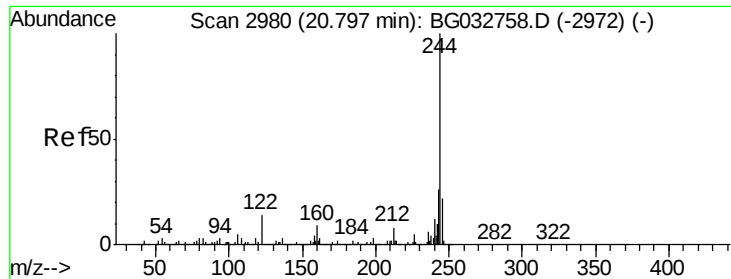


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.981 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

Instrument :

BNA_G

ClientSampleId :

1483-OILY-DEBRIS

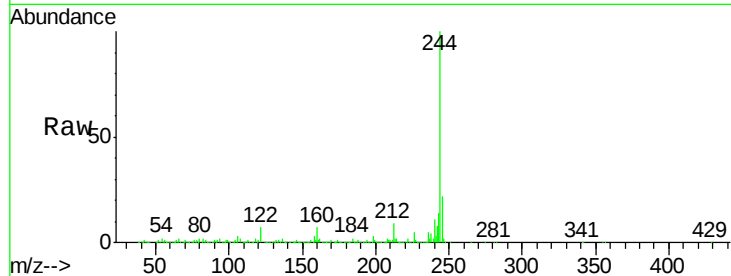
Tot Ion:244 Resp: 1665967

Ion Ratio Lower Upper

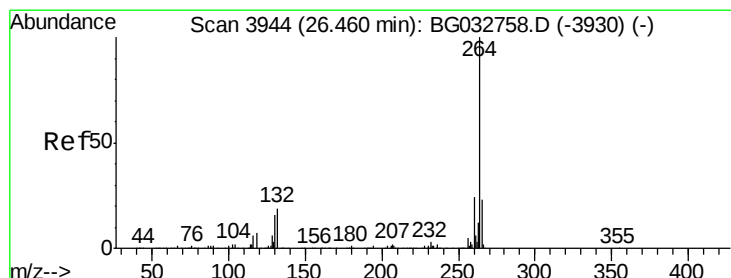
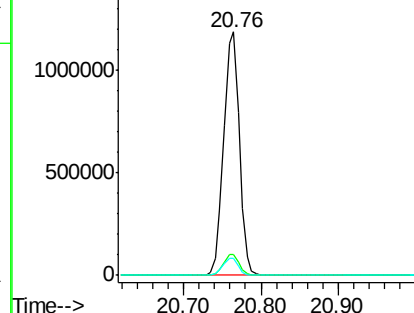
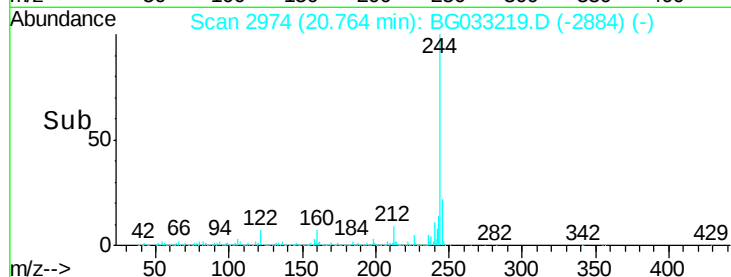
244 100

212 8.8 5.8 8.8#

122 6.8 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# 3933

Delta R.T. -0.01 min

Lab File: BG033219.D

Acq: 17 Mar 2018 5:37

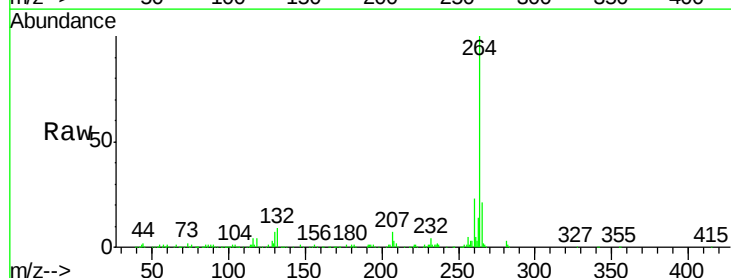
Tgt Ion:264 Resp: 364016

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 20.5 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

