

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033224.D
 Acq On : 17 Mar 2018 8:45
 Operator : SJ/JU
 Sample : J1931-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1509-12-OILY-DEBRIS

Quant Time: Mar 19 02:25:52 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

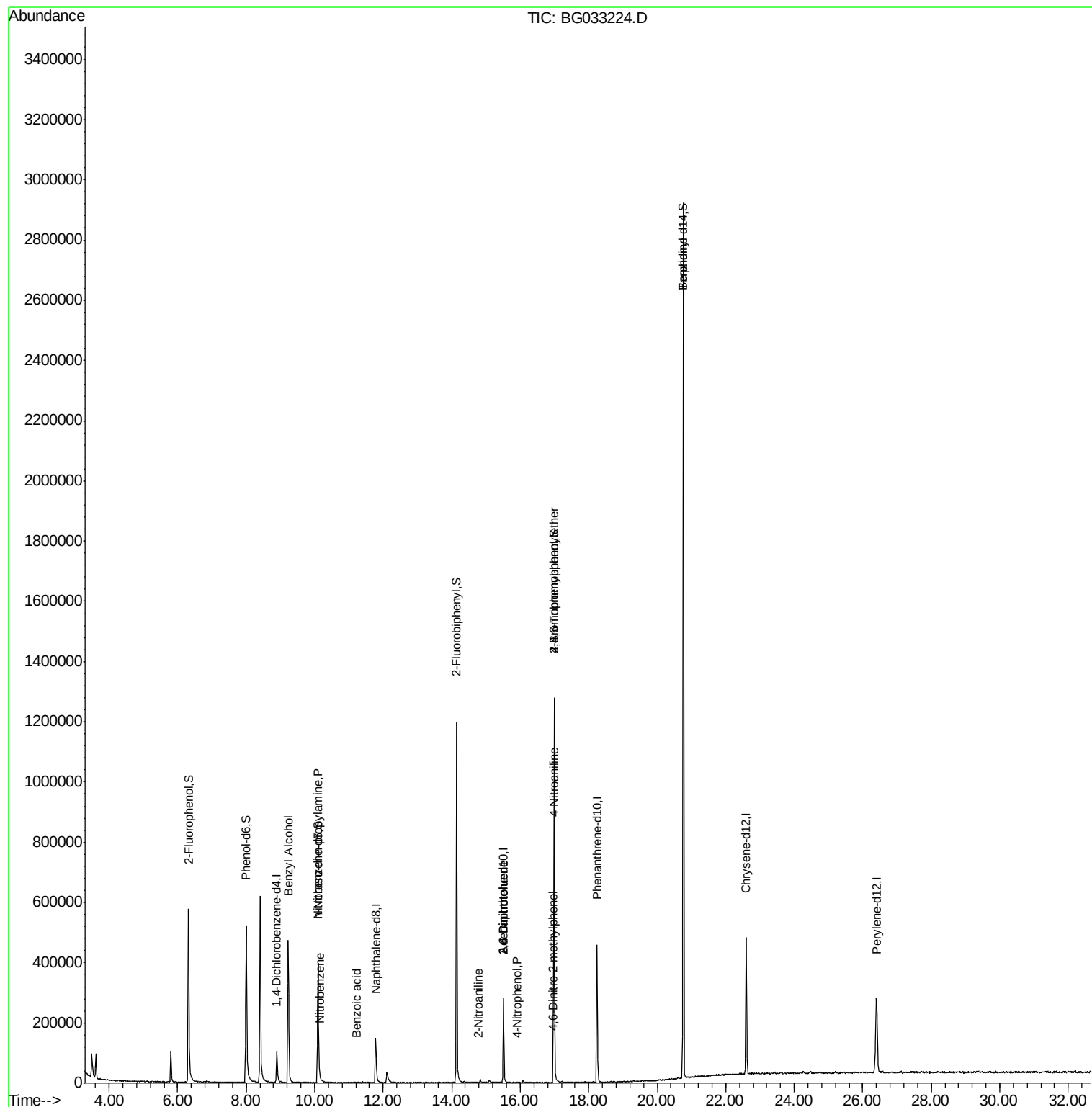
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	36908	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	145209	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	107794	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	314608	20.00	ng	0.00
75) Chrysene-d12	22.60	240	332111	20.00	ng	-0.01
86) Perylene-d12	26.40	264	350939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	293027	127.02	ng	0.00
7) Phenol-d6	8.00	99	398737	124.00	ng	-0.01
23) Nitrobenzene-d5	10.09	82	299862	136.50	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	263064	232.10	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	691582	92.53	ng	0.00
78) Terphenyl-d14	20.76	244	1441852	97.54	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.22	79	5270	2.229	ng	# 56
19) n-Nitroso-di-n-propylamine	10.09	70	42330	18.647	ng	# 80
24) Nitrobenzene	10.14	77	66	6.405	ng	# 42
32) Benzoic acid	11.22	122	122	5.923	ng	# 1
47) 2-Nitroaniline	14.79	65	59	9.862	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	14850	16.883	ng	# 19
55) 4-Nitrophenol	15.92	139	179	7.189	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14850	15.083	ng	# 17
61) 4-Nitroaniline	16.97	138	69	5.331	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.95	198	54	5.020	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	20412	6.136	ng	# 1
76) Benzidine	20.76	184	24047	2.124	ng	# 89

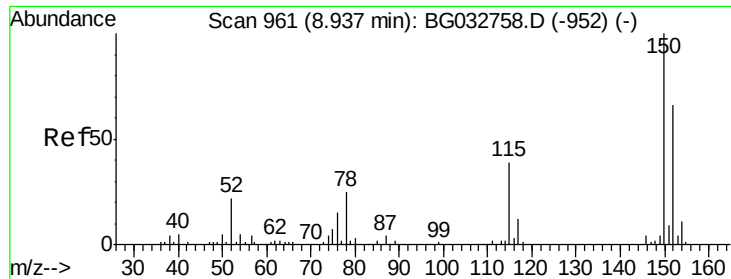
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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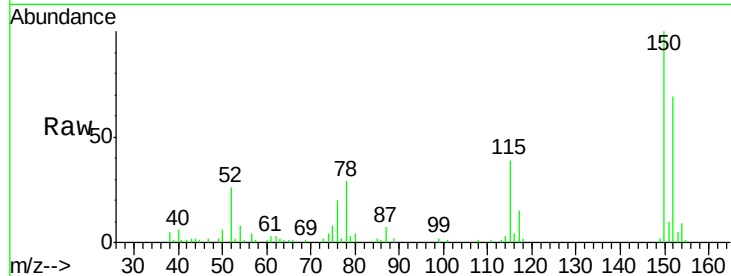


#1

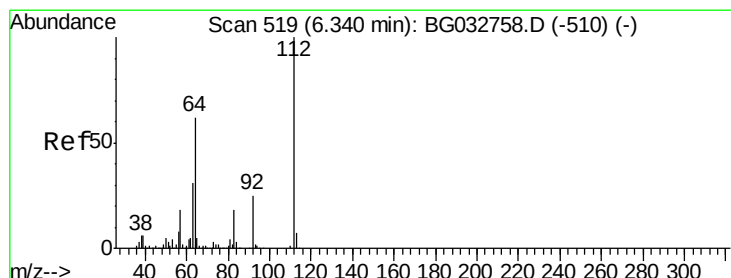
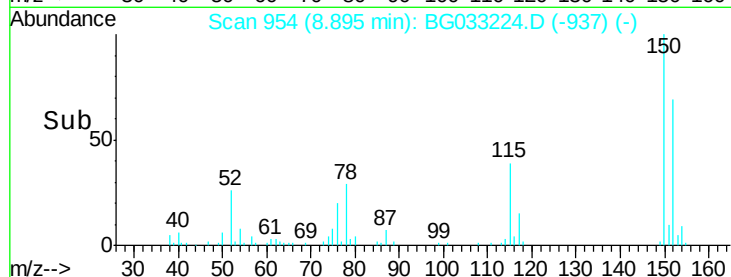
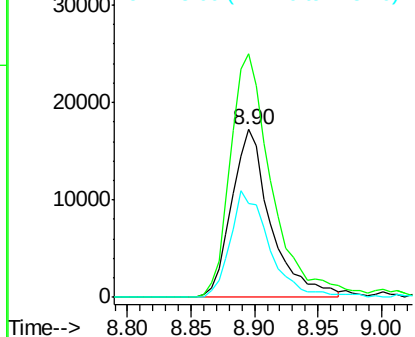
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

Instrument :
BNA_G
ClientSampleId :
1509-12-OILY-DEBRIS

Tot Ion:152 Resp: 36908
Ion Ratio Lower Upper
152 100
150 145.0 126.6 189.8
115 56.1 53.0 79.4



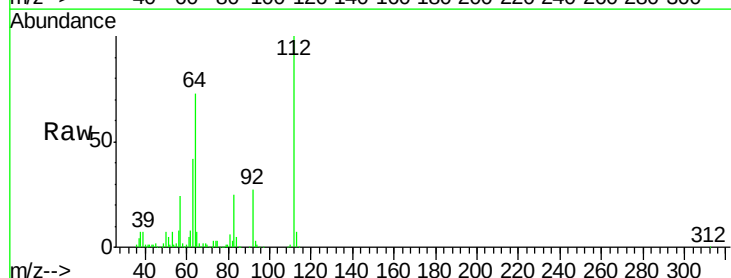
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



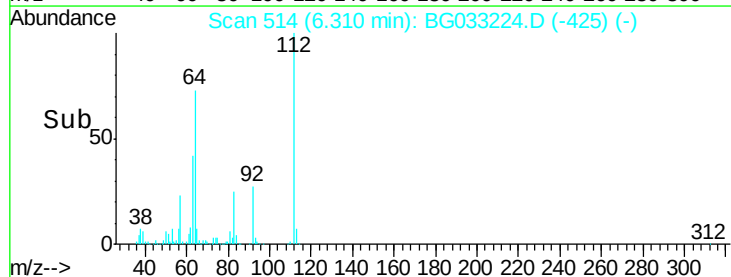
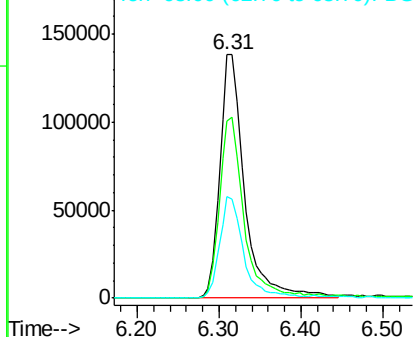
#5

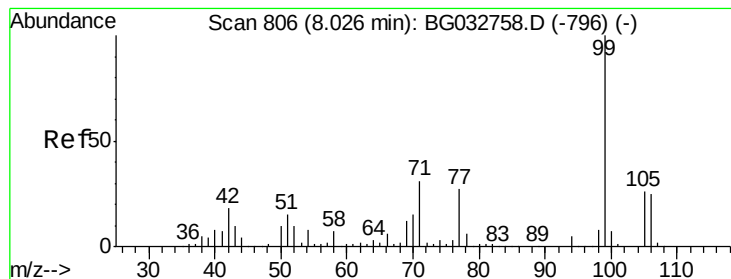
2-Fluorophenol
Concen: 127.019 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

Tgt Ion:112 Resp: 293027
Ion Ratio Lower Upper
112 100
64 72.9 56.3 84.5
63 41.7 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: 124.002 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

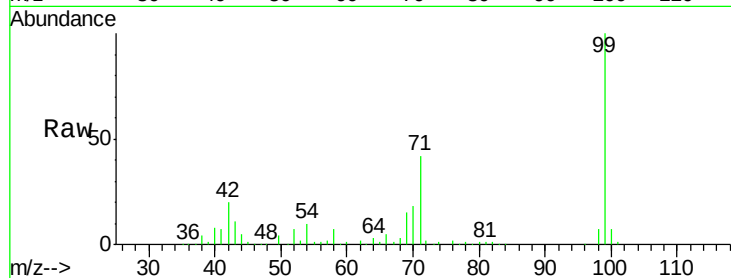
Tot Ion: 99 Resp: 398737

Ion Ratio Lower Upper

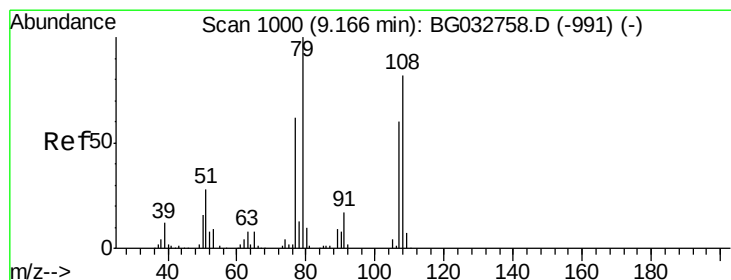
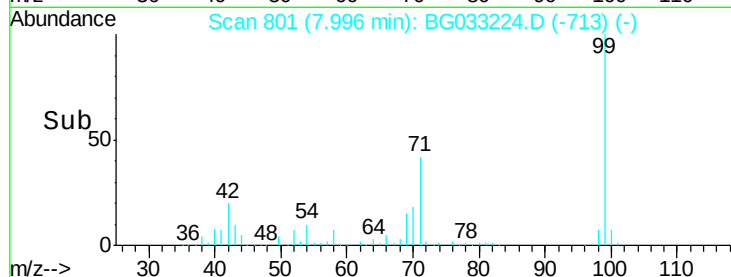
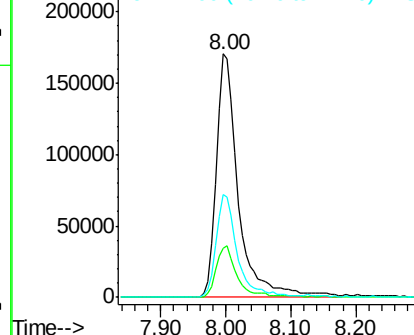
99 100

42 20.0 14.1 21.1

71 42.4 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: 2.229 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

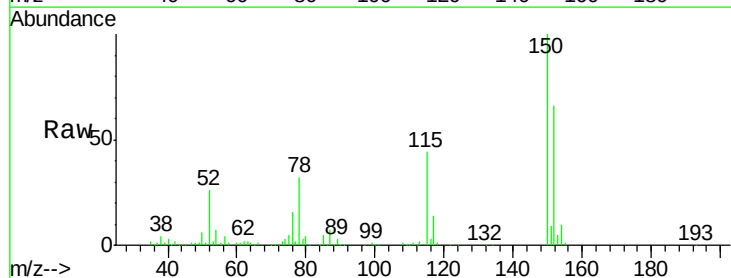
Tgt Ion: 79 Resp: 5270

Ion Ratio Lower Upper

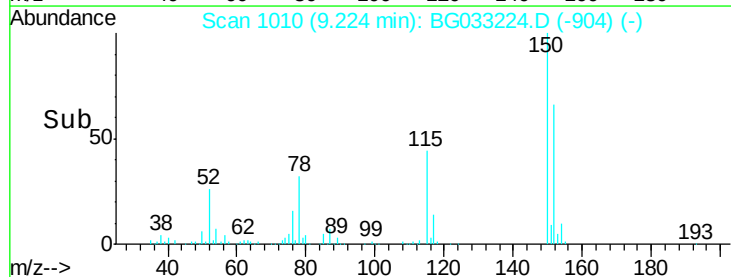
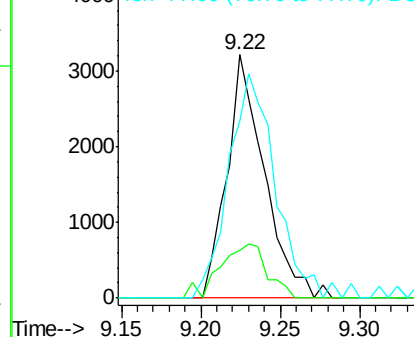
79 100

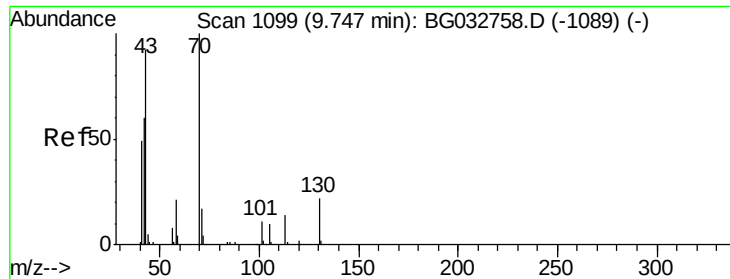
108 19.6 57.2 85.8#

77 72.8 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

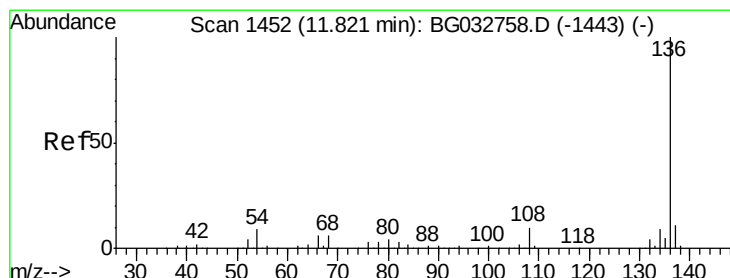
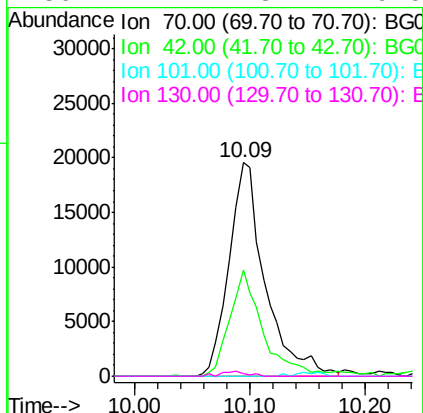
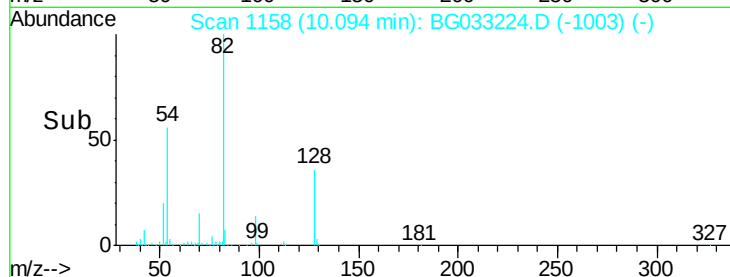
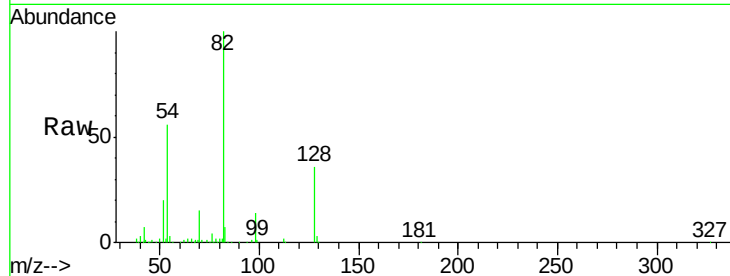




#19
n-Nitroso-di-n-propylamine
Concen: 18.647 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

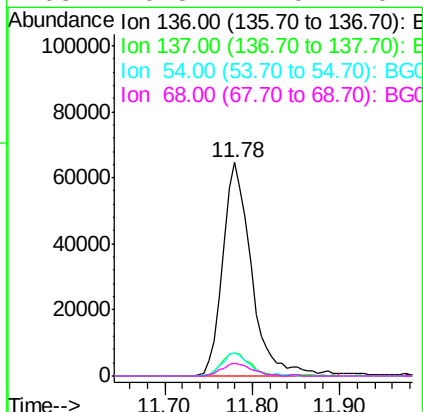
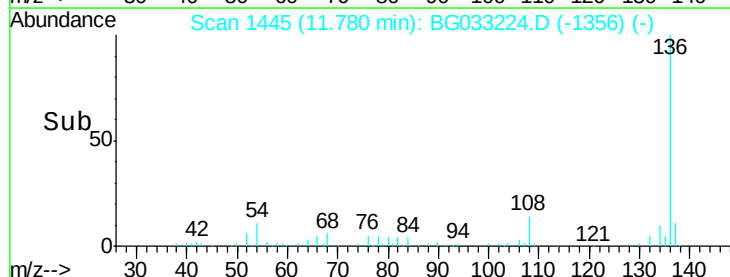
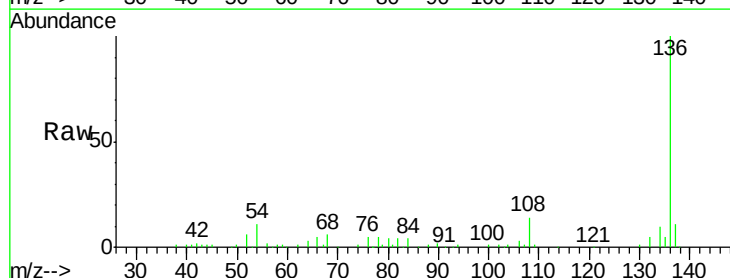
Instrument :
BNA_G
ClientSampleId :
1509-12-OILY-DEBRIS

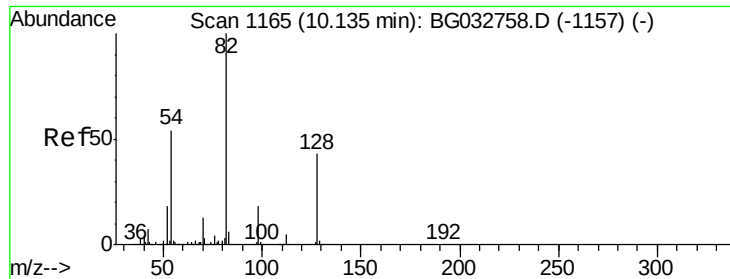
Tot Ion: 70 Resp: 42330
Ion Ratio Lower Upper
70 100
42 49.9 49.1 73.7
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

Tgt Ion: 136 Resp: 145209
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 10.8 10.3 15.5
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 136.504 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

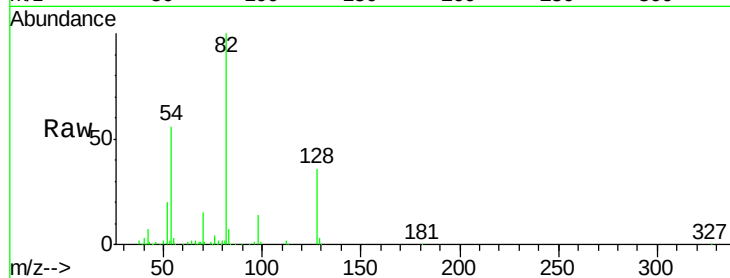
Tot Ion: 82 Resp: 299862

Ion Ratio Lower Upper

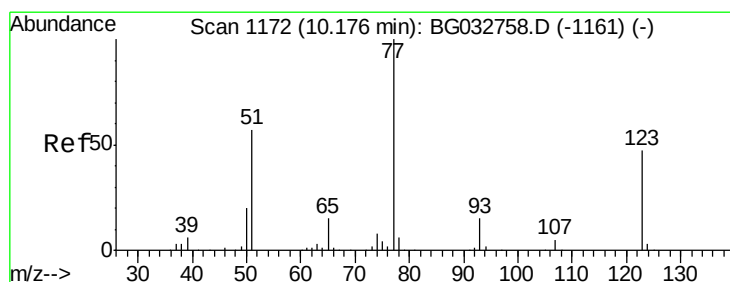
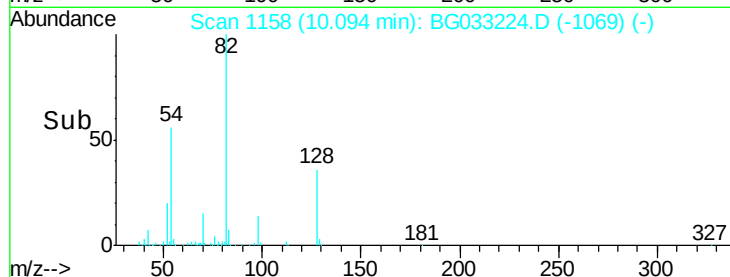
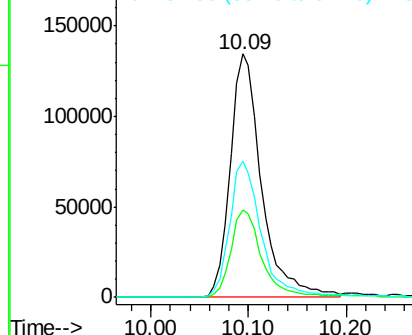
82 100

128 35.7 29.7 44.5

54 56.1 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# 1166

Delta R.T. -0.00 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

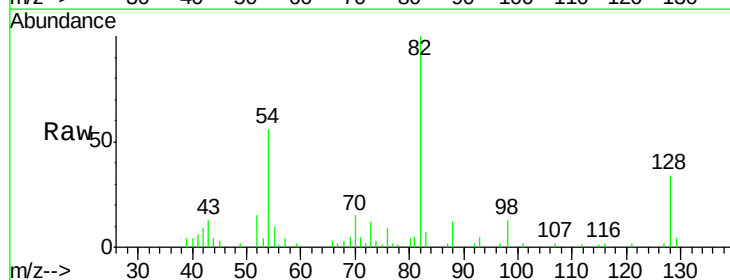
Tgt Ion: 77 Resp: 66

Ion Ratio Lower Upper

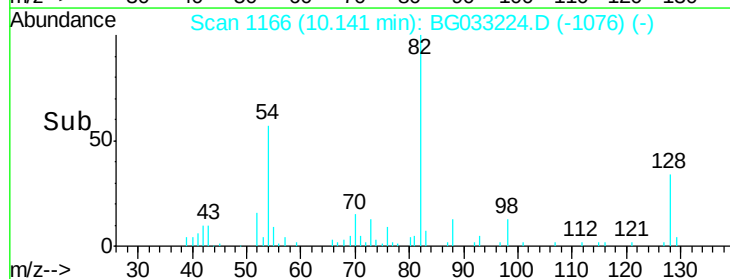
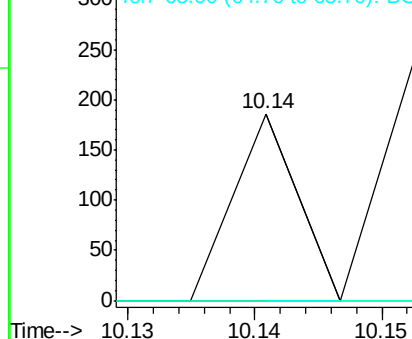
77 100

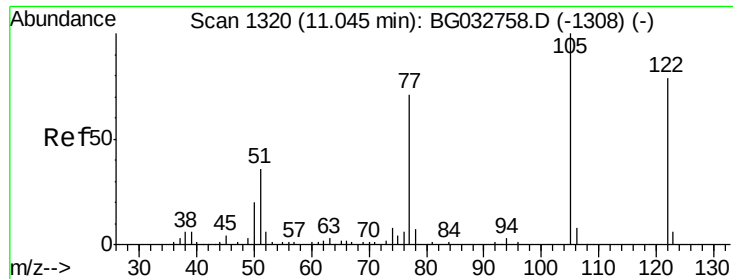
123 0.0 33.0 49.6#

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: 5.923 ng

RT: 11.22 min Scan# 1350

Delta R.T. 0.25 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

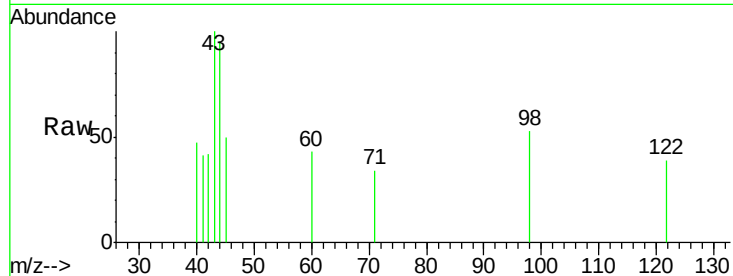
Tot Ion:122 Resp: 122

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

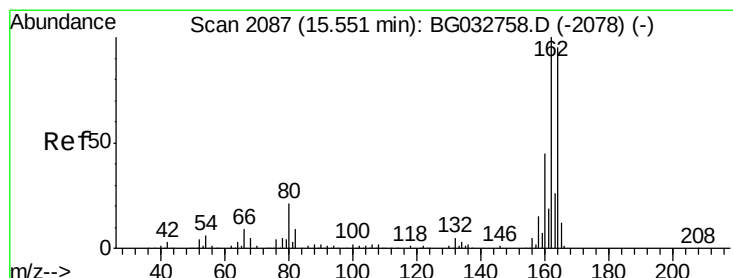
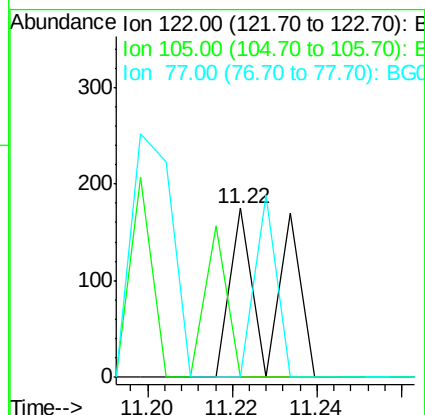
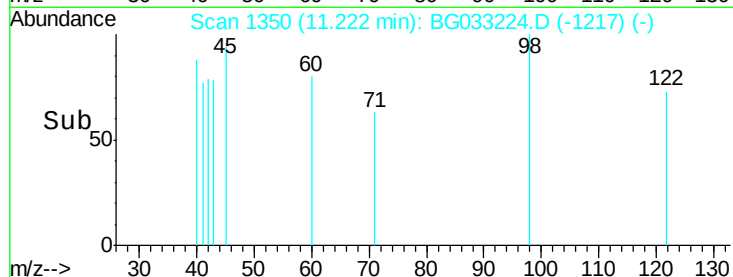
77 0.0 85.7 125.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

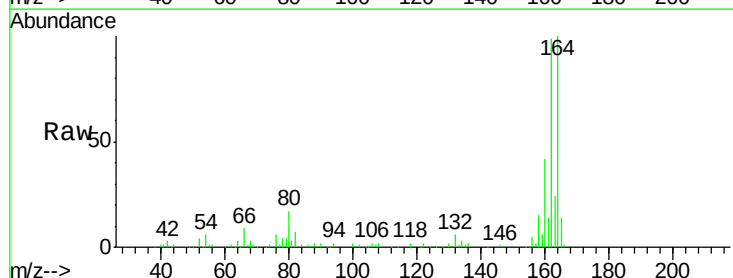
Tgt Ion:164 Resp: 107794

Ion Ratio Lower Upper

164 100

162 98.5 78.8 118.2

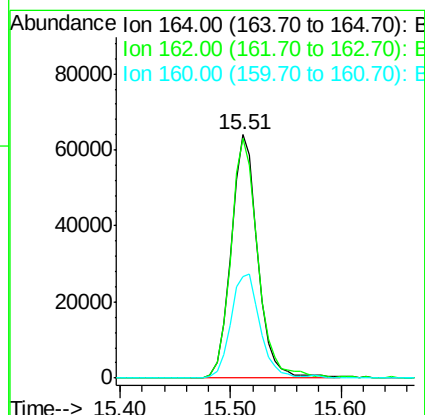
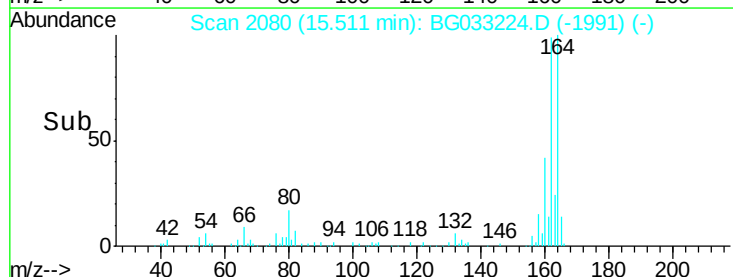
160 41.7 35.4 53.0

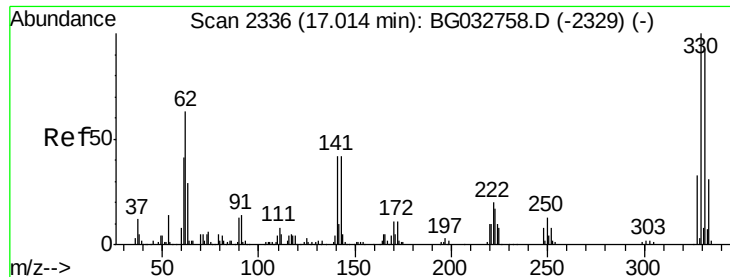


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

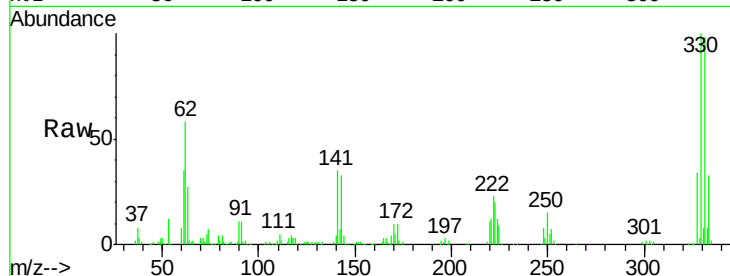




#41
 2,4,6-Tribromophenol
 Concen: 232.098 ng
 RT: 16.99 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BG033224.D
 Acq: 17 Mar 2018 8:45

Instrument :
 BNA_G
 ClientSampleId :
 1509-12-OILY-DEBRIS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	35.8	25.2	37.8

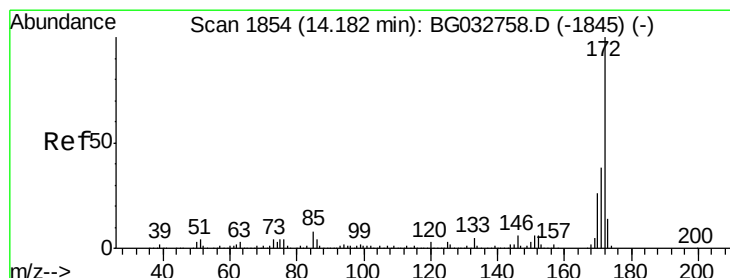
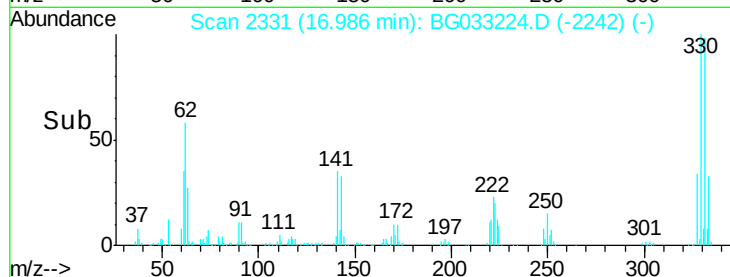
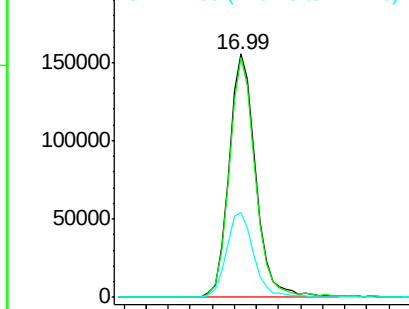


Abundance

Ion 329.80 (329.50 to 330.50): E

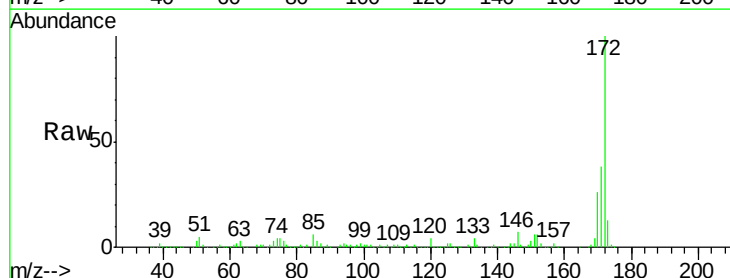
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.532 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033224.D
 Acq: 17 Mar 2018 8:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	25.6	19.5	29.3

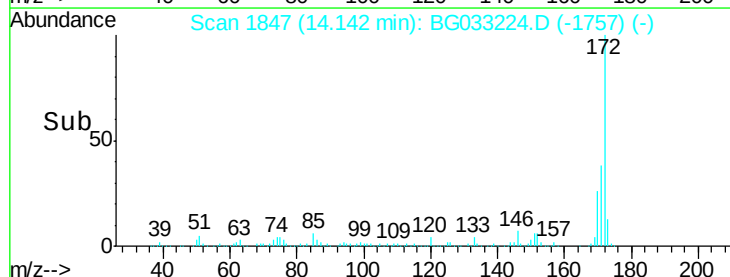
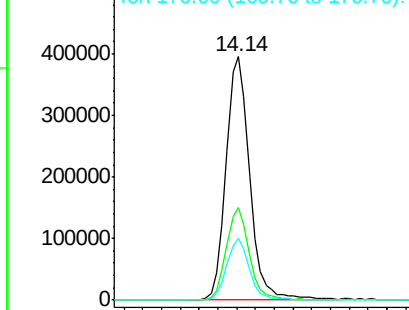


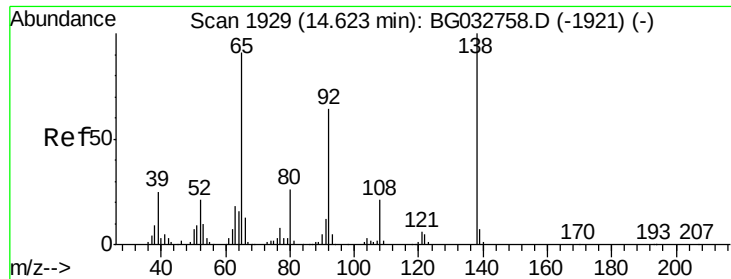
Abundance

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: 9.862 ng

RT: 14.79 min Scan# 1957

Delta R.T. 0.19 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

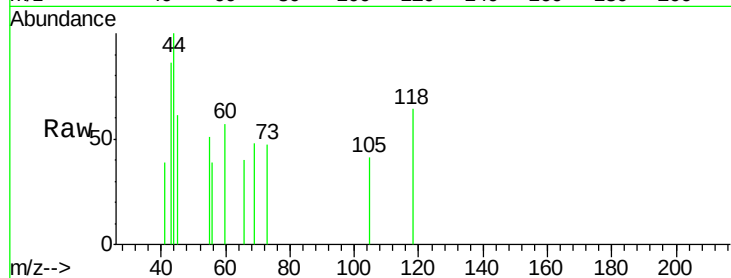
Tot Ion: 65 Resp: 59

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

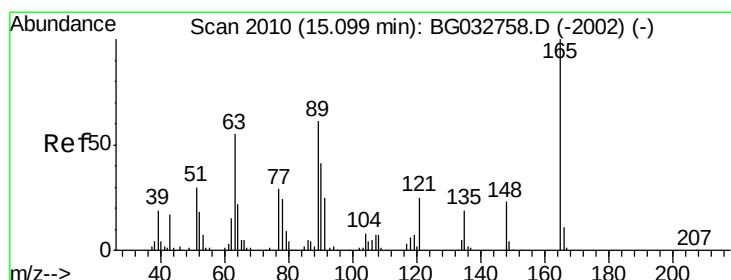
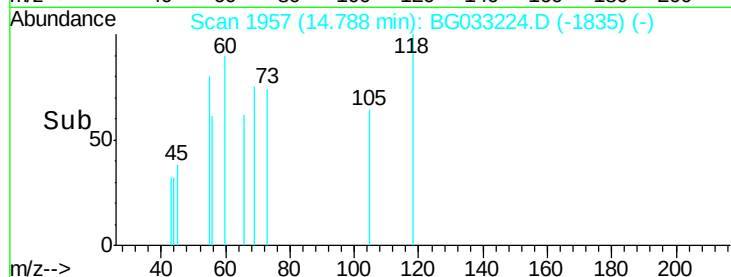
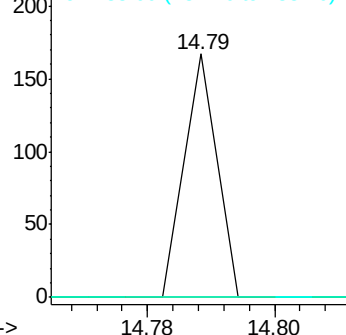
138 0.0 72.9 109.3#



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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.883 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.43 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

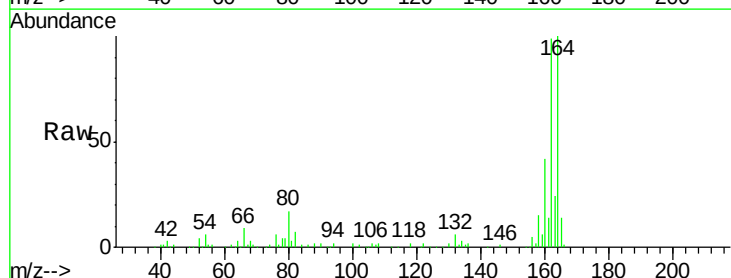
Tgt Ion: 165 Resp: 14850

Ion Ratio Lower Upper

165 100

63 1.7 52.7 79.1#

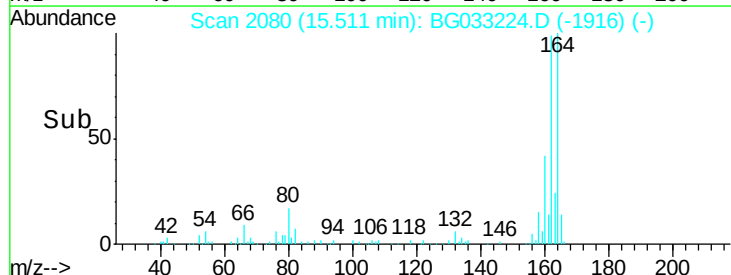
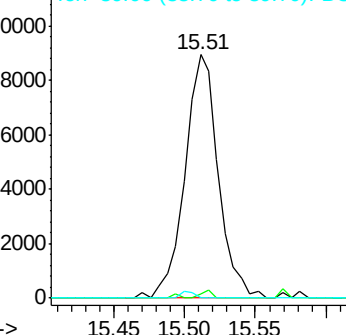
89 0.0 49.2 73.8#

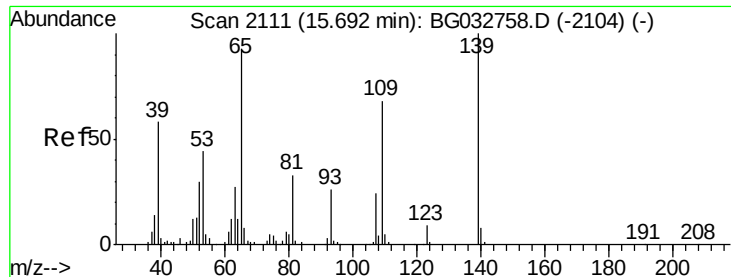


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#55

4-Nitrophenol

Concen: 7.189 ng

RT: 15.92 min Scan# 2149

Delta R.T. 0.22 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

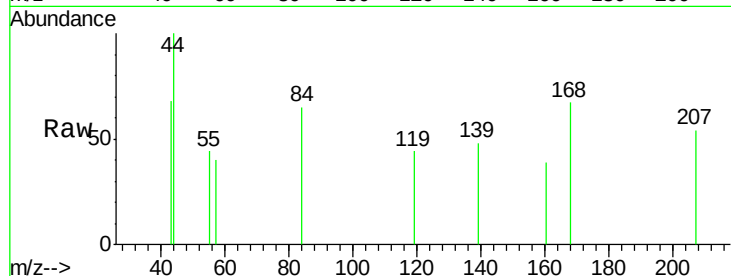
Tot Ion:139 Resp: 179

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

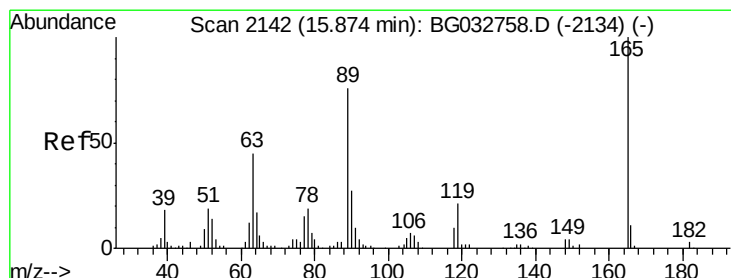
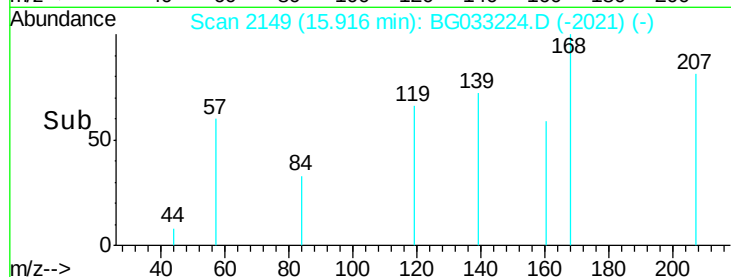
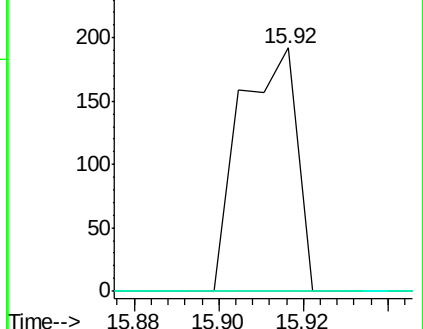
65 0.0 97.2 137.2#



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: 15.083 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.34 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Tgt Ion:165 Resp: 14850

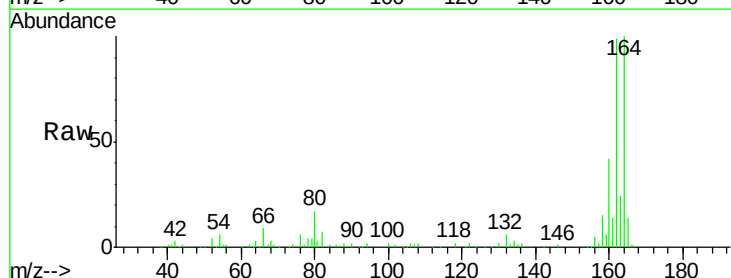
Ion Ratio Lower Upper

165 100

63 1.7 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

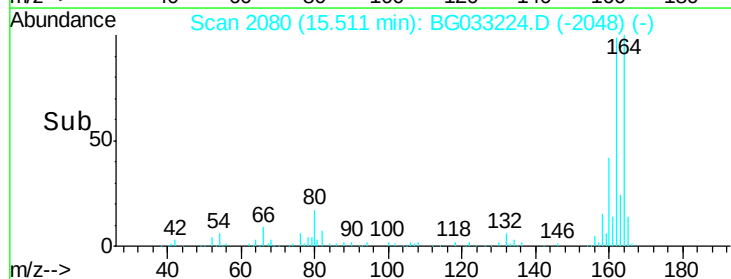
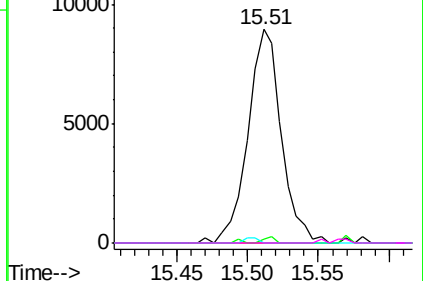


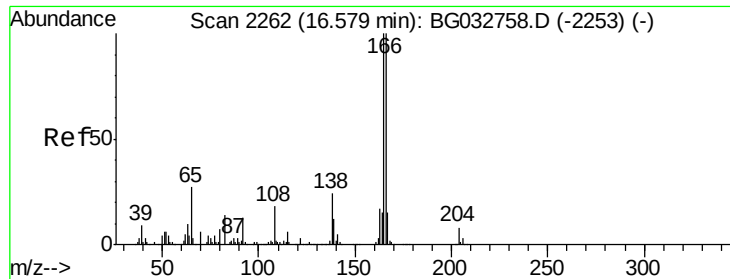
Abundance Ion 165.00 (164.70 to 165.70): E

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

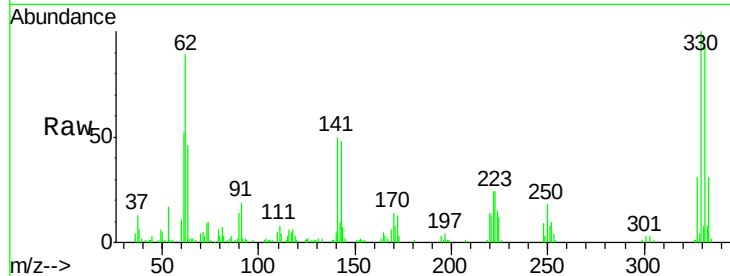




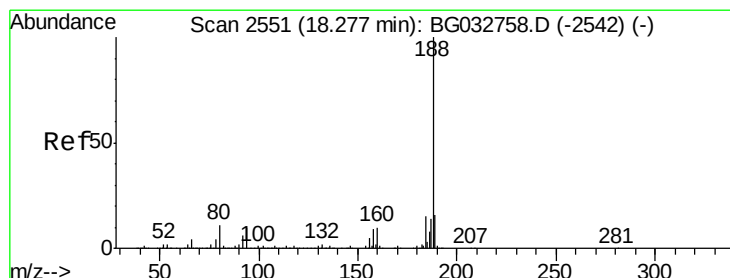
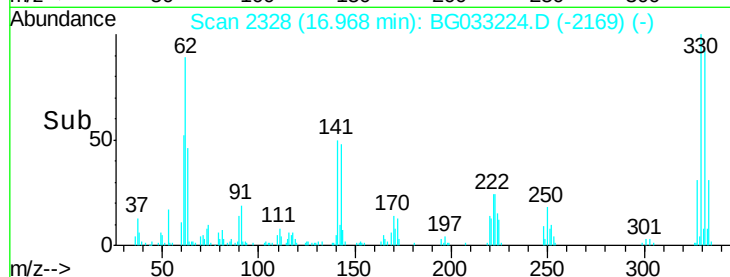
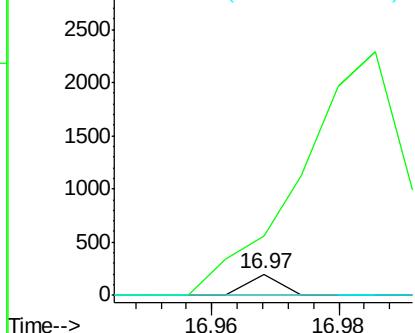
#61
4-Nitroaniline
Concen: 5.331 ng
RT: 16.97 min Scan# 2328
Delta R.T. 0.40 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

Instrument :
BNA_G
ClientSampleId :
1509-12-OILY-DEBRIS

Tot Ion:138 Resp: 69
Ion Ratio Lower Upper
138 100
92 284.8 40.1 80.1#
108 0.0 65.4 105.4#

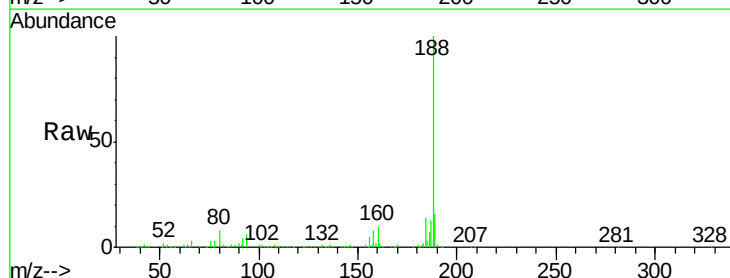


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

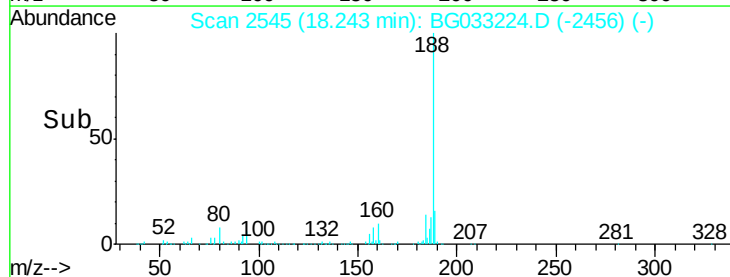
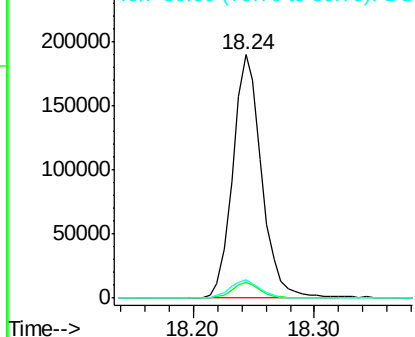


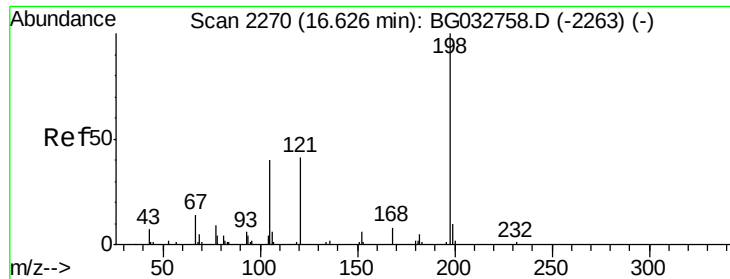
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033224.D
Acq: 17 Mar 2018 8:45

Tgt Ion:188 Resp: 314608
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 7.6 7.7 11.5#



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

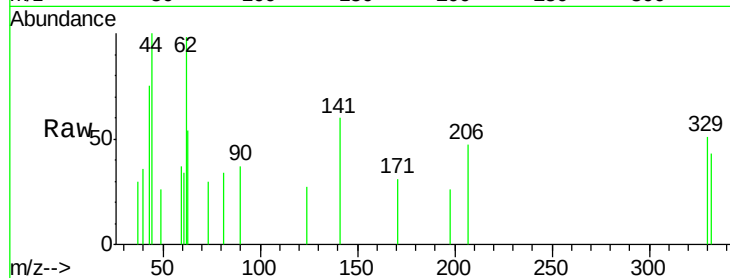




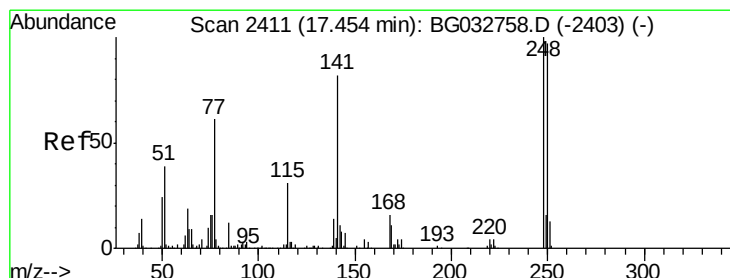
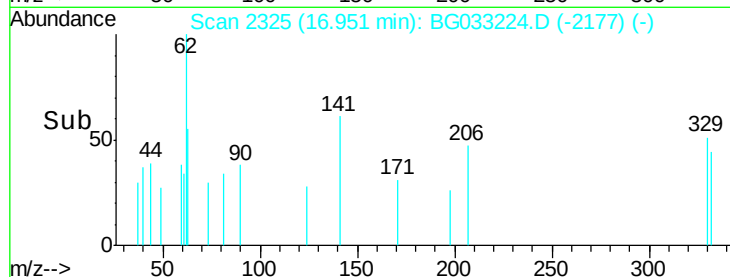
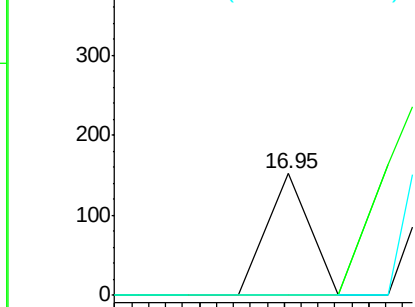
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.020 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.34 min
 Lab File: BG033224.D
 Acq: 17 Mar 2018 8:45

Instrument :
 BNA_G
 ClientSampleId :
 1509-12-OILY-DEBRIS

Tot Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

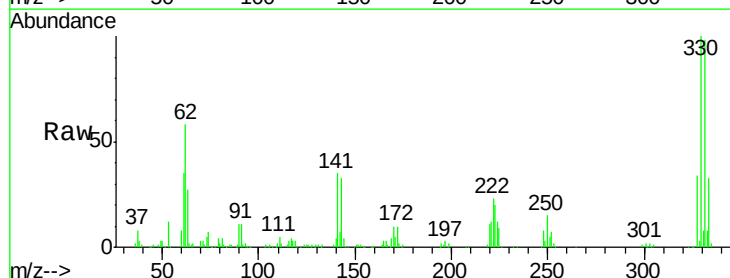


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

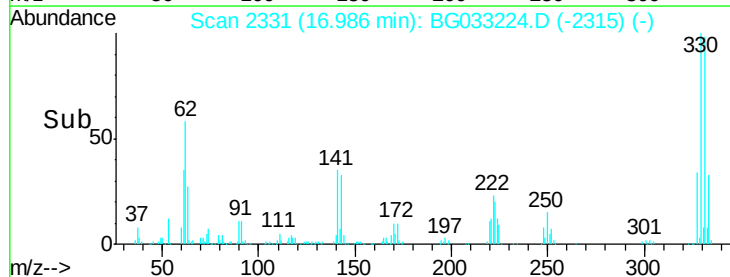
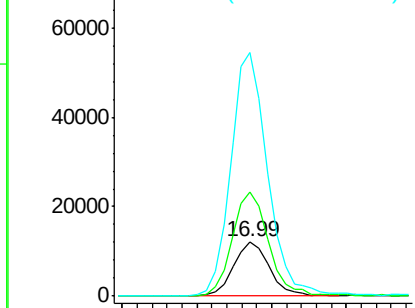


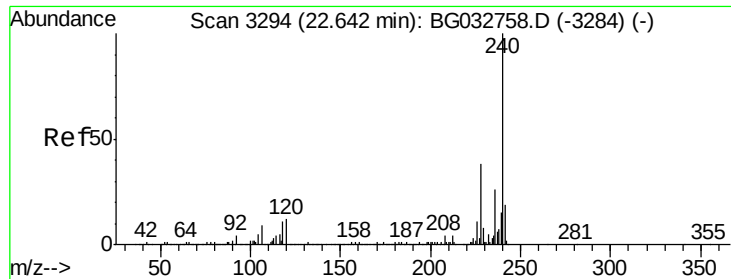
#66
 4-Bromophenyl-phenylether
 Concen: 6.136 ng
 RT: 16.99 min Scan# 2331
 Delta R.T. -0.44 min
 Lab File: BG033224.D
 Acq: 17 Mar 2018 8:45

Tgt Ion:248 Resp: 20412
 Ion Ratio Lower Upper
 248 100
 250 190.6 77.1 115.7#
 141 448.1 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3286

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

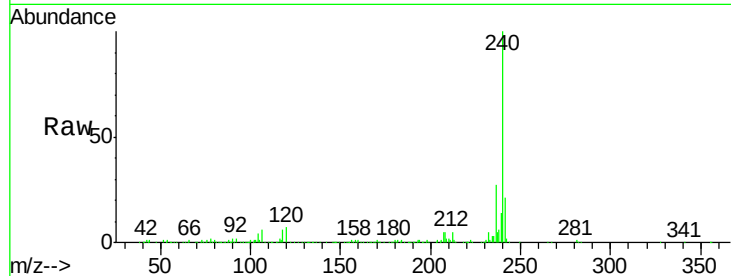
Tot Ion:240 Resp: 332111

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

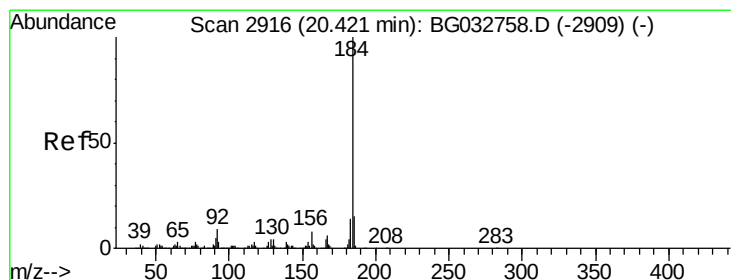
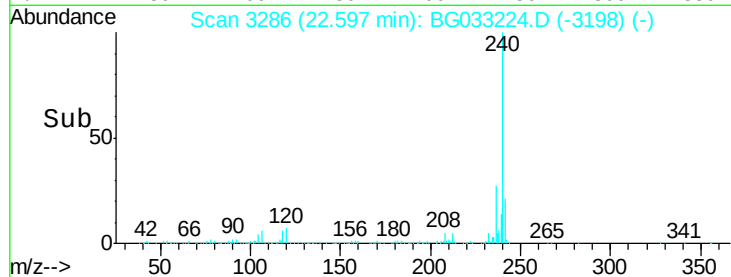
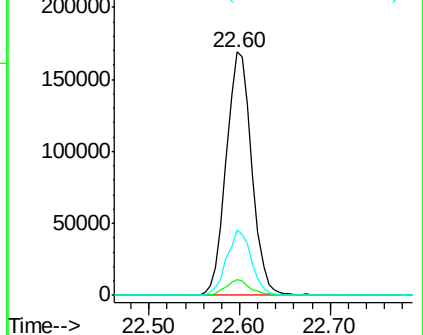
236 27.0 20.9 31.3



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: 2.124 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

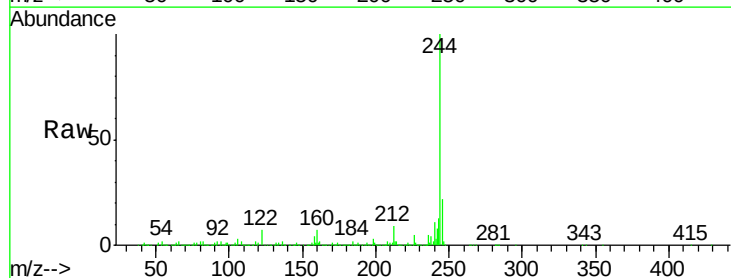
Tgt Ion:184 Resp: 24047

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

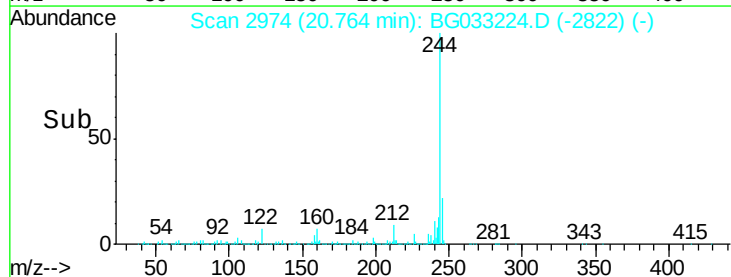
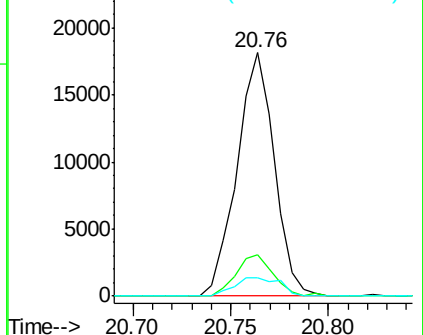
183 7.3 10.6 16.0#

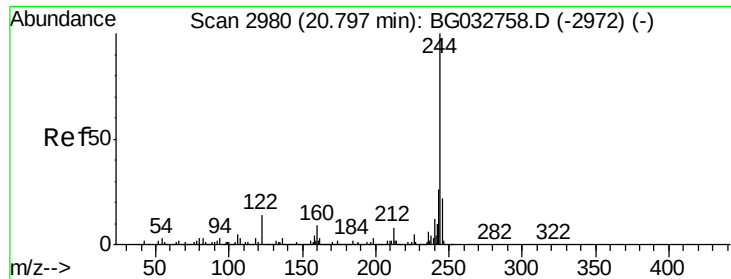


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.541 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA_G

ClientSampleId :

1509-12-OILY-DEBRIS

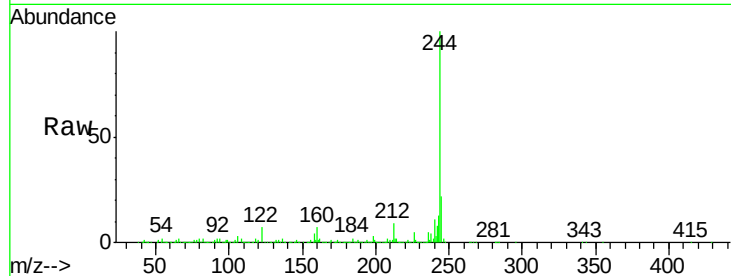
Tot Ion:244 Resp: 1441852

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

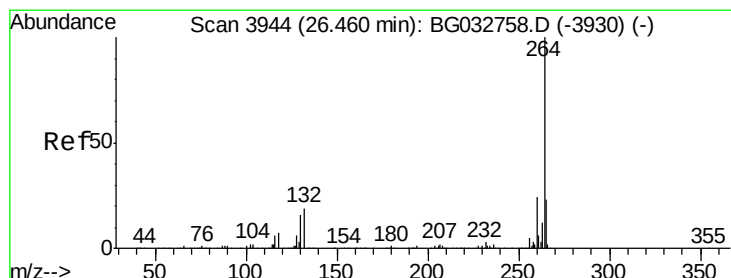
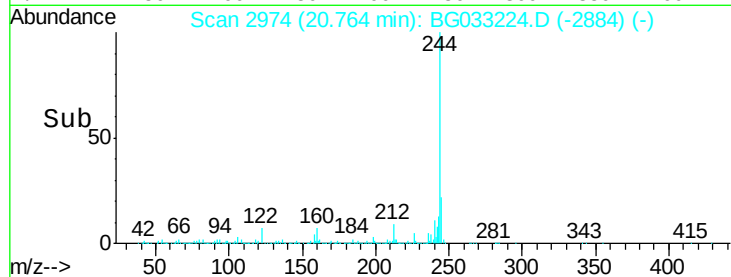
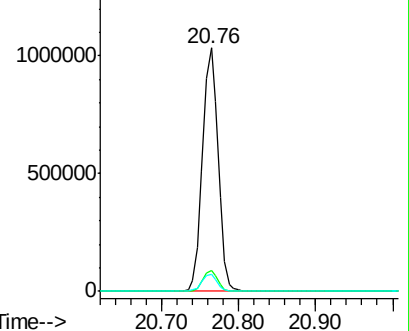
122 6.9 7.0 10.4#



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. -0.00 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

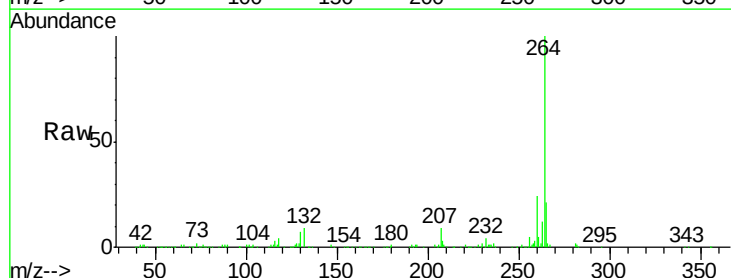
Tgt Ion:264 Resp: 350939

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.7 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

