

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033216.D
 Acq On : 17 Mar 2018 3:45
 Operator : SJ/JU
 Sample : J1926-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-DEBRIS-RBR200032

Quant Time: Mar 17 05:23:55 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	32481	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	129083	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	96412	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	293144	20.00	ng	0.00
75) Chrysene-d12	22.60	240	309659	20.00	ng	0.00
86) Perylene-d12	26.40	264	332632	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	293253	144.44	ng	0.00
7) Phenol-d6	8.00	99	406828	143.76	ng	-0.01
23) Nitrobenzene-d5	10.10	82	309144	156.73	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	265741	262.14	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	713180	106.69	ng	0.00
78) Terphenyl-d14	20.76	244	1604583	116.42	ng	0.00

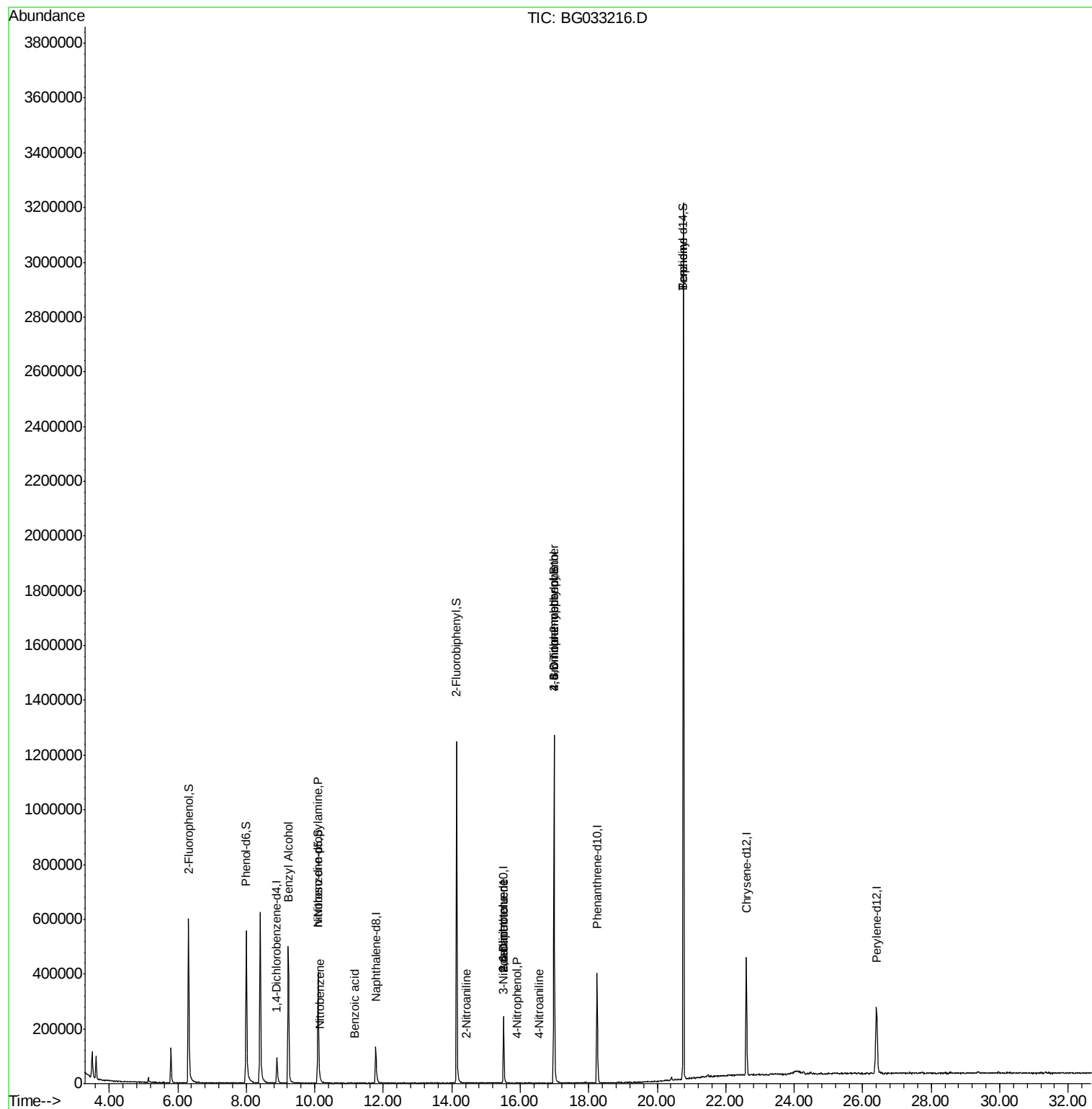
Target Compounds				Qvalue		
15) Benzyl Alcohol	9.22	79	5439	2.614	ng	# 65
19) n-Nitroso-di-n-propylamine	10.10	70	43870	21.959	ng	# 76
24) Nitrobenzene	10.15	77	63	6.407	ng	# 42
32) Benzoic acid	11.15	122	68	5.882	ng	# 53
47) 2-Nitroaniline	14.43	65	54	9.863	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	12195	16.230	ng	# 20
52) 3-Nitroaniline	15.50	138	58	7.573	ng	# 1
55) 4-Nitrophenol	15.91	139	186	7.207	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	12195	14.427	ng	# 19
61) 4-Nitroaniline	16.55	138	59	5.329	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	819	6.133	ng	# 1
66) 4-Bromophenyl-phenylether	16.98	248	20276	6.541	ng	# 1
76) Benzidine	20.76	184	26744	2.534	ng	# 92

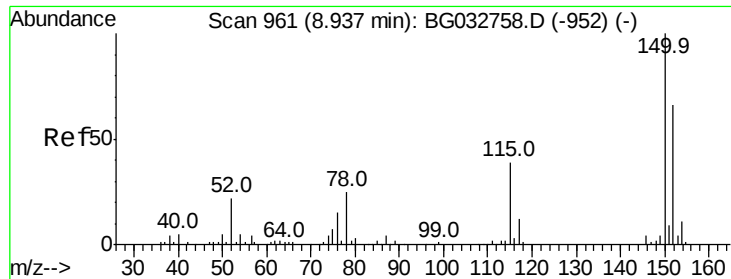
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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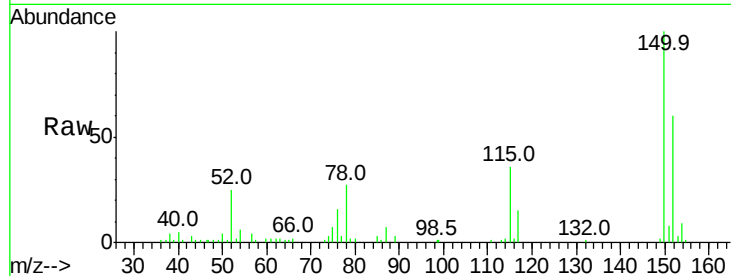


#1

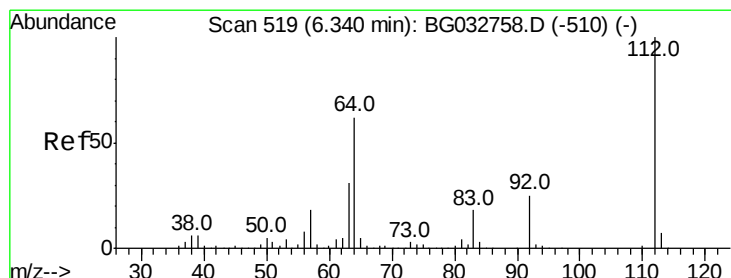
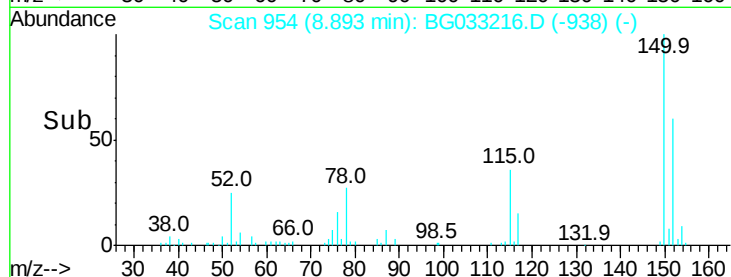
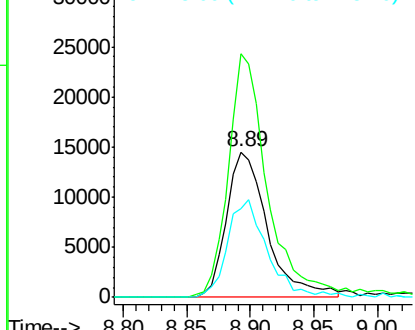
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Instrument :
BNA_G
ClientSampleId :
OILY-DEBRIS-RBR200032

Tot Ion:152 Resp: 32481
Ion Ratio Lower Upper
152 100
150 167.3 126.6 189.8
115 60.8 53.0 79.4



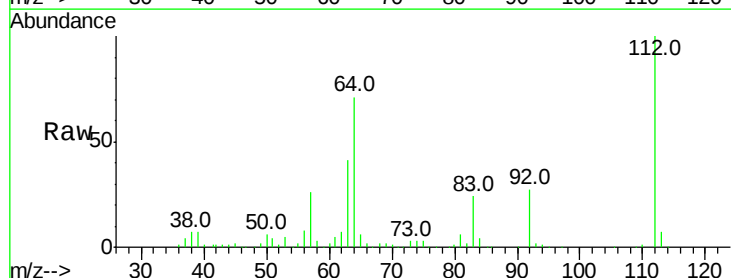
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



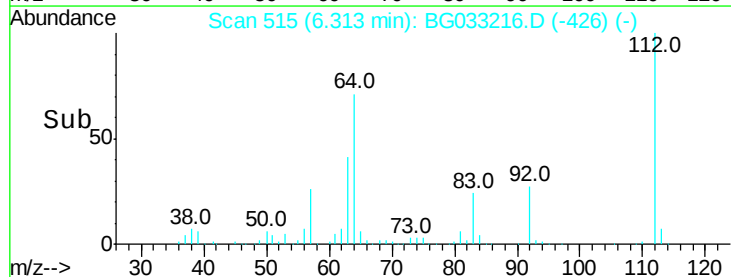
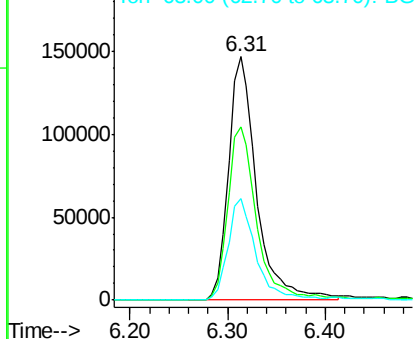
#5

2-Fluorophenol
Concen: 144.442 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Tgt Ion:112 Resp: 293253
Ion Ratio Lower Upper
112 100
64 71.1 56.3 84.5
63 41.5 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: 143.761 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

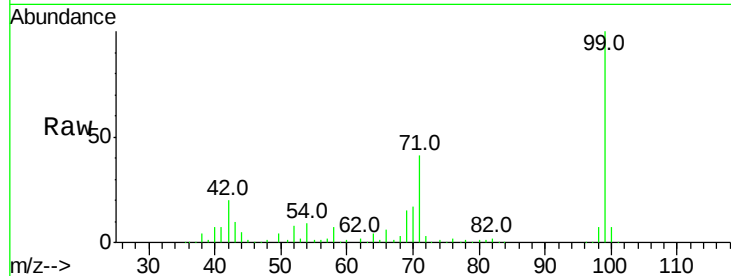
Tot Ion: 99 Resp: 406828

Ion Ratio Lower Upper

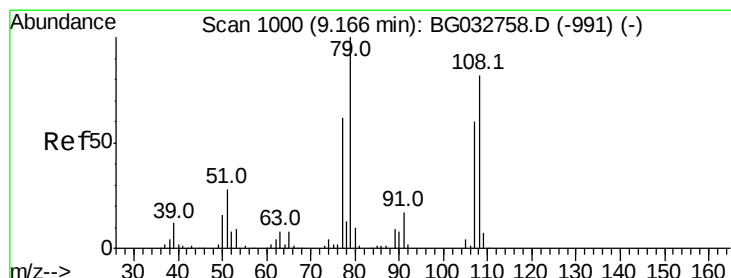
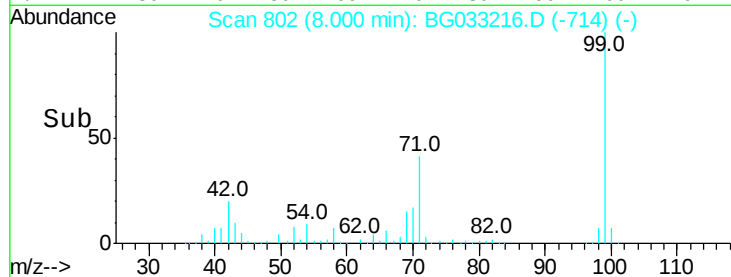
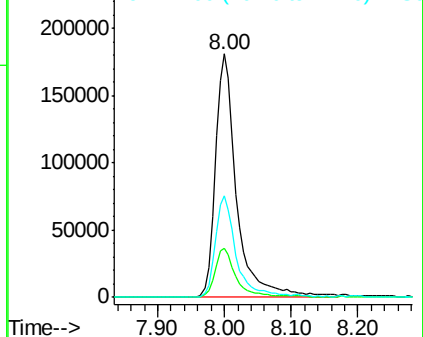
99 100

42 20.2 14.1 21.1

71 41.5 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.614 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.09 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

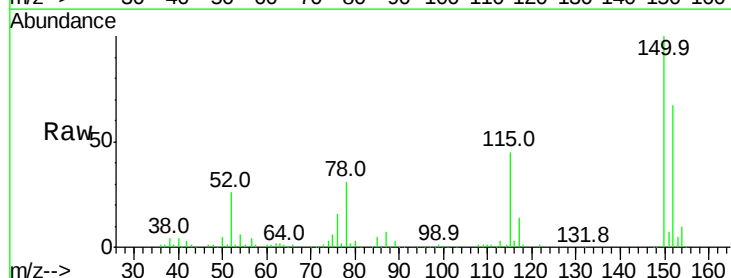
Tgt Ion: 79 Resp: 5439

Ion Ratio Lower Upper

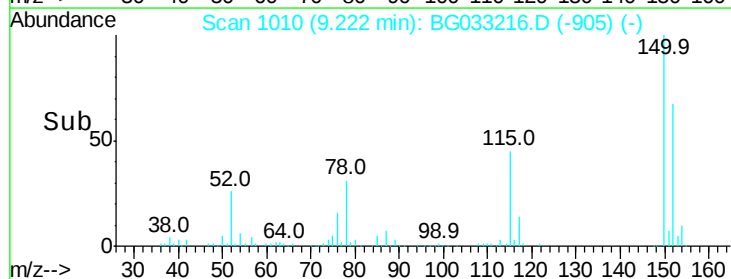
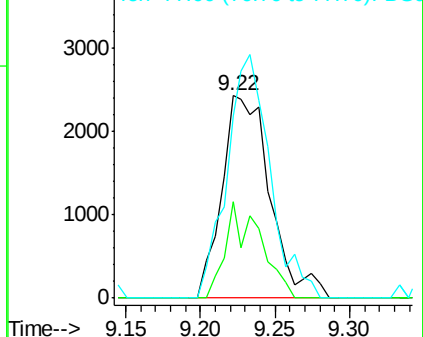
79 100

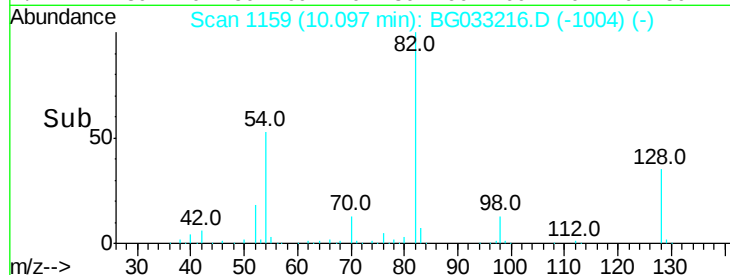
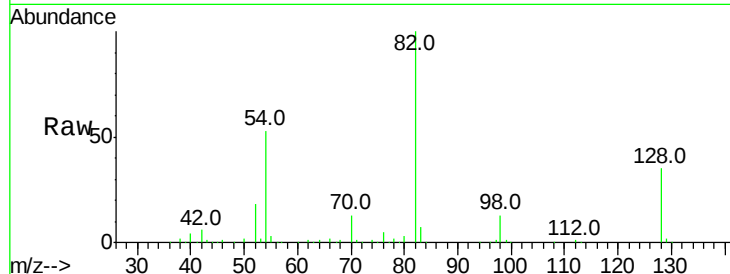
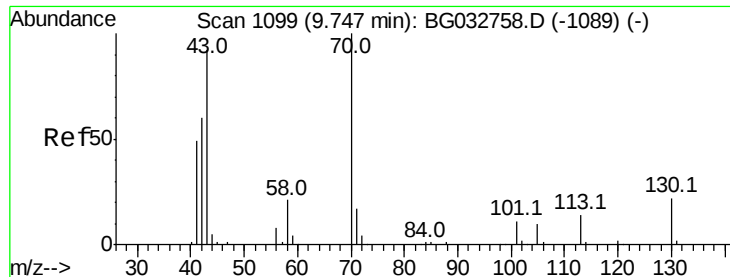
108 47.3 57.2 85.8#

77 89.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

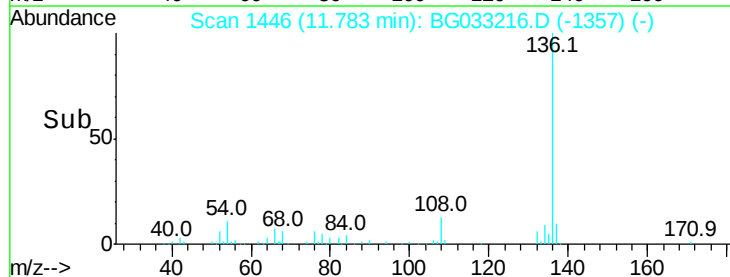
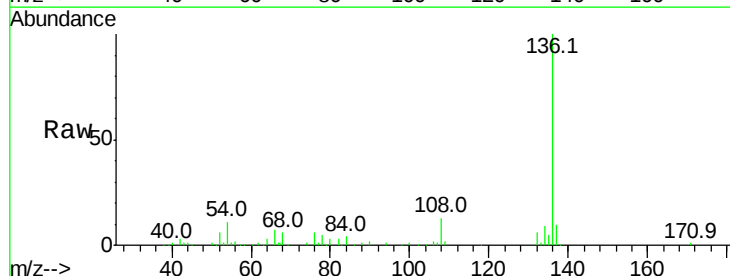
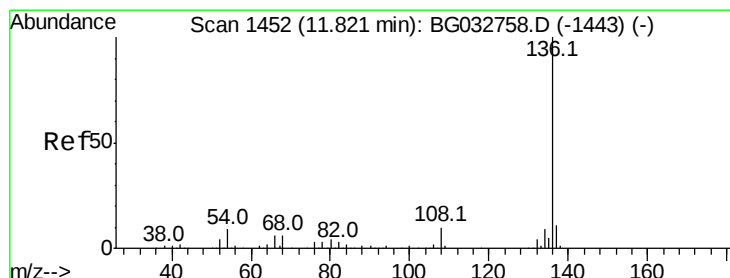
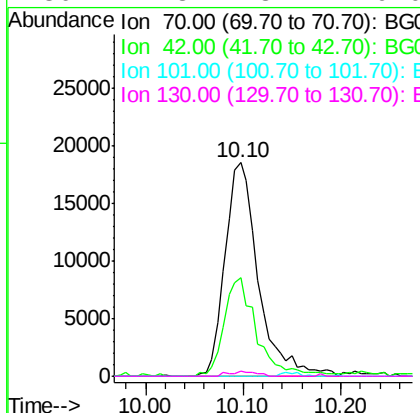




#19
n-Nitroso-di-n-propylamine
Concen: 21.959 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

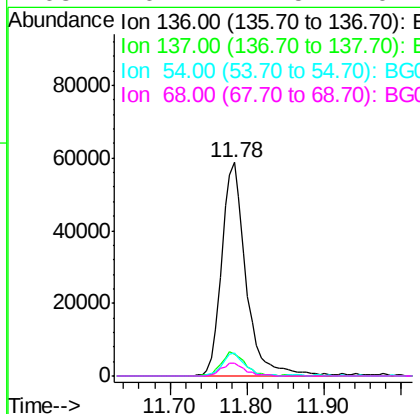
Instrument :
BNA_G
ClientSampleId :
OILY-DEBRIS-RBR200032

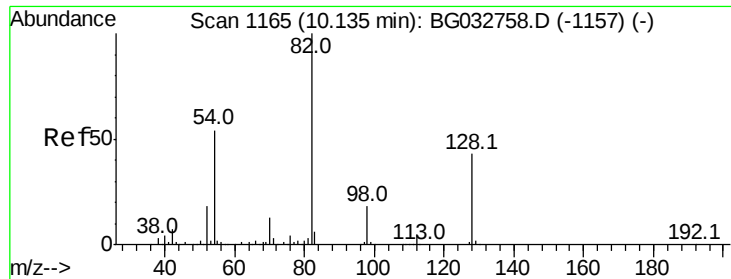
Tot Ion: 70 Resp: 43870
Ion Ratio Lower Upper
70 100
42 45.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Tgt Ion:136 Resp: 129083
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 11.1 10.3 15.5
68 6.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 156.727 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

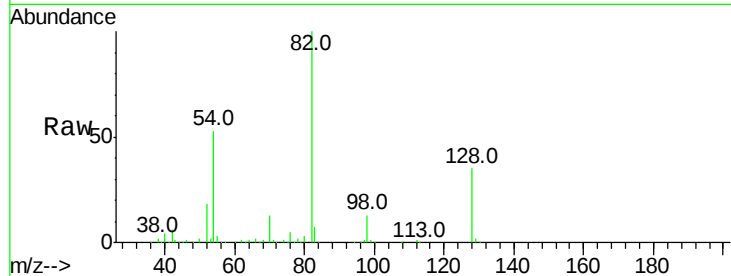
Tot Ion: 82 Resp: 309144

Ion Ratio Lower Upper

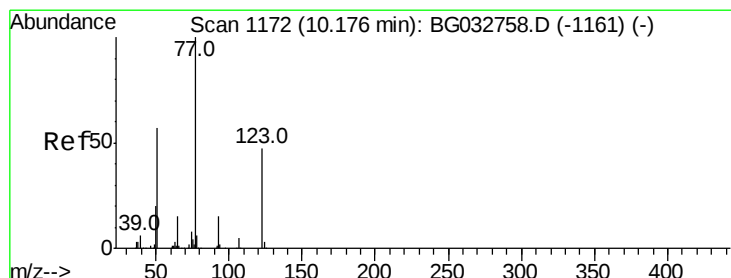
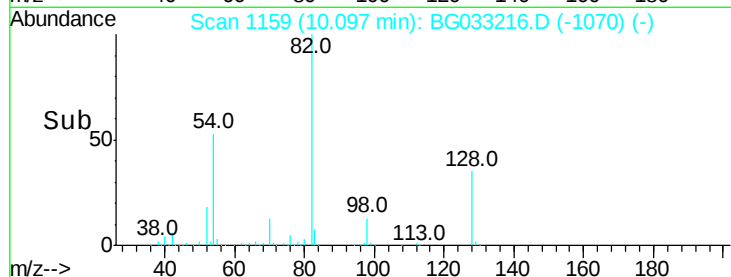
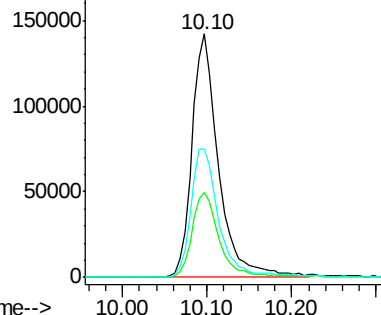
82 100

128 35.1 29.7 44.5

54 52.8 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: 6.407 ng

RT: 10.15 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

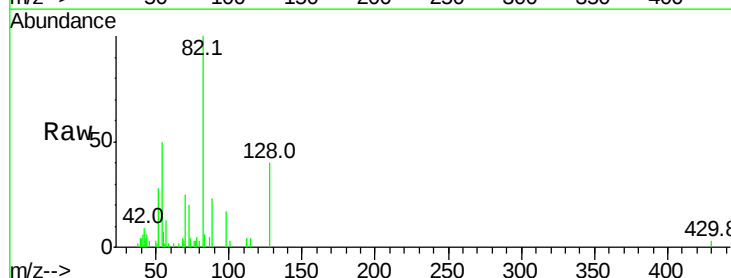
Tgt Ion: 77 Resp: 63

Ion Ratio Lower Upper

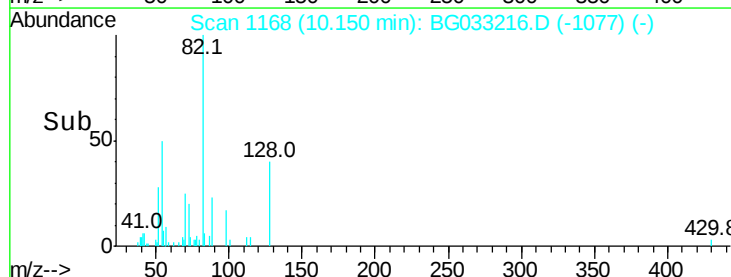
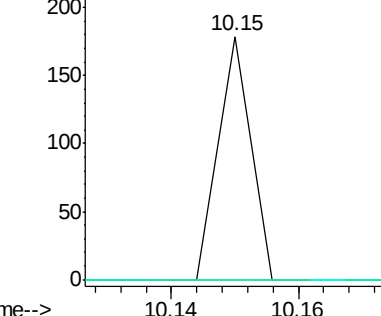
77 100

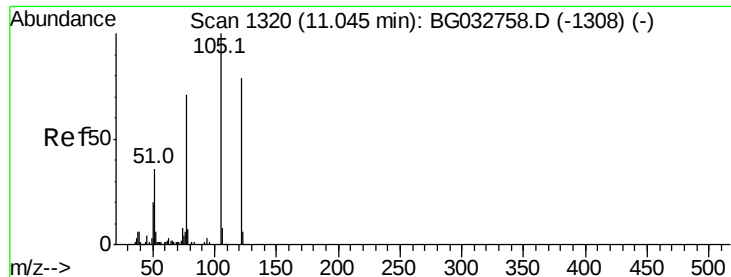
123 0.0 33.0 49.6#

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: 5.882 ng

RT: 11.15 min Scan# 1339

Delta R.T. 0.18 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

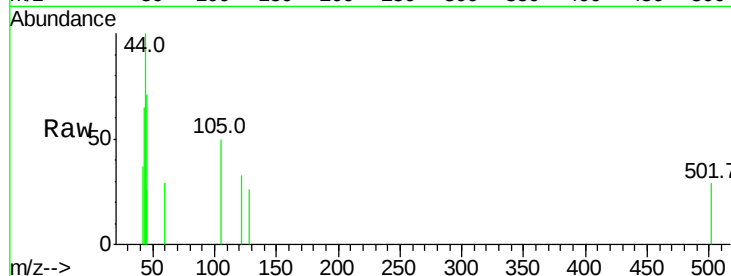
Tot Ion:122 Resp: 68

Ion Ratio Lower Upper

122 100

105 150.5 123.5 163.5

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): B

400

300

200

100

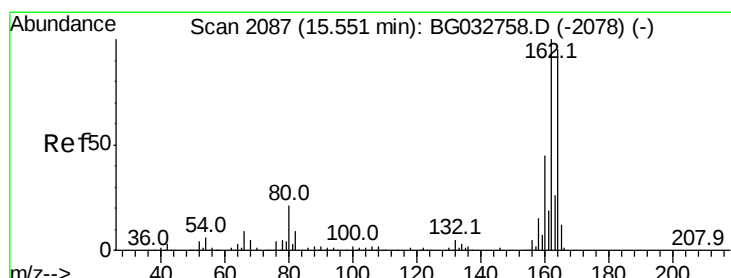
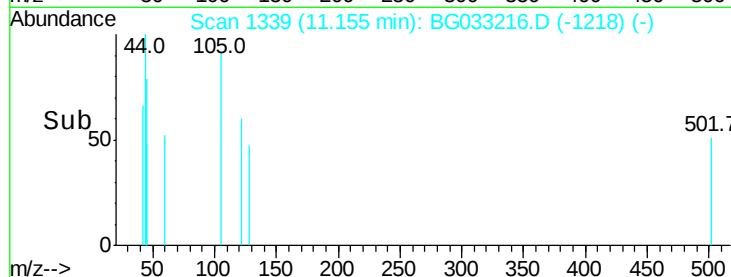
0

11.14

11.15

11.16

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

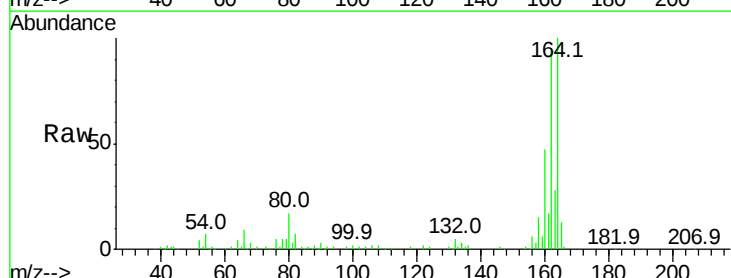
Tgt Ion:164 Resp: 96412

Ion Ratio Lower Upper

164 100

162 95.0 78.8 118.2

160 46.7 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

60000

40000

20000

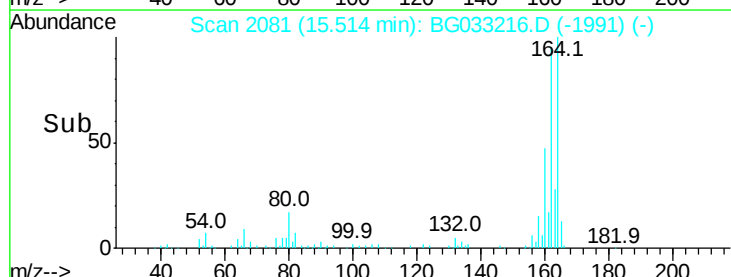
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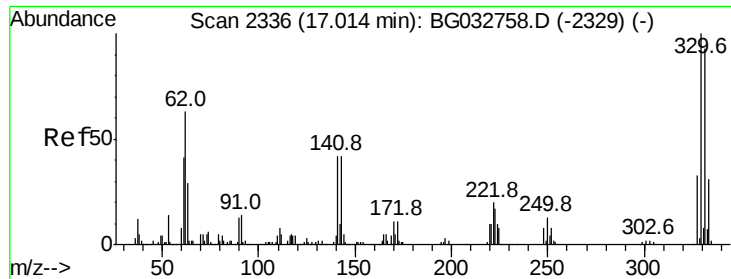
15.50

15.51

15.60

Time-->

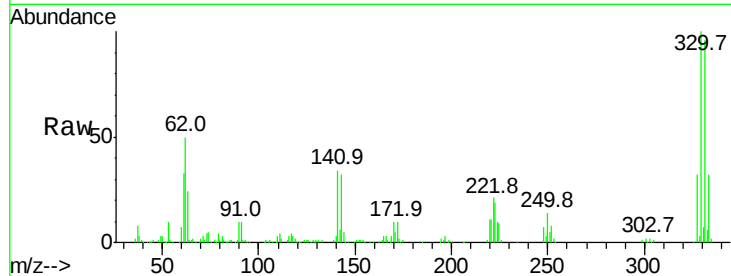




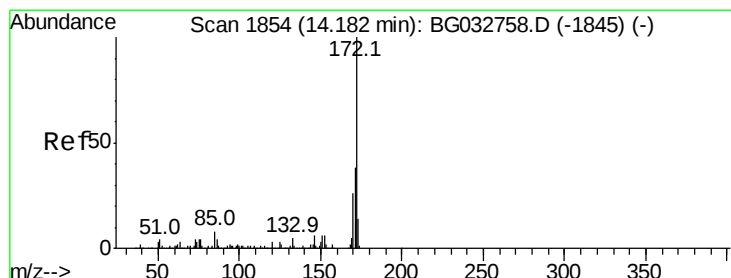
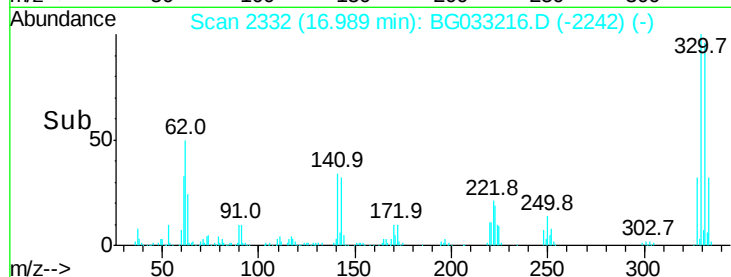
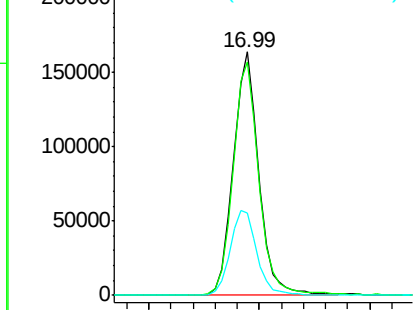
#41
 2,4,6-Tribromophenol
 Concen: 262.139 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033216.D
 Acq: 17 Mar 2018 3:45

Instrument :
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 OILY-DEBRIS-RBR200032

Tot Ion:330 Resp: 265741
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 36.5 25.2 37.8

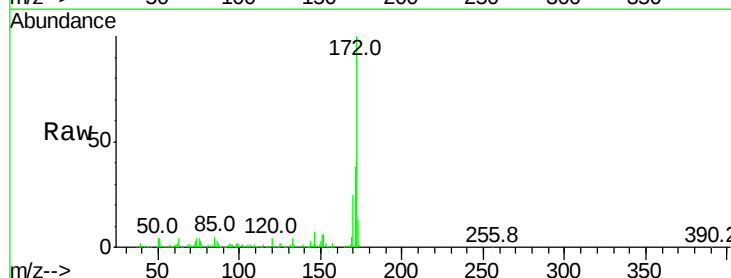


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

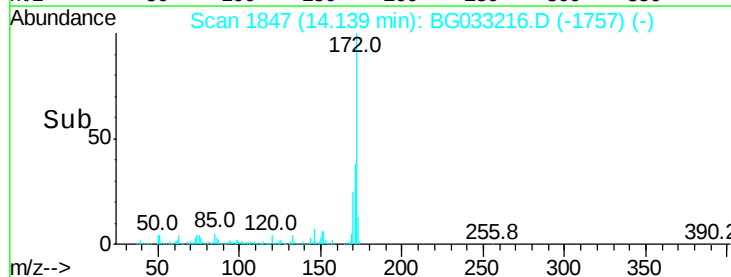
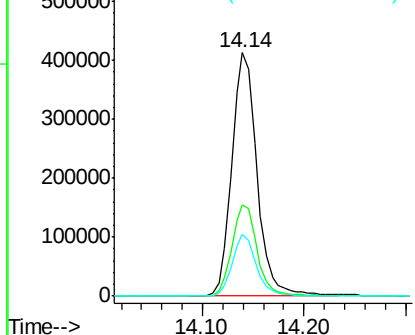


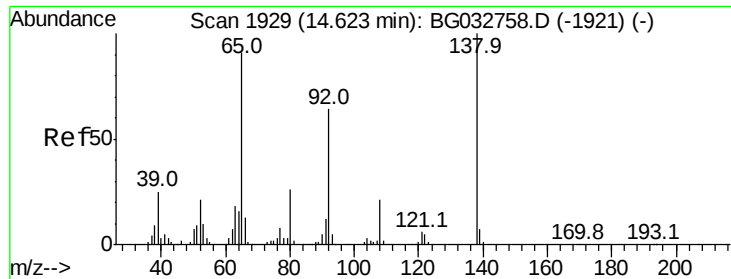
#44
 2-Fluorobiphenyl
 Concen: 106.686 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033216.D
 Acq: 17 Mar 2018 3:45

Tgt Ion:172 Resp: 713180
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.0 45.0
 170 25.3 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

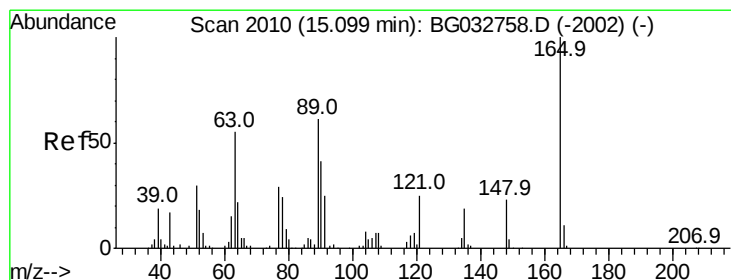
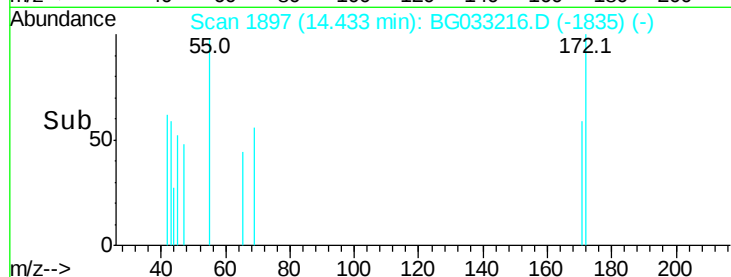
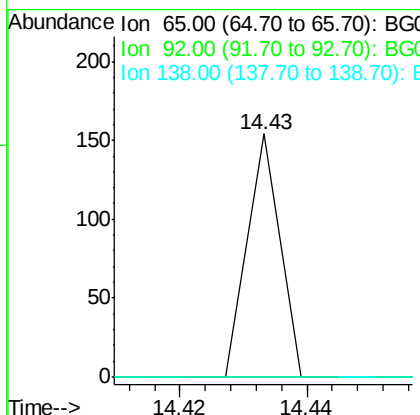
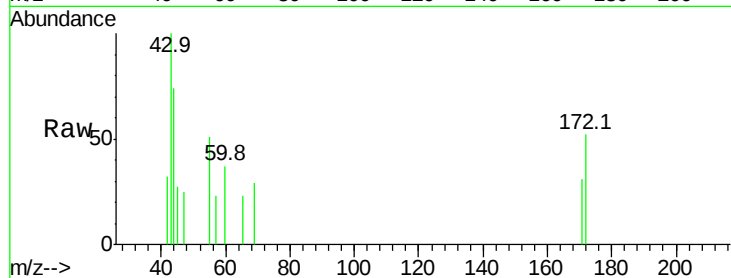




#47
2-Nitroaniline
Concen: 9.863 ng
RT: 14.43 min Scan# 1897
Delta R.T. -0.17 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

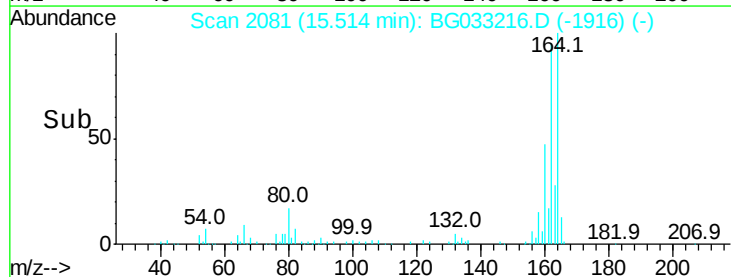
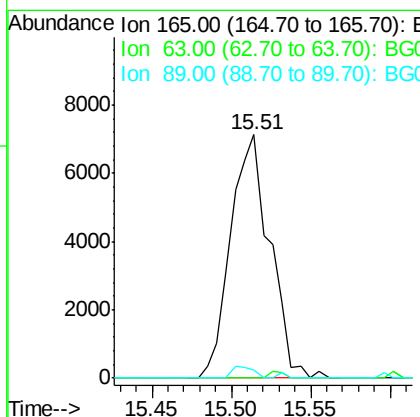
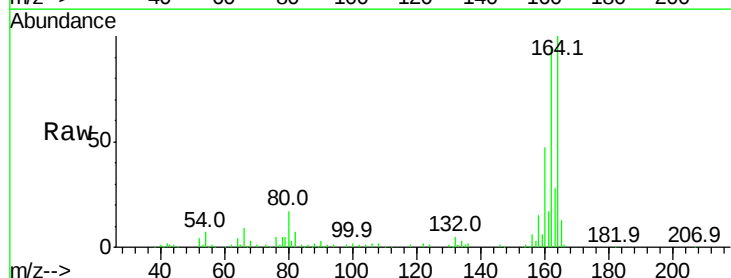
Instrument :
BNA_G
ClientSampleId :
OILY-DEBRIS-RBR200032

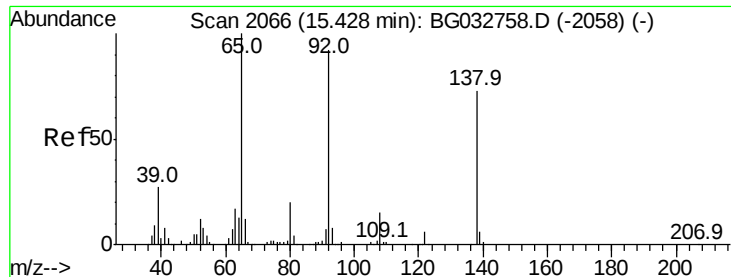
Tot Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.230 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Tgt Ion:165 Resp: 12195
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.3 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.573 ng

RT: 15.50 min Scan# 2078

Delta R.T. 0.08 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

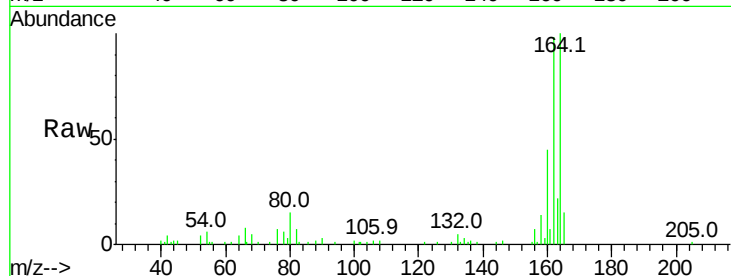
Tot Ion:138 Resp: 58

Ion Ratio Lower Upper

138 100

108 280.6 17.5 26.3#

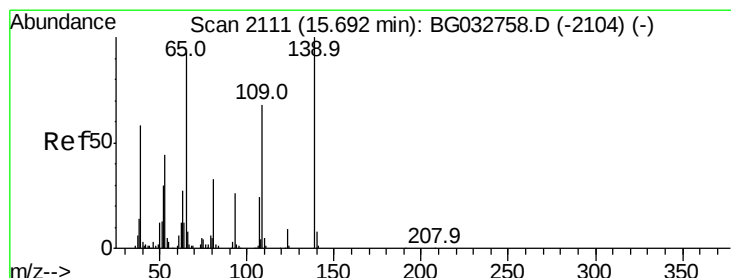
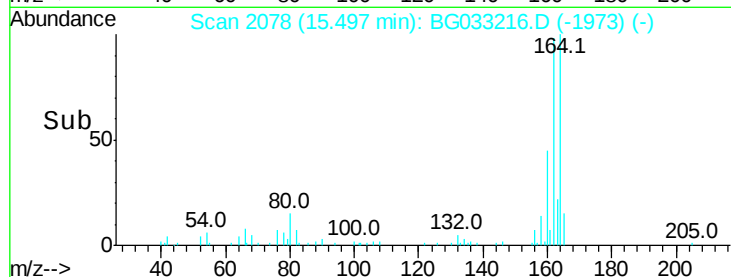
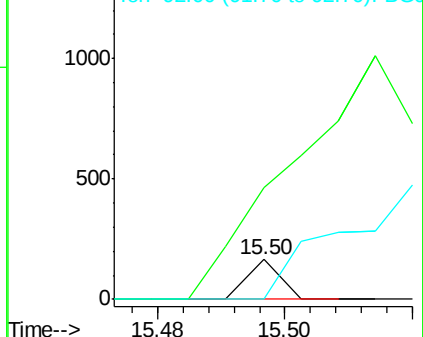
92 0.0 105.8 158.8#



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: 7.207 ng

RT: 15.91 min Scan# 2149

Delta R.T. 0.22 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

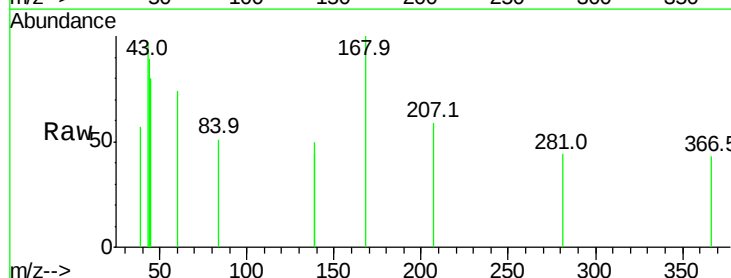
Tgt Ion:139 Resp: 186

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

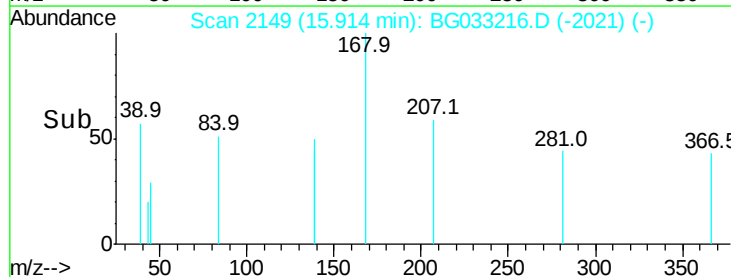
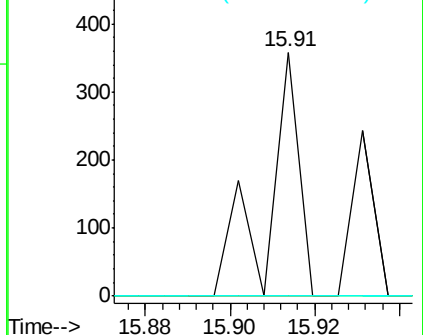
65 0.0 97.2 137.2#

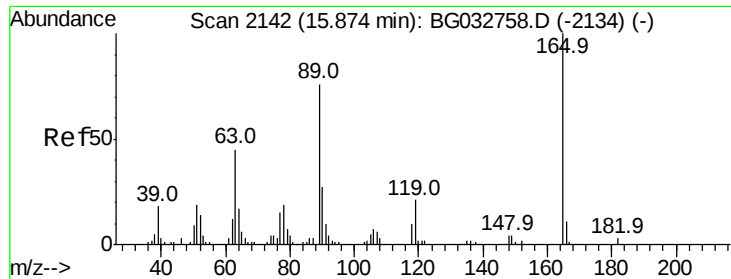


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

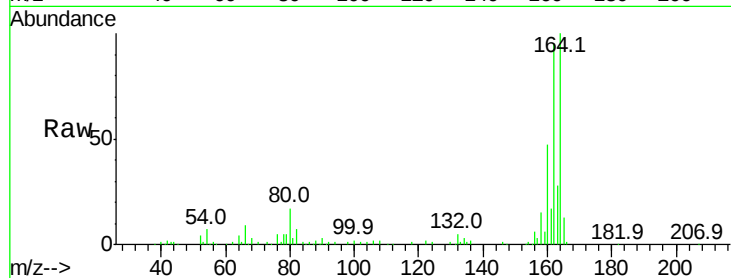




#56
2,4-Dinitrotoluene
Concen: 14.427 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Instrument :
BNA_G
ClientSampleId :
OILY-DEBRIS-RBR200032

Tot Ion:165 Resp: 12195
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.3 66.9 100.3#
182 2.3 2.6 3.8#

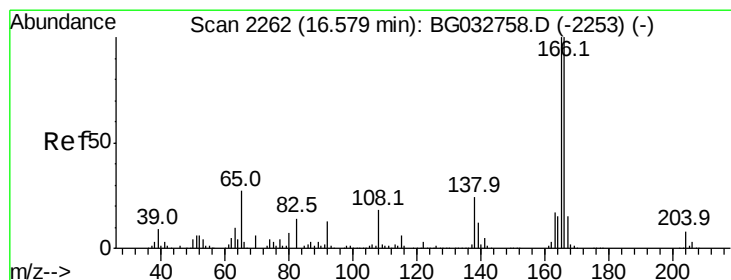
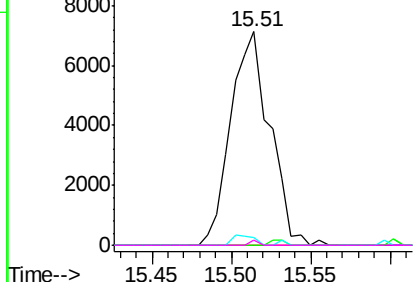
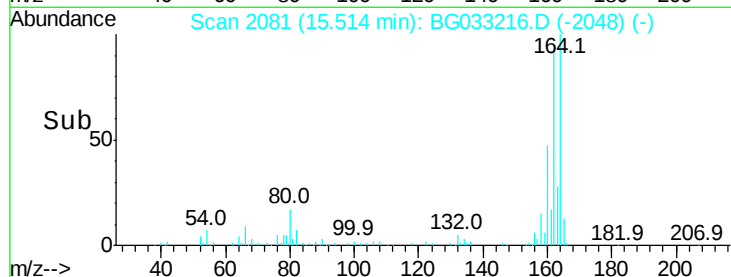


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

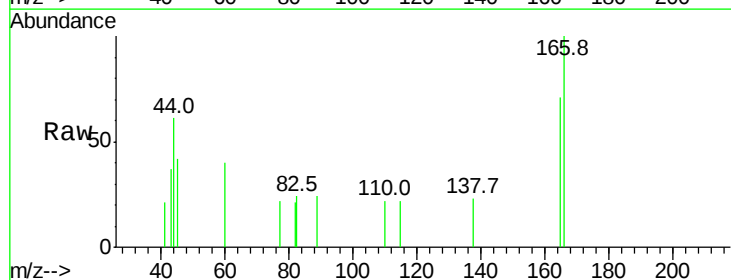
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61
4-Nitroaniline
Concen: 5.329 ng
RT: 16.55 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

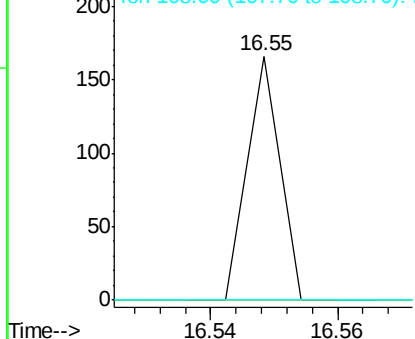
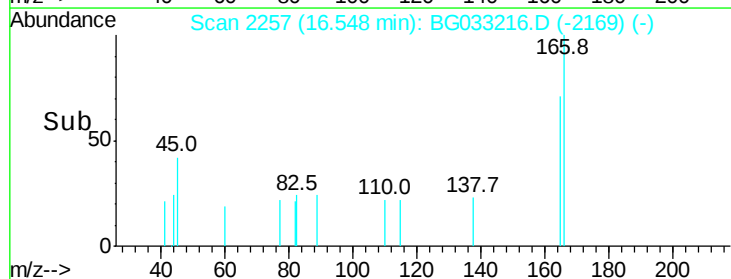
Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

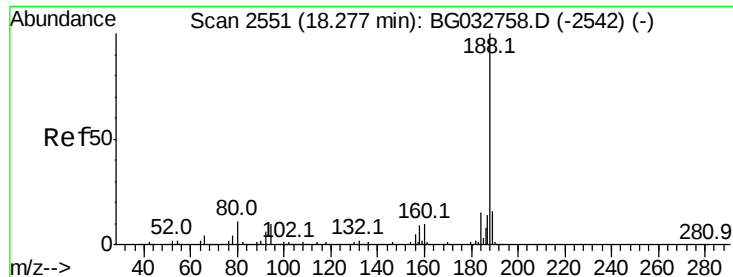


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

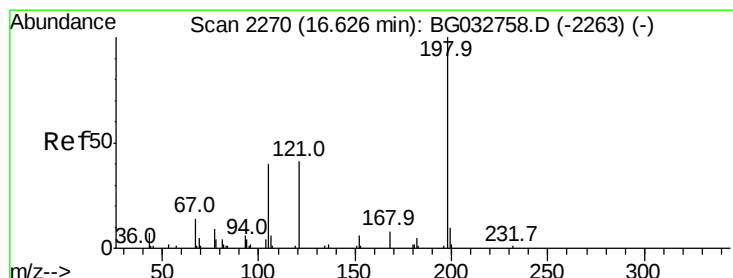
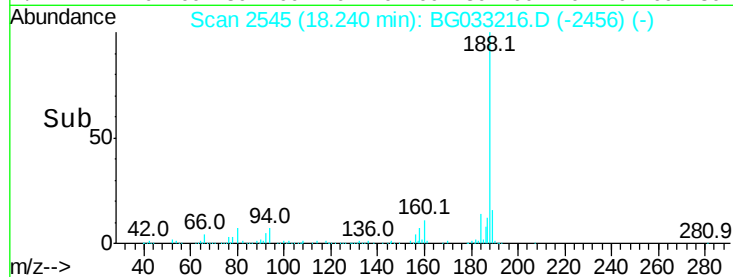
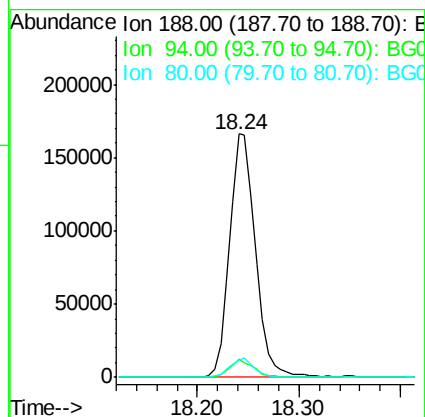
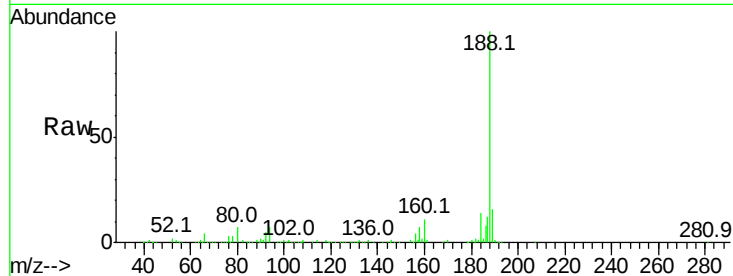




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BG033216.D
 Acq: 17 Mar 2018 3:45

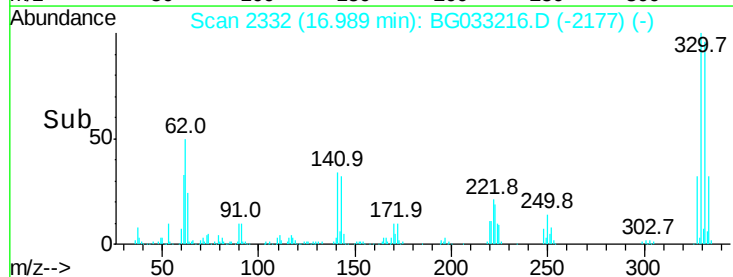
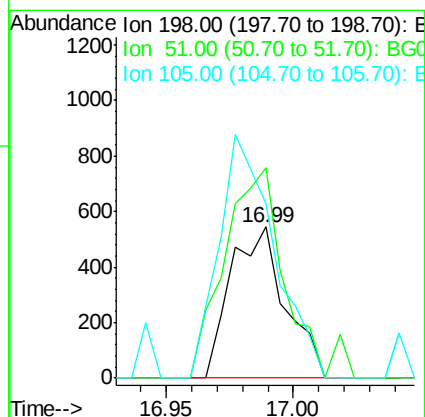
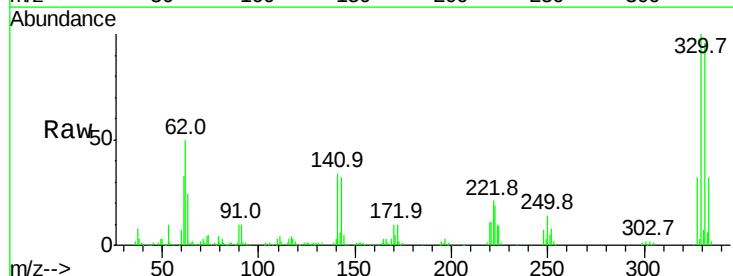
Instrument :
 BNA_G
 ClientSampleId :
 OILY-DEBRIS-RBR200032

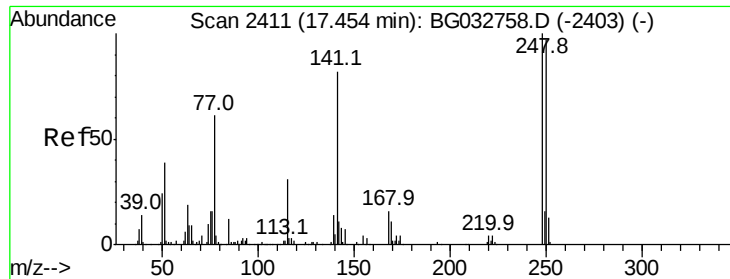
Tot Ion:188 Resp: 293144
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 7.2 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.133 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033216.D
 Acq: 17 Mar 2018 3:45

Tgt Ion:198 Resp: 819
 Ion Ratio Lower Upper
 198 100
 51 139.1 30.6 70.6#
 105 115.6 23.8 63.8#

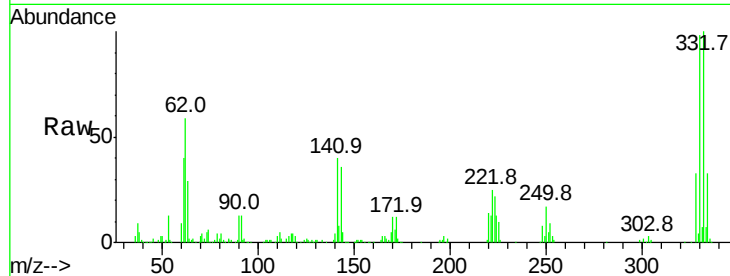




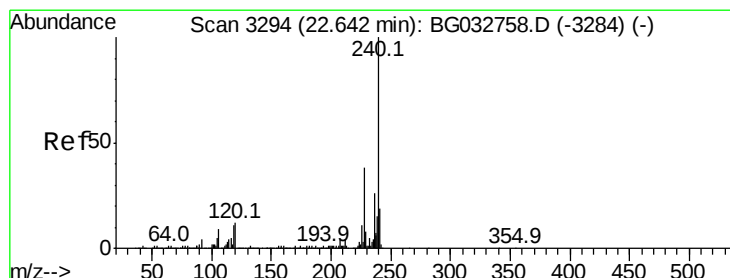
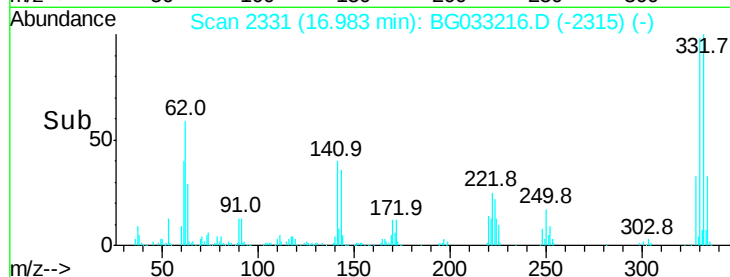
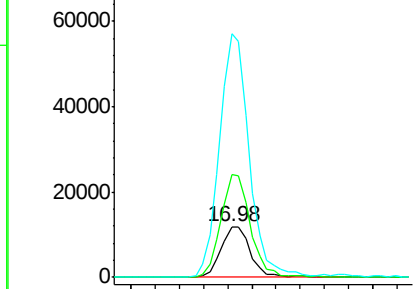
#66
4-Bromophenyl-phenylether
Concen: 6.541 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.44 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Instrument :
BNA_G
ClientSampleId :
OILY-DEBRIS-RBR200032

Tot Ion:248 Resp: 20276
Ion Ratio Lower Upper
248 100
250 201.1 77.1 115.7#
141 477.8 50.8 76.2#

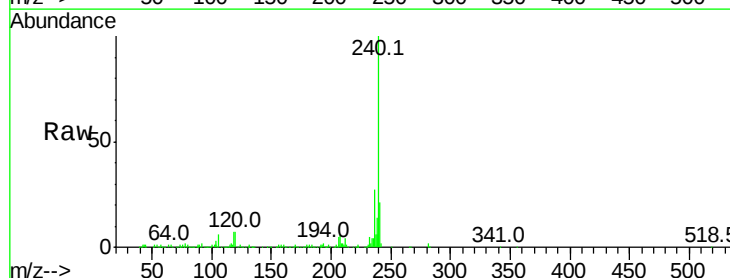


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

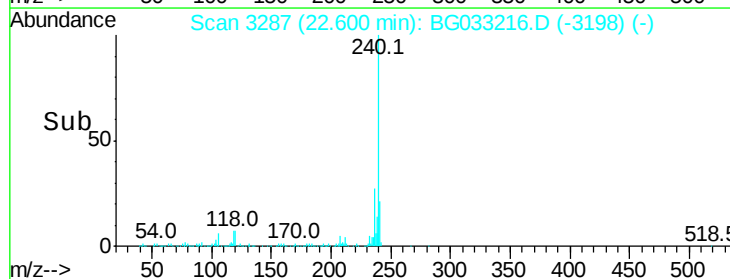
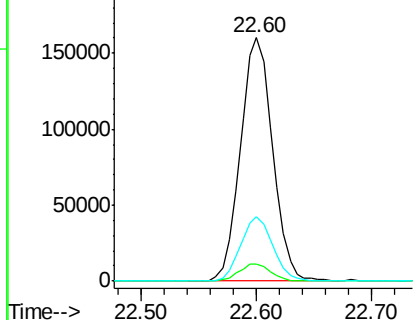


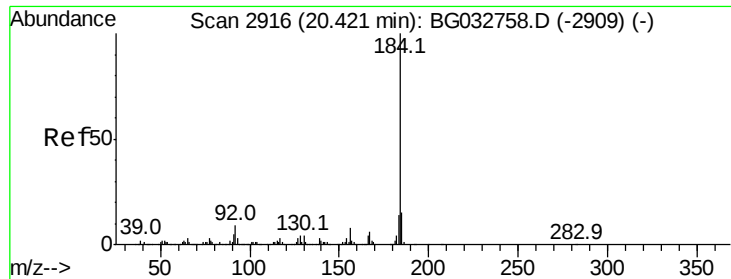
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3287
Delta R.T. -0.01 min
Lab File: BG033216.D
Acq: 17 Mar 2018 3:45

Tgt Ion:240 Resp: 309659
Ion Ratio Lower Upper
240 100
120 6.8 6.8 10.2
236 26.5 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: 2.534 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

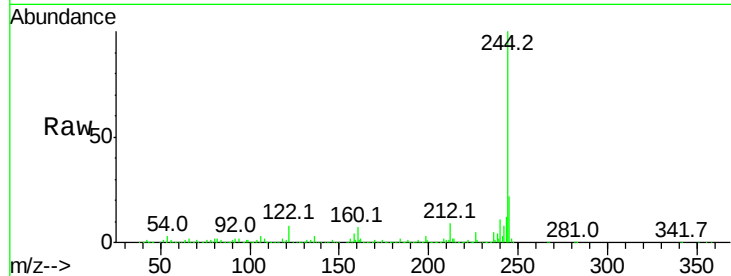
Tot Ion:184 Resp: 26744

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

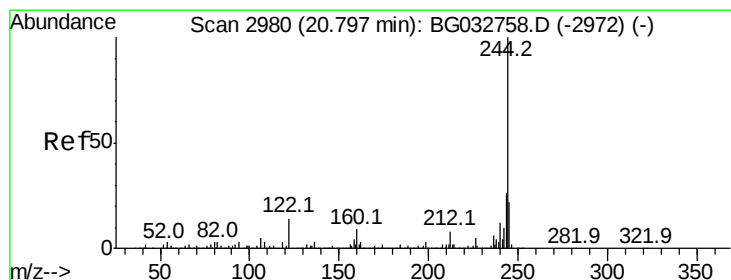
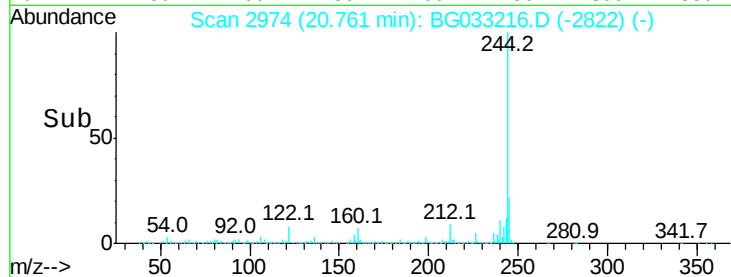
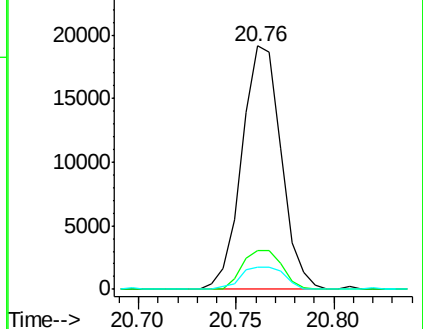
183 8.9 10.6 16.0#



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: 116.420 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

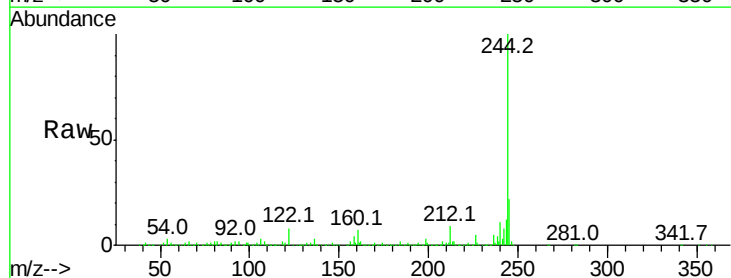
Tgt Ion:244 Resp: 1604583

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

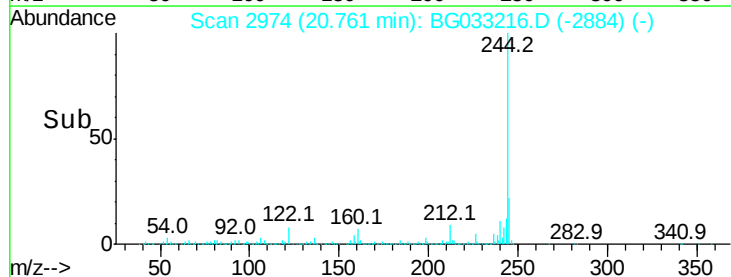
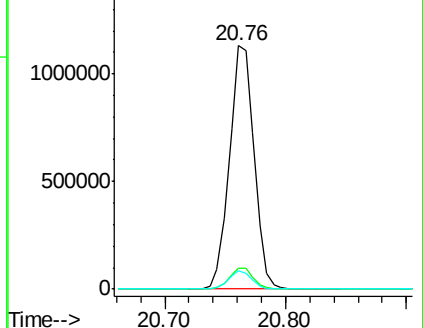
122 7.5 7.0 10.4

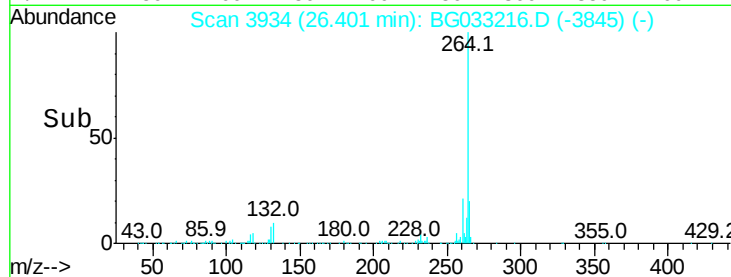
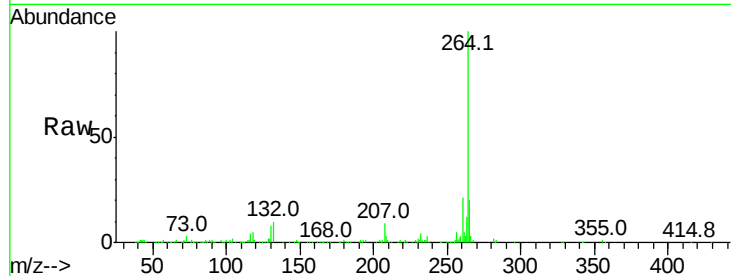
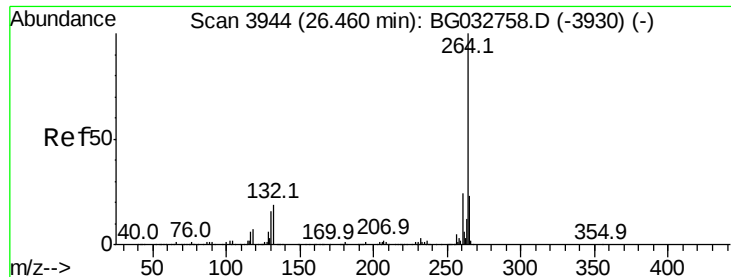


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033216.D

Acq: 17 Mar 2018 3:45

Instrument :

BNA_G

ClientSampleId :

OILY-DEBRIS-RBR200032

Tot Ion:264 Resp: 332632

Ion Ratio Lower Upper

264 100

260 20.8 17.4 26.0

265 20.2 17.7 26.5

