

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032132.D
 Acq On : 18 Jan 2018 10:53
 Operator : SJ/JU
 Sample : J1158-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Quant Time: Jan 18 12:58:44 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

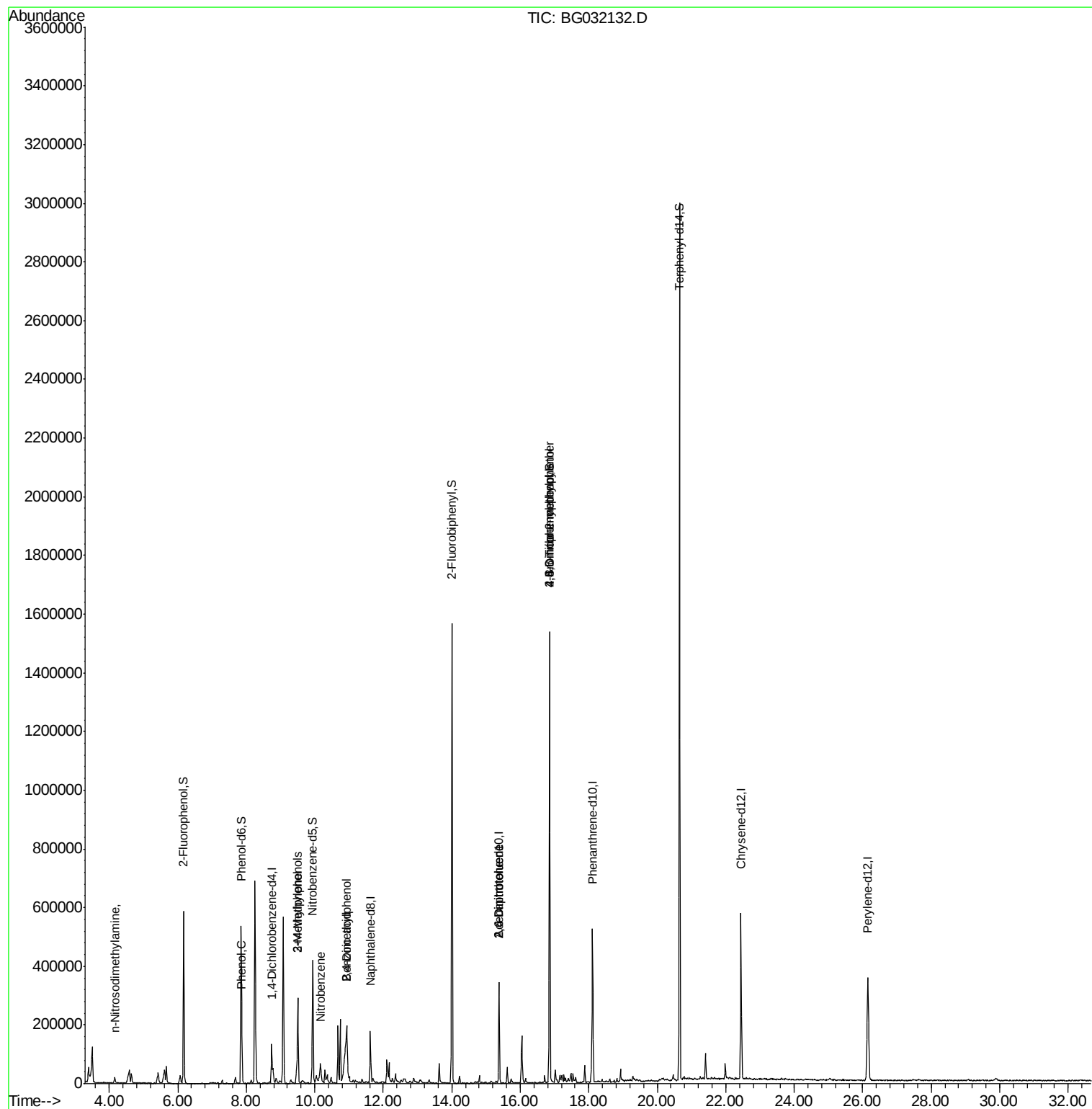
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	43792	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	171697	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	130459	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	350142	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	448104	20.00	ng	-0.03
86) Perylene-d12	26.15	264	478251	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	299421	125.05	ng	-0.02
7) Phenol-d6	7.85	99	344993	114.40	ng	-0.02
23) Nitrobenzene-d5	9.94	82	256549	101.09	ng	-0.03
41) 2,4,6-Tribromophenol	16.85	330	345306	159.95	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	926134	88.02	ng	-0.03
78) Terphenyl-d14	20.65	244	1632552	80.44	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	4.16	42	2576	2.986	ng	Qvalue # 5
10) Phenol	7.88	94	26071	8.776	ng	# 94
17) 2-Methylphenol	9.50	107	140598	61.932	ng	# 76
20) 3+4-Methylphenols	9.50	107	140598	44.706	ng	# 98
24) Nitrobenzene	10.18	77	5241	2.070	ng	# 49
27) 2,4-Dimethylphenol	10.93	122	153974	64.687	ng	# 1
32) Benzoic acid	10.93	122	153974	77.063	ng	# 87
50) 2,6-Dinitrotoluene	15.38	165	16974	7.163	ng	# 21
56) 2,4-Dinitrotoluene	15.38	165	16974	5.321	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	933	5.258	ng	# 13
66) 4-Bromophenyl-phenylether	16.85	248	28673	5.755	ng	# 1

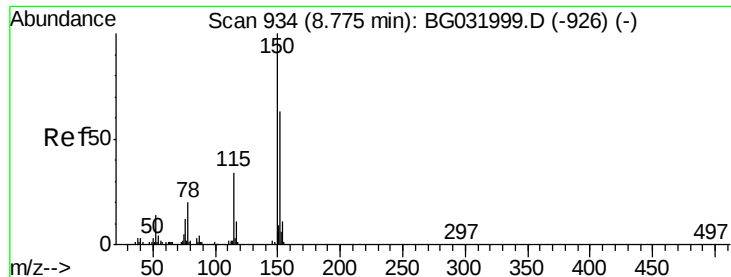
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 15 10:05:15 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.75 min Scan# 929

Delta R.T. -0.03 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

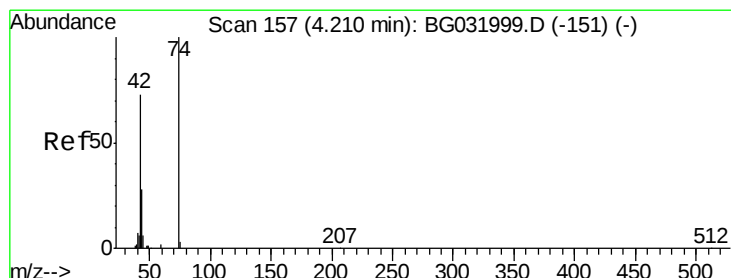
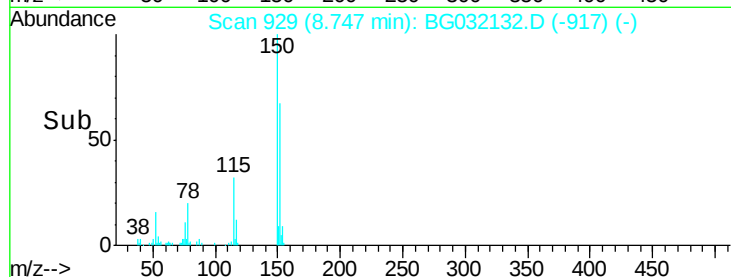
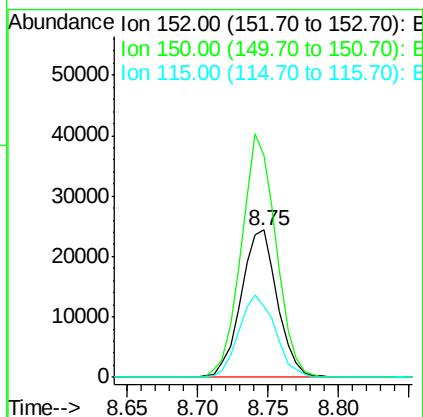
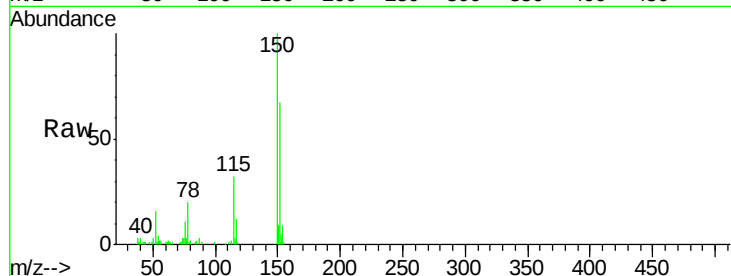
Tgt Ion:152 Resp: 43792

Ion Ratio Lower Upper

152 100

150 150.3 126.6 189.8

115 48.2 53.0 79.4#



#4

n-Nitrosodimethylamine

Concen: 2.986 ng

RT: 4.16 min Scan# 148

Delta R.T. -0.05 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

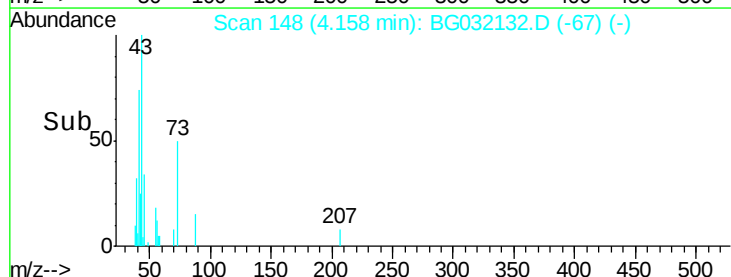
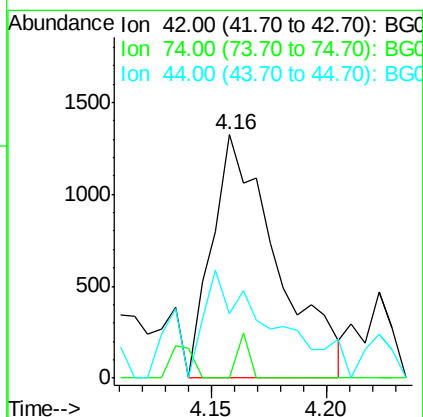
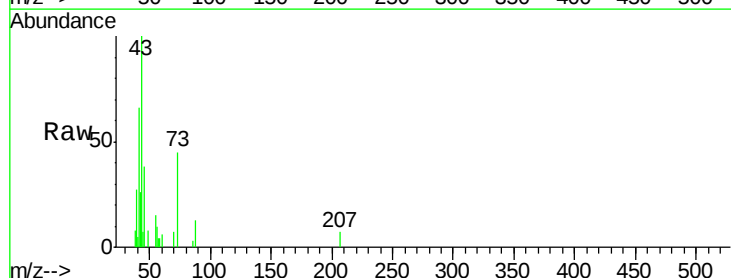
Tgt Ion: 42 Resp: 2576

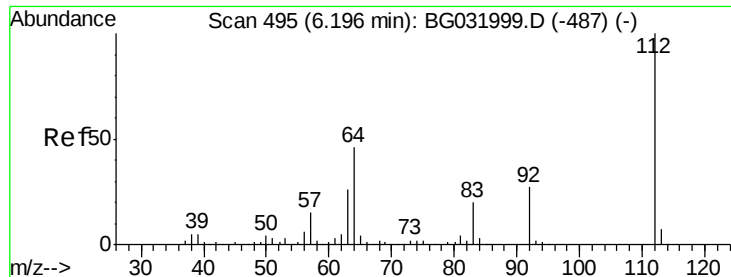
Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

44 26.4 18.9 28.3





#5

2-Fluorophenol

Concen: 125.050 ng

RT: 6.17 min Scan# 491

Delta R.T. -0.02 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampled :

OWS-2

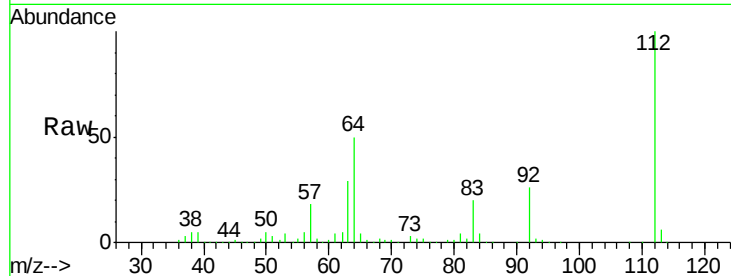
Tgt Ion: 112 Resp: 299421

Ion Ratio Lower Upper

112 100

64 50.1 56.3 84.5#

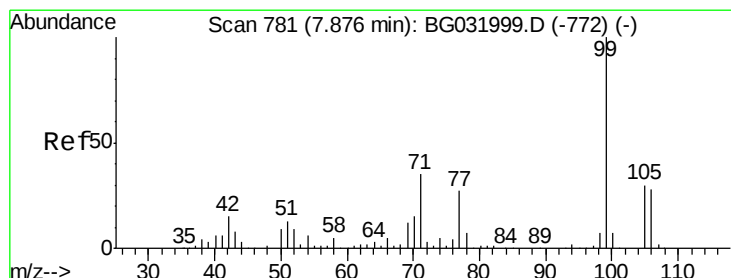
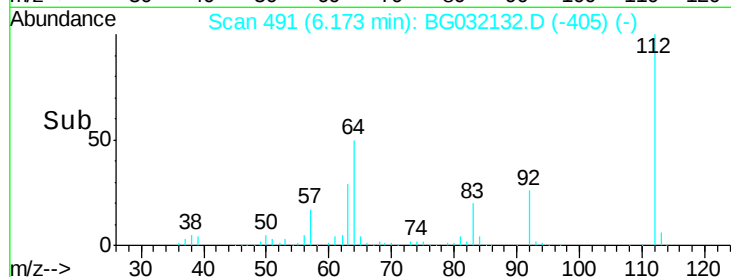
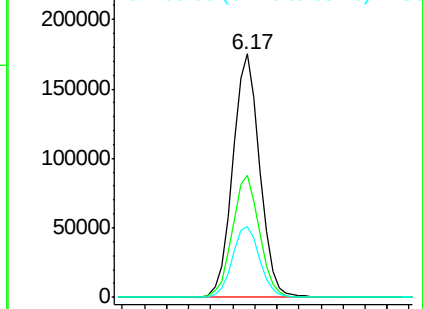
63 28.8 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 114.403 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

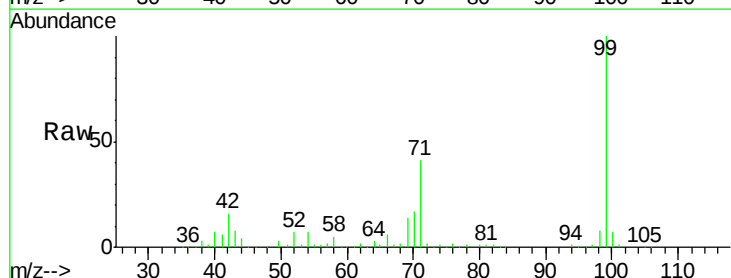
Tgt Ion: 99 Resp: 344993

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

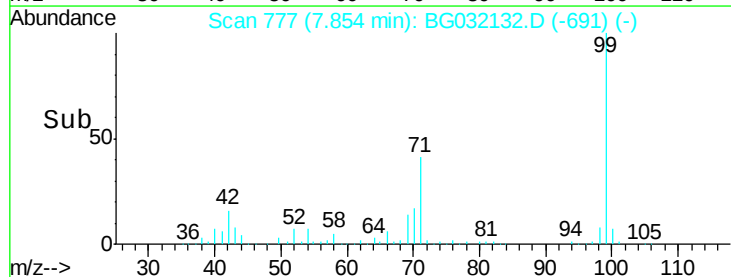
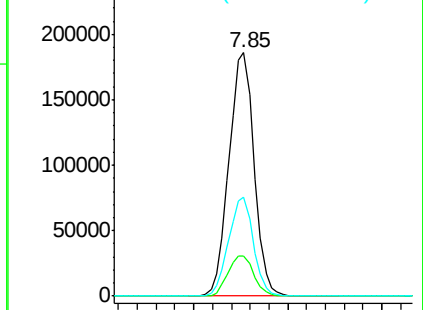
71 40.8 26.1 39.1#

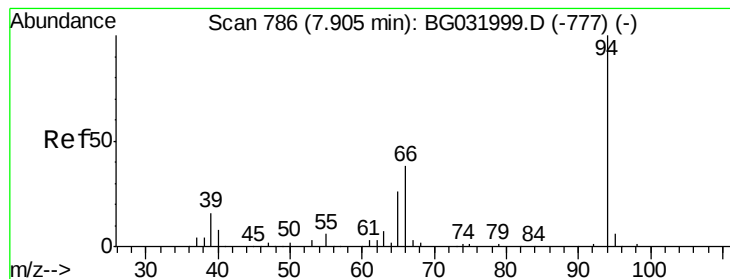


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 8.776 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.03 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

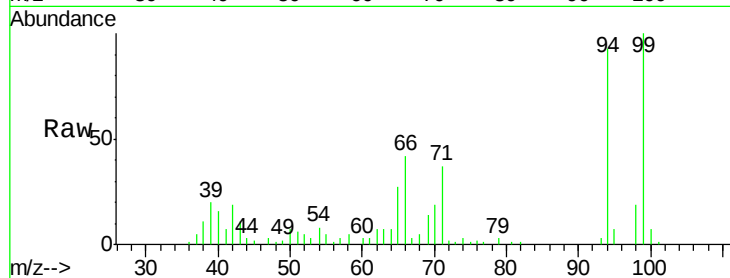
Tgt Ion: 94 Resp: 26071

Ion Ratio Lower Upper

94 100

65 28.5 11.9 51.9

66 45.5 22.2 62.2

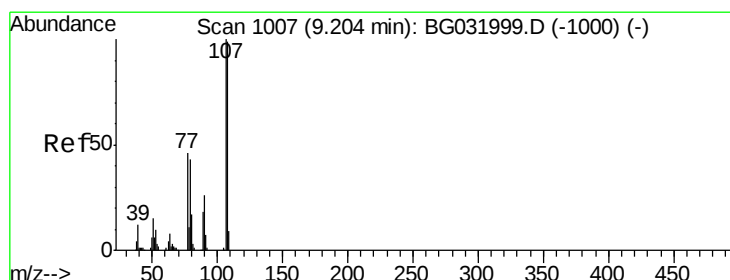
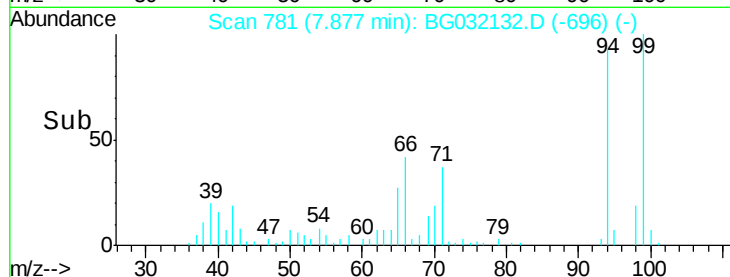
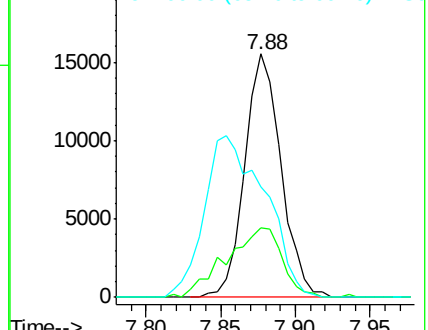


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#17

2-Methylphenol

Concen: 61.932 ng

RT: 9.50 min Scan# 1058

Delta R.T. 0.30 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Tgt Ion: 107 Resp: 140598

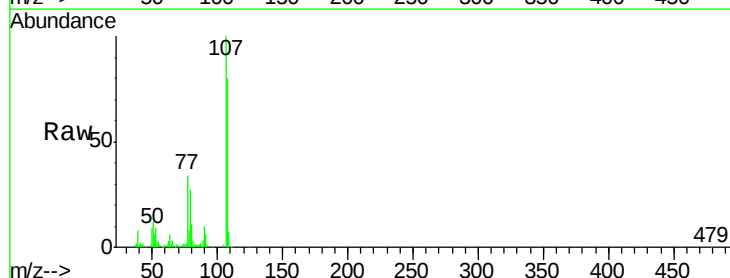
Ion Ratio Lower Upper

107 100

108 79.5 83.9 125.9#

77 34.2 37.2 55.8#

79 27.0 36.2 54.2#



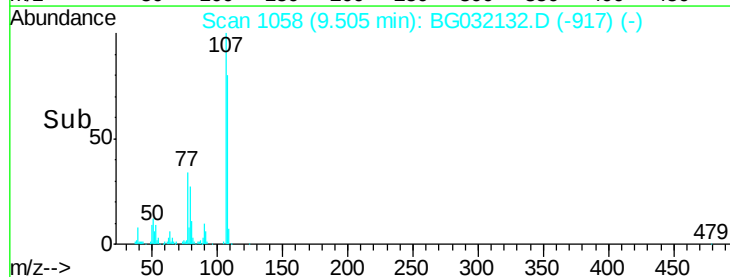
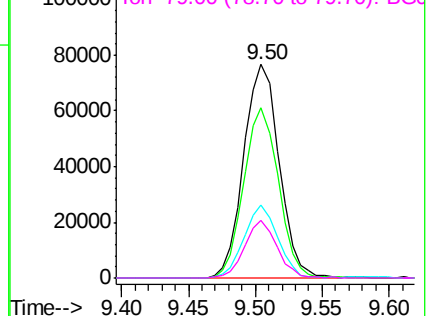
Abundance

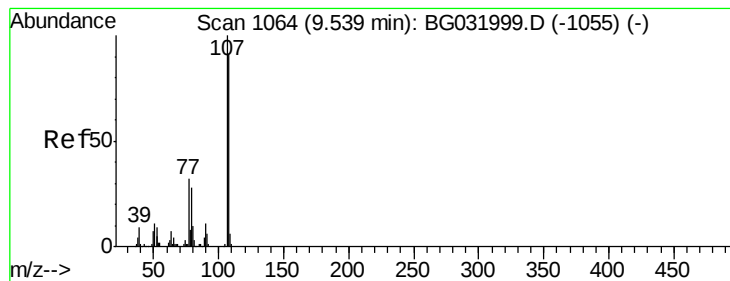
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#20

3+4-Methylphenols

Concen: 44.706 ng

RT: 9.50 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

Tgt Ion:107 Resp: 140598

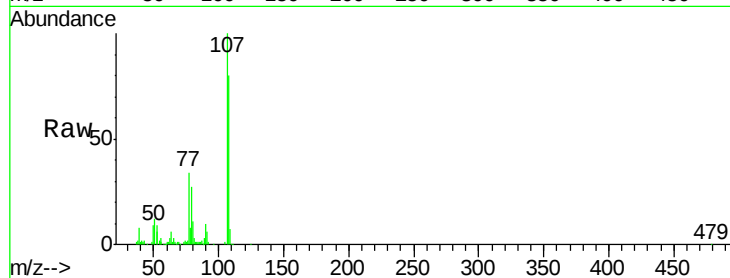
Ion Ratio Lower Upper

107 100

108 79.5 61.6 101.6

77 34.2 13.9 53.9

79 27.0 8.8 48.8

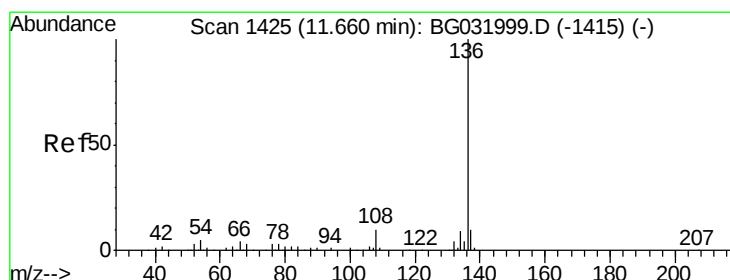
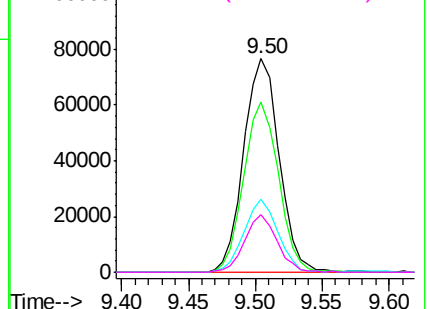
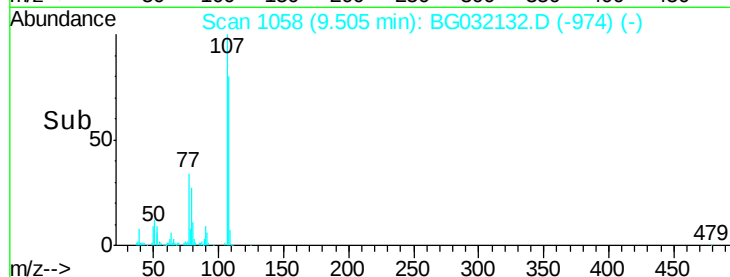


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.63 min Scan# 1419

Delta R.T. -0.03 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Tgt Ion:136 Resp: 171697

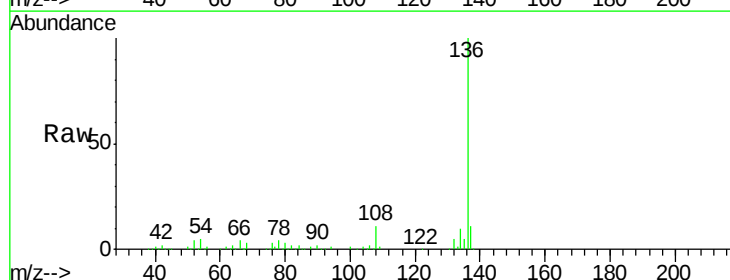
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.2 10.3 15.5#

68 2.9 4.5 6.7#

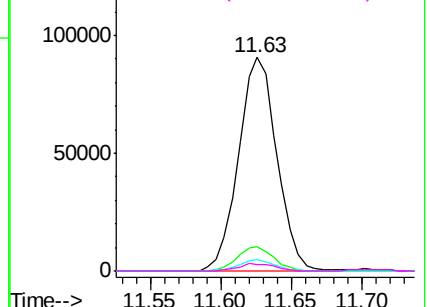
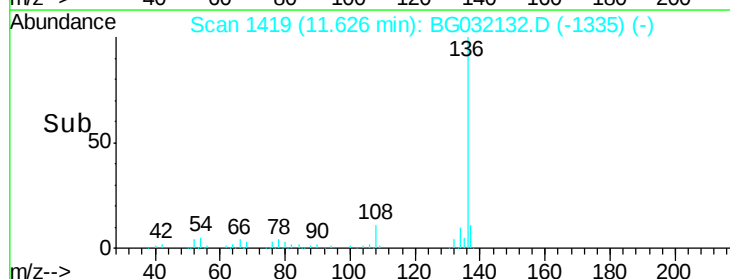


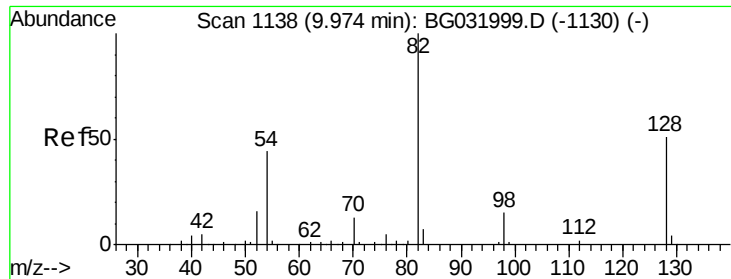
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

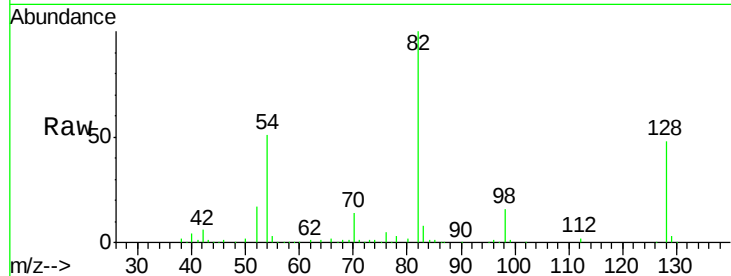




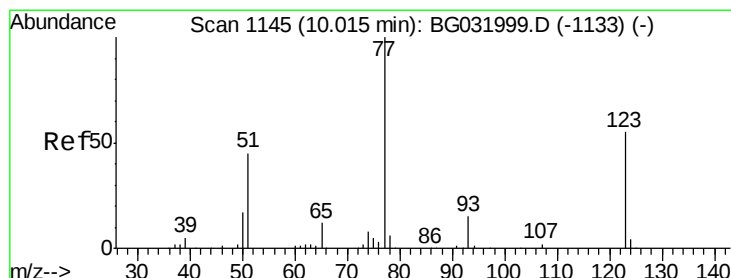
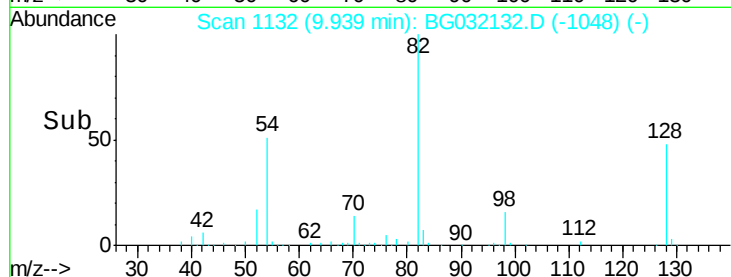
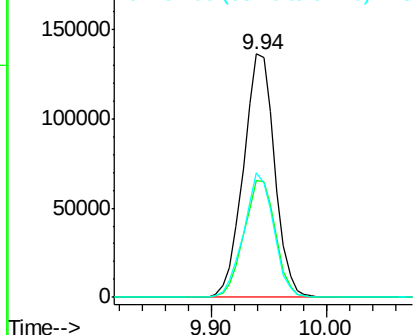
#23
 Nitrobenzene-d5
 Concen: 101.089 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion: 82 Resp: 256549
 Ion Ratio Lower Upper
 82 100
 128 48.1 29.7 44.5#
 54 51.0 43.1 64.7

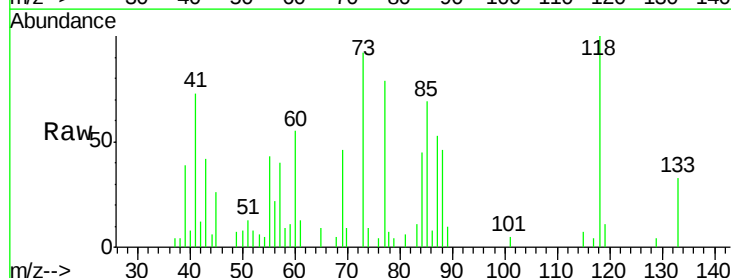


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

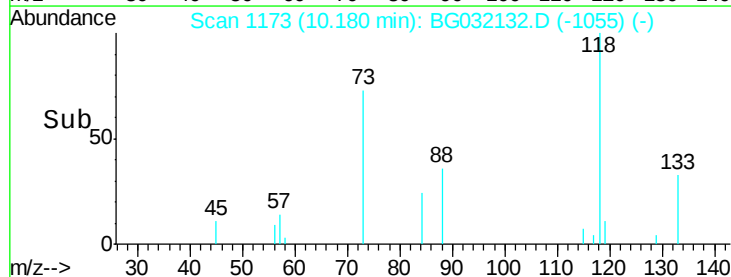
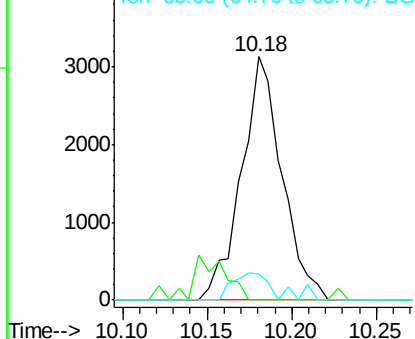


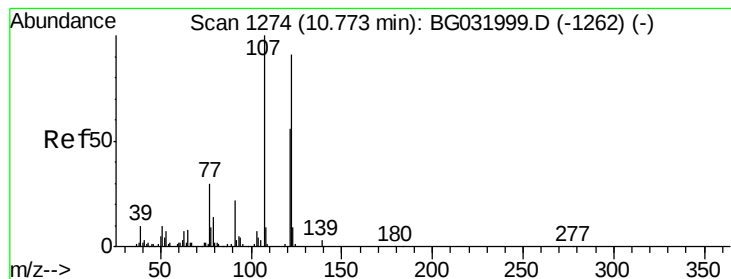
#24
 Nitrobenzene
 Concen: 2.070 ng
 RT: 10.18 min Scan# 1173
 Delta R.T. 0.17 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Tgt Ion: 77 Resp: 5241
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 10.9 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





#27

2,4-Dimethylphenol

Concen: 64.687 ng

RT: 10.93 min Scan# 1300

Delta R.T. 0.15 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

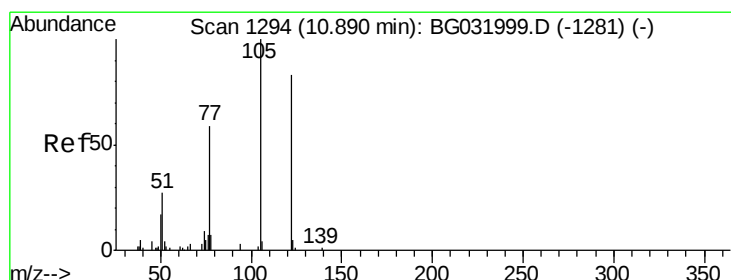
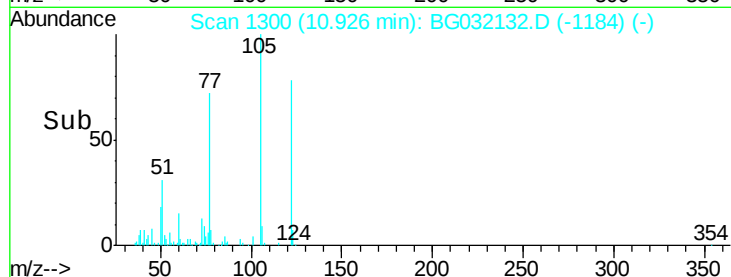
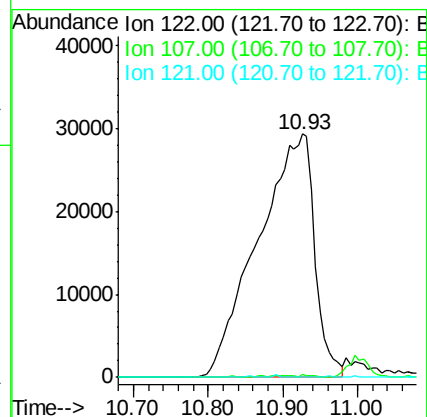
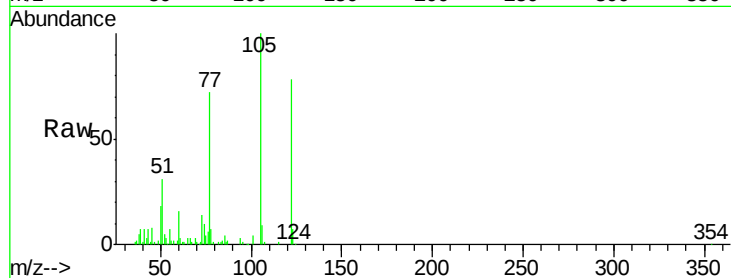
Tgt Ion:122 Resp: 153974

Ion Ratio Lower Upper

122 100

107 1.4 100.2 150.2#

121 0.0 44.4 66.6#



#32

Benzoic acid

Concen: 77.063 ng

RT: 10.93 min Scan# 1300

Delta R.T. 0.04 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

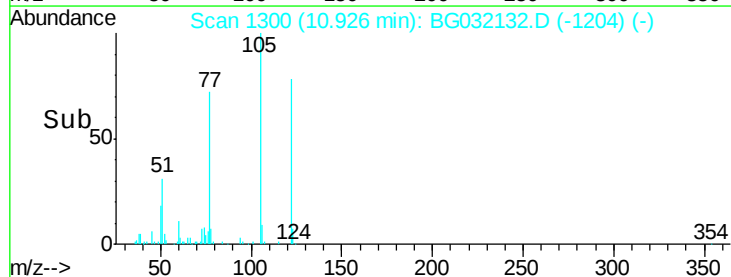
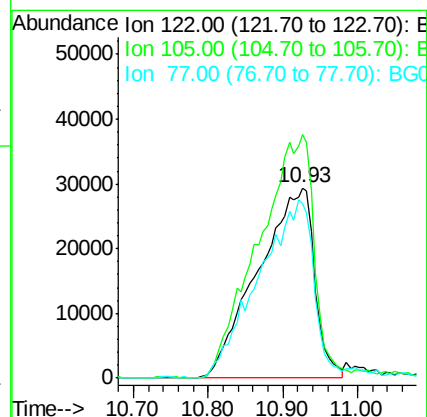
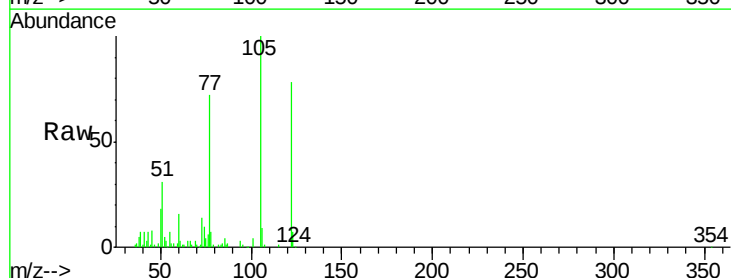
Tgt Ion:122 Resp: 153974

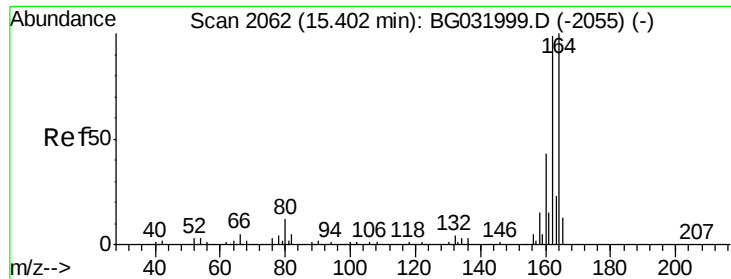
Ion Ratio Lower Upper

122 100

105 128.1 123.5 163.5

77 91.6 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

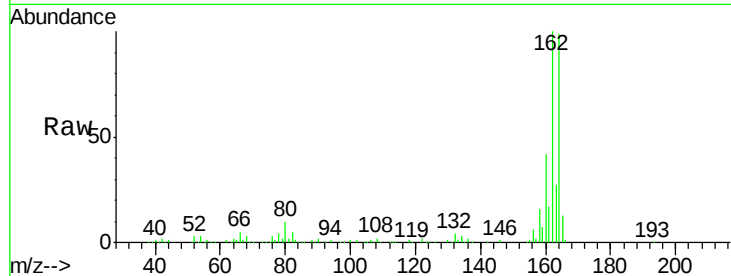
Tgt Ion:164 Resp: 130459

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

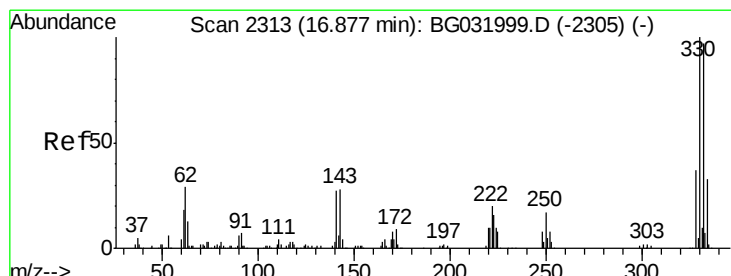
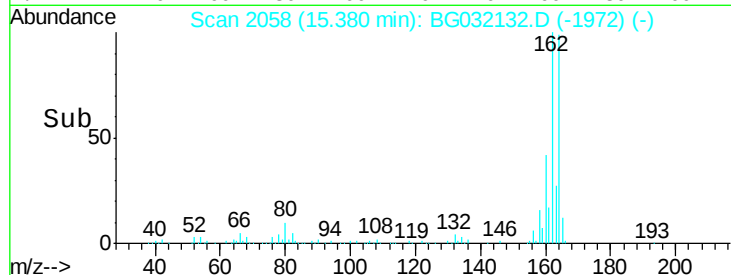
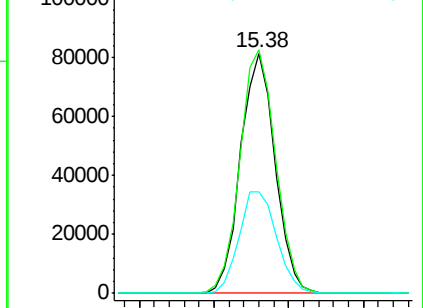
160 42.4 35.4 53.0



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: 159.953 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

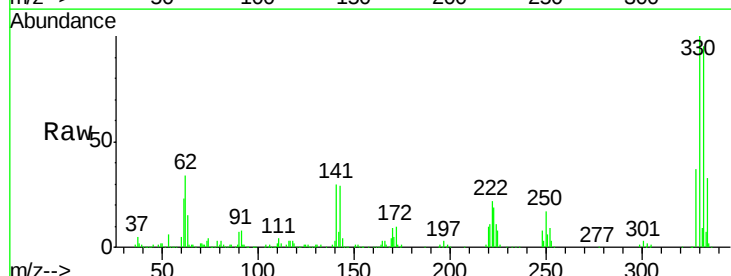
Tgt Ion:330 Resp: 345306

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

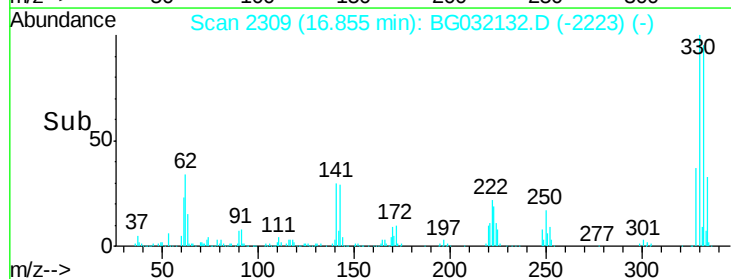
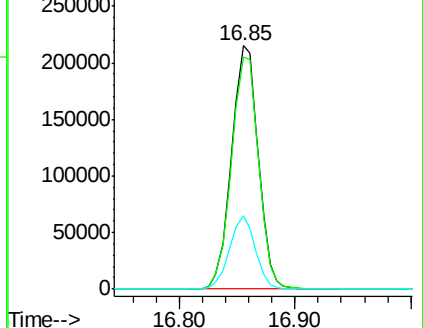
141 28.8 25.2 37.8

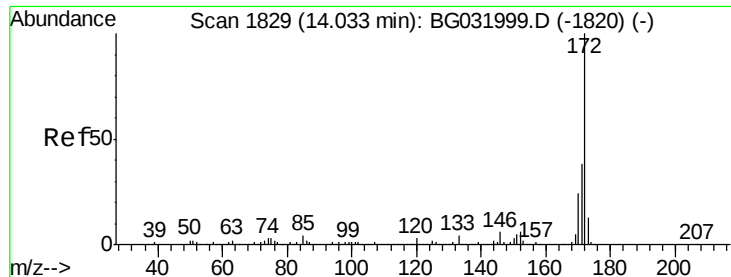


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

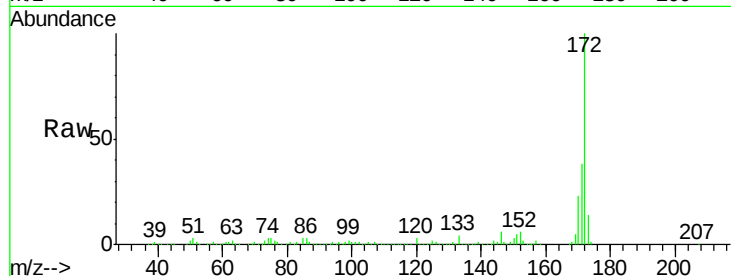




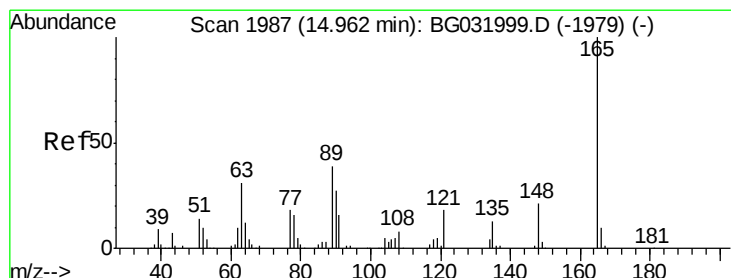
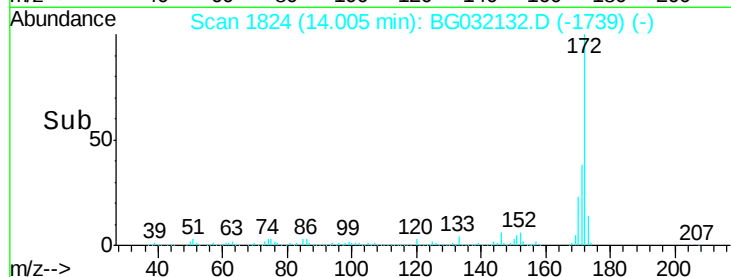
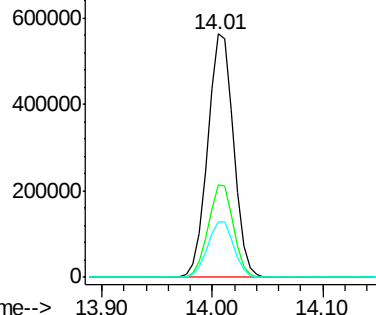
#44
 2-Fluorobiphenyl
 Concen: 88.025 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.03 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:172 Resp: 926134
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 22.9 19.5 29.3

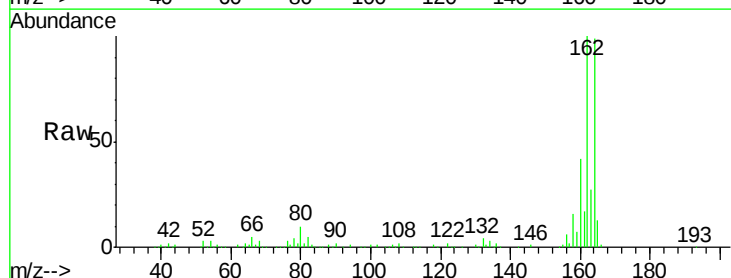


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

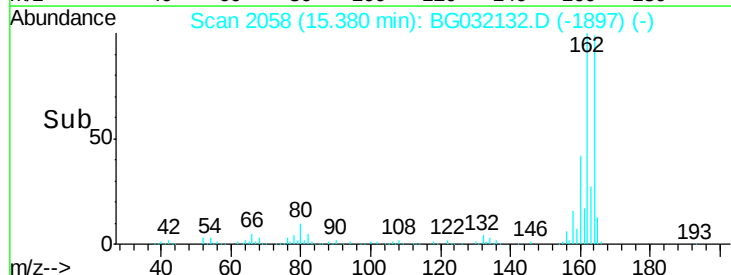
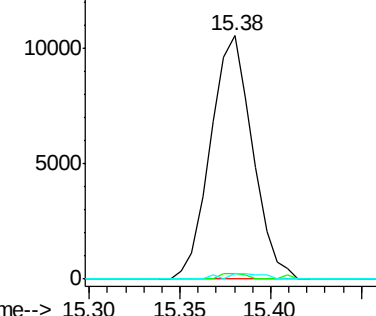


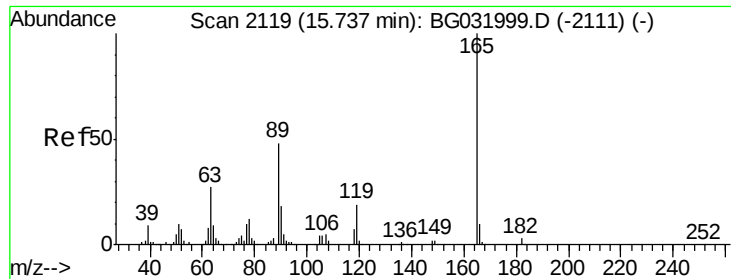
#50
 2,6-Dinitrotoluene
 Concen: 7.163 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.42 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Tgt Ion:165 Resp: 16974
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 2.4 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

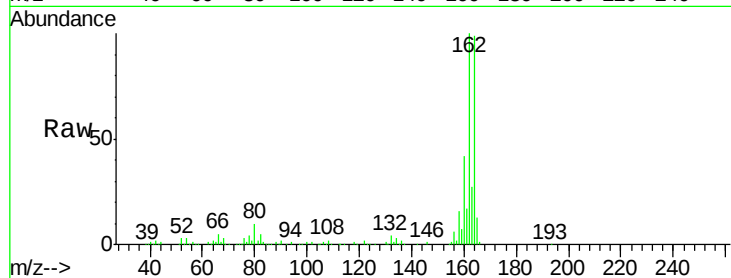




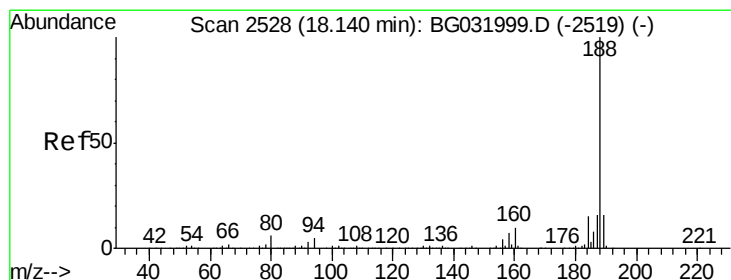
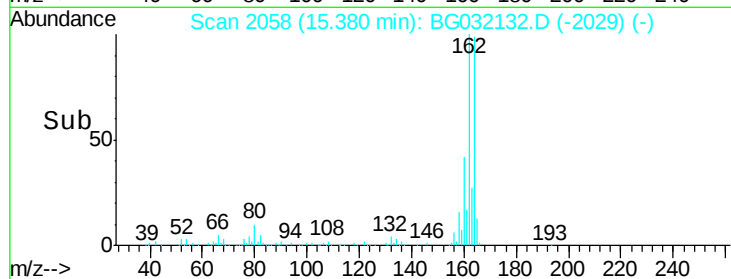
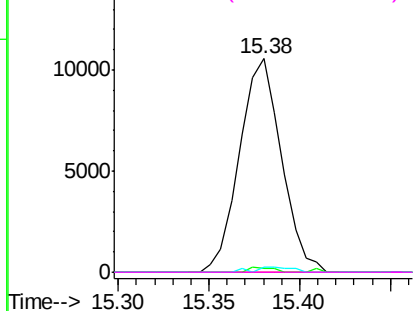
#56
 2,4-Dinitrotoluene
 Concen: 5.321 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.36 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:165 Resp: 16974
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 2.4 66.9 100.3#
 182 0.0 2.6 3.8#

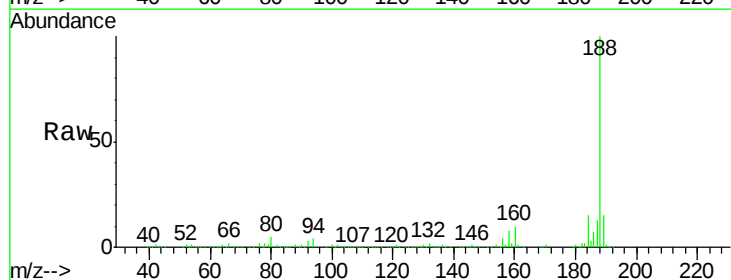


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

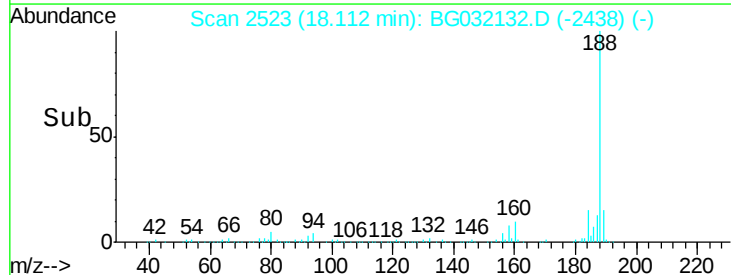
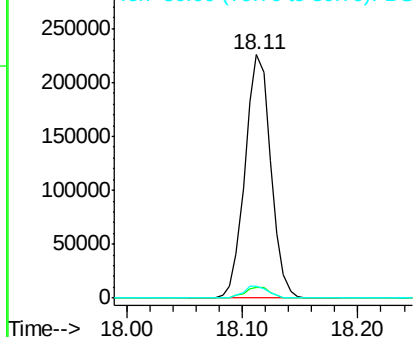


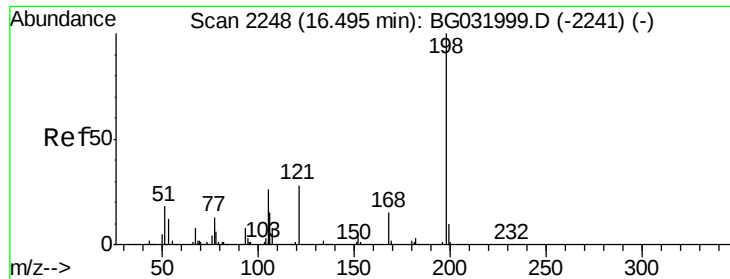
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.03 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Tgt Ion:188 Resp: 350142
 Ion Ratio Lower Upper
 188 100
 94 4.2 6.9 10.3#
 80 5.0 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

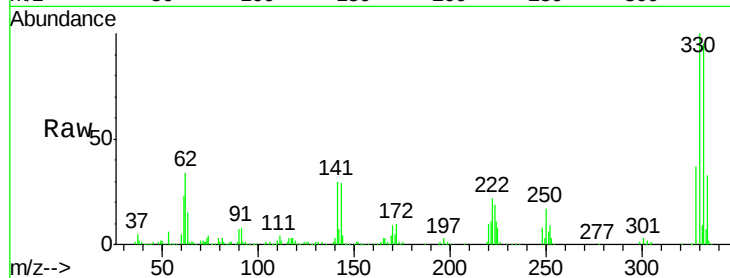




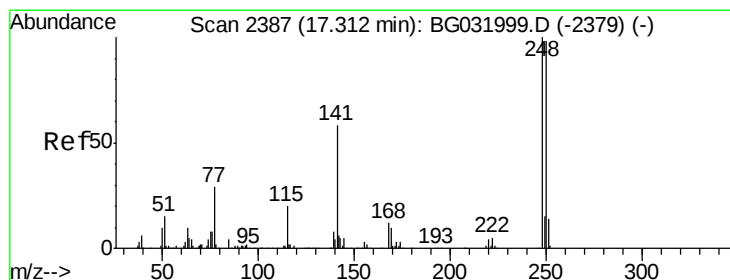
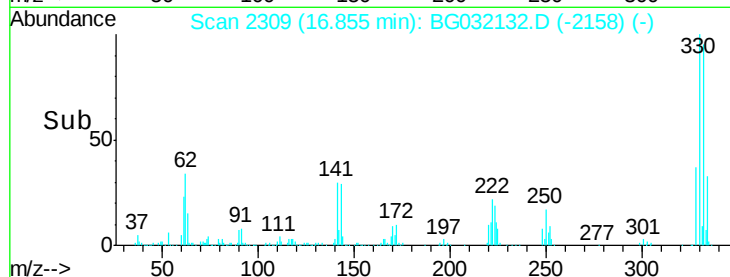
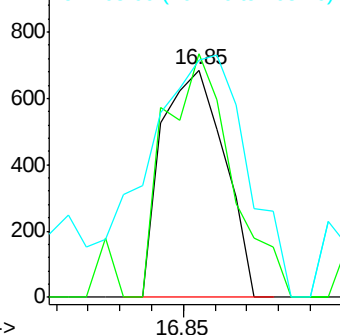
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.258 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. 0.36 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tgt Ion:198 Resp: 933
 Ion Ratio Lower Upper
 198 100
 51 107.2 30.6 70.6#
 105 104.5 23.8 63.8#

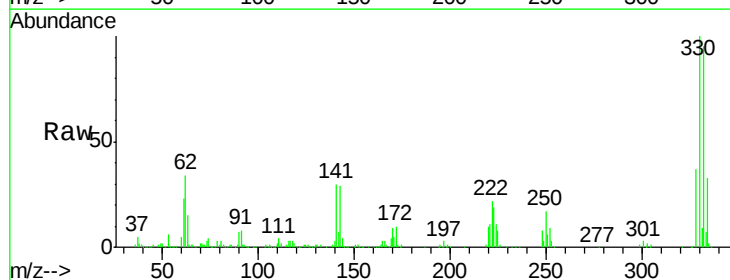


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

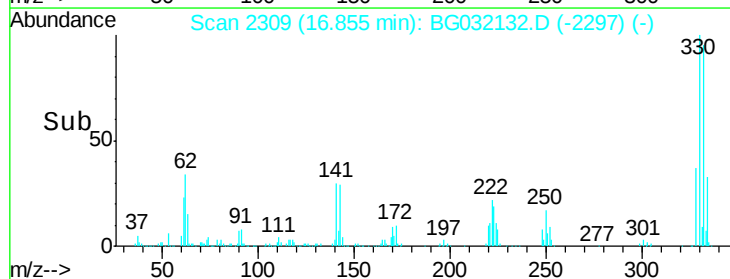
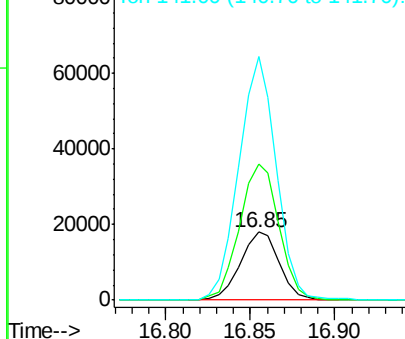


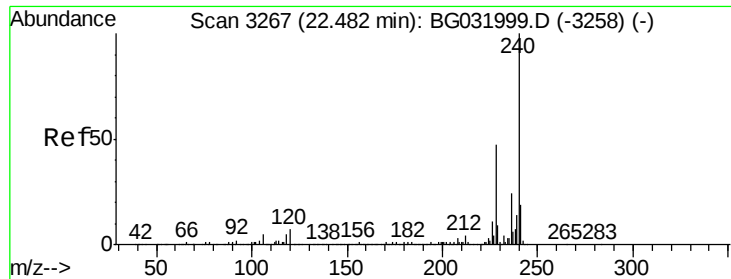
#66
 4-Bromophenyl-phenylether
 Concen: 5.755 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.46 min
 Lab File: BG032132.D
 Acq: 18 Jan 2018 10:53

Tgt Ion:248 Resp: 28673
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.1 115.7#
 141 357.7 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: 22.45 min Scan# 3261

Delta R.T. -0.03 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

Instrument :

BNA_G

ClientSampleId :

OWS-2

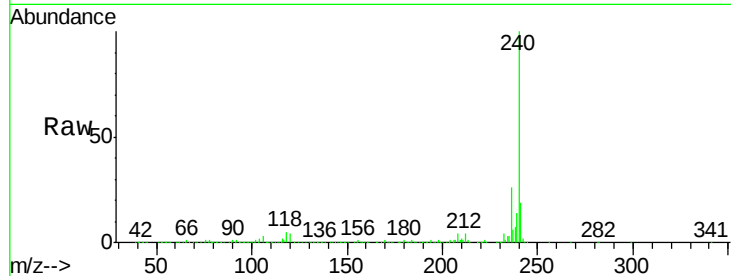
Tgt Ion:240 Resp: 448104

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

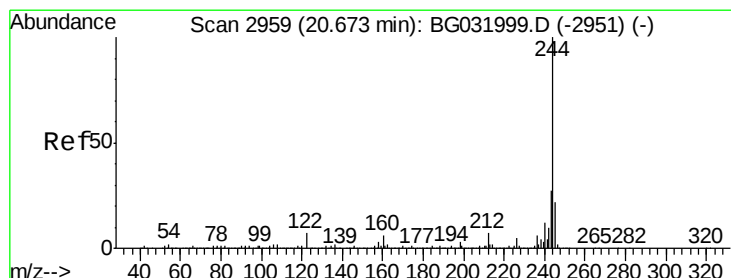
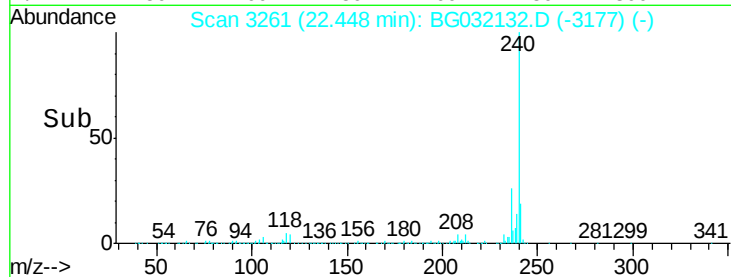
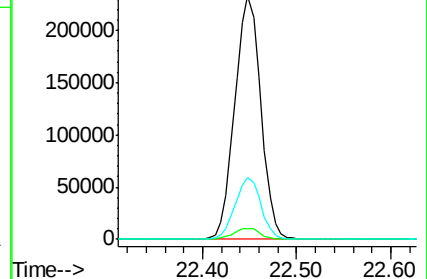
236 25.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 80.444 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032132.D

Acq: 18 Jan 2018 10:53

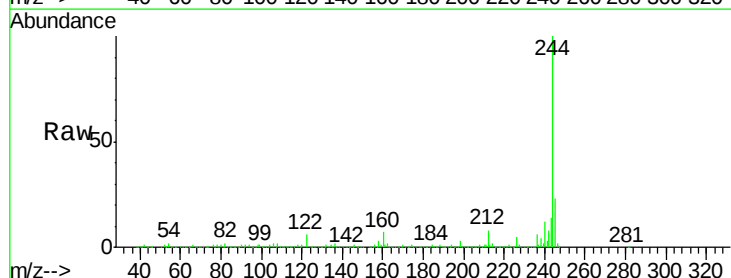
Tgt Ion:244 Resp: 1632552

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

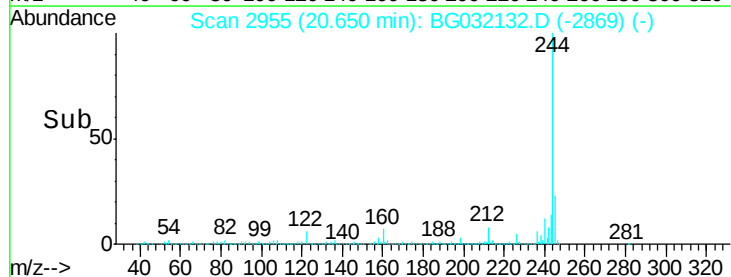
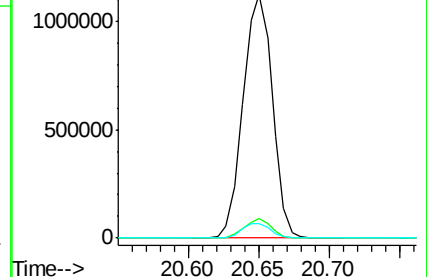
122 6.2 7.0 10.4#

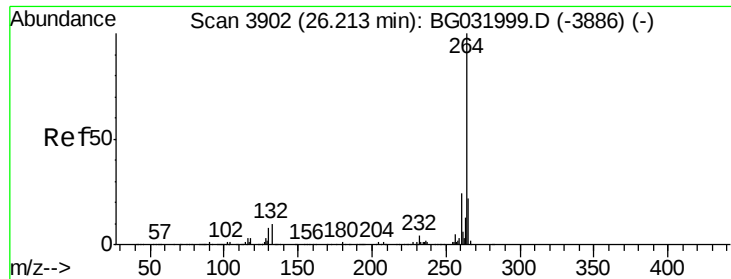


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



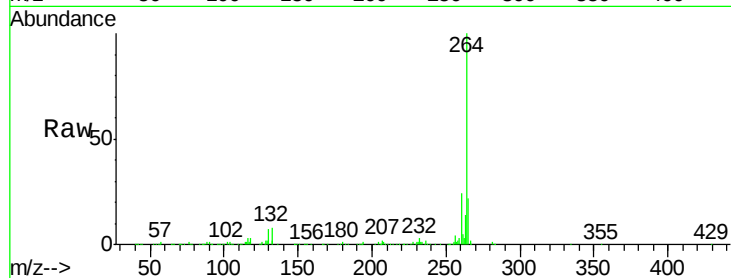


#86
Perylene-d12
Concen: 20.000 ng
RT: 26.15 min Scan# 3891
Delta R.T. -0.06 min
Lab File: BG032132.D
Acq: 18 Jan 2018 10:53

Instrument :
BNA_G
ClientSampleId :
OWS-2

Tgt Ion: 264 Resp: 478251

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.0	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

