

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033064.D
 Acq On : 9 Mar 2018 6:40
 Operator : SJ/JU
 Sample : J1826-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 07:31:32 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	49865	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	216517	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	117186	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	264824	20.00	ng	0.00
75) Chrysene-d12	22.61	240	255039	20.00	ng	0.00
86) Perylene-d12	26.42	264	222859	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.33	112	480959	154.31	ng	0.00
7) Phenol-d6	8.00	99	578589	133.18	ng	0.00
23) Nitrobenzene-d5	10.11	82	426583	130.69	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	209723	170.21	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	898091	110.53	ng	0.00
78) Terphenyl-d14	20.77	244	1304585	114.93	ng	0.00

Target Compounds

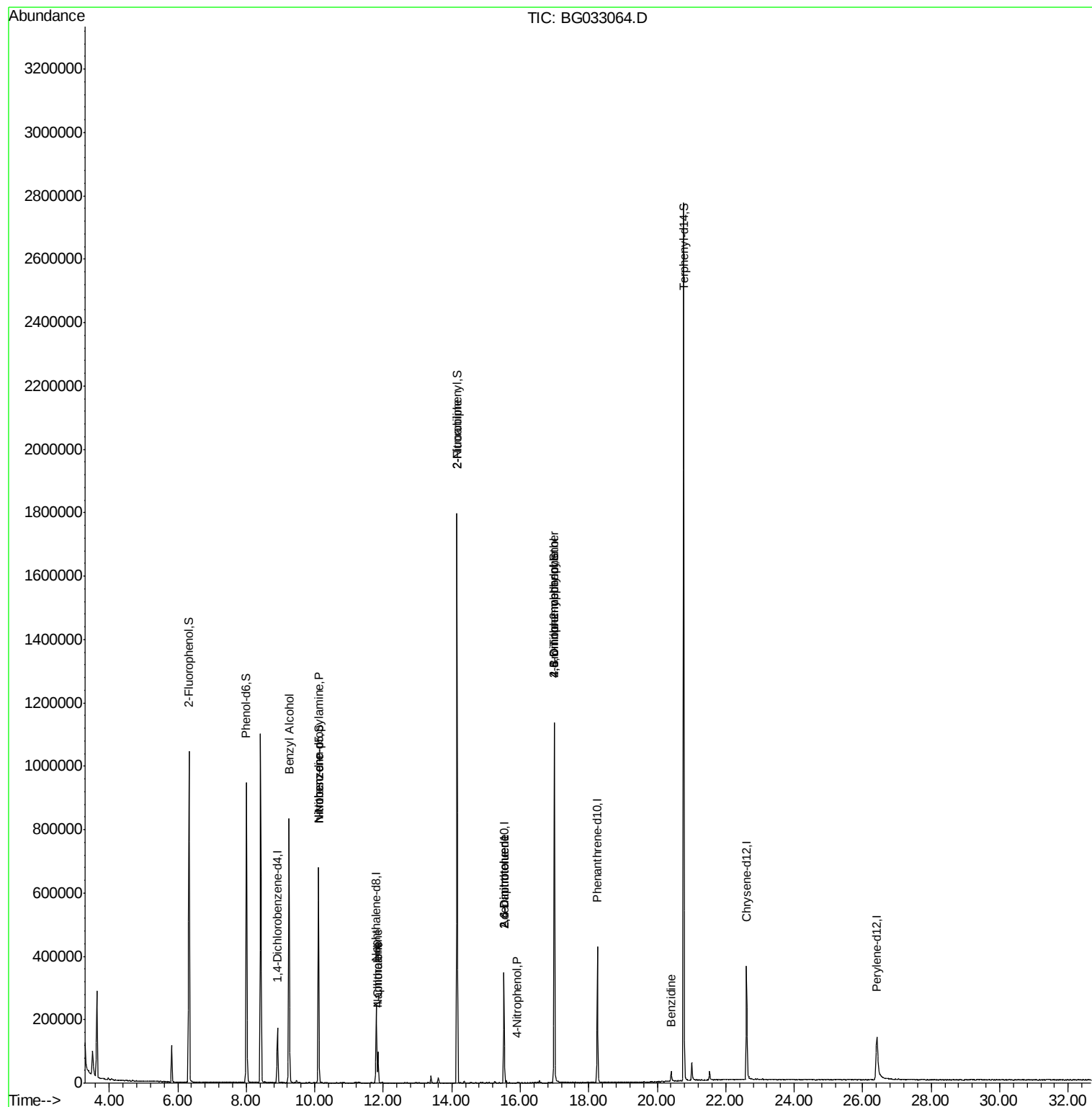
						Qvalue
15) Benzyl Alcohol	9.25	79	7465	2.337	ng	# 38
19) n-Nitroso-di-n-propylamine	10.11	70	56748	18.502	ng	# 80
24) Nitrobenzene	10.11	77	1249	6.694	ng	# 26
31) Naphthalene	11.85	128	85850	7.588	ng	100
33) 4-Chloroaniline	11.85	127	11928	2.358	ng	# 39
47) 2-Nitroaniline	14.16	65	1613	10.500	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	15497	16.563	ng	# 20
55) 4-Nitrophenol	15.92	139	731	7.489	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	15497	14.762	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	589	5.893	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14951	5.339	ng	# 1
76) Benzidine	20.41	184	28377	3.264	ng	97

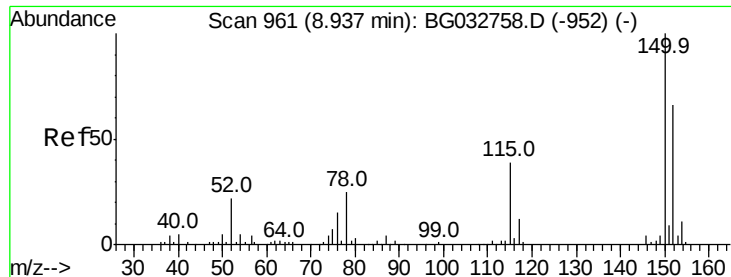
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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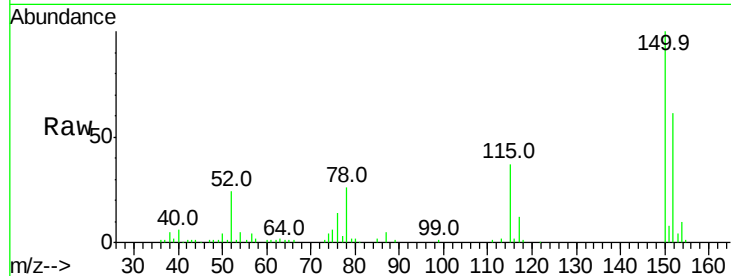


#1

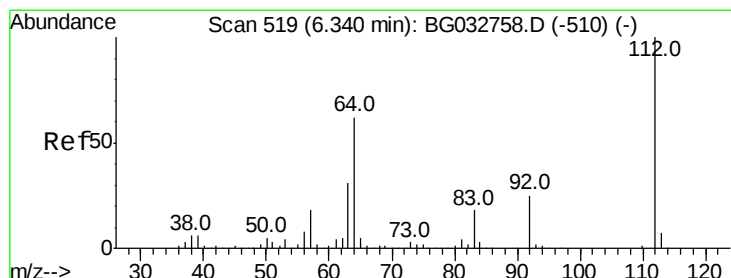
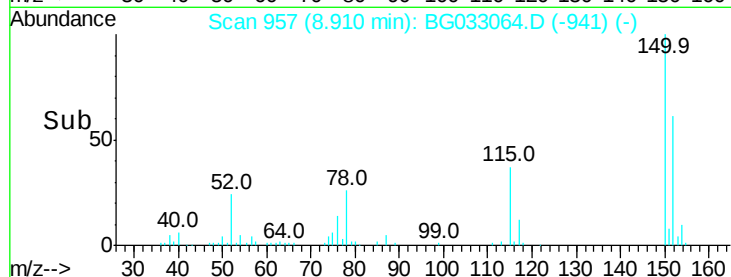
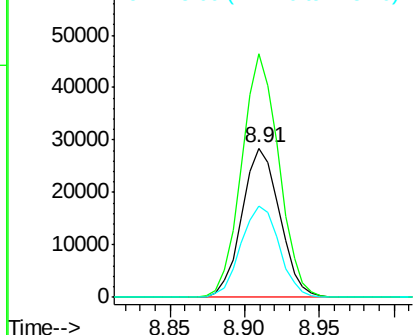
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 49865
Ion Ratio Lower Upper
152 100
150 163.1 126.6 189.8
115 60.9 53.0 79.4



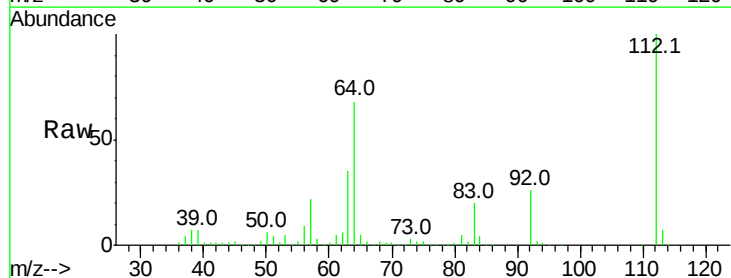
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



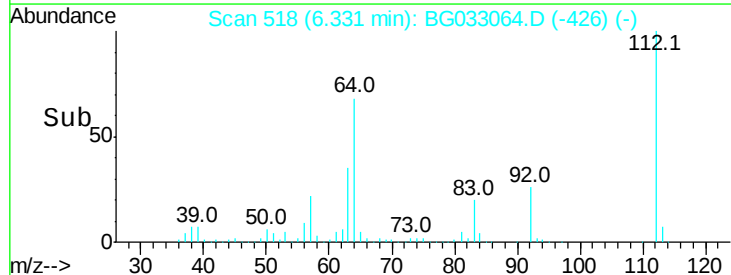
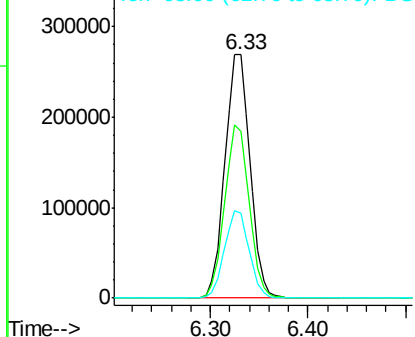
#5

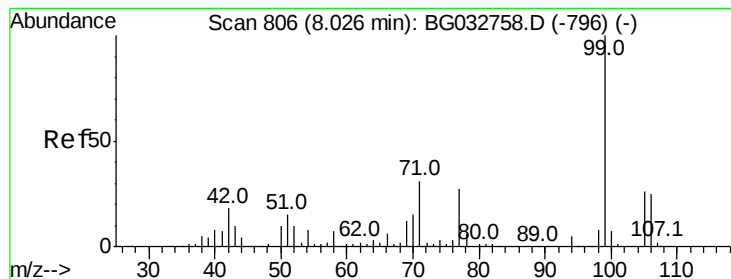
2-Fluorophenol
Concen: 154.310 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

Tgt Ion:112 Resp: 480959
Ion Ratio Lower Upper
112 100
64 68.4 56.3 84.5
63 34.7 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: 133.179 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampleId :

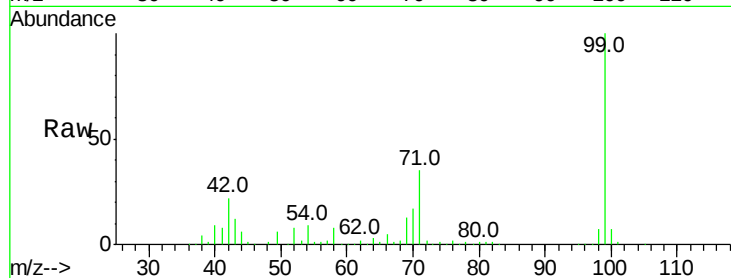
Tot Ion: 99 Resp: 578589

Ion Ratio Lower Upper

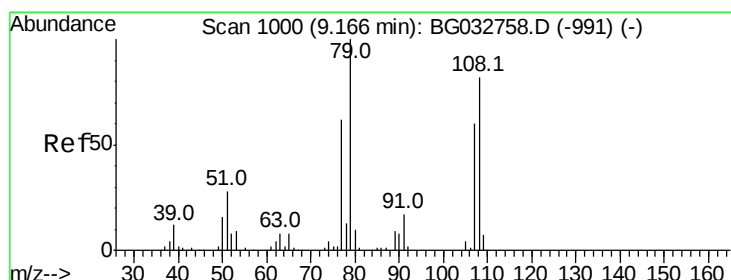
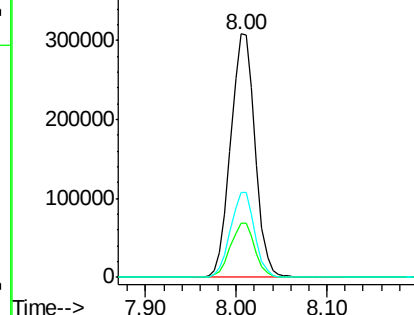
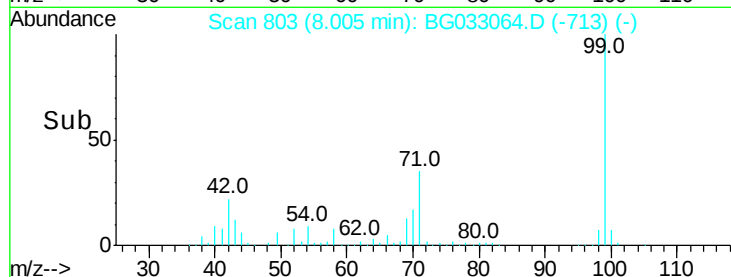
99 100

42 22.4 14.1 21.1#

71 34.8 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



#15

Benzyl Alcohol

Concen: 2.337 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

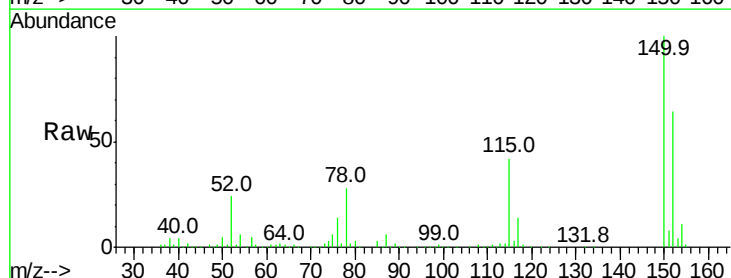
Tgt Ion: 79 Resp: 7465

Ion Ratio Lower Upper

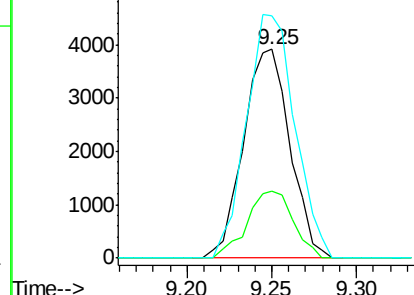
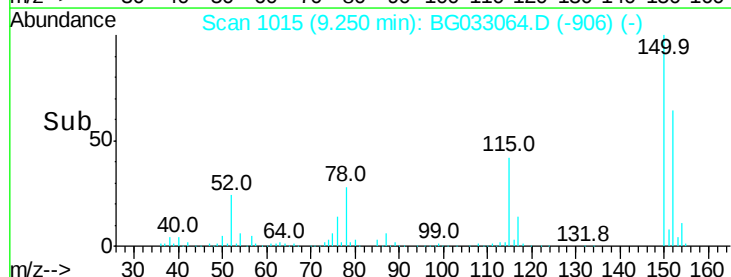
79 100

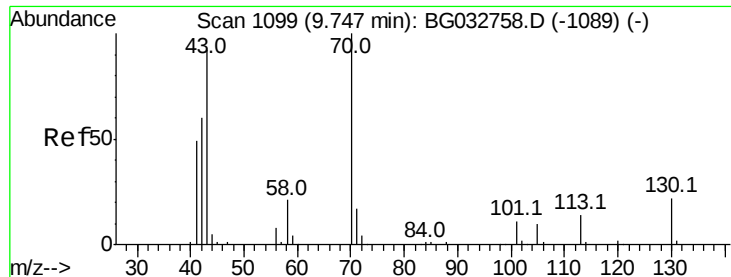
108 31.8 57.2 85.8#

77 115.8 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: 18.502 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 56748

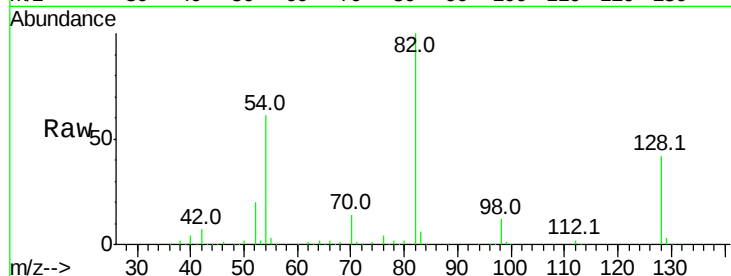
Ion Ratio Lower Upper

70 100

42 49.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

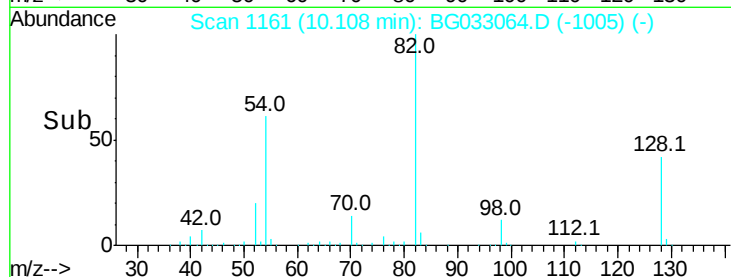


Abundance Ion 70.00 (69.70 to 70.70): BGC

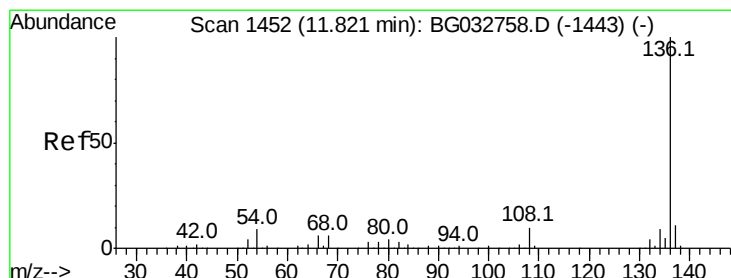
Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



Time--> 10.00 10.10 10.20



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.79 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Tgt Ion: 136 Resp: 216517

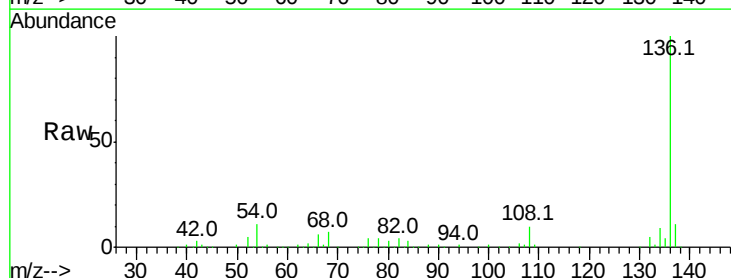
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 10.9 10.3 15.5

68 6.5 4.5 6.7

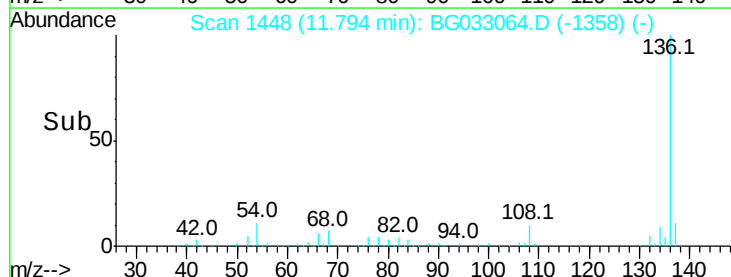


Abundance Ion 136.00 (135.70 to 136.70): BGC

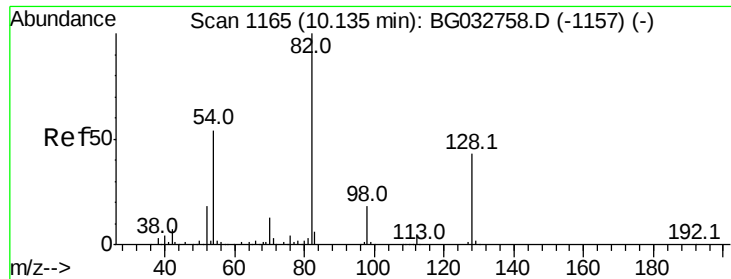
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



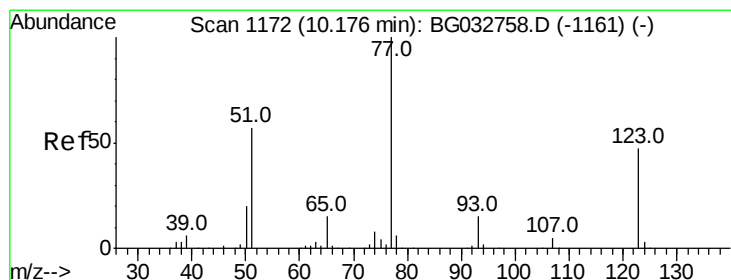
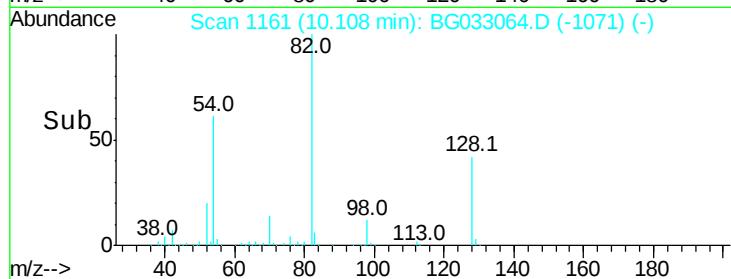
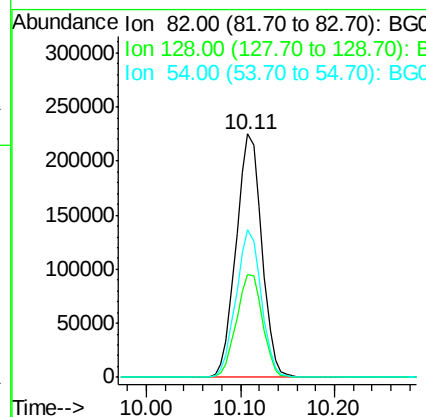
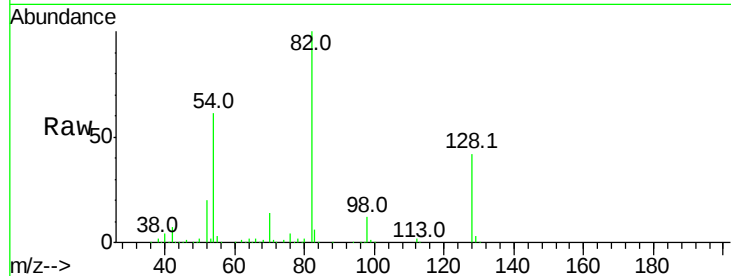
Time--> 11.70 11.80 11.90



#23
 Nitrobenzene-d5
 Concen: 130.691 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BG033064.D
 Acq: 9 Mar 2018 6:40

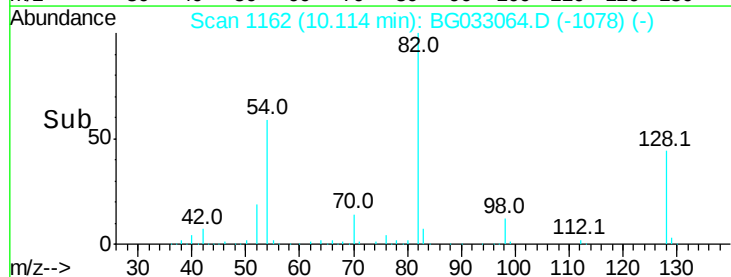
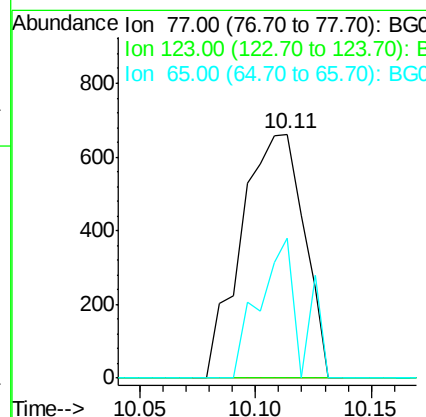
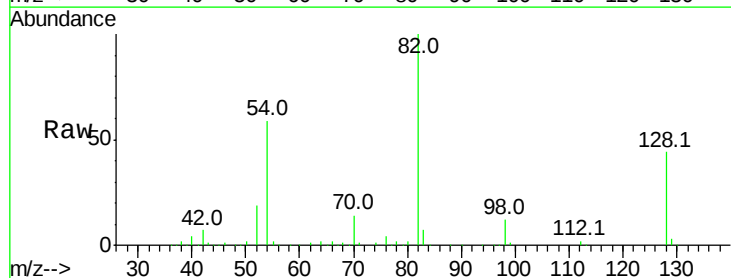
Instrument :
 BNA_G
 ClientSampleId :

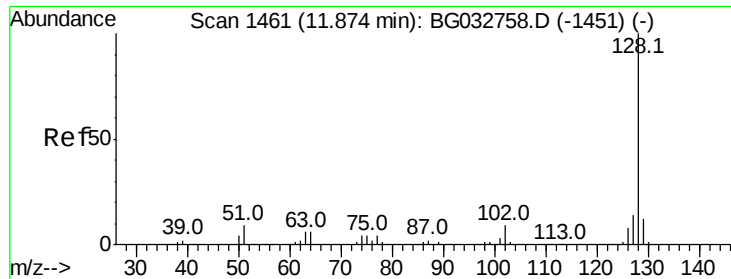
Tot Ion: 82 Resp: 426583
 Ion Ratio Lower Upper
 82 100
 128 42.1 29.7 44.5
 54 60.7 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.694 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.04 min
 Lab File: BG033064.D
 Acq: 9 Mar 2018 6:40

Tgt Ion: 77 Resp: 1249
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 57.5 13.0 19.6#

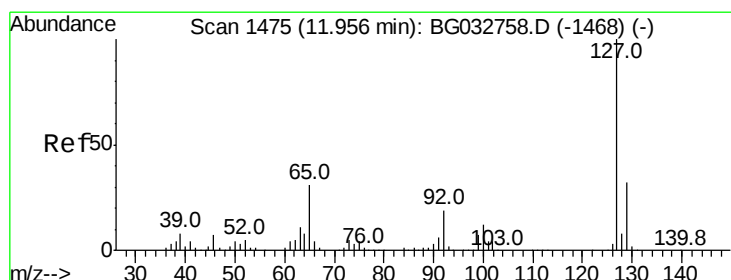
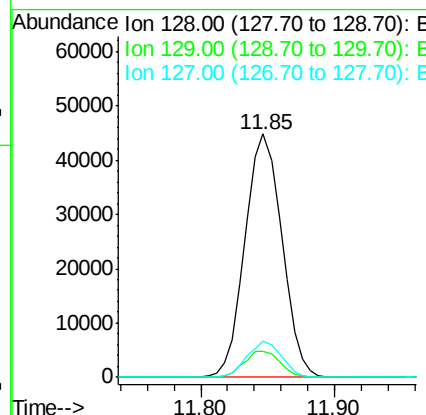
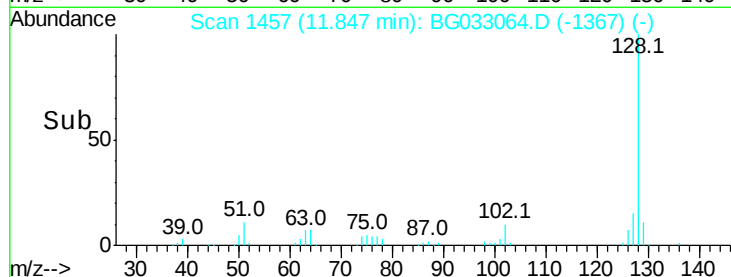
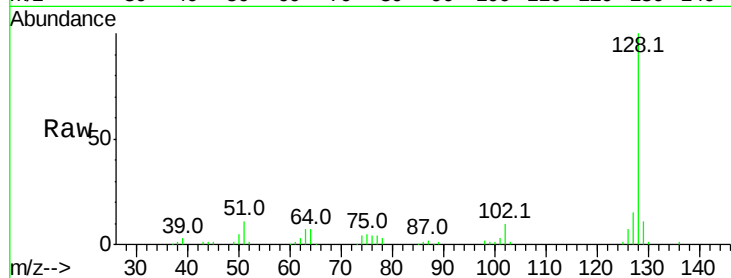




#31
Naphthalene
Concen: 7.588 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

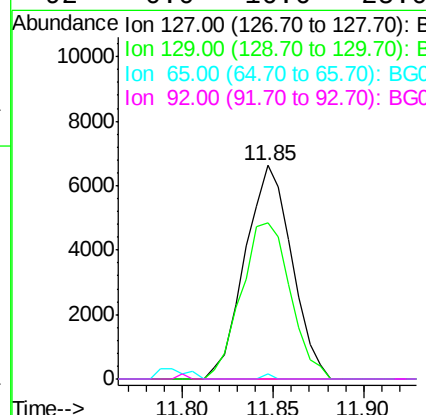
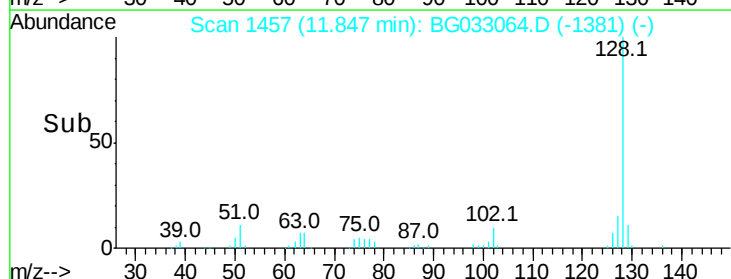
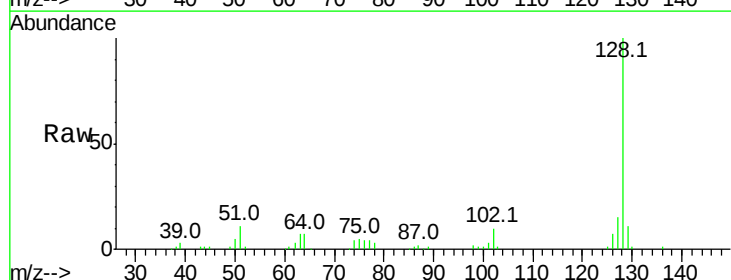
Instrument :
BNA_G
ClientSampleId :

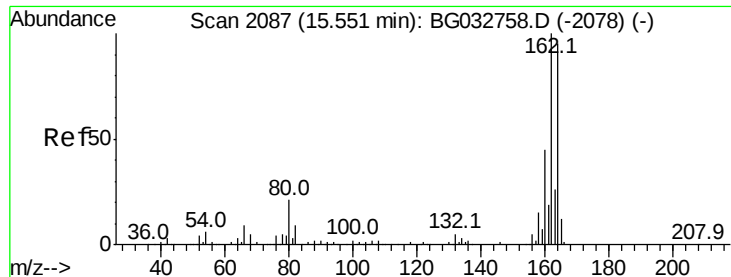
Tot Ion:128 Resp: 85850
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 14.8 11.6 17.4



#33
4-Chloroaniline
Concen: 2.358 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.09 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

Tgt Ion:127 Resp: 11928
Ion Ratio Lower Upper
127 100
129 72.9 24.0 36.0#
65 2.6 27.0 40.4#
92 0.0 16.6 25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

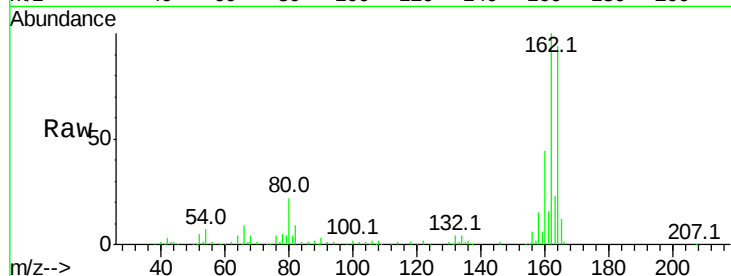
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 117186

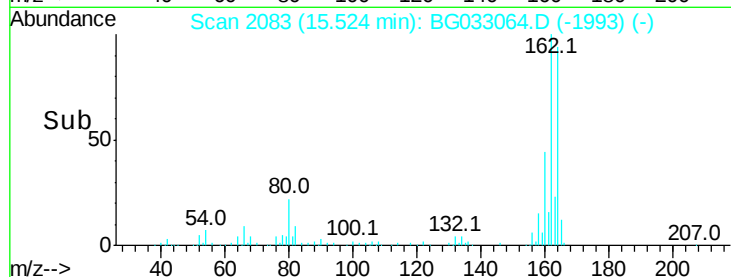
Ion	Ratio	Lower	Upper
164	100		
162	105.9	78.8	118.2
160	46.6	35.4	53.0



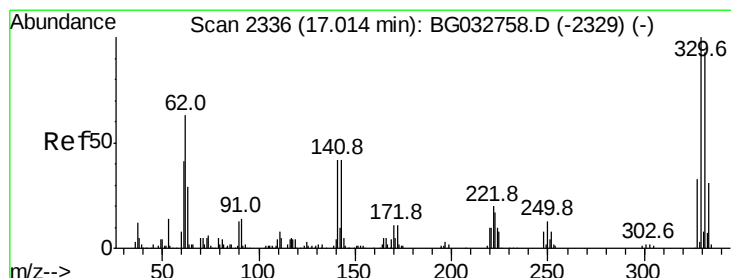
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 170.206 ng

RT: 17.00 min Scan# 2334

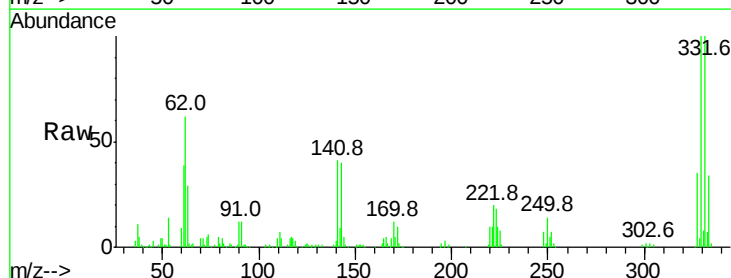
Delta R.T. 0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Tgt Ion:330 Resp: 209723

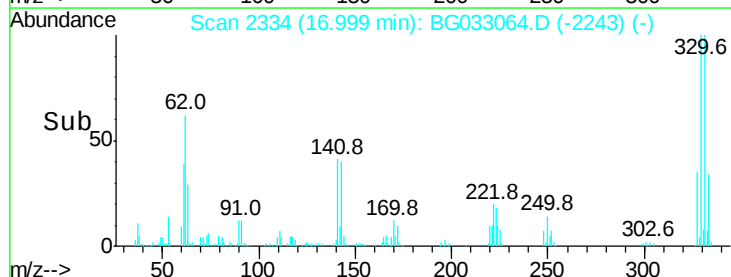
Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	43.3	25.2	37.8



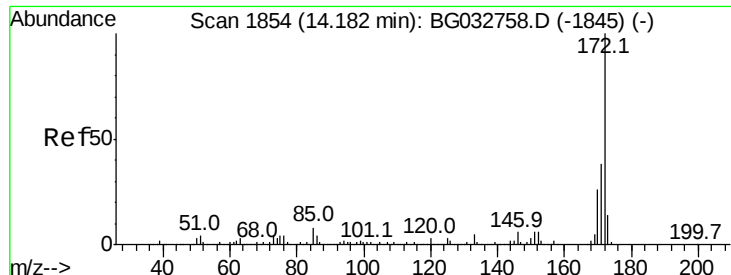
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



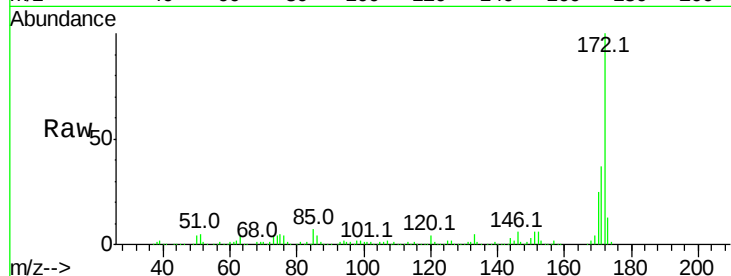
Time-->



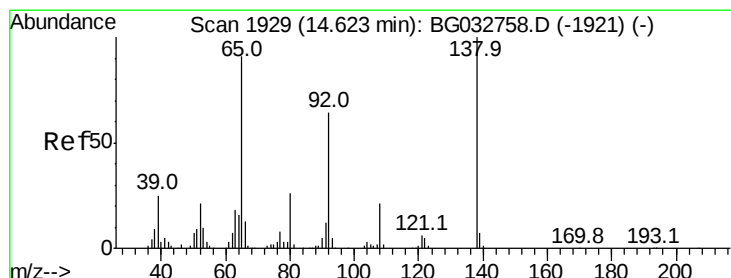
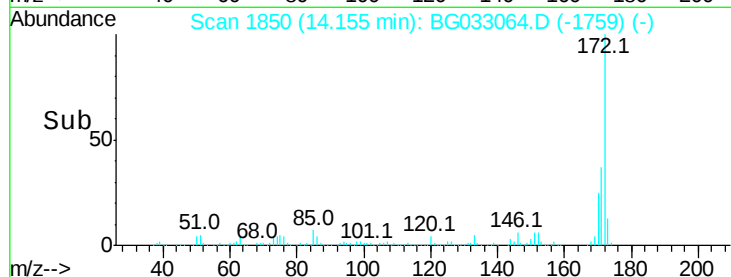
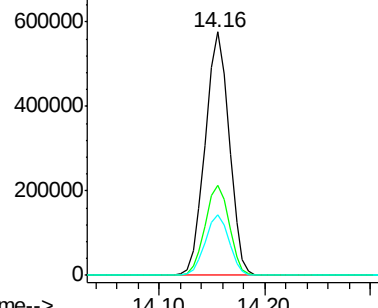
#44
2-Fluorobiphenyl
Concen: 110.531 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.8	19.5	29.3

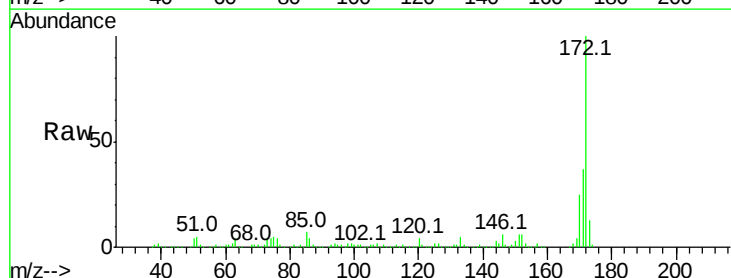


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

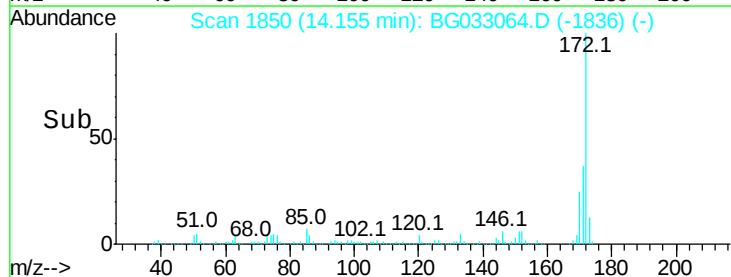
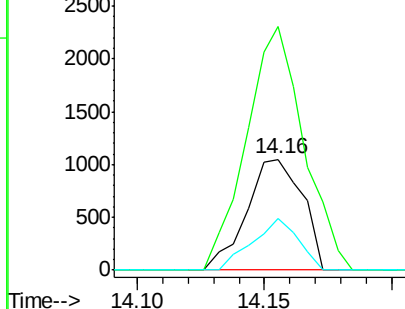


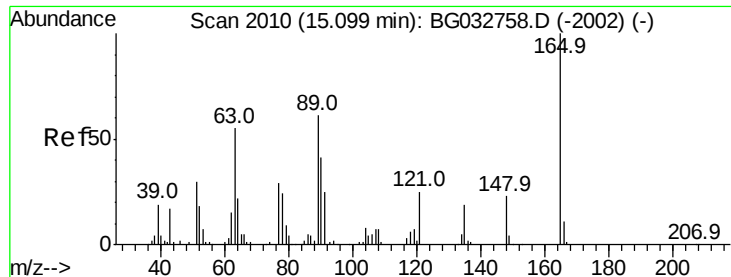
#47
2-Nitroaniline
Concen: 10.500 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033064.D
Acq: 9 Mar 2018 6:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	219.1	54.6	82.0#
138	46.9	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: 16.563 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampleId :

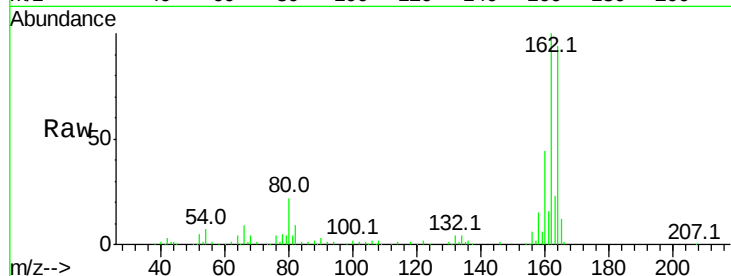
Tot Ion:165 Resp: 15497

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

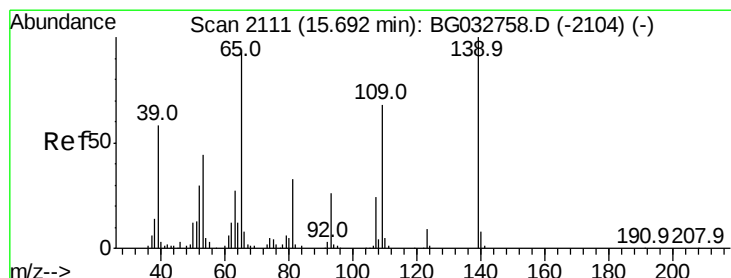
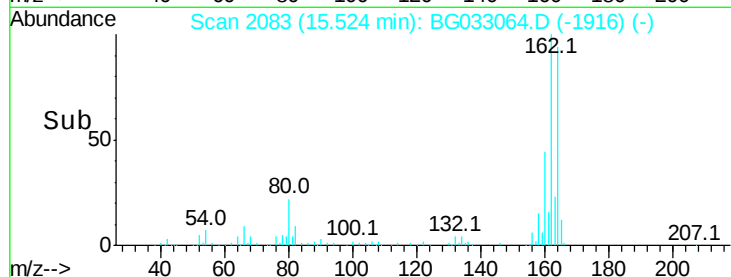
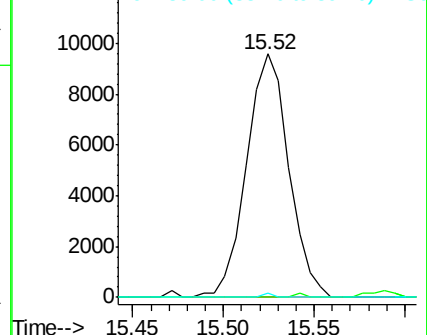
89 1.9 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.489 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

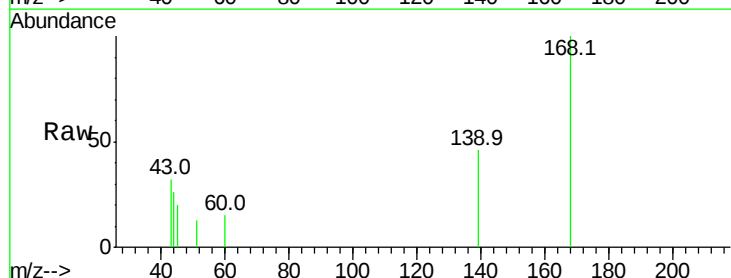
Tgt Ion:139 Resp: 731

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

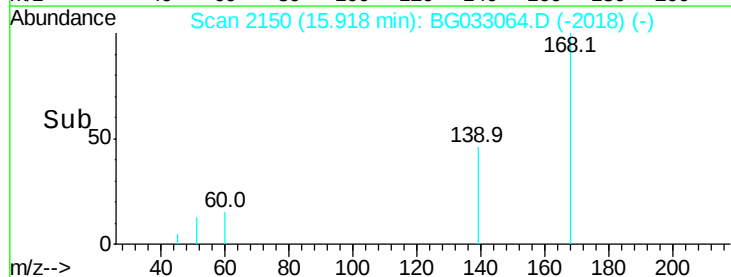
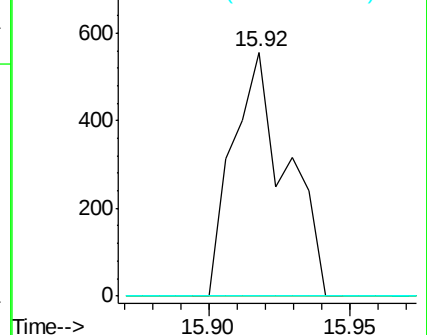
65 0.0 97.2 137.2#

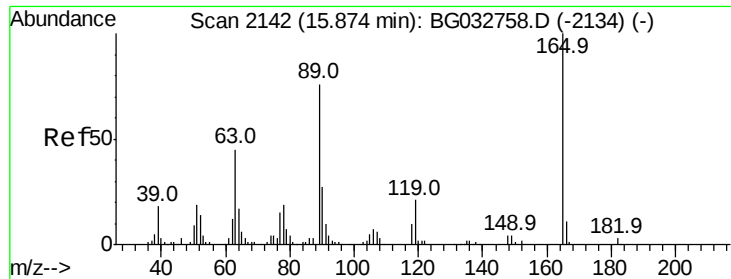


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

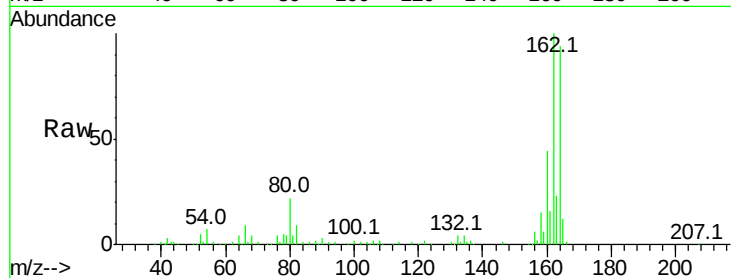




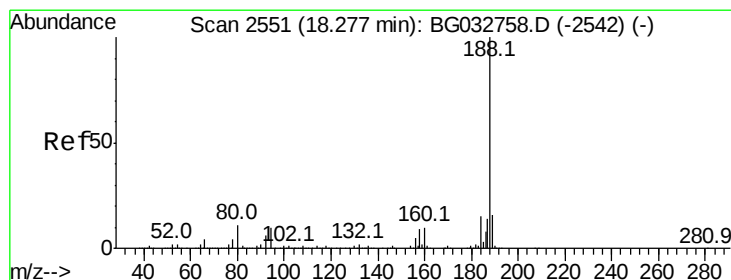
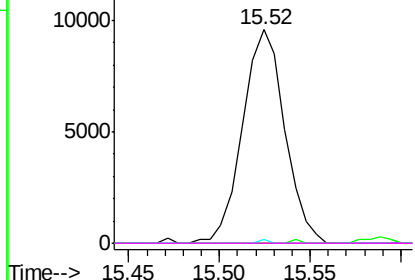
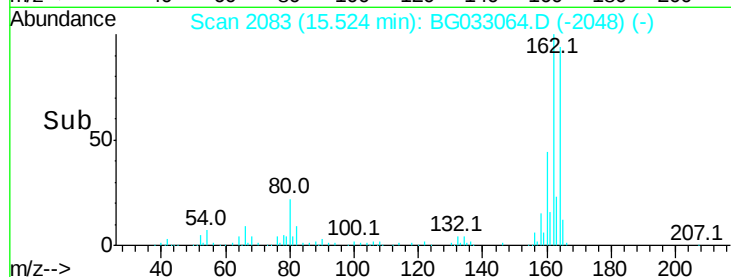
#56
 2,4-Dinitrotoluene
 Concen: 14.762 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033064.D
 Acq: 9 Mar 2018 6:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 15497
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#

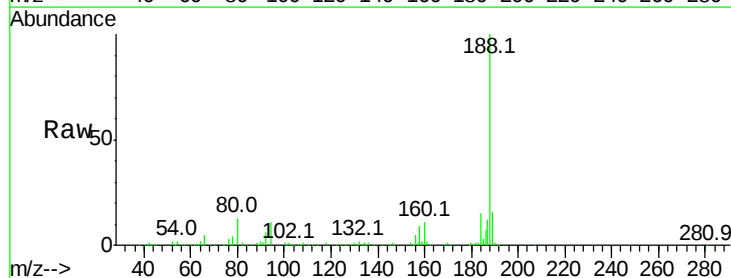


Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

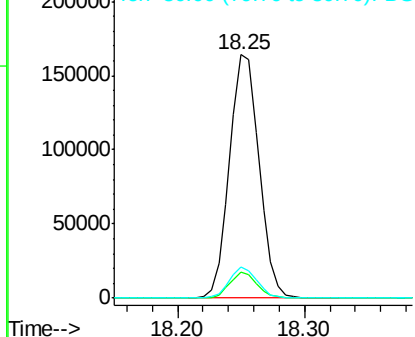
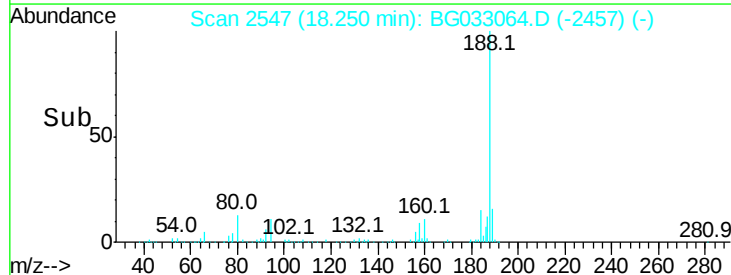


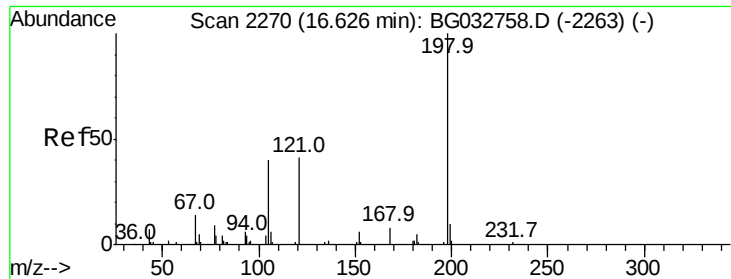
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033064.D
 Acq: 9 Mar 2018 6:40

Tgt Ion:188 Resp: 264824
 Ion Ratio Lower Upper
 188 100
 94 10.6 6.9 10.3#
 80 12.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 200000
 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: 5.893 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampled :

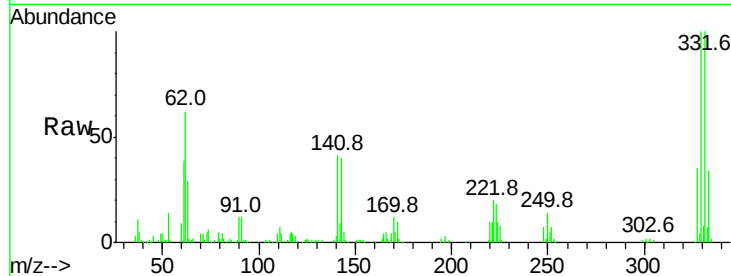
Tot Ion:198 Resp: 589

Ion Ratio Lower Upper

198 100

51 157.2 30.6 70.6#

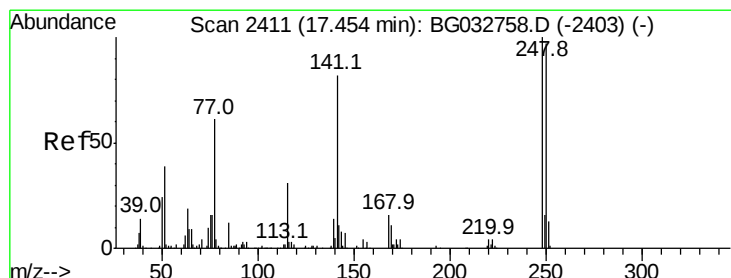
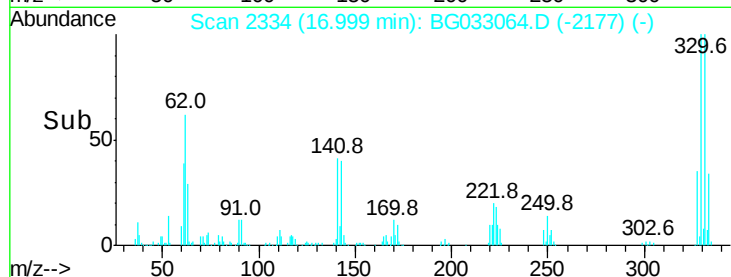
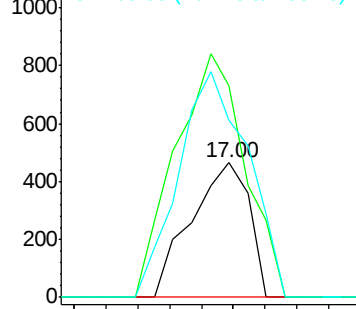
105 131.6 23.8 63.8#



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: 5.339 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

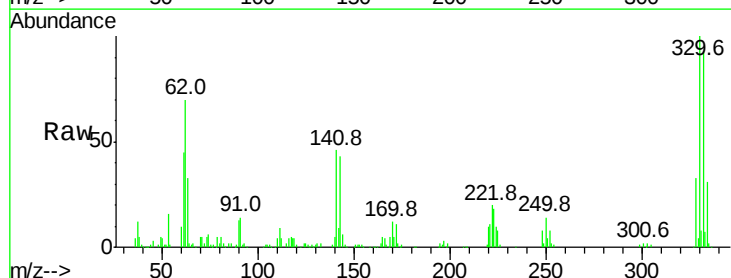
Tgt Ion:248 Resp: 14951

Ion Ratio Lower Upper

248 100

250 183.6 77.1 115.7#

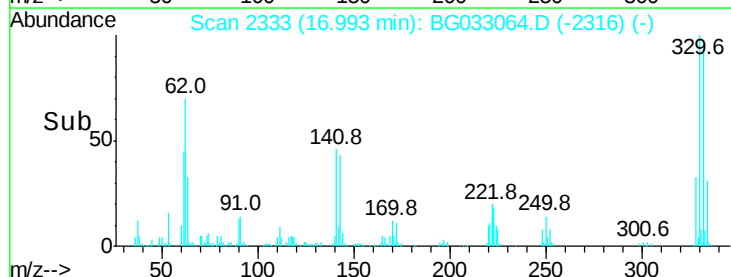
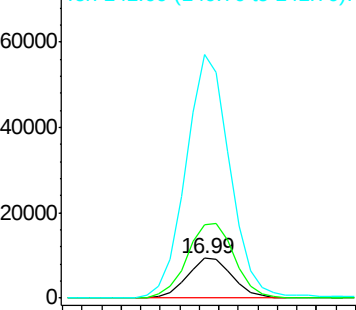
141 612.9 50.8 76.2#

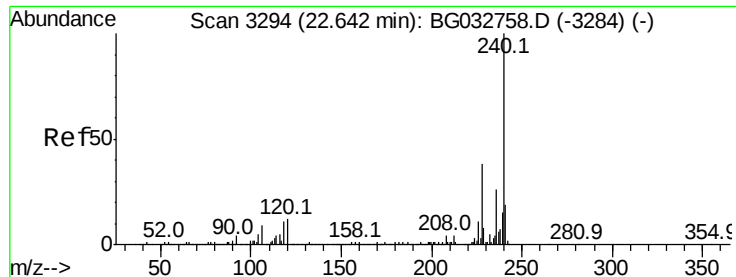


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampleId :

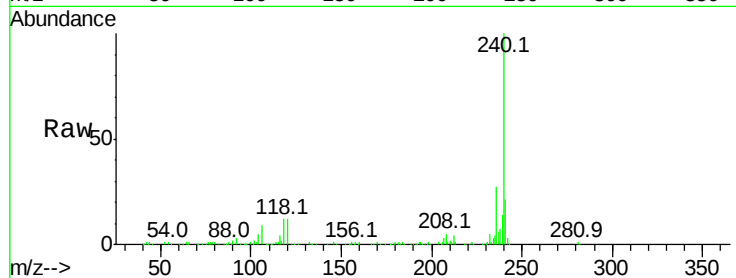
Tot Ion:240 Resp: 255039

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

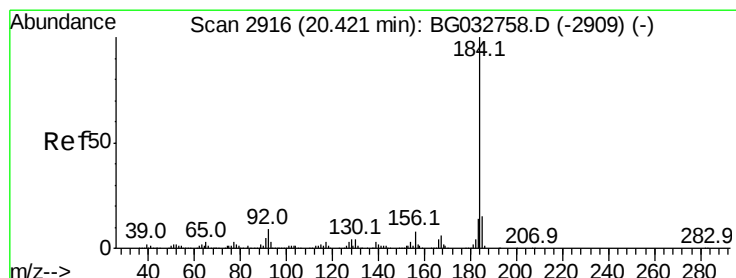
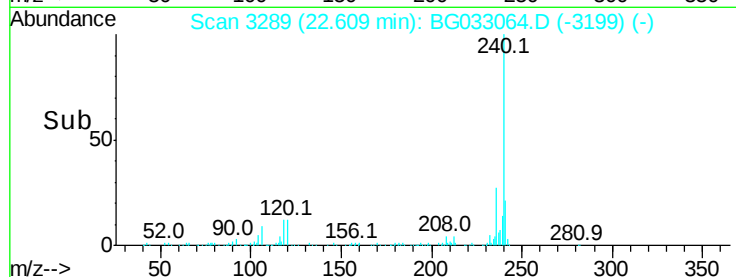
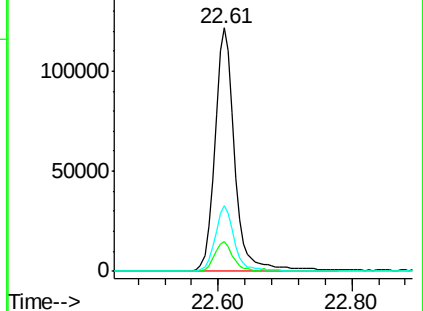
236 27.1 20.9 31.3



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: 3.264 ng

RT: 20.41 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

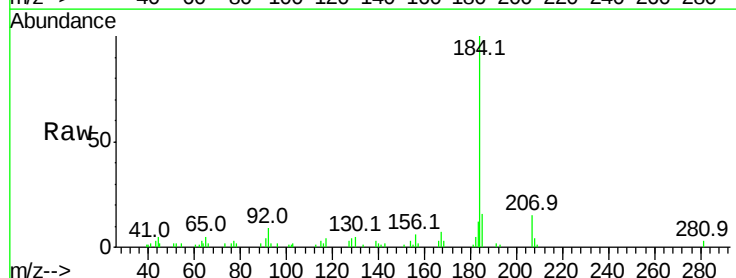
Tgt Ion:184 Resp: 28377

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

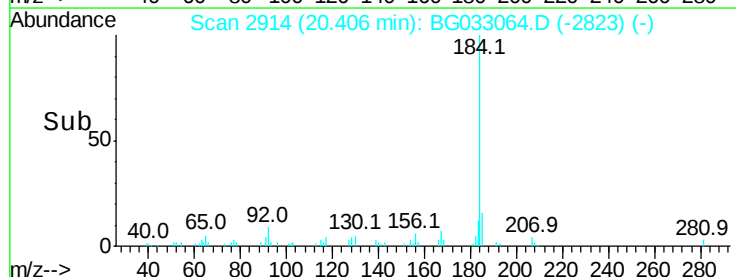
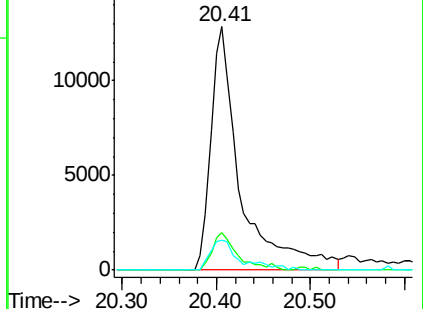
183 12.2 10.6 16.0

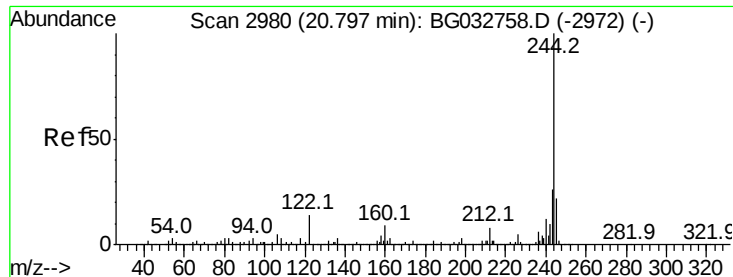


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 114.925 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

Instrument :

BNA_G

ClientSampled :

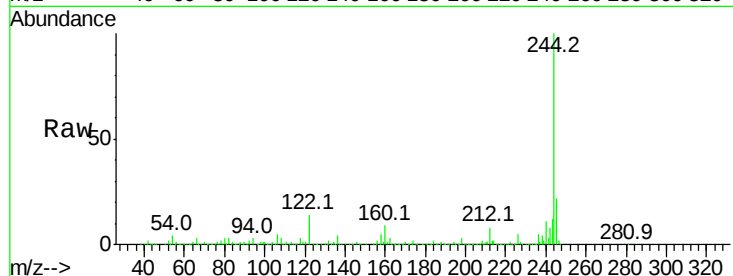
Tot Ion:244 Resp: 1304585

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

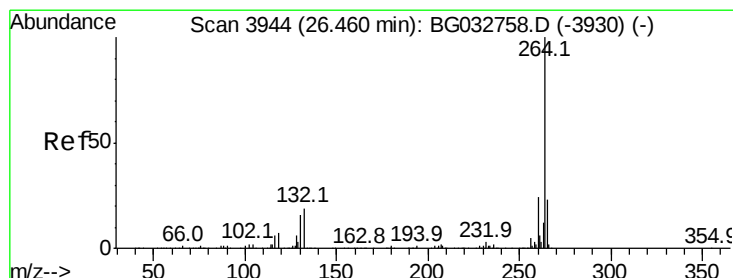
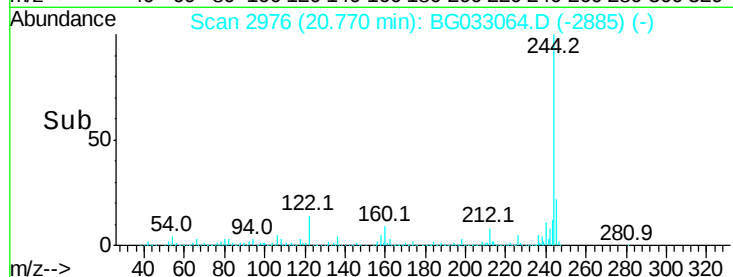
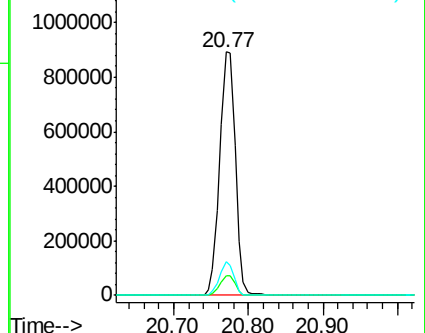
122 13.6 7.0 10.4#



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: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033064.D

Acq: 9 Mar 2018 6:40

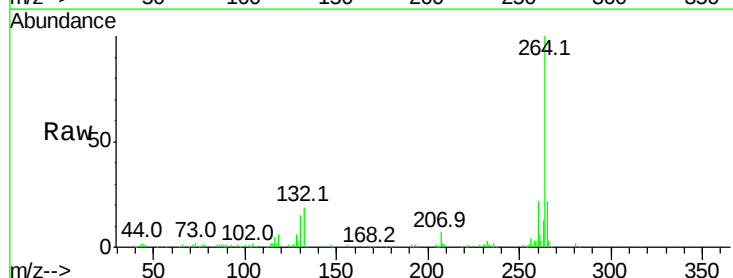
Tgt Ion:264 Resp: 222859

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 21.6 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

