

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033156.D
 Acq On : 14 Mar 2018 20:55
 Operator : SJ/JU
 Sample : J1909-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:12:08 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	37194	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	167716	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	100813	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	259259	20.00	ng	0.00
75) Chrysene-d12	22.60	240	239551	20.00	ng	0.00
86) Perylene-d12	26.40	264	249041	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	351292	151.10	ng	0.00
7) Phenol-d6	8.00	99	431367	133.12	ng	0.00
23) Nitrobenzene-d5	10.10	82	316690	125.67	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	249553	235.42	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	701384	100.34	ng	0.00
78) Terphenyl-d14	20.76	244	1253567	117.57	ng	0.00

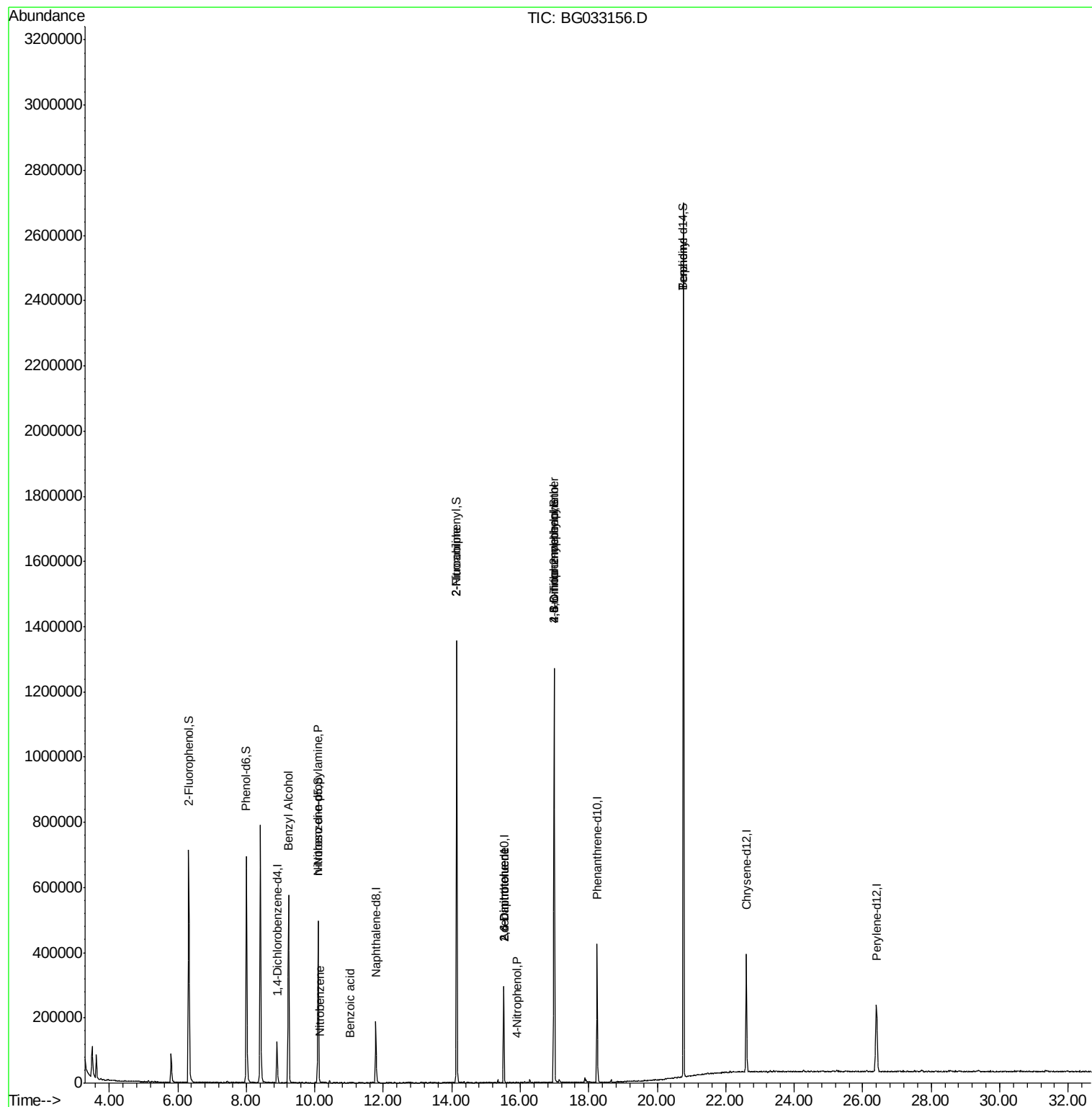
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4933	2.071	ng	# 35
19) n-Nitroso-di-n-propylamine	10.10	70	43102	18.841	ng	# 84
24) Nitrobenzene	10.15	77	67	6.402	ng	# 42
32) Benzoic acid	11.03	122	117	5.904	ng	# 1
47) 2-Nitroaniline	14.14	65	1306	10.461	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	12924	16.329	ng	# 20
55) 4-Nitrophenol	15.91	139	150	7.178	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	12924	14.527	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	660	6.028	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16397	5.981	ng	# 1
76) Benzidine	20.76	184	22310	2.732	ng	# 88

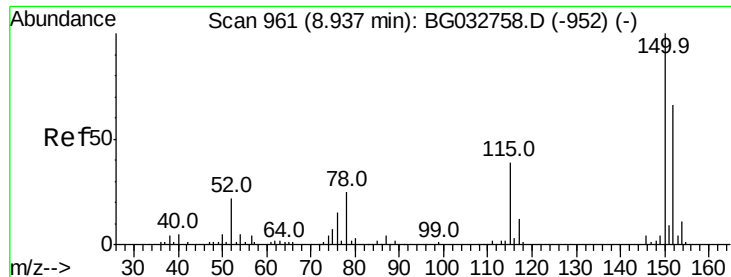
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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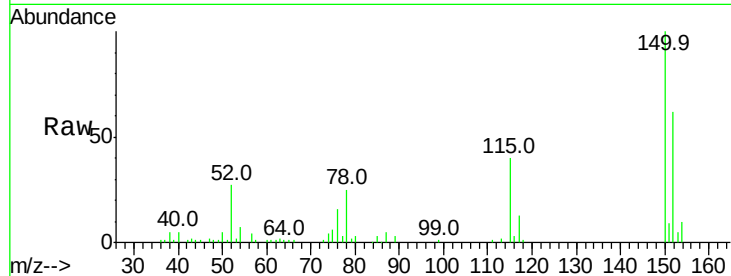


#1

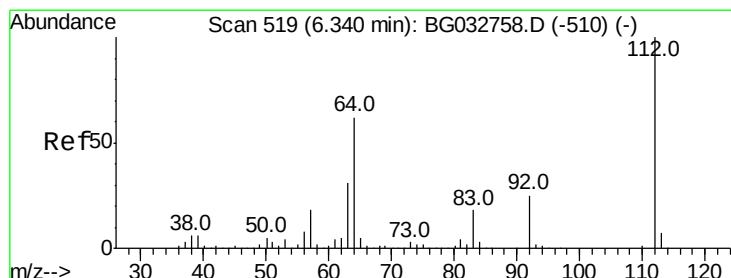
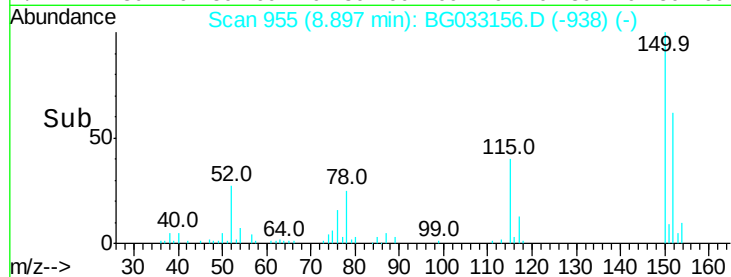
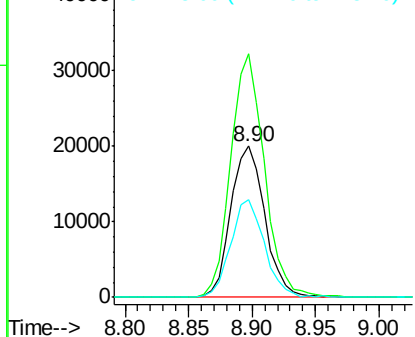
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.00 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37194
Ion Ratio Lower Upper
152 100
150 161.3 126.6 189.8
115 64.5 53.0 79.4



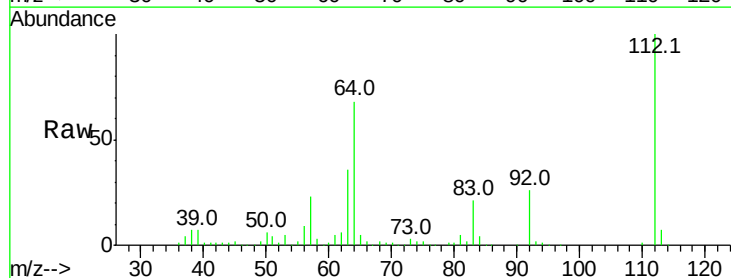
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



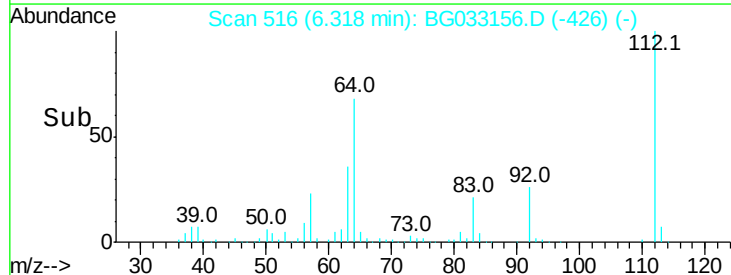
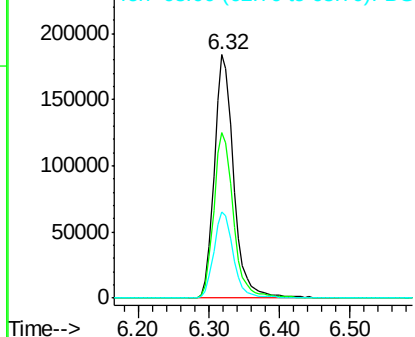
#5

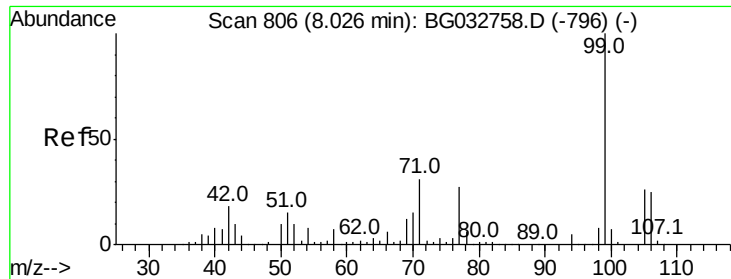
2-Fluorophenol
Concen: 151.104 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Tgt Ion:112 Resp: 351292
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 35.6 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: 133.117 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Instrument :

BNA_G

ClientSampleId :

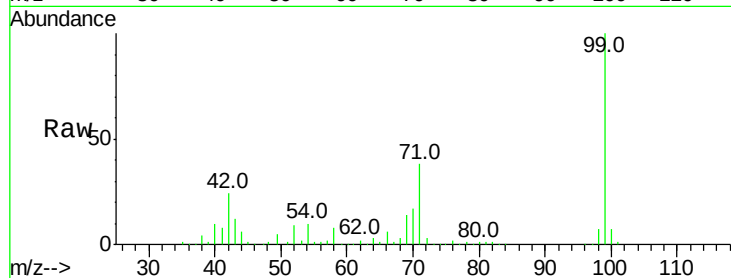
Tot Ion: 99 Resp: 431367

Ion Ratio Lower Upper

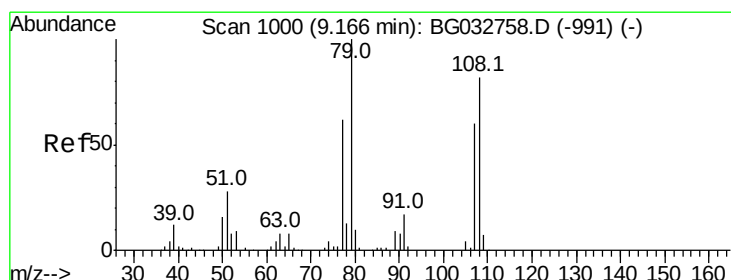
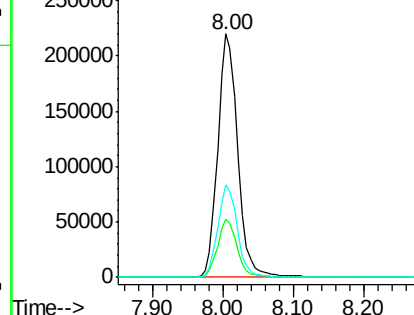
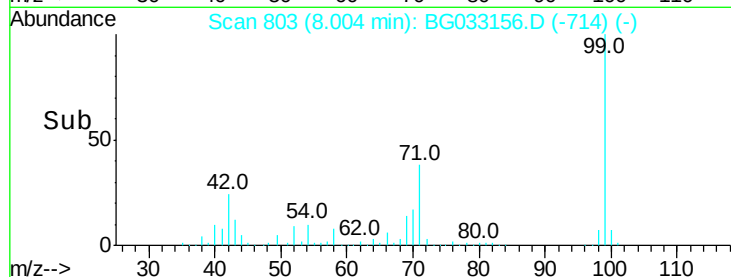
99 100

42 23.7 14.1 21.1#

71 37.8 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: 2.071 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

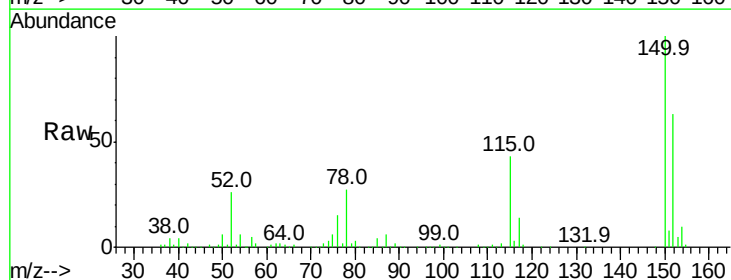
Tgt Ion: 79 Resp: 4933

Ion Ratio Lower Upper

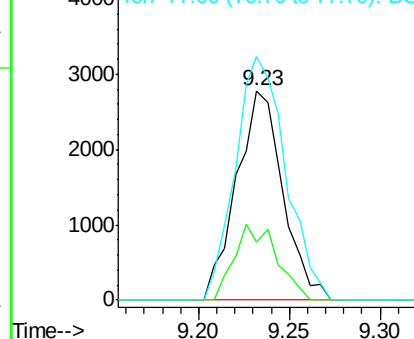
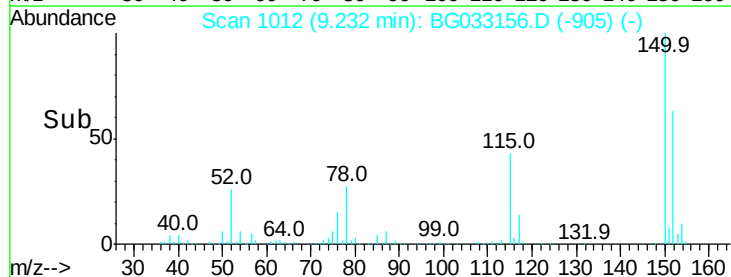
79 100

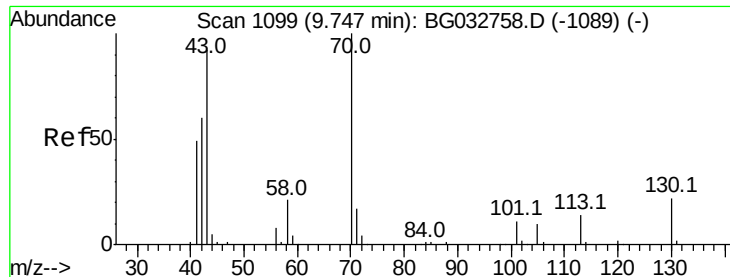
108 27.8 57.2 85.8#

77 116.3 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

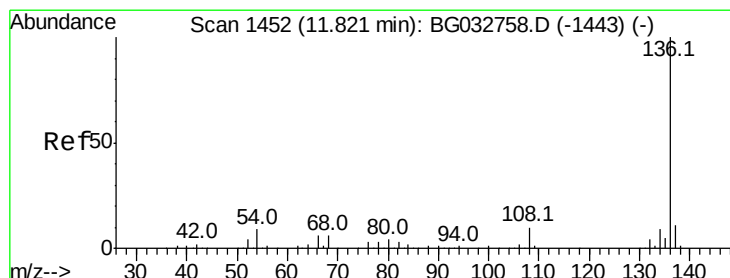
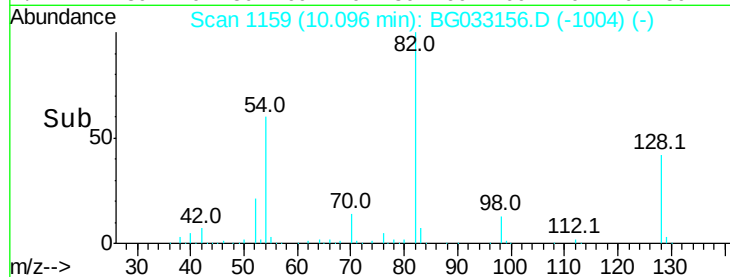
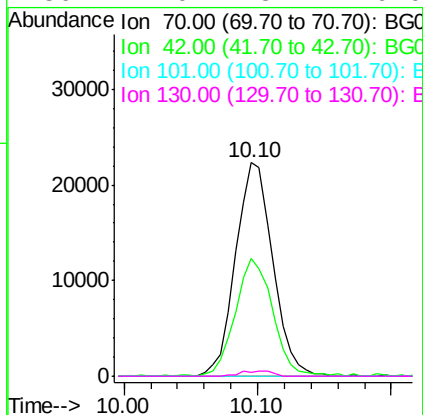
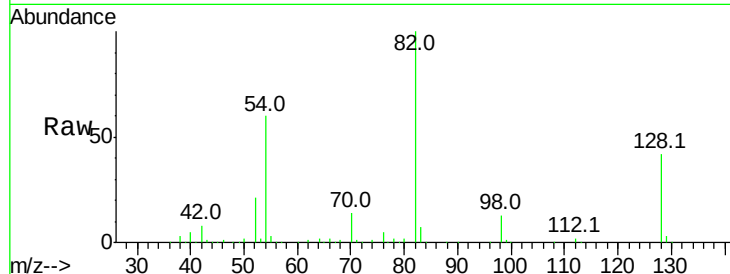




#19
n-Nitroso-di-n-propylamine
Concen: 18.841 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

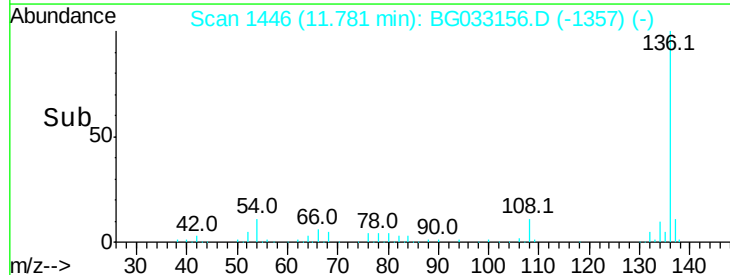
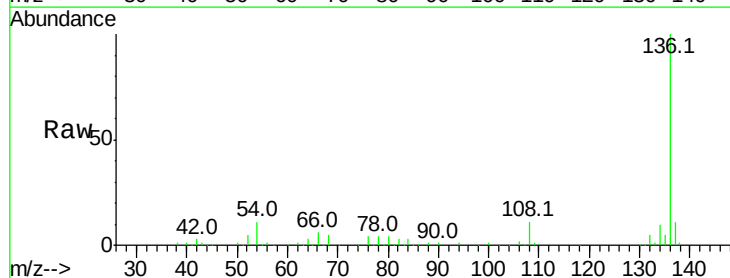
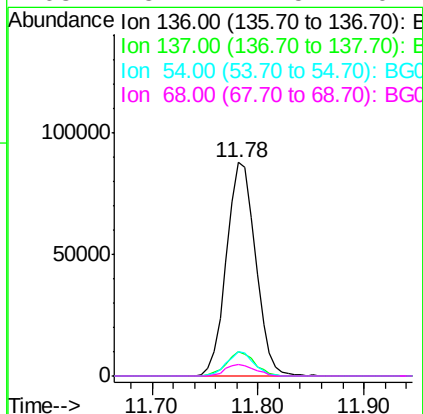
Instrument :
BNA_G
ClientSampleId :

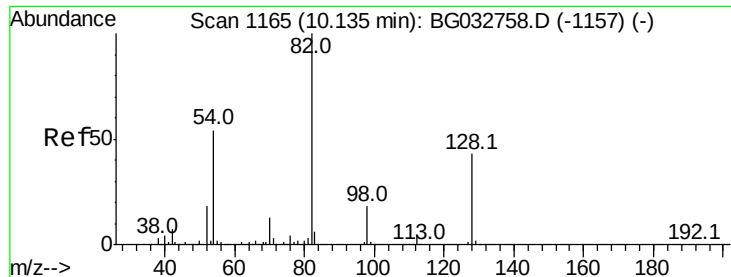
Tot Ion: 70 Resp: 43102
Ion Ratio Lower Upper
70 100
42 55.0 49.1 73.7
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Tgt Ion: 136 Resp: 167716
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 11.1 10.3 15.5
68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 125.667 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Instrument :

BNA_G

ClientSampleId :

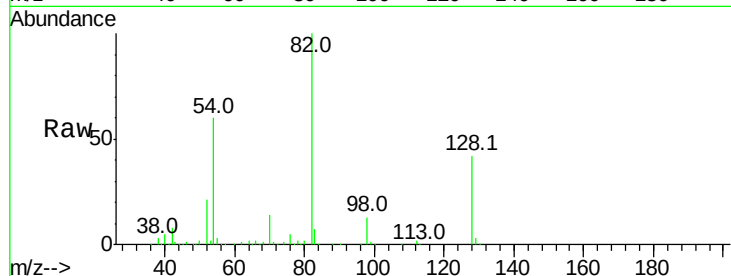
Tot Ion: 82 Resp: 316690

Ion Ratio Lower Upper

82 100

128 42.3 29.7 44.5

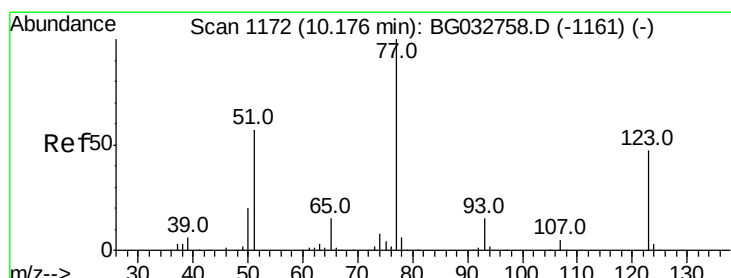
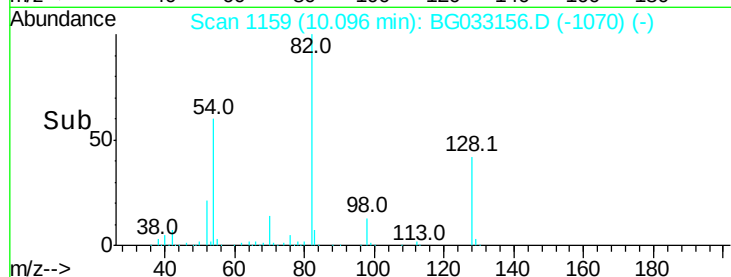
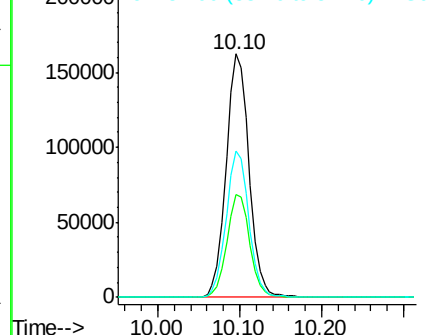
54 60.1 43.1 64.7



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: 6.402 ng

RT: 10.15 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

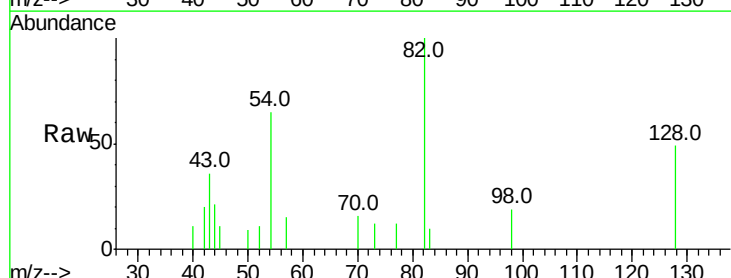
Tgt Ion: 77 Resp: 67

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

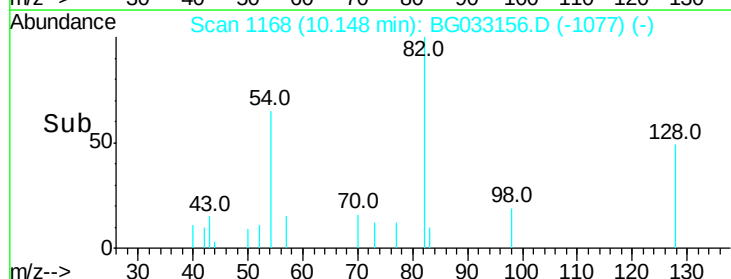
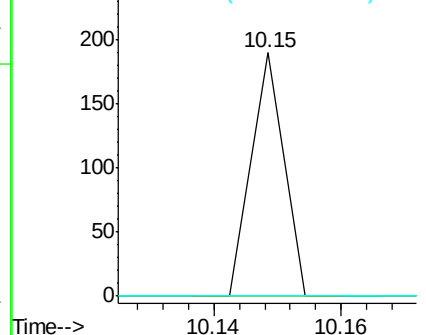
65 0.0 13.0 19.6#

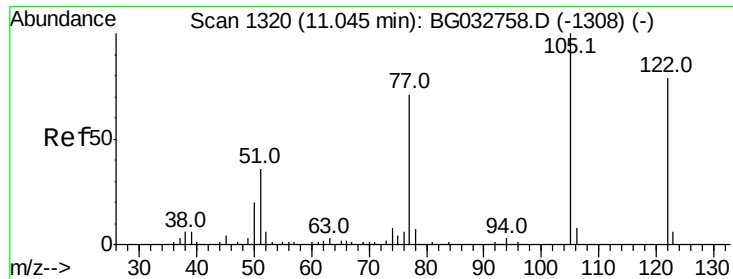


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

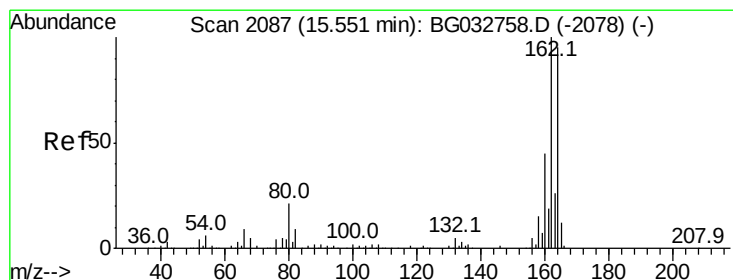
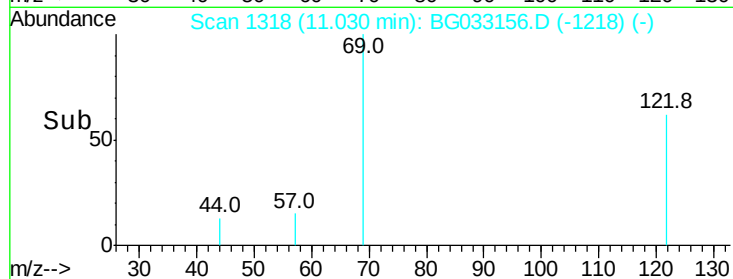
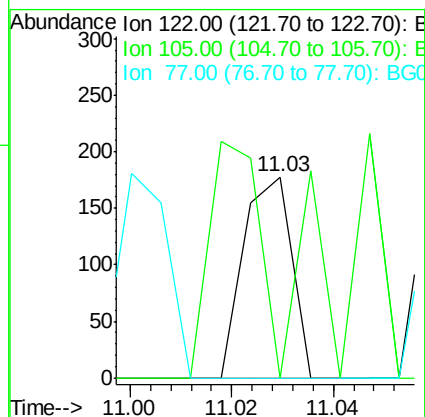
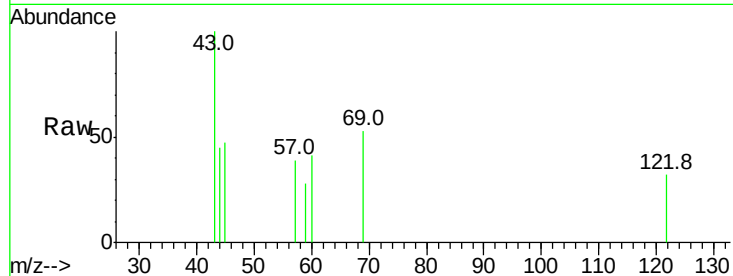




#32
Benzoic acid
Concen: 5.904 ng
RT: 11.03 min Scan# 1318
Delta R.T. 0.06 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

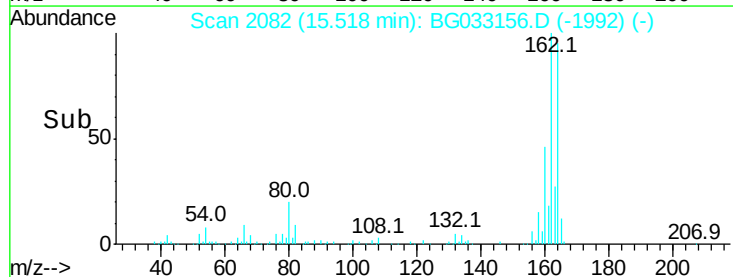
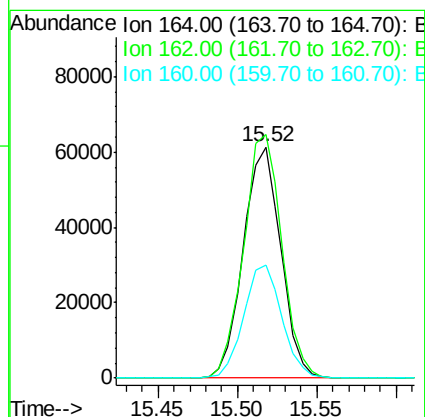
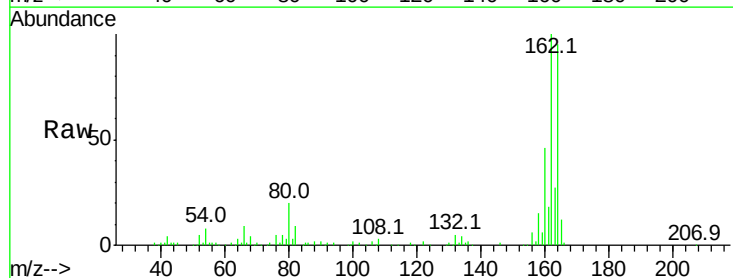
Instrument :
BNA_G
ClientSampled :

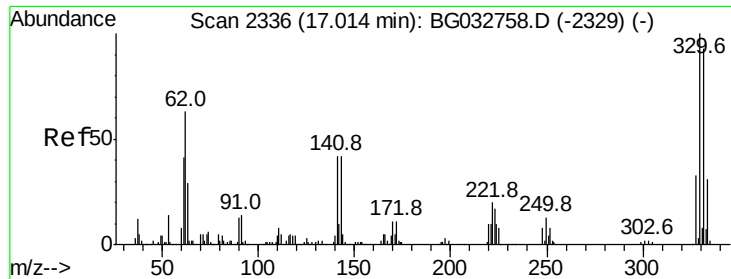
Tot Ion:122 Resp: 117
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Tgt Ion:164 Resp: 100813
Ion Ratio Lower Upper
164 100
162 105.3 78.8 118.2
160 48.7 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 235.424 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Instrument :

BNA_G

ClientSampleId :

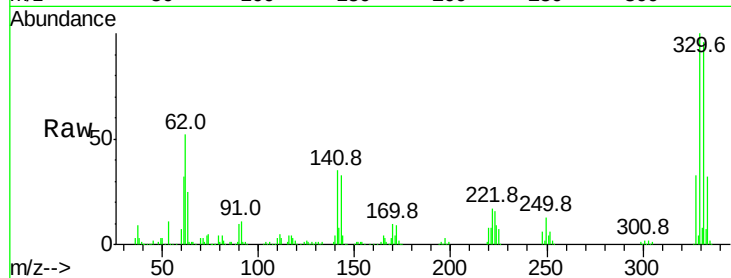
Tot Ion:330 Resp: 249553

Ion Ratio Lower Upper

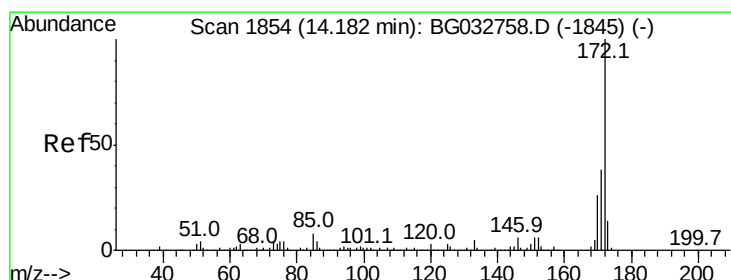
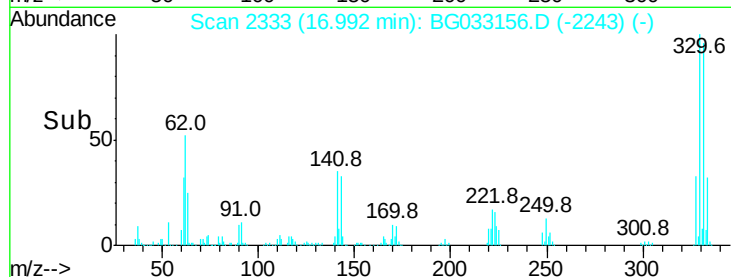
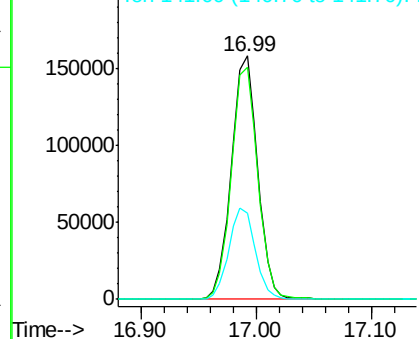
330 100

332 95.9 77.0 115.6

141 38.0 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: 100.342 ng

RT: 14.14 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

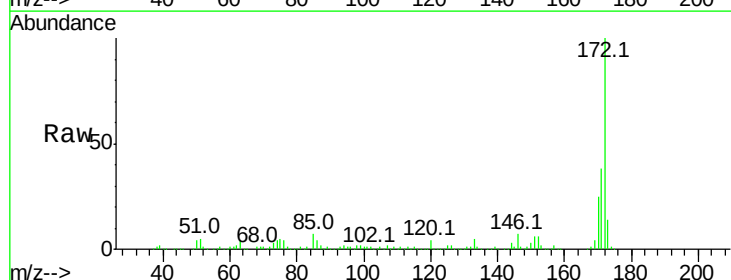
Tgt Ion:172 Resp: 701384

Ion Ratio Lower Upper

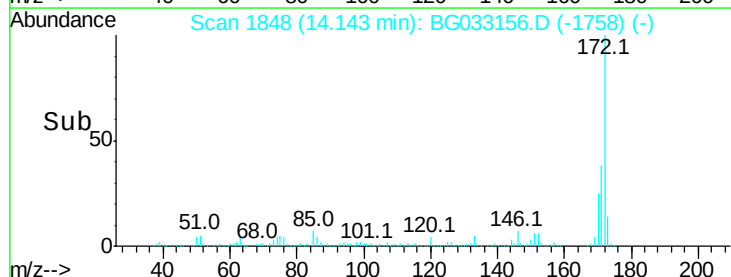
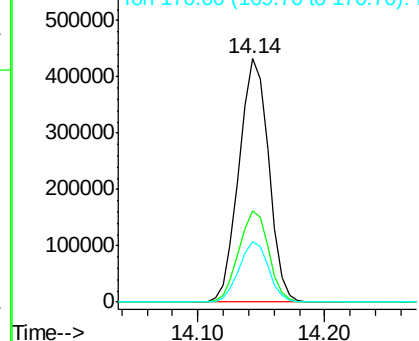
172 100

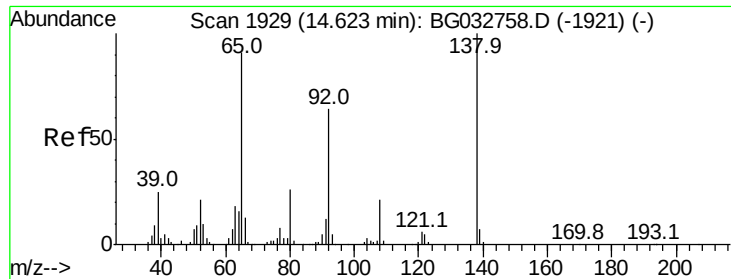
171 37.5 30.0 45.0

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

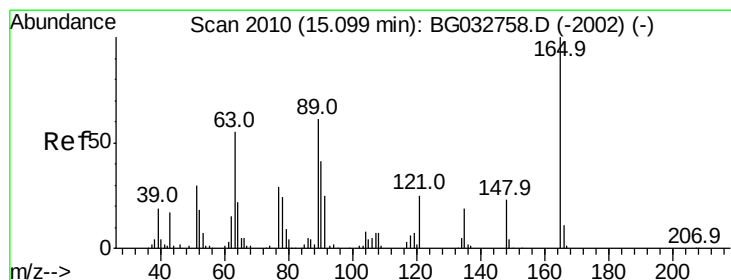
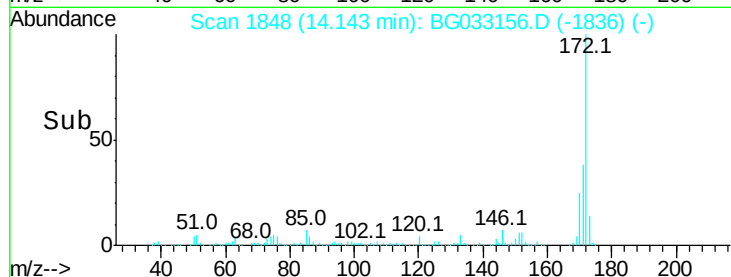
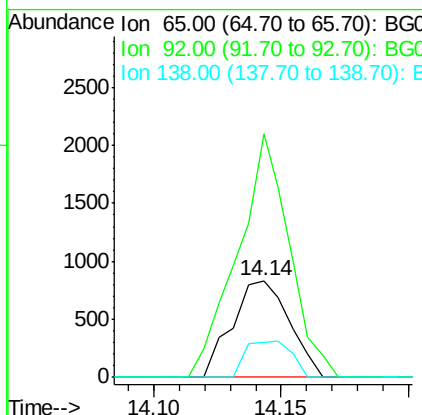
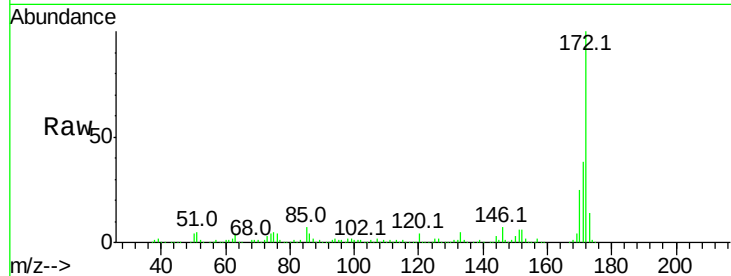




#47
 2-Nitroaniline
 Concen: 10.461 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033156.D
 Acq: 14 Mar 2018 20:55

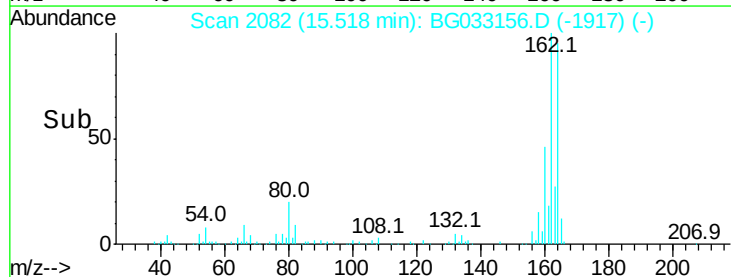
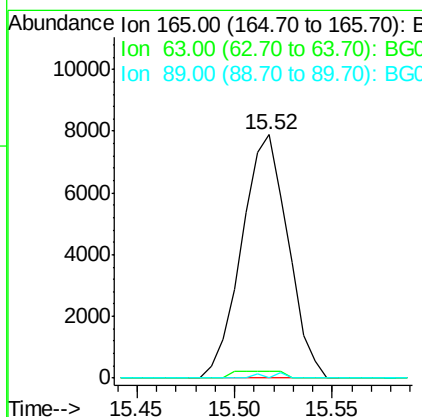
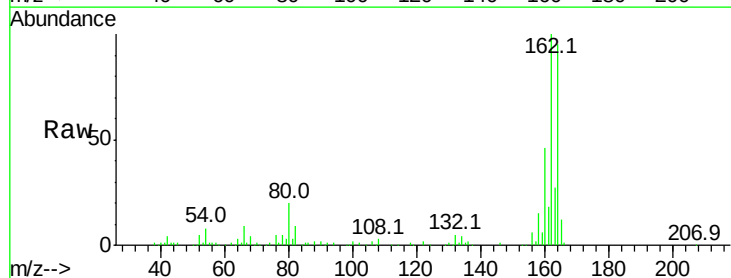
Instrument :
 BNA_G
 ClientSampled :

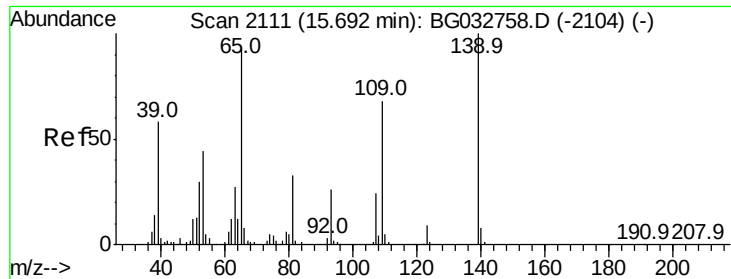
Tot Ion: 65 Resp: 1306
 Ion Ratio Lower Upper
 65 100
 92 251.1 54.6 82.0#
 138 36.1 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.329 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. 0.44 min
 Lab File: BG033156.D
 Acq: 14 Mar 2018 20:55

Tgt Ion: 165 Resp: 12924
 Ion Ratio Lower Upper
 165 100
 63 3.0 52.7 79.1#
 89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.178 ng

RT: 15.91 min Scan# 2149

Delta R.T. 0.22 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Instrument :

BNA_G

ClientSampleId :

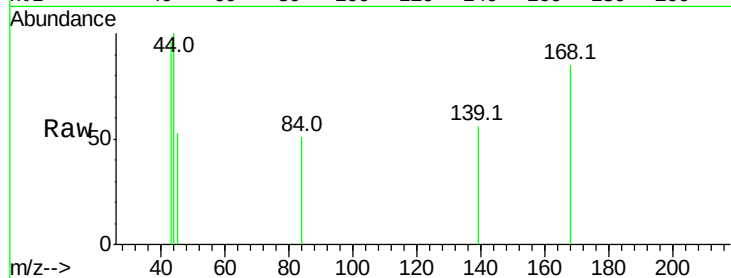
Tot Ion:139 Resp: 150

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

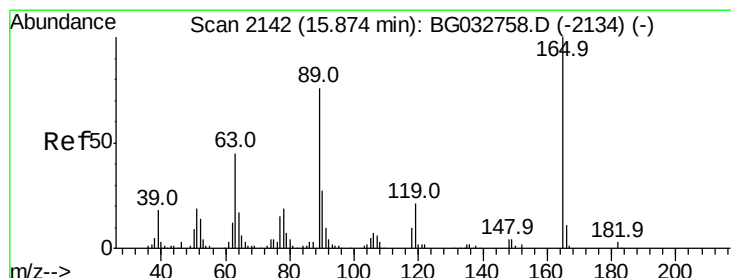
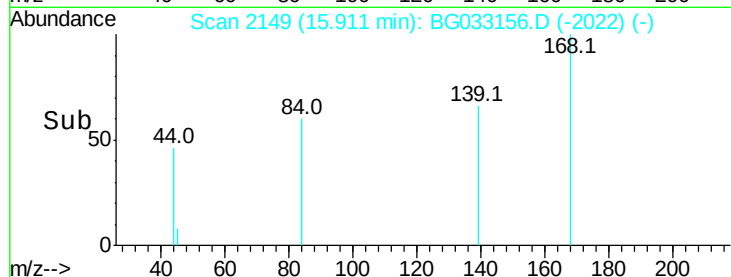
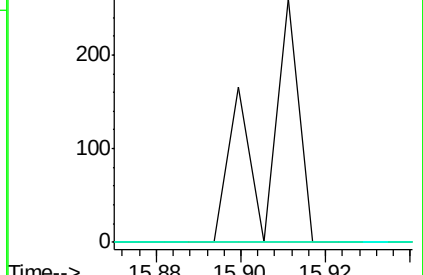
65 0.0 97.2 137.2#



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: 14.527 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.34 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Tgt Ion:165 Resp: 12924

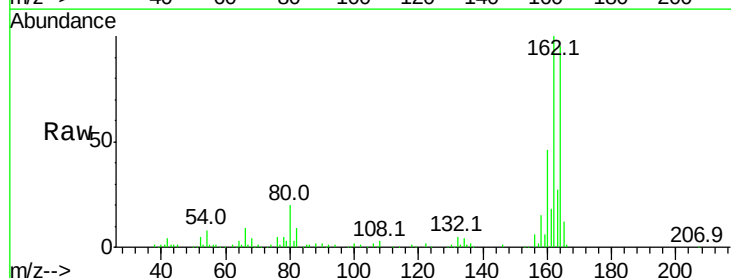
Ion Ratio Lower Upper

165 100

63 3.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

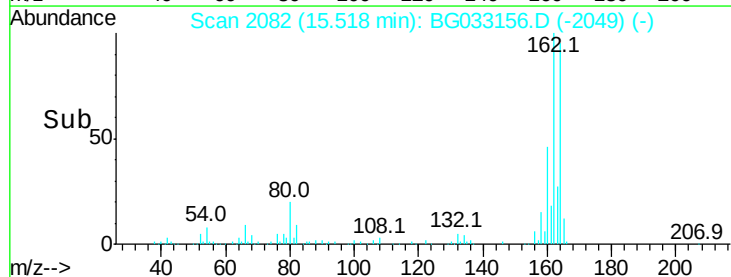
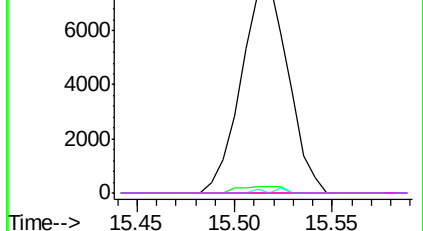


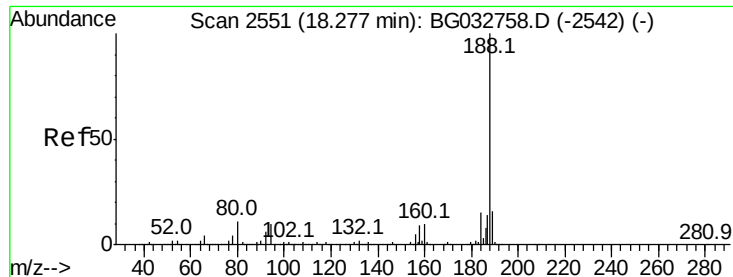
Abundance Ion 165.00 (164.70 to 165.70): E

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

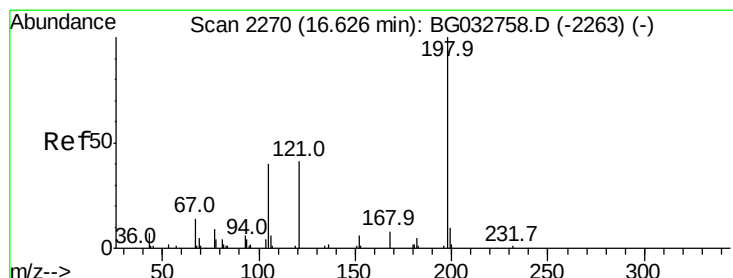
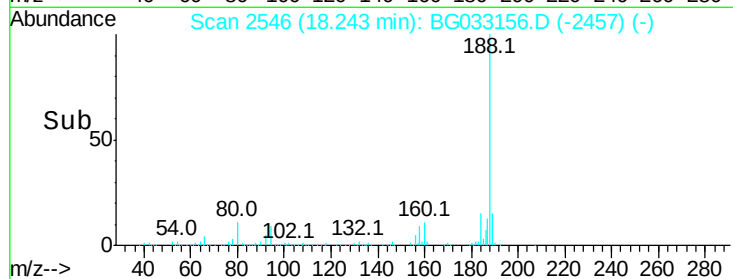
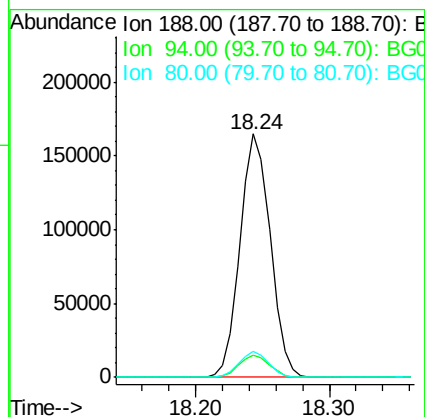
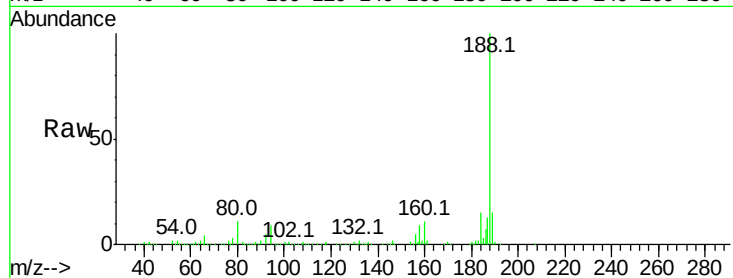




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

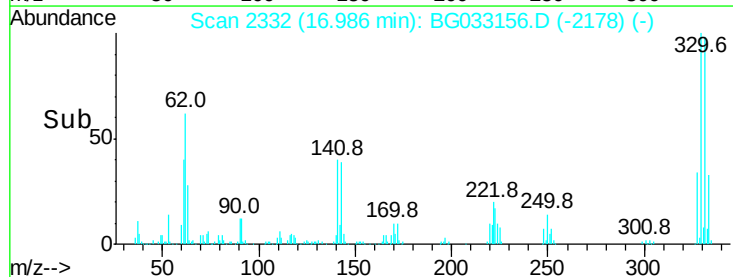
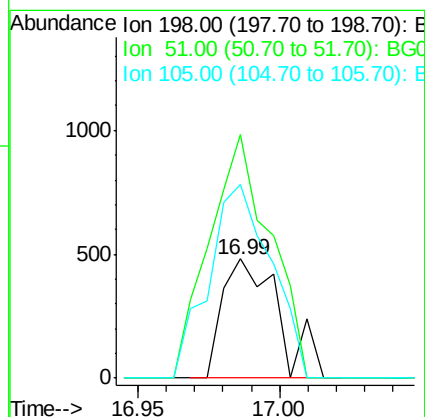
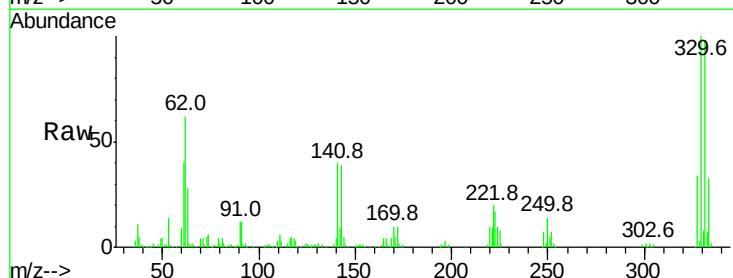
Instrument :
BNA_G
ClientSampleId :

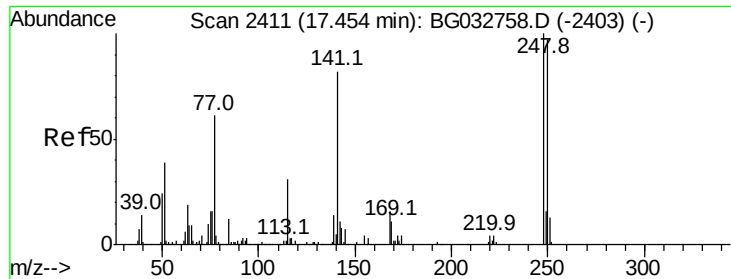
Tot Ion:188 Resp: 259259
Ion Ratio Lower Upper
188 100
94 9.2 6.9 10.3
80 10.7 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 6.028 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.38 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Tgt Ion:198 Resp: 660
Ion Ratio Lower Upper
198 100
51 204.8 30.6 70.6#
105 163.3 23.8 63.8#

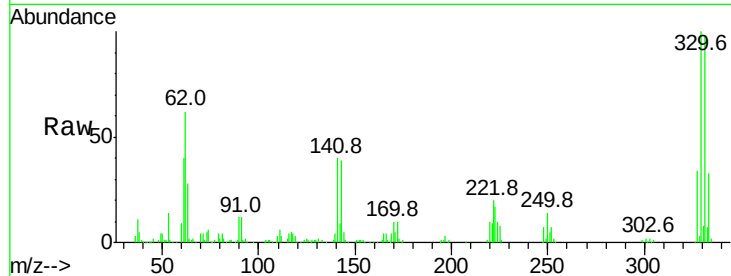




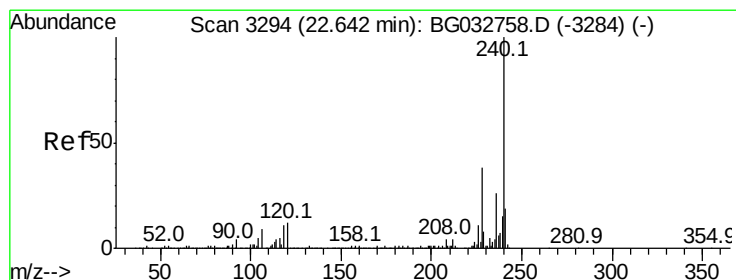
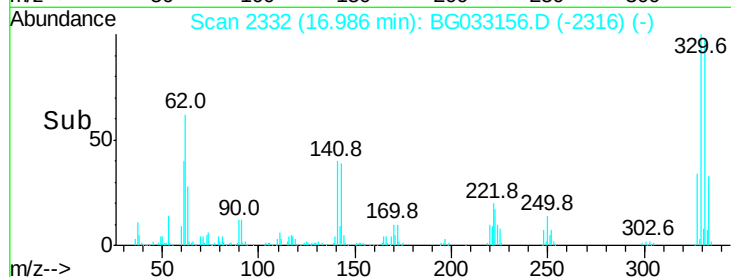
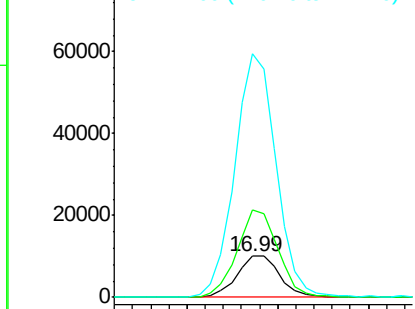
#66
 4-Bromophenyl-phenylether
 Concen: 5.981 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.44 min
 Lab File: BG033156.D
 Acq: 14 Mar 2018 20:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16397
 Ion Ratio Lower Upper
 248 100
 250 211.4 77.1 115.7#
 141 592.4 50.8 76.2#

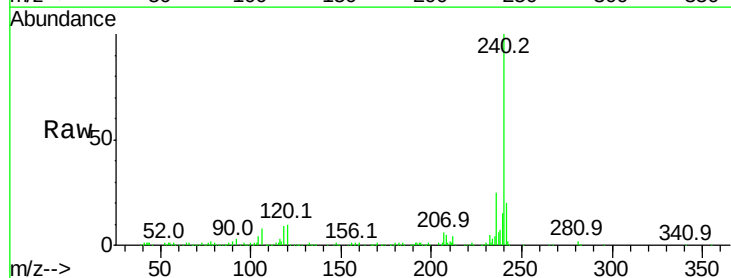


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

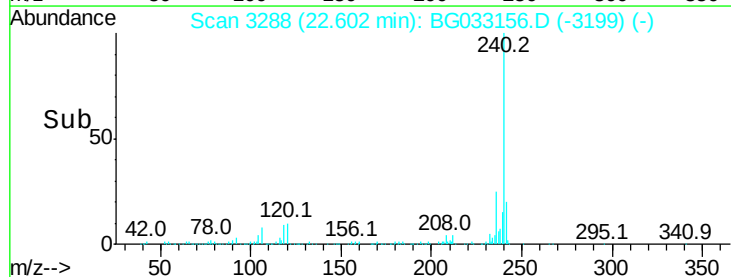
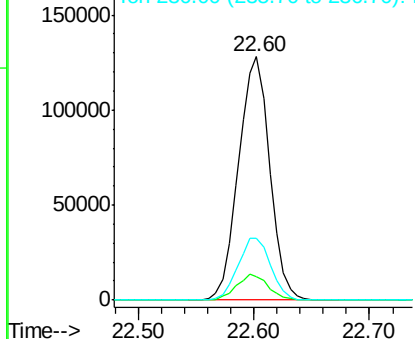


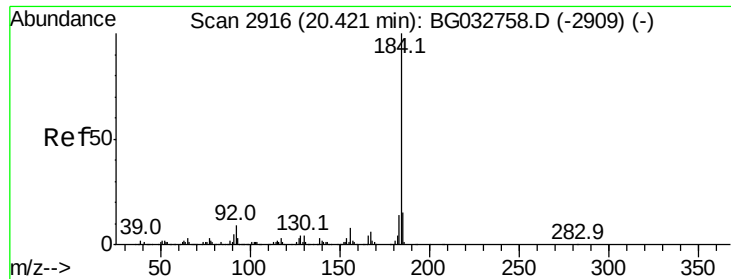
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033156.D
 Acq: 14 Mar 2018 20:55

Tgt Ion:240 Resp: 239551
 Ion Ratio Lower Upper
 240 100
 120 9.7 6.8 10.2
 236 25.4 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: 2.732 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

Instrument :

BNA_G

ClientSampled :

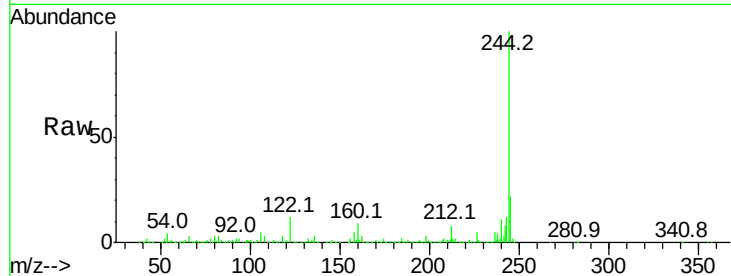
Tot Ion:184 Resp: 22310

Ion Ratio Lower Upper

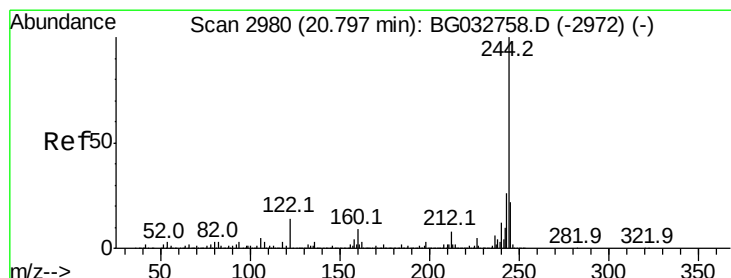
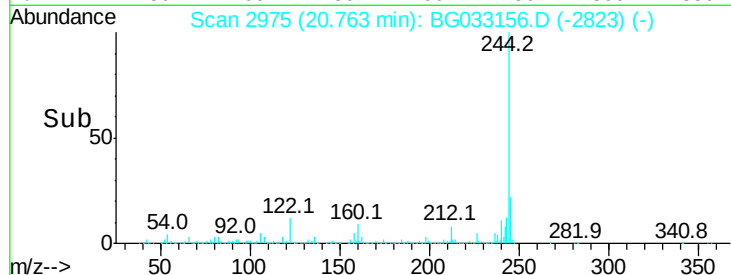
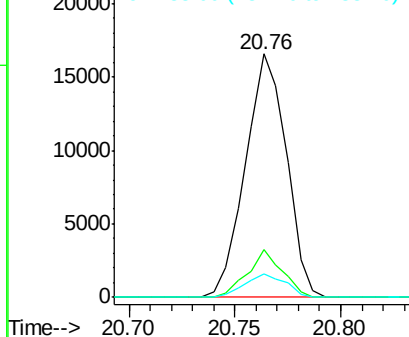
184 100

185 19.7 11.1 16.7#

183 9.6 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: 117.571 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033156.D

Acq: 14 Mar 2018 20:55

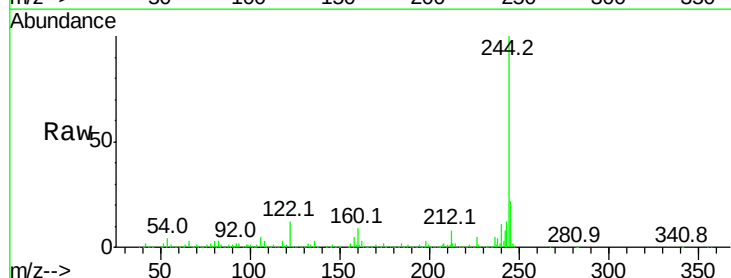
Tgt Ion:244 Resp: 1253567

Ion Ratio Lower Upper

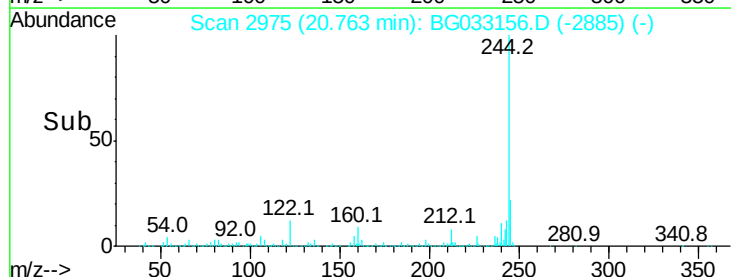
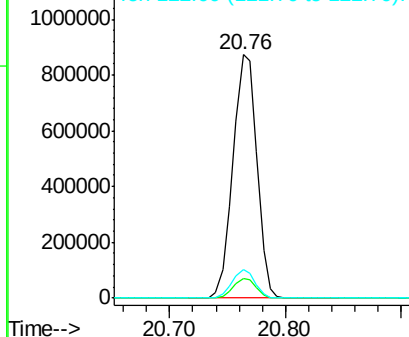
244 100

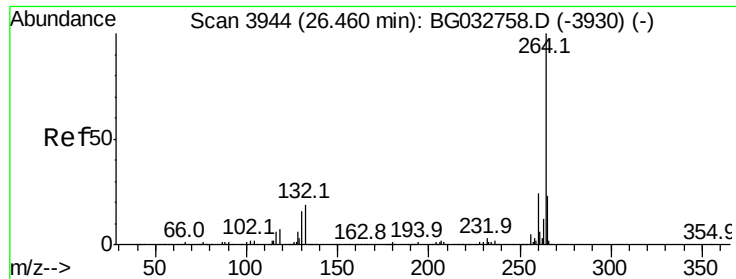
212 8.3 5.8 8.8

122 11.9 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
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033156.D
Acq: 14 Mar 2018 20:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	22.5	17.7	26.5

