

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033140.D
 Acq On : 14 Mar 2018 7:14
 Operator : SJ/JU
 Sample : J1898-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 11:50:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	45660	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	199679	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110171	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	238255	20.00	ng	0.00
75) Chrysene-d12	22.61	240	218528	20.00	ng	0.00
86) Perylene-d12	26.42	264	189839	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	454573	159.28	ng	0.00
7) Phenol-d6	8.02	99	546406	137.35	ng	0.01
23) Nitrobenzene-d5	10.11	82	416136	137.67	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	155633	134.35	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	860350	112.63	ng	0.00
78) Terphenyl-d14	20.77	244	1236305	127.11	ng	0.00

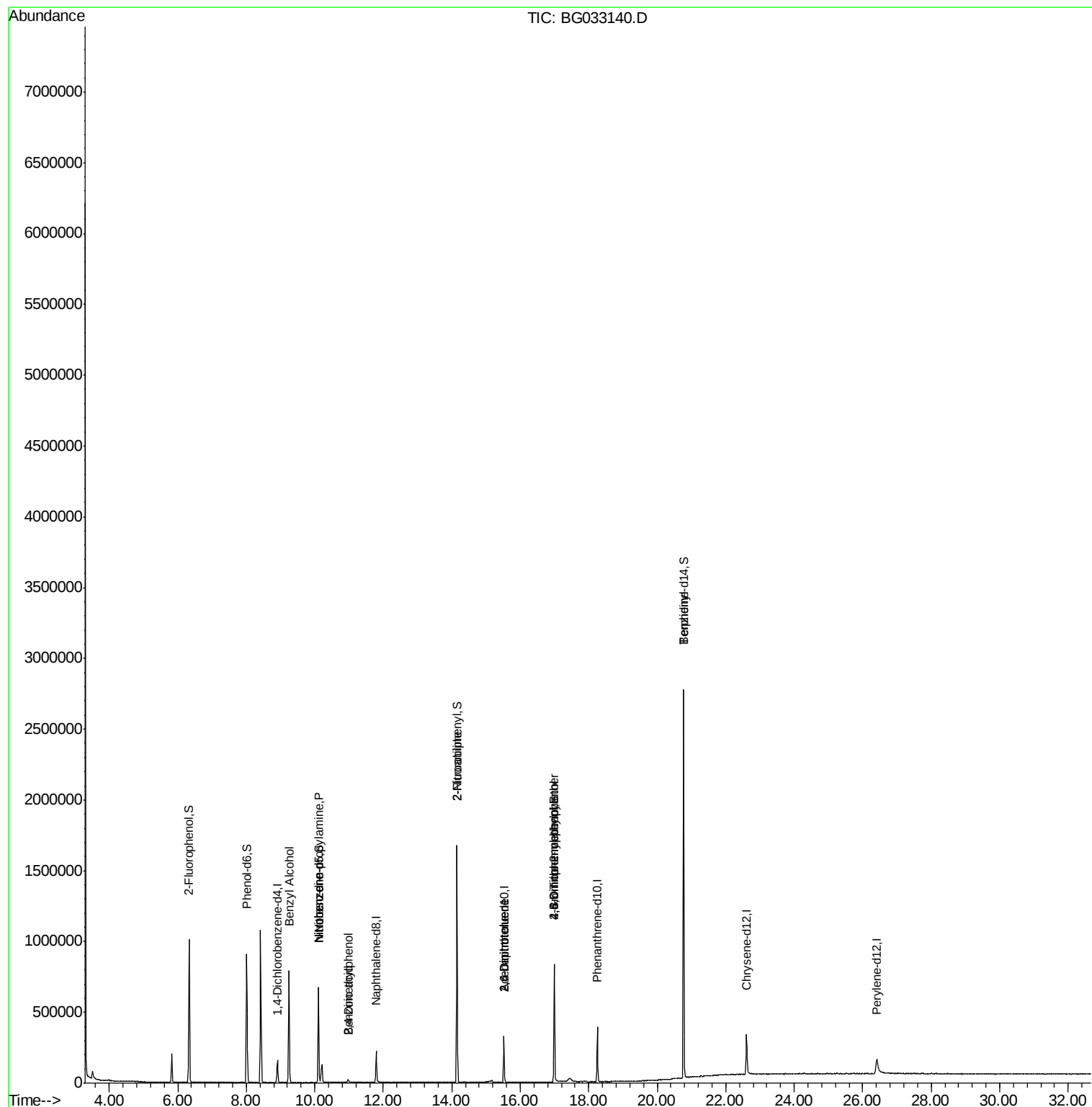
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	7191	2.459	ng	# 44
19) n-Nitroso-di-n-propylamine	10.11	70	55472	19.752	ng	# 88
24) Nitrobenzene	10.11	77	1408	6.764	ng	# 40
27) 2,4-Dimethylphenol	10.97	122	10671	3.505	ng	# 1
32) Benzoic acid	10.97	122	10671	12.318	ng	# 86
47) 2-Nitroaniline	14.15	65	1893	10.666	ng	# 5
50) 2,6-Dinitrotoluene	15.52	165	14545	16.551	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	14545	14.750	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	323	5.525	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	9987	3.964	ng	# 1
76) Benzydine	20.77	184	21442	2.879	ng	# 91

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

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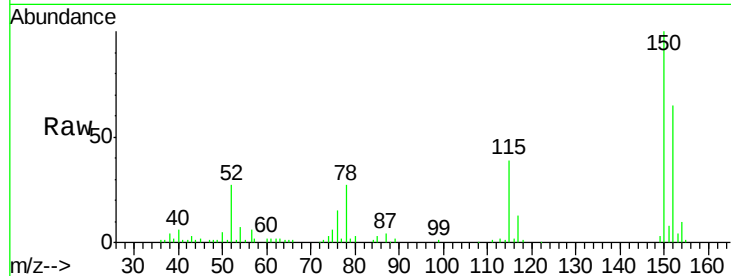


#1

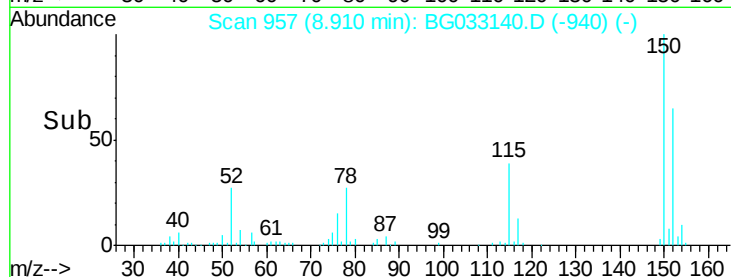
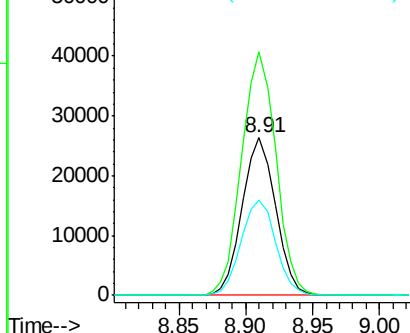
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 45660
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 60.4 53.0 79.4



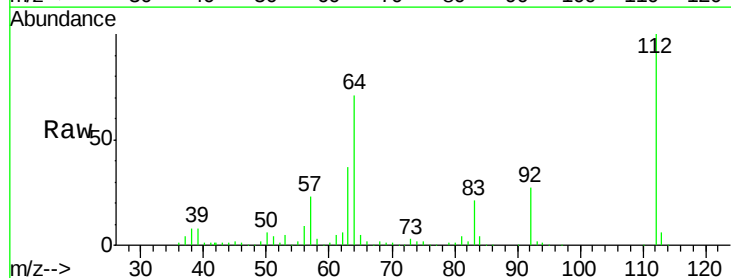
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



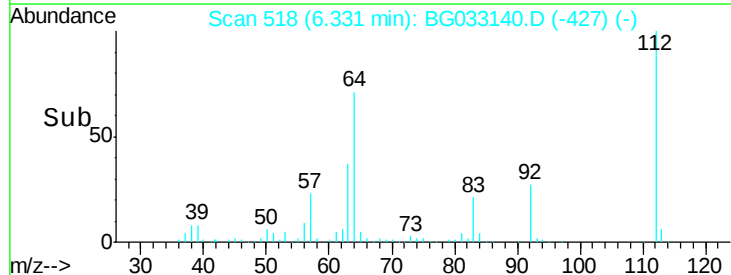
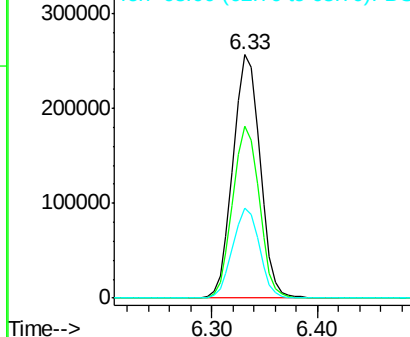
#5

2-Fluorophenol
Concen: 159.275 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion:112 Resp: 454573
Ion Ratio Lower Upper
112 100
64 70.7 56.3 84.5
63 36.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 137.354 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

Instrument :

BNA_G

ClientSampled :

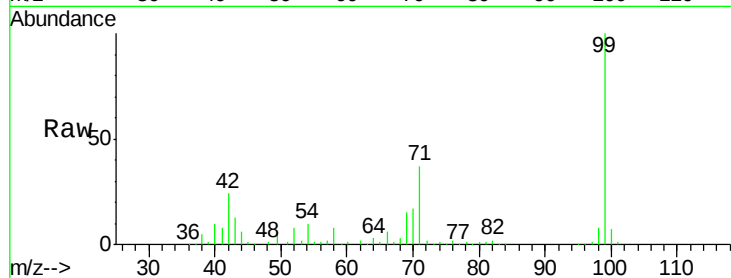
Tot Ion: 99 Resp: 546406

Ion Ratio Lower Upper

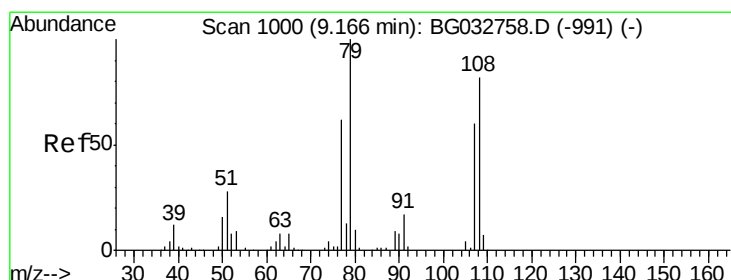
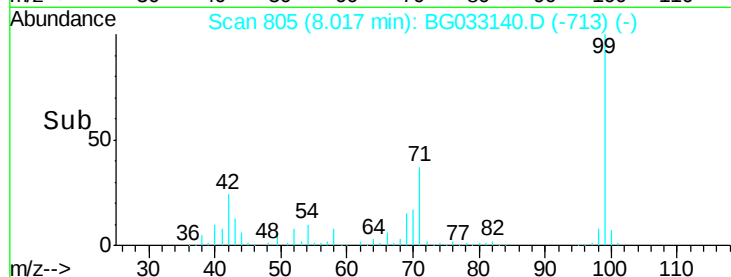
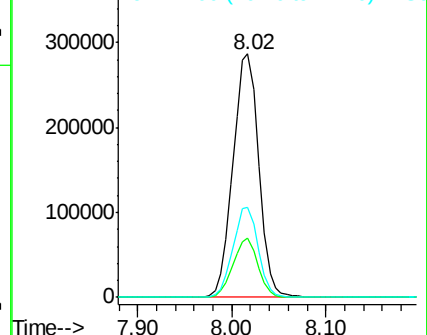
99 100

42 24.4 14.1 21.1#

71 36.9 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: 2.459 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

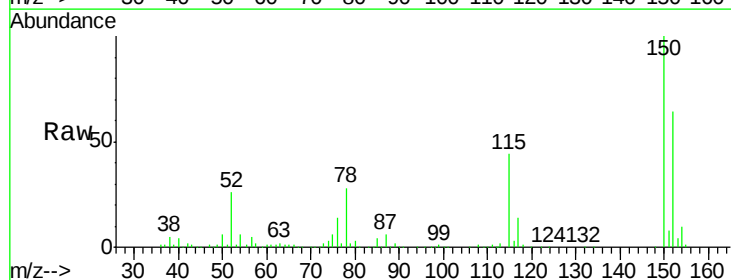
Tgt Ion: 79 Resp: 7191

Ion Ratio Lower Upper

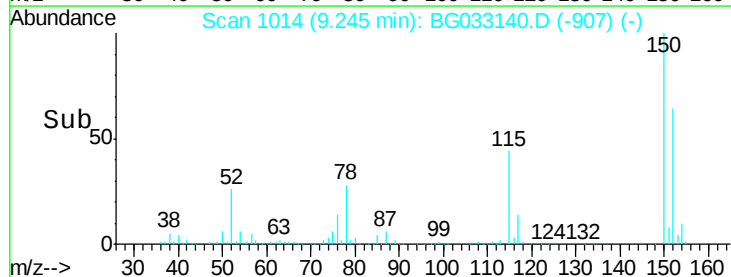
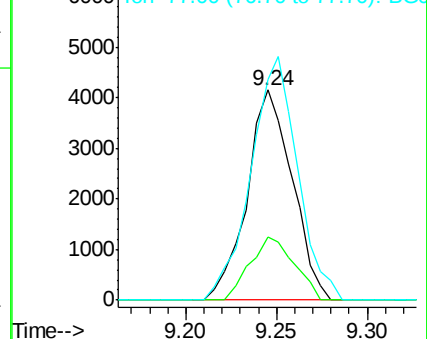
79 100

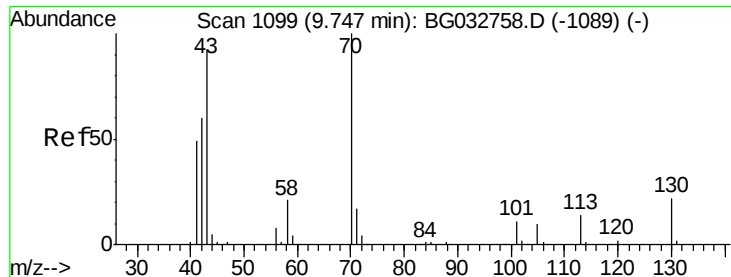
108 30.3 57.2 85.8#

77 105.0 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

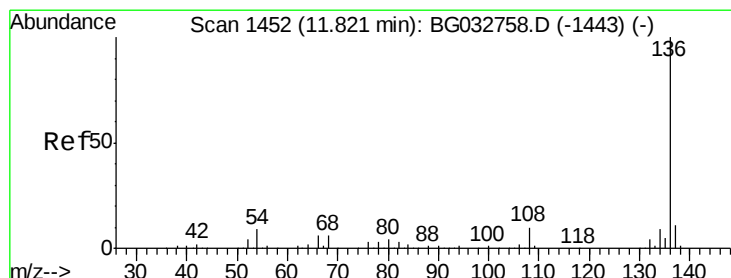
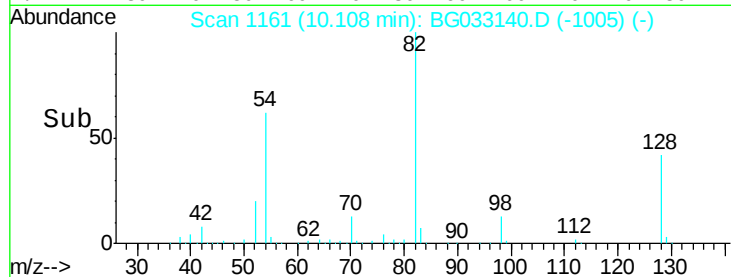
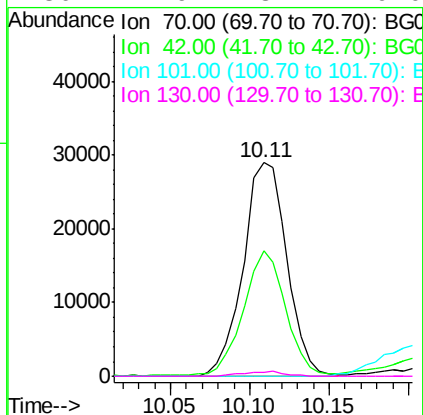
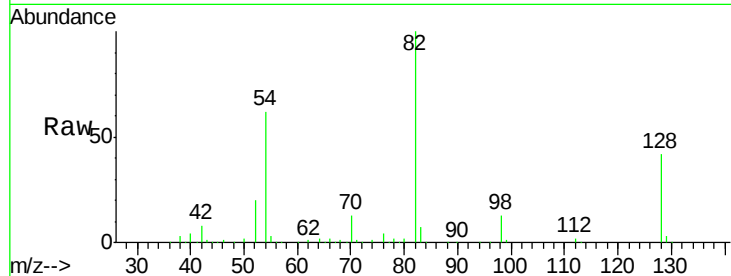




#19
n-Nitroso-di-n-propylamine
Concen: 19.752 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

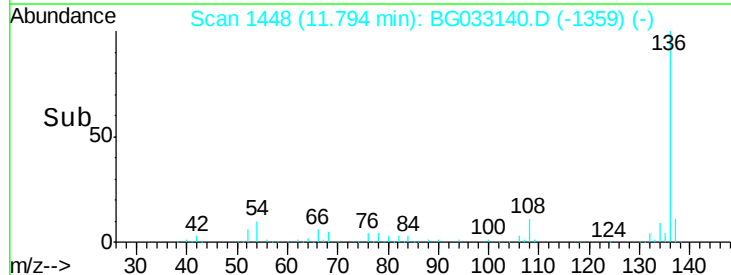
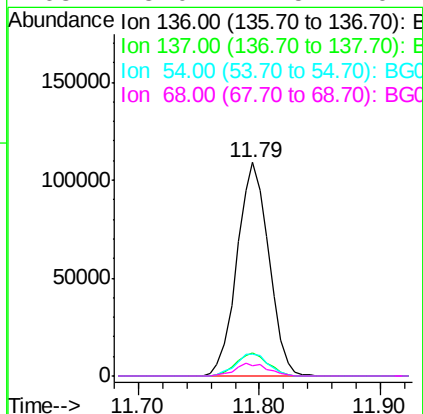
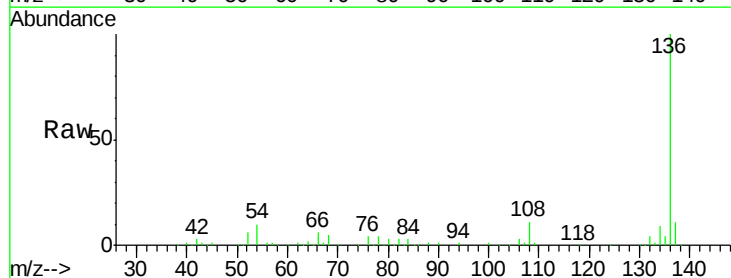
Instrument :
BNA_G
ClientSampled :

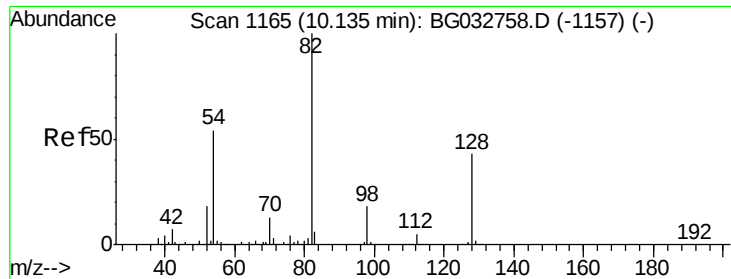
Tot Ion: 70 Resp: 55472
Ion Ratio Lower Upper
70 100
42 58.7 49.1 73.7
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion: 136 Resp: 199679
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 10.3 15.5#
68 5.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 137.668 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

Instrument :

BNA_G

ClientSampled :

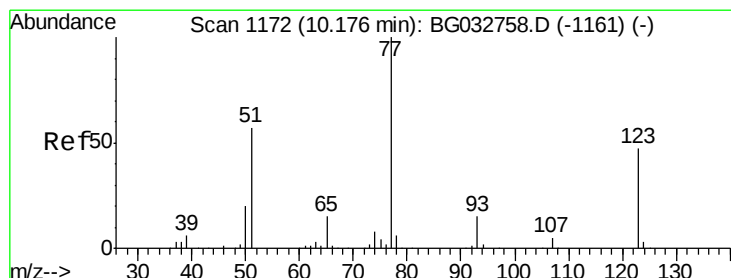
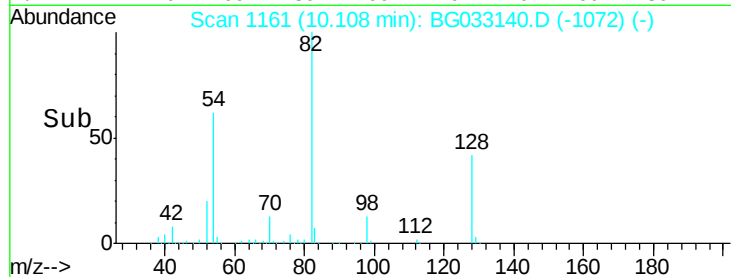
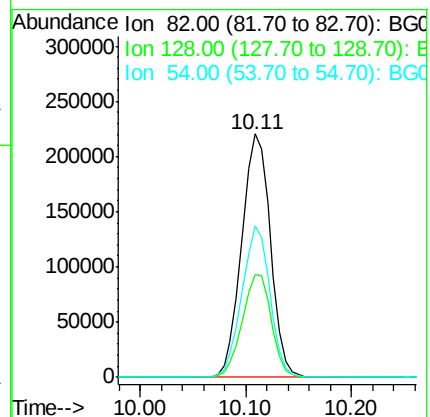
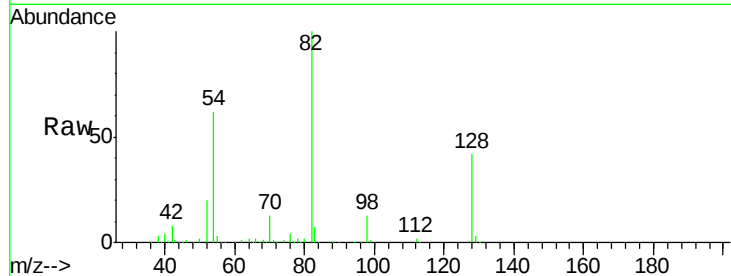
Tot Ion: 82 Resp: 416136

Ion Ratio Lower Upper

82 100

128 42.4 29.7 44.5

54 62.2 43.1 64.7



#24

Nitrobenzene

Concen: 6.764 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

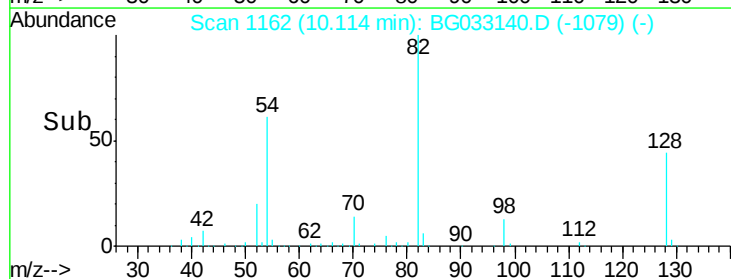
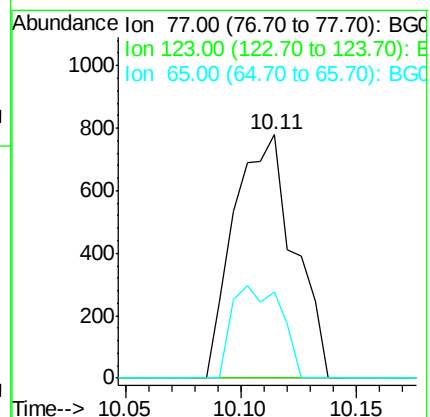
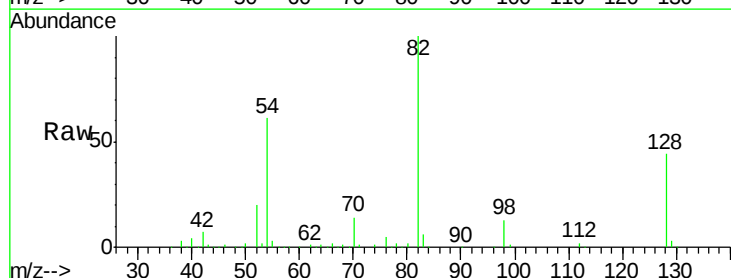
Tgt Ion: 77 Resp: 1408

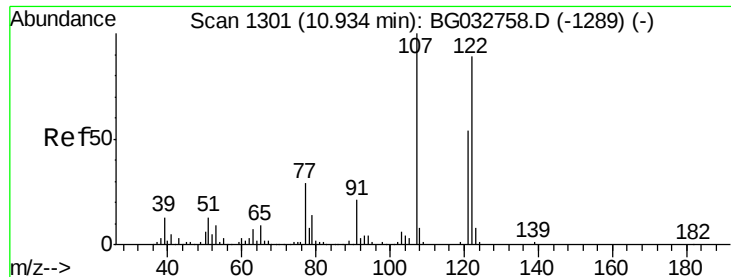
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 35.3 13.0 19.6#

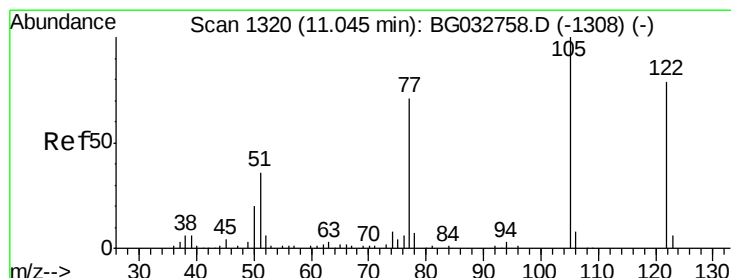
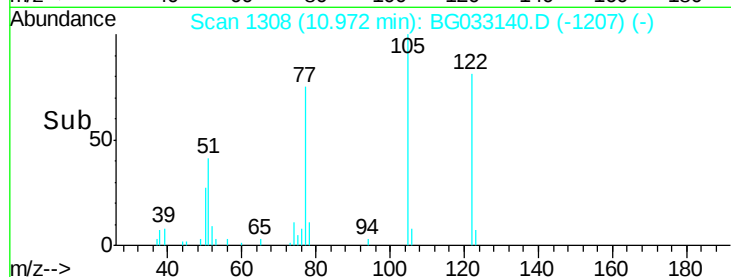
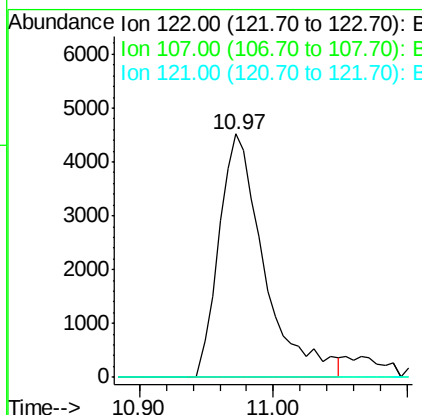
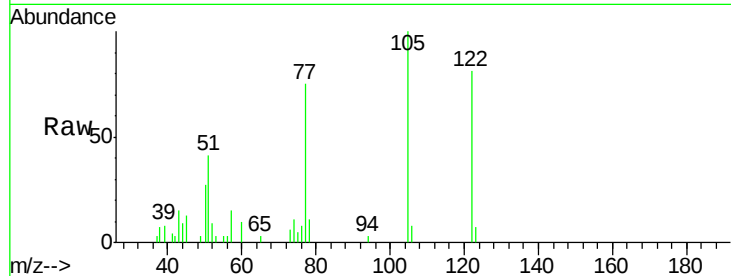




#27
2,4-Dimethylphenol
Concen: 3.505 ng
RT: 10.97 min Scan# 1308
Delta R.T. 0.07 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

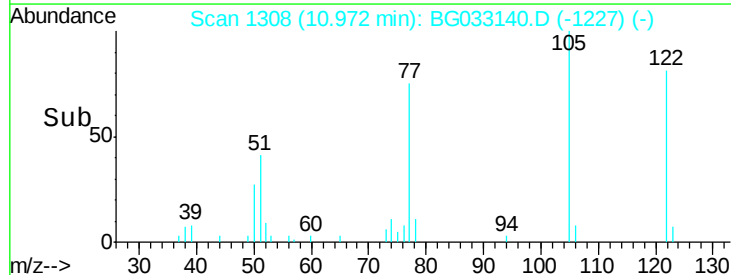
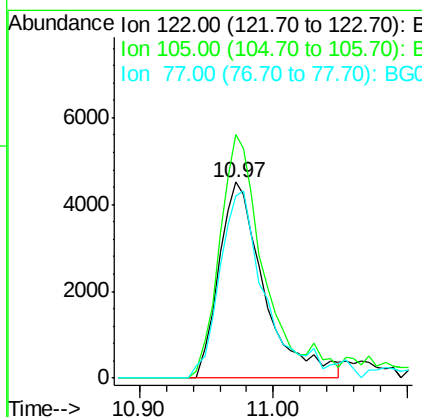
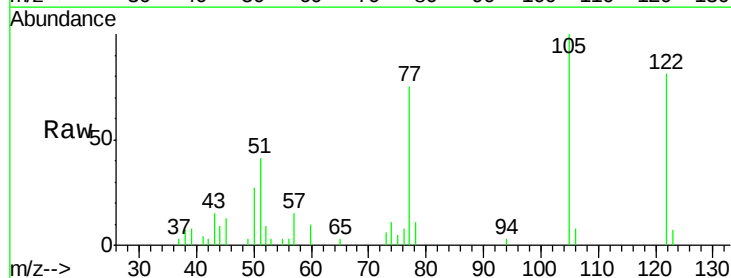
Instrument :
BNA_G
ClientSampleId :

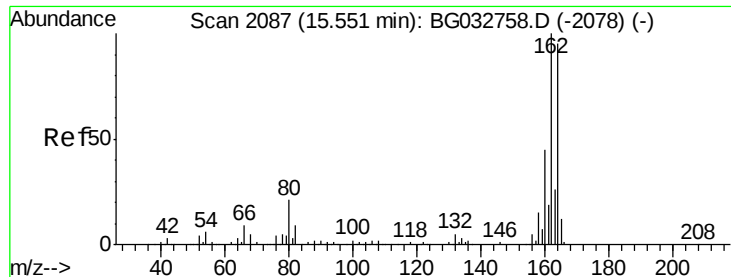
Tot Ion:122 Resp: 10671
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#



#32
Benzoic acid
Concen: 12.318 ng
RT: 10.97 min Scan# 1308
Delta R.T. -0.05 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion:122 Resp: 10671
Ion Ratio Lower Upper
122 100
105 124.1 123.5 163.5
77 92.7 85.7 125.7

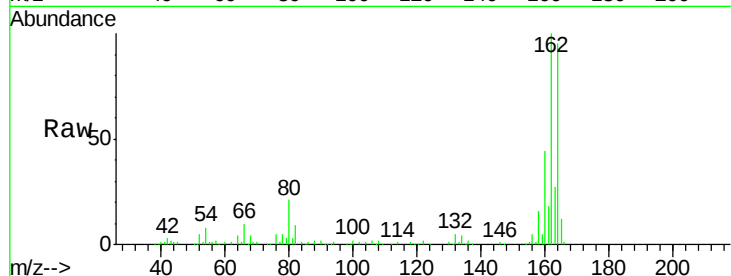




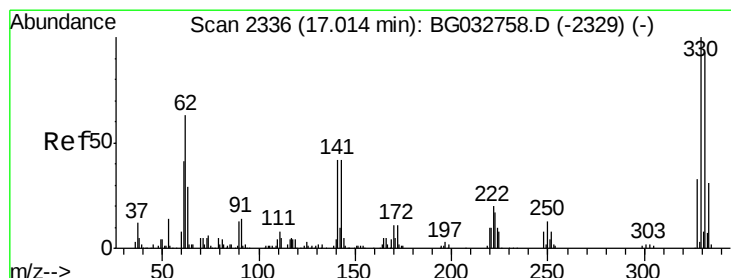
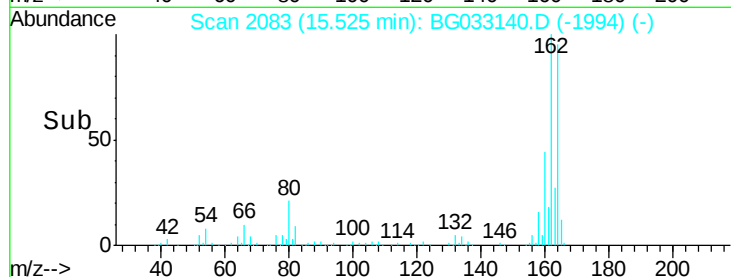
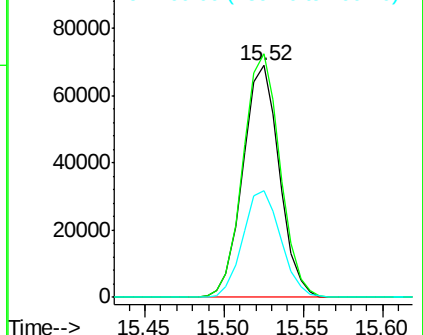
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 110171
Ion Ratio Lower Upper
164 100
162 105.1 78.8 118.2
160 46.0 35.4 53.0

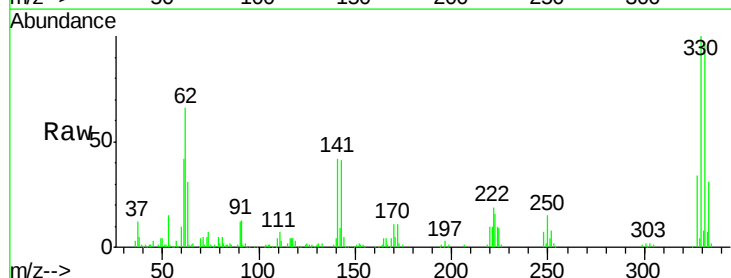


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

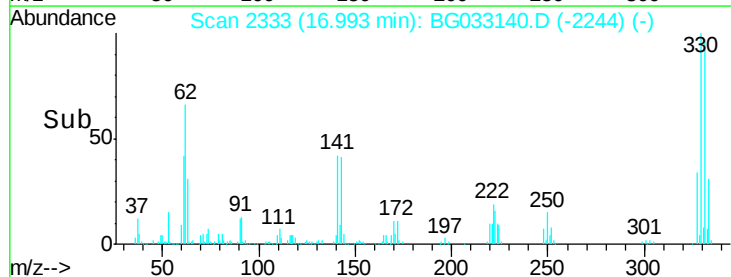
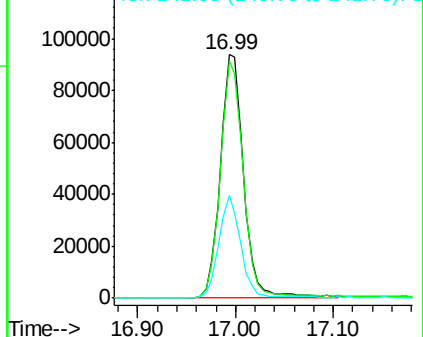


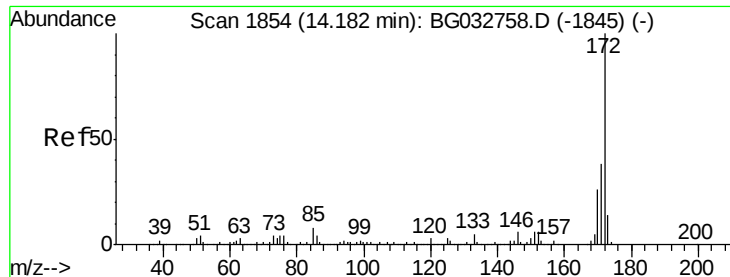
#41
2,4,6-Tribromophenol
Concen: 134.351 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion:330 Resp: 155633
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 40.1 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

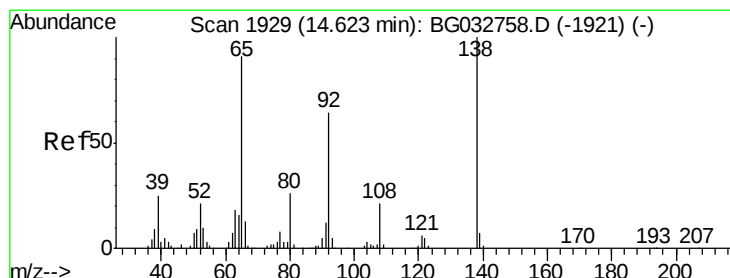
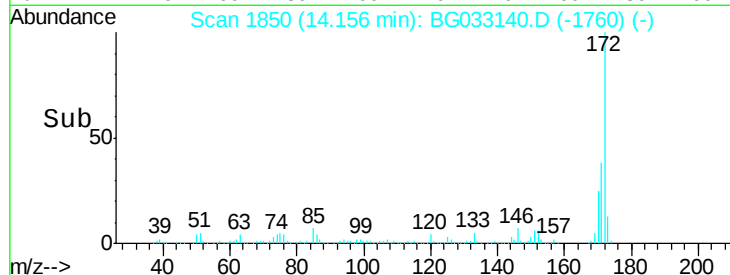
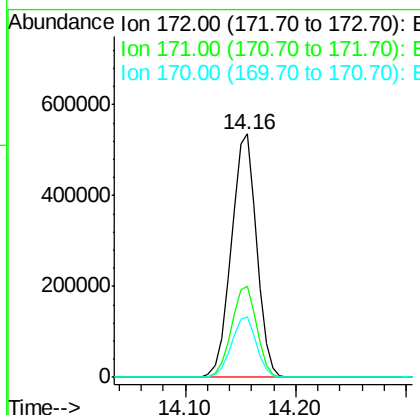
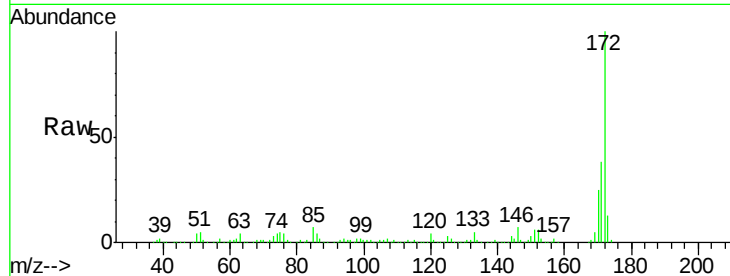




#44
 2-Fluorobiphenyl
 Concen: 112.629 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033140.D
 Acq: 14 Mar 2018 7:14

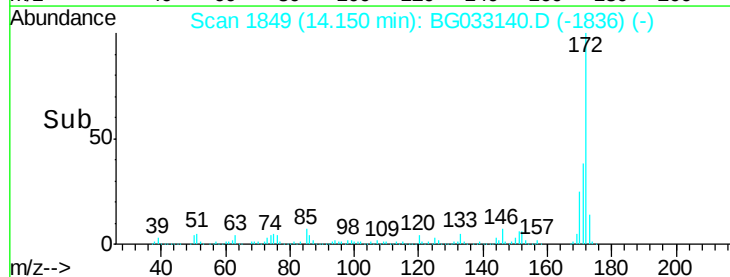
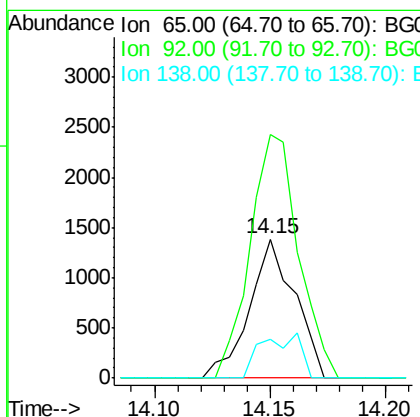
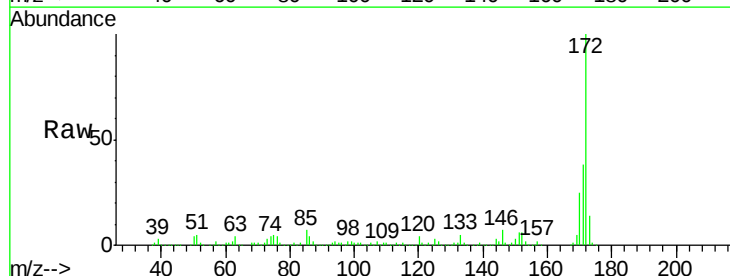
Instrument :
 BNA_G
 ClientSampleId :

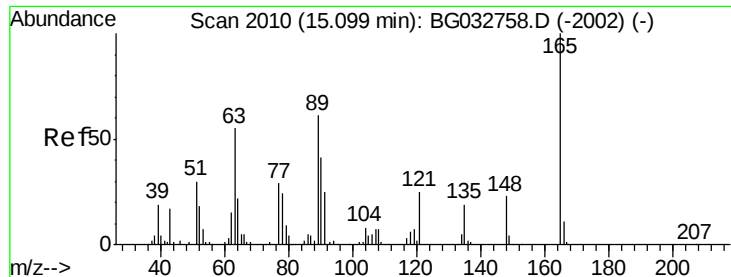
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	25.0	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.666 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.45 min
 Lab File: BG033140.D
 Acq: 14 Mar 2018 7:14

Tgt Ion	Ratio	Lower	Upper
65	100		
92	175.1	54.6	82.0#
138	27.8	72.9	109.3#

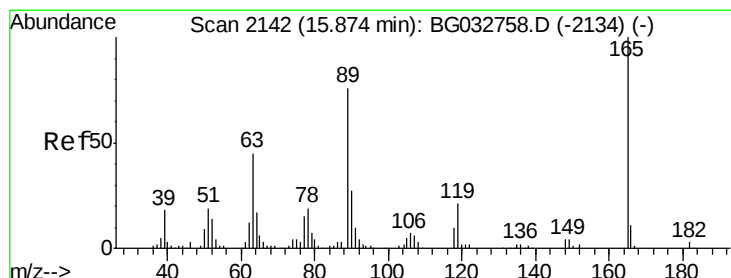
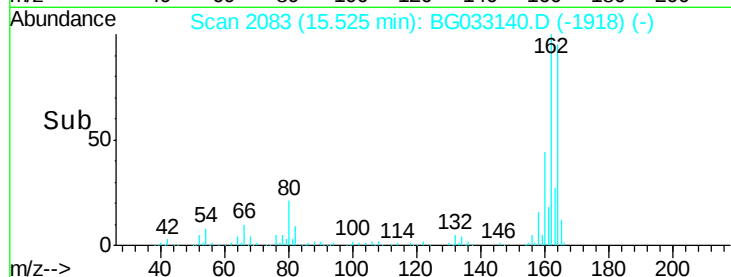
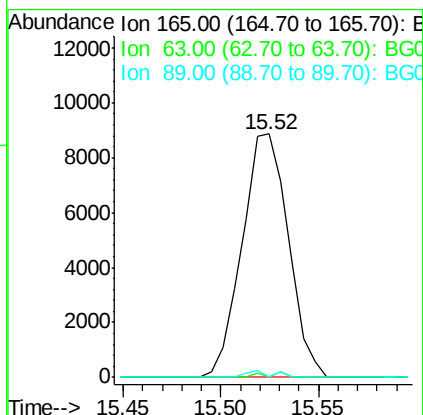
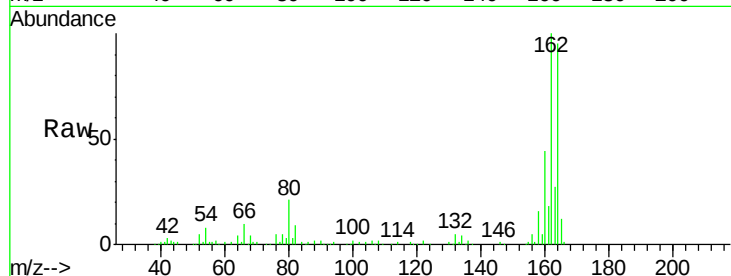




#50
2,6-Dinitrotoluene
Concen: 16.551 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

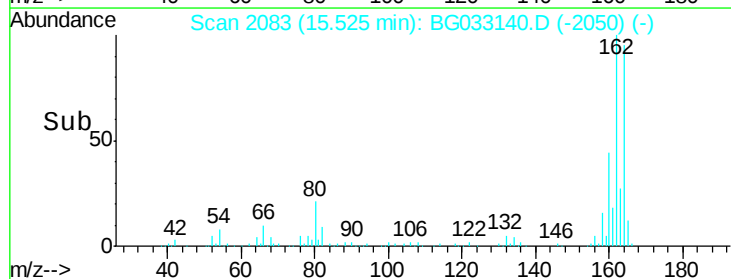
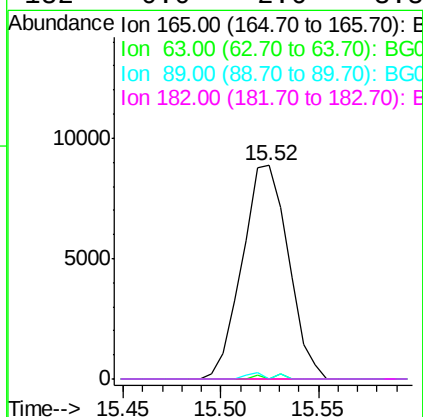
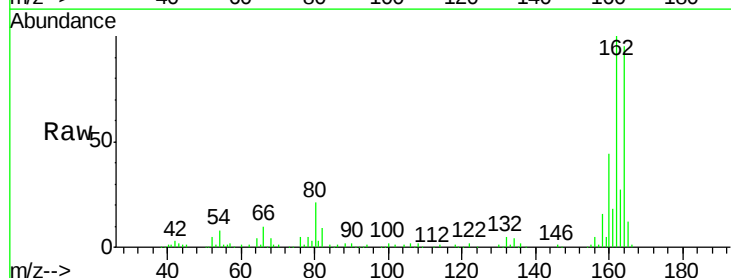
Instrument :
BNA_G
ClientSampleId :

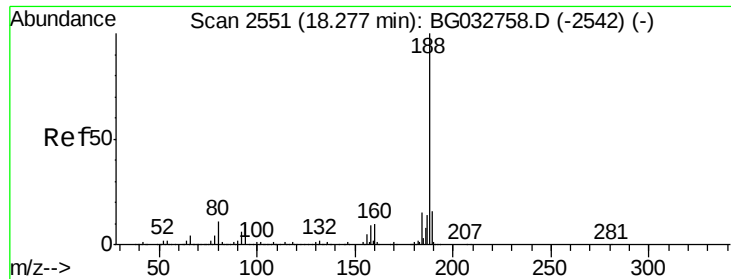
Tot Ion:165 Resp: 14545
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.750 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion:165 Resp: 14545
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

Instrument :

BNA_G

ClientSampleId :

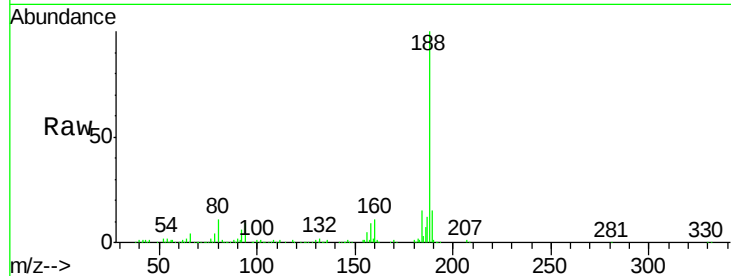
Tot Ion:188 Resp: 238255

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

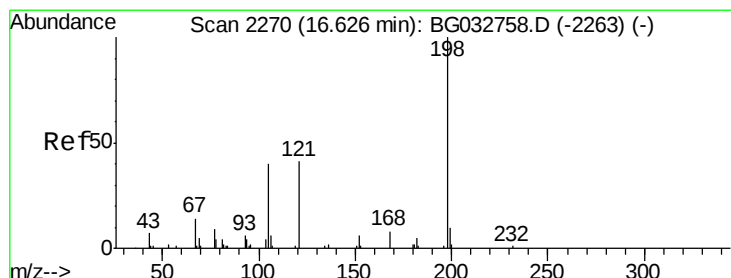
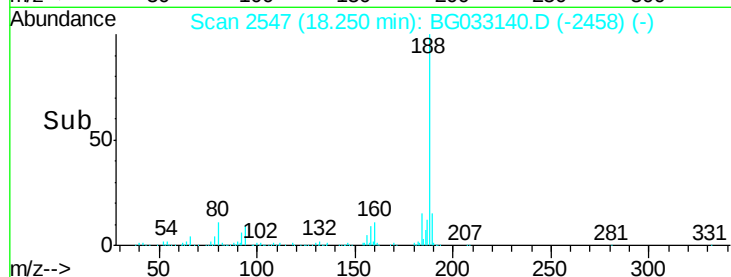
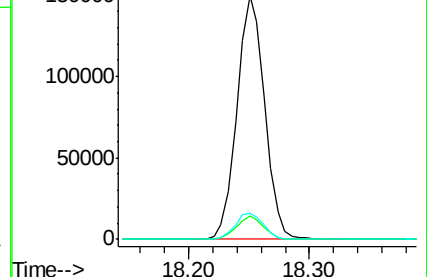
80 10.8 7.7 11.5



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: 5.525 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

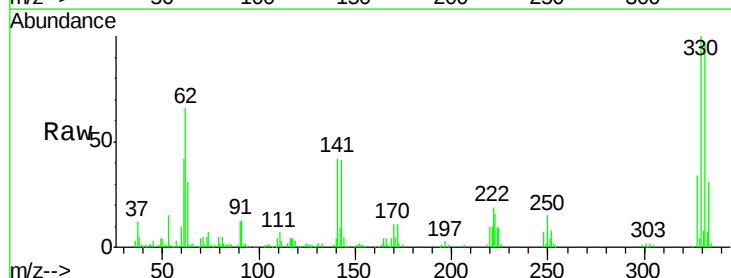
Tgt Ion:198 Resp: 323

Ion Ratio Lower Upper

198 100

51 207.3 30.6 70.6#

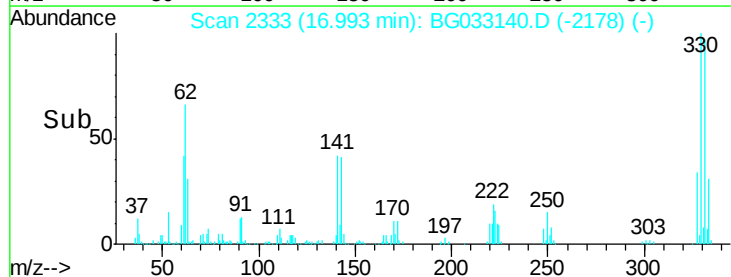
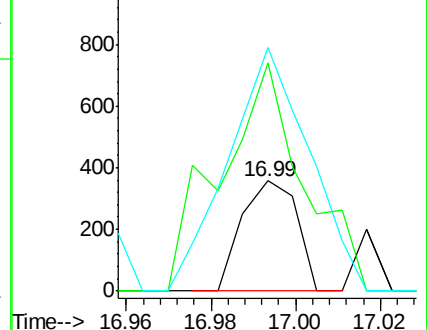
105 220.7 23.8 63.8#

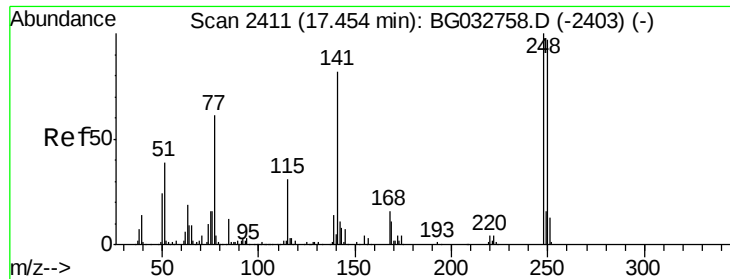


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

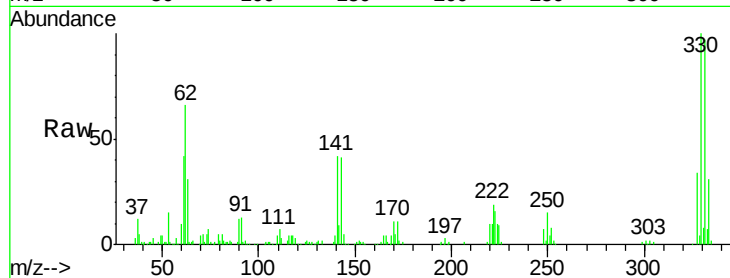




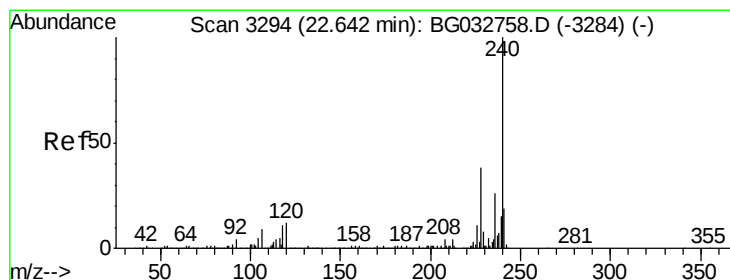
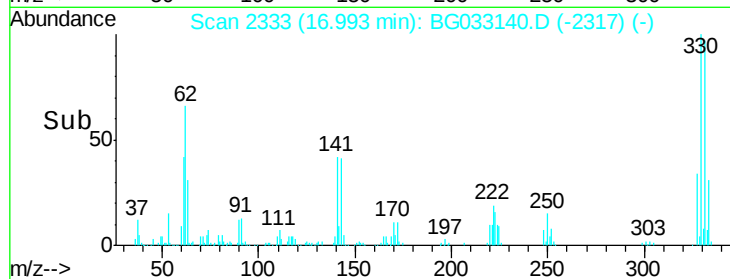
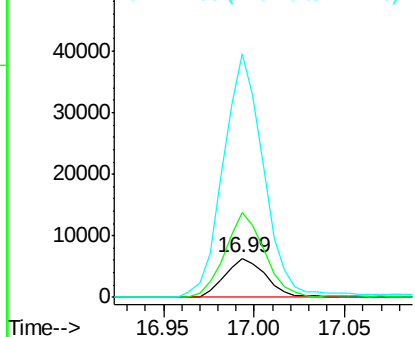
#66
4-Bromophenyl-phenylether
Concen: 3.964 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 9987
Ion Ratio Lower Upper
248 100
250 217.5 77.1 115.7#
141 626.6 50.8 76.2#

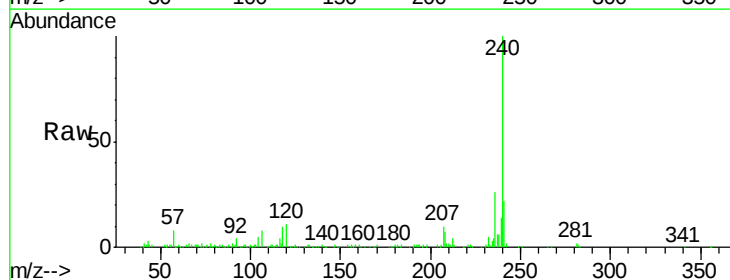


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

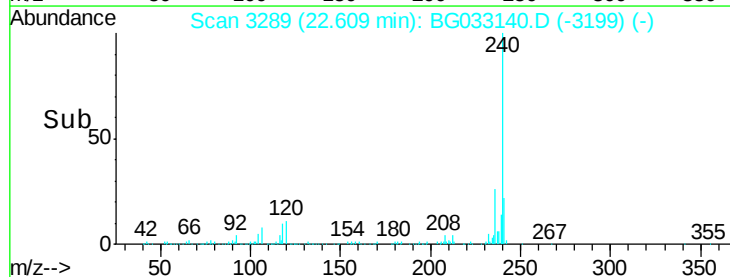
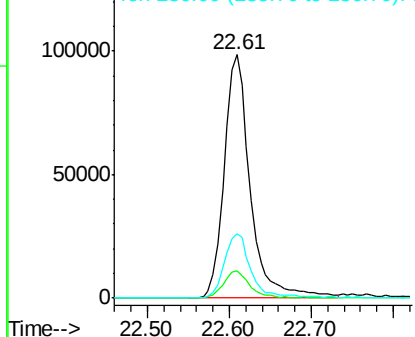


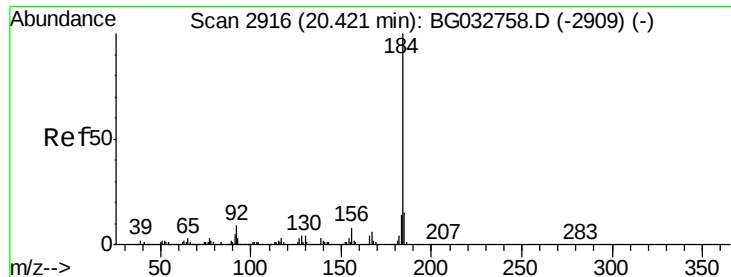
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3289
Delta R.T. 0.00 min
Lab File: BG033140.D
Acq: 14 Mar 2018 7:14

Tgt Ion:240 Resp: 218528
Ion Ratio Lower Upper
240 100
120 11.2 6.8 10.2#
236 26.3 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: 2.879 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

Instrument :

BNA_G

ClientSampleId :

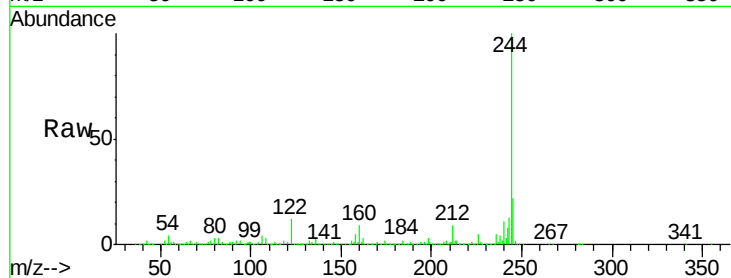
Tot Ion:184 Resp: 21442

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

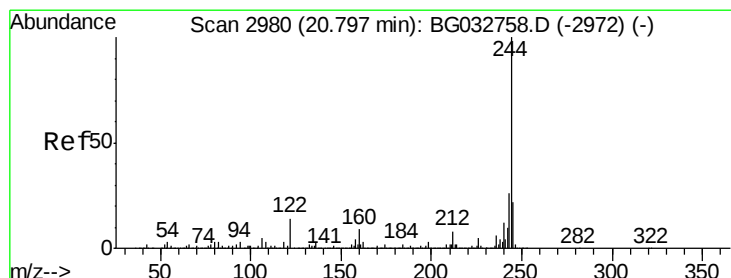
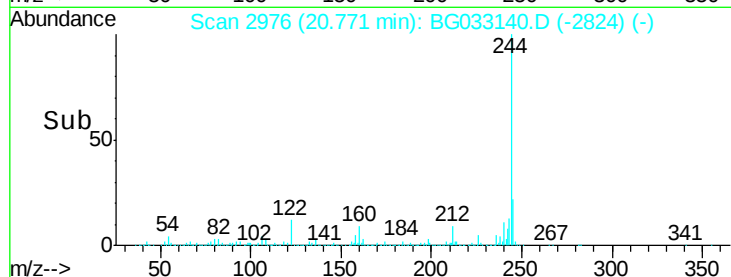
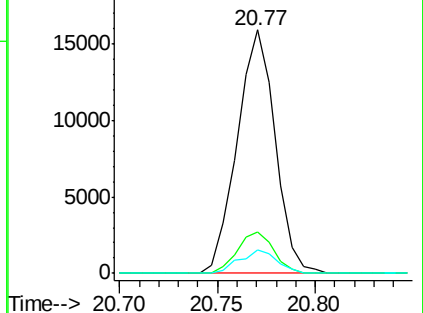
183 9.4 10.6 16.0#



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: 127.107 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

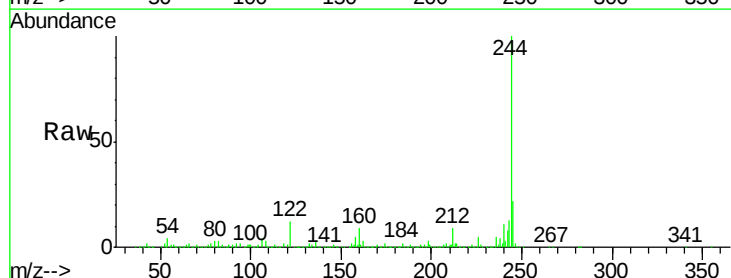
Tgt Ion:244 Resp: 1236305

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

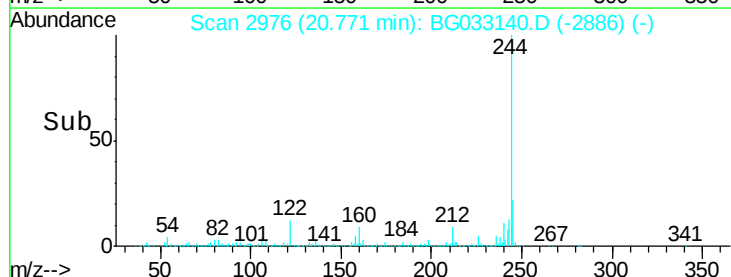
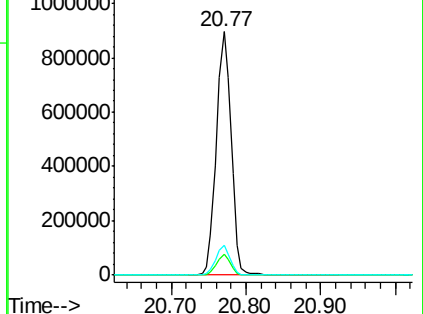
122 12.2 7.0 10.4#

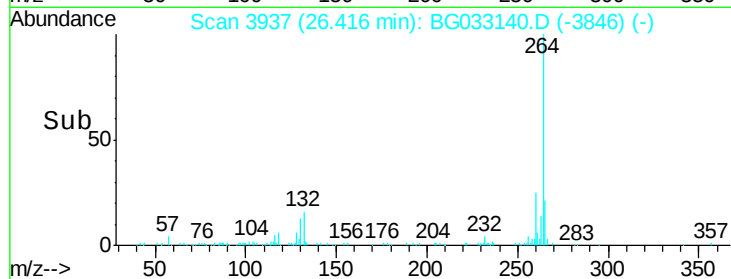
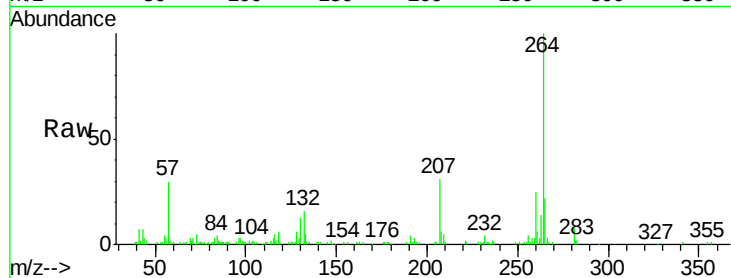
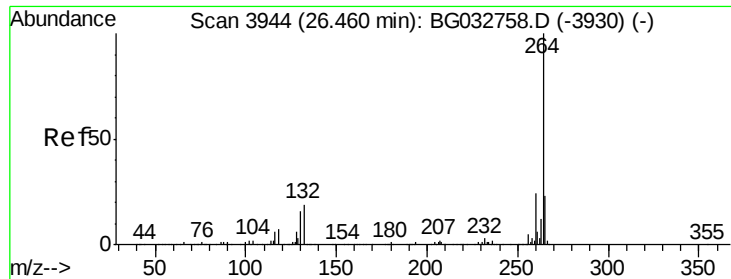


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033140.D

Acq: 14 Mar 2018 7:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 189839

Ion Ratio Lower Upper

264 100

260 25.0 17.4 26.0

265 21.8 17.7 26.5

