

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033162.D
 Acq On : 15 Mar 2018 2:37
 Operator : SJ/JU
 Sample : J1794-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 04:44:36 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	8.91	152	41103	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	175137	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	103536	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	263505	20.00	ng	0.00
75) Chrysene-d12	22.60	240	250572	20.00	ng	0.00
86) Perylene-d12	26.41	264	266296	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	345985	134.67	ng	0.00
7) Phenol-d6	8.01	99	416675	116.35	ng	0.00
23) Nitrobenzene-d5	10.10	82	319370	121.70	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	249419	229.11	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	700479	97.58	ng	0.00
78) Terphenyl-d14	20.77	244	1300724	116.63	ng	0.00

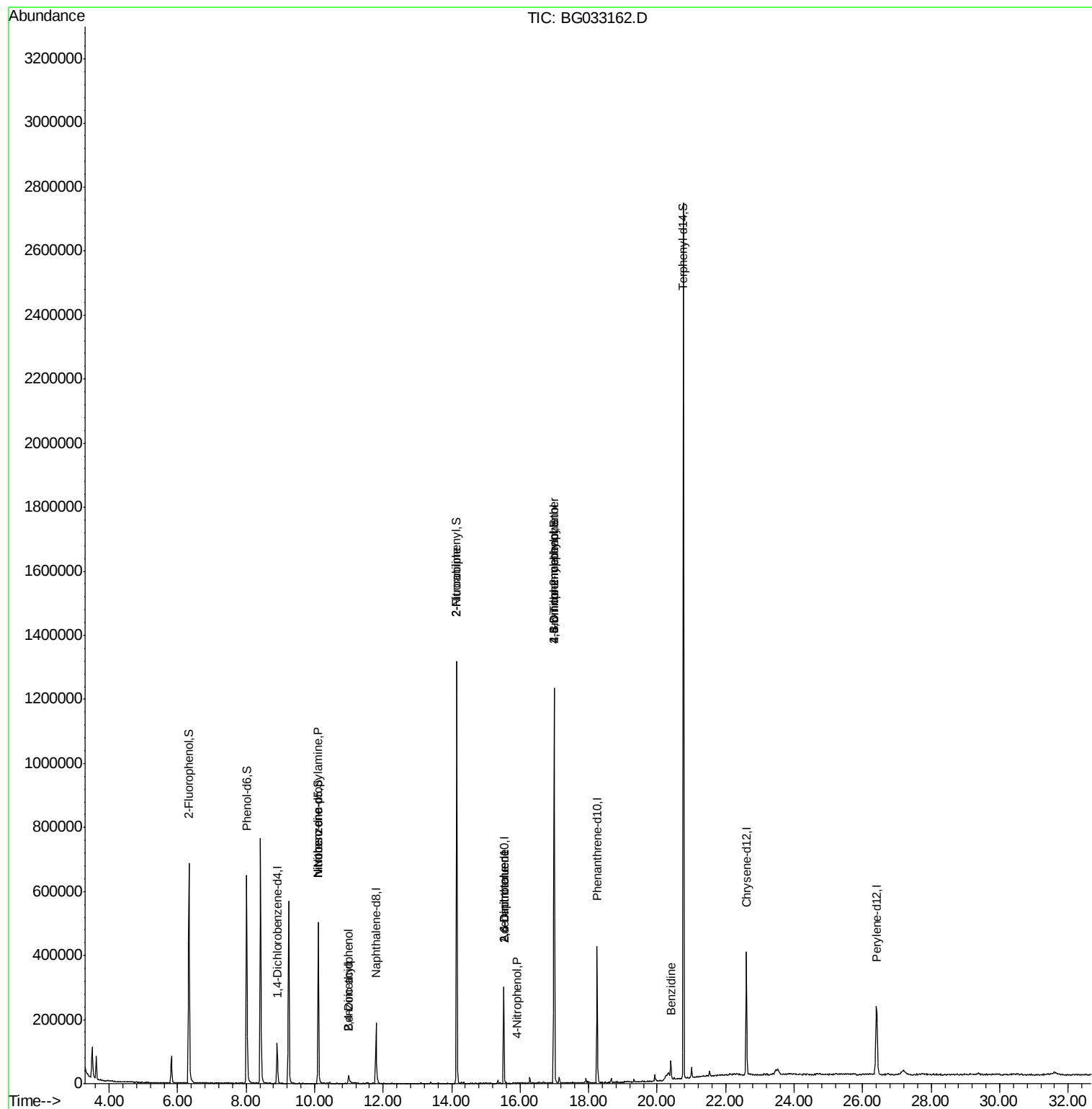
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	43385	17.161	ng	# 83
24) Nitrobenzene	10.11	77	793	6.627	ng	# 32
27) 2,4-Dimethylphenol	10.99	122	14249	5.336	ng	# 1
32) Benzoic acid	10.99	122	14249	15.449	ng	# 82
47) 2-Nitroaniline	14.15	65	1163	10.378	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	13414	16.408	ng	# 20
55) 4-Nitrophenol	15.90	139	798	7.586	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13414	14.606	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	651	5.997	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16073	5.769	ng	# 1
76) Benzidine	20.40	184	32040	3.751	ng	98

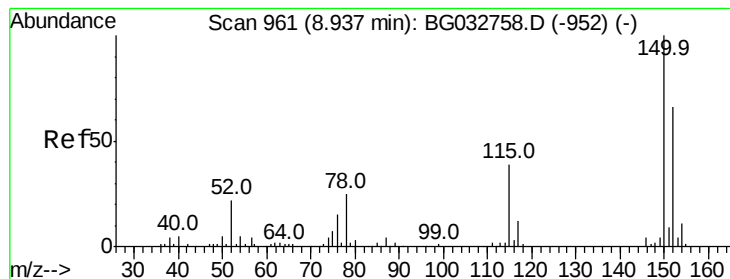
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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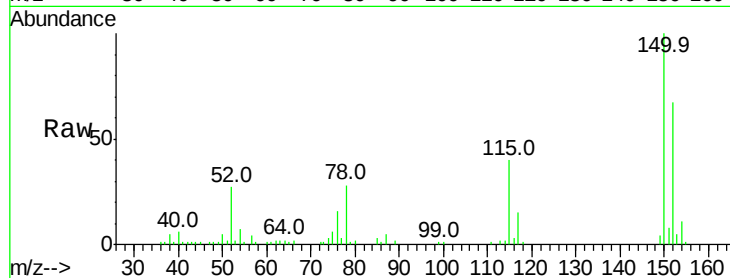


#1

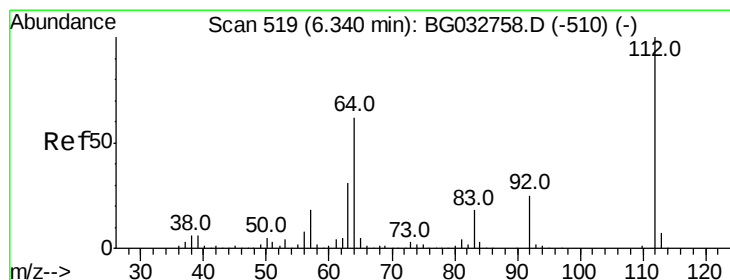
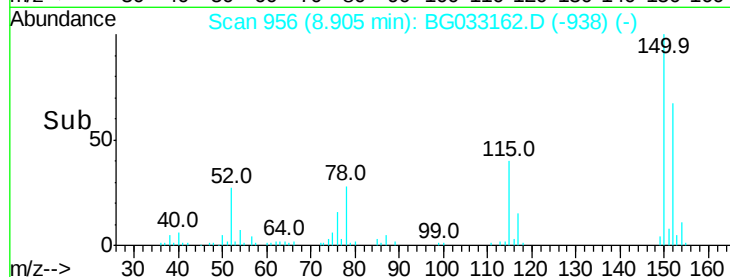
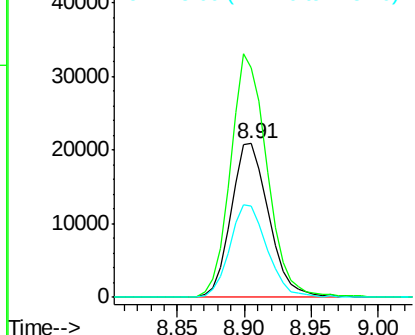
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 956
Delta R.T. 0.01 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41103
Ion Ratio Lower Upper
152 100
150 149.7 126.6 189.8
115 59.3 53.0 79.4



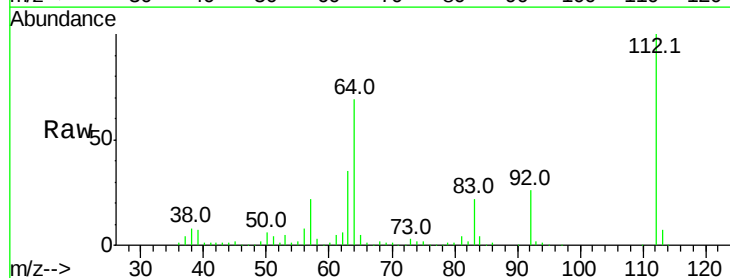
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



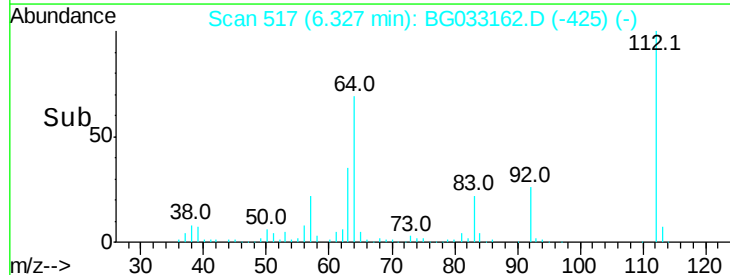
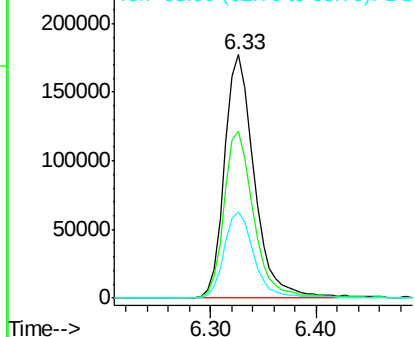
#5

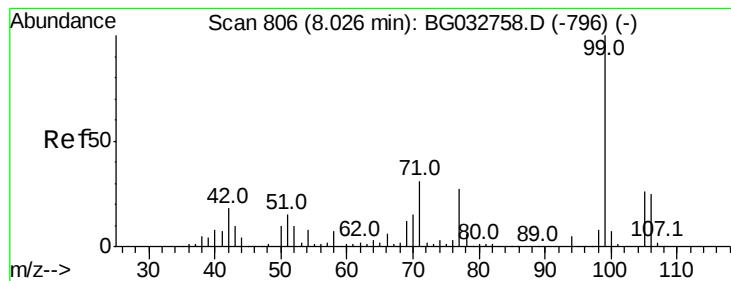
2-Fluorophenol
Concen: 134.668 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.01 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Tgt Ion:112 Resp: 345985
Ion Ratio Lower Upper
112 100
64 68.6 56.3 84.5
63 35.4 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: 116.355 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

Instrument :

BNA_F

ClientSampled :

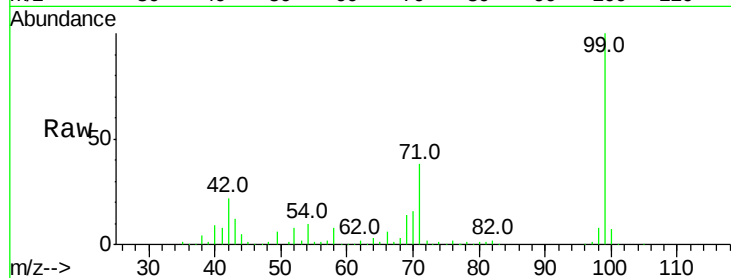
Tot Ion: 99 Resp: 416675

Ion Ratio Lower Upper

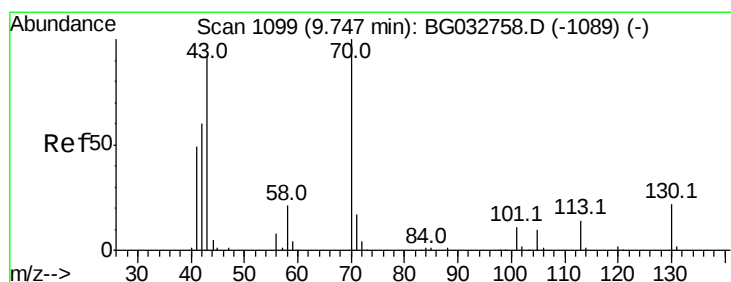
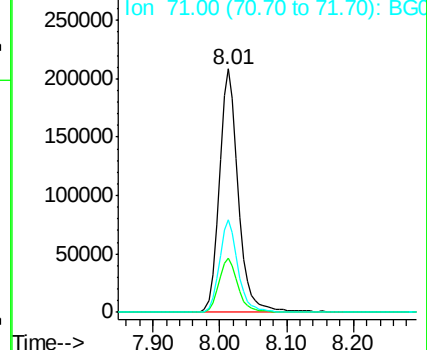
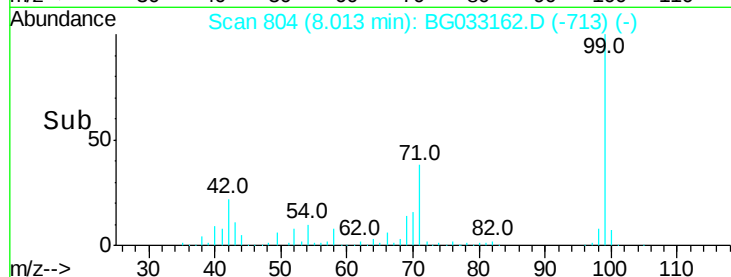
99 100

42 22.3 14.1 21.1#

71 38.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.161 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.39 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

Tgt Ion: 70 Resp: 43385

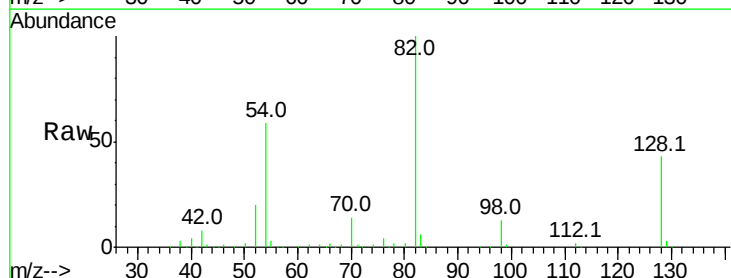
Ion Ratio Lower Upper

70 100

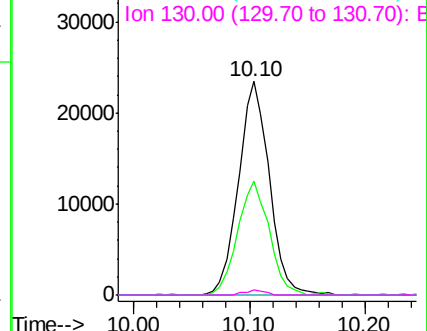
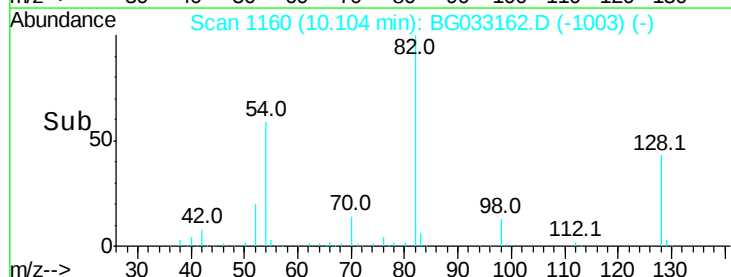
42 53.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 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

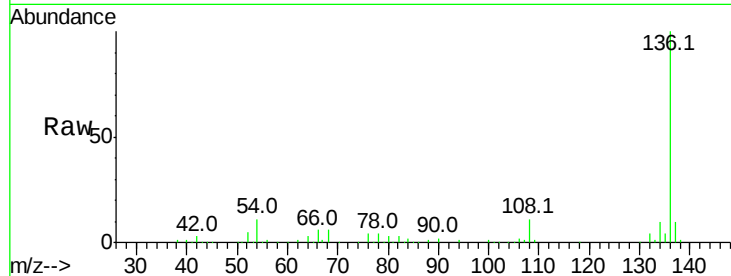




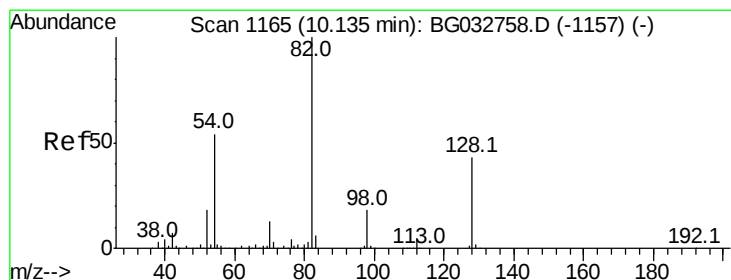
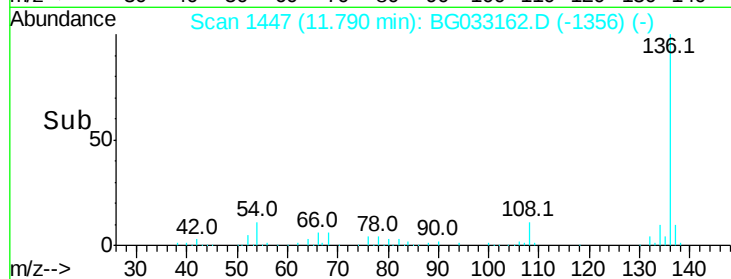
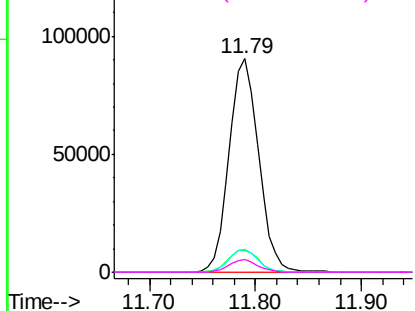
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	175137
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	10.8	10.3	15.5
68	6.2	4.5	6.7

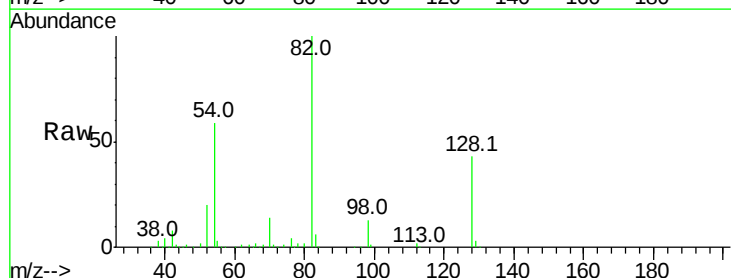


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

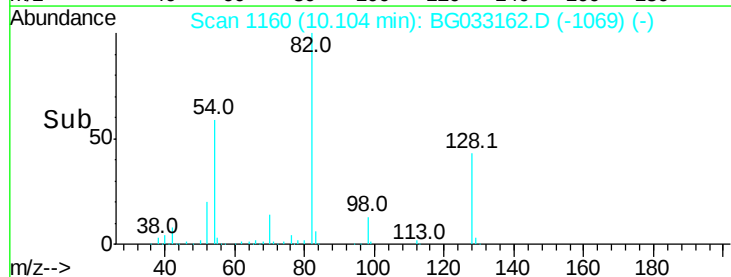
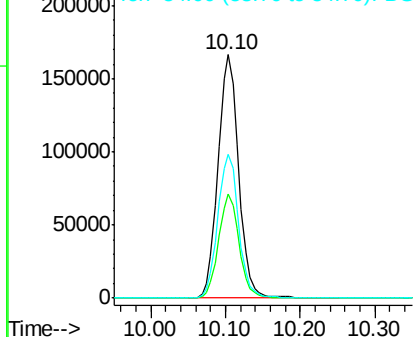


#23
Nitrobenzene-d5
Concen: 121.700 ng
RT: 10.10 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Tgt Ion:	82	Resp:	319370
Ion	Ratio	Lower	Upper
82	100		
128	42.9	29.7	44.5
54	58.9	43.1	64.7



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

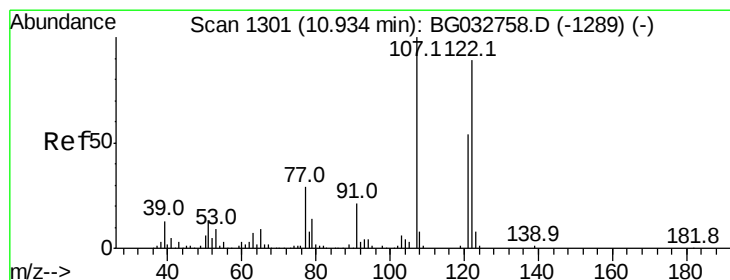
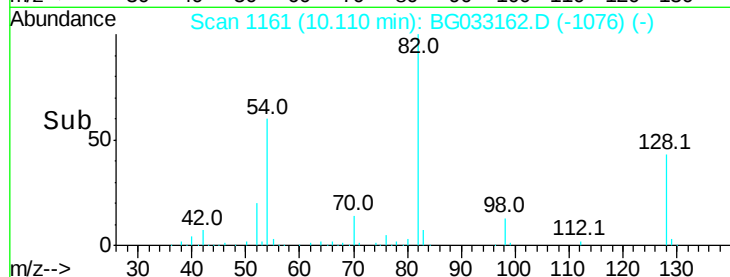
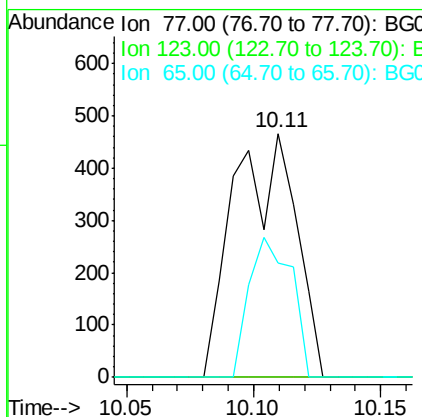
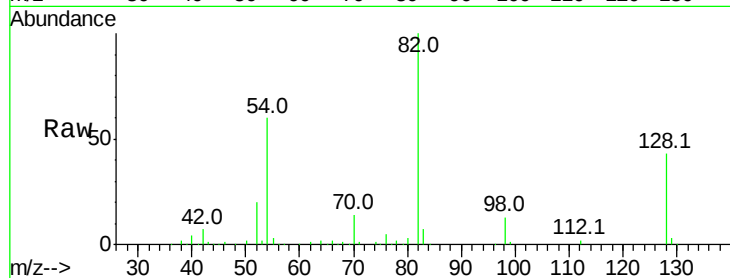




#24
Nitrobenzene
Concen: 6.627 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

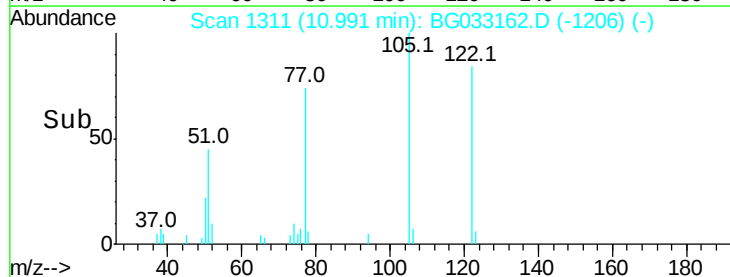
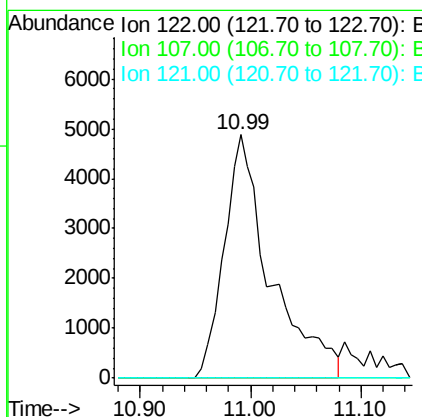
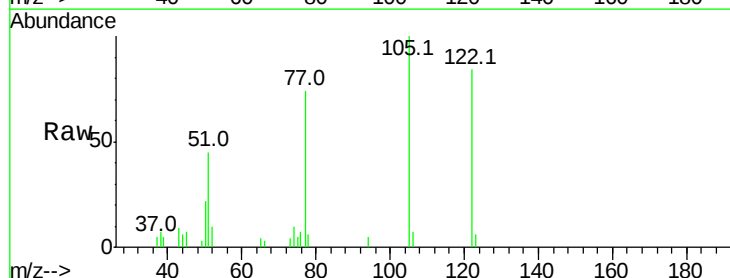
Instrument :
BNA_F
ClientSampleId :

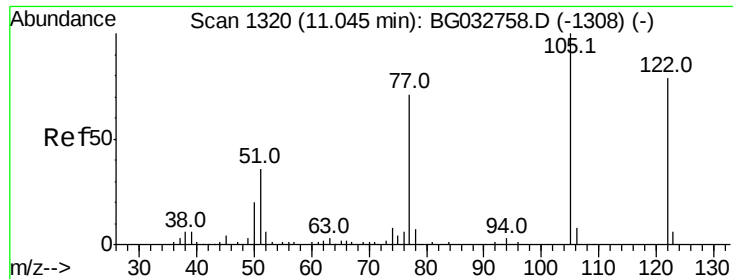
Tot Ion: 77 Resp: 793
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 47.0 13.0 19.6#



#27
2,4-Dimethylphenol
Concen: 5.336 ng
RT: 10.99 min Scan# 1311
Delta R.T. 0.08 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Tgt Ion: 122 Resp: 14249
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#





#32

Benzoic acid

Concen: 15.449 ng

RT: 10.99 min Scan# 1311

Delta R.T. 0.02 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

Instrument :

BNA_F

ClientSampleId :

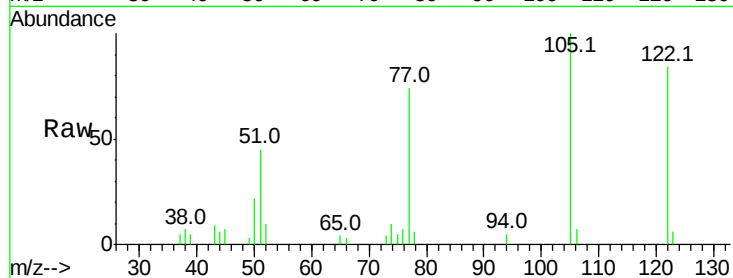
Tot Ion:122 Resp: 14249

Ion Ratio Lower Upper

122 100

105 119.4 123.5 163.5#

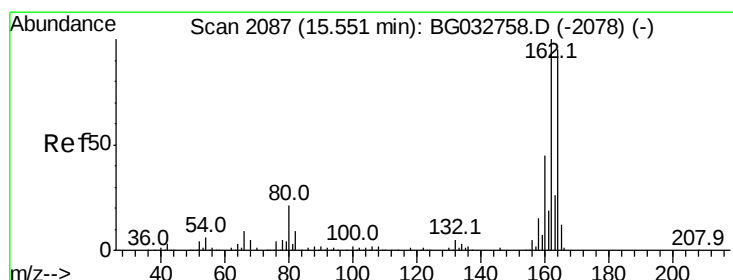
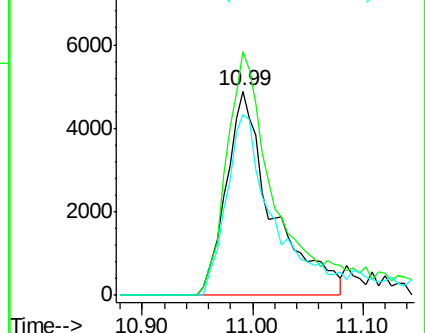
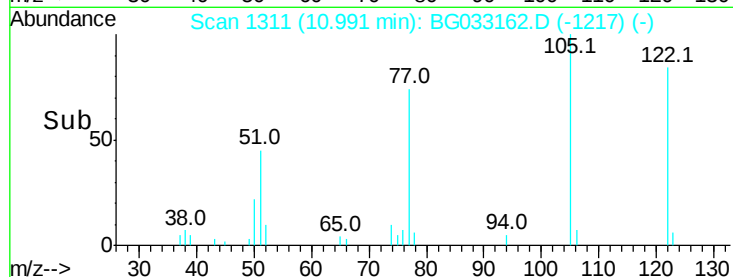
77 88.8 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

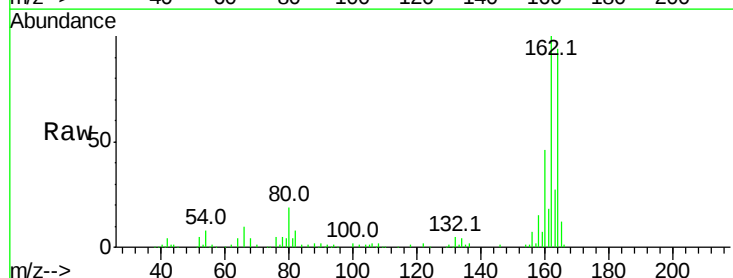
Tgt Ion:164 Resp: 103536

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

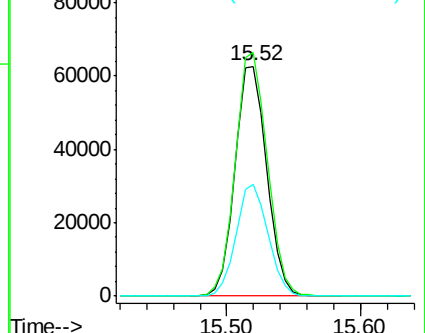
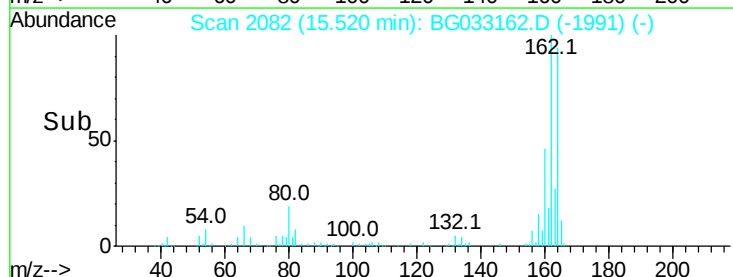
160 48.7 35.4 53.0

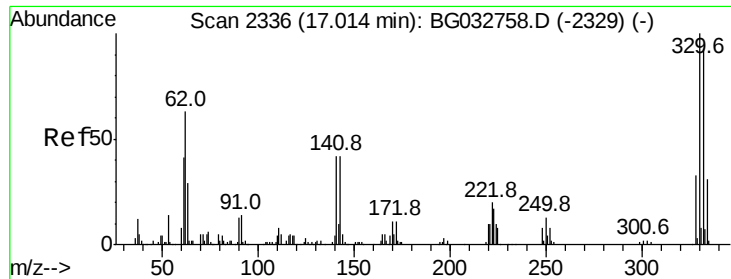


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

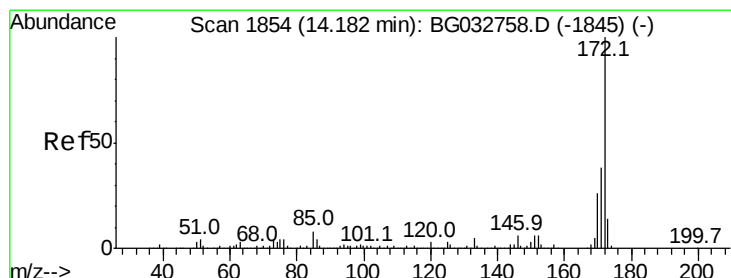
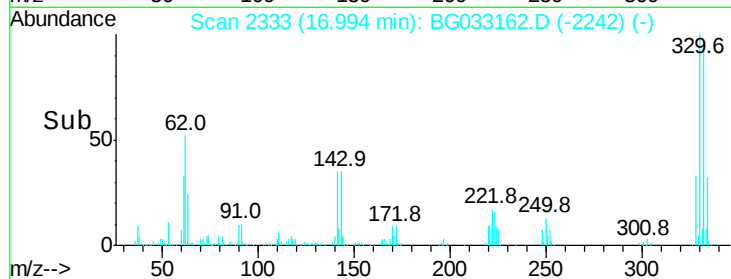
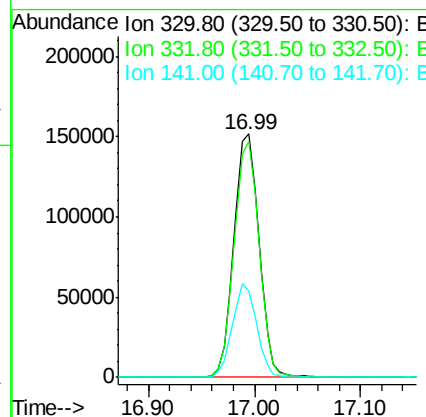
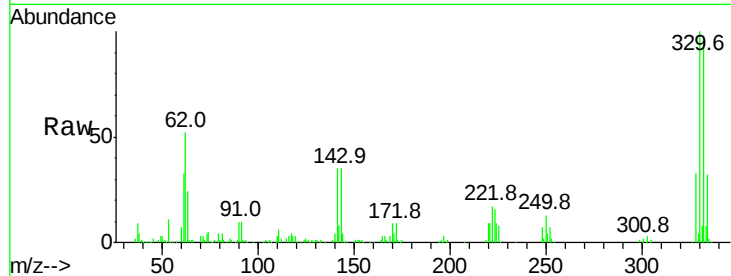




#41
 2,4,6-Tribromophenol
 Concen: 229.109 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: BG033162.D
 Acq: 15 Mar 2018 2:37

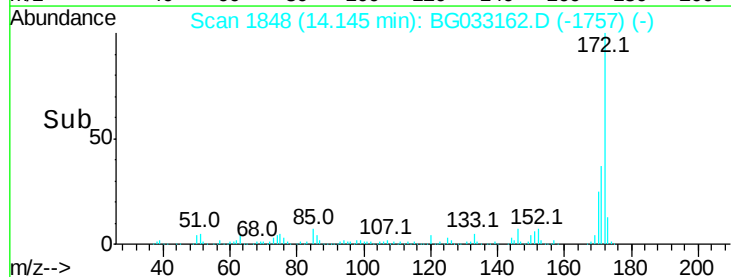
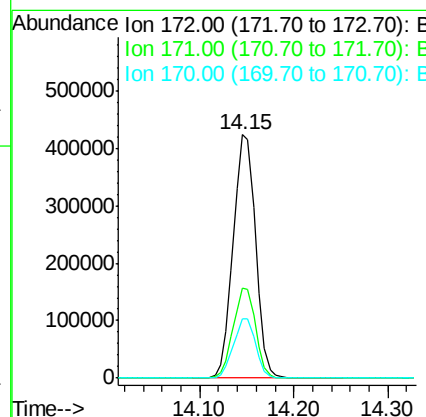
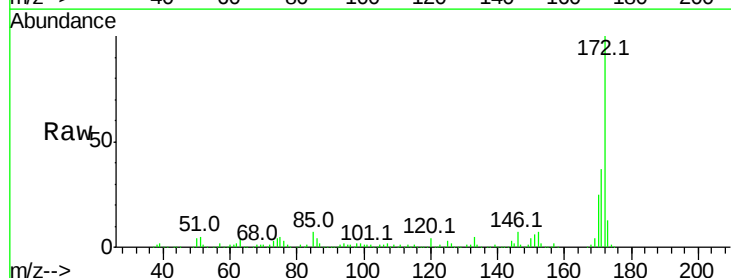
Instrument :
 BNA_F
 ClientSampleId :

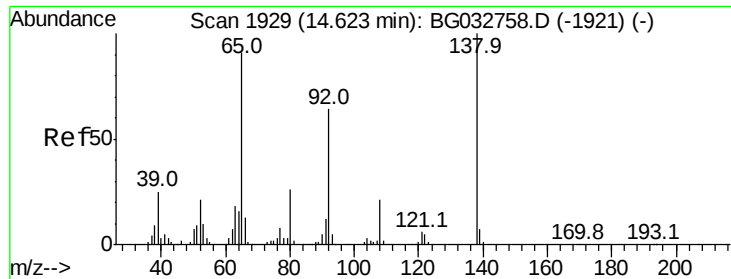
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	37.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 97.576 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033162.D
 Acq: 15 Mar 2018 2:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	24.6	19.5	29.3

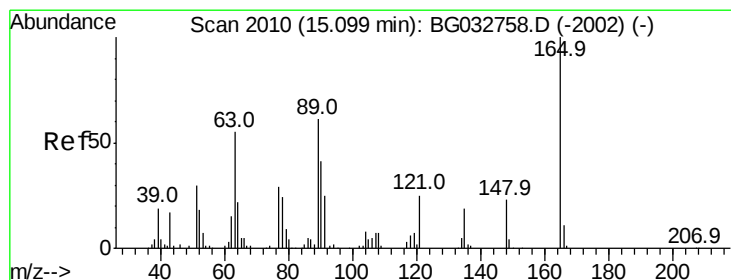
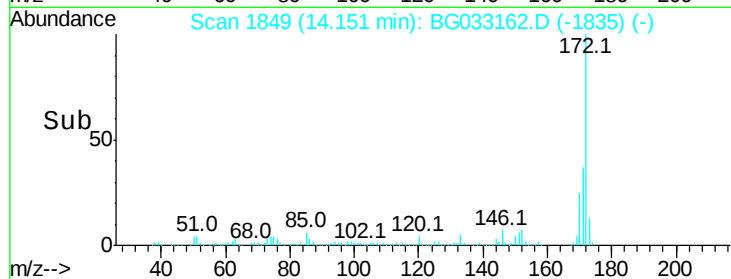
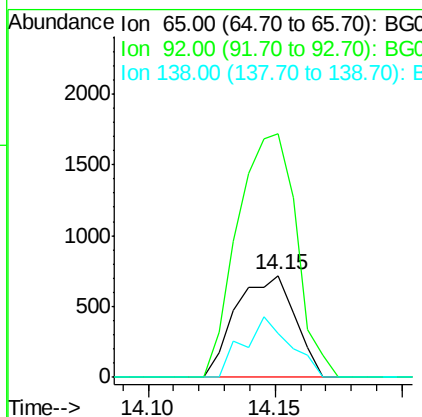
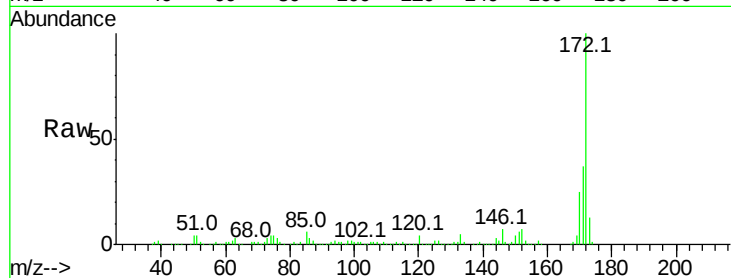




#47
2-Nitroaniline
Concen: 10.378 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

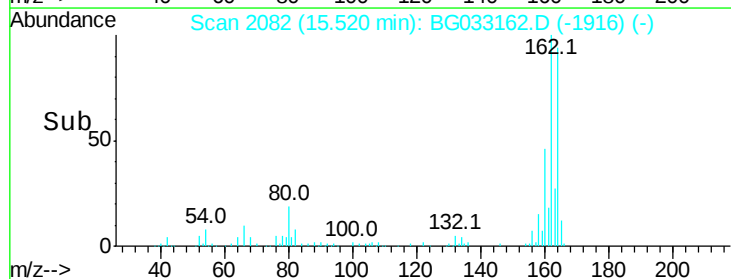
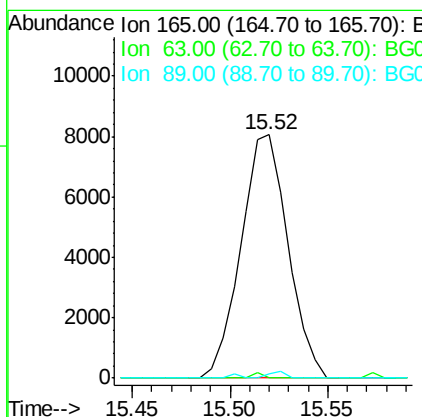
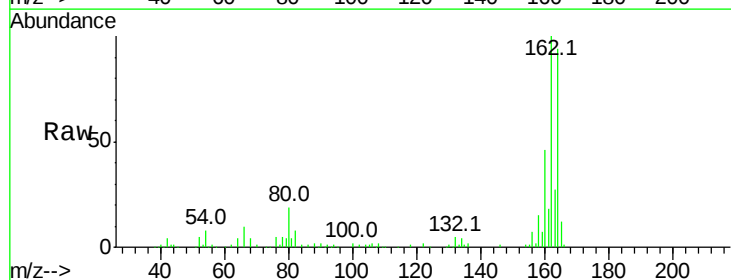
Instrument :
BNA_F
ClientSampleId :

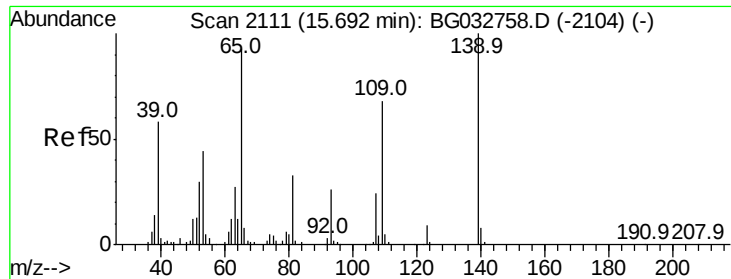
Tot Ion: 65 Resp: 1163
Ion Ratio Lower Upper
65 100
92 239.3 54.6 82.0#
138 42.8 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.408 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.44 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Tgt Ion:165 Resp: 13414
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#

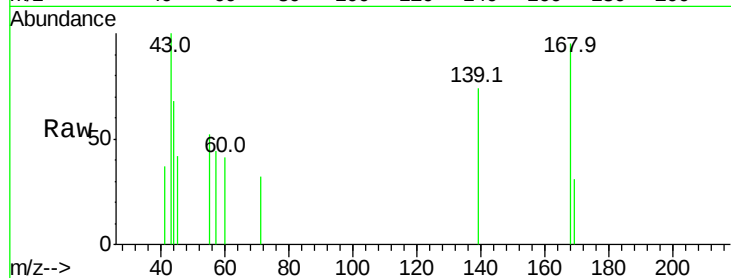




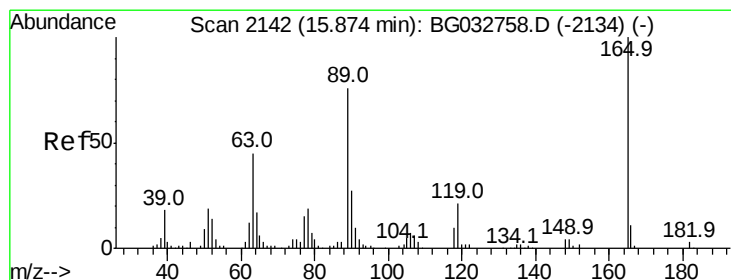
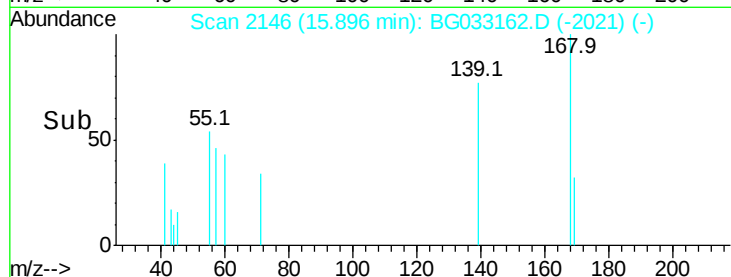
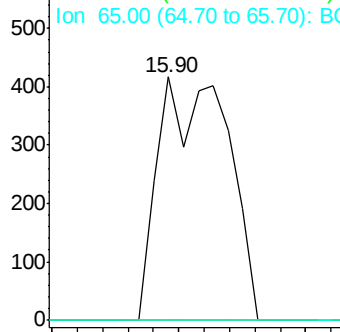
#55
4-Nitrophenol
Concen: 7.586 ng
RT: 15.90 min Scan# 2146
Delta R.T. 0.20 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 798
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

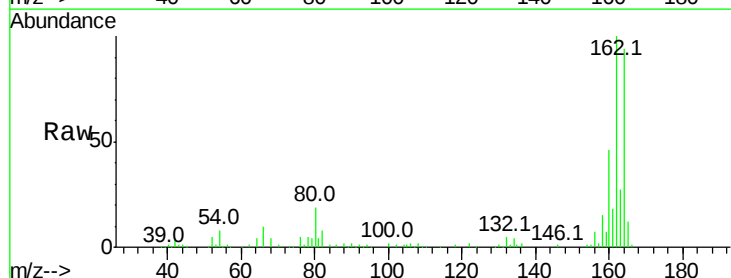


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

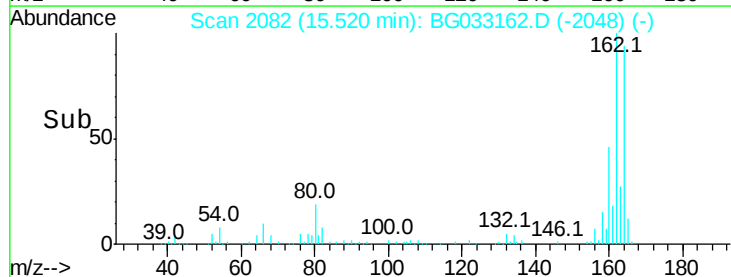
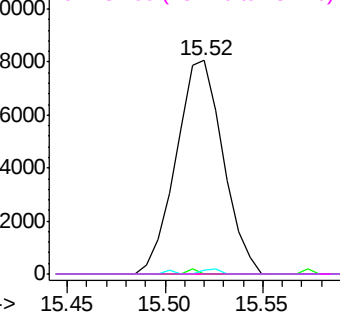


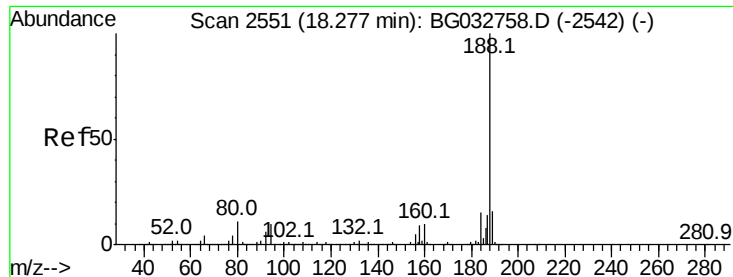
#56
2,4-Dinitrotoluene
Concen: 14.606 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.33 min
Lab File: BG033162.D
Acq: 15 Mar 2018 2:37

Tgt Ion:165 Resp: 13414
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
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2546

Delta R.T. -0.00 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

Instrument :

BNA_F

ClientSampleId :

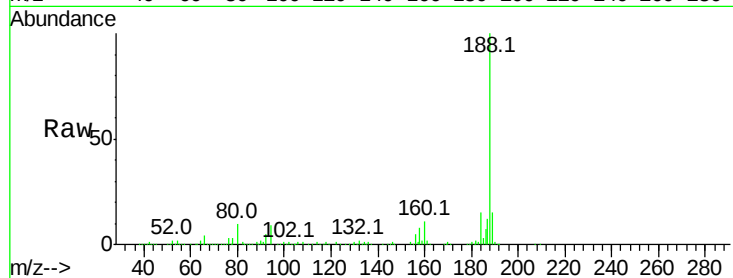
Tot Ion:188 Resp: 263505

Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

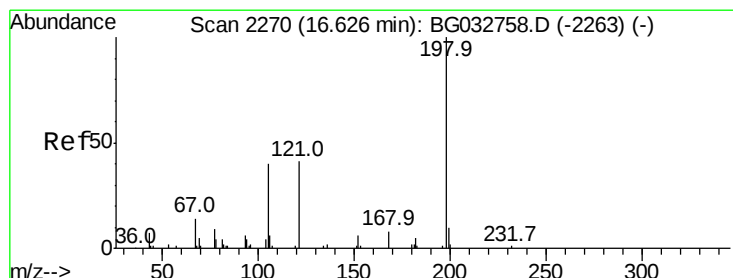
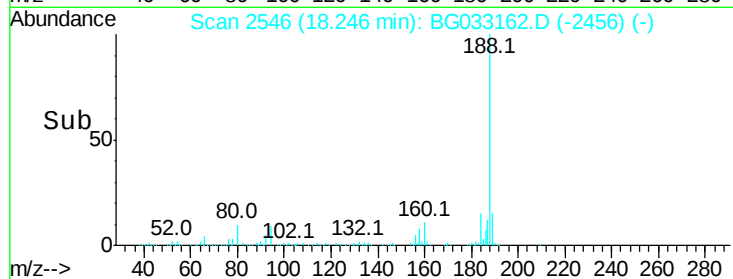
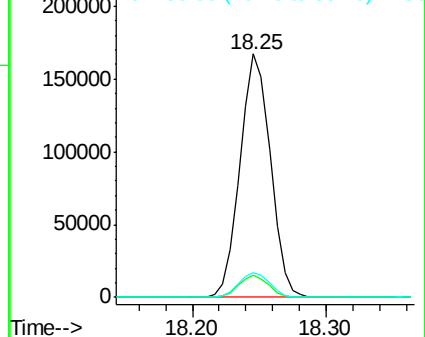
80 10.0 7.7 11.5



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: 5.997 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

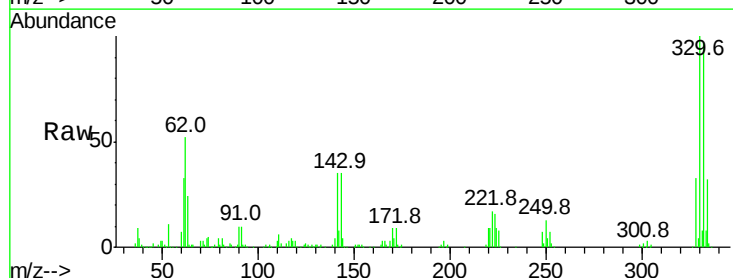
Tgt Ion:198 Resp: 651

Ion Ratio Lower Upper

198 100

51 181.0 30.6 70.6#

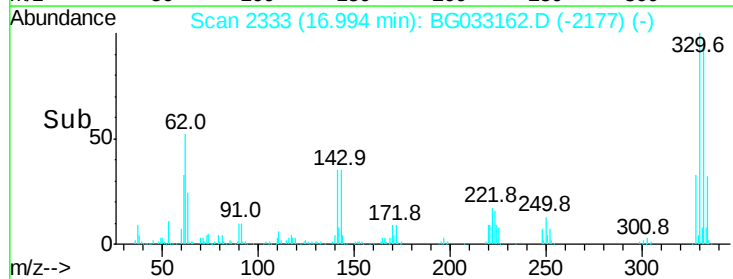
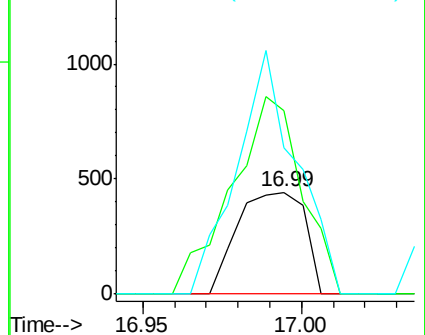
105 143.5 23.8 63.8#

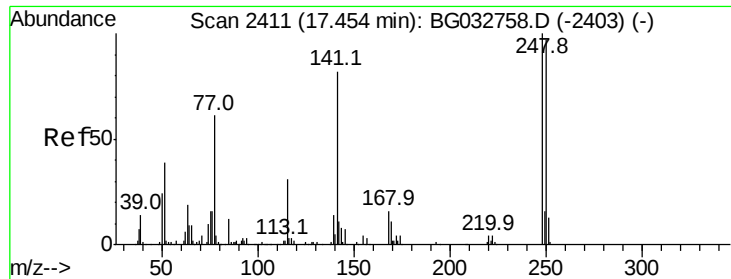


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

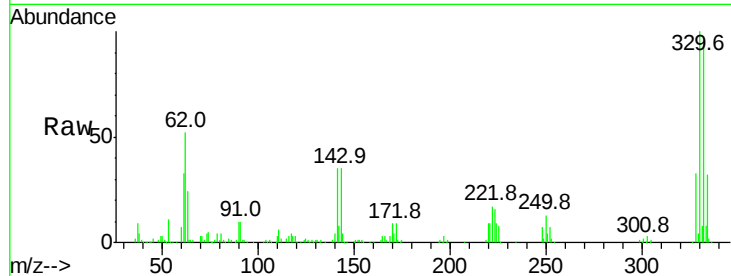




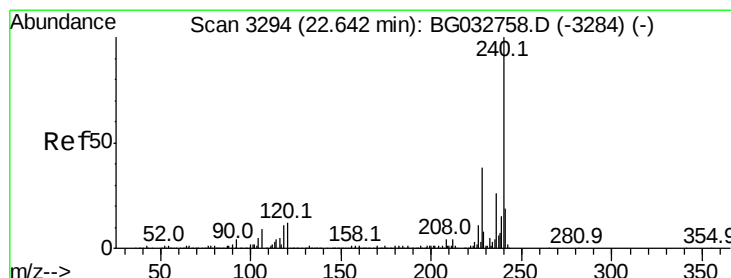
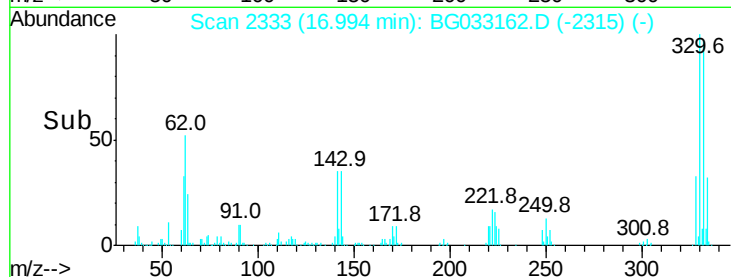
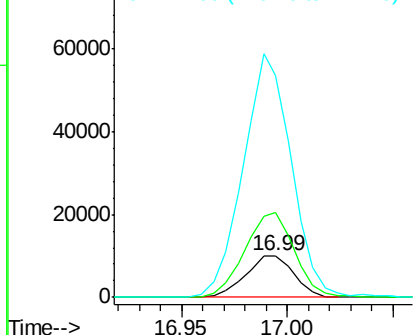
#66
 4-Bromophenyl-phenylether
 Concen: 5.769 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033162.D
 Acq: 15 Mar 2018 2:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16073
 Ion Ratio Lower Upper
 248 100
 250 201.6 77.1 115.7#
 141 529.7 50.8 76.2#

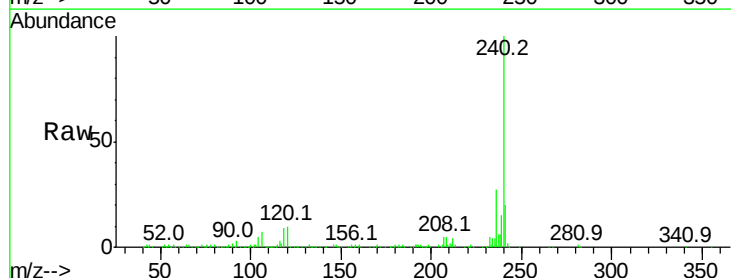


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

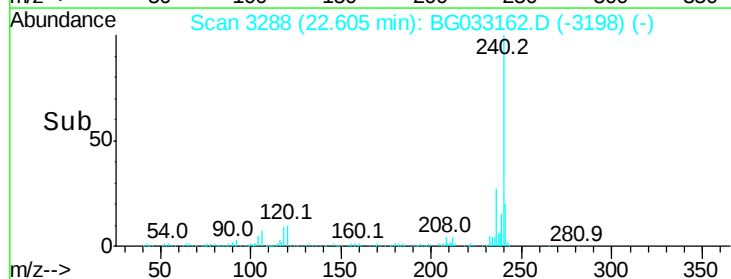
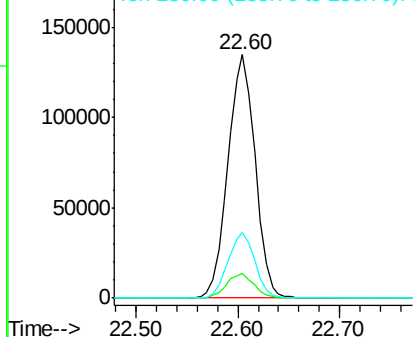


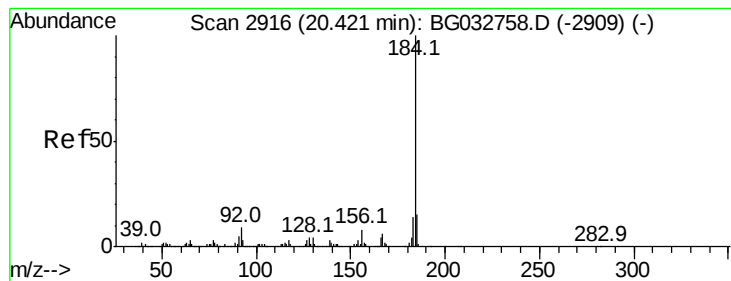
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033162.D
 Acq: 15 Mar 2018 2:37

Tgt Ion:240 Resp: 250572
 Ion Ratio Lower Upper
 240 100
 120 10.3 6.8 10.2#
 236 26.8 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: 3.751 ng

RT: 20.40 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

Instrument :

BNA_F

ClientSampled :

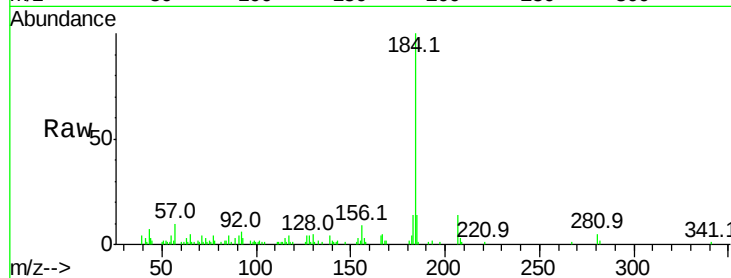
Tot Ion:184 Resp: 32040

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

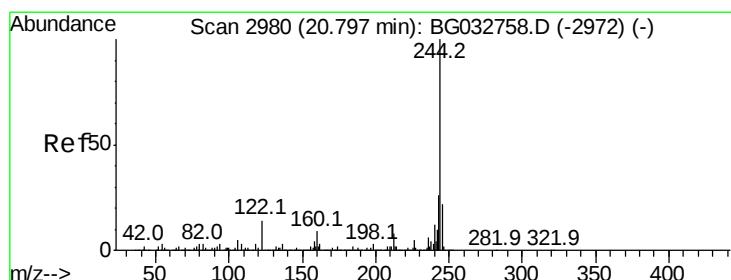
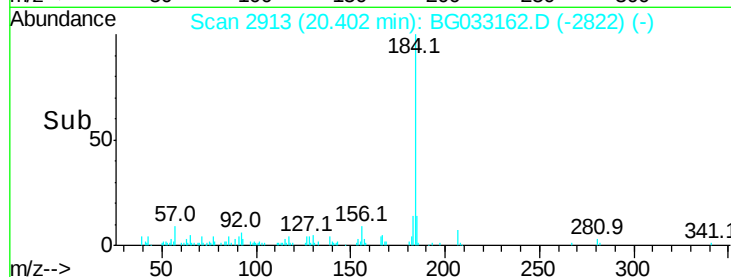
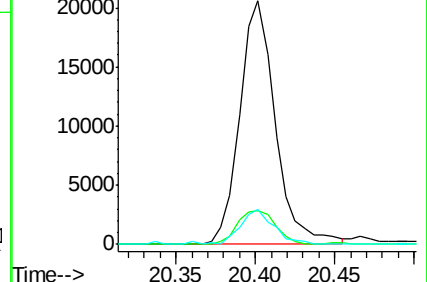
183 14.4 10.6 16.0



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: 116.628 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033162.D

Acq: 15 Mar 2018 2:37

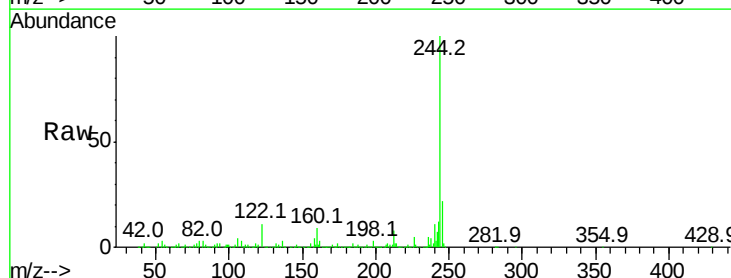
Tgt Ion:244 Resp: 1300724

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

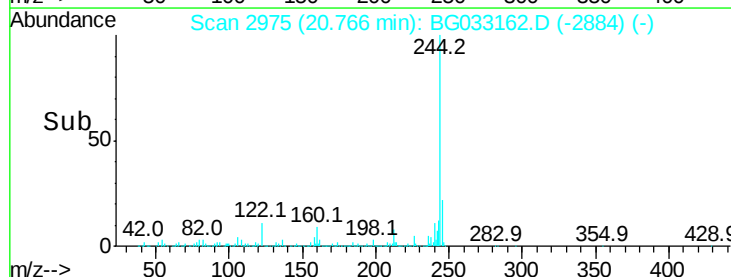
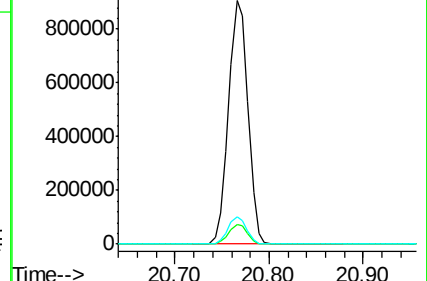
122 11.4 7.0 10.4#

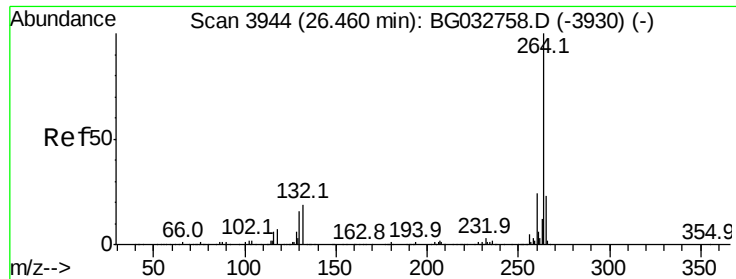


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

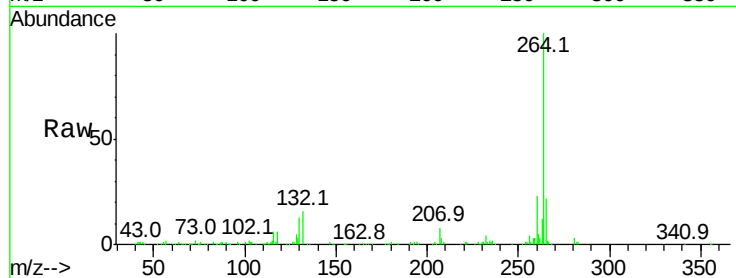




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BG033162.D
 Acq: 15 Mar 2018 2:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	22.1	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

