

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033189.D
 Acq On : 15 Mar 2018 22:55
 Operator : SJ/JU
 Sample : J1926-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:56:15 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	8.89	152	27155	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	118318	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	71175	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	191387	20.00	ng	0.00
75) Chrysene-d12	22.60	240	209121	20.00	ng	-0.01
86) Perylene-d12	26.40	264	226791	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	256155	150.92	ng	0.00
7) Phenol-d6	8.00	99	315124	133.20	ng	-0.01
23) Nitrobenzene-d5	10.10	82	225987	127.00	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	192960	257.84	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	518959	105.16	ng	0.00
78) Terphenyl-d14	20.76	244	1017194	109.28	ng	0.00

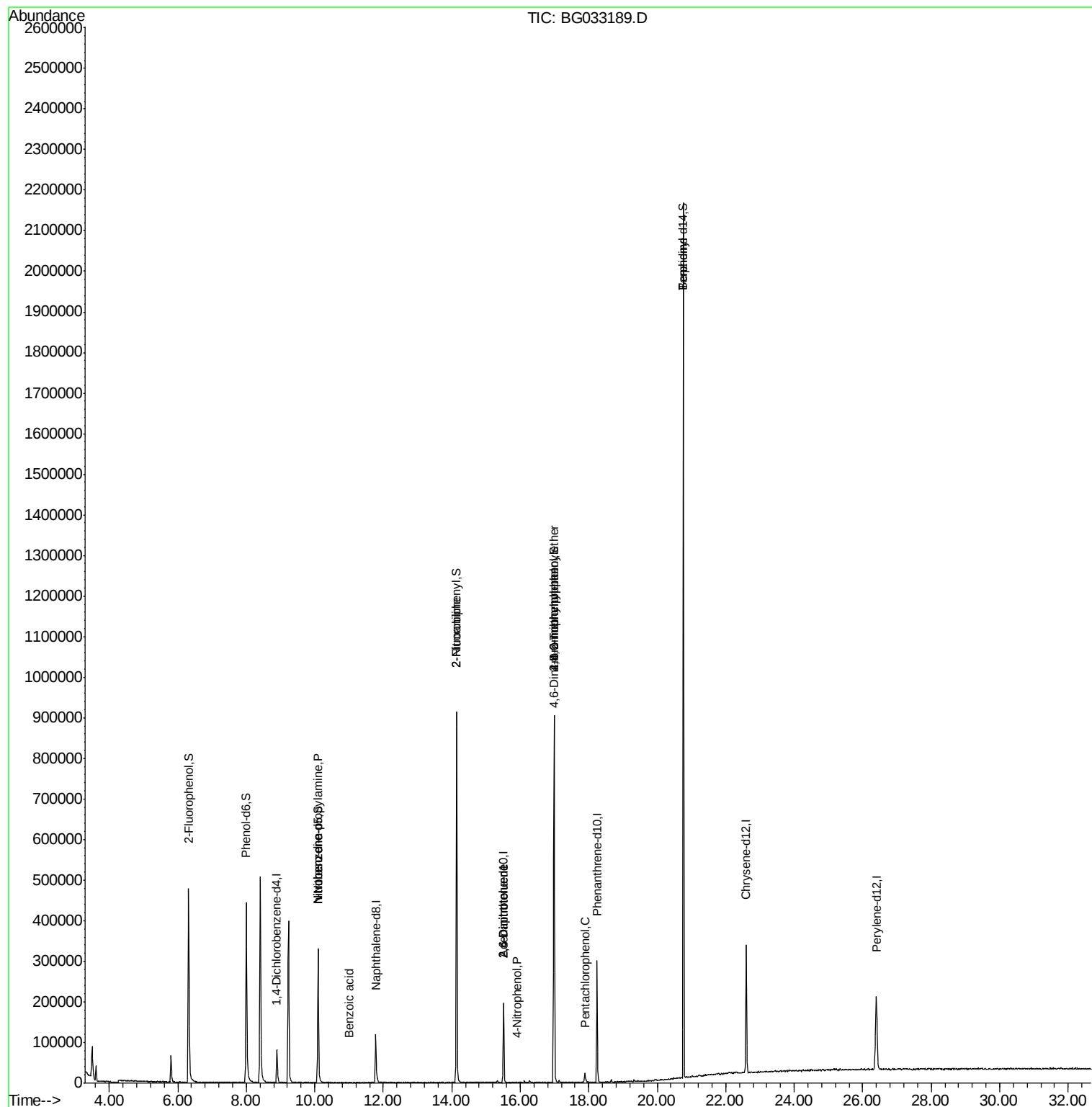
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.10	70	30551	18.291	ng	# 81
24) Nitrobenzene	10.10	77	648	6.678	ng	# 42
32) Benzoic acid	11.01	122	69	5.890	ng	# 57
47) 2-Nitroaniline	14.14	65	901	10.447	ng	# 22
50) 2,6-Dinitrotoluene	15.51	165	9362	16.522	ng	# 18
55) 4-Nitrophenol	15.91	139	56	7.132	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	9362	14.721	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	498	6.052	ng	# 22
66) 4-Bromophenyl-phenylether	16.99	248	13328	6.586	ng	# 1
69) Pentachlorophenol	17.89	266	6267	4.549	ng	93
76) Benzidine	20.76	184	16852	2.364	ng	# 91

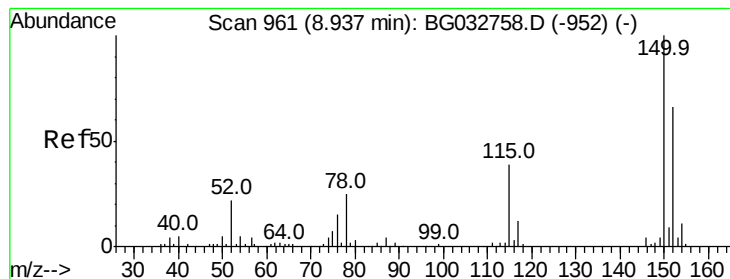
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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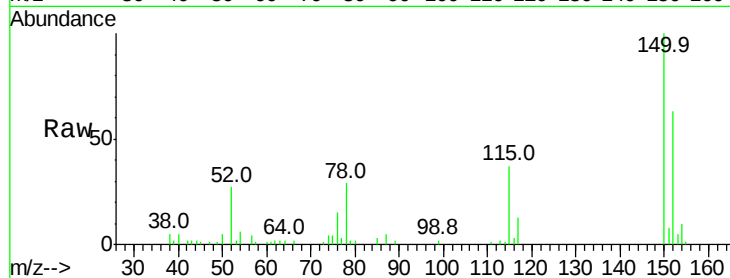


#1

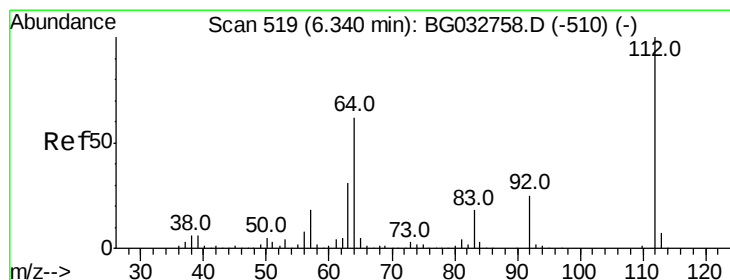
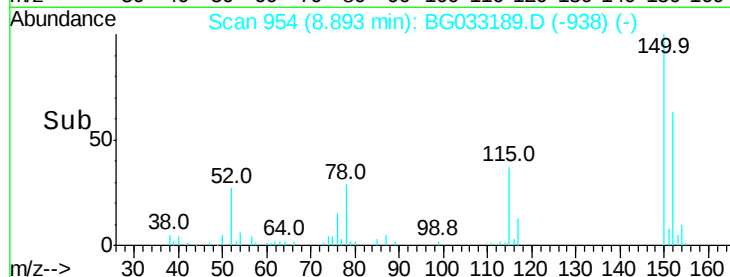
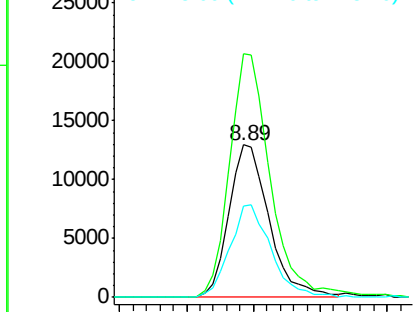
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27155
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 59.8 53.0 79.4



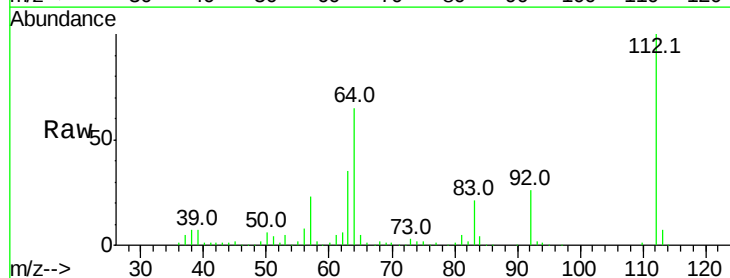
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



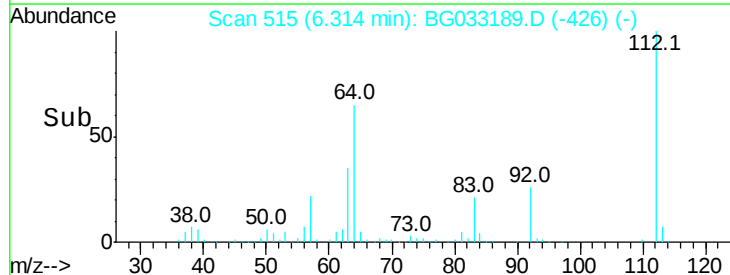
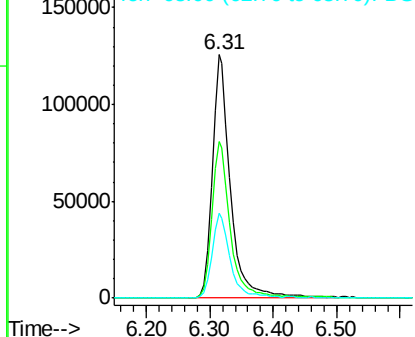
#5

2-Fluorophenol
Concen: 150.915 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion:112 Resp: 256155
Ion Ratio Lower Upper
112 100
64 64.5 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: 133.196 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

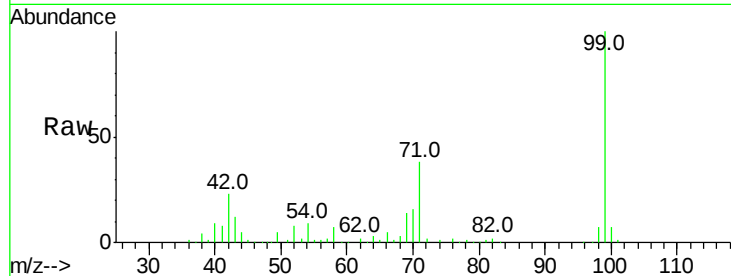
Tot Ion: 99 Resp: 315124

Ion Ratio Lower Upper

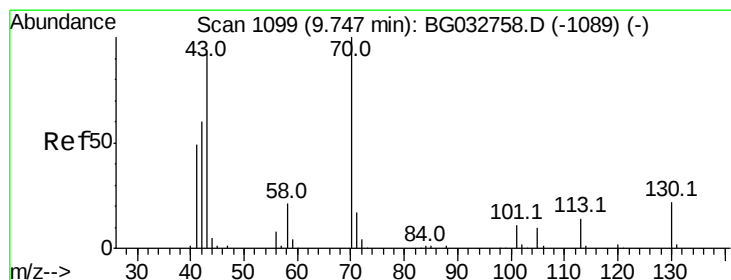
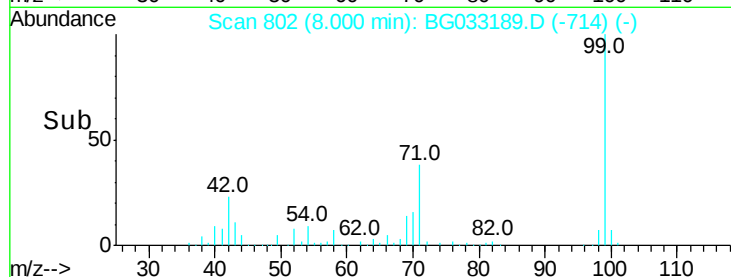
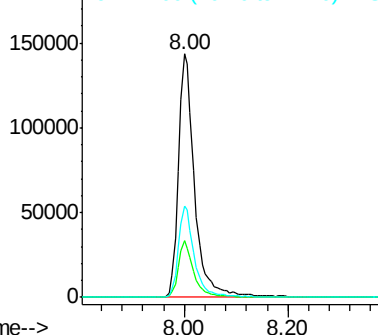
99 100

42 23.3 14.1 21.1#

71 37.5 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: 18.291 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Tgt Ion: 70 Resp: 30551

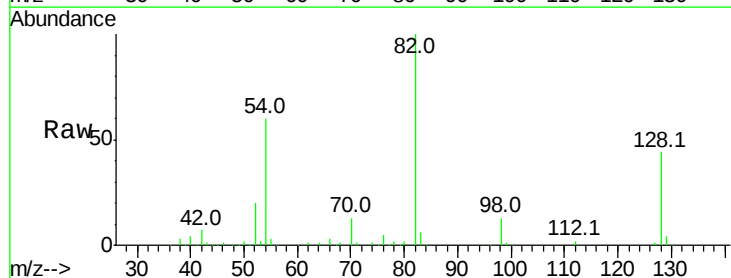
Ion Ratio Lower Upper

70 100

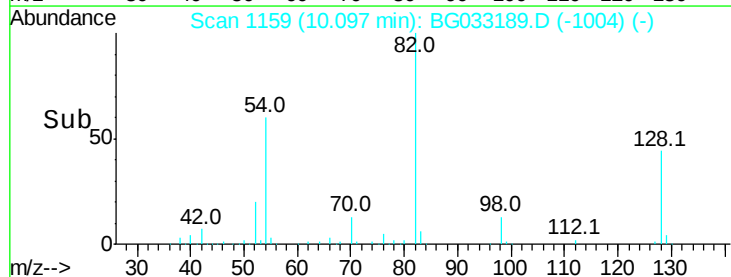
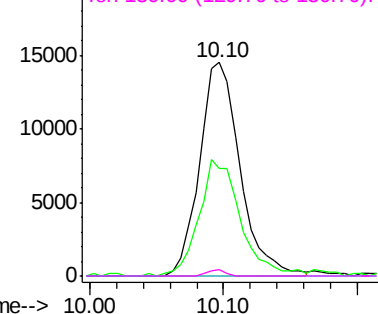
42 50.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.9 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

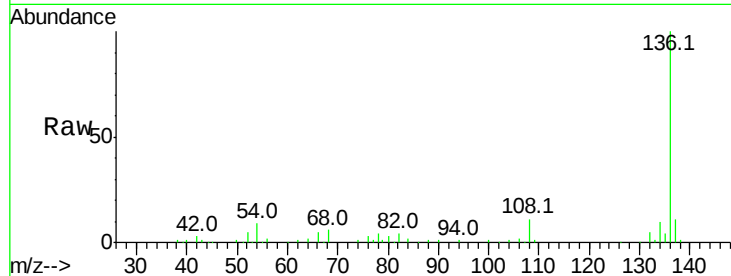




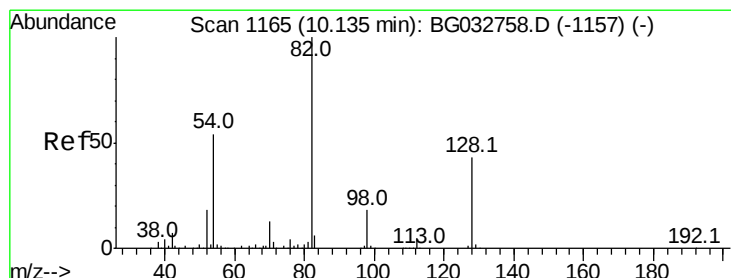
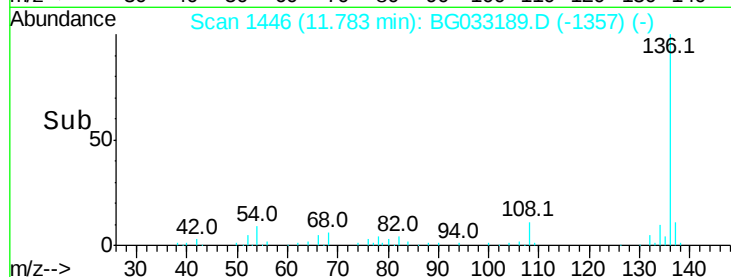
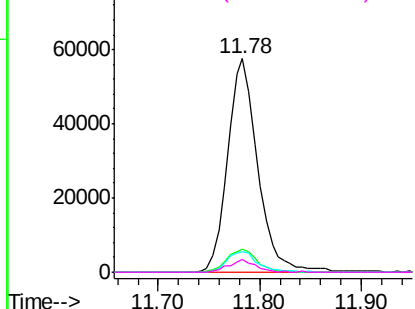
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	118318
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	9.4	10.3	15.5
68	6.2	4.5	6.7

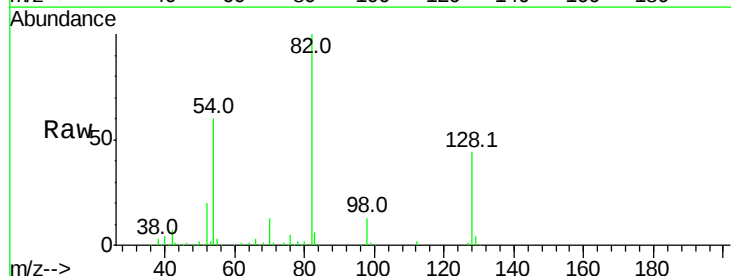


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

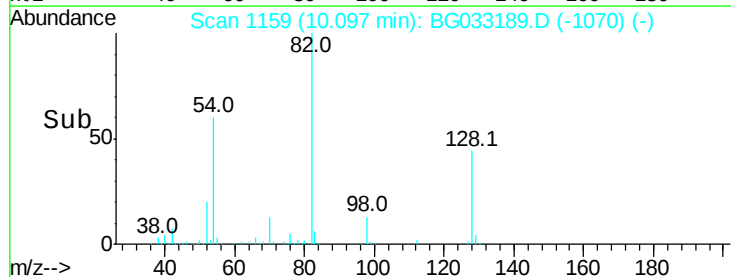
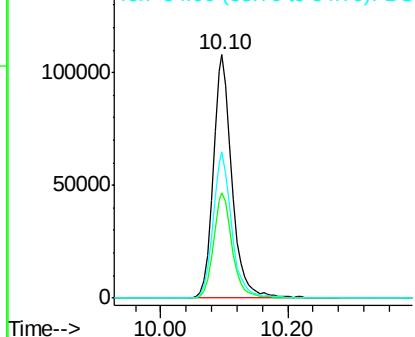


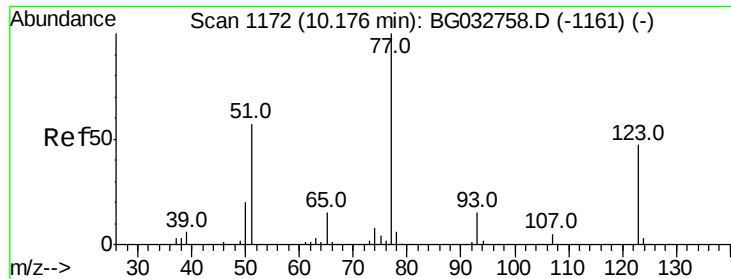
#23
Nitrobenzene-d5
Concen: 127.000 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion:	82	Resp:	225987
Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.7	44.5
54	59.9	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: 6.678 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

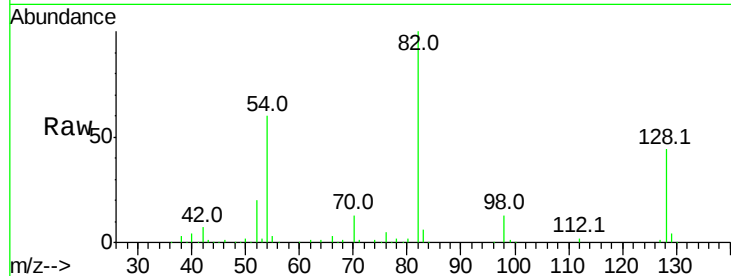
Tot Ion: 77 Resp: 648

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

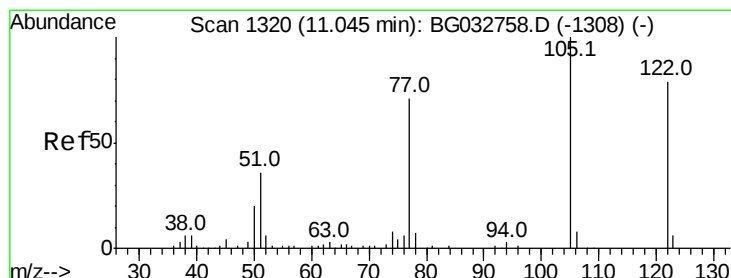
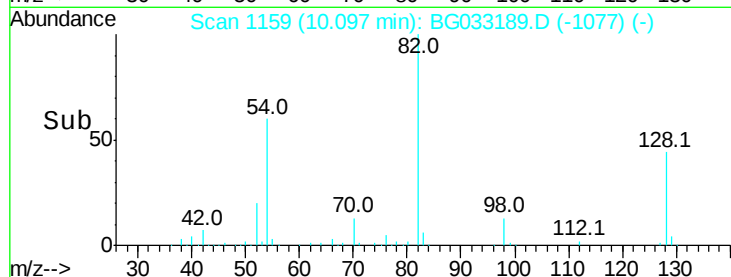
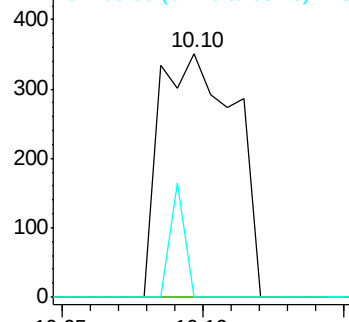
65 0.0 13.0 19.6#



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: 5.890 ng

RT: 11.01 min Scan# 1314

Delta R.T. 0.04 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

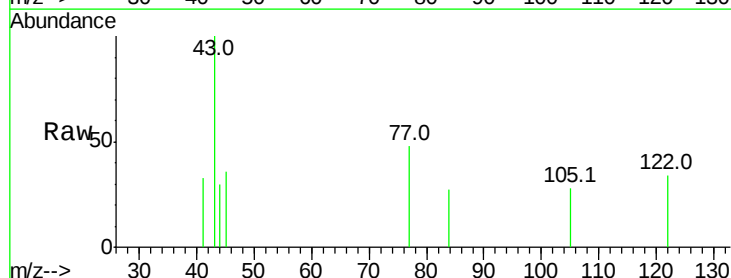
Tgt Ion: 122 Resp: 69

Ion Ratio Lower Upper

122 100

105 81.2 123.5 163.5#

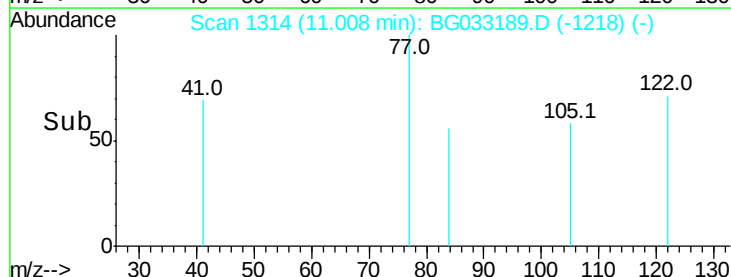
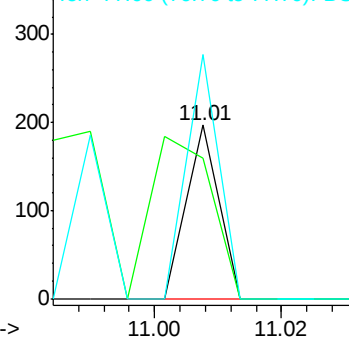
77 140.6 85.7 125.7#

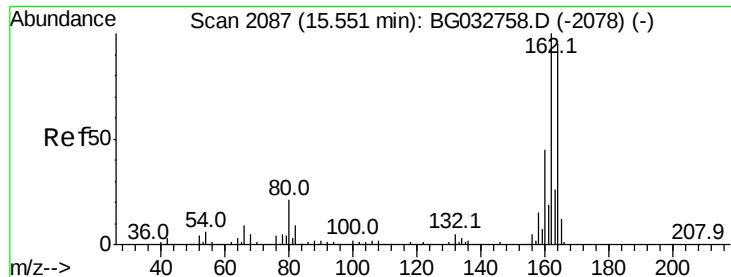


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

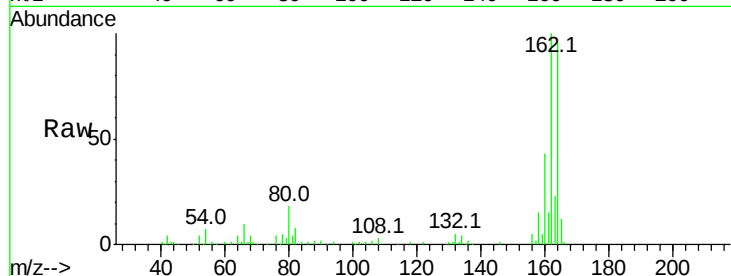
Tot Ion:164 Resp: 71175

Ion Ratio Lower Upper

164 100

162 103.9 78.8 118.2

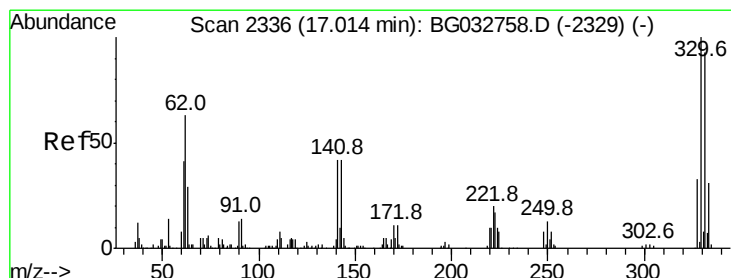
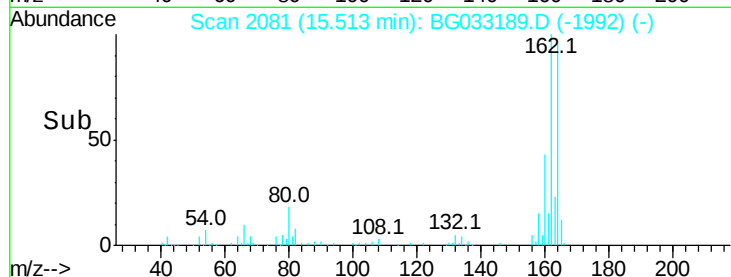
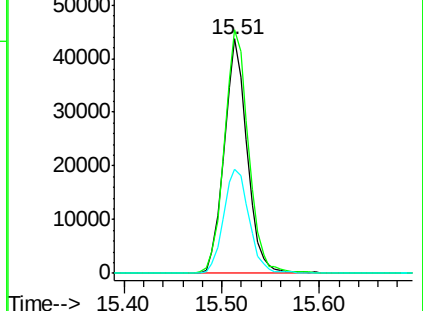
160 44.2 35.4 53.0



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: 257.837 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

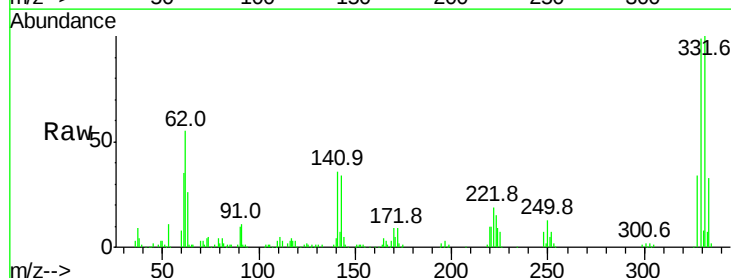
Tgt Ion:330 Resp: 192960

Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

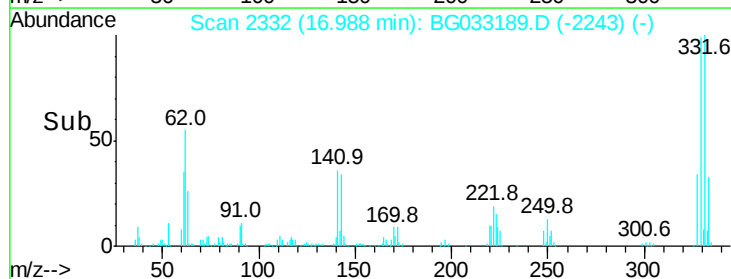
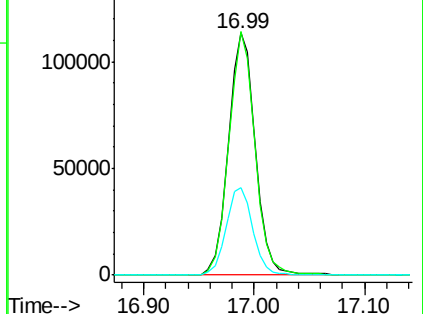
141 36.0 25.2 37.8

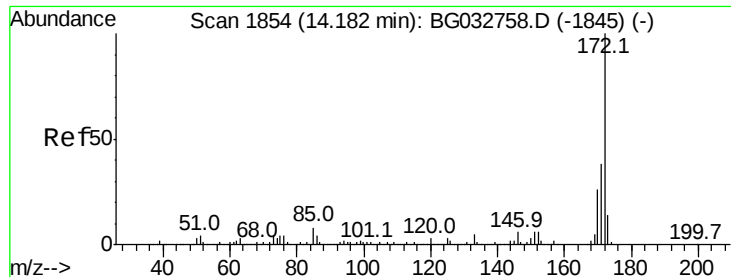


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

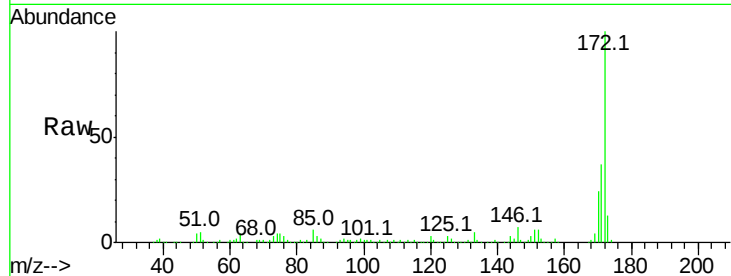




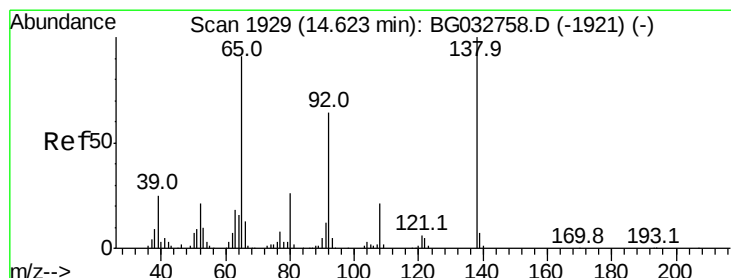
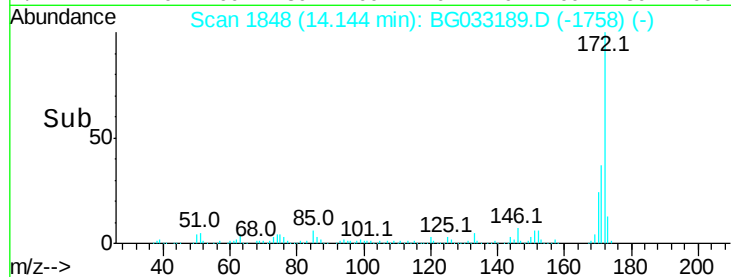
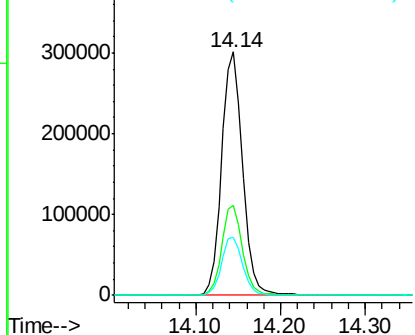
#44
2-Fluorobiphenyl
Concen: 105.159 ng
RT: 14.14 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 518959
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 23.7 19.5 29.3

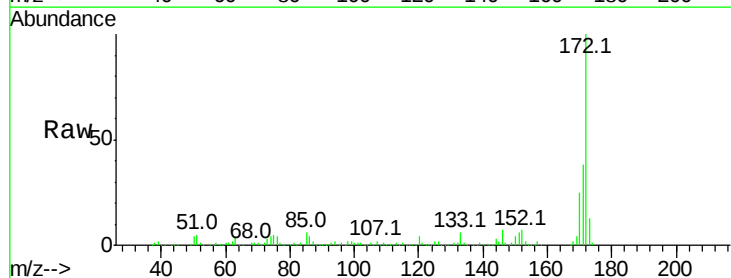


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

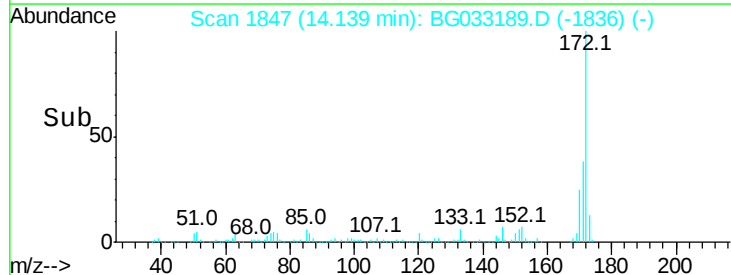
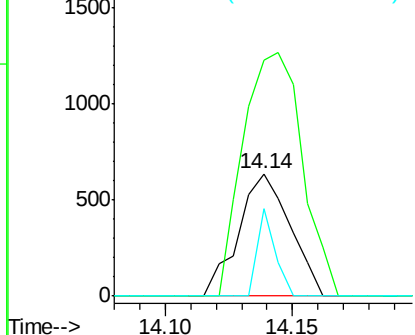


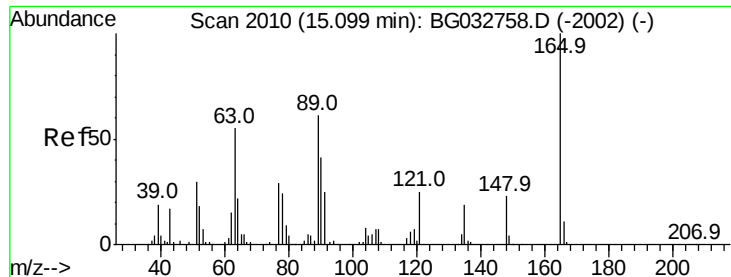
#47
2-Nitroaniline
Concen: 10.447 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion: 65 Resp: 901
Ion Ratio Lower Upper
65 100
92 193.1 54.6 82.0#
138 71.2 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

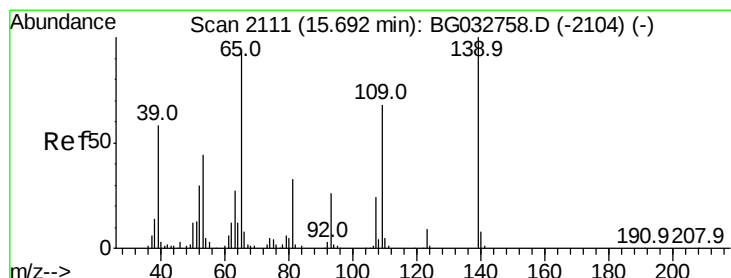
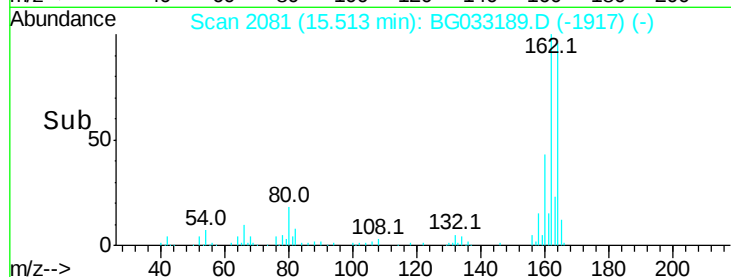
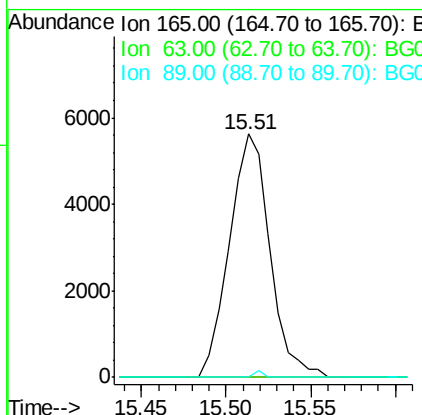
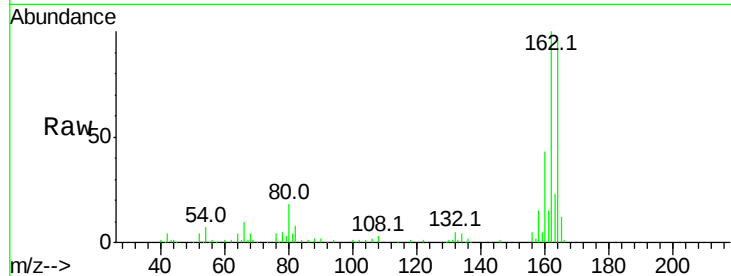




#50
2,6-Dinitrotoluene
Concen: 16.522 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

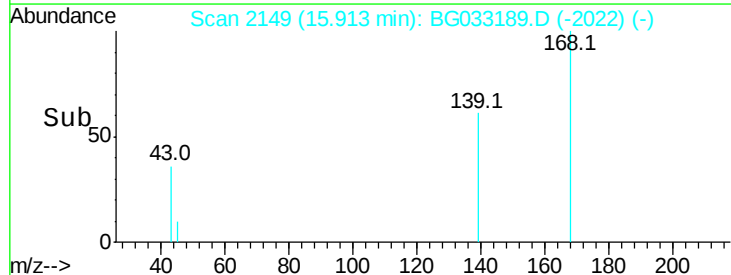
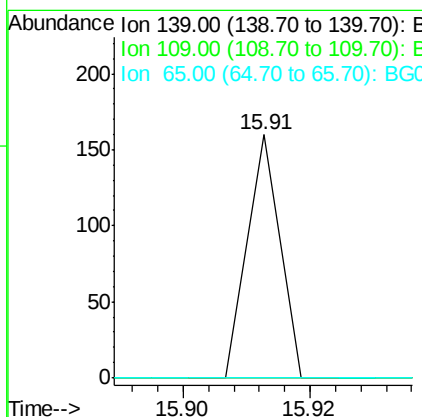
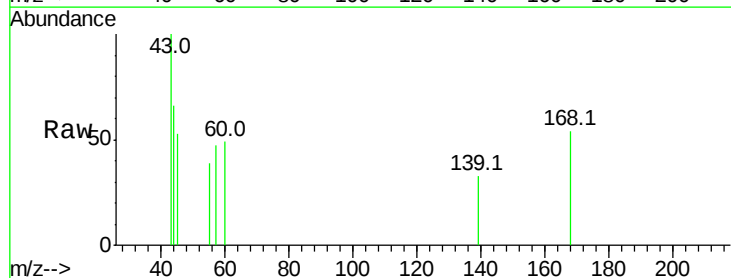
Instrument :
BNA_G
ClientSampleId :

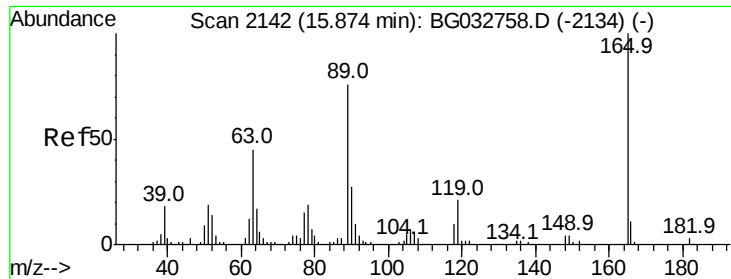
Tot Ion:165 Resp: 9362
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#55
4-Nitrophenol
Concen: 7.132 ng
RT: 15.91 min Scan# 2149
Delta R.T. 0.22 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

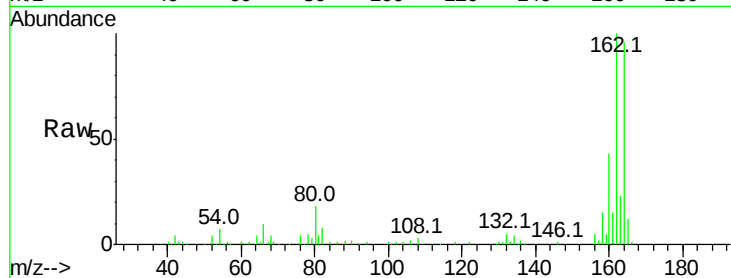




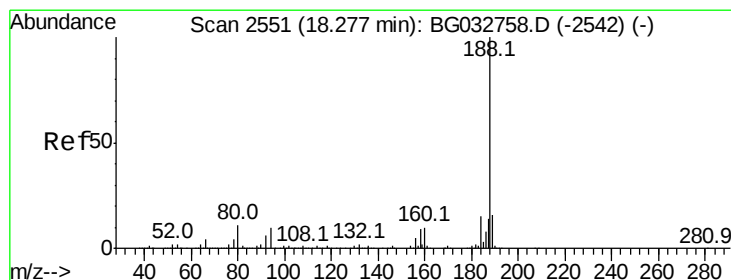
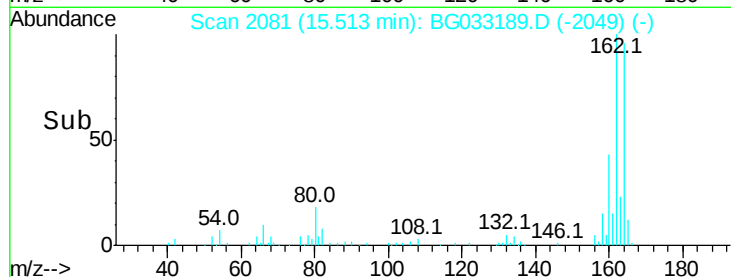
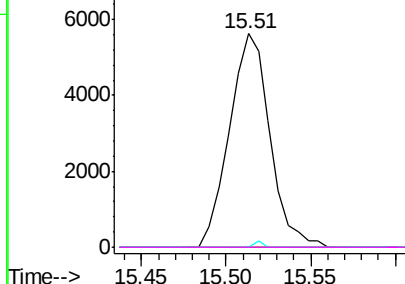
#56
2,4-Dinitrotoluene
Concen: 14.721 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 9362
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#

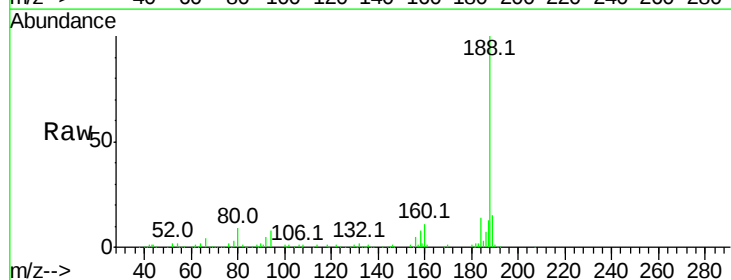


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

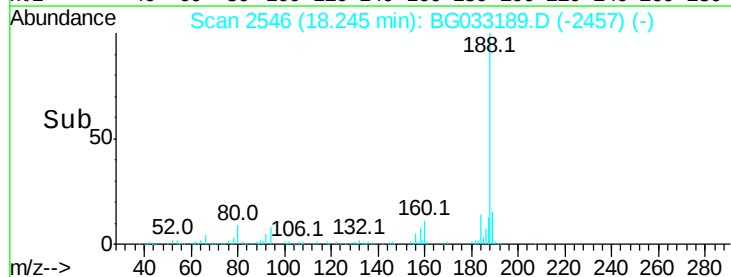
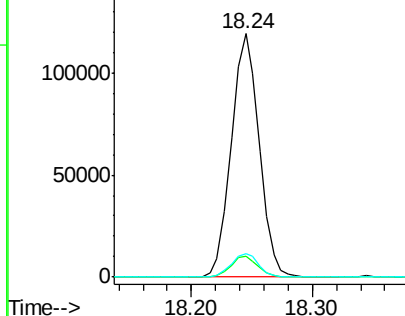


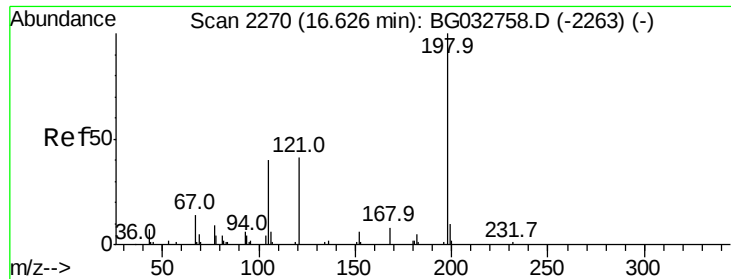
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Tgt Ion:188 Resp: 191387
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.4 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

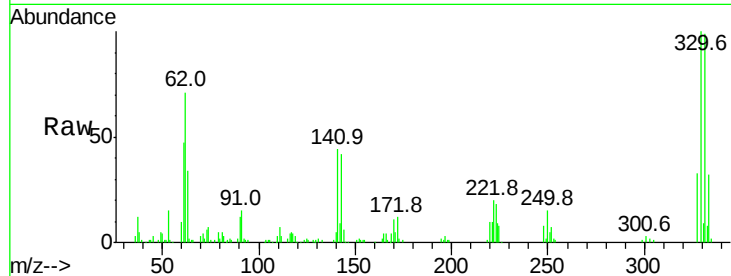




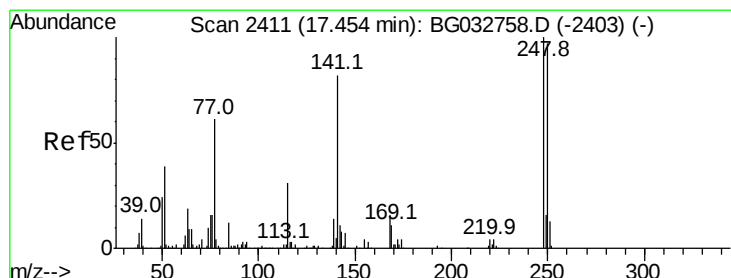
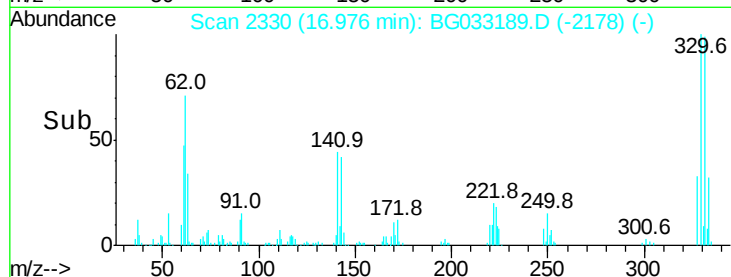
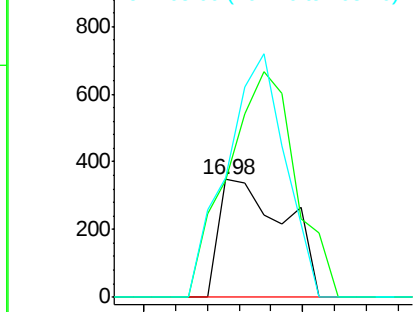
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.052 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. 0.37 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 498
 Ion Ratio Lower Upper
 198 100
 51 98.9 30.6 70.6#
 105 100.9 23.8 63.8#

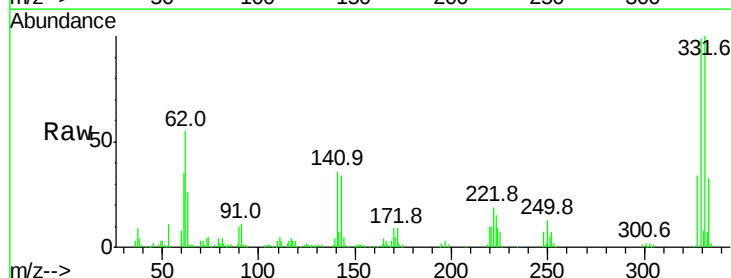


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

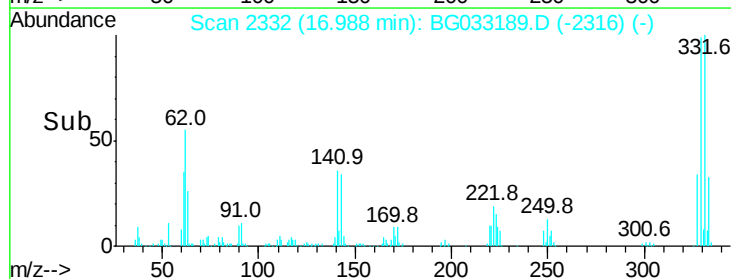
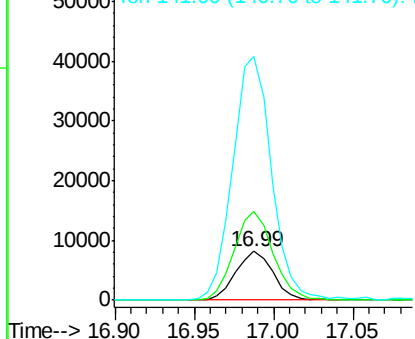


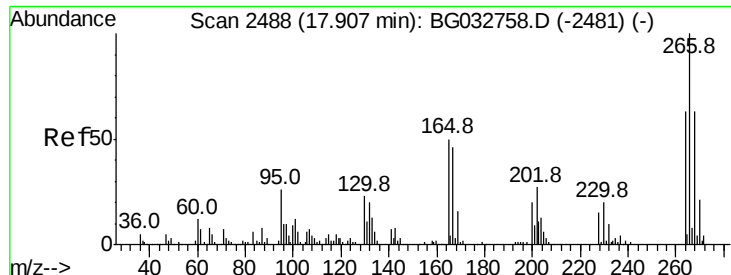
#66
 4-Bromophenyl-phenylether
 Concen: 6.586 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Tgt Ion:248 Resp: 13328
 Ion Ratio Lower Upper
 248 100
 250 183.1 77.1 115.7#
 141 499.3 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

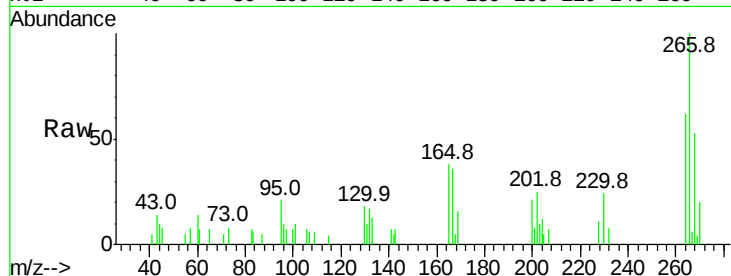




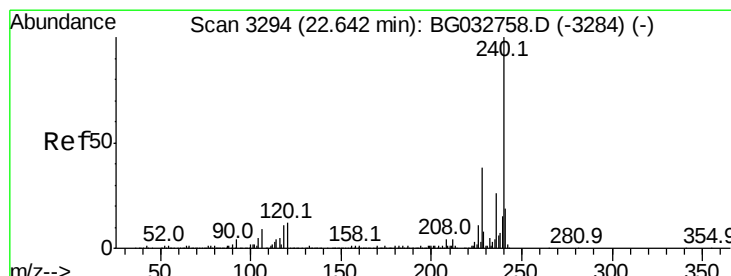
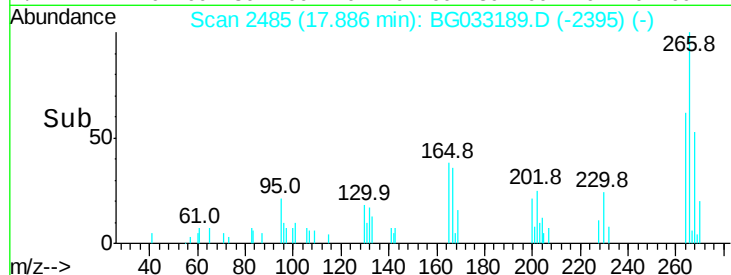
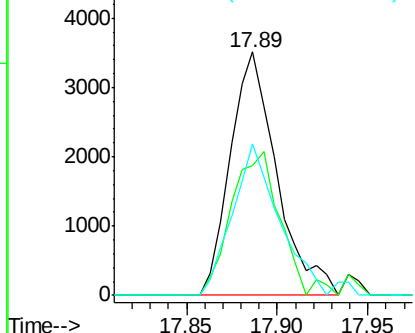
#69
 Pentachlorophenol
 Concen: 4.549 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:266 Resp: 6267
 Ion Ratio Lower Upper
 266 100
 268 53.0 51.1 76.7
 264 62.0 49.6 74.4

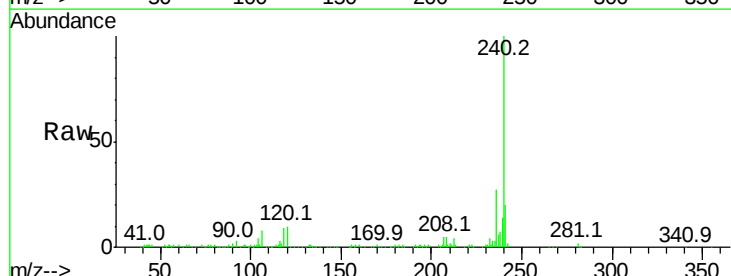


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

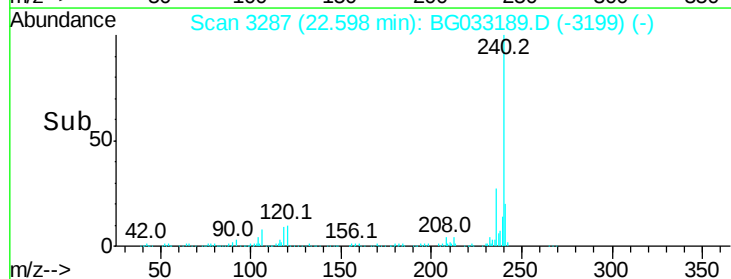
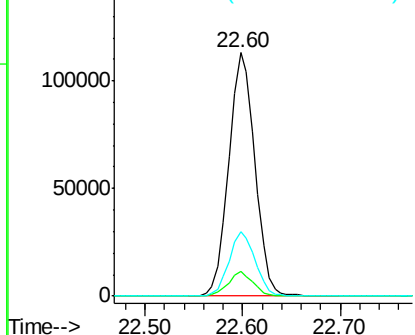


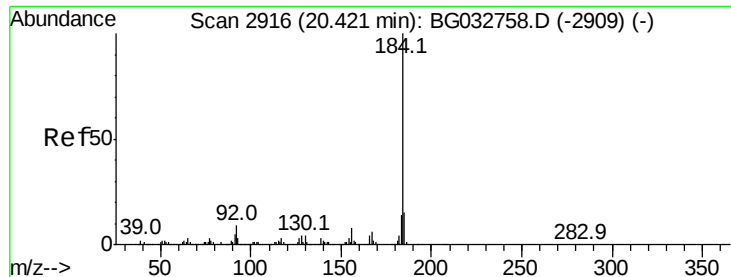
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033189.D
 Acq: 15 Mar 2018 22:55

Tgt Ion:240 Resp: 209121
 Ion Ratio Lower Upper
 240 100
 120 10.1 6.8 10.2
 236 26.5 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: 2.364 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

Instrument :

BNA_G

ClientSampleId :

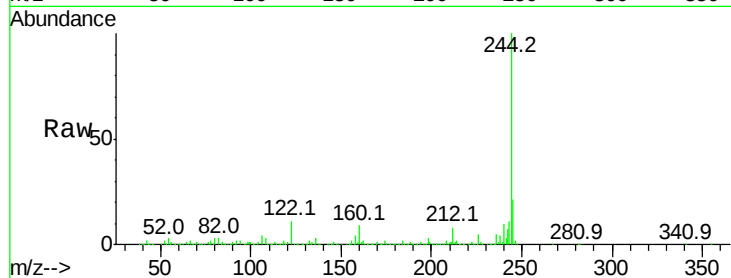
Tot Ion:184 Resp: 16852

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

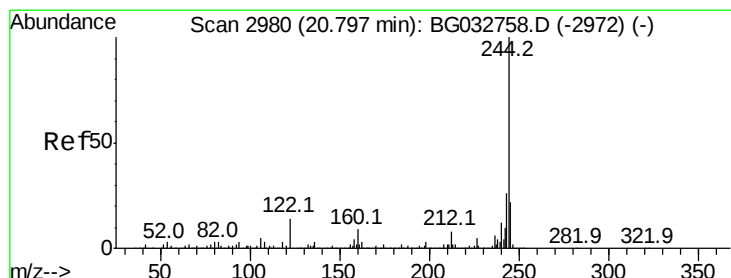
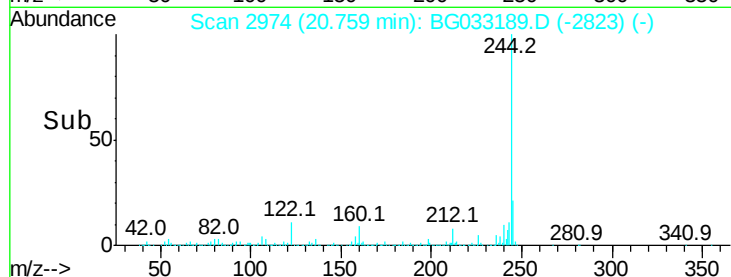
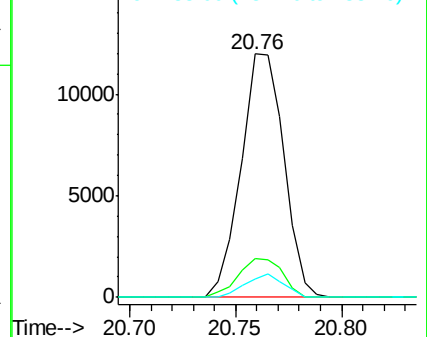
183 7.8 10.6 16.0#



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: 109.284 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033189.D

Acq: 15 Mar 2018 22:55

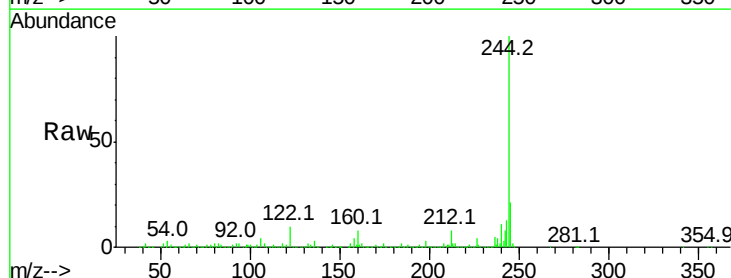
Tgt Ion:244 Resp: 1017194

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

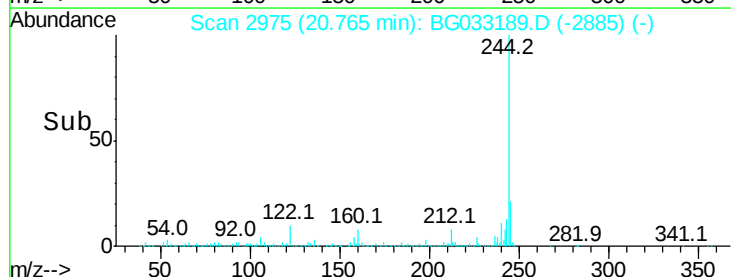
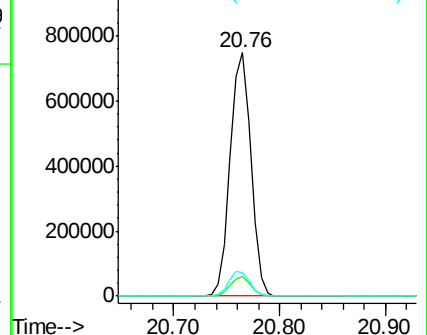
122 9.7 7.0 10.4

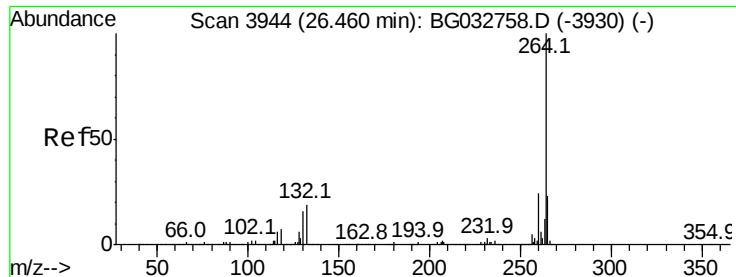


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3934
Delta R.T. -0.01 min
Lab File: BG033189.D
Acq: 15 Mar 2018 22:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.2	17.7	26.5

