

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033136.D
 Acq On : 14 Mar 2018 4:44
 Operator : SJ/JU
 Sample : J1885-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 11:48:53 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

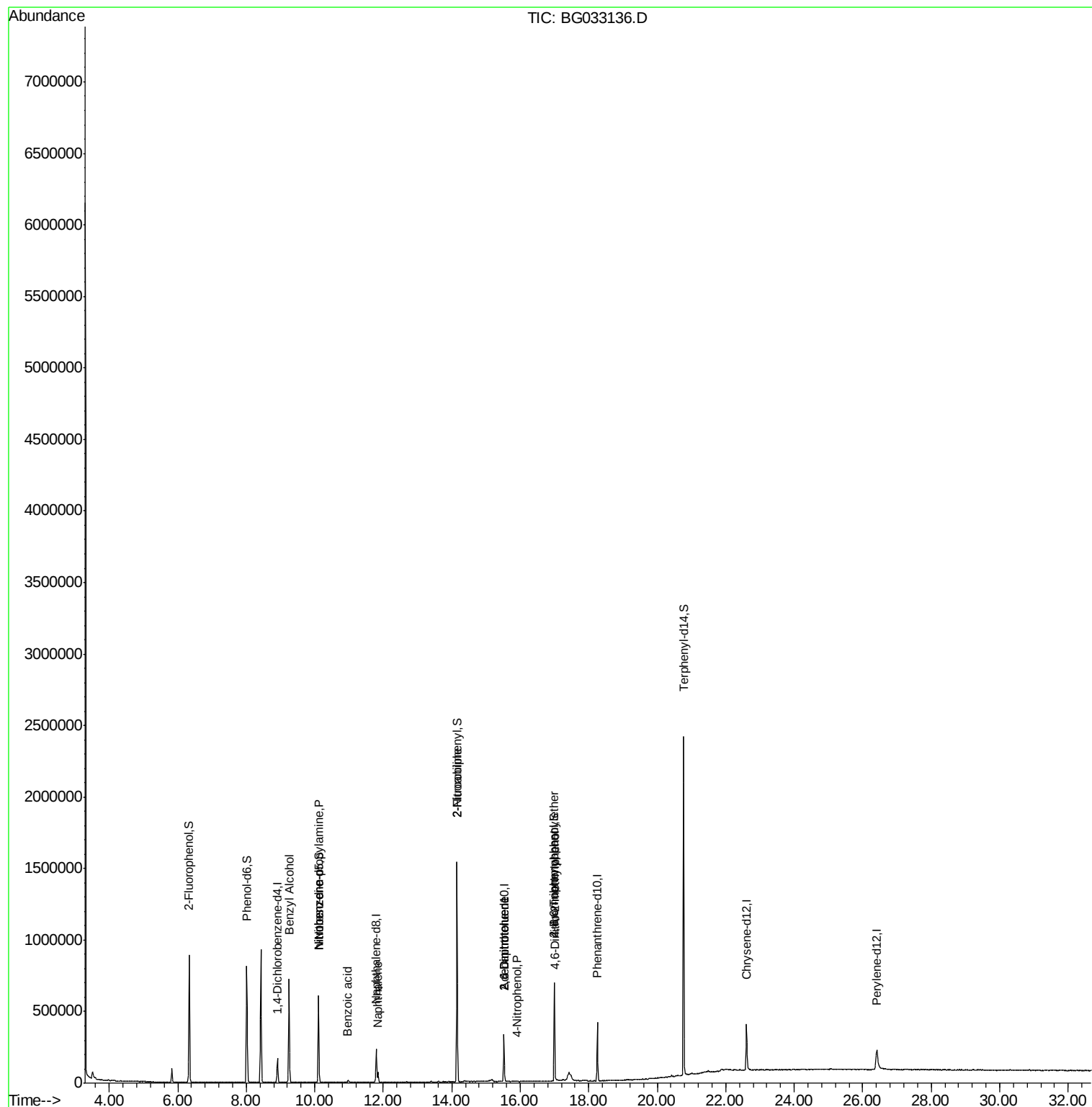
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	48835	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	211566	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	113817	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	245935	20.00	ng	0.00
75) Chrysene-d12	22.61	240	230753	20.00	ng	0.00
86) Perylene-d12	26.41	264	210524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	396264	129.82	ng	0.01
7) Phenol-d6	8.02	99	487934	114.68	ng	0.01
23) Nitrobenzene-d5	10.11	82	385751	121.69	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	134383	112.29	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	792436	100.41	ng	0.00
78) Terphenyl-d14	20.77	244	1127621	109.79	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.25	79	6384	2.041	ng	# 44
19) n-Nitroso-di-n-propylamine	10.11	70	52798	17.578	ng	# 85
24) Nitrobenzene	10.11	77	1200	6.689	ng	# 42
31) Naphthalene	11.85	128	60199	5.445	ng	# 99
32) Benzoic acid	10.96	122	6278	9.518	ng	# 90
47) 2-Nitroaniline	14.15	65	1615	10.521	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	14193	16.126	ng	# 22
55) 4-Nitrophenol	15.91	139	365	7.291	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	14193	14.322	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.01	198	337	5.531	ng	# 54
66) 4-Bromophenyl-phenylether	17.00	248	8927	3.433	ng	# 1

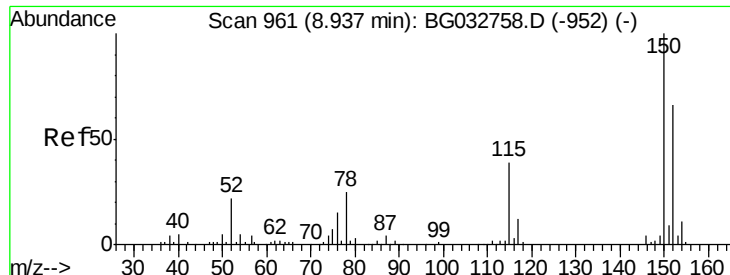
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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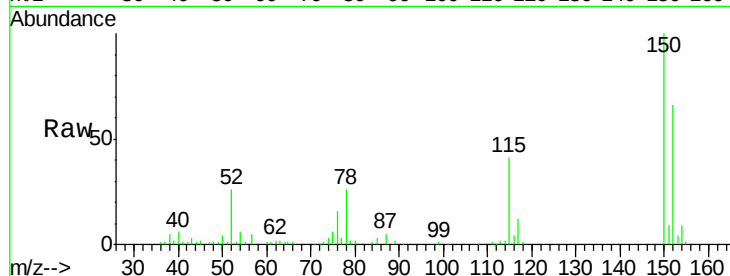


#1

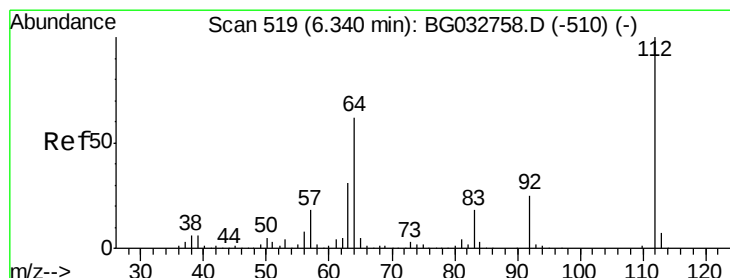
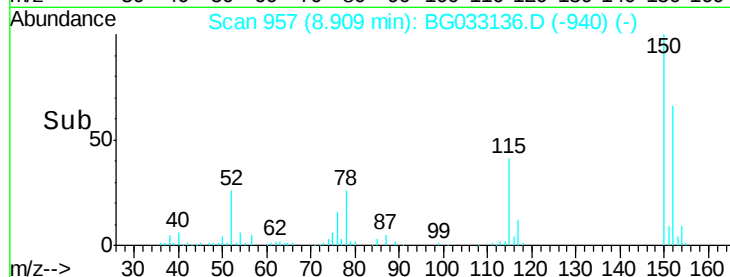
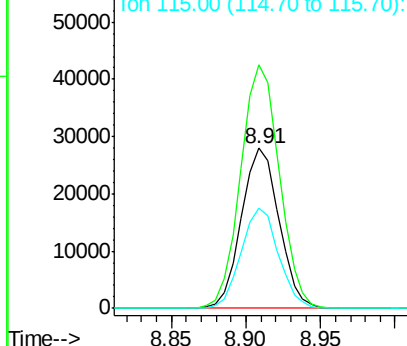
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 48835
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 62.4 53.0 79.4



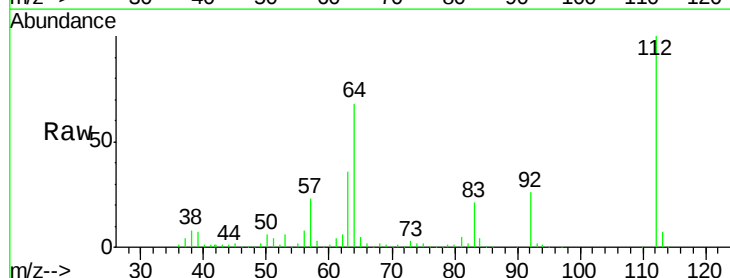
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



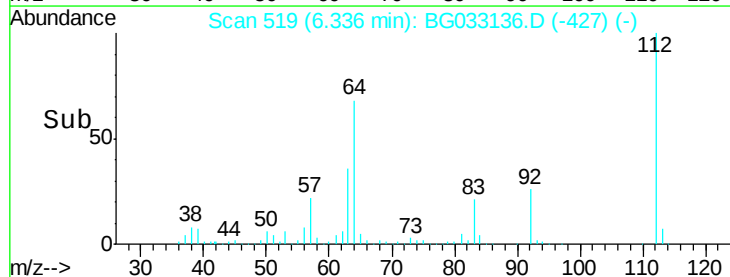
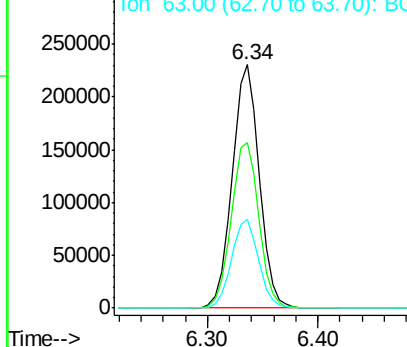
#5

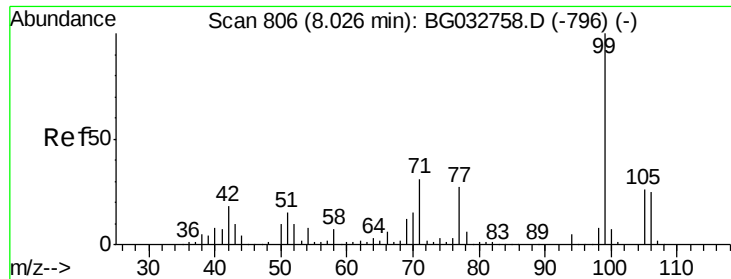
2-Fluorophenol
Concen: 129.818 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Tgt Ion:112 Resp: 396264
Ion Ratio Lower Upper
112 100
64 68.2 56.3 84.5
63 36.3 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: 114.681 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampleId :

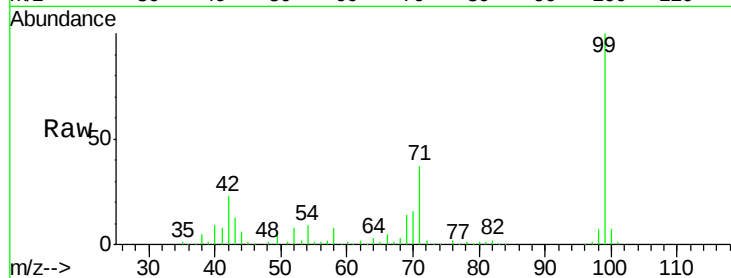
Tot Ion: 99 Resp: 487934

Ion Ratio Lower Upper

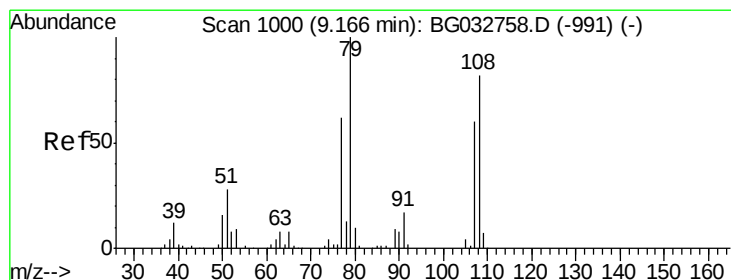
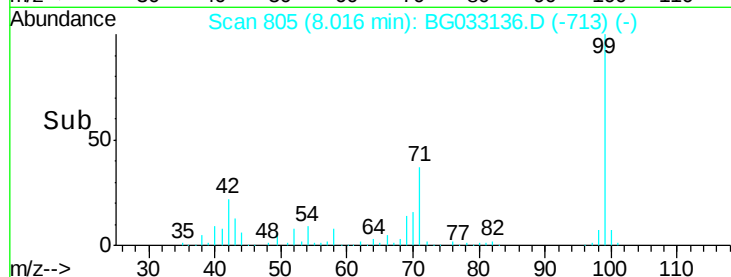
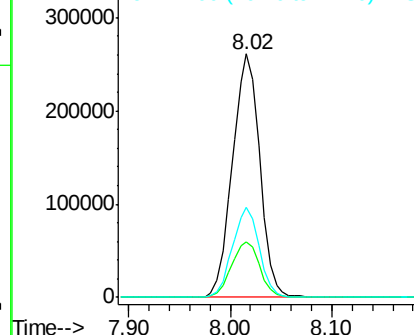
99 100

42 22.5 14.1 21.1#

71 37.1 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: 2.041 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

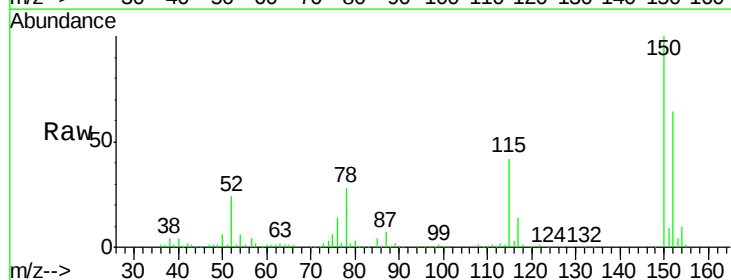
Tgt Ion: 79 Resp: 6384

Ion Ratio Lower Upper

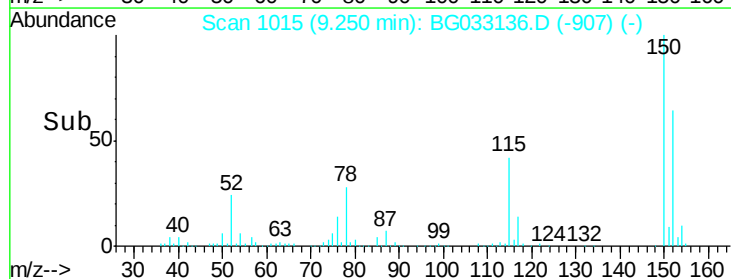
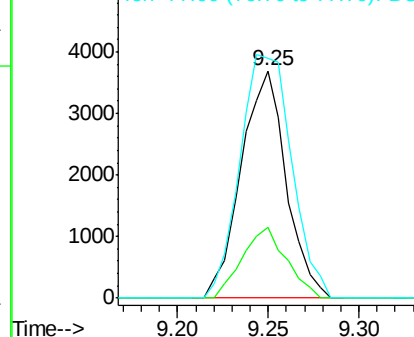
79 100

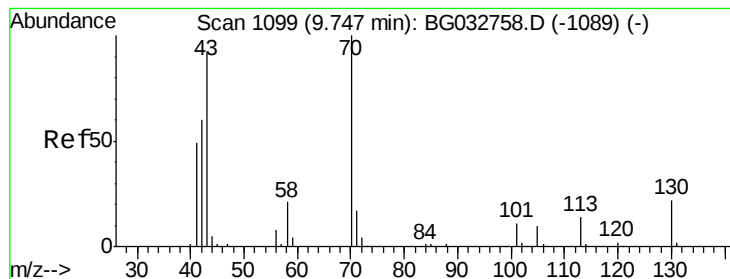
108 31.3 57.2 85.8#

77 105.7 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: 17.578 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 52798

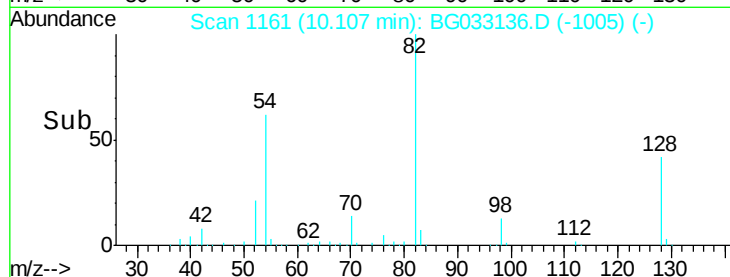
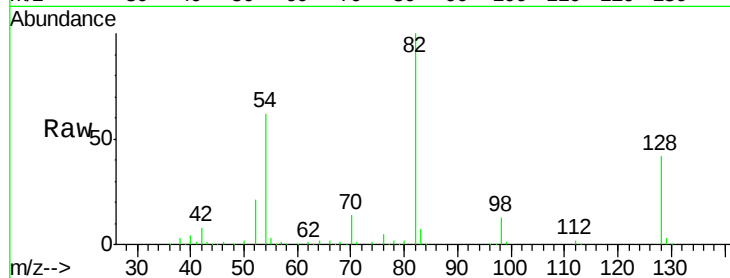
Ion Ratio Lower Upper

70 100

42 56.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

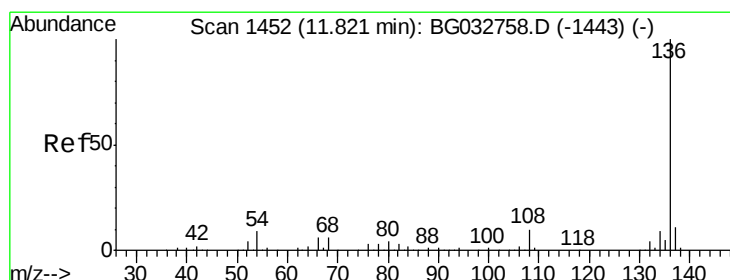
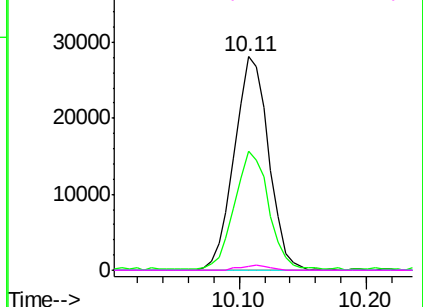


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1448

Delta R.T. -0.01 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

Tgt Ion:136 Resp: 211566

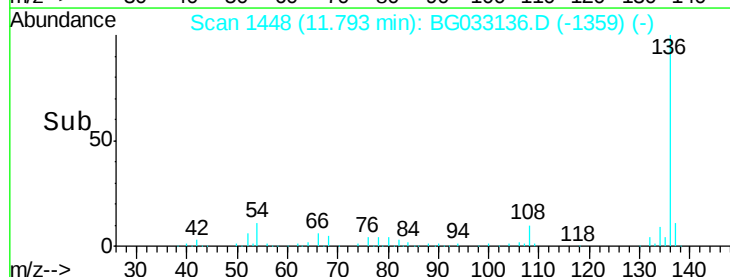
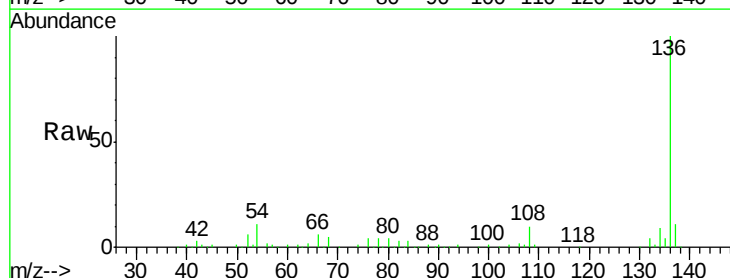
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 10.9 10.3 15.5

68 5.3 4.5 6.7

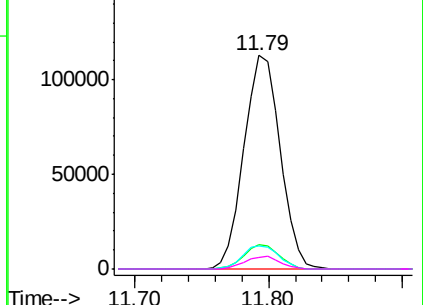


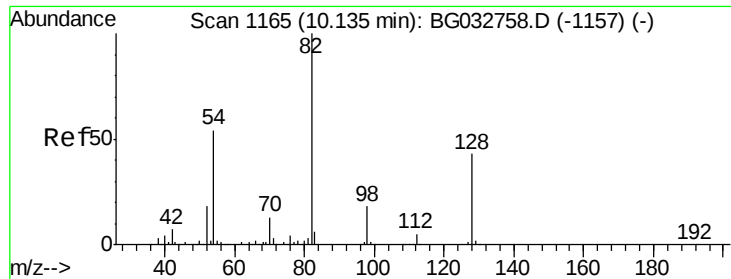
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

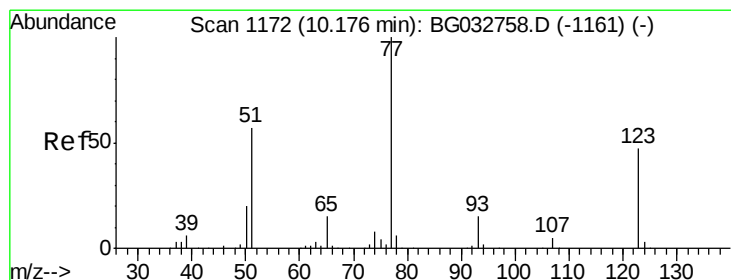
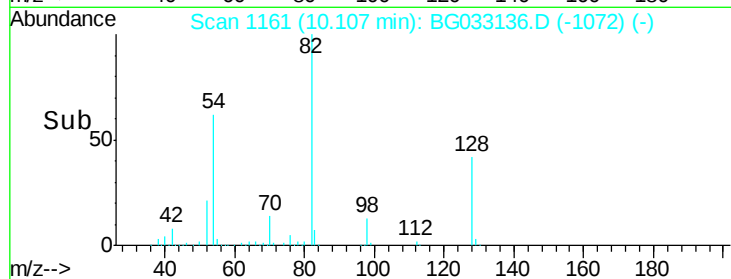
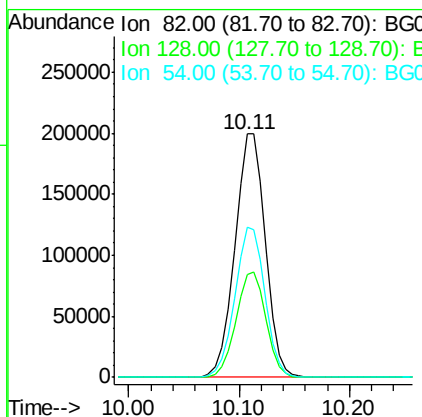
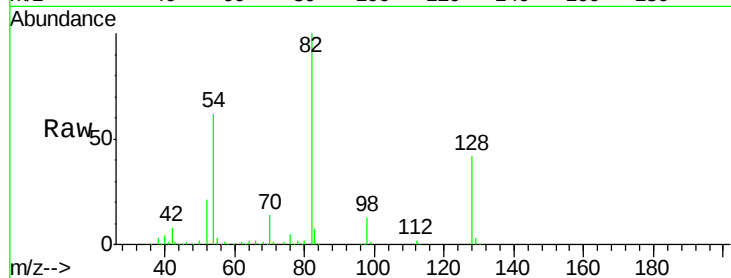




#23
Nitrobenzene-d5
Concen: 121.686 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

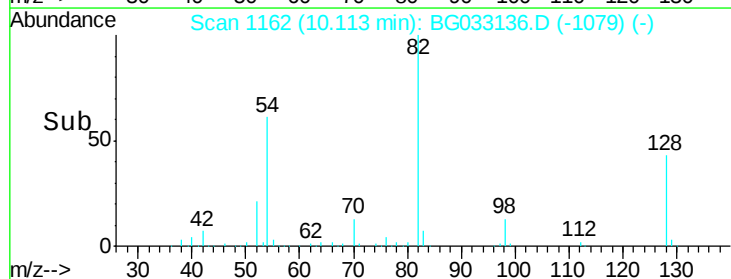
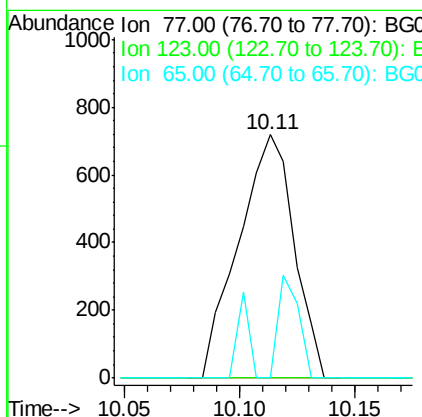
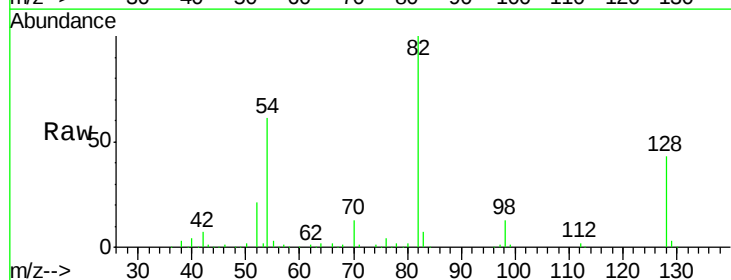
Instrument :
BNA_G
ClientSampleId :

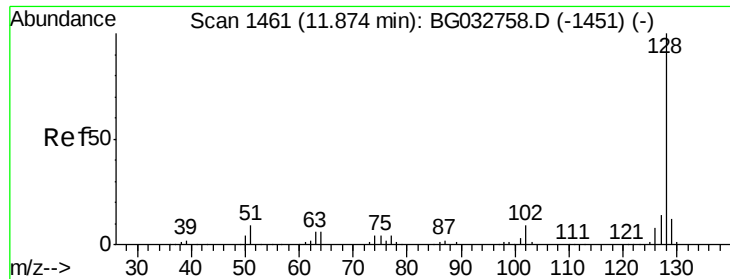
Tot Ion	82	Resp	385751
Ion Ratio	Lower	Upper	
82	100		
128	42.1	29.7	44.5
54	61.8	43.1	64.7



#24
Nitrobenzene
Concen: 6.689 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.04 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Tgt Ion	77	Resp	1200
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#

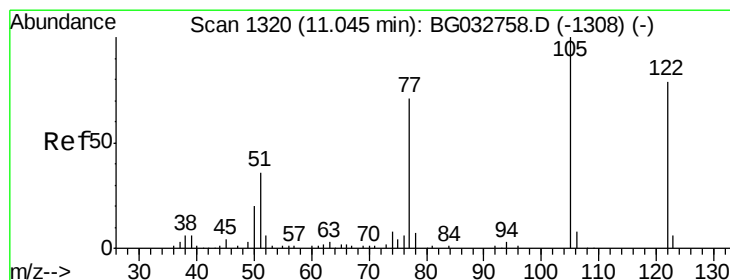
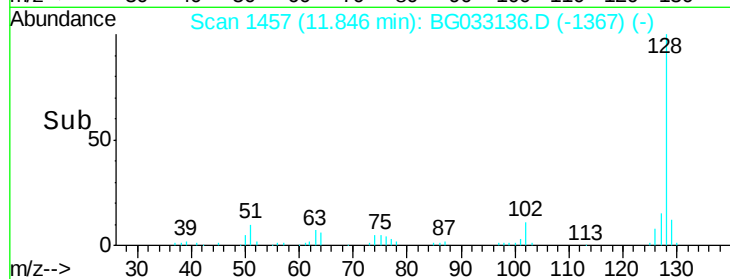
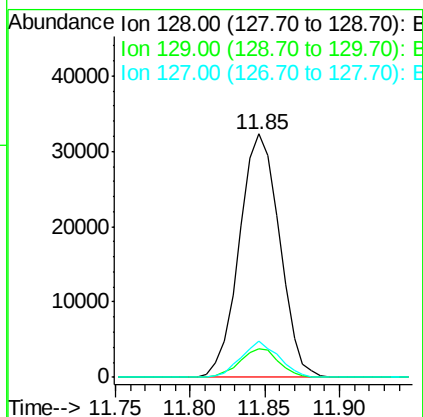
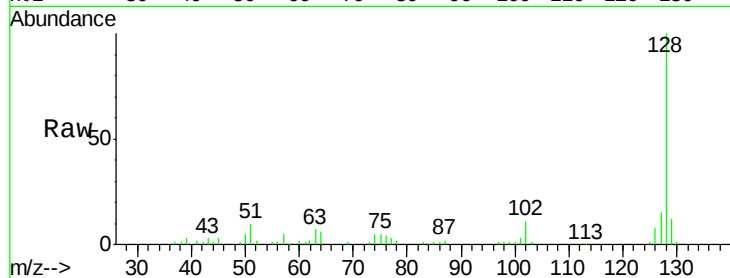




#31
Naphthalene
Concen: 5.445 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

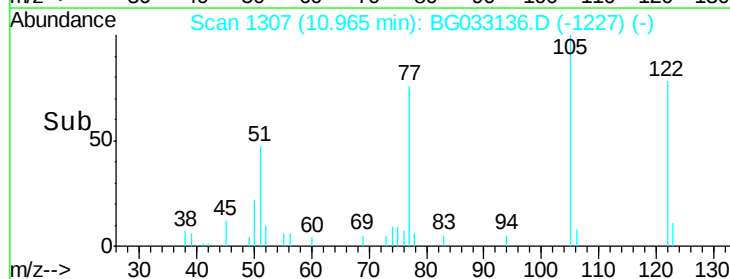
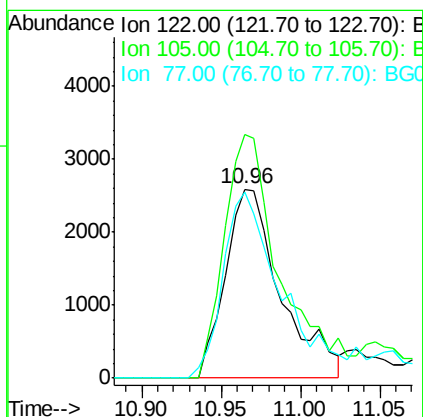
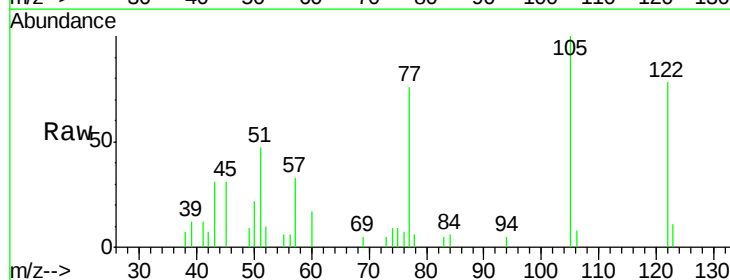
Instrument :
BNA_G
ClientSampleId :

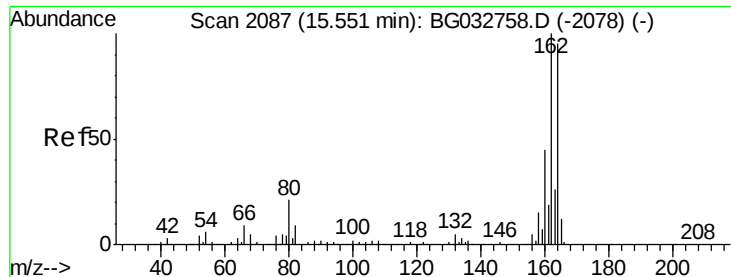
Tot Ion:128 Resp: 60199
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 14.8 11.6 17.4



#32
Benzoic acid
Concen: 9.518 ng
RT: 10.96 min Scan# 1307
Delta R.T. -0.06 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Tgt Ion:122 Resp: 6278
Ion Ratio Lower Upper
122 100
105 128.8 123.5 163.5
77 98.1 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: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampleId :

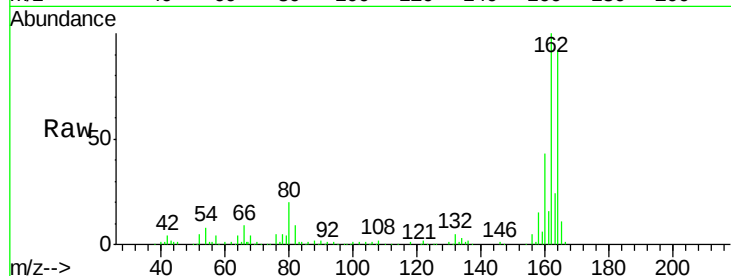
Tot Ion:164 Resp: 113817

Ion Ratio Lower Upper

164 100

162 108.3 78.8 118.2

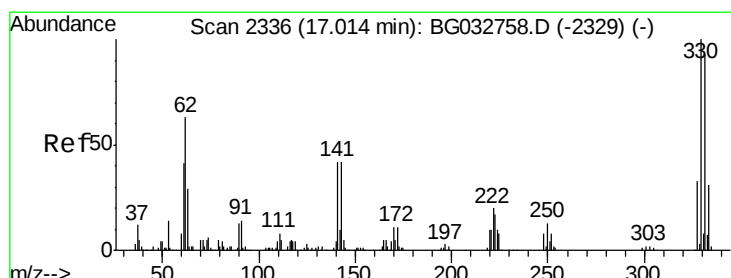
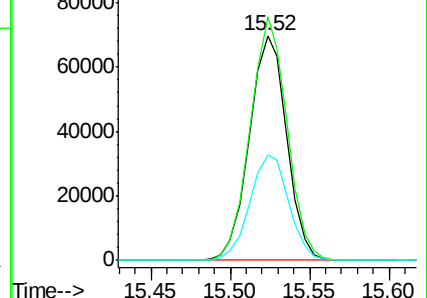
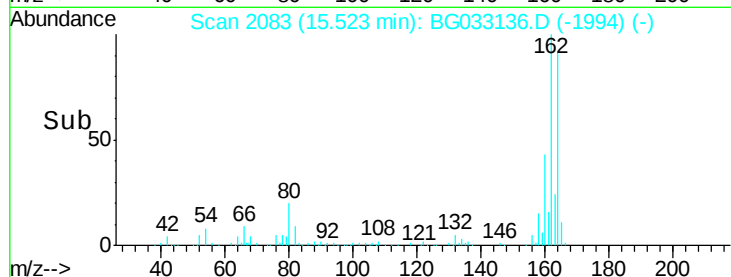
160 46.9 35.4 53.0



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: 112.290 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

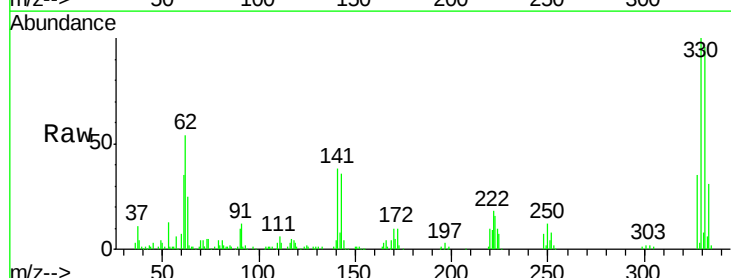
Tgt Ion:330 Resp: 134383

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

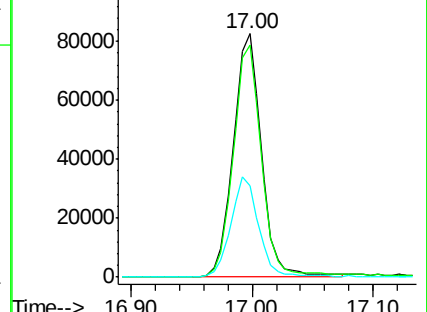
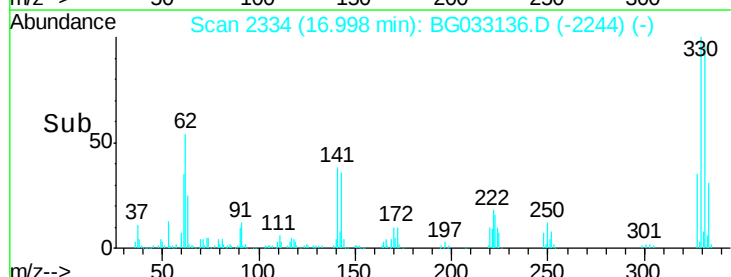
141 40.6 25.2 37.8#

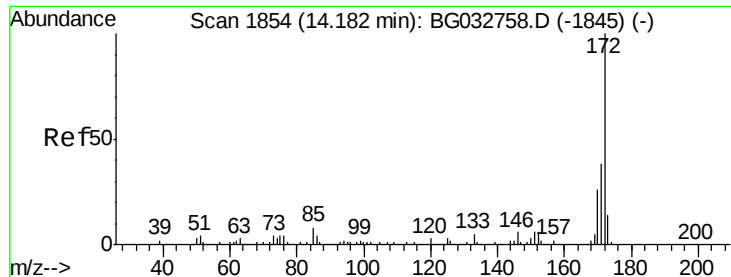


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

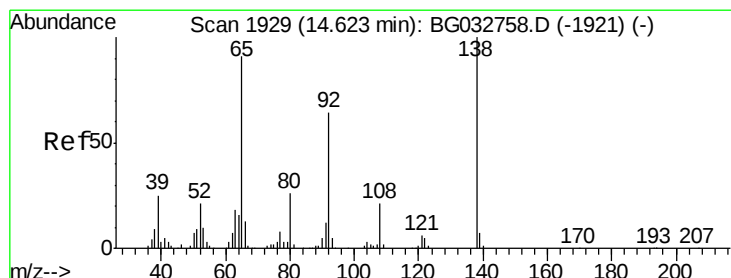
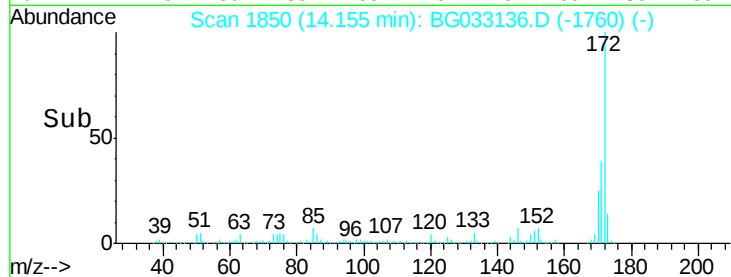
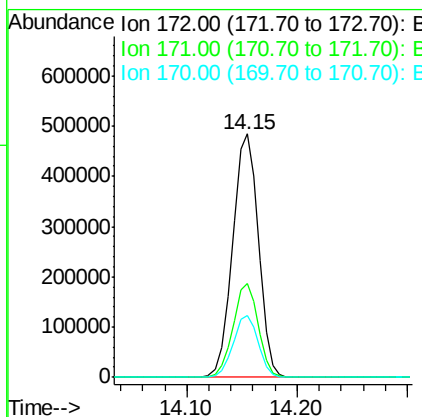
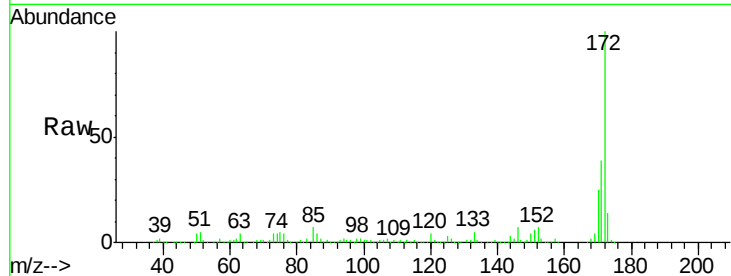




#44
 2-Fluorobiphenyl
 Concen: 100.415 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033136.D
 Acq: 14 Mar 2018 4:44

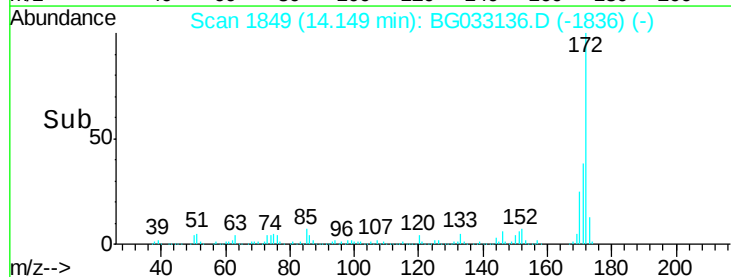
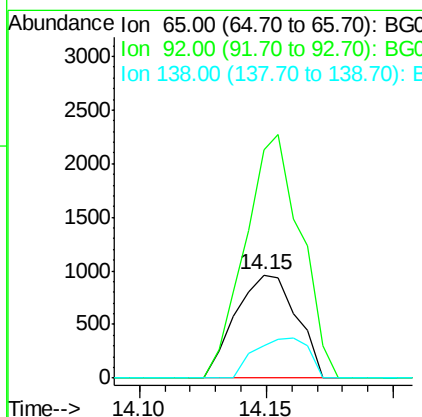
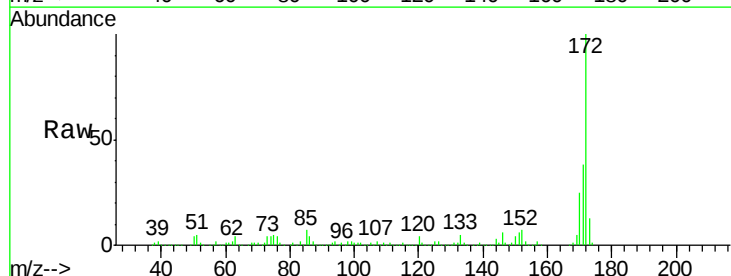
Instrument :
 BNA_G
 ClientSampleId :

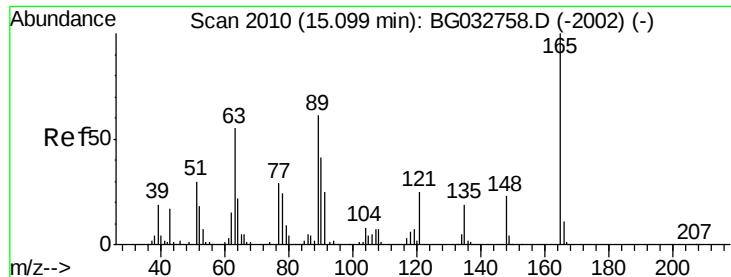
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.3	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.521 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.45 min
 Lab File: BG033136.D
 Acq: 14 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
65	100		
92	220.4	54.6	82.0#
138	30.9	72.9	109.3#

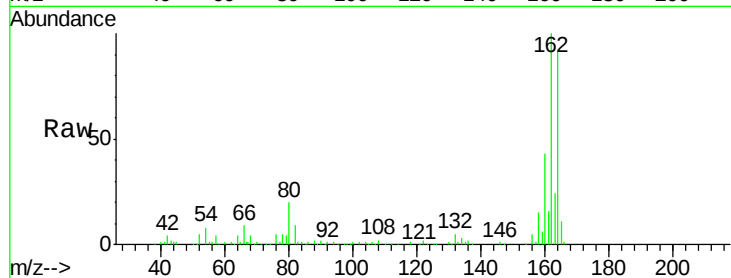




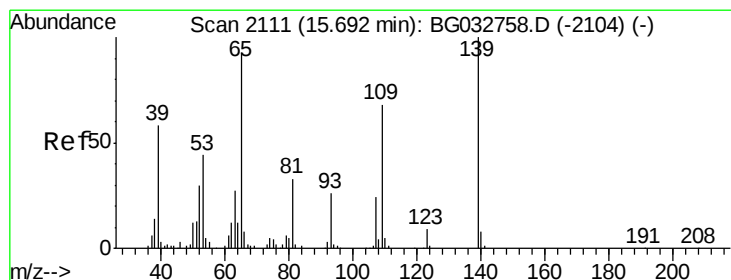
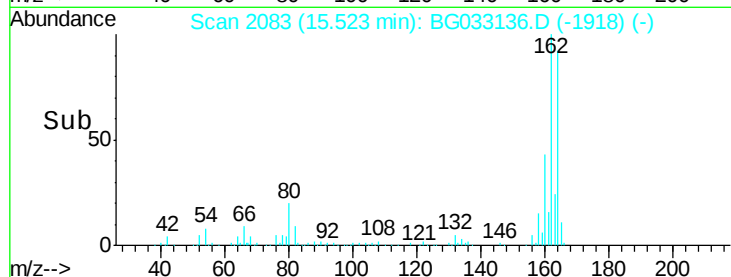
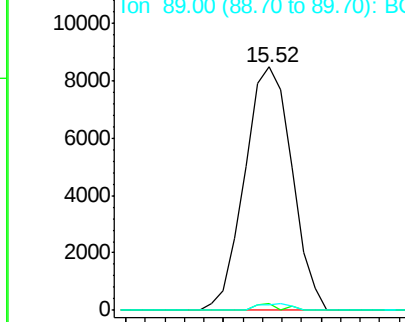
#50
2,6-Dinitrotoluene
Concen: 16.126 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 14193
Ion Ratio Lower Upper
165 100
63 2.8 52.7 79.1#
89 2.3 49.2 73.8#

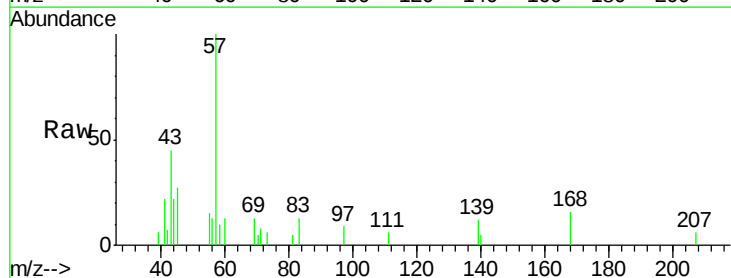


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

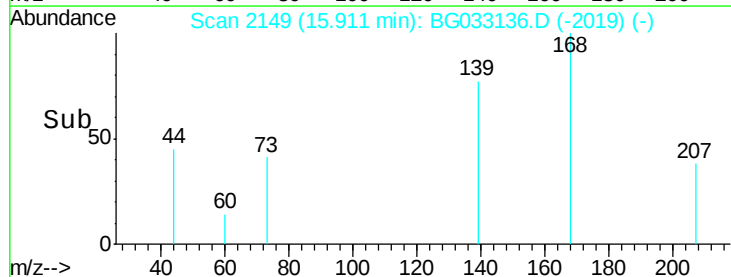
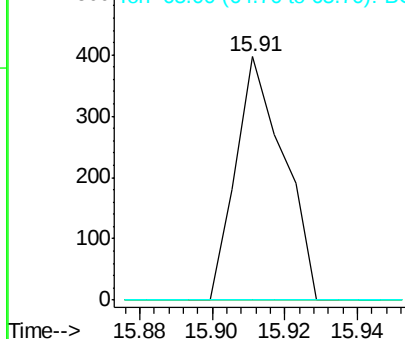


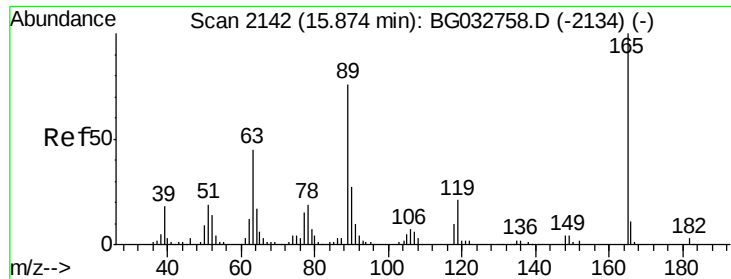
#55
4-Nitrophenol
Concen: 7.291 ng
RT: 15.91 min Scan# 2149
Delta R.T. 0.23 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Tgt Ion:139 Resp: 365
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): BGO

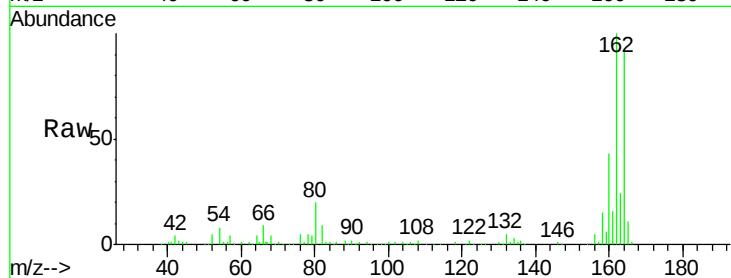




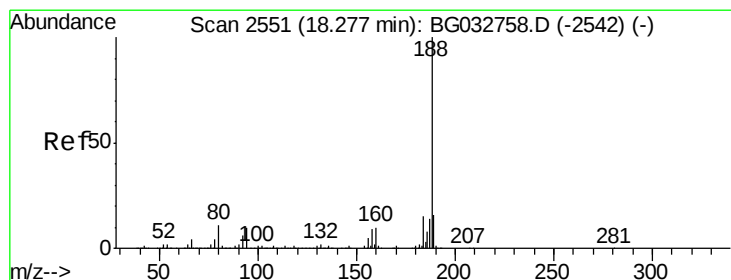
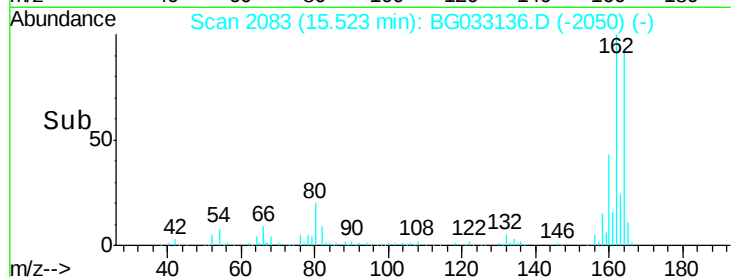
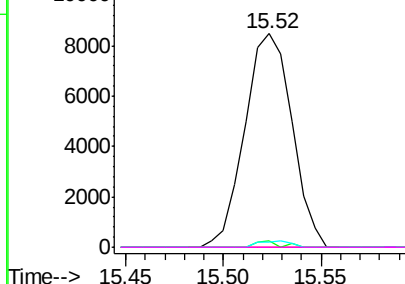
#56
2,4-Dinitrotoluene
Concen: 14.322 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.34 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14193
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 2.3 66.9 100.3#
182 0.0 2.6 3.8#

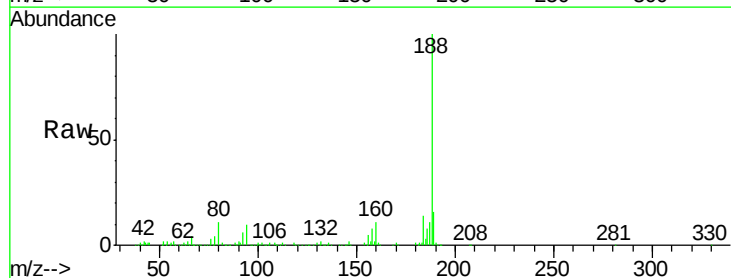


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

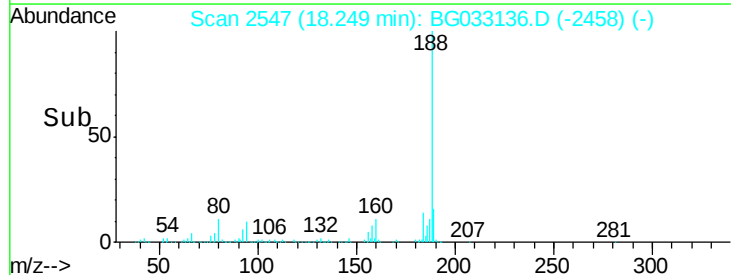
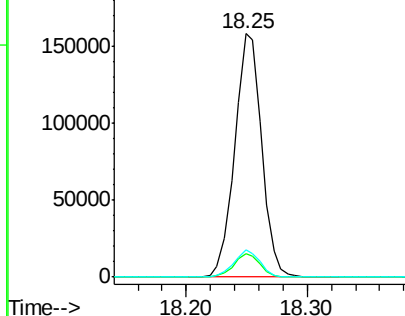


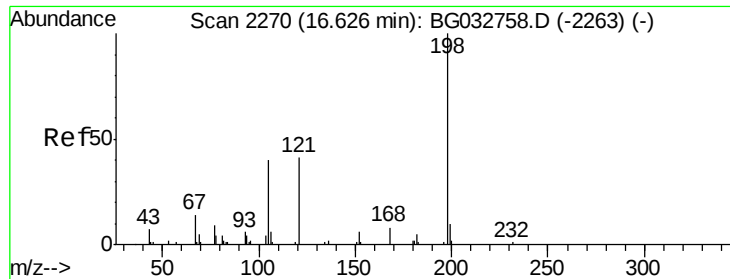
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033136.D
Acq: 14 Mar 2018 4:44

Tgt Ion:188 Resp: 245935
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 11.4 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: 5.531 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.40 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampleId :

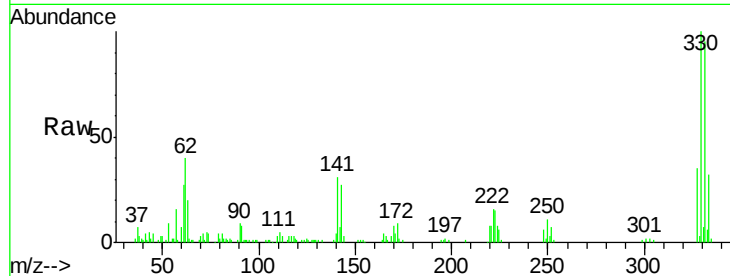
Tot Ion:198 Resp: 337

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

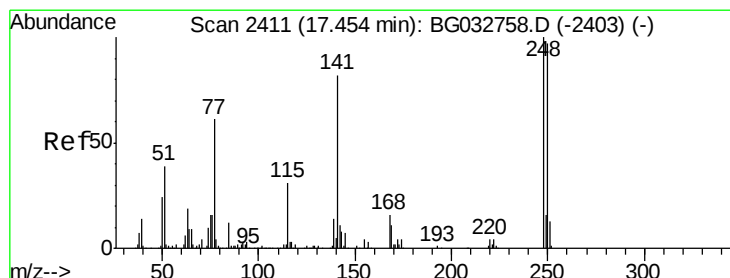
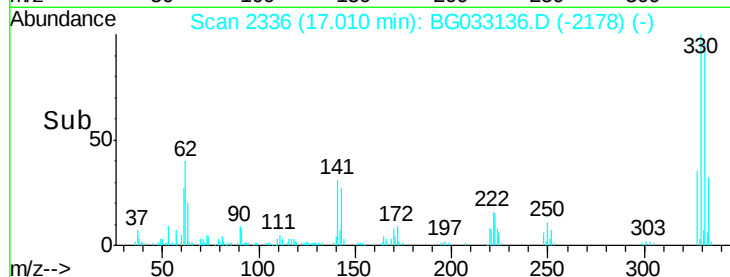
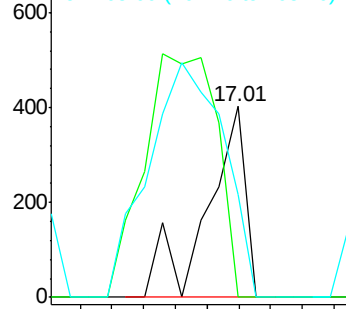
105 53.7 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.433 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

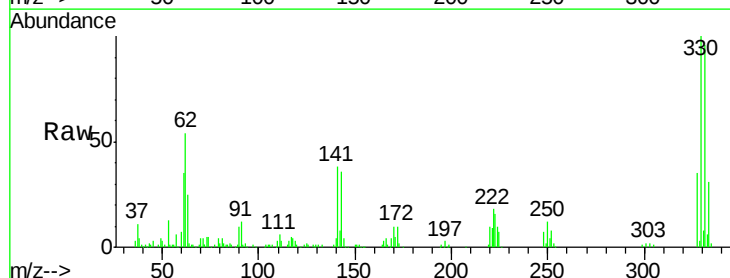
Tgt Ion:248 Resp: 8927

Ion Ratio Lower Upper

248 100

250 181.8 77.1 115.7#

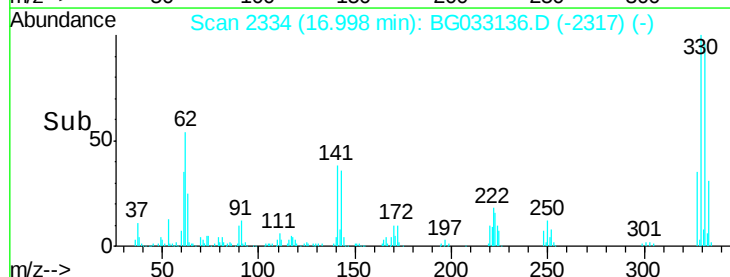
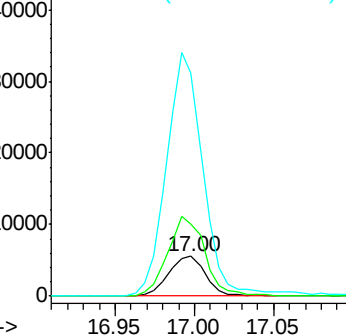
141 561.1 50.8 76.2#

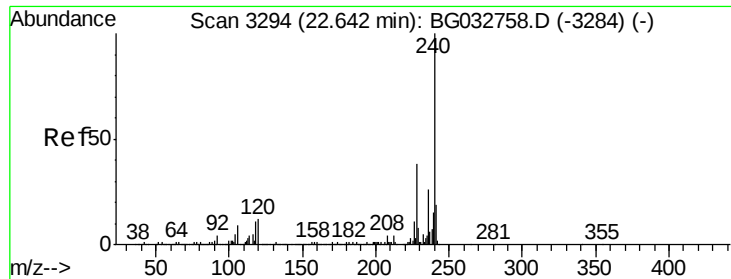


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampled :

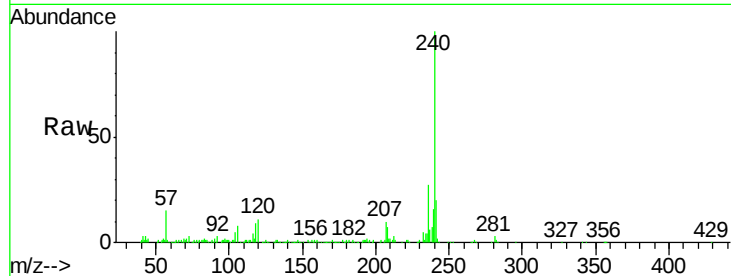
Tot Ion:240 Resp: 230753

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

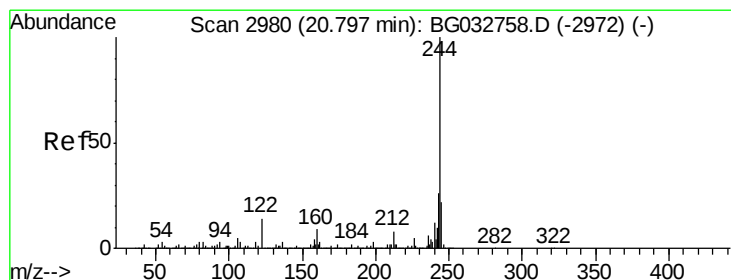
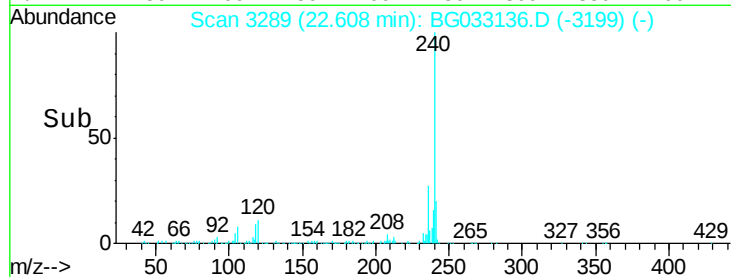
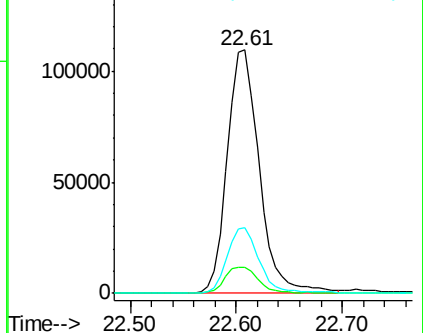
236 26.7 20.9 31.3



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



#78

Terphenyl-d14

Concen: 109.791 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

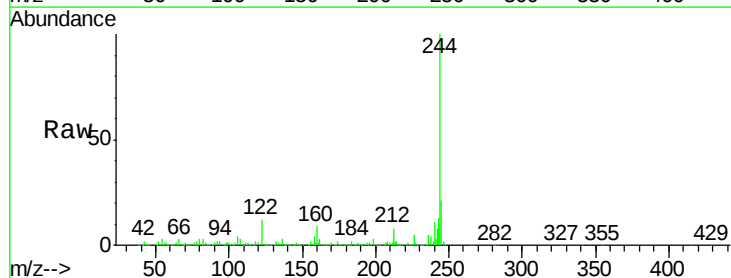
Tgt Ion:244 Resp: 1127621

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

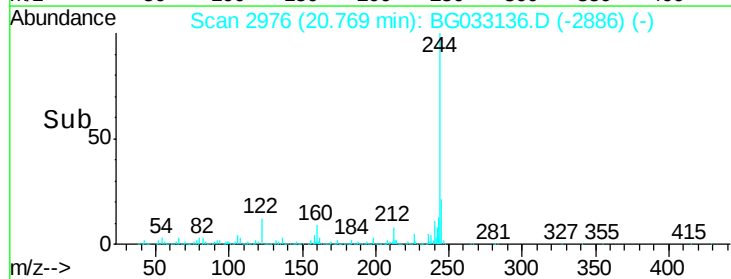
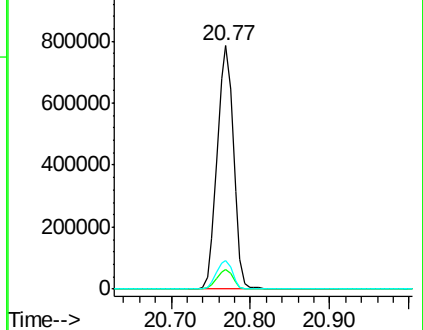
122 11.7 7.0 10.4#

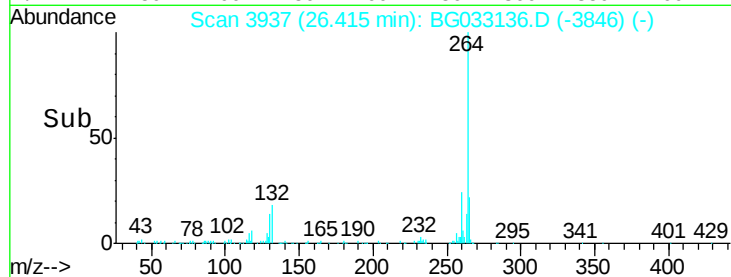
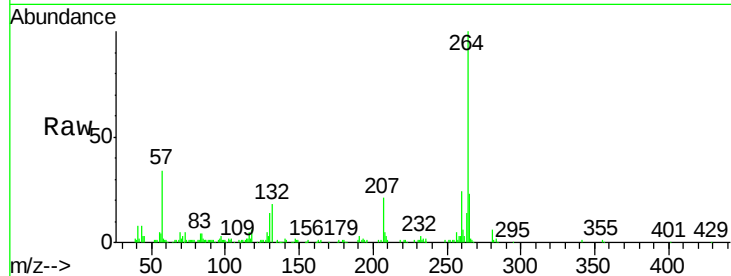
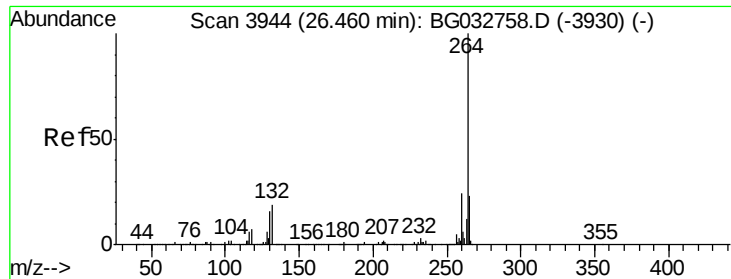


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.41 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033136.D

Acq: 14 Mar 2018 4:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 210524

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.6 17.7 26.5

