

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033206.D
 Acq On : 16 Mar 2018 19:16
 Operator : SJ/JU
 Sample : J1926-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4512-13

Quant Time: Mar 17 05:21:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

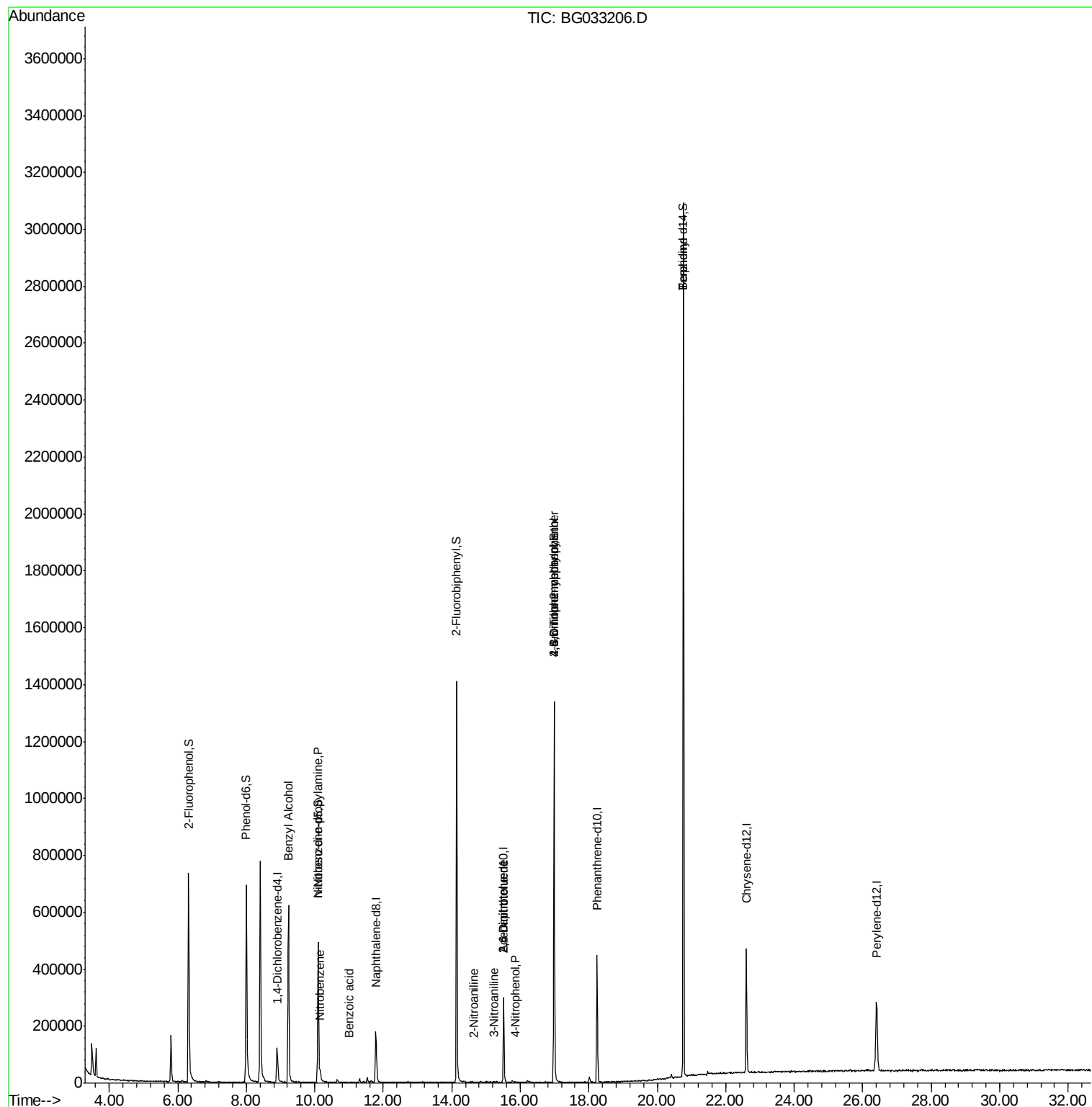
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	41859	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	167046	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	118674	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	308668	20.00	ng	0.00
75) Chrysene-d12	22.60	240	307874	20.00	ng	0.00
86) Perylene-d12	26.41	264	327176	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	361373	138.12	ng	0.00
7) Phenol-d6	8.00	99	499317	136.91	ng	-0.01
23) Nitrobenzene-d5	10.10	82	382400	150.25	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	273529	219.21	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	830383	100.92	ng	0.00
78) Terphenyl-d14	20.76	244	1507235	109.99	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	6337	2.364	ng	# 22
19) n-Nitroso-di-n-propylamine	10.10	70	52985	20.580	ng	# 75
24) Nitrobenzene	10.14	77	57	6.399	ng	# 42
32) Benzoic acid	11.00	122	69	5.868	ng	# 1
47) 2-Nitroaniline	14.63	65	55	9.858	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	14945	16.198	ng	# 18
52) 3-Nitroaniline	15.23	138	63	7.569	ng	# 1
55) 4-Nitrophenol	15.85	139	59	7.113	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14946	14.395	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	1049	6.386	ng	# 49
66) 4-Bromophenyl-phenylether	16.99	248	21083	6.460	ng	# 1
76) Benzidine	20.76	184	26492	2.524	ng	95

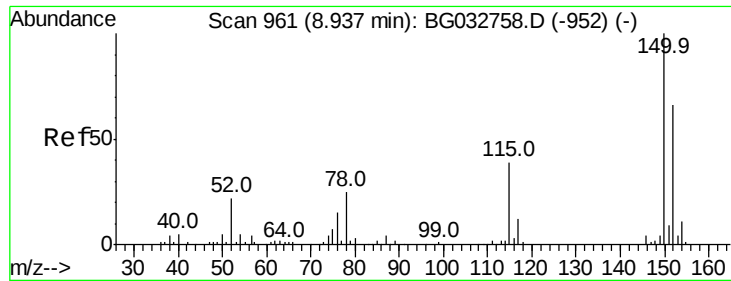
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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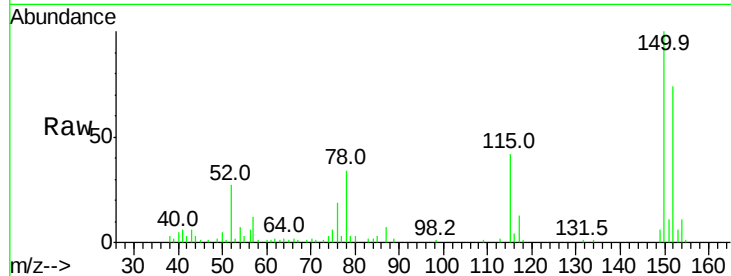


#1

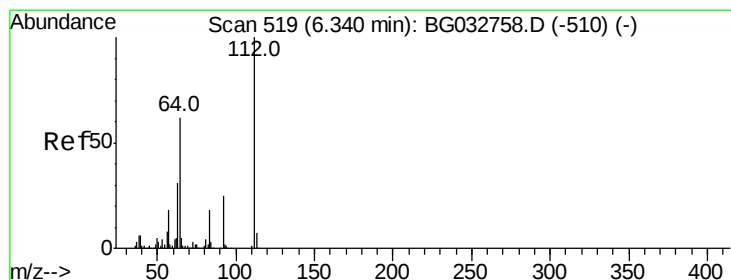
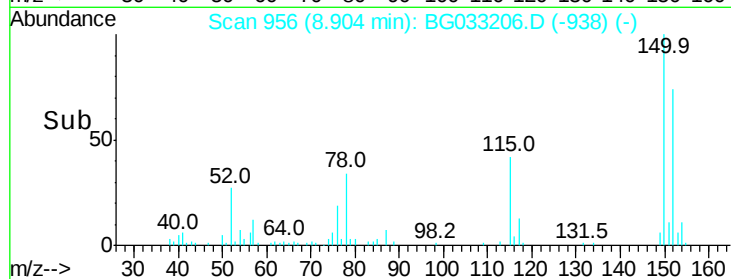
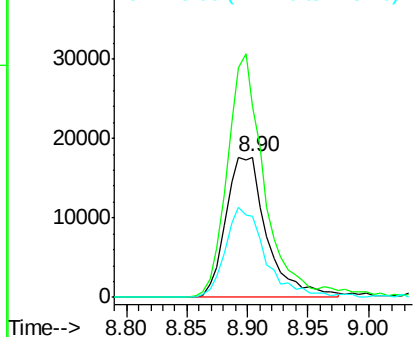
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 956
Delta R.T. 0.01 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Instrument :
BNA_G
ClientSampled :
4512-13

Tot Ion:152 Resp: 41859
Ion Ratio Lower Upper
152 100
150 135.8 126.6 189.8
115 57.6 53.0 79.4



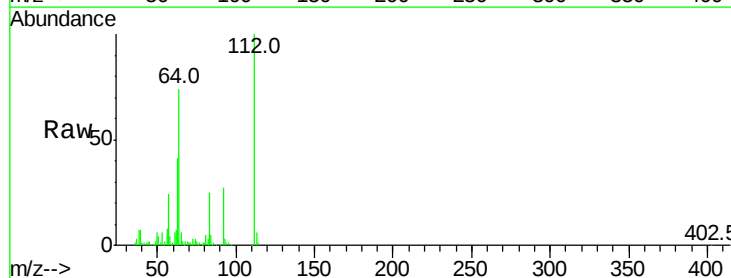
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



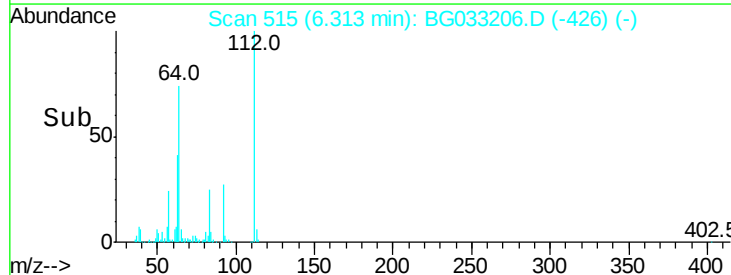
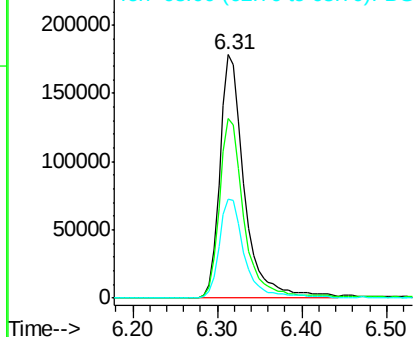
#5

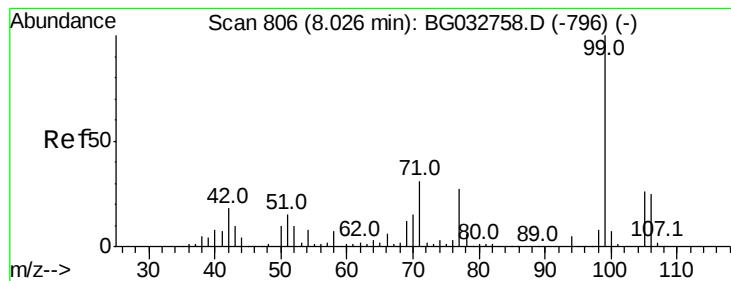
2-Fluorophenol
Concen: 138.117 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.01 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Tgt Ion:112 Resp: 361373
Ion Ratio Lower Upper
112 100
64 73.7 56.3 84.5
63 40.6 30.1 45.1



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





#7

Phenol-d6

Concen: 136.914 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

4512-13

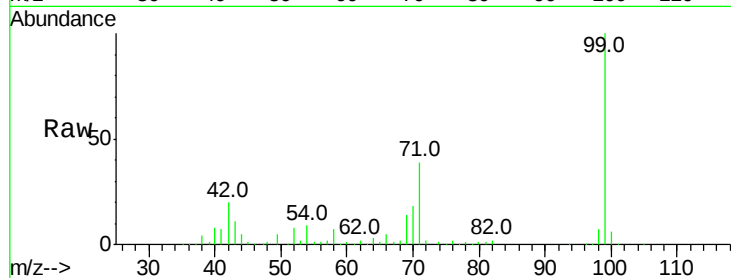
Tot Ion: 99 Resp: 499317

Ion Ratio Lower Upper

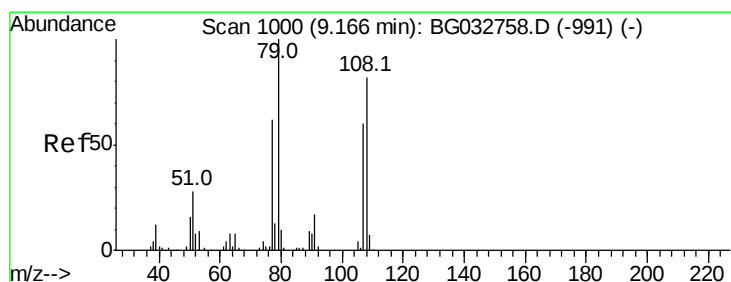
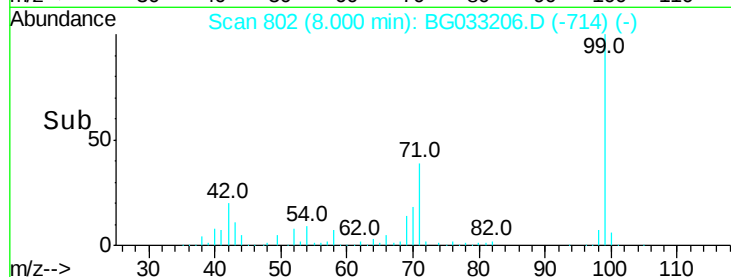
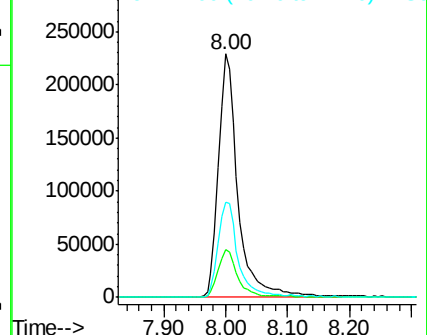
99 100

42 19.9 14.1 21.1

71 39.3 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: 2.364 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

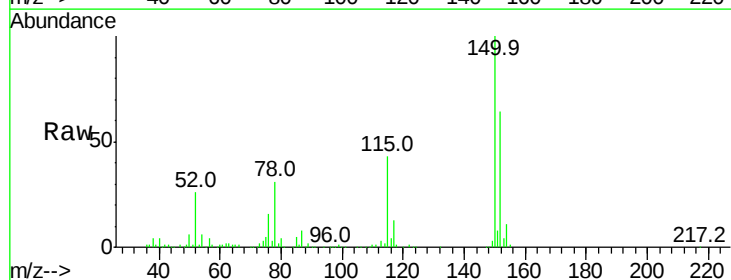
Tgt Ion: 79 Resp: 6337

Ion Ratio Lower Upper

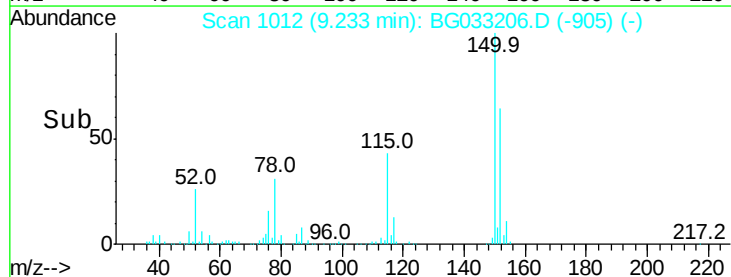
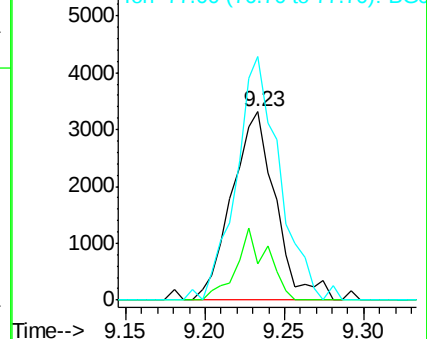
79 100

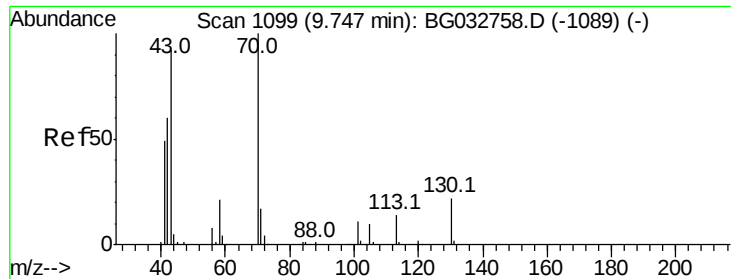
108 19.5 57.2 85.8#

77 129.4 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

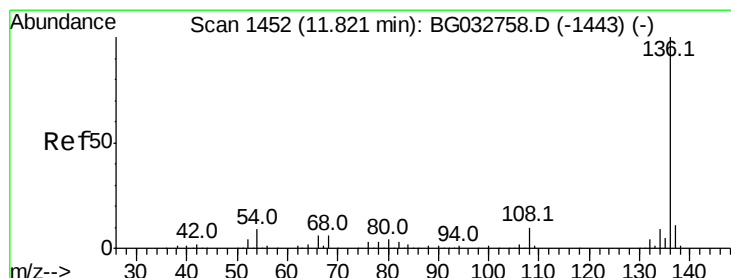
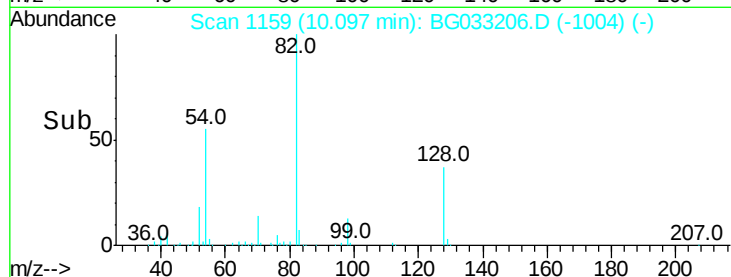
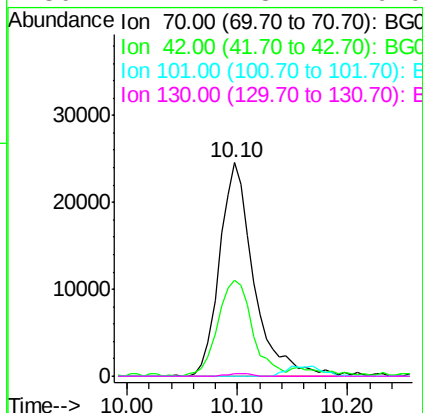
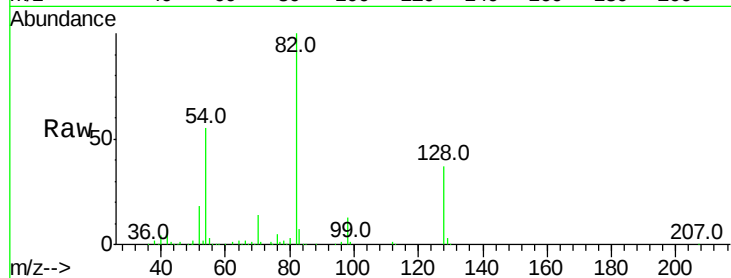




#19
n-Nitroso-di-n-propylamine
Concen: 20.580 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

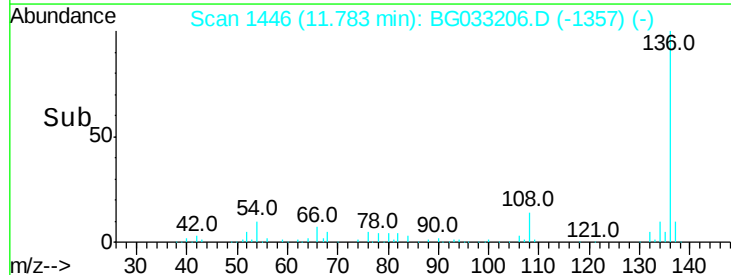
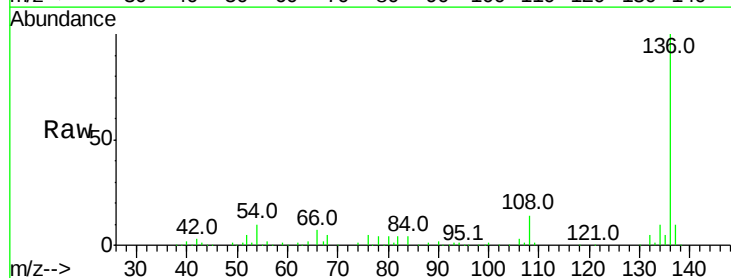
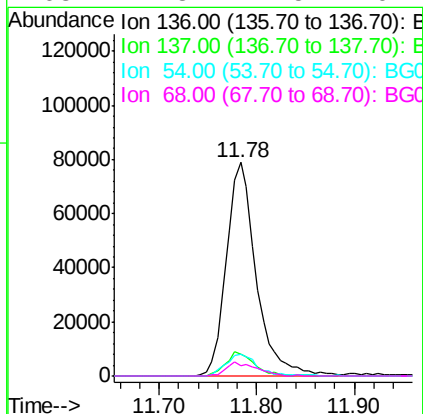
Instrument :
BNA_G
ClientSampleId :
4512-13

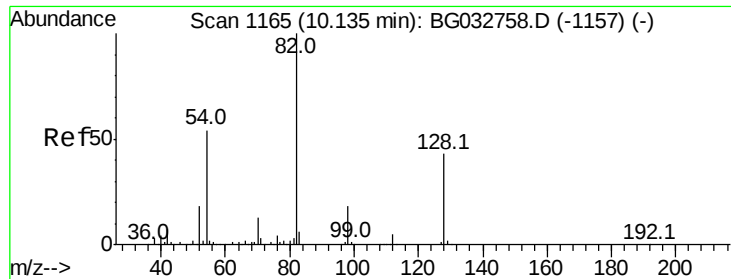
Tot Ion: 70 Resp: 52985
Ion Ratio Lower Upper
70 100
42 45.1 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Tgt Ion: 136 Resp: 167046
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 10.3 10.3 15.5#
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 150.245 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

4512-13

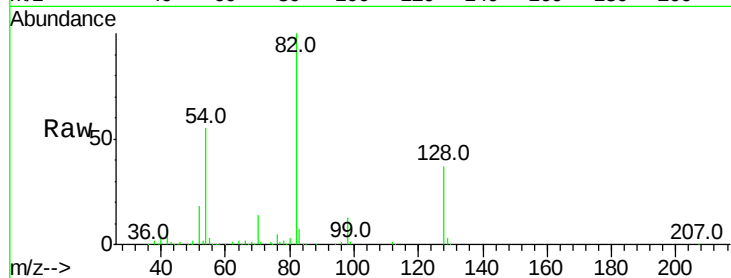
Tot Ion: 82 Resp: 382400

Ion Ratio Lower Upper

82 100

128 36.5 29.7 44.5

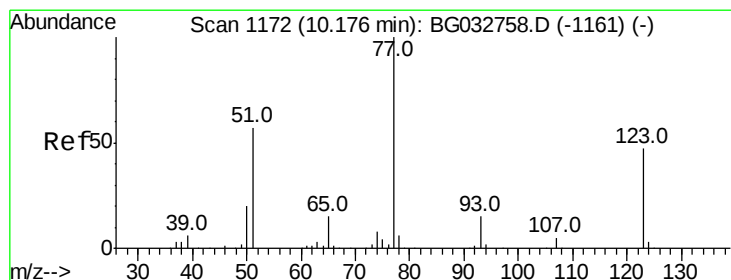
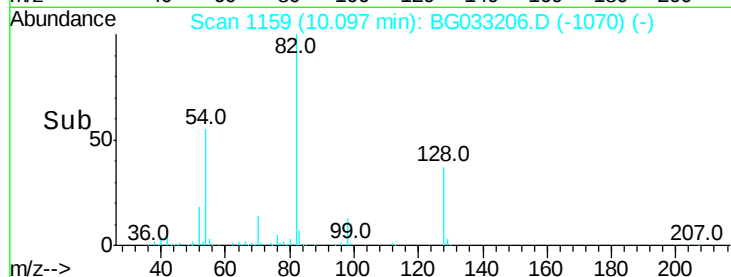
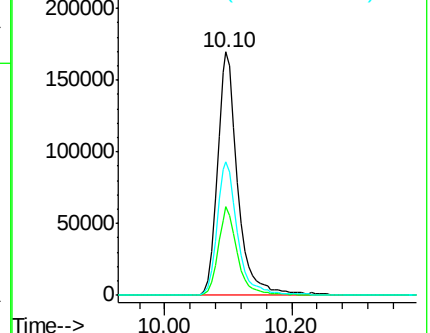
54 54.9 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.399 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

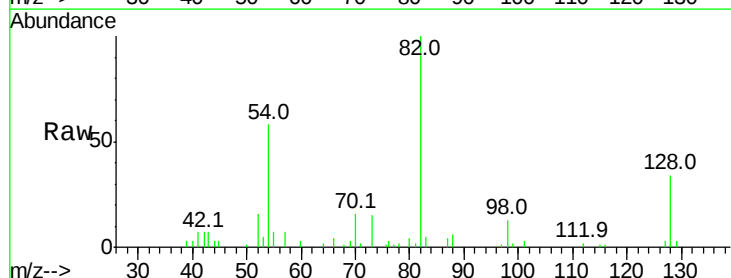
Tgt Ion: 77 Resp: 57

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

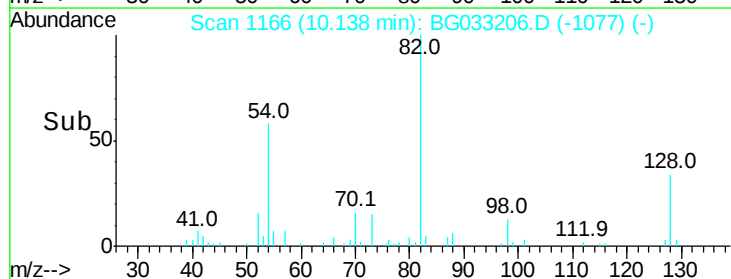
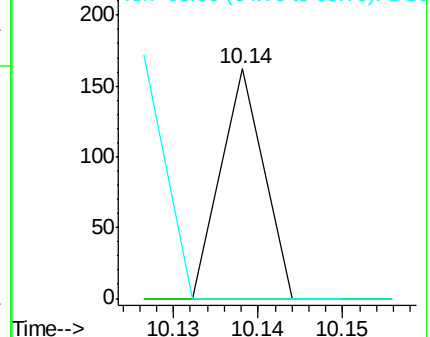
65 0.0 13.0 19.6#

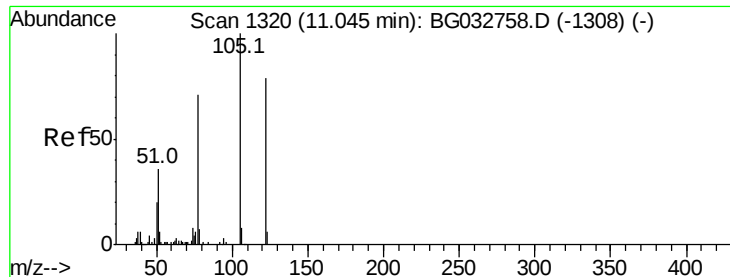


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

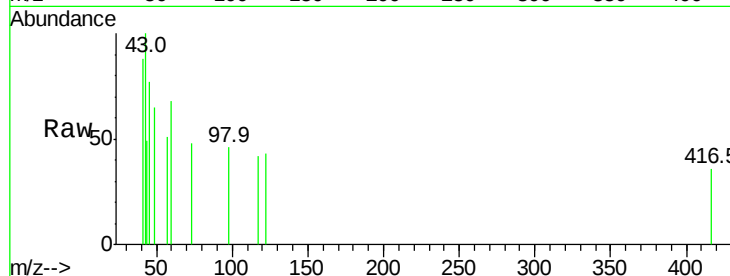




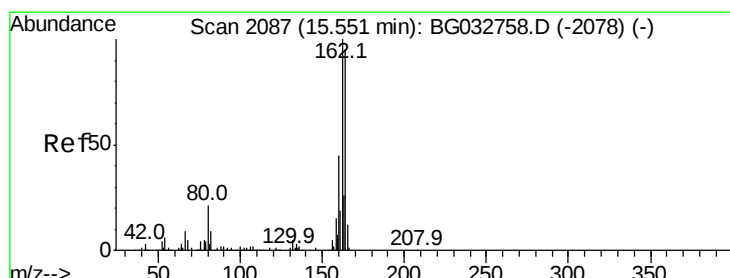
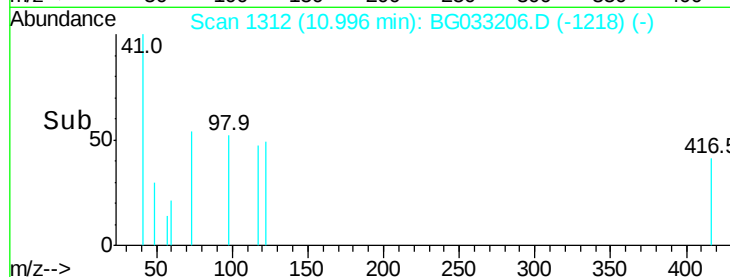
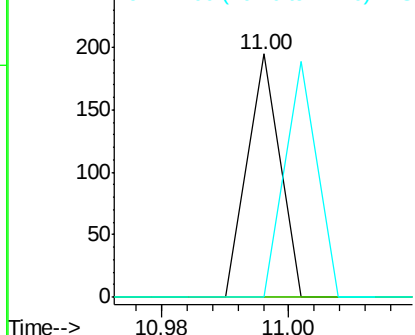
#32
Benzoic acid
Concen: 5.868 ng
RT: 11.00 min Scan# 1312
Delta R.T. 0.02 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Instrument :
BNA_G
ClientSampleId :
4512-13

Tot Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

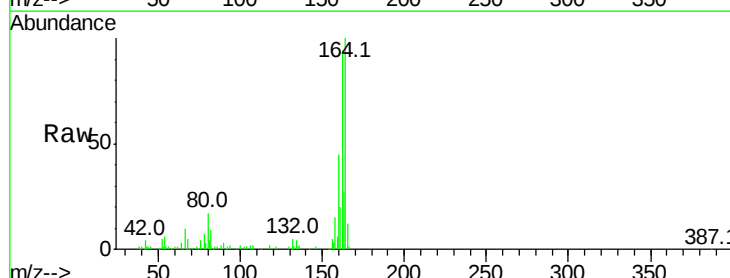


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

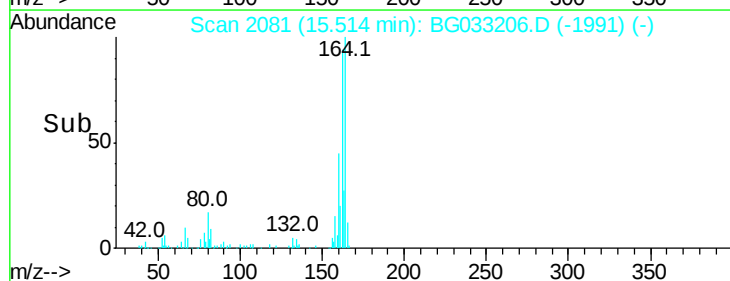
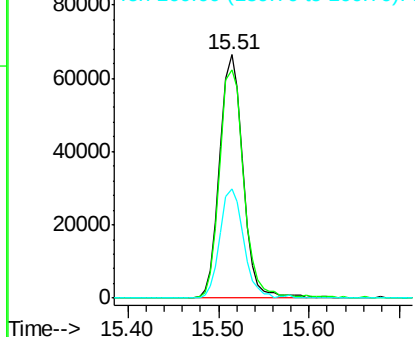


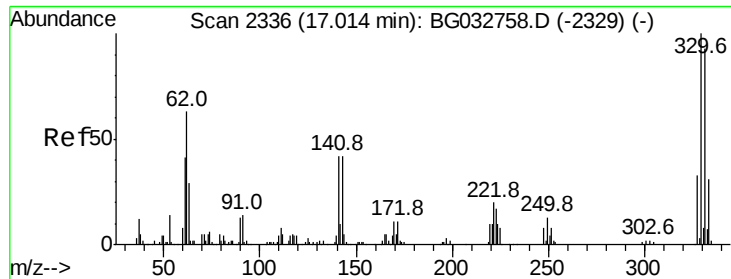
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Tgt Ion:164 Resp: 118674
Ion Ratio Lower Upper
164 100
162 93.8 78.8 118.2
160 44.7 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

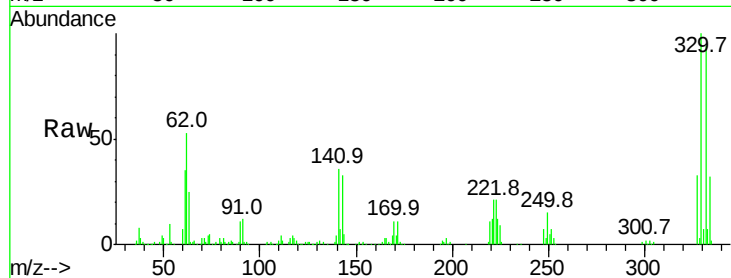




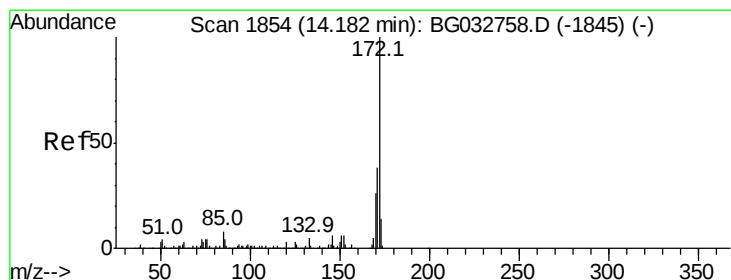
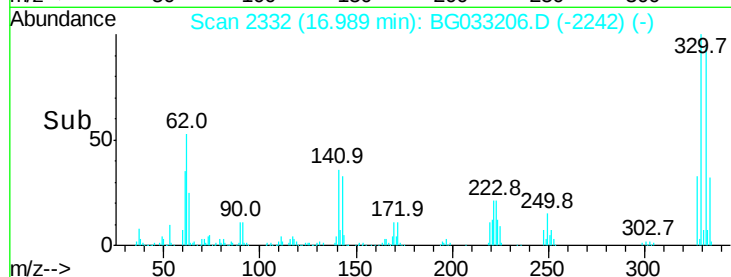
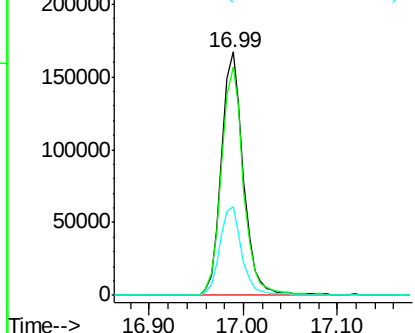
#41
 2,4,6-Tribromophenol
 Concen: 219.206 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :
 4512-13

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	36.6	25.2	37.8

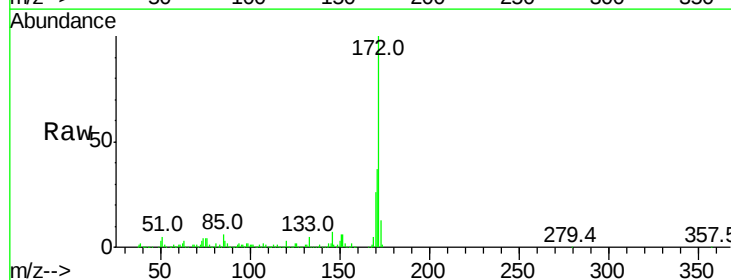


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

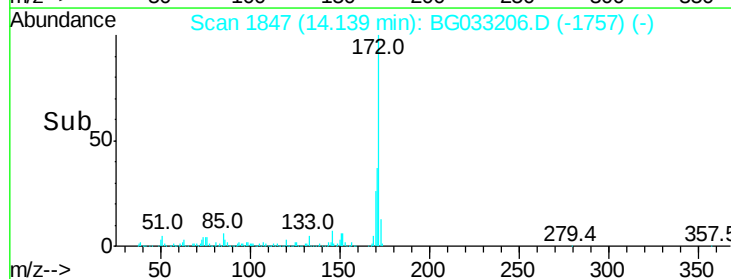
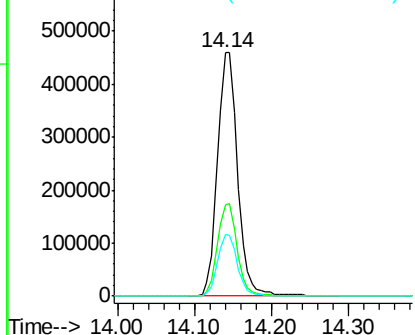


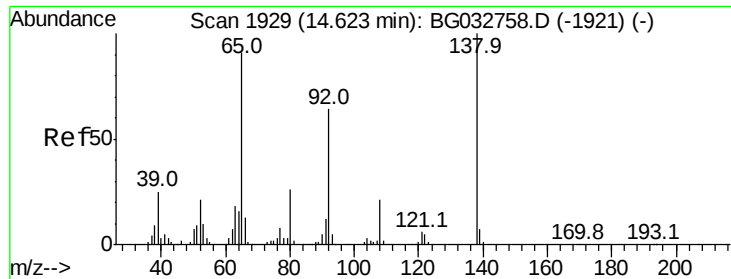
#44
 2-Fluorobiphenyl
 Concen: 100.917 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	25.6	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: 9.858 ng

RT: 14.63 min Scan# 1931

Delta R.T. 0.03 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

4512-13

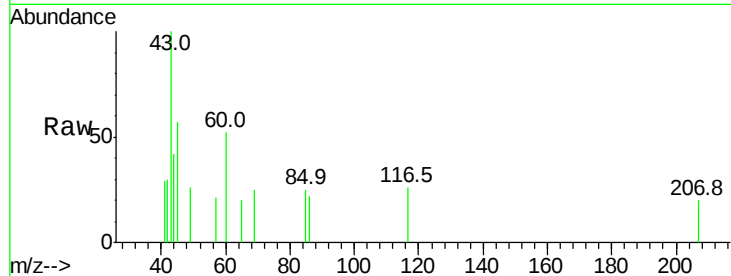
Tot Ion: 65 Resp: 55

Ion Ratio Lower Upper

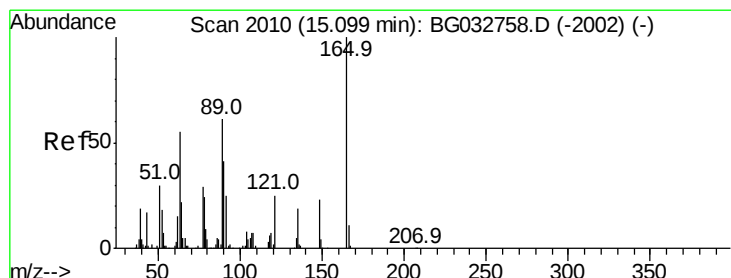
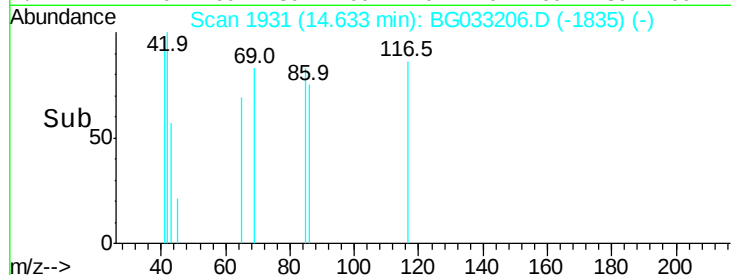
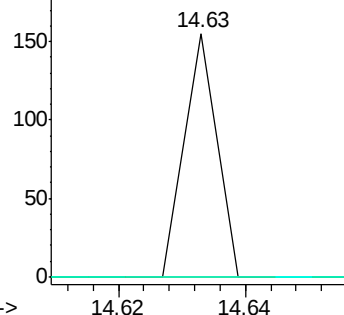
65 100

92 0.0 54.6 82.0#

138 0.0 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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.198 ng

RT: 15.51 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

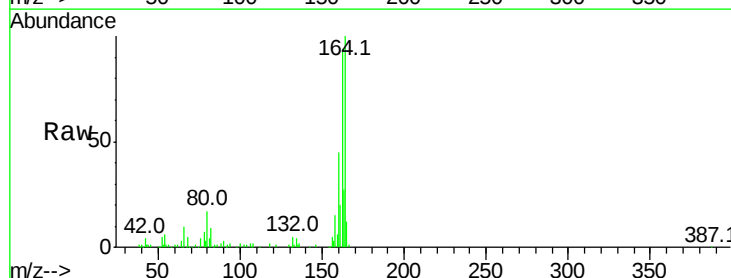
Tgt Ion: 165 Resp: 14945

Ion Ratio Lower Upper

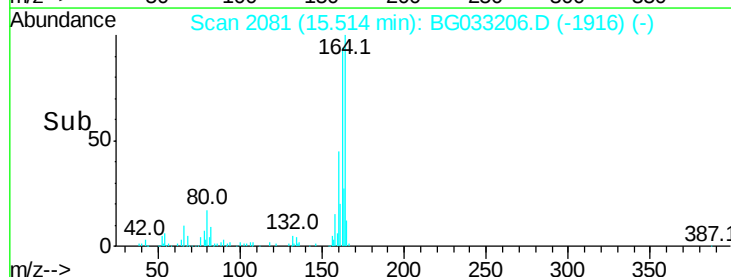
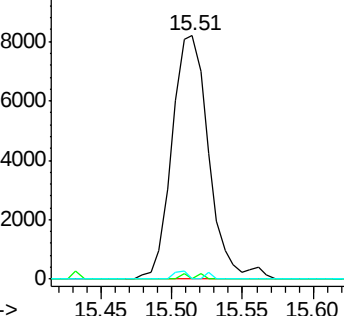
165 100

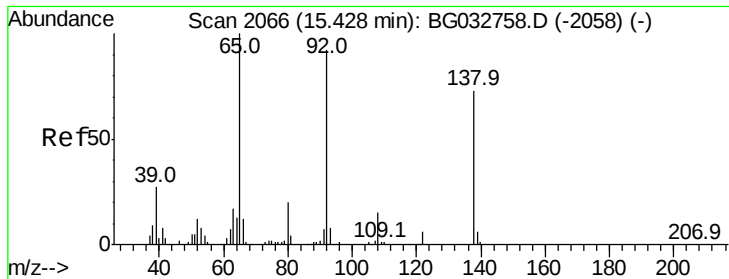
63 0.0 52.7 79.1#

89 0.0 49.2 73.8#



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

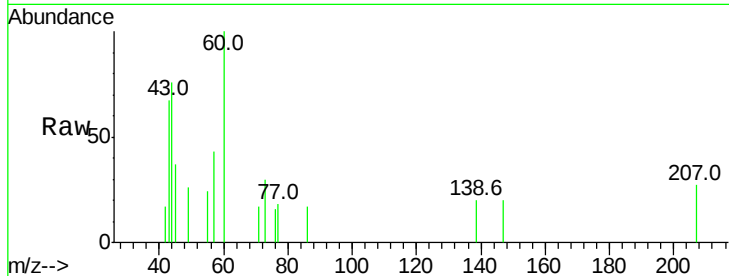




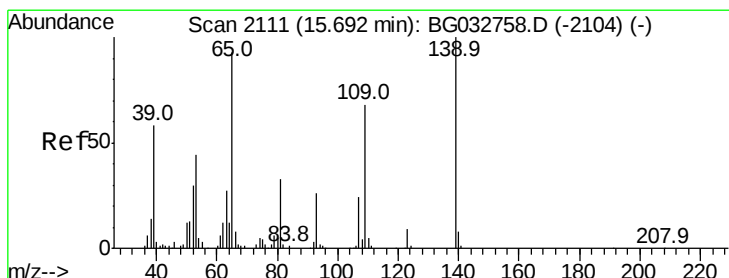
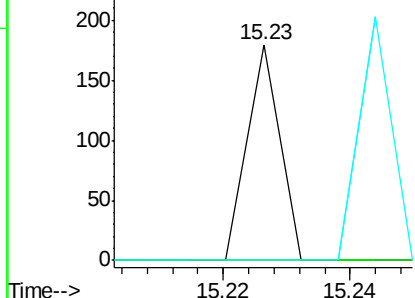
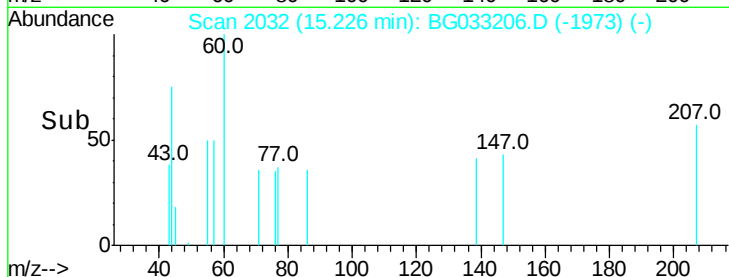
#52
 3-Nitroaniline
 Concen: 7.569 ng
 RT: 15.23 min Scan# 2032
 Delta R.T. -0.19 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :
 4512-13

Tot Ion:138 Resp: 63
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#

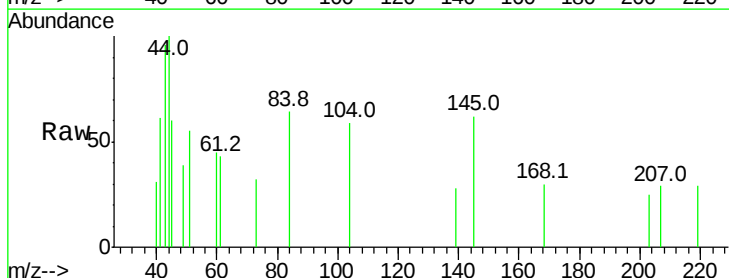


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

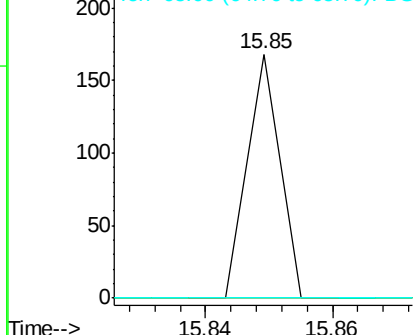
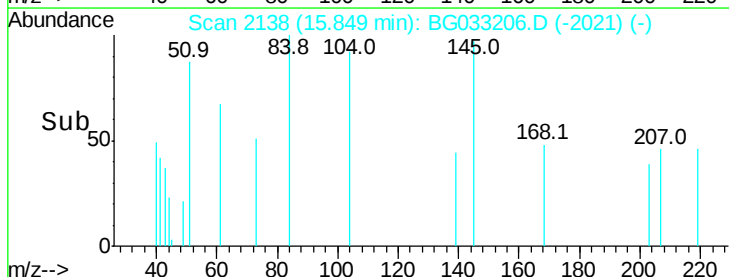


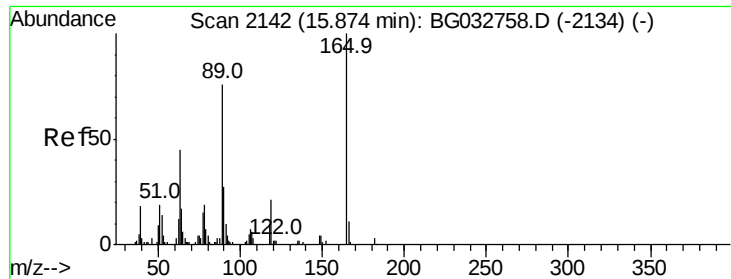
#55
 4-Nitrophenol
 Concen: 7.113 ng
 RT: 15.85 min Scan# 2138
 Delta R.T. 0.15 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Tgt Ion:139 Resp: 59
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#



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

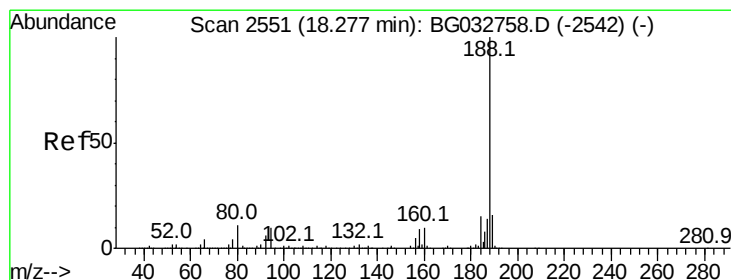
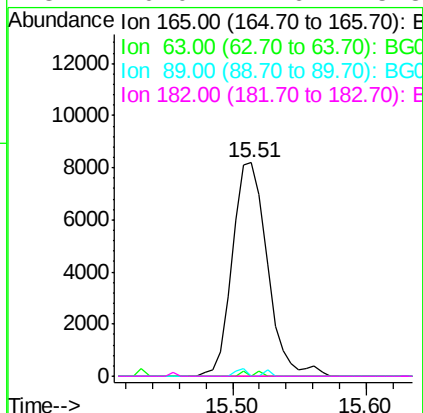
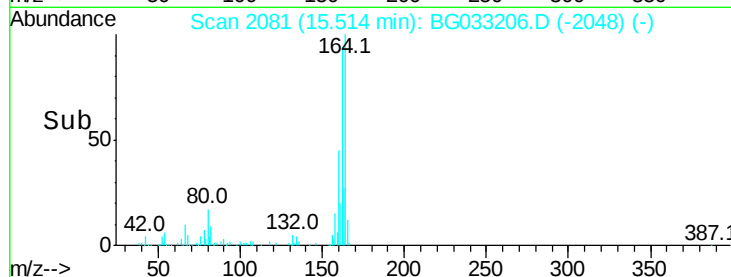
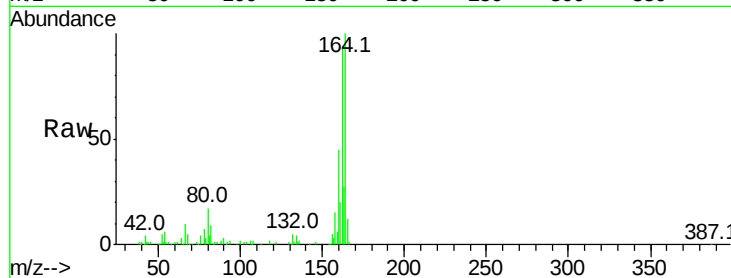




#56
2,4-Dinitrotoluene
Concen: 14.395 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

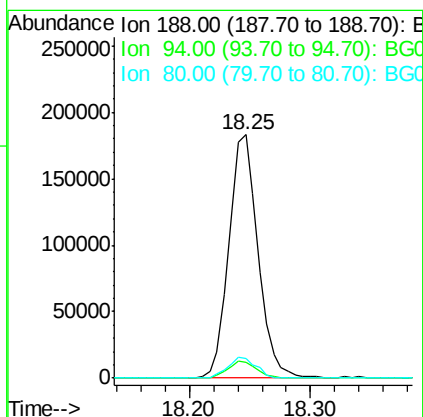
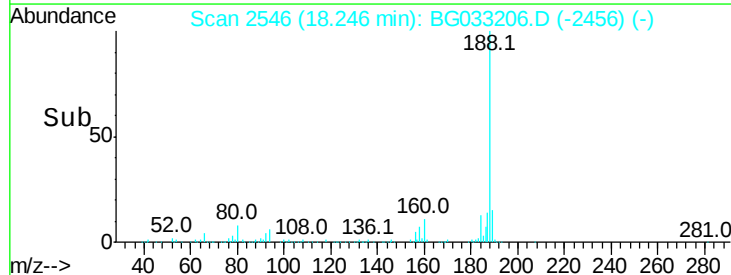
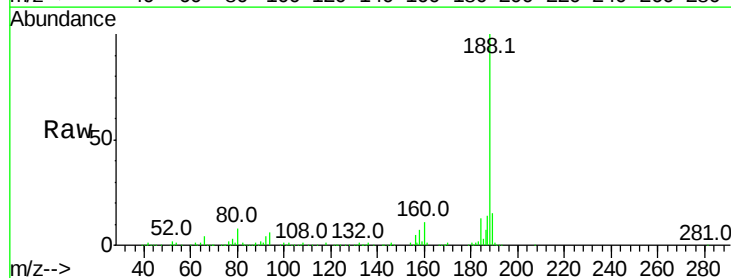
Instrument :
BNA_G
ClientSampleId :
4512-13

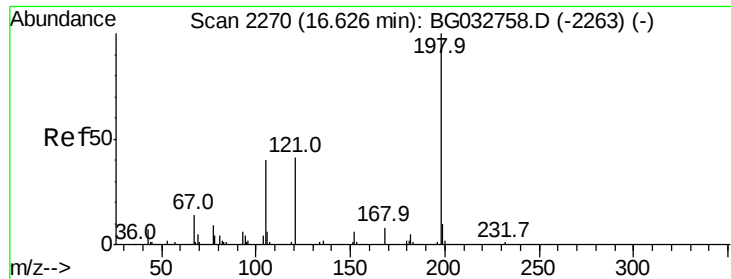
Tot Ion:165 Resp: 14946
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033206.D
Acq: 16 Mar 2018 19:16

Tgt Ion:188 Resp: 308668
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 8.3 7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 6.386 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

Instrument :

BNA_G

ClientSampled :

4512-13

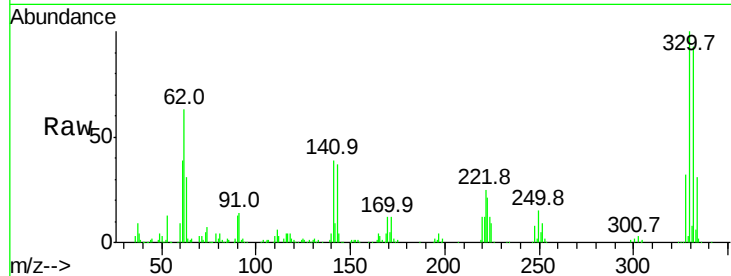
Tot Ion:198 Resp: 1049

Ion Ratio Lower Upper

198 100

51 66.6 30.6 70.6

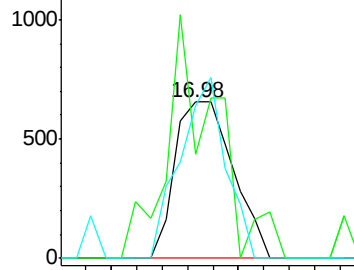
105 97.3 23.8 63.8#



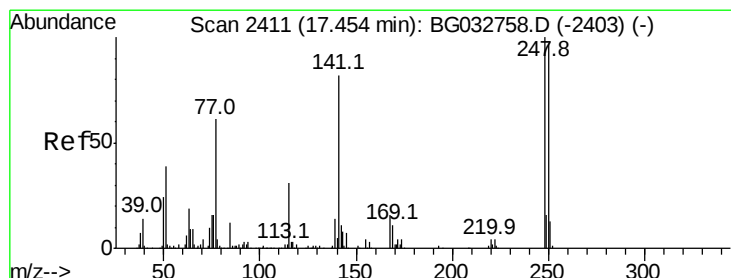
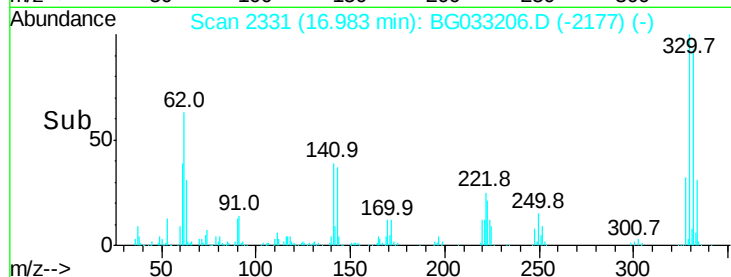
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 6.460 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

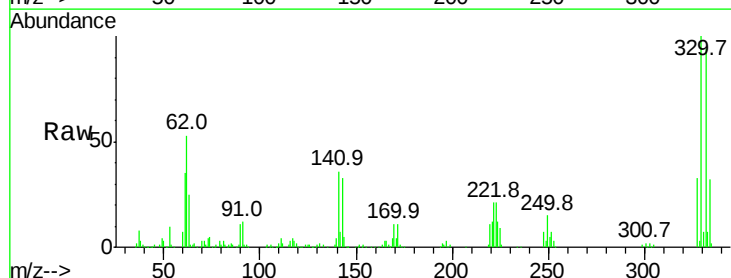
Tgt Ion:248 Resp: 21083

Ion Ratio Lower Upper

248 100

250 203.0 77.1 115.7#

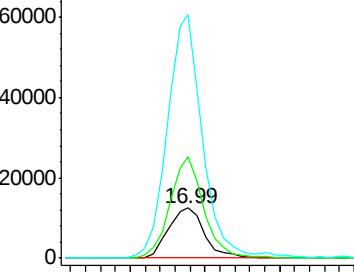
141 485.5 50.8 76.2#



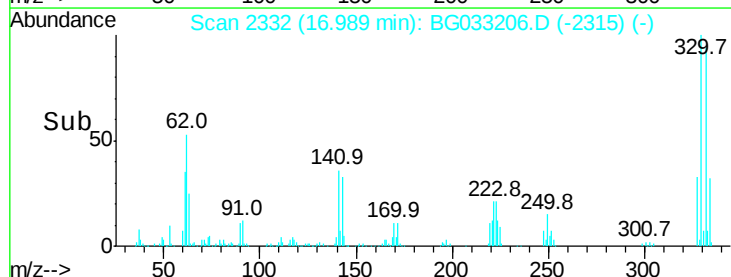
Abundance Ion 248.00 (247.70 to 248.70): E

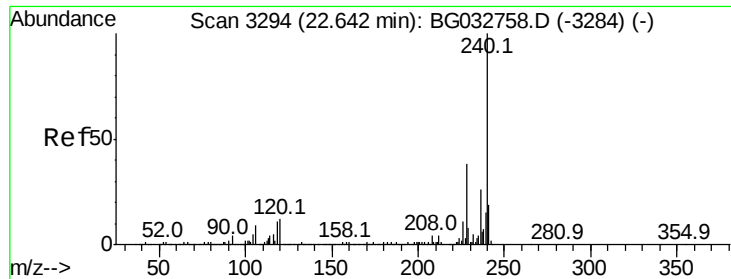
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

4512-13

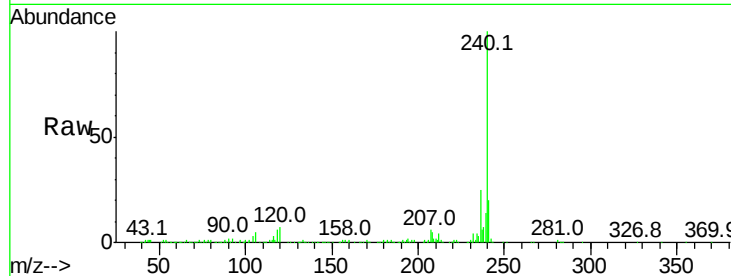
Tot Ion:240 Resp: 307874

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2#

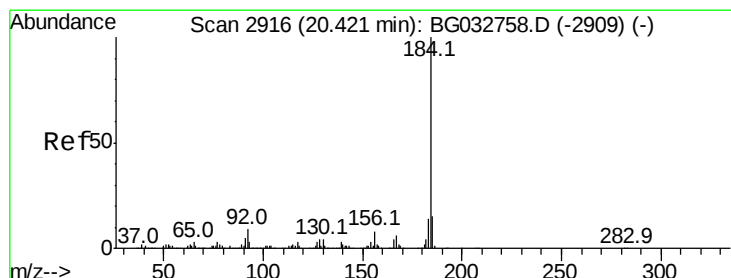
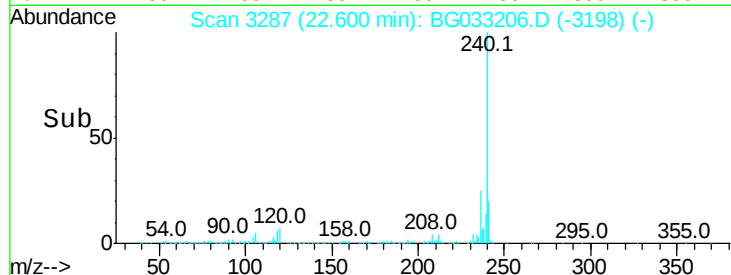
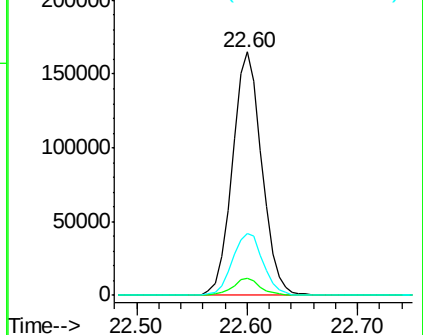
236 25.2 20.9 31.3



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: 2.524 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033206.D

Acq: 16 Mar 2018 19:16

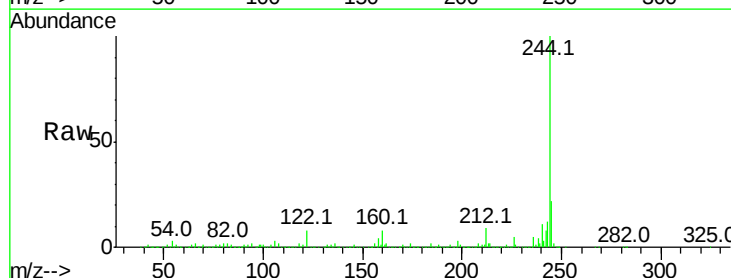
Tgt Ion:184 Resp: 26492

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

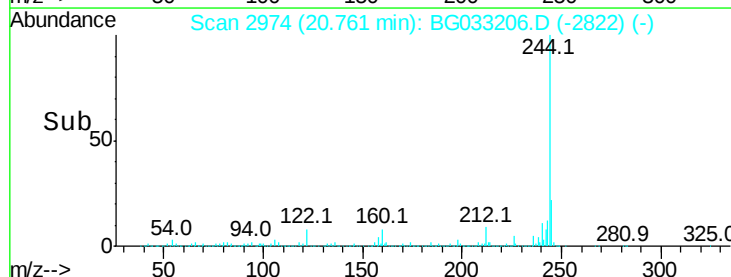
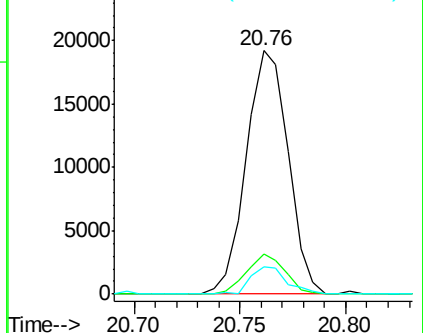
183 11.2 10.6 16.0

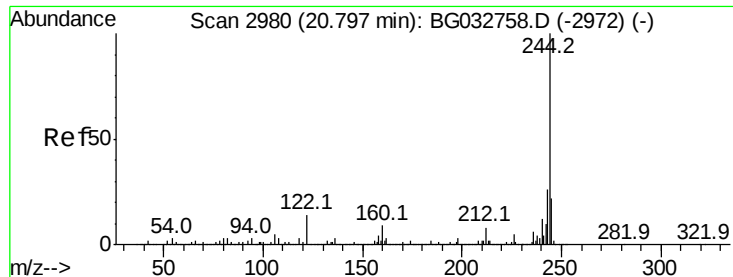


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

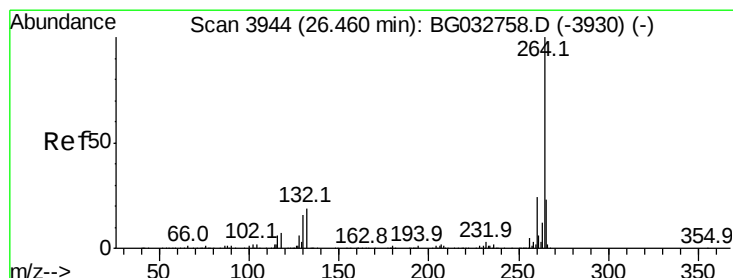
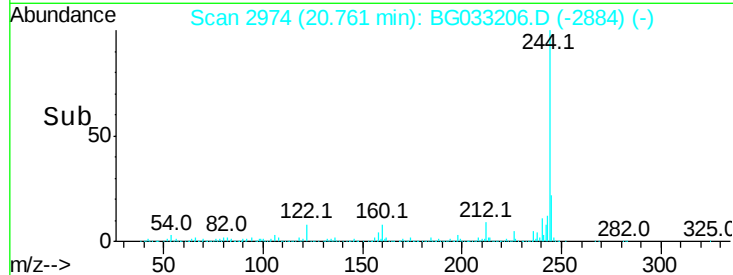
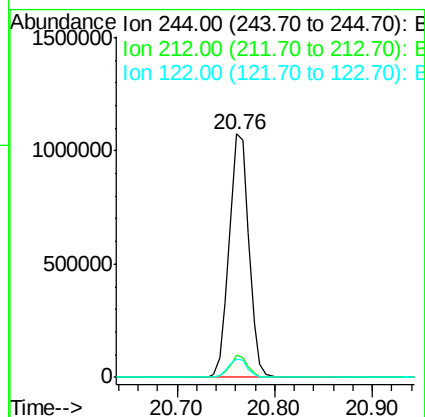
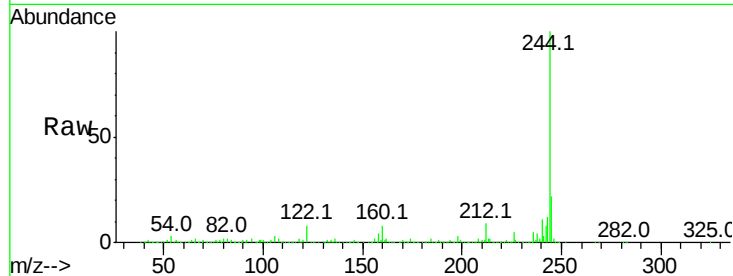




#78
 Terphenyl-d14
 Concen: 109.991 ng
 RT: 20.76 min Scan# 2974
 Delta R.T. -0.00 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Instrument :
 BNA_G
 ClientSampled :
 4512-13

Tot Ion:244 Resp: 1507235
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 7.6 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BG033206.D
 Acq: 16 Mar 2018 19:16

Tgt Ion:264 Resp: 327176
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.4 26.0
 265 21.0 17.7 26.5

