

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032812.D
 Acq On : 24 Feb 2018 5:38
 Operator : SJ/JU
 Sample : J1660-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 25 23:42:34 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

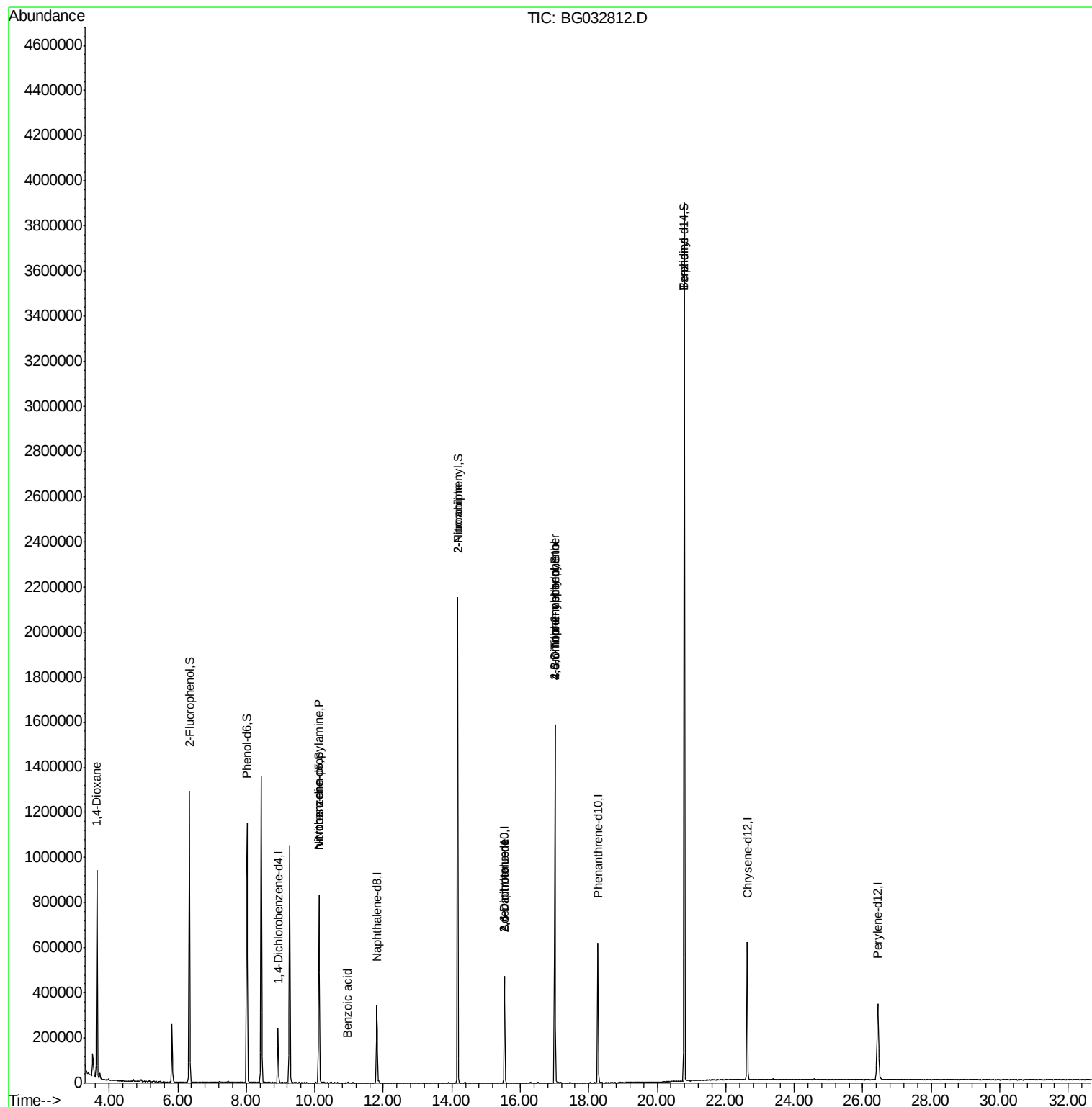
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	73075	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	304580	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	163867	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	378496	20.00	ng	0.00
75) Chrysene-d12	22.63	240	382308	20.00	ng	0.00
86) Perylene-d12	26.44	264	407803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	641569	140.46	ng	0.00
7) Phenol-d6	8.02	99	759626	119.31	ng	0.00
23) Nitrobenzene-d5	10.13	82	518202	114.21	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	287379	166.79	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1121885	98.74	ng	0.00
78) Terphenyl-d14	20.79	244	1718996	101.02	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.64	88	10245	5.17	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	68619	15.27	ng	# 82
24) Nitrobenzene	10.13	77	1631	6.67	ng	# 33
32) Benzoic acid	10.97	122	507	6.03	ng	# 42
47) 2-Nitroaniline	14.17	65	1938	10.41	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	21204	16.40	ng	# 21
56) 2,4-Dinitrotoluene	15.54	165	21204	14.60	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	662	5.69	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	21397	5.35	ng	# 1
76) Benzidine	20.79	184	30473	2.34	ng	# 92

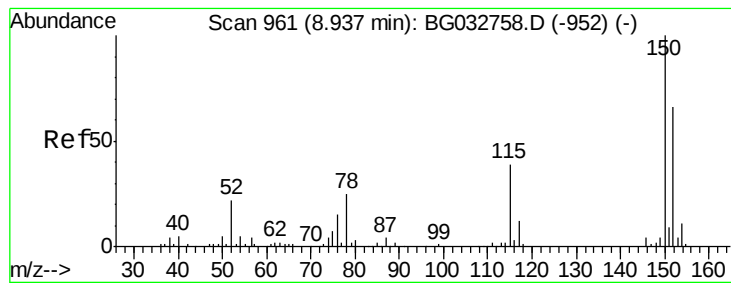
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 23 17:04:54 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.93 min Scan# 960

Delta R.T. 0.00 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampleId :

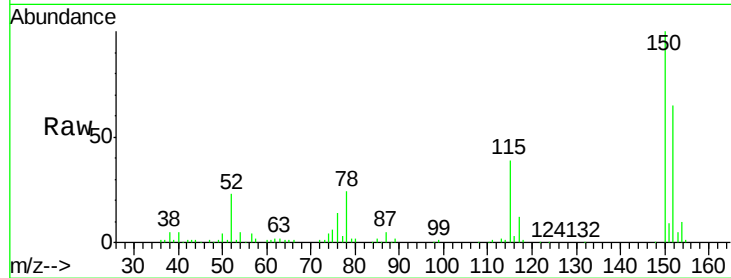
Tot Ion:152 Resp: 73075

Ion Ratio Lower Upper

152 100

150 153.3 126.6 189.8

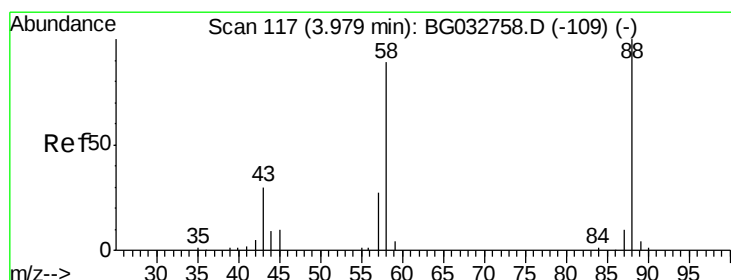
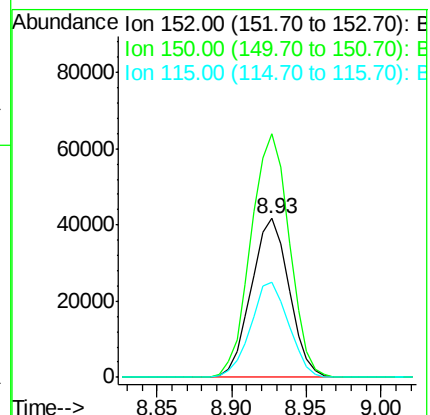
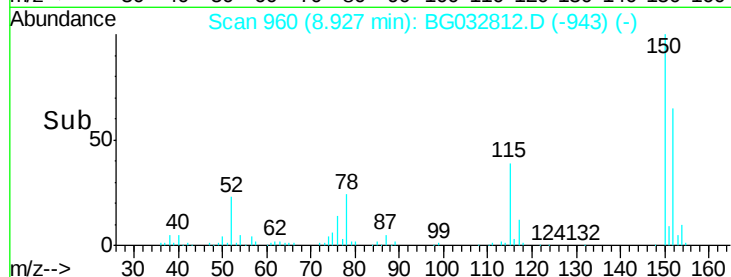
115 59.7 53.0 79.4



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



#2

1,4-Dioxane

Concen: 5.17 ng

RT: 3.64 min Scan# 60

Delta R.T. -0.33 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

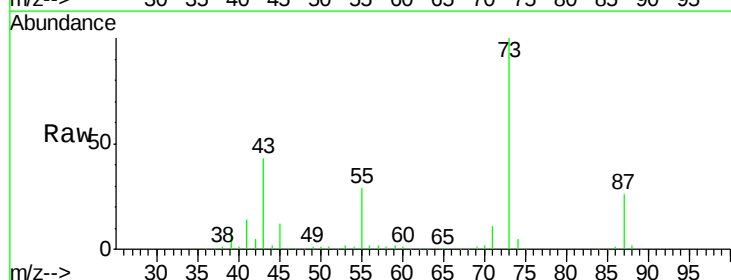
Tgt Ion: 88 Resp: 10245

Ion Ratio Lower Upper

88 100

58 28.8 79.6 119.4#

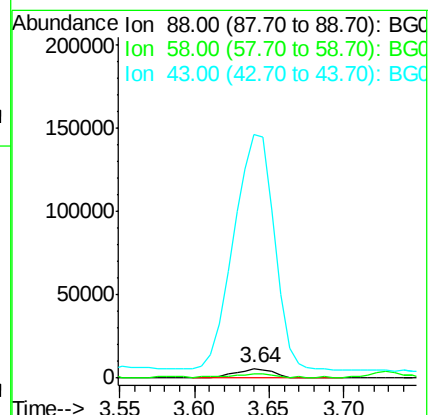
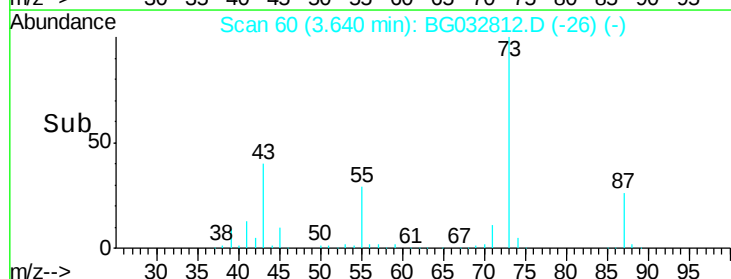
43 2663.4 27.4 41.0#

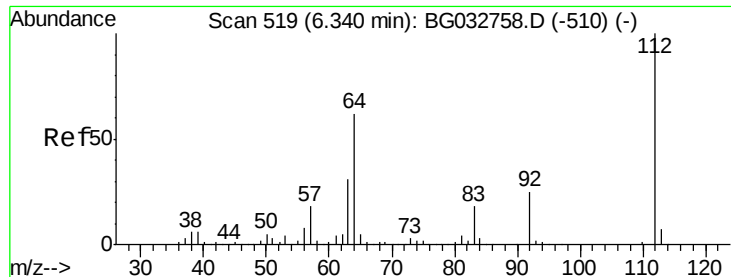


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 140.46 ng

RT: 6.34 min Scan# 520

Delta R.T. 0.01 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampled :

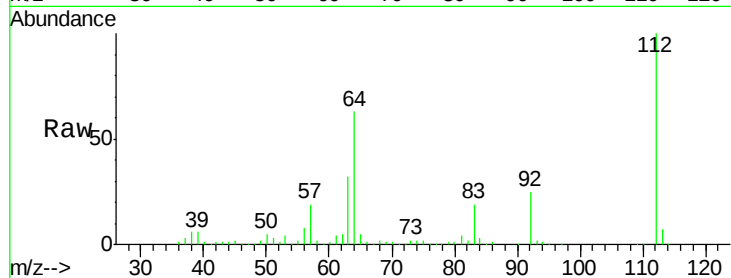
Tot Ion:112 Resp: 641569

Ion Ratio Lower Upper

112 100

64 62.7 56.3 84.5

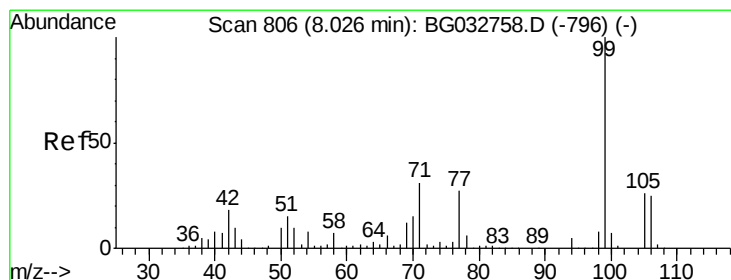
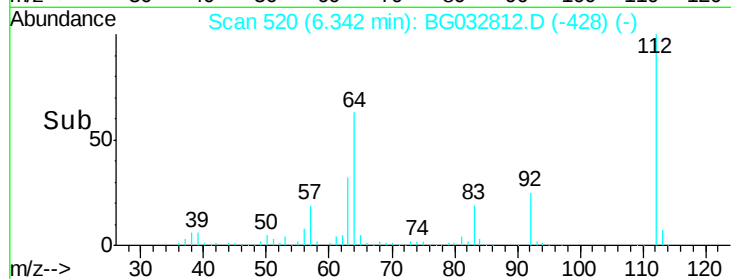
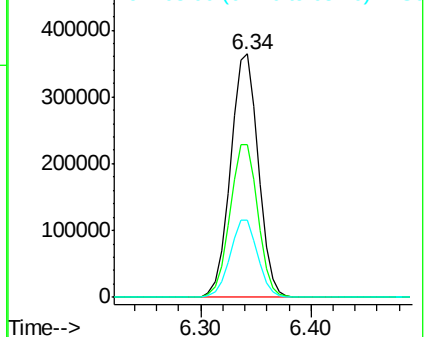
63 31.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 119.31 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

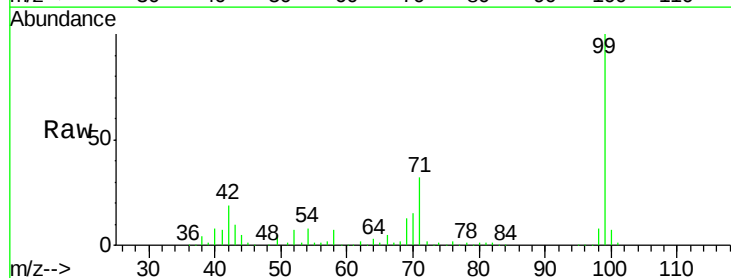
Tgt Ion: 99 Resp: 759626

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

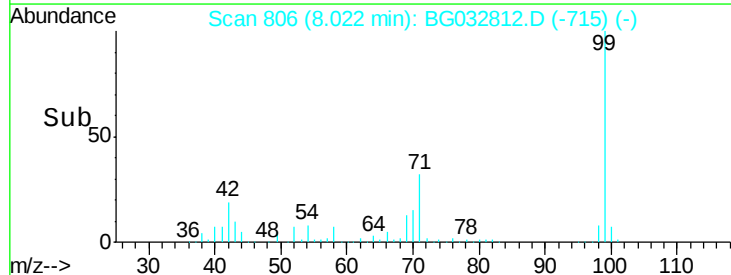
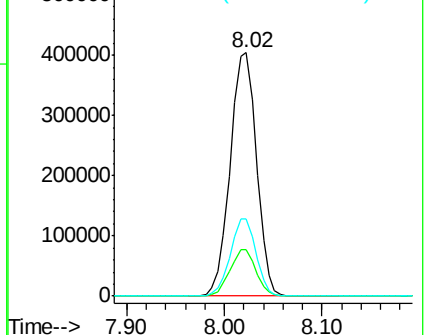
71 31.9 26.1 39.1

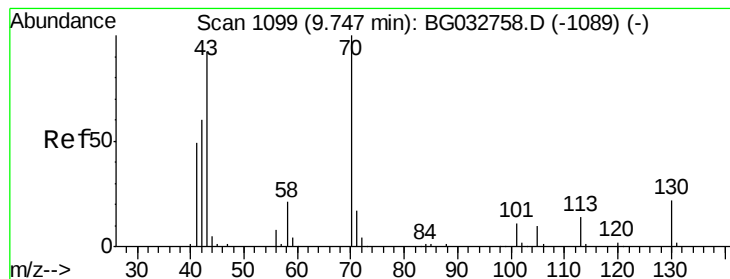


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.27 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 68619

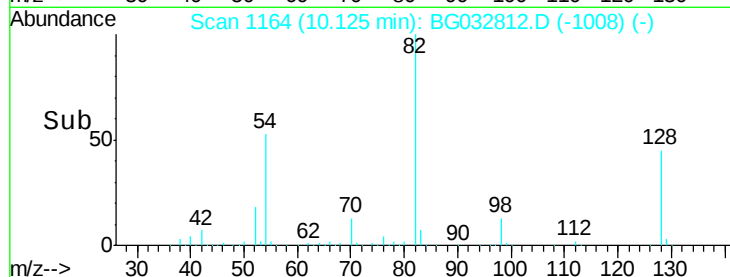
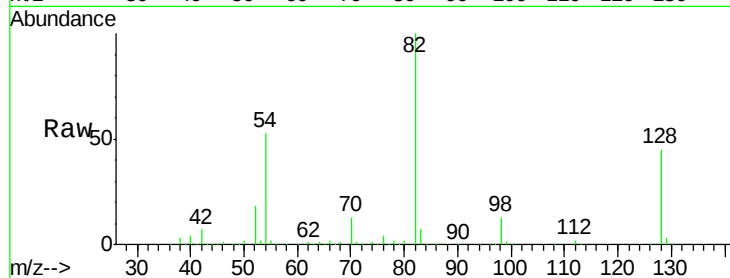
Ion Ratio Lower Upper

70 100

42 52.0 49.1 73.7

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

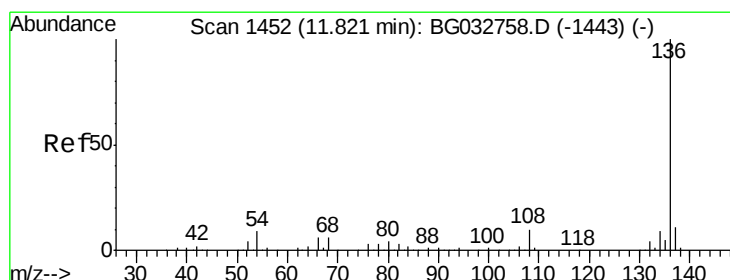
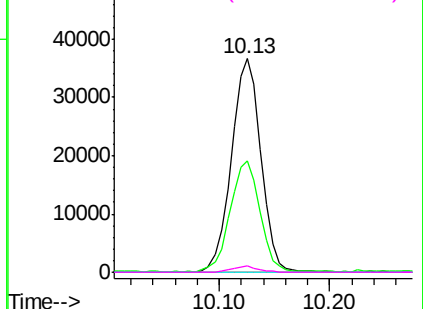


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.00 ng

RT: 11.81 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Tgt Ion: 136 Resp: 304580

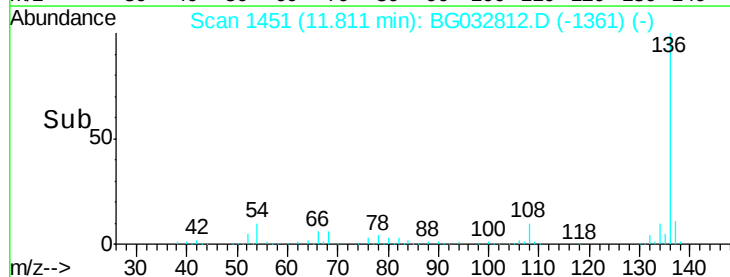
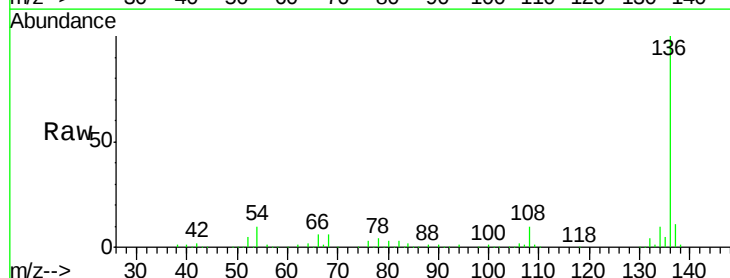
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 9.6 10.3 15.5#

68 6.2 4.5 6.7

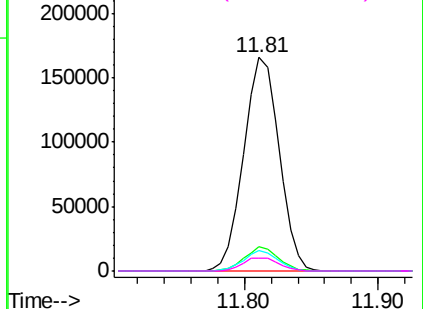


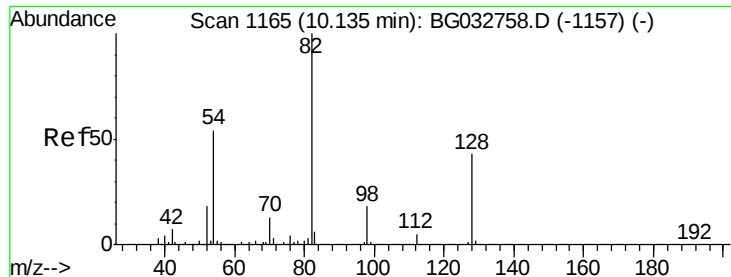
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

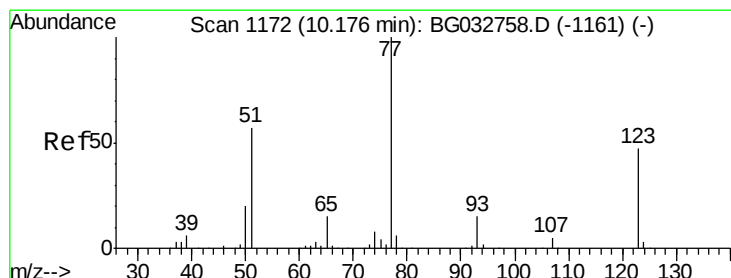
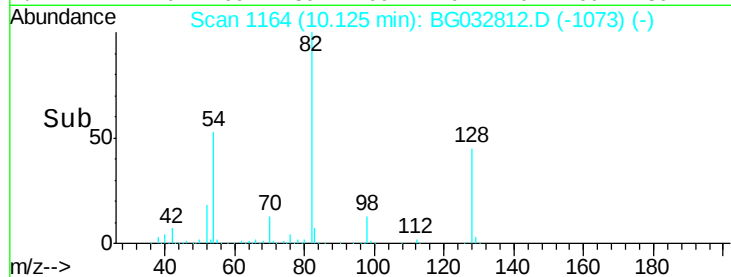
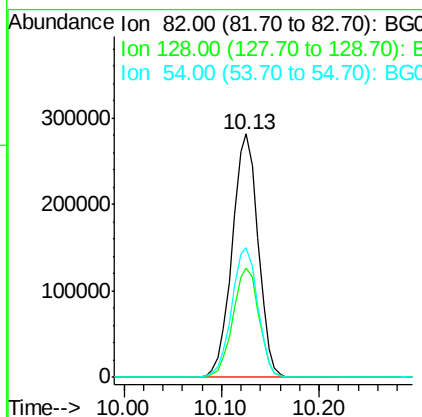
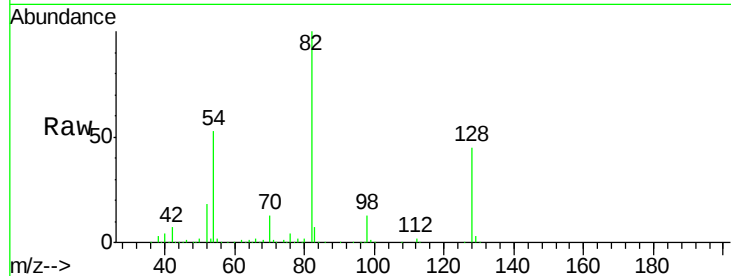




#23
 Nitrobenzene-d5
 Concen: 114.21 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032812.D
 Acq: 24 Feb 2018 5:38

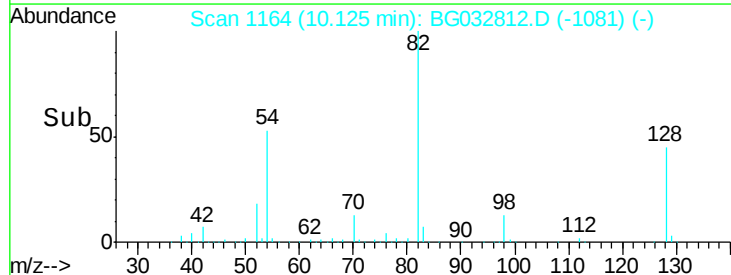
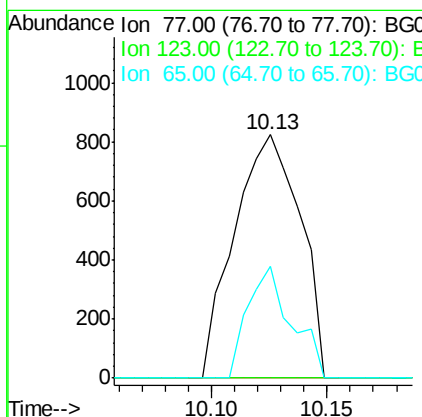
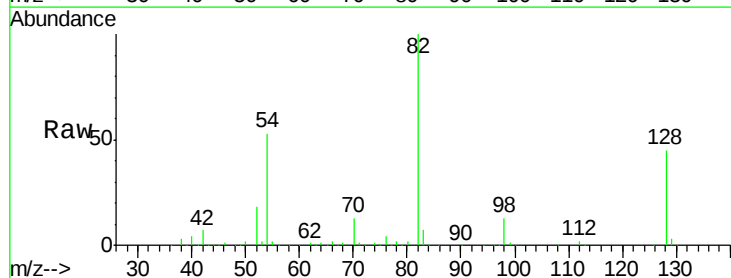
Instrument :
 BNA_G
 ClientSampled :

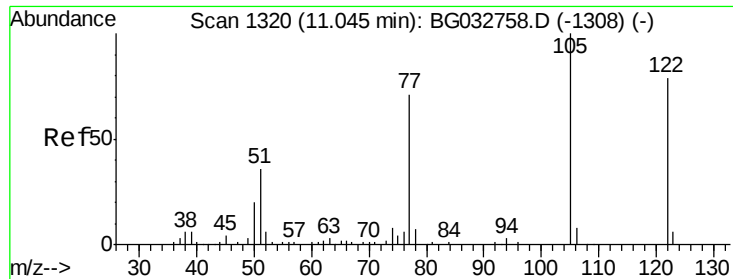
Tot Ion: 82 Resp: 518202
 Ion Ratio Lower Upper
 82 100
 128 45.0 29.7 44.5#
 54 53.4 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.67 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: BG032812.D
 Acq: 24 Feb 2018 5:38

Tgt Ion: 77 Resp: 1631
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 46.0 13.0 19.6#

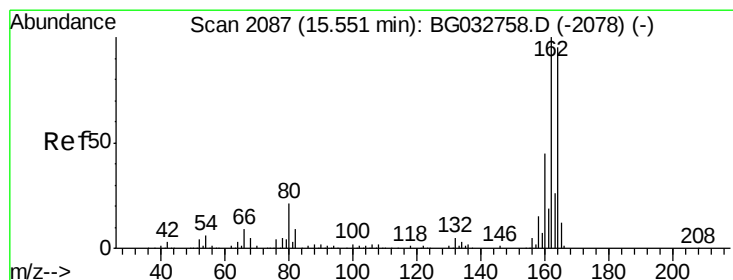
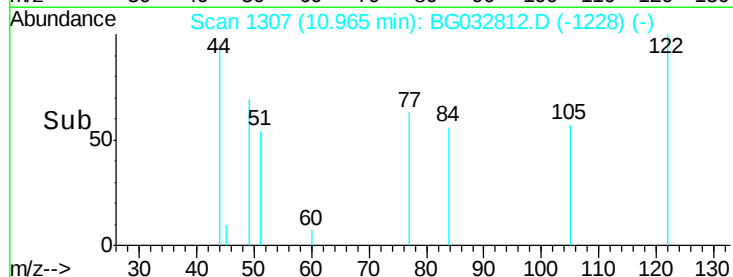
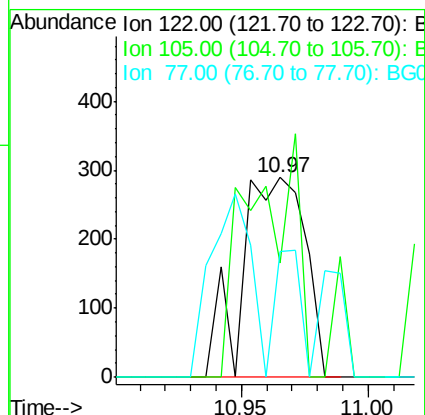
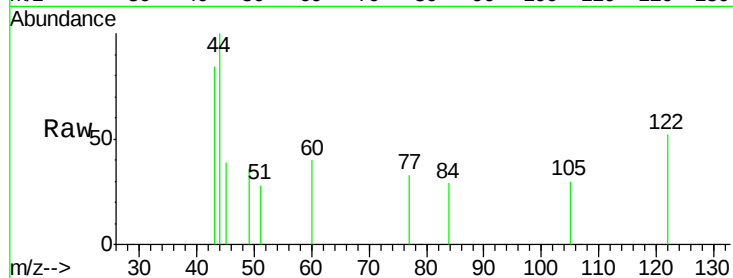




#32
Benzoic acid
Concen: 6.03 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.07 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

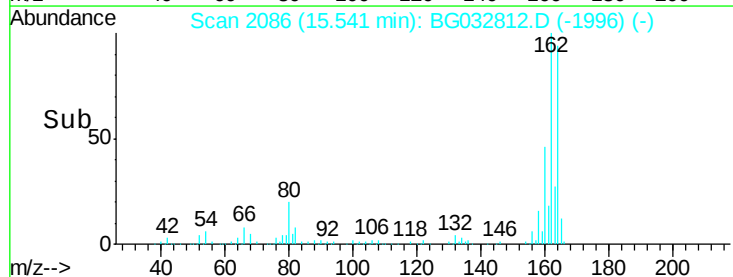
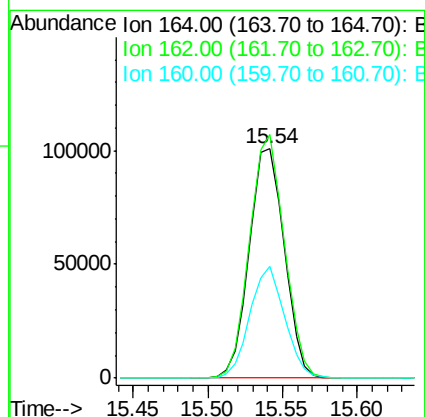
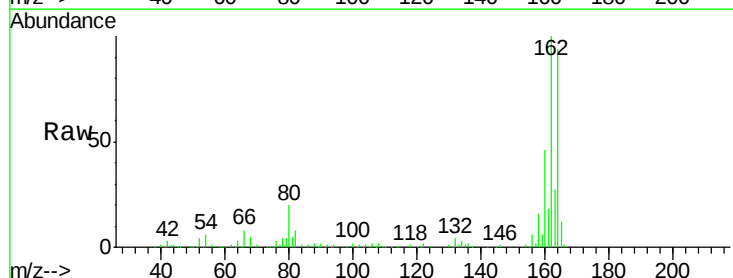
Instrument :
BNA_G
ClientSampled :

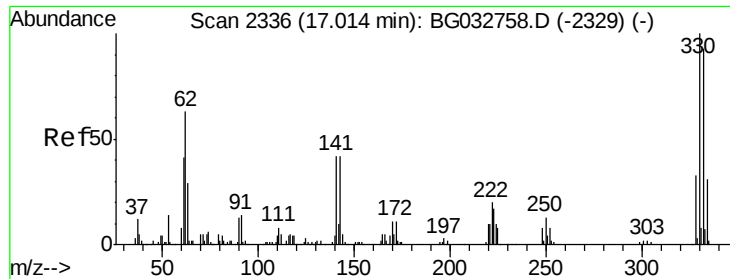
Tot Ion:122 Resp: 507
Ion Ratio Lower Upper
122 100
105 57.1 123.5 163.5#
77 63.3 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

Tgt Ion:164 Resp: 163867
Ion Ratio Lower Upper
164 100
162 106.1 78.8 118.2
160 48.7 35.4 53.0

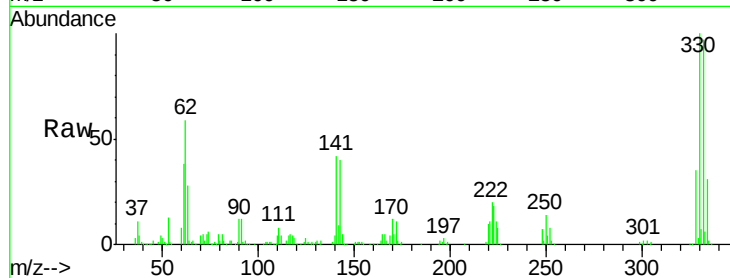




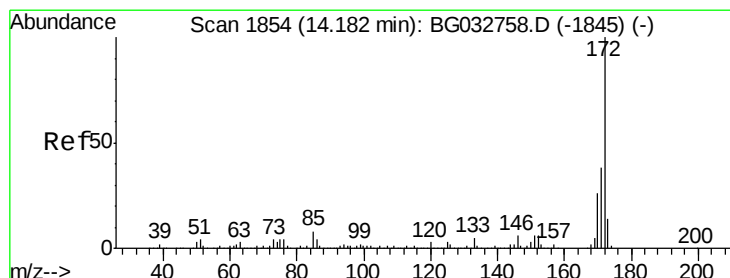
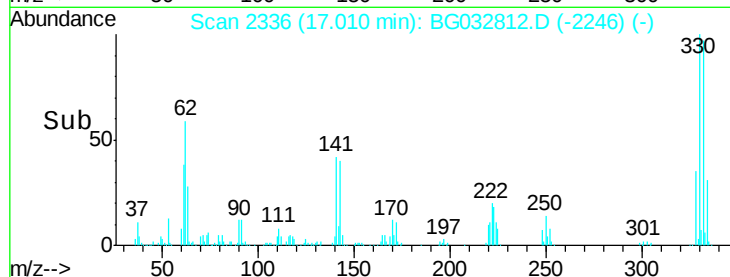
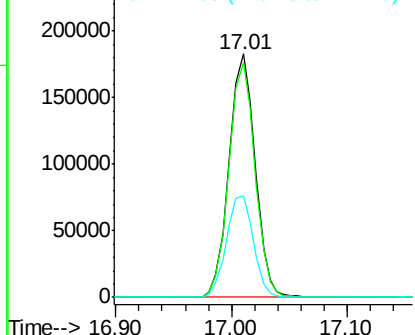
#41
 2,4,6-Tribromophenol
 Concen: 166.79 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032812.D
 Acq: 24 Feb 2018 5:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 287379
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 43.3 25.2 37.8#

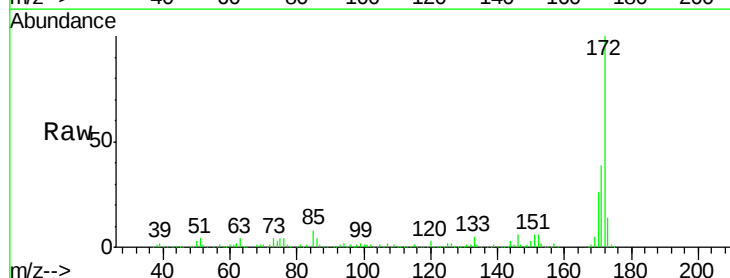


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

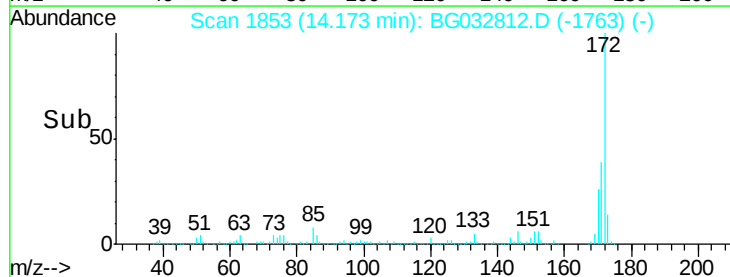
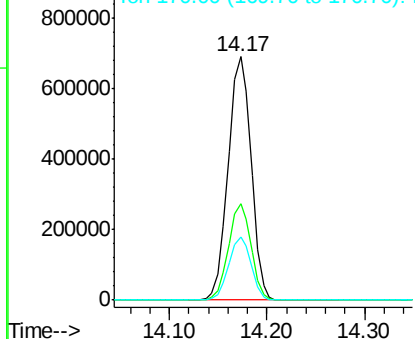


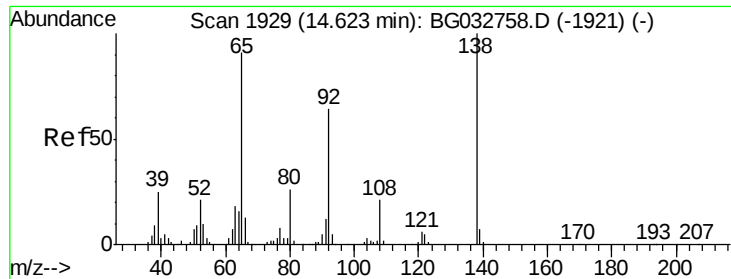
#44
 2-Fluorobiphenyl
 Concen: 98.74 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032812.D
 Acq: 24 Feb 2018 5:38

Tgt Ion:172 Resp: 1121885
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.0 45.0
 170 25.8 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

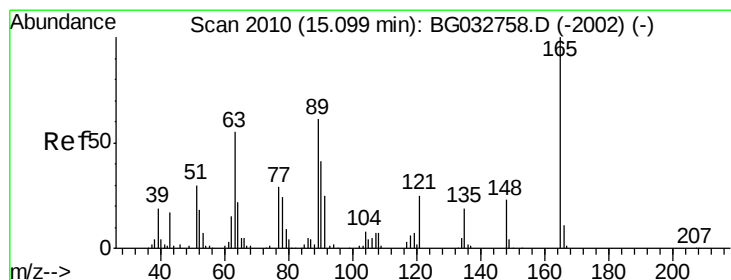
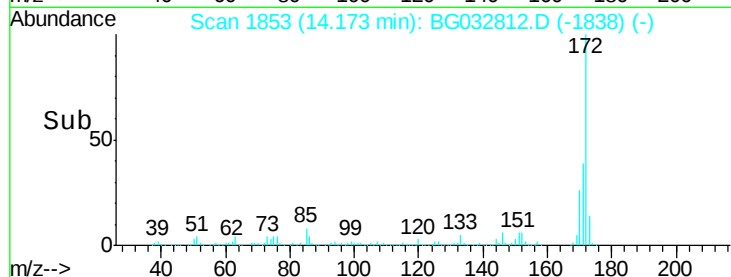
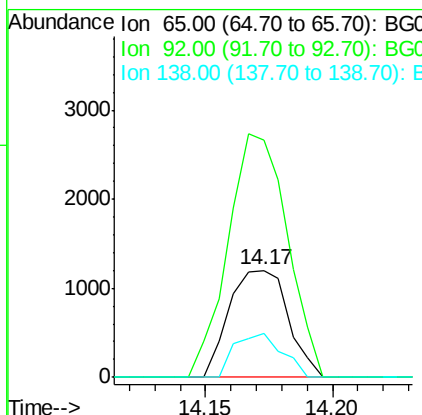
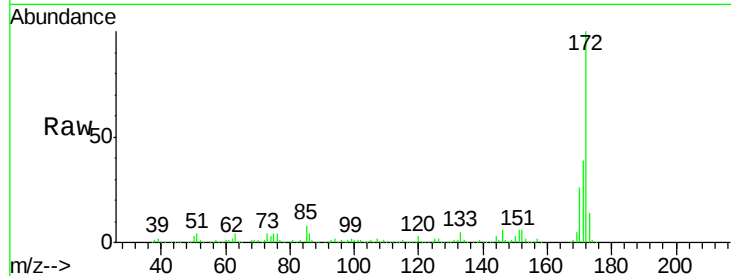




#47
2-Nitroaniline
Concen: 10.41 ng
RT: 14.17 min Scan# 1853
Delta R.T. -0.44 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

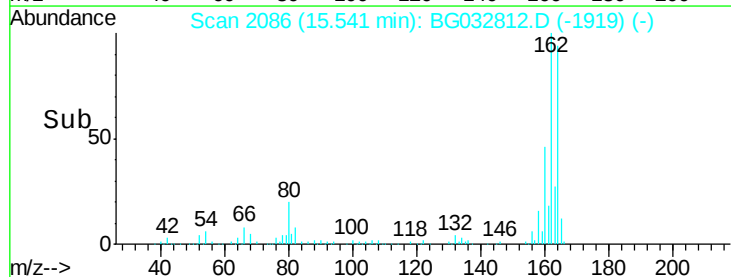
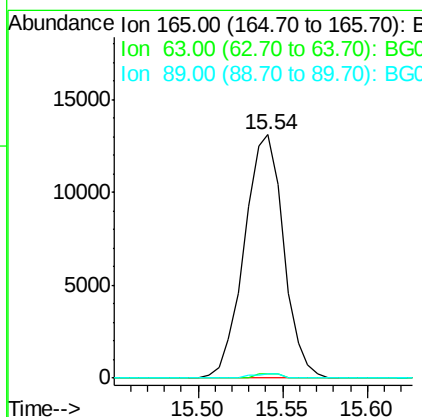
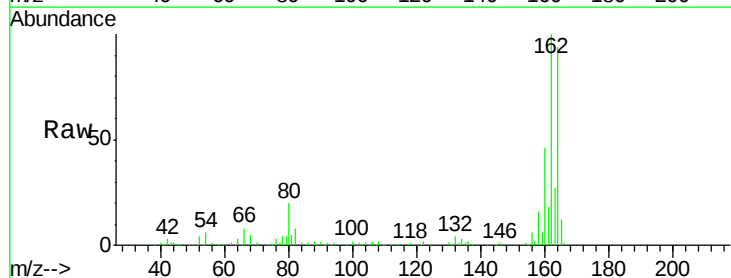
Instrument :
BNA_G
ClientSampleId :

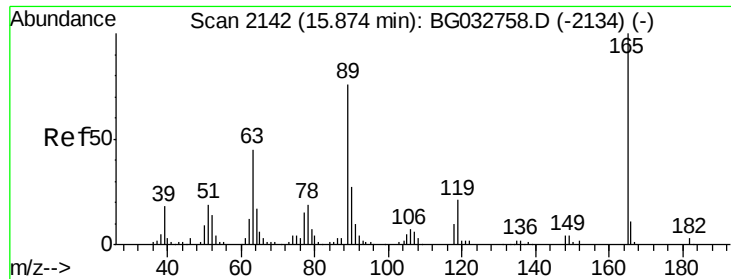
Tot Ion: 65 Resp: 1938
Ion Ratio Lower Upper
65 100
92 222.8 54.6 82.0#
138 40.9 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.40 ng
RT: 15.54 min Scan# 2086
Delta R.T. 0.45 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

Tgt Ion:165 Resp: 21204
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 1.5 49.2 73.8#

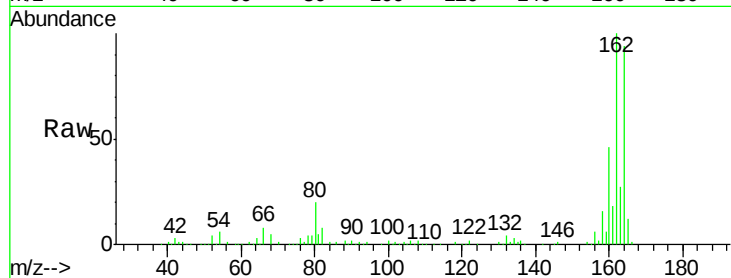




#56
2,4-Dinitrotoluene
Concen: 14.60 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.33 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#

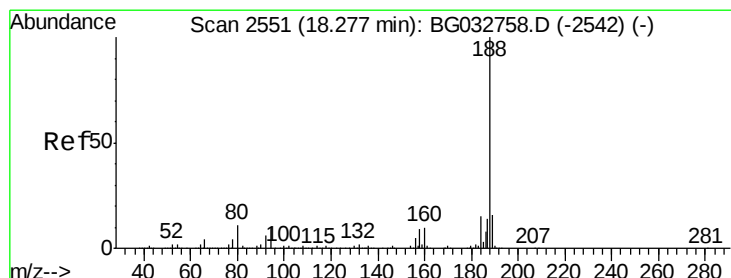
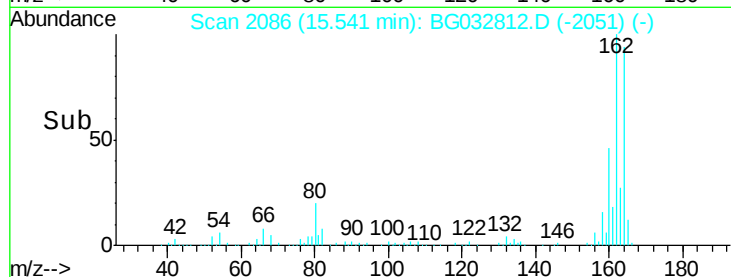
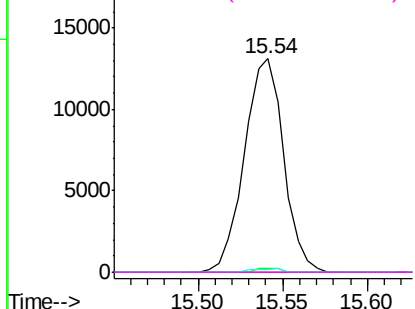


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

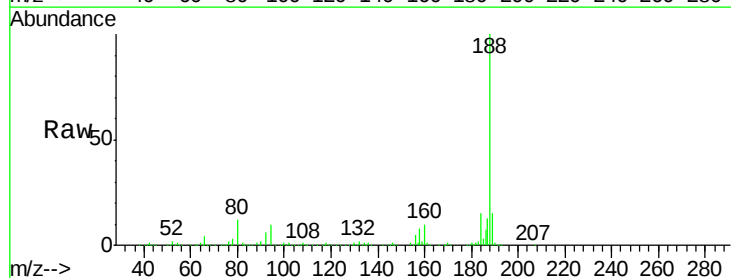
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BG032812.D
Acq: 24 Feb 2018 5:38

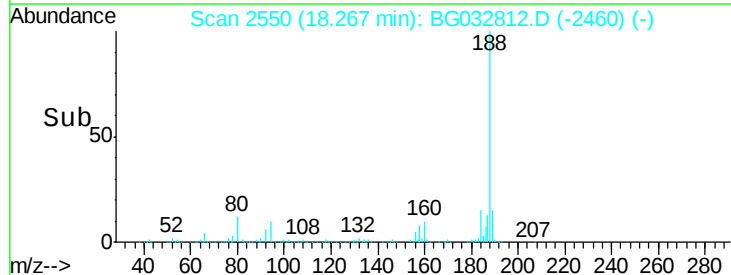
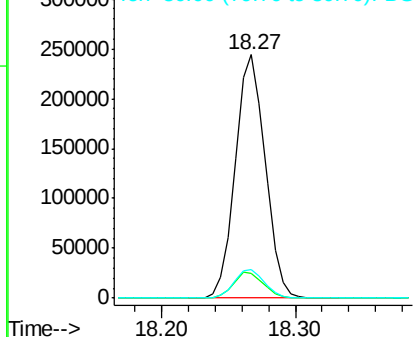
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.9	10.3
80	11.8	7.7	11.5#

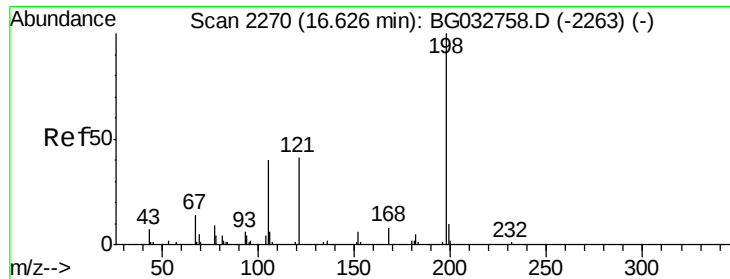


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.69 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampleId :

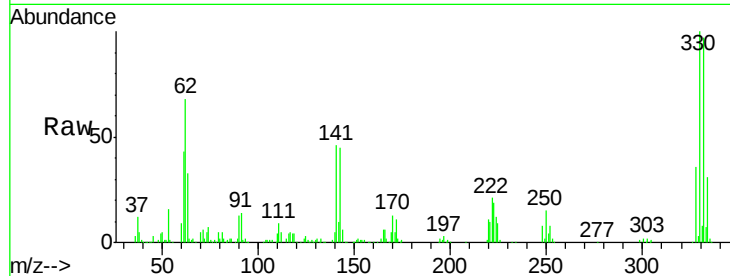
Tot Ion:198 Resp: 662

Ion Ratio Lower Upper

198 100

51 194.3 30.6 70.6#

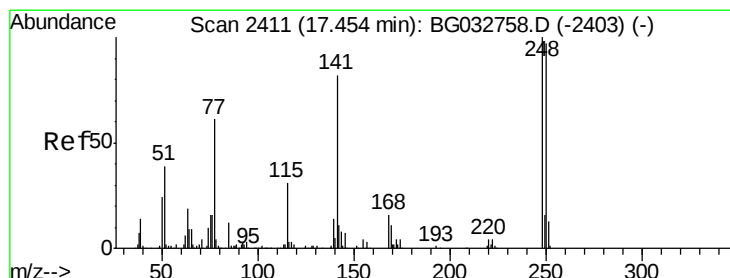
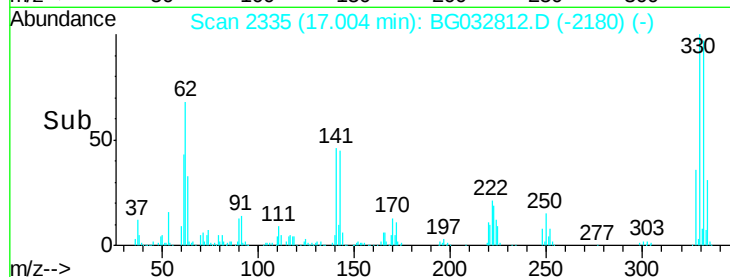
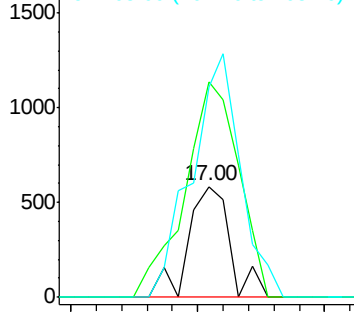
105 190.1 23.8 63.8#



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: 5.35 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.43 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

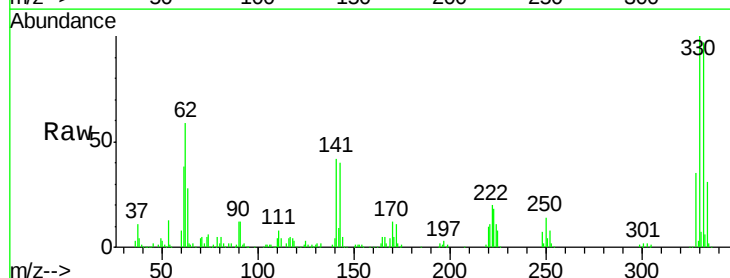
Tgt Ion:248 Resp: 21397

Ion Ratio Lower Upper

248 100

250 193.0 77.1 115.7#

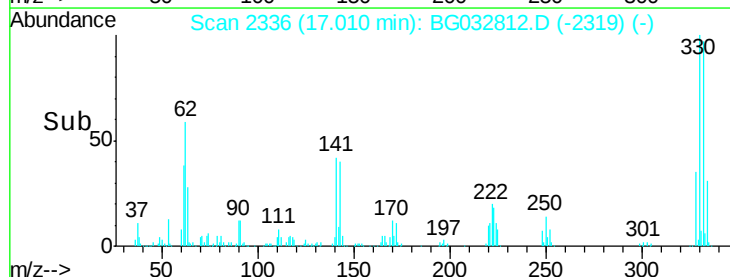
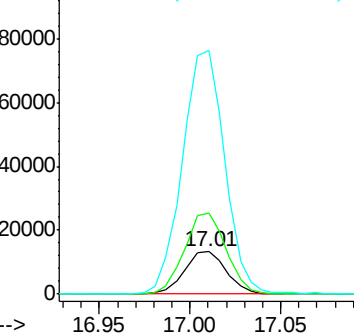
141 575.9 50.8 76.2#

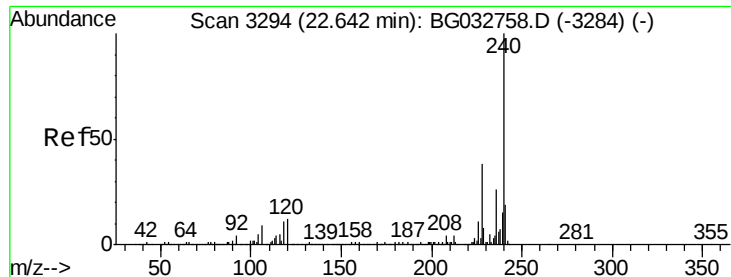


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.63 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampled :

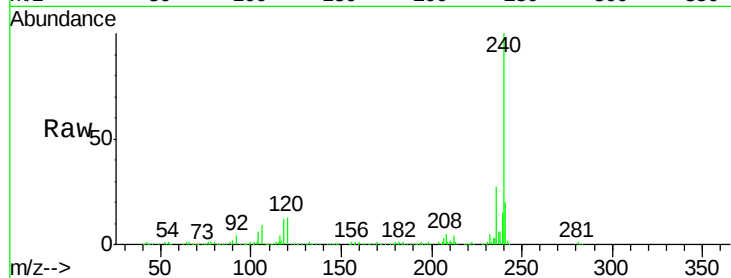
Tot Ion:240 Resp: 382308

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

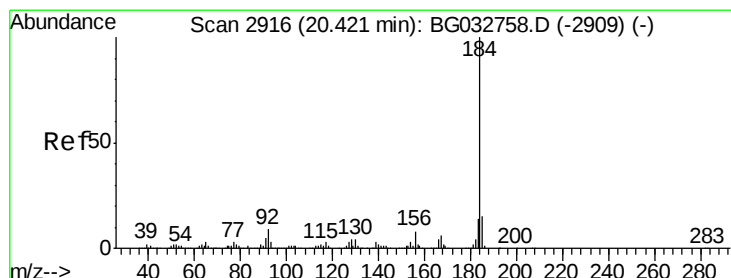
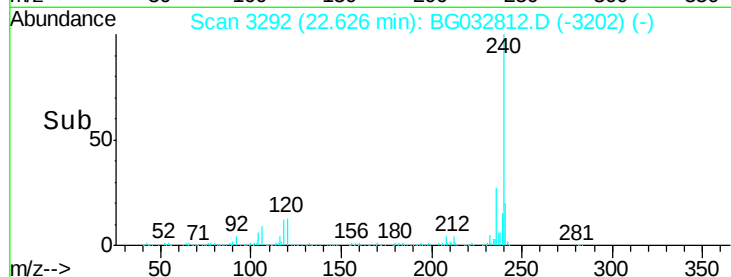
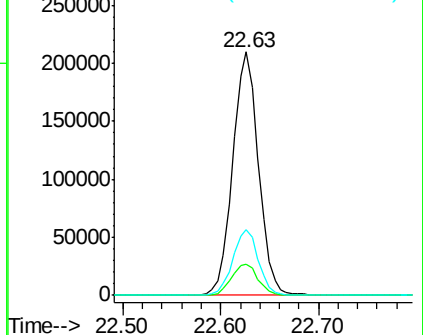
236 27.2 20.9 31.3



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: 2.34 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

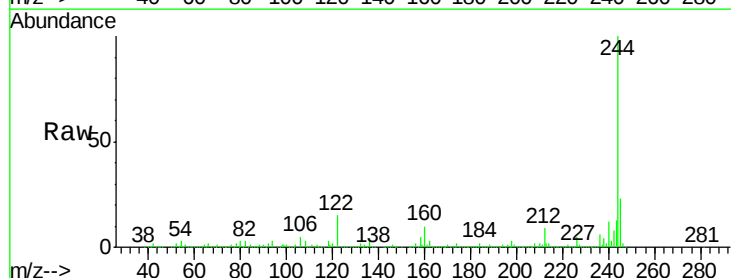
Tgt Ion:184 Resp: 30473

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

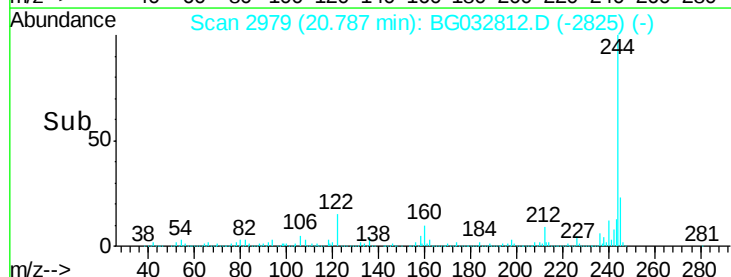
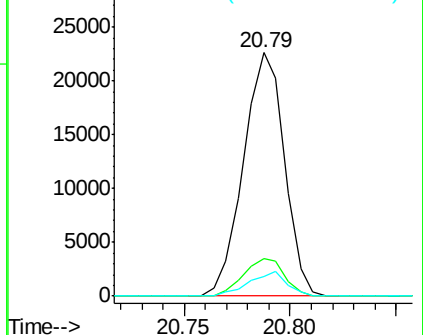
183 8.3 10.6 16.0#

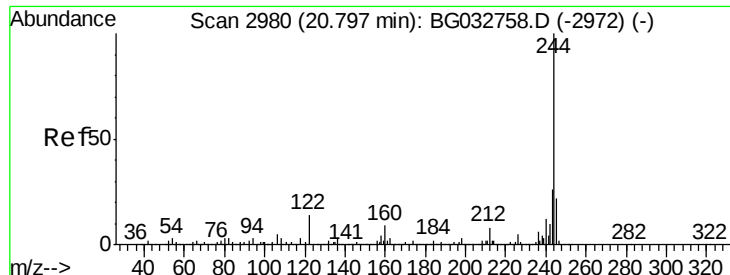


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.02 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

Instrument :

BNA_G

ClientSampleId :

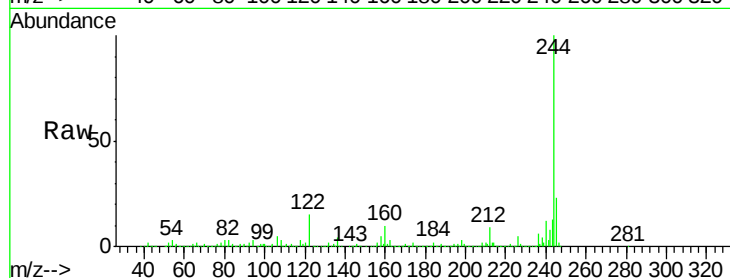
Tot Ion:244 Resp: 1718996

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

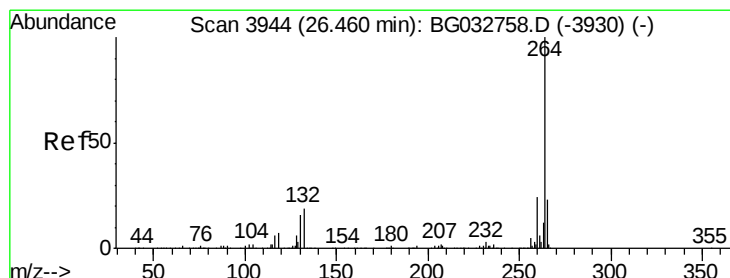
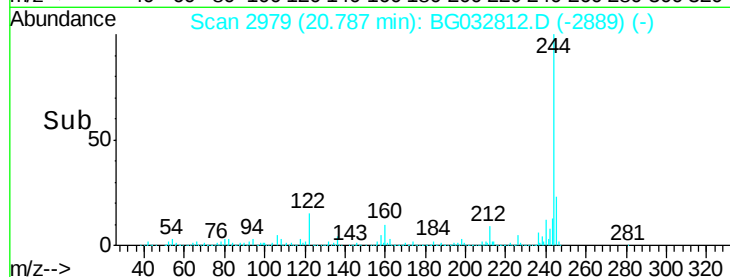
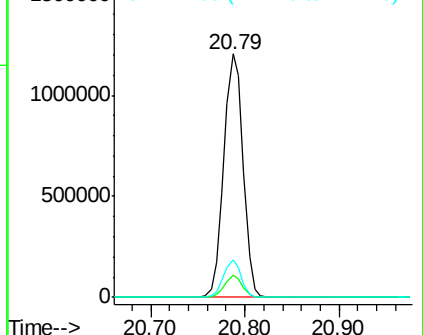
122 15.3 7.0 10.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.01 min

Lab File: BG032812.D

Acq: 24 Feb 2018 5:38

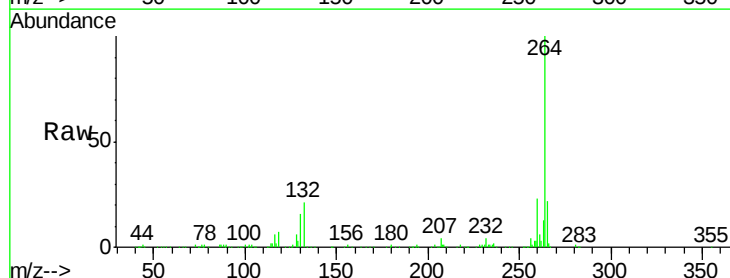
Tgt Ion:264 Resp: 407803

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.6 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

