

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032800.D
 Acq On : 23 Feb 2018 21:27
 Operator : SJ/JU
 Sample : J1660-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 23 22:19:51 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

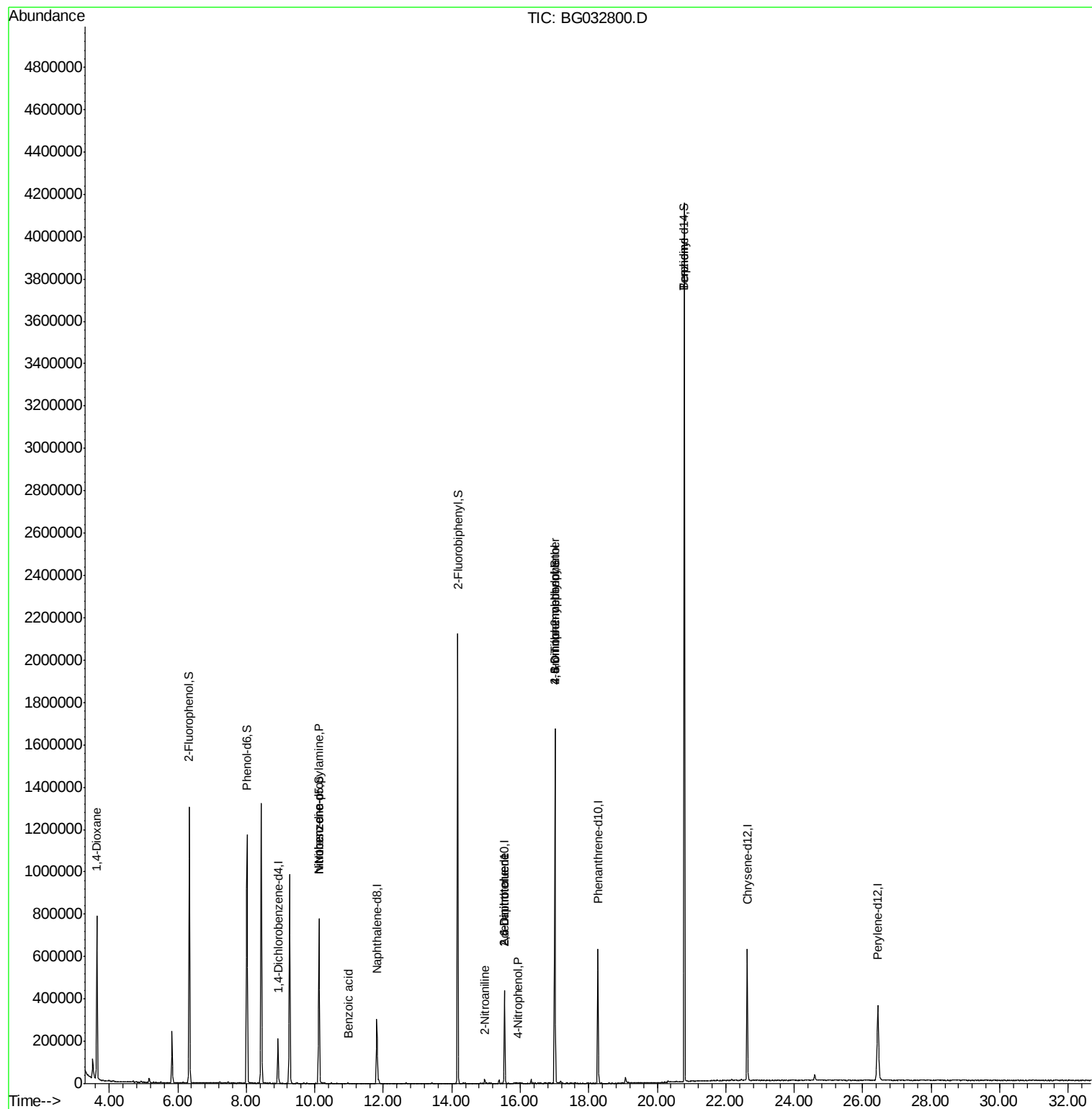
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	64254	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	275073	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	154238	20.00	ng	0.00
63) Phenanthrene-d10	18.27	188	380977	20.00	ng	0.00
75) Chrysene-d12	22.63	240	392176	20.00	ng	0.00
86) Perylene-d12	26.44	264	409928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	633715	157.79	ng	0.00
7) Phenol-d6	8.02	99	769841	137.52	ng	0.00
23) Nitrobenzene-d5	10.13	82	494690	120.16	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	309849	191.06	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1075527	100.57	ng	0.00
78) Terphenyl-d14	20.79	244	1831730	104.94	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.64	88	8243	4.73	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	63881	16.16	ng	# 85
24) Nitrobenzene	10.12	77	1178	6.61	ng	# 39
32) Benzoic acid	10.99	122	56	5.84	ng	# 1
47) 2-Nitroaniline	14.97	65	120	9.87	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	19580	16.26	ng	# 20
55) 4-Nitrophenol	15.92	139	72	7.11	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	19580	14.45	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	1012	6.07	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22016	5.47	ng	# 1
76) Benzidine	20.79	184	32180	2.41	ng	# 93

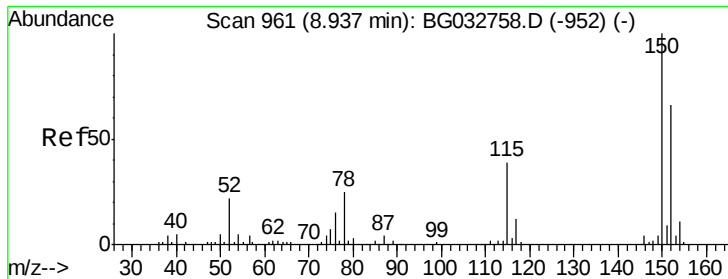
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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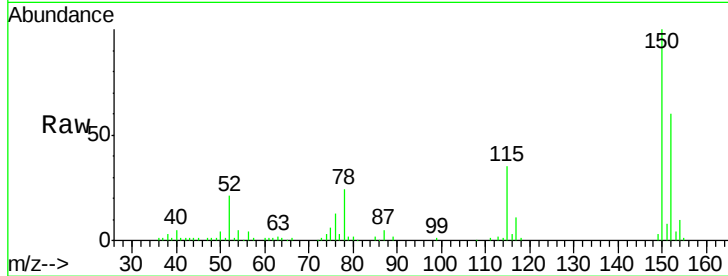


#1

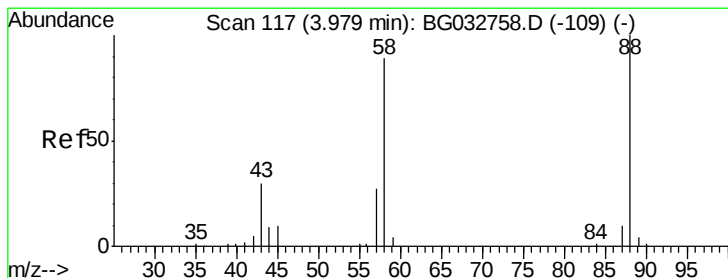
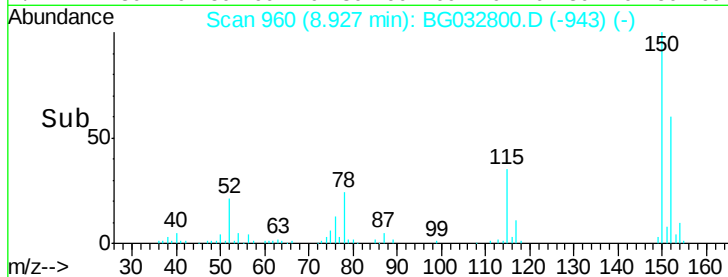
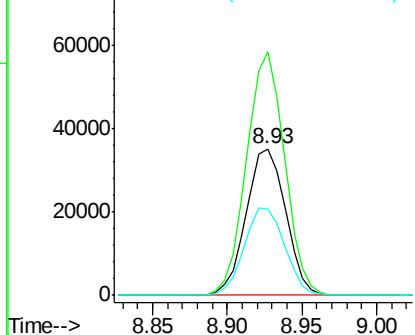
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.9	126.6	189.8
115	58.3	53.0	79.4



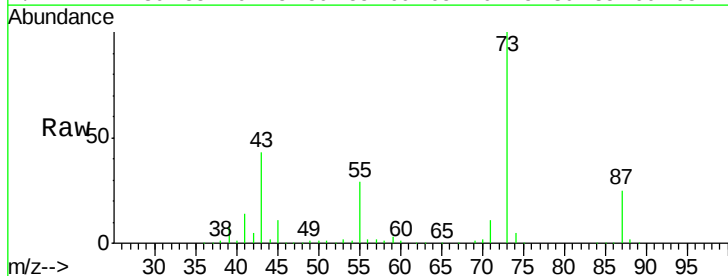
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



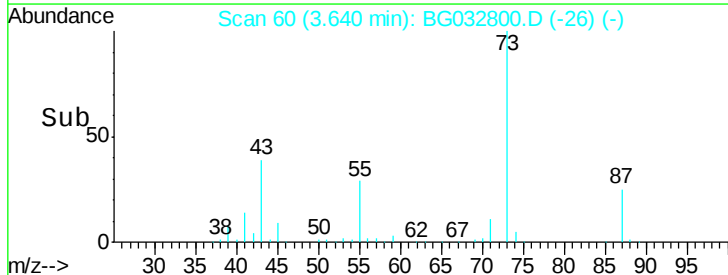
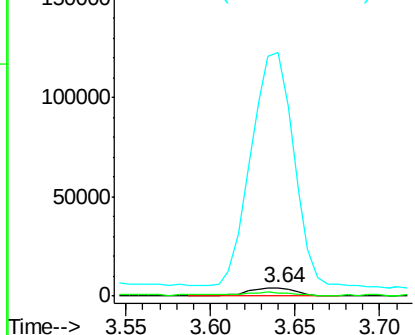
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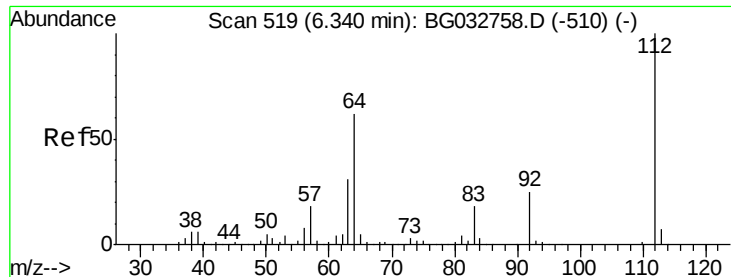
1,4-Dioxane
Concen: 4.73 ng
RT: 3.64 min Scan# 60
Delta R.T. -0.33 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	30.9	79.6	119.4#
43	2584.4	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: 157.79 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

Instrument :

BNA_G

ClientSampled :

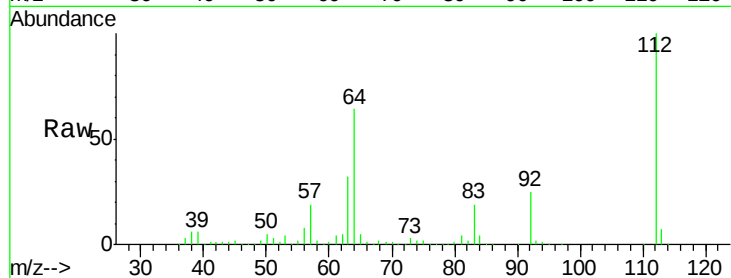
Tot Ion:112 Resp: 633715

Ion Ratio Lower Upper

112 100

64 64.3 56.3 84.5

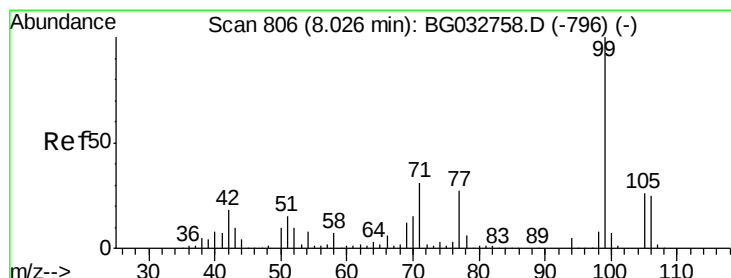
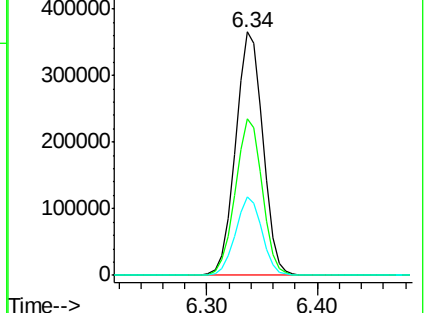
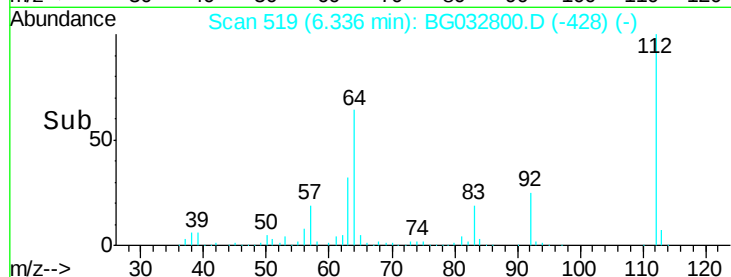
63 32.1 30.1 45.1



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: 137.52 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

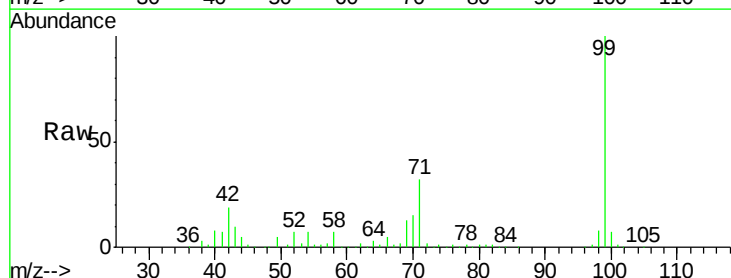
Tgt Ion: 99 Resp: 769841

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

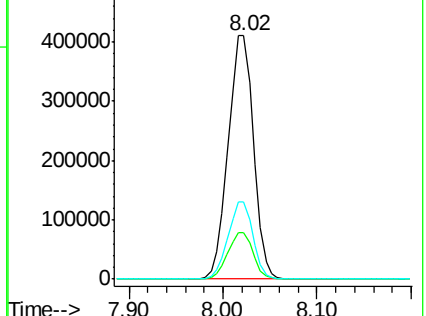
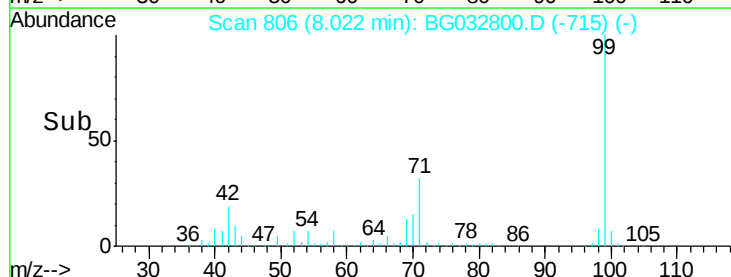
71 31.7 26.1 39.1

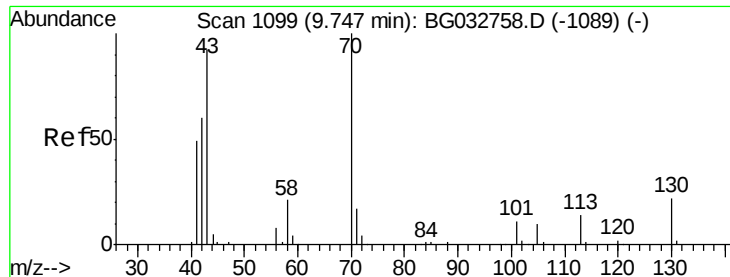


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

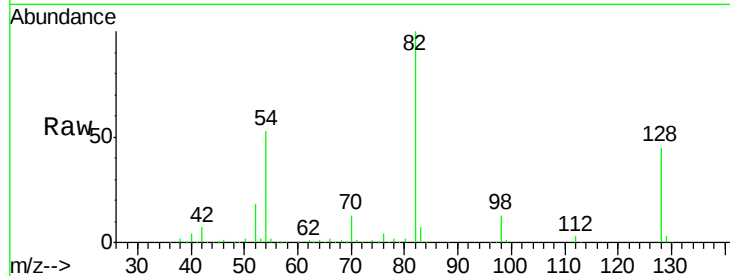




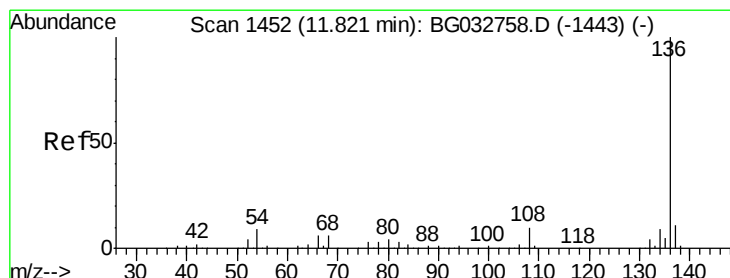
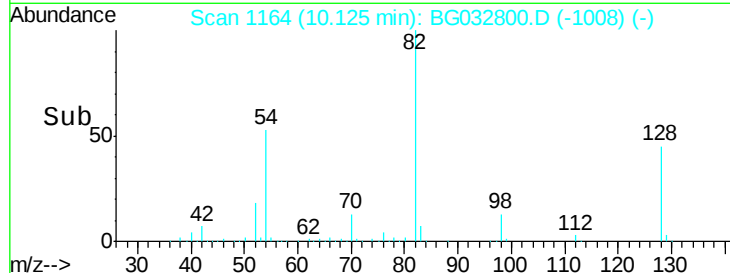
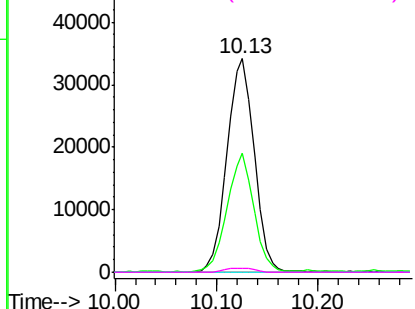
#19
n-Nitroso-di-n-propylamine
Concen: 16.16 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.38 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 63881
Ion Ratio Lower Upper
70 100
42 55.6 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



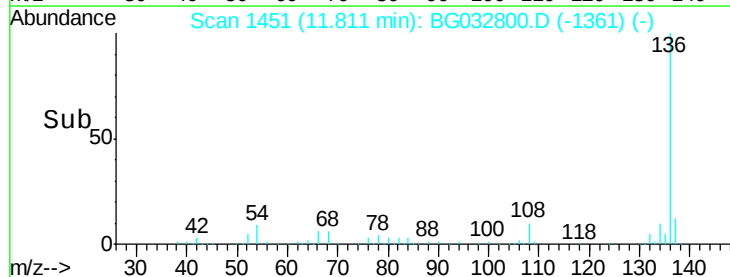
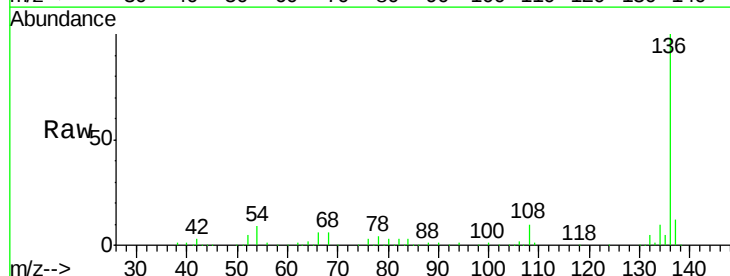
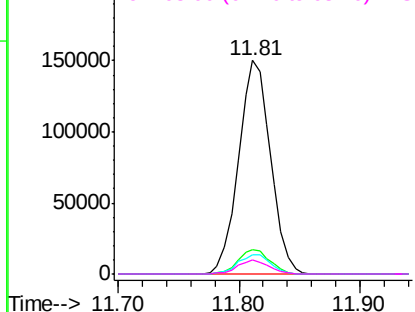
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

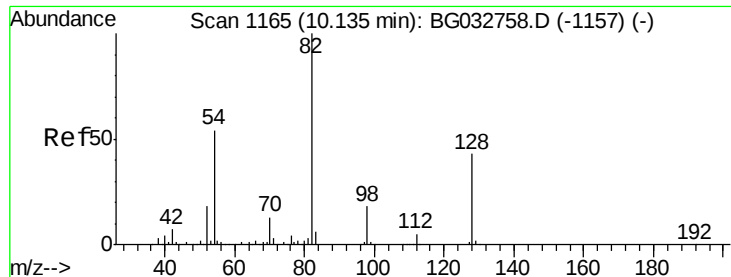


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Tgt Ion: 136 Resp: 275073
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 8.8 10.3 15.5#
68 6.3 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

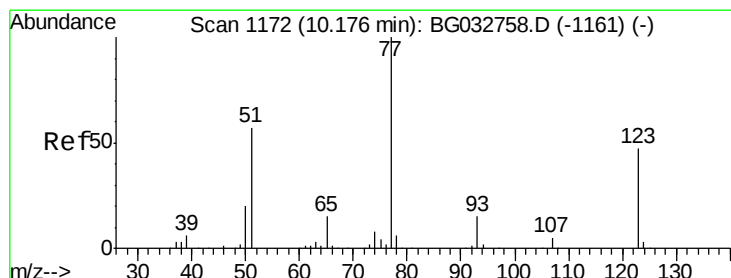
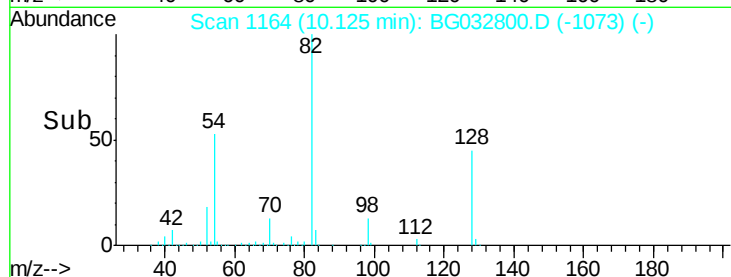
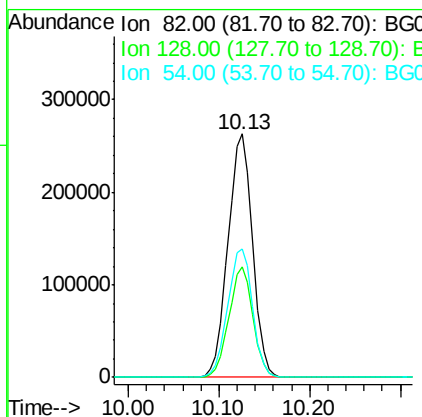
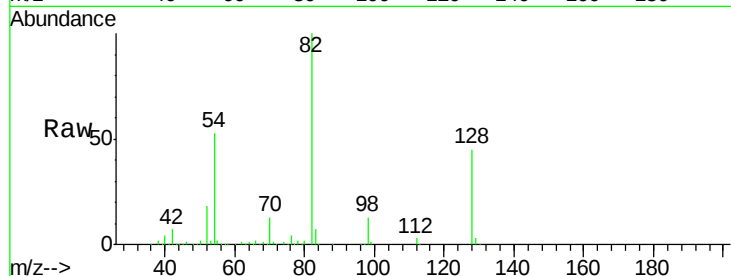




#23
 Nitrobenzene-d5
 Concen: 120.16 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

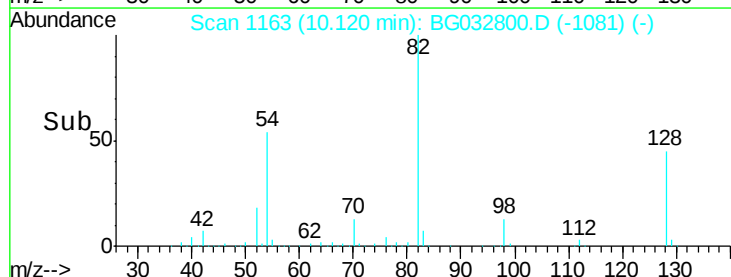
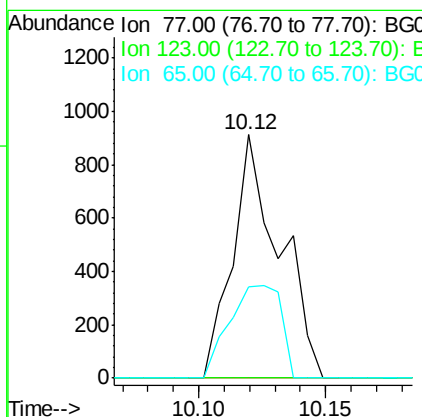
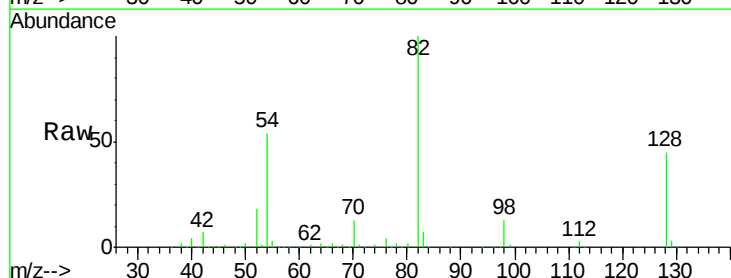
Instrument :
 BNA_G
 ClientSampleId :

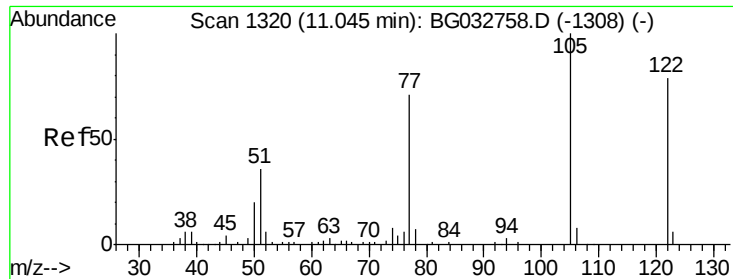
Tot Ion: 82 Resp: 494690
 Ion Ratio Lower Upper
 82 100
 128 45.3 29.7 44.5#
 54 52.5 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.61 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

Tgt Ion: 77 Resp: 1178
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 37.3 13.0 19.6#

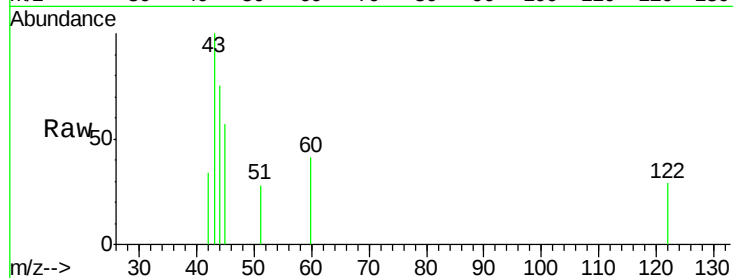




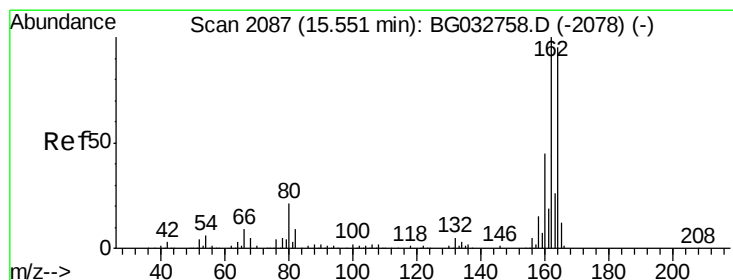
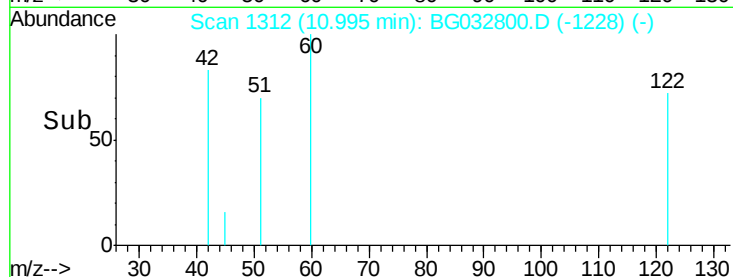
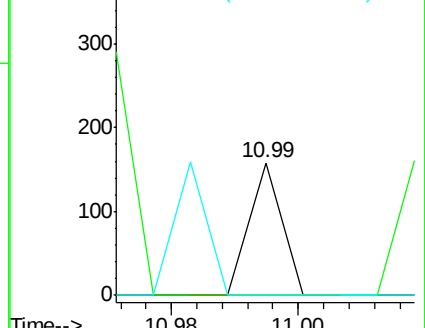
#32
Benzoic acid
Concen: 5.84 ng
RT: 10.99 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

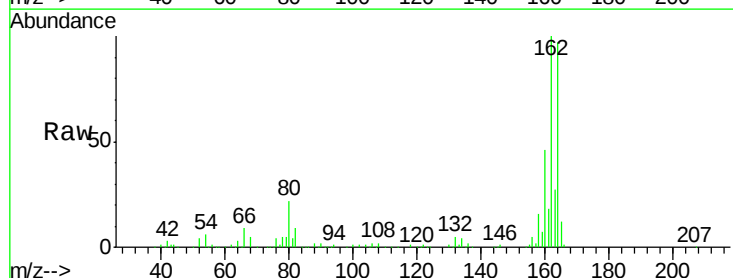


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

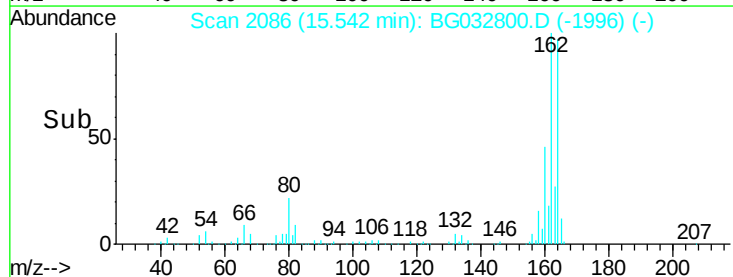
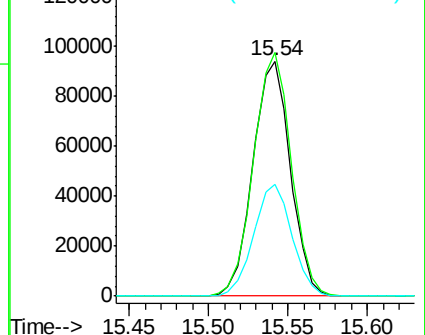


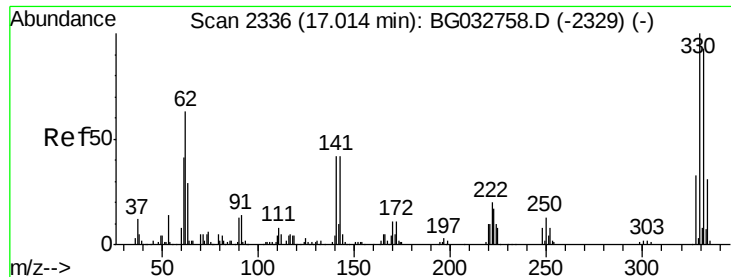
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Tgt Ion:164 Resp: 154238
Ion Ratio Lower Upper
164 100
162 103.5 78.8 118.2
160 47.4 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

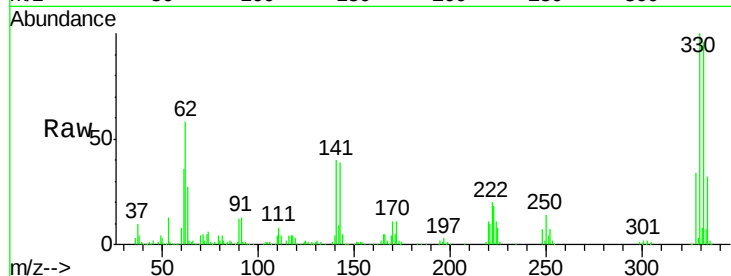




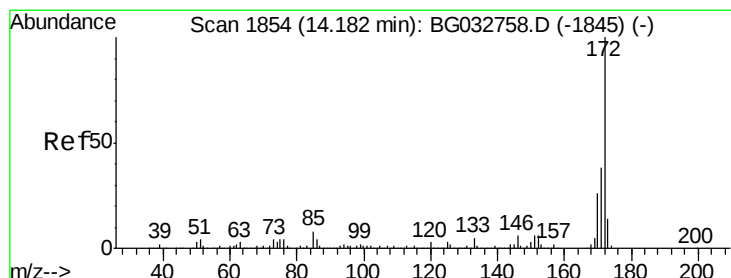
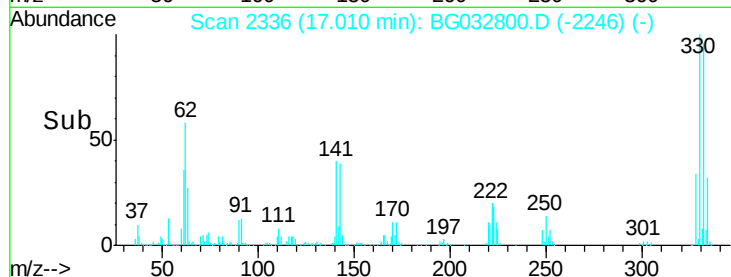
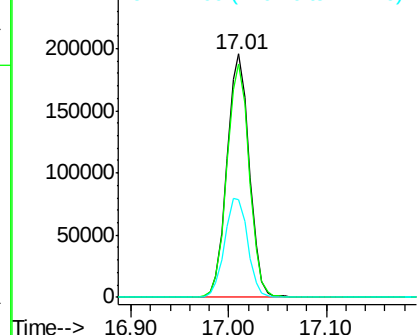
#41
 2,4,6-Tribromophenol
 Concen: 191.06 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	42.2	25.2	37.8#

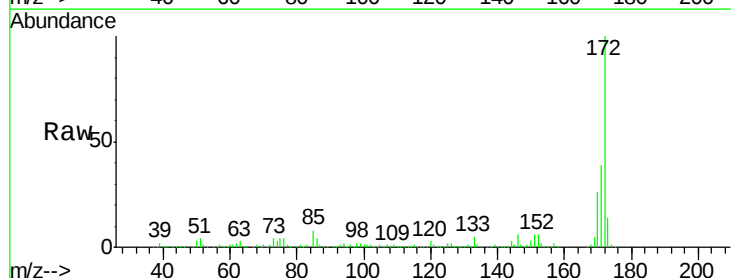


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

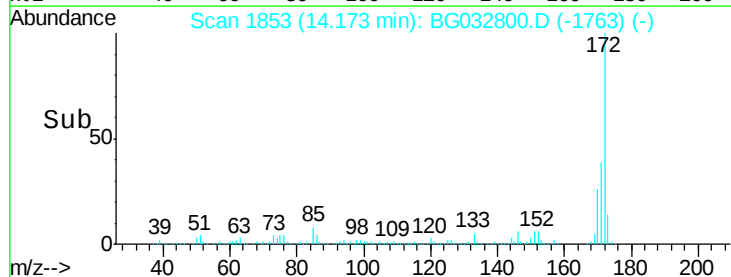
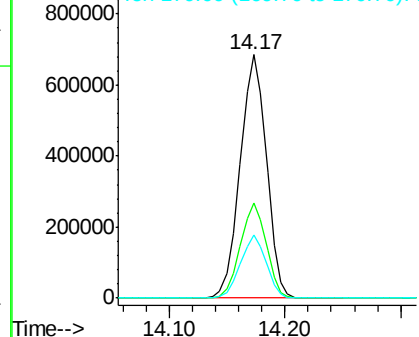


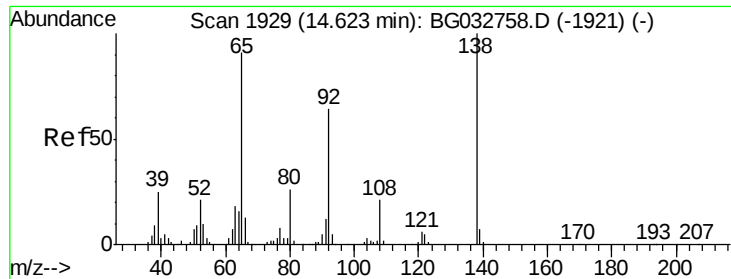
#44
 2-Fluorobiphenyl
 Concen: 100.57 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.0	45.0
170	26.1	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

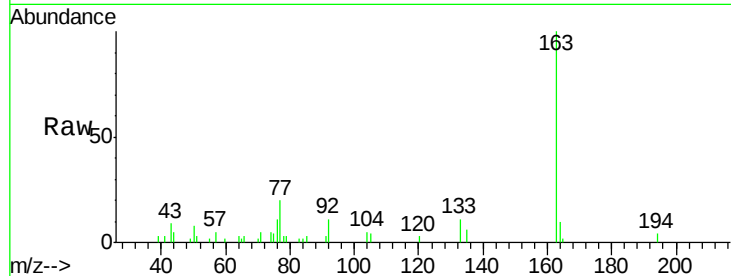




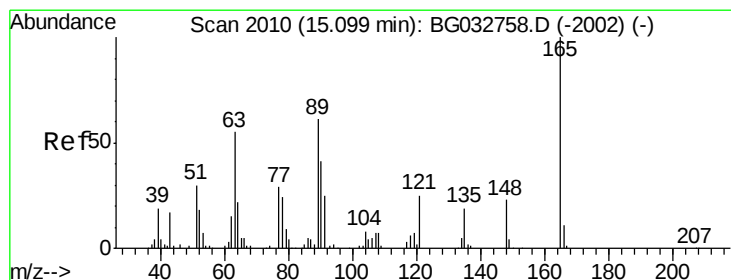
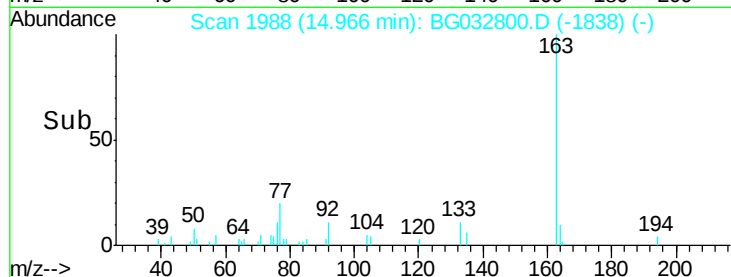
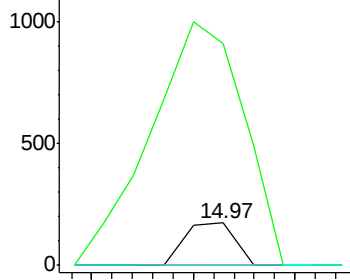
#47
2-Nitroaniline
Concen: 9.87 ng
RT: 14.97 min Scan# 1988
Delta R.T. 0.35 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampled :

Tot Ion: 65 Resp: 120
Ion Ratio Lower Upper
65 100
92 520.0 54.6 82.0#
138 0.0 72.9 109.3#

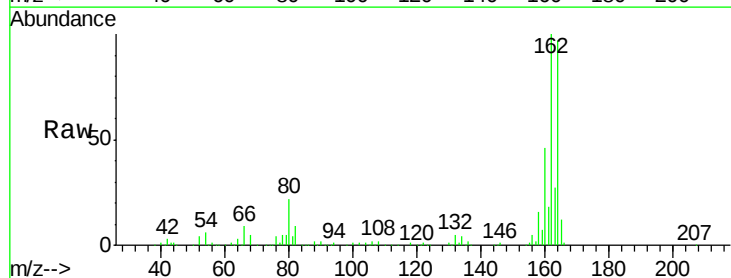


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

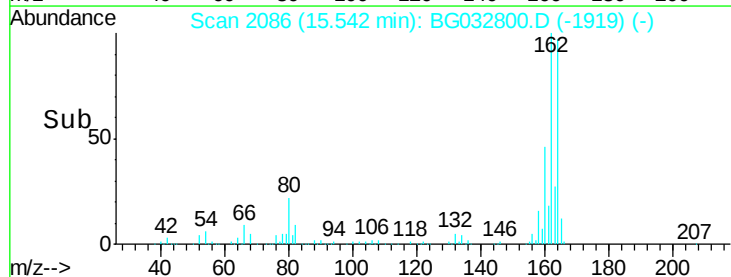
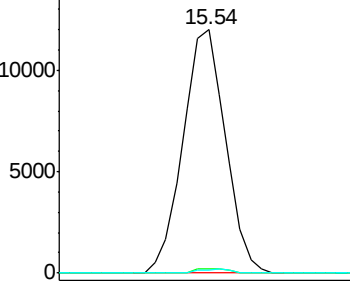


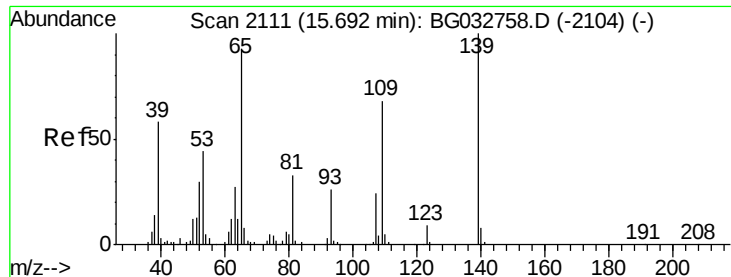
#50
2,6-Dinitrotoluene
Concen: 16.26 ng
RT: 15.54 min Scan# 2086
Delta R.T. 0.45 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Tgt Ion:165 Resp: 19580
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 1.4 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

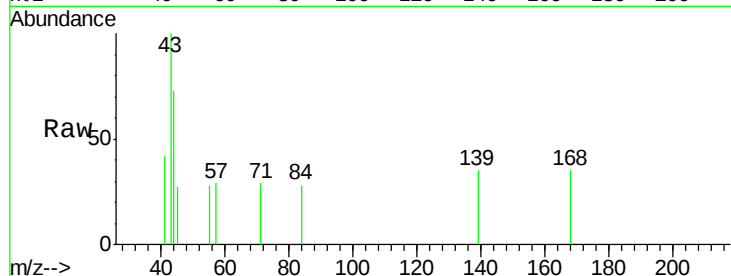




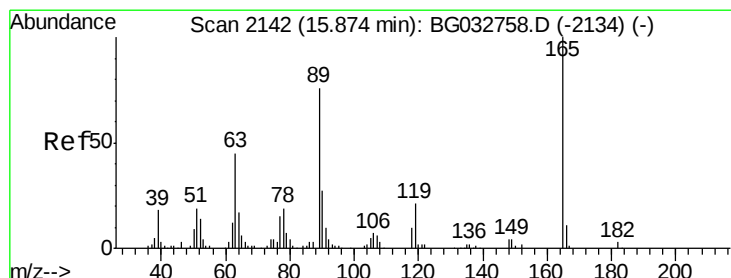
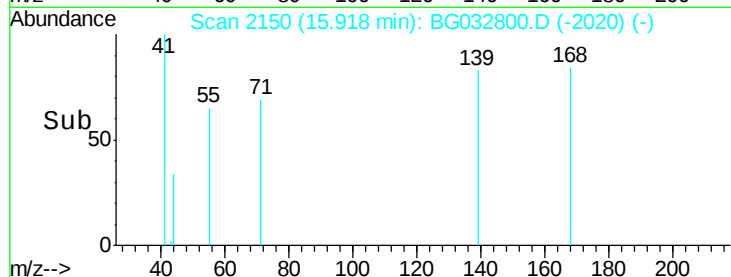
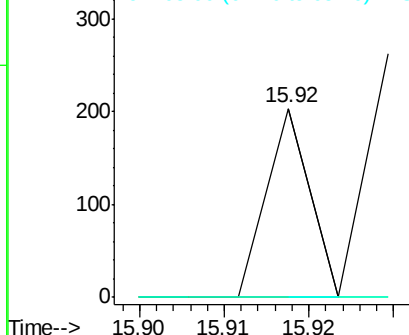
#55
4-Nitrophenol
Concen: 7.11 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.23 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

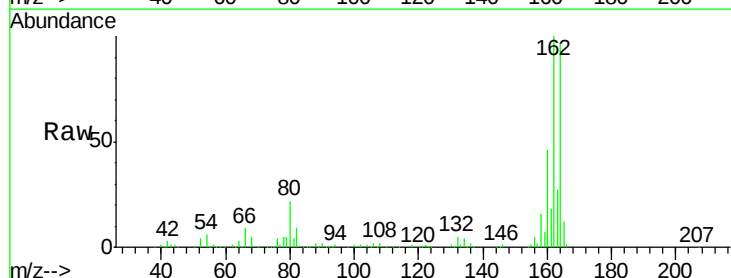


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

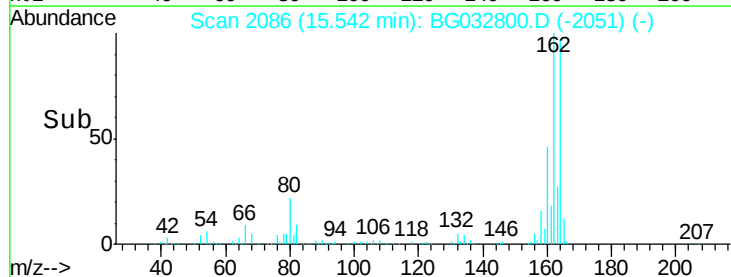
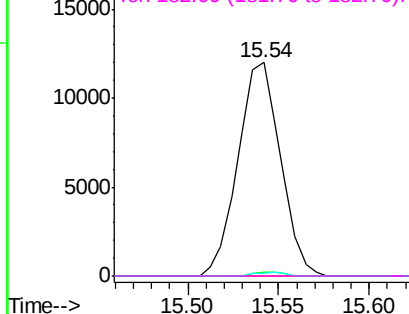


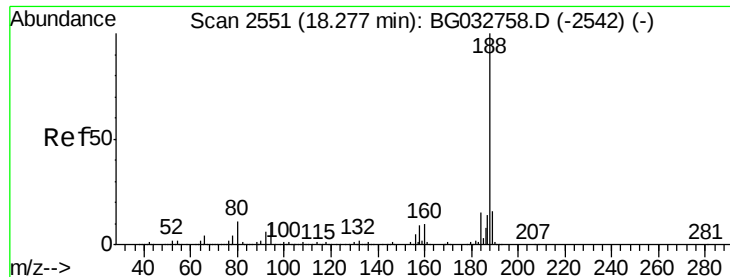
#56
2,4-Dinitrotoluene
Concen: 14.45 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.33 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Tgt Ion:165 Resp: 19580
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

Instrument :

BNA_G

ClientSampleId :

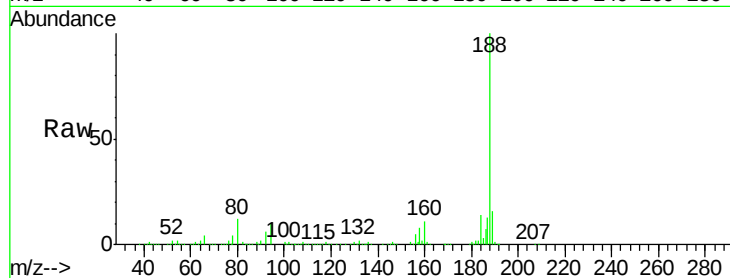
Tot Ion:188 Resp: 380977

Ion Ratio Lower Upper

188 100

94 10.3 6.9 10.3

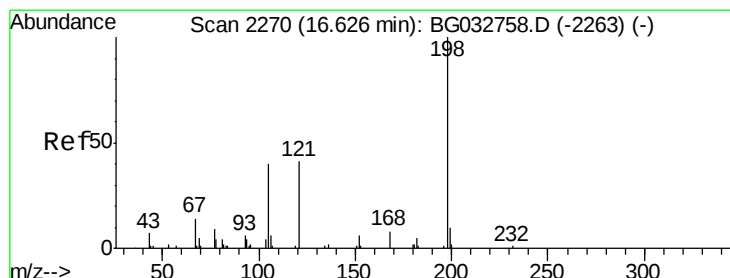
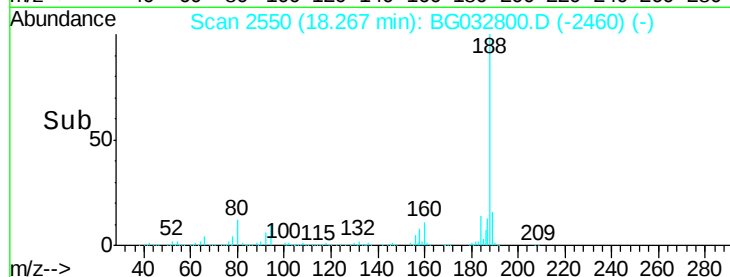
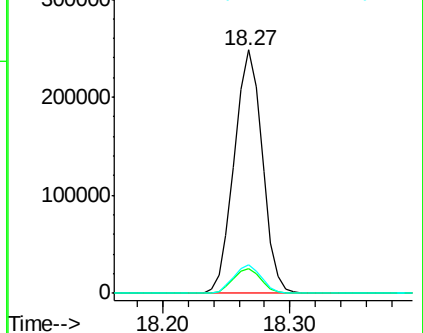
80 11.9 7.7 11.5#



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: 6.07 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

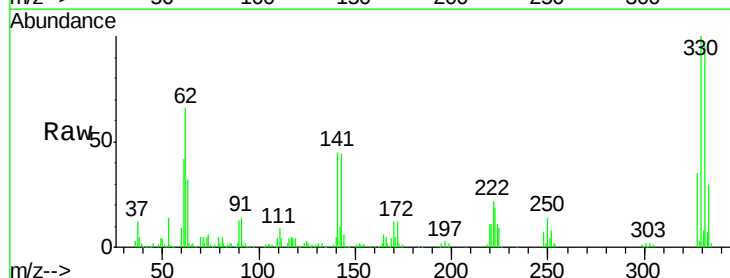
Tgt Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 174.2 30.6 70.6#

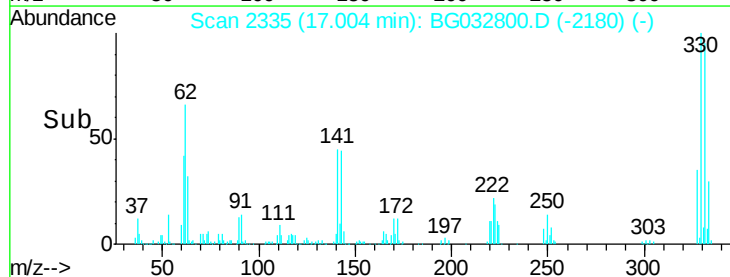
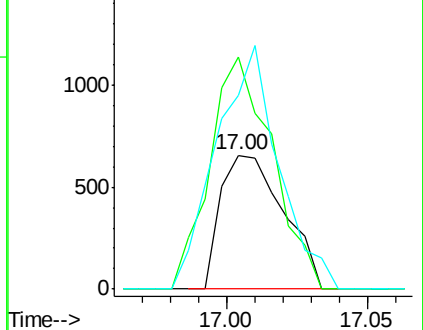
105 144.6 23.8 63.8#

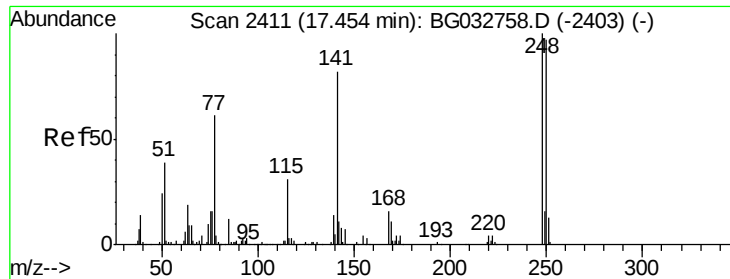


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

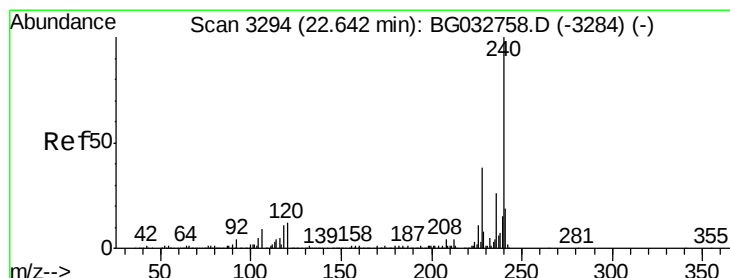
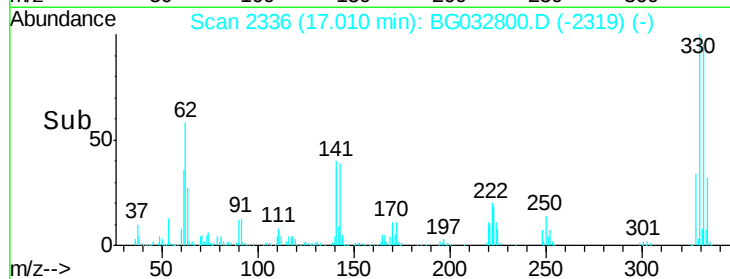
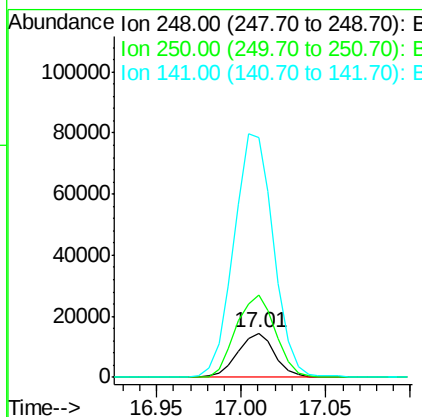
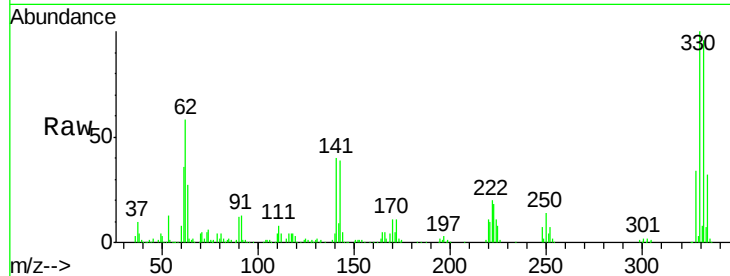




#66
 4-Bromophenyl-phenylether
 Concen: 5.47 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.43 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

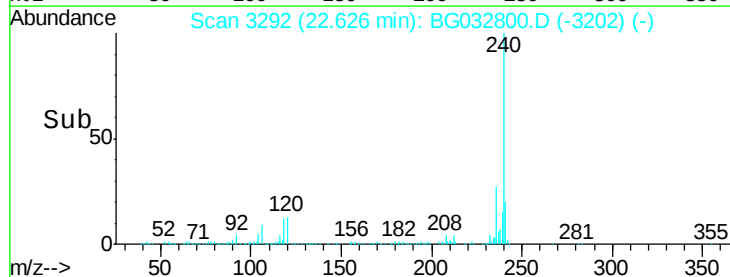
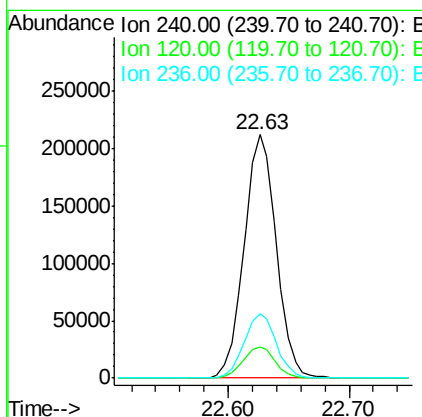
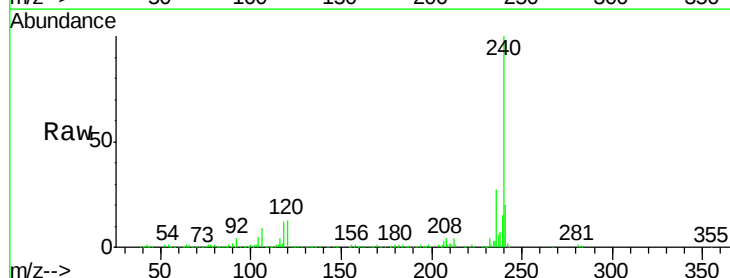
Instrument :
 BNA_G
 ClientSampleId :

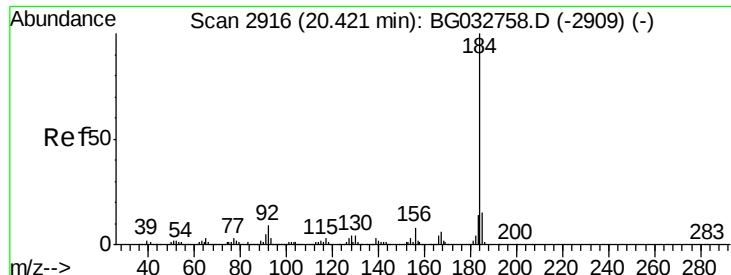
Tot Ion:248 Resp: 22016
 Ion Ratio Lower Upper
 248 100
 250 184.9 77.1 115.7#
 141 540.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.63 min Scan# 3292
 Delta R.T. -0.00 min
 Lab File: BG032800.D
 Acq: 23 Feb 2018 21:27

Tgt Ion:240 Resp: 392176
 Ion Ratio Lower Upper
 240 100
 120 12.7 6.8 10.2#
 236 26.6 20.9 31.3





#76

Benzidine

Concen: 2.41 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

Instrument :

BNA_G

ClientSampleId :

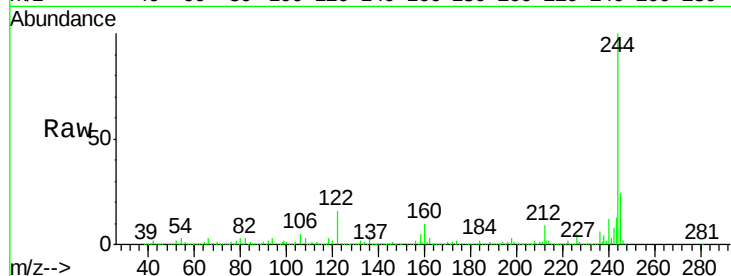
Tot Ion:184 Resp: 32180

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

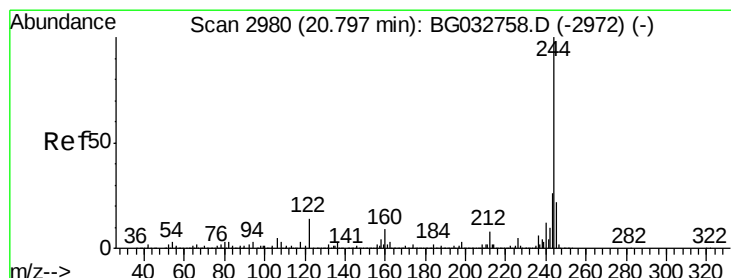
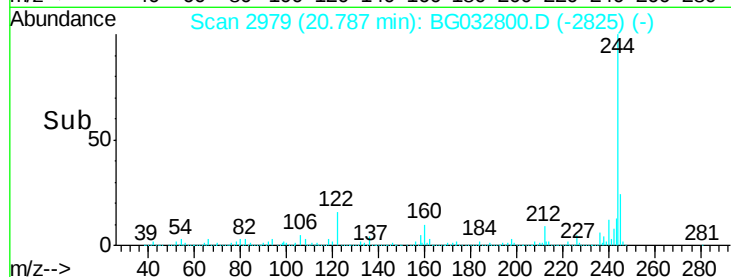
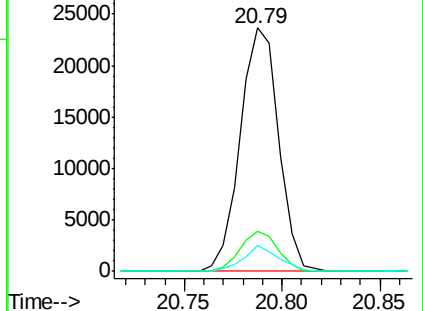
183 10.5 10.6 16.0#



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: 104.94 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BG032800.D

Acq: 23 Feb 2018 21:27

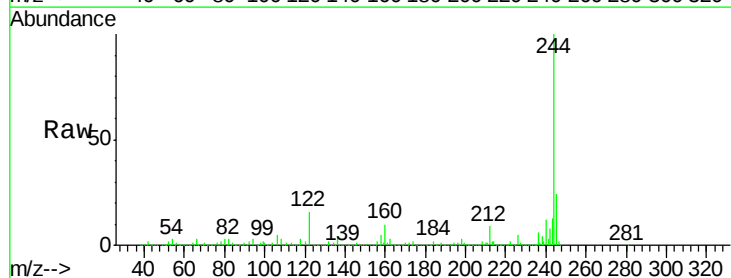
Tgt Ion:244 Resp: 1831730

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

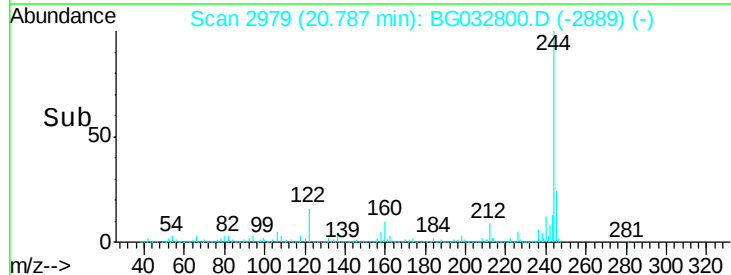
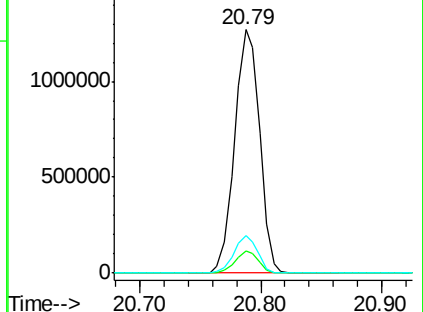
122 15.5 7.0 10.4#

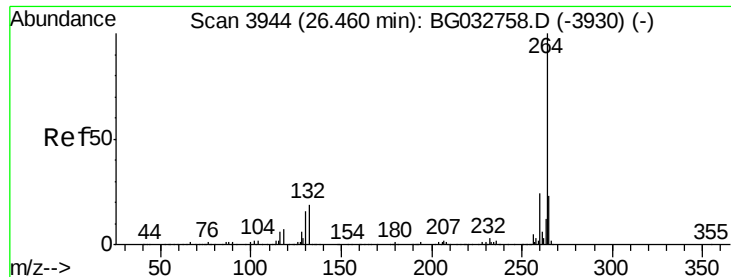


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

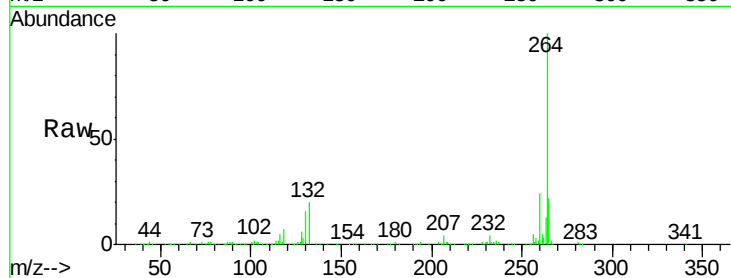




#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.44 min Scan# 3941
Delta R.T. -0.01 min
Lab File: BG032800.D
Acq: 23 Feb 2018 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.7	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

