

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032723.D
 Acq On : 15 Feb 2018 21:03
 Operator : SJ/JU
 Sample : J1559-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:26:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

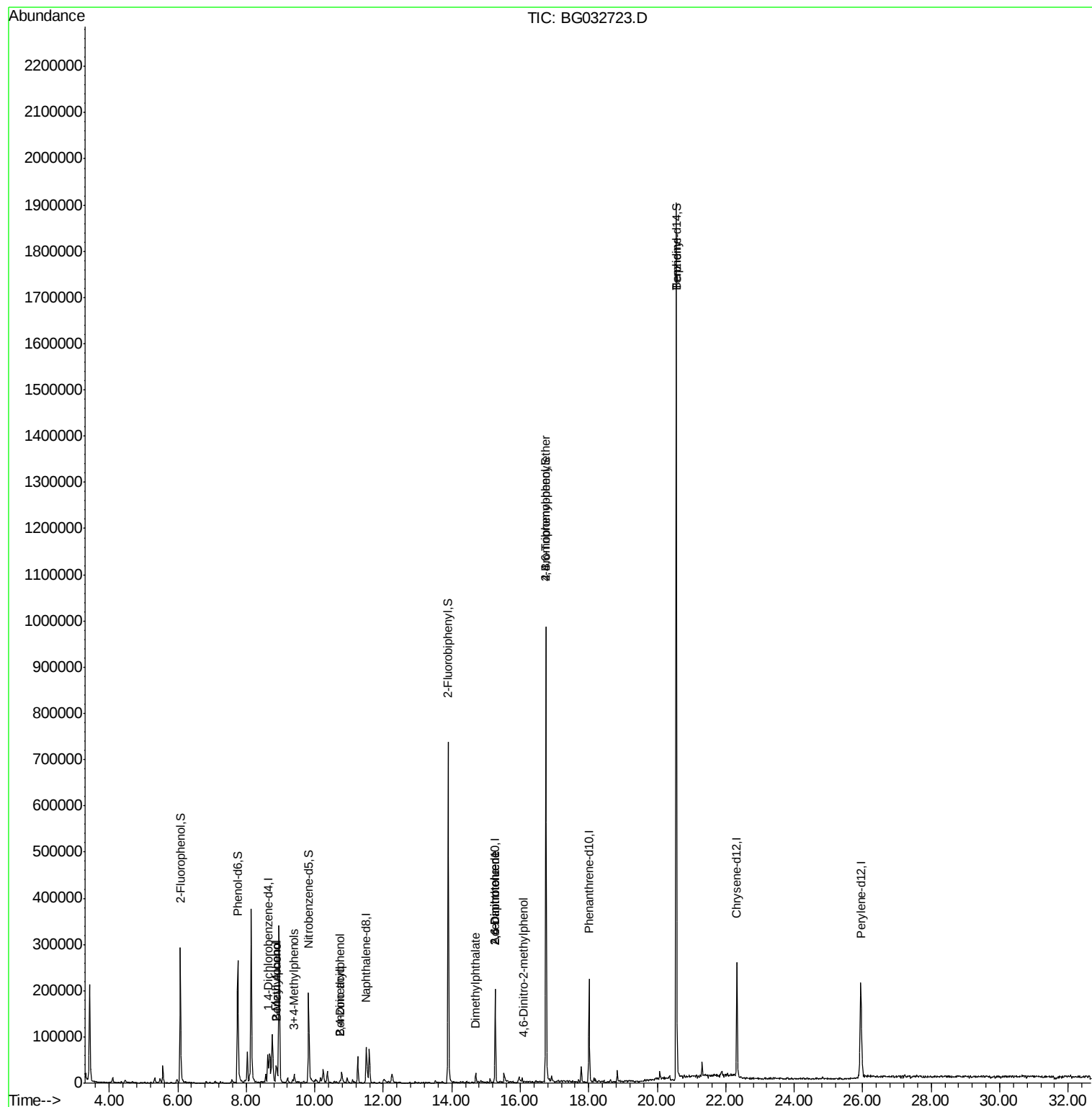
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	22956	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	83272	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	76710	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	157475	20.00	ng	-0.04
75) Chrysene-d12	22.32	240	210941	20.00	ng	-0.05
86) Perylene-d12	25.94	264	284557	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	156928	137.15	ng	-0.04
7) Phenol-d6	7.75	99	179166	114.52	ng	-0.04
23) Nitrobenzene-d5	9.83	82	137766	105.15	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	221415	187.45	ng	-0.04
44) 2-Fluorobiphenyl	13.89	172	448237	73.07	ng	-0.04
78) Terphenyl-d14	20.56	244	1065457	115.12	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	8.87	79	16522	14.09	ng	# 81
17) 2-Methylphenol	8.87	107	9484	8.80	ng	# 1
20) 3+4-Methylphenols	9.40	107	12109	7.43	ng	# 87
27) 2,4-Dimethylphenol	10.73	122	3612	3.75	ng	# 1
32) Benzoic acid	10.73	122	3612	8.63	ng	# 85
49) Dimethylphthalate	14.70	163	14195	2.14	ng	# 91
50) 2,6-Dinitrotoluene	15.27	165	10278	7.53	ng	# 23
56) 2,4-Dinitrotoluene	15.27	165	10278	5.46	ng	# 21
64) 4,6-Dinitro-2-methylphenol	16.11	198	69	5.08	ng	# 29
66) 4-Bromophenyl-phenylether	16.75	248	18262	8.10	ng	# 1
76) Benzydine	20.56	184	14904	3.00	ng	# 90

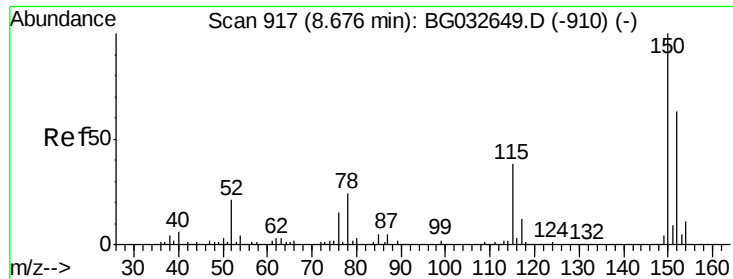
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.05 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

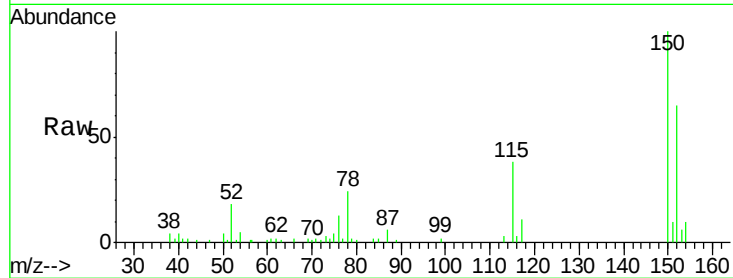
Tot Ion:152 Resp: 22956

Ion Ratio Lower Upper

152 100

150 152.8 126.6 189.8

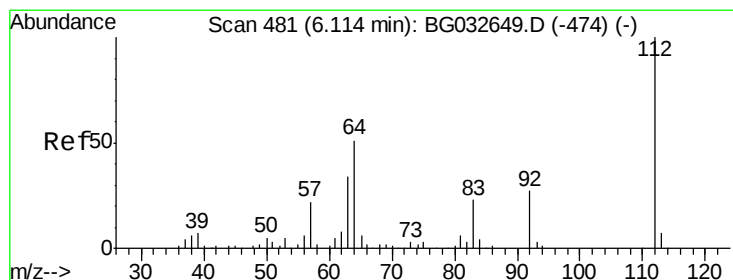
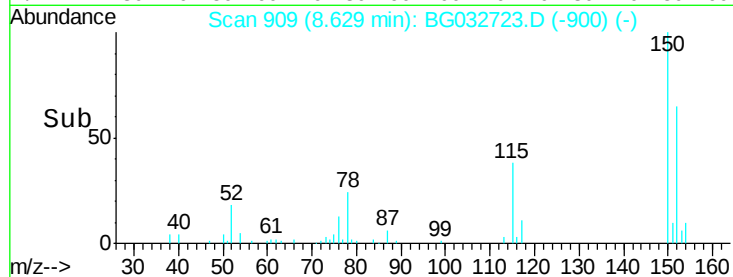
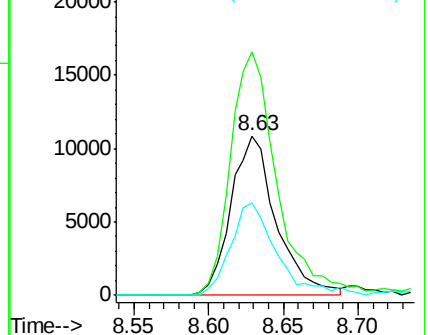
115 58.1 53.0 79.4



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: 137.15 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

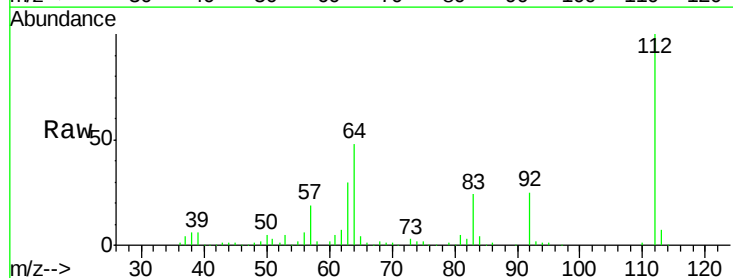
Tgt Ion:112 Resp: 156928

Ion Ratio Lower Upper

112 100

64 47.6 56.3 84.5#

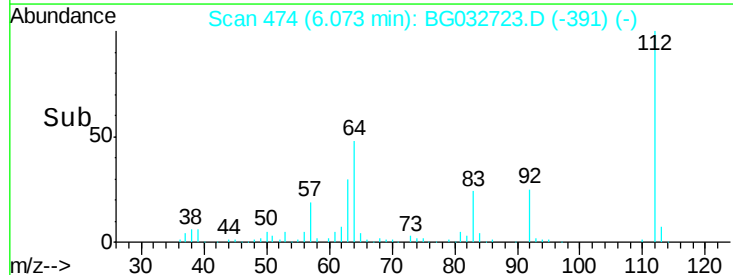
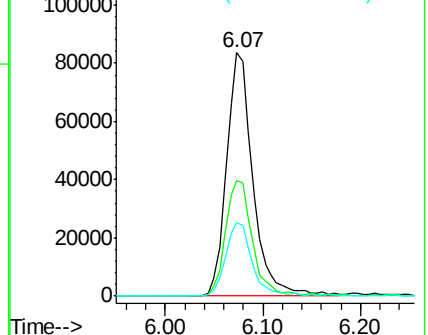
63 30.2 30.1 45.1

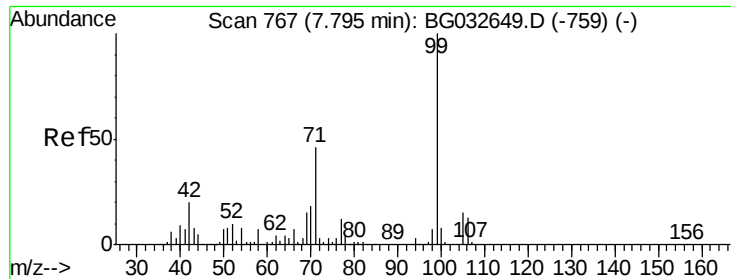


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 114.52 ng

RT: 7.75 min Scan# 760

Delta R.T. -0.04 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampled :

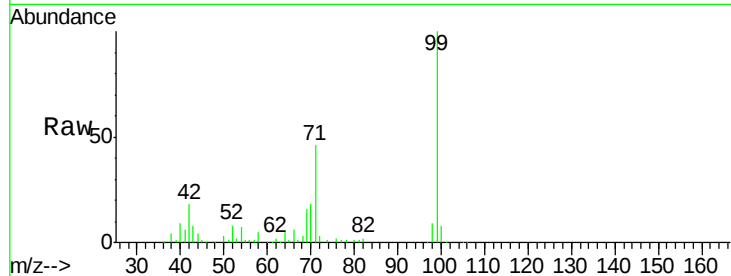
Tot Ion: 99 Resp: 179166

Ion Ratio Lower Upper

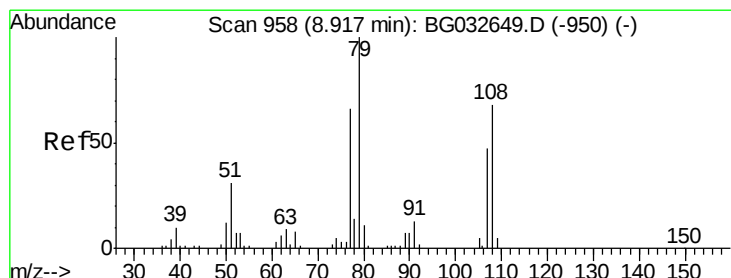
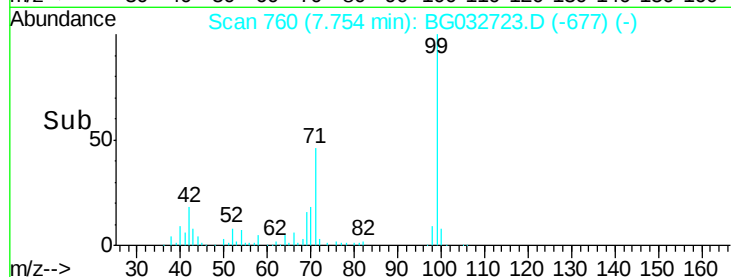
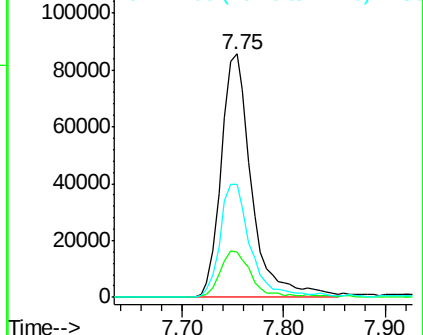
99 100

42 18.3 14.1 21.1

71 46.3 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: 14.09 ng

RT: 8.87 min Scan# 950

Delta R.T. -0.05 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

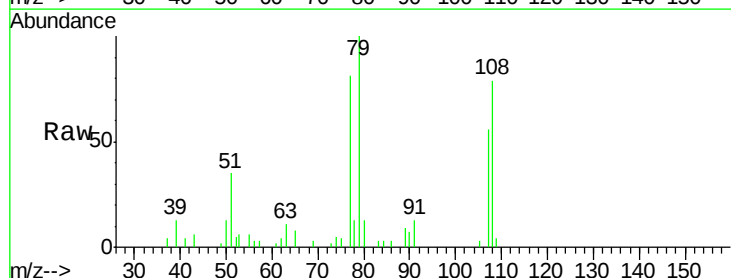
Tgt Ion: 79 Resp: 16522

Ion Ratio Lower Upper

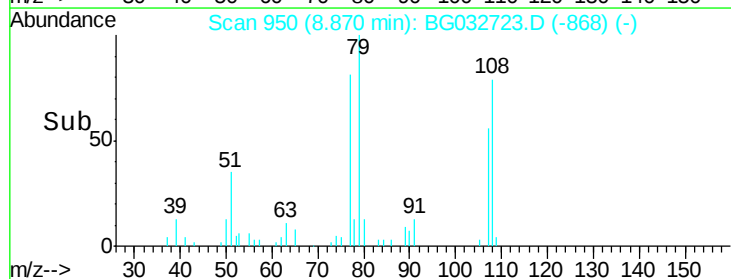
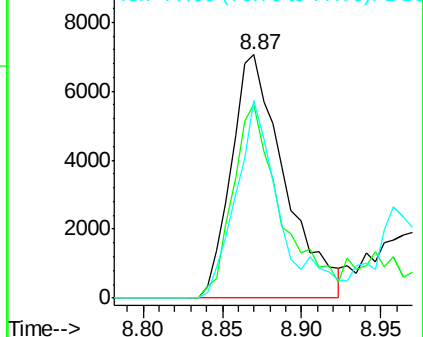
79 100

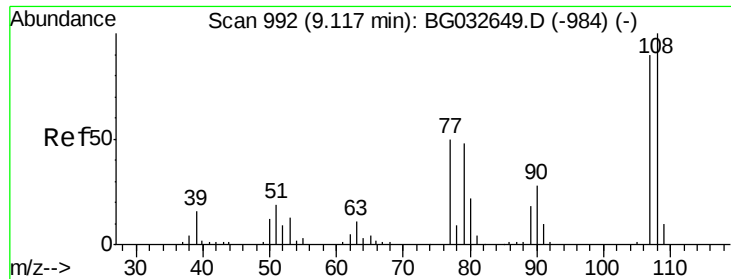
108 79.4 57.2 85.8

77 81.1 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





#17

2-Methylphenol

Concen: 8.80 ng

RT: 8.87 min Scan# 950

Delta R.T. -0.25 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 9484

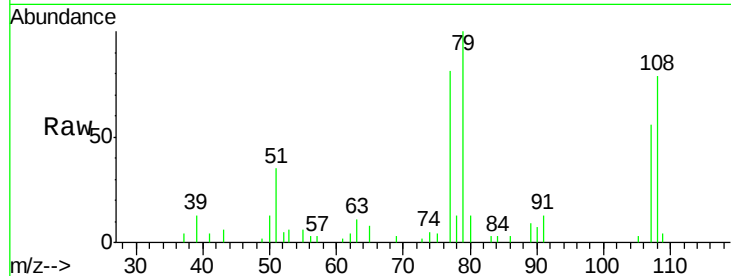
Ion Ratio Lower Upper

107 100

108 142.3 83.9 125.9#

77 145.5 37.2 55.8#

79 179.3 36.2 54.2#



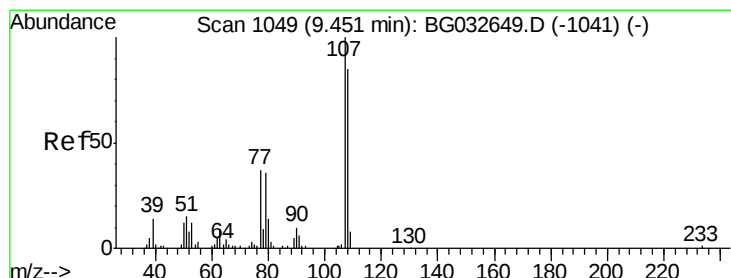
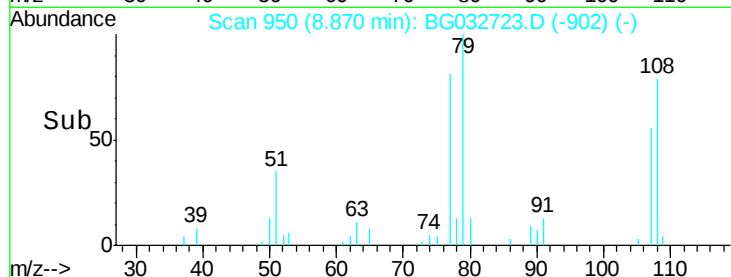
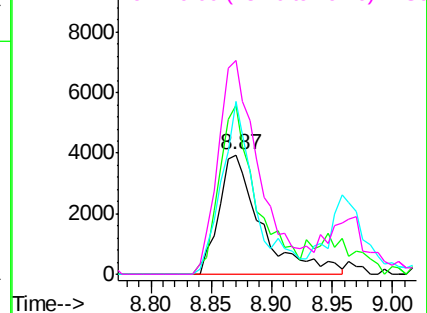
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20

3+4-Methylphenols

Concen: 7.43 ng

RT: 9.40 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Tgt Ion:107 Resp: 12109

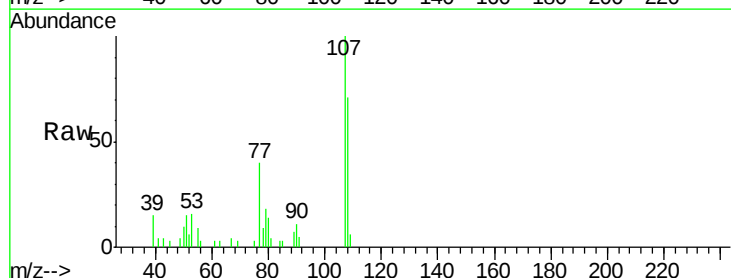
Ion Ratio Lower Upper

107 100

108 71.2 61.6 101.6

77 39.6 13.9 53.9

79 17.5 8.8 48.8



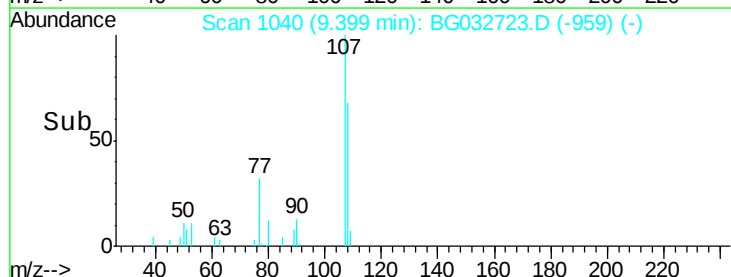
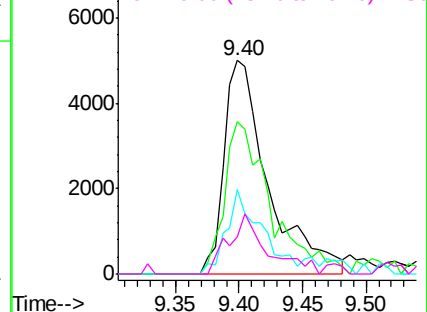
Abundance

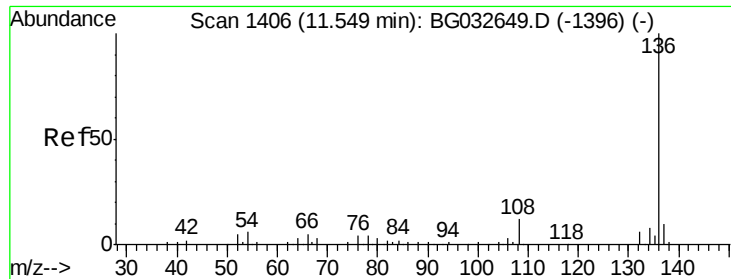
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

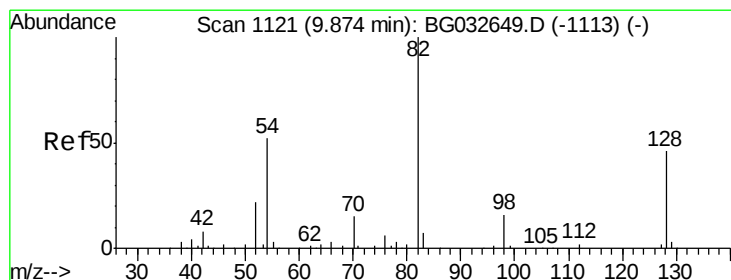
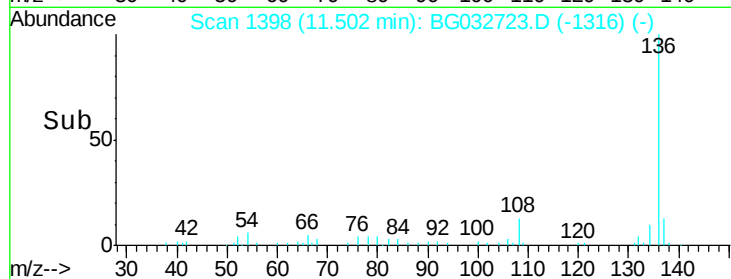
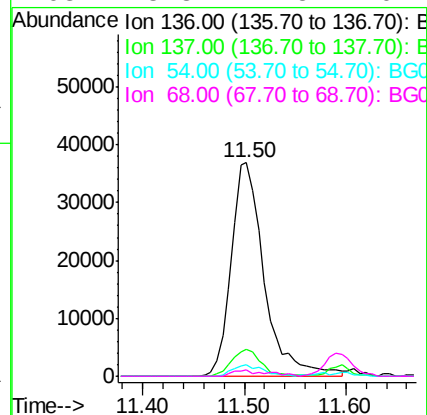
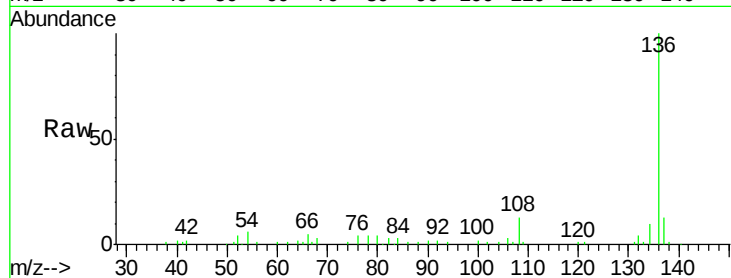




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

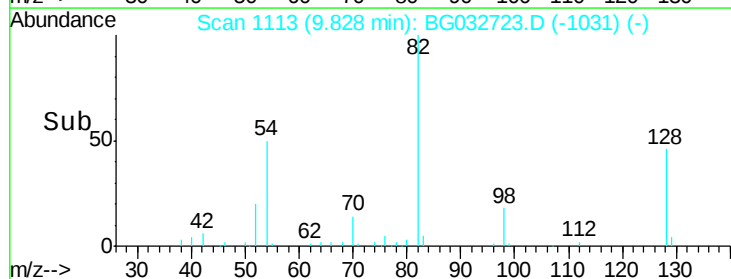
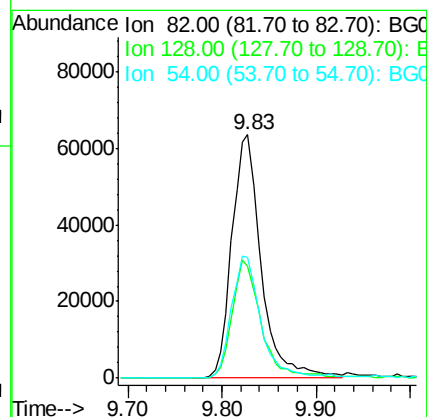
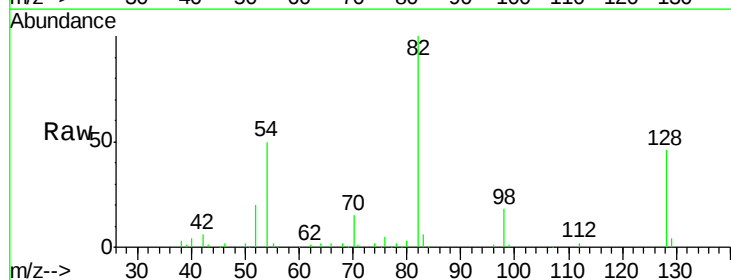
Instrument :
BNA_G
ClientSampled :

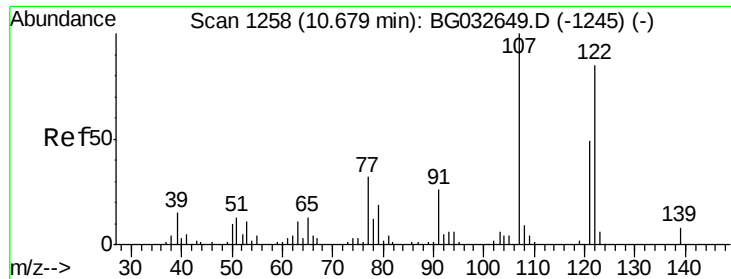
Tot Ion:136 Resp: 83272
Ion Ratio Lower Upper
136 100
137 12.8 9.2 13.8
54 5.7 10.3 15.5#
68 3.3 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 105.15 ng
RT: 9.83 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Tgt Ion: 82 Resp: 137766
Ion Ratio Lower Upper
82 100
128 45.9 29.7 44.5#
54 49.8 43.1 64.7

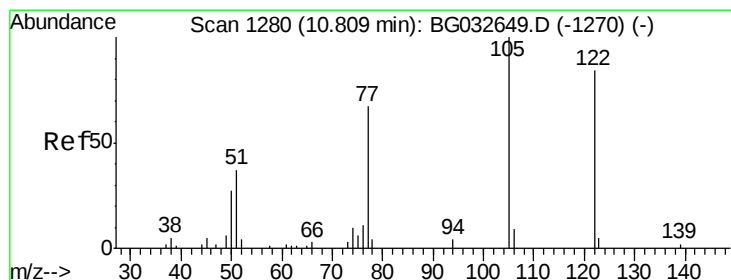
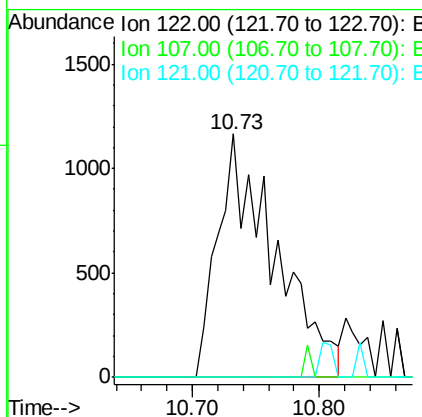
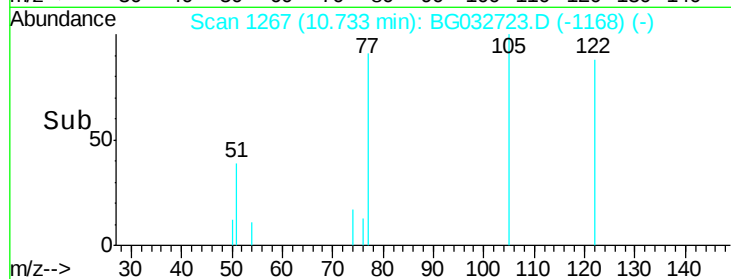
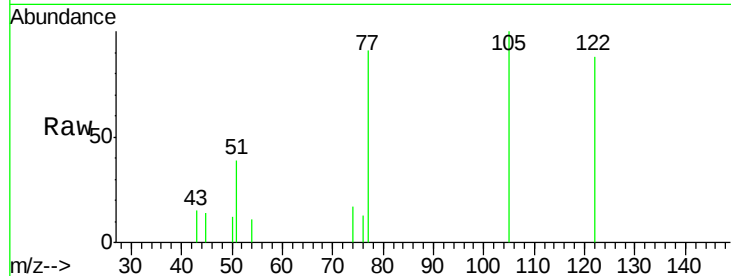




#27
2,4-Dimethylphenol
Concen: 3.75 ng
RT: 10.73 min Scan# 1267
Delta R.T. 0.05 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

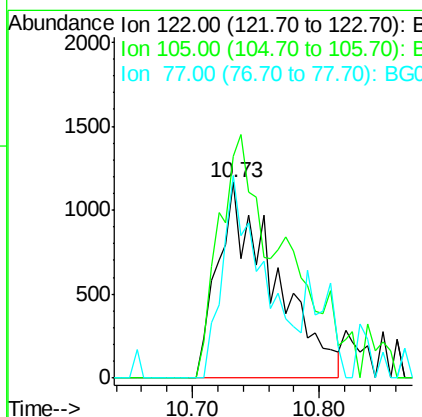
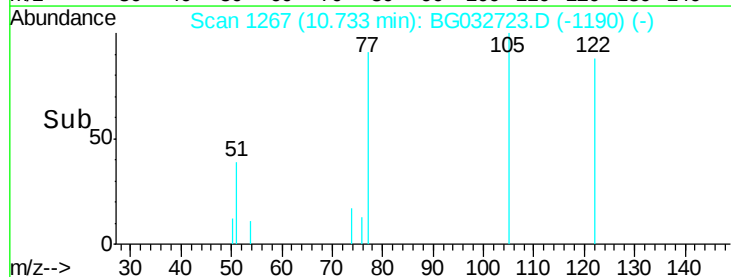
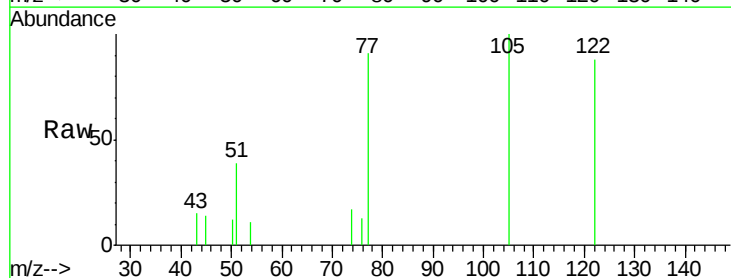
Instrument :
BNA_G
ClientSampleId :

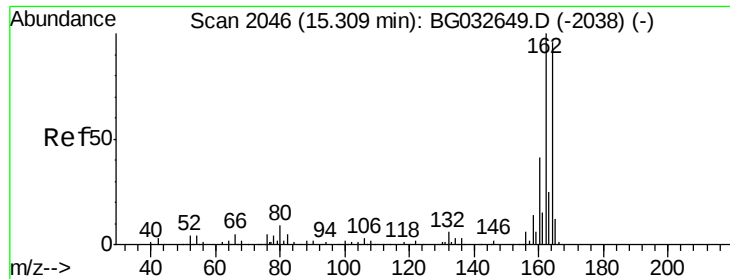
Tot Ion:122 Resp: 3612
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#



#32
Benzoic acid
Concen: 8.63 ng
RT: 10.73 min Scan# 1267
Delta R.T. -0.08 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Tgt Ion:122 Resp: 3612
Ion Ratio Lower Upper
122 100
105 113.1 123.5 163.5#
77 103.3 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.27 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

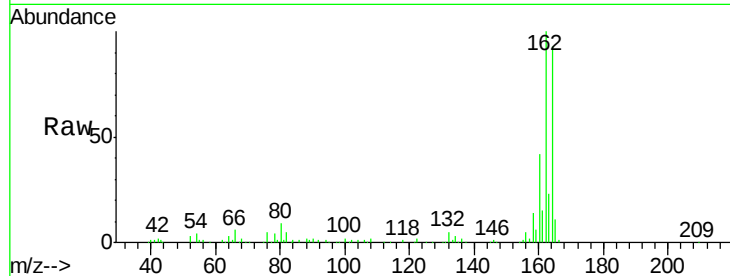
Tot Ion:164 Resp: 76710

Ion Ratio Lower Upper

164 100

162 107.4 78.8 118.2

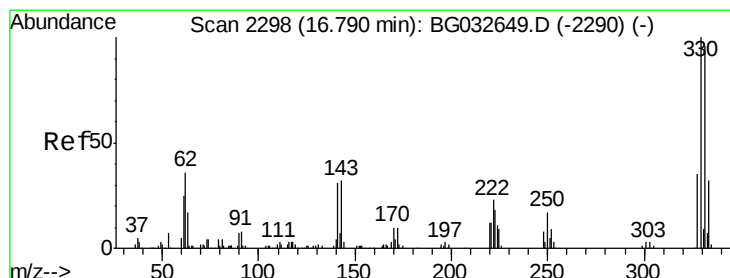
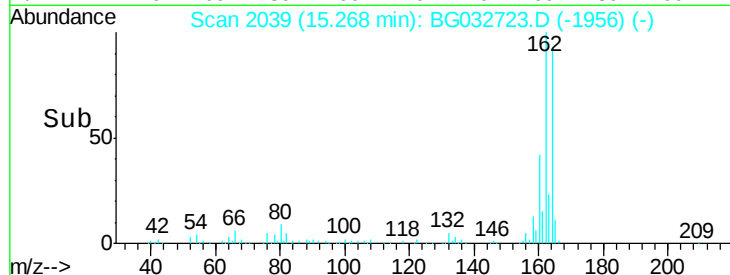
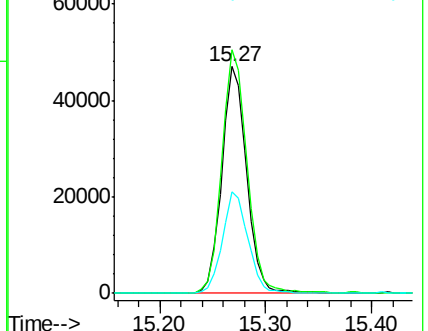
160 44.6 35.4 53.0



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: 187.45 ng

RT: 16.75 min Scan# 2291

Delta R.T. -0.04 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

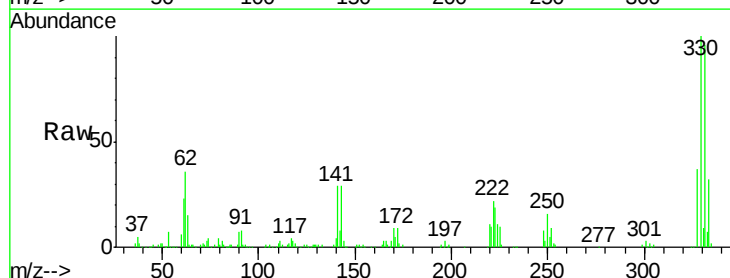
Tgt Ion:330 Resp: 221415

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

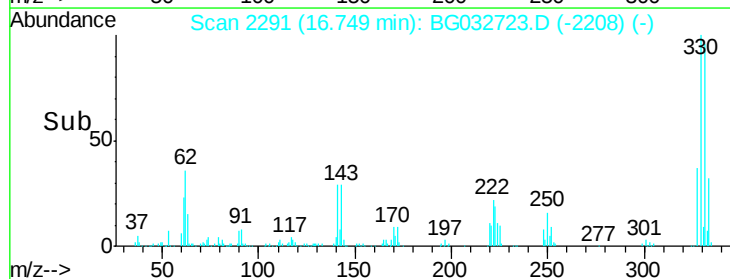
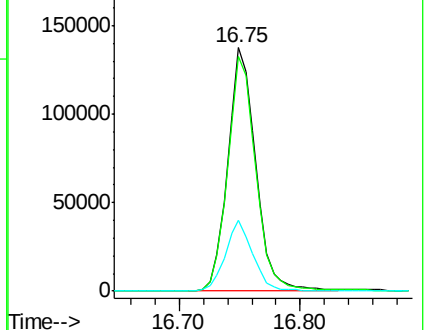
141 28.5 25.2 37.8

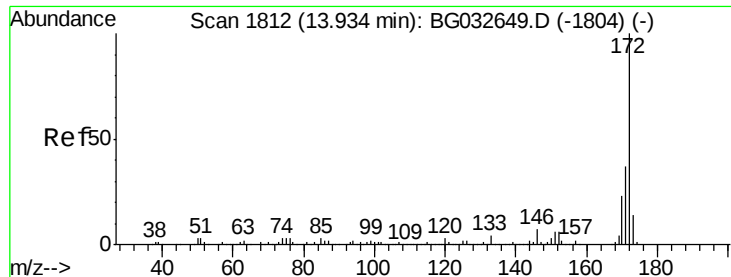


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

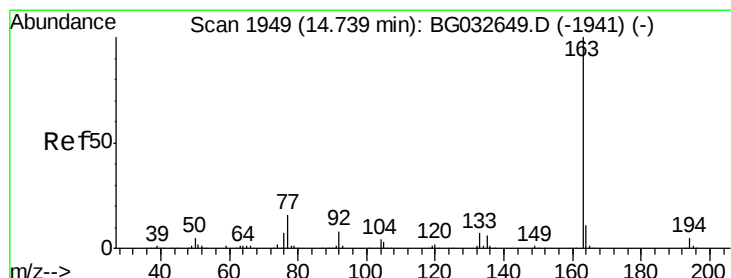
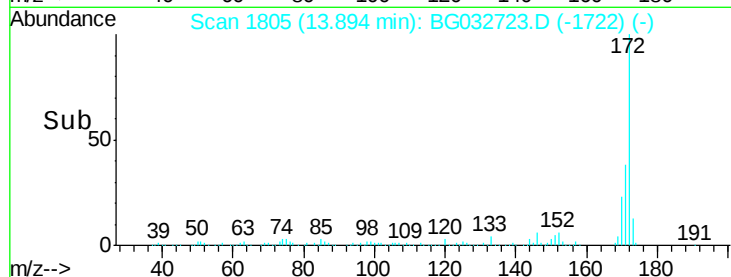
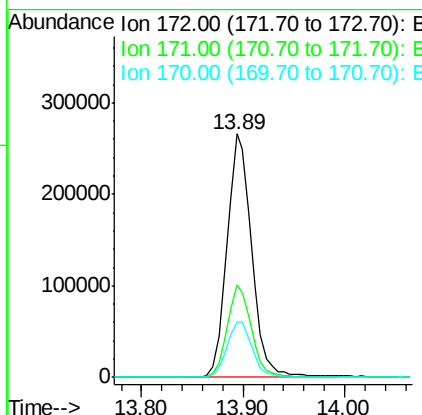
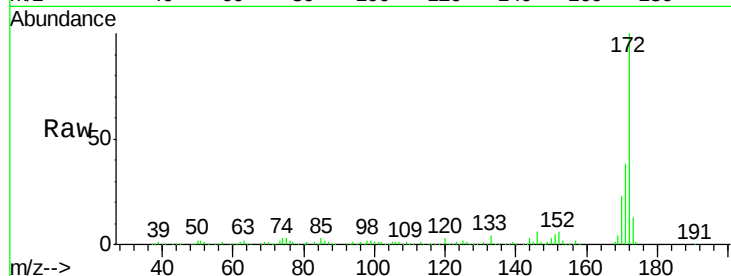




#44
2-Fluorobiphenyl
Concen: 73.07 ng
RT: 13.89 min Scan# 1805
Delta R.T. -0.04 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

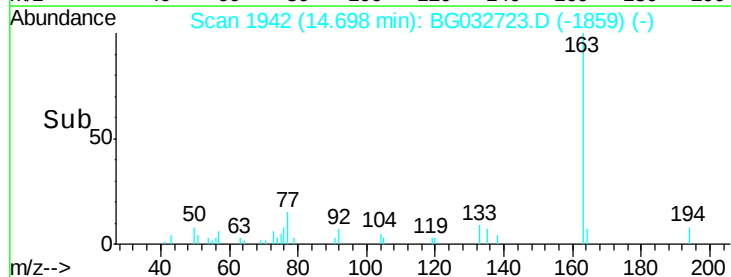
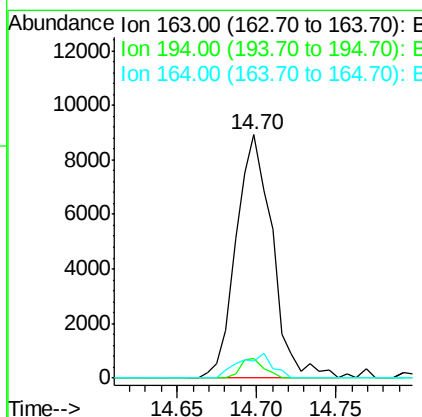
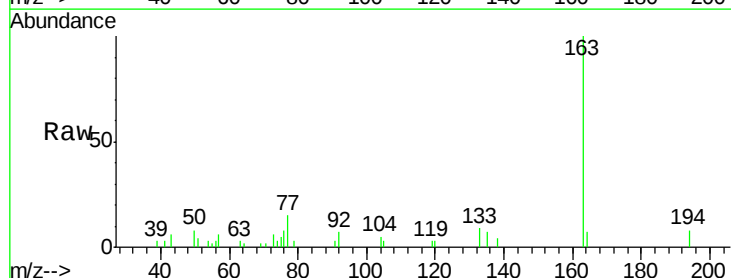
Instrument :
BNA_G
ClientSampleId :

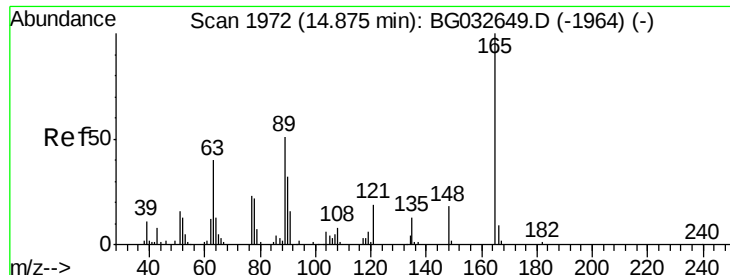
Tot Ion:172 Resp: 448237
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 22.6 19.5 29.3



#49
Dimethylphthalate
Concen: 2.14 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.04 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Tgt Ion:163 Resp: 14195
Ion Ratio Lower Upper
163 100
194 7.9 3.4 5.2#
164 7.1 8.2 12.4#

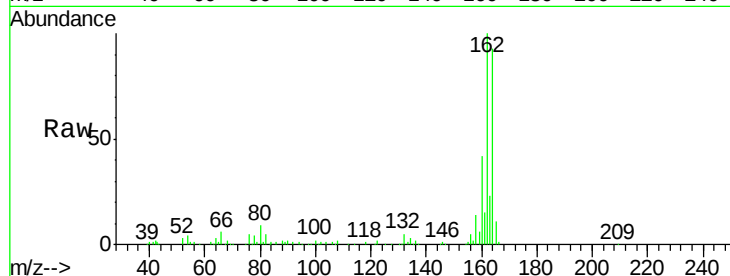




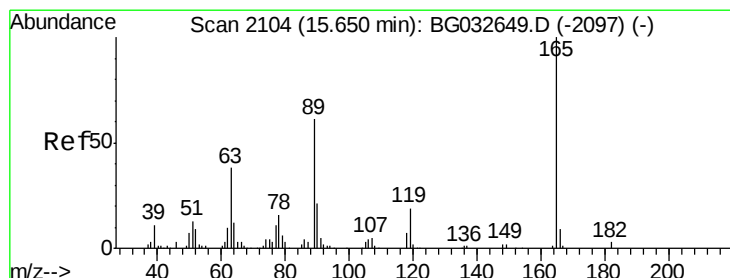
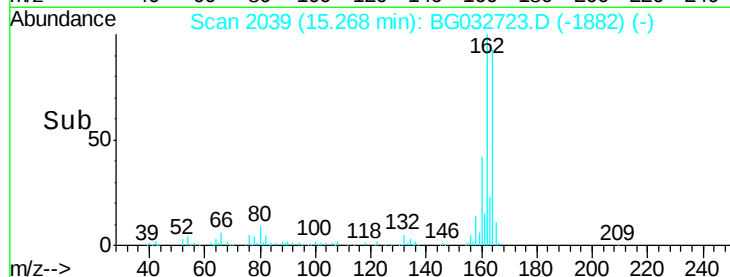
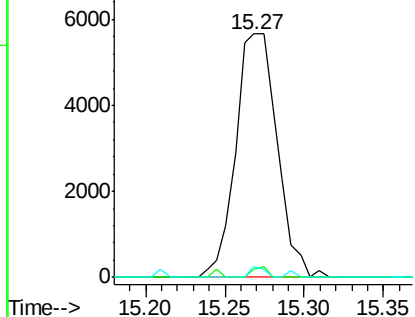
#50
2,6-Dinitrotoluene
Concen: 7.53 ng
RT: 15.27 min Scan# 2039
Delta R.T. 0.39 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 10278
Ion Ratio Lower Upper
165 100
63 3.3 52.7 79.1#
89 4.5 49.2 73.8#

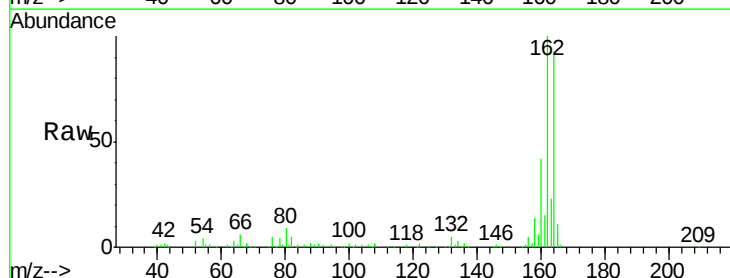


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

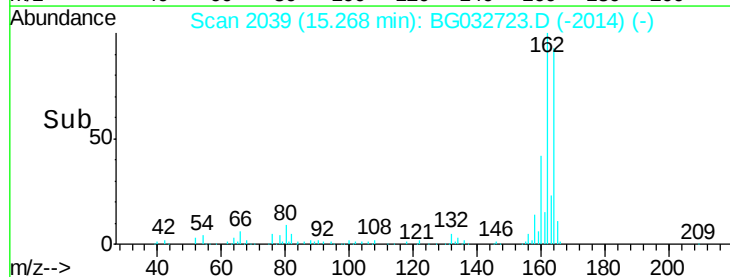
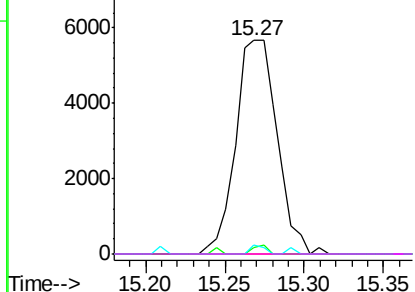


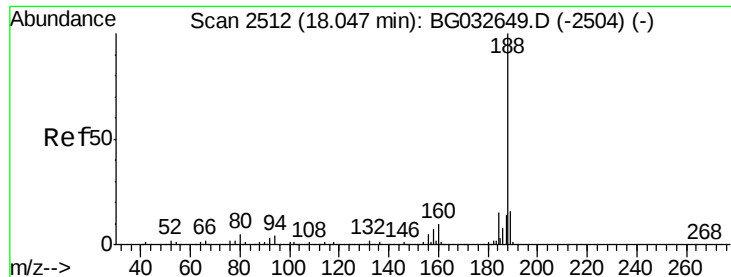
#56
2,4-Dinitrotoluene
Concen: 5.46 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.38 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Tgt Ion:165 Resp: 10278
Ion Ratio Lower Upper
165 100
63 3.3 42.0 63.0#
89 4.5 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: 18.01 min Scan# 2505

Delta R.T. -0.04 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

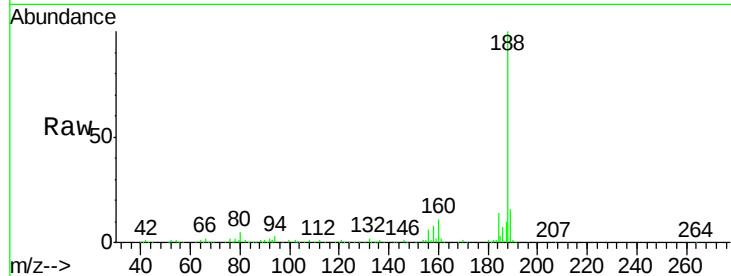
Tot Ion:188 Resp: 157475

Ion Ratio Lower Upper

188 100

94 3.4 6.9 10.3#

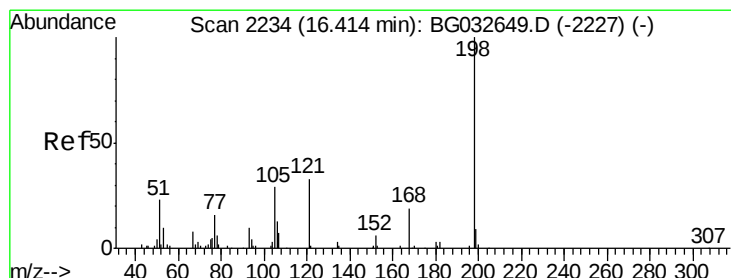
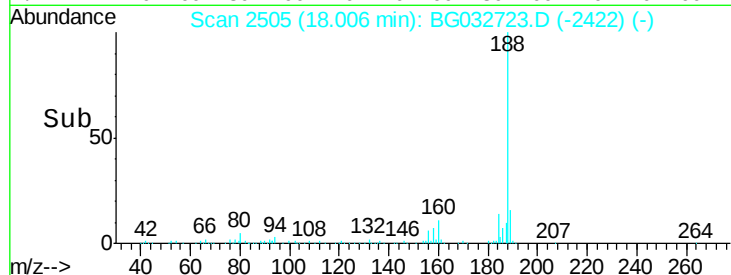
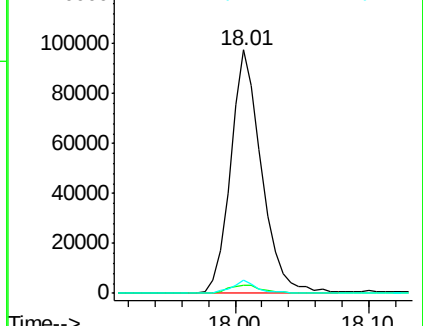
80 5.4 7.7 11.5#



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: 5.08 ng

RT: 16.11 min Scan# 2182

Delta R.T. -0.30 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

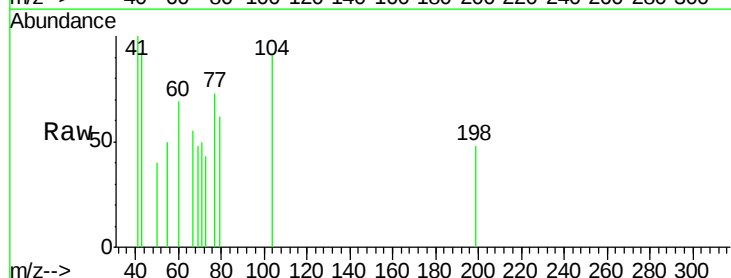
Tgt Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

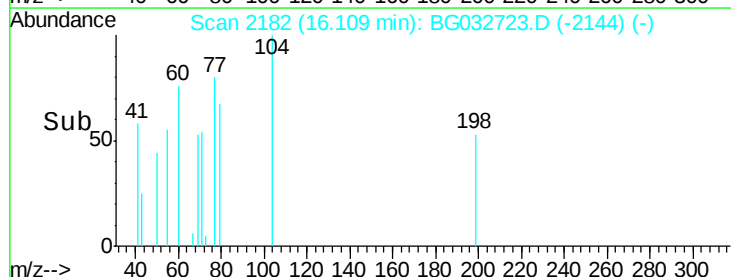
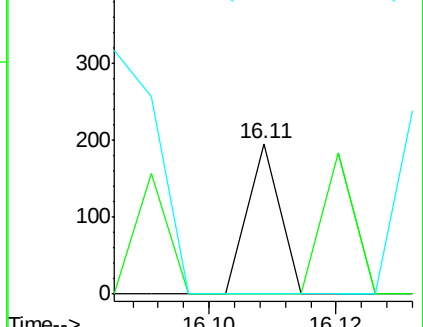
105 0.0 23.8 63.8#

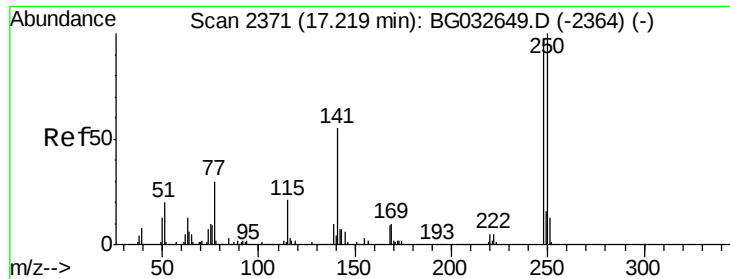


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

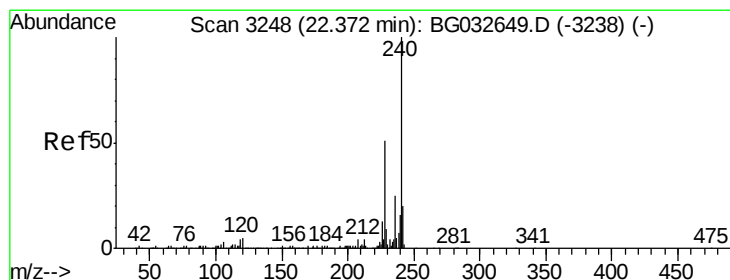
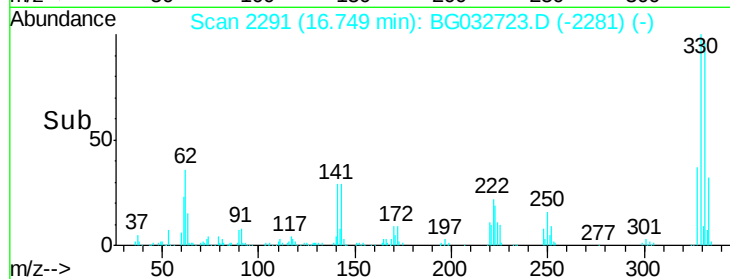
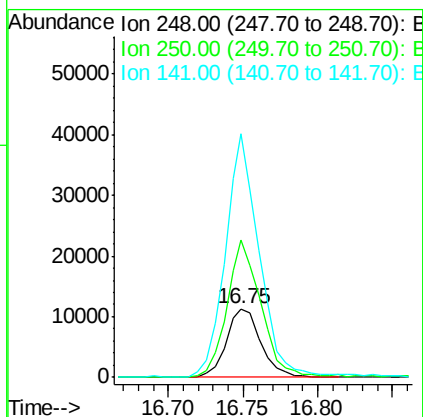
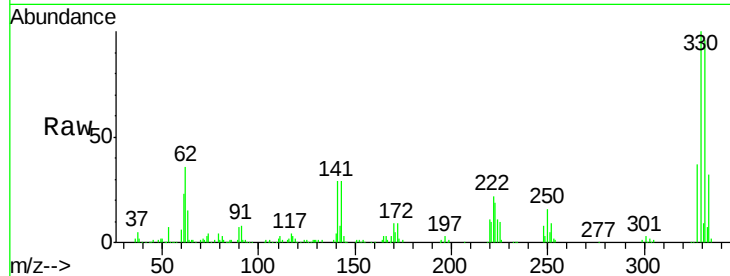




#66
4-Bromophenyl-phenylether
Concen: 8.10 ng
RT: 16.75 min Scan# 2291
Delta R.T. -0.47 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

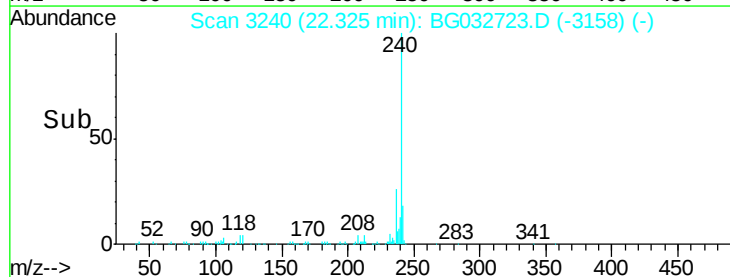
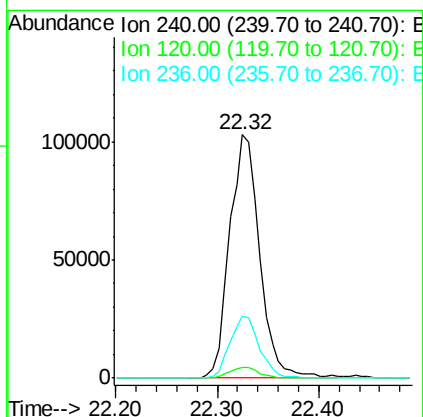
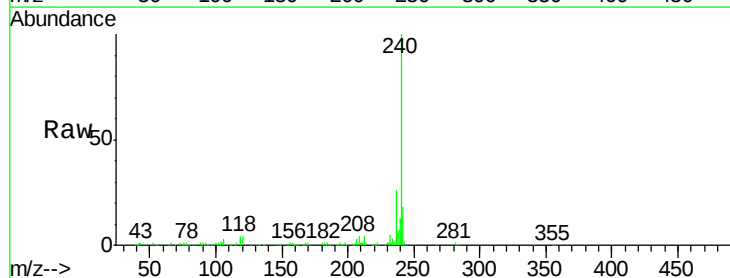
Instrument :
BNA_G
ClientSampled :

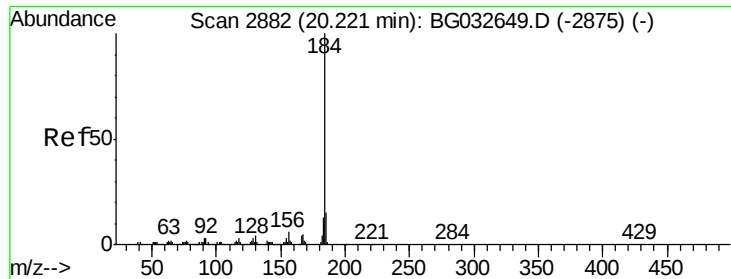
Tot Ion:248 Resp: 18262
Ion Ratio Lower Upper
248 100
250 201.0 77.1 115.7#
141 355.6 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.32 min Scan# 3240
Delta R.T. -0.05 min
Lab File: BG032723.D
Acq: 15 Feb 2018 21:03

Tgt Ion:240 Resp: 210941
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 25.7 20.9 31.3





#76

Benzidine

Concen: 3.00 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.34 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

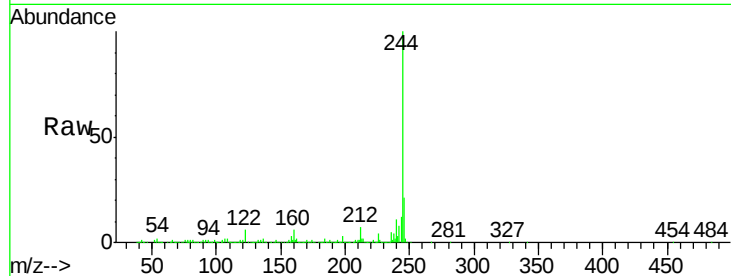
Tot Ion:184 Resp: 14904

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

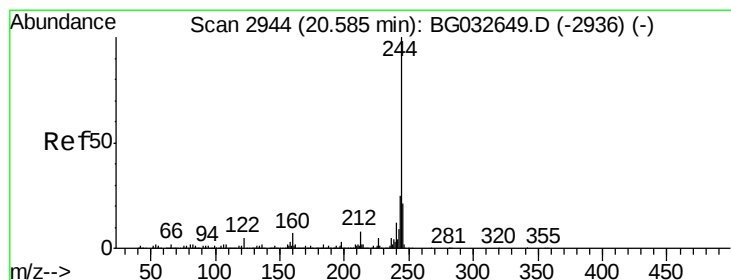
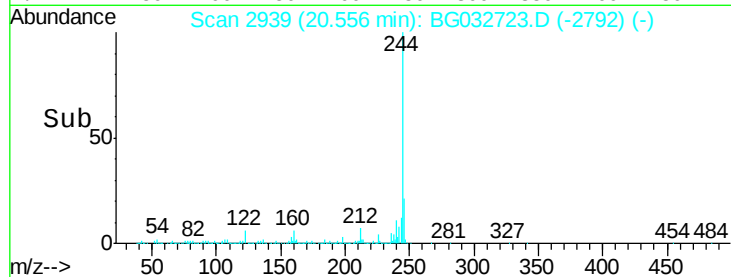
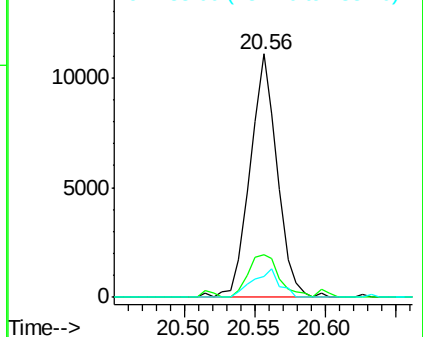
183 8.5 10.6 16.0#



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: 115.12 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

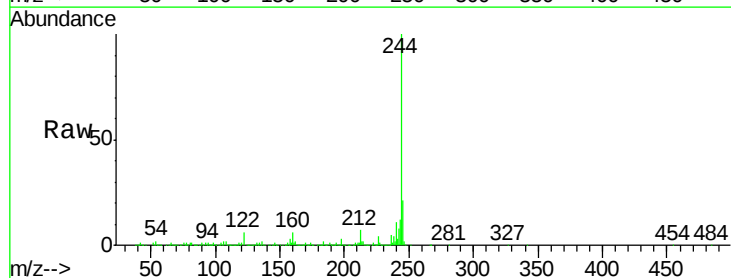
Tgt Ion:244 Resp: 1065457

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

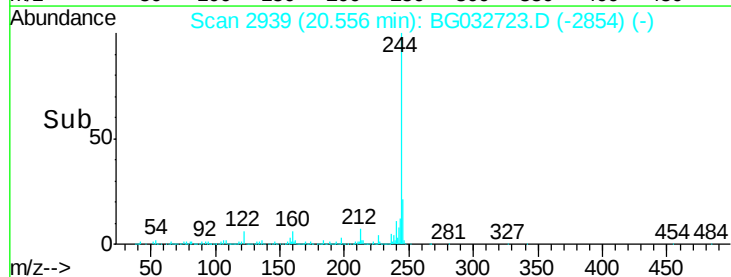
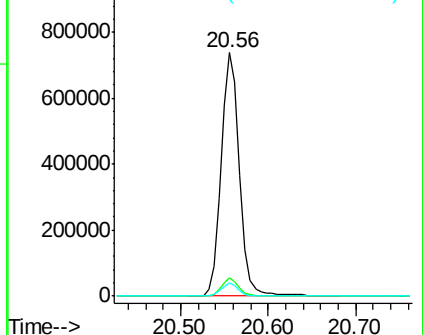
122 5.6 7.0 10.4#

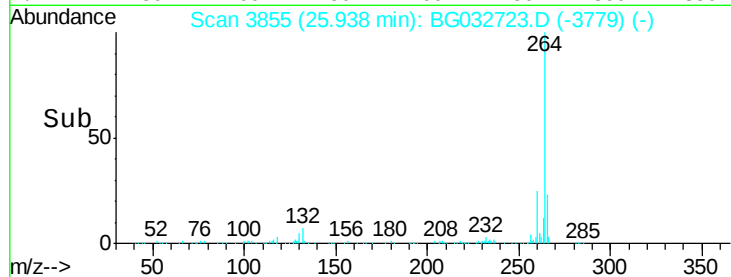
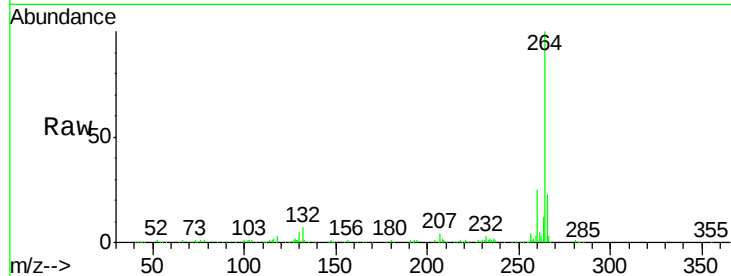
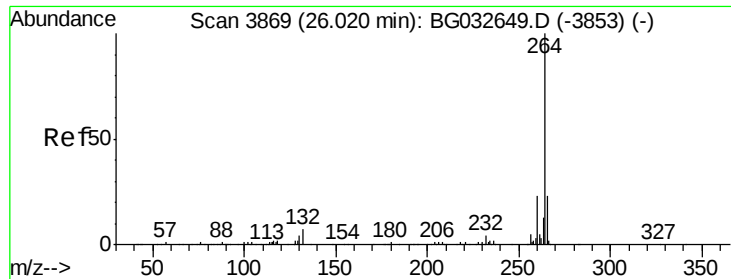


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.94 min Scan# 3855

Delta R.T. -0.08 min

Lab File: BG032723.D

Acq: 15 Feb 2018 21:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 284557

Ion	Ratio	Lower	Upper
264	100		
260	24.9	17.4	26.0
265	23.0	17.7	26.5

