

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034144.D
 Acq On : 3 May 2018 10:09
 Operator : SJ/JU
 Sample : J2667-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 11:53:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

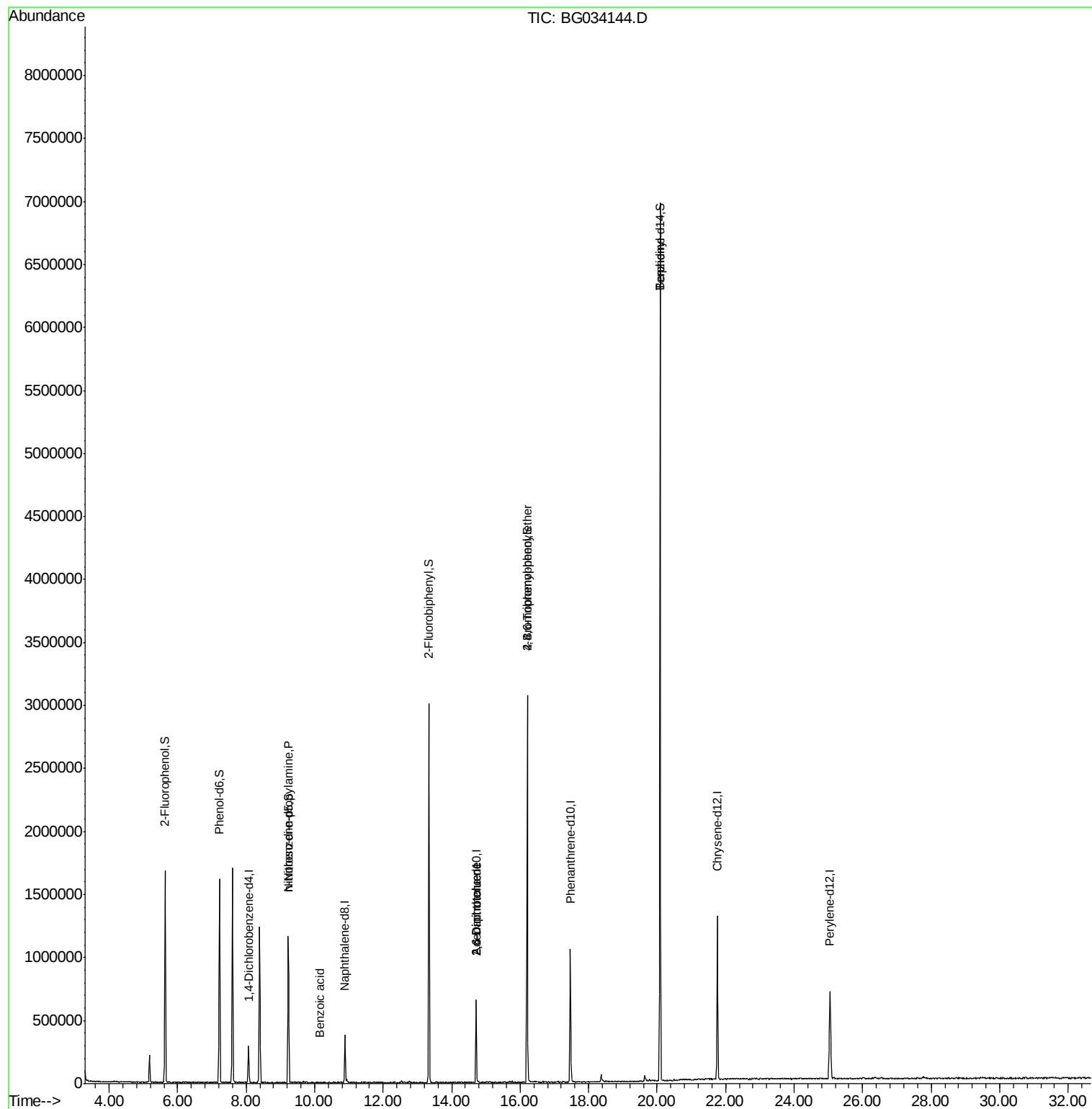
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	70225	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	270270	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	214547	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	662513	20.00	ng	0.00
75) Chrysene-d12	21.76	240	794855	20.00	ng	-0.01
86) Perylene-d12	25.05	264	767478	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	590682	135.90	ng	0.00
7) Phenol-d6	7.22	99	780012	115.27	ng	0.00
23) Nitrobenzene-d5	9.23	82	689525	97.89	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	493524	166.12	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1422014	96.58	ng	-0.01
78) Terphenyl-d14	20.08	244	3157082	87.01	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	2304	Below Cal	Qvalue	# 14
19) n-Nitroso-di-n-propylamine	9.24	70	111901	18.414 ng	#	70
32) Benzoic acid	10.15	122	171	3.166 ng	#	31
50) 2,6-Dinitrotoluene	14.71	165	26762	7.490 ng	#	22
56) 2,4-Dinitrotoluene	14.71	165	26762	5.516 ng	#	19
66) 4-Bromophenyl-phenylether	16.21	248	41936	5.098 ng	#	1
76) Benzydine	20.08	184	69935	3.416 ng	#	93

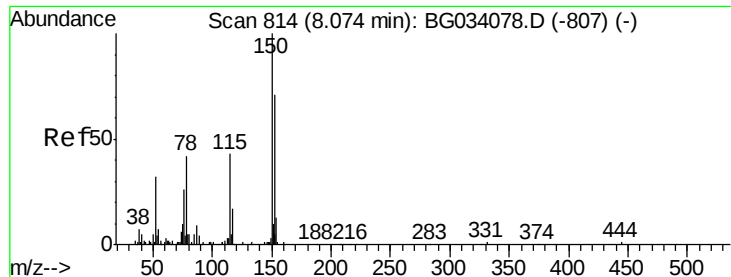
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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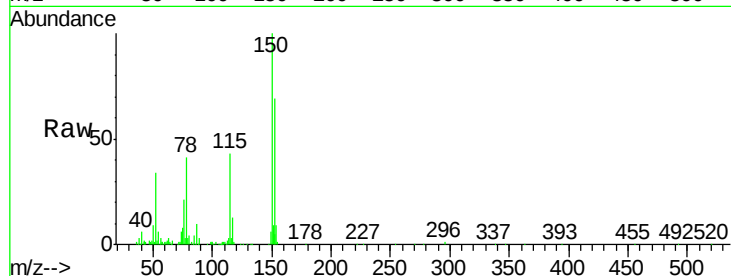


#1

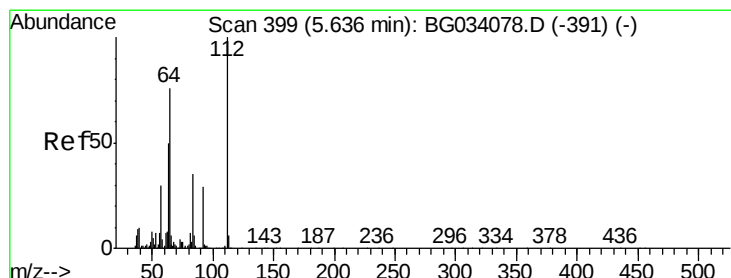
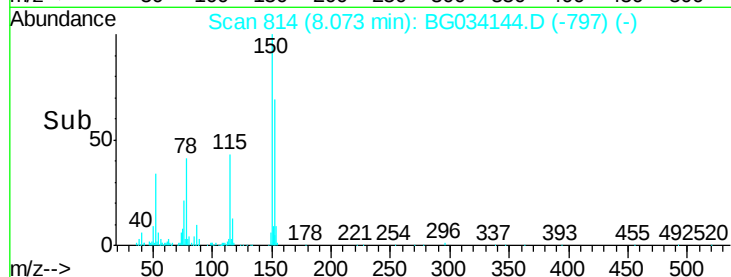
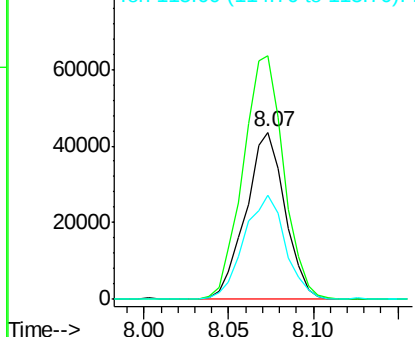
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034144.D
Acq: 3 May 2018 10:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 70225
Ion Ratio Lower Upper
152 100
150 145.8 126.6 189.8
115 62.3 53.0 79.4



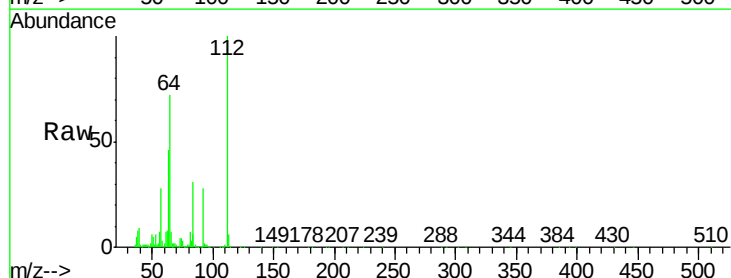
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



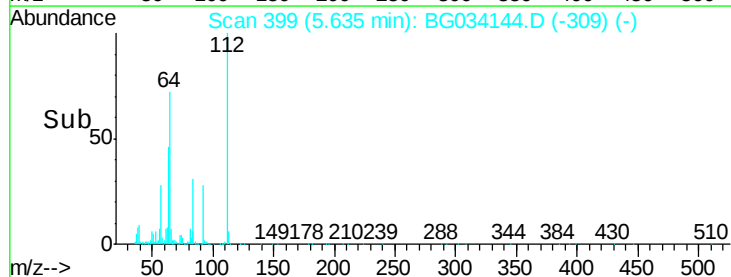
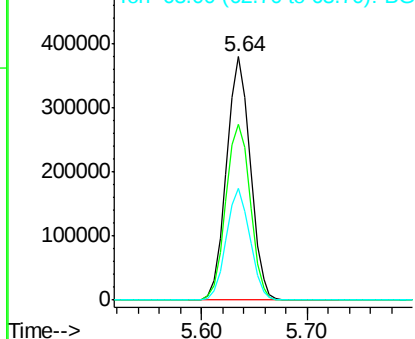
#5

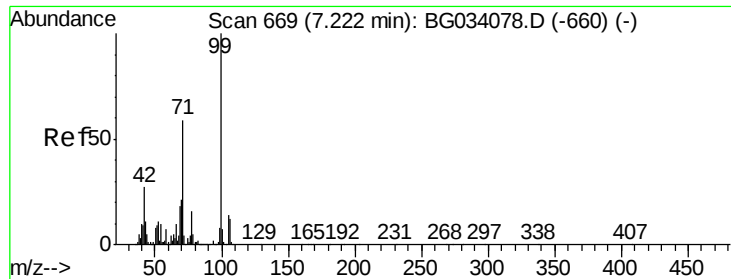
2-Fluorophenol
Concen: 135.895 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG034144.D
Acq: 3 May 2018 10:09

Tgt Ion:112 Resp: 590682
Ion Ratio Lower Upper
112 100
64 72.1 56.3 84.5
63 46.1 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.270 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

Instrument :

BNA_G

ClientSampleId :

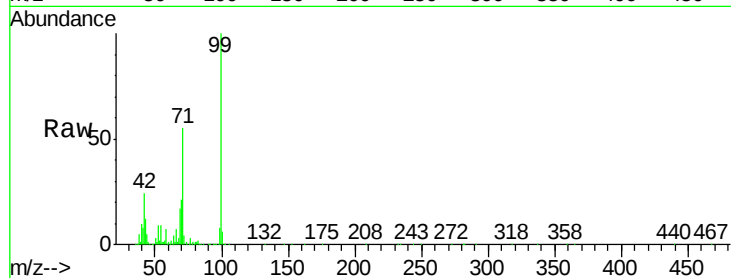
Tot Ion: 99 Resp: 780012

Ion Ratio Lower Upper

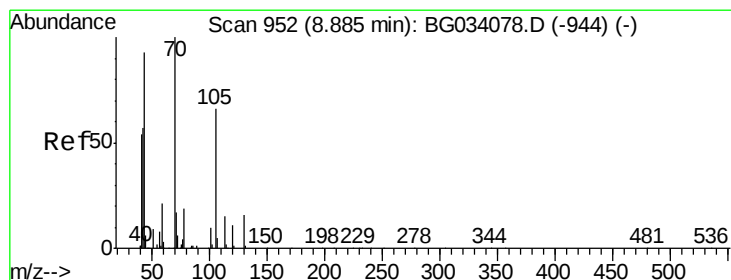
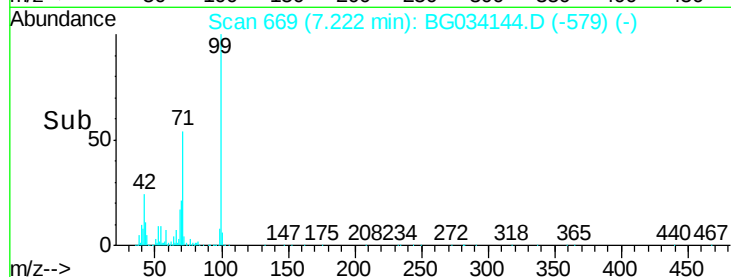
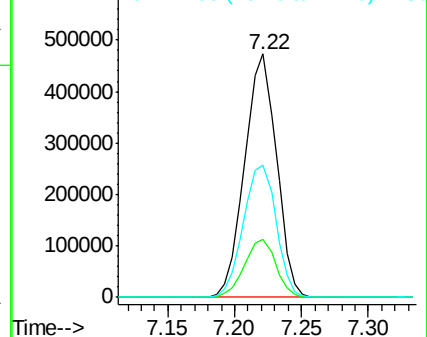
99 100

42 23.6 14.1 21.1#

71 54.5 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: 18.414 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

Tgt Ion: 70 Resp: 111901

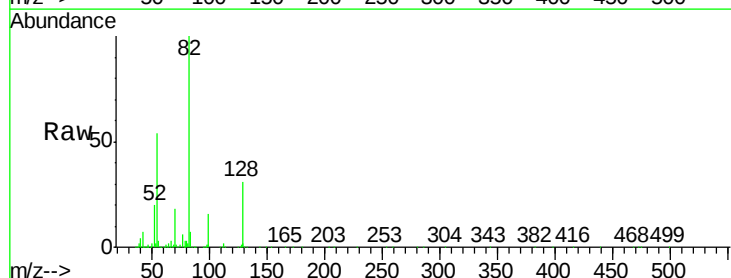
Ion Ratio Lower Upper

70 100

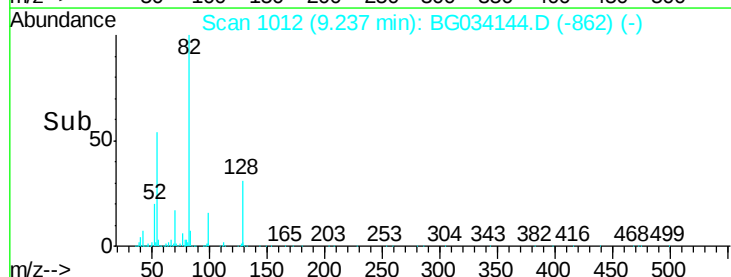
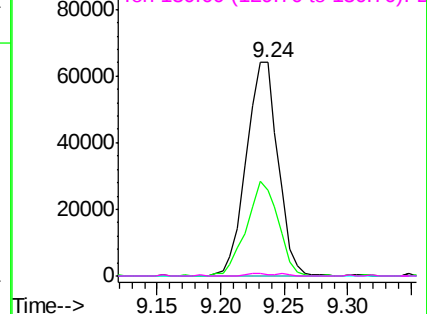
42 40.1 49.1 73.7#

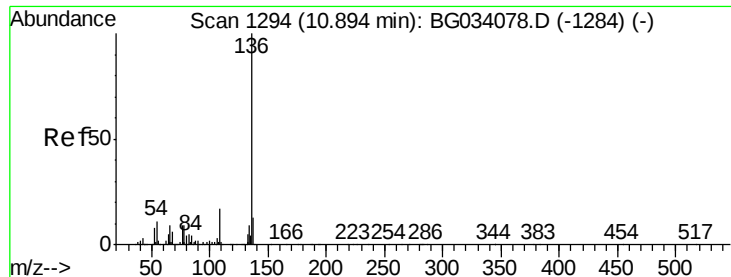
101 0.0 8.5 12.7#

130 0.7 13.4 20.0#



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

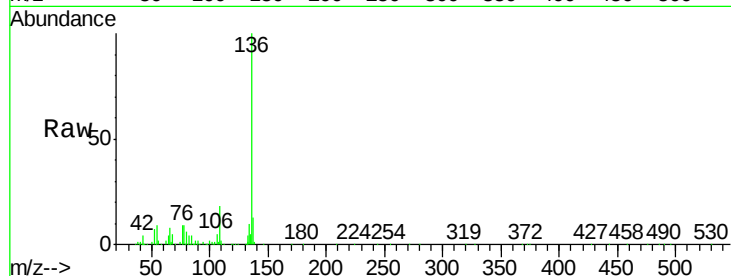




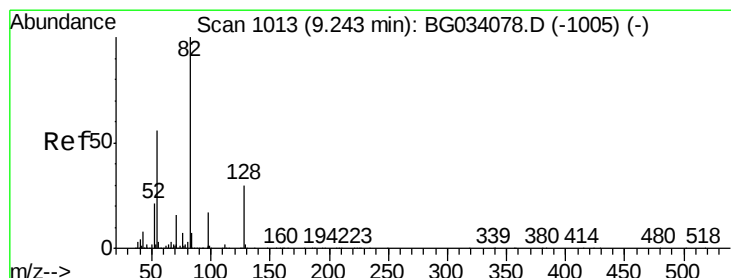
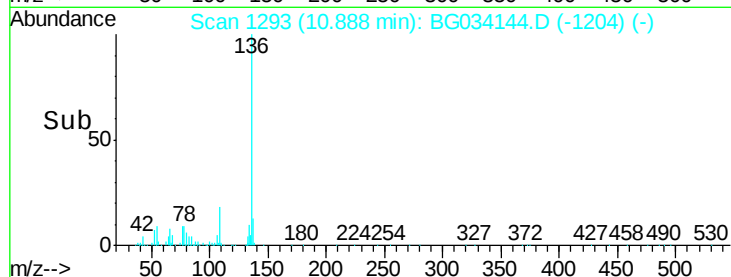
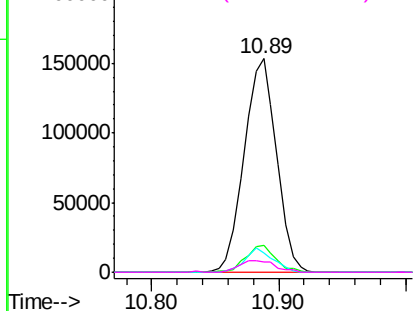
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034144.D
Acq: 3 May 2018 10:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	270270
Ion Ratio	Lower	Upper
136	100	
137	12.6	9.2 13.8
54	8.7	10.3 15.5#
68	4.7	4.5 6.7

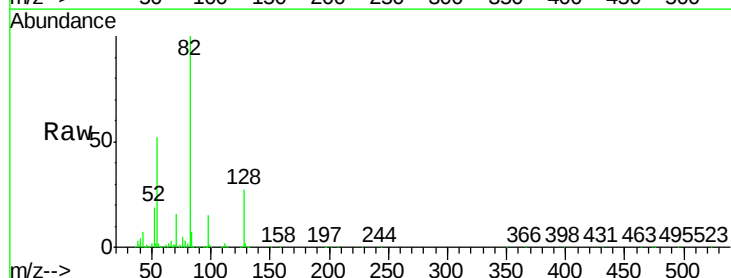


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

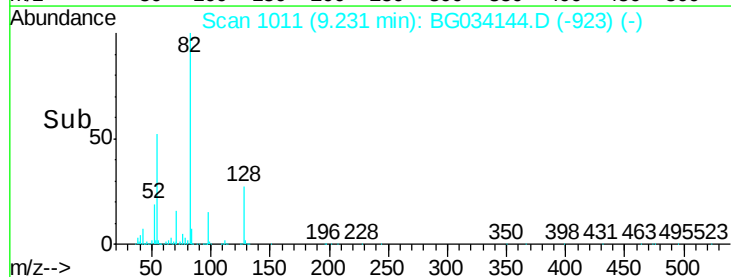
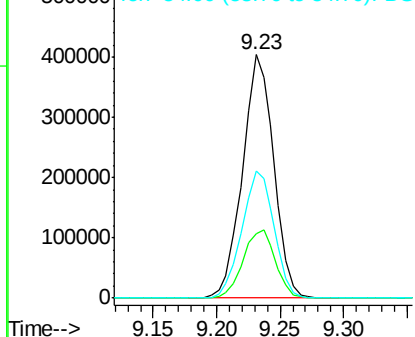


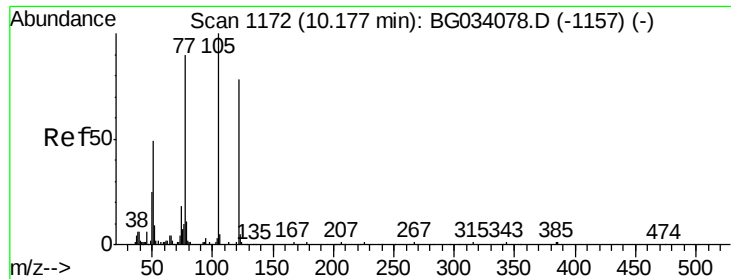
#23
Nitrobenzene-d5
Concen: 97.886 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG034144.D
Acq: 3 May 2018 10:09

Tgt Ion: 82	Resp:	689525
Ion Ratio	Lower	Upper
82	100	
128	26.7	29.7 44.5#
54	52.1	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 3.166 ng

RT: 10.15 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

Instrument :

BNA_G

ClientSampleId :

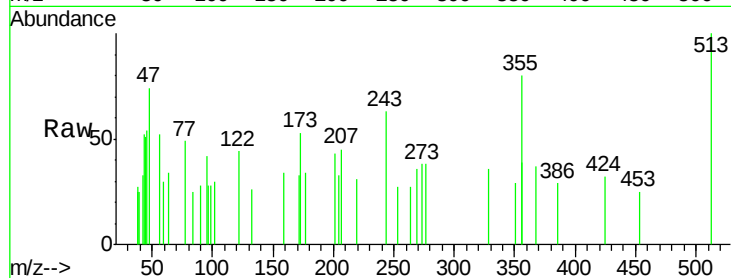
Tot Ion:122 Resp: 171

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 110.3 85.7 125.7

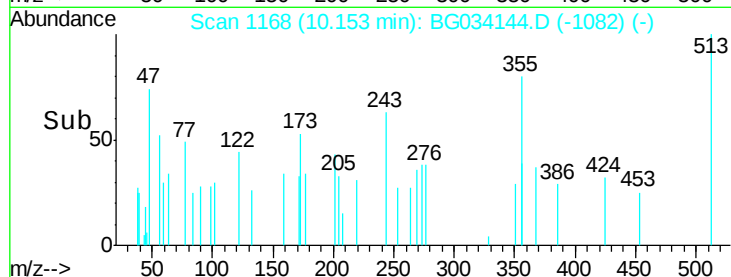


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time-->

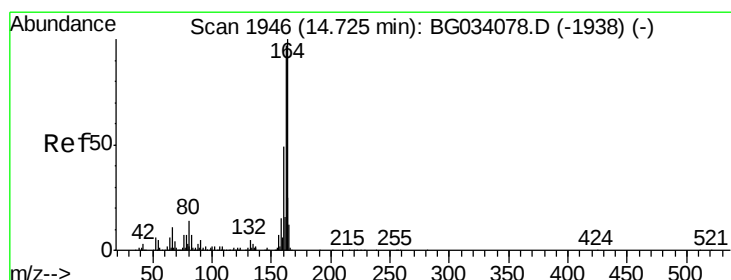


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

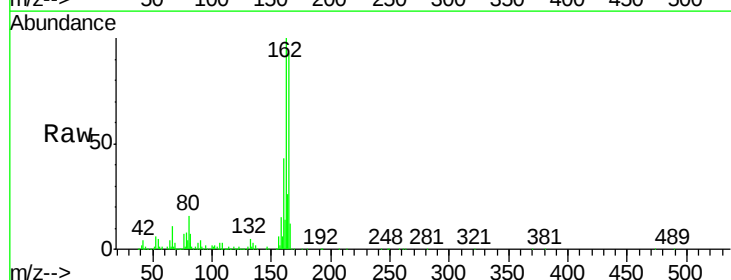
Tgt Ion:164 Resp: 214547

Ion Ratio Lower Upper

164 100

162 107.1 78.8 118.2

160 46.0 35.4 53.0

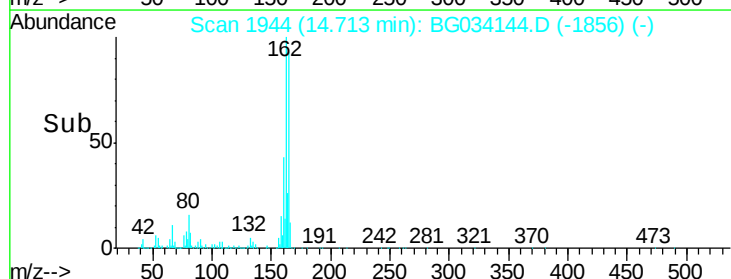


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

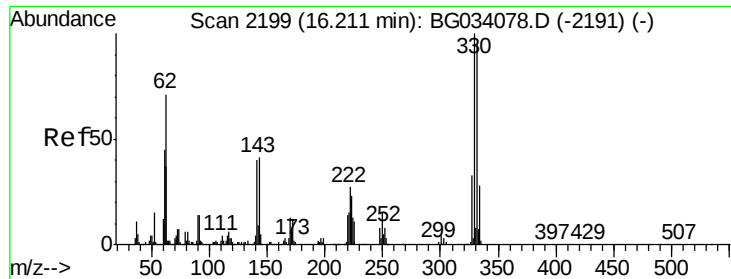


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

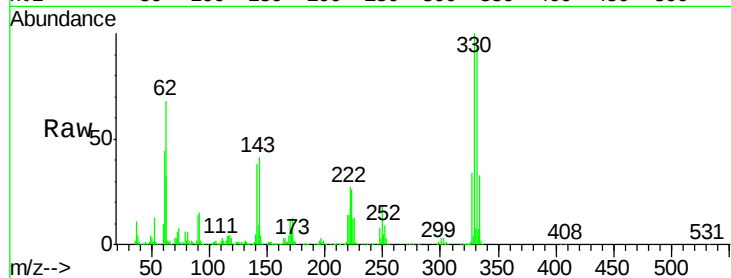
Time-->



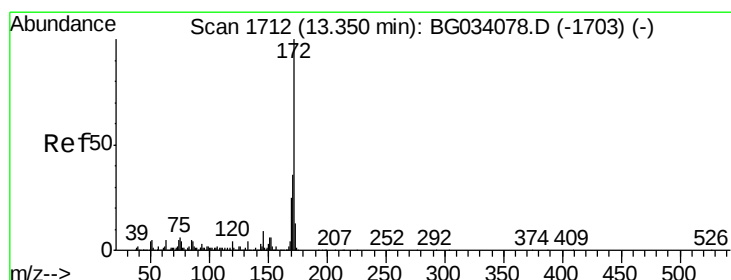
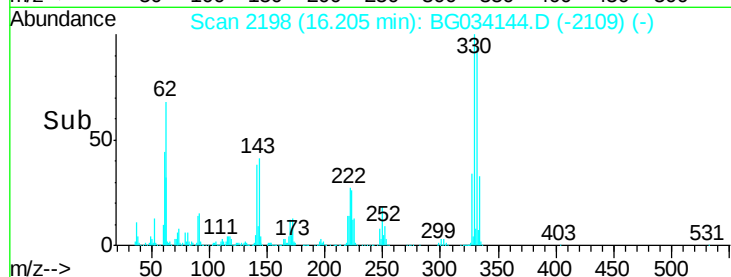
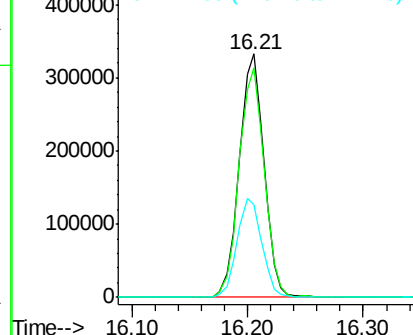
#41
 2,4,6-Tribromophenol
 Concen: 166.122 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 493524
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 40.9 25.2 37.8#

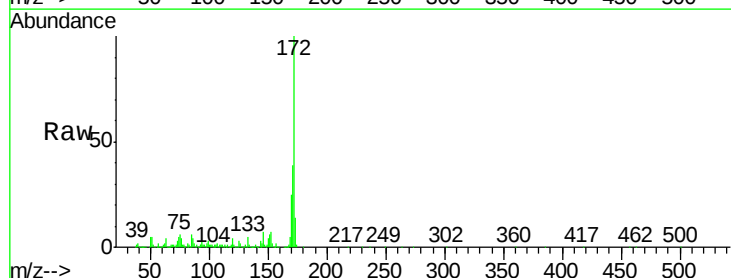


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

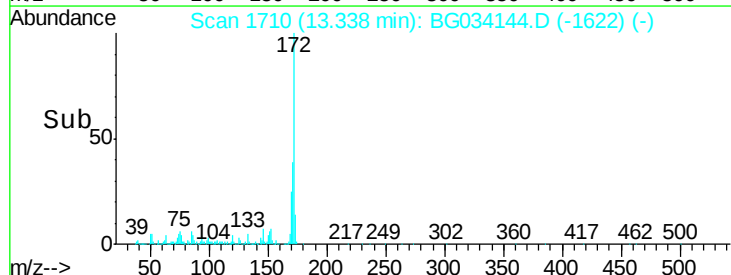
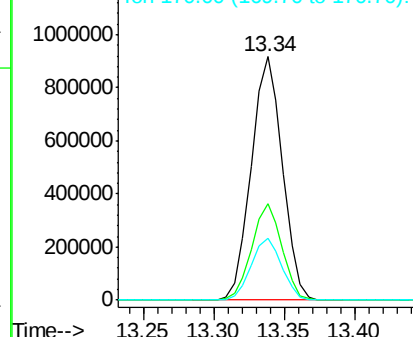


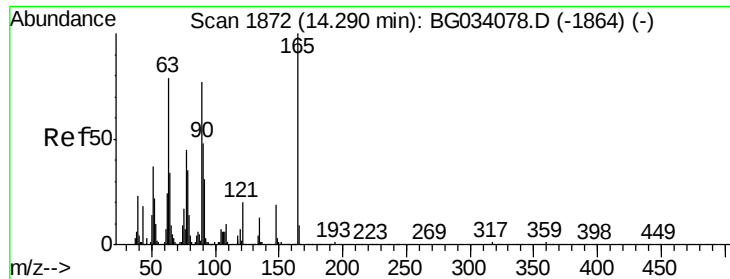
#44
 2-Fluorobiphenyl
 Concen: 96.580 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

Tgt Ion:172 Resp: 1422014
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.0 45.0
 170 25.2 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

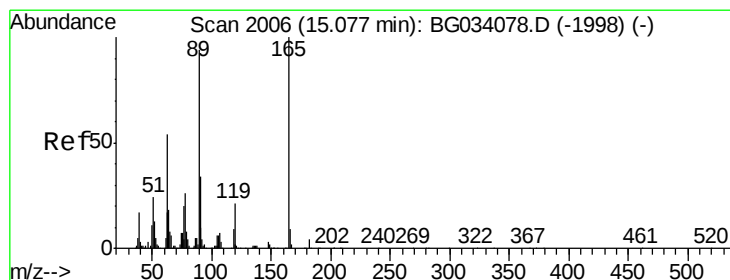
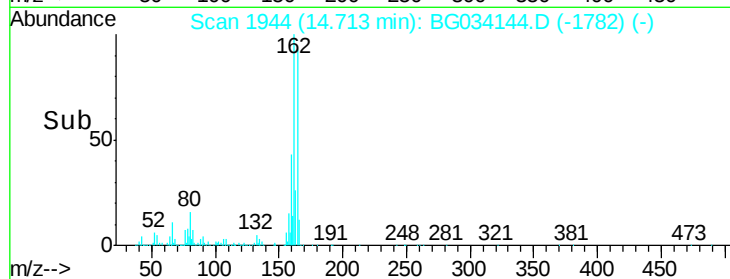
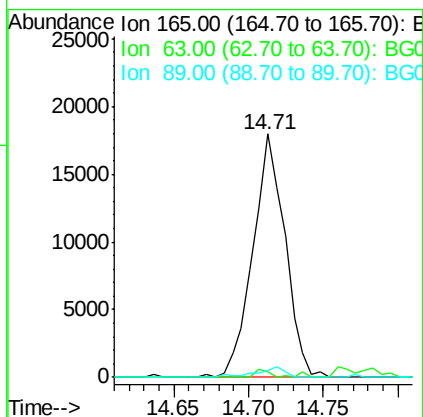
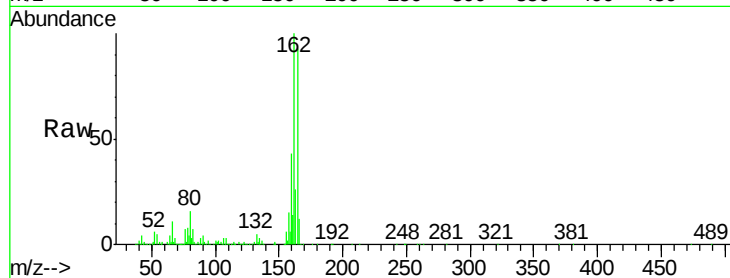




#50
 2,6-Dinitrotoluene
 Concen: 7.490 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.42 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

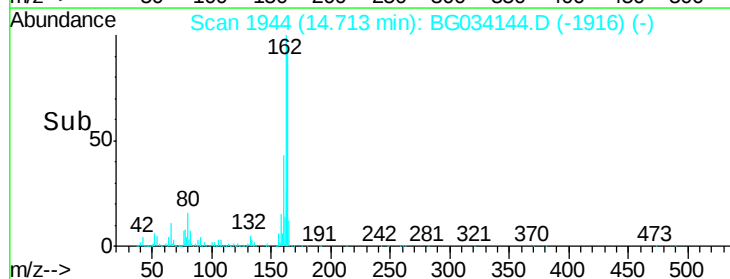
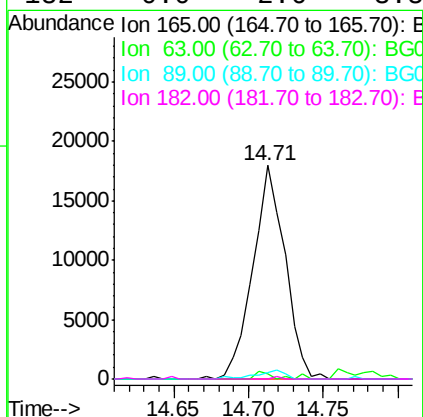
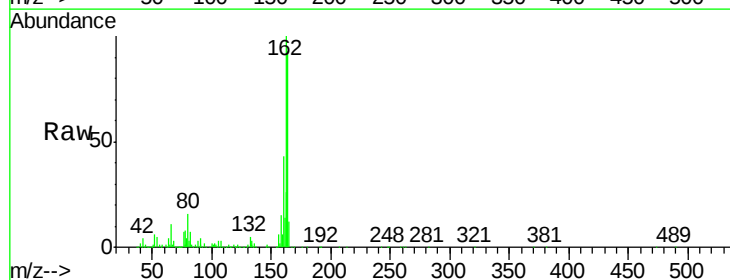
Instrument :
 BNA_G
 ClientSampleId :

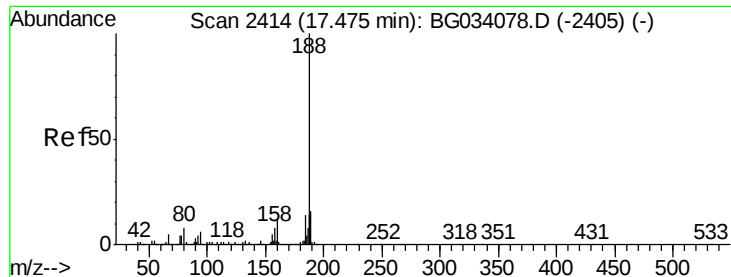
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	2.8	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.516 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.36 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	2.8	66.9	100.3#
182	0.0	2.6	3.8#

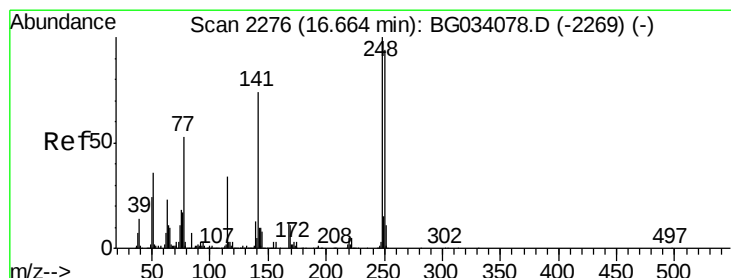
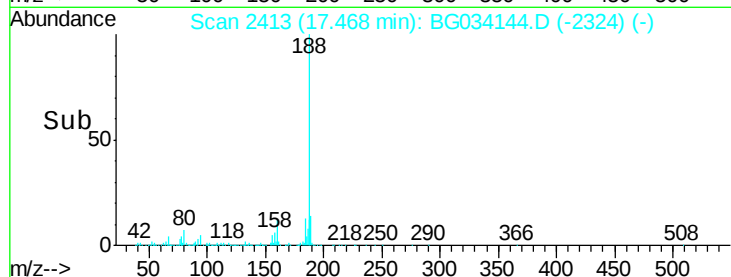
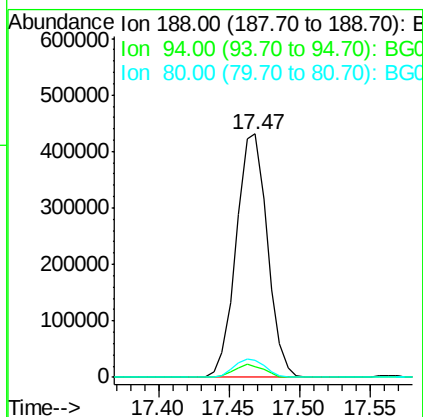
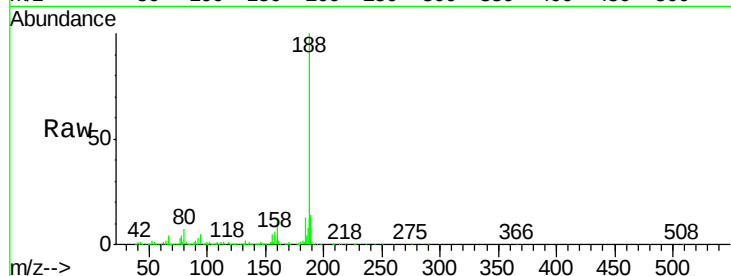




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

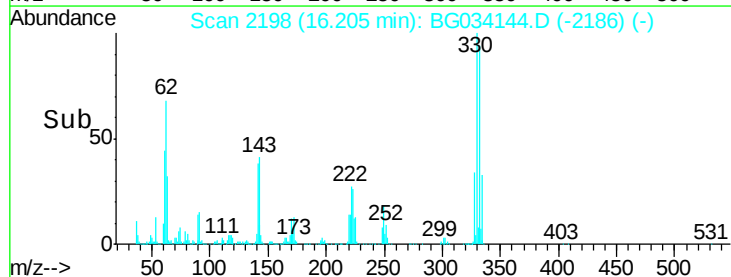
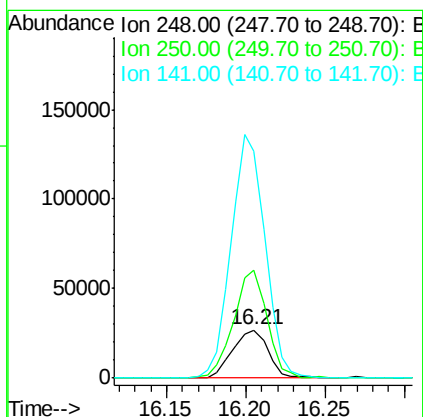
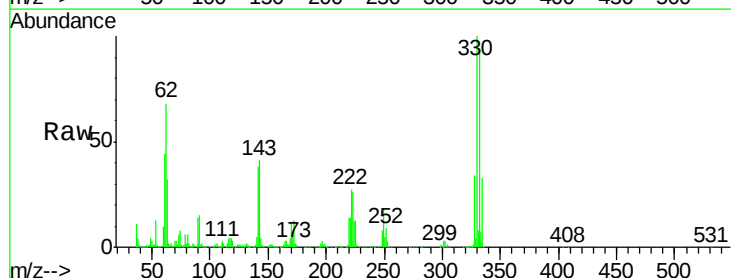
Instrument :
 BNA_G
 ClientSampleId :

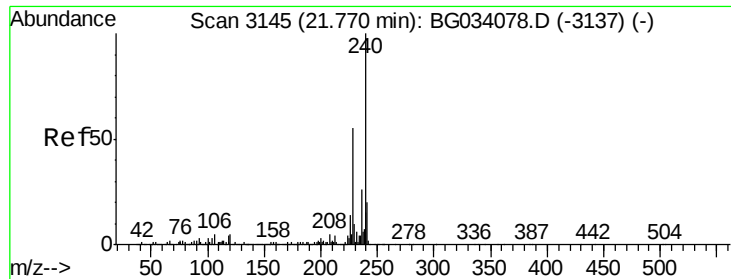
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	6.9	7.7	11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.098 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.46 min
 Lab File: BG034144.D
 Acq: 3 May 2018 10:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	224.1	77.1	115.7#
141	469.2	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

Instrument :

BNA_G

ClientSampleId :

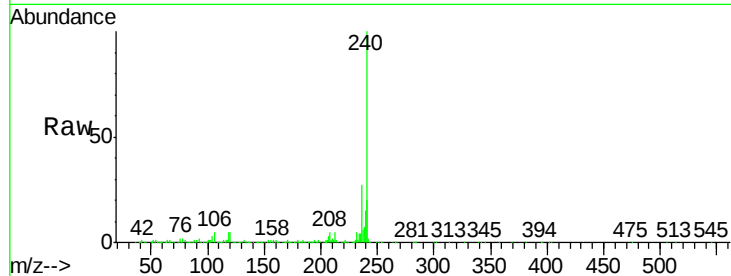
Tot Ion:240 Resp: 794855

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

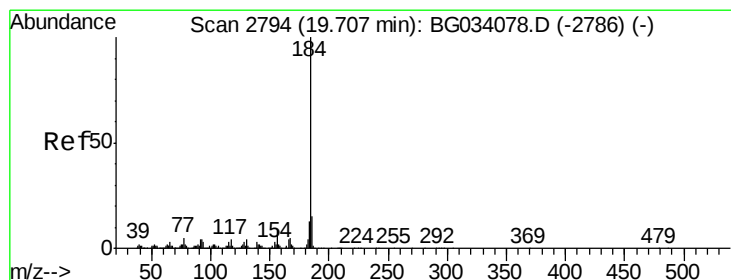
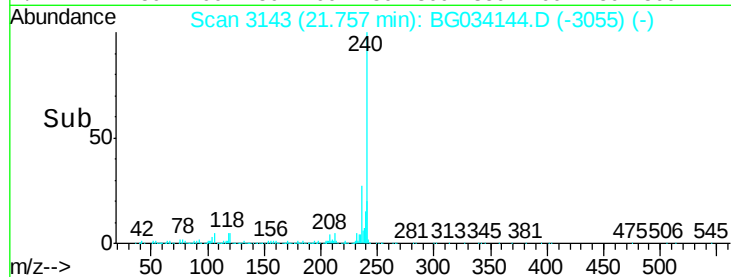
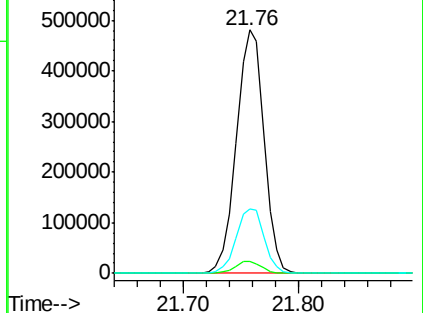
236 26.6 20.9 31.3



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: 3.416 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.38 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

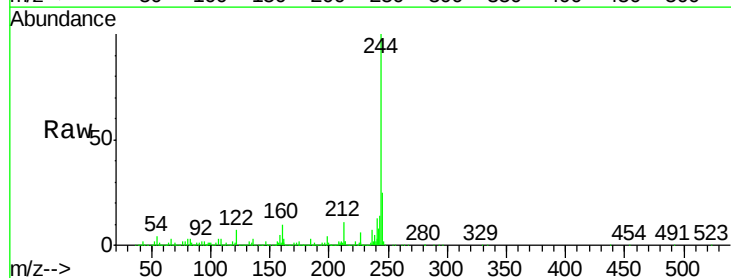
Tgt Ion:184 Resp: 69935

Ion Ratio Lower Upper

184 100

185 12.7 11.1 16.7

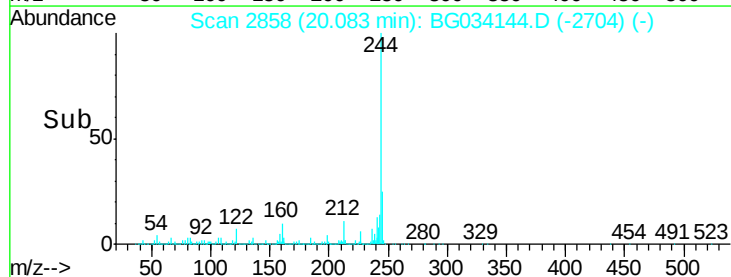
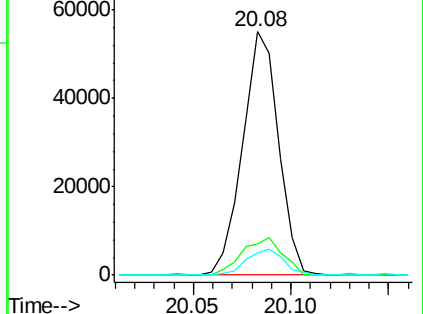
183 9.0 10.6 16.0#

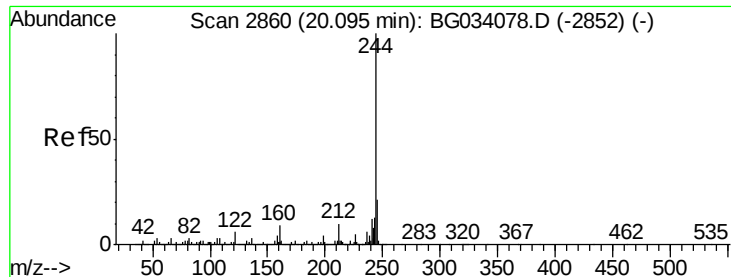


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.011 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

Instrument :

BNA_G

ClientSampled :

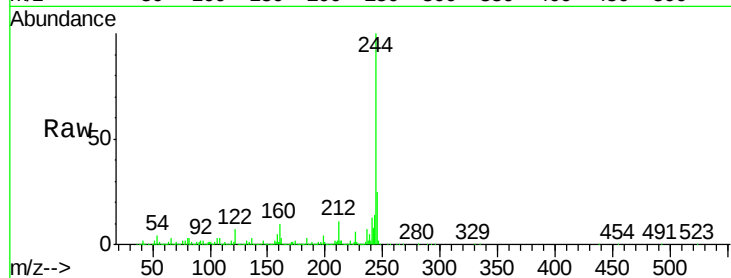
Tot Ion:244 Resp: 3157082

Ion Ratio Lower Upper

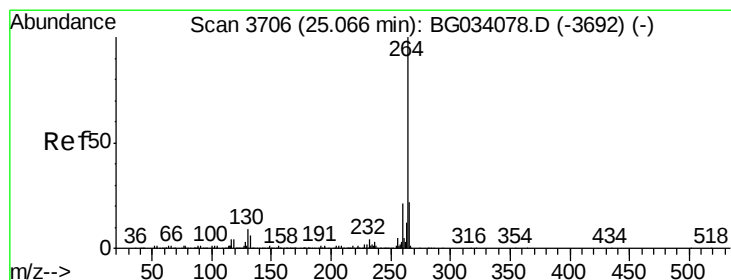
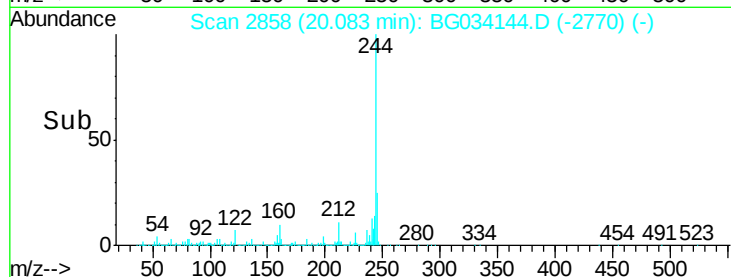
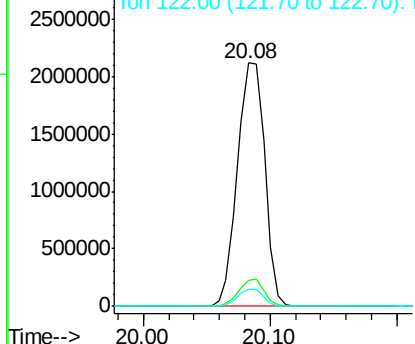
244 100

212 10.9 5.8 8.8#

122 7.2 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: 20.000 ng

RT: 25.05 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG034144.D

Acq: 3 May 2018 10:09

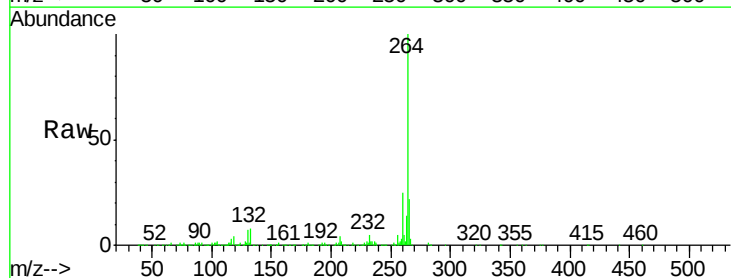
Tgt Ion:264 Resp: 767478

Ion Ratio Lower Upper

264 100

260 25.5 17.4 26.0

265 22.1 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

