

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034113.D
 Acq On : 2 May 2018 13:06
 Operator : SJ/JU
 Sample : J2616-06
 Misc : 8PPM MDL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 14:31:21 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

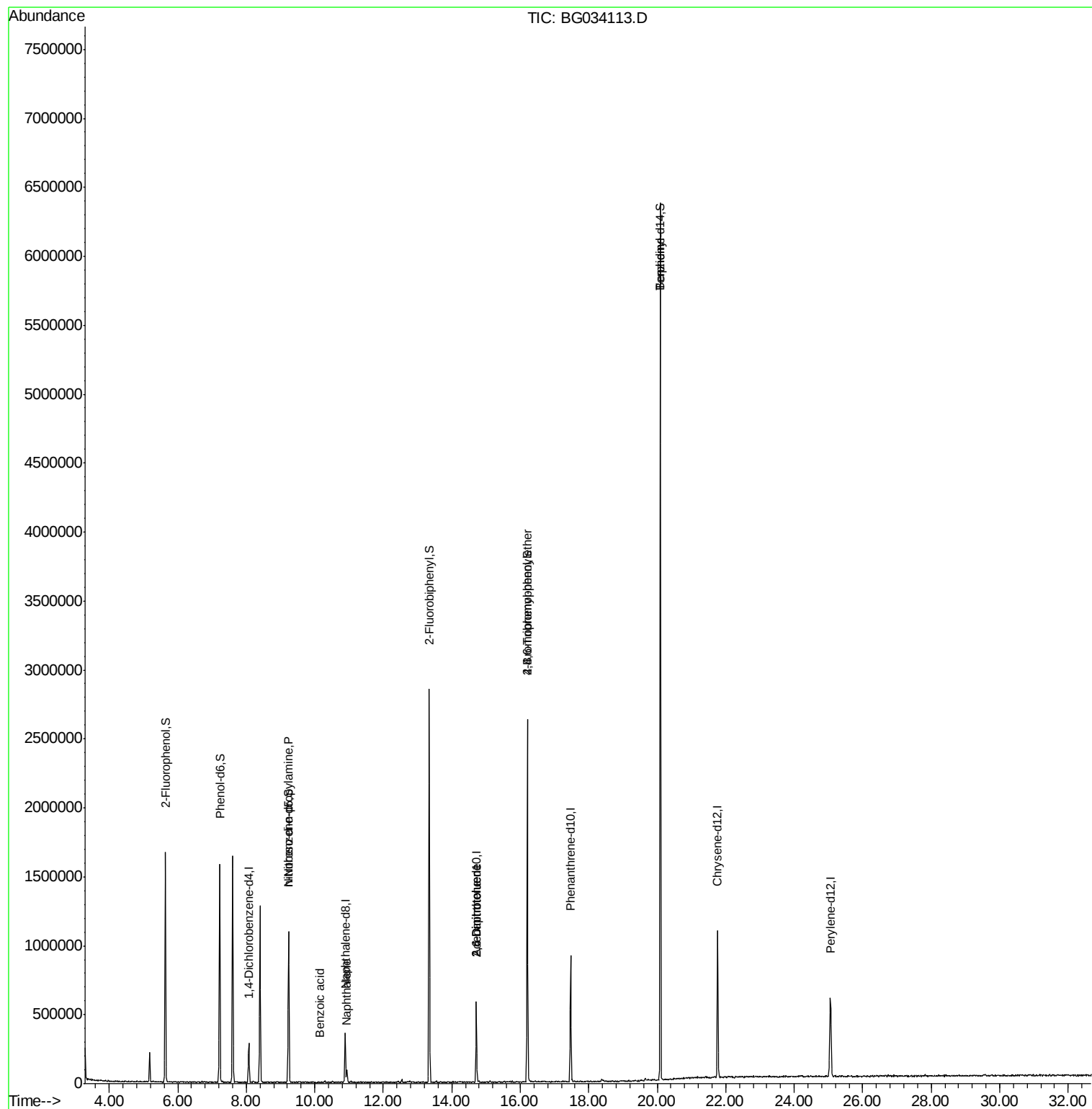
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	68507	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	252497	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	193509	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	546097	20.00	ng	0.00
75) Chrysene-d12	21.76	240	663962	20.00	ng	0.00
86) Perylene-d12	25.06	264	640437	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	568663	134.11	ng	0.00
7) Phenol-d6	7.22	99	763894	115.72	ng	0.00
23) Nitrobenzene-d5	9.23	82	662887	100.73	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	417442	155.79	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1367865	103.00	ng	0.00
78) Terphenyl-d14	20.09	244	2858943	94.33	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	2091	Below Cal	Qvalue	# 13
19) n-Nitroso-di-n-propylamine	9.24	70	104662	17.655 ng	#	68
31) Naphthalene	10.94	128	66667	5.023 ng	#	93
32) Benzoic acid	10.16	122	85	3.143 ng	#	35
50) 2,6-Dinitrotoluene	14.72	165	25723	7.982 ng	#	21
56) 2,4-Dinitrotoluene	14.72	165	25723	5.878 ng	#	19
66) 4-Bromophenyl-phenylether	16.21	248	37729	5.565 ng	#	1
76) Benzydine	20.09	184	61696	3.607 ng	#	94

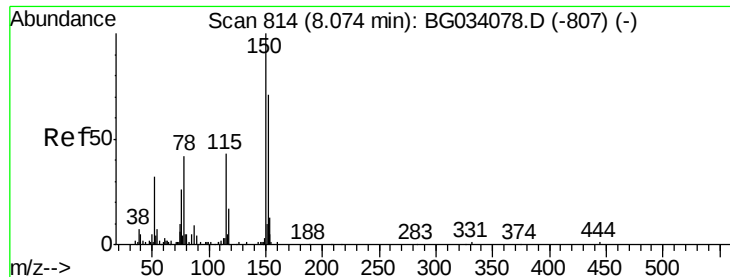
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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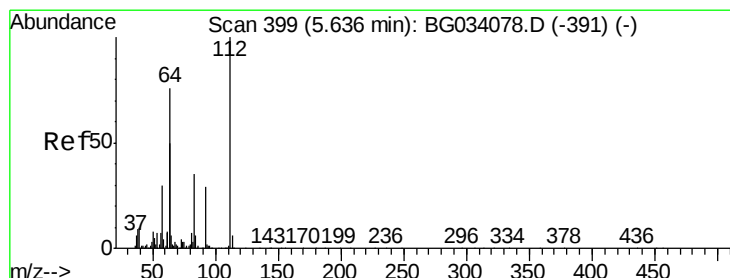
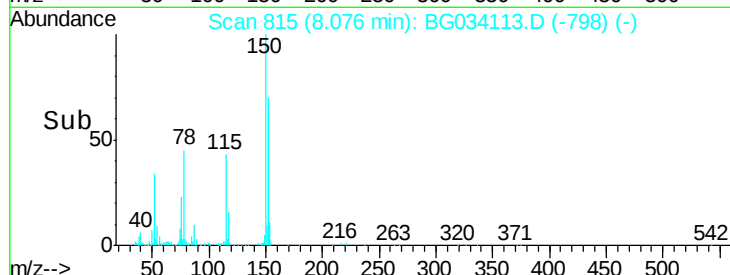
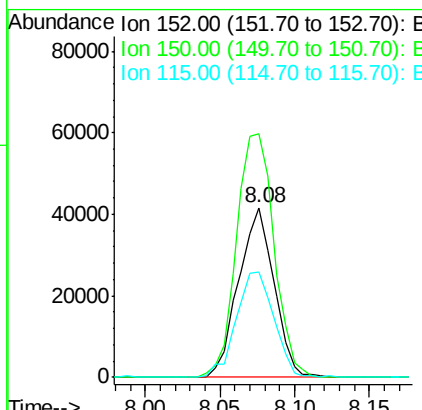
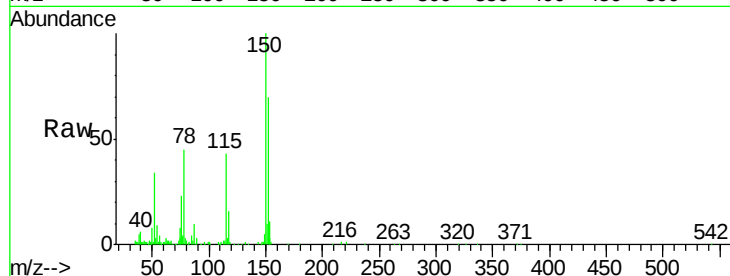


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. 0.00 min
Lab File: BG034113.D
Acq: 2 May 2018 13:06

Instrument :
BNA_G
ClientSampleId :

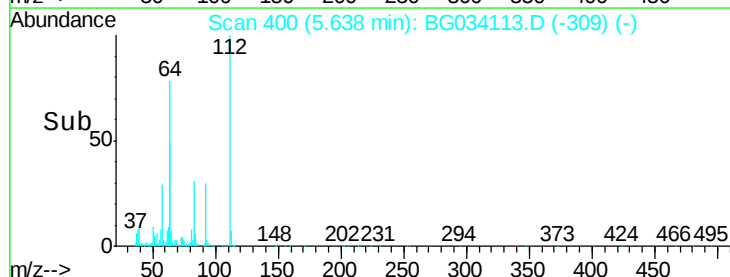
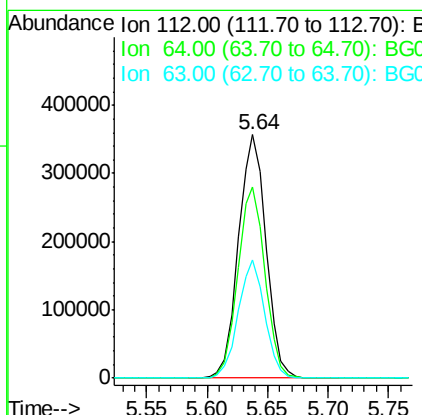
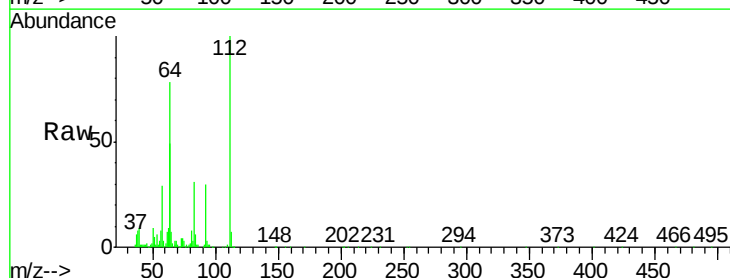
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.6	126.6	189.8
115	62.3	53.0	79.4

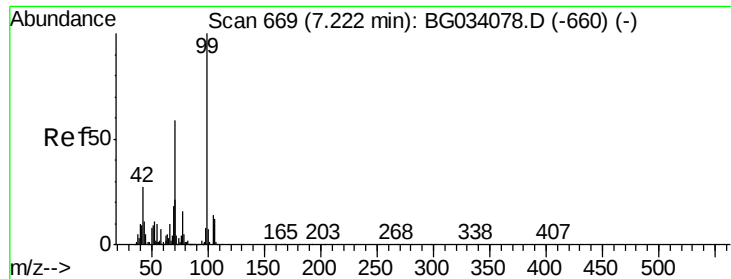


#5

2-Fluorophenol
Concen: 134.110 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034113.D
Acq: 2 May 2018 13:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.3	56.3	84.5
63	48.6	30.1	45.1





#7

Phenol-d6

Concen: 115.719 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

Instrument :

BNA_G

ClientSampleId :

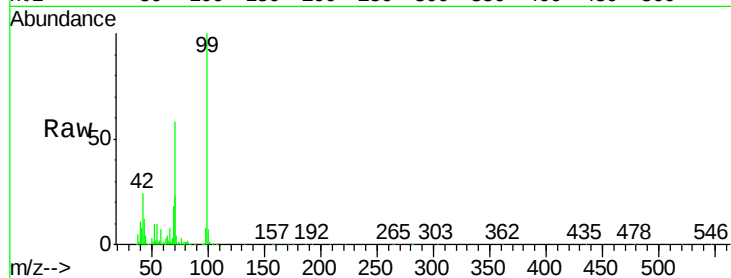
Tot Ion: 99 Resp: 763894

Ion Ratio Lower Upper

99 100

42 23.8 14.1 21.1#

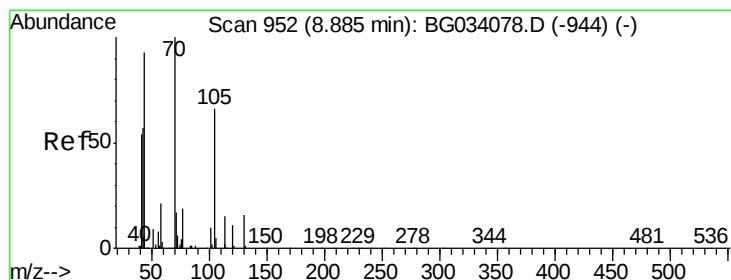
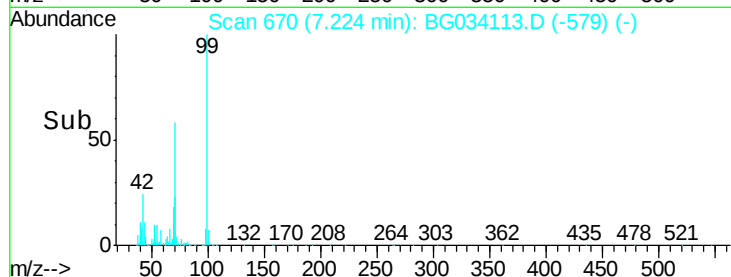
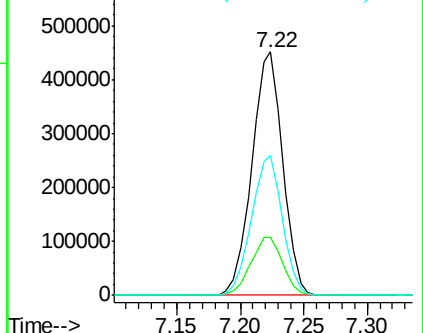
71 57.7 26.1 39.1#



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: 17.655 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.35 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

Tgt Ion: 70 Resp: 104662

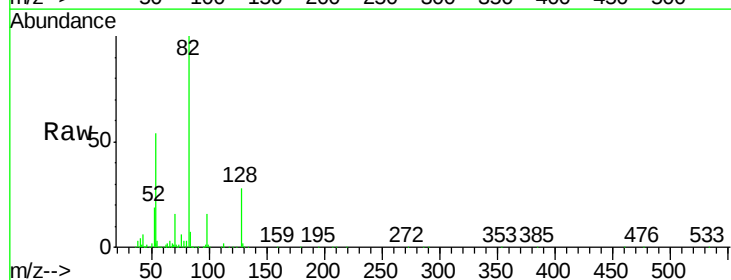
Ion Ratio Lower Upper

70 100

42 37.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

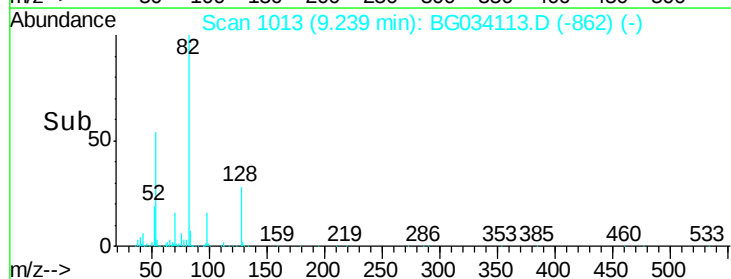
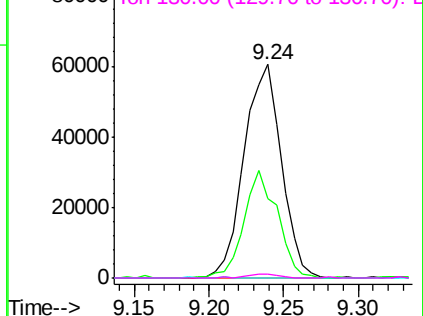


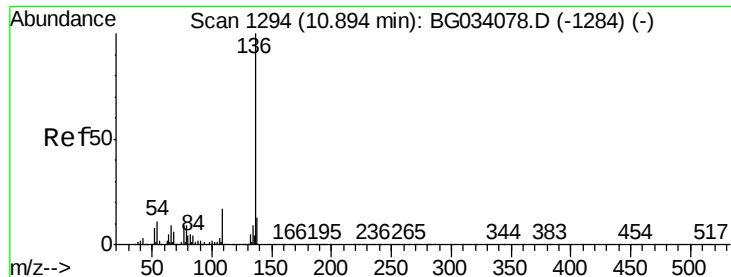
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.000 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BG034113.D

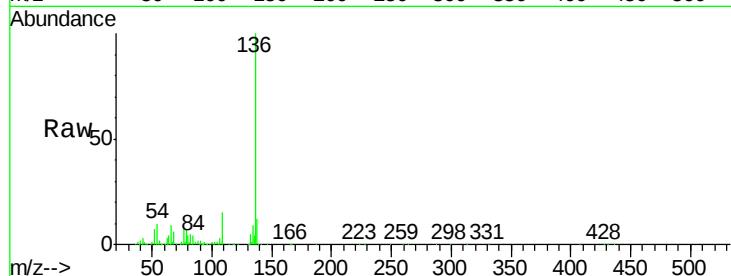
Acq: 2 May 2018 13:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	252497
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	10.2	10.3	15.5#
68	5.9	4.5	6.7

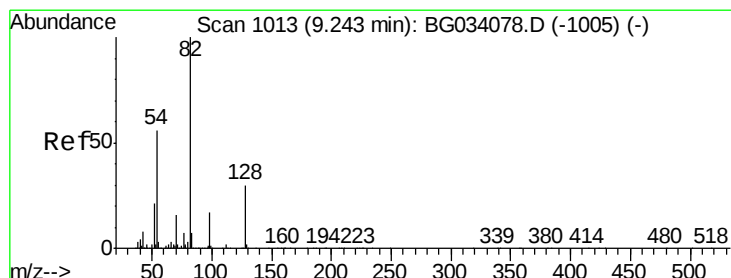
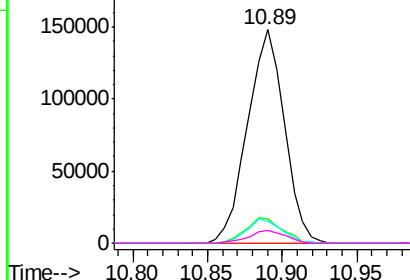
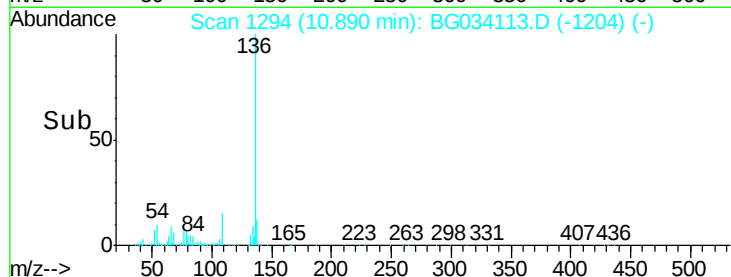


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 100.729 ng

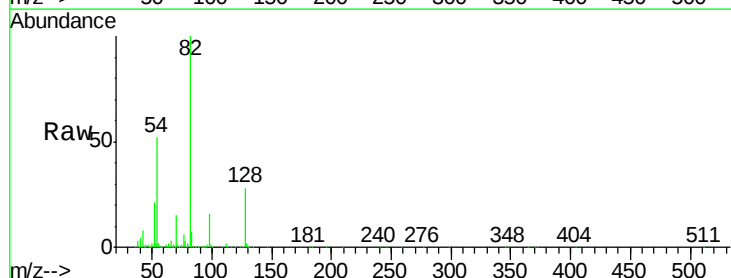
RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

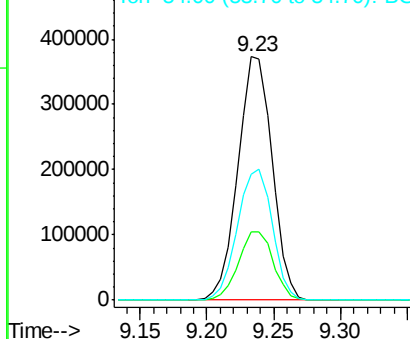
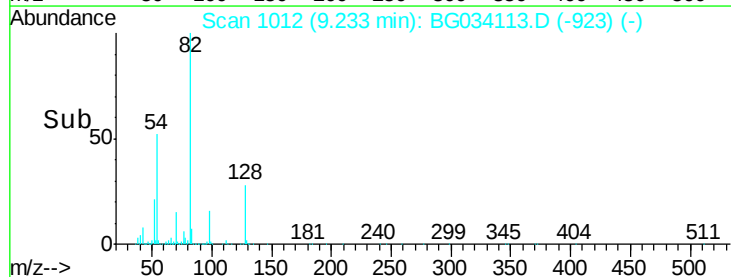
Tgt Ion:	82	Resp:	662887
Ion	Ratio	Lower	Upper
82	100		
128	28.0	29.7	44.5#
54	51.9	43.1	64.7

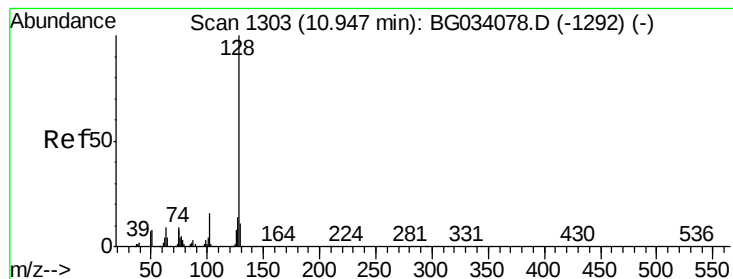


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#31

Naphthalene

Concen: 5.023 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

Instrument :

BNA_G

ClientSampleId :

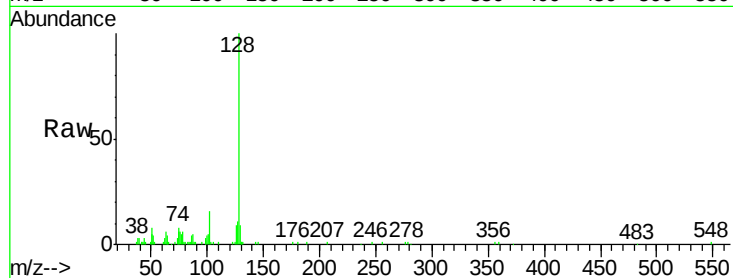
Tot Ion:128 Resp: 66667

Ion Ratio Lower Upper

128 100

129 9.0 8.6 12.8

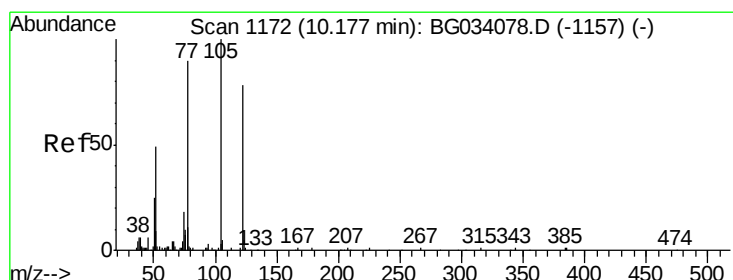
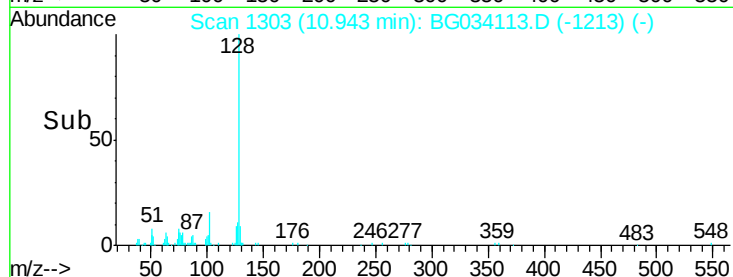
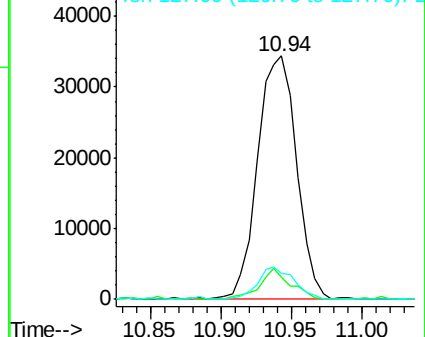
127 10.6 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.143 ng

RT: 10.16 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

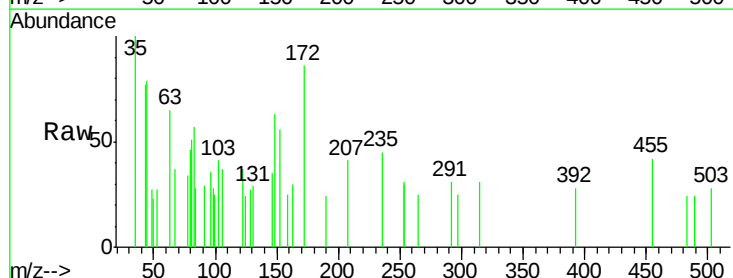
Tgt Ion:122 Resp: 85

Ion Ratio Lower Upper

122 100

105 97.9 123.5 163.5#

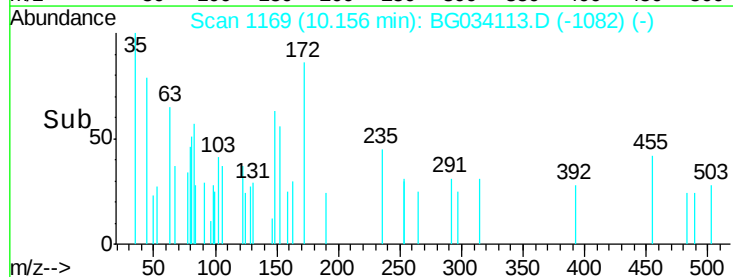
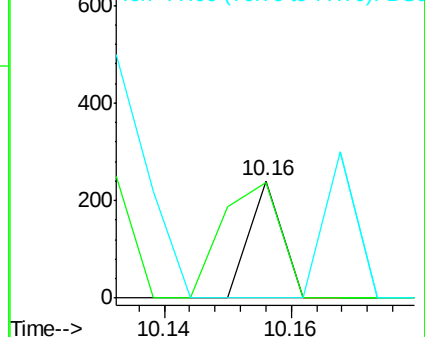
77 0.0 85.7 125.7#

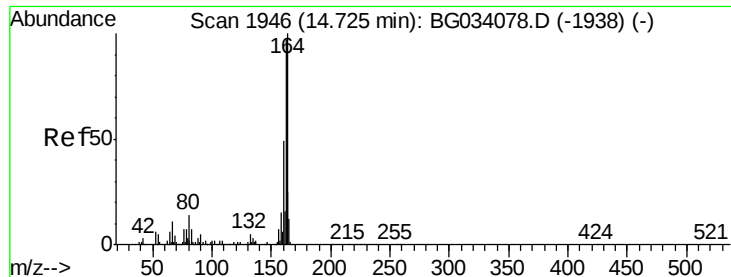


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

Instrument :

BNA_G

ClientSampleId :

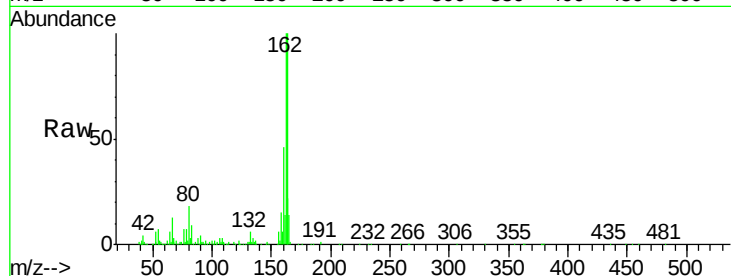
Tot Ion:164 Resp: 193509

Ion Ratio Lower Upper

164 100

162 100.5 78.8 118.2

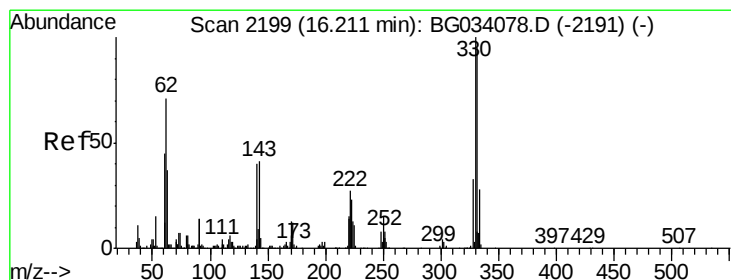
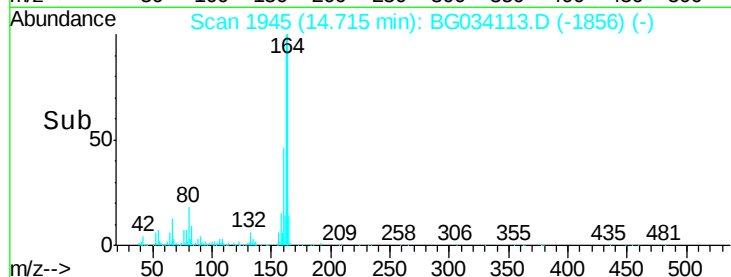
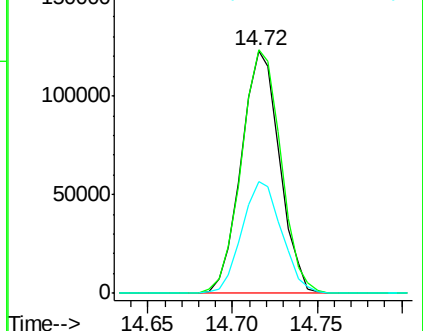
160 46.0 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 155.789 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

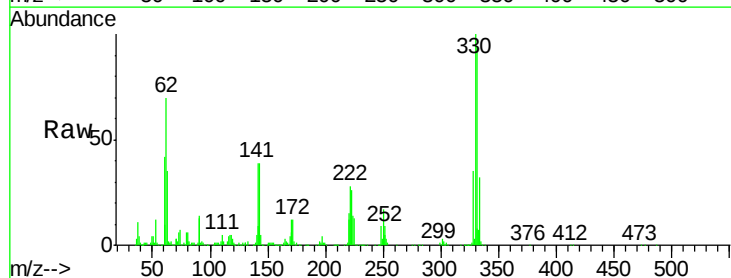
Tgt Ion:330 Resp: 417442

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

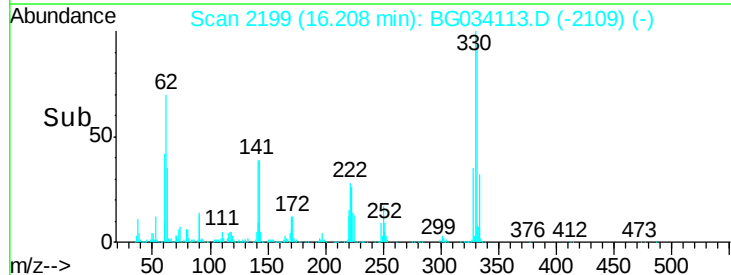
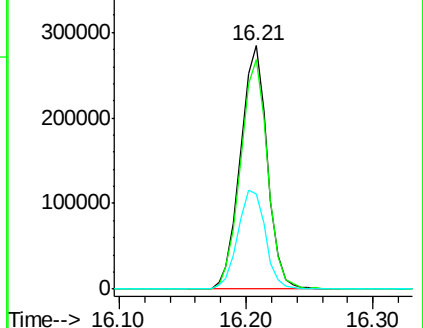
141 41.7 25.2 37.8#

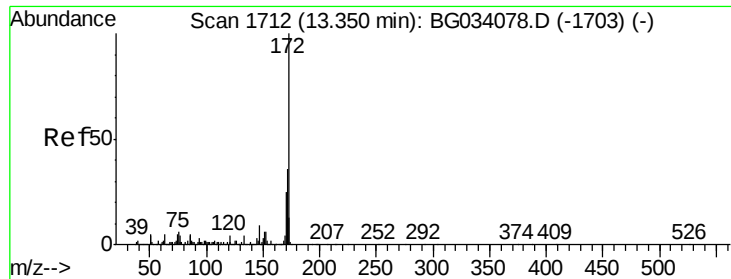


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



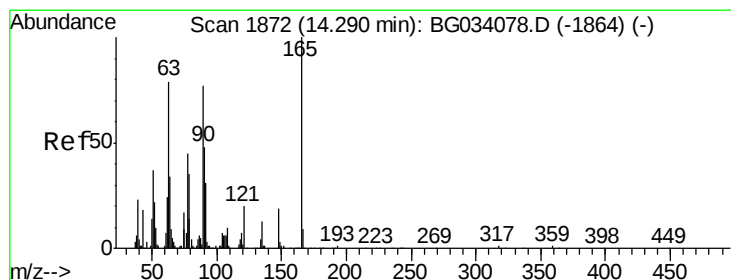
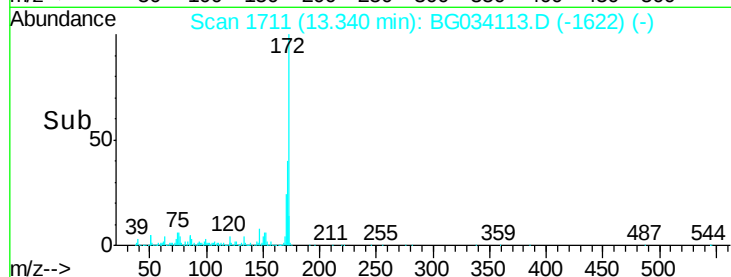
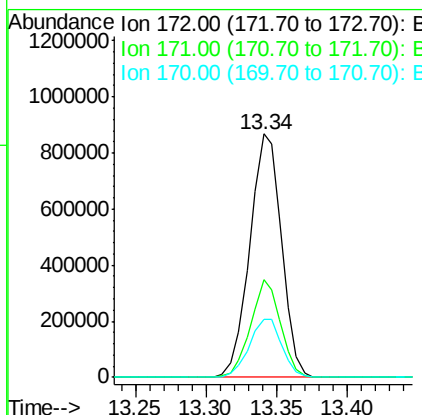
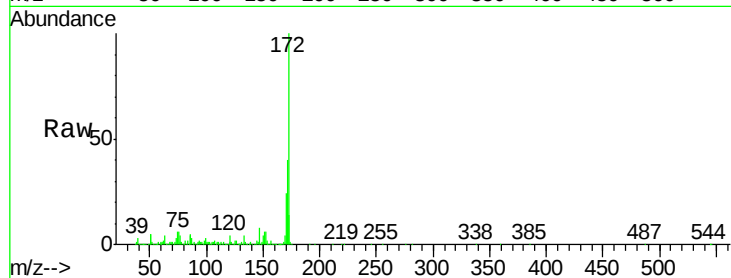


#44
 2-Fluorobiphenyl
 Concen: 103.003 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034113.D
 Acq: 2 May 2018 13:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1367865

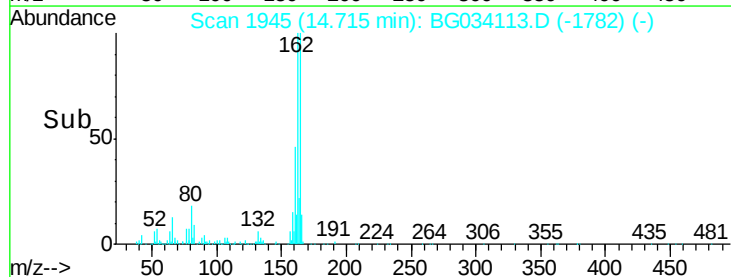
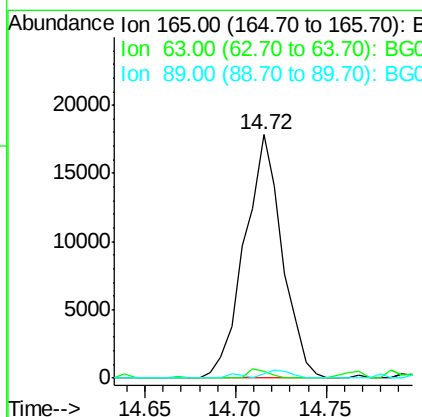
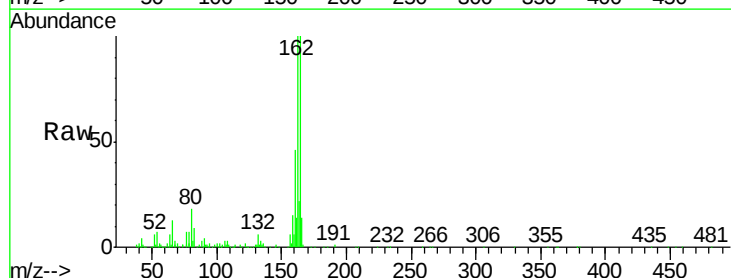
Ion	Ratio	Lower	Upper
172	100		
171	40.1	30.0	45.0
170	24.0	19.5	29.3

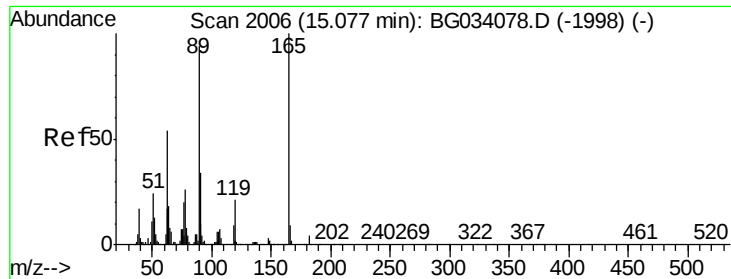


#50
 2,6-Dinitrotoluene
 Concen: 7.982 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.43 min
 Lab File: BG034113.D
 Acq: 2 May 2018 13:06

Tgt Ion:165 Resp: 25723

Ion	Ratio	Lower	Upper
165	100		
63	2.7	52.7	79.1#
89	1.9	49.2	73.8#

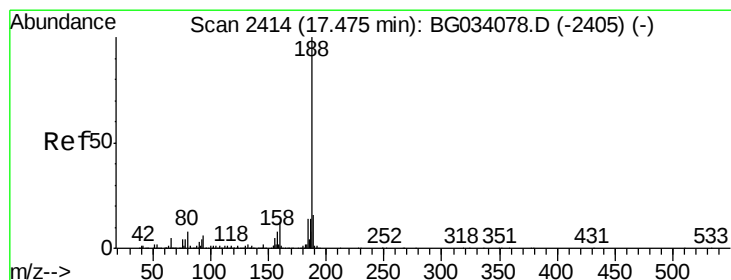
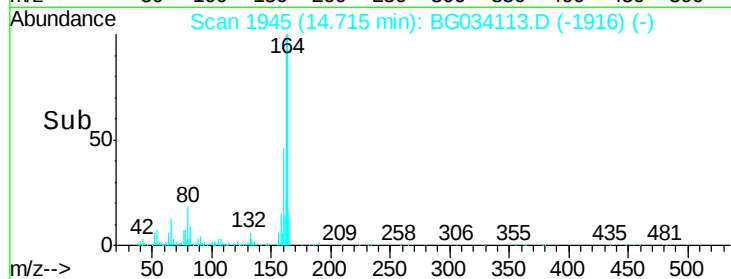
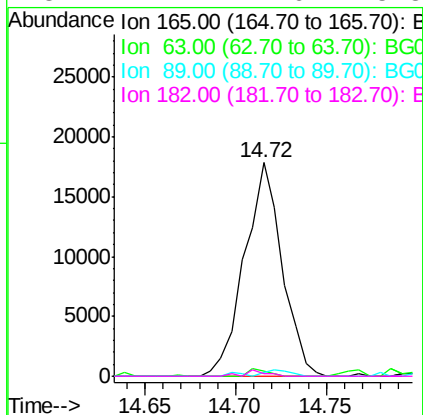
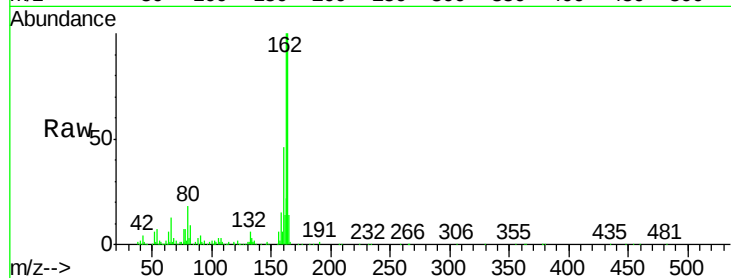




#56
2,4-Dinitrotoluene
Concen: 5.878 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.36 min
Lab File: BG034113.D
Acq: 2 May 2018 13:06

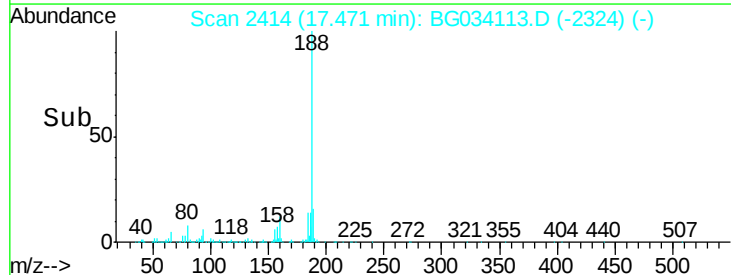
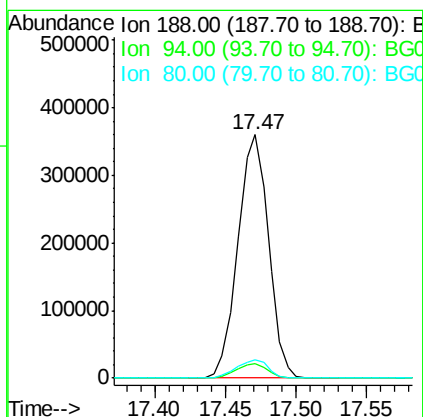
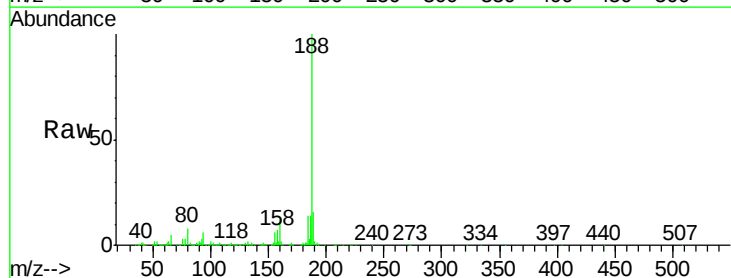
Instrument :
BNA_G
ClientSampleId :

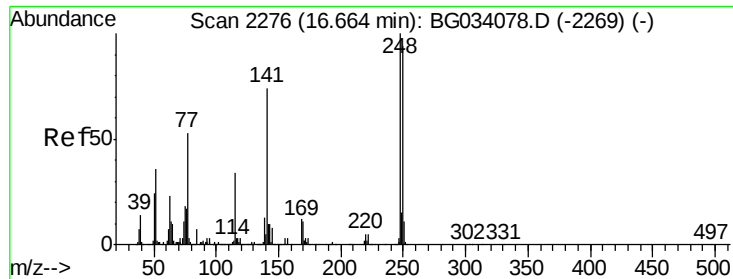
Tot Ion:165 Resp: 25723
Ion Ratio Lower Upper
165 100
63 2.7 42.0 63.0#
89 1.9 66.9 100.3#
182 1.2 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BG034113.D
Acq: 2 May 2018 13:06

Tgt Ion:188 Resp: 546097
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 7.7 7.7 11.5#

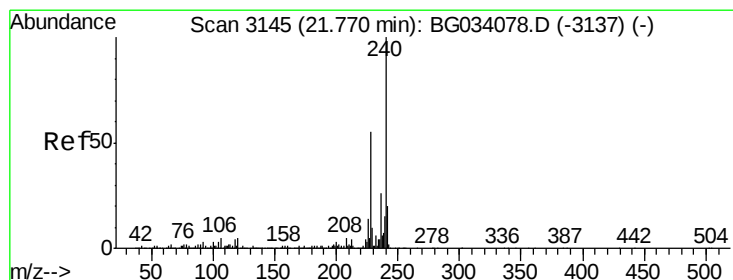
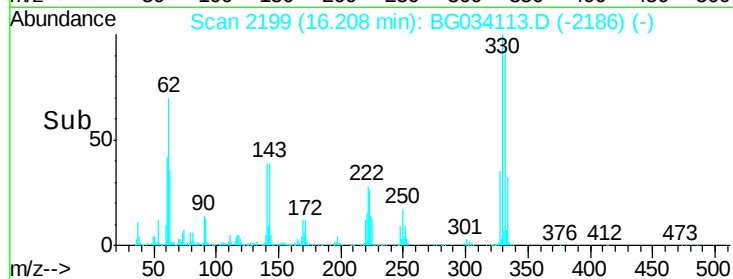
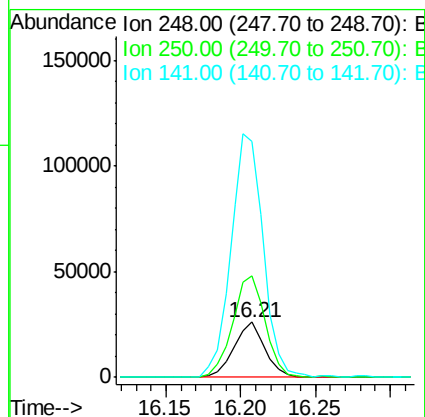
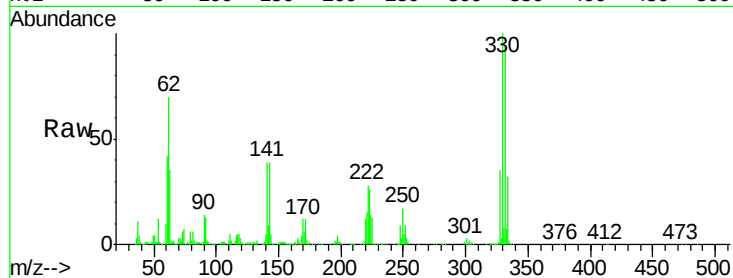




#66
 4-Bromophenyl-phenylether
 Concen: 5.565 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG034113.D
 Acq: 2 May 2018 13:06

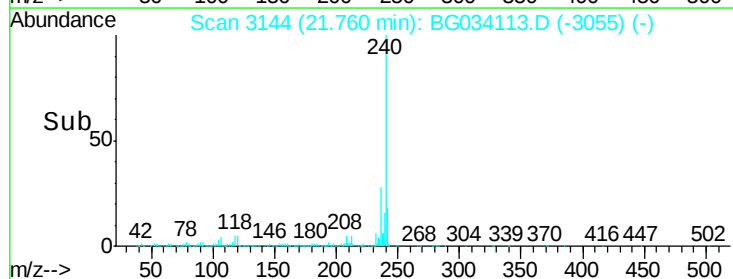
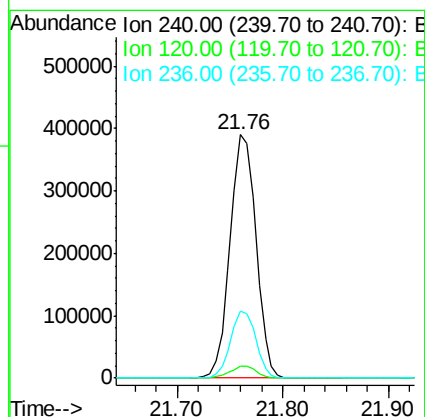
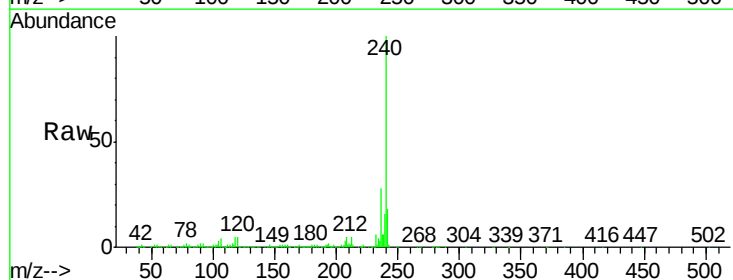
Instrument :
 BNA_G
 ClientSampleId :

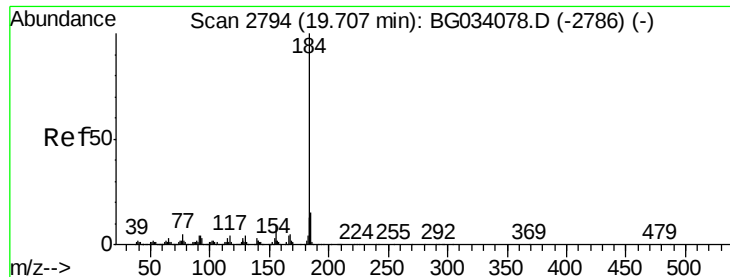
Tot Ion:248 Resp: 37729
 Ion Ratio Lower Upper
 248 100
 250 184.9 77.1 115.7#
 141 427.6 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG034113.D
 Acq: 2 May 2018 13:06

Tgt Ion:240 Resp: 663962
 Ion Ratio Lower Upper
 240 100
 120 4.9 6.8 10.2#
 236 27.7 20.9 31.3





#76

Benzidine

Concen: 3.607 ng

RT: 20.09 min Scan# 2860

Delta R.T. 0.38 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

Instrument :

BNA_G

ClientSampleId :

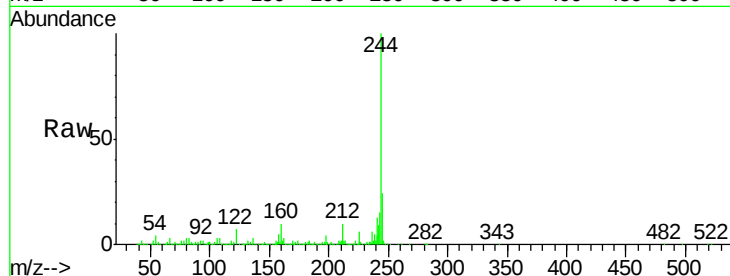
Tot Ion:184 Resp: 61696

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

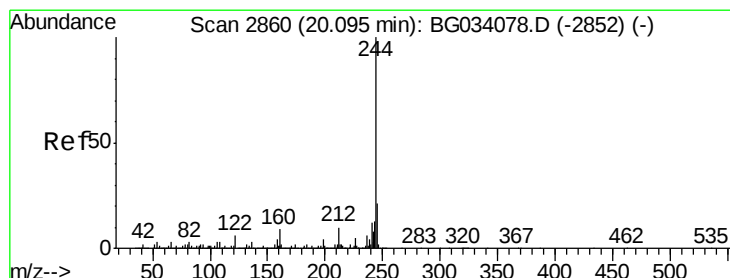
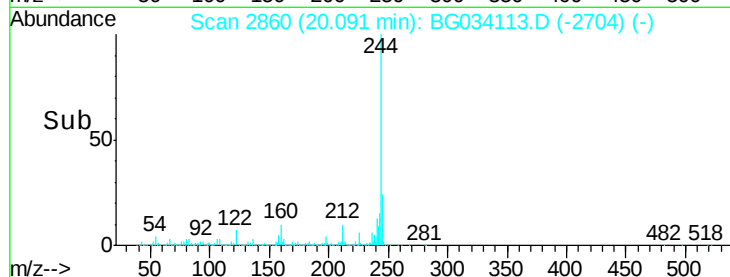
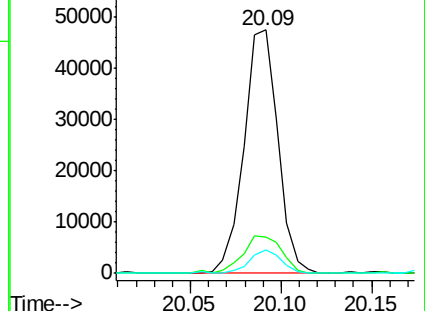
183 9.7 10.6 16.0#



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: 94.328 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG034113.D

Acq: 2 May 2018 13:06

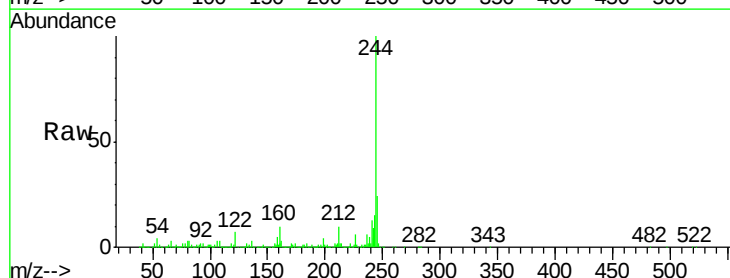
Tgt Ion:244 Resp: 2858943

Ion Ratio Lower Upper

244 100

212 10.4 5.8 8.8#

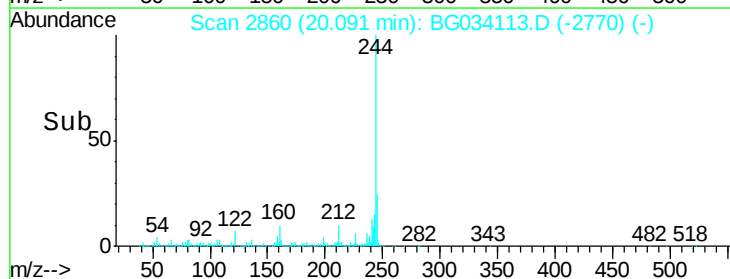
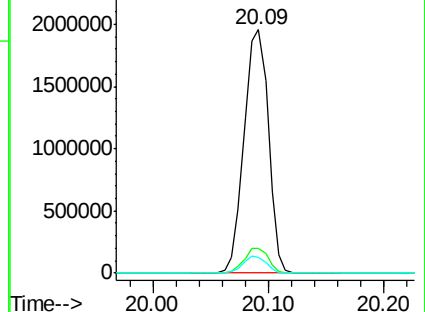
122 6.6 7.0 10.4#

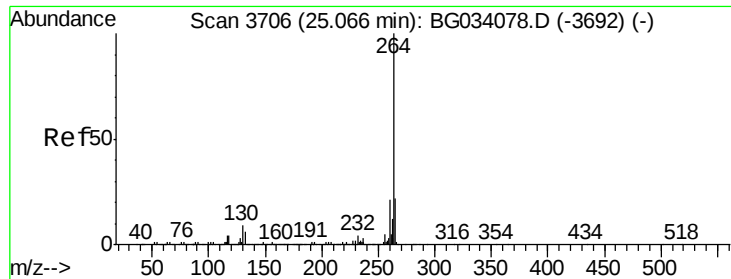


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG034113.D
 Acq: 2 May 2018 13:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.5	17.7	26.5

