

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034125.D
 Acq On : 2 May 2018 20:46
 Operator : SJ/JU
 Sample : J2157-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:47:42 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

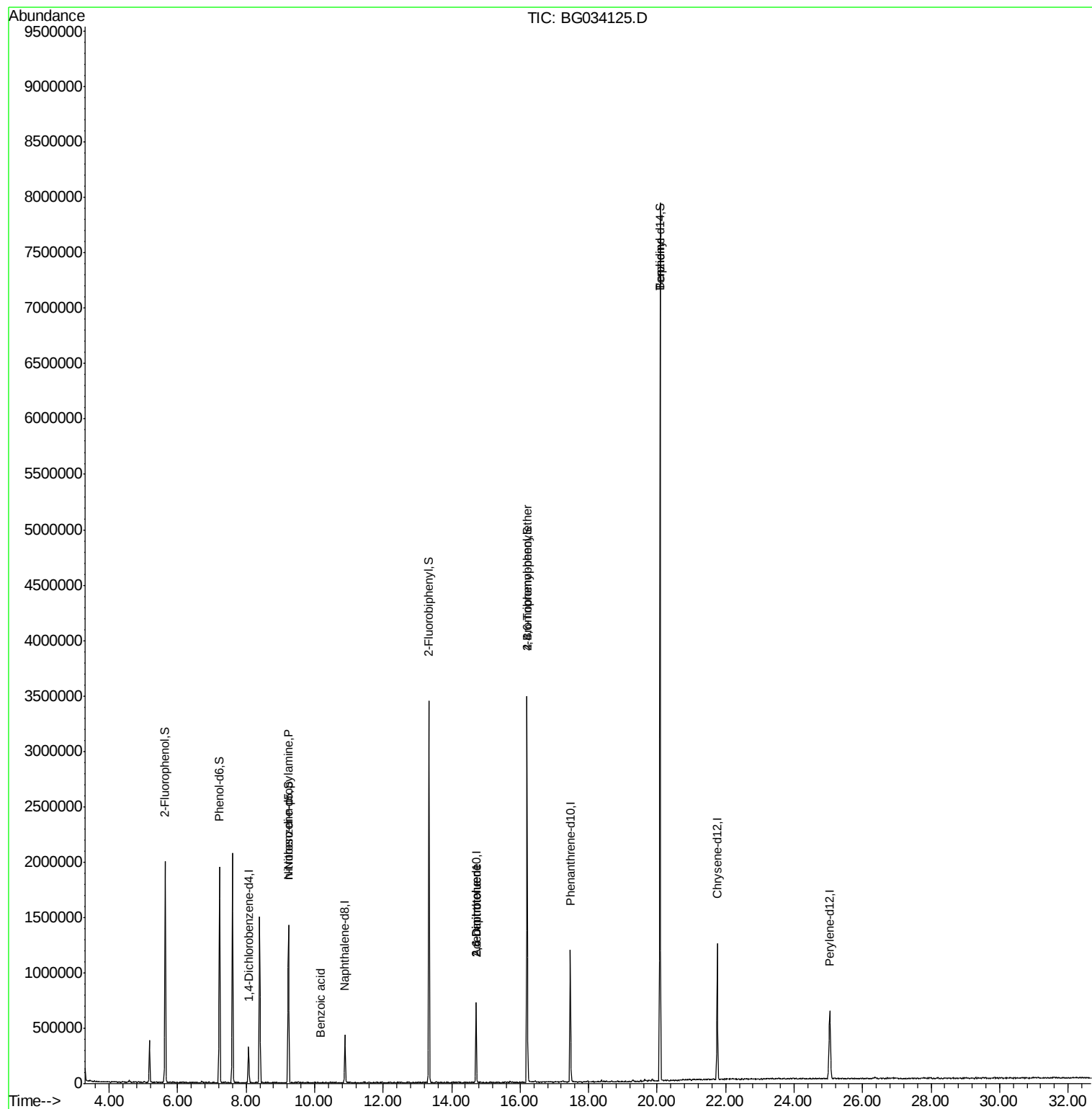
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	79719	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	316820	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	244439	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	720268	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	752372	20.00	ng	-0.01
86) Perylene-d12	25.04	264	727444	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	702276	142.33	ng	0.00
7) Phenol-d6	7.22	99	955225	124.35	ng	0.00
23) Nitrobenzene-d5	9.24	82	855048	103.55	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	578852	171.02	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1664002	99.19	ng	-0.01
78) Terphenyl-d14	20.08	244	3425449	99.74	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.23	77	2941	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	9.24	70	132159	19.16	ng	# 72
32) Benzoic acid	10.17	122	83	3.14	ng	# 1
50) 2,6-Dinitrotoluene	14.71	165	33614	8.26	ng	# 20
56) 2,4-Dinitrotoluene	14.71	165	33614	6.08	ng	# 19
66) 4-Bromophenyl-phenylether	16.20	248	48985	5.48	ng	# 1
76) Benzydine	20.08	184	77919	4.02	ng	# 86

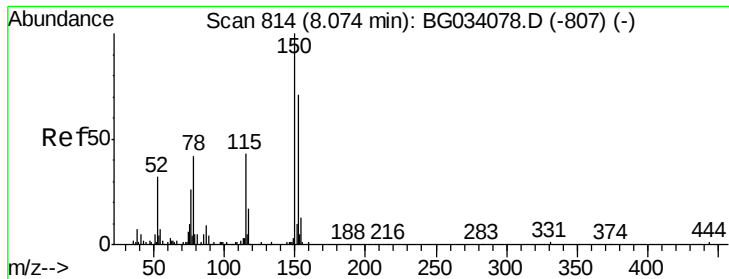
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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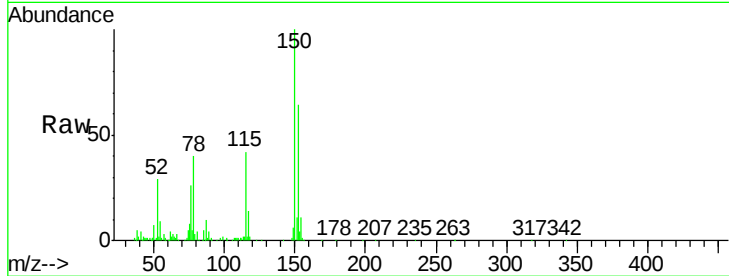


#1

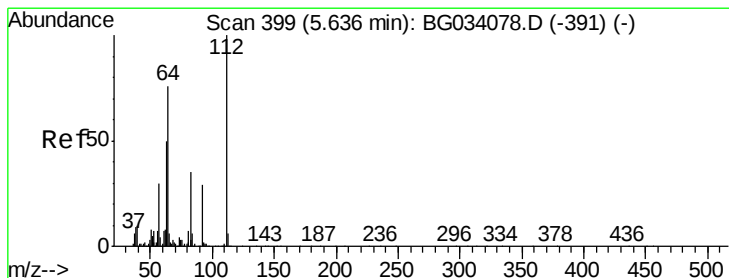
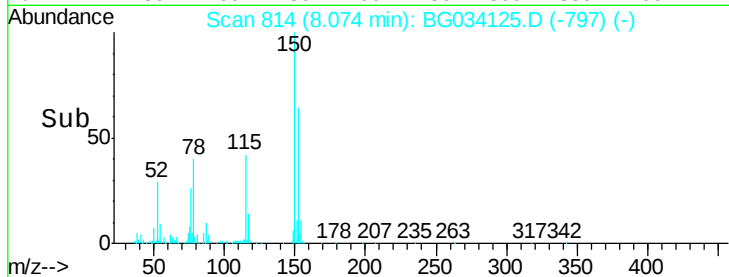
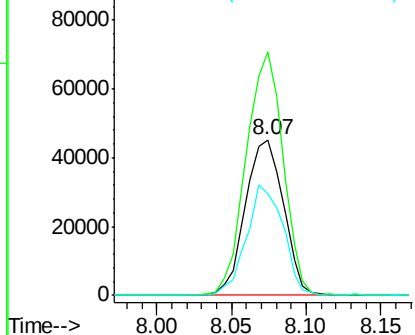
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG034125.D
Acq: 2 May 2018 20:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 79719
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 65.4 53.0 79.4



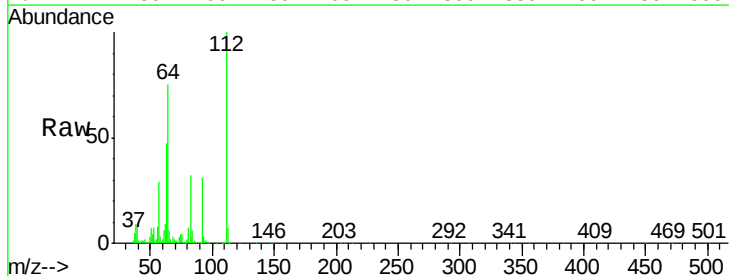
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



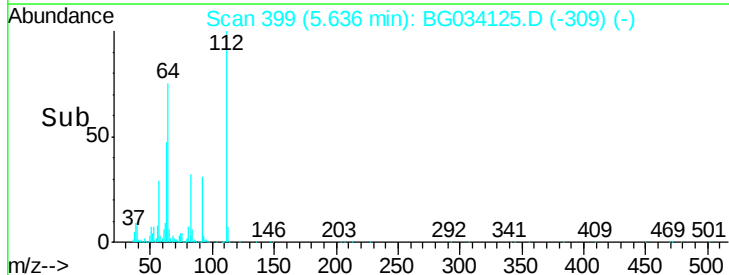
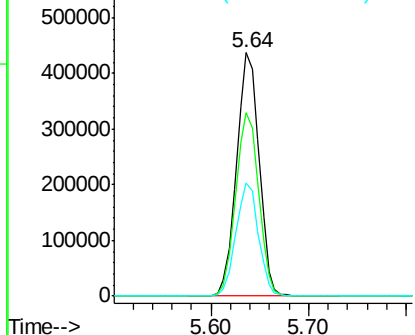
#5

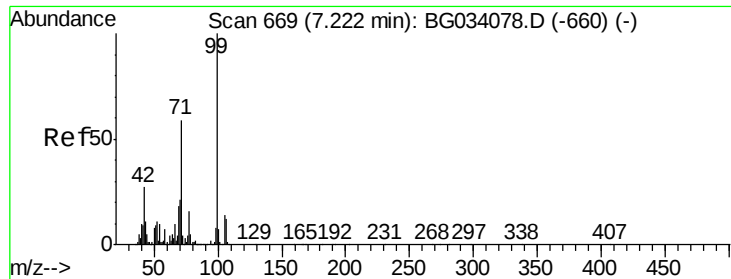
2-Fluorophenol
Concen: 142.33 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG034125.D
Acq: 2 May 2018 20:46

Tgt Ion:112 Resp: 702276
Ion Ratio Lower Upper
112 100
64 75.5 56.3 84.5
63 46.5 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: 124.35 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Instrument :

BNA_G

ClientSampleId :

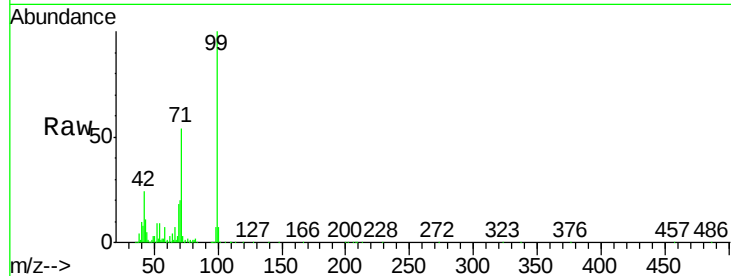
Tot Ion: 99 Resp: 955225

Ion Ratio Lower Upper

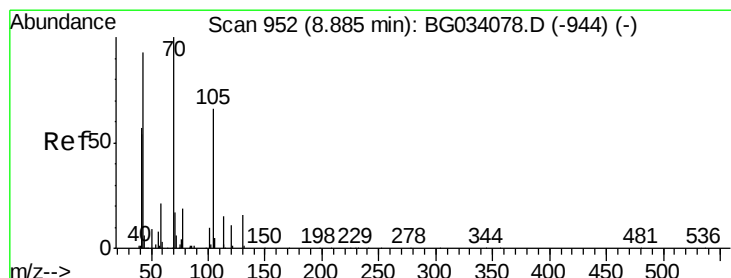
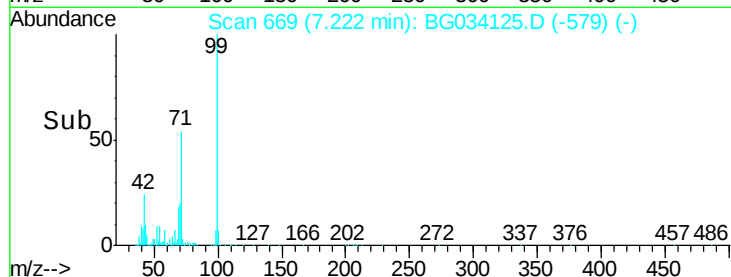
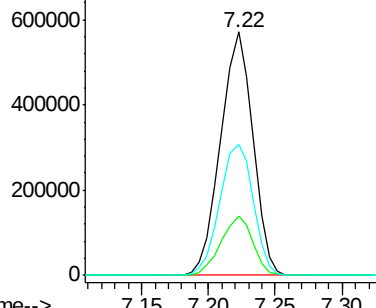
99 100

42 24.1 14.1 21.1#

71 53.6 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: 19.16 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Tgt Ion: 70 Resp: 132159

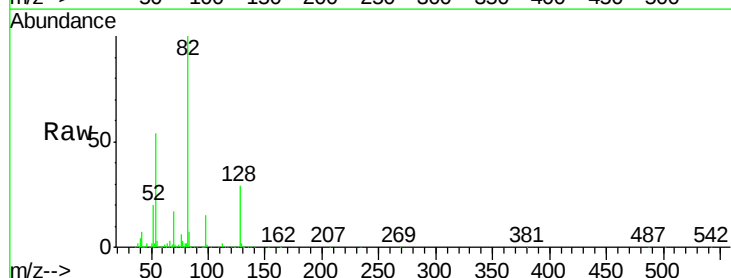
Ion Ratio Lower Upper

70 100

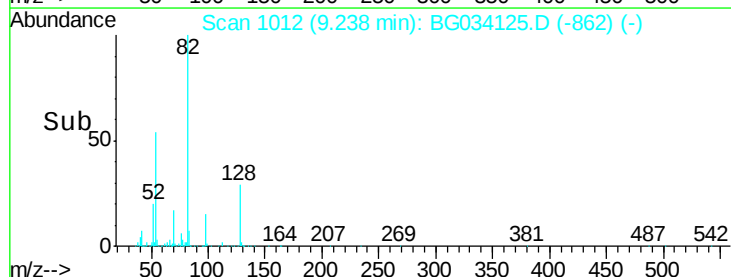
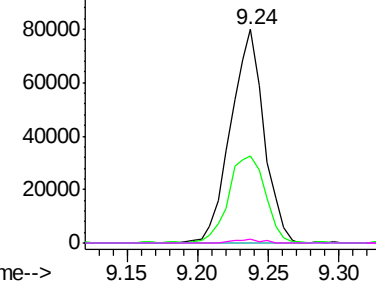
42 40.8 49.1 73.7#

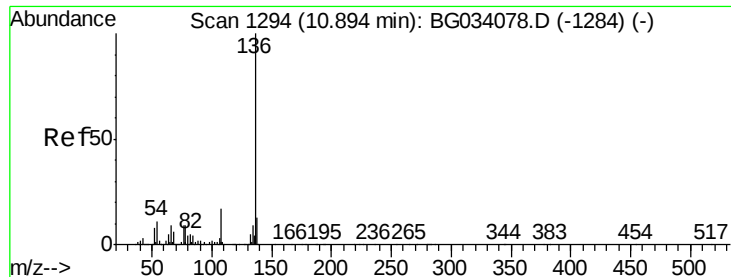
101 0.0 8.5 12.7#

130 2.0 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

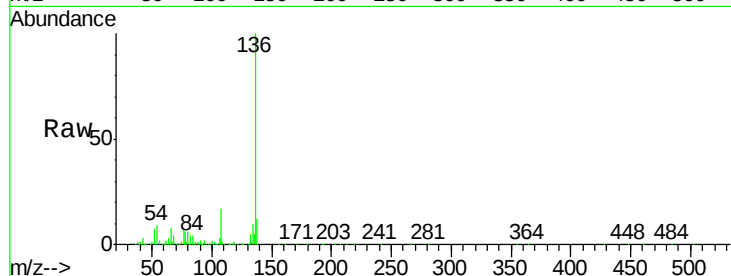




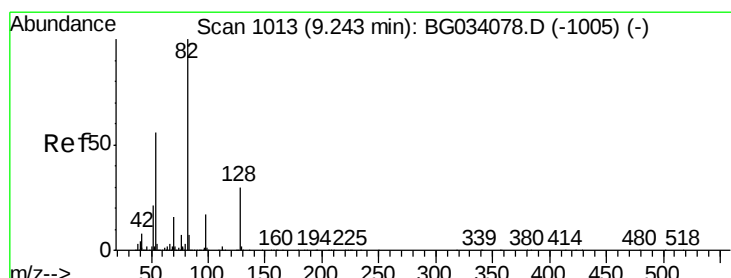
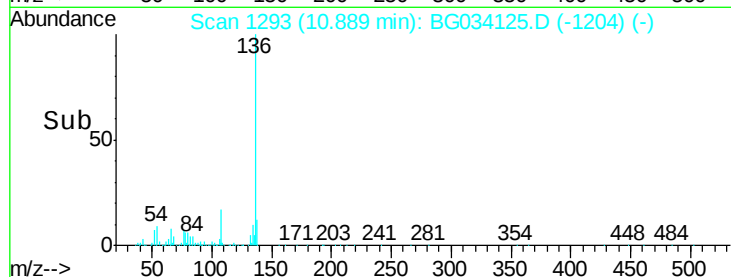
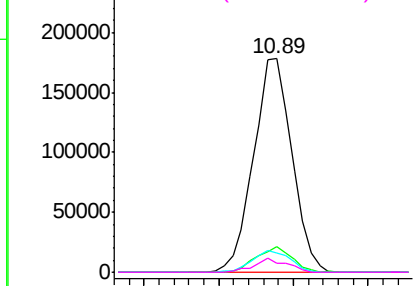
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034125.D
Acq: 2 May 2018 20:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	316820
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.2 13.8
54	9.2	10.3 15.5#
68	4.5	4.5 6.7#

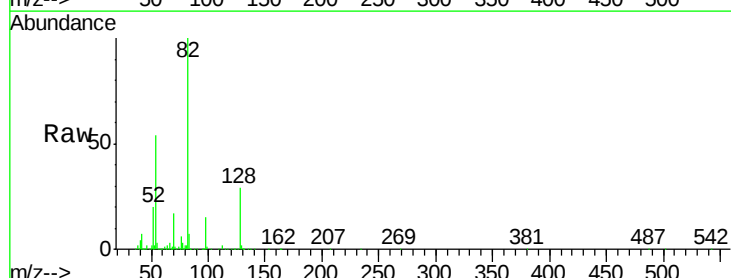


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

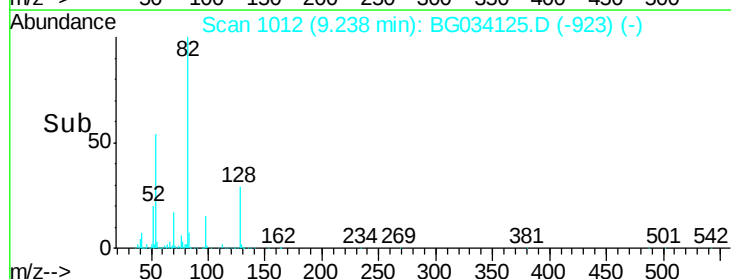
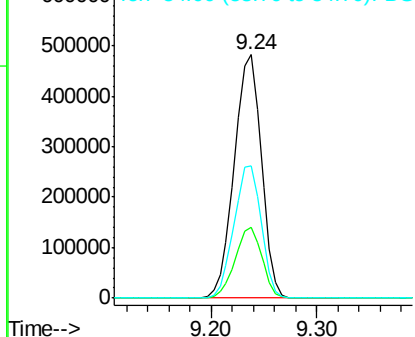


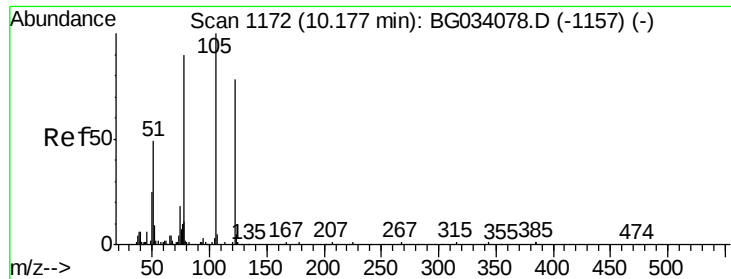
#23
Nitrobenzene-d5
Concen: 103.55 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034125.D
Acq: 2 May 2018 20:46

Tgt Ion: 82	Resp:	855048
Ion Ratio	Lower	Upper
82	100	
128	29.3	29.7 44.5#
54	54.5	43.1 64.7



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





#32

Benzoic acid

Concen: 3.14 ng

RT: 10.17 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Instrument :

BNA_G

ClientSampleId :

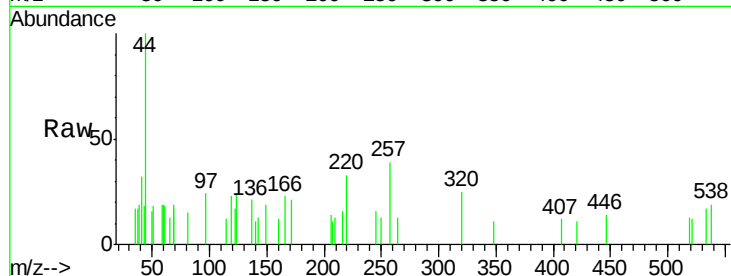
Tot Ion:122 Resp: 83

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

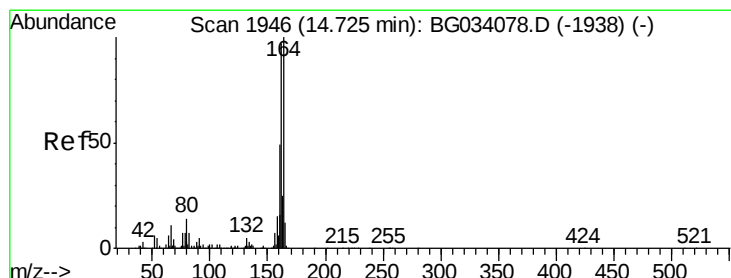
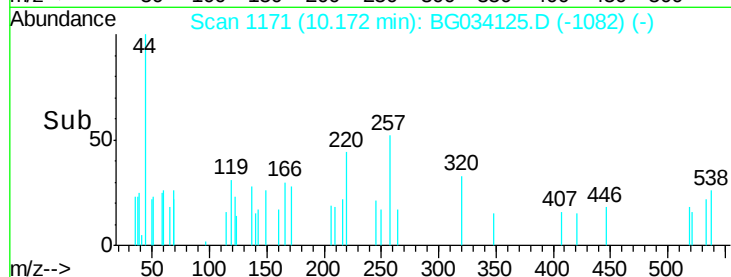
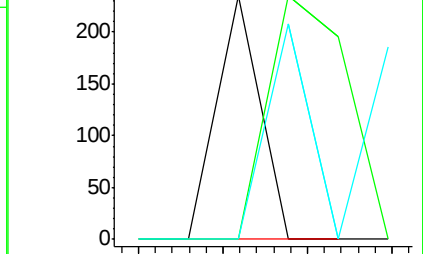
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

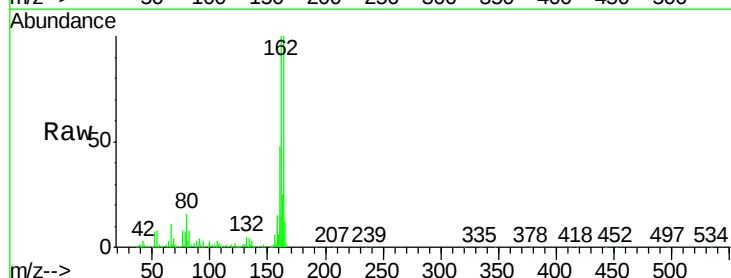
Tgt Ion:164 Resp: 244439

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

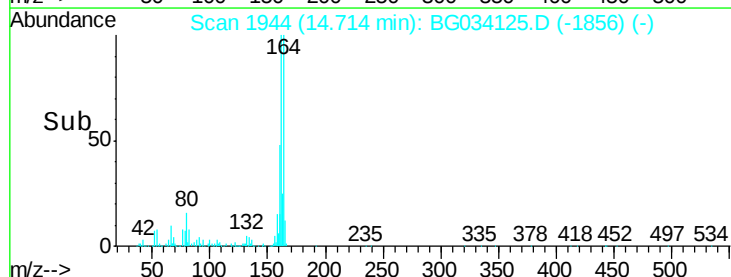
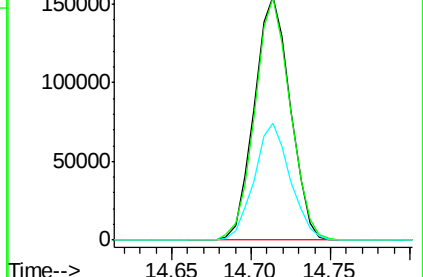
160 47.8 35.4 53.0

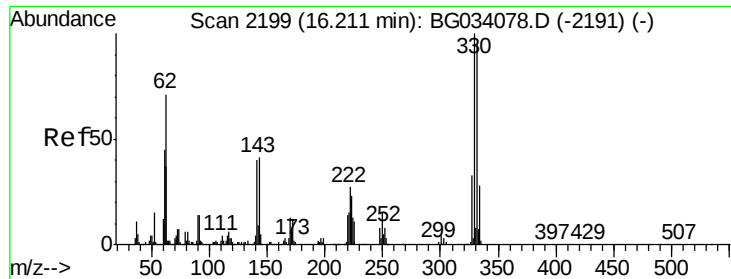


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

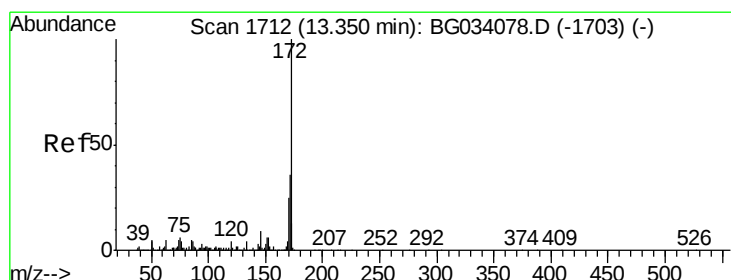
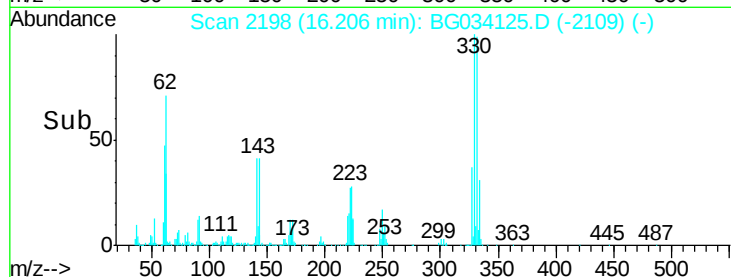
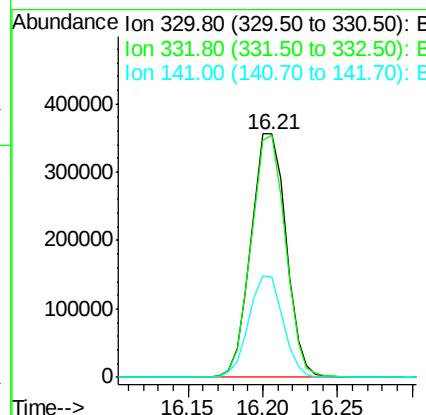
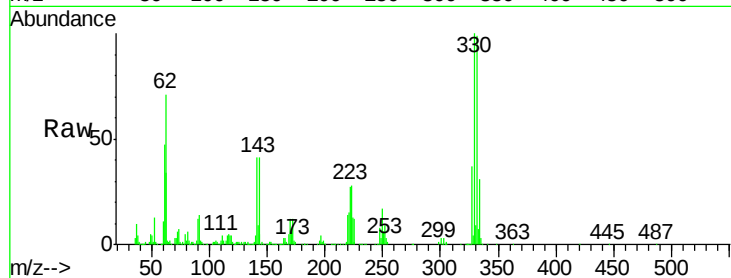




#41
 2,4,6-Tribromophenol
 Concen: 171.02 ng
 RT: 16.21 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034125.D
 Acq: 2 May 2018 20:46

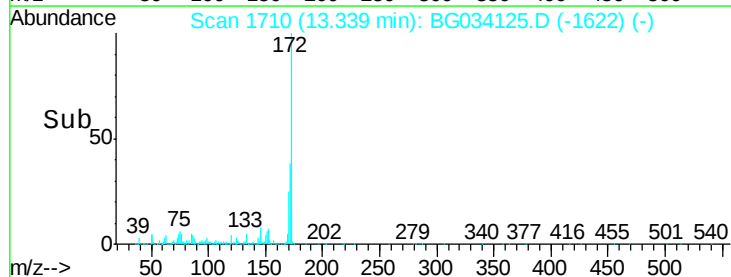
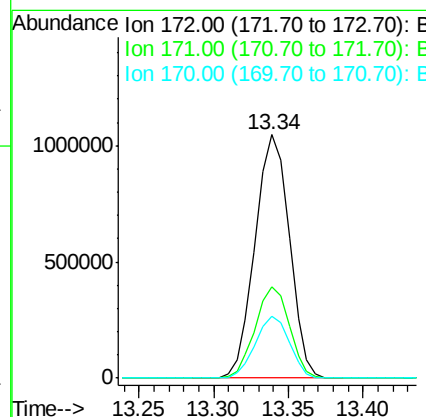
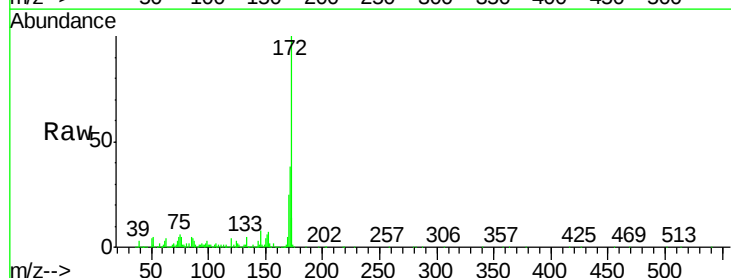
Instrument :
 BNA_G
 ClientSampleId :

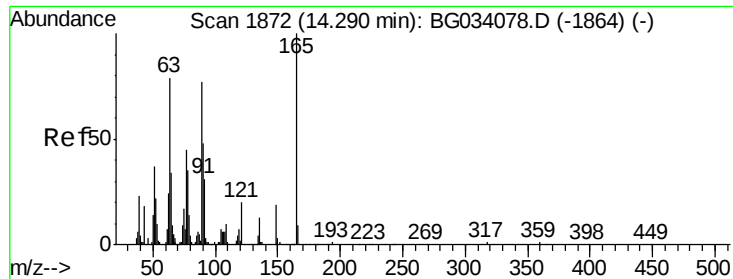
Tot Ion:330 Resp: 578852
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 40.8 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 99.19 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034125.D
 Acq: 2 May 2018 20:46

Tgt Ion:172 Resp: 1664002
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 25.2 19.5 29.3

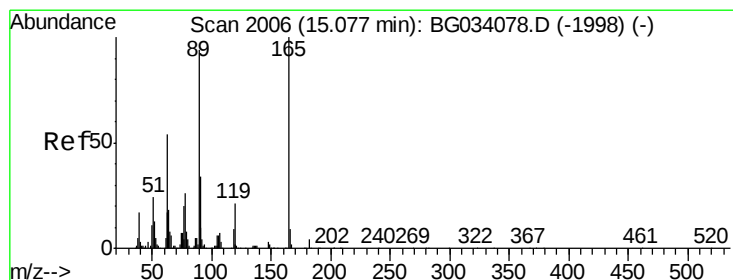
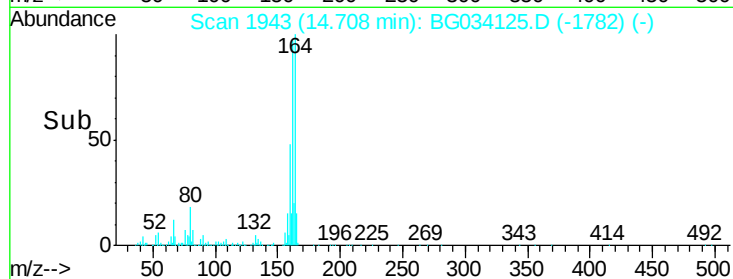
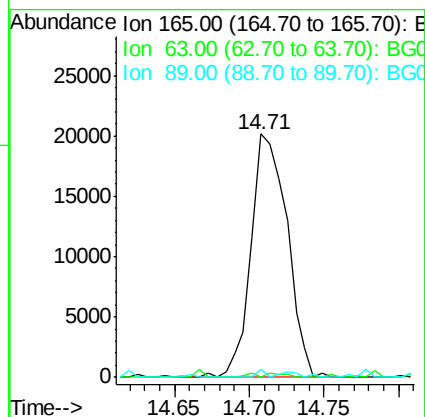
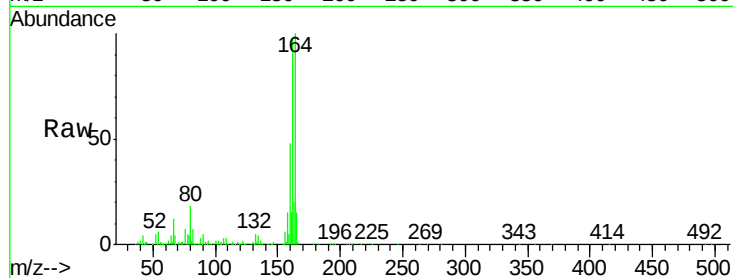




#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. 0.42 min
 Lab File: BG034125.D
 Acq: 2 May 2018 20:46

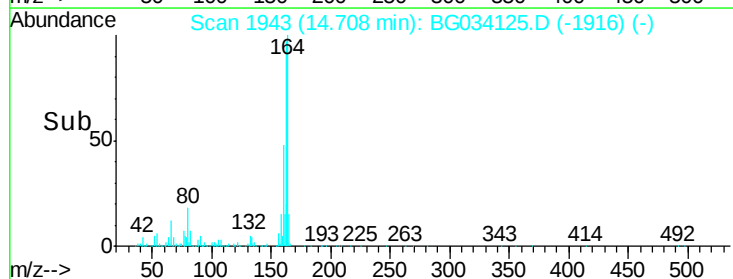
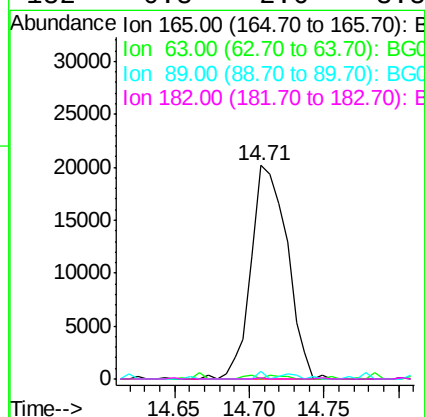
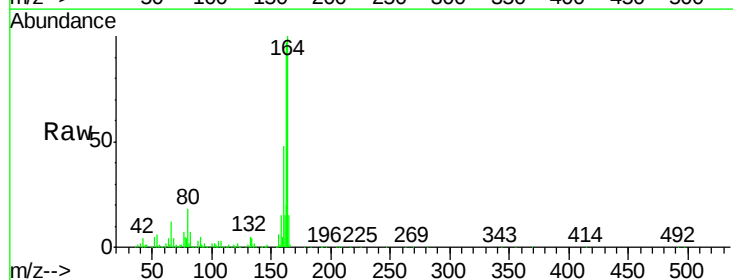
Instrument :
 BNA_G
 ClientSampleId :

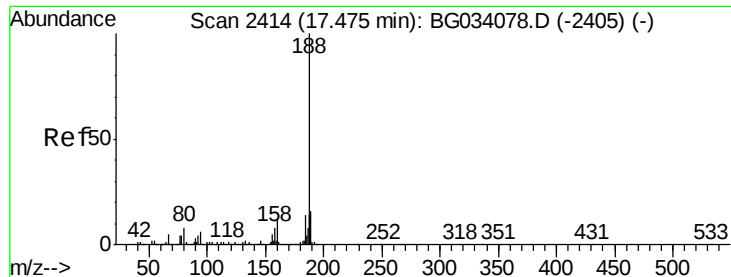
Tot Ion:165 Resp: 33614
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.3 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 14.71 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG034125.D
 Acq: 2 May 2018 20:46

Tgt Ion:165 Resp: 33614
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.3 66.9 100.3#
 182 0.8 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Instrument :

BNA_G

ClientSampleId :

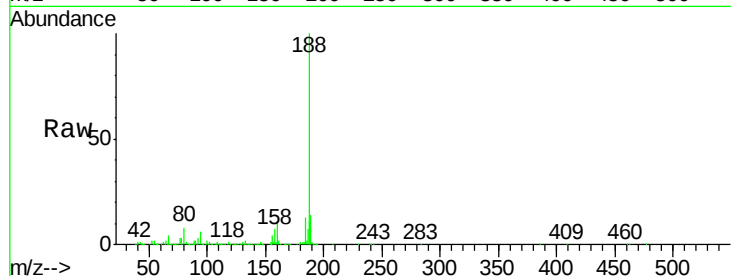
Tot Ion:188 Resp: 720268

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

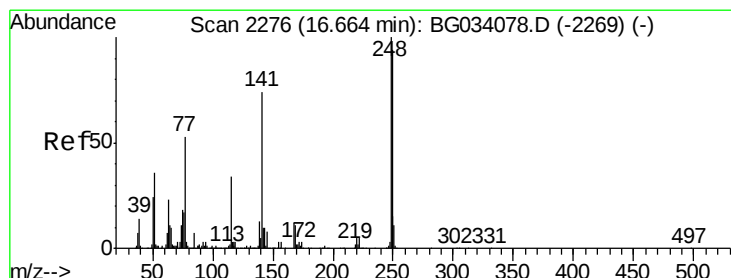
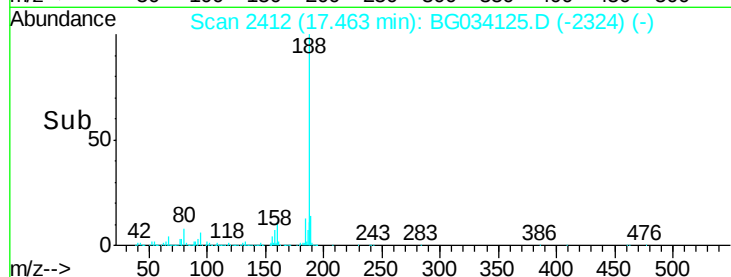
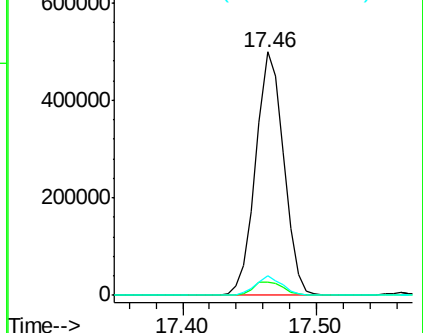
80 8.2 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 5.48 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.46 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

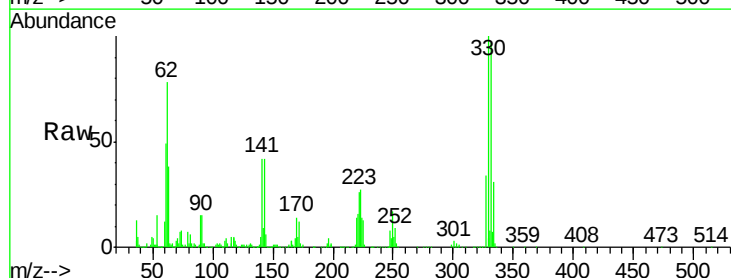
Tgt Ion:248 Resp: 48985

Ion Ratio Lower Upper

248 100

250 206.3 77.1 115.7#

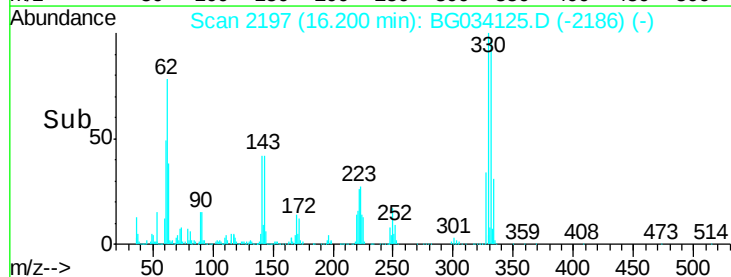
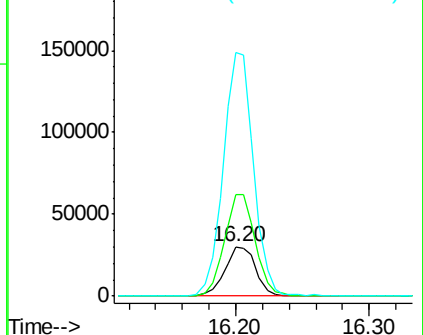
141 493.7 50.8 76.2#

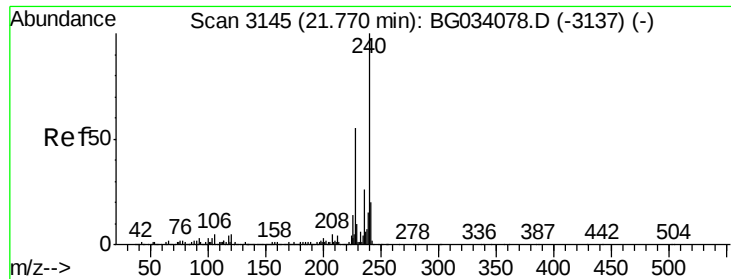


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Instrument :

BNA_G

ClientSampleId :

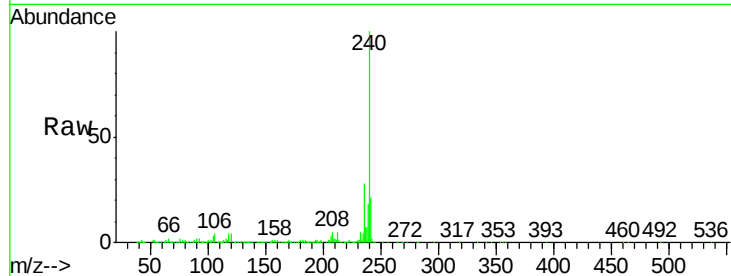
Tot Ion:240 Resp: 752372

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

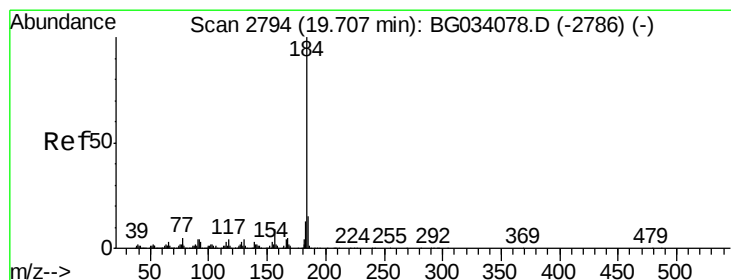
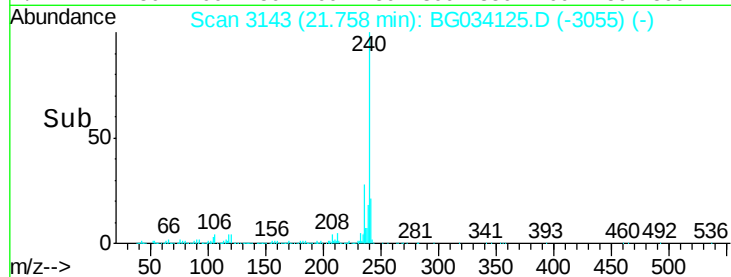
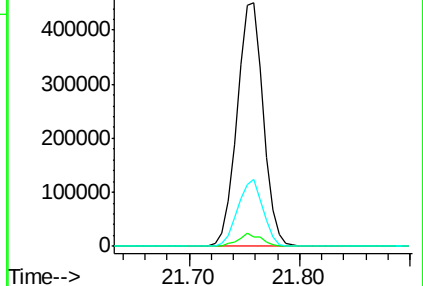
236 27.7 20.9 31.3



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: 4.02 ng

RT: 20.08 min Scan# 2858

Delta R.T. 0.38 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

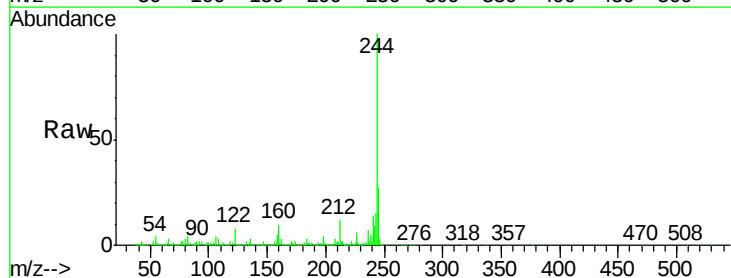
Tgt Ion:184 Resp: 77919

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

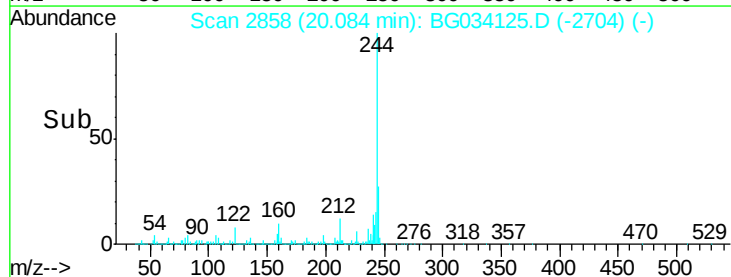
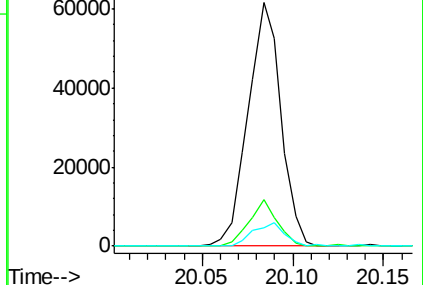
183 7.7 10.6 16.0#

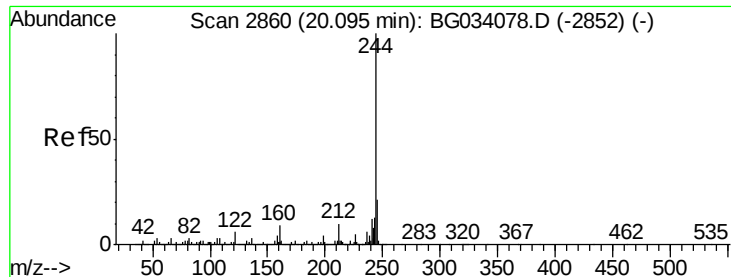


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.74 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

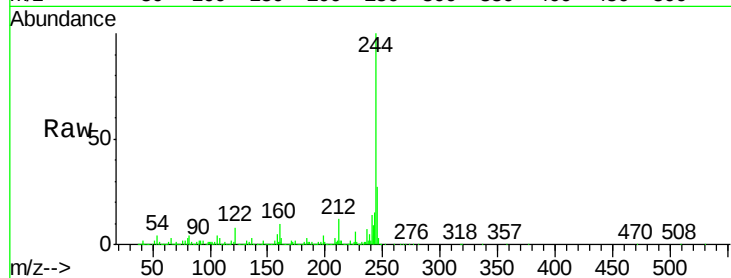
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 3425449

Ion	Ratio	Lower	Upper
244	100		
212	11.7	5.8	8.8#
122	8.0	7.0	10.4

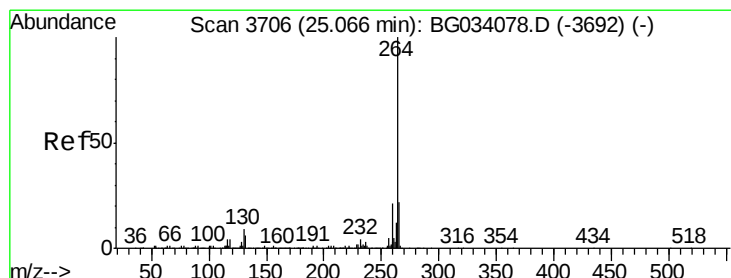
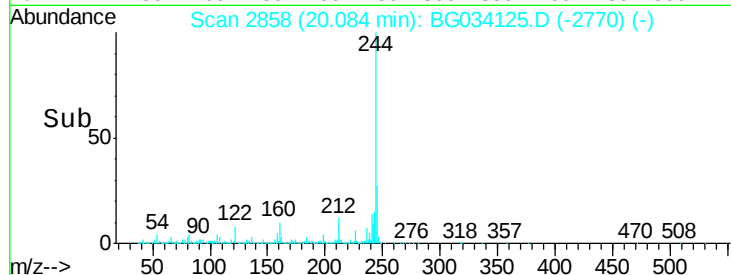
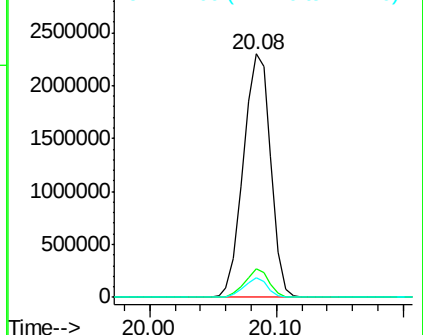


Abundance

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: 25.04 min Scan# 3701

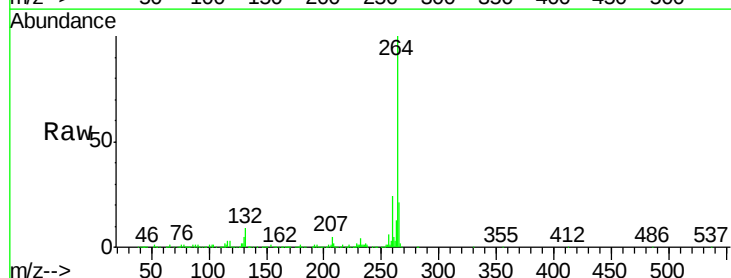
Delta R.T. -0.03 min

Lab File: BG034125.D

Acq: 2 May 2018 20:46

Tgt Ion:264 Resp: 727444

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.2	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

