

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034142.D
 Acq On : 3 May 2018 8:53
 Operator : SJ/JU
 Sample : J2665-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 11:53:02 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

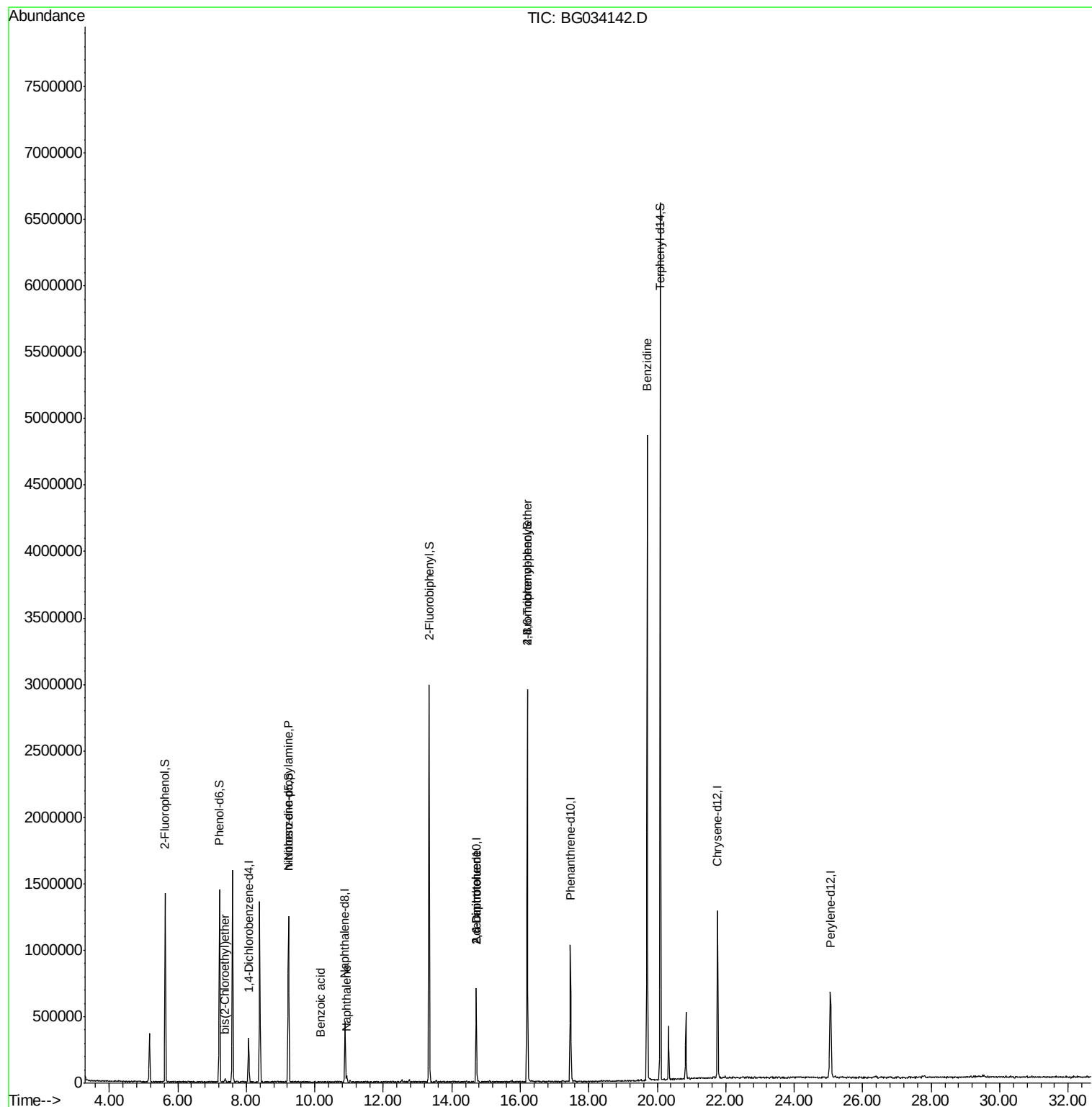
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	76636	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	307236	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	235200	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	645717	20.00	ng	0.00
75) Chrysene-d12	21.76	240	763266	20.00	ng	0.00
86) Perylene-d12	25.06	264	769739	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	479859	101.16	ng	0.00
7) Phenol-d6	7.22	99	692573	93.79	ng	0.00
23) Nitrobenzene-d5	9.23	82	753579	94.11	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	462501	142.01	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1471748	91.18	ng	0.00
78) Terphenyl-d14	20.09	244	2891418	82.99	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	2144	Below Cal		Qvalue # 22
11) bis(2-Chloroethyl)ether	7.38	93	12248	2.089	ng	# 21
19) n-Nitroso-di-n-propylamine	9.23	70	119813	18.067	ng	# 73
31) Naphthalene	10.94	128	33321	2.063	ng	# 94
32) Benzoic acid	10.16	122	71	3.135	ng	# 29
50) 2,6-Dinitrotoluene	14.71	165	32432	8.280	ng	# 22
56) 2,4-Dinitrotoluene	14.71	165	32432	6.098	ng	# 20
66) 4-Bromophenyl-phenylether	16.21	248	39446	4.920	ng	# 1
76) Benzidine	19.71	184	2582498	131.351	ng	94

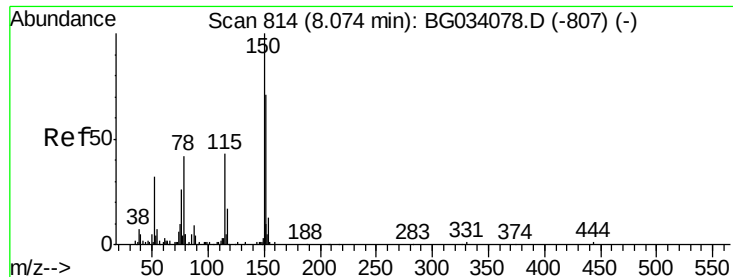
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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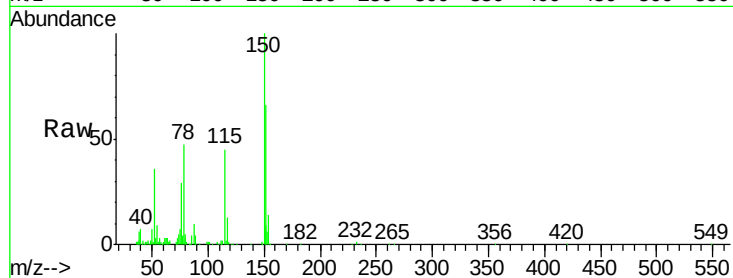


#1

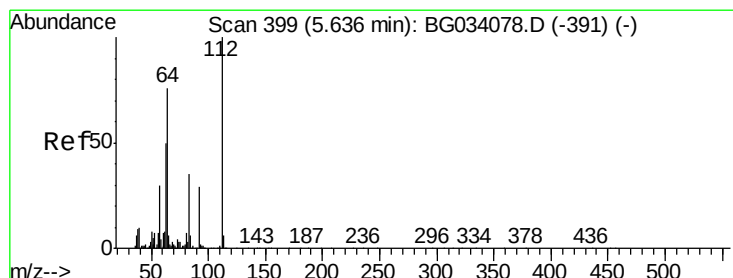
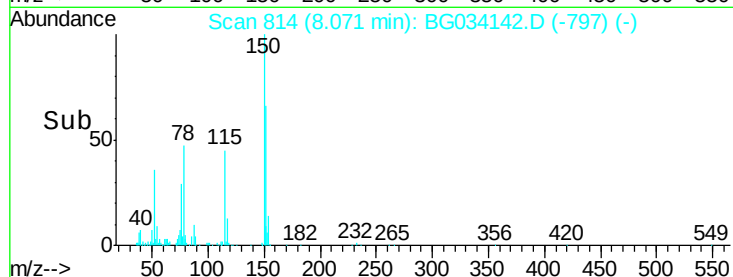
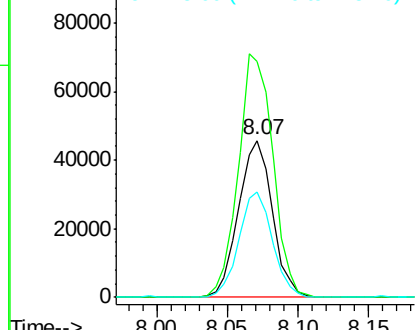
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 76636
Ion Ratio Lower Upper
152 100
150 151.0 126.6 189.8
115 67.6 53.0 79.4



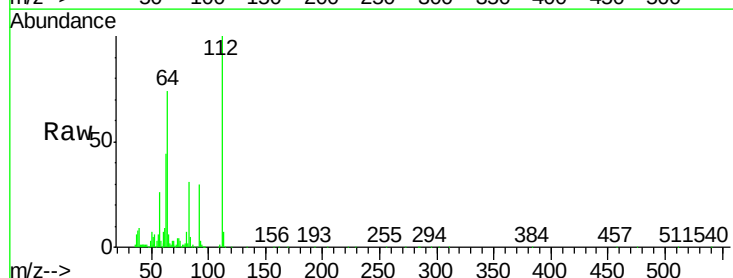
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



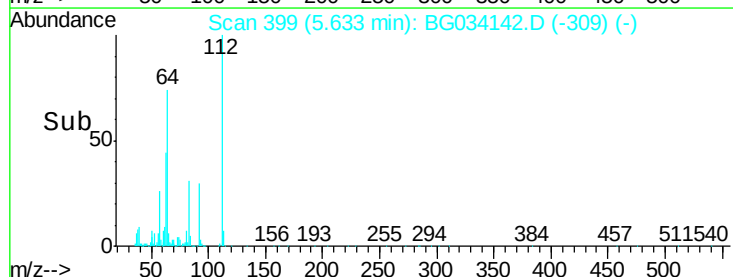
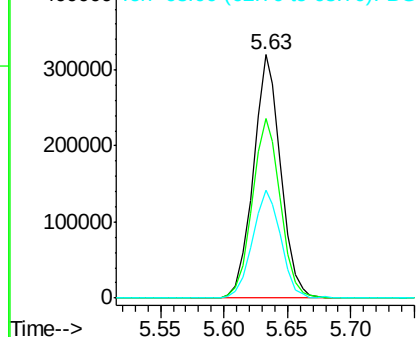
#5

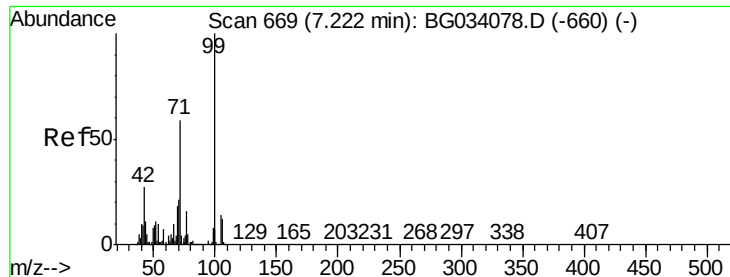
2-Fluorophenol
Concen: 101.163 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

Tgt Ion:112 Resp: 479859
Ion Ratio Lower Upper
112 100
64 73.8 56.3 84.5
63 44.2 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: 93.786 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampleId :

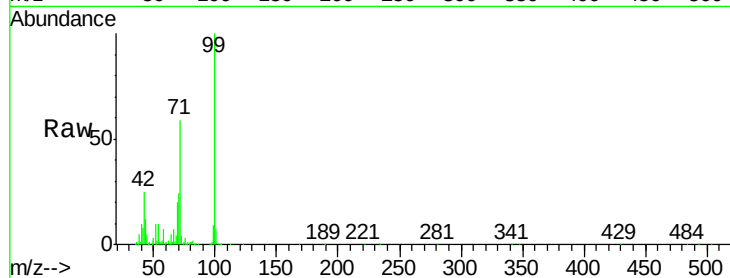
Tot Ion: 99 Resp: 692573

Ion Ratio Lower Upper

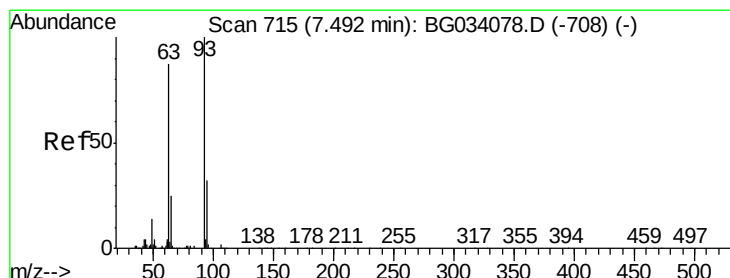
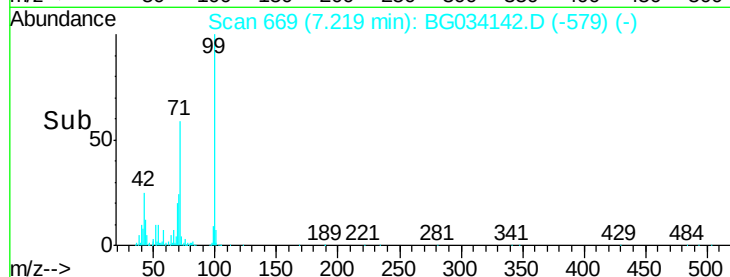
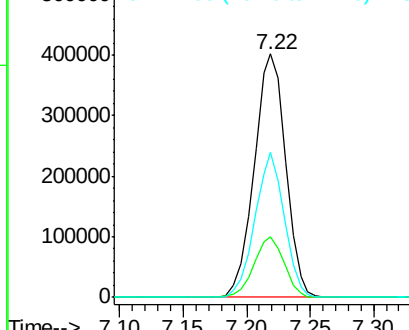
99 100

42 24.9 14.1 21.1#

71 59.4 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



#11

bis(2-Chloroethyl)ether

Concen: 2.089 ng

RT: 7.38 min Scan# 697

Delta R.T. -0.11 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

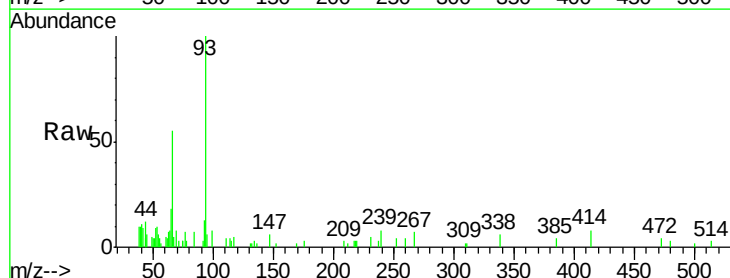
Tgt Ion: 93 Resp: 12248

Ion Ratio Lower Upper

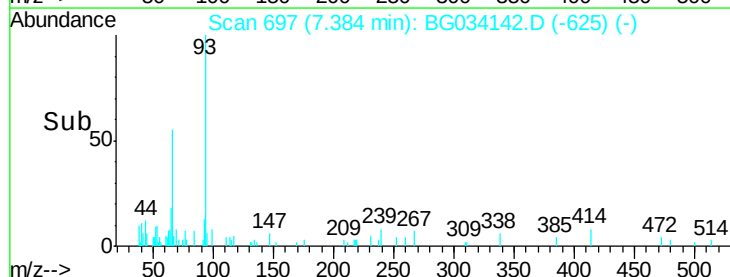
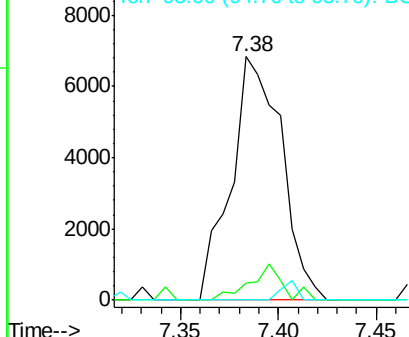
93 100

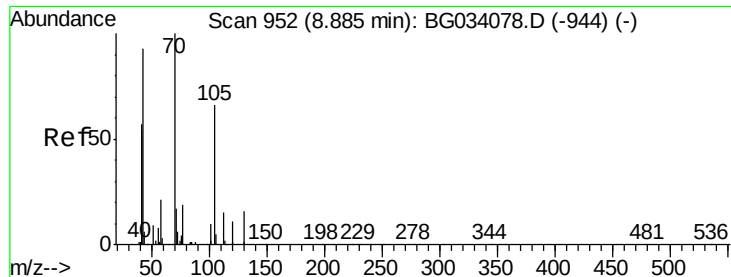
63 6.9 67.1 107.1#

95 0.0 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

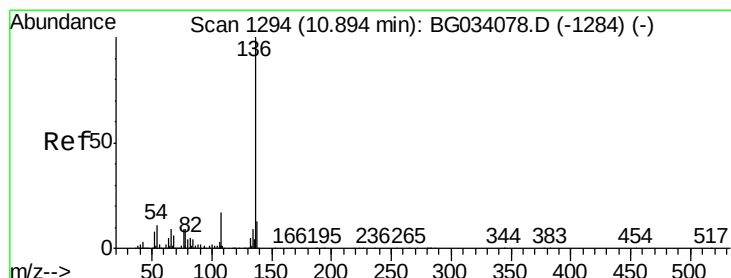
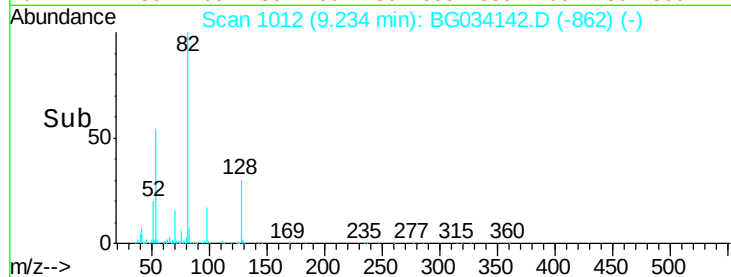
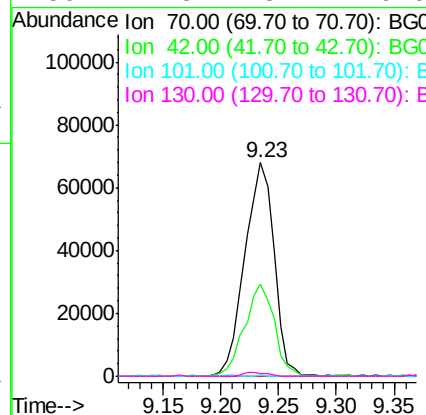
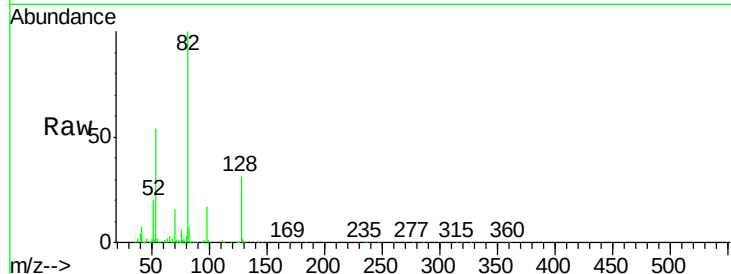




#19
n-Nitroso-di-n-propylamine
Concen: 18.067 ng
RT: 9.23 min Scan# 1012
Delta R.T. 0.35 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

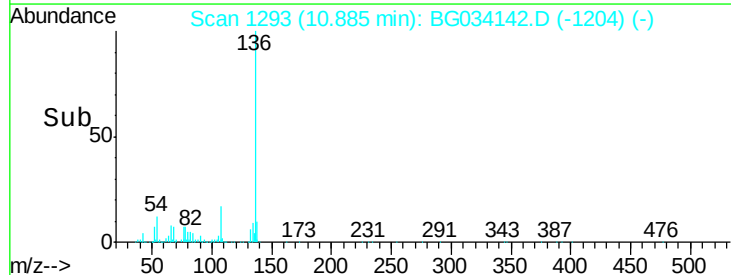
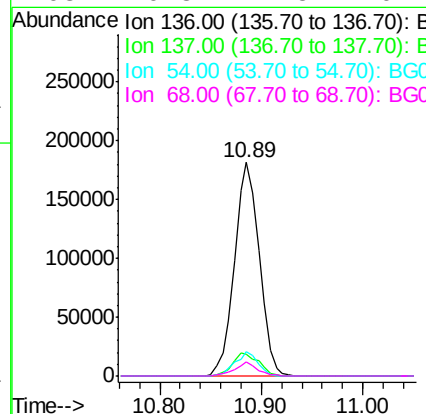
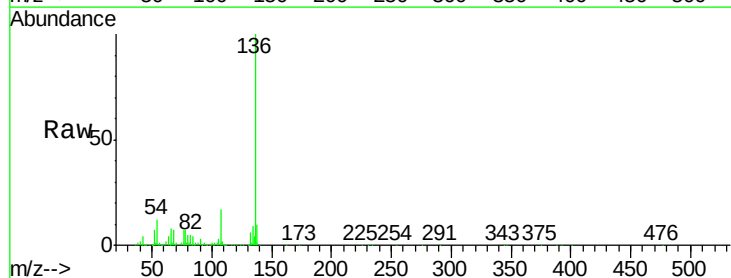
Instrument :
BNA_G
ClientSampleId :

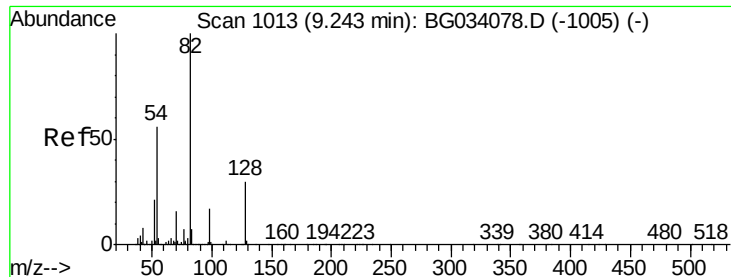
Tot Ion: 70 Resp: 119813
Ion Ratio Lower Upper
70 100
42 42.9 49.1 73.7#
101 0.4 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

Tgt Ion: 136 Resp: 307236
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 11.6 10.3 15.5
68 6.8 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 94.108 ng

RT: 9.23 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampleId :

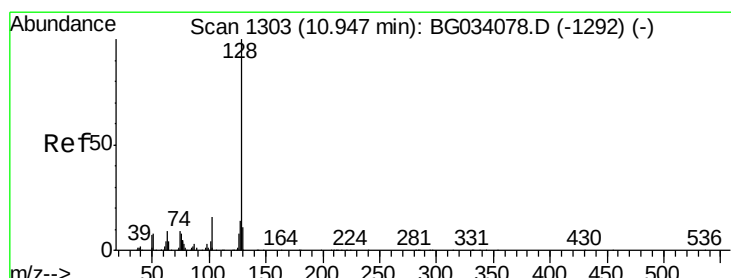
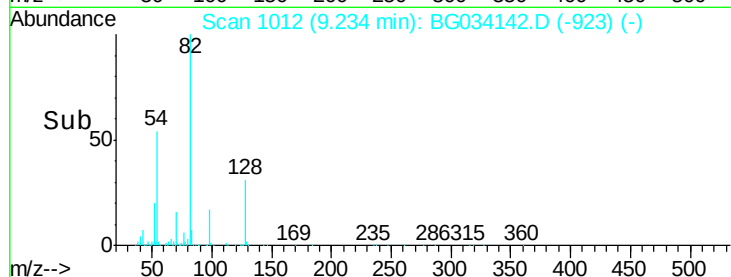
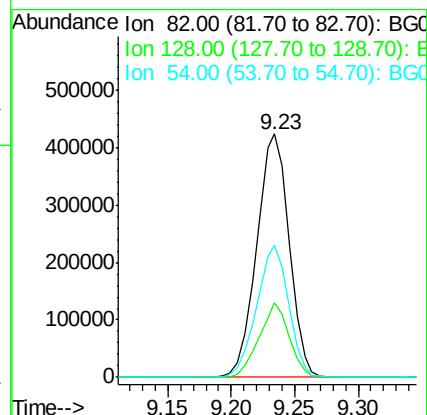
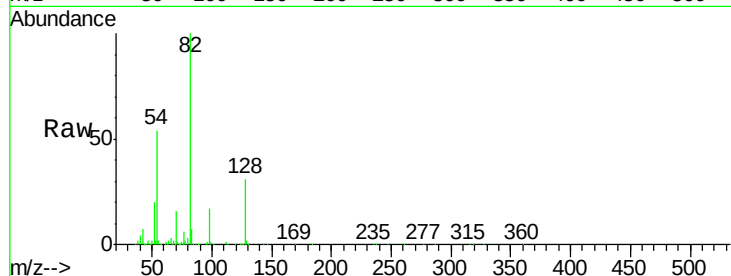
Tot Ion: 82 Resp: 753579

Ion Ratio Lower Upper

82 100

128 30.5 29.7 44.5

54 54.2 43.1 64.7



#31

Naphthalene

Concen: 2.063 ng

RT: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

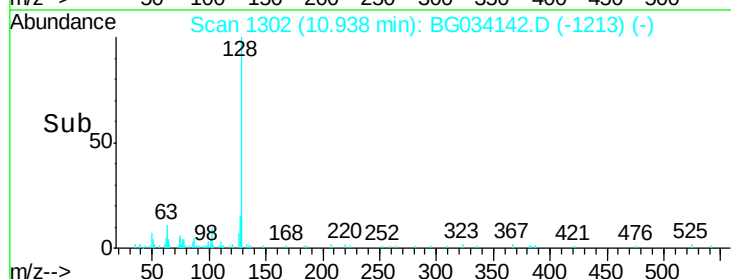
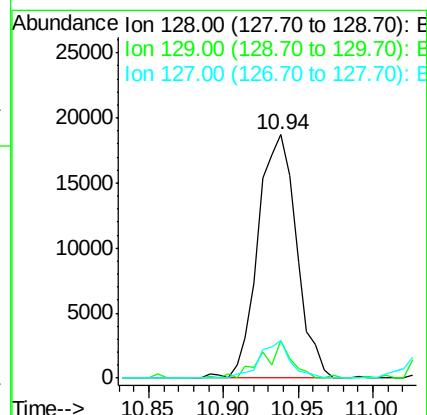
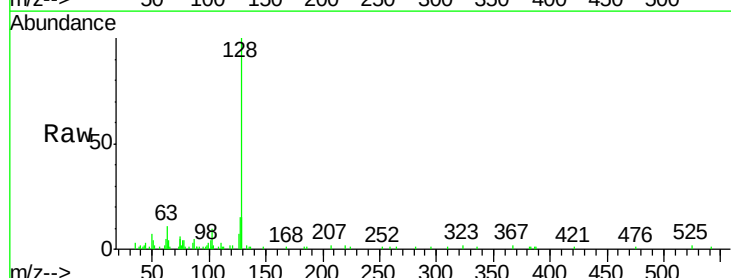
Tgt Ion: 128 Resp: 33321

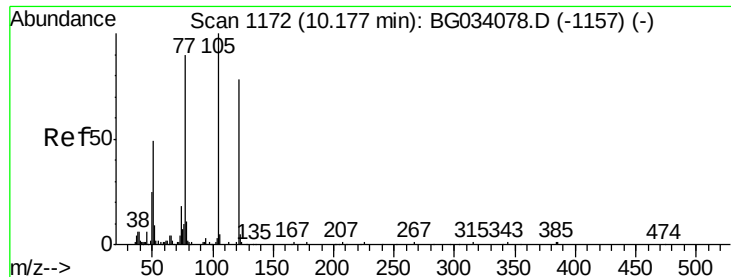
Ion Ratio Lower Upper

128 100

129 15.3 8.6 12.8#

127 15.2 11.6 17.4





#32

Benzoic acid

Concen: 3.135 ng

RT: 10.16 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BG034142.D

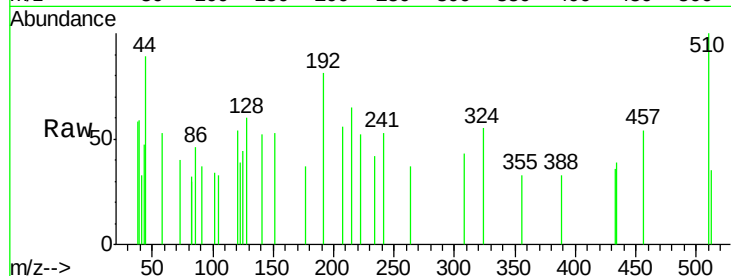
Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampled :

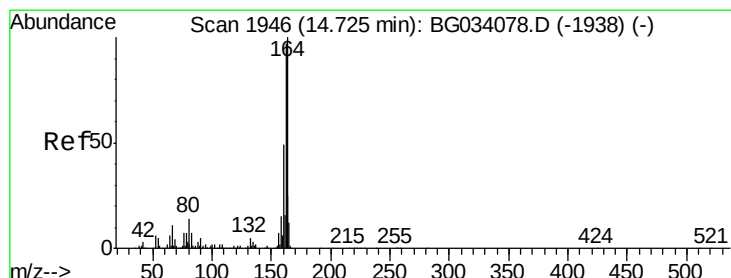
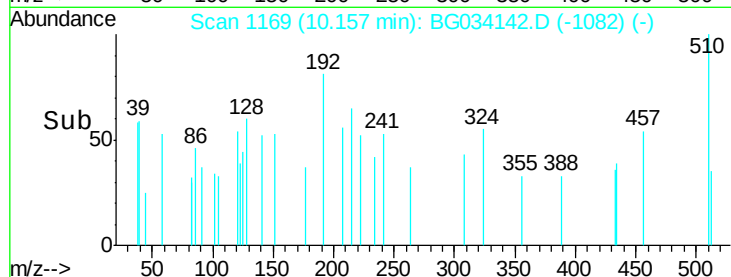
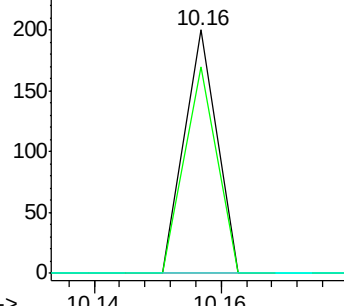
Tot Ion	Ratio	Lower	Upper
122	100		
105	85.0	123.5	163.5#
77	0.0	85.7	125.7#



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: 20.000 ng

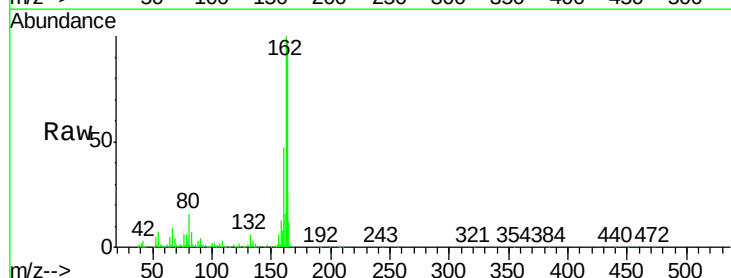
RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

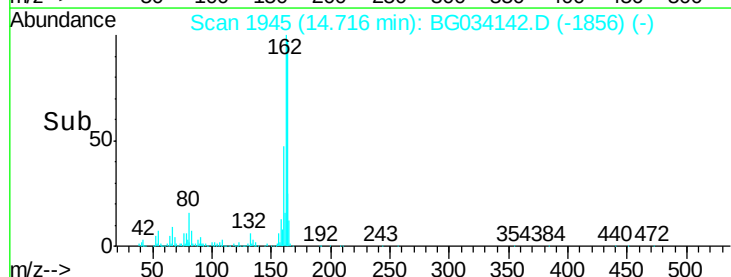
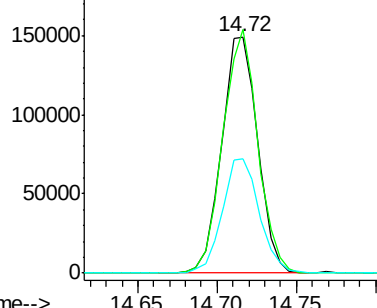
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	78.8	118.2
160	48.6	35.4	53.0

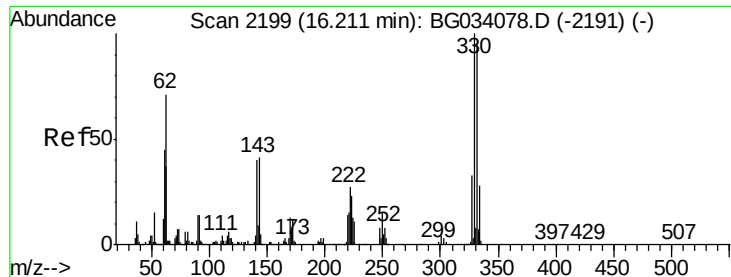


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

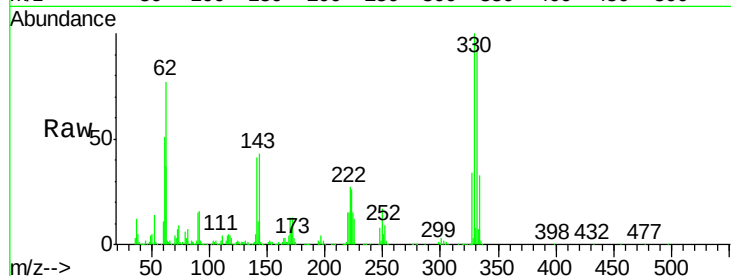




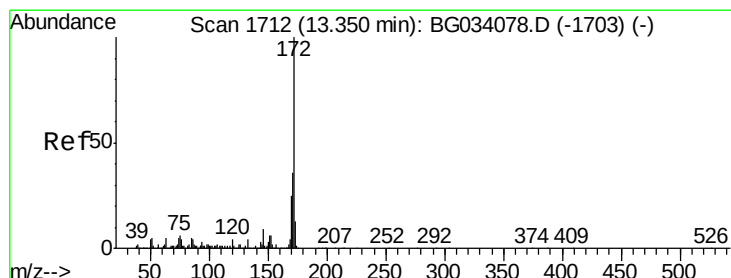
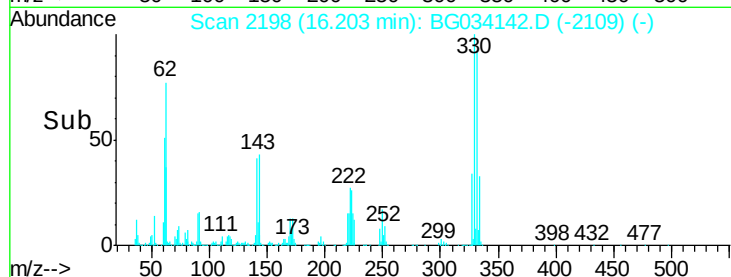
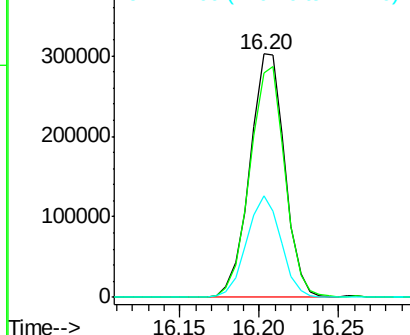
#41
 2,4,6-Tribromophenol
 Concen: 142.009 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034142.D
 Acq: 3 May 2018 8:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 462501
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 41.1 25.2 37.8#

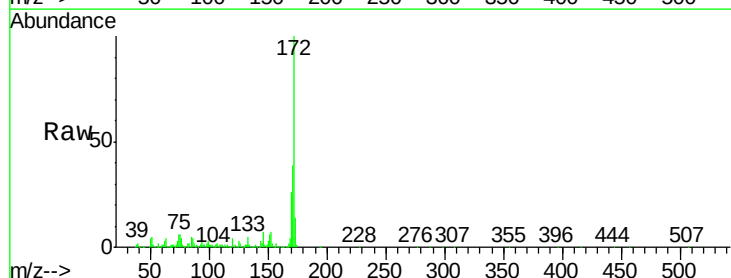


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

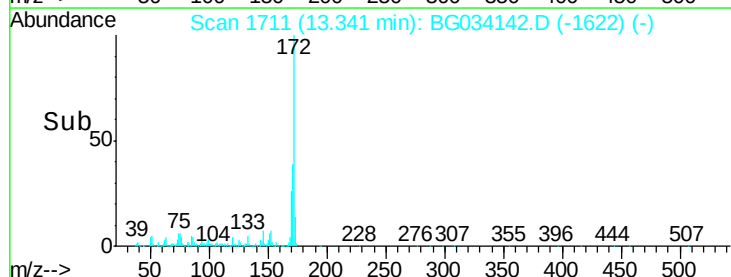
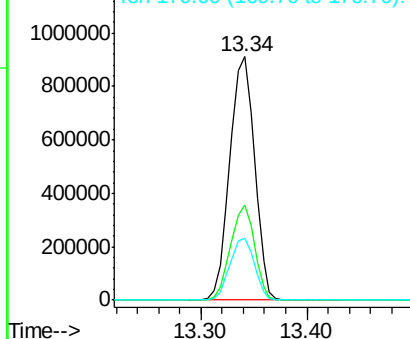


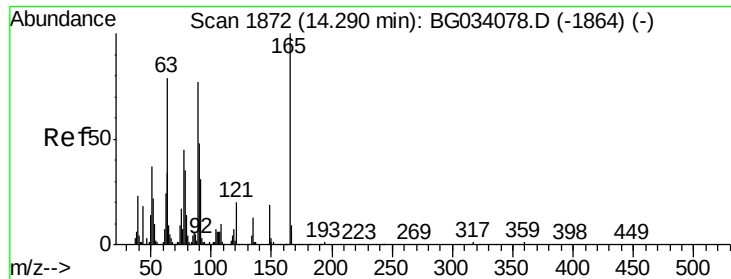
#44
 2-Fluorobiphenyl
 Concen: 91.180 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034142.D
 Acq: 3 May 2018 8:53

Tgt Ion:172 Resp: 1471748
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 25.6 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

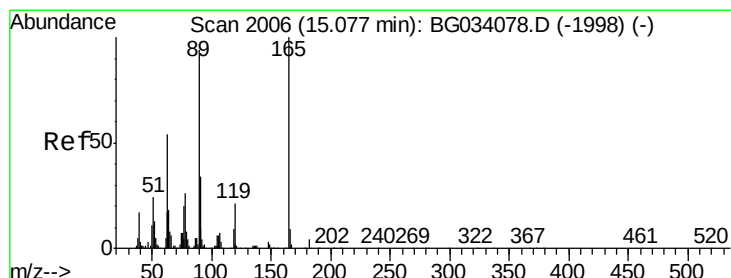
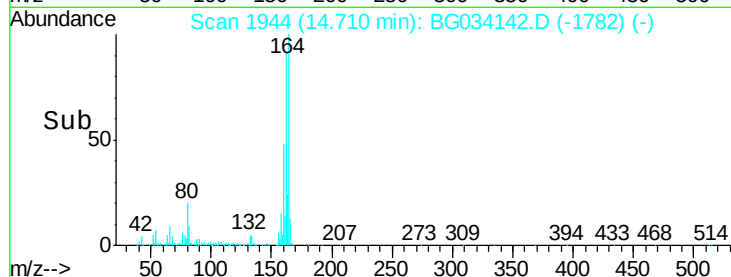
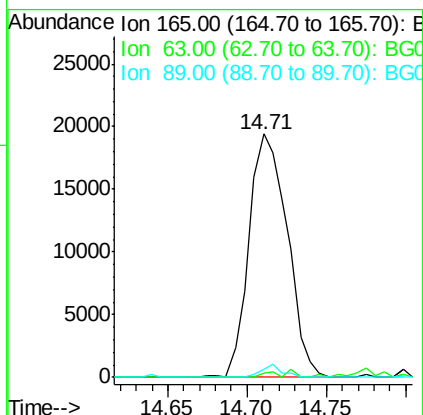
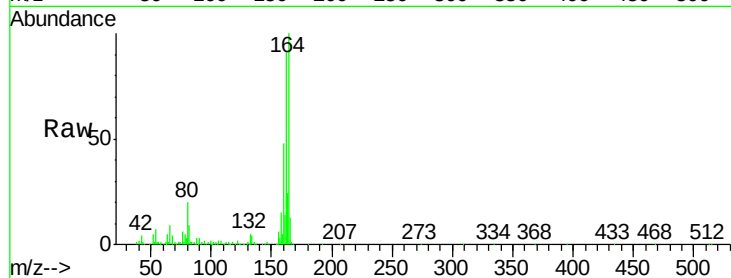




#50
2,6-Dinitrotoluene
Concen: 8.280 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.42 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

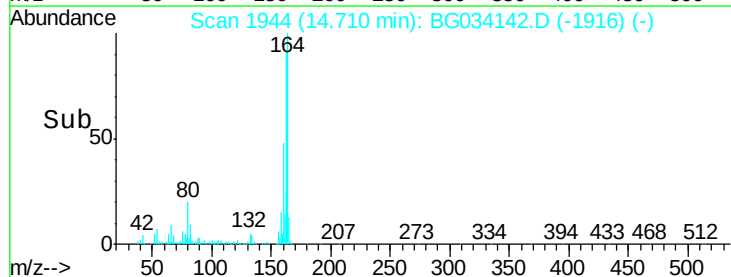
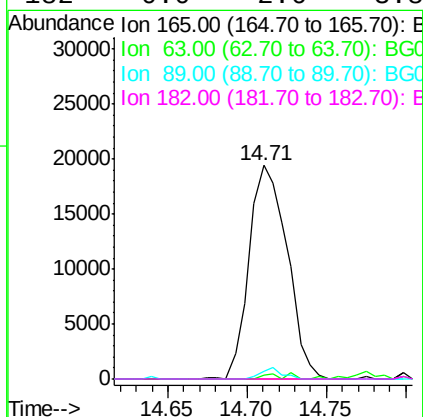
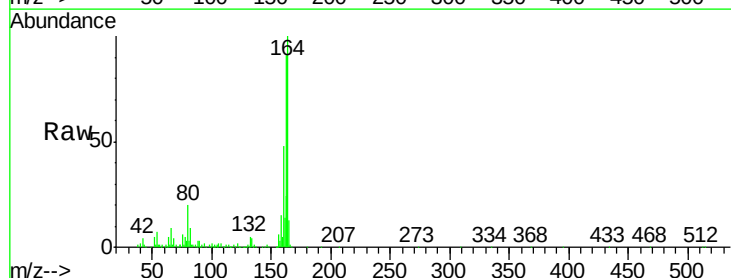
Instrument :
BNA_G
ClientSampleId :

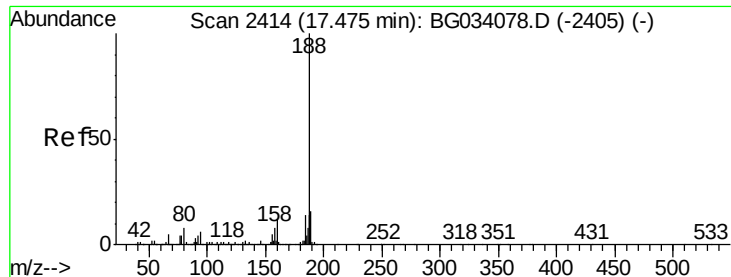
Tot Ion:165 Resp: 32432
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 3.4 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.098 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.37 min
Lab File: BG034142.D
Acq: 3 May 2018 8:53

Tgt Ion:165 Resp: 32432
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 3.4 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: BG034142.D

Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampleId :

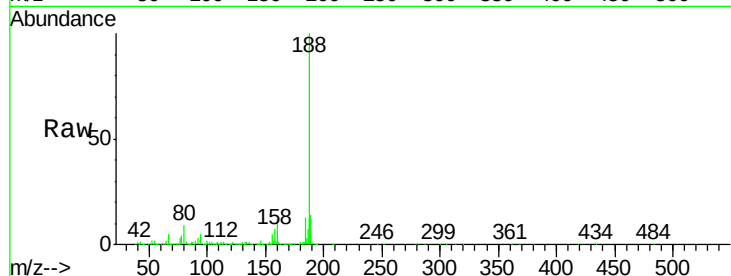
Tot Ion:188 Resp: 645717

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

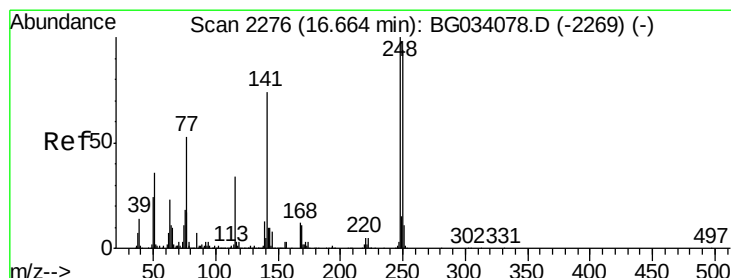
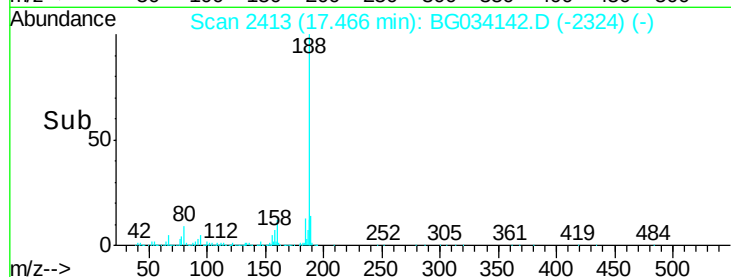
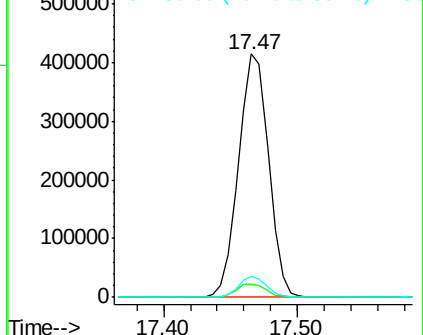
80 8.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#66

4-Bromophenyl-phenylether

Concen: 4.920 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.46 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

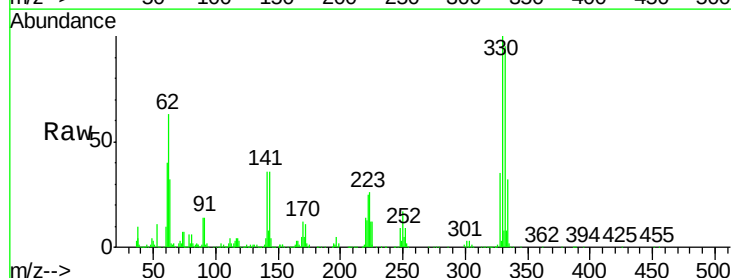
Tgt Ion:248 Resp: 39446

Ion Ratio Lower Upper

248 100

250 189.9 77.1 115.7#

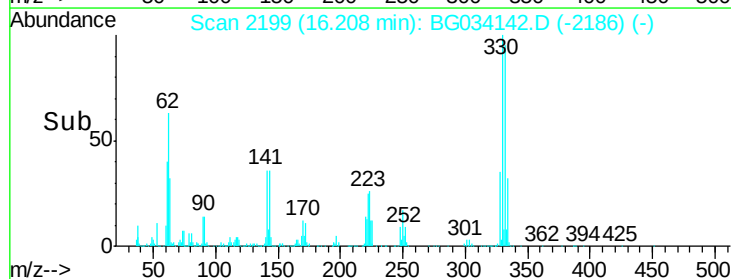
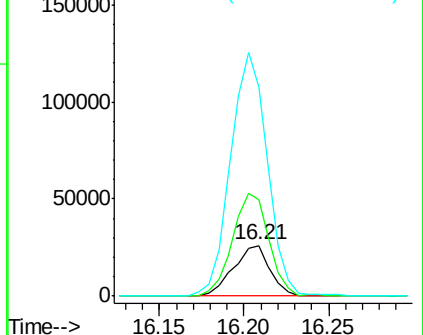
141 410.7 50.8 76.2#

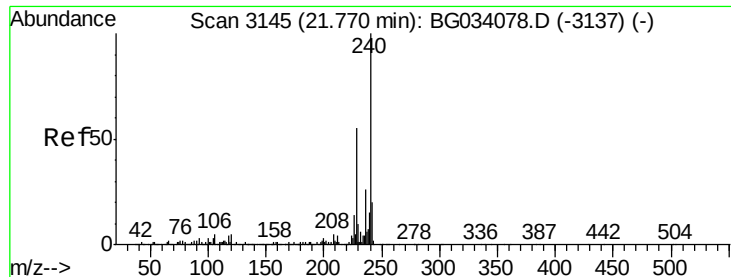


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampleId :

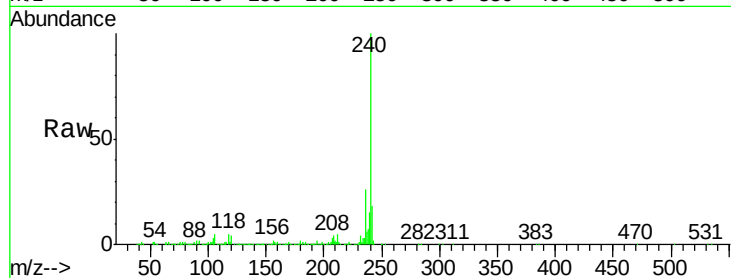
Tot Ion:240 Resp: 763266

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

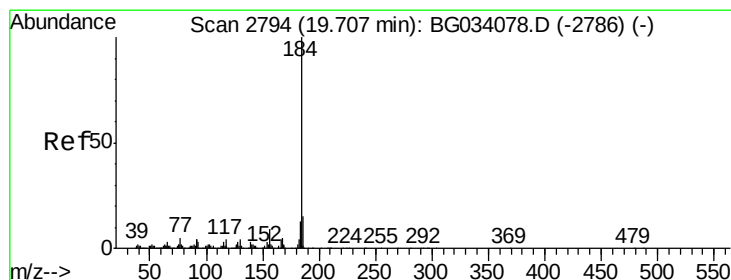
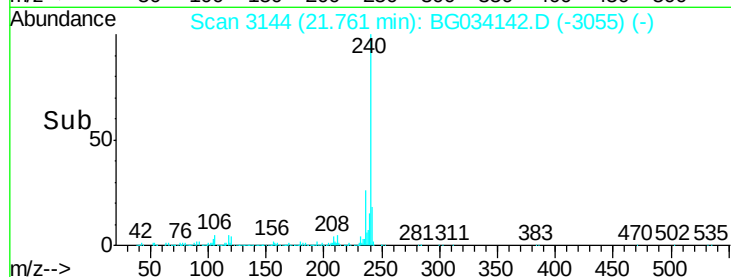
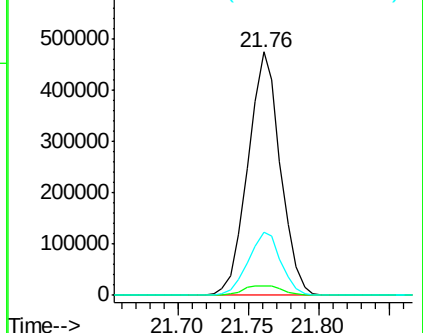
236 25.8 20.9 31.3



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: 131.351 ng

RT: 19.71 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

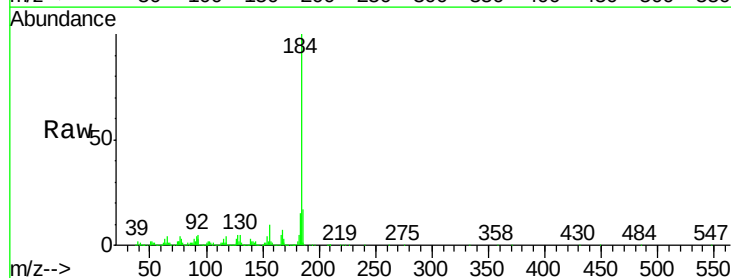
Tgt Ion:184 Resp: 2582498

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

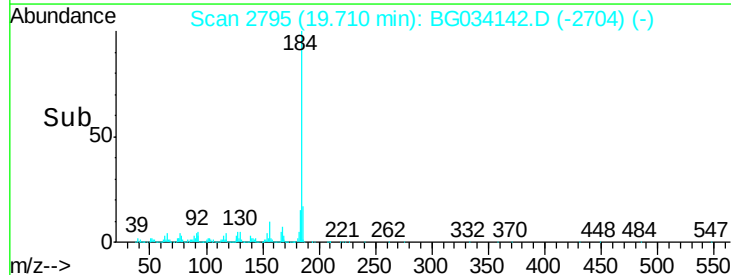
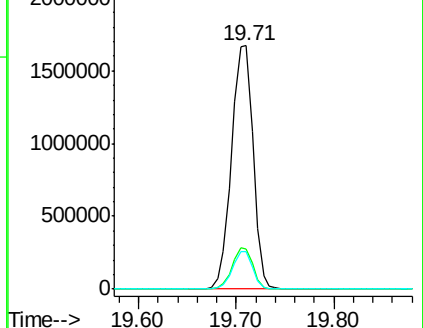
183 15.5 10.6 16.0

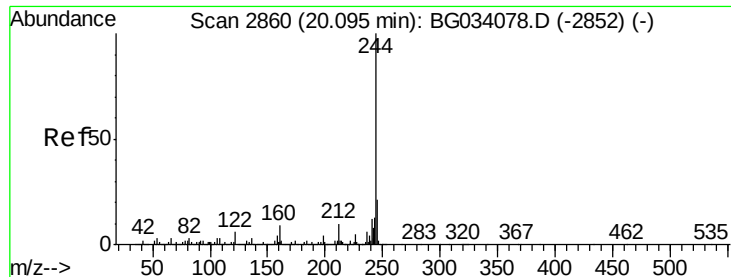


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.987 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

Instrument :

BNA_G

ClientSampleId :

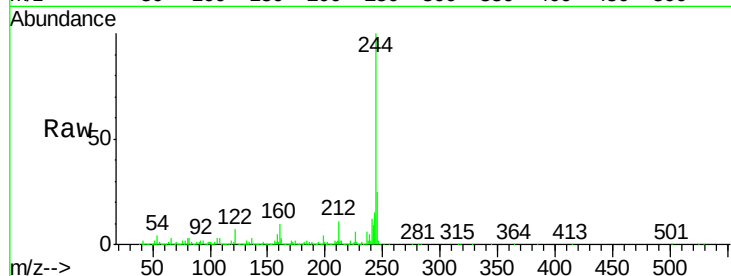
Tot Ion:244 Resp: 2891418

Ion	Ratio	Lower	Upper
244	100		
212	10.8	5.8	8.8#
122	6.9	7.0	10.4#

244 100

212 10.8 5.8 8.8#

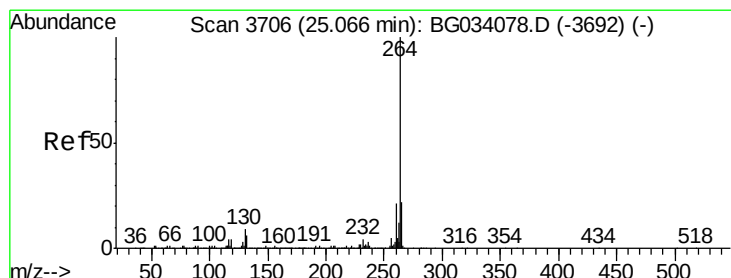
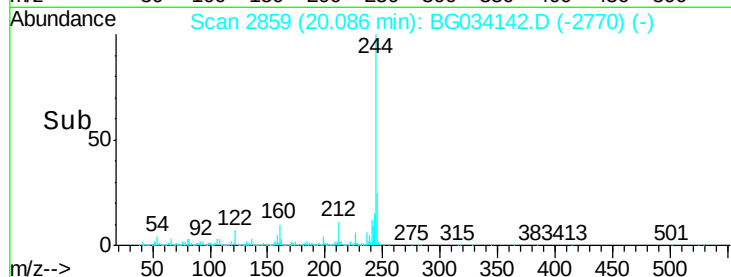
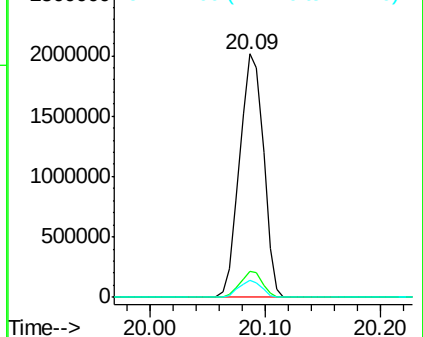
122 6.9 7.0 10.4#



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: 25.06 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG034142.D

Acq: 3 May 2018 8:53

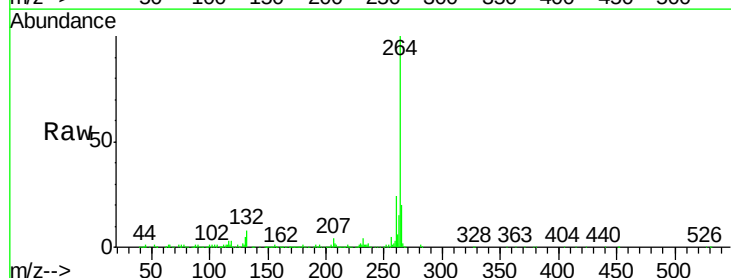
Tgt Ion:264 Resp: 769739

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	20.2	17.7	26.5

264 100

260 24.0 17.4 26.0

265 20.2 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

