

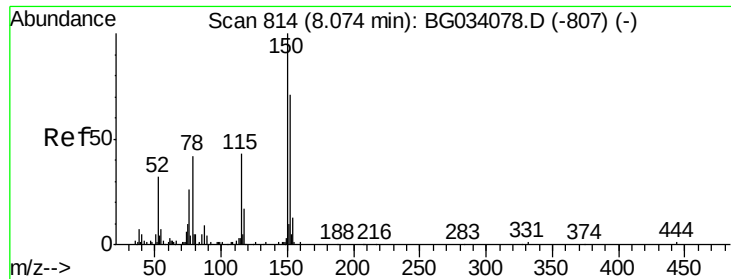
Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034132.D
 Acq On : 3 May 2018 1:15
 Operator : SJ/JU
 Sample : J2652-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:49:36 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	77574	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	300423	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	254854	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	717430	20.00	ng	0.00
75) Chrysene-d12	21.76	240	755379	20.00	ng	-0.01
86) Perylene-d12	25.05	264	749601	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	656922	136.82	ng	0.00
7) Phenol-d6	7.22	99	901073	120.55	ng	0.00
23) Nitrobenzene-d5	9.24	82	797330	101.83	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	561562	159.13	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1615593	92.37	ng	-0.01
78) Terphenyl-d14	20.09	244	3264341	94.67	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	6469	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.23	70	123361	18.38	ng	# 76
31) Naphthalene	10.95	128	2519914	159.58	ng	97
32) Benzoic acid	10.17	122	59	3.13	ng	# 1
33) 4-Chloroaniline	10.95	127	373006	52.38	ng	# 32
37) 2-Methylnaphthalene	12.54	142	573546	44.80	ng	# 93
45) 1,1'-Biphenyl	13.55	154	91109	4.58	ng	96
51) Acenaphthene	14.78	154	287466	17.58	ng	96
57) Fluorene	15.76	166	160446	7.76	ng	94
66) 4-Bromophenyl-phenylether	16.21	248	50101	5.62	ng	# 1
70) Phenanthrene	17.51	178	317091	8.60	ng	97
76) Benzidine	19.69	184	254060	13.06	ng	99

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

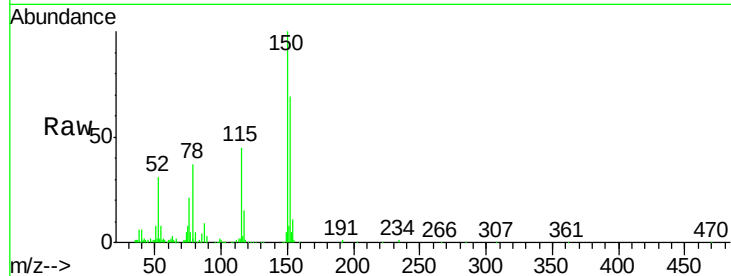


#1

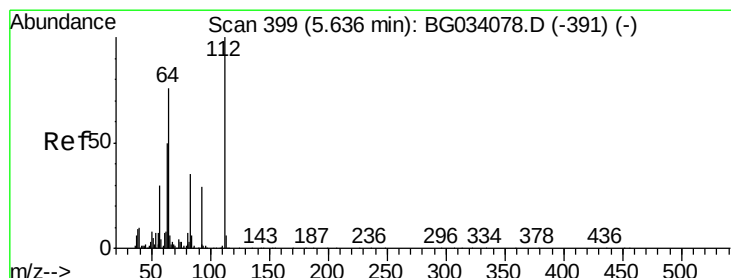
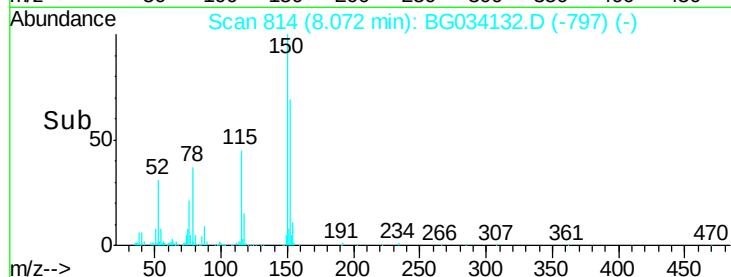
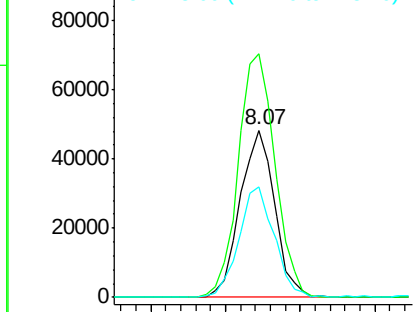
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77574
Ion Ratio Lower Upper
152 100
150 145.4 126.6 189.8
115 66.0 53.0 79.4



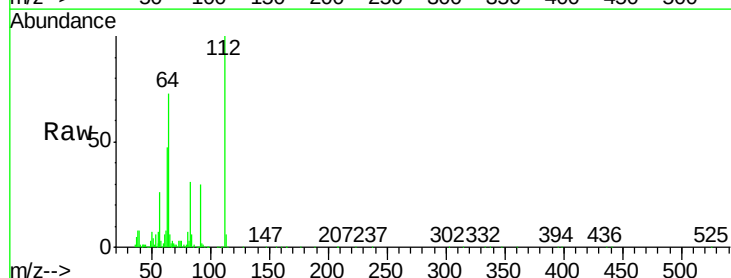
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



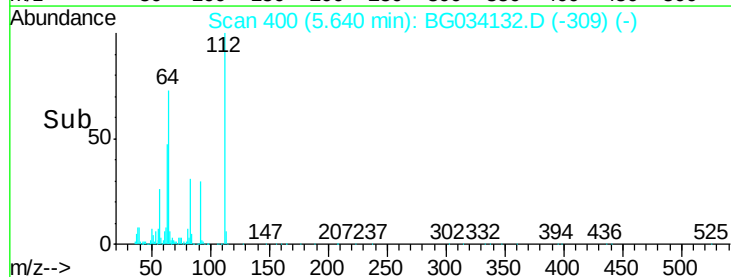
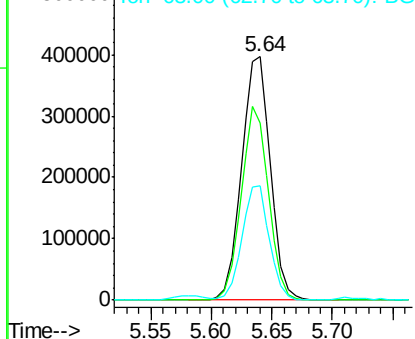
#5

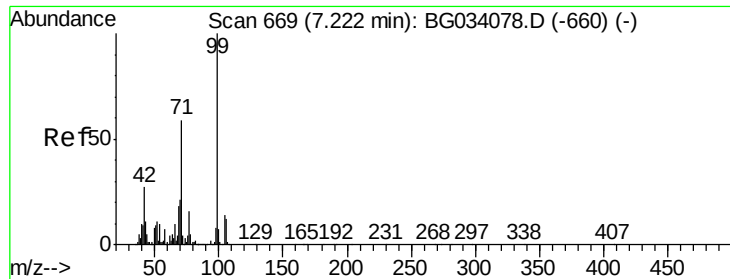
2-Fluorophenol
Concen: 136.82 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:112 Resp: 656922
Ion Ratio Lower Upper
112 100
64 72.7 56.3 84.5
63 47.1 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: 120.55 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

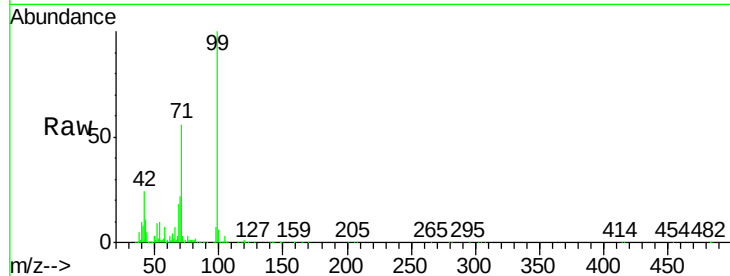
Tot Ion: 99 Resp: 901073

Ion Ratio Lower Upper

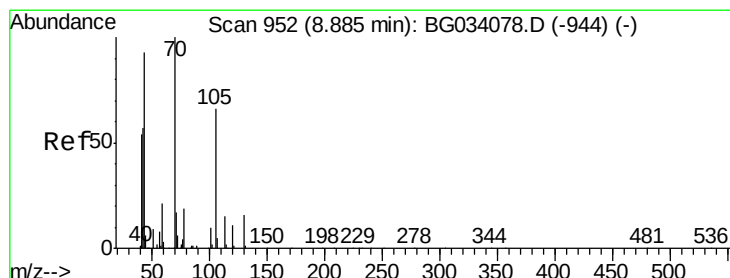
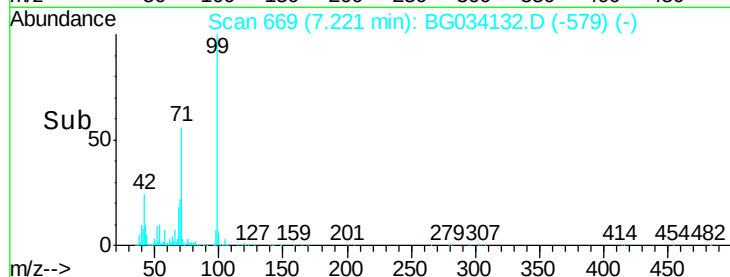
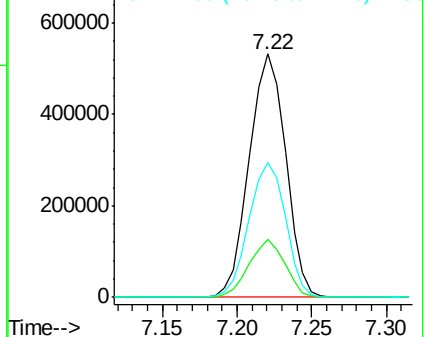
99 100

42 23.9 14.1 21.1#

71 55.6 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: 18.38 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Tgt Ion: 70 Resp: 123361

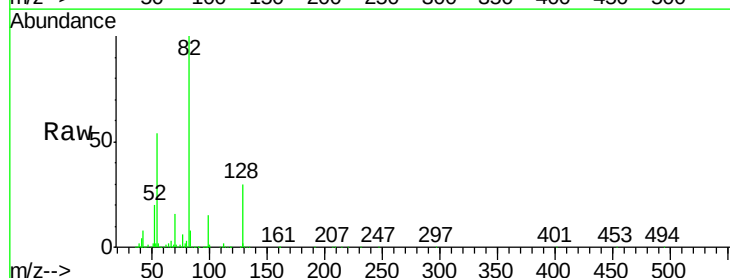
Ion Ratio Lower Upper

70 100

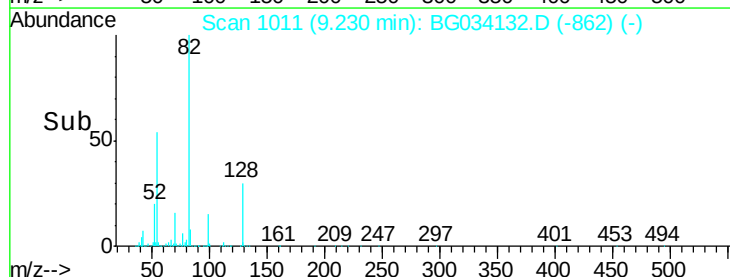
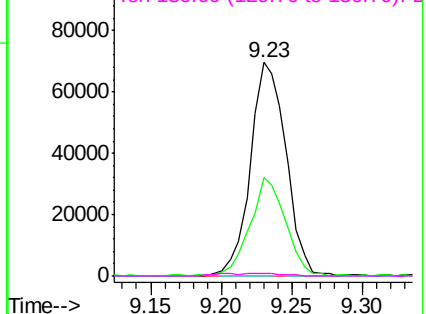
42 45.9 49.1 73.7#

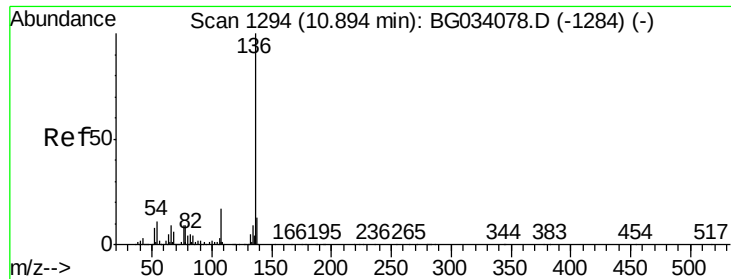
101 0.0 8.5 12.7#

130 1.5 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

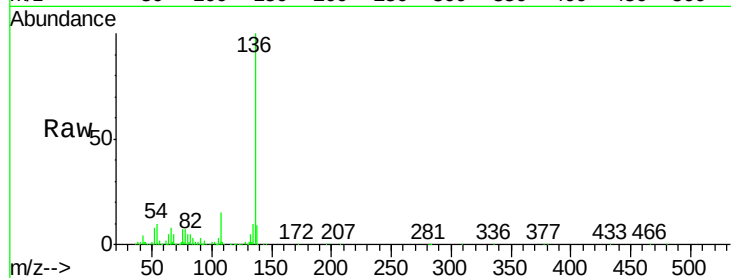




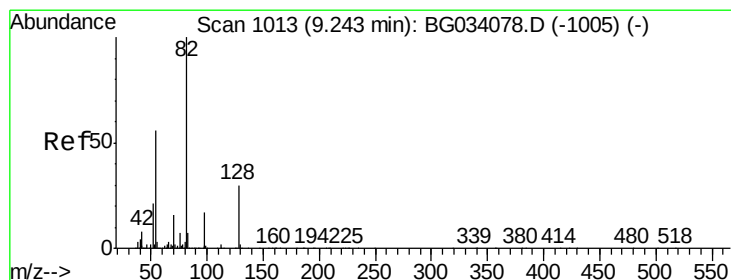
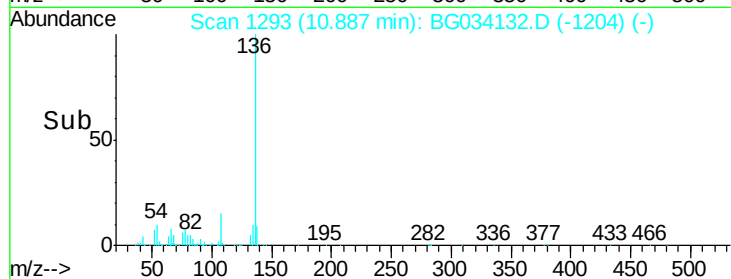
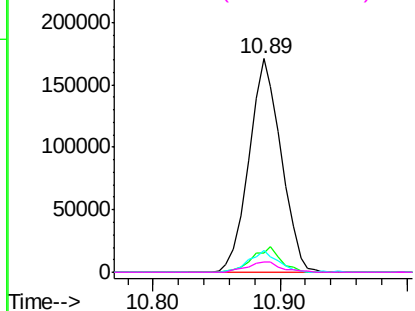
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	300423
Ion Ratio	Lower	Upper
136	100	
137	9.2	9.2 13.8#
54	10.3	10.3 15.5
68	4.5	4.5 6.7

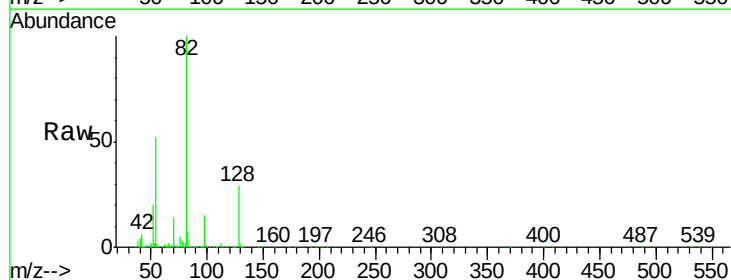


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

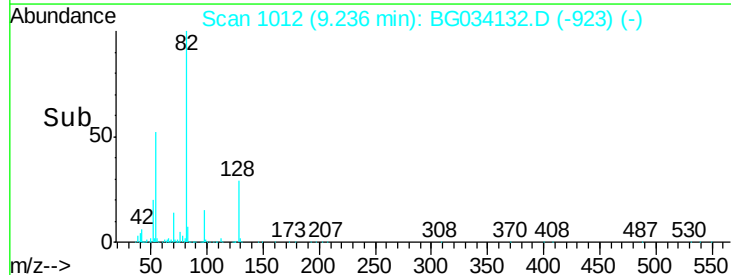
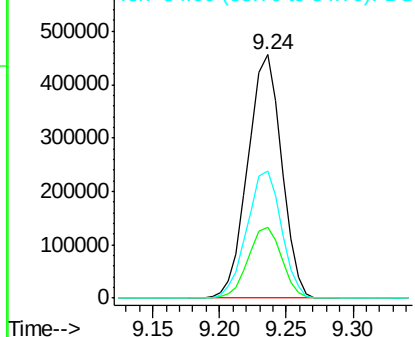


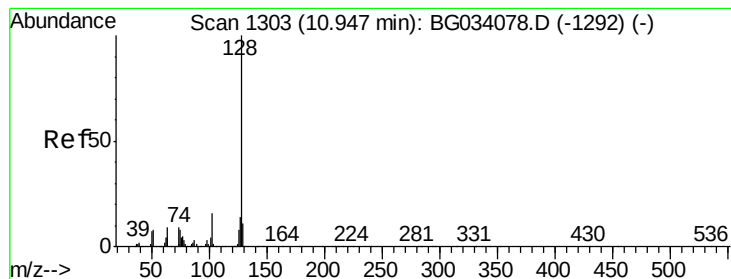
#23
Nitrobenzene-d5
Concen: 101.83 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion: 82	Resp:	797330
Ion Ratio	Lower	Upper
82	100	
128	28.9	29.7 44.5#
54	52.0	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





#31

Naphthalene

Concen: 159.58 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

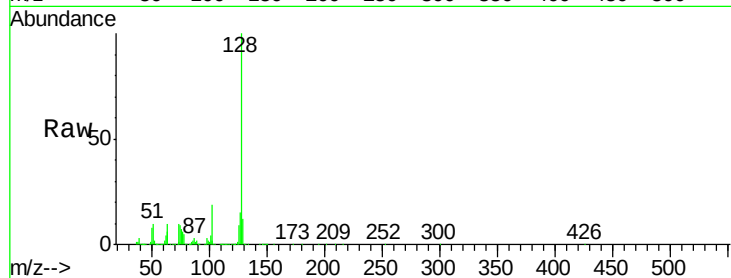
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 2519914

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.6	12.8
127	15.2	11.6	17.4

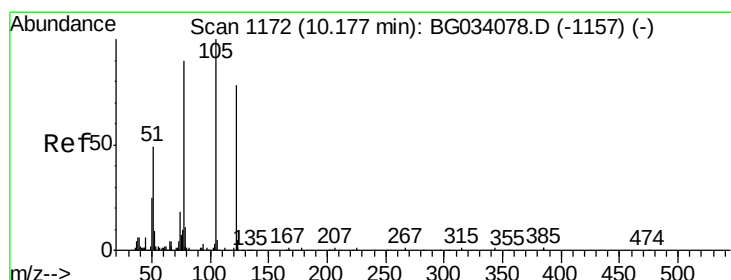
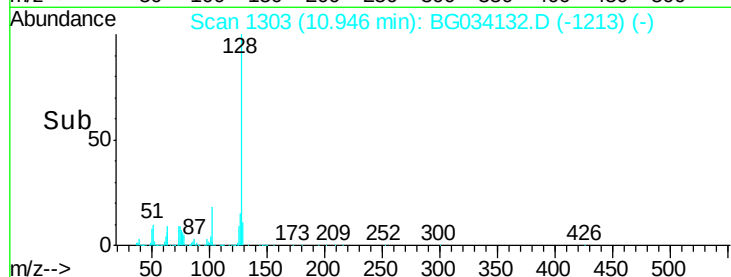
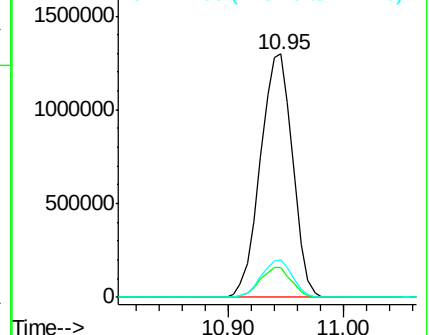


Abundance

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: 3.13 ng

RT: 10.17 min Scan# 1171

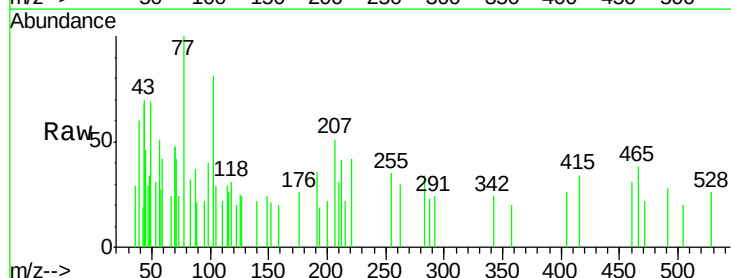
Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Tgt Ion:122 Resp: 59

Ion	Ratio	Lower	Upper
122	100		
105	140.7	123.5	163.5
77	490.4	85.7	125.7#

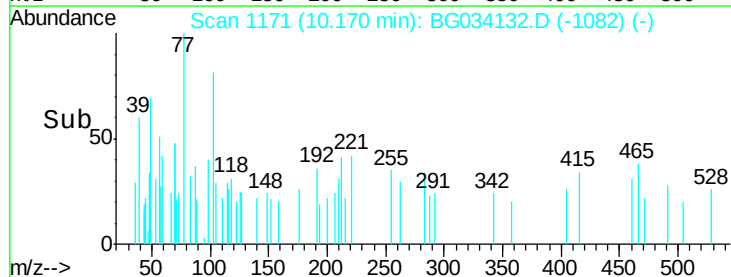
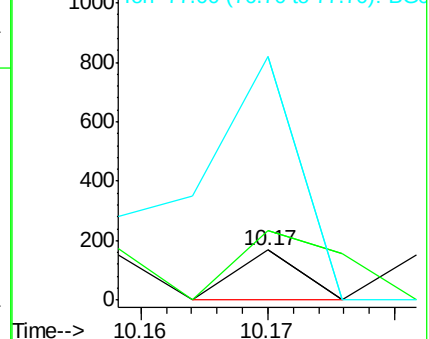


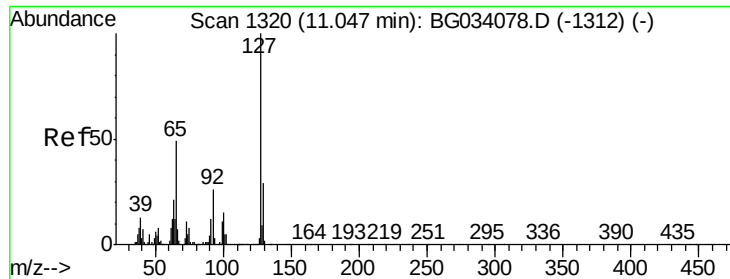
Abundance

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

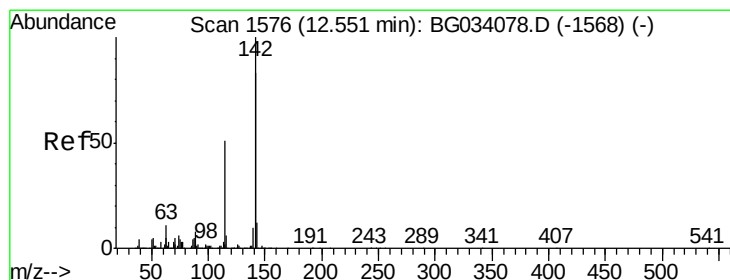
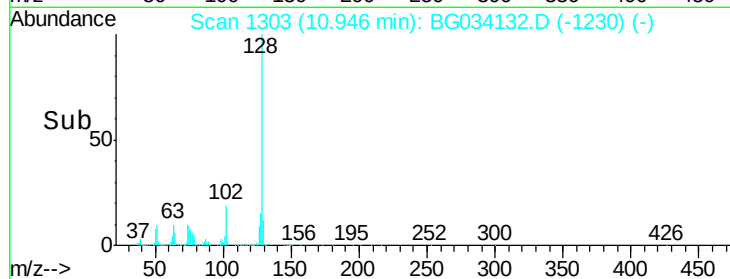
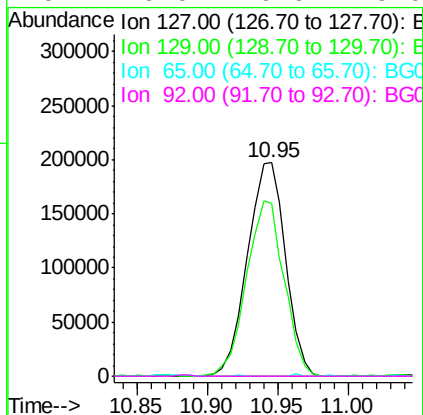
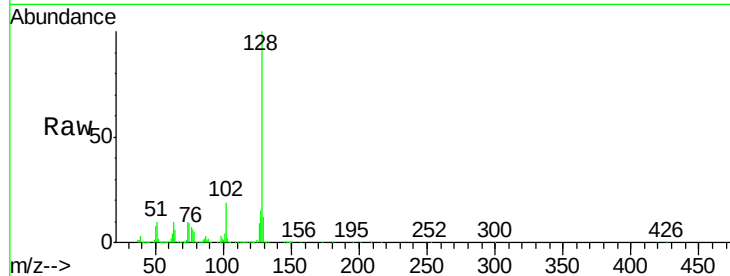




#33
4-Chloroaniline
Concen: 52.38 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.10 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

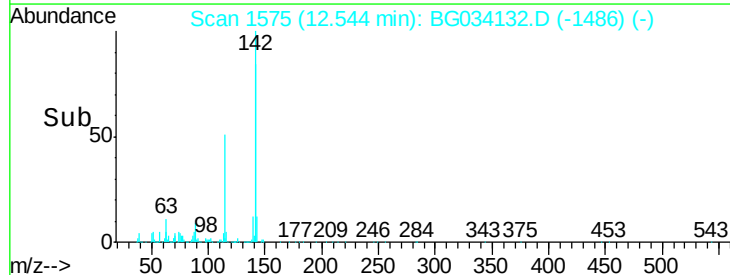
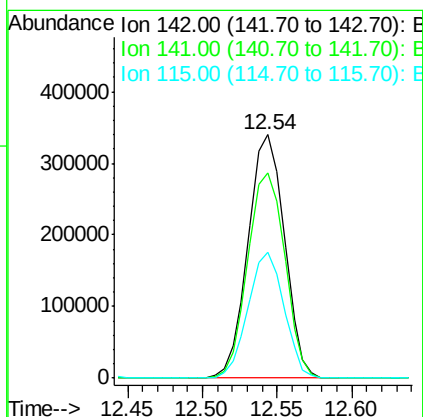
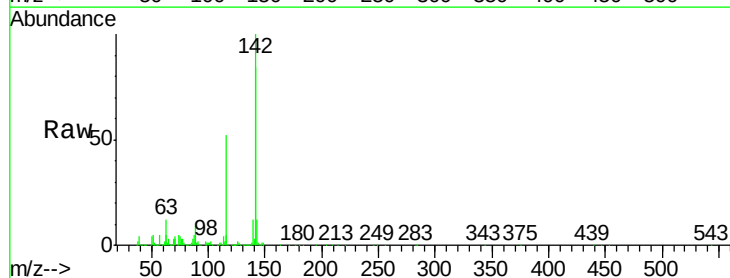
Instrument :
BNA_G
ClientSampleId :

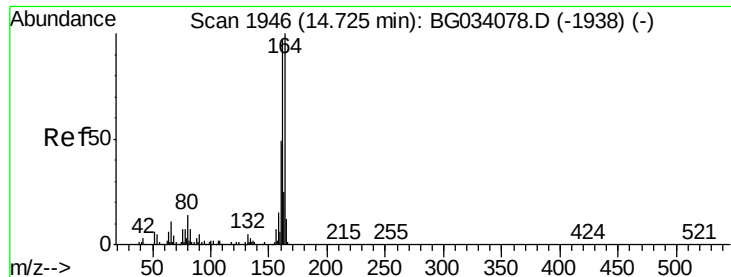
Tot Ion:	127	Resp:	373006
Ion	Ratio	Lower	Upper
127	100		
129	81.1	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 44.80 ng
RT: 12.54 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:	142	Resp:	573546
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.1	100.7
115	51.6	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

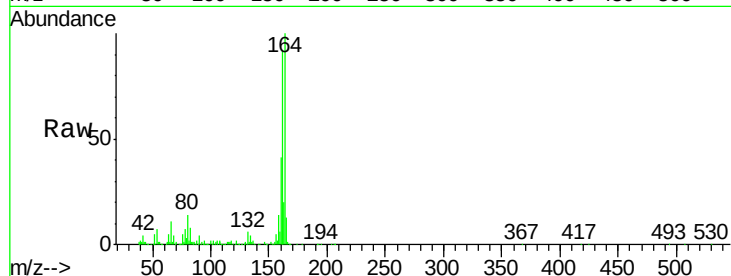
Tot Ion:164 Resp: 254854

Ion Ratio Lower Upper

164 100

162 92.4 78.8 118.2

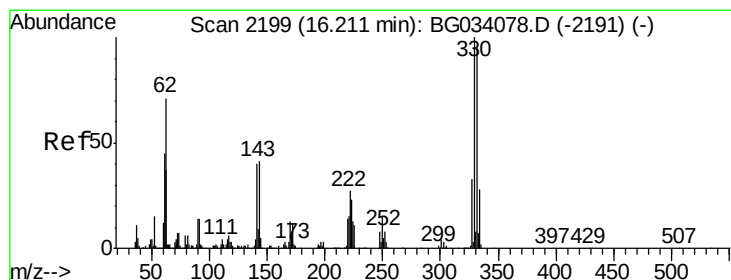
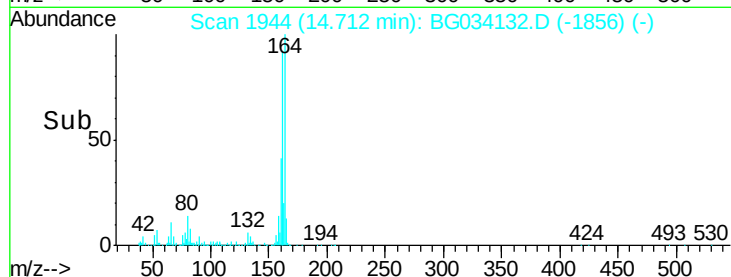
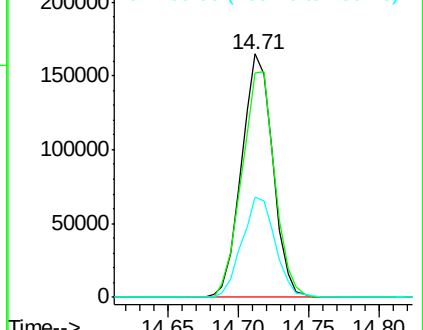
160 41.2 35.4 53.0



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: 159.13 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

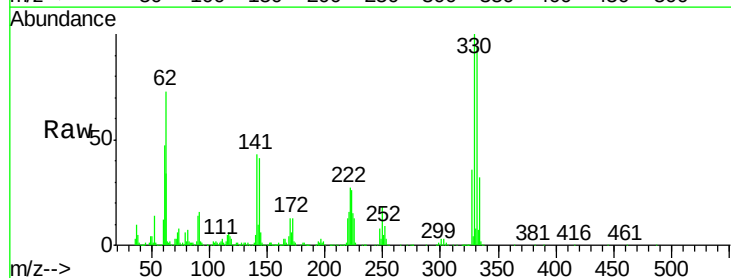
Tgt Ion:330 Resp: 561562

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

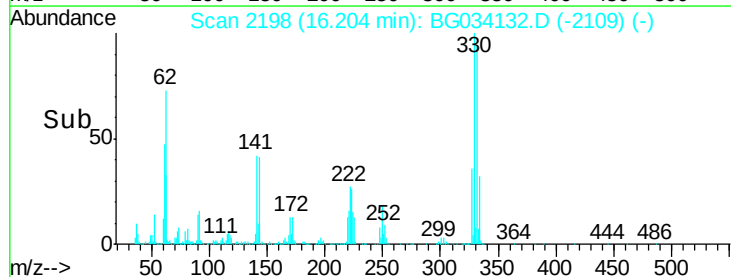
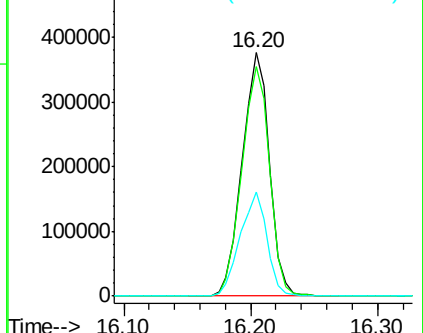
141 42.0 25.2 37.8#

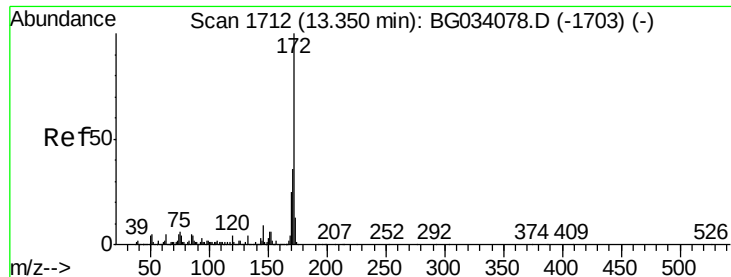


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

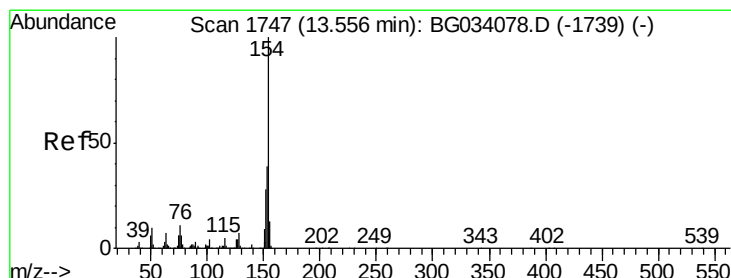
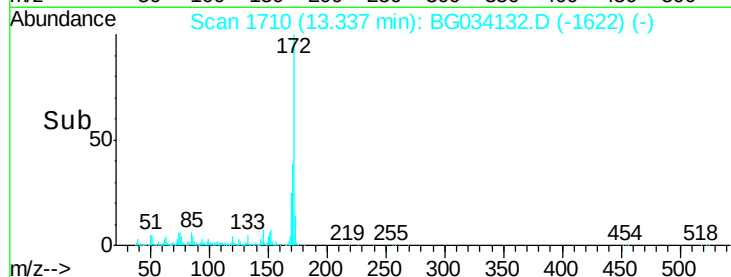
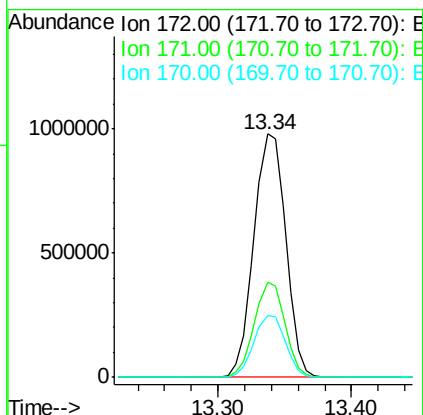
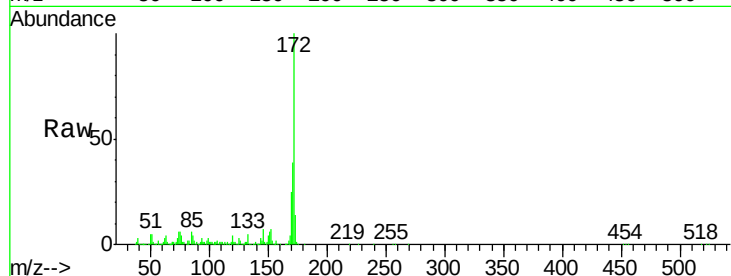




#44
2-Fluorobiphenyl
Concen: 92.37 ng
RT: 13.34 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

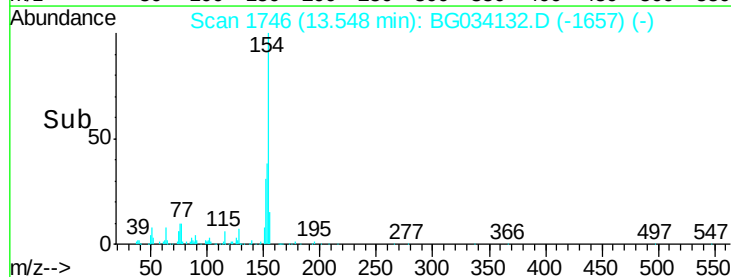
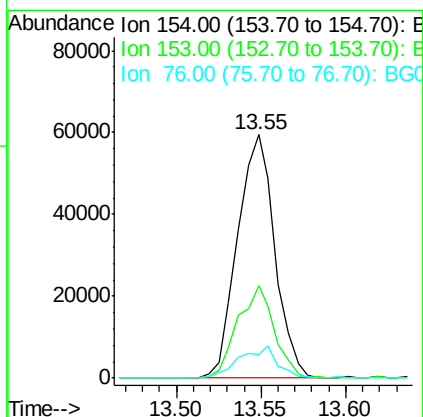
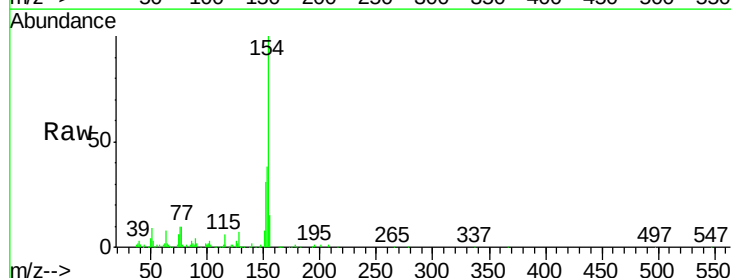
Instrument :
BNA_G
ClientSampleId :

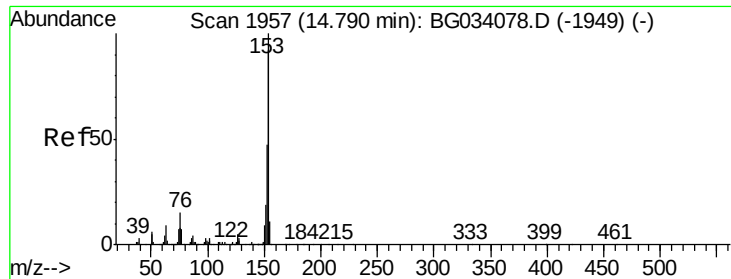
Tot Ion:172 Resp: 1615593
Ion Ratio Lower Upper
172 100
171 38.8 30.0 45.0
170 25.4 19.5 29.3



#45
1,1'-Biphenyl
Concen: 4.58 ng
RT: 13.55 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:154 Resp: 91109
Ion Ratio Lower Upper
154 100
153 37.8 19.8 59.8
76 9.9 0.0 31.9





#51

Acenaphthene

Concen: 17.58 ng

RT: 14.78 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

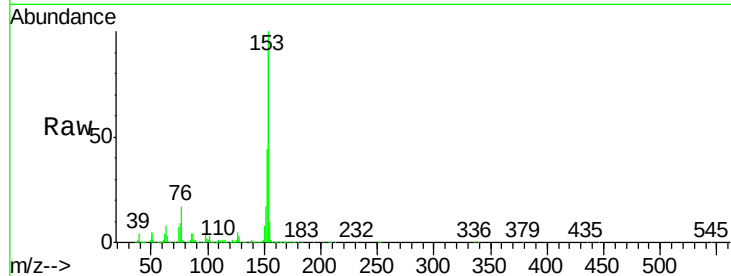
Tot Ion:154 Resp: 287466

Ion Ratio Lower Upper

154 100

153 109.7 90.4 135.6

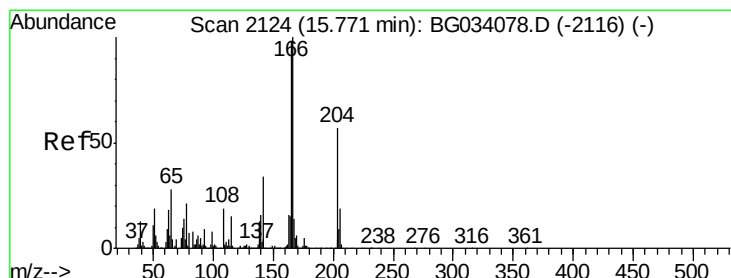
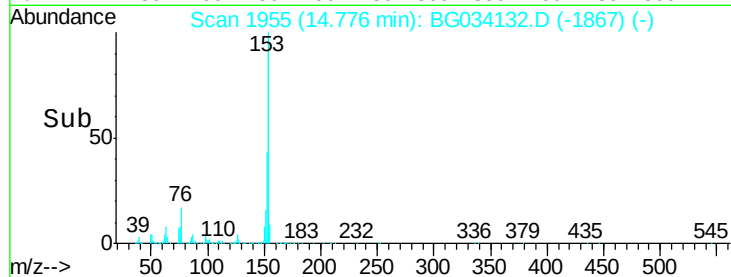
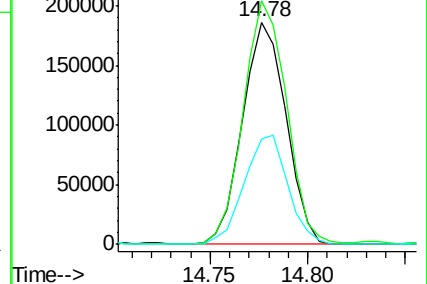
152 47.8 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 7.76 ng

RT: 15.76 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

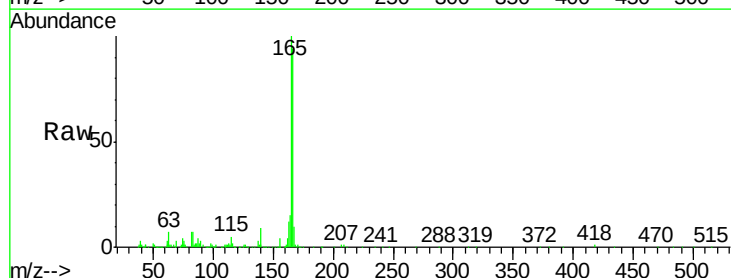
Tgt Ion:166 Resp: 160446

Ion Ratio Lower Upper

166 100

165 106.8 80.6 121.0

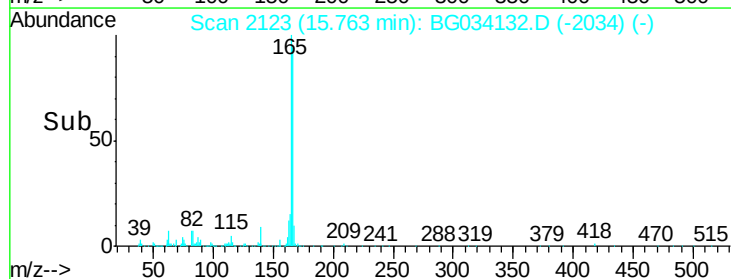
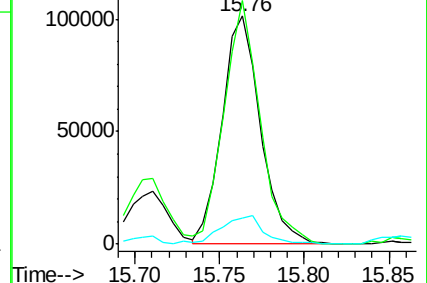
167 11.2 10.4 15.6

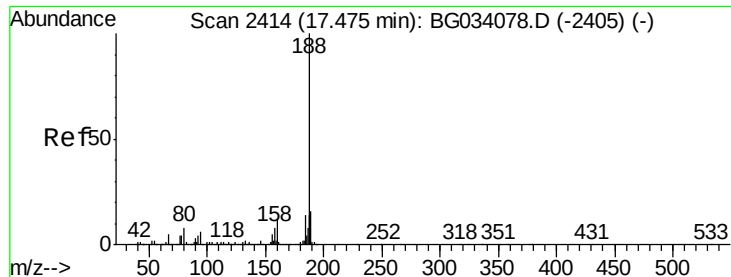


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Instrument :

BNA_G

ClientSampleId :

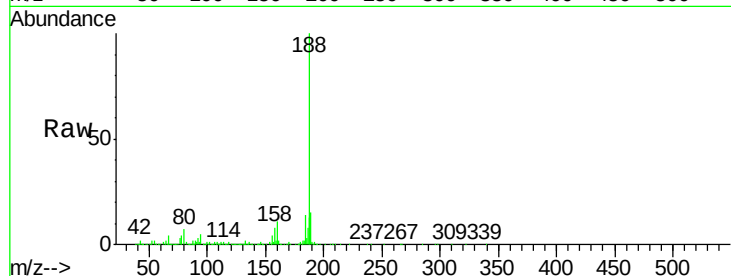
Tot Ion:188 Resp: 717430

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

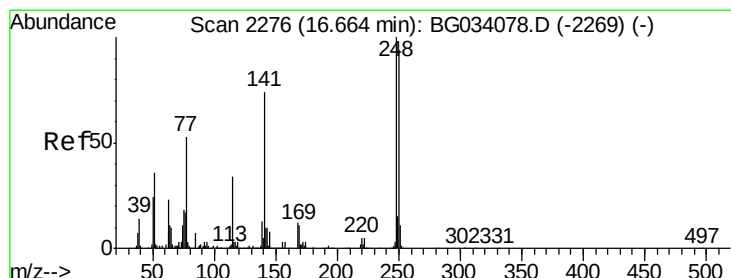
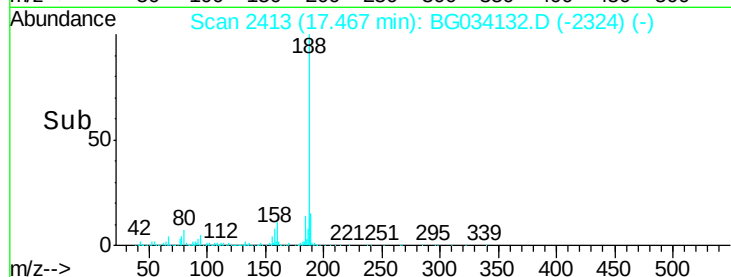
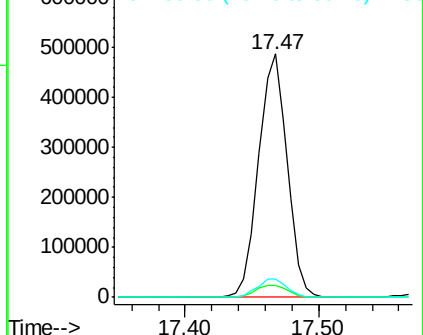
80 7.3 7.7 11.5#



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: 5.62 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

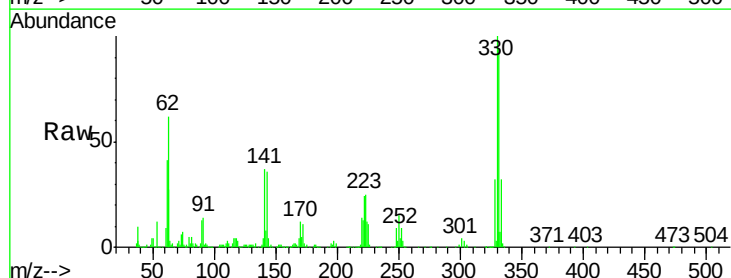
Tgt Ion:248 Resp: 50101

Ion Ratio Lower Upper

248 100

250 165.1 77.1 115.7#

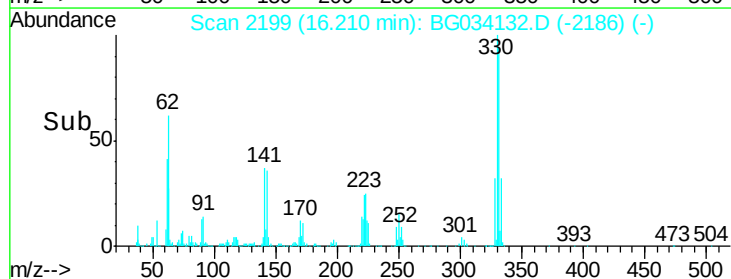
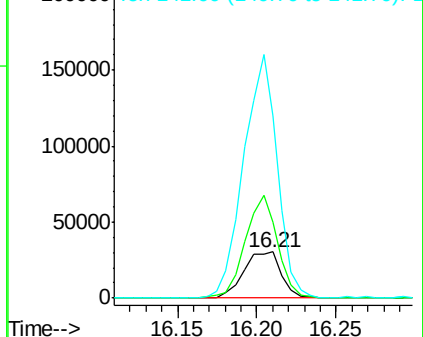
141 395.1 50.8 76.2#

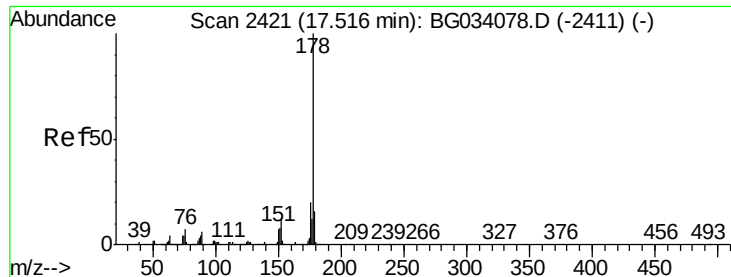


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

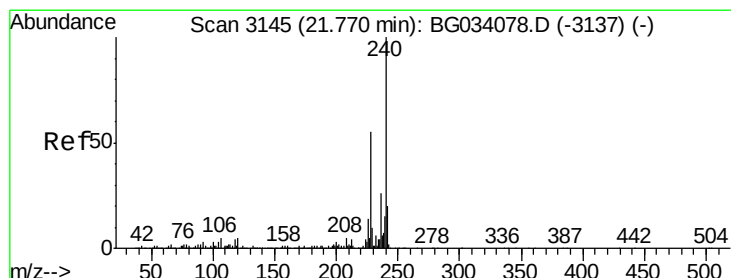
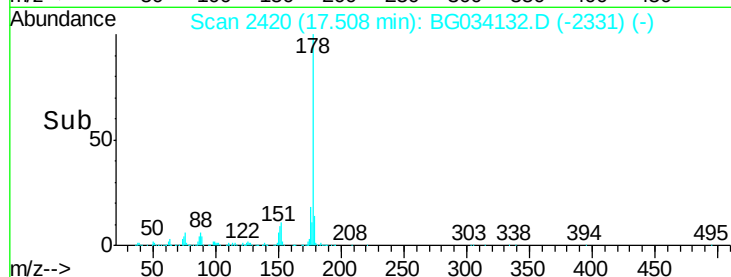
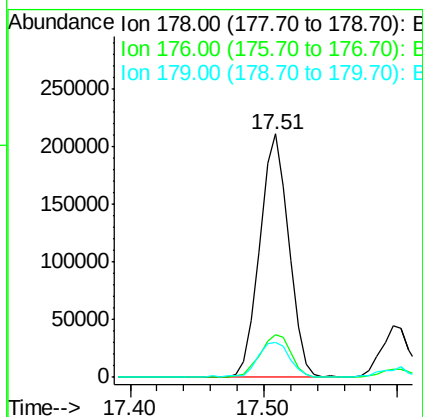
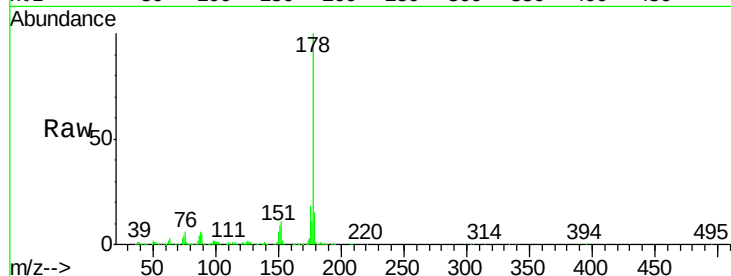




#70
Phenanthrene
Concen: 8.60 ng
RT: 17.51 min Scan# 2420
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

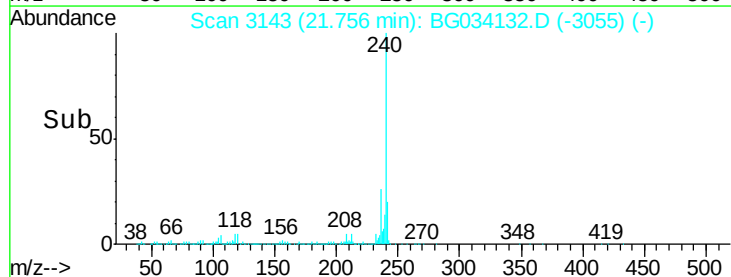
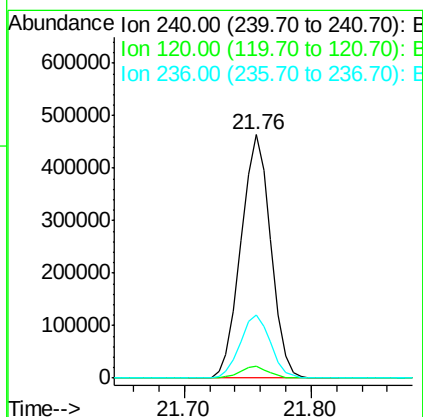
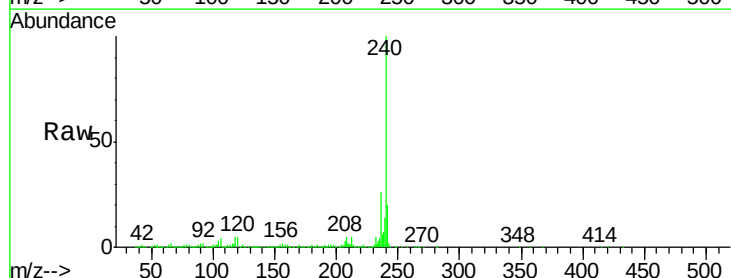
Instrument :
BNA_G
ClientSampleId :

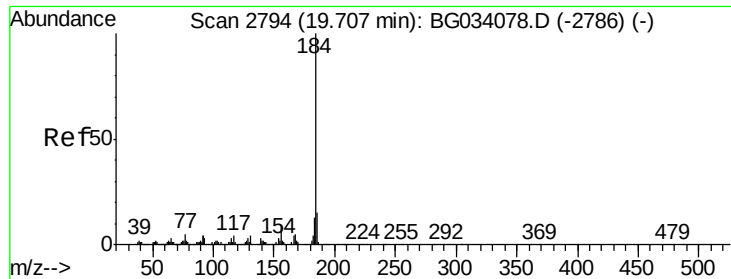
Tot Ion:178 Resp: 317091
Ion Ratio Lower Upper
178 100
176 17.6 15.7 23.5
179 14.6 12.5 18.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG034132.D
Acq: 3 May 2018 1:15

Tgt Ion:240 Resp: 755379
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 26.0 20.9 31.3





#76

Benzidine

Concen: 13.06 ng

RT: 19.69 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

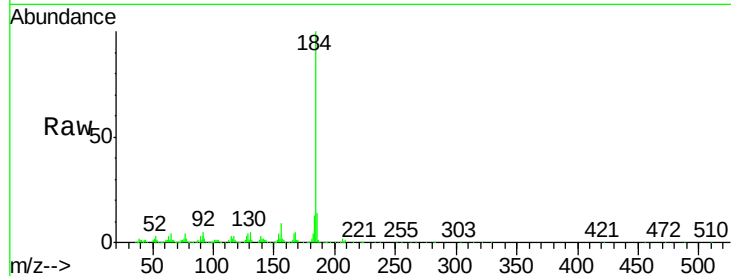
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 254060

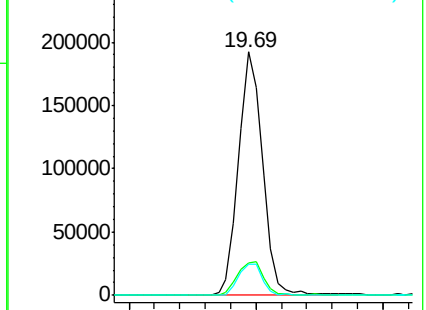
Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.1	16.7
183	12.6	10.6	16.0



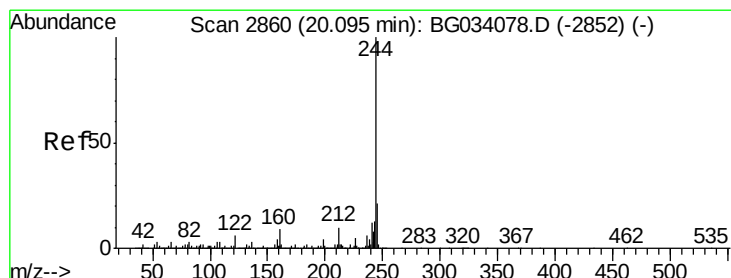
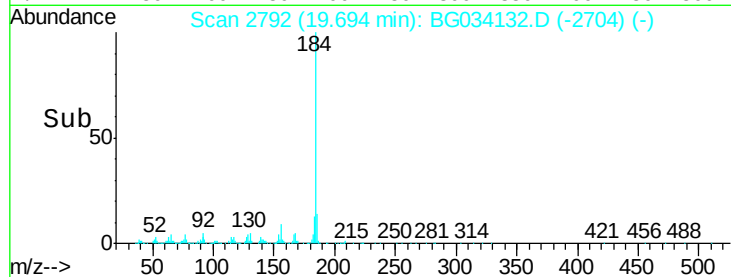
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.60 19.70 19.80



#78

Terphenyl-d14

Concen: 94.67 ng

RT: 20.09 min Scan# 2859

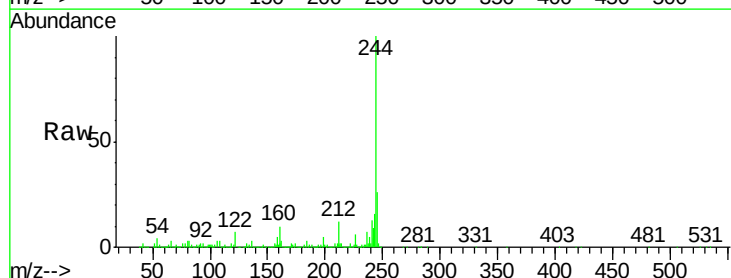
Delta R.T. -0.01 min

Lab File: BG034132.D

Acq: 3 May 2018 1:15

Tgt Ion:244 Resp: 3264341

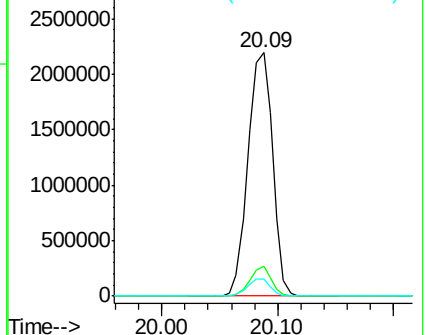
Ion	Ratio	Lower	Upper
244	100		
212	12.1	5.8	8.8#
122	7.2	7.0	10.4



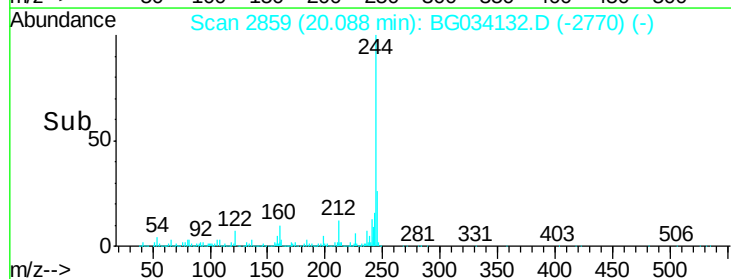
Abundance Ion 244.00 (243.70 to 244.70): E

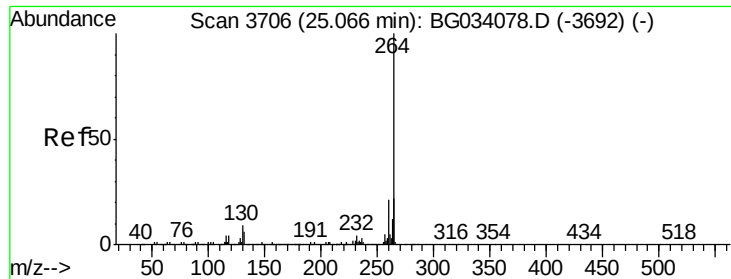
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10

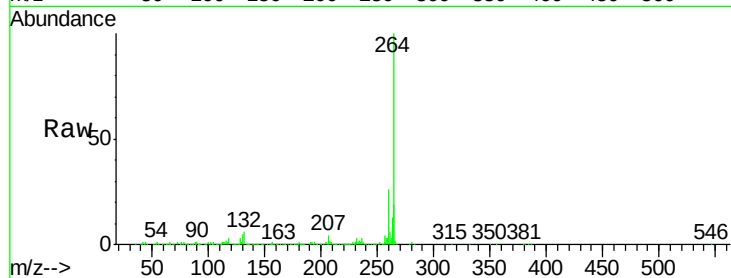




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.05 min Scan# 3703
 Delta R.T. -0.02 min
 Lab File: BG034132.D
 Acq: 3 May 2018 1:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	17.4	26.0#
265	19.5	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

