

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050218\
 Data File : BG034133.D
 Acq On : 3 May 2018 1:53
 Operator : SJ/JU
 Sample : J2652-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 04:49:55 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

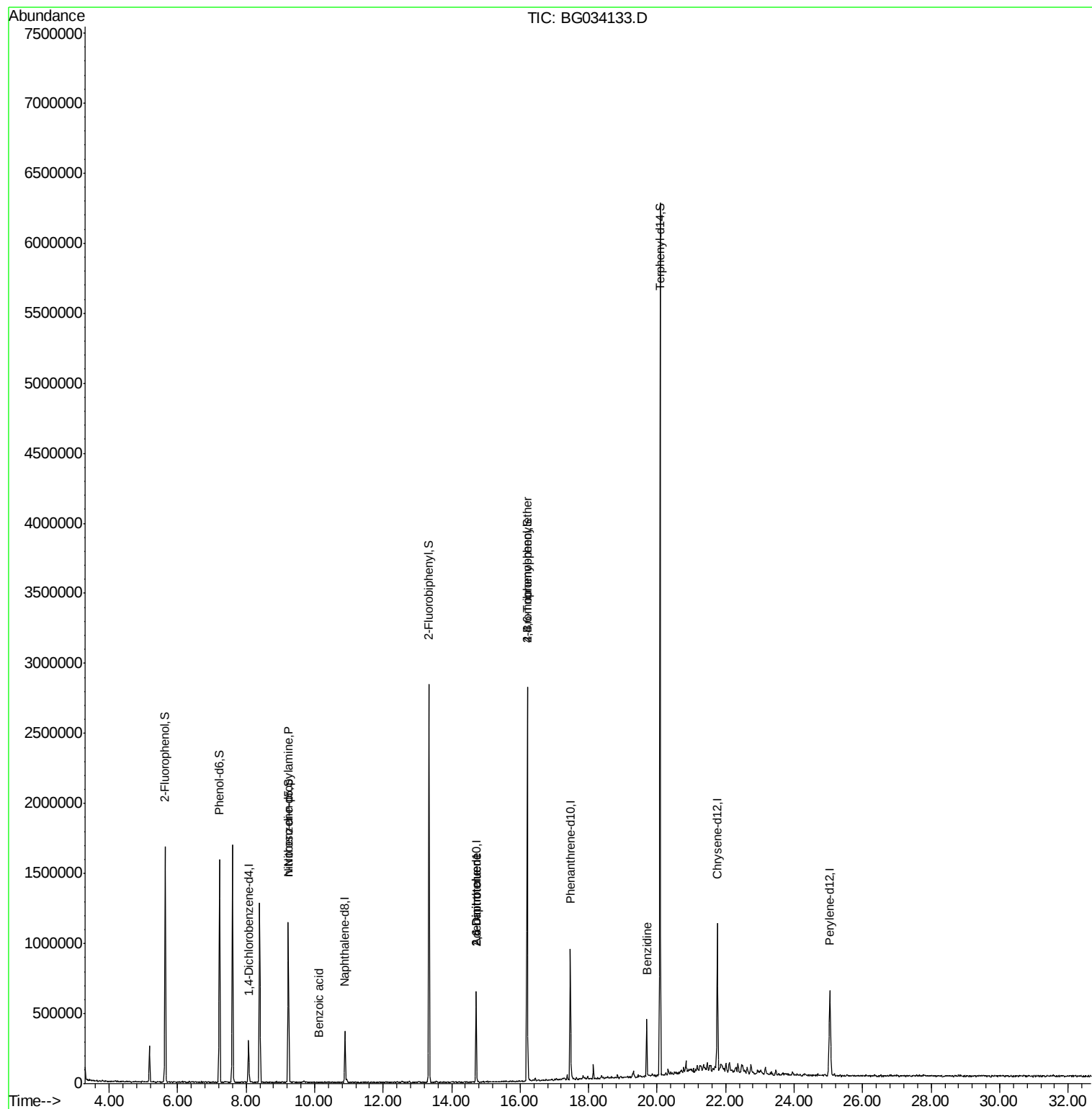
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	68299	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	256116	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	211510	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	578399	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	664447	20.00	ng	-0.01
86) Perylene-d12	25.04	264	698972	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	580427	137.30	ng	0.00
7) Phenol-d6	7.22	99	783592	119.06	ng	0.00
23) Nitrobenzene-d5	9.23	82	694451	104.03	ng	-0.01
41) 2,4,6-Tribromophenol	16.20	330	459735	156.97	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1418493	97.72	ng	-0.01
78) Terphenyl-d14	20.08	244	2732719	90.10	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.21	77	1331	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	9.24	70	110152	18.64	ng	# 75
32) Benzoic acid	10.14	122	54	3.13	ng	# 33
50) 2,6-Dinitrotoluene	14.71	165	27364	7.77	ng	# 21
56) 2,4-Dinitrotoluene	14.71	165	27364	5.72	ng	# 19
66) 4-Bromophenyl-phenylether	16.20	248	41015	5.71	ng	# 1
76) Benzydine	19.69	184	215778	12.61	ng	98

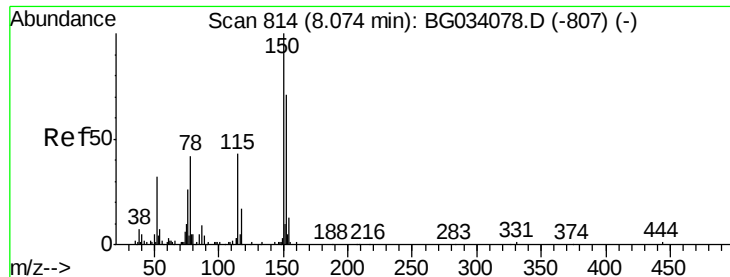
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampleId :

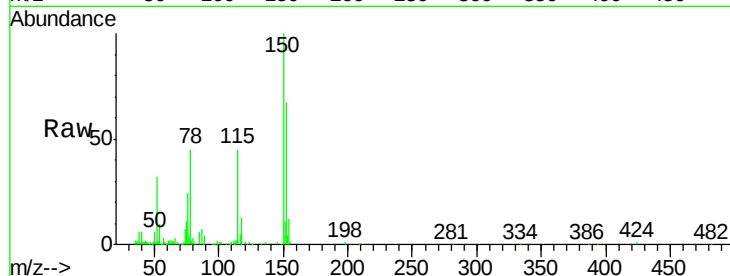
Tot Ion:152 Resp: 68299

Ion Ratio Lower Upper

152 100

150 150.0 126.6 189.8

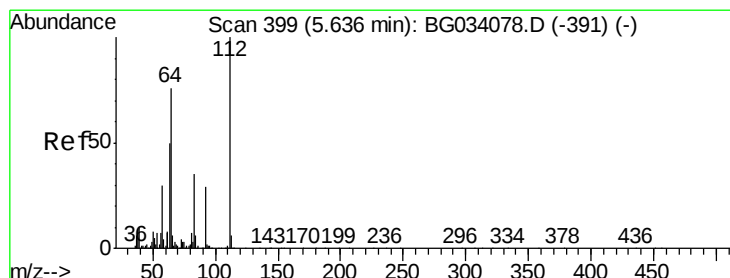
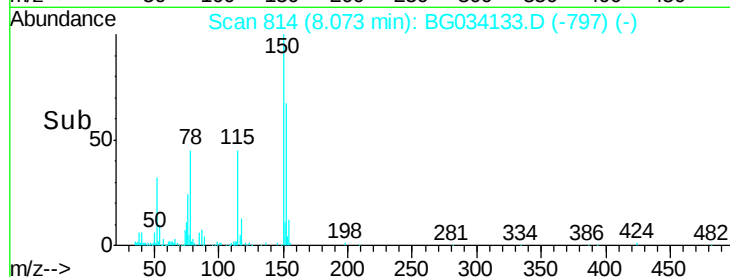
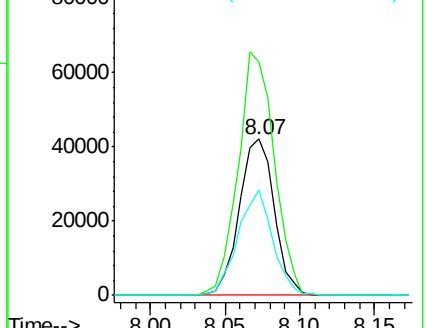
115 67.3 53.0 79.4



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: 137.30 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

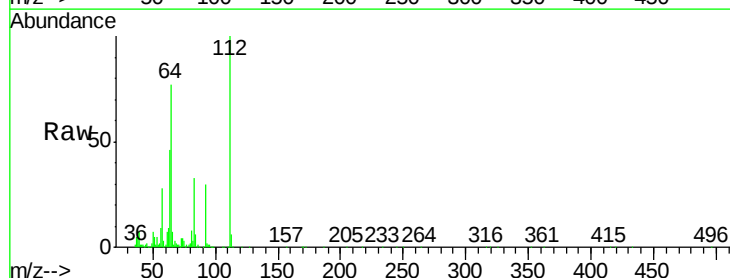
Tgt Ion:112 Resp: 580427

Ion Ratio Lower Upper

112 100

64 76.6 56.3 84.5

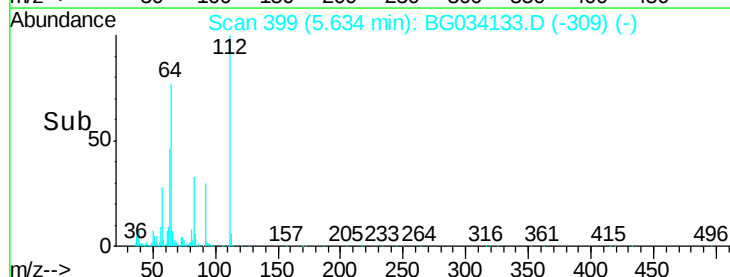
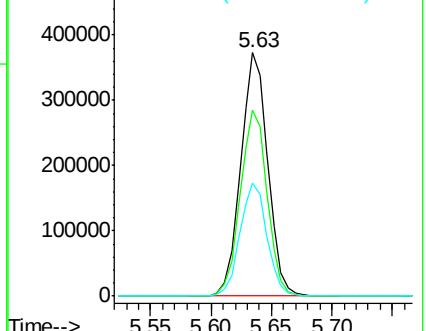
63 46.3 30.1 45.1#

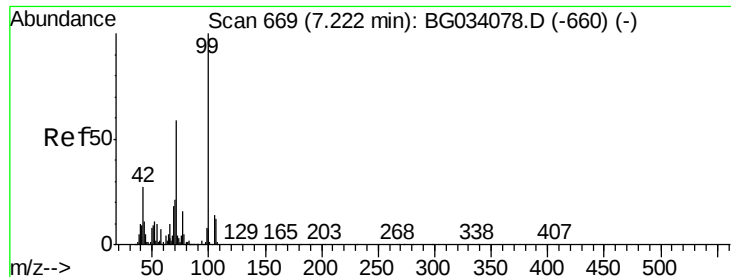


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.06 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampleId :

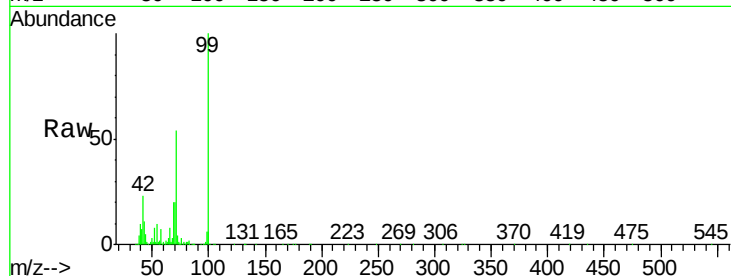
Tot Ion: 99 Resp: 783592

Ion Ratio Lower Upper

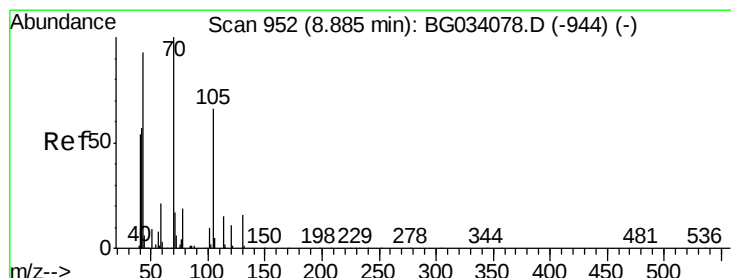
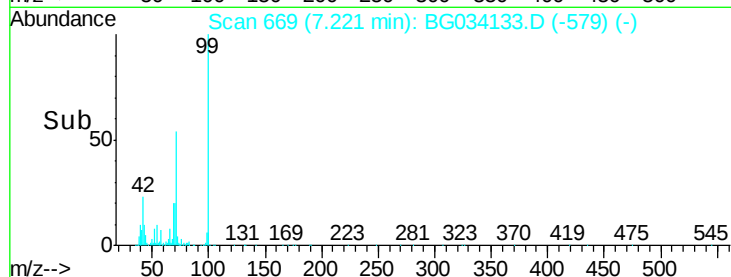
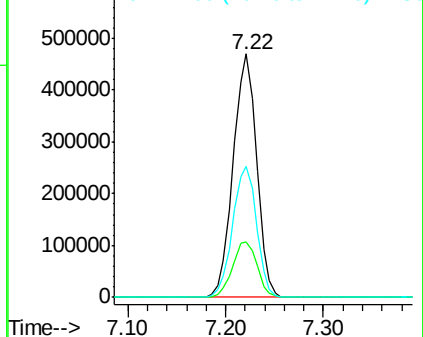
99 100

42 22.6 14.1 21.1#

71 54.0 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: 18.64 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Tgt Ion: 70 Resp: 110152

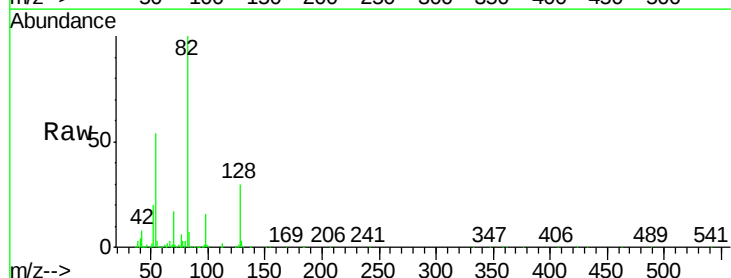
Ion Ratio Lower Upper

70 100

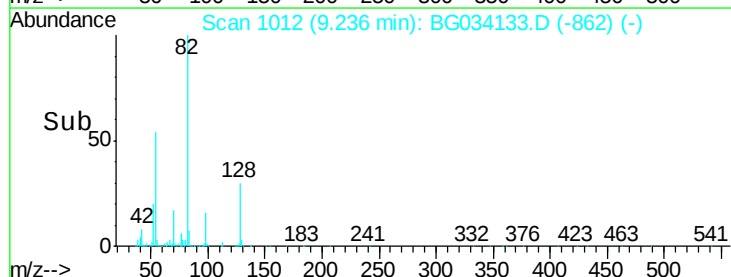
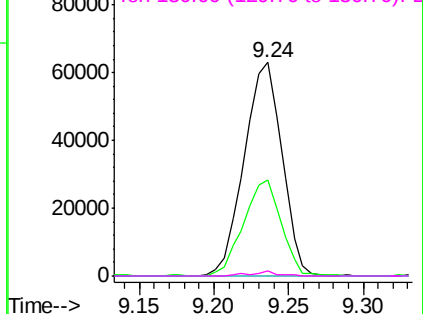
42 45.0 49.1 73.7#

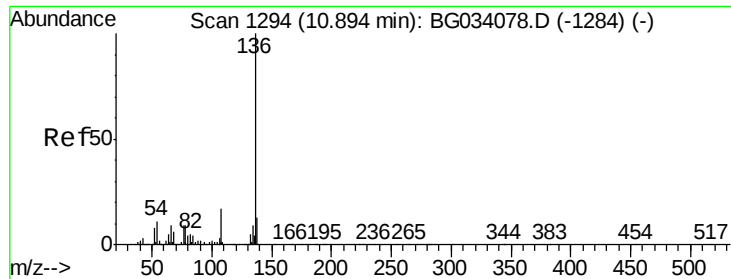
101 0.0 8.5 12.7#

130 2.2 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

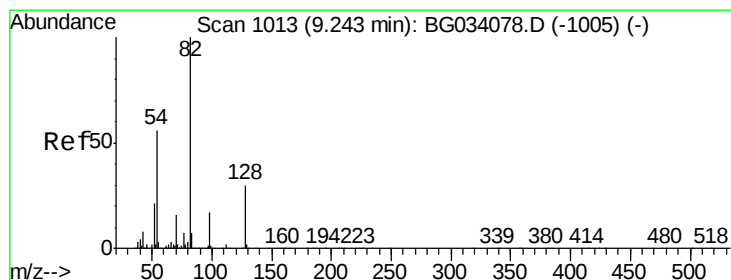
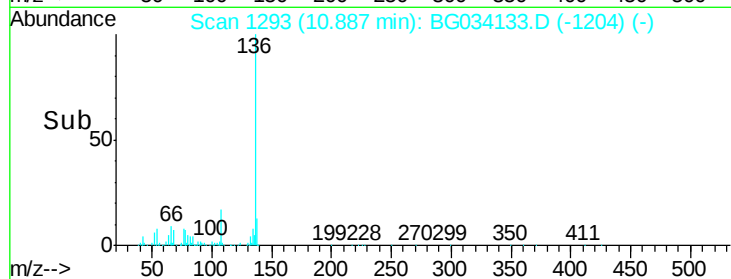
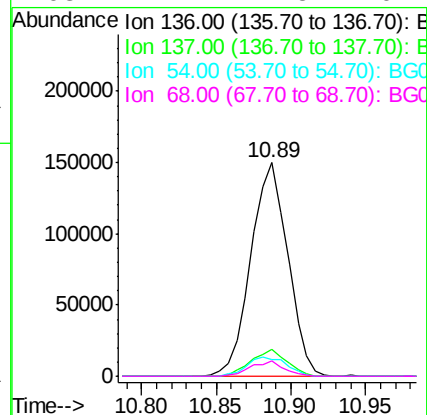
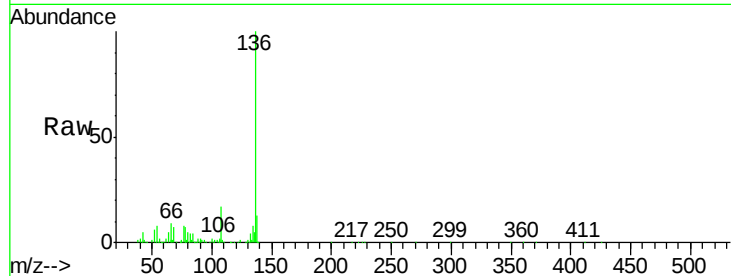




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034133.D
Acq: 3 May 2018 1:53

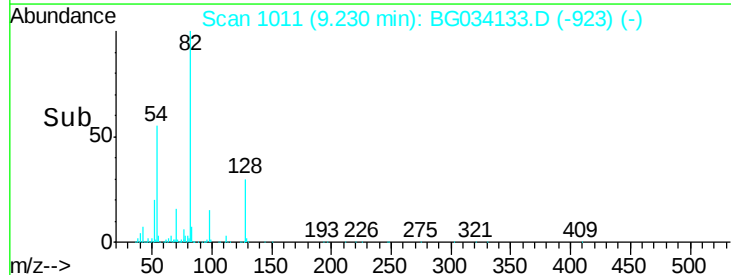
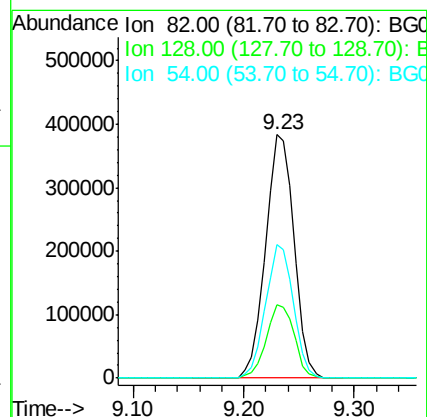
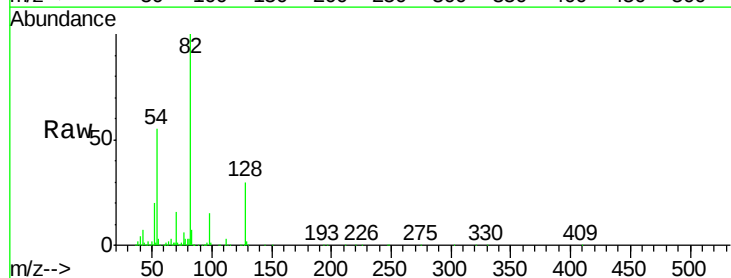
Instrument :
BNA_G
ClientSampleId :

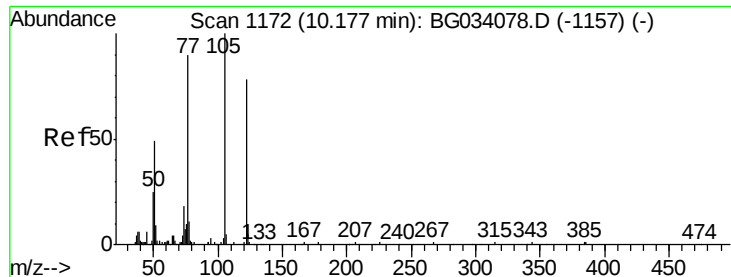
Tot Ion:136	Resp:	256116
Ion Ratio	Lower	Upper
136	100	
137	12.6	9.2 13.8
54	7.8	10.3 15.5#
68	7.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 104.03 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG034133.D
Acq: 3 May 2018 1:53

Tgt Ion: 82	Resp:	694451
Ion Ratio	Lower	Upper
82	100	
128	30.3	29.7 44.5
54	55.0	43.1 64.7





#32

Benzoic acid

Concen: 3.13 ng

RT: 10.14 min Scan# 1165

Delta R.T. -0.04 min

Lab File: BG034133.D

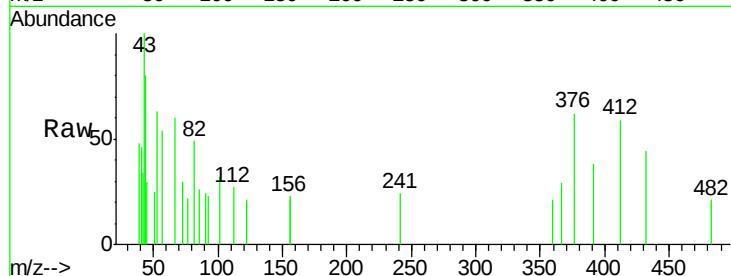
Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampleId :

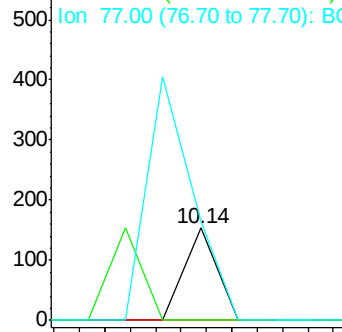
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5
77	106.5	85.7	125.7



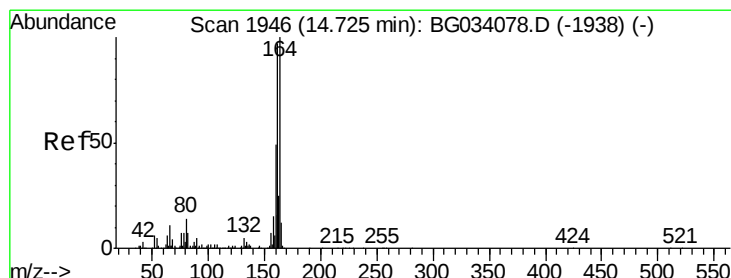
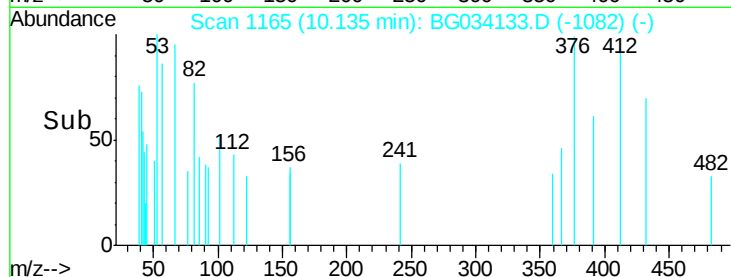
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

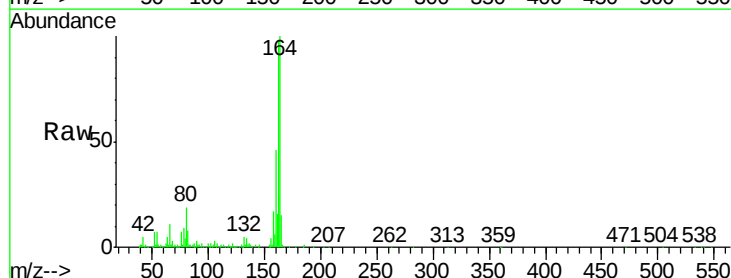
RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

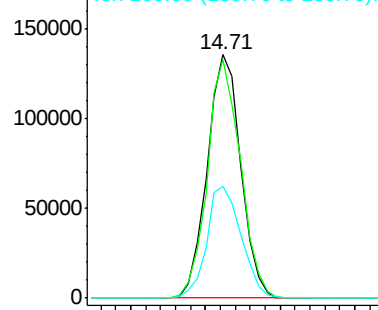
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.8	118.2
160	46.0	35.4	53.0



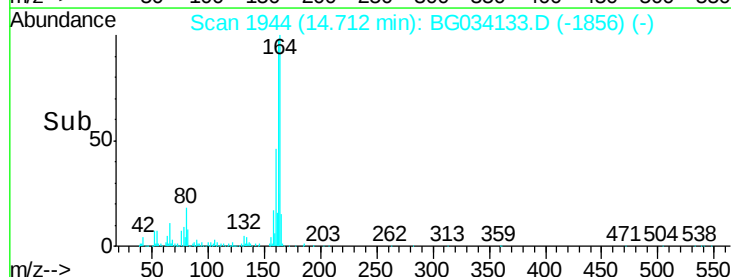
Abundance Ion 164.00 (163.70 to 164.70): E

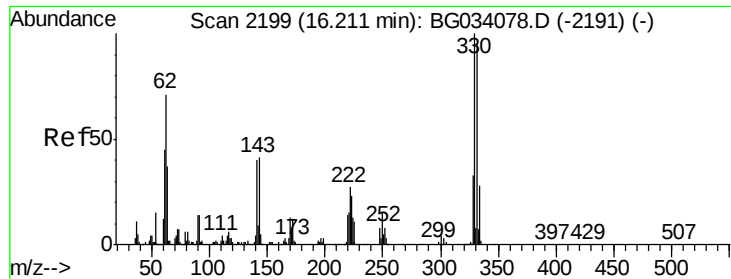
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

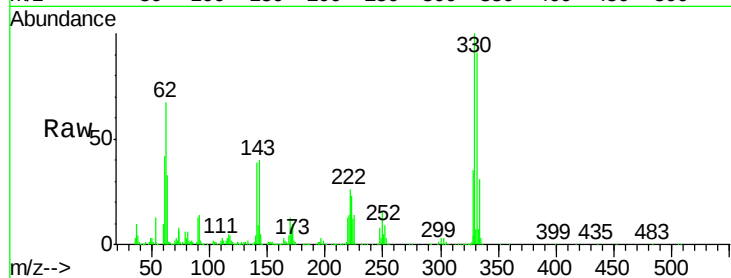




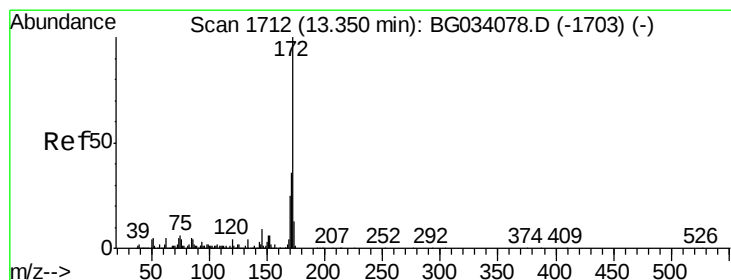
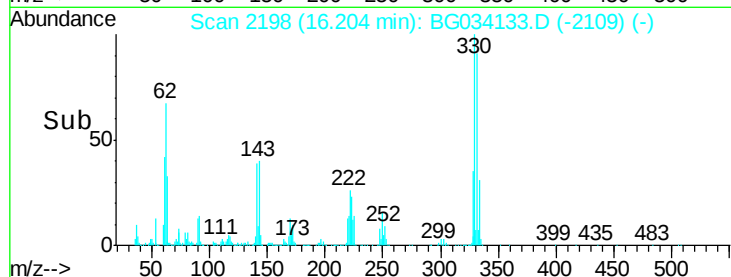
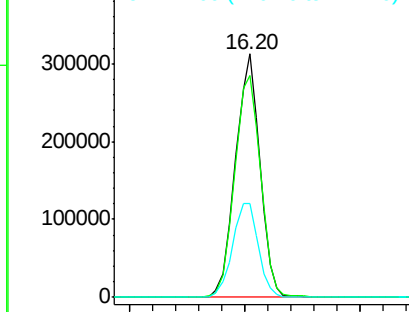
#41
 2,4,6-Tribromophenol
 Concen: 156.97 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034133.D
 Acq: 3 May 2018 1:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 459735
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 40.9 25.2 37.8#

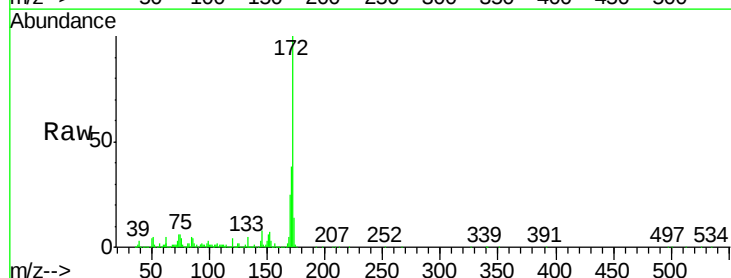


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

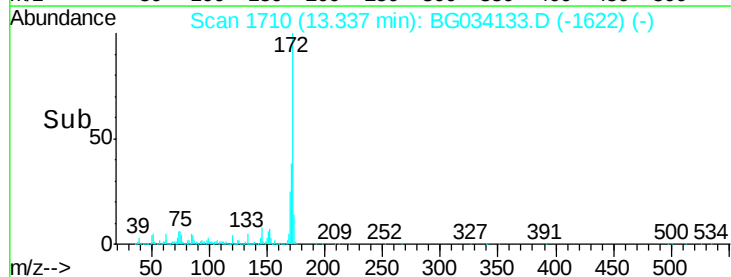
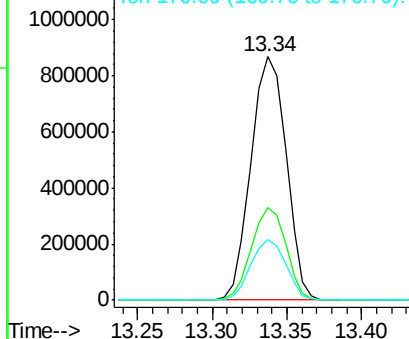


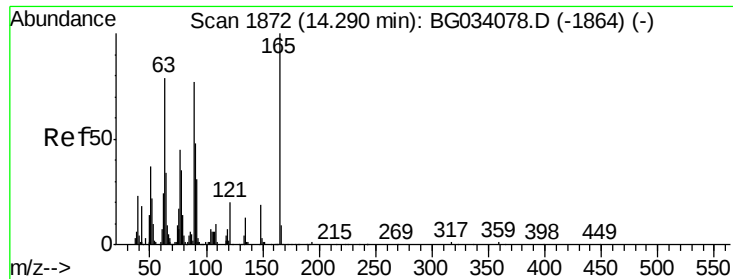
#44
 2-Fluorobiphenyl
 Concen: 97.72 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG034133.D
 Acq: 3 May 2018 1:53

Tgt Ion:172 Resp: 1418493
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 24.9 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: 7.77 ng

RT: 14.71 min Scan# 1944

Delta R.T. 0.42 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampled :

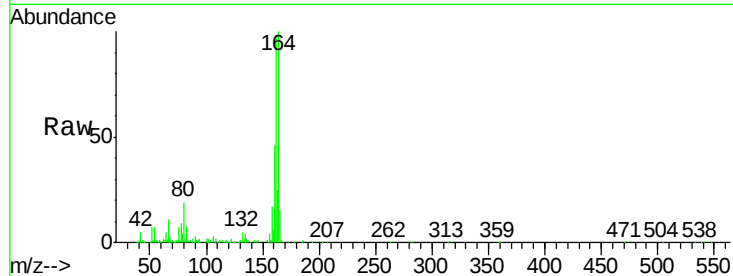
Tot Ion:165 Resp: 27364

Ion Ratio Lower Upper

165 100

63 3.5 52.7 79.1#

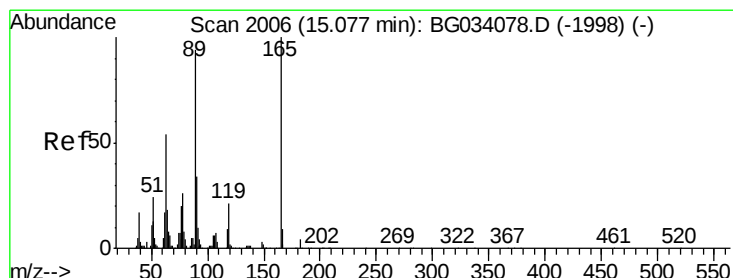
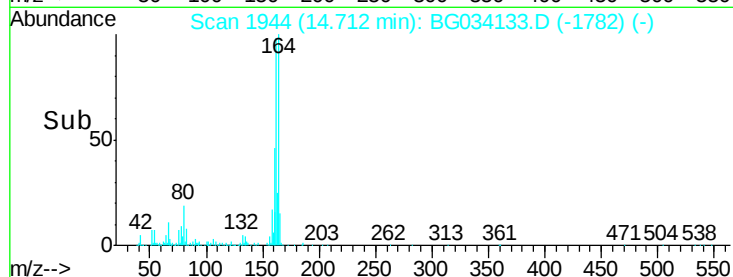
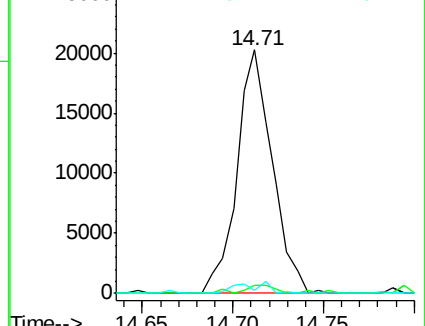
89 1.2 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.72 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.37 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Tgt Ion:165 Resp: 27364

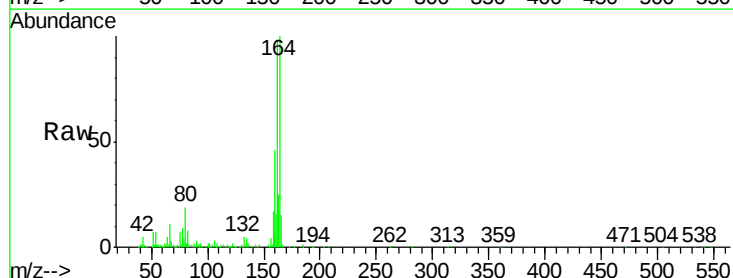
Ion Ratio Lower Upper

165 100

63 3.5 42.0 63.0#

89 1.2 66.9 100.3#

182 0.0 2.6 3.8#

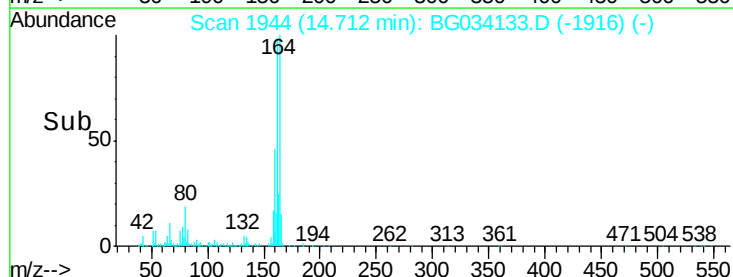
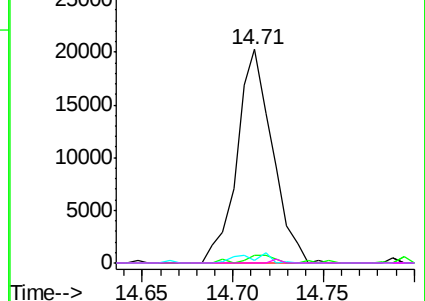


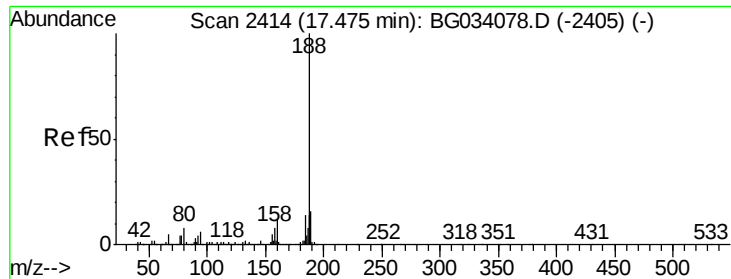
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampleId :

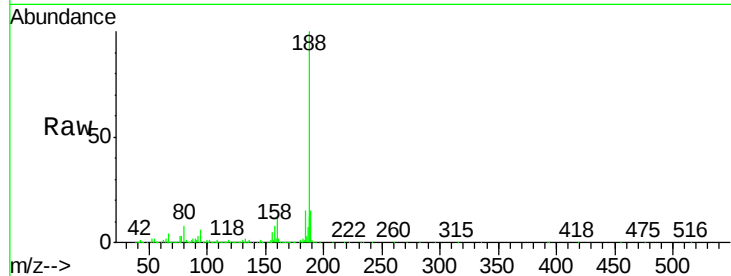
Tot Ion:188 Resp: 578399

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

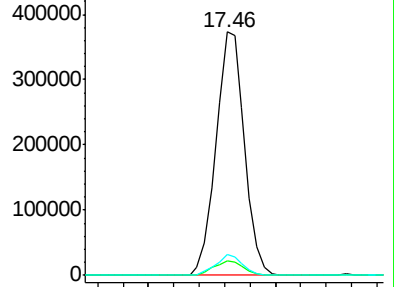
80 8.4 7.7 11.5



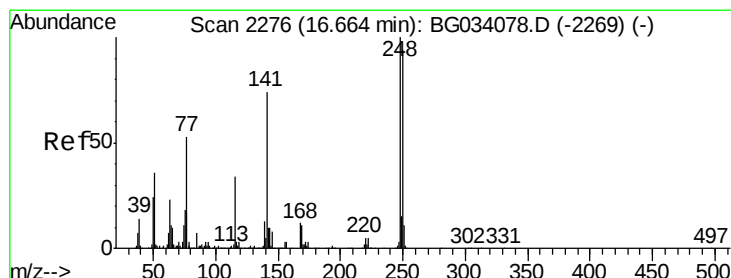
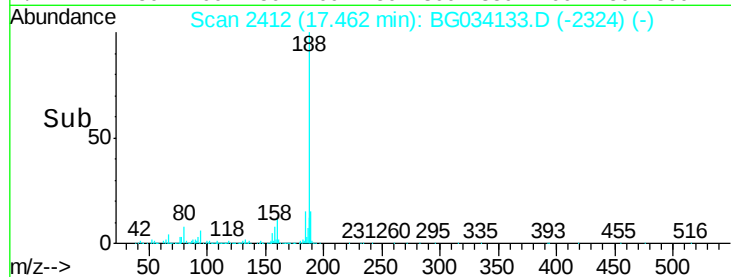
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.71 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.47 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

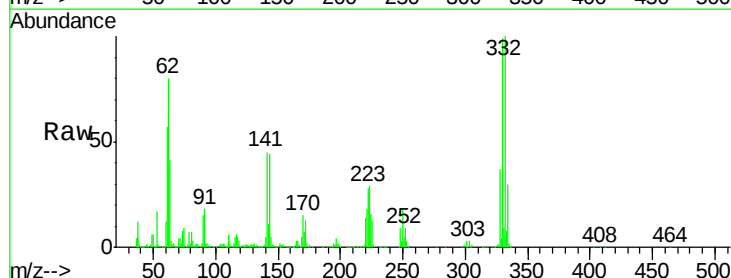
Tgt Ion:248 Resp: 41015

Ion Ratio Lower Upper

248 100

250 192.9 77.1 115.7#

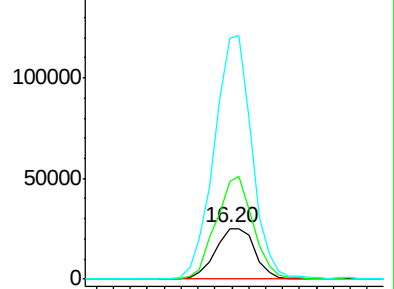
141 475.8 50.8 76.2#



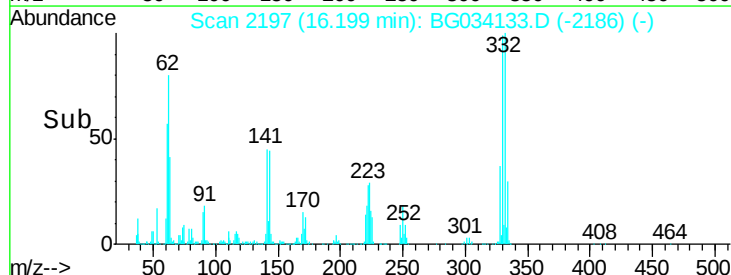
Abundance Ion 248.00 (247.70 to 248.70): E

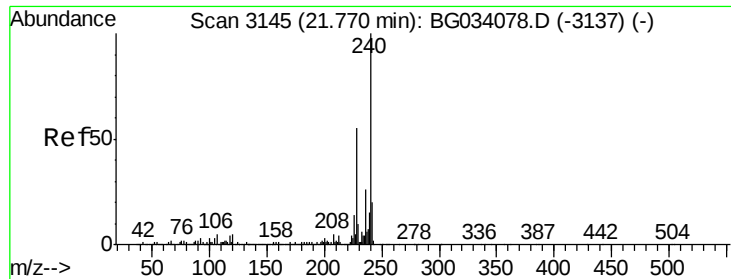
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampleId :

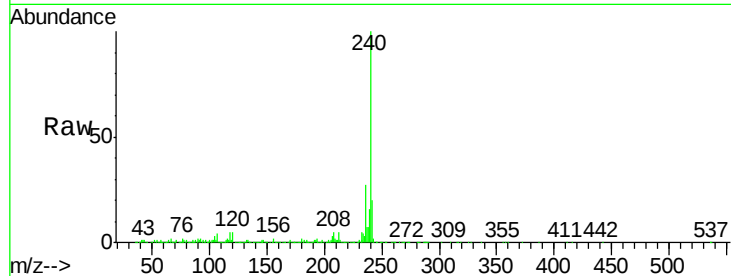
Tot Ion:240 Resp: 664447

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

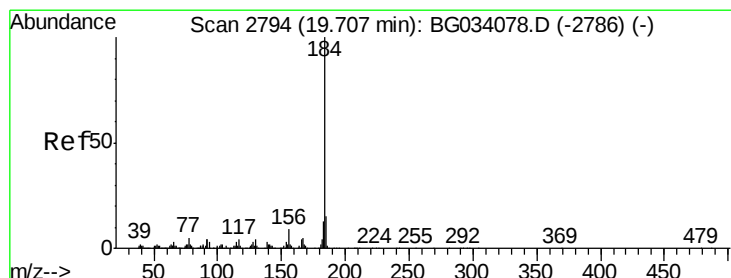
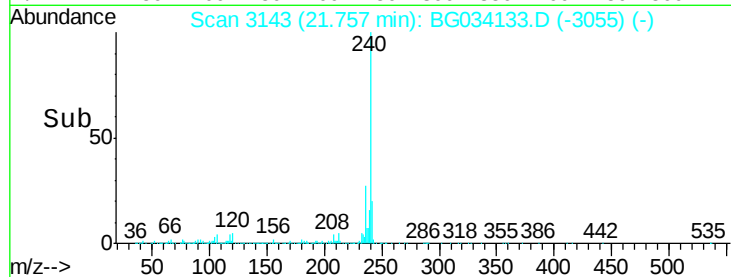
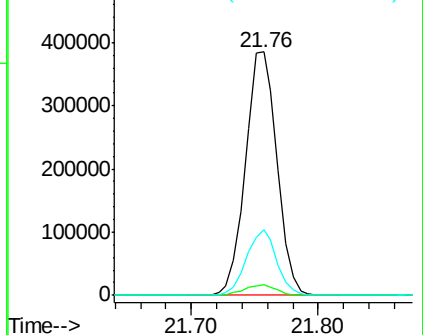
236 27.1 20.9 31.3



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: 12.61 ng

RT: 19.69 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

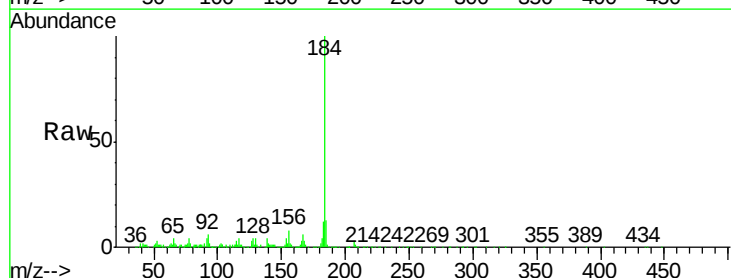
Tgt Ion:184 Resp: 215778

Ion Ratio Lower Upper

184 100

185 13.4 11.1 16.7

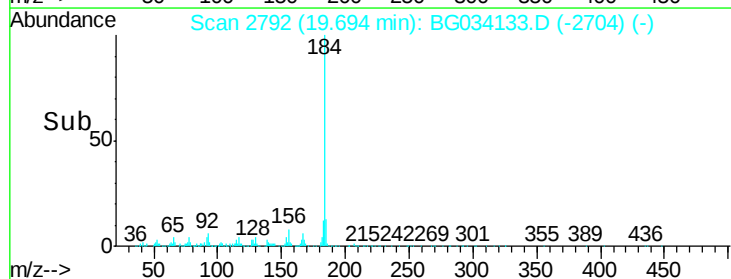
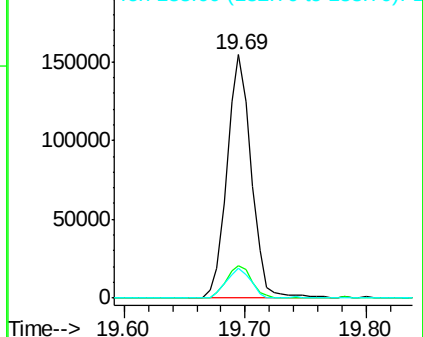
183 12.2 10.6 16.0

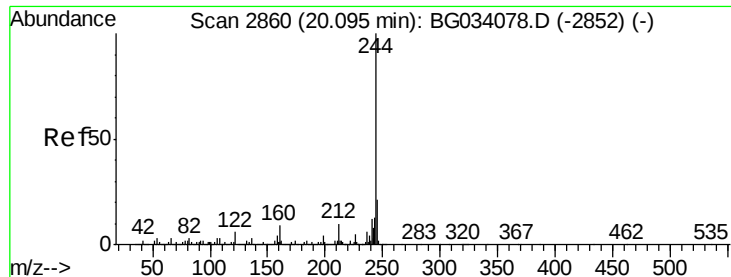


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.10 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

Instrument :

BNA_G

ClientSampled :

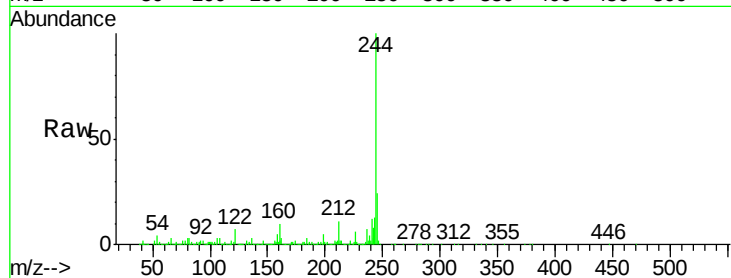
Tot Ion:244 Resp: 2732719

Ion Ratio Lower Upper

244 100

212 10.9 5.8 8.8#

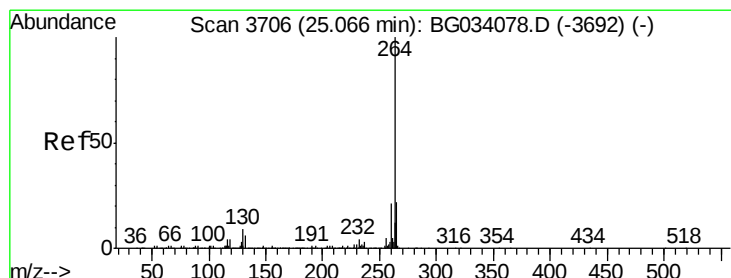
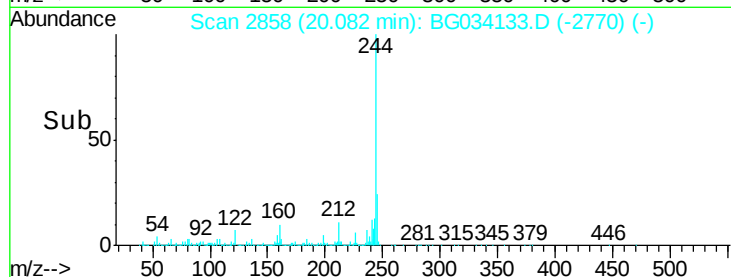
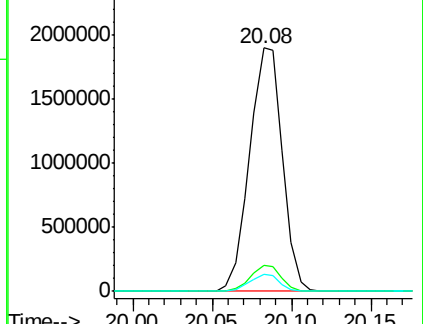
122 7.0 7.0 10.4



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# 3702

Delta R.T. -0.02 min

Lab File: BG034133.D

Acq: 3 May 2018 1:53

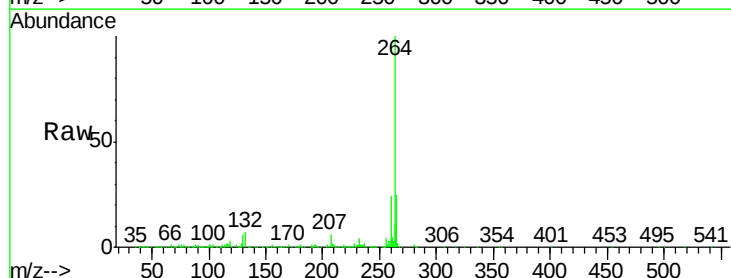
Tgt Ion:264 Resp: 698972

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 25.3 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

