

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034977.D
 Acq On : 8 Jun 2018 7:48
 Operator : SJ/JU
 Sample : J3326-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 12:26:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 07 13:13:20 2018
 Response via : Initial Calibration

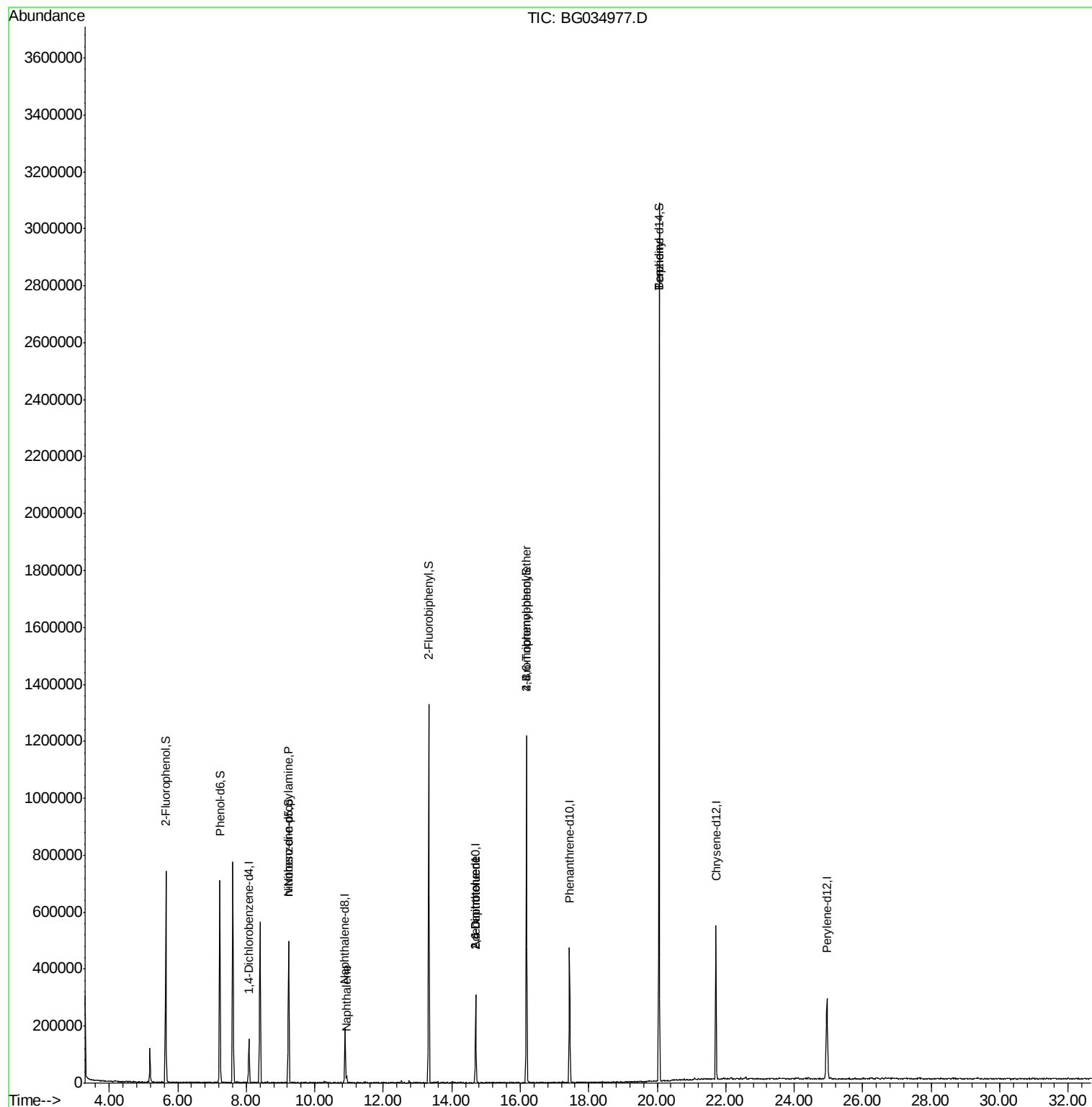
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42082	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	153511	20.00	ng	-0.01
38) Acenaphthene-d10	14.70	164	107089	20.00	ng	-0.01
63) Phenanthrene-d10	17.44	188	288196	20.00	ng	-0.01
75) Chrysene-d12	21.71	240	330333	20.00	ng	-0.02
86) Perylene-d12	24.95	264	317690	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	302666	121.38	ng	0.00
7) Phenol-d6	7.23	99	402463	109.35	ng	0.00
23) Nitrobenzene-d5	9.24	82	320508	99.24	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	206691	150.77	ng	-0.01
44) 2-Fluorobiphenyl	13.33	172	695731	84.46	ng	-0.01
78) Terphenyl-d14	20.05	244	1409425	89.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	46277	14.800	ng	# 68
31) Naphthalene	10.93	128	19146	2.401	ng	# 98
50) 2,6-Dinitrotoluene	14.70	165	14781	8.676	ng	# 18
56) 2,4-Dinitrotoluene	14.70	165	14781	6.531	ng	# 16
66) 4-Bromophenyl-phenylether	16.18	248	16313	4.700	ng	# 1
76) Benzidine	20.05	184	27461	2.234	ng	# 89

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

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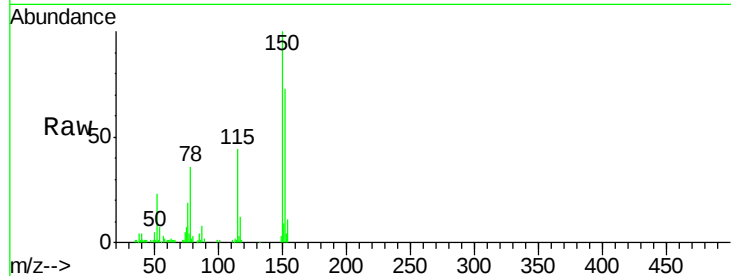


#1

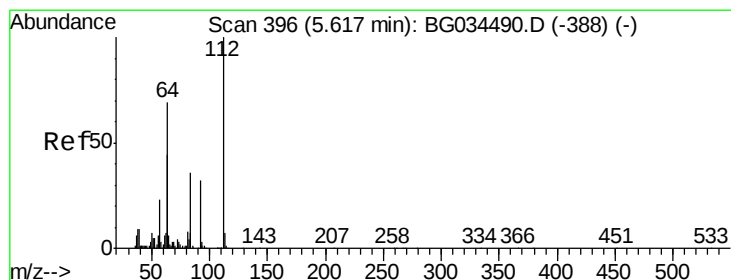
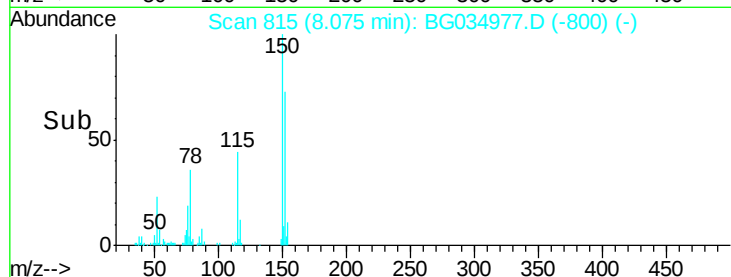
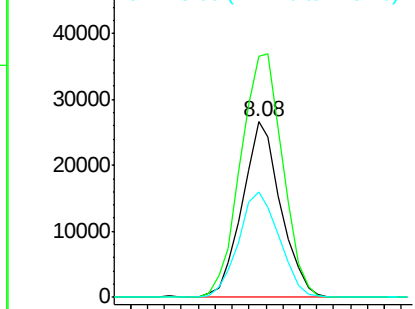
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42082
Ion Ratio Lower Upper
152 100
150 137.8 126.6 189.8
115 60.4 53.0 79.4



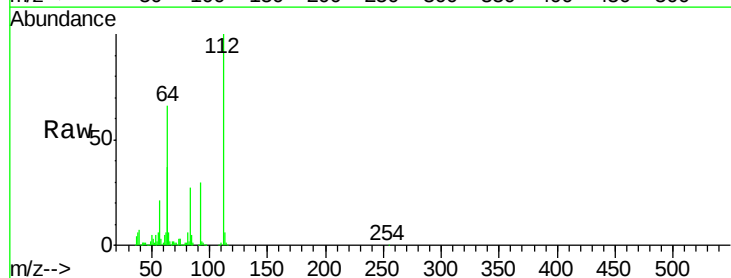
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



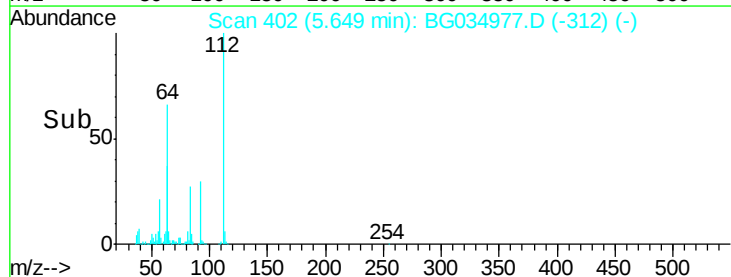
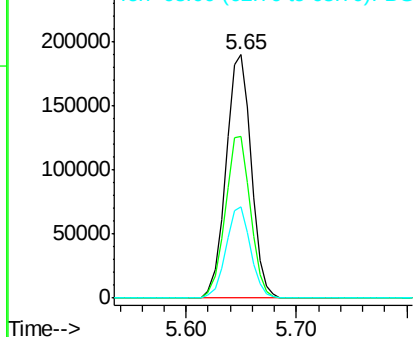
#5

2-Fluorophenol
Concen: 121.378 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Tgt Ion:112 Resp: 302666
Ion Ratio Lower Upper
112 100
64 66.3 56.3 84.5
63 37.3 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: 109.353 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

Instrument :

BNA_G

ClientSampleId :

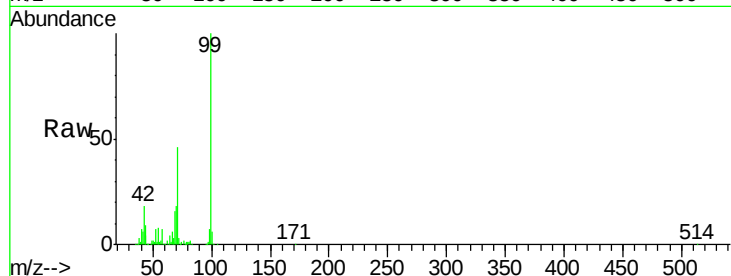
Tot Ion: 99 Resp: 402463

Ion Ratio Lower Upper

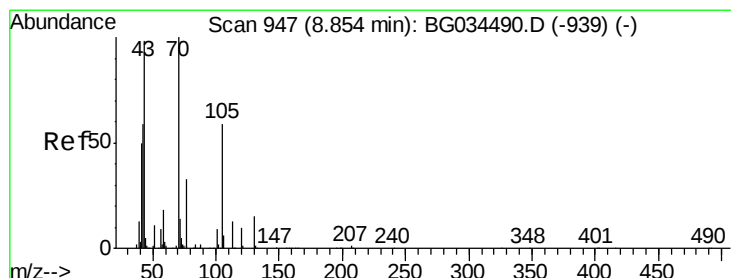
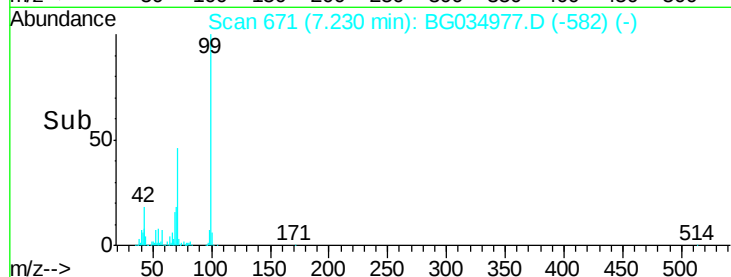
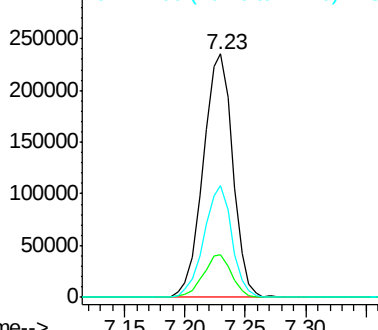
99 100

42 17.6 14.1 21.1

71 46.0 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: 14.800 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

Tgt Ion: 70 Resp: 46277

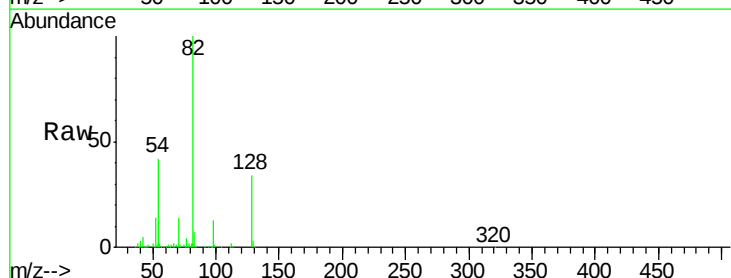
Ion Ratio Lower Upper

70 100

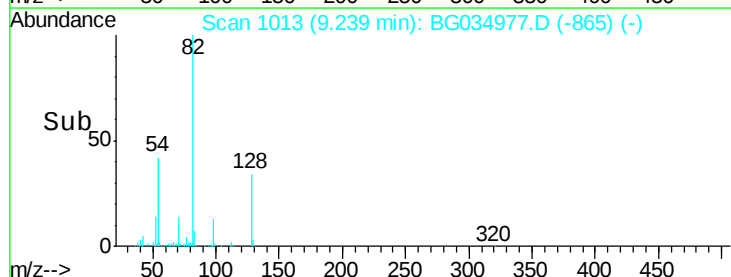
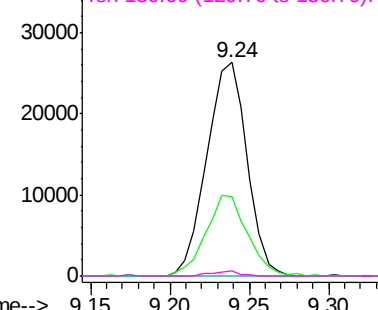
42 37.2 49.1 73.7#

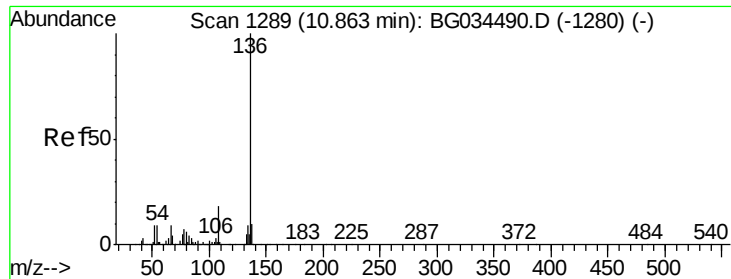
101 0.0 8.5 12.7#

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

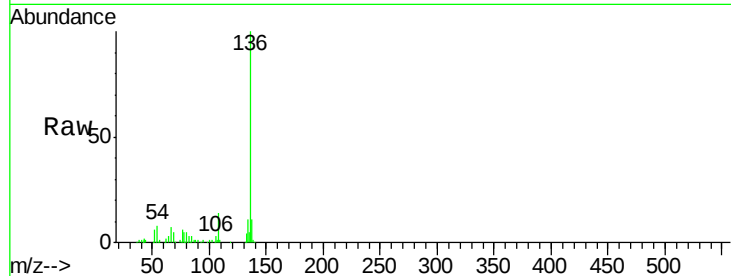




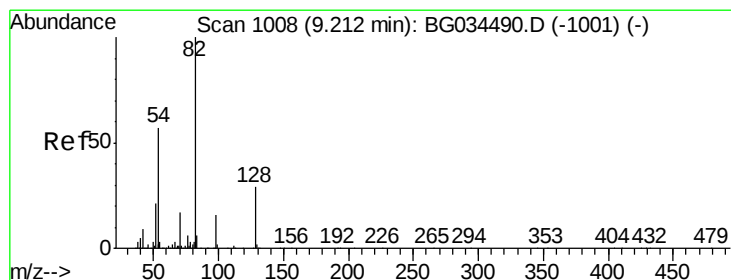
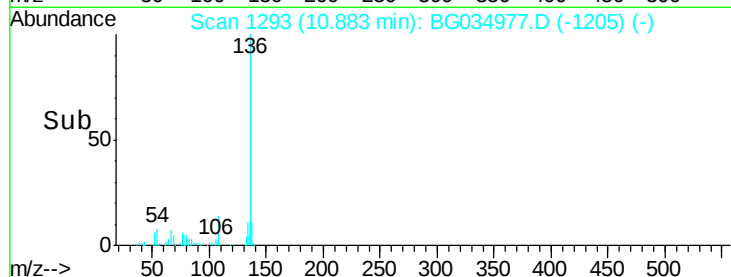
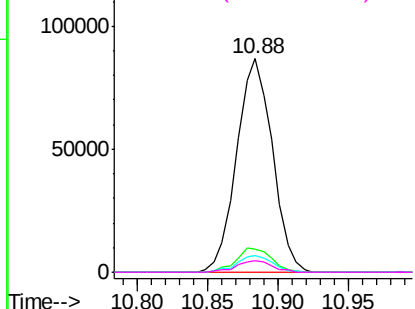
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	153511
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	7.7	10.3 15.5#
68	5.3	4.5 6.7

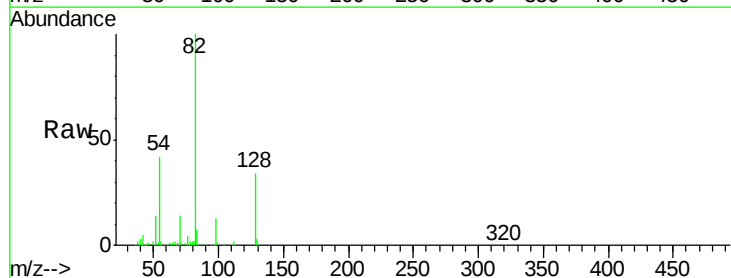


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

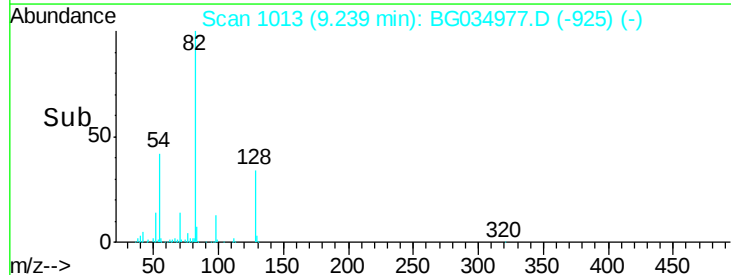
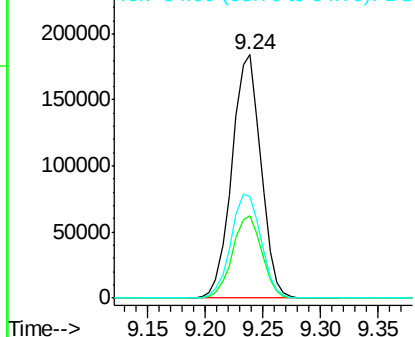


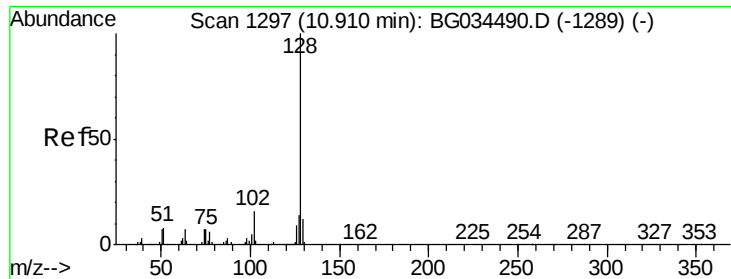
#23
Nitrobenzene-d5
Concen: 99.245 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Tgt Ion: 82	Resp:	320508
Ion Ratio	Lower	Upper
82	100	
128	33.8	29.7 44.5
54	41.6	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

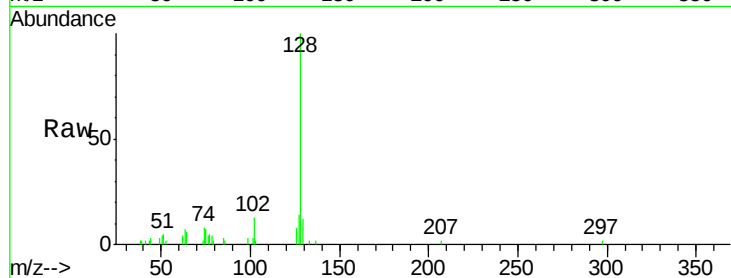




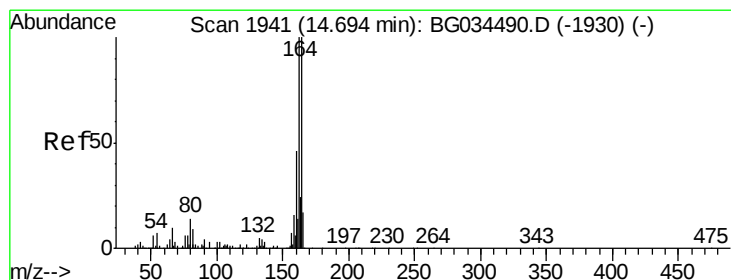
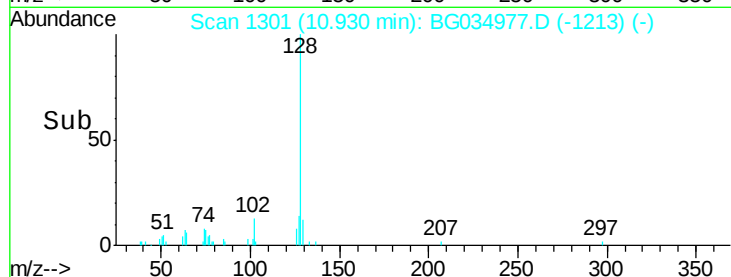
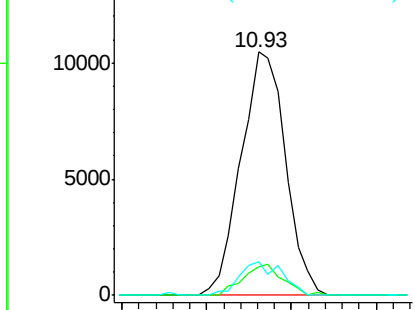
#31
Naphthalene
Concen: 2.401 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	12.8
127	14.0	11.6	17.4

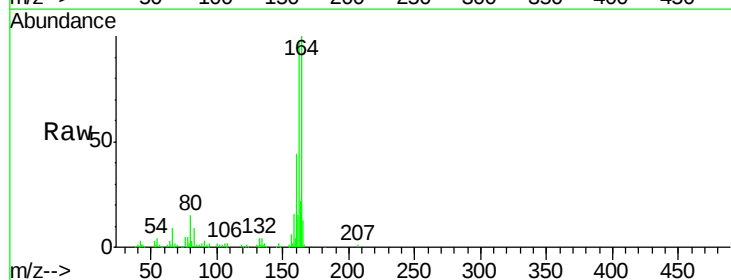


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

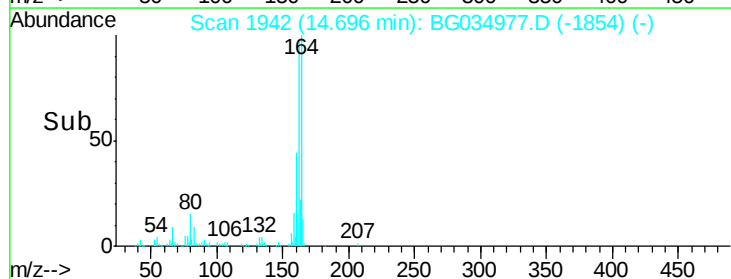
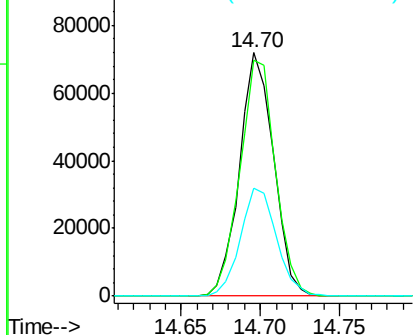


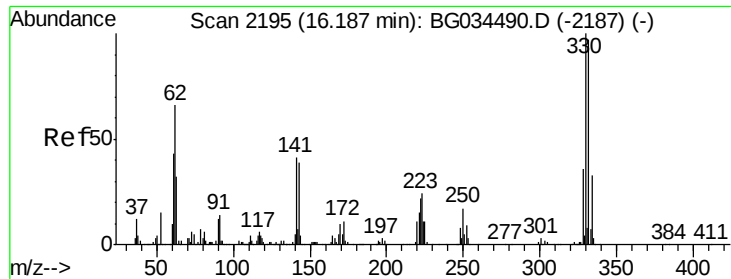
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.0	78.8	118.2
160	44.1	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

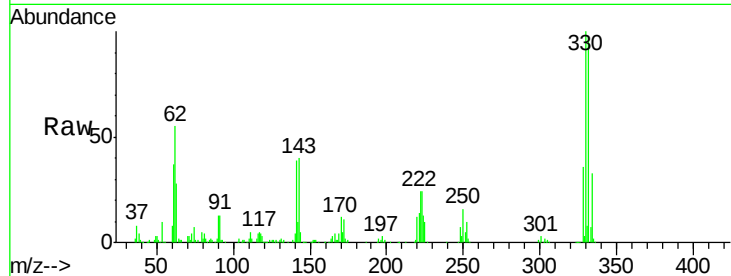




#41
 2,4,6-Tribromophenol
 Concen: 150.773 ng
 RT: 16.18 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BG034977.D
 Acq: 8 Jun 2018 7:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	39.9	25.2	37.8#

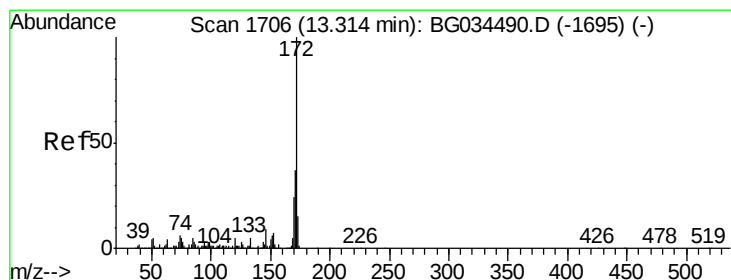
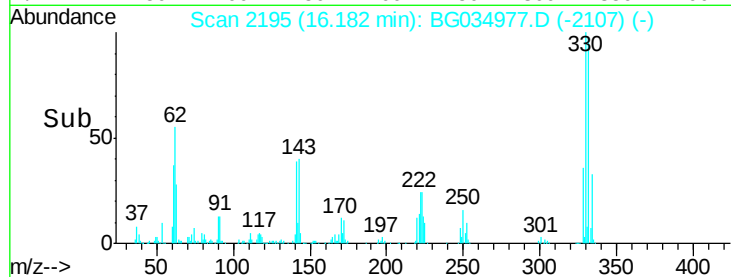
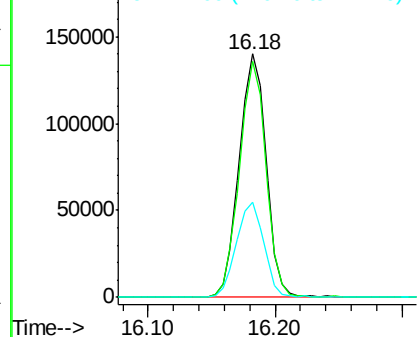


Abundance

Ion 329.80 (329.50 to 330.50): E

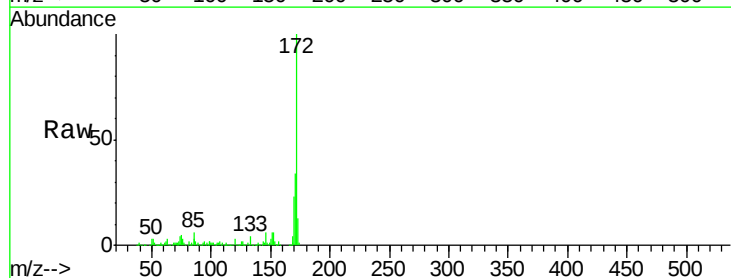
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 84.458 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG034977.D
 Acq: 8 Jun 2018 7:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	23.1	19.5	29.3

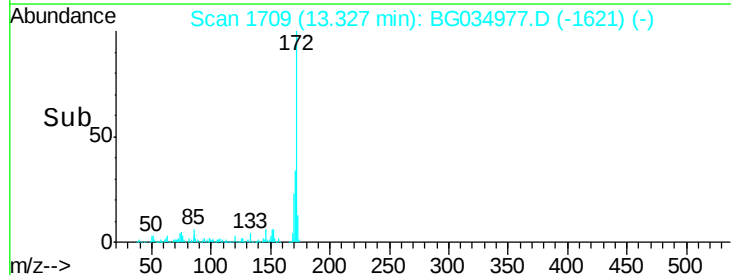
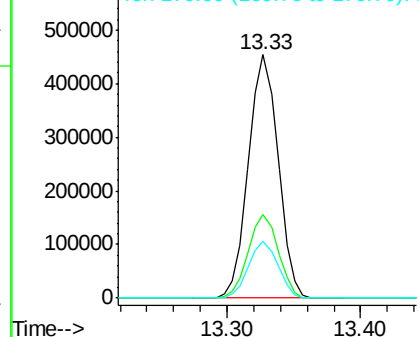


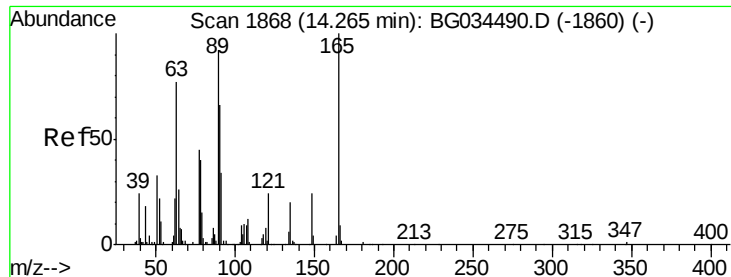
Abundance

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

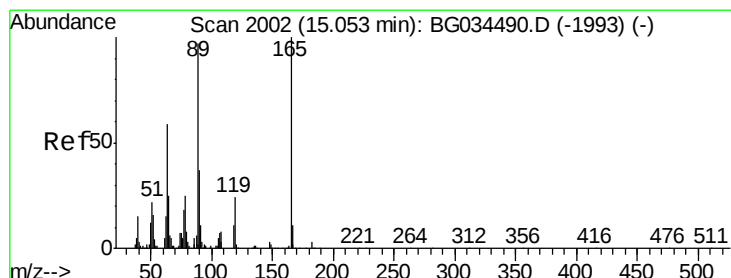
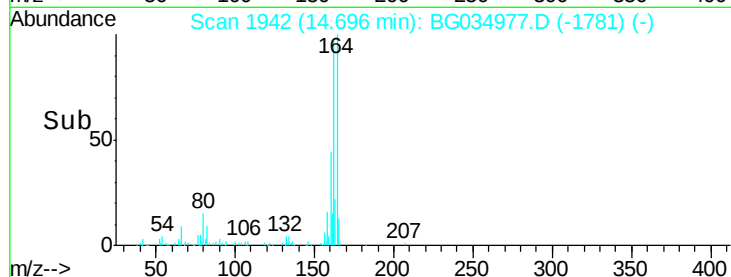
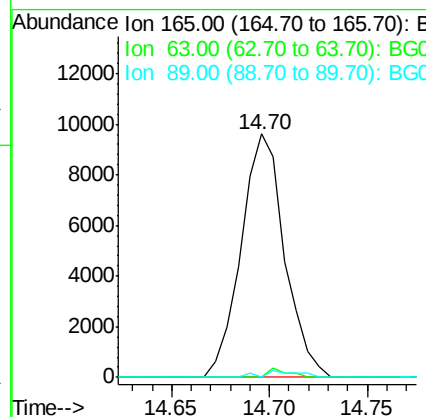
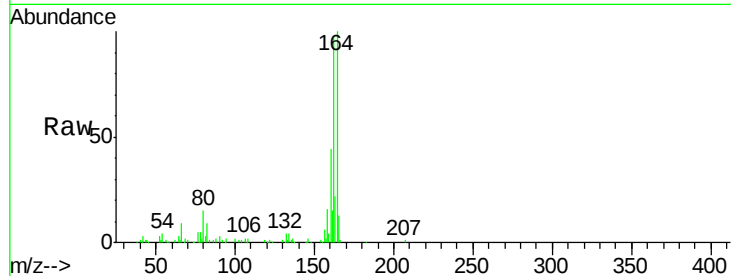




#50
2,6-Dinitrotoluene
Concen: 8.676 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.42 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

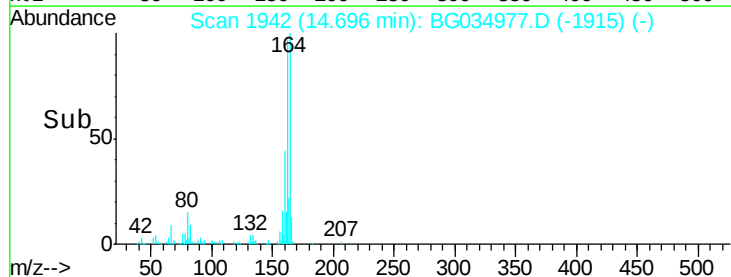
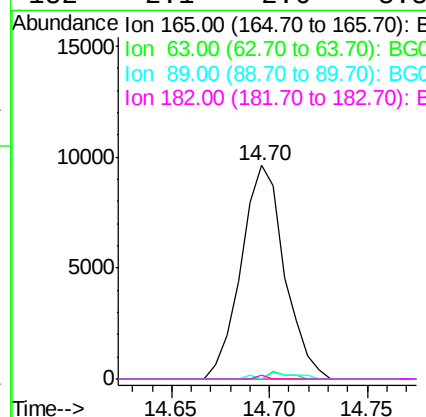
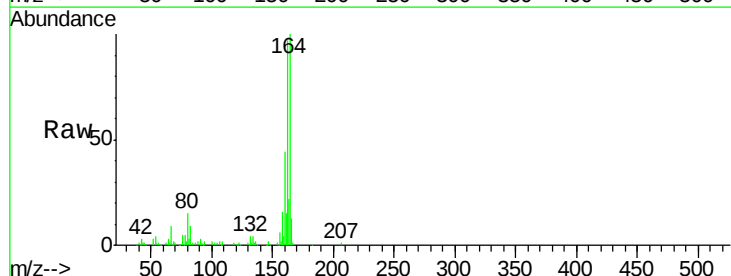
Instrument :
BNA_G
ClientSampleId :

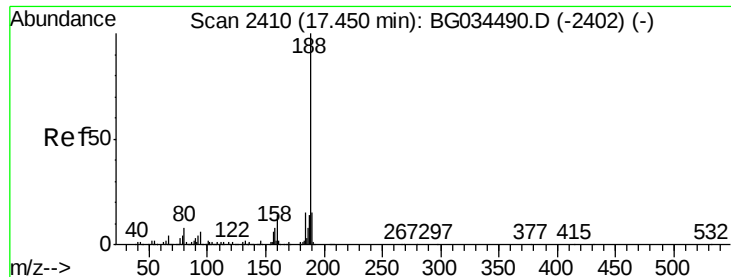
Tot Ion:165 Resp: 14781
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.531 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.37 min
Lab File: BG034977.D
Acq: 8 Jun 2018 7:48

Tgt Ion:165 Resp: 14781
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 2.1 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

Instrument :

BNA_G

ClientSampleId :

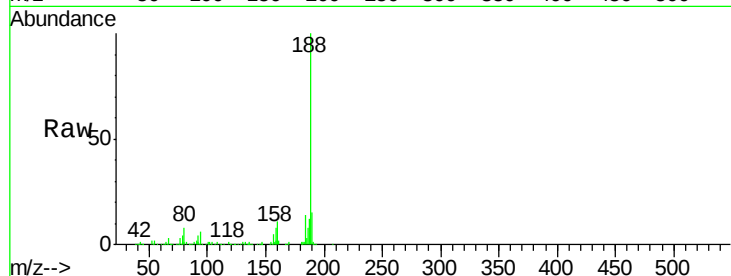
Tot Ion:188 Resp: 288196

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

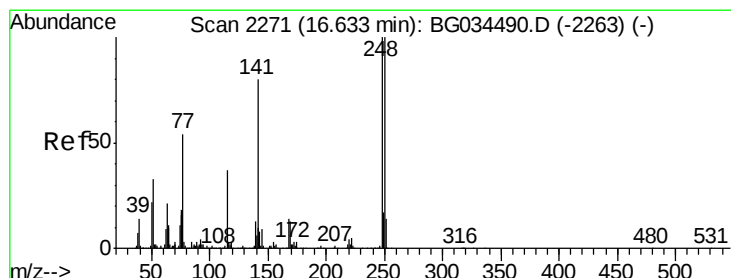
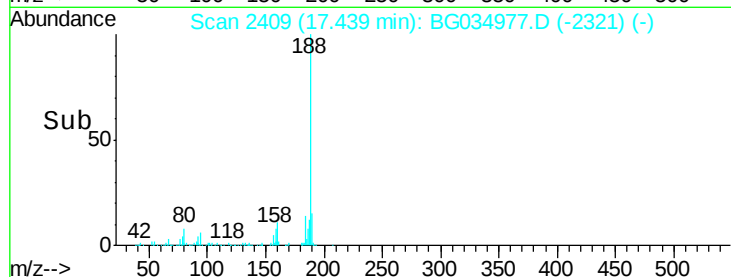
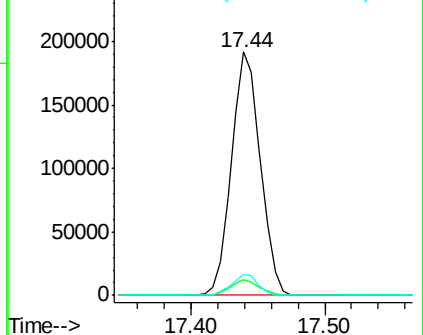
80 8.4 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 4.700 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.46 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

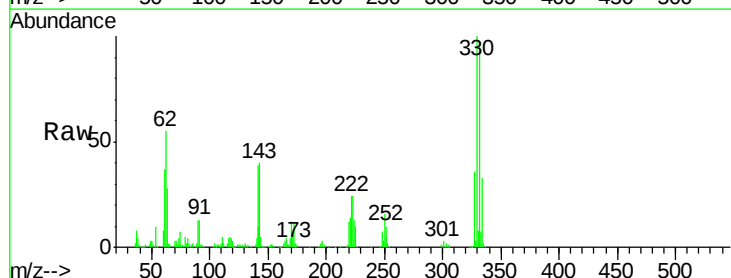
Tgt Ion:248 Resp: 16313

Ion Ratio Lower Upper

248 100

250 226.4 77.1 115.7#

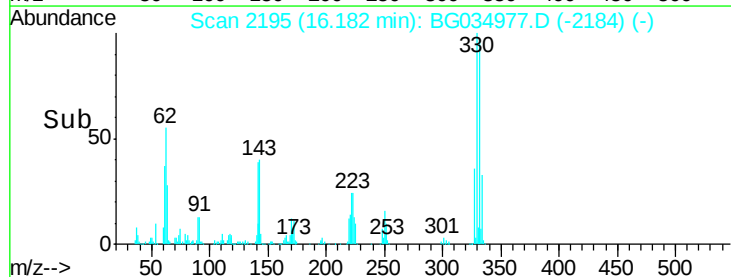
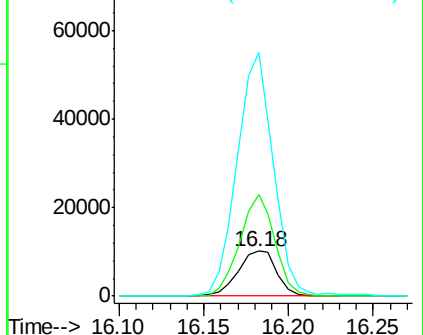
141 544.0 50.8 76.2#

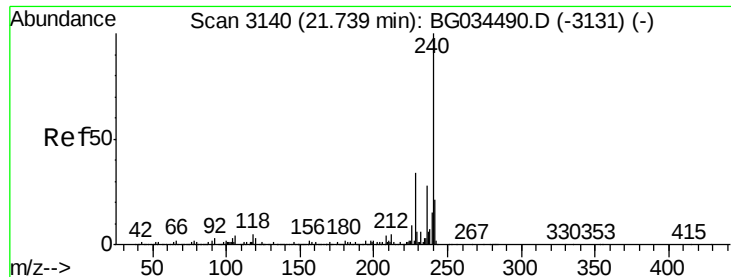


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.71 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

Instrument :

BNA_G

ClientSampled :

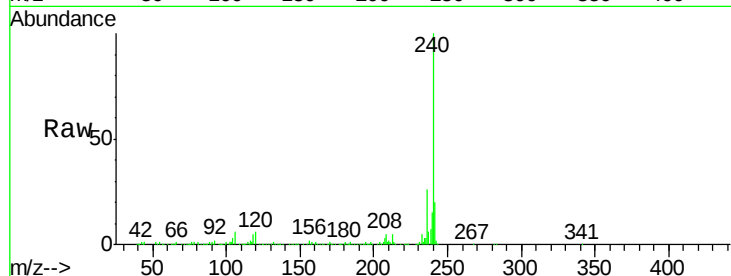
Tot Ion:240 Resp: 330333

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

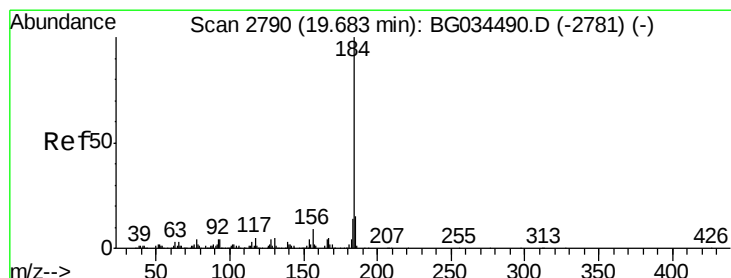
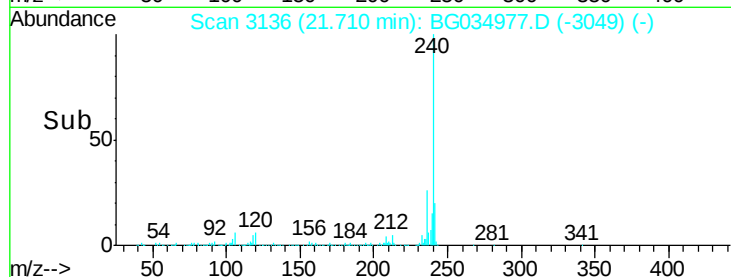
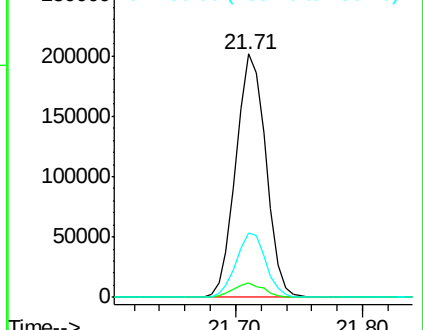
236 26.4 20.9 31.3



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: 2.234 ng

RT: 20.05 min Scan# 2854

Delta R.T. 0.38 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

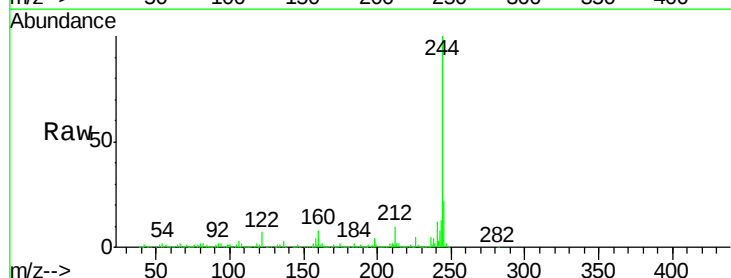
Tgt Ion:184 Resp: 27461

Ion Ratio Lower Upper

184 100

185 18.1 11.1 16.7#

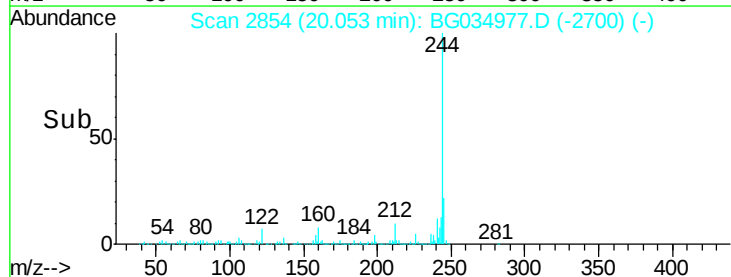
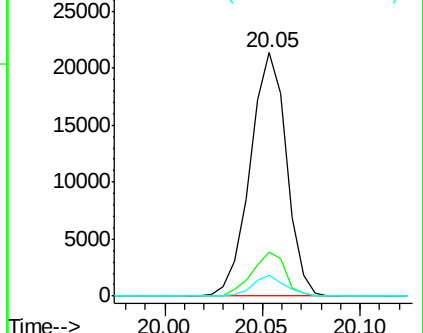
183 8.5 10.6 16.0#

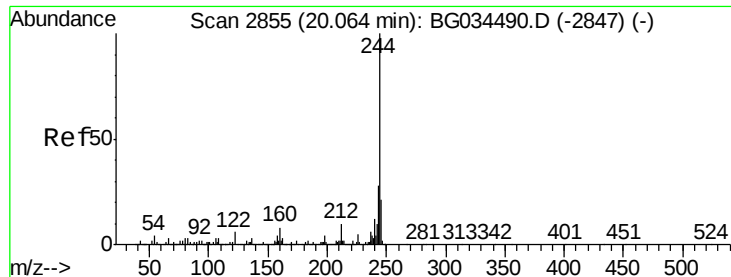


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.373 ng

RT: 20.05 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

Instrument :

BNA_G

ClientSampleId :

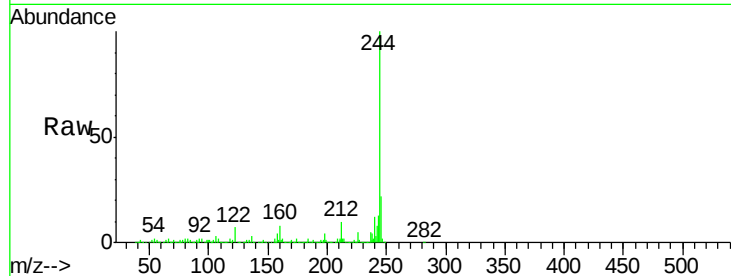
Tot Ion:244 Resp: 1409425

Ion Ratio Lower Upper

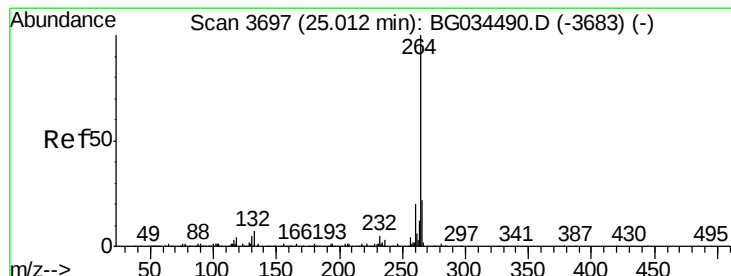
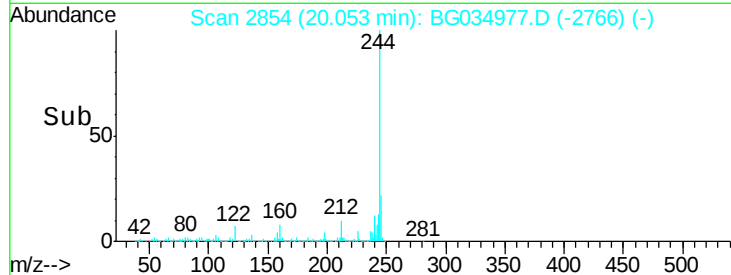
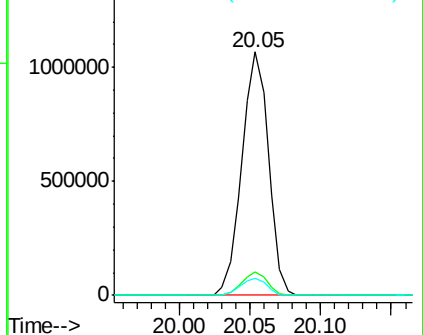
244 100

212 9.5 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: 24.95 min Scan# 3688

Delta R.T. -0.03 min

Lab File: BG034977.D

Acq: 8 Jun 2018 7:48

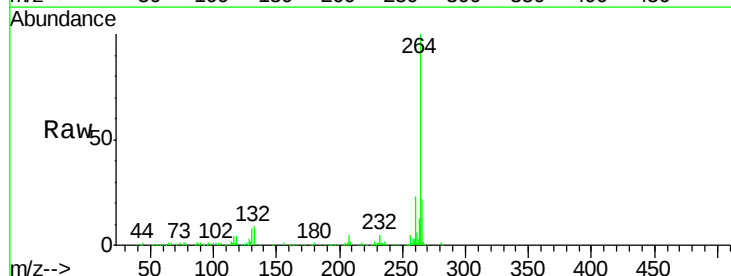
Tgt Ion:264 Resp: 317690

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 22.4 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

