

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035197.D
 Acq On : 16 Jun 2018 7:58
 Operator : SJ/JU
 Sample : J3239-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

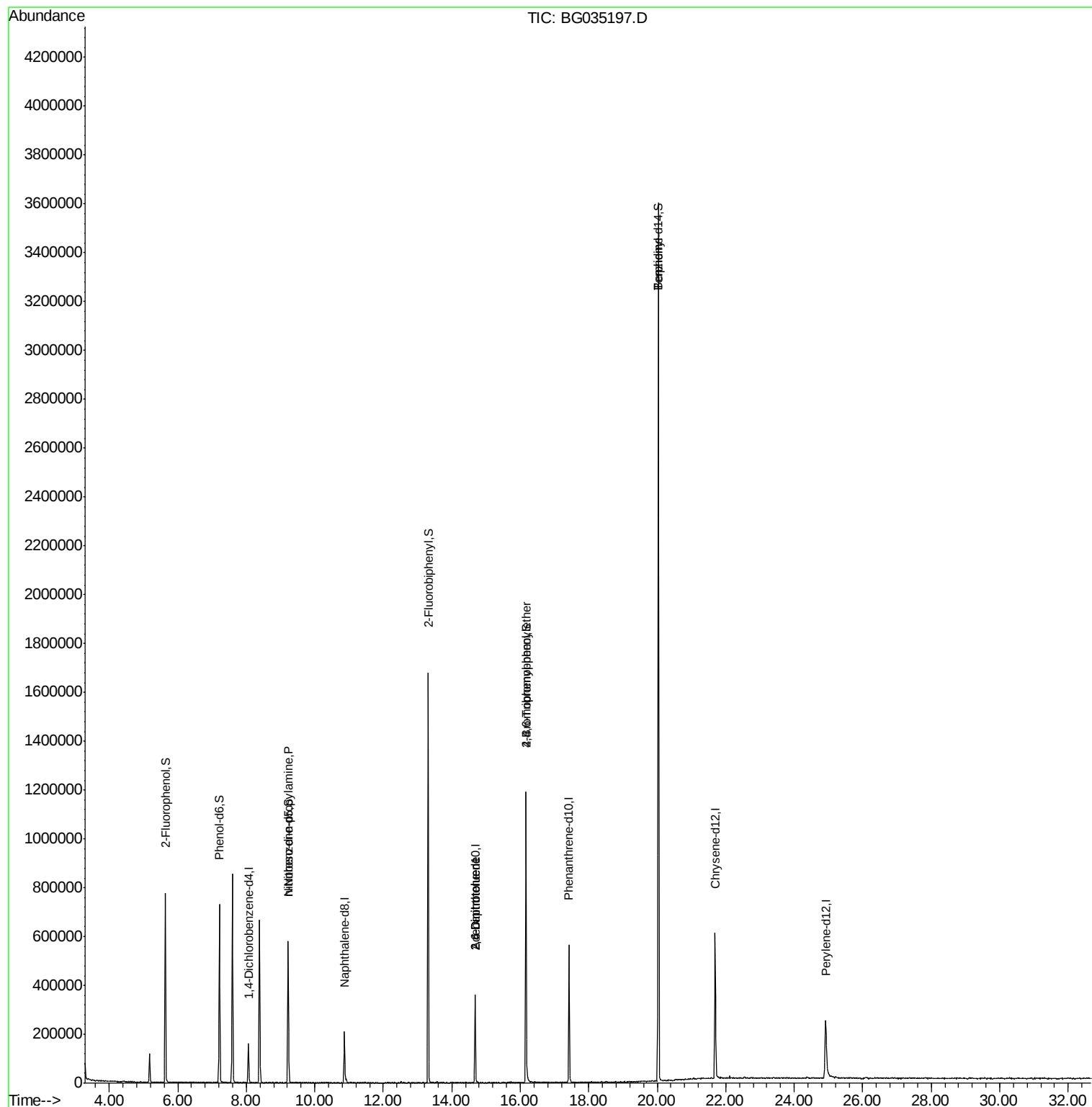
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	45564	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	172685	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	124792	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	363100	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	391352	20.00	ng	-0.02
86) Perylene-d12	24.92	264	322577	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	334622	123.94	ng	0.00
7) Phenol-d6	7.22	99	438268	109.98	ng	0.00
23) Nitrobenzene-d5	9.22	82	381625	105.05	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	232262	145.39	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	886967	92.40	ng	-0.02
78) Terphenyl-d14	20.04	244	1736175	92.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50667	14.966	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	17667	8.899	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	17667	6.699	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	18616	4.257	ng	# 1
76) Benzidine	20.04	184	30469	2.093	ng	# 91

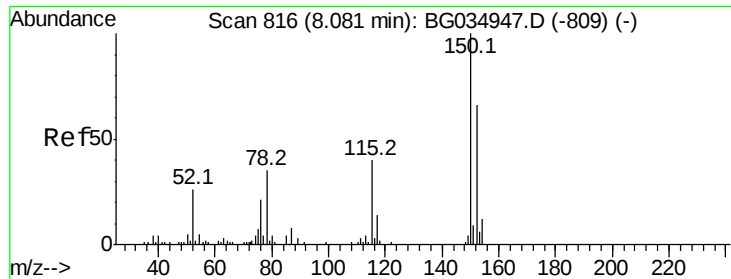
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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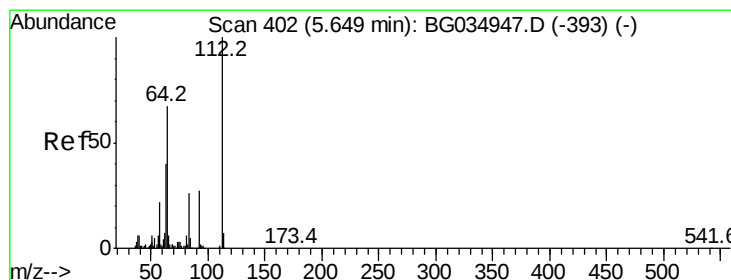
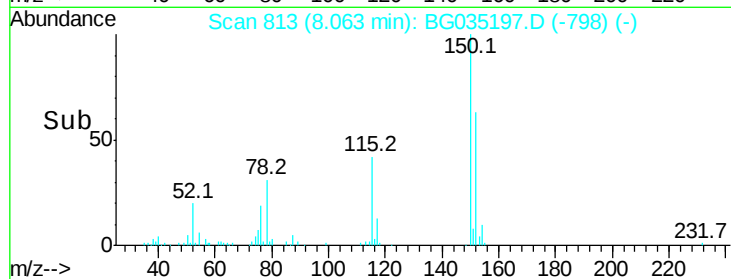
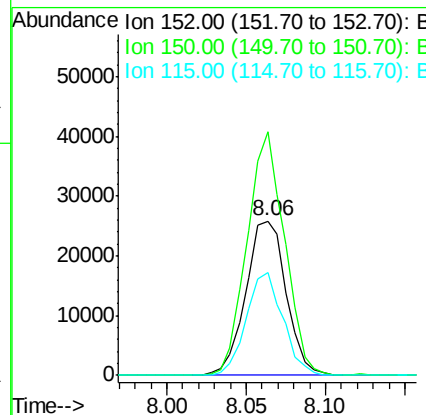
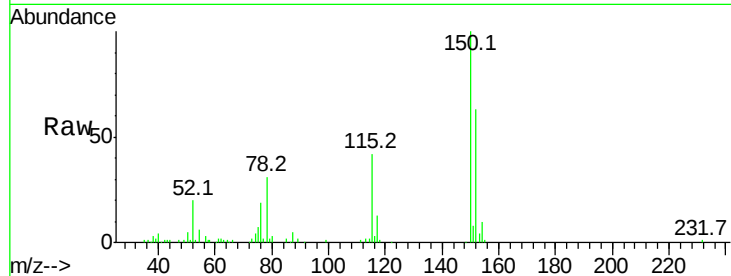


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Instrument :
BNA_G
ClientSampleId :

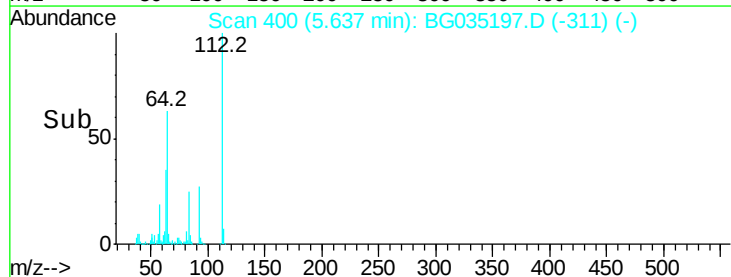
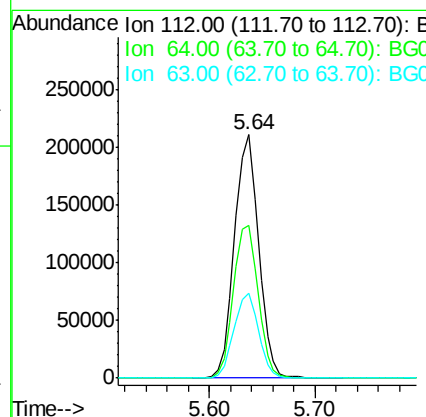
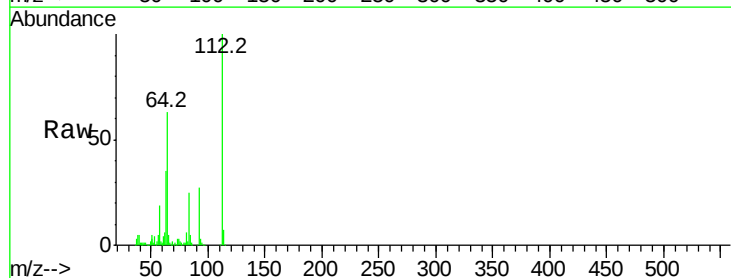
Tot Ion:152 Resp: 45564
Ion Ratio Lower Upper
152 100
150 158.0 126.6 189.8
115 66.6 53.0 79.4

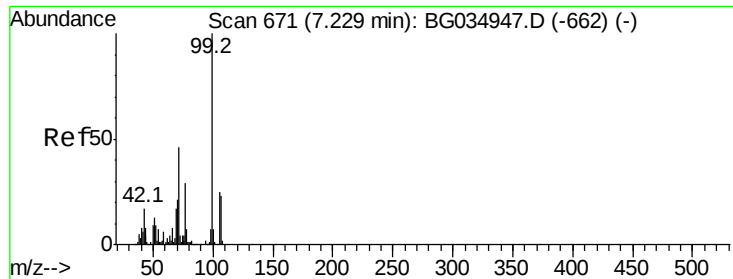


#5

2-Fluorophenol
Concen: 123.938 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Tgt Ion:112 Resp: 334622
Ion Ratio Lower Upper
112 100
64 62.5 56.3 84.5
63 34.7 30.1 45.1





#7

Phenol-d6

Concen: 109.982 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

Instrument :

BNA_G

ClientSampleId :

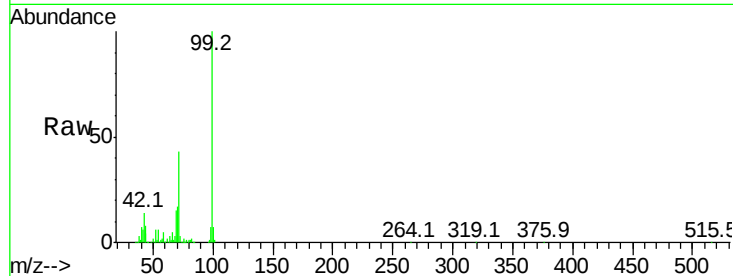
Tot Ion: 99 Resp: 438268

Ion Ratio Lower Upper

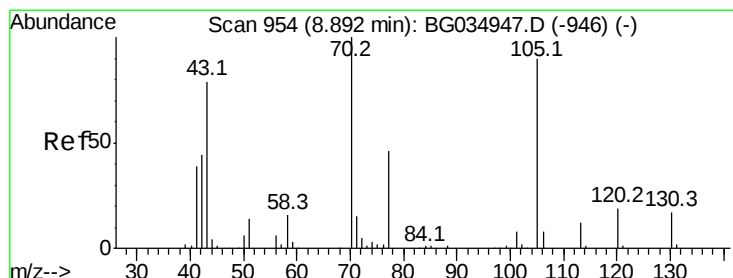
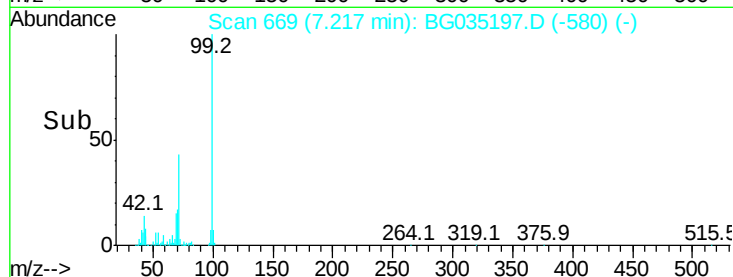
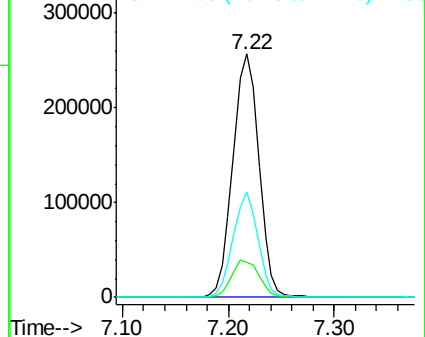
99 100

42 14.3 14.1 21.1

71 43.0 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: 14.966 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

Tgt Ion: 70 Resp: 50667

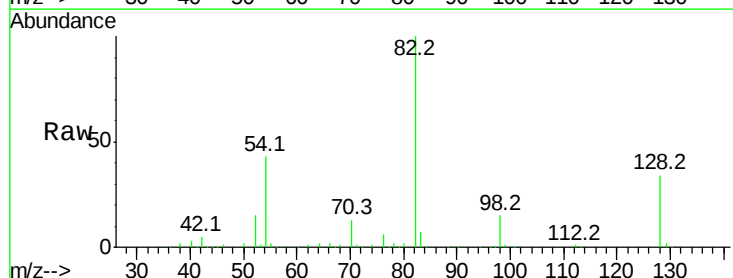
Ion Ratio Lower Upper

70 100

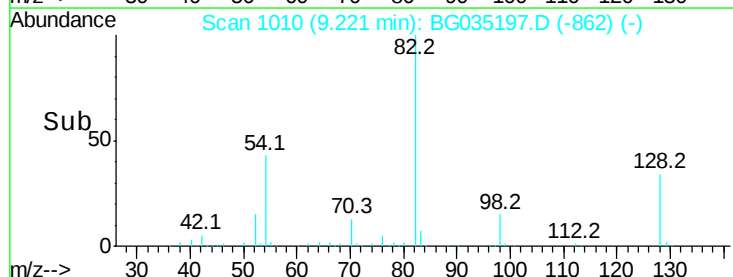
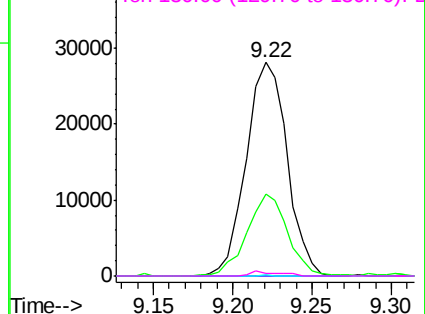
42 38.4 49.1 73.7#

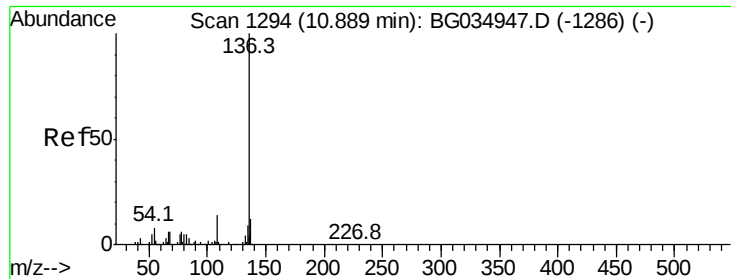
101 0.6 8.5 12.7#

130 1.3 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

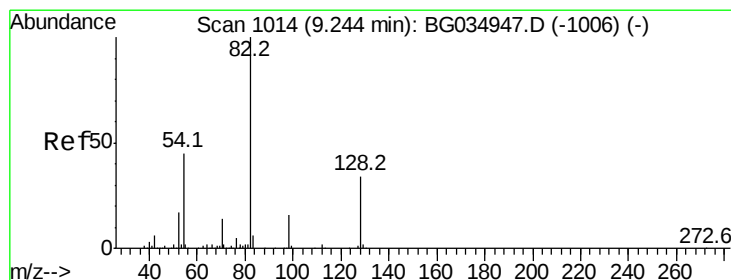
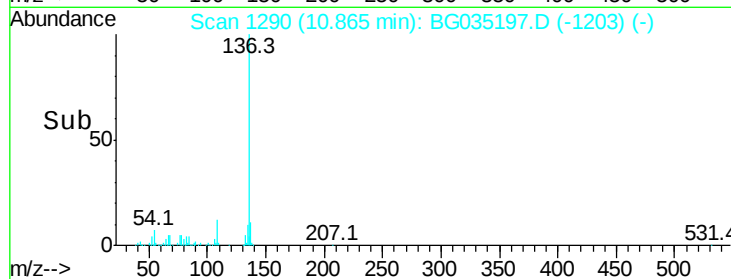
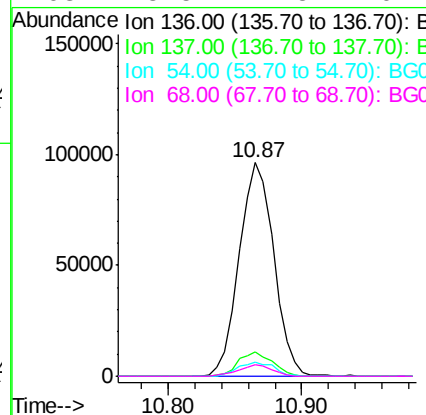
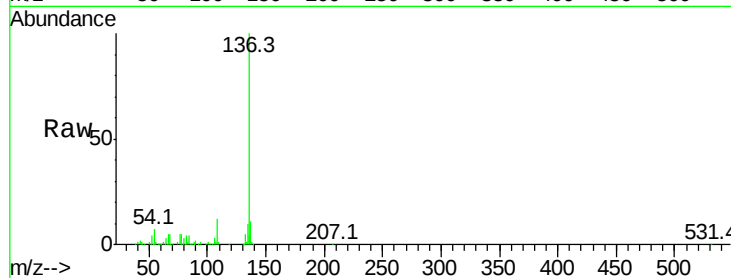




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

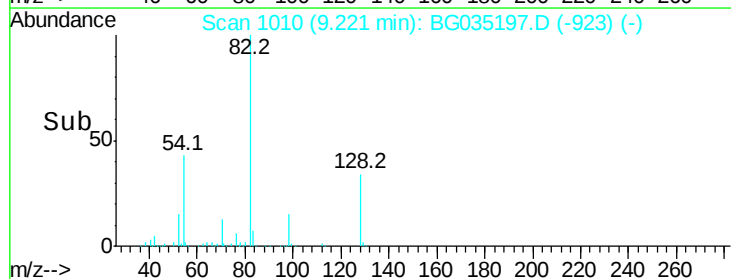
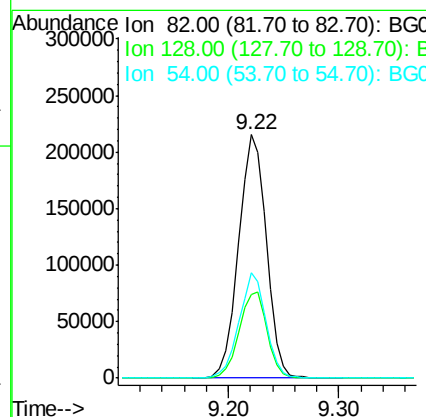
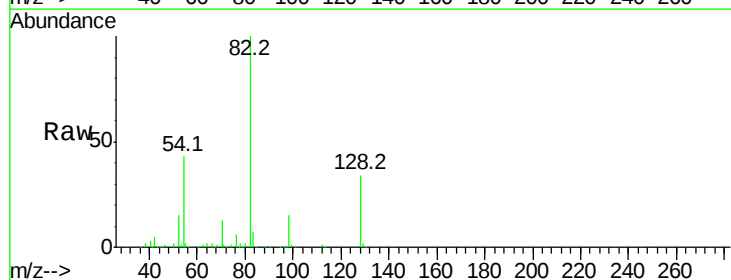
Instrument :
BNA_G
ClientSampleId :

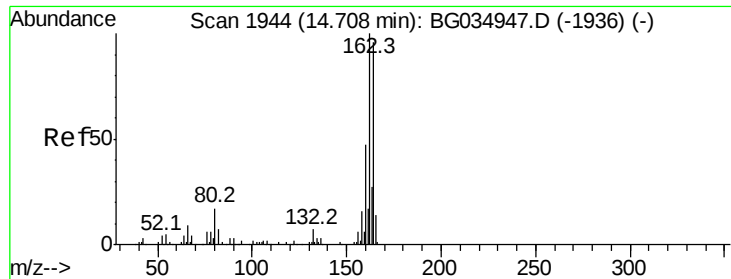
Tot Ion:	136	Resp:	172685
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.6	10.3	15.5
68	5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 105.048 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Tgt Ion:	82	Resp:	381625
Ion	Ratio	Lower	Upper
82	100		
128	34.1	29.7	44.5
54	43.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

Instrument :

BNA_G

ClientSampleId :

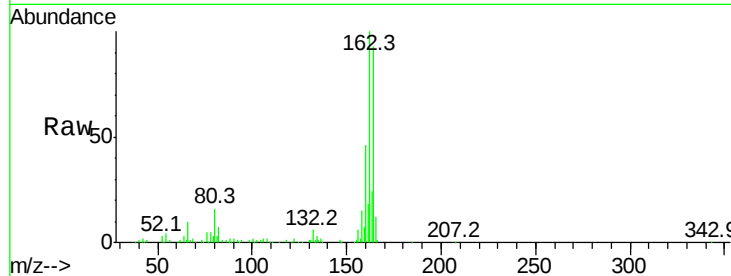
Tot Ion:164 Resp: 124792

Ion Ratio Lower Upper

164 100

162 107.9 78.8 118.2

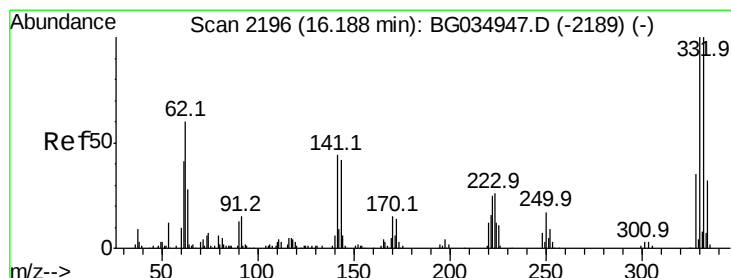
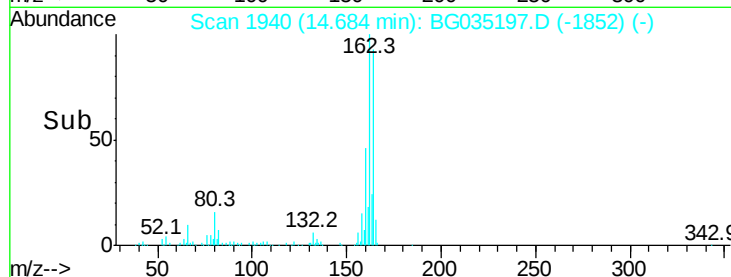
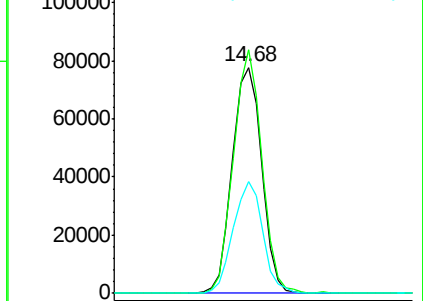
160 49.4 35.4 53.0



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: 145.391 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

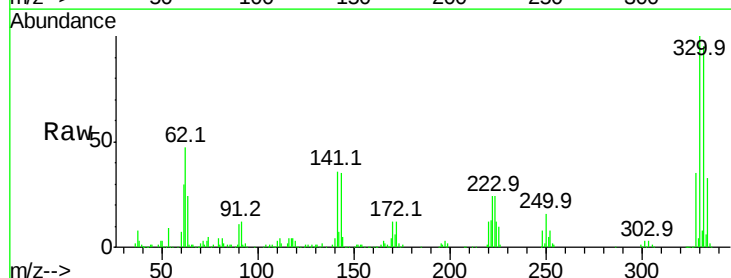
Tgt Ion:330 Resp: 232262

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

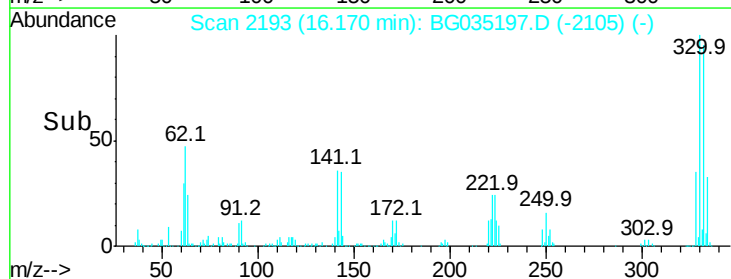
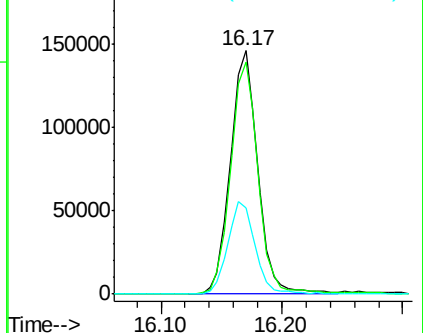
141 37.7 25.2 37.8

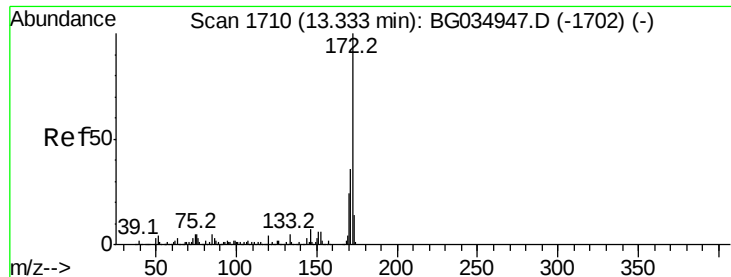


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 92.398 ng

RT: 13.31 min Scan# 1706

Delta R.T. -0.02 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

Instrument :

BNA_G

ClientSampleId :

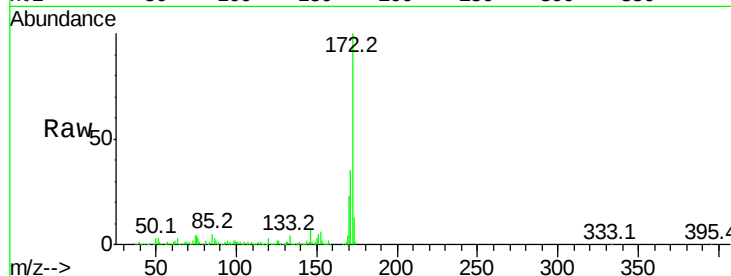
Tot Ion:172 Resp: 886967

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	23.3	19.5	29.3

172 100

171 35.4 30.0 45.0

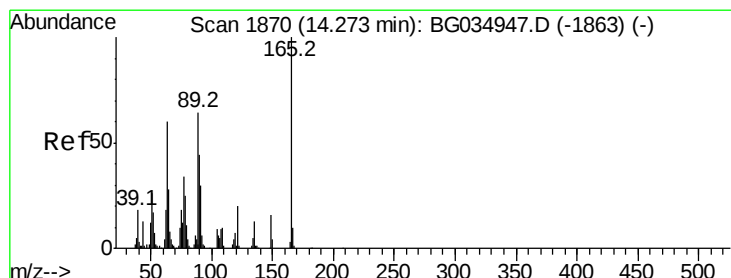
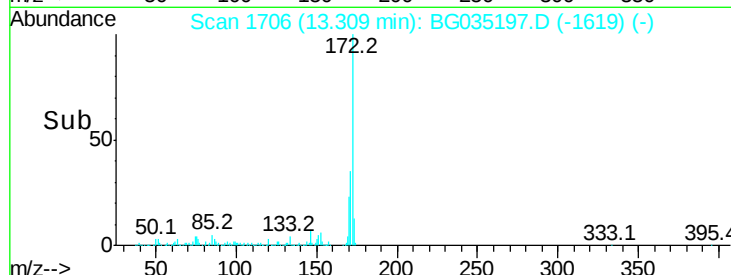
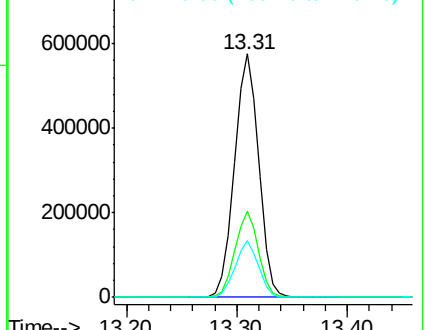
170 23.3 19.5 29.3



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: 8.899 ng

RT: 14.68 min Scan# 1939

Delta R.T. 0.41 min

Lab File: BG035197.D

Acq: 16 Jun 2018 7:58

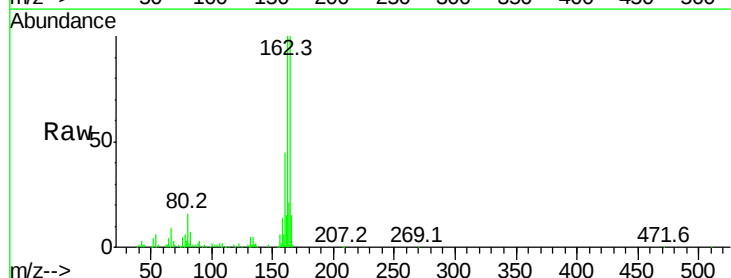
Tgt Ion:165 Resp: 17667

Ion	Ratio	Lower	Upper
165	100		
63	3.4	52.7	79.1#
89	0.0	49.2	73.8#

165 100

63 3.4 52.7 79.1#

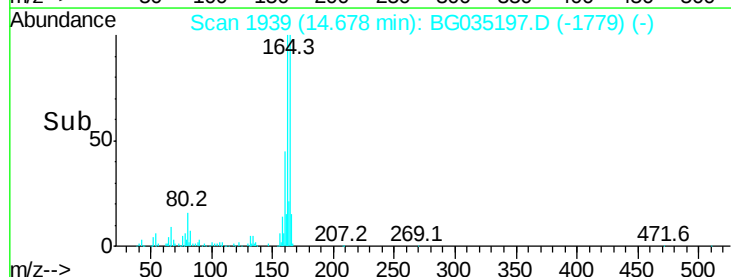
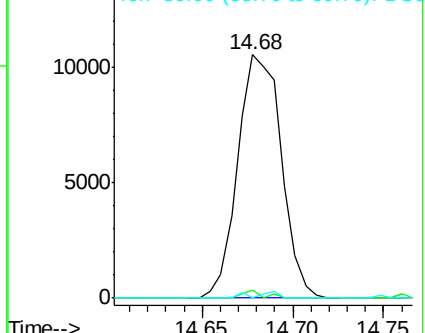
89 0.0 49.2 73.8#

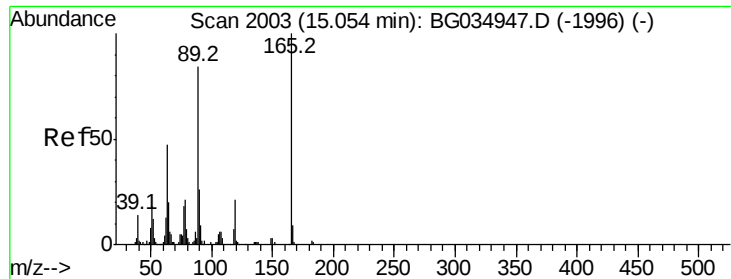


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

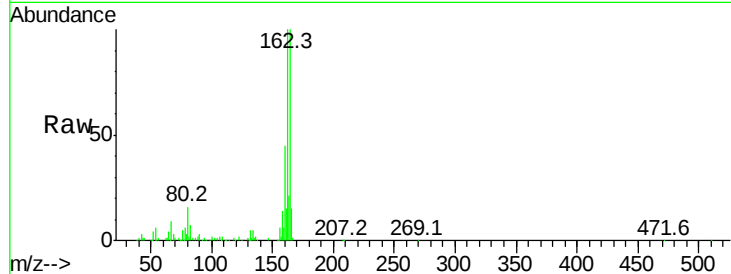




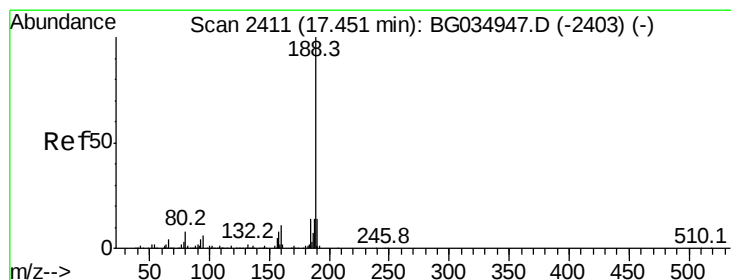
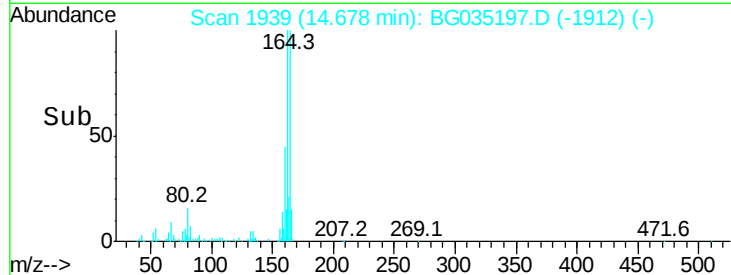
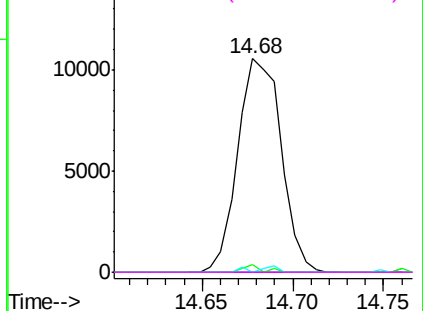
#56
2,4-Dinitrotoluene
Concen: 6.699 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17667
Ion Ratio Lower Upper
165 100
63 3.4 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

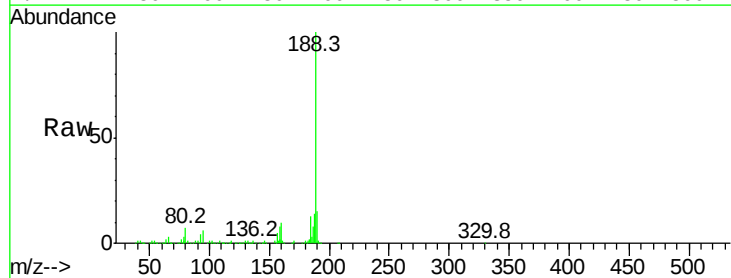


Abundance Ion 165.00 (164.70 to 165.70): E

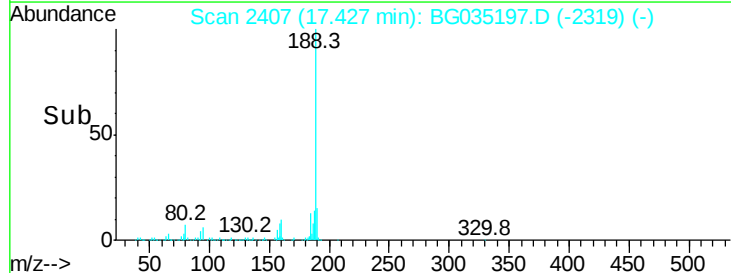
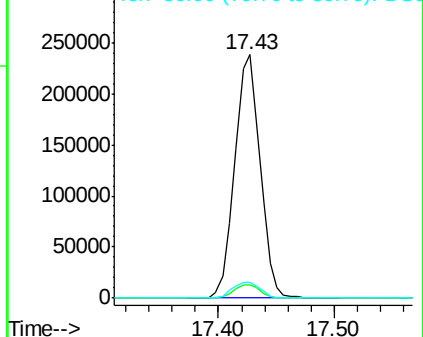


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Tgt Ion:188 Resp: 363100
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 6.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

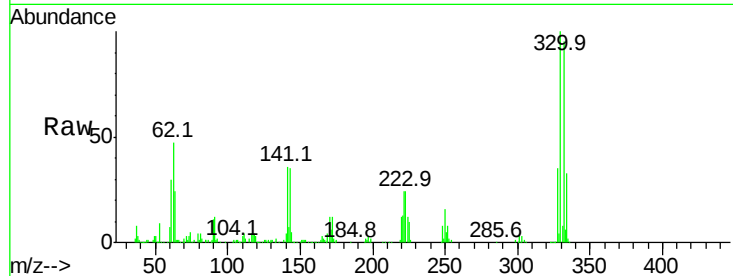




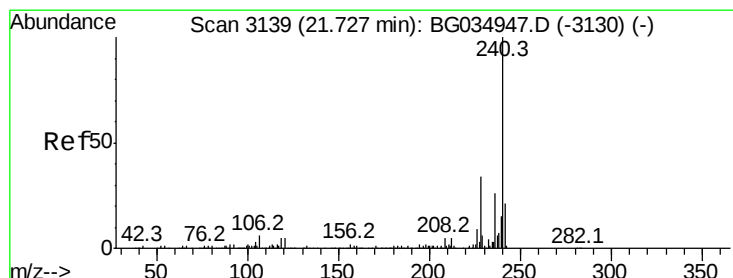
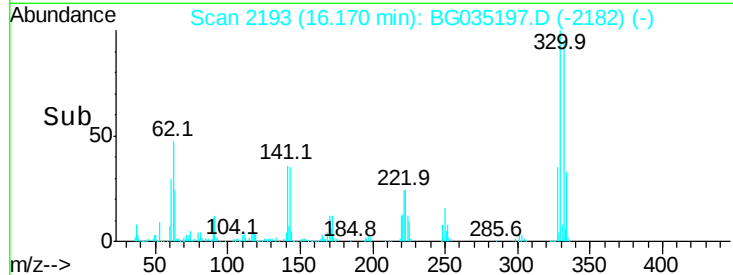
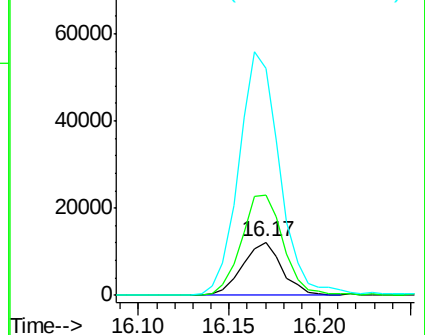
#66
4-Bromophenyl-phenylether
Concen: 4.257 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.47 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 18616
Ion Ratio Lower Upper
248 100
250 188.4 77.1 115.7#
141 425.9 50.8 76.2#

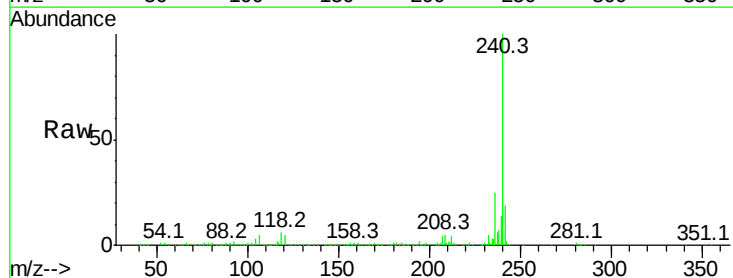


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

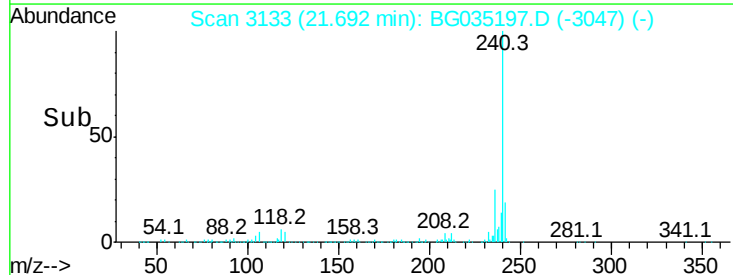
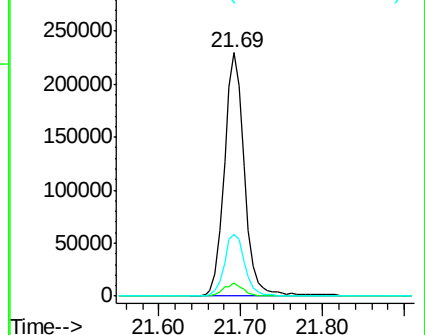


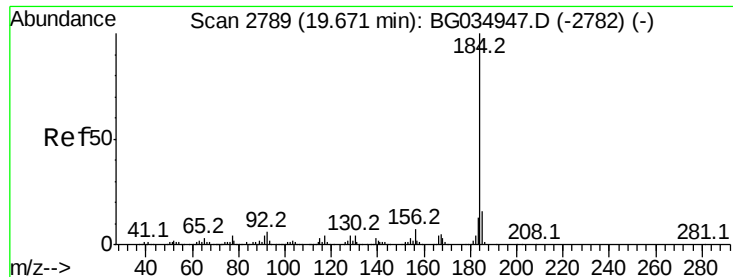
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Tgt Ion:240 Resp: 391352
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 25.3 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

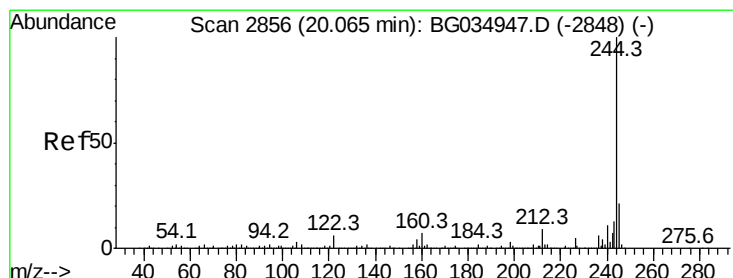
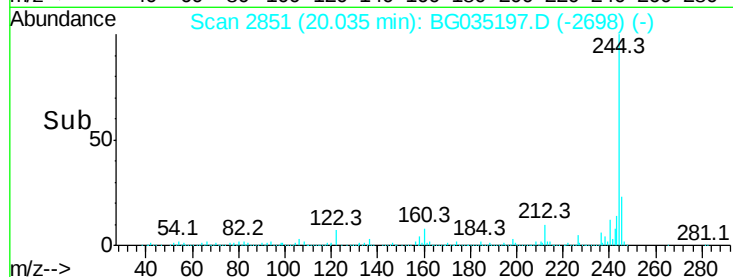
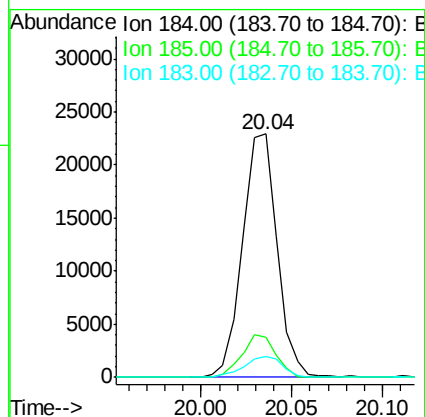
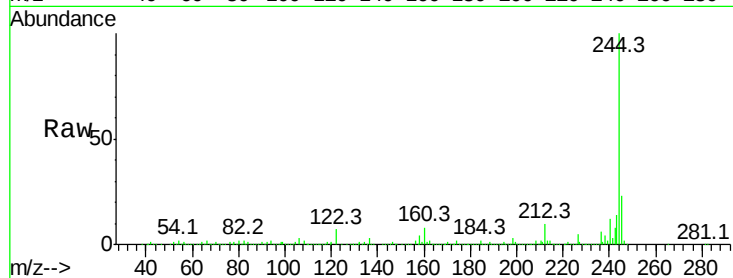




#76
Benzidine
Concen: 2.093 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.37 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

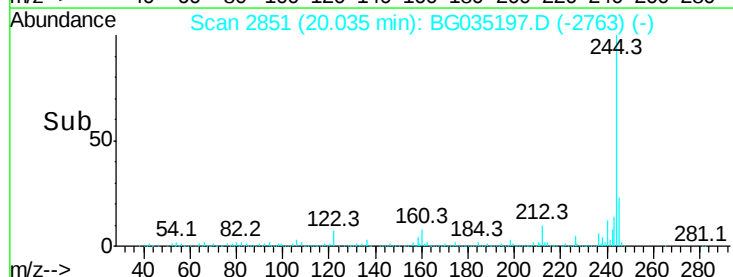
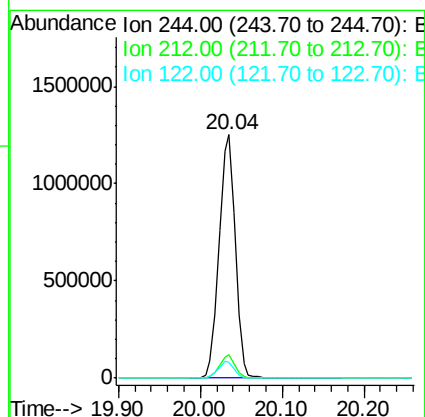
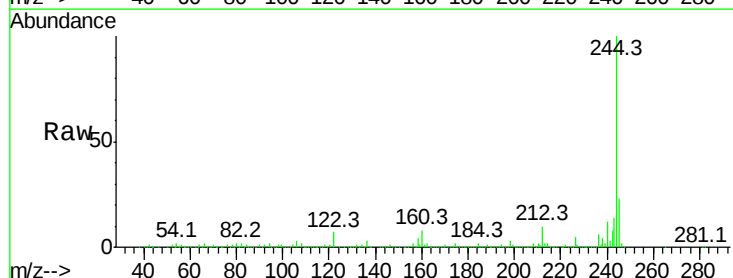
Instrument :
BNA_G
ClientSampleId :

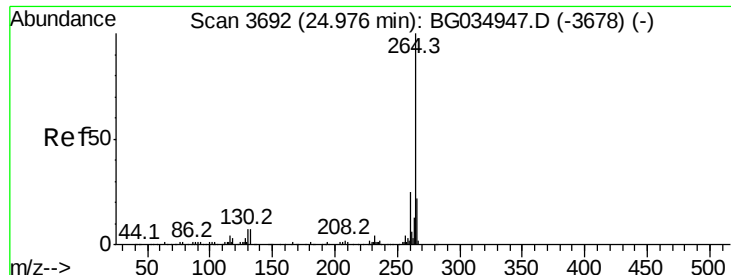
Tot Ion:184 Resp: 30469
Ion Ratio Lower Upper
184 100
185 16.7 11.1 16.7#
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.927 ng
RT: 20.04 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG035197.D
Acq: 16 Jun 2018 7:58

Tgt Ion:244 Resp: 1736175
Ion Ratio Lower Upper
244 100
212 9.6 5.8 8.8#
122 6.7 7.0 10.4#

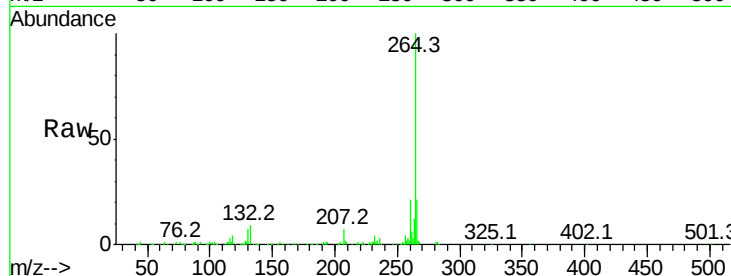




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3682
 Delta R.T. -0.04 min
 Lab File: BG035197.D
 Acq: 16 Jun 2018 7:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	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

