

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036237.D
 Acq On : 9 Aug 2018 17:38
 Operator : JU/SJ
 Sample : PB111897BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 10 04:24:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

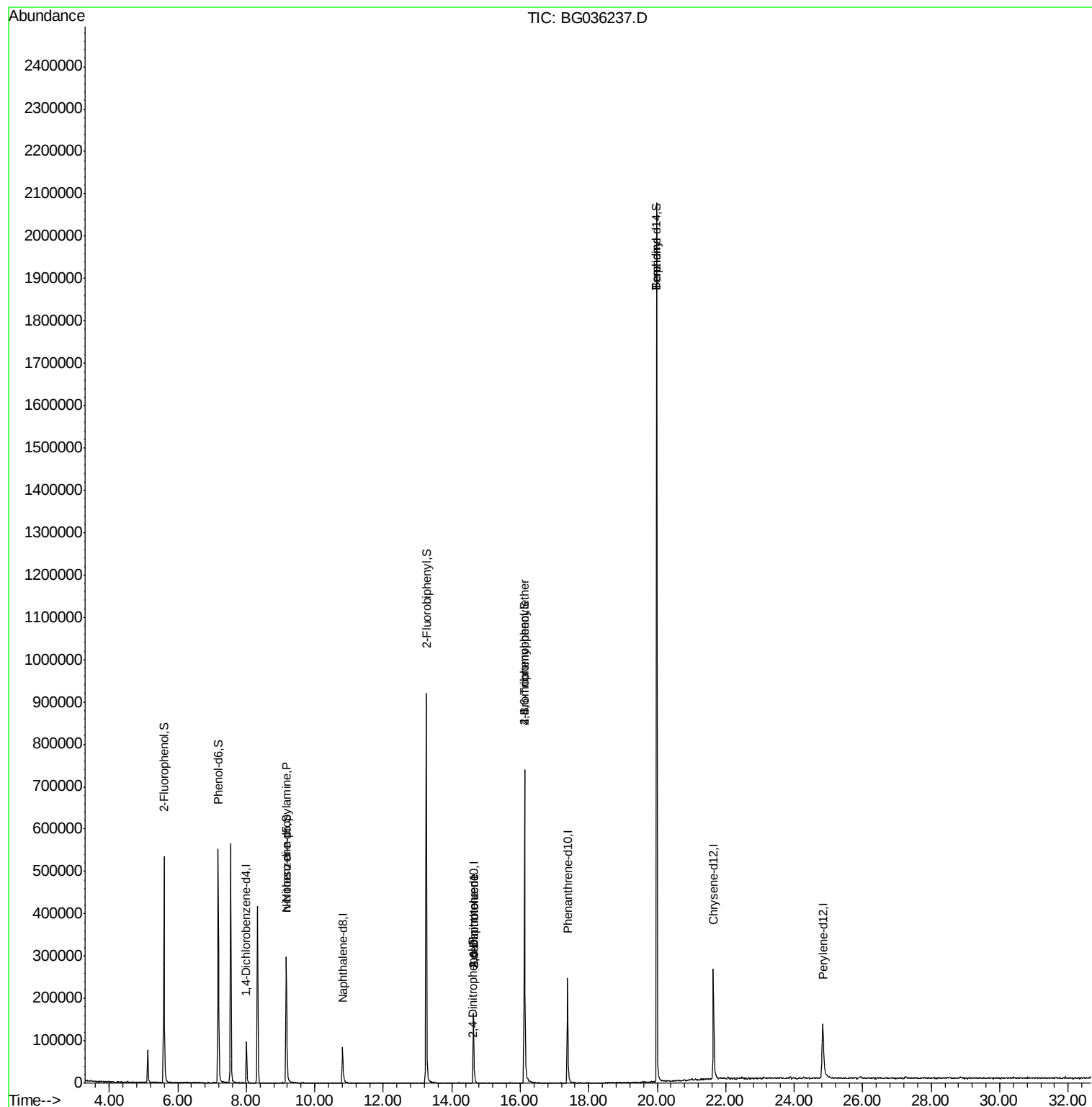
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	27942	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	89023	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	71282	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	198198	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	214217	20.00	ng	-0.02
86) Perylene-d12	24.83	264	192108	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	239767	142.46	ng	0.00
7) Phenol-d6	7.18	99	342577	136.43	ng	-0.01
23) Nitrobenzene-d5	9.17	82	226400	106.24	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	155013	164.99	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	540597	101.60	ng	-0.02
78) Terphenyl-d14	19.98	244	1050884	108.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	32545	15.391	ng	# 65
50) 2,6-Dinitrotoluene	14.63	165	9474	7.449	ng	# 18
53) 2,4-Dinitrophenol	14.60	184	81	6.696	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	9474	5.193	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	12914	5.616	ng	# 1
76) Benzidine	19.98	184	17584	3.122	ng	# 95

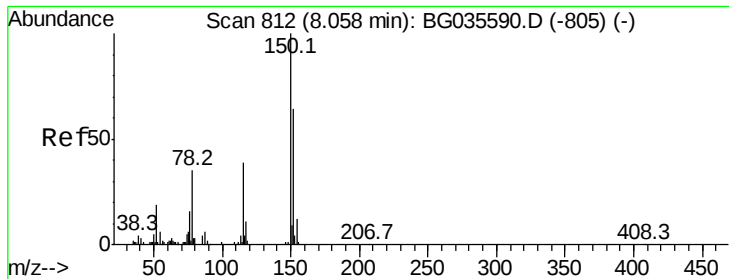
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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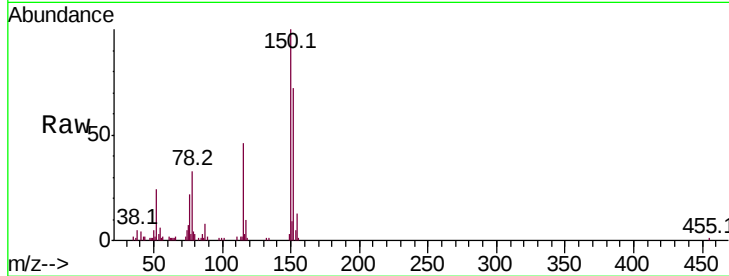


#1

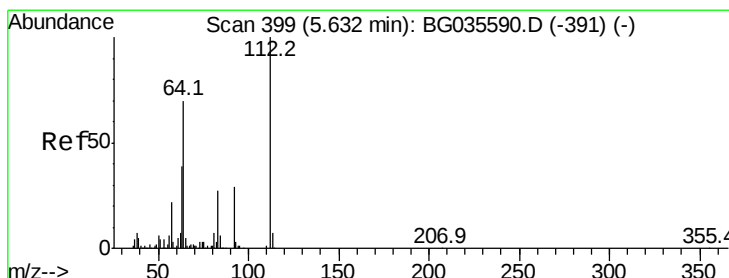
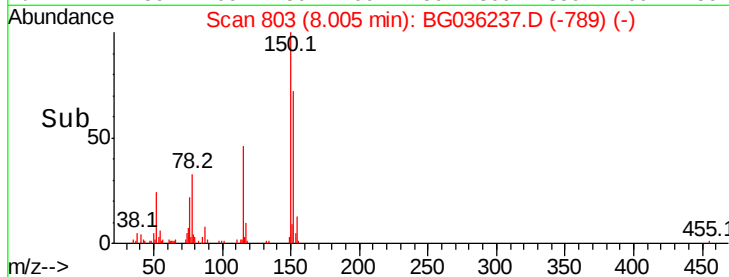
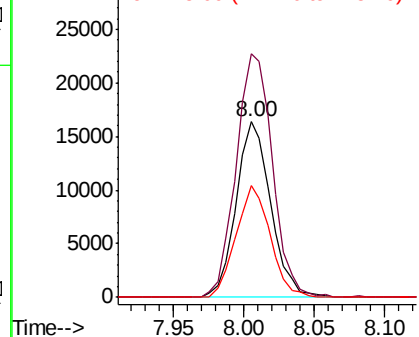
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036237.D
Acq: 9 Aug 2018 17:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 27942
Ion Ratio Lower Upper
152 100
150 139.0 126.6 189.8
115 64.1 53.0 79.4



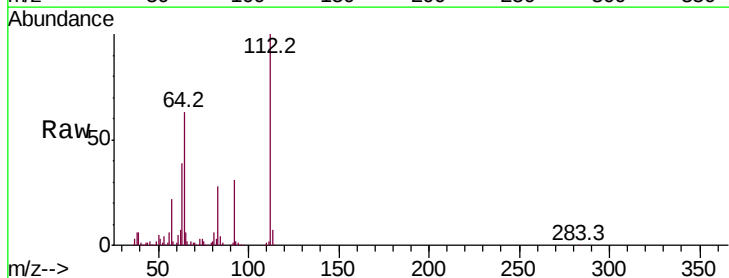
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



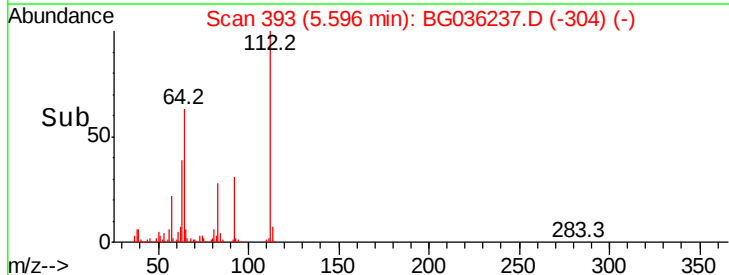
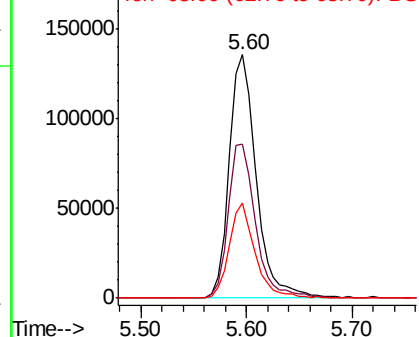
#5

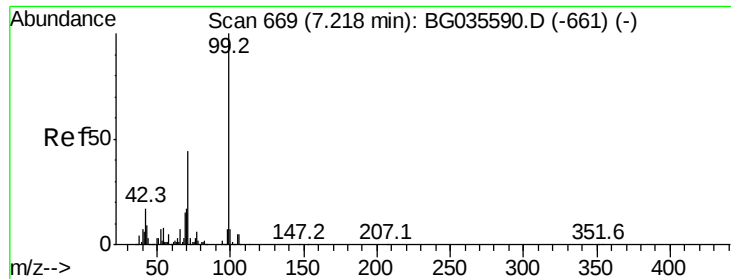
2-Fluorophenol
Concen: 142.463 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036237.D
Acq: 9 Aug 2018 17:38

Tgt Ion:112 Resp: 239767
Ion Ratio Lower Upper
112 100
64 63.3 56.3 84.5
63 38.9 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: 136.428 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Instrument :

BNA_G

ClientSampled :

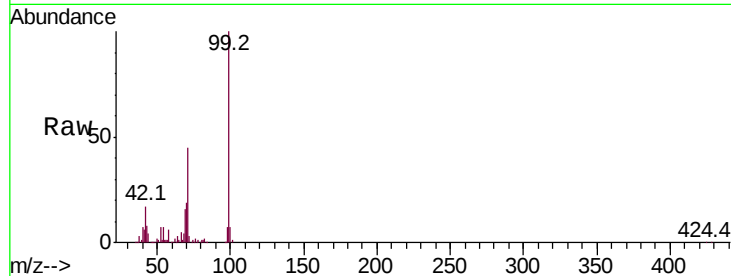
Tot Ion: 99 Resp: 342577

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

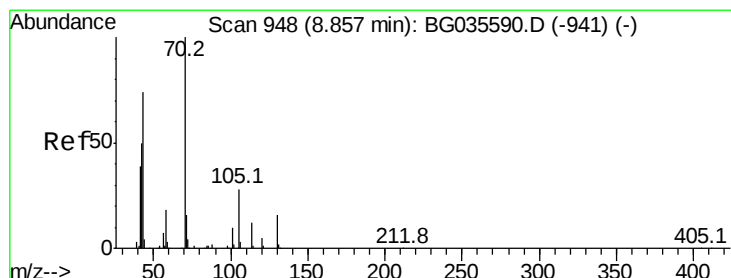
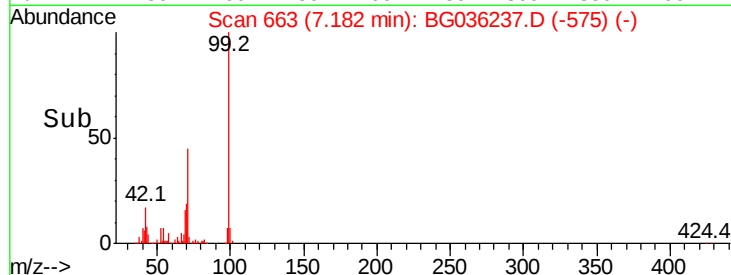
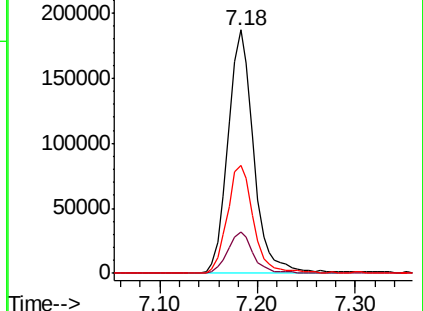
71 44.5 26.1 39.1#



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: 15.391 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Tgt Ion: 70 Resp: 32545

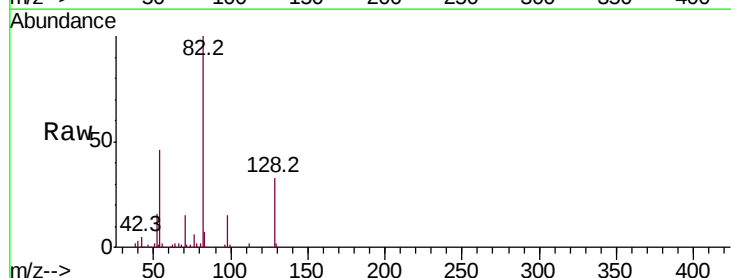
Ion Ratio Lower Upper

70 100

42 33.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

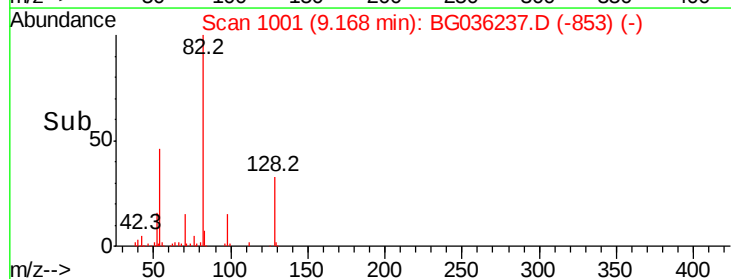
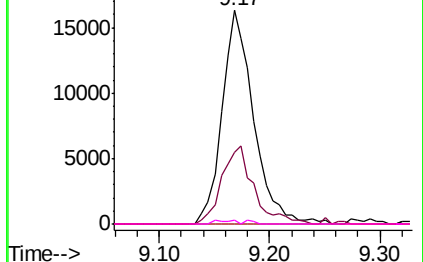


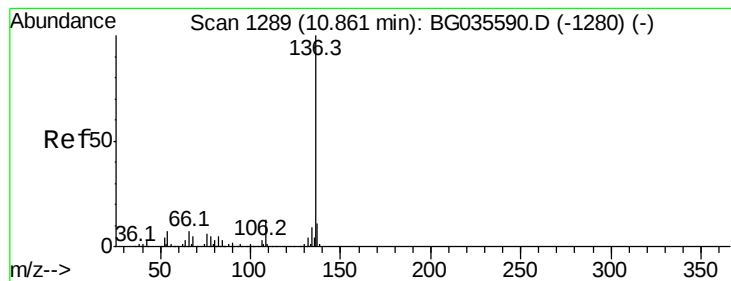
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036237.D

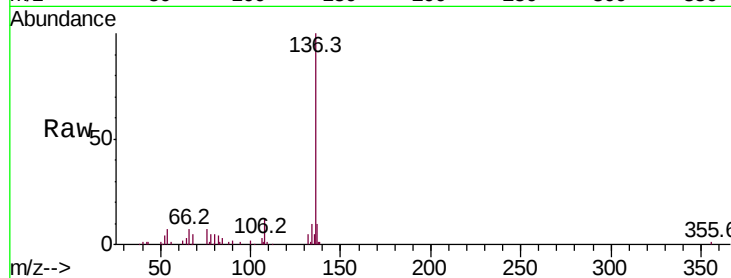
Acq: 9 Aug 2018 17:38

Instrument :

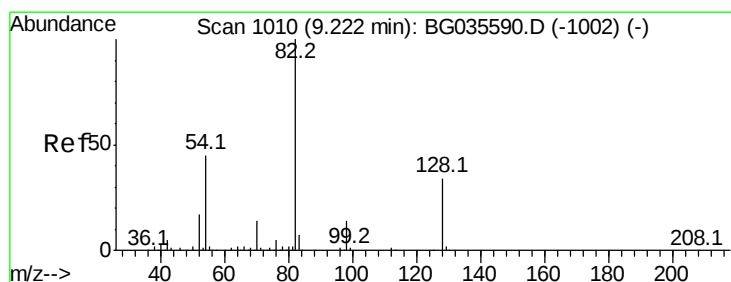
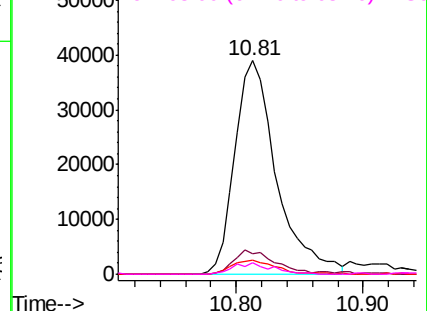
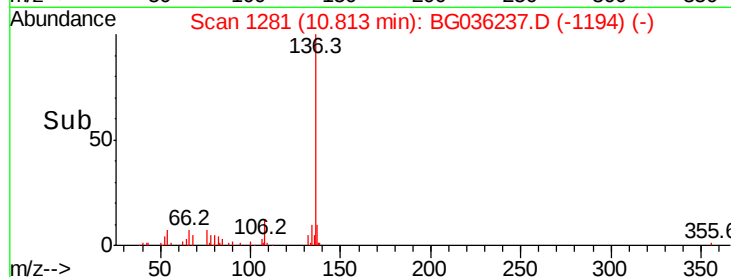
BNA_G

ClientSampleId :

Tot Ion:136	Resp:	89023
Ion Ratio	Lower	Upper
136	100	
137	9.9	9.2 13.8
54	6.7	10.3 15.5#
68	5.2	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): BG
 Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 106.240 ng

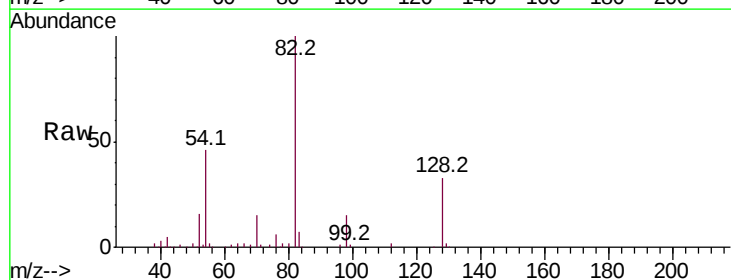
RT: 9.17 min Scan# 1001

Delta R.T. -0.02 min

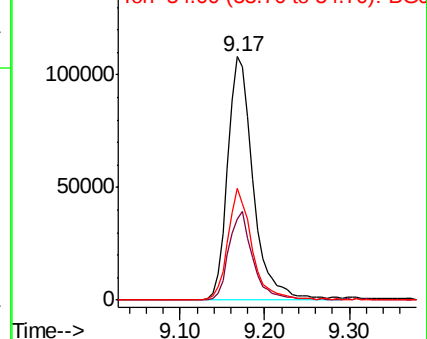
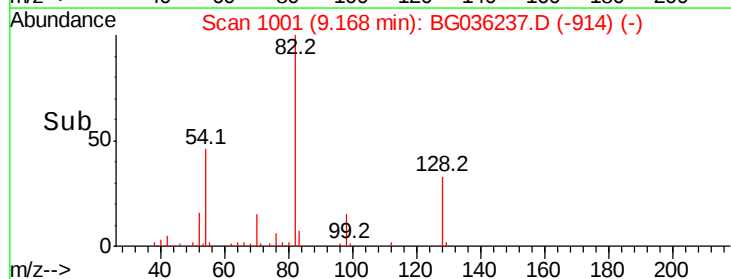
Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Tgt Ion: 82	Resp:	226400
Ion Ratio	Lower	Upper
82	100	
128	33.1	29.7 44.5
54	45.8	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Instrument :

BNA_G

ClientSampleId :

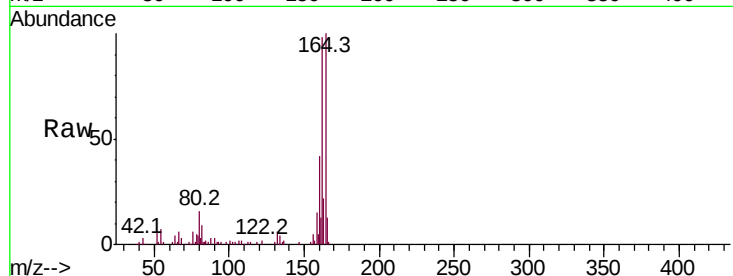
Tot Ion:164 Resp: 71282

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

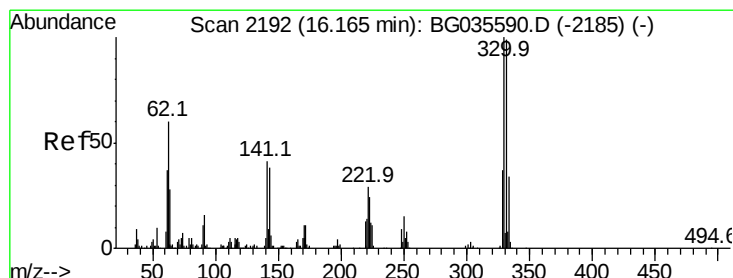
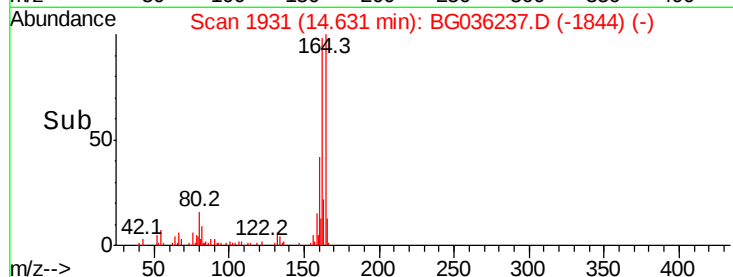
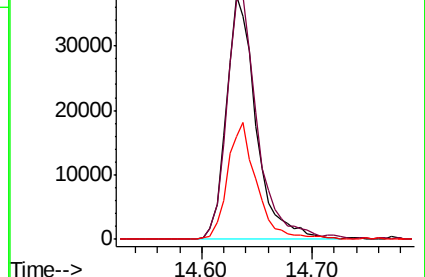
160 42.4 35.4 53.0



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: 164.988 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

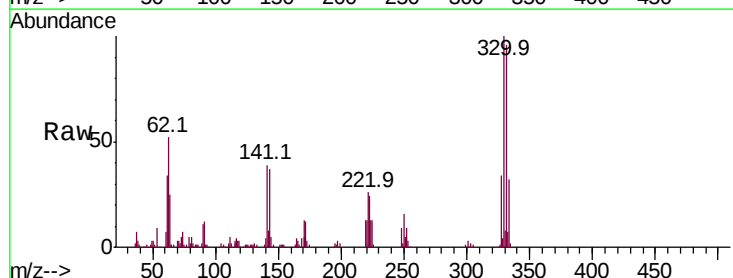
Tgt Ion:330 Resp: 155013

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

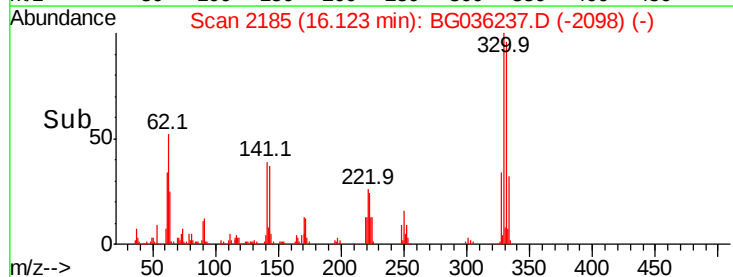
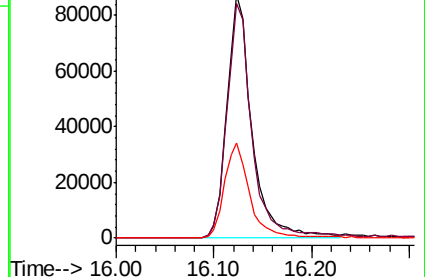
141 40.5 25.2 37.8#

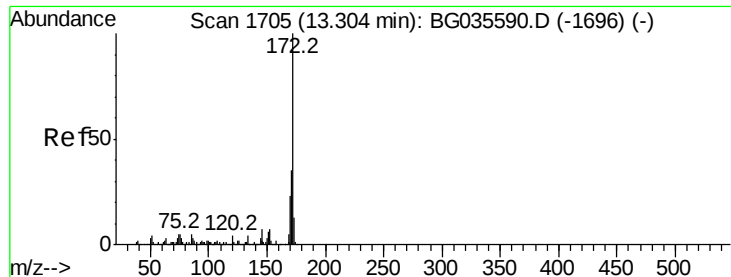


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

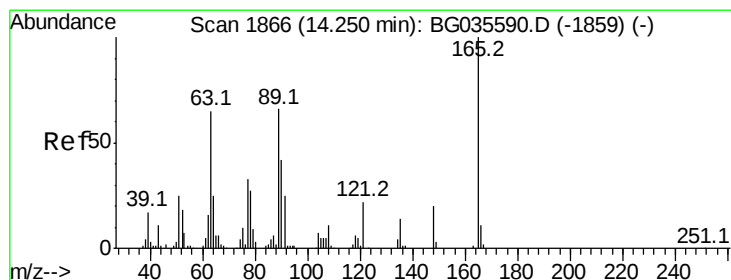
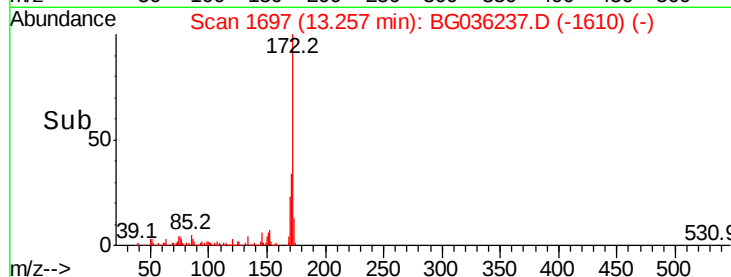
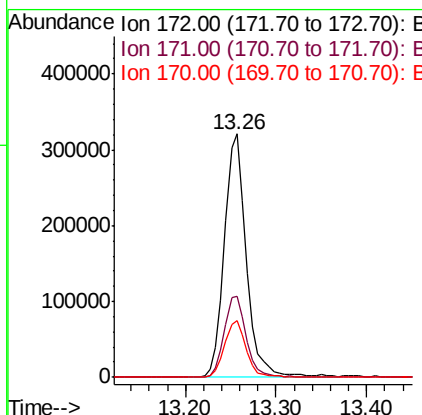
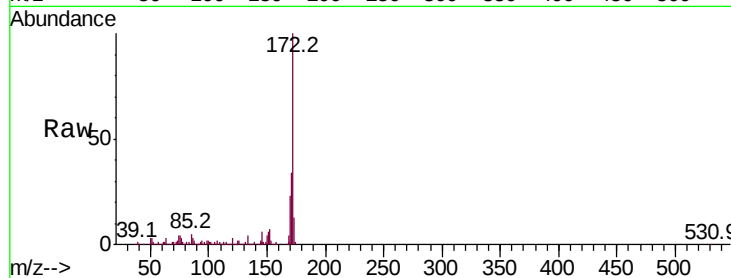




#44
2-Fluorobiphenyl
Concen: 101.605 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036237.D
Acq: 9 Aug 2018 17:38

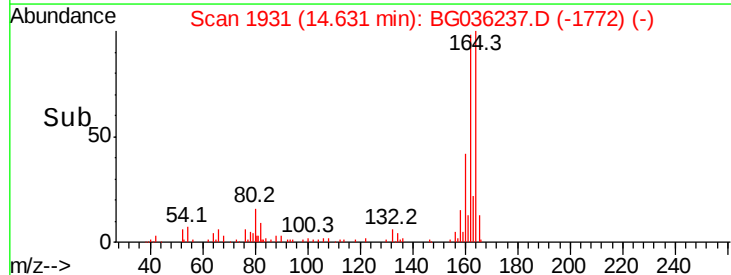
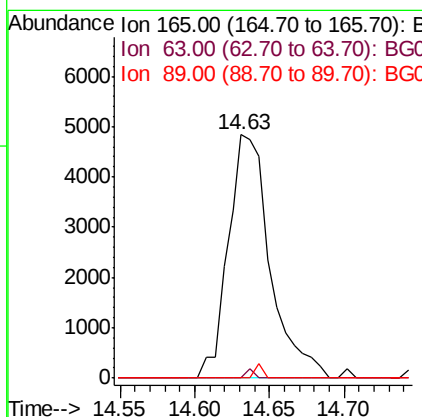
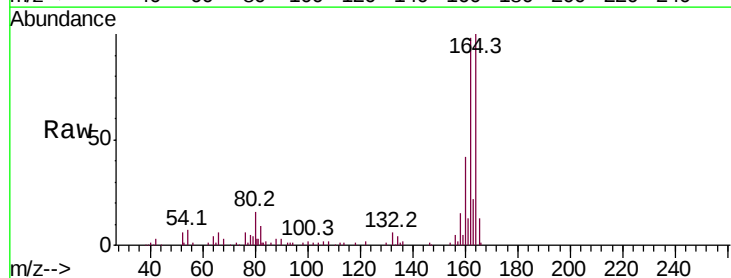
Instrument :
BNA_G
ClientSampleId :

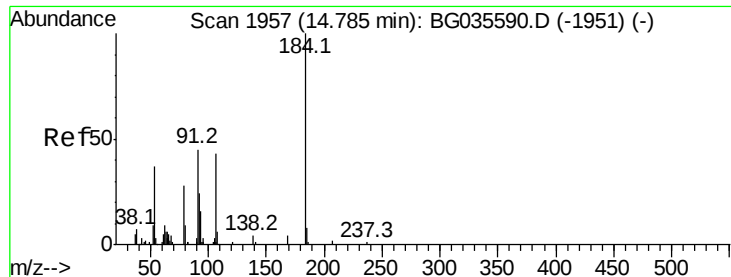
Tot Ion:172 Resp: 540597
Ion Ratio Lower Upper
172 100
171 33.5 30.0 45.0
170 23.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.449 ng
RT: 14.63 min Scan# 1931
Delta R.T. 0.40 min
Lab File: BG036237.D
Acq: 9 Aug 2018 17:38

Tgt Ion:165 Resp: 9474
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.696 ng

RT: 14.60 min Scan# 1925

Delta R.T. -0.17 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

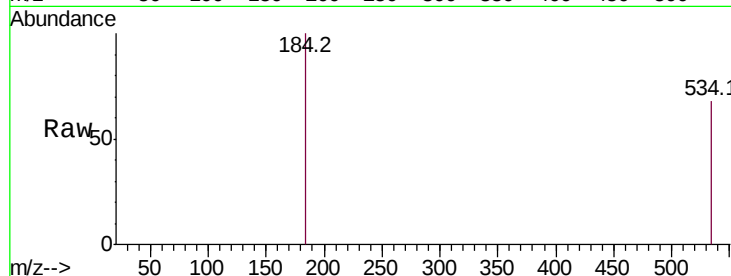
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 81

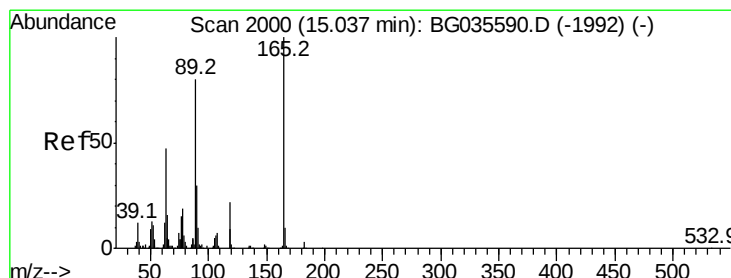
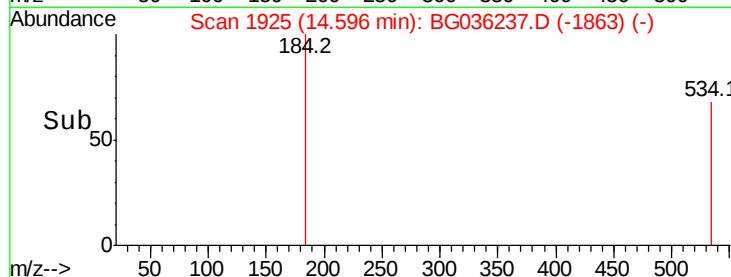
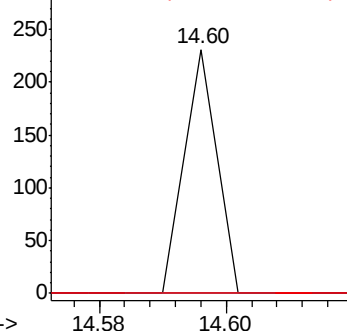
Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.193 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.38 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Tgt Ion:165 Resp: 9474

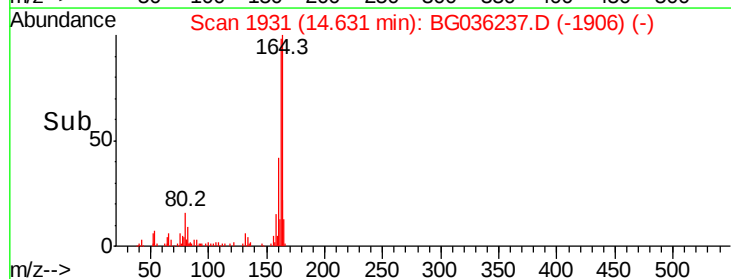
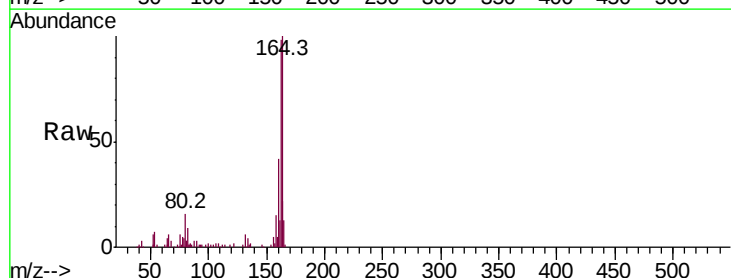
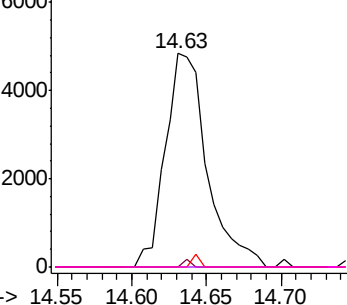
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

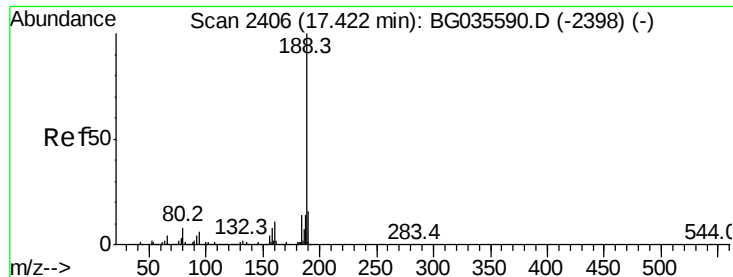
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Instrument :

BNA_G

ClientSampleId :

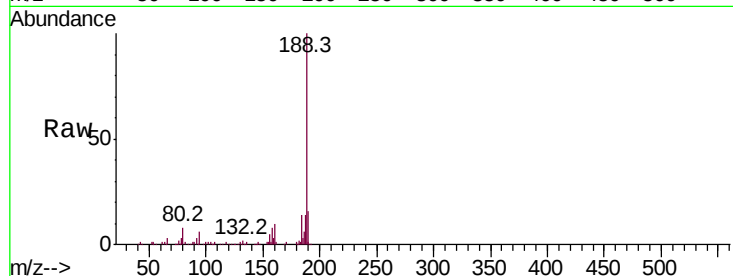
Tot Ion:188 Resp: 198198

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

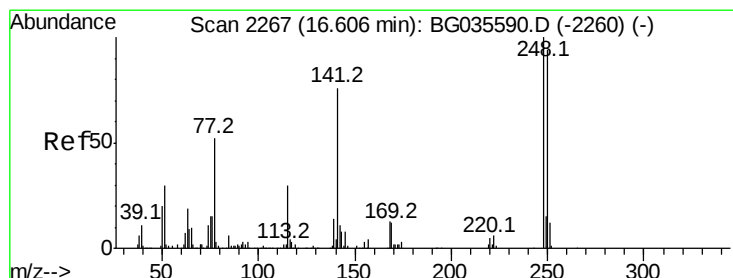
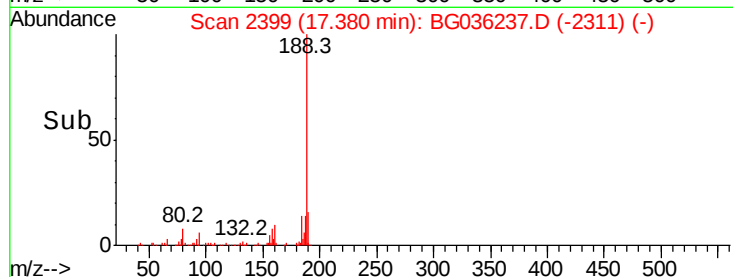
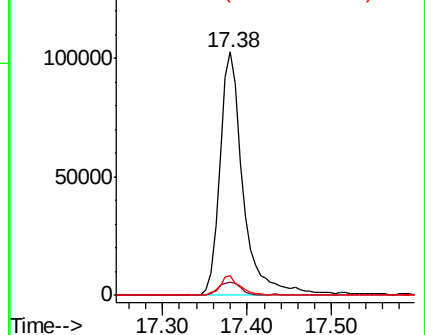
80 8.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.616 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

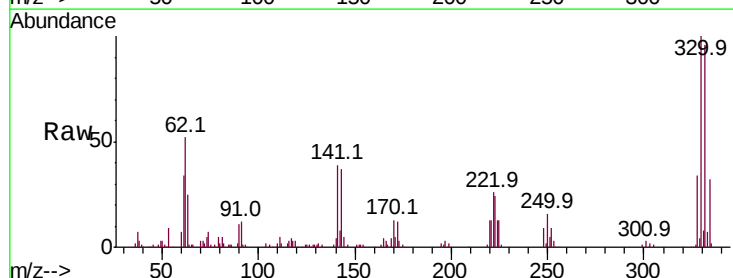
Tgt Ion:248 Resp: 12914

Ion Ratio Lower Upper

248 100

250 173.9 77.1 115.7#

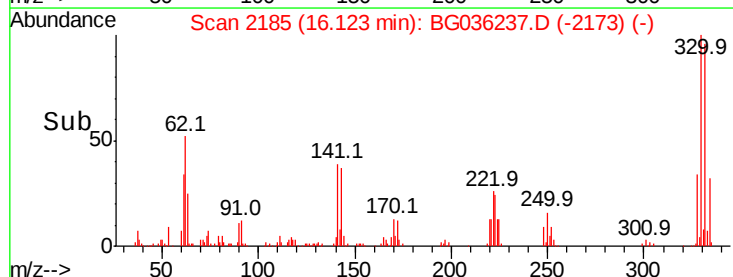
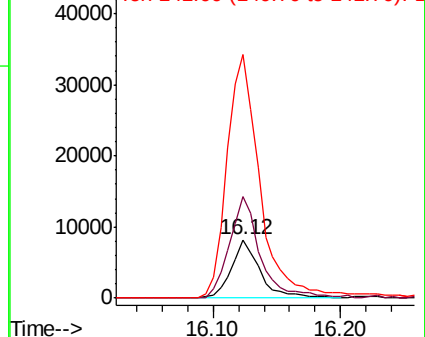
141 415.6 50.8 76.2#

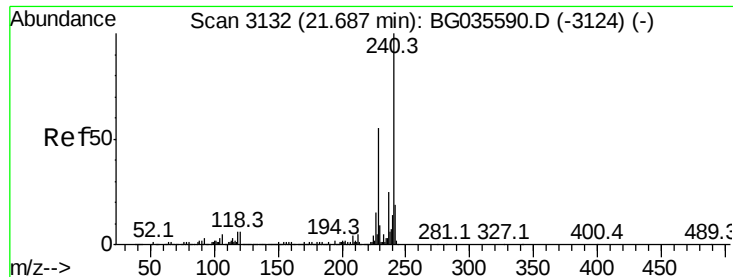


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

Instrument :

BNA_G

ClientSampled :

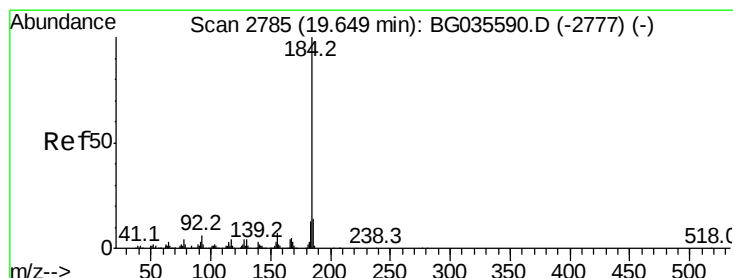
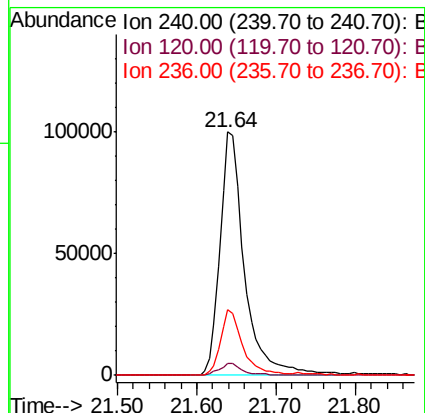
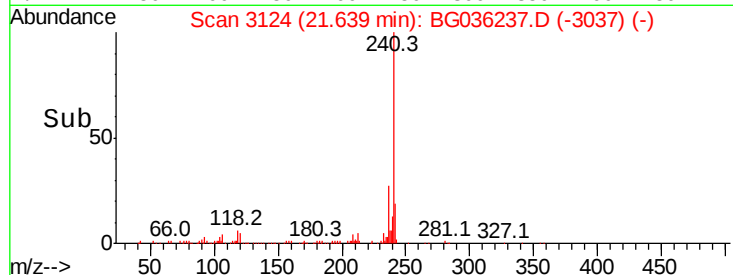
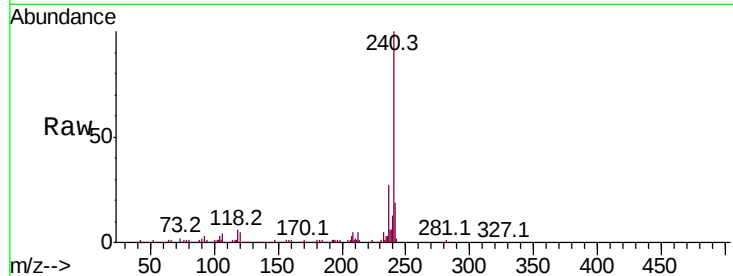
Tot Ion:240 Resp: 214217

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

236 27.2 20.9 31.3



#76

Benzidine

Concen: 3.122 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036237.D

Acq: 9 Aug 2018 17:38

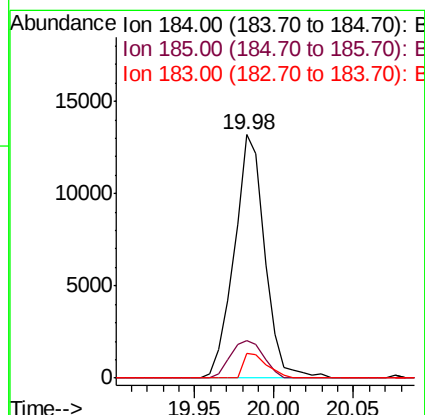
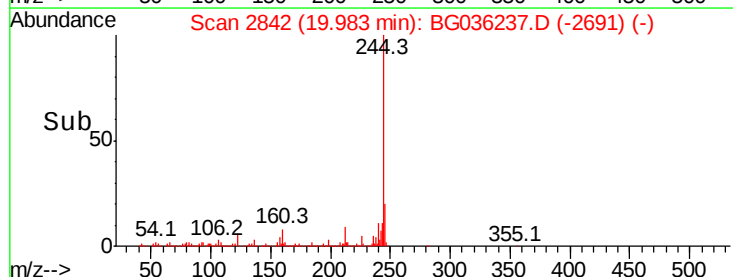
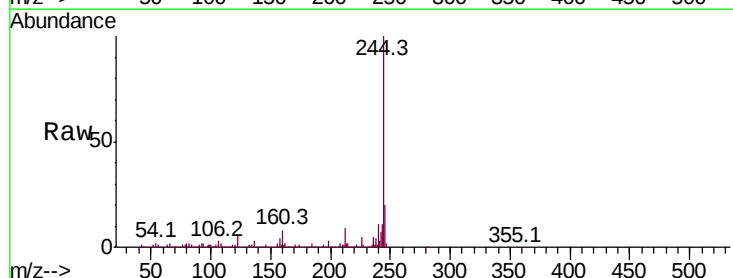
Tgt Ion:184 Resp: 17584

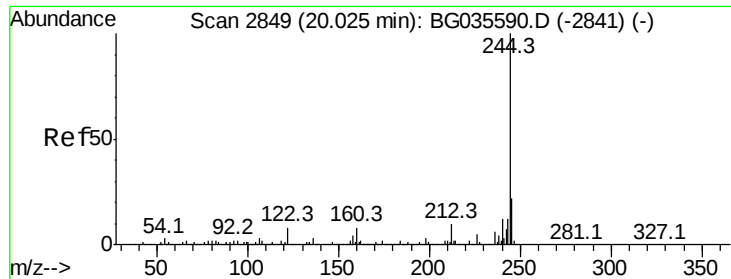
Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

183 10.3 10.6 16.0#

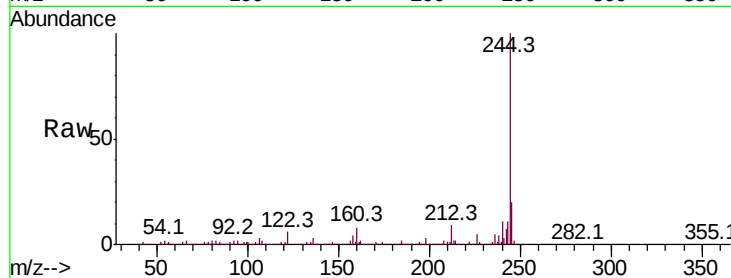




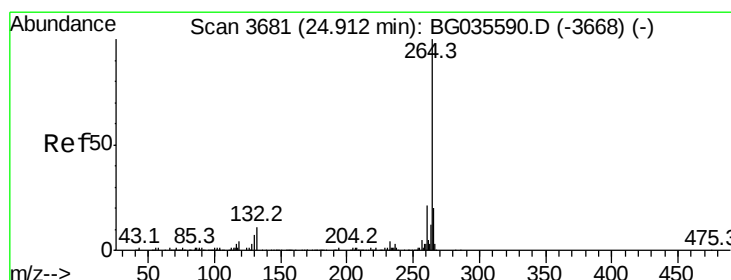
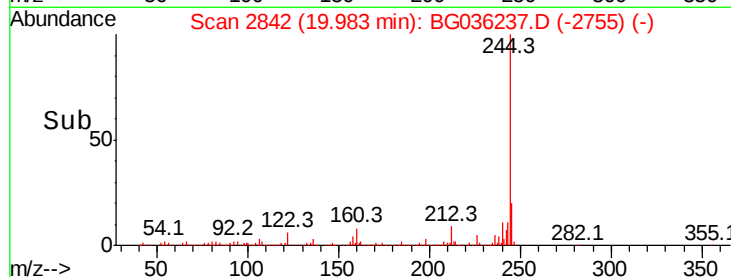
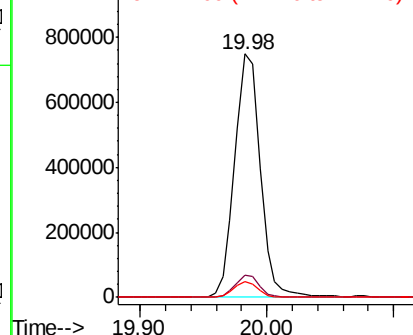
#78
 Terphenyl-d14
 Concen: 108.136 ng
 RT: 19.98 min Scan# 2842
 Delta R.T. -0.02 min
 Lab File: BG036237.D
 Acq: 9 Aug 2018 17:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1050884
 Ion Ratio Lower Upper
 244 100
 212 9.1 5.8 8.8#
 122 6.5 7.0 10.4#

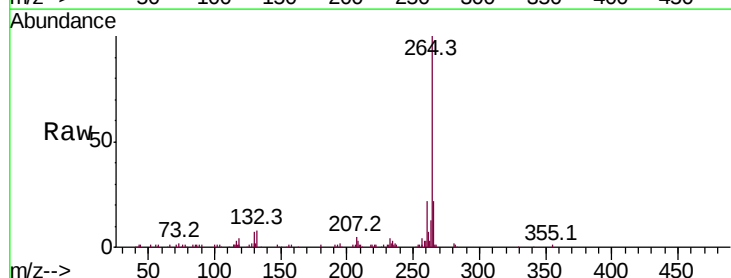


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3667
 Delta R.T. -0.03 min
 Lab File: BG036237.D
 Acq: 9 Aug 2018 17:38

Tgt Ion:264 Resp: 192108
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.4 26.0
 265 22.2 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

