

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035730.D
 Acq On : 18 Jul 2018 23:27
 Operator : JU/SJ
 Sample : J4026-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:04:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

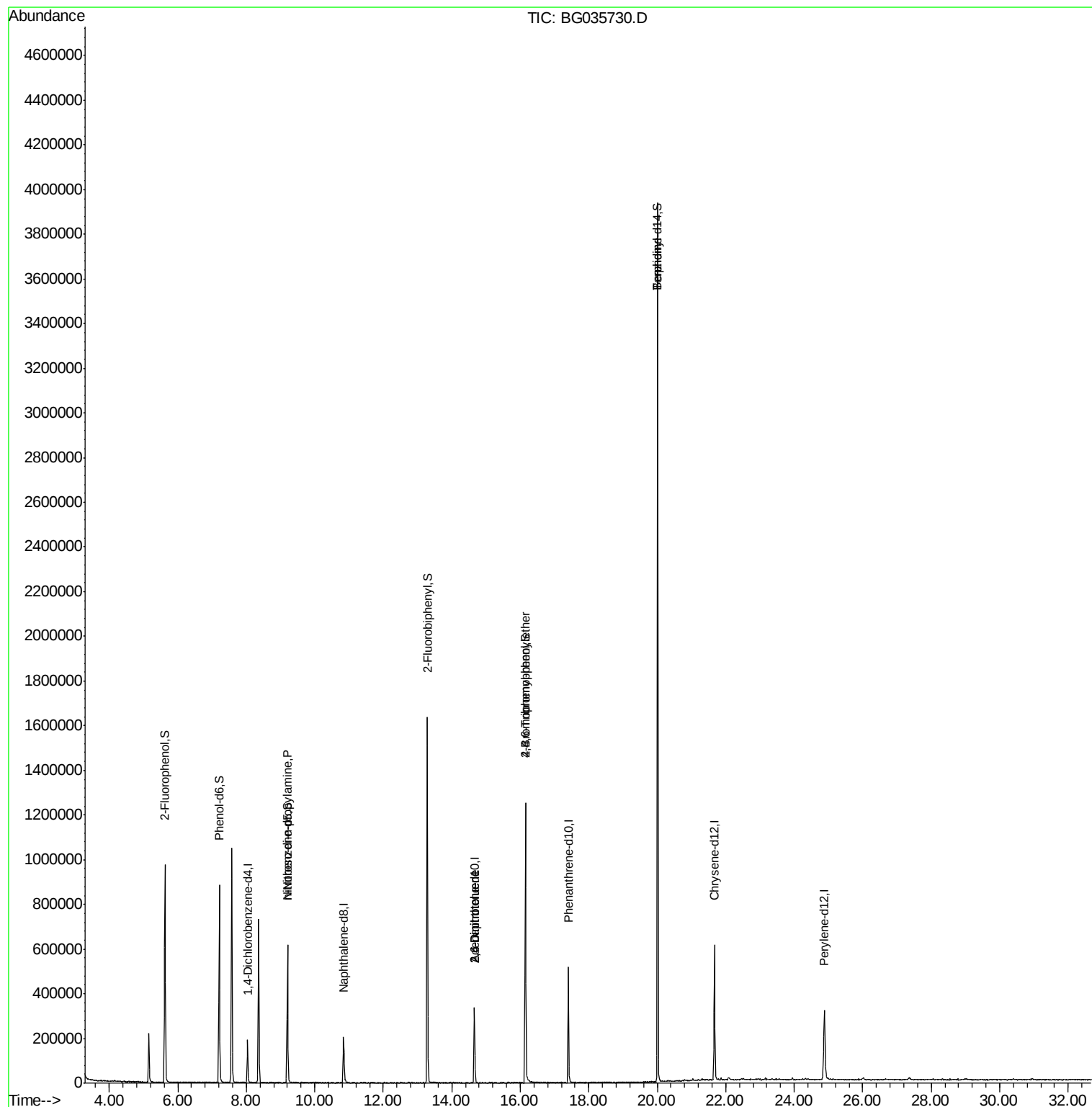
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50721	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	184345	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	124198	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	346813	20.00	ng	0.00
75) Chrysene-d12	21.67	240	403908	20.00	ng	0.00
86) Perylene-d12	24.88	264	369863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	421341	137.92	ng	0.00
7) Phenol-d6	7.21	99	539751	118.42	ng	0.00
23) Nitrobenzene-d5	9.20	82	424325	96.16	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	242569	148.18	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	893583	96.39	ng	0.00
78) Terphenyl-d14	20.01	244	1800949	98.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	59634	15.537	ng	# 69
50) 2,6-Dinitrotoluene	14.66	165	16445	7.421	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	16445	5.173	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	20214	5.024	ng	# 1
76) Benzidine	20.01	184	34352	3.235	ng	# 90

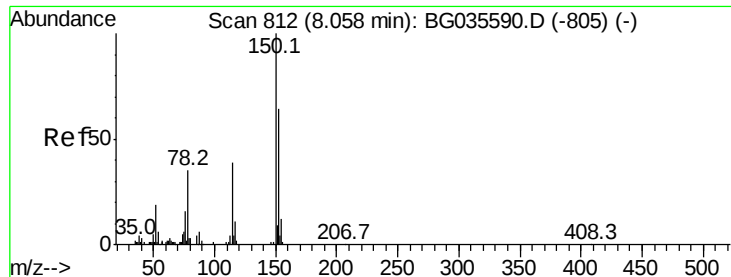
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration



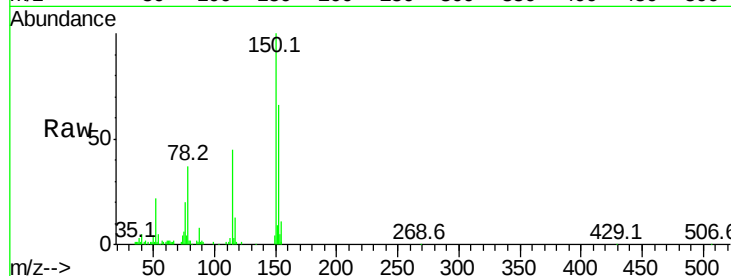


#1

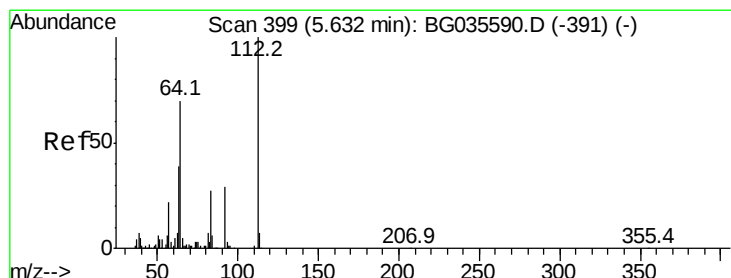
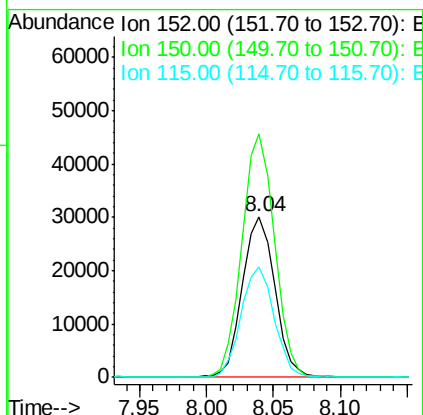
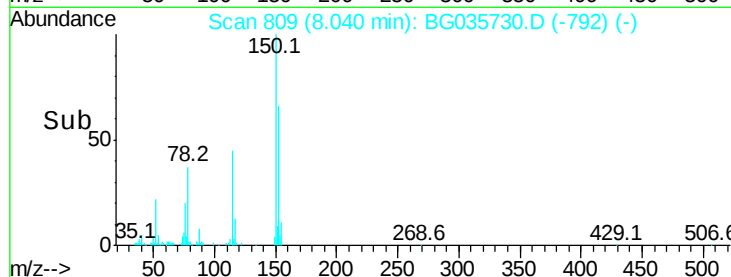
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035730.D
Acq: 18 Jul 2018 23:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50721
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 68.8 53.0 79.4



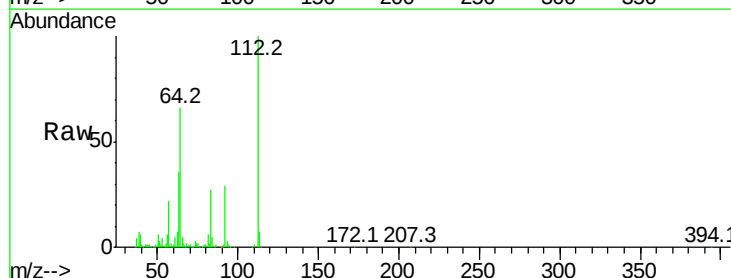
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



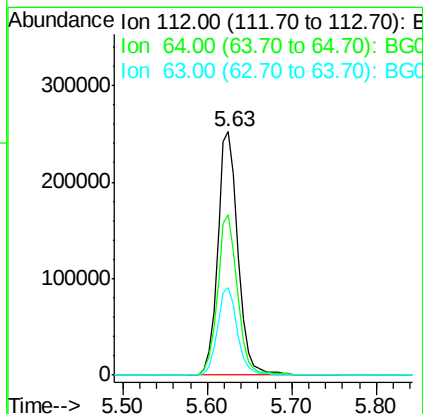
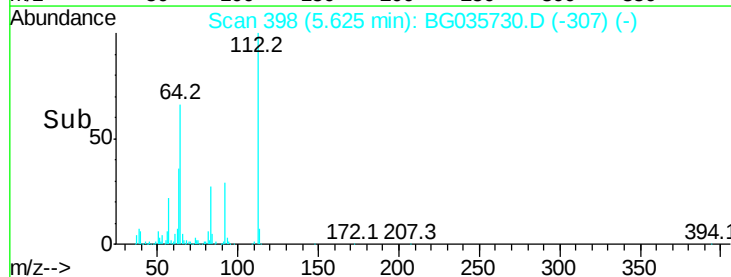
#5

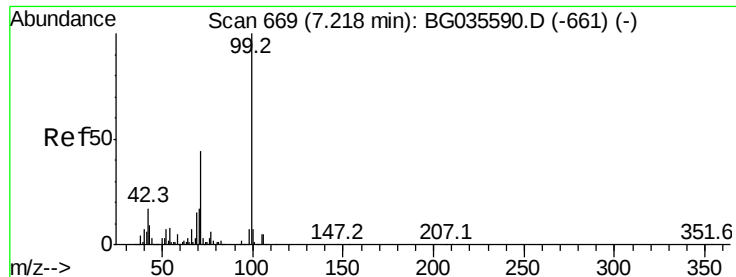
2-Fluorophenol
Concen: 137.916 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG035730.D
Acq: 18 Jul 2018 23:27

Tgt Ion:112 Resp: 421341
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 35.7 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: 118.416 ng

RT: 7.21 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

Instrument :

BNA_G

ClientSampled :

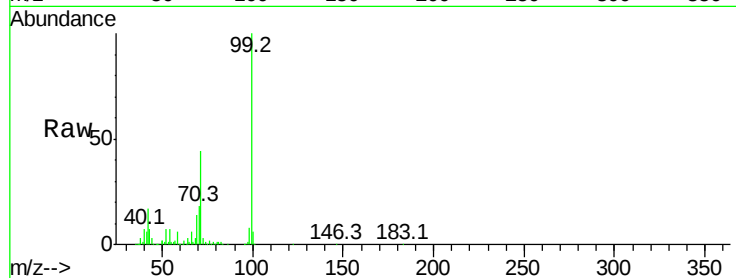
Tot Ion: 99 Resp: 539751

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

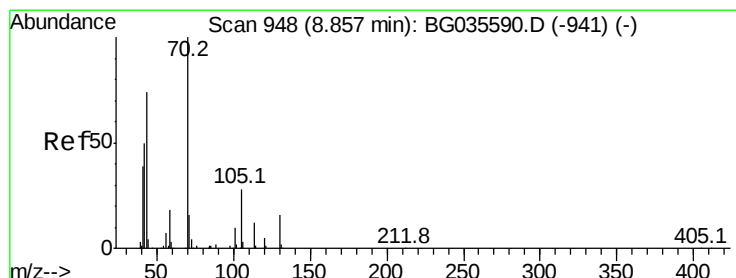
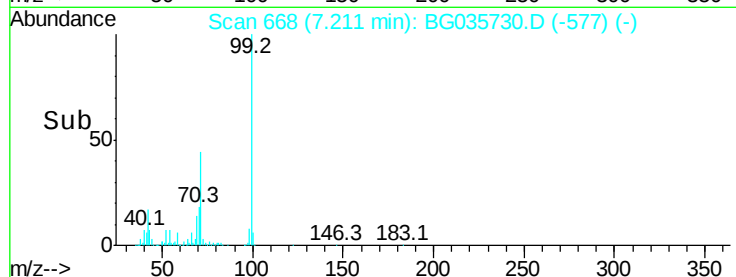
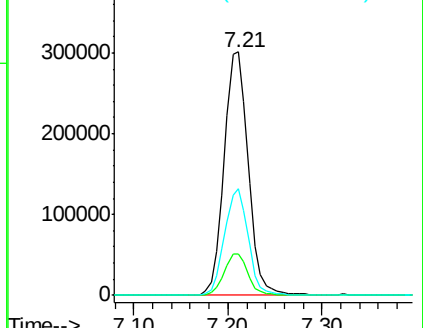
71 43.8 26.1 39.1#



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: 15.537 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

Tgt Ion: 70 Resp: 59634

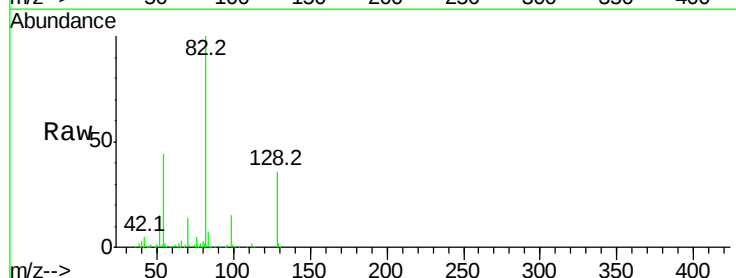
Ion Ratio Lower Upper

70 100

42 38.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

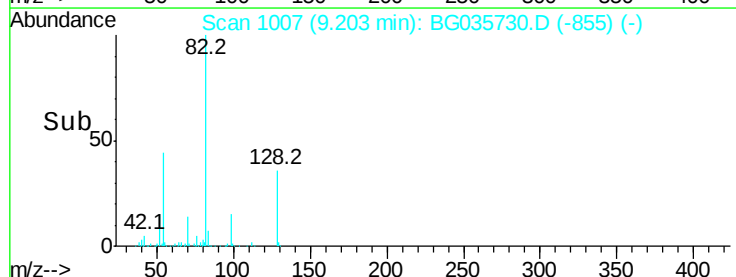
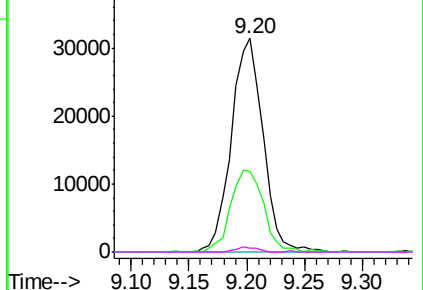


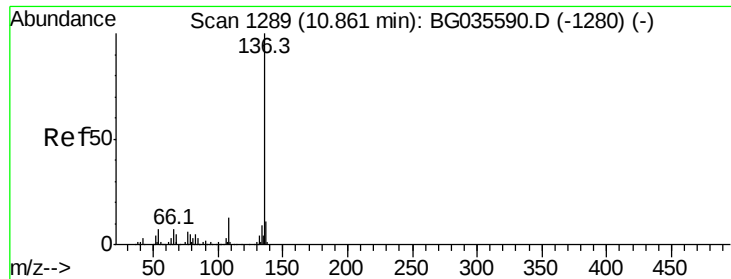
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

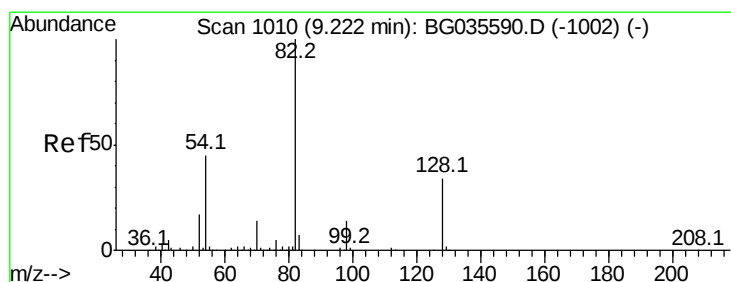
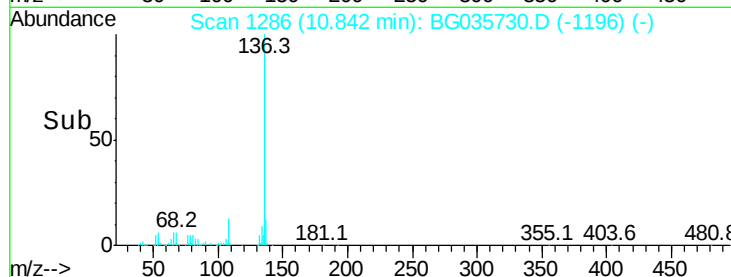
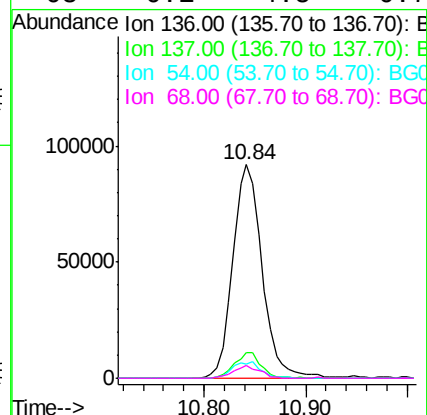
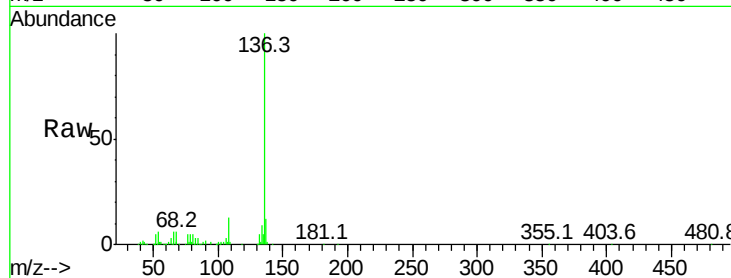




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035730.D
Acq: 18 Jul 2018 23:27

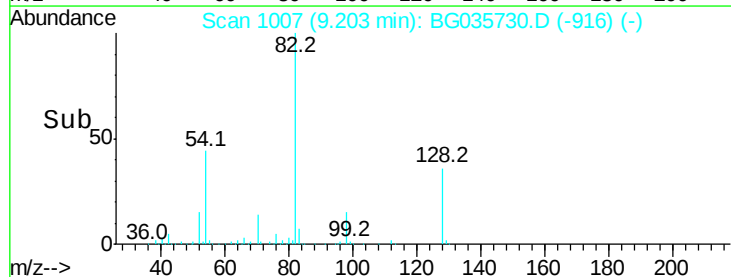
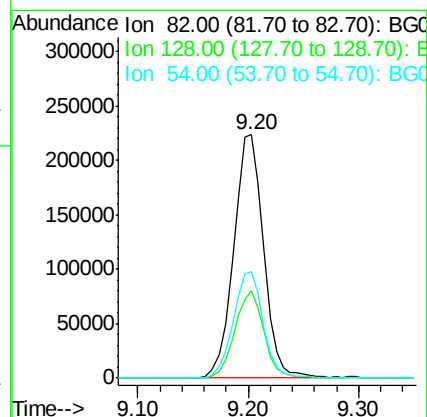
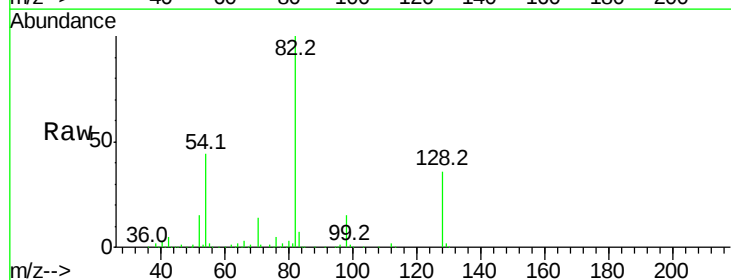
Instrument :
BNA_G
ClientSampled :

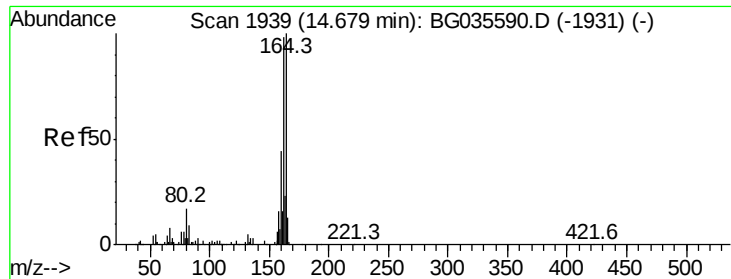
Tot Ion:	136	Resp:	184345
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	6.4	10.3	15.5#
68	6.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 96.157 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BG035730.D
Acq: 18 Jul 2018 23:27

Tgt Ion:	82	Resp:	424325
Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.7	44.5
54	43.8	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

Instrument :

BNA_G

ClientSampleId :

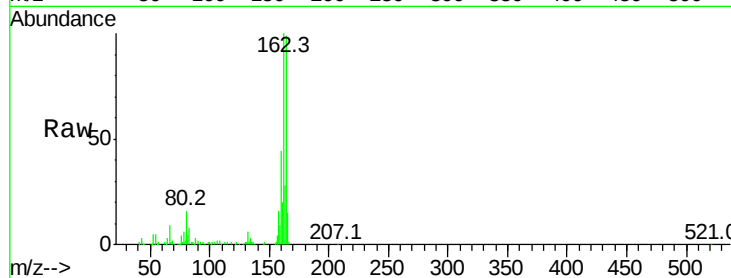
Tot Ion:164 Resp: 124198

Ion Ratio Lower Upper

164 100

162 101.1 78.8 118.2

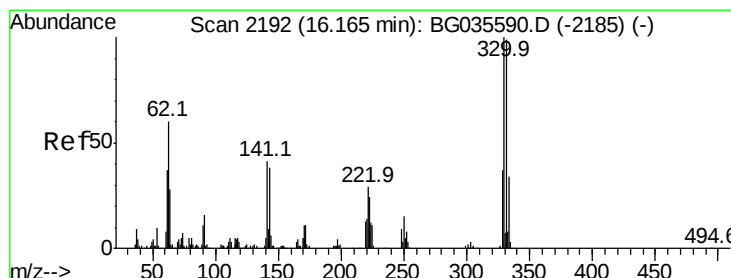
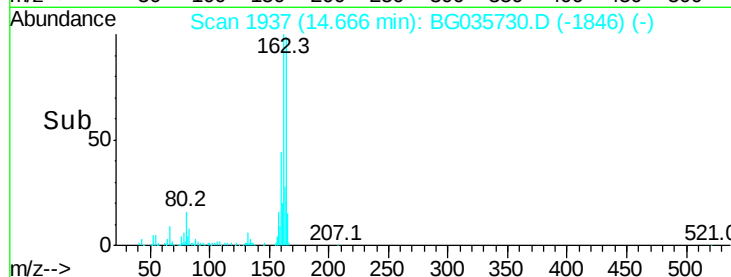
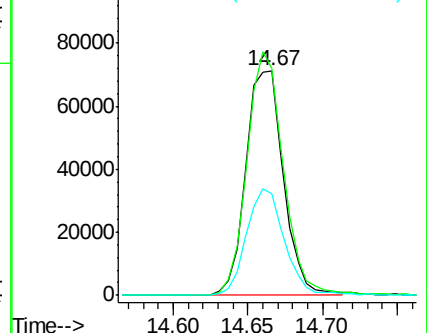
160 44.9 35.4 53.0



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: 148.178 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

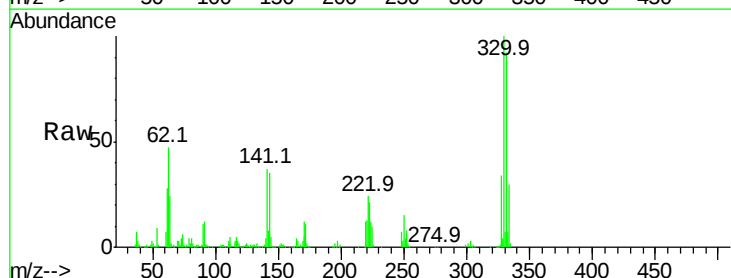
Tgt Ion:330 Resp: 242569

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

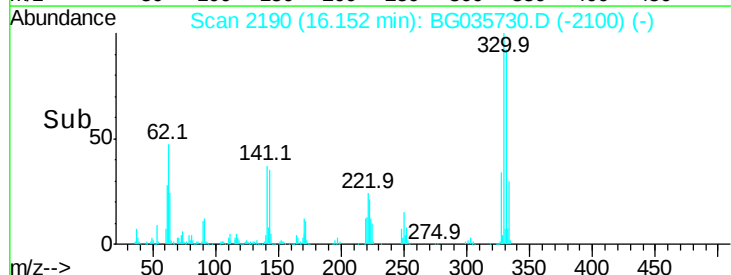
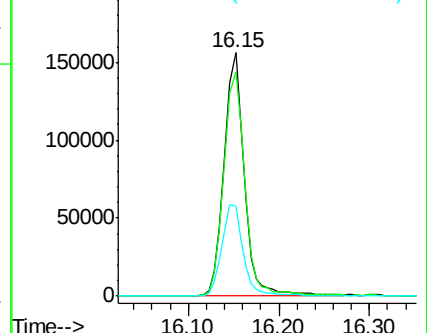
141 39.7 25.2 37.8#

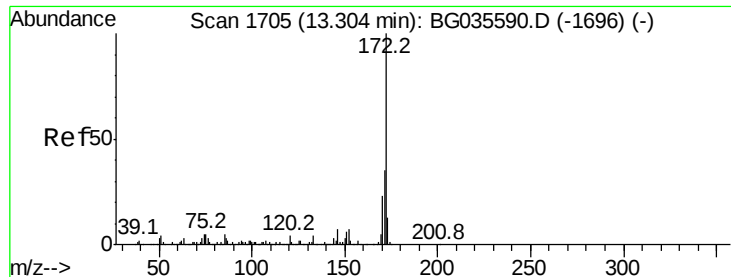


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

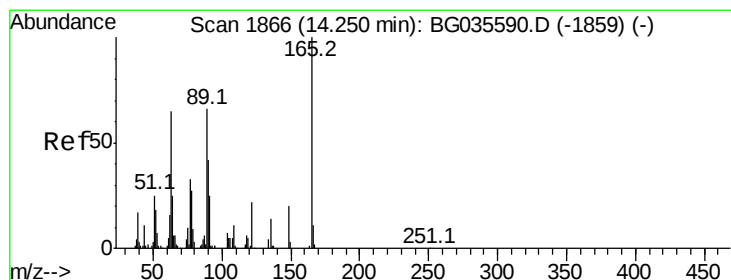
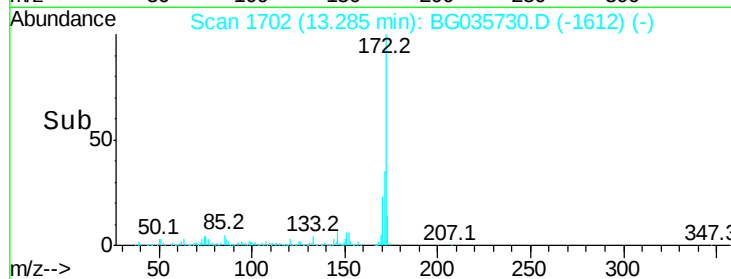
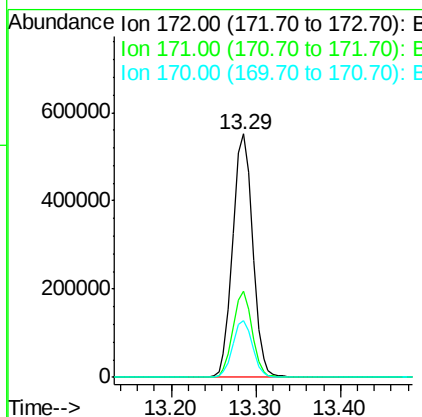
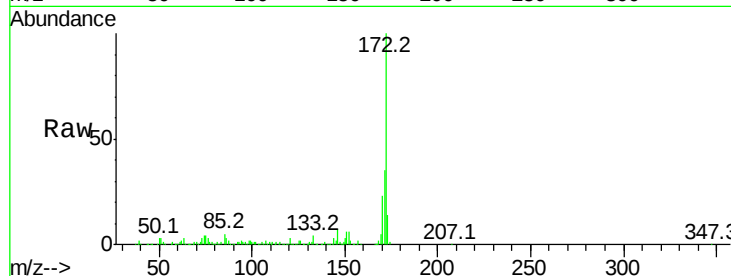




#44
 2-Fluorobiphenyl
 Concen: 96.392 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

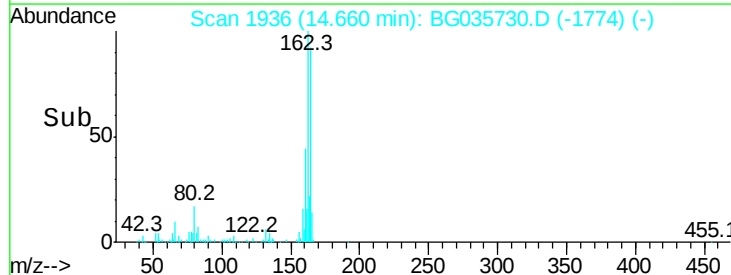
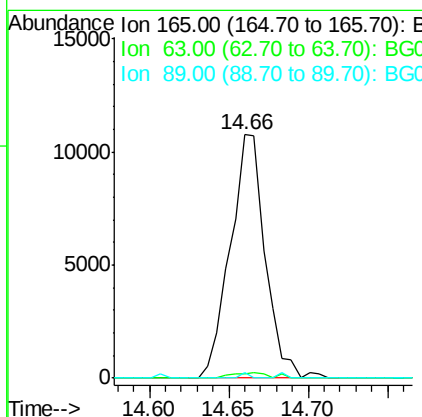
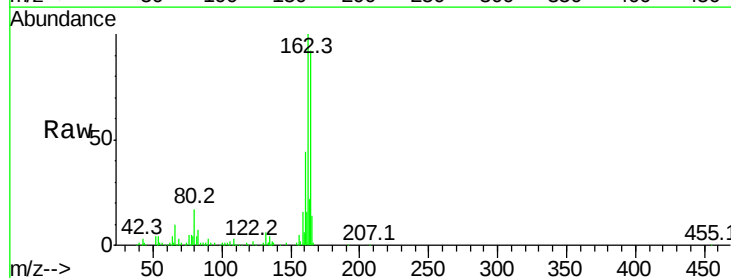
Instrument :
 BNA_G
 ClientSampleId :

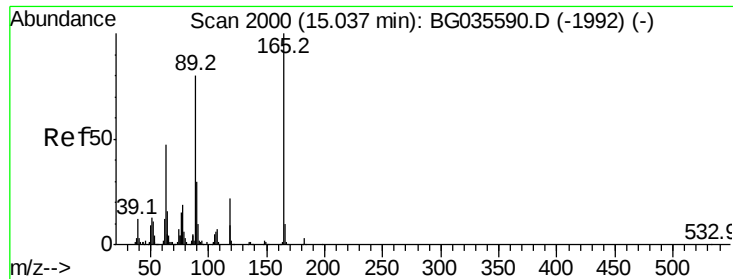
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	23.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.421 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	52.7	79.1#
89	2.4	49.2	73.8#

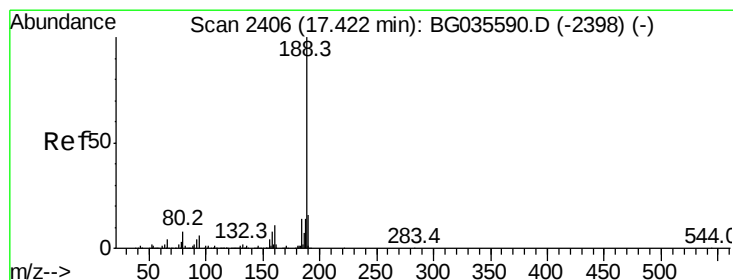
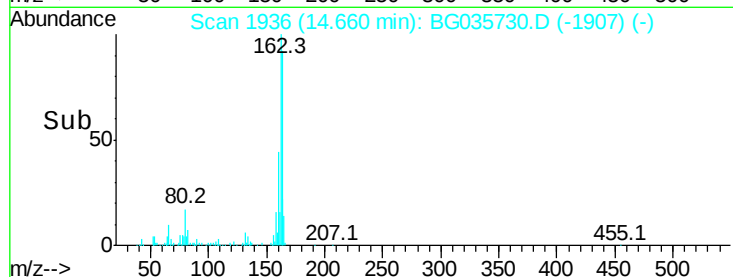
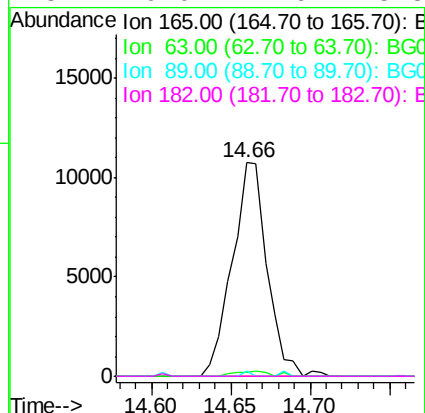
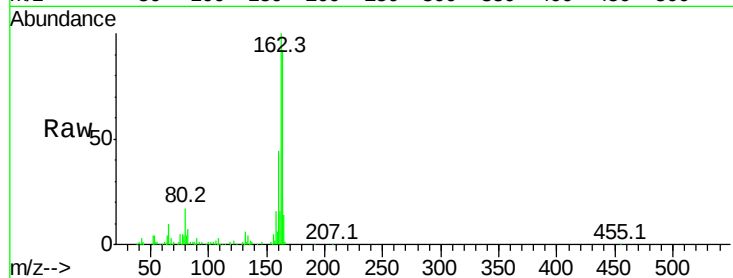




#56
 2,4-Dinitrotoluene
 Concen: 5.173 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.36 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

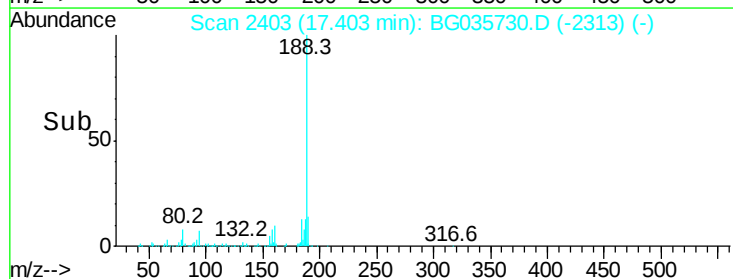
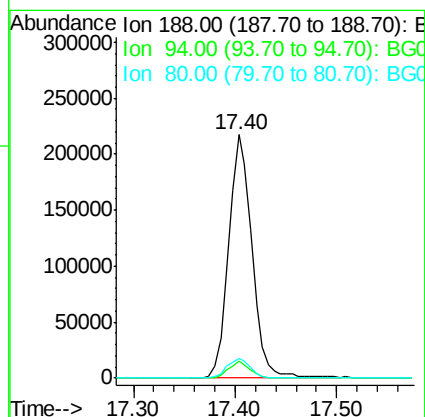
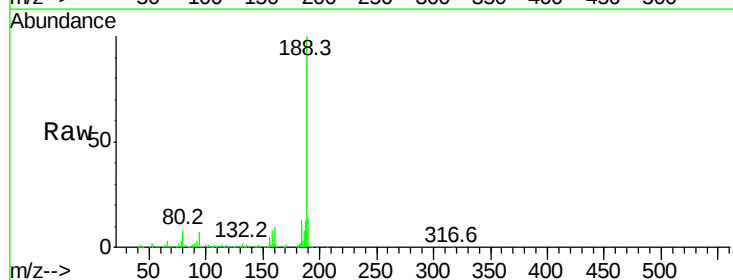
Instrument :
 BNA_G
 ClientSampleId :

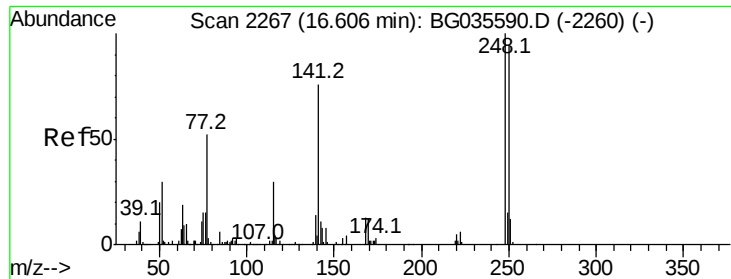
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	2.4	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.8	7.7	11.5

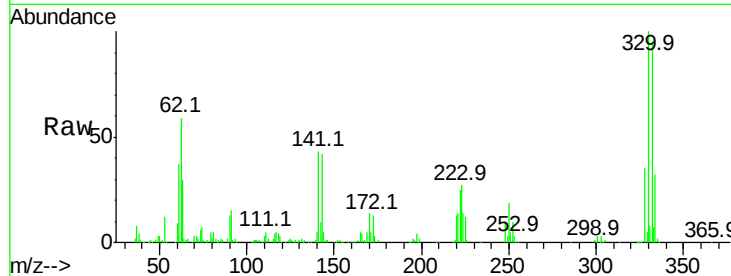




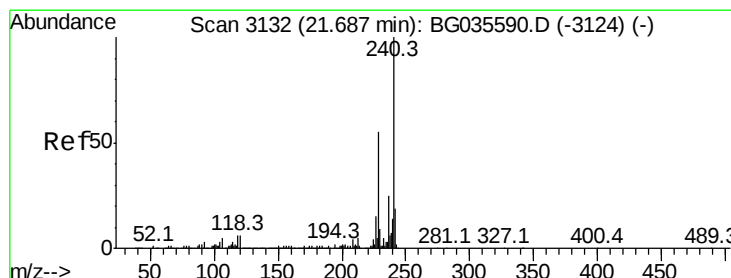
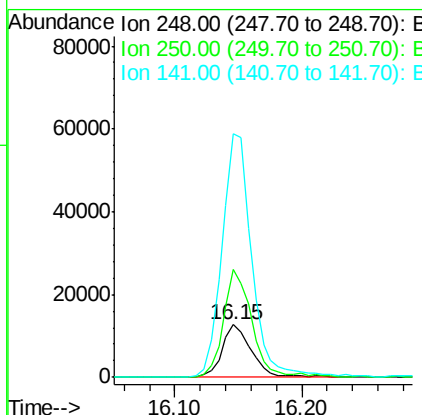
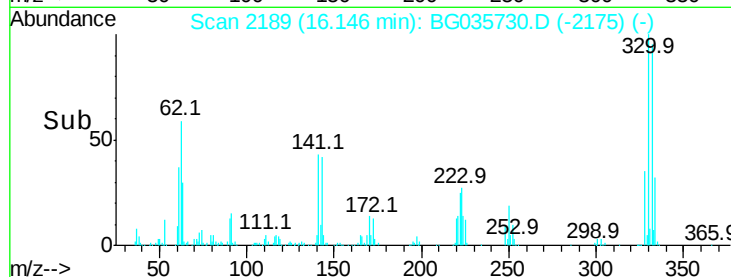
#66
 4-Bromophenyl-phenylether
 Concen: 5.024 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.45 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 20214
 Ion Ratio Lower Upper
 248 100
 250 206.1 77.1 115.7#
 141 465.3 50.8 76.2#

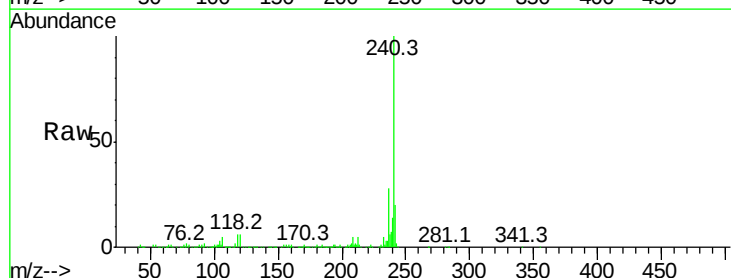


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

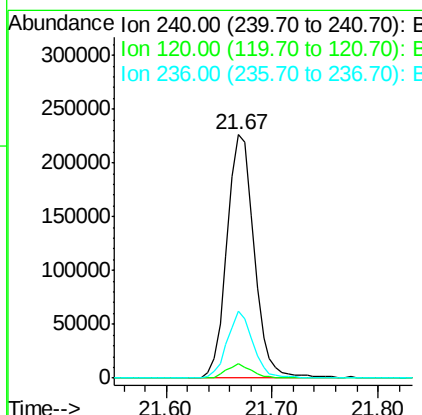
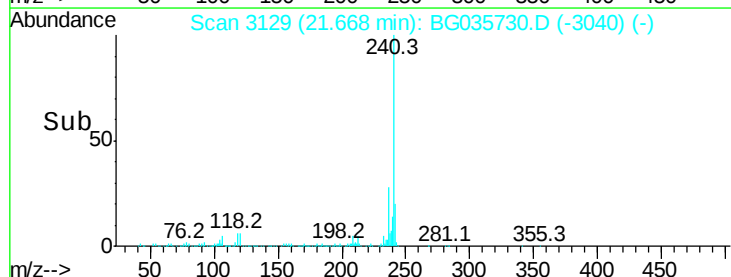


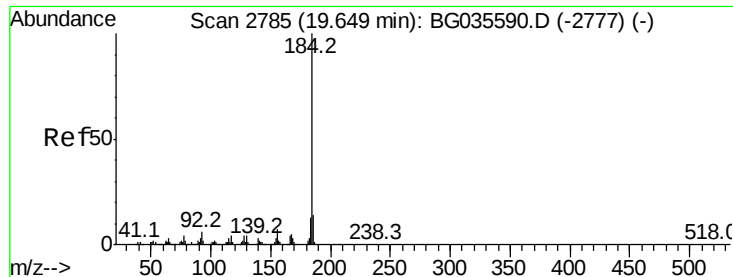
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

Tgt Ion:240 Resp: 403908
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 27.6 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: 3.235 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

Instrument :

BNA_G

ClientSampleId :

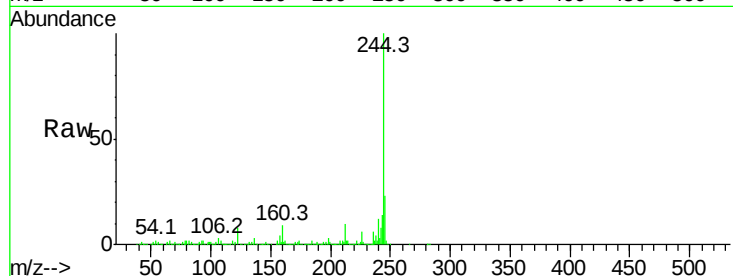
Tot Ion:184 Resp: 34352

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

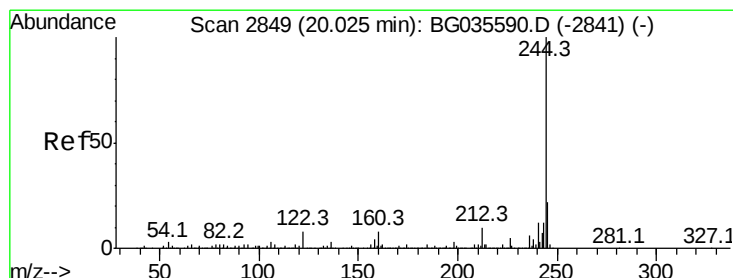
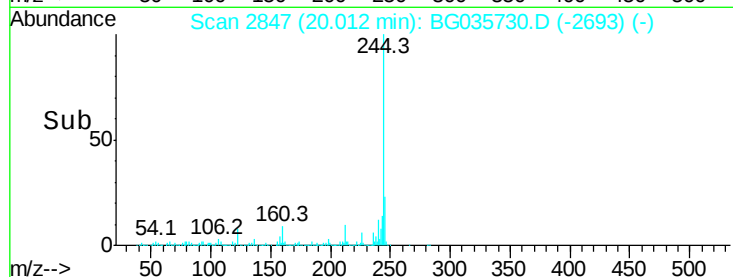
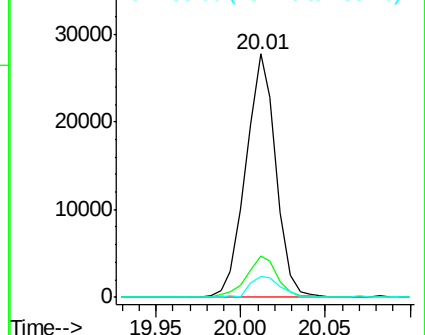
183 8.5 10.6 16.0#



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: 98.286 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG035730.D

Acq: 18 Jul 2018 23:27

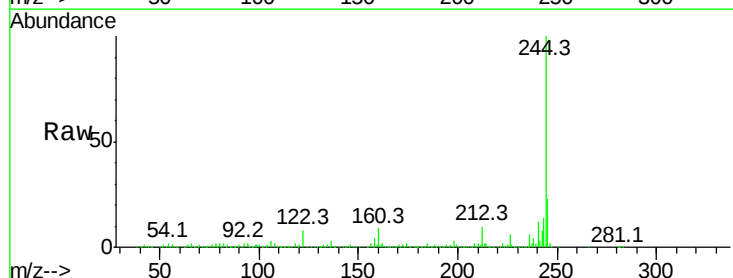
Tgt Ion:244 Resp: 1800949

Ion Ratio Lower Upper

244 100

212 10.4 5.8 8.8#

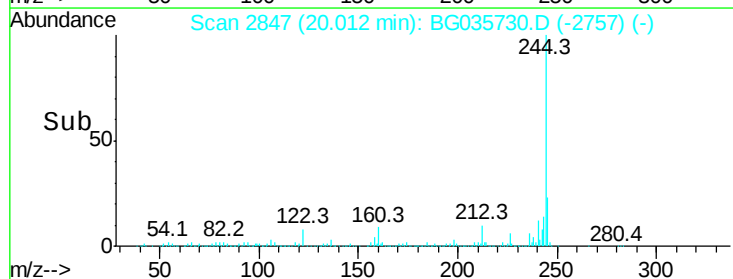
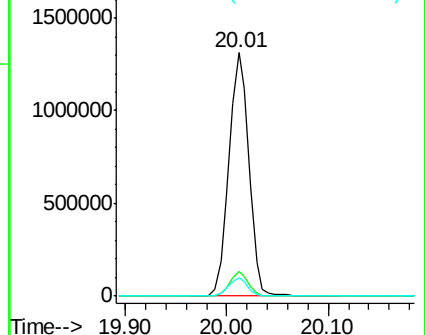
122 7.6 7.0 10.4

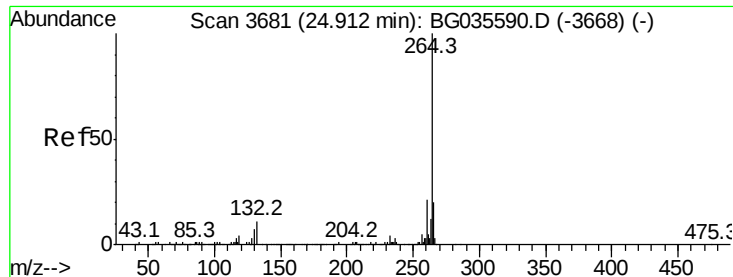


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

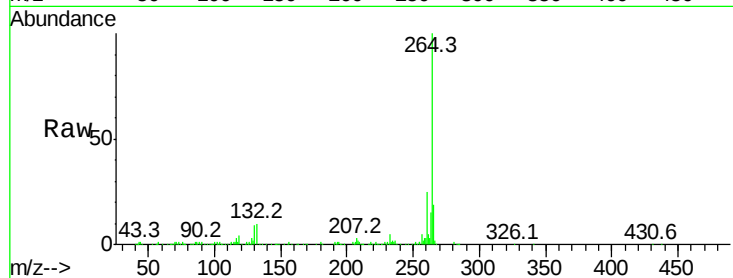




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3676
 Delta R.T. -0.00 min
 Lab File: BG035730.D
 Acq: 18 Jul 2018 23:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	19.0	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

