

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035726.D
 Acq On : 18 Jul 2018 20:51
 Operator : JU/SJ
 Sample : J4013-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:03:31 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

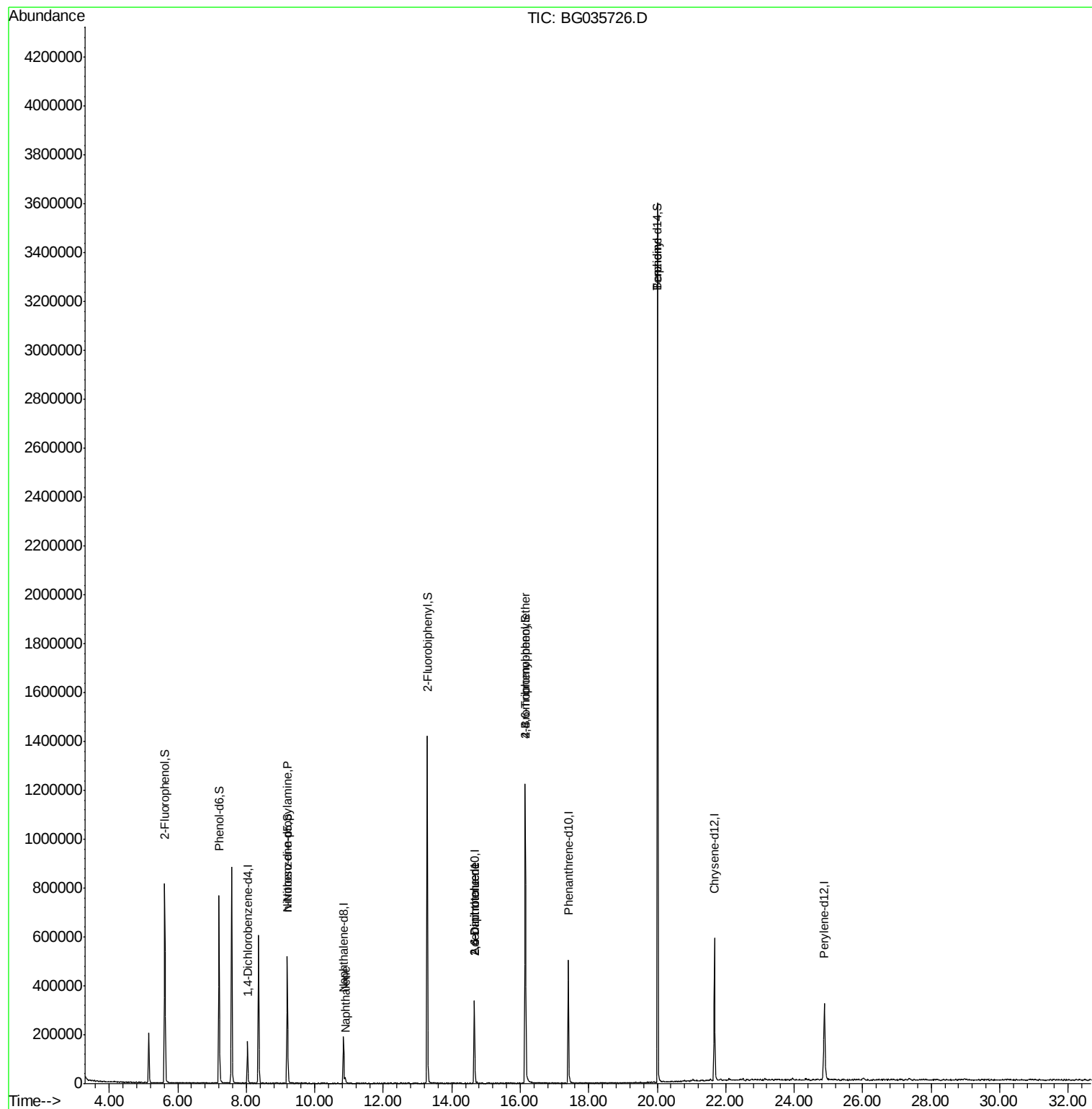
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46313	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	170007	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	120993	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	335000	20.00	ng	0.00
75) Chrysene-d12	21.67	240	386765	20.00	ng	0.00
86) Perylene-d12	24.88	264	361235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	357574	128.18	ng	0.00
7) Phenol-d6	7.21	99	457725	109.98	ng	0.00
23) Nitrobenzene-d5	9.20	82	360725	88.64	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	234045	146.76	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	783438	86.75	ng	0.00
78) Terphenyl-d14	20.01	244	1673052	95.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	50924	14.530	ng	Qvalue # 70
31) Naphthalene	10.89	128	19806	2.236	ng	# 94
50) 2,6-Dinitrotoluene	14.66	165	15913	7.372	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	15913	5.138	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	19443	5.003	ng	# 1
76) Benzidine	20.01	184	29132	2.865	ng	# 96

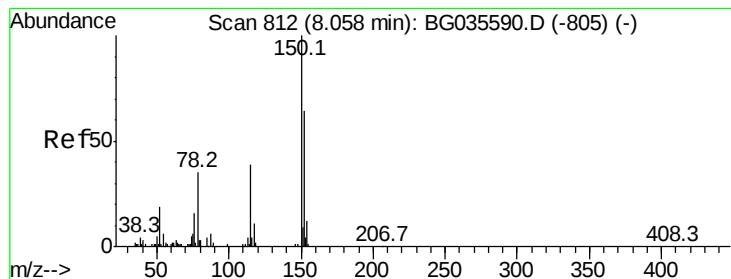
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



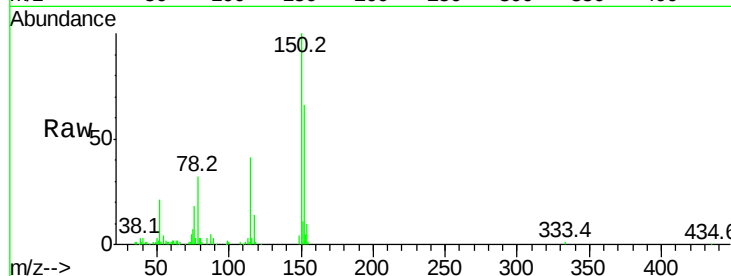


#1

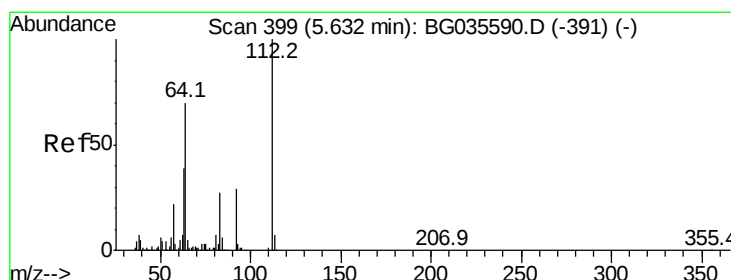
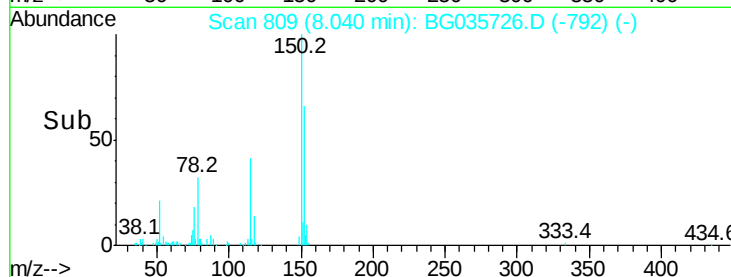
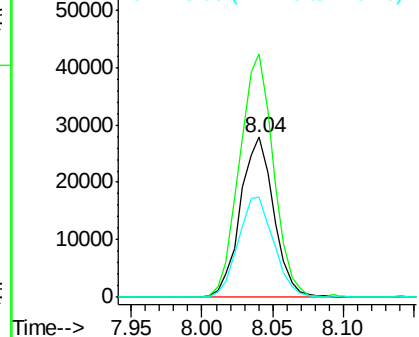
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 46313
Ion Ratio Lower Upper
152 100
150 152.2 126.6 189.8
115 62.3 53.0 79.4



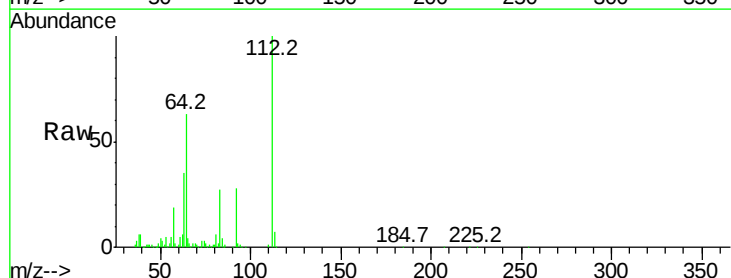
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



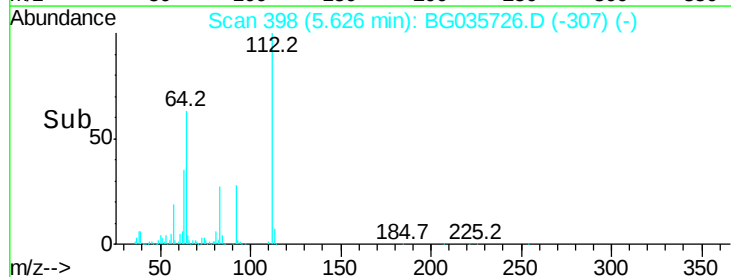
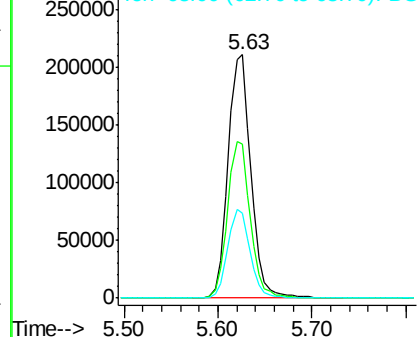
#5

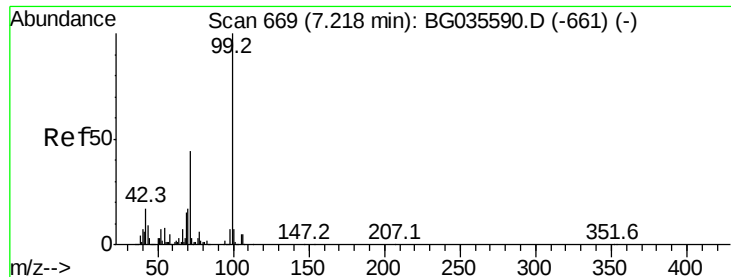
2-Fluorophenol
Concen: 128.184 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.01 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

Tgt Ion:112 Resp: 357574
Ion Ratio Lower Upper
112 100
64 63.4 56.3 84.5
63 34.7 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: 109.978 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035726.D

Acq: 18 Jul 2018 20:51

Instrument :

BNA_G

ClientSampleId :

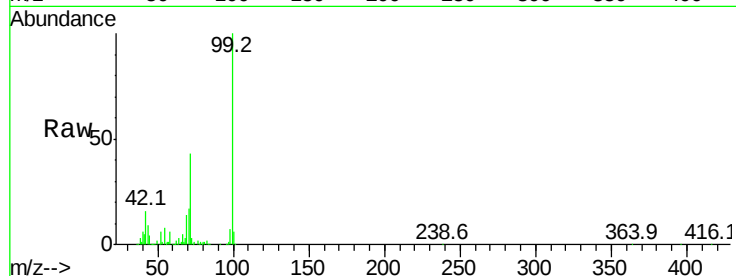
Tot Ion: 99 Resp: 457725

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

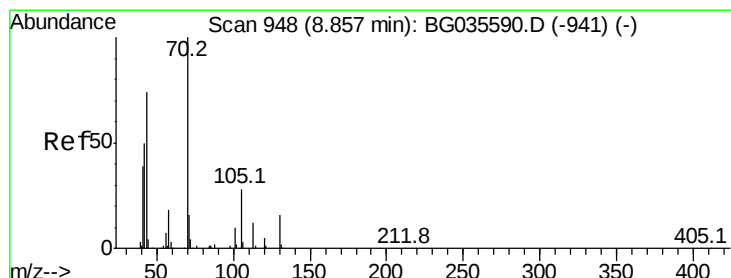
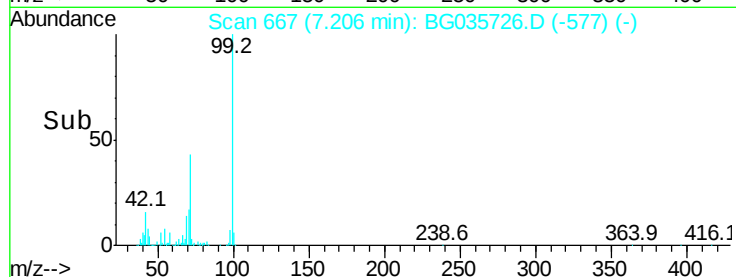
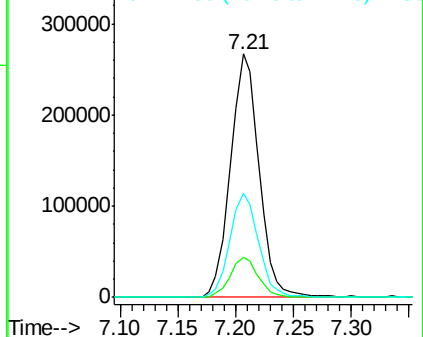
71 42.7 26.1 39.1#



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: 14.530 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035726.D

Acq: 18 Jul 2018 20:51

Tgt Ion: 70 Resp: 50924

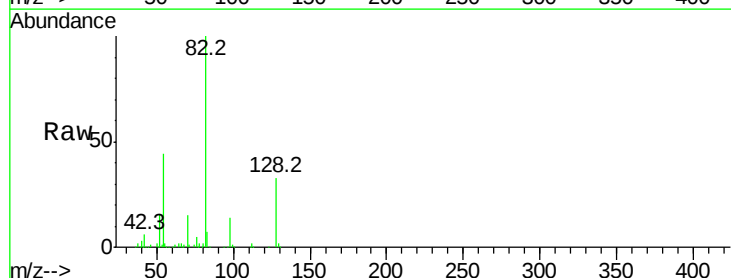
Ion Ratio Lower Upper

70 100

42 40.2 49.1 73.7#

101 0.0 8.5 12.7#

130 0.8 13.4 20.0#

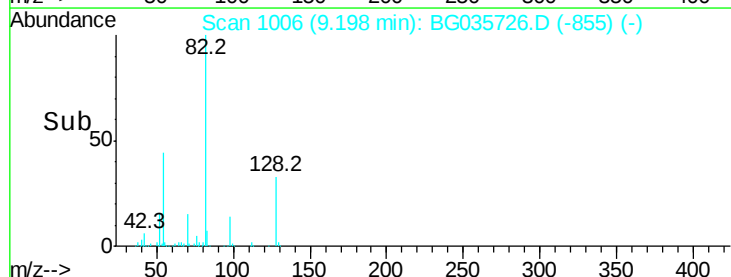
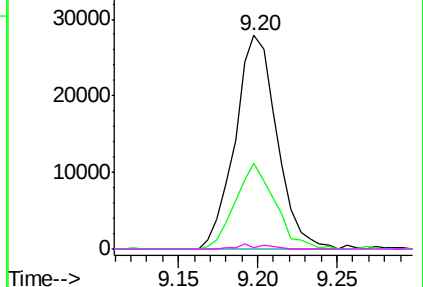


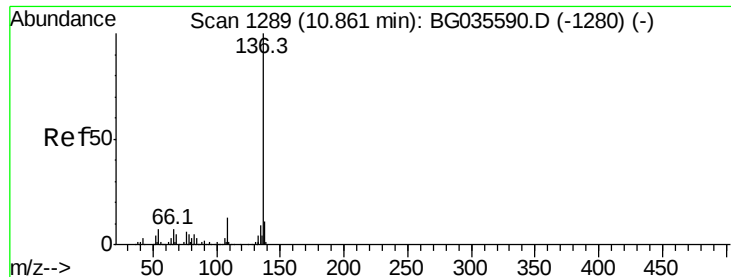
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

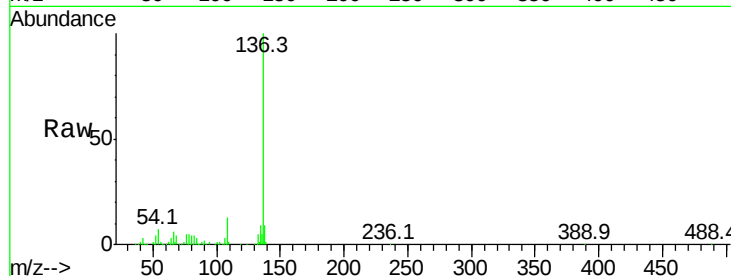




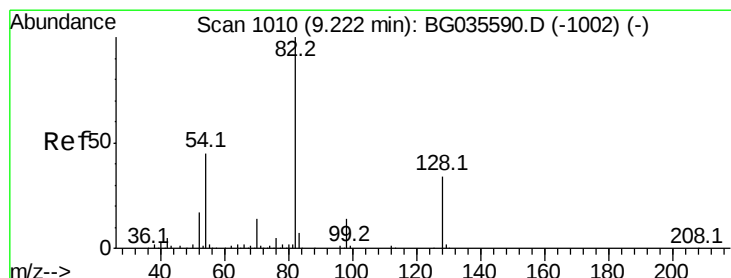
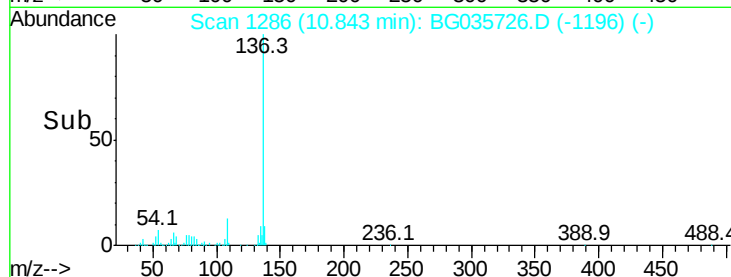
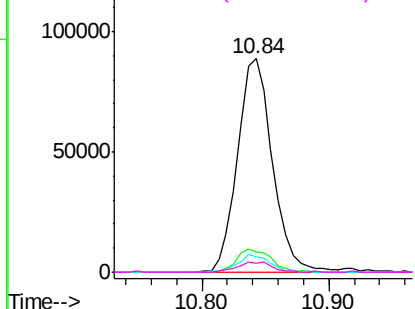
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	170007
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	7.0	10.3	15.5#
68	4.3	4.5	6.7#

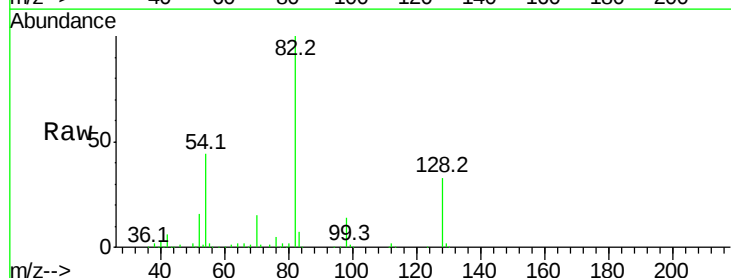


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

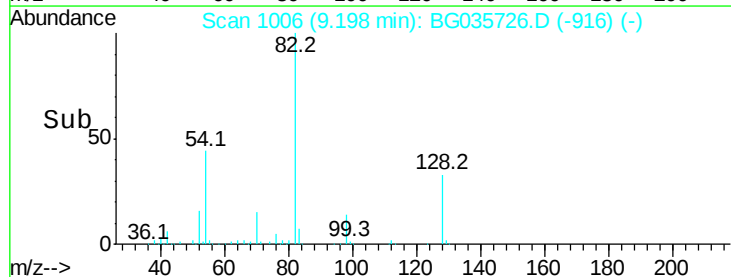
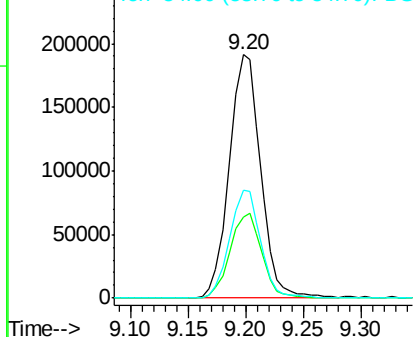


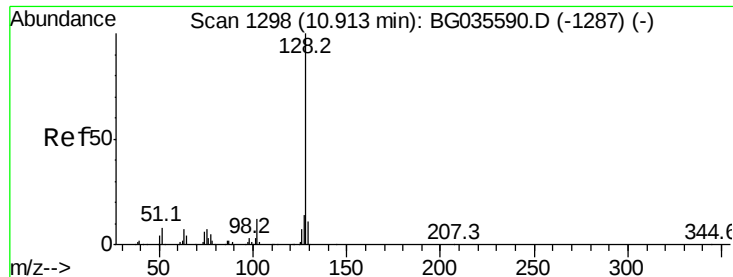
#23
Nitrobenzene-d5
Concen: 88.639 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

Tgt Ion:	82	Resp:	360725
Ion	Ratio	Lower	Upper
82	100		
128	33.5	29.7	44.5
54	44.4	43.1	64.7



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

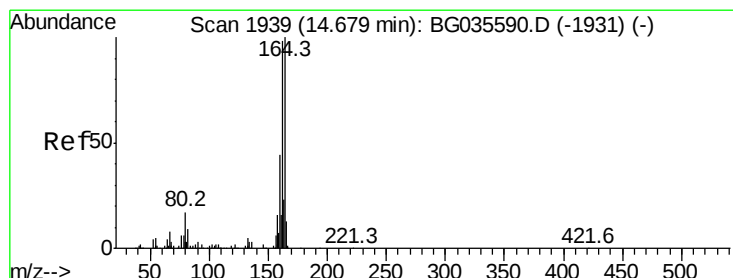
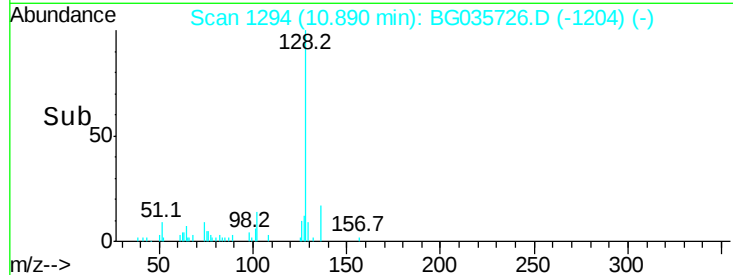
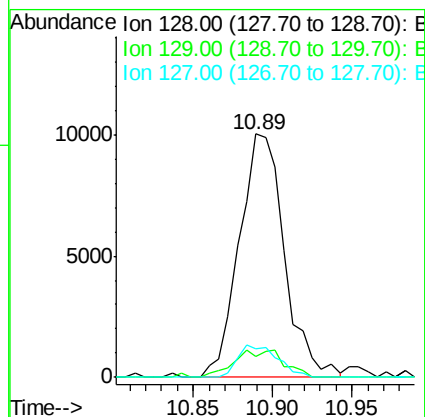
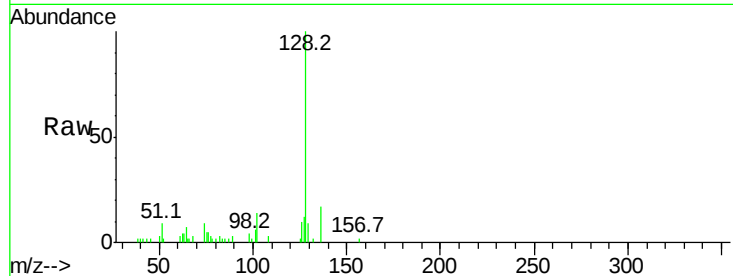




#31
Naphthalene
Concen: 2.236 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

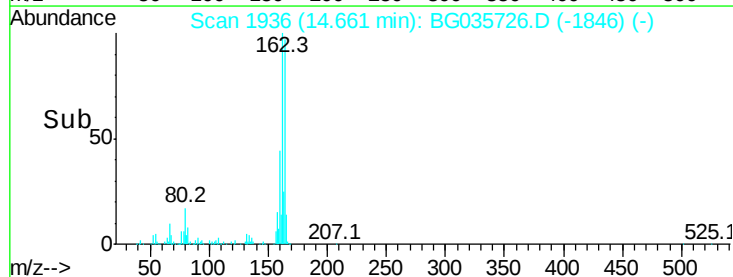
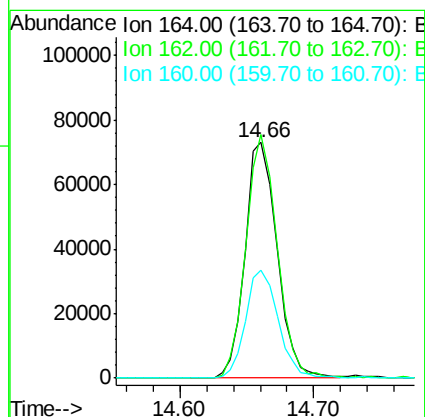
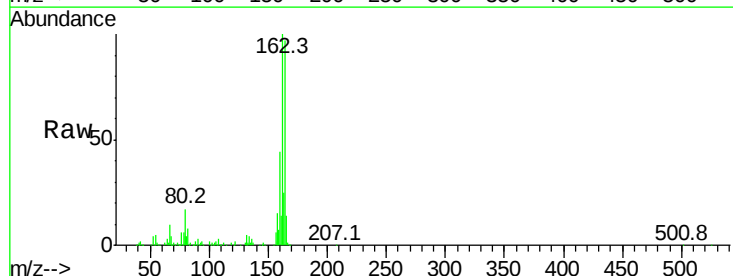
Instrument :
BNA_G
ClientSampled :

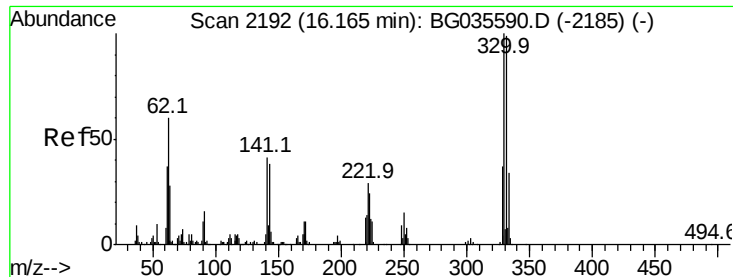
Tot Ion	Ratio	Lower	Upper
128	100		
129	8.6	8.6	12.8
127	11.6	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BG035726.D
Acq: 18 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	78.8	118.2
160	45.7	35.4	53.0

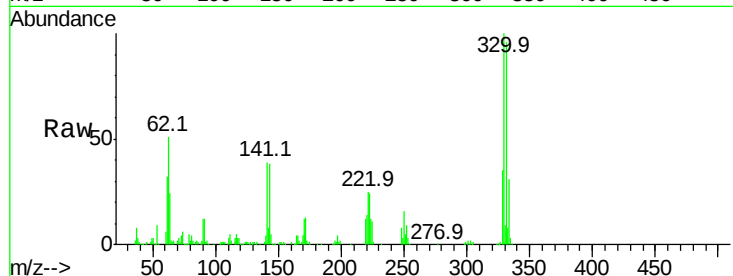




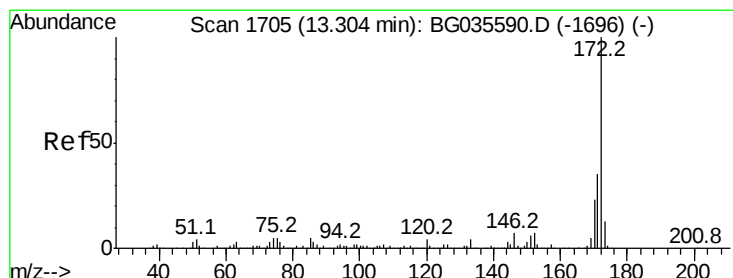
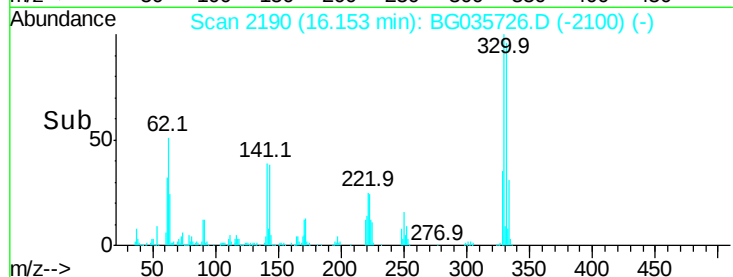
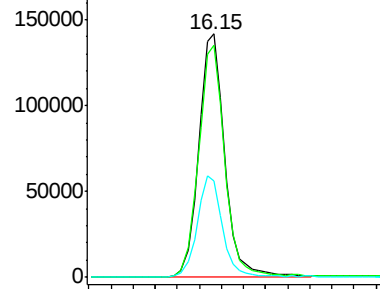
#41
 2,4,6-Tribromophenol
 Concen: 146.758 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	40.2	25.2	37.8#

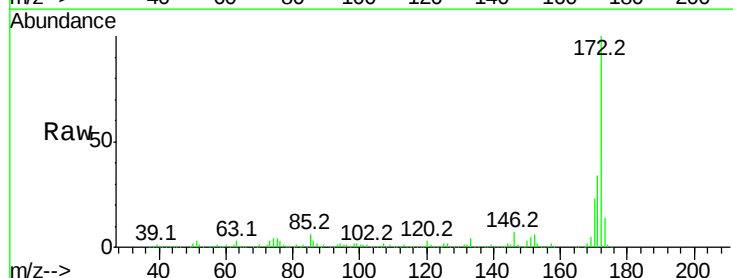


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

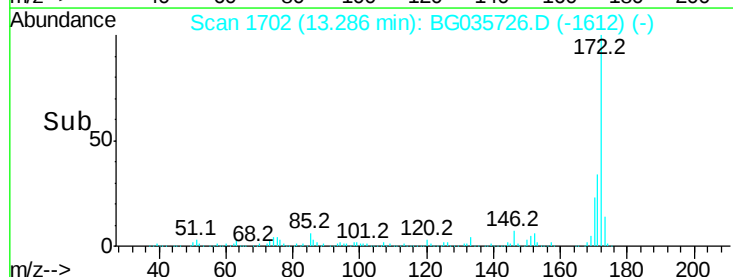
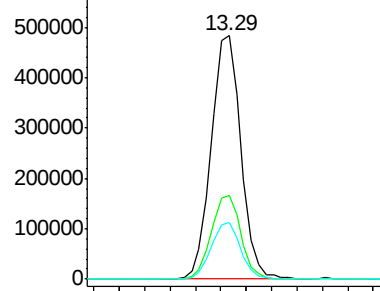


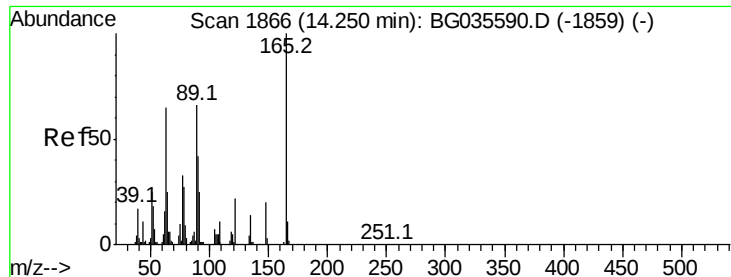
#44
 2-Fluorobiphenyl
 Concen: 86.749 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.0	45.0
170	23.2	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

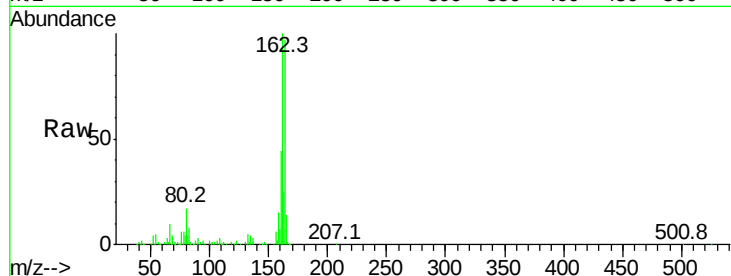




#50
 2,6-Dinitrotoluene
 Concen: 7.372 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

Instrument :
 BNA_G
 ClientSampled :

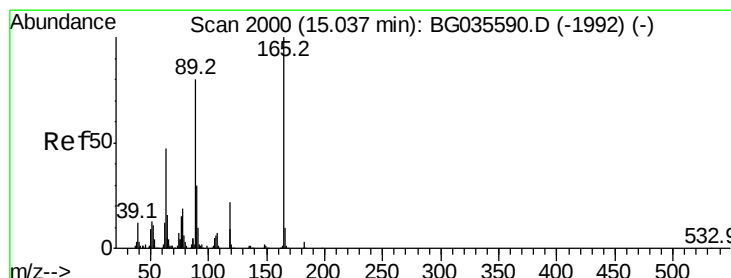
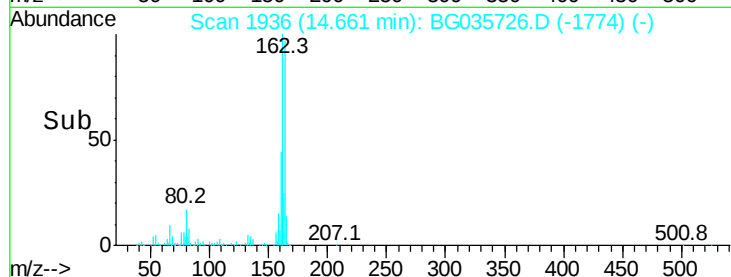
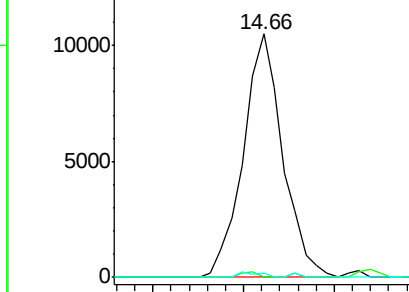
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.9	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

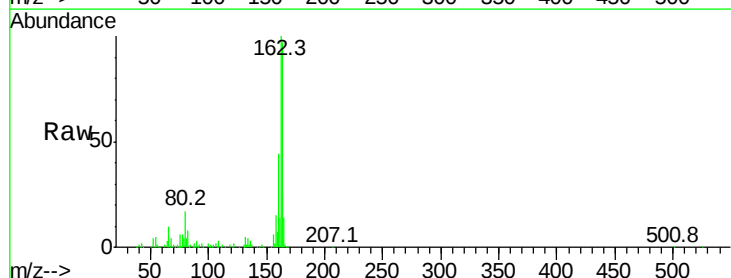
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 2,4-Dinitrotoluene
 Concen: 5.138 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.36 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

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

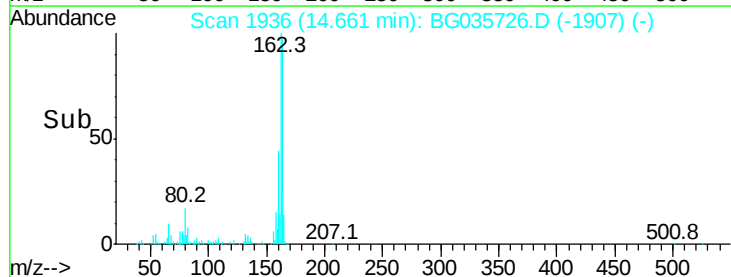
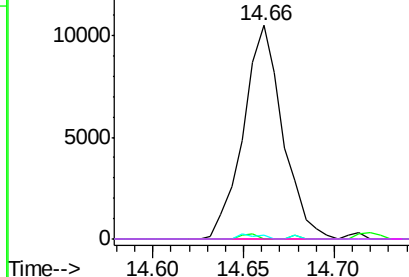


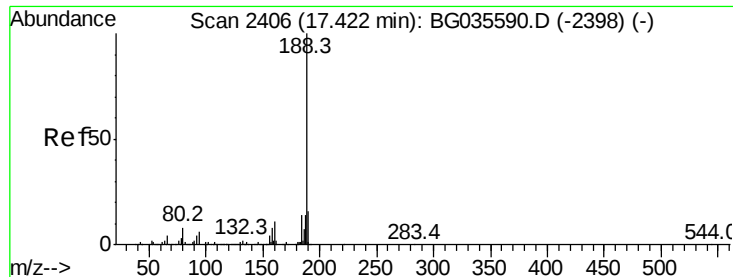
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG035726.D

Acq: 18 Jul 2018 20:51

Instrument :

BNA_G

ClientSampled :

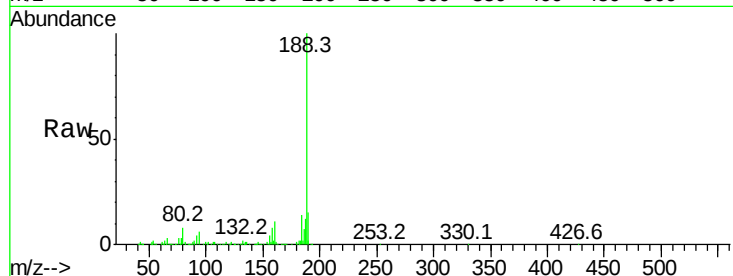
Tot Ion:188 Resp: 335000

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

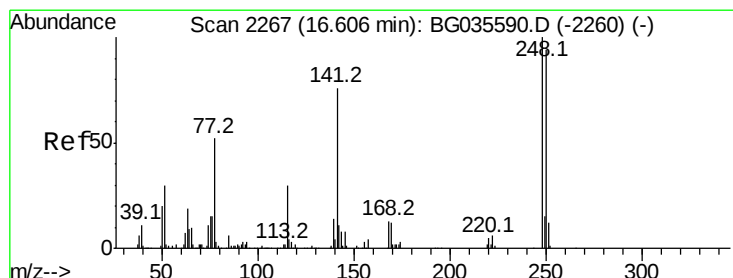
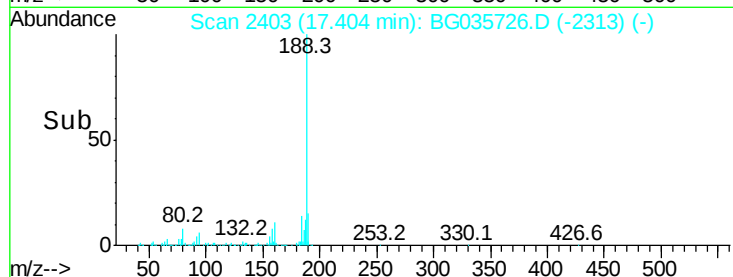
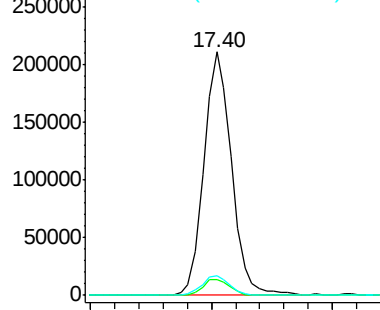
80 7.9 7.7 11.5



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: 5.003 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.44 min

Lab File: BG035726.D

Acq: 18 Jul 2018 20:51

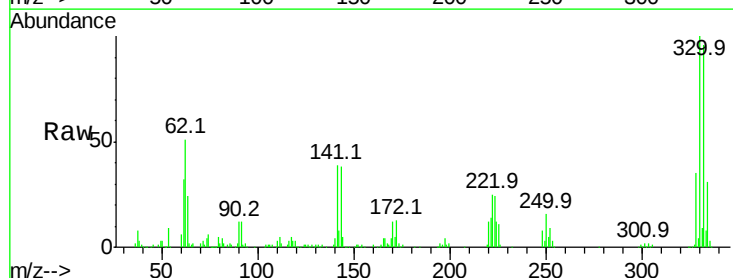
Tgt Ion:248 Resp: 19443

Ion Ratio Lower Upper

248 100

250 195.7 77.1 115.7#

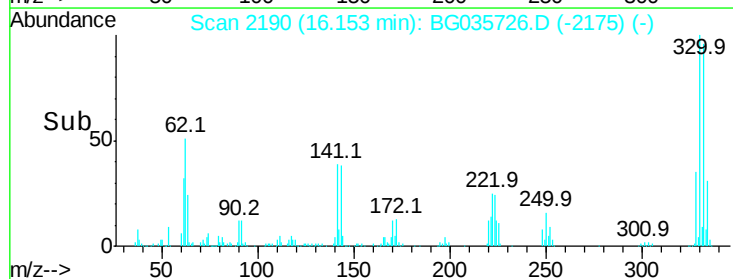
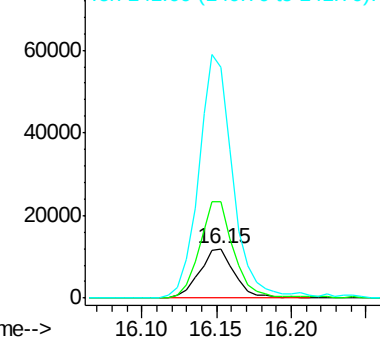
141 468.4 50.8 76.2#

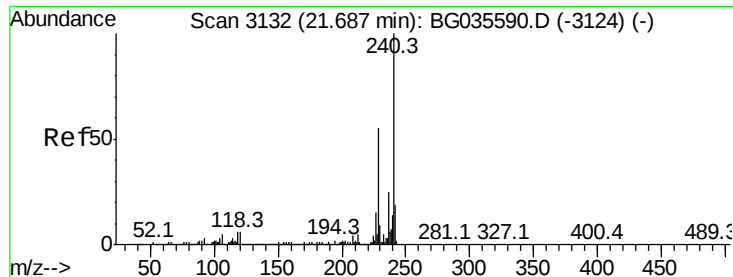


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG035726.D

Acq: 18 Jul 2018 20:51

Instrument :

BNA_G

ClientSampleId :

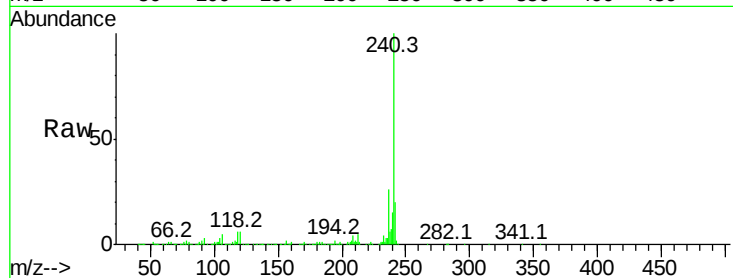
Tot Ion:240 Resp: 386765

Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.8	10.2#
236	25.7	20.9	31.3

240 100

120 6.5 6.8 10.2#

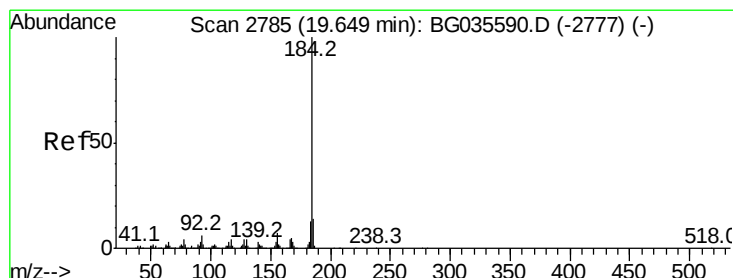
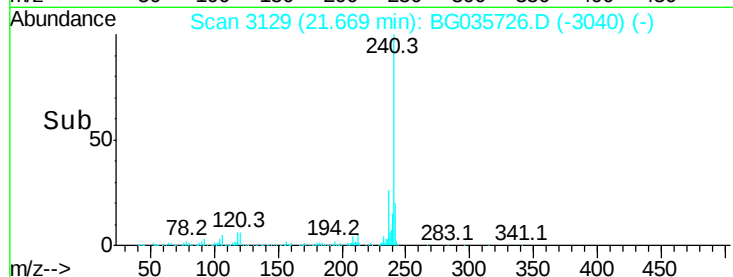
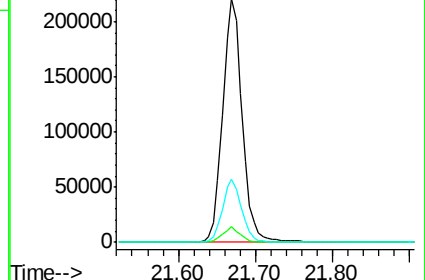
236 25.7 20.9 31.3



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: 2.865 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035726.D

Acq: 18 Jul 2018 20:51

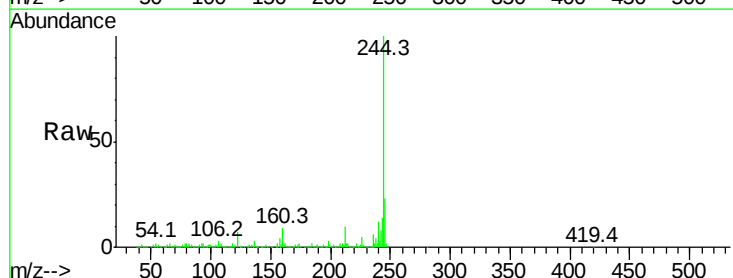
Tgt Ion:184 Resp: 29132

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.1	16.7
183	10.4	10.6	16.0#

184 100

185 14.6 11.1 16.7

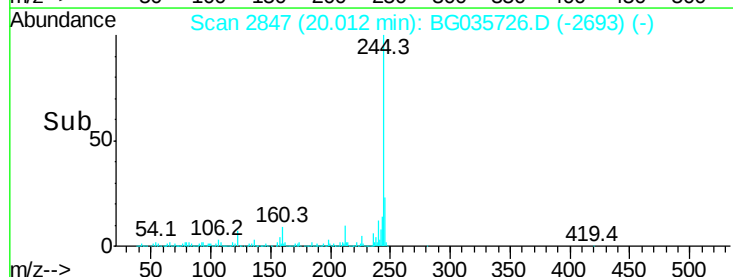
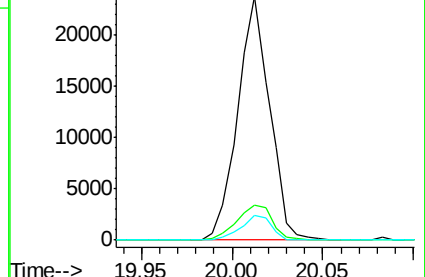
183 10.4 10.6 16.0#

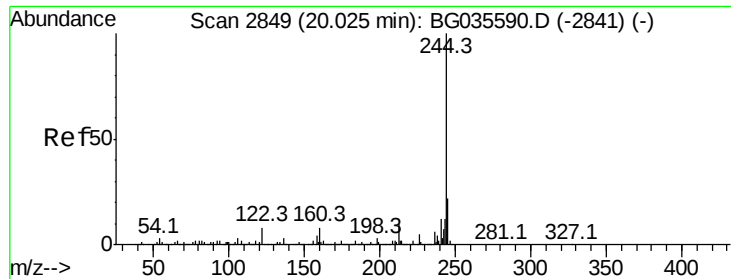


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

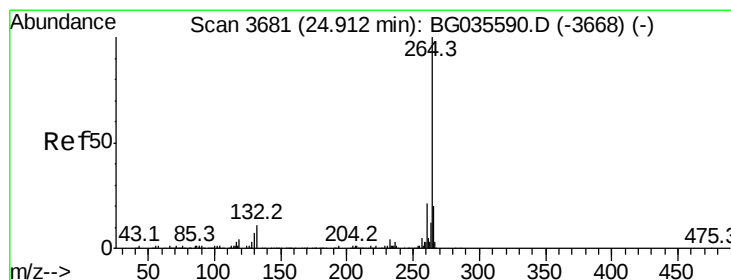
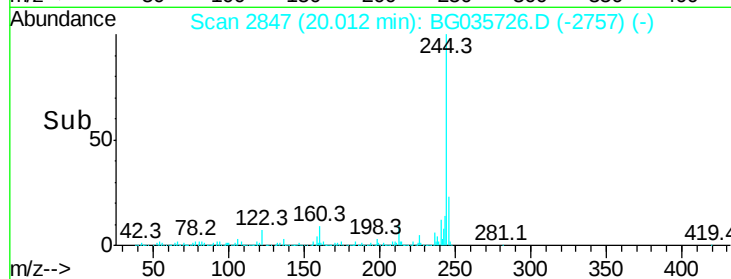
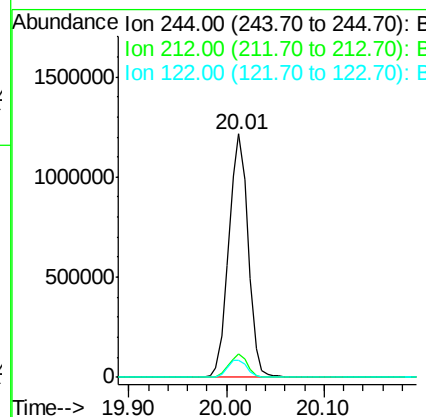
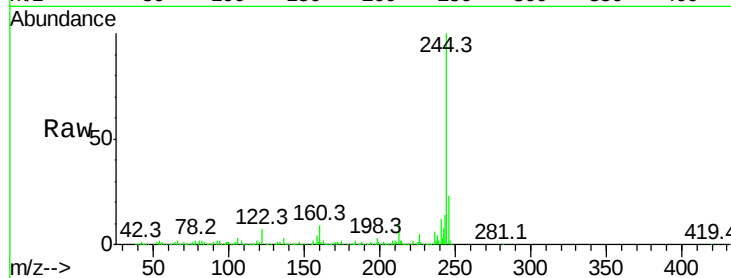




#78
 Terphenyl-d14
 Concen: 95.353 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1673052
 Ion Ratio Lower Upper
 244 100
 212 9.7 5.8 8.8#
 122 7.1 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3676
 Delta R.T. -0.00 min
 Lab File: BG035726.D
 Acq: 18 Jul 2018 20:51

Tgt Ion:264 Resp: 361235
 Ion Ratio Lower Upper
 264 100
 260 24.1 17.4 26.0
 265 21.4 17.7 26.5

