

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072518\
 Data File : BG035906.D
 Acq On : 26 Jul 2018 12:42
 Operator : JU/SJ
 Sample : J3821-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-B

Quant Time: Jul 26 13:49:14 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 25 11:04:14 2018
 Response via : Initial Calibration

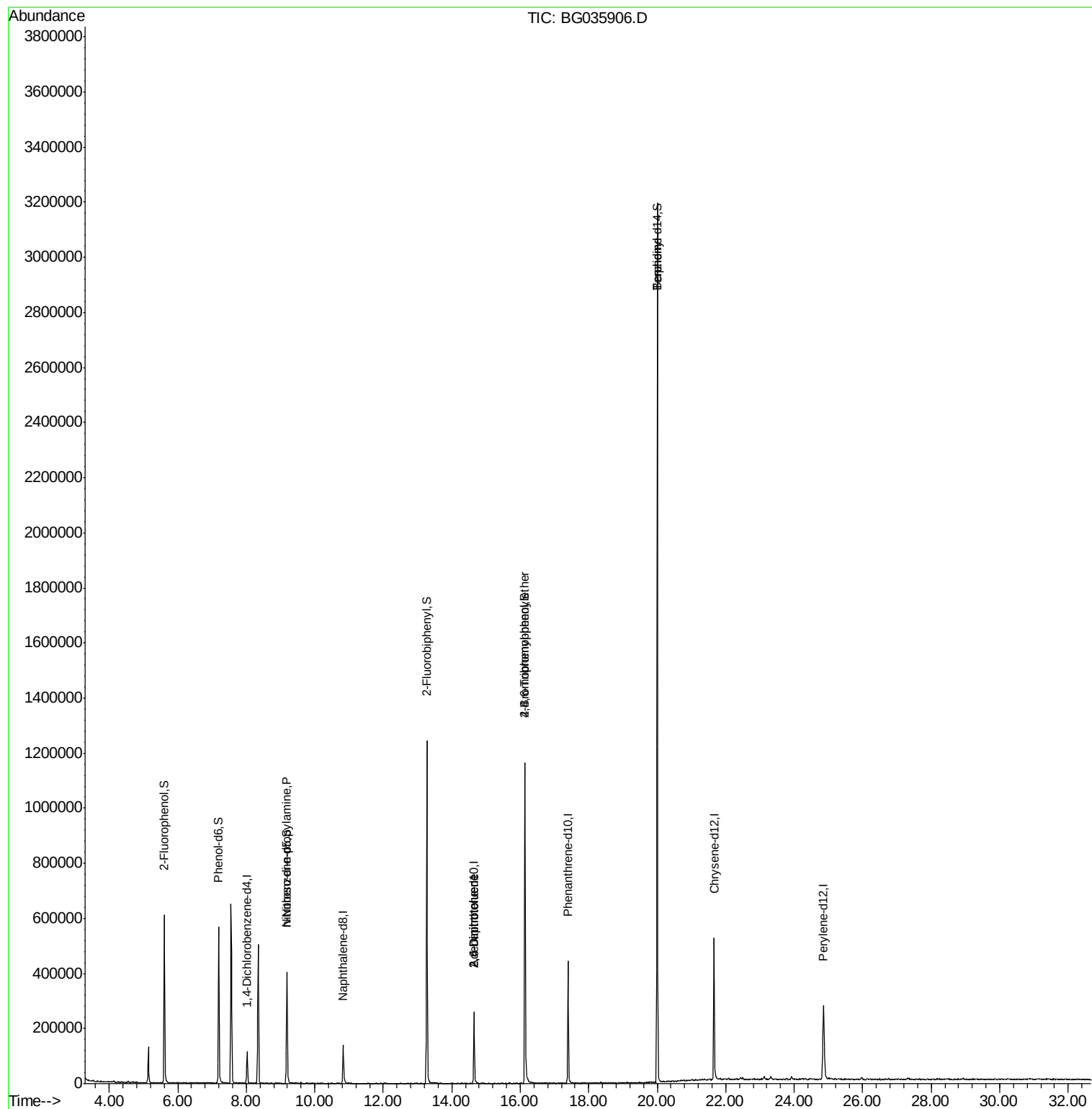
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33720	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	128697	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	99900	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	311493	20.00	ng	0.00
75) Chrysene-d12	21.66	240	343493	20.00	ng	0.00
86) Perylene-d12	24.85	264	318537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	273605	134.71	ng	0.00
7) Phenol-d6	7.19	99	358107	118.18	ng	0.00
23) Nitrobenzene-d5	9.19	82	285259	92.59	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	239321	181.75	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	708847	95.06	ng	0.00
78) Terphenyl-d14	20.00	244	1524294	97.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	38376	15.039	ng	# 70
50) 2,6-Dinitrotoluene	14.65	165	13669	7.669	ng	# 18
56) 2,4-Dinitrotoluene	14.65	165	13669	5.346	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	18840	5.213	ng	# 1
76) Benzidine	20.00	184	26743	2.961	ng	# 93

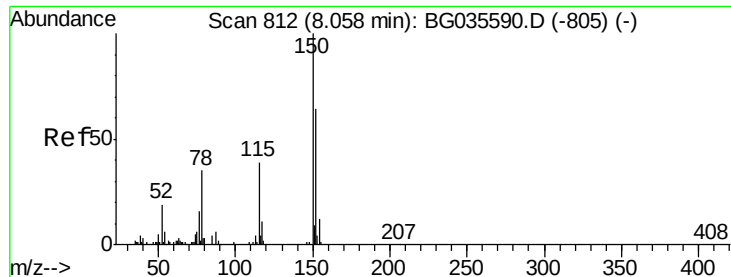
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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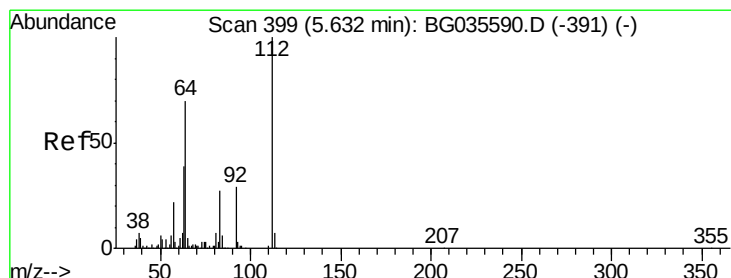
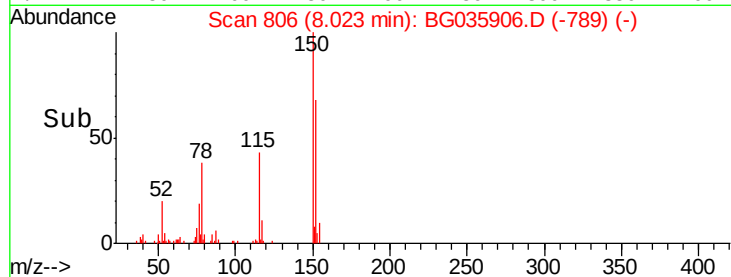
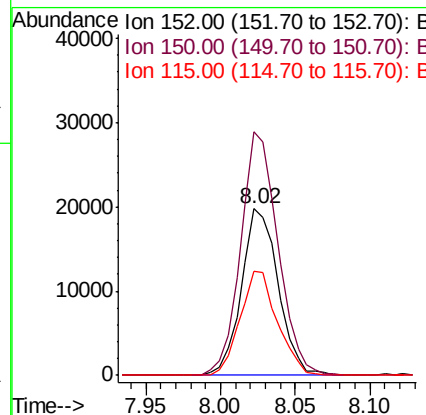
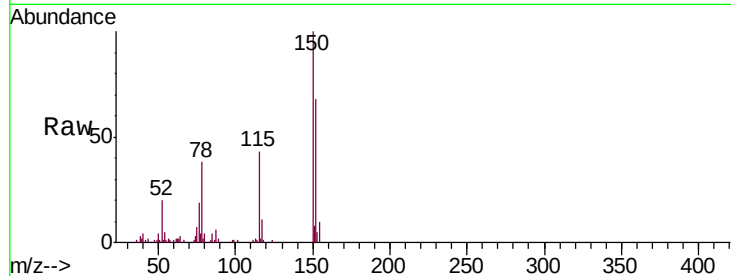


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035906.D
Acq: 26 Jul 2018 12:42

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-B

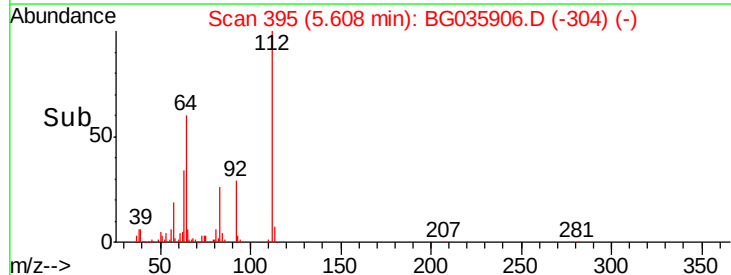
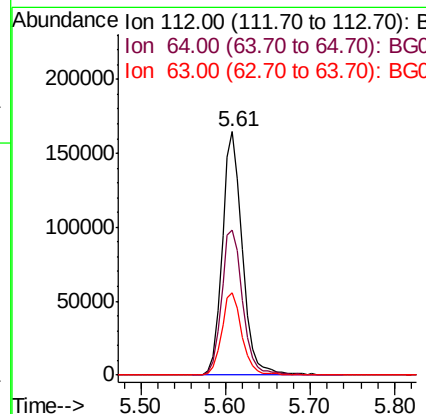
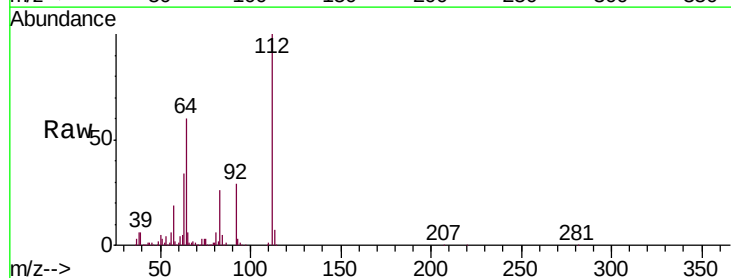
Tgt Ion:152 Resp: 33720
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 62.4 53.0 79.4

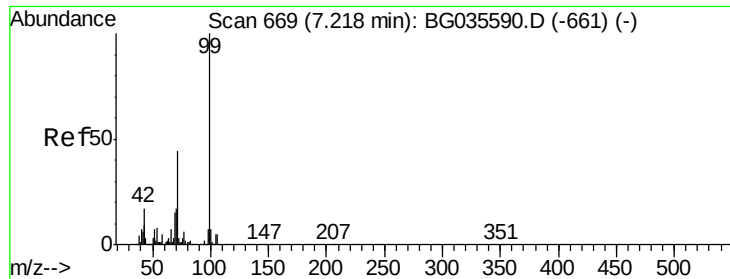


#5

2-Fluorophenol
Concen: 134.712 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035906.D
Acq: 26 Jul 2018 12:42

Tgt Ion:112 Resp: 273605
Ion Ratio Lower Upper
112 100
64 59.7 56.3 84.5
63 33.7 30.1 45.1





#7

Phenol-d6

Concen: 118.176 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-B

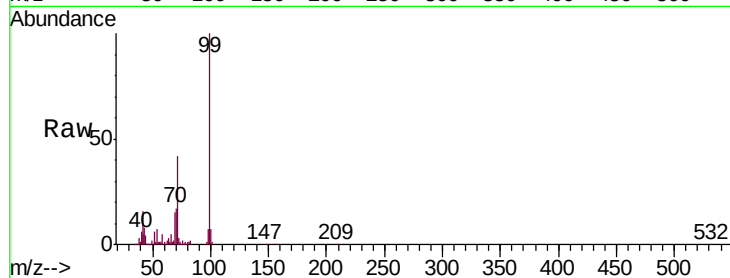
Tgt Ion: 99 Resp: 358107

Ion Ratio Lower Upper

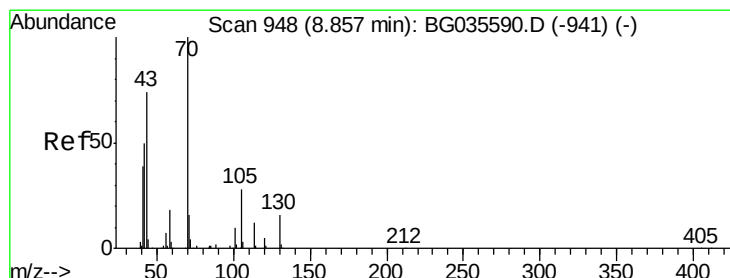
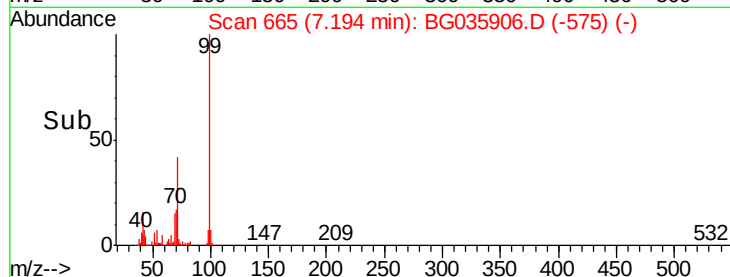
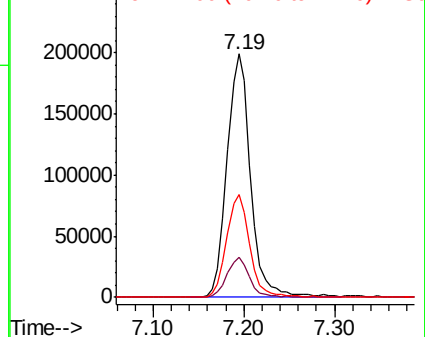
99 100

42 16.4 14.1 21.1

71 42.4 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: 15.039 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

Tgt Ion: 70 Resp: 38376

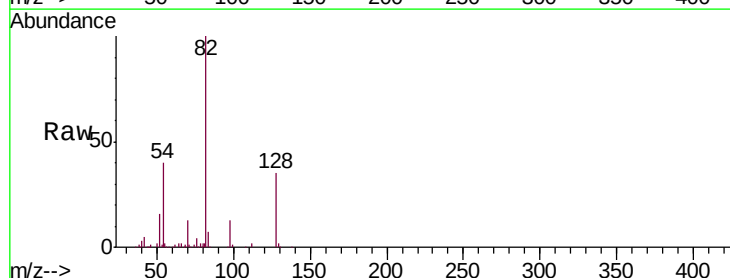
Ion Ratio Lower Upper

70 100

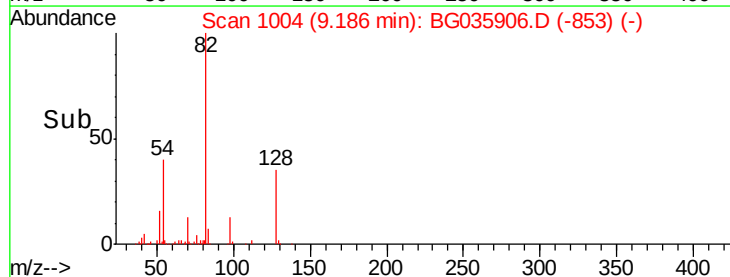
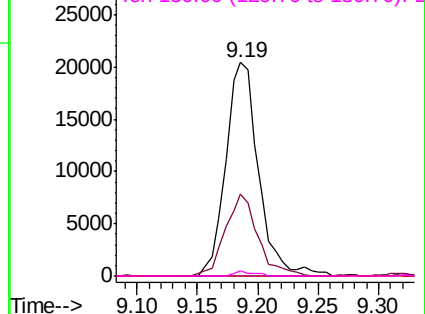
42 38.4 49.1 73.7#

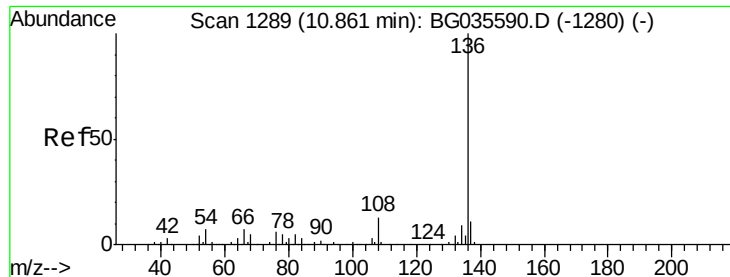
101 0.0 8.5 12.7#

130 2.3 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

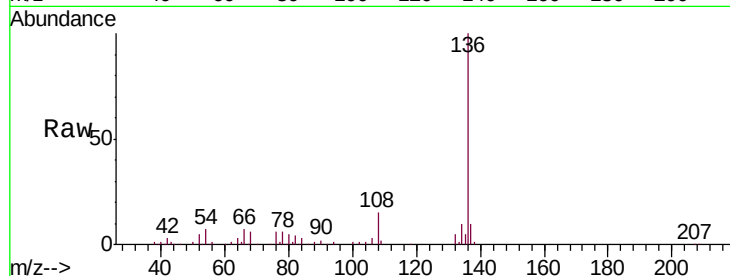




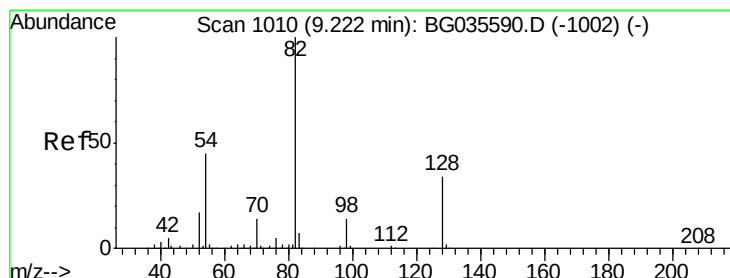
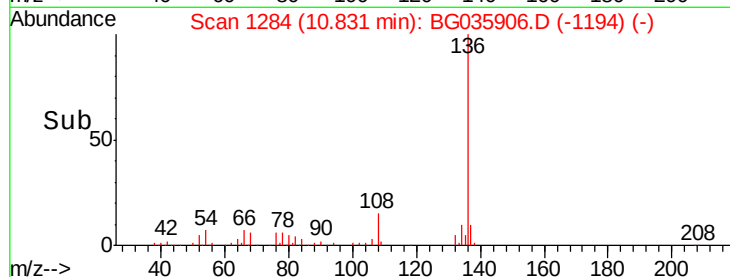
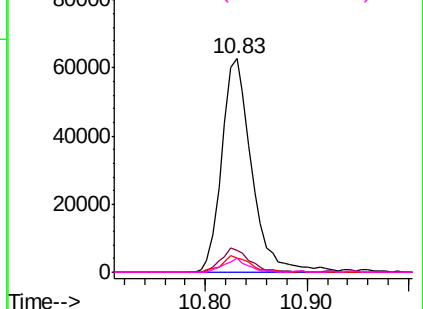
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035906.D
Acq: 26 Jul 2018 12:42

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-B

Tgt Ion:	136	Resp:	128697
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	6.9	10.3	15.5#
68	6.3	4.5	6.7

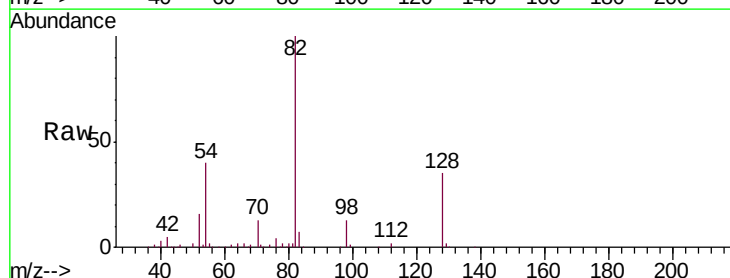


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

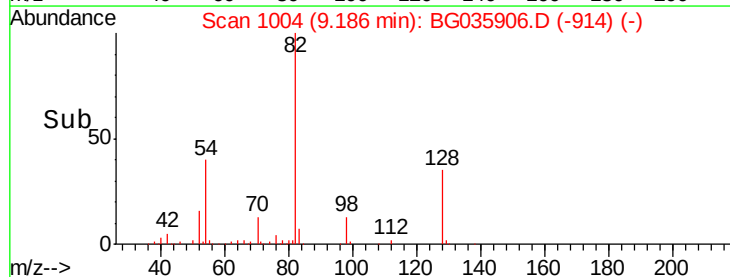
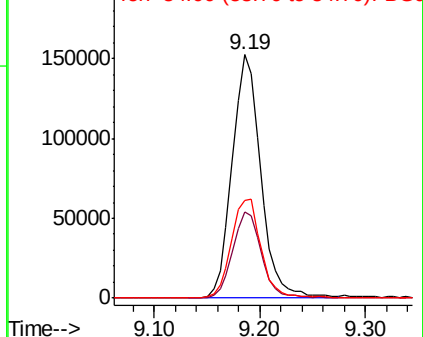


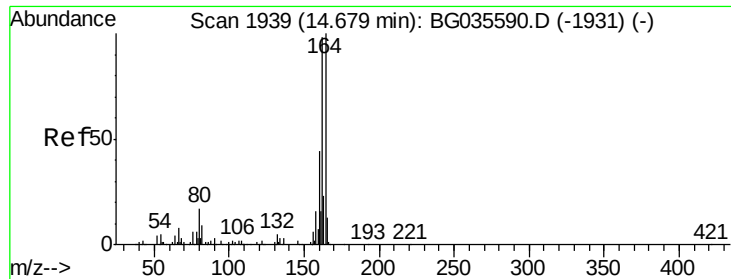
#23
Nitrobenzene-d5
Concen: 92.594 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035906.D
Acq: 26 Jul 2018 12:42

Tgt Ion:	82	Resp:	285259
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	40.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-B

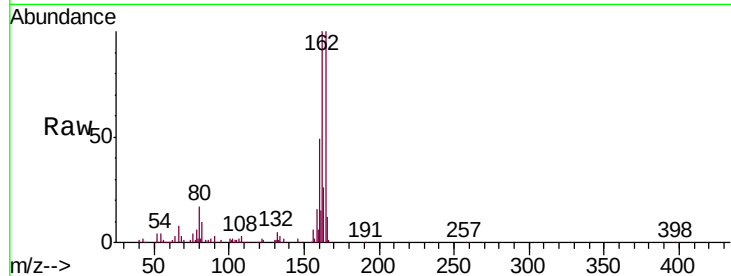
Tgt Ion:164 Resp: 99900

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

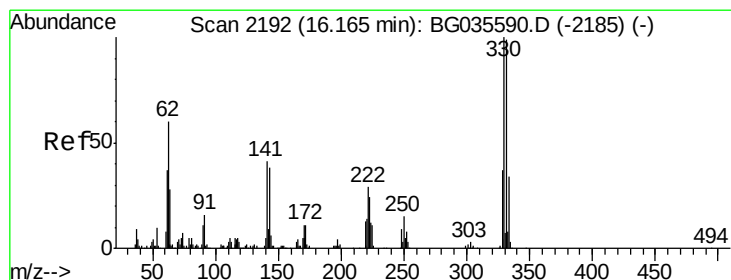
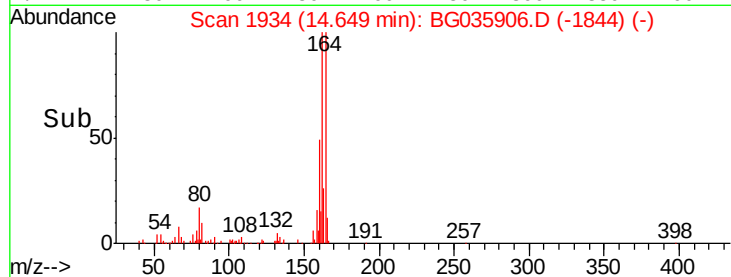
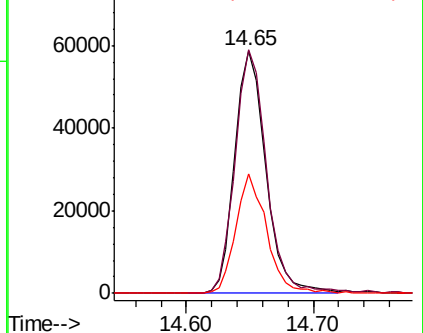
160 49.1 35.4 53.0



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: 181.752 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

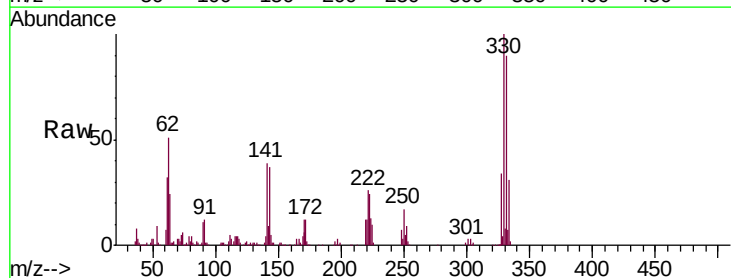
Tgt Ion:330 Resp: 239321

Ion Ratio Lower Upper

330 100

332 93.3 77.0 115.6

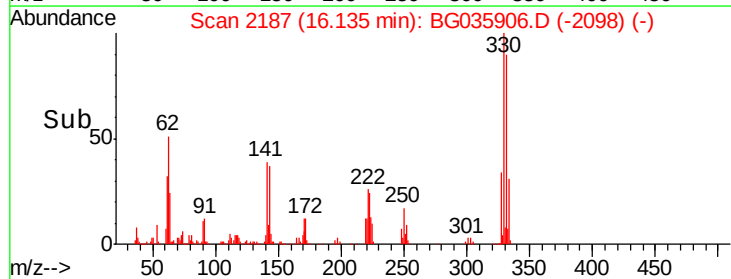
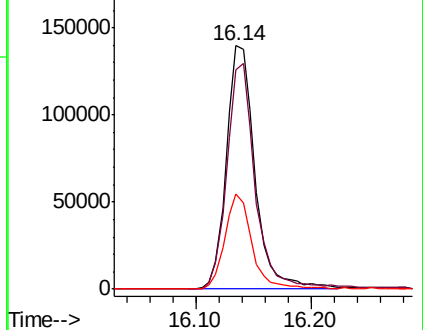
141 37.3 25.2 37.8

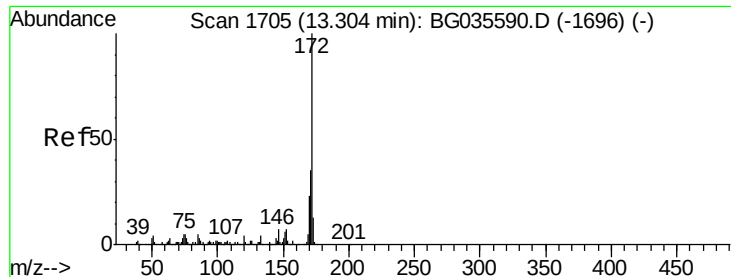


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

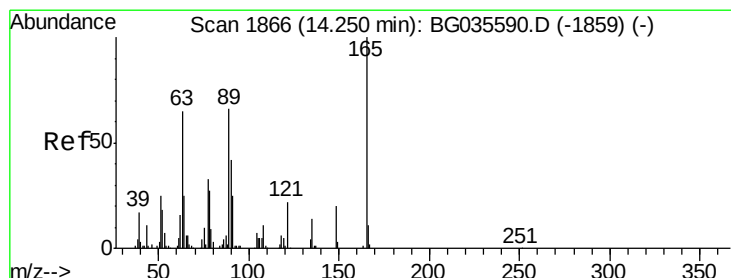
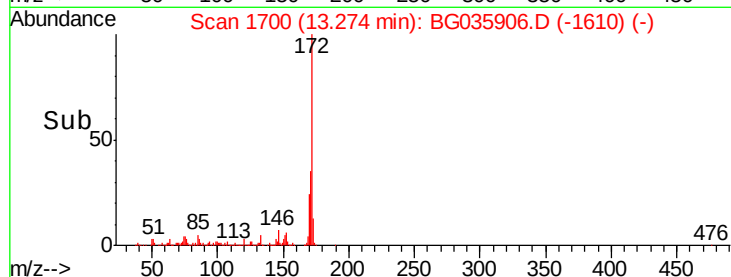
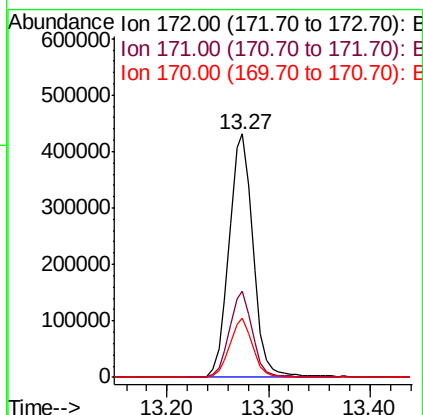
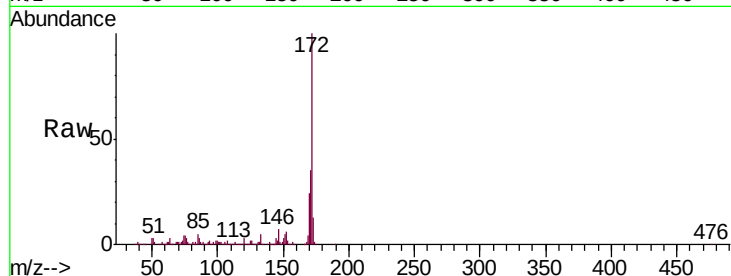




#44
 2-Fluorobiphenyl
 Concen: 95.062 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

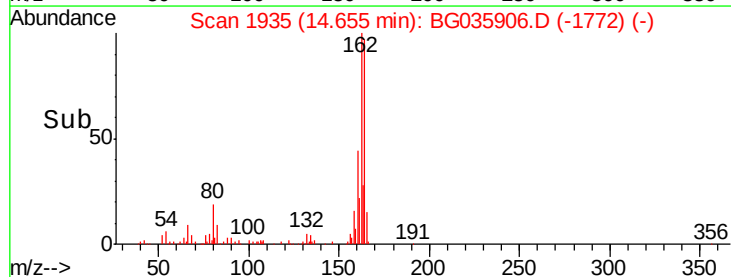
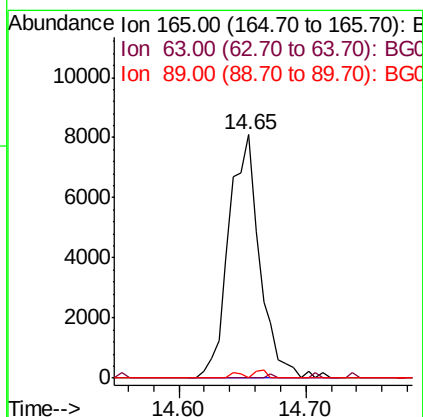
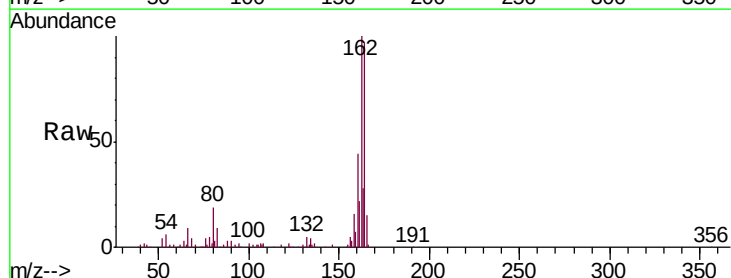
Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-B

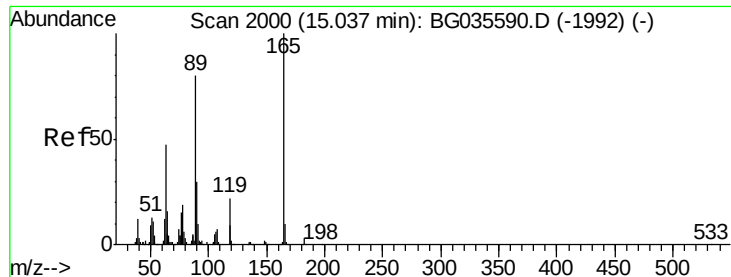
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	24.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.669 ng
 RT: 14.65 min Scan# 1935
 Delta R.T. 0.43 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

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

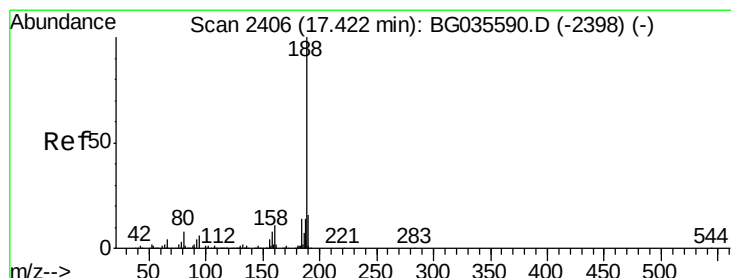
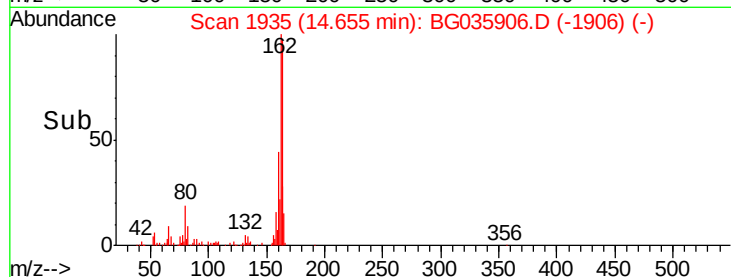
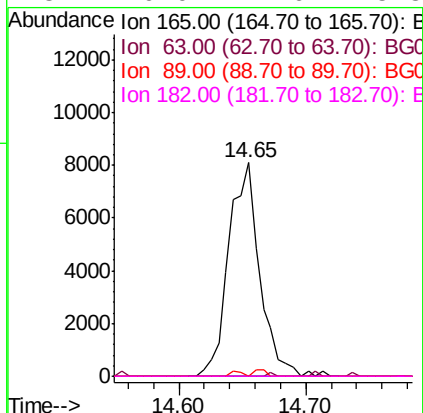
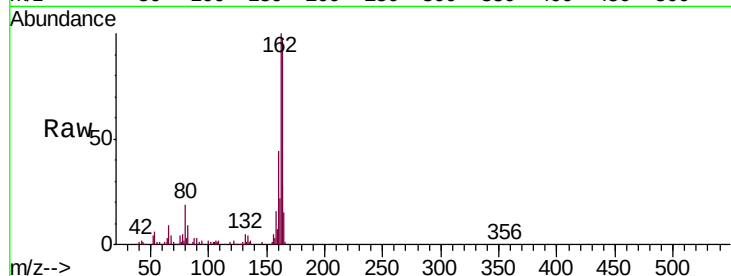




#56
 2,4-Dinitrotoluene
 Concen: 5.346 ng
 RT: 14.65 min Scan# 1935
 Delta R.T. -0.36 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

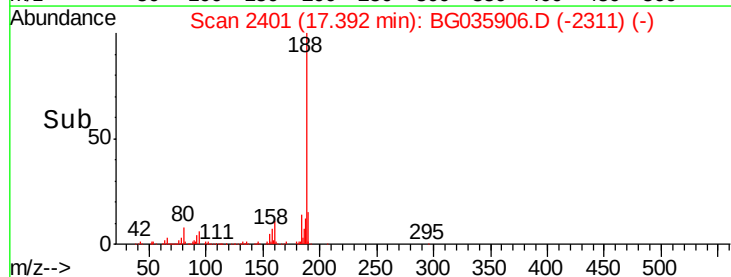
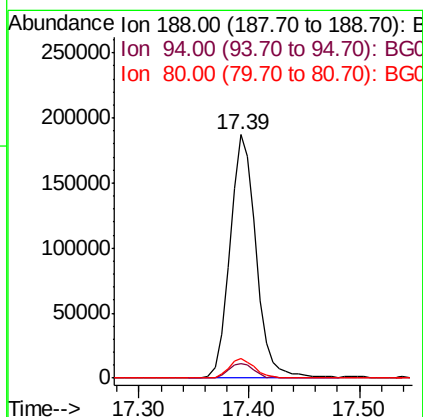
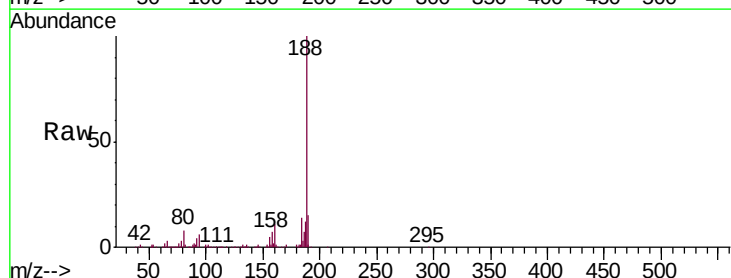
Instrument :
 BNA_G
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 HR-06-072418-B

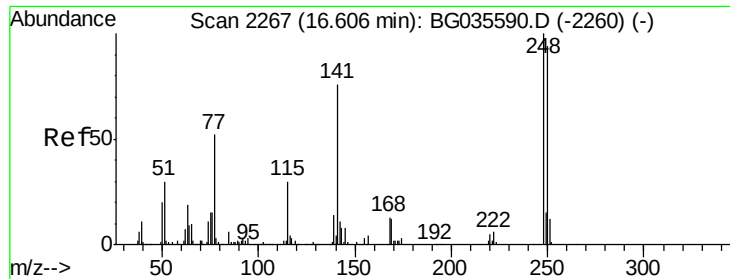
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	6.9	10.3#
80	8.0	7.7	11.5

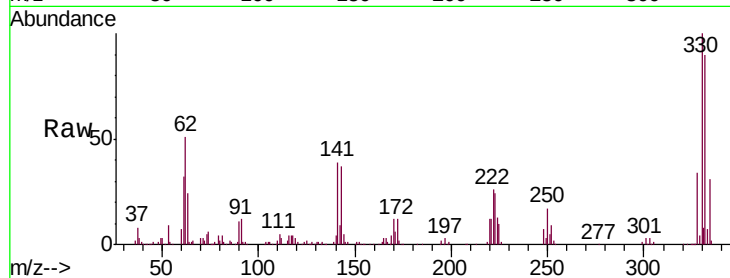




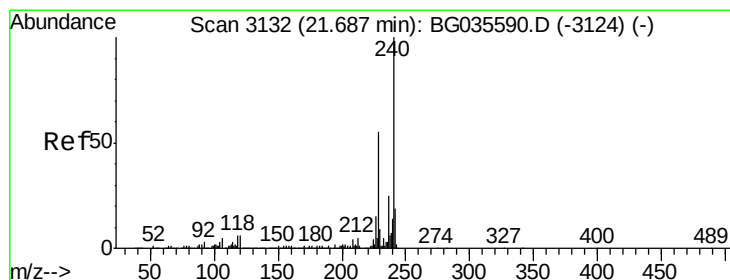
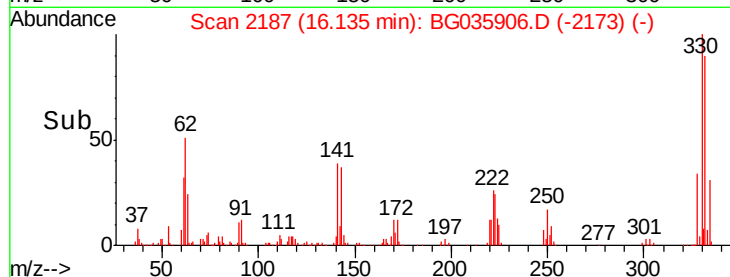
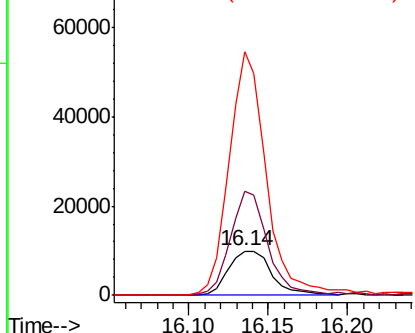
#66
 4-Bromophenyl-phenylether
 Concen: 5.213 ng
 RT: 16.14 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-072418-B

Tgt Ion:248 Resp: 18840
 Ion Ratio Lower Upper
 248 100
 250 235.4 77.1 115.7#
 141 548.9 50.8 76.2#

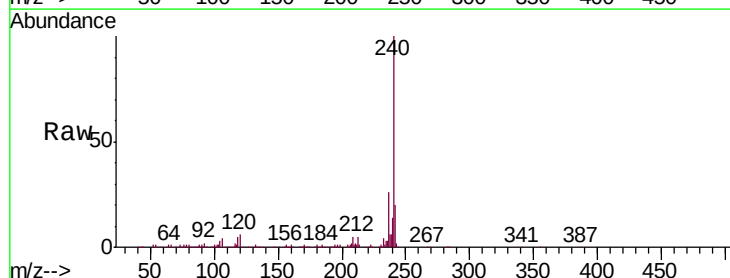


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

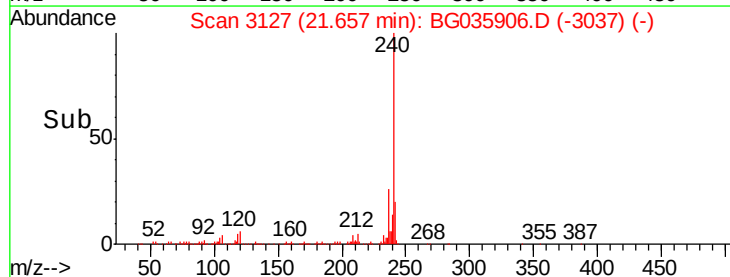
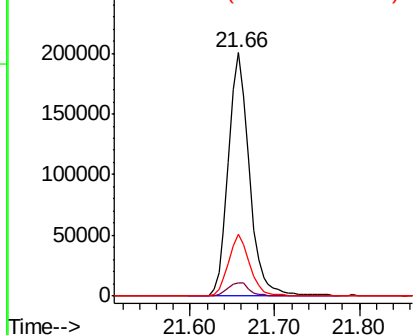


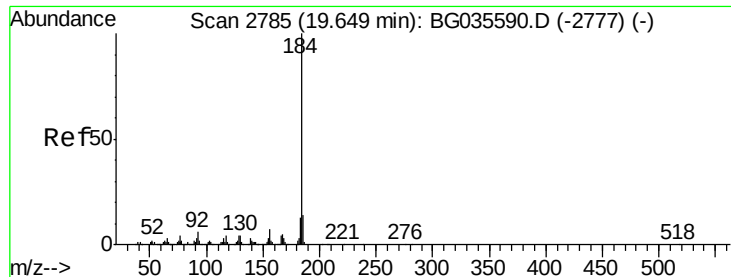
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: BG035906.D
 Acq: 26 Jul 2018 12:42

Tgt Ion:240 Resp: 343493
 Ion Ratio Lower Upper
 240 100
 120 5.6 6.8 10.2#
 236 25.6 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: 2.961 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

Instrument :

BNA_G

ClientSampleId :

HR-06-072418-B

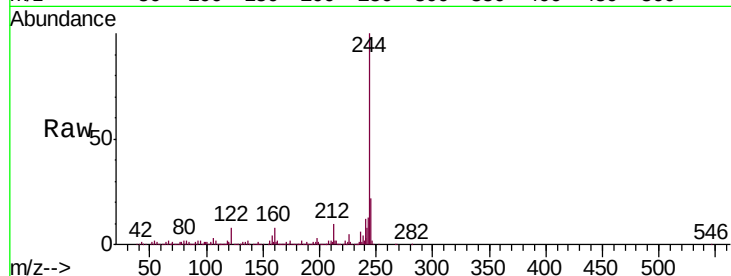
Tgt Ion:184 Resp: 26743

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

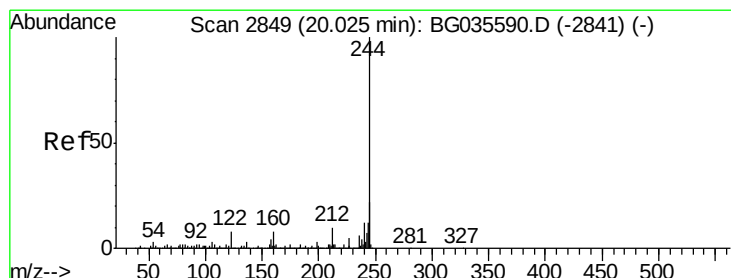
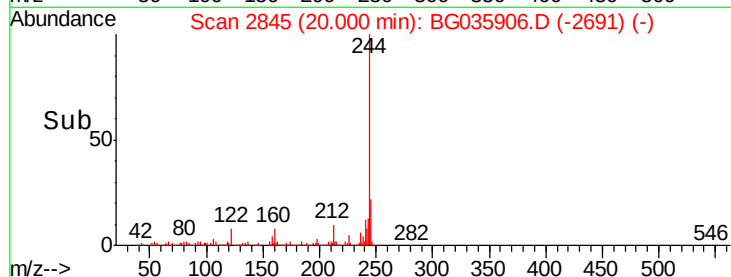
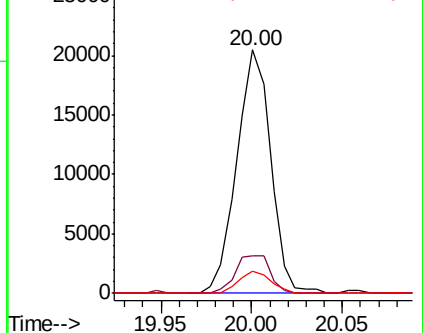
183 9.3 10.6 16.0#



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: 97.819 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035906.D

Acq: 26 Jul 2018 12:42

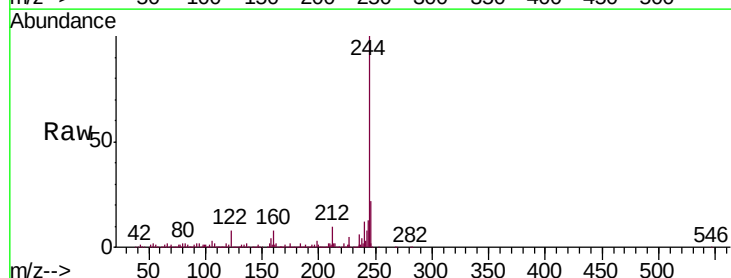
Tgt Ion:244 Resp: 1524294

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

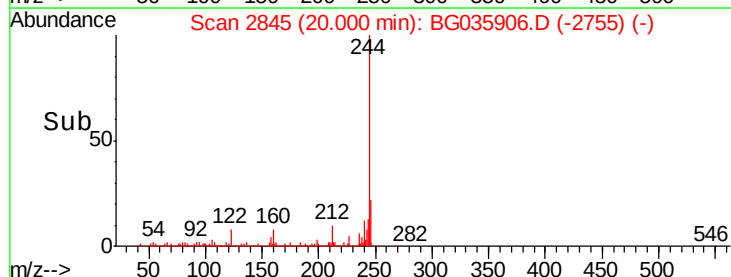
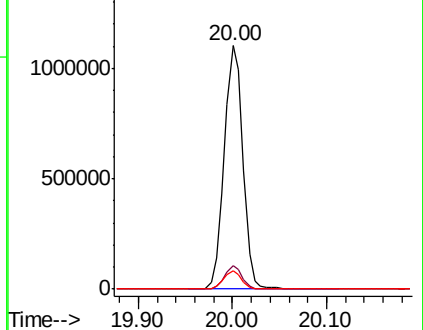
122 7.5 7.0 10.4

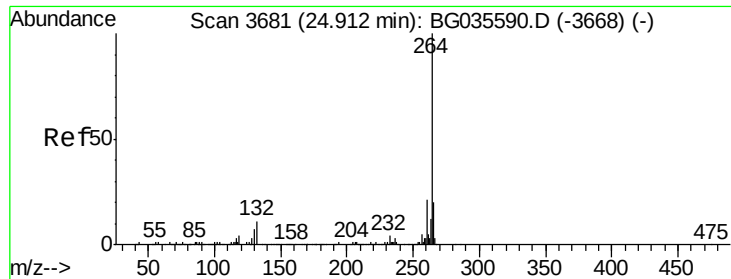


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035906.D
Acq: 26 Jul 2018 12:42

Instrument :
BNA_G
ClientSampleId :
HR-06-072418-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	20.9	17.7	26.5

