

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036559.D
 Acq On : 5 Sep 2018 10:06
 Operator : JU/SJ
 Sample : J4761-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 11:03:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

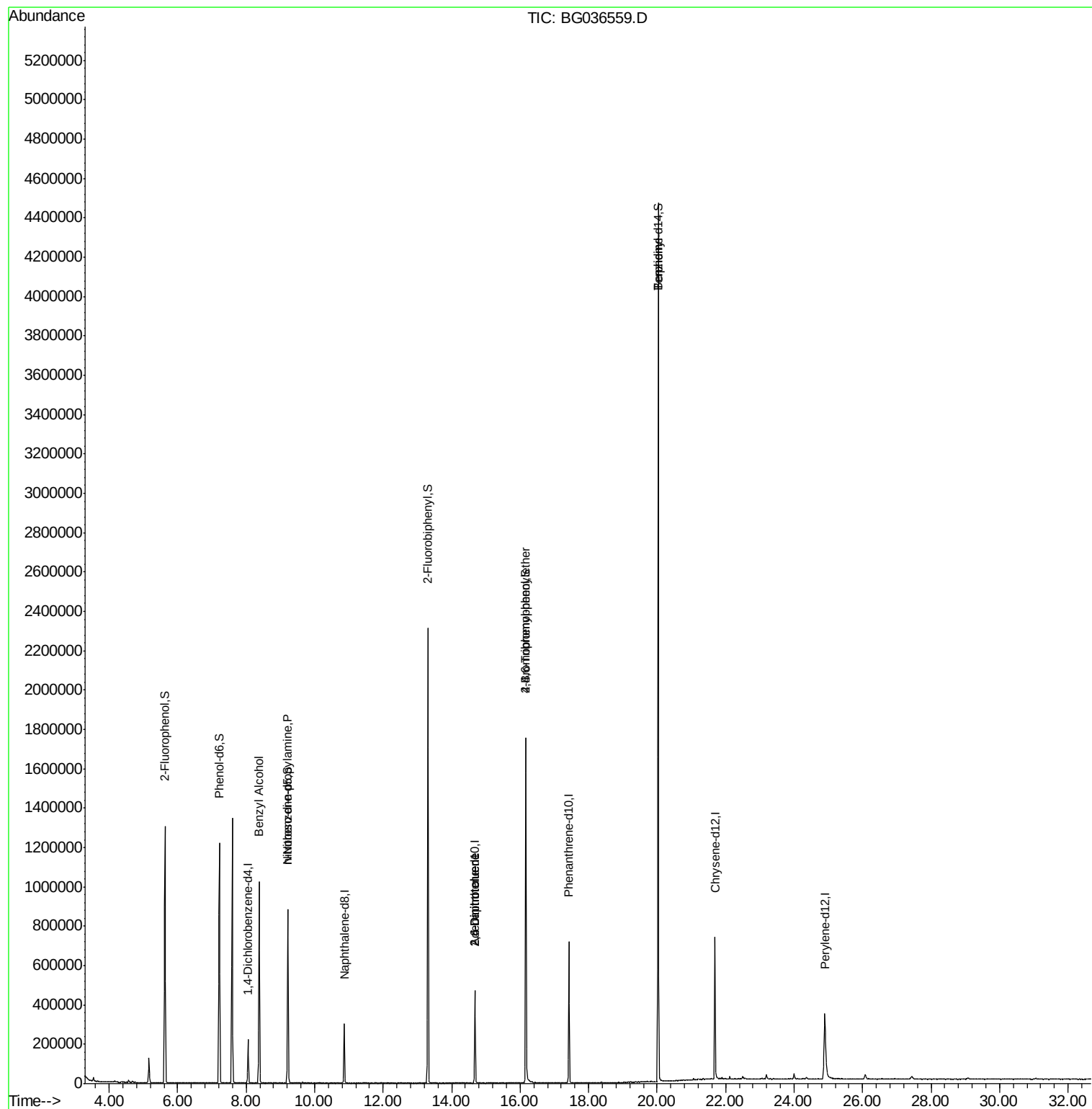
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	61856	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	258050	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	169498	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	443776	20.00	ng	0.00
75) Chrysene-d12	21.69	240	456124	20.00	ng	0.00
86) Perylene-d12	24.90	264	430873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	551847	141.52	ng	0.00
7) Phenol-d6	7.22	99	704606	126.21	ng	0.00
23) Nitrobenzene-d5	9.22	82	532399	111.94	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	332403	164.35	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1181143	99.50	ng	0.00
78) Terphenyl-d14	20.03	244	1962326	100.56	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	9344	2.076	ng	# 52
19) n-Nitroso-di-n-propylamine	9.21	70	71033	17.024	ng	# 65
50) 2,6-Dinitrotoluene	14.68	165	21524	7.558	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	21524	5.799	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	23888	4.598	ng	# 1
76) Benzidine	20.03	184	36509	2.509	ng	# 88

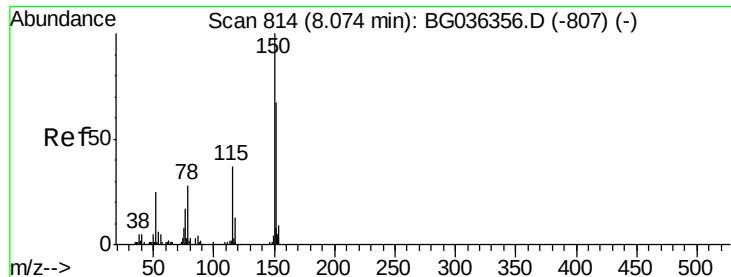
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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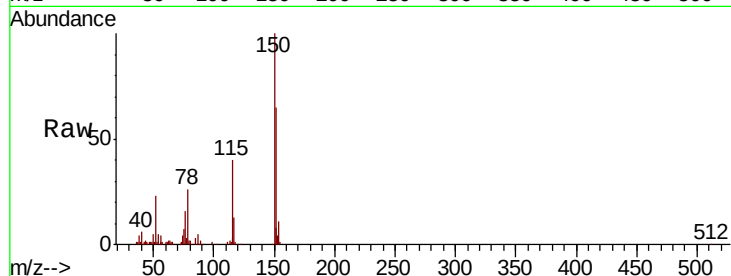


#1

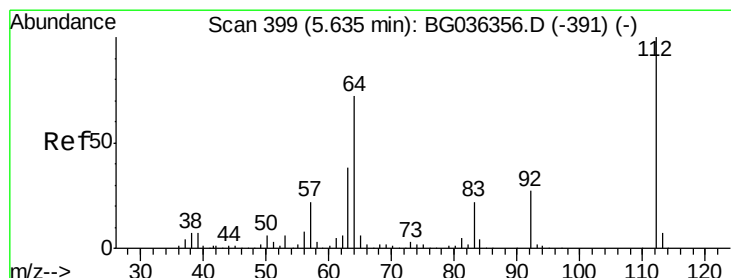
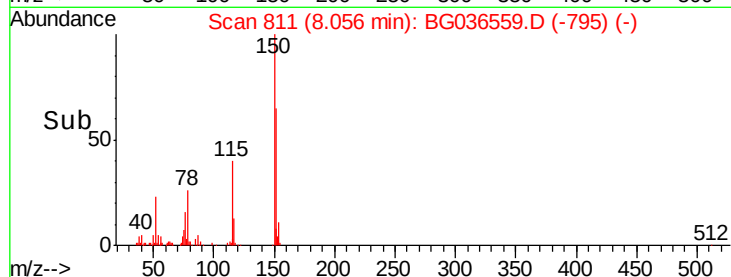
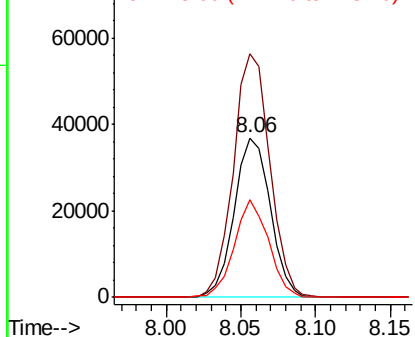
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61856
Ion Ratio Lower Upper
152 100
150 152.9 119.5 179.3
115 61.5 44.5 66.7



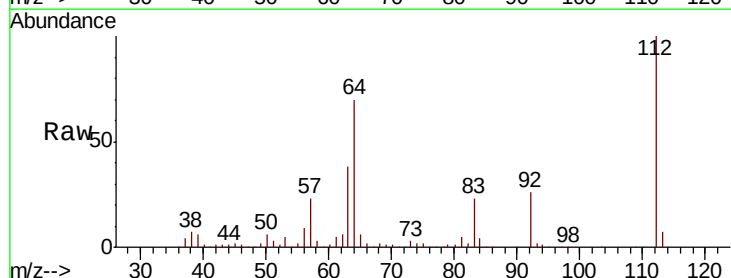
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



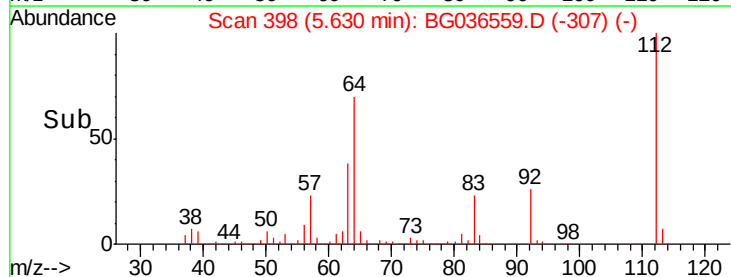
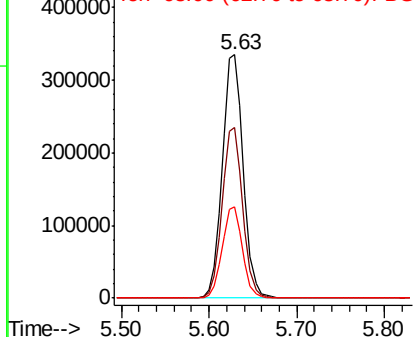
#5

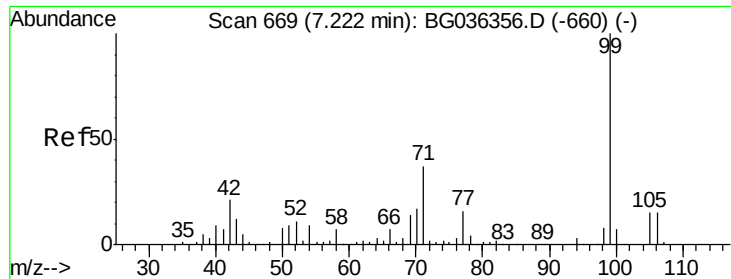
2-Fluorophenol
Concen: 141.521 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

Tgt Ion:112 Resp: 551847
Ion Ratio Lower Upper
112 100
64 69.9 57.2 85.8
63 37.5 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 126.206 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

Instrument :

BNA_G

ClientSampleId :

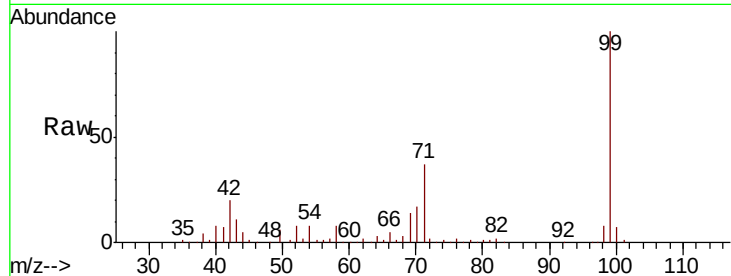
Tot Ion: 99 Resp: 704606

Ion Ratio Lower Upper

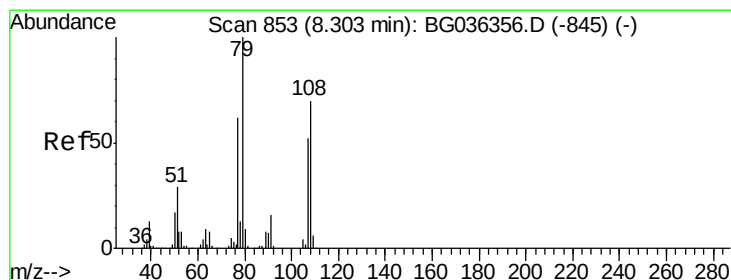
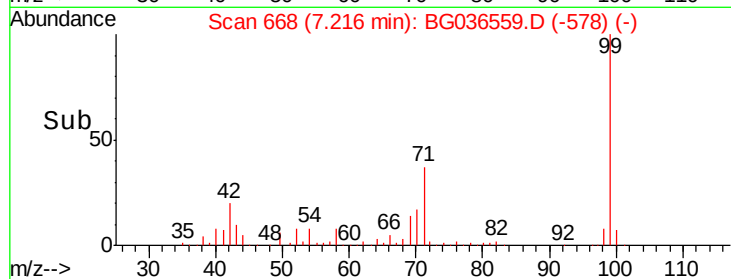
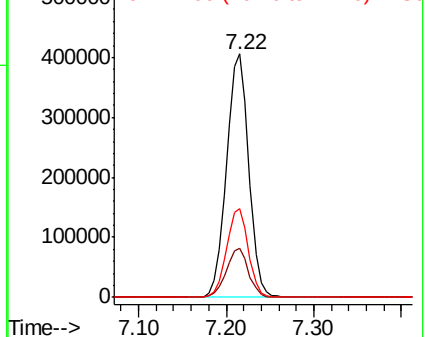
99 100

42 20.0 16.5 24.7

71 36.7 29.4 44.2



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



#15

Benzyl Alcohol

Concen: 2.076 ng

RT: 8.38 min Scan# 866

Delta R.T. 0.09 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

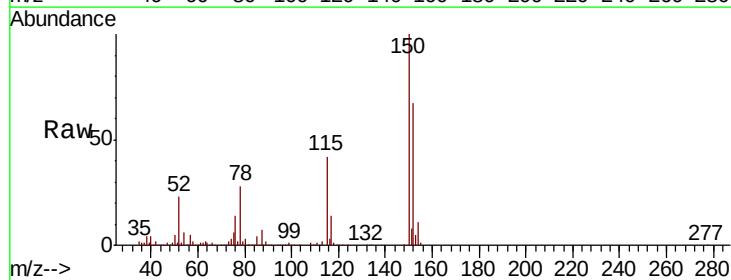
Tgt Ion: 79 Resp: 9344

Ion Ratio Lower Upper

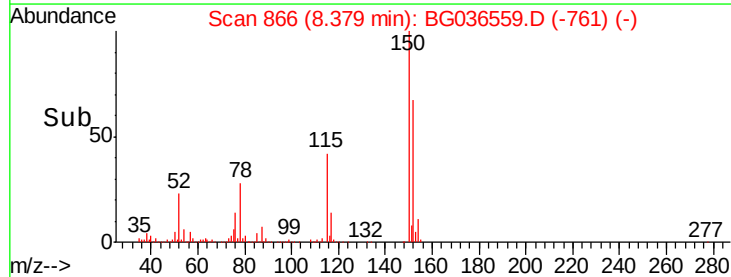
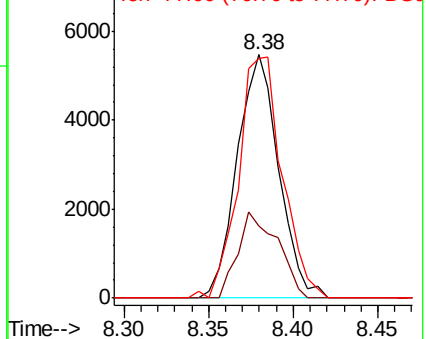
79 100

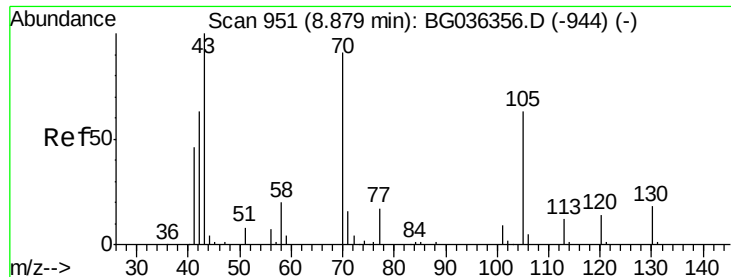
108 29.4 55.9 83.9#

77 98.5 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

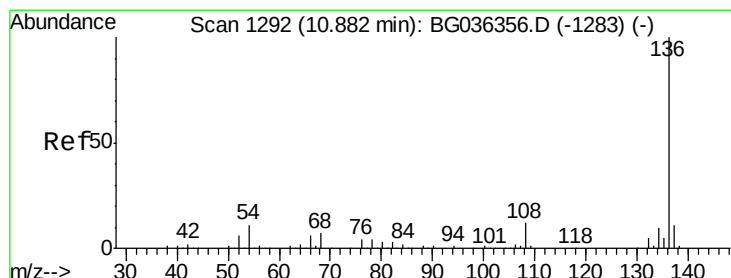
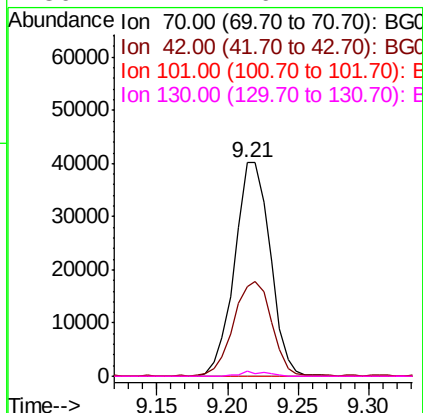
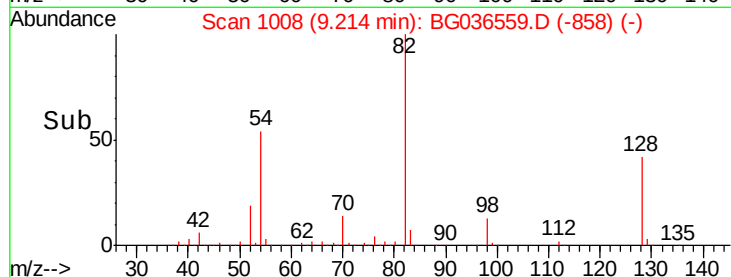
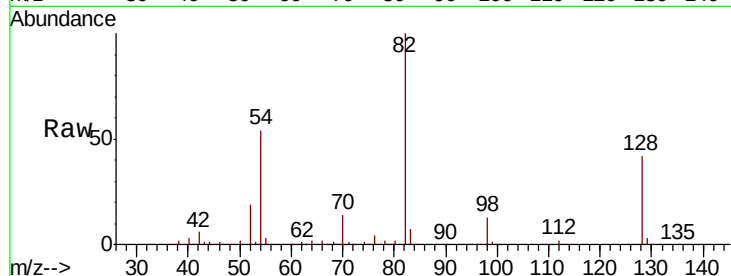




#19
n-Nitroso-di-n-propylamine
Concen: 17.024 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.35 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

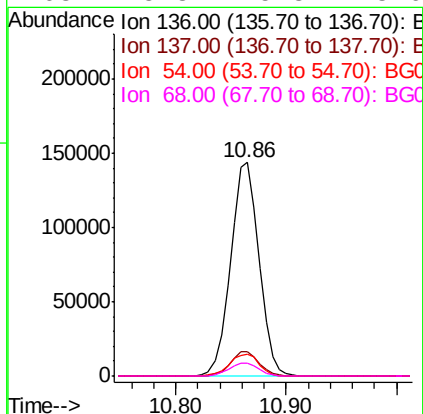
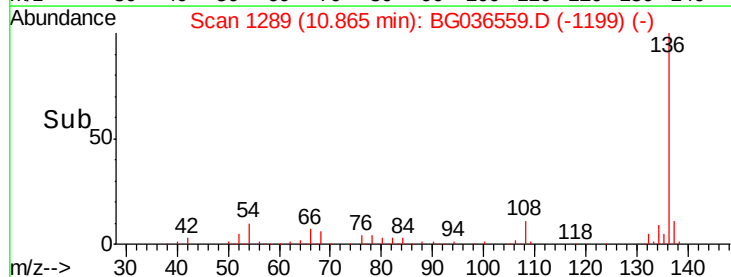
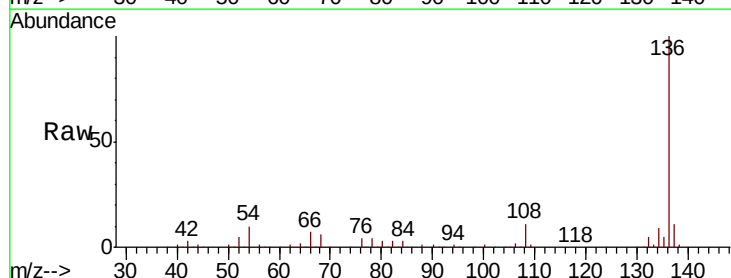
Instrument :
BNA_G
ClientSampleId :

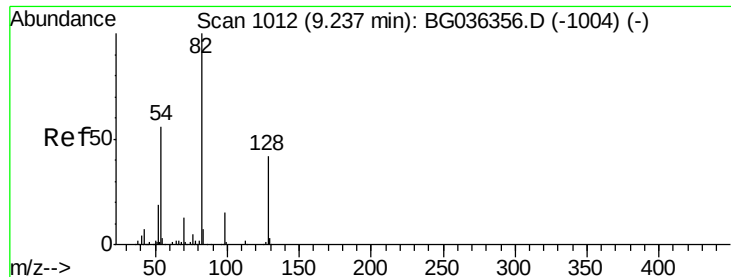
Tot Ion: 70 Resp: 71033
Ion Ratio Lower Upper
70 100
42 41.8 56.2 84.4#
101 0.0 7.8 11.6#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

Tgt Ion: 136 Resp: 258050
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.1 9.2 13.8
68 5.8 5.8 8.6

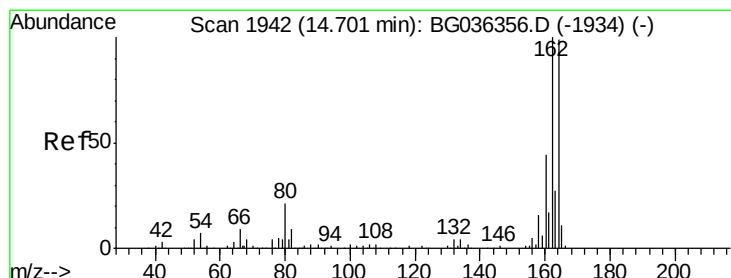
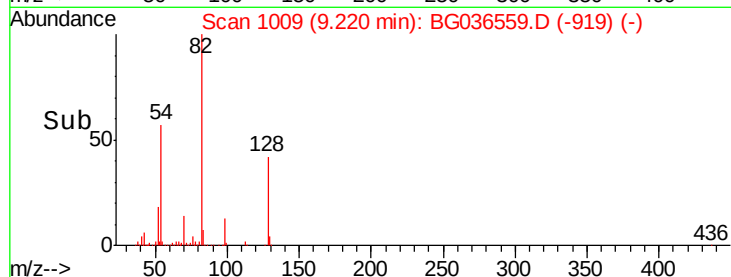
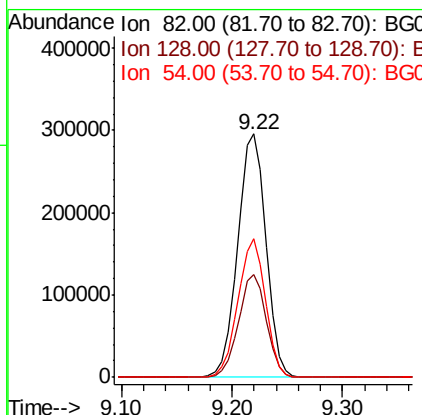
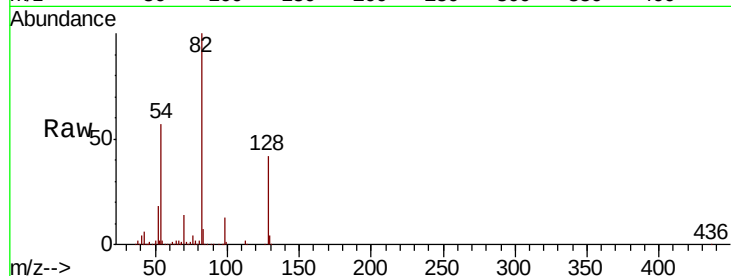




#23
 Nitrobenzene-d5
 Concen: 111.940 ng
 RT: 9.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BG036559.D
 Acq: 5 Sep 2018 10:06

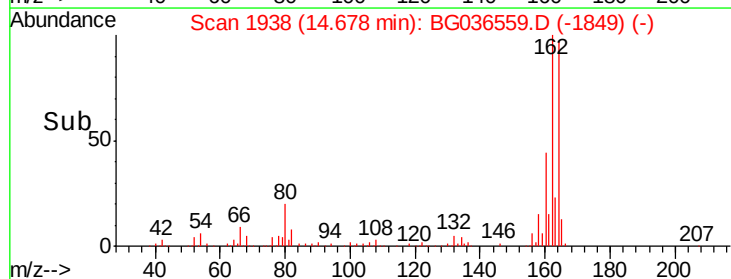
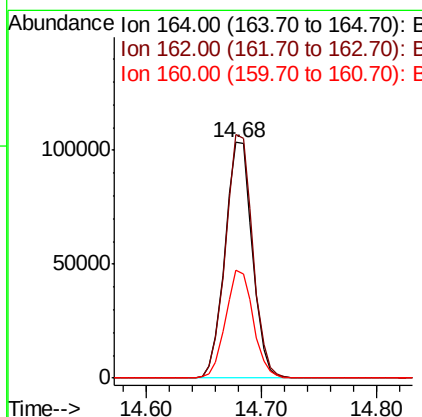
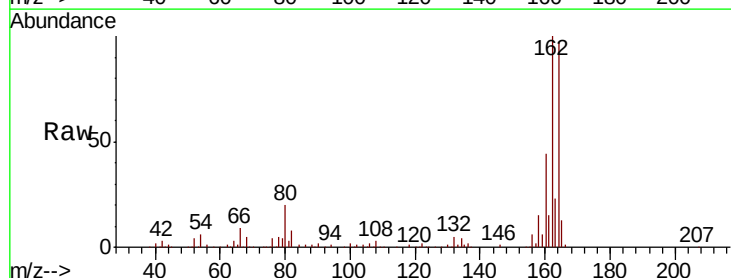
Instrument :
 BNA_G
 ClientSampleId :

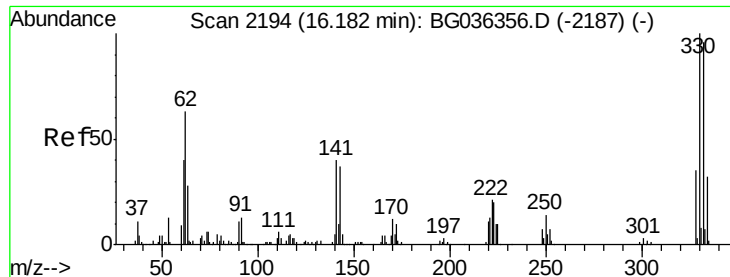
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	56.8	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BG036559.D
 Acq: 5 Sep 2018 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.7	121.1
160	45.7	35.3	52.9

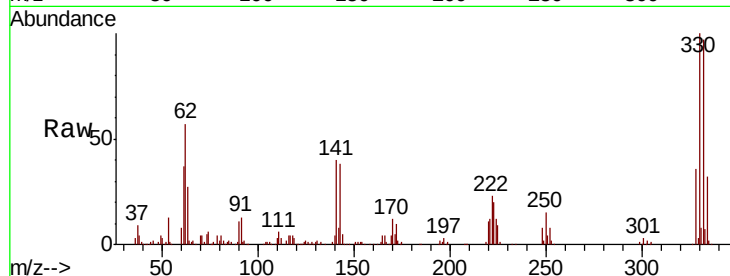




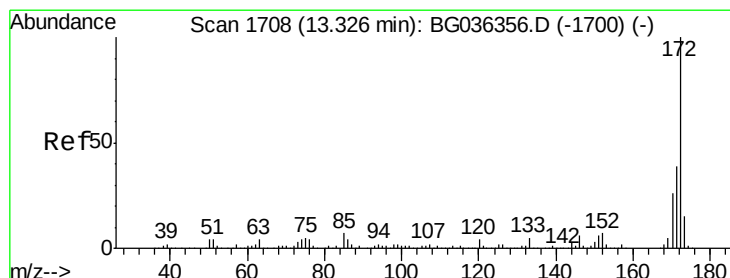
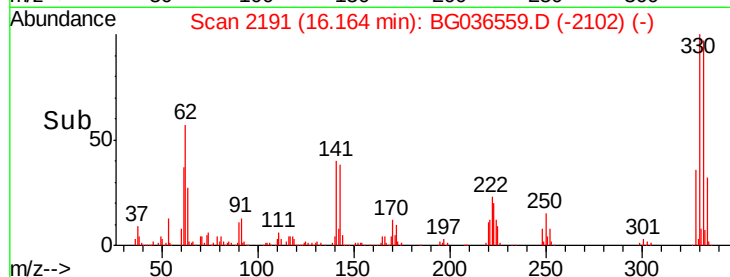
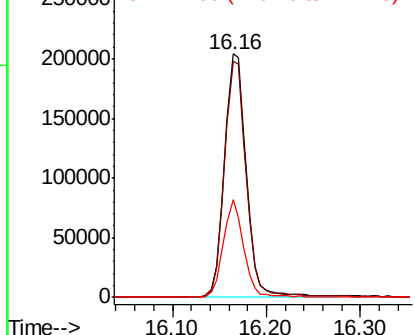
#41
 2,4,6-Tribromophenol
 Concen: 164.353 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036559.D
 Acq: 5 Sep 2018 10:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 332403
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.2
 141 37.0 30.7 46.1

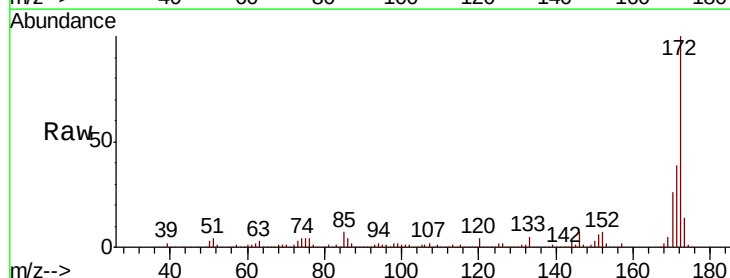


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

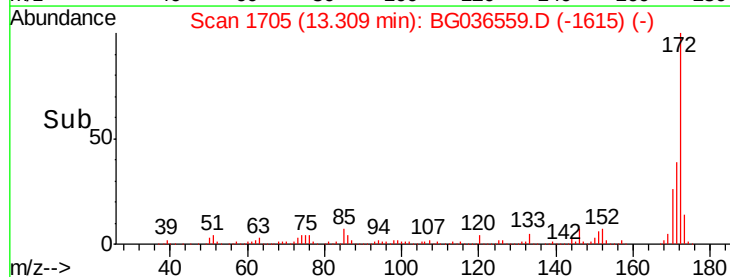
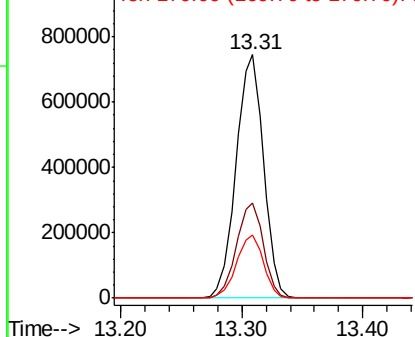


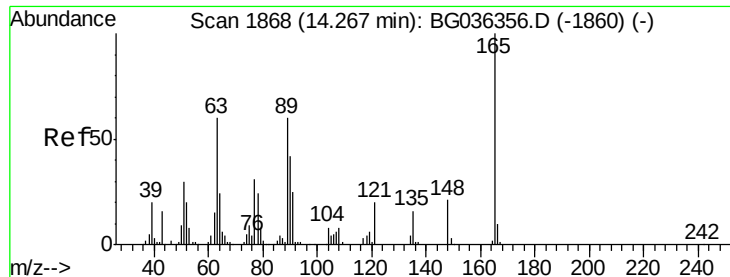
#44
 2-Fluorobiphenyl
 Concen: 99.497 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG036559.D
 Acq: 5 Sep 2018 10:06

Tgt Ion:172 Resp: 1181143
 Ion Ratio Lower Upper
 172 100
 171 39.0 31.3 46.9
 170 25.8 21.0 31.6



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

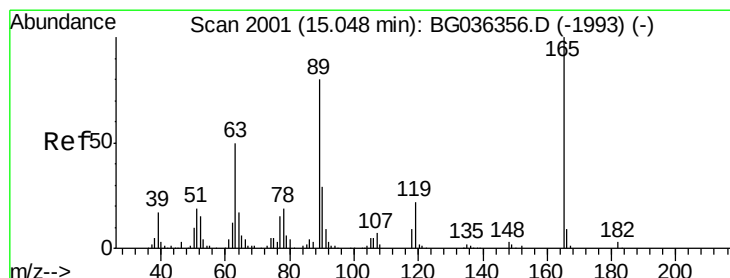
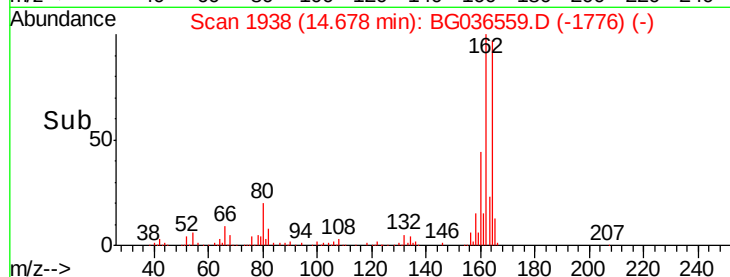
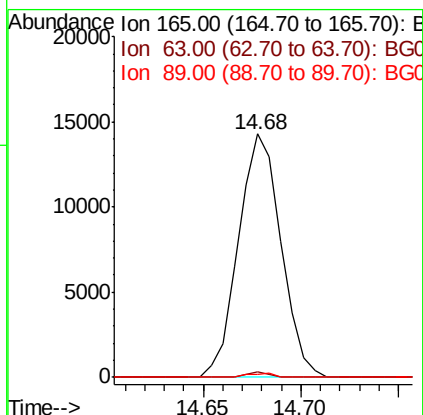
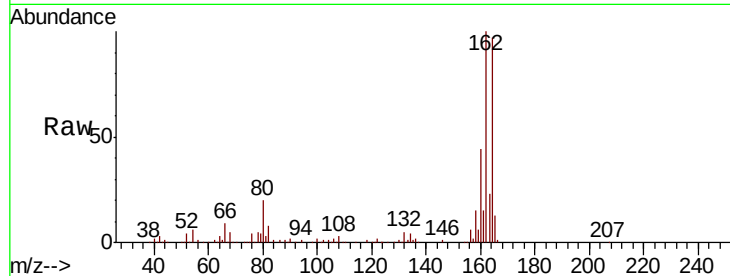




#50
2,6-Dinitrotoluene
Concen: 7.558 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

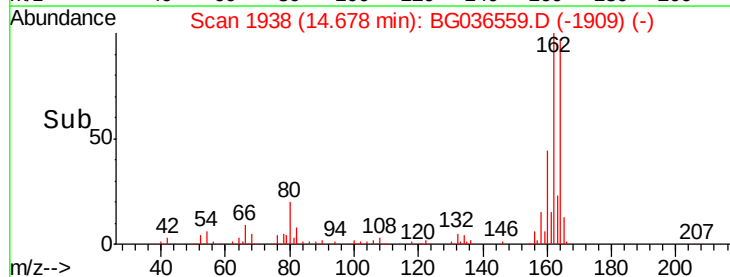
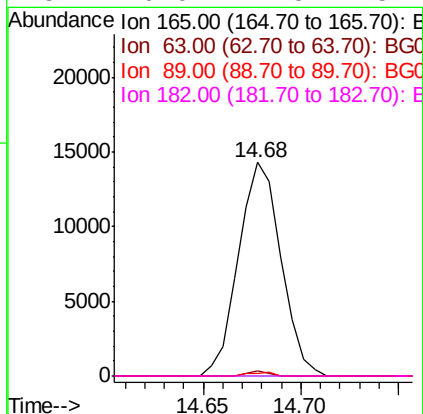
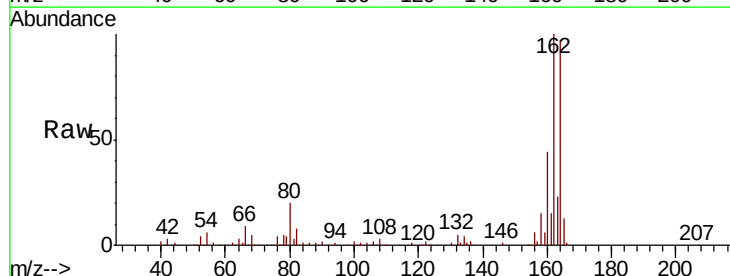
Instrument :
BNA_G
ClientSampleId :

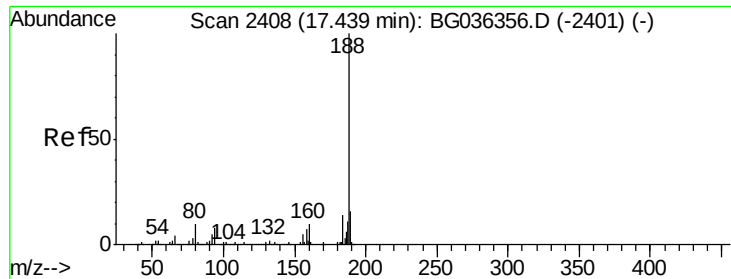
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	1.3	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.799 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036559.D
Acq: 5 Sep 2018 10:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	1.3	63.7	95.5#
182	0.0	2.5	3.7#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

Instrument :

BNA_G

ClientSampleId :

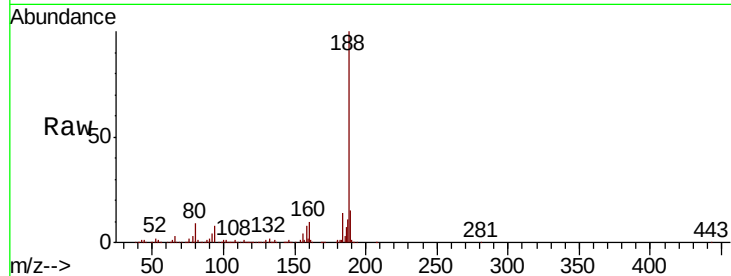
Tot Ion:188 Resp: 443776

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

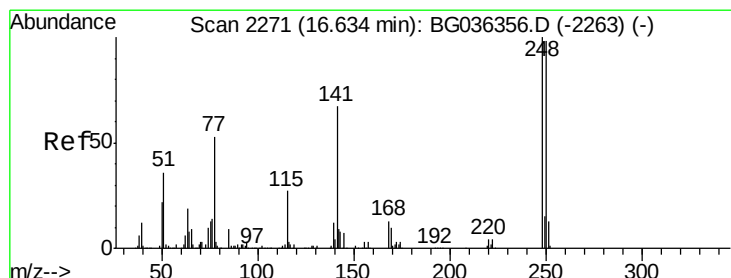
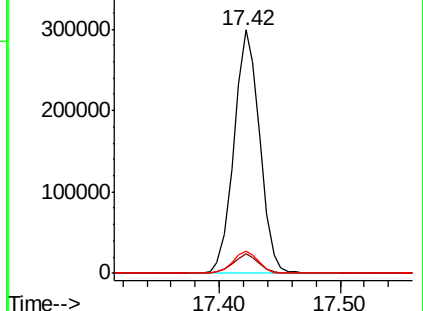
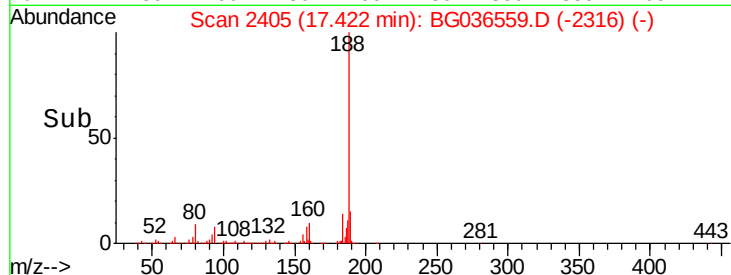
80 9.3 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 4.598 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

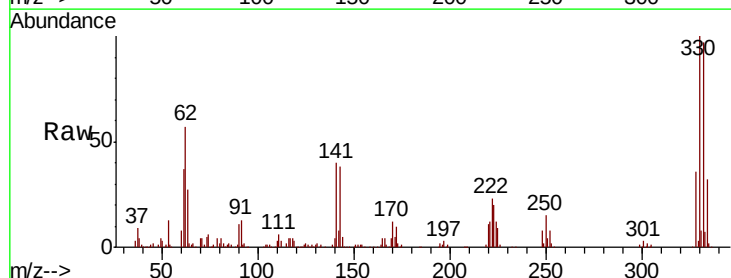
Tgt Ion:248 Resp: 23888

Ion Ratio Lower Upper

248 100

250 190.2 78.1 117.1#

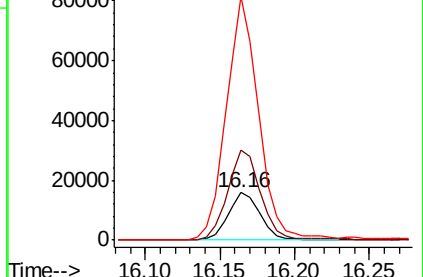
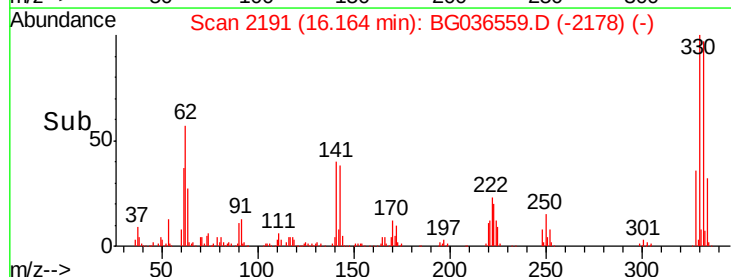
141 511.1 53.7 80.5#

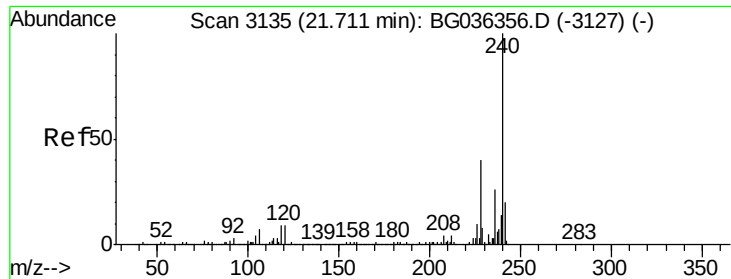


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3131

Delta R.T. -0.01 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

Instrument :

BNA_G

ClientSampleId :

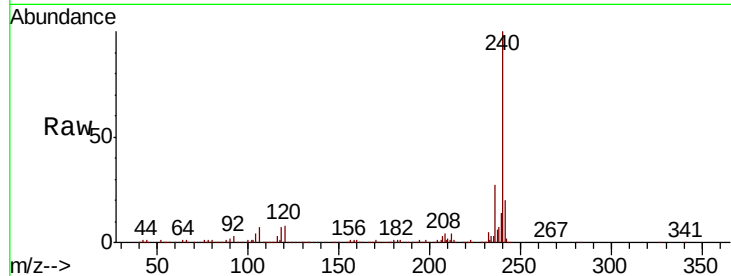
Tot Ion:240 Resp: 456124

Ion Ratio Lower Upper

240 100

120 7.7 6.9 10.3

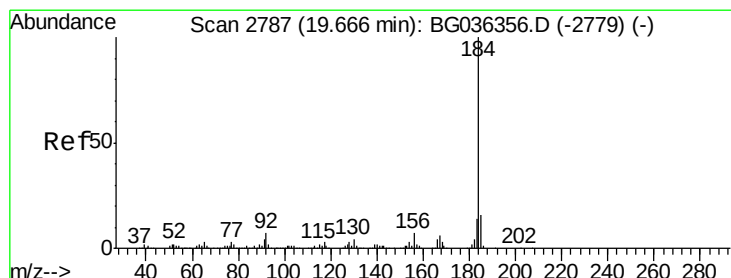
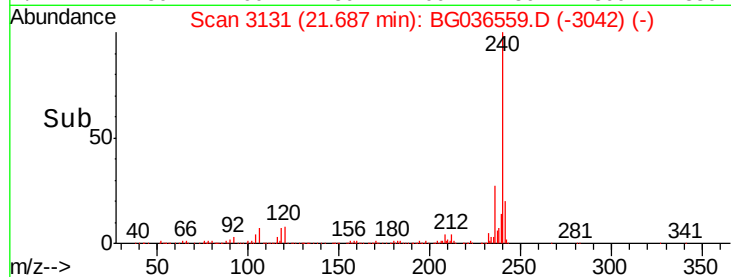
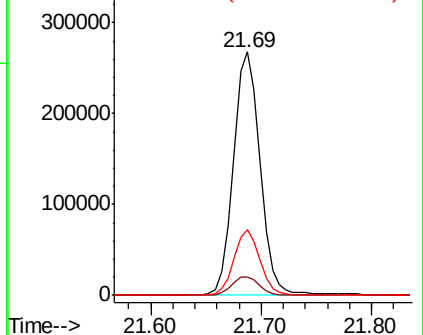
236 27.0 21.2 31.8



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: 2.509 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

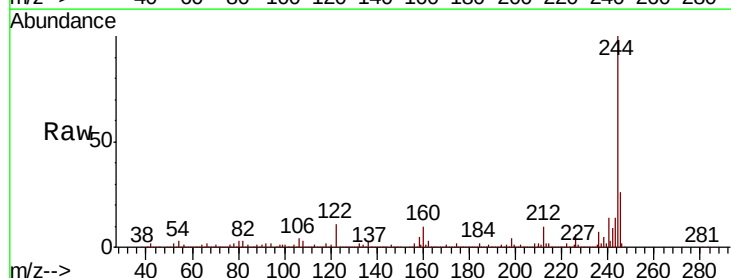
Tgt Ion:184 Resp: 36509

Ion Ratio Lower Upper

184 100

185 20.0 12.6 18.8#

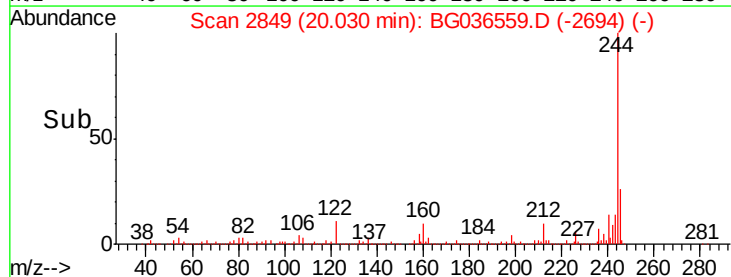
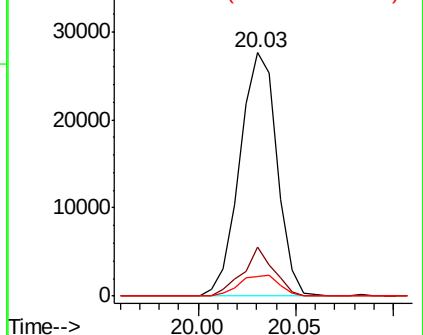
183 8.0 10.9 16.3#

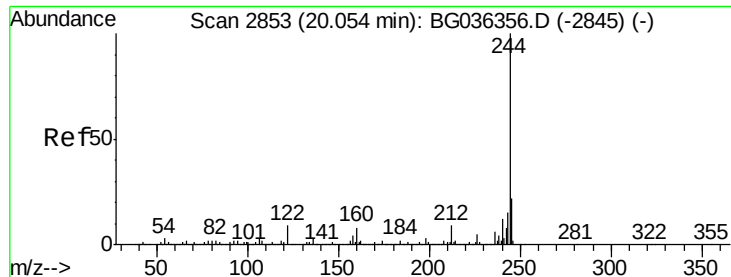


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.557 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

Instrument :

BNA_G

ClientSampleId :

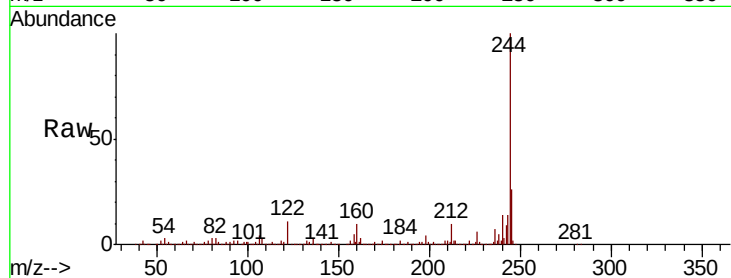
Tot Ion:244 Resp: 1962326

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.0	10.6
122	10.8	7.1	10.7

244 100

212 9.8 7.0 10.6

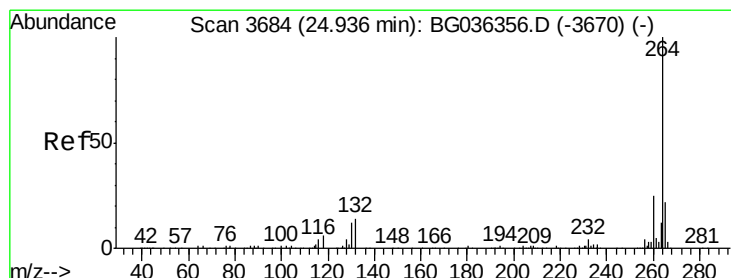
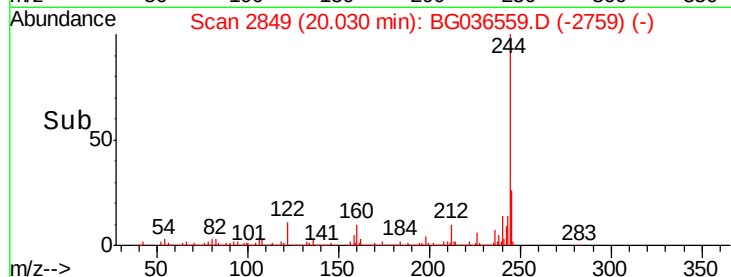
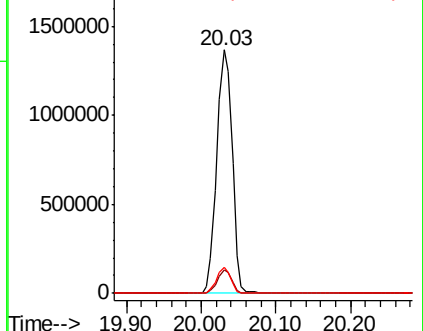
122 10.8 7.1 10.7



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: 24.90 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG036559.D

Acq: 5 Sep 2018 10:06

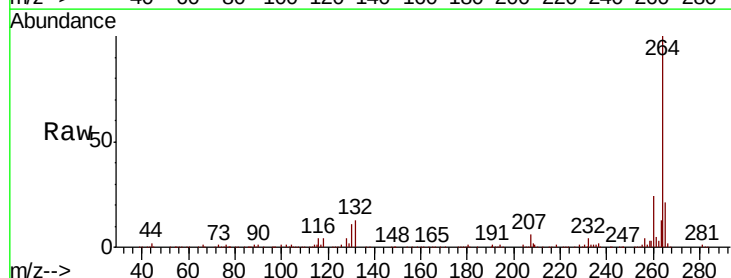
Tgt Ion:264 Resp: 430873

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	20.7	17.4	26.0

264 100

260 23.8 19.6 29.4

265 20.7 17.4 26.0



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

