

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036395.D
 Acq On : 24 Aug 2018 2:42
 Operator : JU/SJ
 Sample : J4522-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 03:35:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

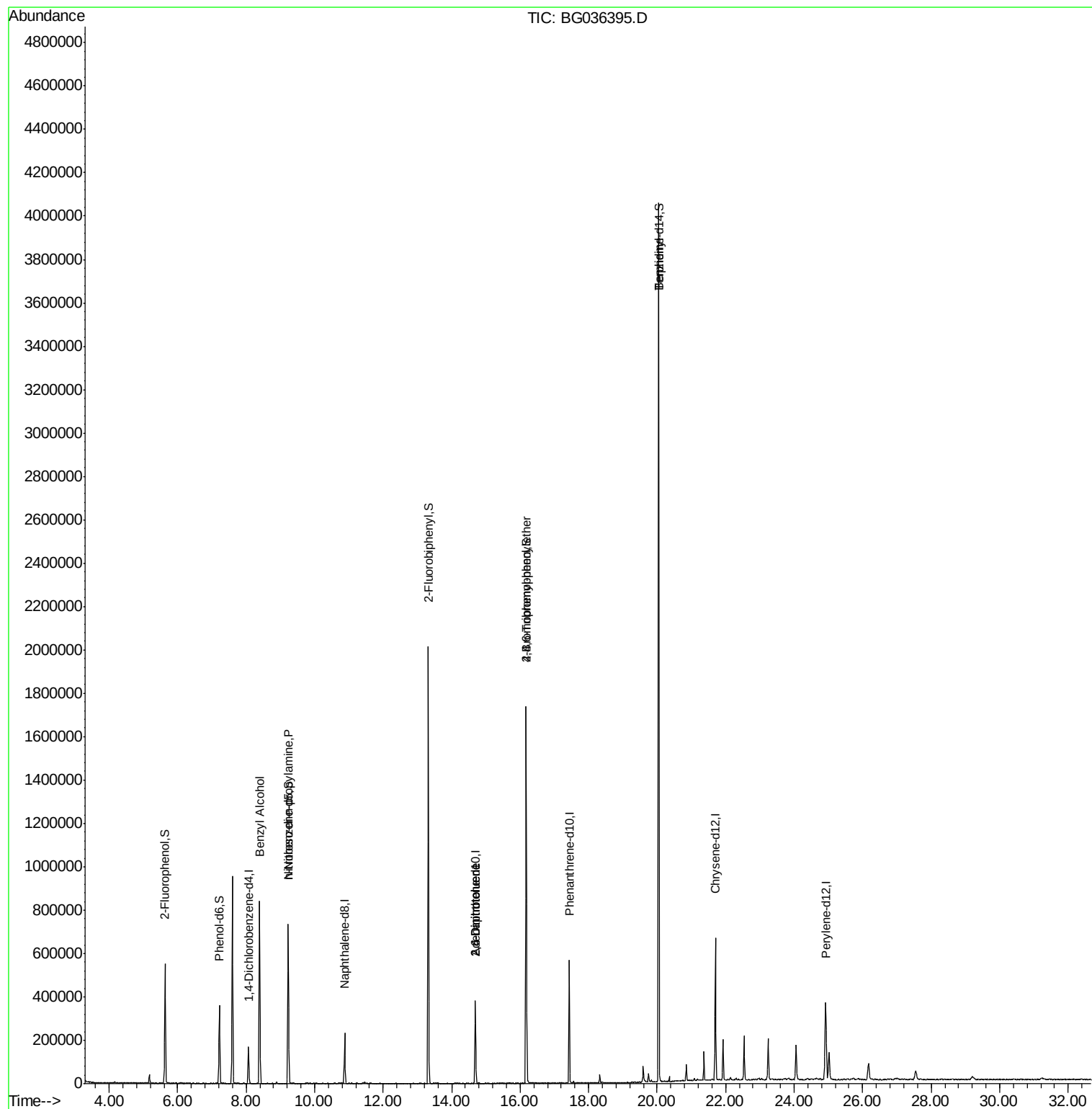
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46951	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	196149	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	132180	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	353780	20.00	ng	0.00
75) Chrysene-d12	21.70	240	388582	20.00	ng	-0.01
86) Perylene-d12	24.92	264	394462	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	229187	77.43	ng	0.00
7) Phenol-d6	7.22	99	201867	47.64	ng	0.00
23) Nitrobenzene-d5	9.23	82	432247	119.56	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	305612	193.77	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1007723	108.86	ng	0.00
78) Terphenyl-d14	20.05	244	1840756	110.72	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	6861	2.008	ng	# 49
19) n-Nitroso-di-n-propylamine	9.23	70	58530	18.481	ng	# 71
50) 2,6-Dinitrotoluene	14.69	165	16229	7.307	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	16229	5.607	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	21791	5.261	ng	# 1
76) Benzidine	20.05	184	35464	2.861	ng	# 94

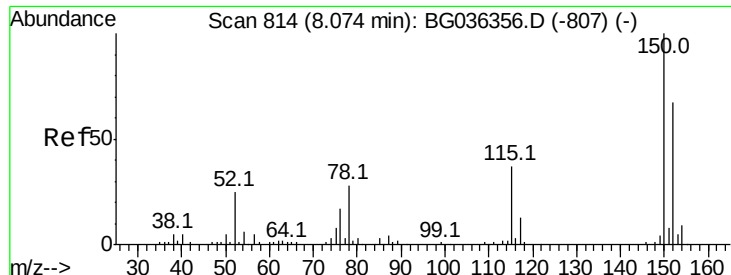
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 813

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

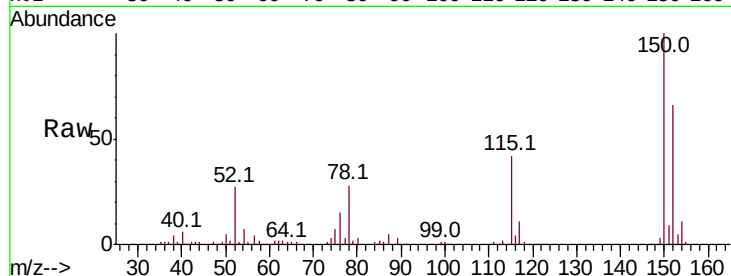
Tot Ion:152 Resp: 46951

Ion Ratio Lower Upper

152 100

150 152.0 119.5 179.3

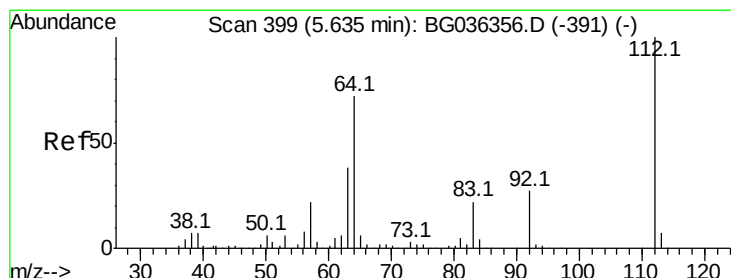
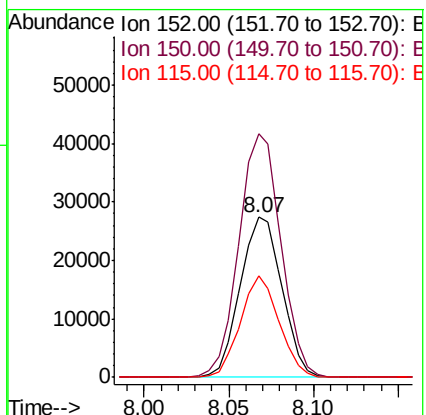
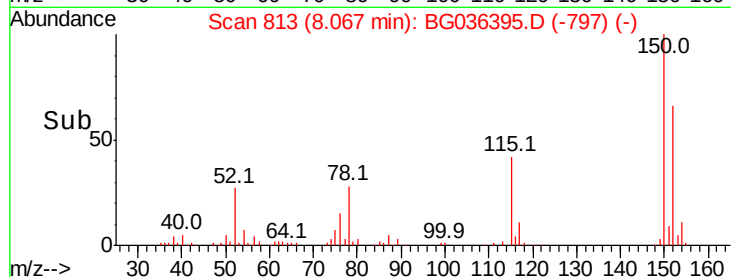
115 63.7 44.5 66.7



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: 77.434 ng

RT: 5.64 min Scan# 399

Delta R.T. 0.00 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

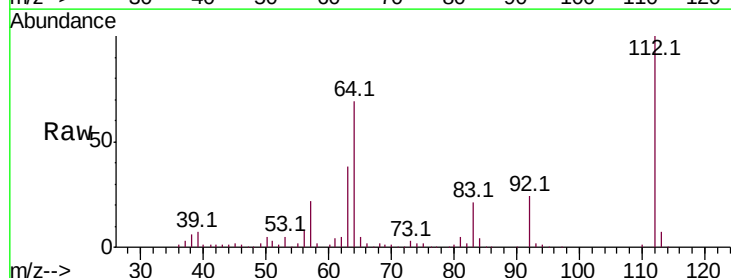
Tgt Ion:112 Resp: 229187

Ion Ratio Lower Upper

112 100

64 68.6 57.2 85.8

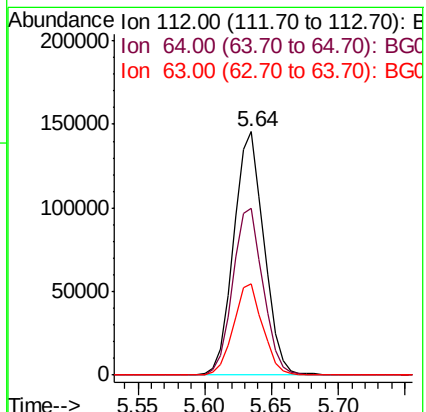
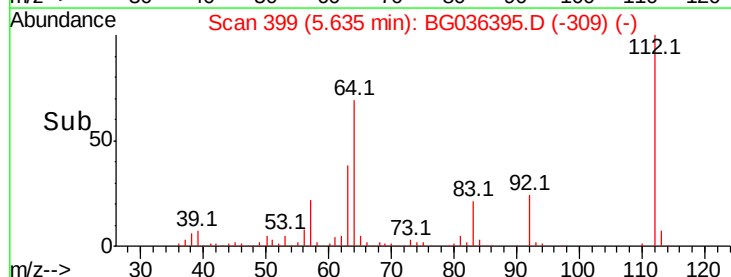
63 37.6 30.8 46.2

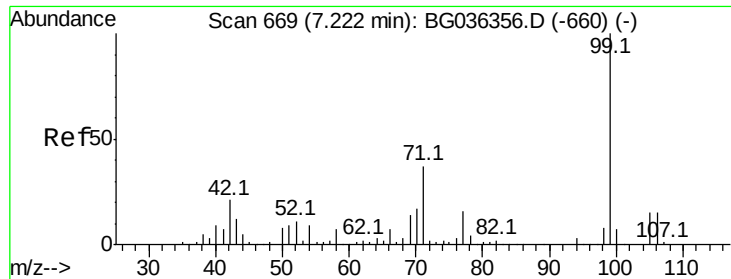


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 47.636 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

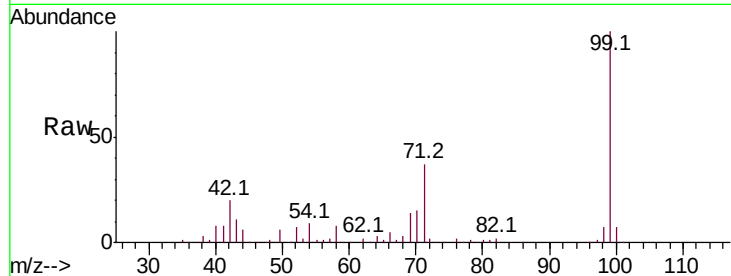
Tot Ion: 99 Resp: 201867

Ion Ratio Lower Upper

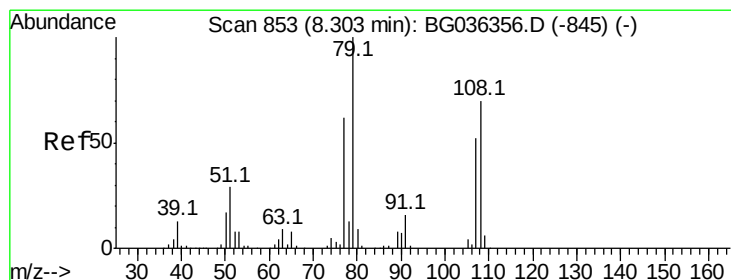
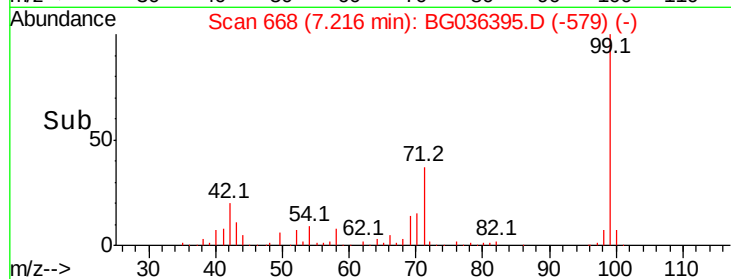
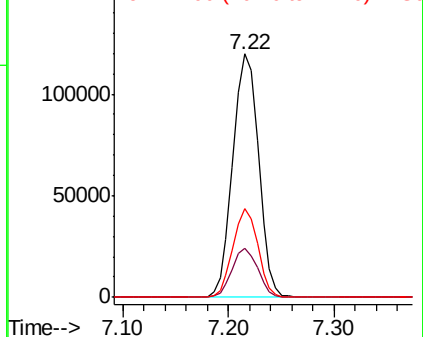
99 100

42 20.2 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: 2.008 ng

RT: 8.39 min Scan# 868

Delta R.T. 0.09 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

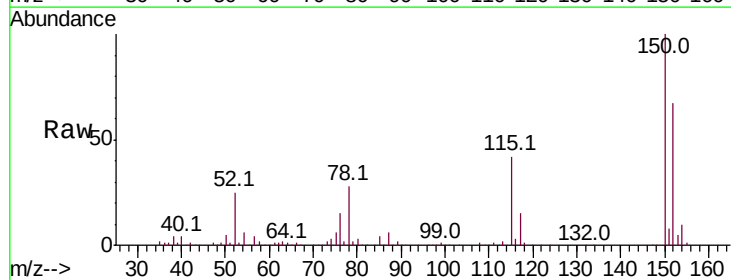
Tgt Ion: 79 Resp: 6861

Ion Ratio Lower Upper

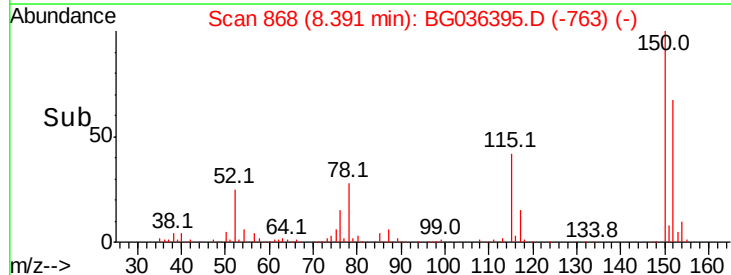
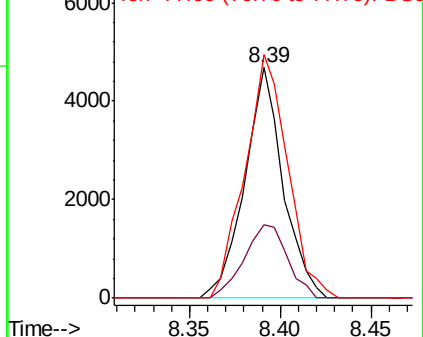
79 100

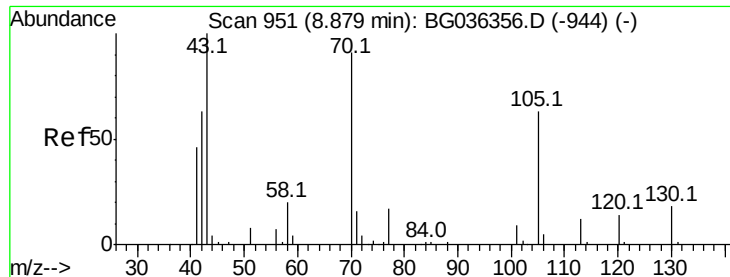
108 31.6 55.9 83.9#

77 105.7 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: 18.481 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 58530

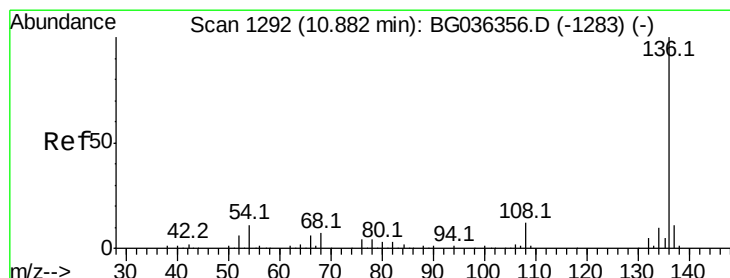
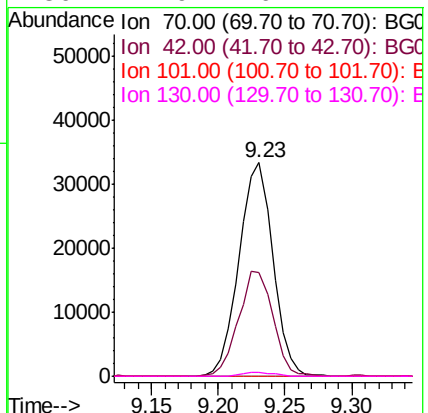
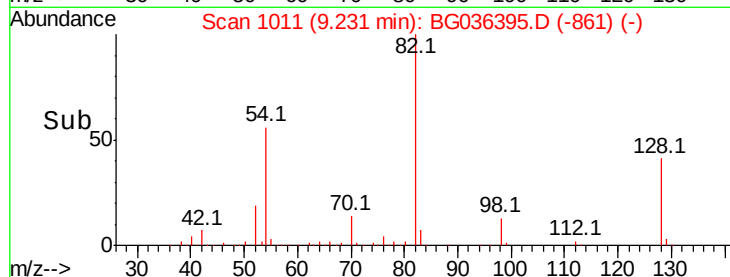
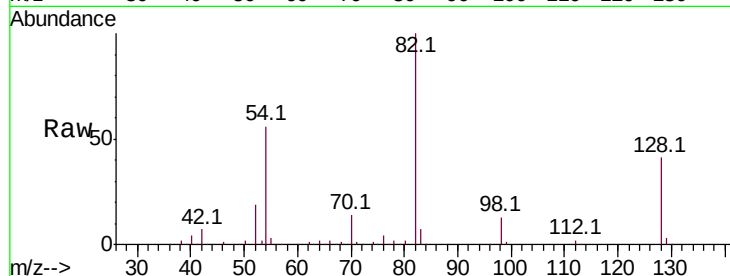
Ion Ratio Lower Upper

70 100

42 48.7 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Tgt Ion: 136 Resp: 196149

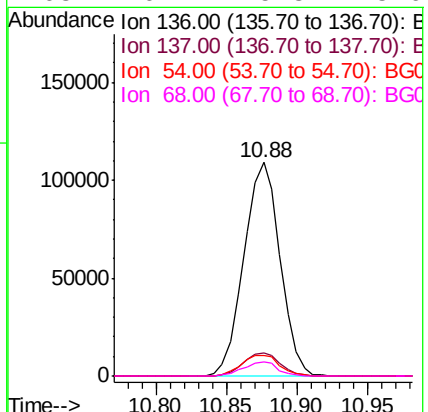
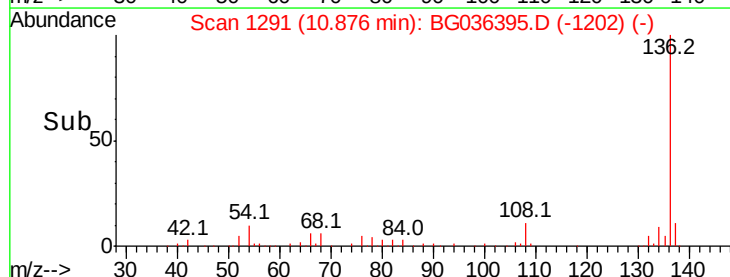
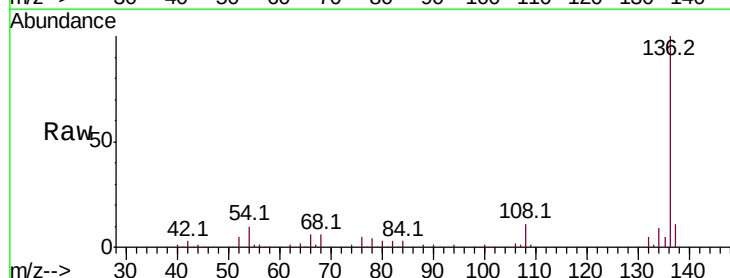
Ion Ratio Lower Upper

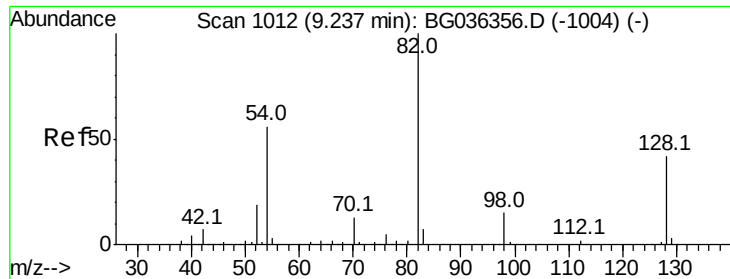
136 100

137 10.9 8.8 13.2

54 9.5 9.2 13.8

68 6.4 5.8 8.6

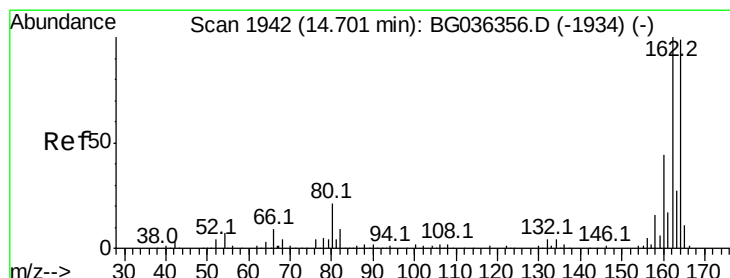
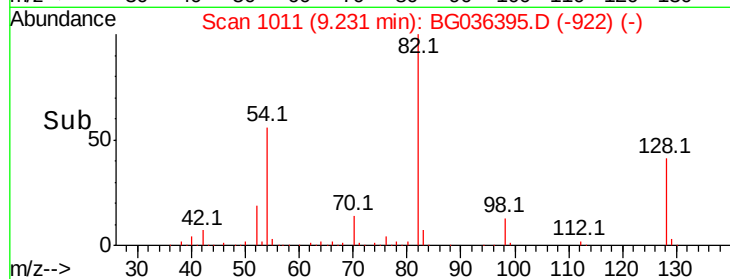
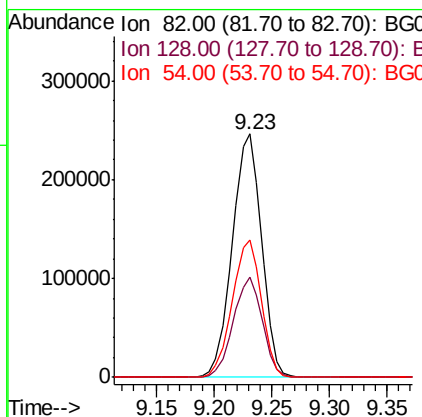
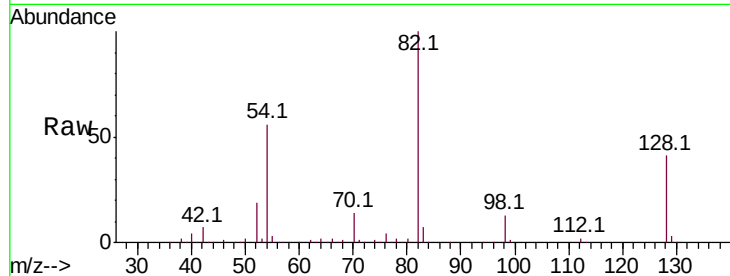




#23
 Nitrobenzene-d5
 Concen: 119.564 ng
 RT: 9.23 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BG036395.D
 Acq: 24 Aug 2018 2:42

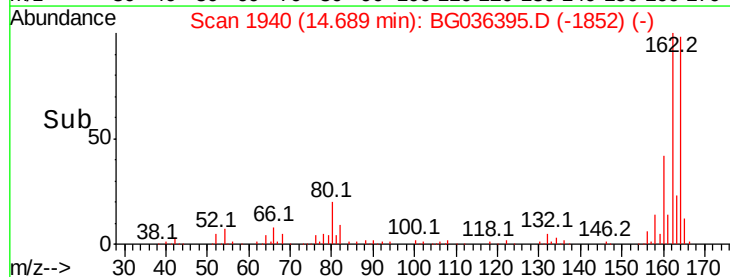
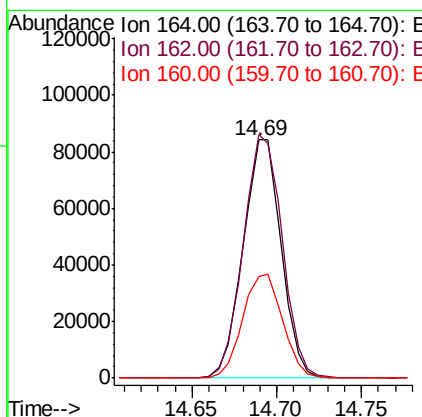
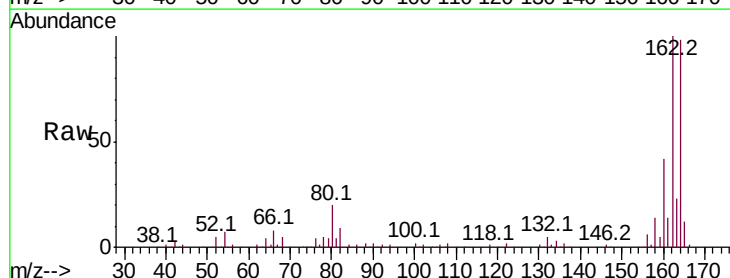
Instrument :
 BNA_G
 ClientSampled :

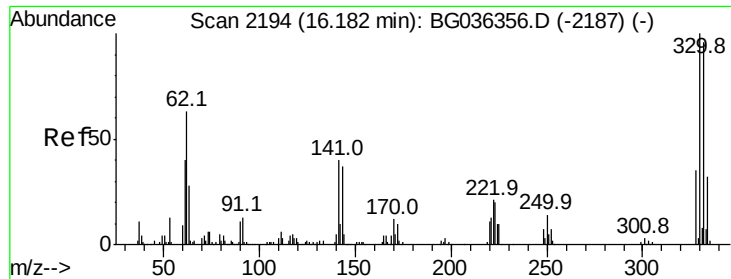
Tot Ion	82	Resp	432247
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.3	49.9
54	56.2	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG036395.D
 Acq: 24 Aug 2018 2:42

Tgt Ion	164	Resp	132180
Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.7	121.1
160	42.7	35.3	52.9

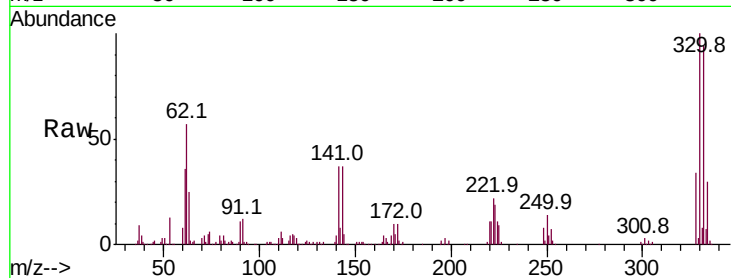




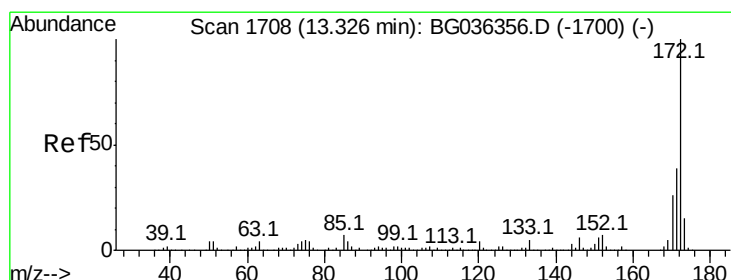
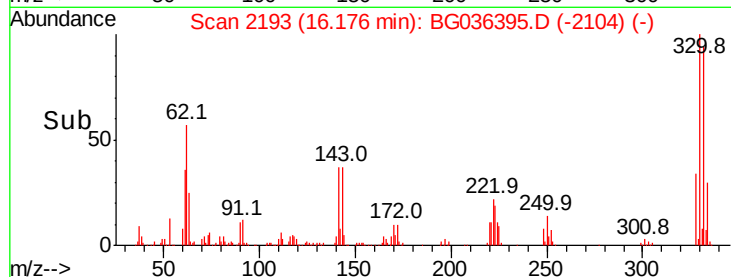
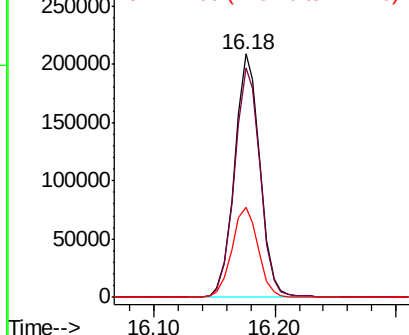
#41
 2,4,6-Tribromophenol
 Concen: 193.768 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036395.D
 Acq: 24 Aug 2018 2:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.4	113.2
141	38.3	30.7	46.1

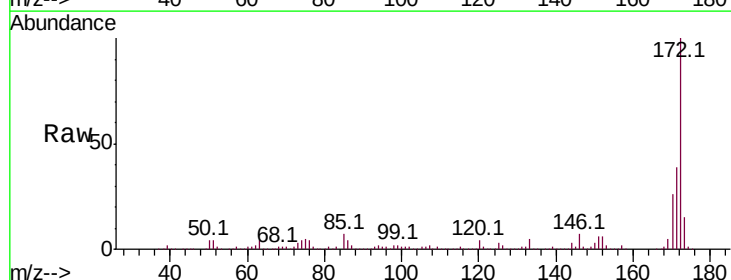


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

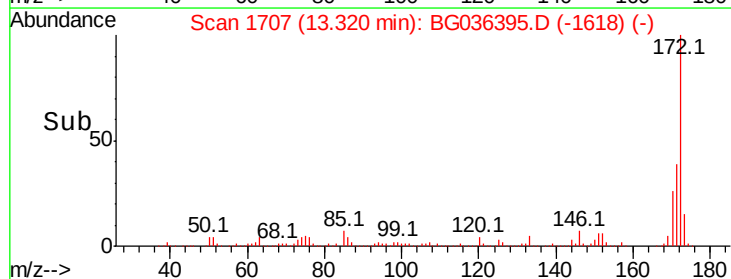
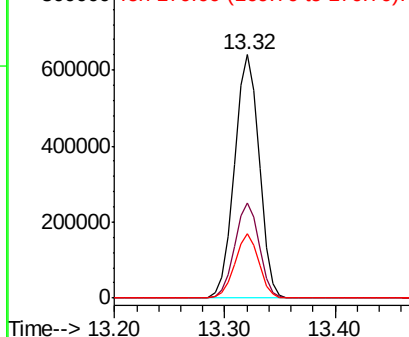


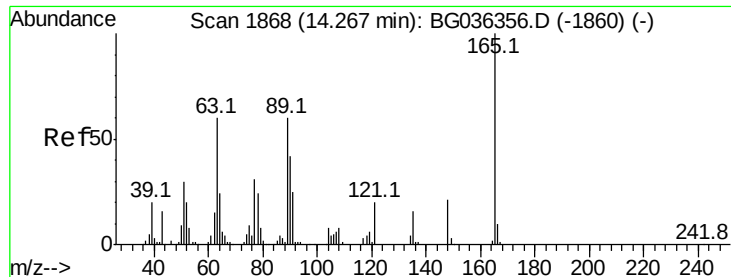
#44
 2-Fluorobiphenyl
 Concen: 108.855 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036395.D
 Acq: 24 Aug 2018 2:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.3	46.9
170	26.3	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

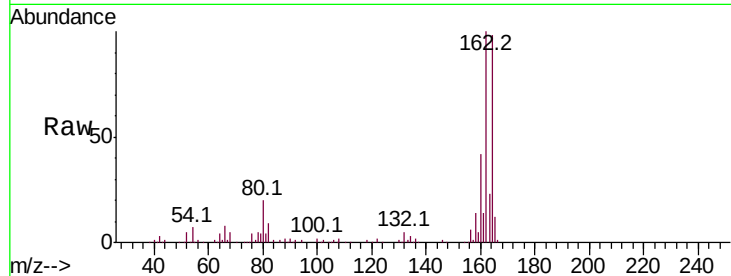




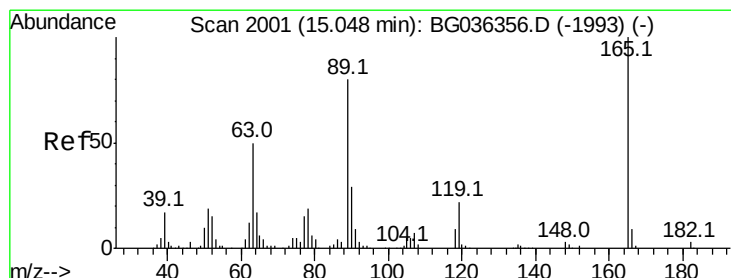
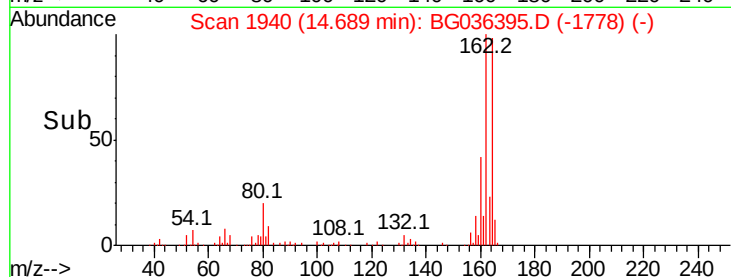
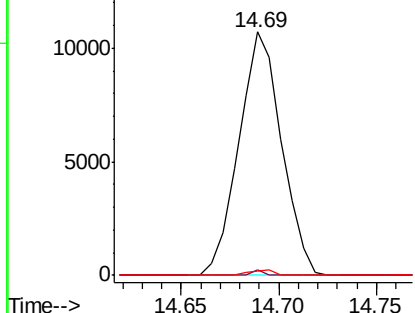
#50
2,6-Dinitrotoluene
Concen: 7.307 ng
RT: 14.69 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG036395.D
Acq: 24 Aug 2018 2:42

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	1.8	47.8	71.6#

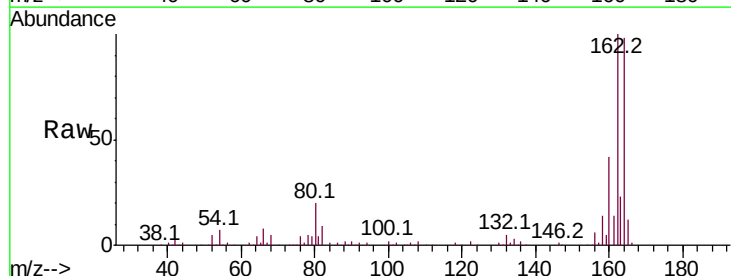


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

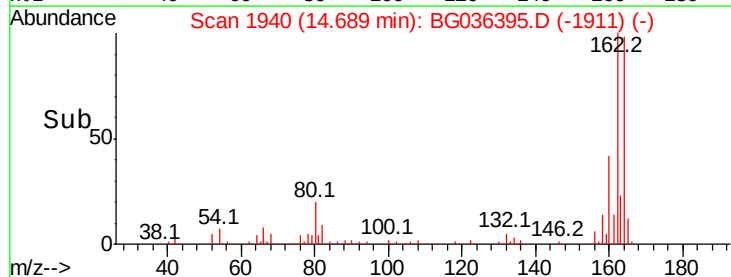
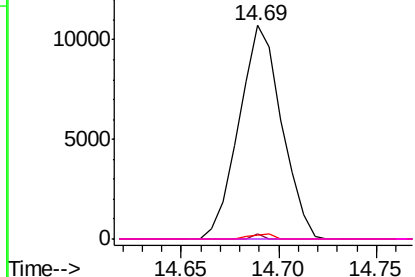


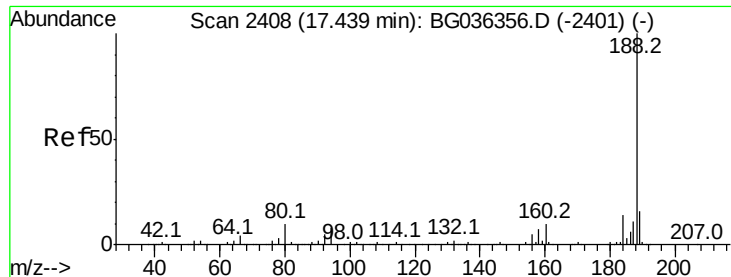
#56
2,4-Dinitrotoluene
Concen: 5.607 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG036395.D
Acq: 24 Aug 2018 2:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	1.8	63.7	95.5#
182	0.0	2.5	3.7#



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: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

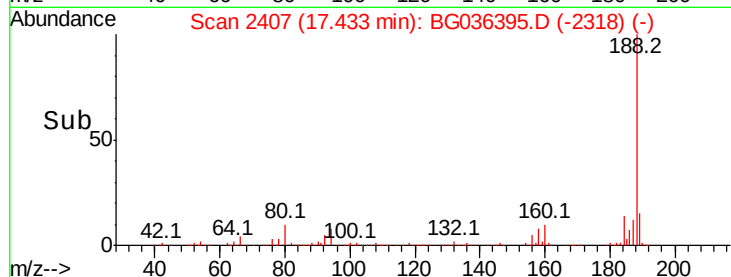
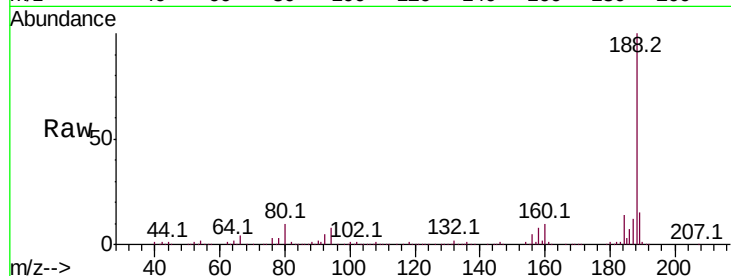
Tot Ion:188 Resp: 353780

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

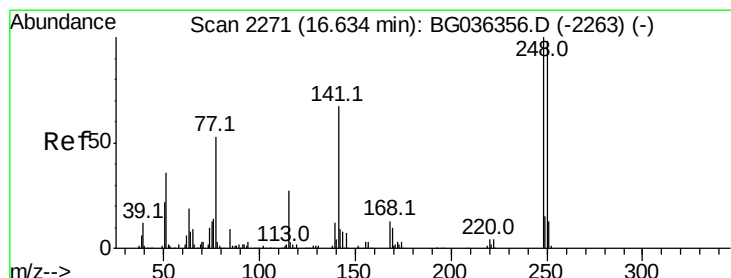
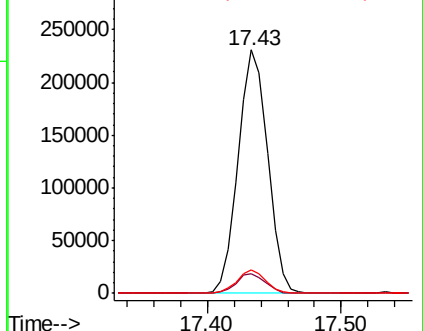
80 9.9 8.1 12.1



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: 5.261 ng

RT: 16.18 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

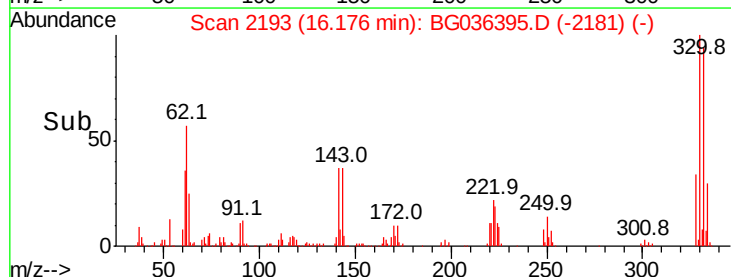
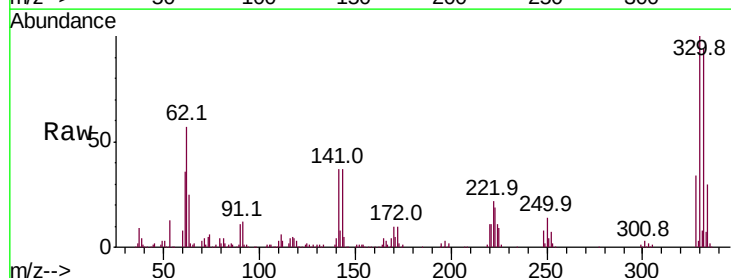
Tgt Ion:248 Resp: 21791

Ion Ratio Lower Upper

248 100

250 181.3 78.1 117.1#

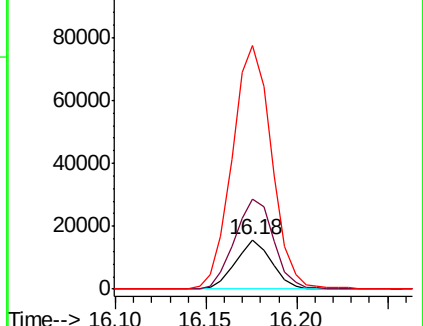
141 489.9 53.7 80.5#

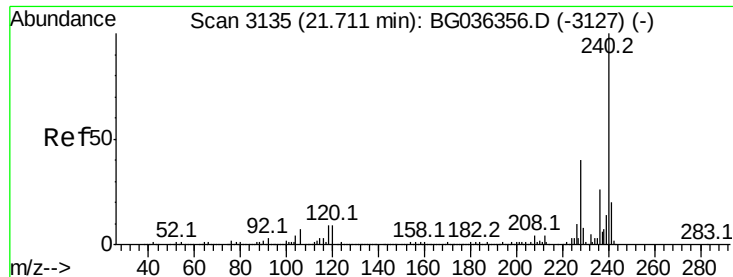


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

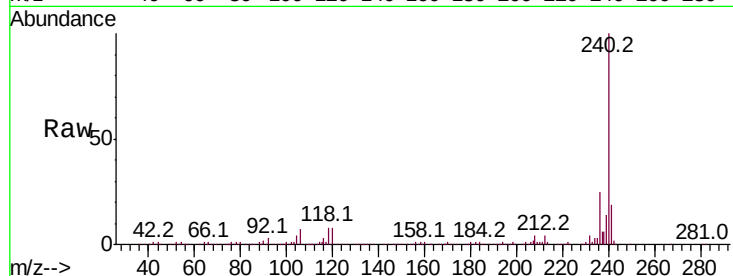
Tot Ion:240 Resp: 388582

Ion Ratio Lower Upper

240 100

120 7.8 6.9 10.3

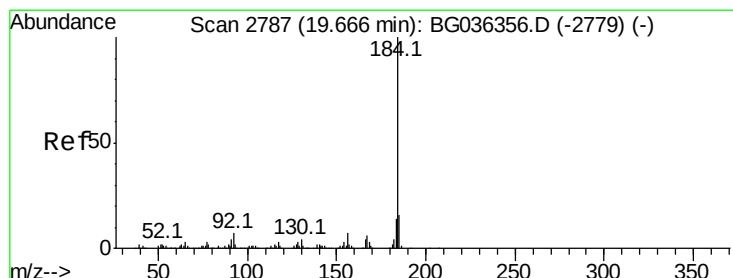
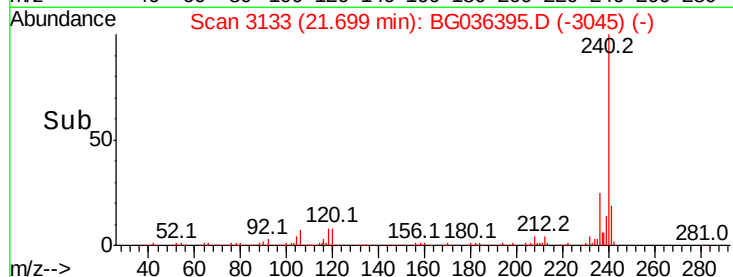
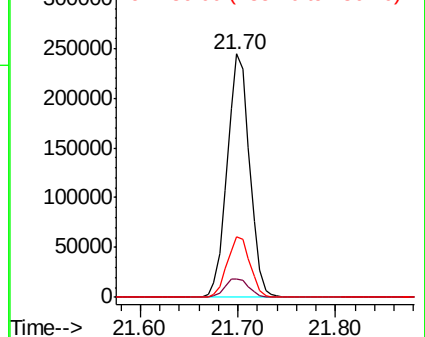
236 25.1 21.2 31.8



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: 2.861 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

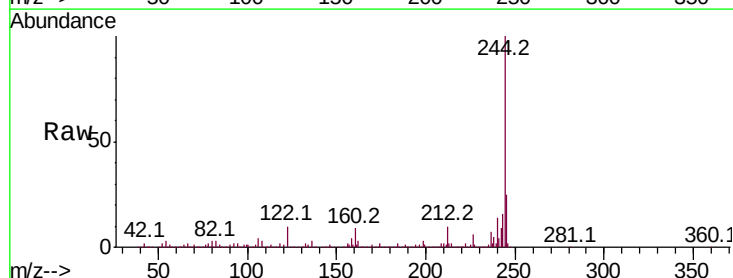
Tgt Ion:184 Resp: 35464

Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

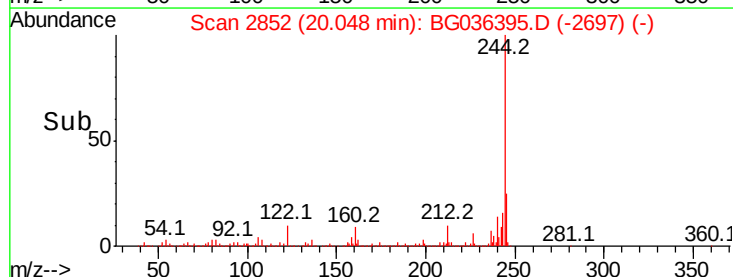
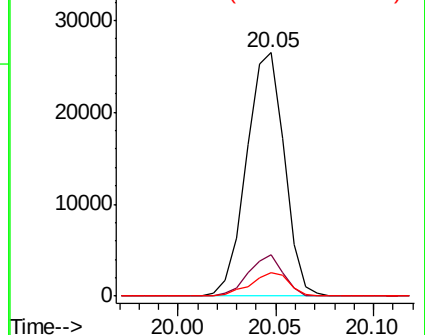
183 9.7 10.9 16.3#

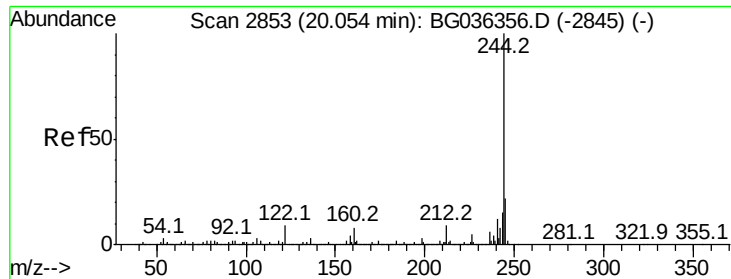


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.722 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

Instrument :

BNA_G

ClientSampleId :

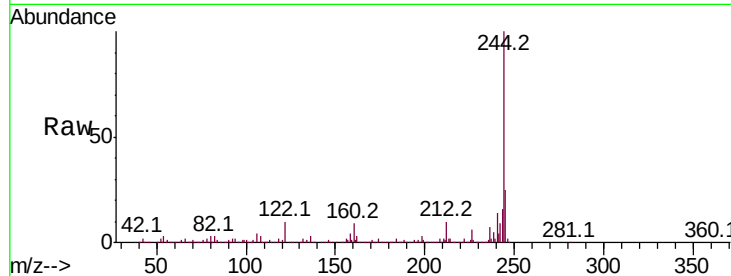
Tot Ion:244 Resp: 1840756

Ion Ratio Lower Upper

244 100

212 10.2 7.0 10.6

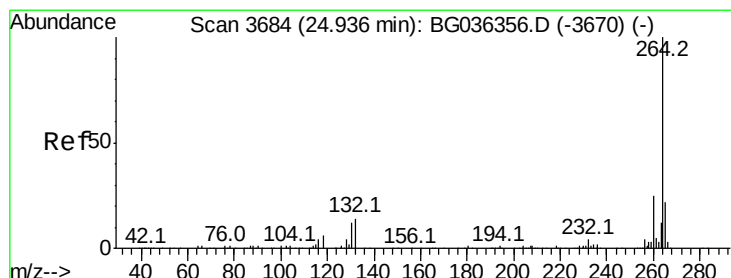
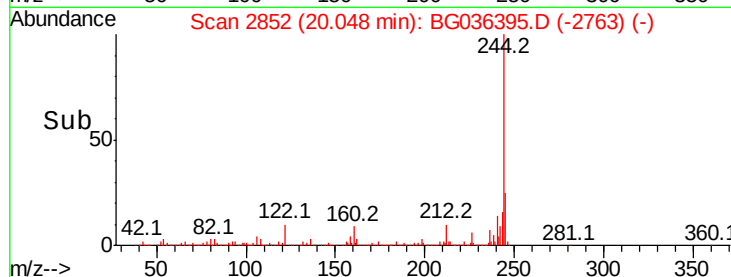
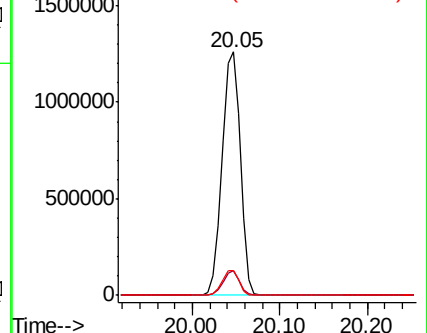
122 10.1 7.1 10.7



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: 24.92 min Scan# 3681

Delta R.T. -0.02 min

Lab File: BG036395.D

Acq: 24 Aug 2018 2:42

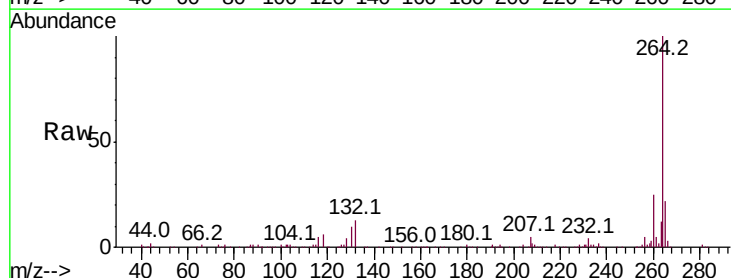
Tgt Ion:264 Resp: 394462

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 22.2 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

