

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
 Data File : BG036715.D
 Acq On : 14 Sep 2018 21:19
 Operator : JU/SJ
 Sample : J4892-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 15 02:11:55 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

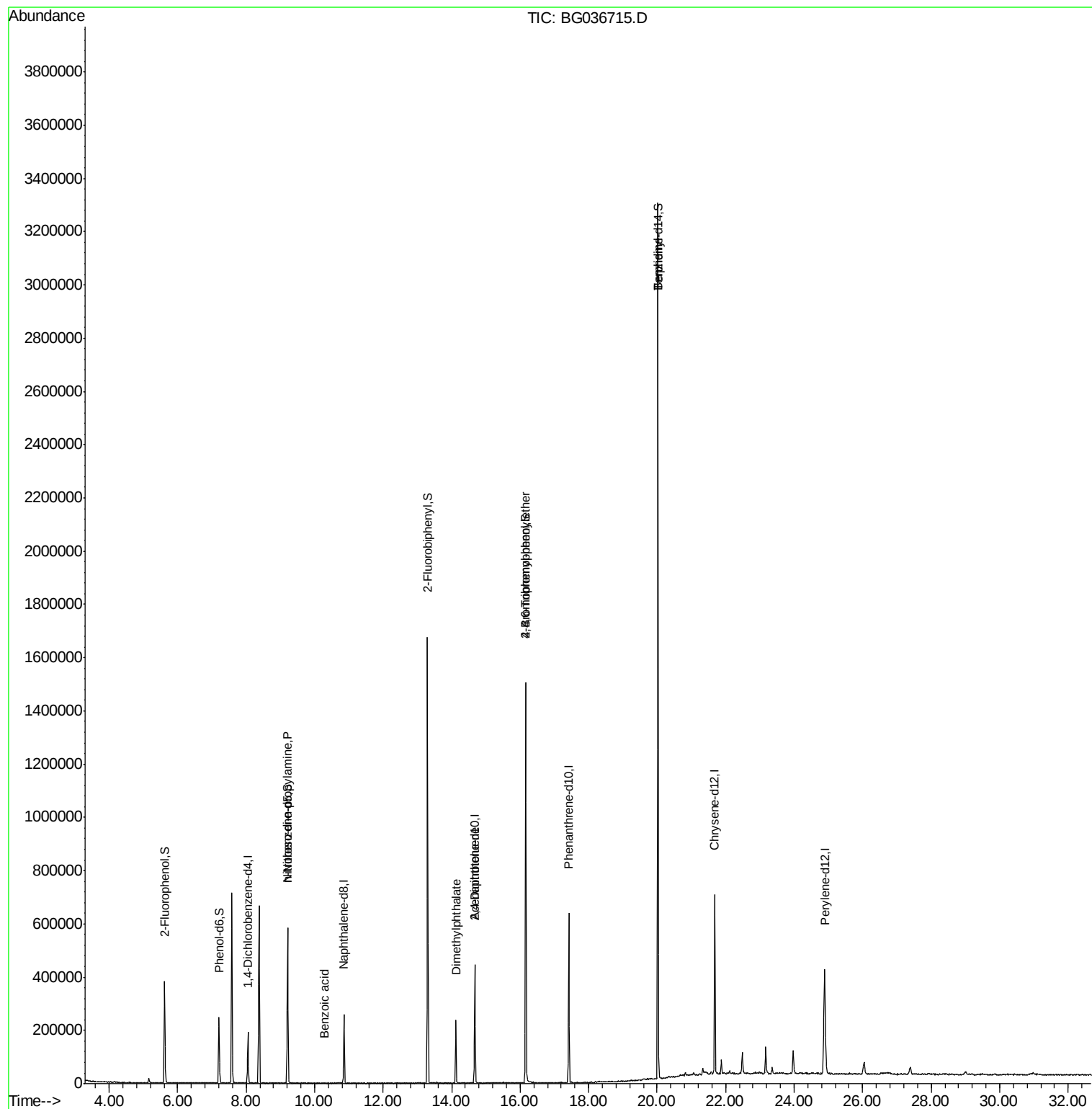
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	53272	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	223210	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	155936	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	410650	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	400585	20.00	ng	-0.01
86) Perylene-d12	24.89	264	407456	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	162131	48.28	ng	0.00
7) Phenol-d6	7.20	99	141587	29.45	ng	-0.01
23) Nitrobenzene-d5	9.21	82	360498	87.63	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	292871	157.40	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	880971	80.67	ng	0.00
78) Terphenyl-d14	20.02	244	1526398	89.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	48015	13.362	ng	# 67
32) Benzoic acid	10.29	122	91	4.513	ng	# 1
49) Dimethylphthalate	14.12	163	159562	12.531	ng	99
56) 2,4-Dinitrotoluene	14.68	165	19591	5.737	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	20613	4.287	ng	# 1
76) Benzidine	20.02	184	26116	2.043	ng	# 92

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

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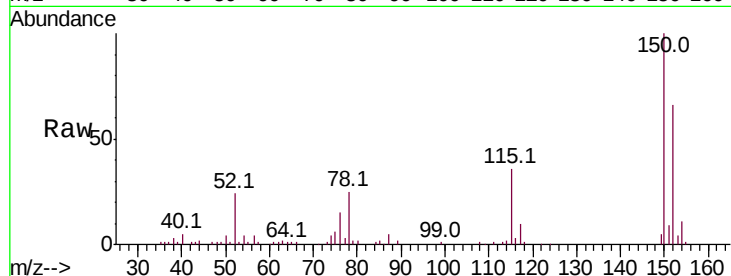


#1

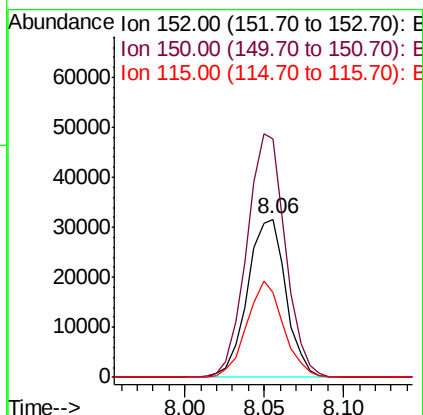
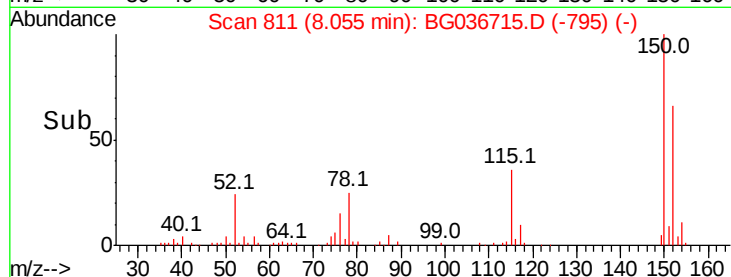
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036715.D
Acq: 14 Sep 2018 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	119.5	179.3
115	53.5	44.5	66.7



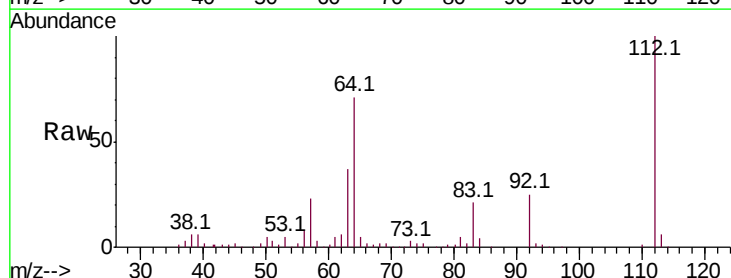
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



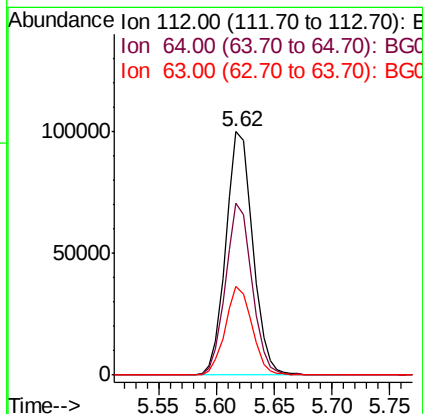
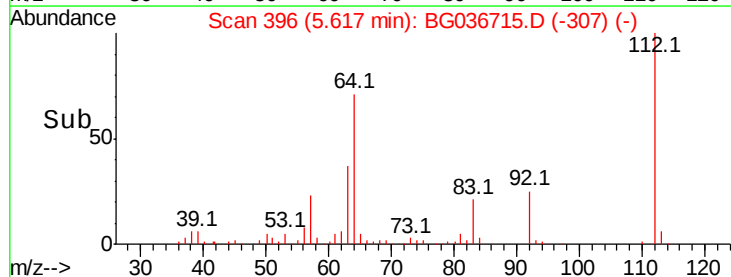
#5

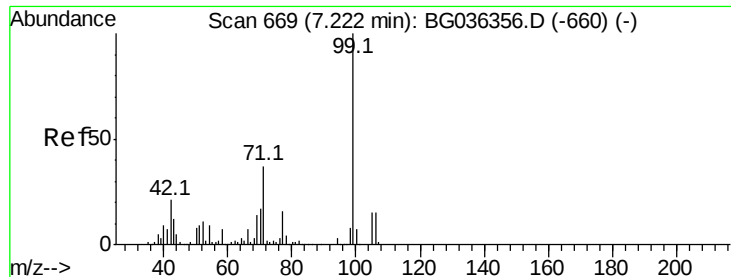
2-Fluorophenol
Concen: 48.278 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036715.D
Acq: 14 Sep 2018 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	57.2	85.8
63	36.7	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: 29.447 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Instrument :

BNA_G

ClientSampled :

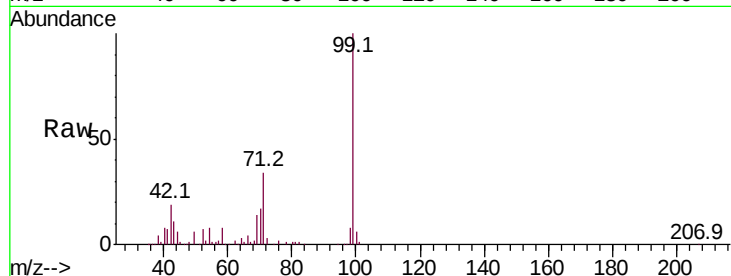
Tot Ion: 99 Resp: 141587

Ion Ratio Lower Upper

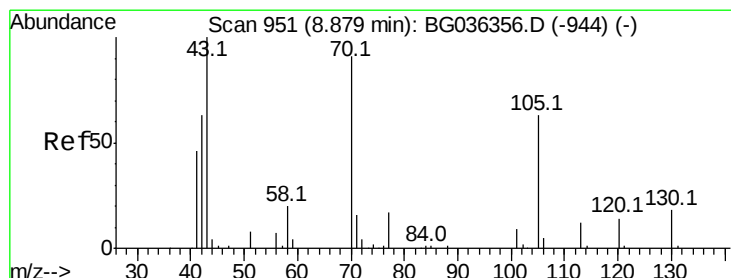
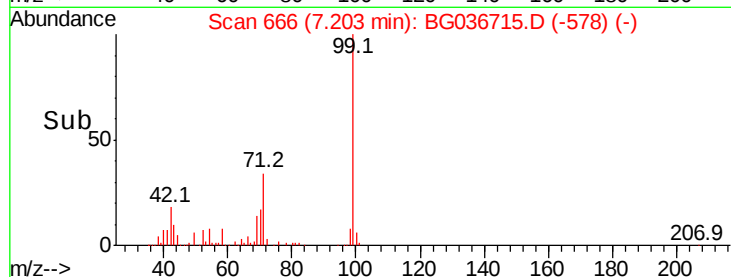
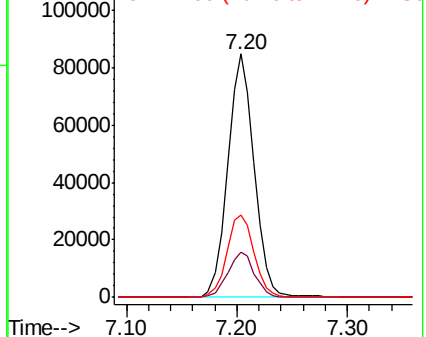
99 100

42 18.5 16.5 24.7

71 34.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.362 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Tgt Ion: 70 Resp: 48015

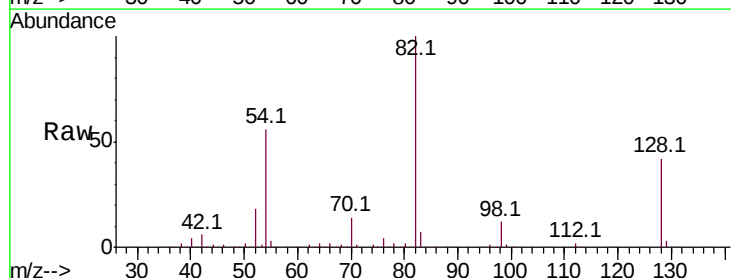
Ion Ratio Lower Upper

70 100

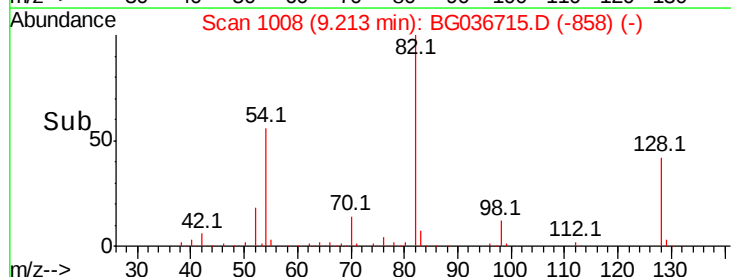
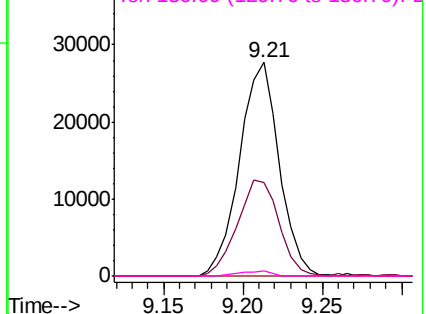
42 43.8 56.2 84.4#

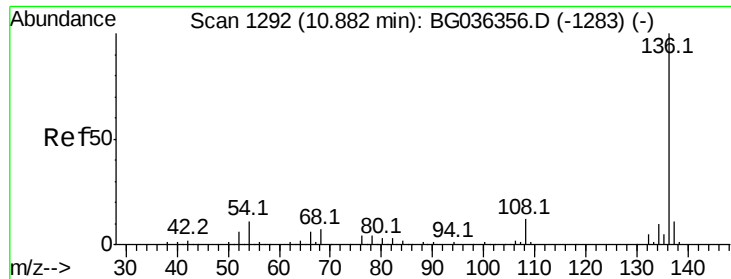
101 0.0 7.8 11.6#

130 2.2 16.2 24.2#



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

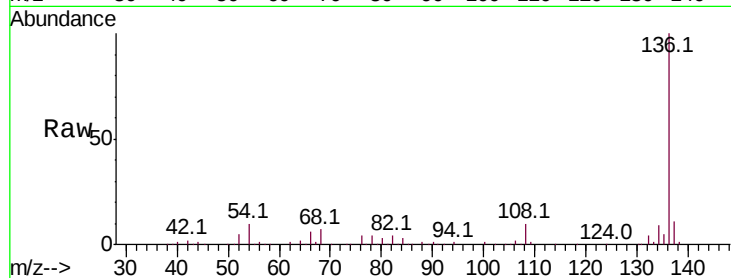




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036715.D
Acq: 14 Sep 2018 21:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	223210
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.5	9.2	13.8
68	6.5	5.8	8.6



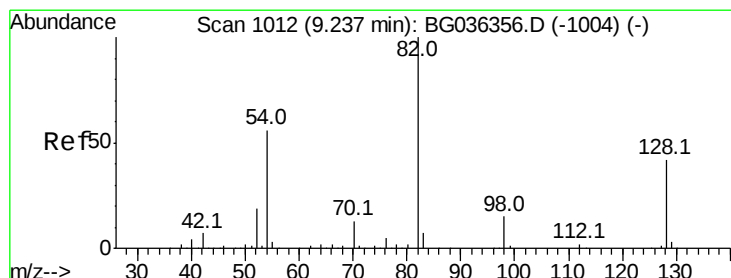
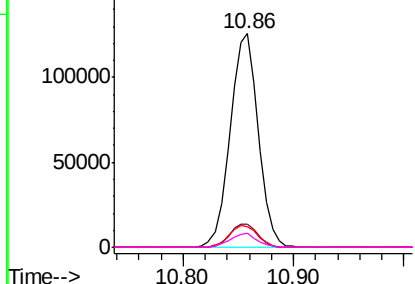
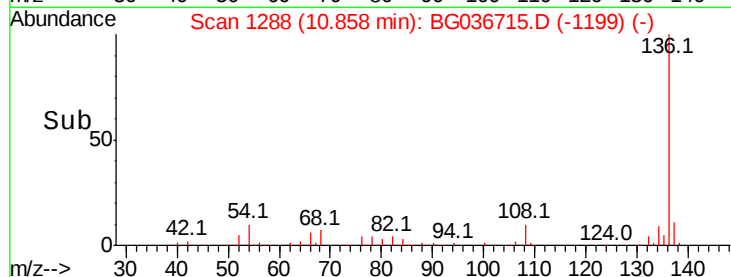
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

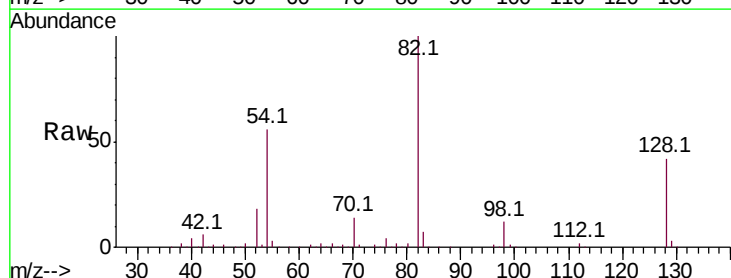
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 87.628 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036715.D
Acq: 14 Sep 2018 21:19

Tgt Ion:	82	Resp:	360498
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.3	49.9
54	55.7	45.1	67.7

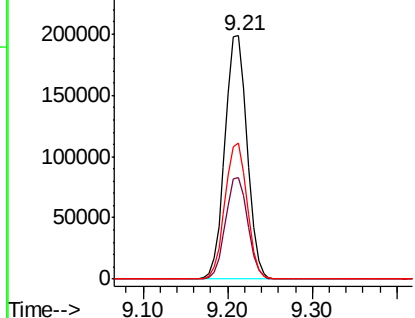
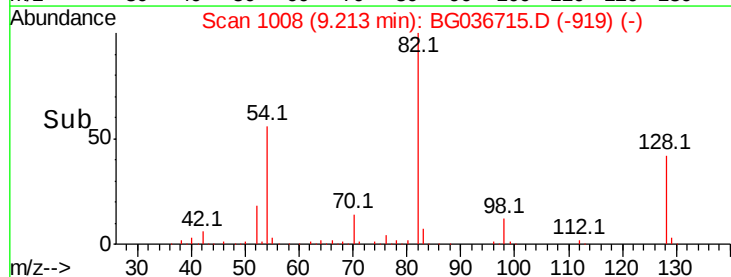


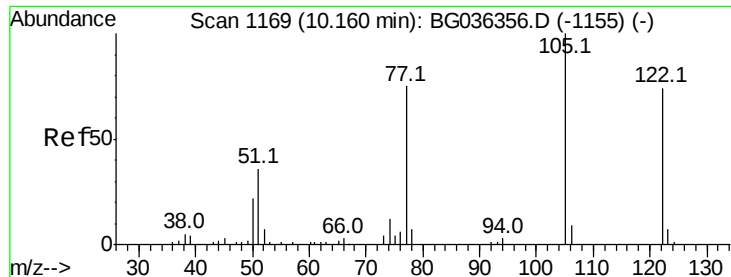
Abundance

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





#32

Benzoic acid

Concen: 4.513 ng

RT: 10.29 min Scan# 1191

Delta R.T. 0.13 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Instrument :

BNA_G

ClientSampleId :

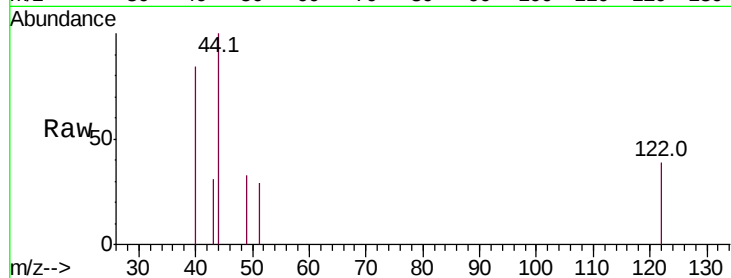
Tot Ion:122 Resp: 91

Ion Ratio Lower Upper

122 100

105 0.0 108.1 148.1#

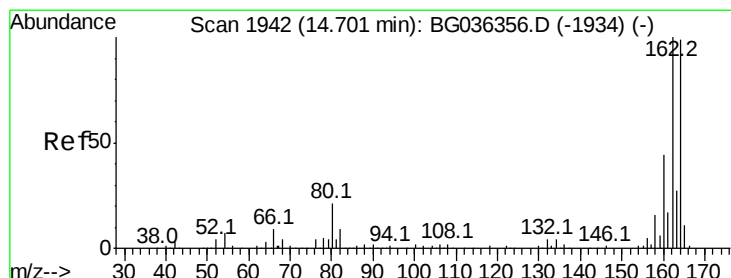
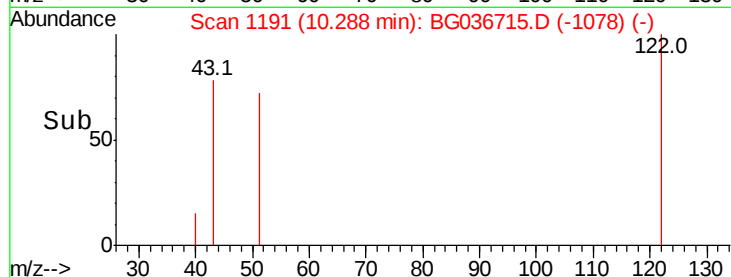
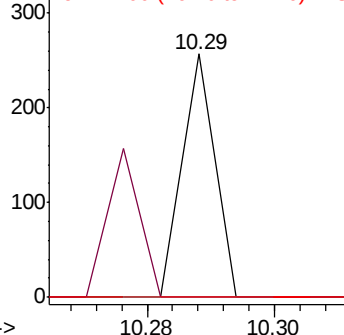
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

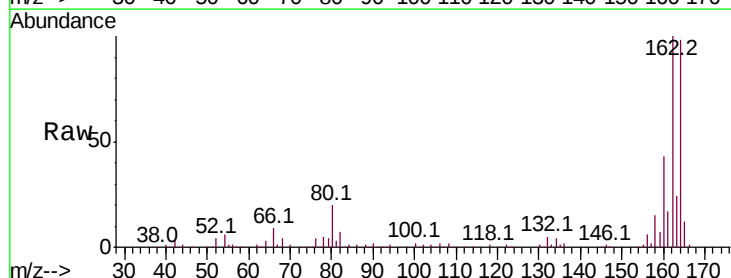
Tgt Ion:164 Resp: 155936

Ion Ratio Lower Upper

164 100

162 102.0 80.7 121.1

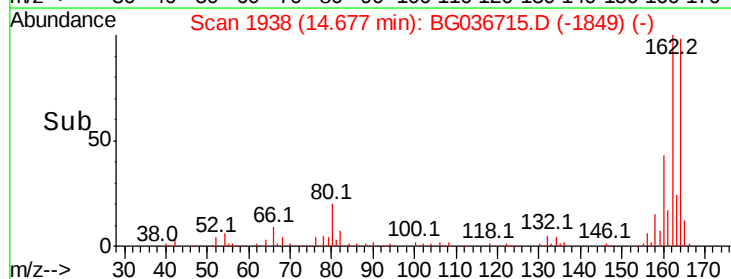
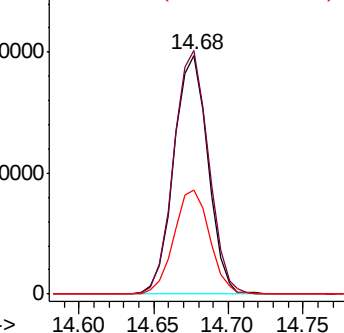
160 43.8 35.3 52.9

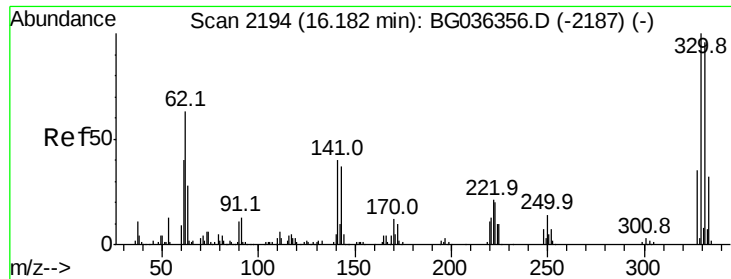


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

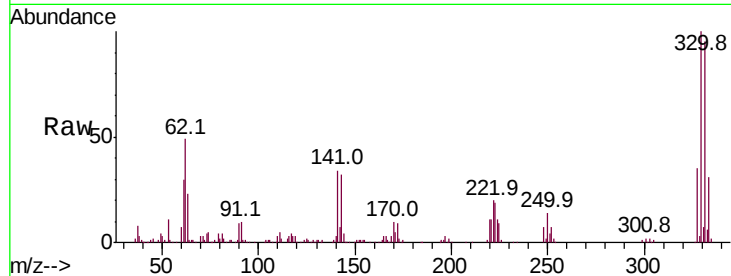




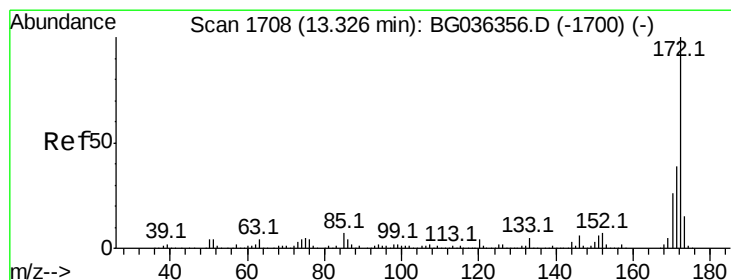
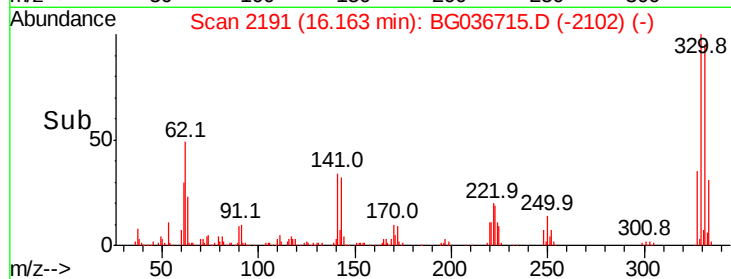
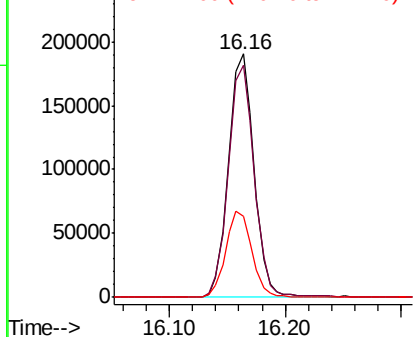
#41
 2,4,6-Tribromophenol
 Concen: 157.401 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036715.D
 Acq: 14 Sep 2018 21:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.4	113.2
141	36.4	30.7	46.1

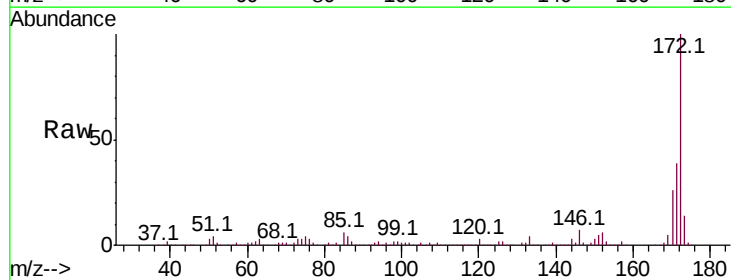


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

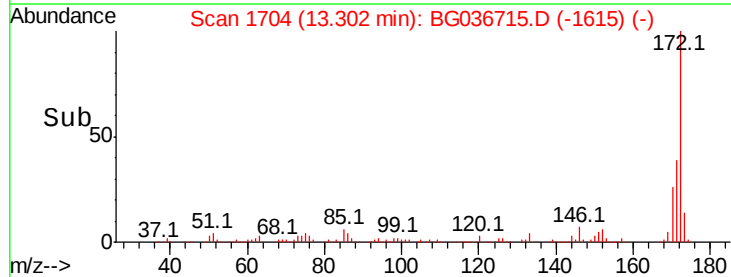
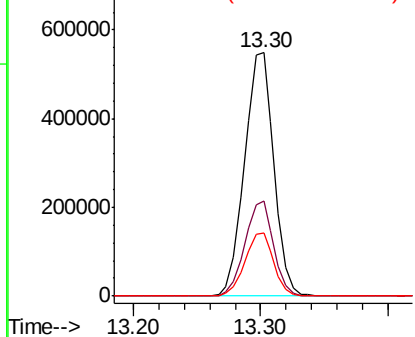


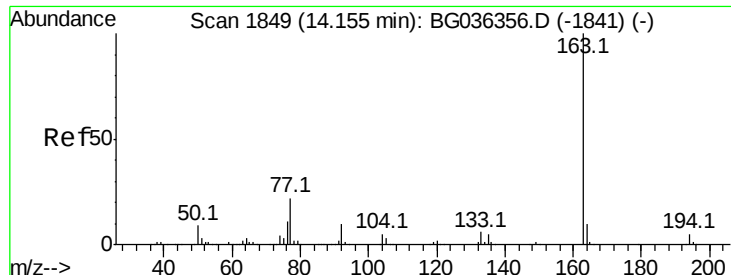
#44
 2-Fluorobiphenyl
 Concen: 80.666 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036715.D
 Acq: 14 Sep 2018 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.3	46.9
170	25.7	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

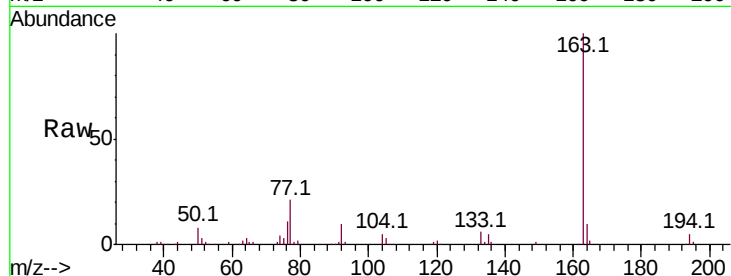




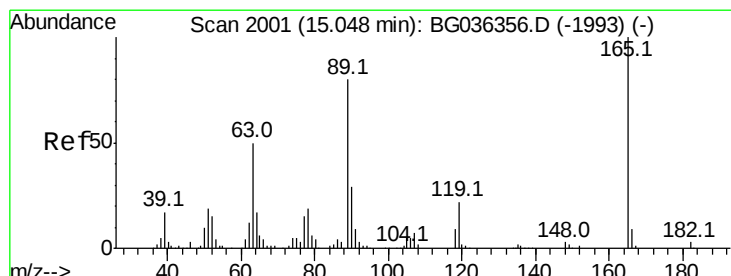
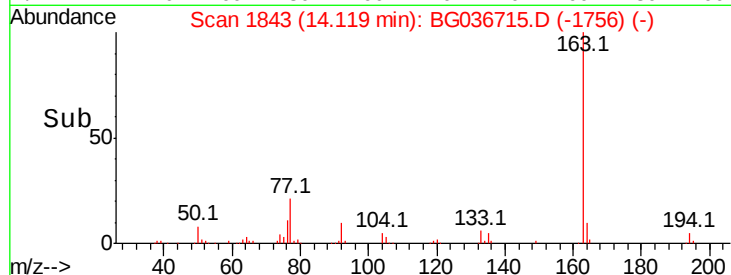
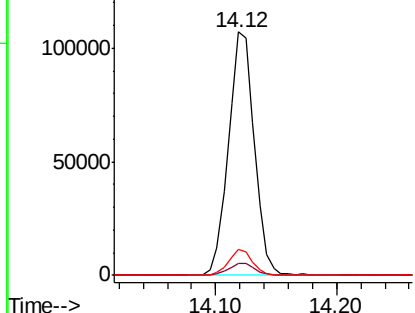
#49
 Dimethylphthalate
 Concen: 12.531 ng
 RT: 14.12 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BG036715.D
 Acq: 14 Sep 2018 21:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.0	6.0
164	10.5	8.1	12.1

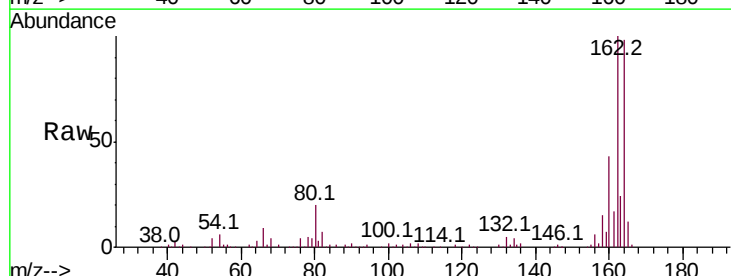


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

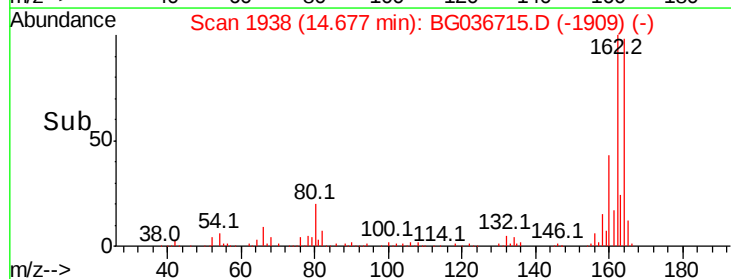
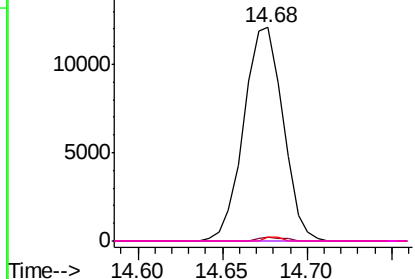


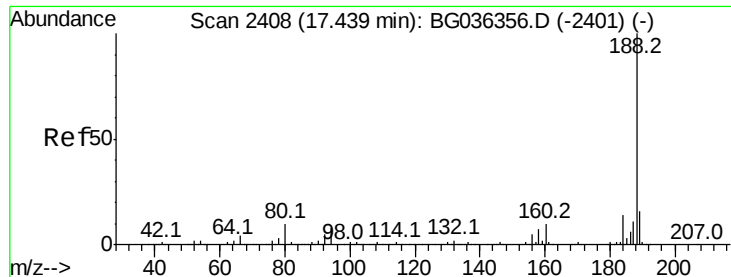
#56
 2,4-Dinitrotoluene
 Concen: 5.737 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036715.D
 Acq: 14 Sep 2018 21:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.1	60.1#
89	2.0	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: 17.41 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Instrument :

BNA_G

ClientSampleId :

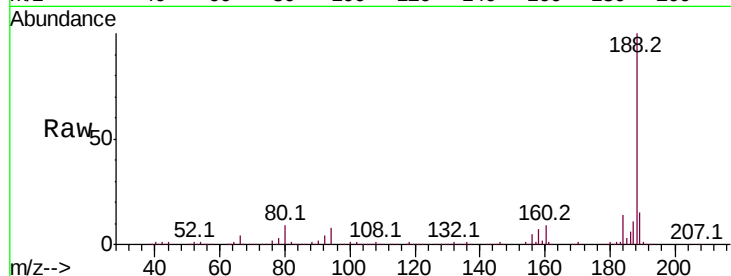
Tot Ion:188 Resp: 410650

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

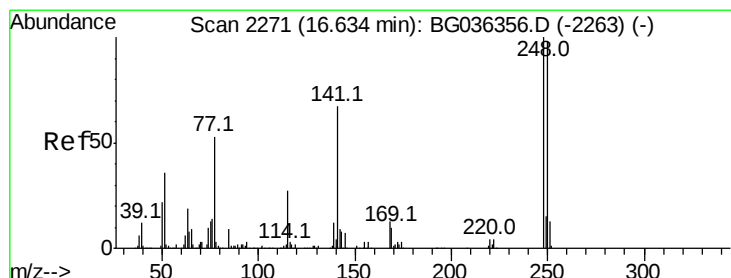
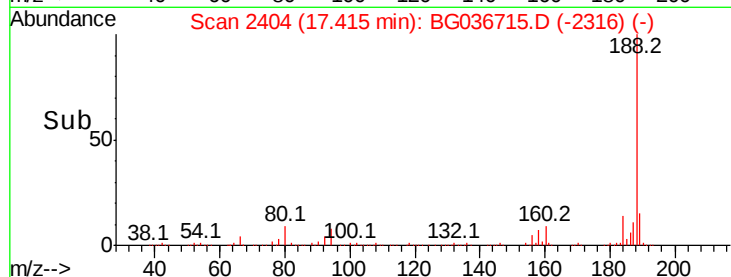
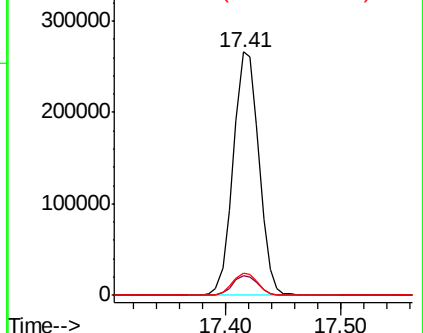
80 9.1 8.1 12.1



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: 4.287 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

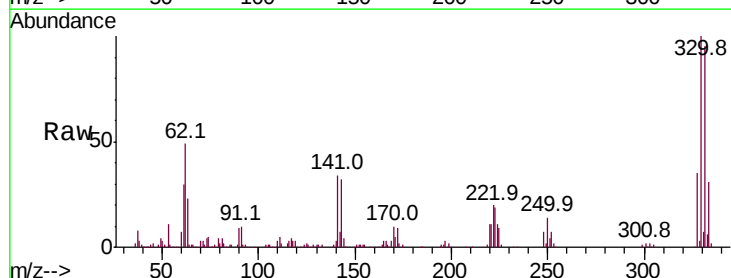
Tgt Ion:248 Resp: 20613

Ion Ratio Lower Upper

248 100

250 203.9 78.1 117.1#

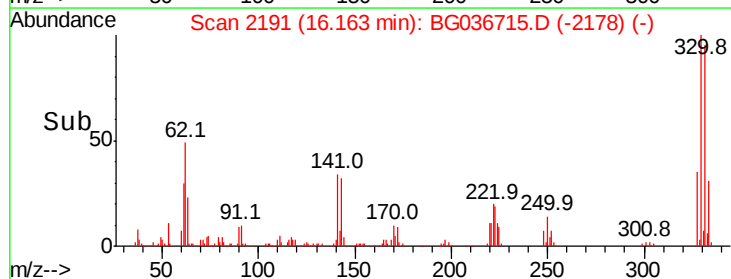
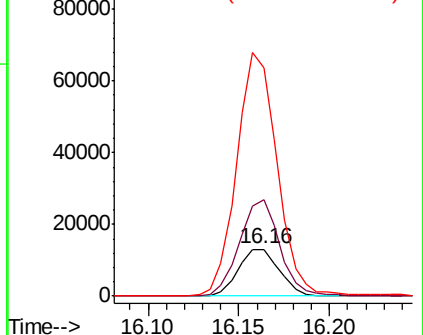
141 486.4 53.7 80.5#

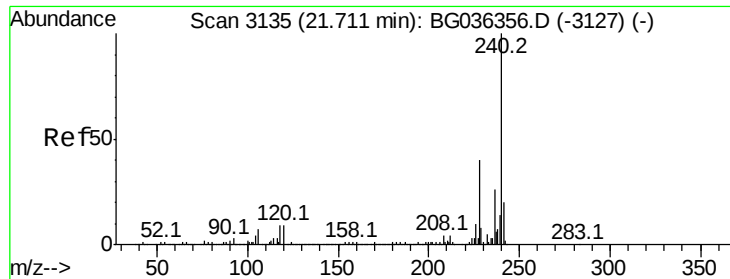


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Instrument :

BNA_G

ClientSampleId :

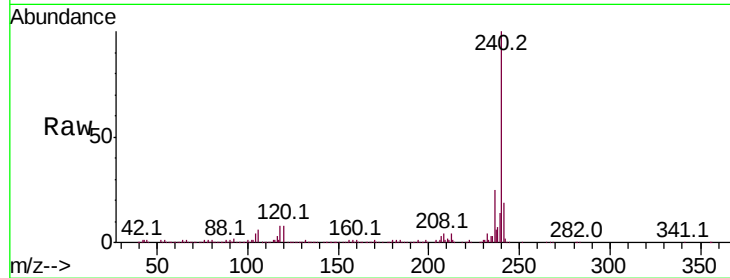
Tot Ion:240 Resp: 400585

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

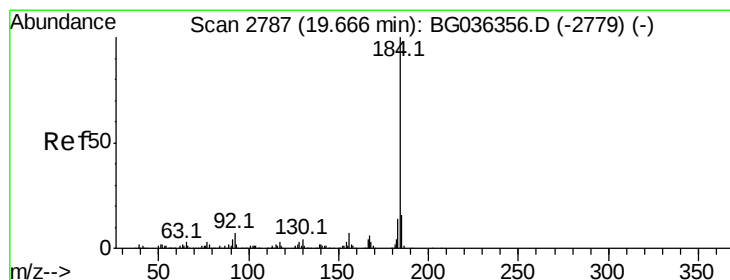
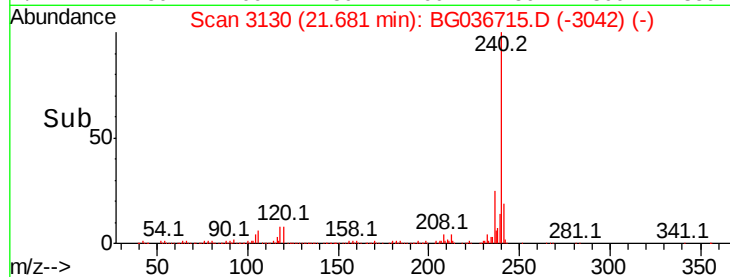
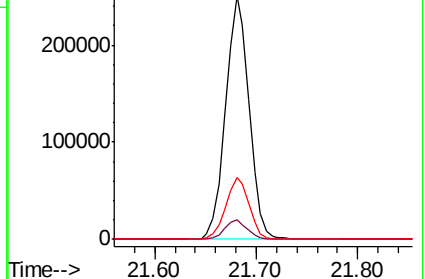
236 25.4 21.2 31.8



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: 2.043 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

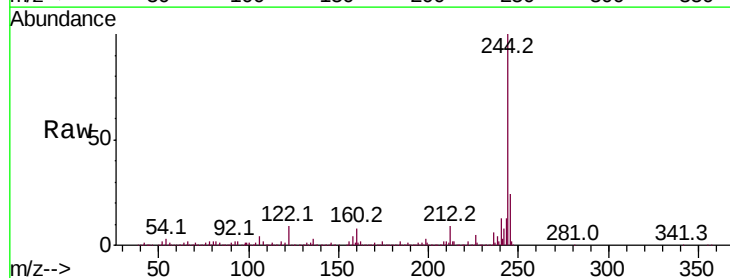
Tgt Ion:184 Resp: 26116

Ion Ratio Lower Upper

184 100

185 18.6 12.6 18.8

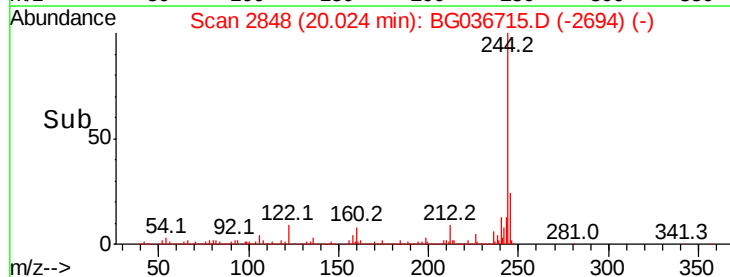
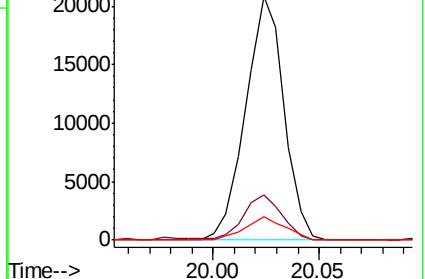
183 9.6 10.9 16.3#

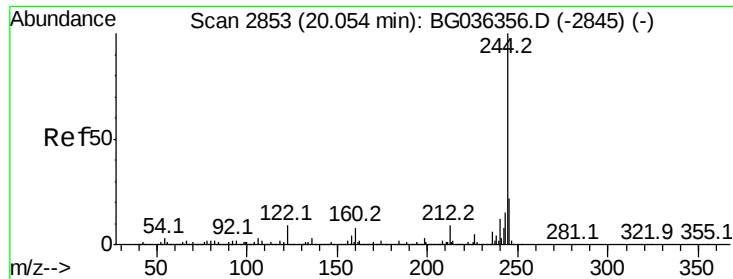


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.063 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

Instrument :

BNA_G

ClientSampled :

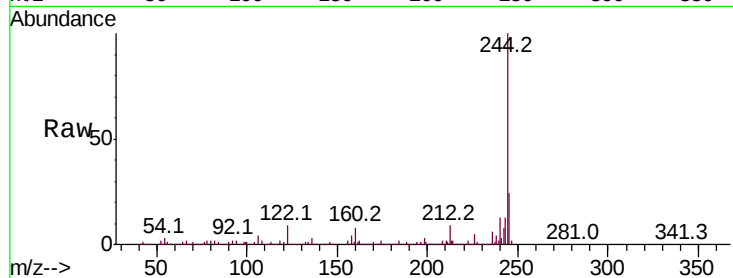
Tot Ion:244 Resp: 1526398

Ion Ratio Lower Upper

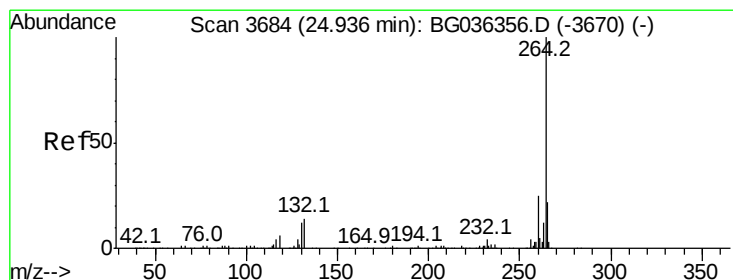
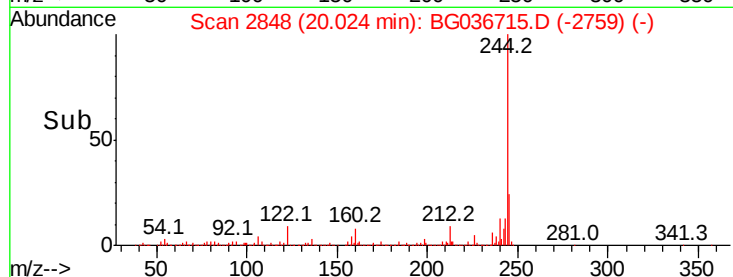
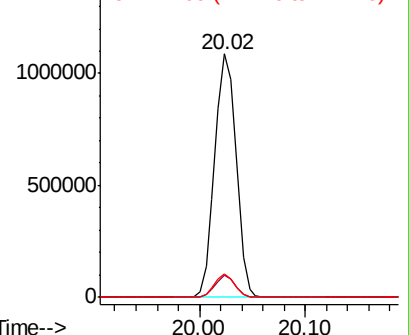
244 100

212 8.9 7.0 10.6

122 9.5 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: 24.89 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BG036715.D

Acq: 14 Sep 2018 21:19

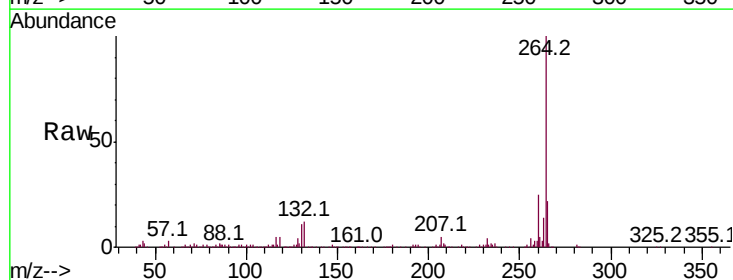
Tgt Ion:264 Resp: 407456

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 22.1 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

