

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036551.D
 Acq On : 5 Sep 2018 4:54
 Operator : JU/SJ
 Sample : J4759-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 06:47:20 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

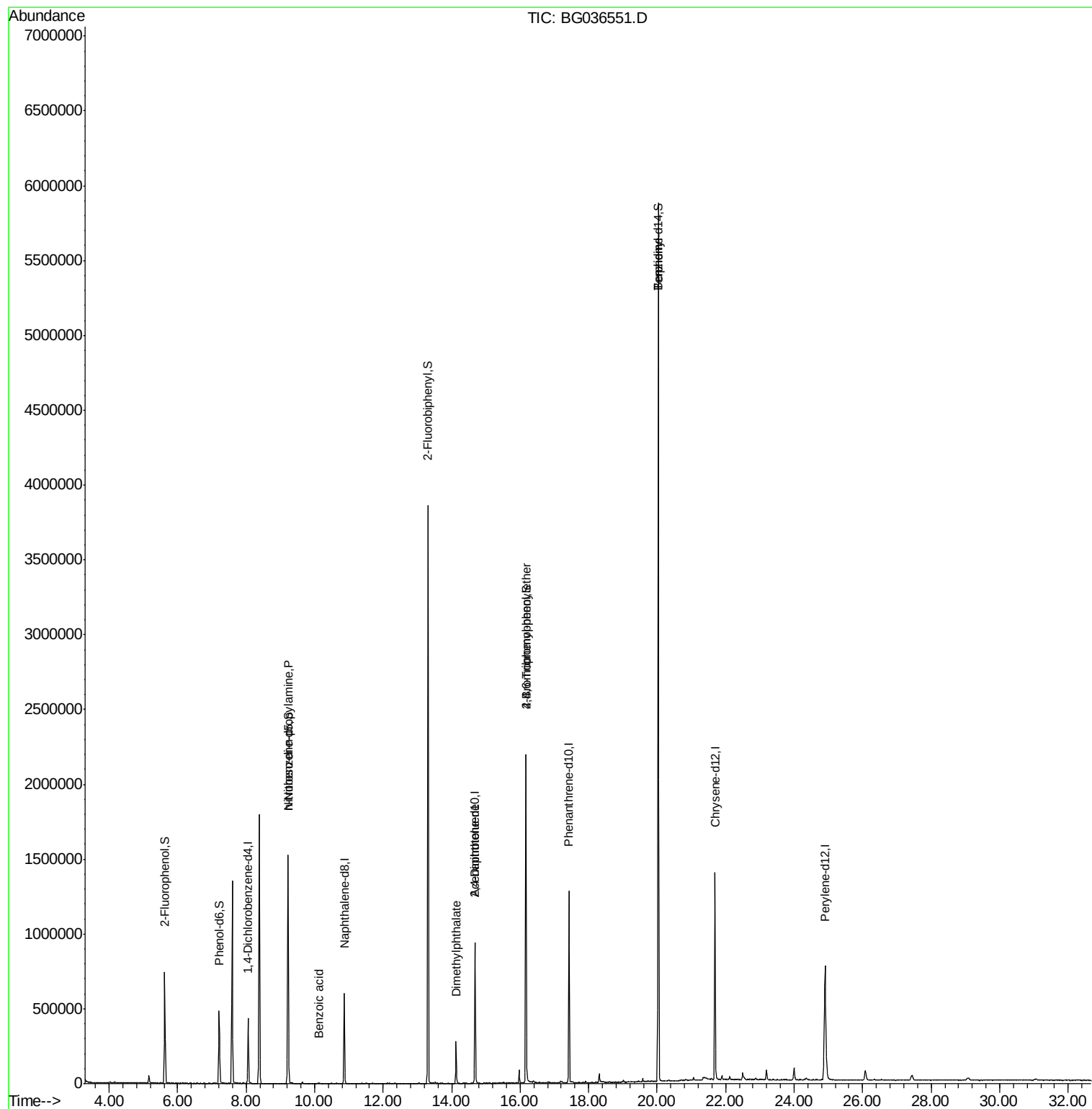
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	123490	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	507132	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	324176	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	807134	20.00	ng	0.00
75) Chrysene-d12	21.69	240	857633	20.00	ng	0.00
86) Perylene-d12	24.90	264	875007	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	327534	42.07	ng	0.00
7) Phenol-d6	7.21	99	281794	25.28	ng	0.00
23) Nitrobenzene-d5	9.22	82	936410	100.18	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	422709	109.28	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1961828	86.41	ng	0.00
78) Terphenyl-d14	20.04	244	2580376	70.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	130732	15.694	ng	# 69
32) Benzoic acid	10.13	122	277	4.525	ng	# 30
49) Dimethylphthalate	14.13	163	190888	7.211	ng	100
56) 2,4-Dinitrotoluene	14.68	165	42653	6.008	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	30874	3.267	ng	# 1
76) Benzidine	20.04	184	55111	2.014	ng	# 95

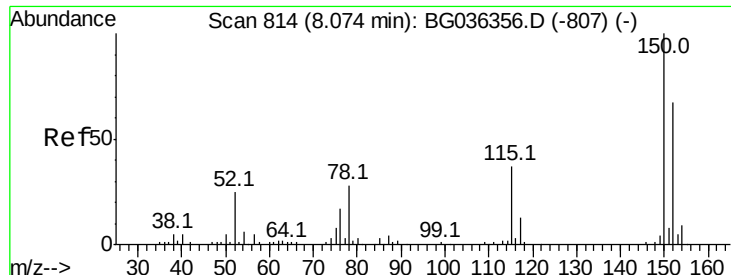
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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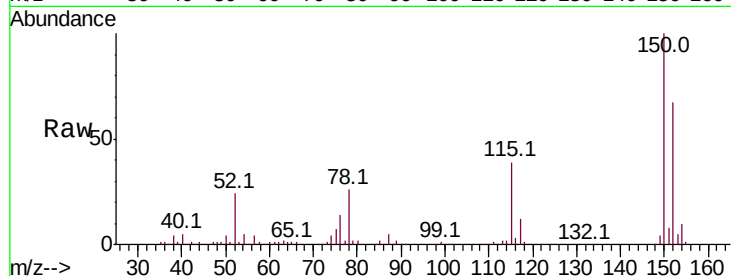


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	119.5	179.3
115	57.5	44.5	66.7

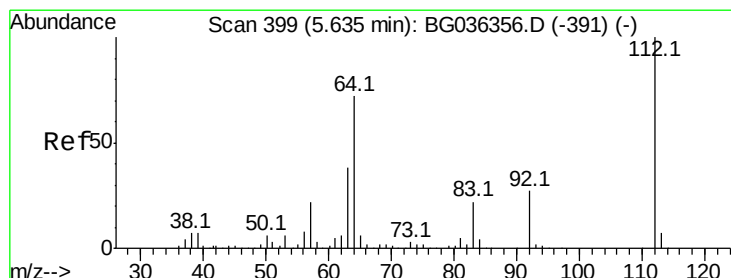
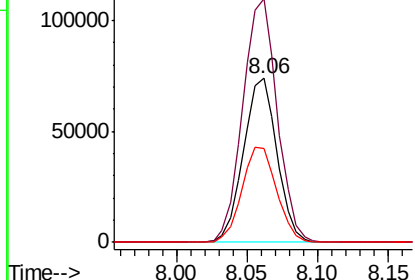
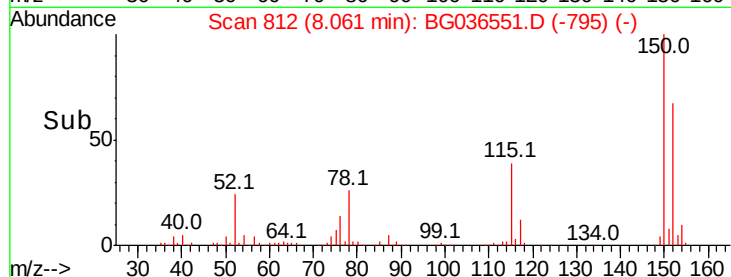


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

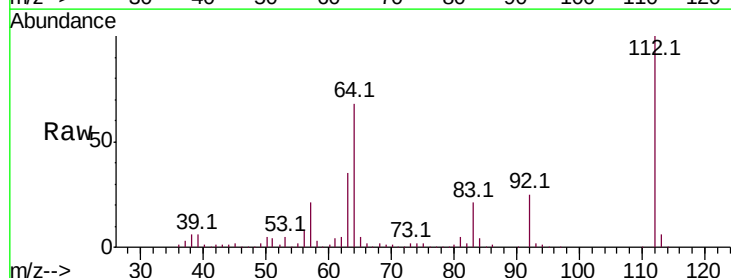
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.073 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	57.2	85.8
63	34.9	30.8	46.2

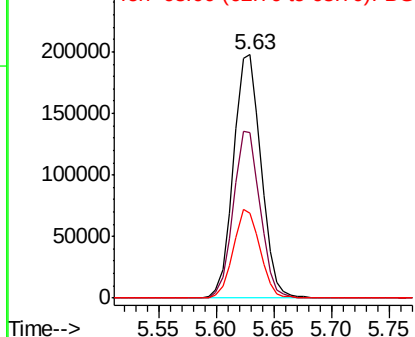
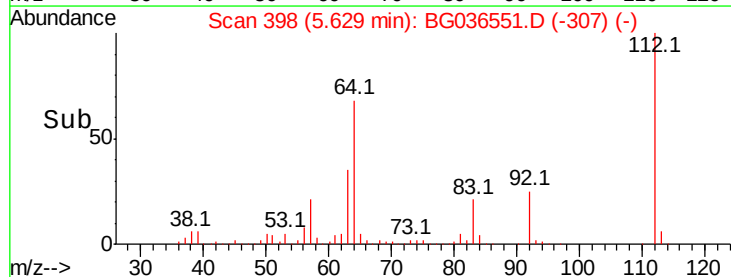


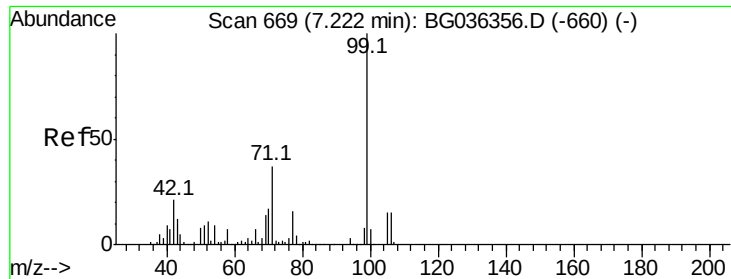
Abundance

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: 25.282 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Instrument :

BNA_G

ClientSampled :

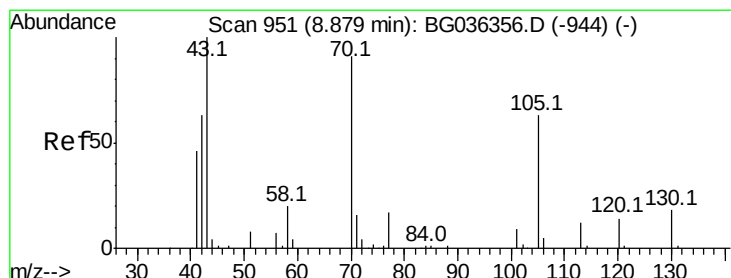
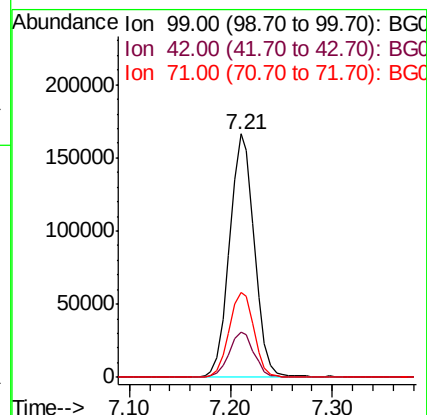
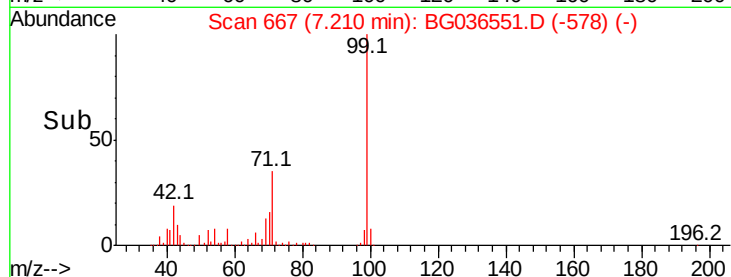
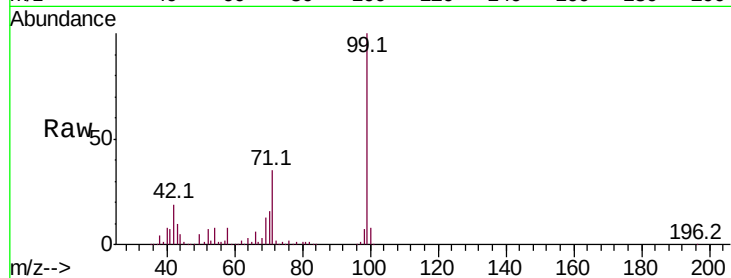
Tot Ion: 99 Resp: 281794

Ion Ratio Lower Upper

99 100

42 18.5 16.5 24.7

71 34.8 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.694 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Tgt Ion: 70 Resp: 130732

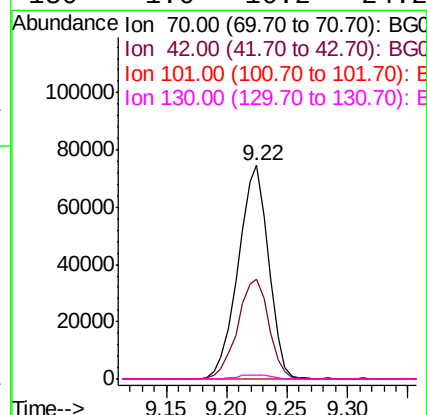
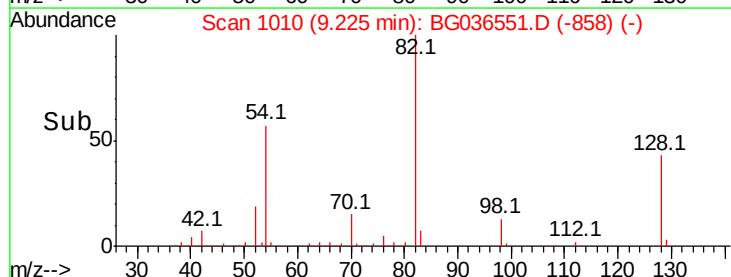
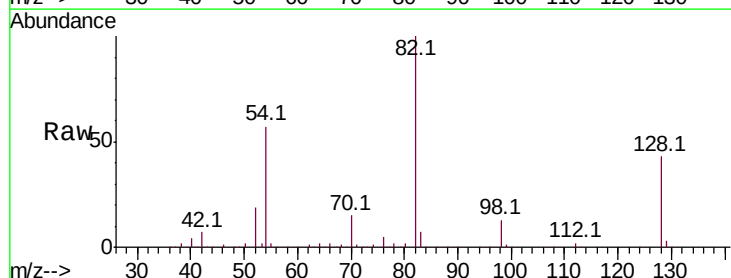
Ion Ratio Lower Upper

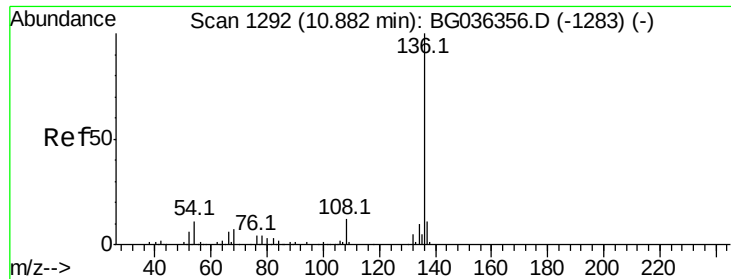
70 100

42 46.8 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

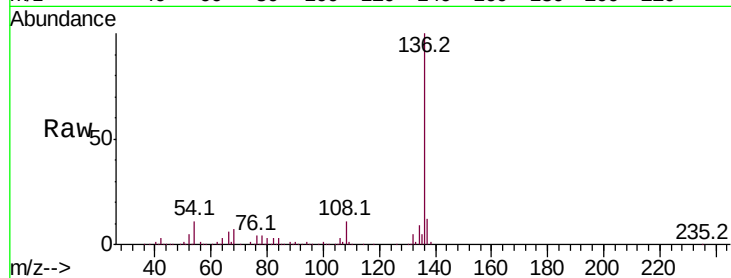




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	507132
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	10.6	9.2	13.8
68	6.5	5.8	8.6



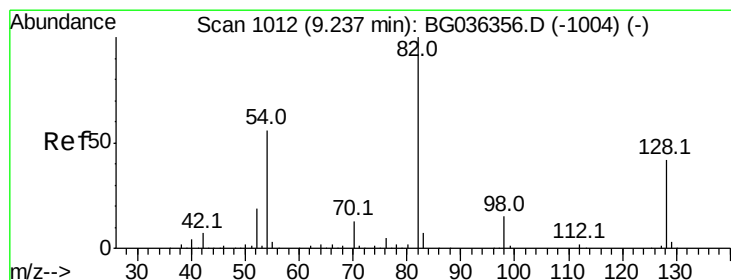
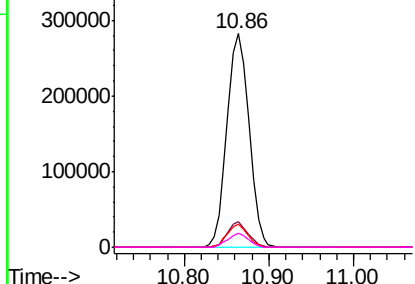
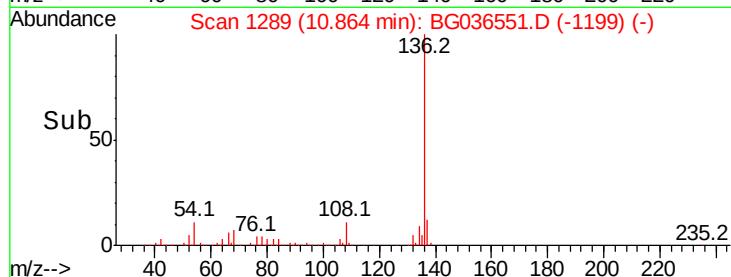
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

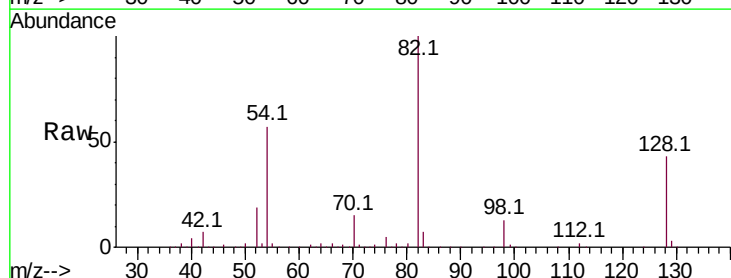
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 100.184 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Tgt Ion:	82	Resp:	936410
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.3	49.9
54	56.9	45.1	67.7

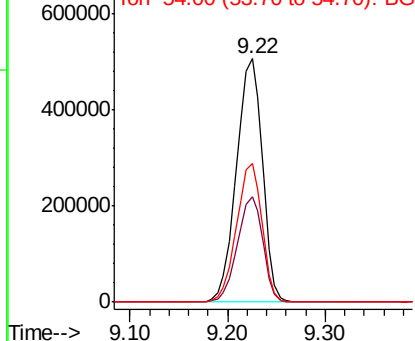
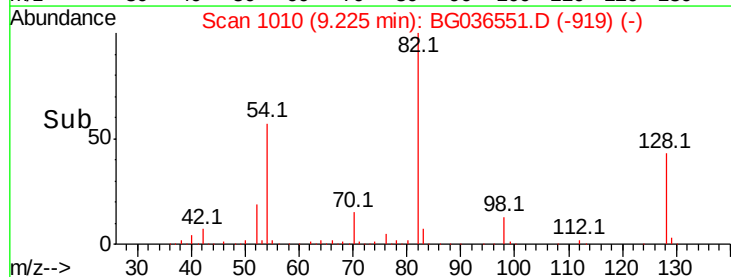


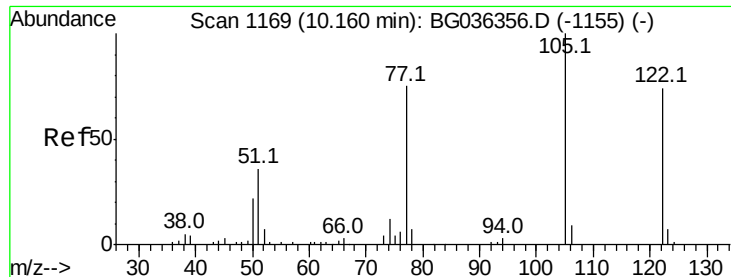
Abundance

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

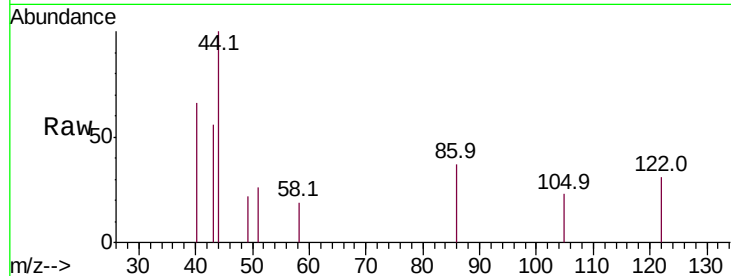




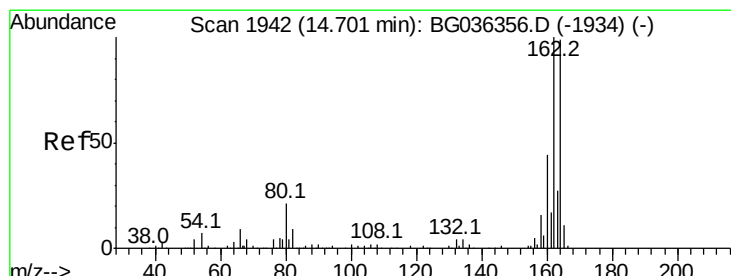
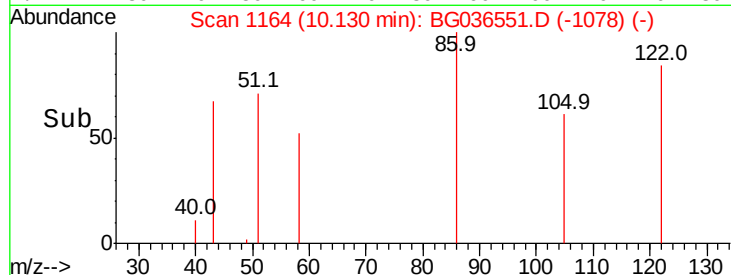
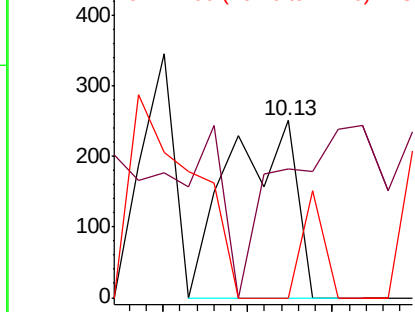
#32
Benzoic acid
Concen: 4.525 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.03 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 277
Ion Ratio Lower Upper
122 100
105 72.9 108.1 148.1#
77 0.0 76.3 116.3#

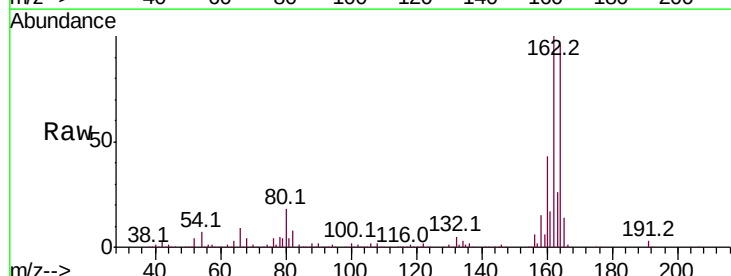


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

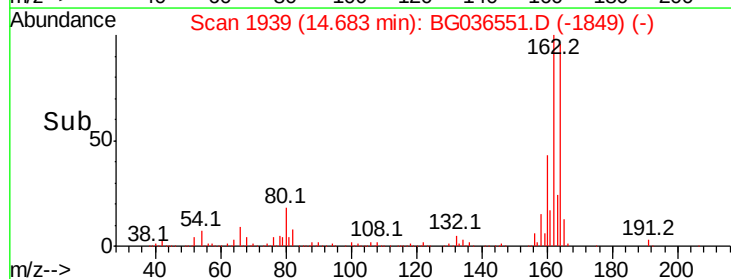
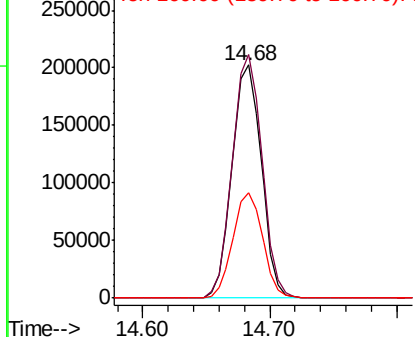


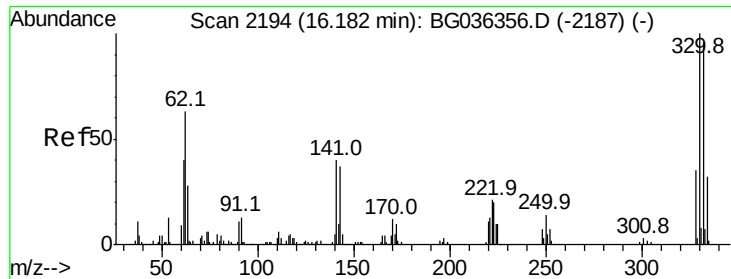
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG036551.D
Acq: 5 Sep 2018 4:54

Tgt Ion:164 Resp: 324176
Ion Ratio Lower Upper
164 100
162 104.4 80.7 121.1
160 44.9 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

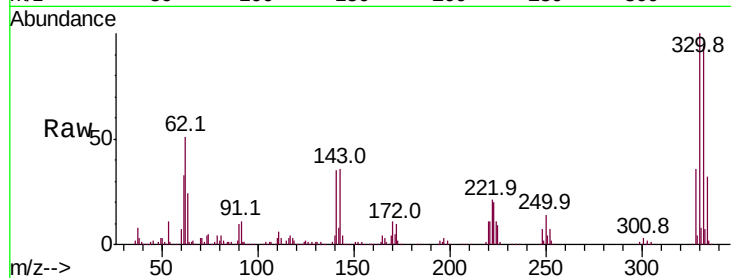




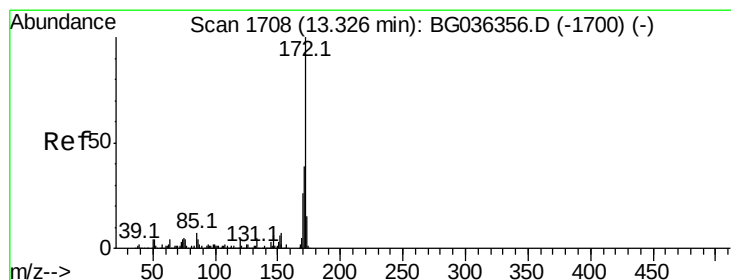
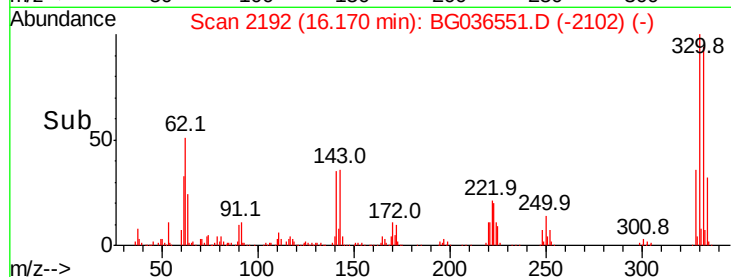
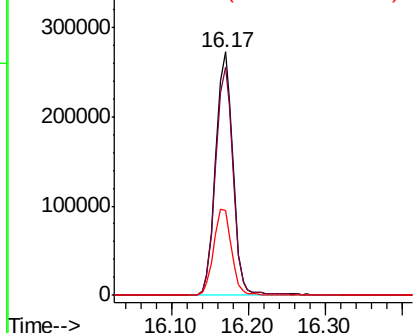
#41
 2,4,6-Tribromophenol
 Concen: 109.280 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: BG036551.D
 Acq: 5 Sep 2018 4:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.4	113.2
141	36.4	30.7	46.1

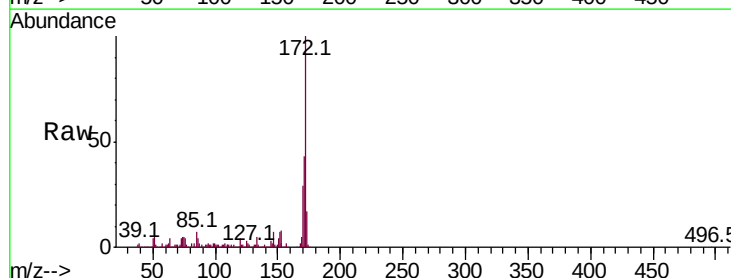


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

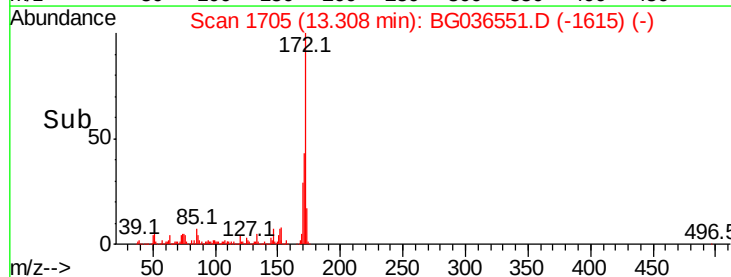
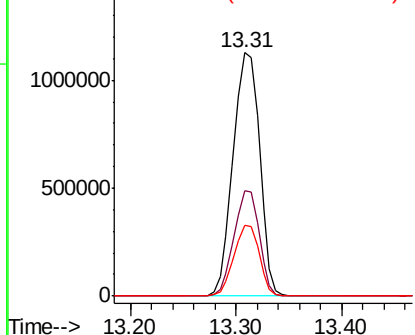


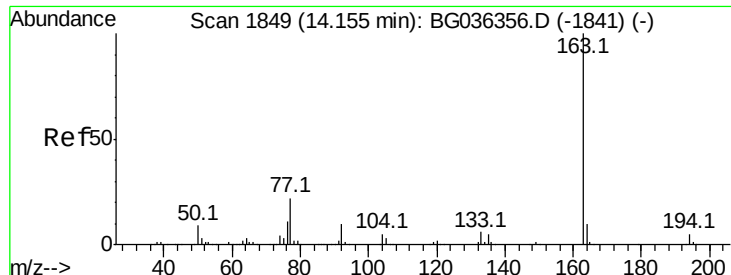
#44
 2-Fluorobiphenyl
 Concen: 86.408 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG036551.D
 Acq: 5 Sep 2018 4:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	43.3	31.3	46.9
170	29.0	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: 7.211 ng

RT: 14.13 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Instrument :

BNA_G

ClientSampleId :

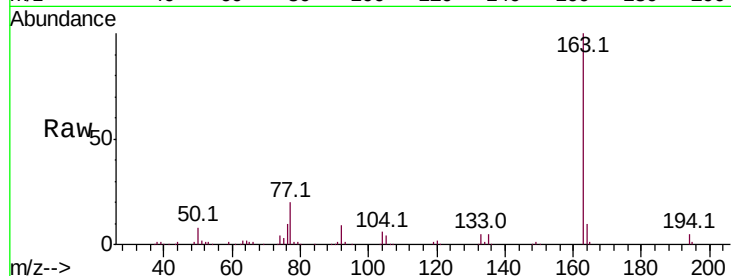
Tot Ion:163 Resp: 190888

Ion Ratio Lower Upper

163 100

194 4.9 4.0 6.0

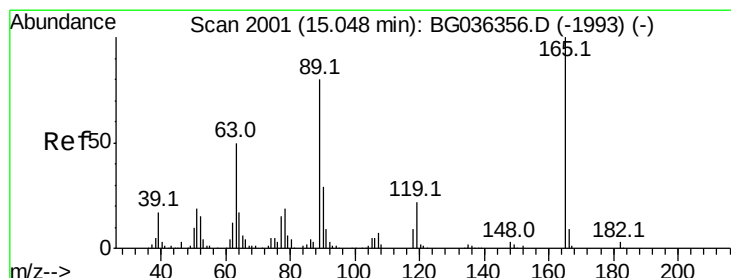
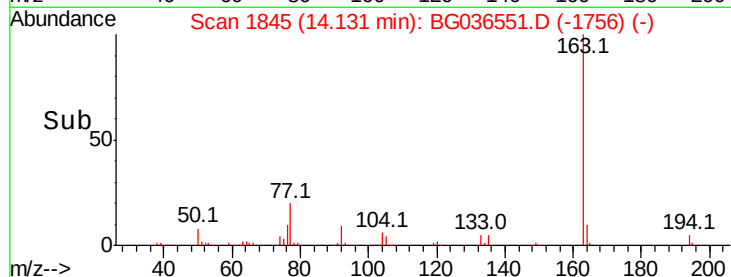
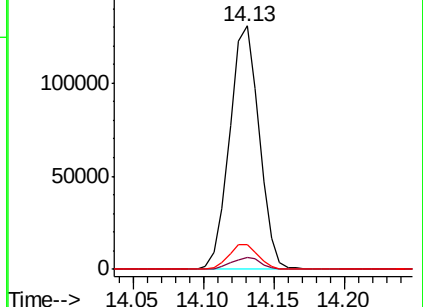
164 10.1 8.1 12.1



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: 6.008 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.35 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Tgt Ion:165 Resp: 42653

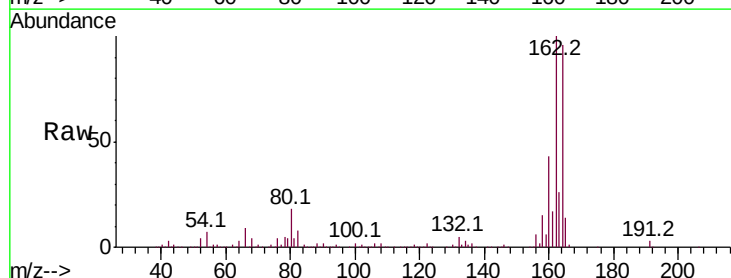
Ion Ratio Lower Upper

165 100

63 1.8 40.1 60.1#

89 2.0 63.7 95.5#

182 0.0 2.5 3.7#

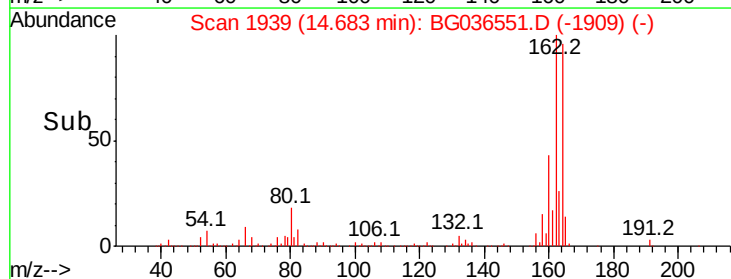
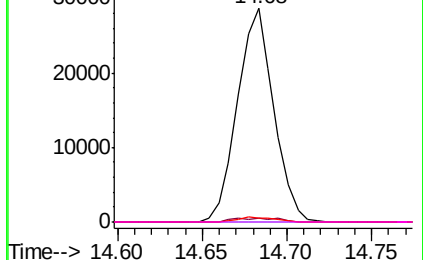


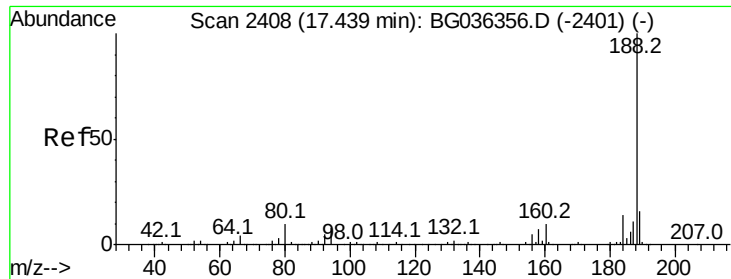
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Instrument :

BNA_G

ClientSampleId :

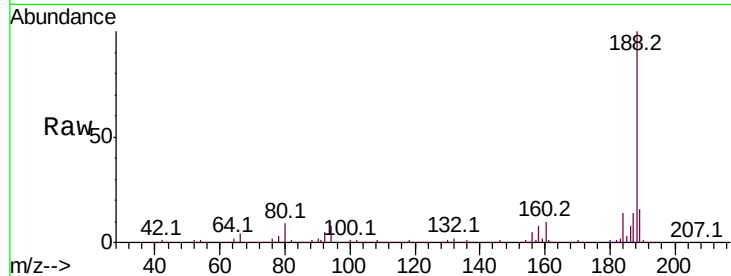
Tot Ion:188 Resp: 807134

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

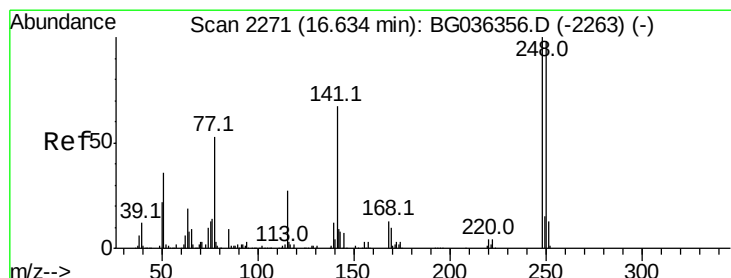
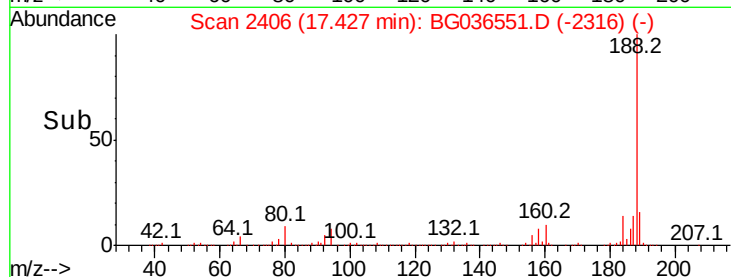
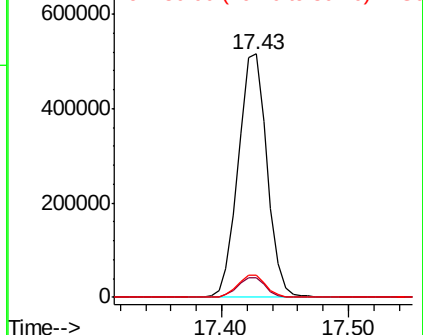
80 9.0 8.1 12.1



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: 3.267 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.45 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

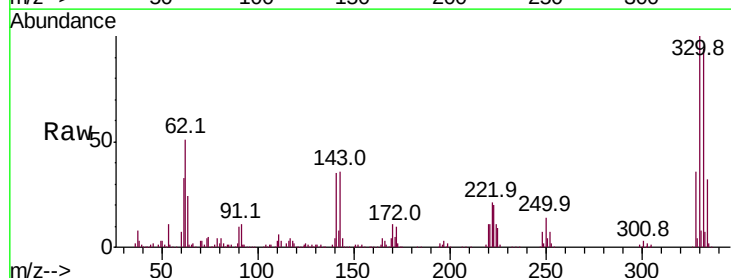
Tgt Ion:248 Resp: 30874

Ion Ratio Lower Upper

248 100

250 186.2 78.1 117.1#

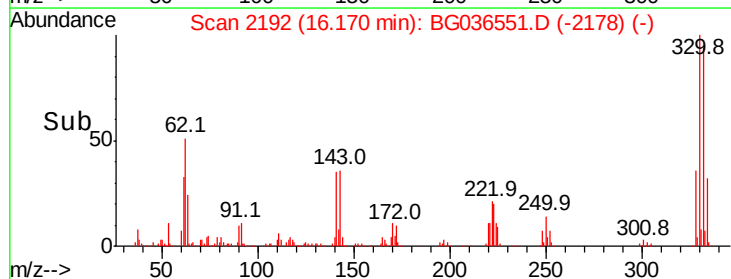
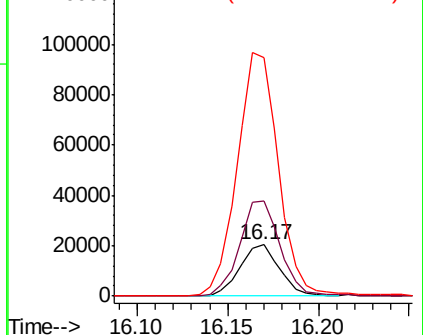
141 463.3 53.7 80.5#

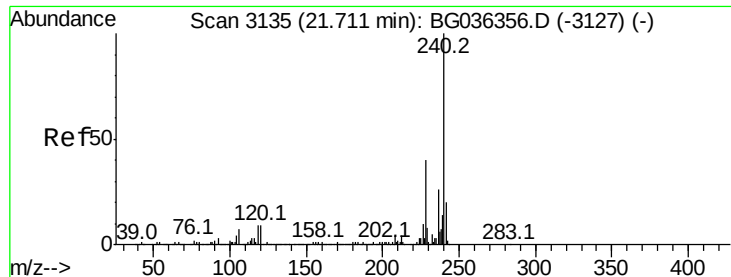


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG036551.D

Acq: 5 Sep 2018 4:54

Instrument :

BNA_G

ClientSampleId :

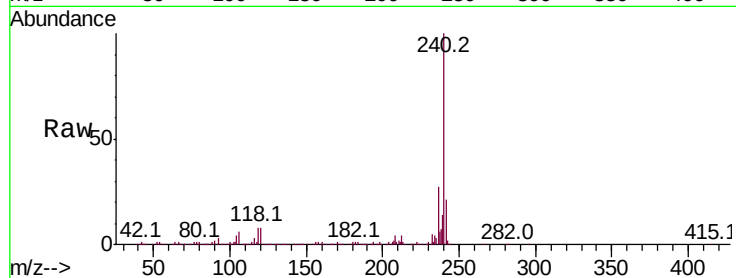
Tot Ion:240 Resp: 857633

Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

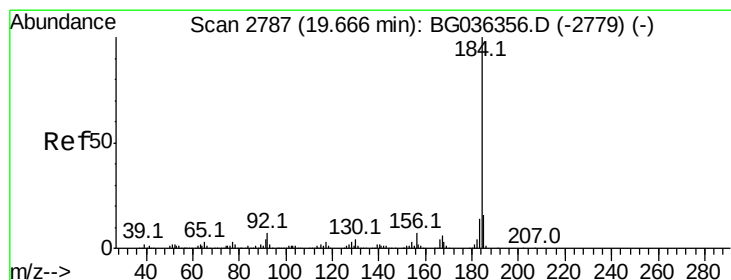
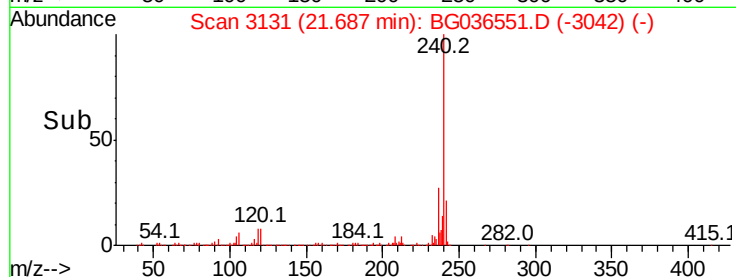
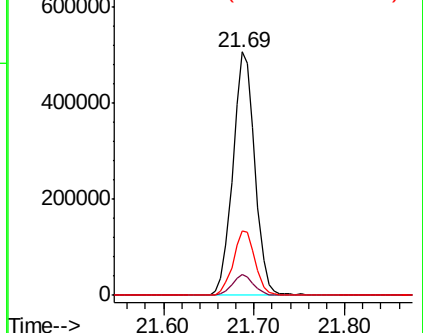
236 26.6 21.2 31.8



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: 2.014 ng

RT: 20.04 min Scan# 2850

Delta R.T. 0.39 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

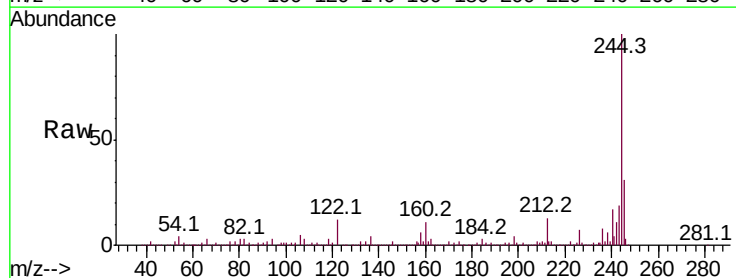
Tgt Ion:184 Resp: 55111

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

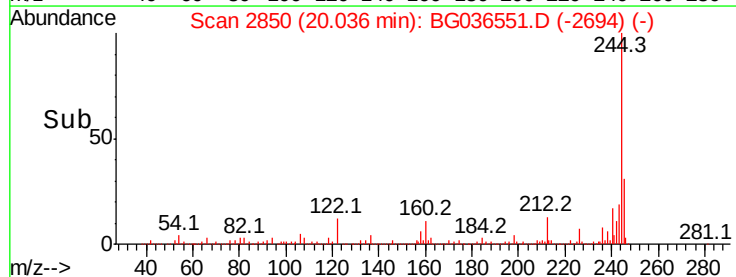
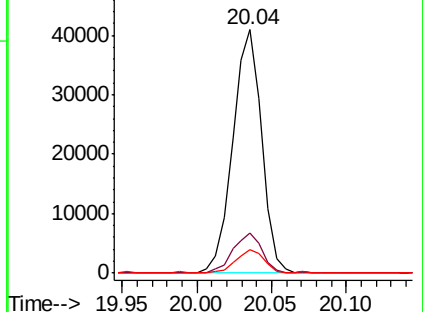
183 9.8 10.9 16.3#

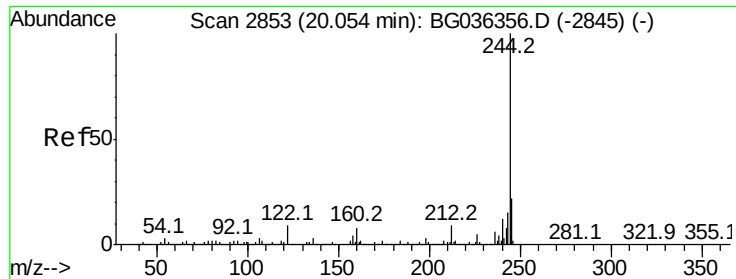


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 70.324 ng

RT: 20.04 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

Instrument :

BNA_G

ClientSampleId :

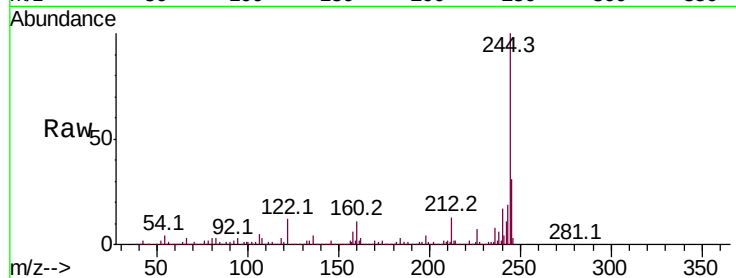
Tot Ion:244 Resp: 2580376

Ion Ratio Lower Upper

244 100

212 12.6 7.0 10.6#

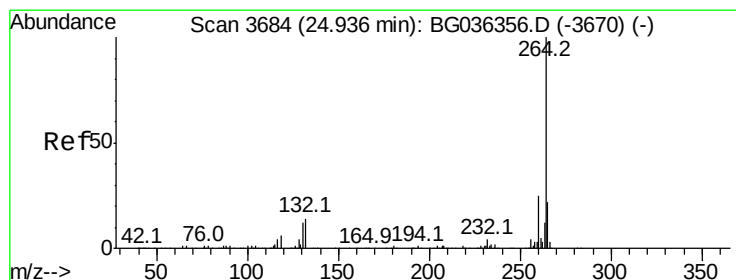
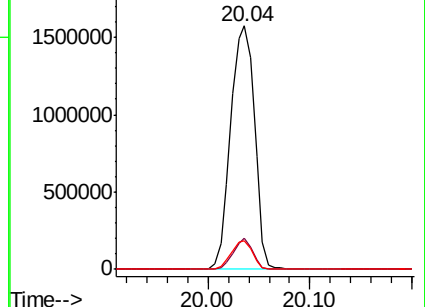
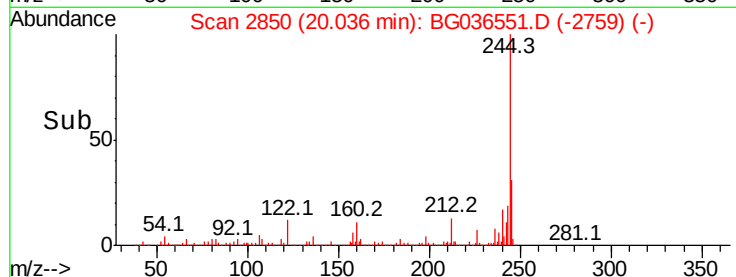
122 11.7 7.1 10.7#



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# 3678

Delta R.T. -0.00 min

Lab File: BG036551.D

Acq: 5 Sep 2018 4:54

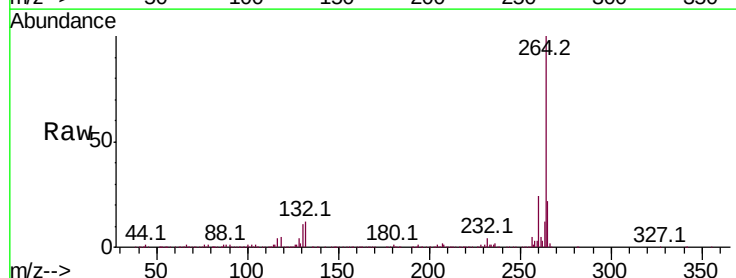
Tgt Ion:264 Resp: 875007

Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

265 22.3 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

