

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036371.D
 Acq On : 23 Aug 2018 9:36
 Operator : JU/SJ
 Sample : J4540-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 12:32:21 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

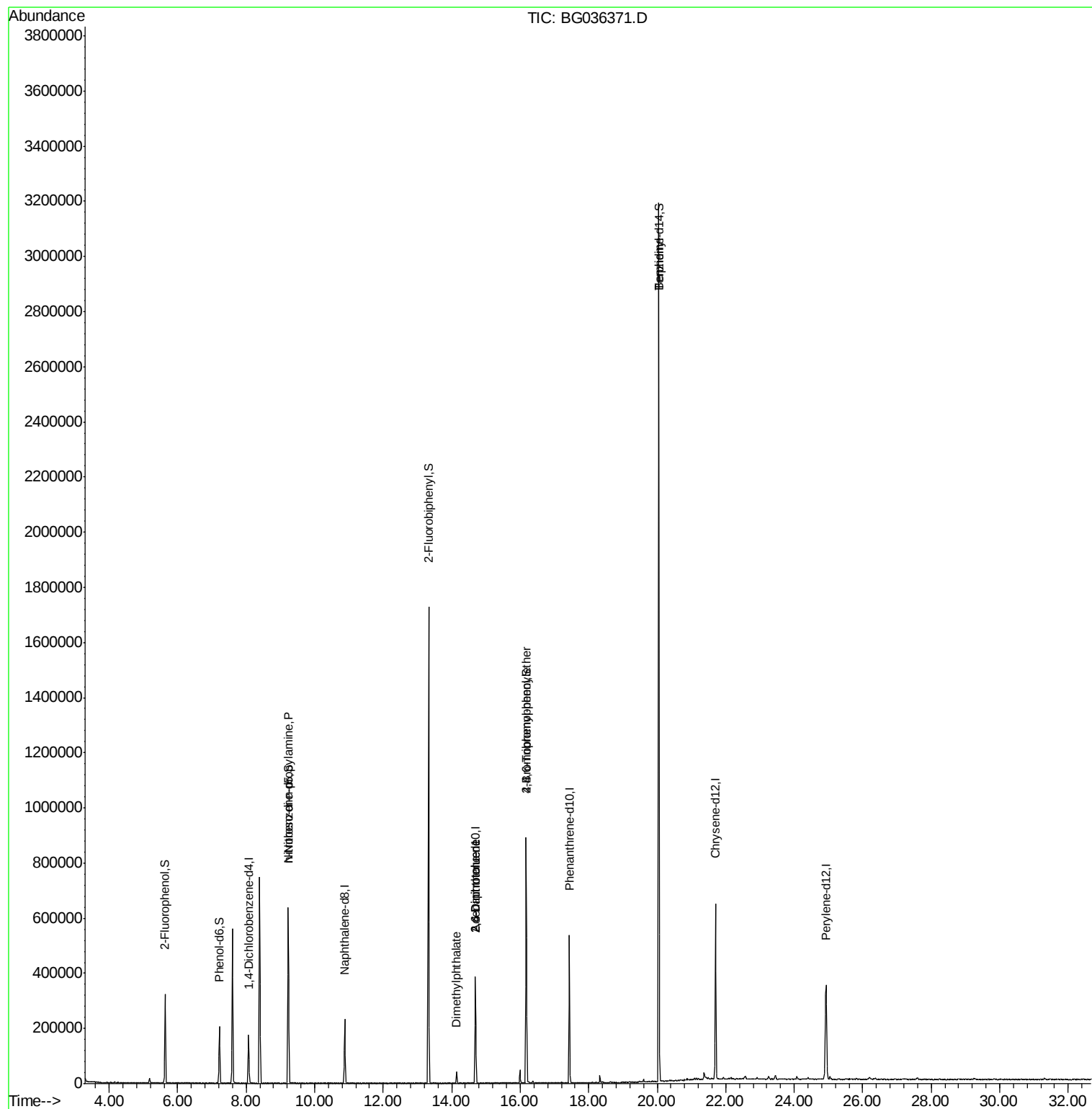
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	48420	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	198595	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	128615	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	323069	20.00	ng	0.00
75) Chrysene-d12	21.70	240	372980	20.00	ng	0.00
86) Perylene-d12	24.93	264	377743	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	132046	43.26	ng	0.00
7) Phenol-d6	7.21	99	114650	26.23	ng	0.00
23) Nitrobenzene-d5	9.23	82	377248	103.07	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	157485	102.62	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	883325	98.06	ng	0.00
78) Terphenyl-d14	20.05	244	1473346	92.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	51044	15.628	ng	# 73
49) Dimethylphthalate	14.14	163	26959	2.567	ng	# 96
50) 2,6-Dinitrotoluene	14.69	165	16664	7.711	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	16664	5.917	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	11576	3.060	ng	# 1
76) Benzidine	20.05	184	26897	2.260	ng	# 94

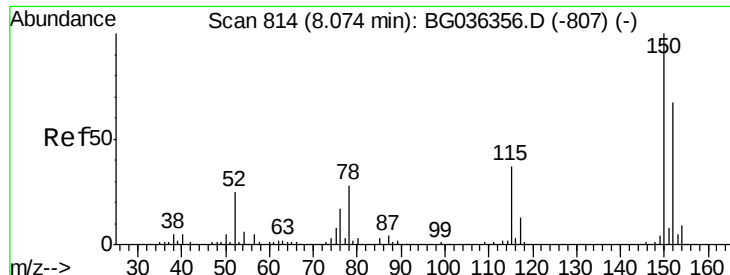
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Instrument :

BNA_G

ClientSampled :

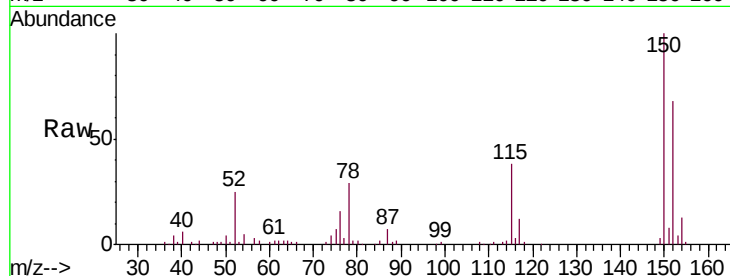
Tgt Ion:152 Resp: 48420

Ion Ratio Lower Upper

152 100

150 147.5 119.5 179.3

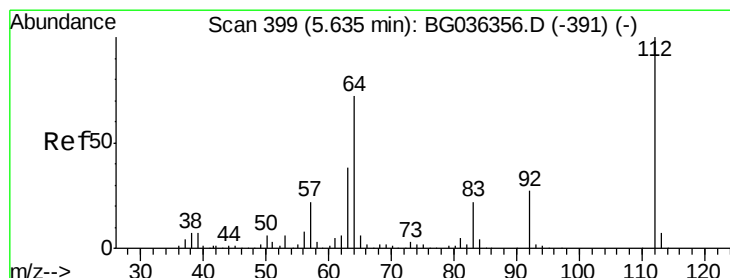
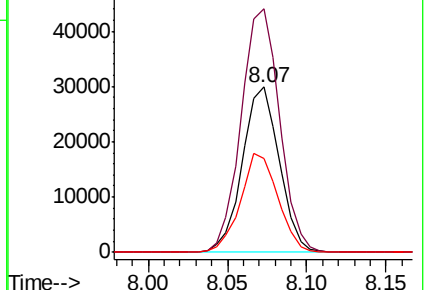
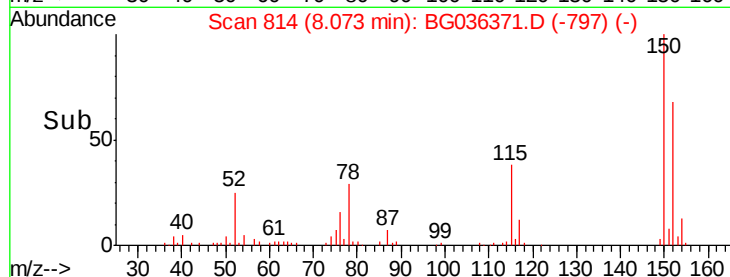
115 56.7 44.5 66.7



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: 43.260 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

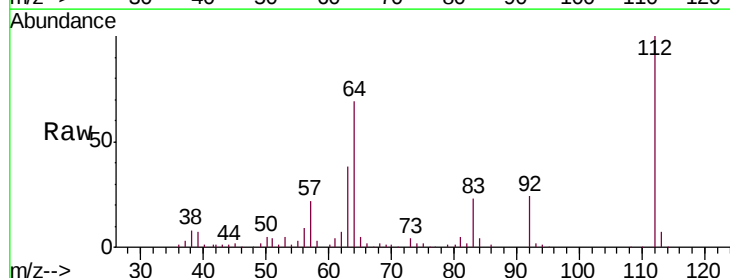
Tgt Ion:112 Resp: 132046

Ion Ratio Lower Upper

112 100

64 69.4 57.2 85.8

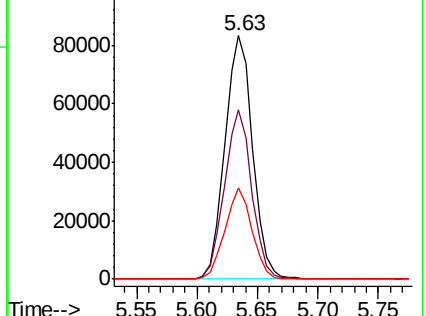
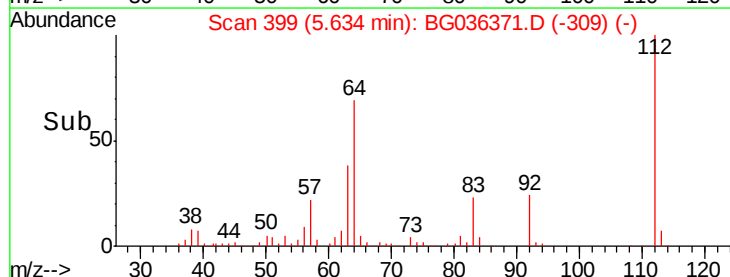
63 37.7 30.8 46.2



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: 26.234 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Instrument :

BNA_G

ClientSampleId :

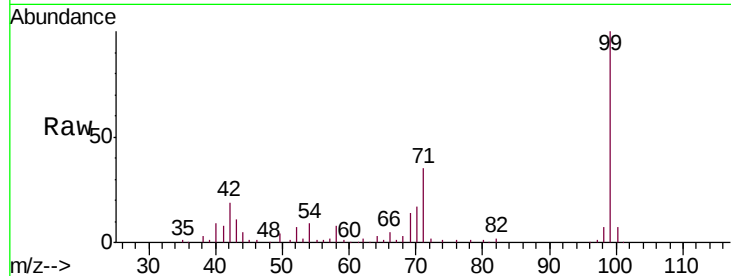
Tgt Ion: 99 Resp: 114650

Ion Ratio Lower Upper

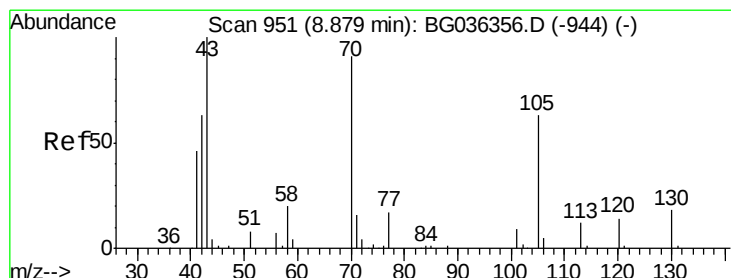
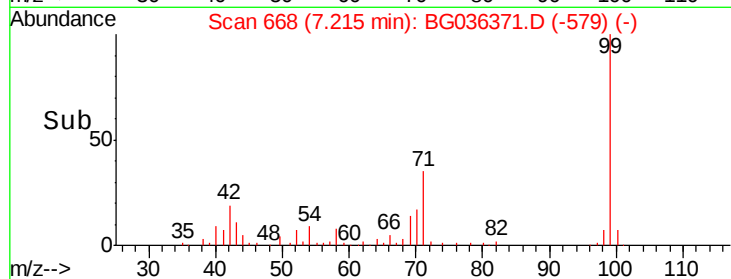
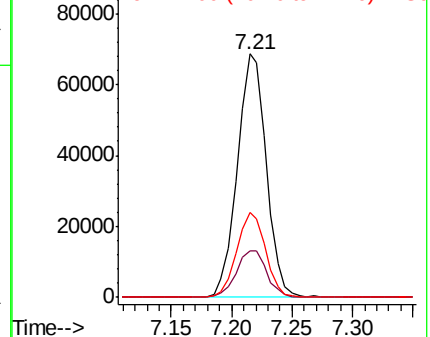
99 100

42 18.9 16.5 24.7

71 34.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.628 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Tgt Ion: 70 Resp: 51044

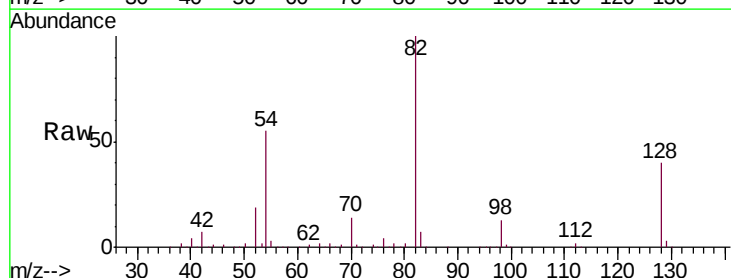
Ion Ratio Lower Upper

70 100

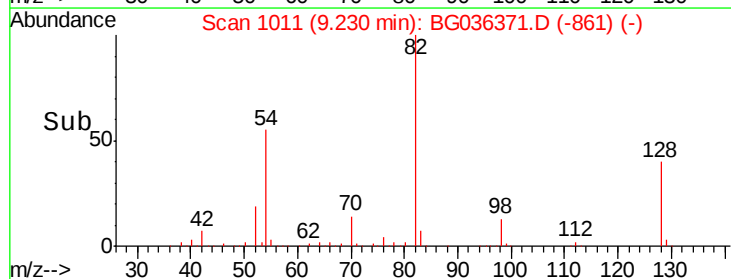
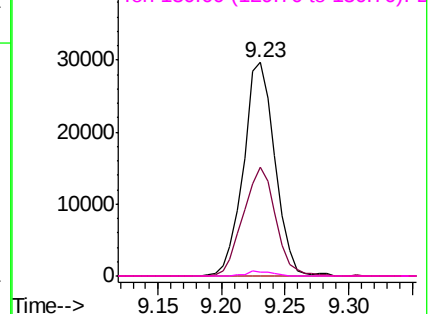
42 51.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 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

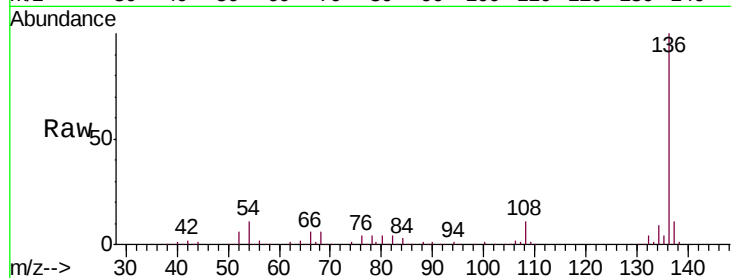




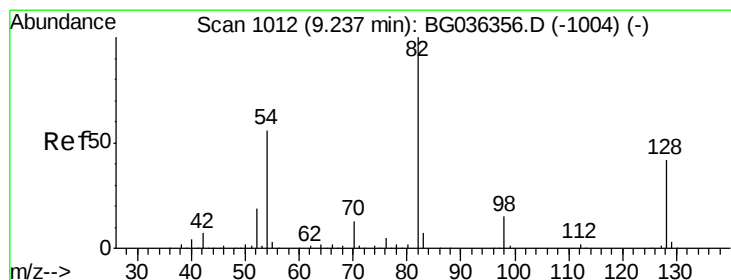
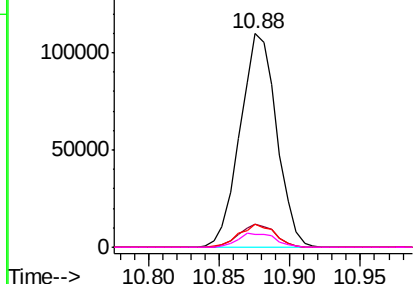
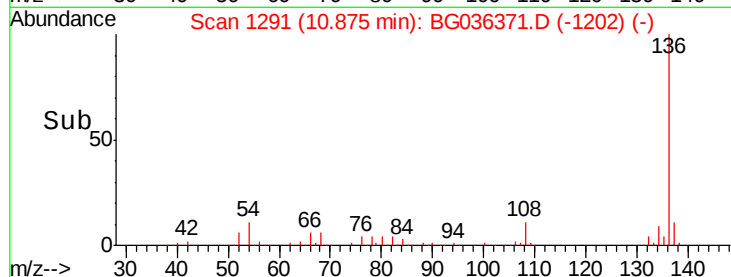
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	198595
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.7	9.2	13.8
68	5.9	5.8	8.6

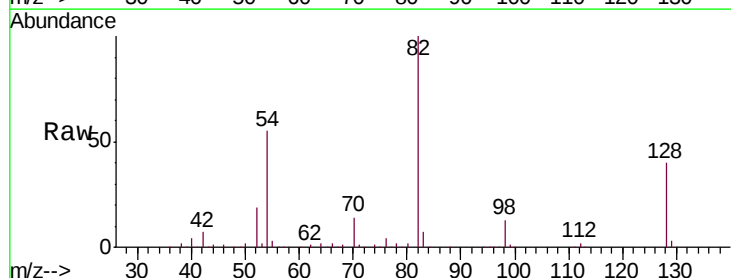


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

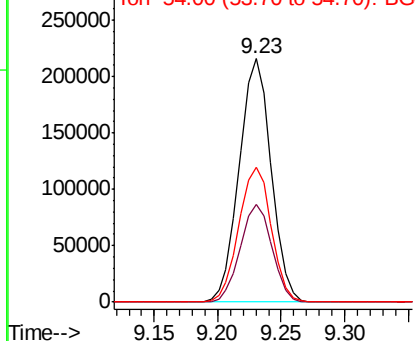
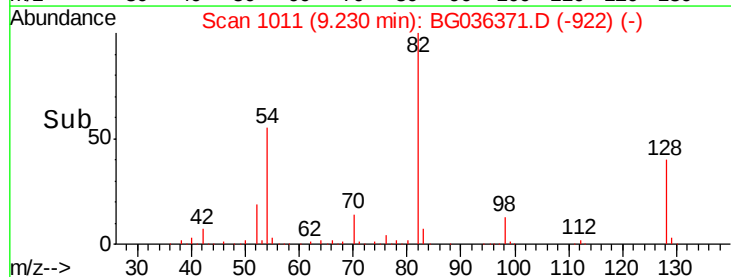


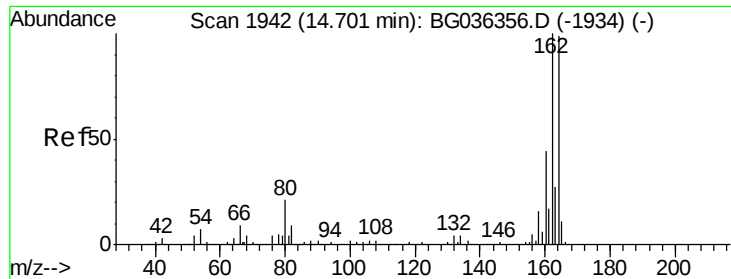
#23
Nitrobenzene-d5
Concen: 103.065 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

Tgt Ion:	82	Resp:	377248
Ion	Ratio	Lower	Upper
82	100		
128	39.9	33.3	49.9
54	55.4	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

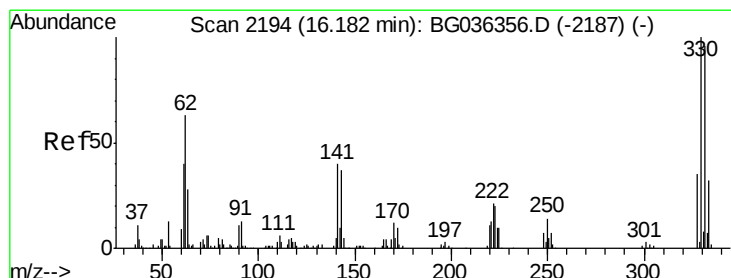
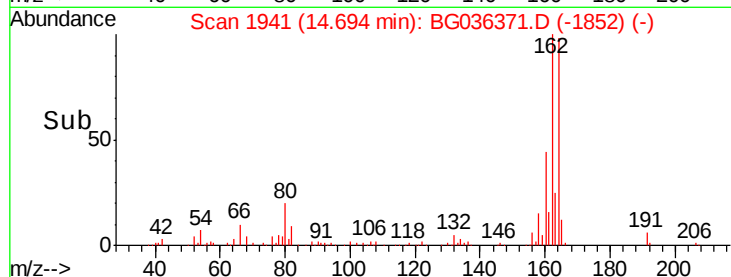
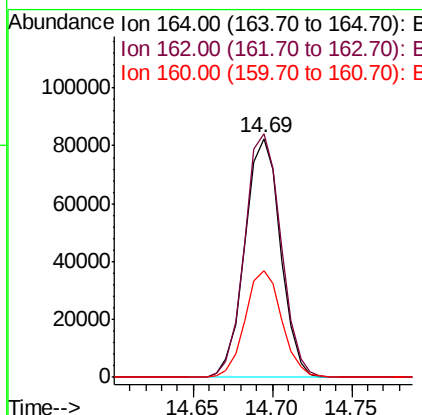
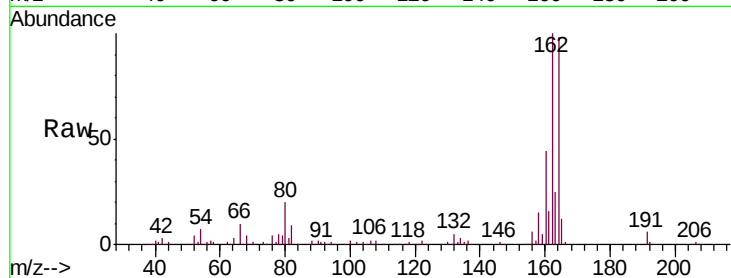




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: BG036371.D
 Acq: 23 Aug 2018 9:36

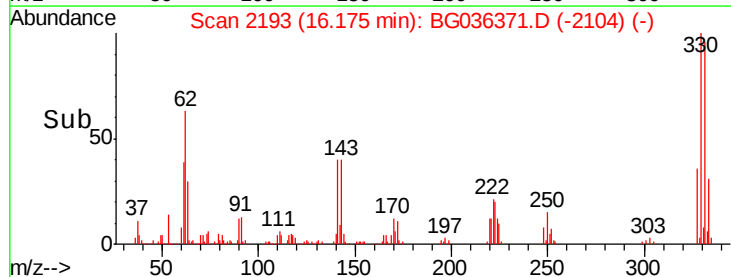
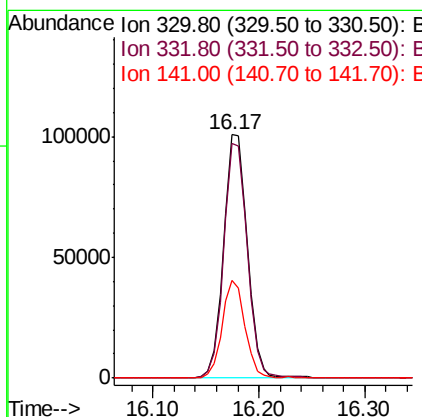
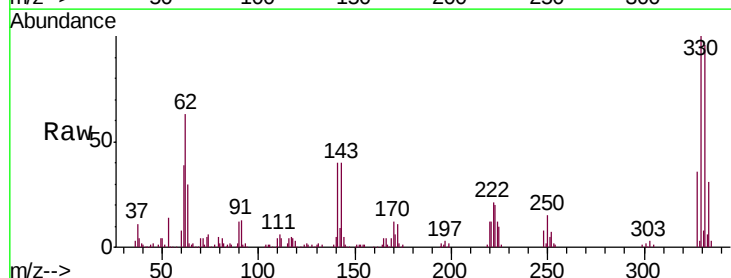
Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:164 Resp: 128615
 Ion Ratio Lower Upper
 164 100
 162 101.9 80.7 121.1
 160 44.6 35.3 52.9



#41
 2,4,6-Tribromophenol
 Concen: 102.619 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036371.D
 Acq: 23 Aug 2018 9:36

Tgt Ion:330 Resp: 157485
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.4 113.2
 141 38.6 30.7 46.1

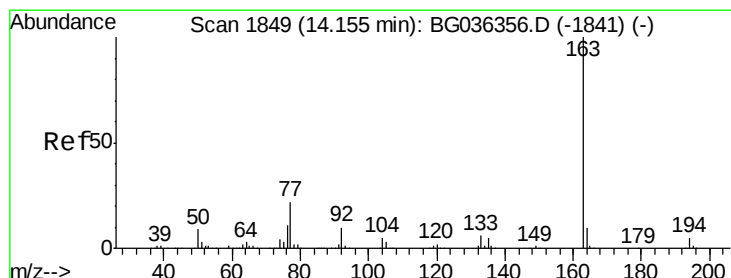
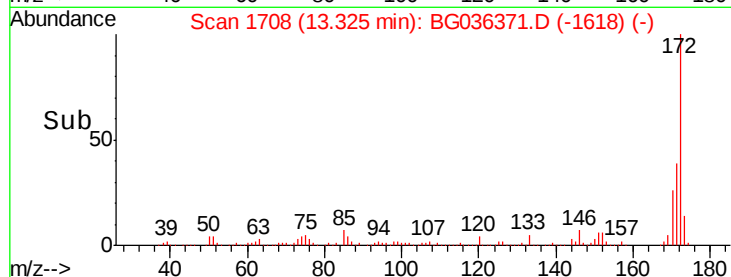
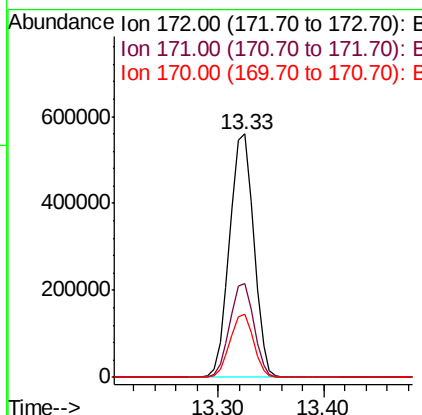
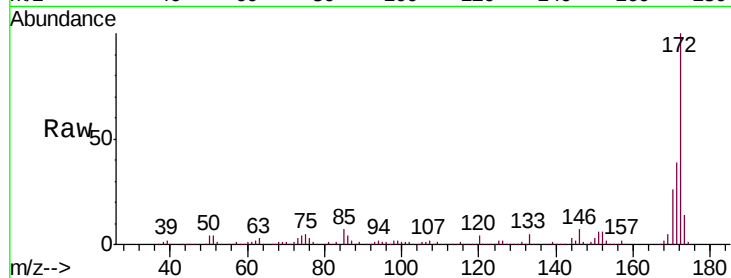




#44
2-Fluorobiphenyl
Concen: 98.062 ng
RT: 13.33 min Scan# 1708
Delta R.T. -0.00 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

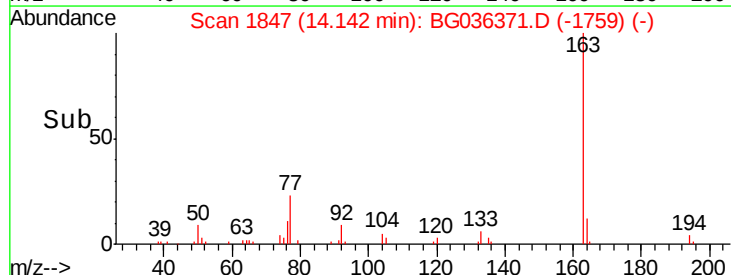
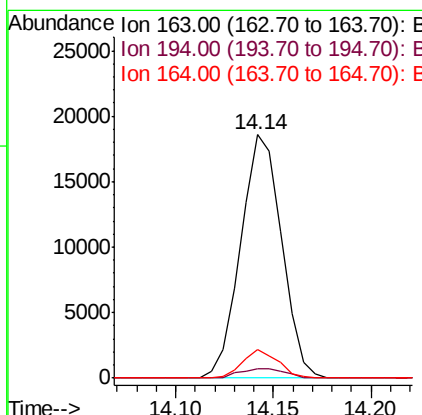
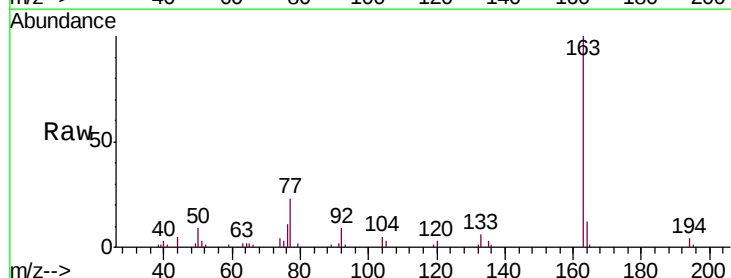
Instrument :
BNA_G
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	25.7	21.0	31.6



#49
Dimethylphthalate
Concen: 2.567 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	4.0	6.0#
164	11.6	8.1	12.1

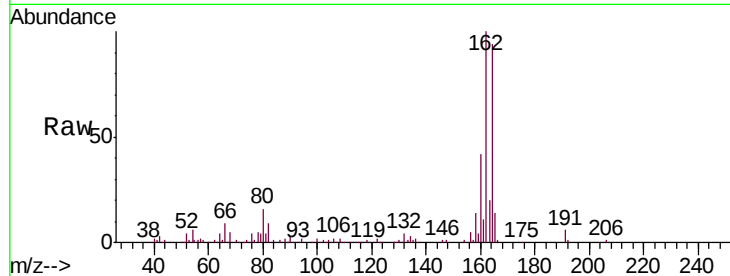




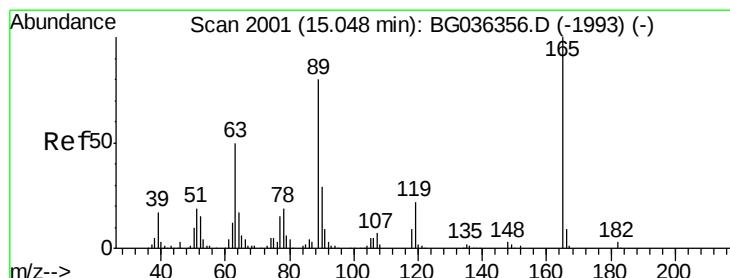
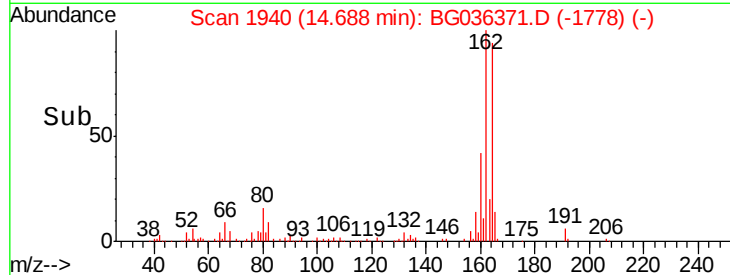
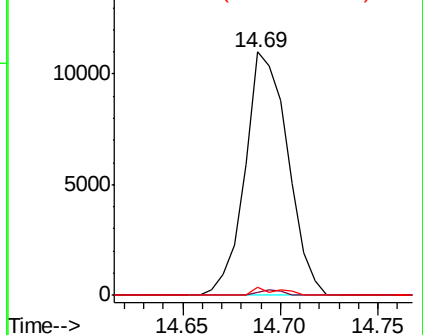
#50
2,6-Dinitrotoluene
Concen: 7.711 ng
RT: 14.69 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

Instrument :
BNA_G
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.1	75.1#
89	3.6	47.8	71.6#

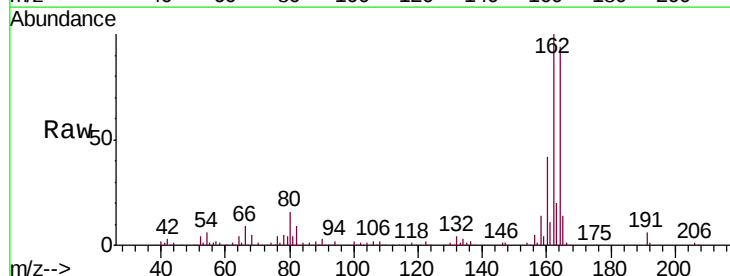


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

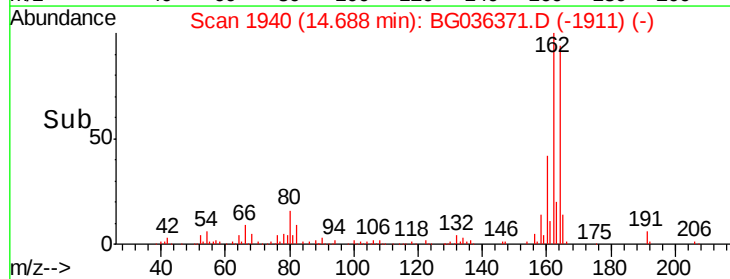
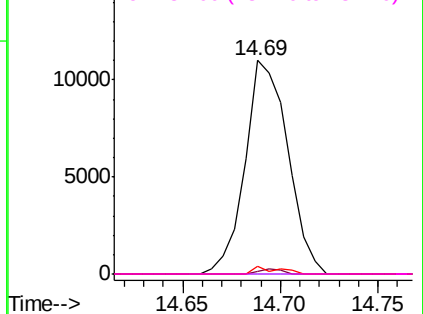


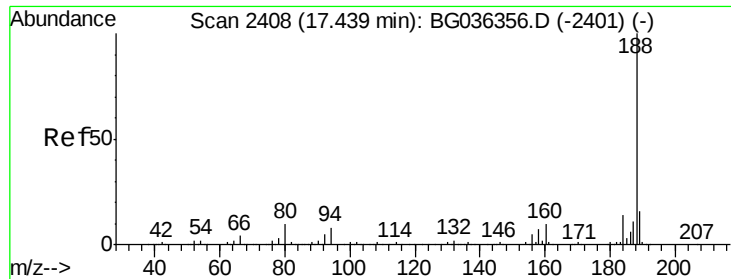
#56
2,4-Dinitrotoluene
Concen: 5.917 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG036371.D
Acq: 23 Aug 2018 9:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.1	60.1#
89	3.6	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

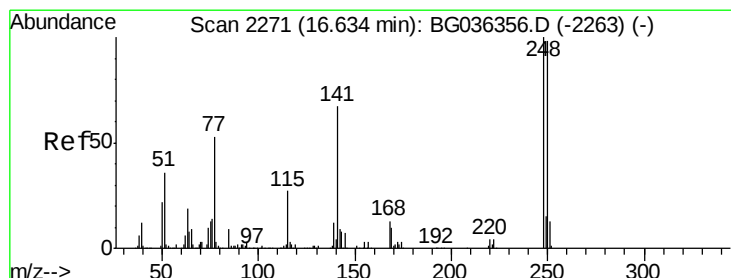
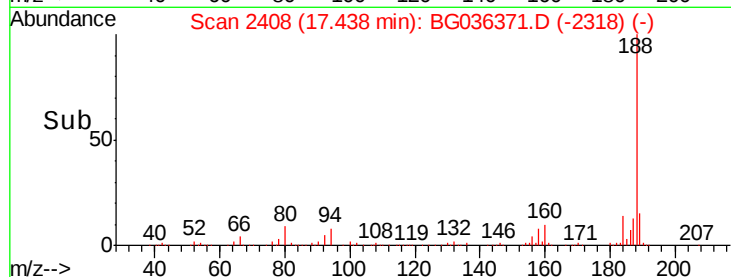
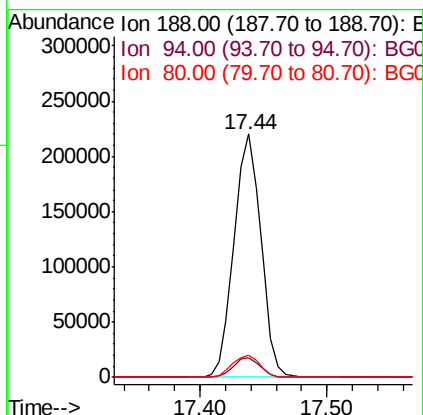
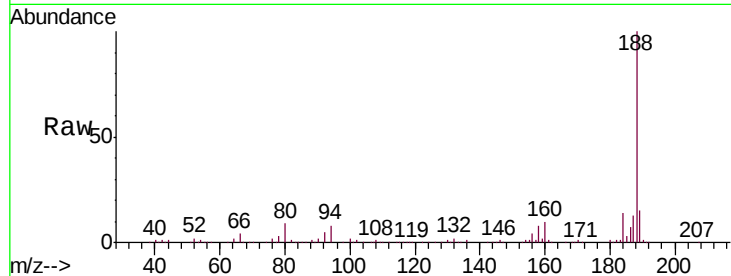




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036371.D
 Acq: 23 Aug 2018 9:36

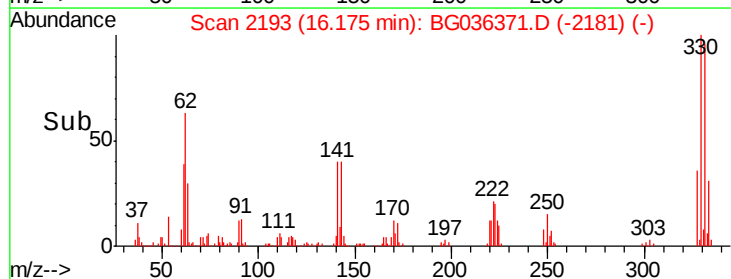
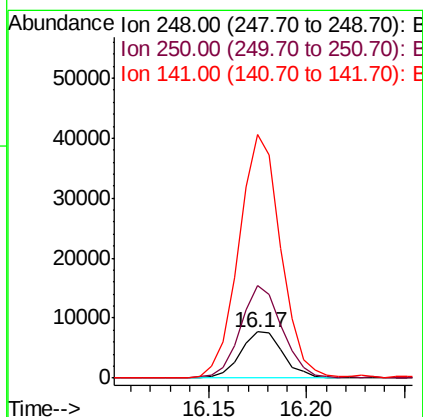
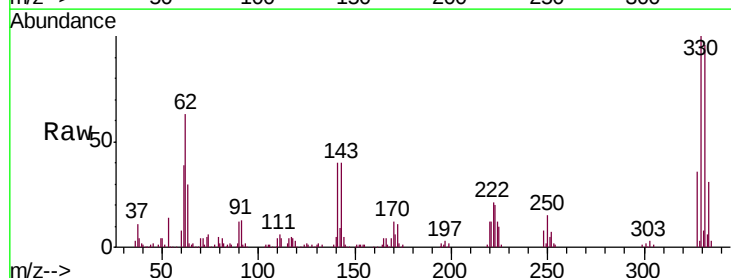
Instrument :
 BNA_G
 ClientSampled :

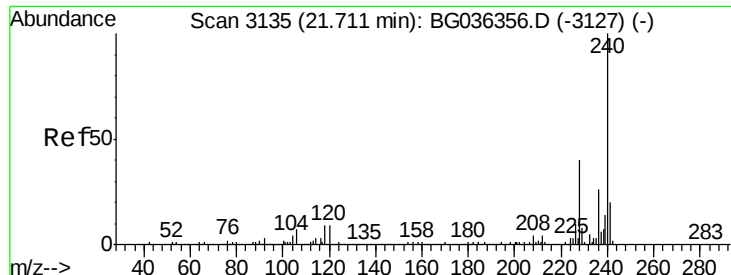
Tgt Ion:188 Resp: 323069
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.7 10.1
 80 9.3 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.060 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036371.D
 Acq: 23 Aug 2018 9:36

Tgt Ion:248 Resp: 11576
 Ion Ratio Lower Upper
 248 100
 250 200.6 78.1 117.1#
 141 530.9 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Instrument :

BNA_G

ClientSampleId :

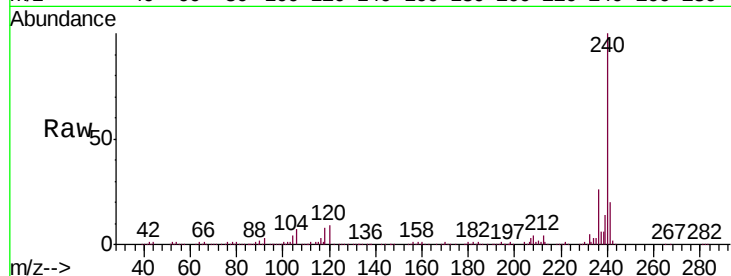
Tgt Ion:240 Resp: 372980

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

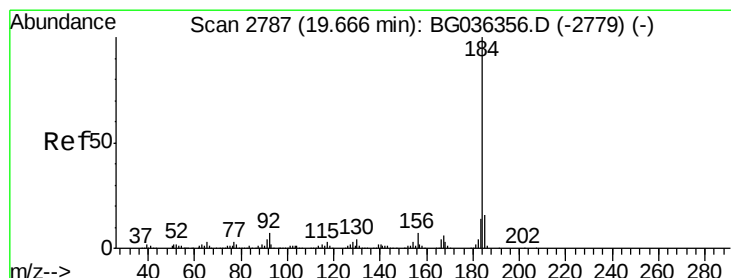
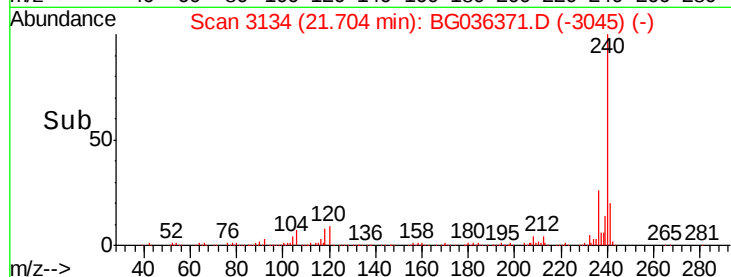
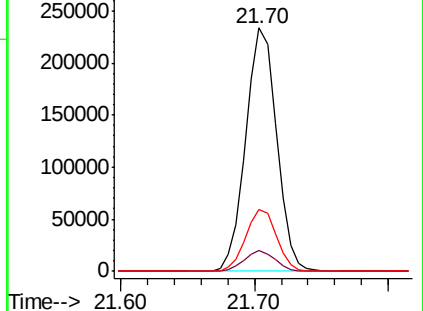
236 25.5 21.2 31.8



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: 2.260 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

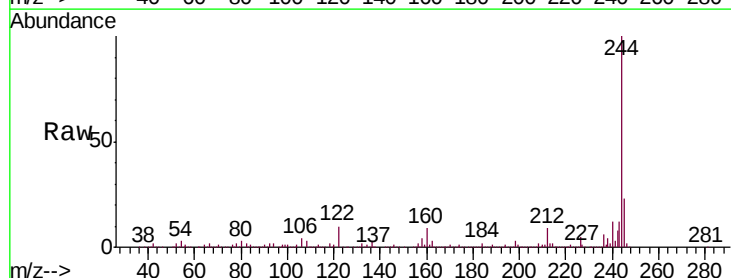
Tgt Ion:184 Resp: 26897

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

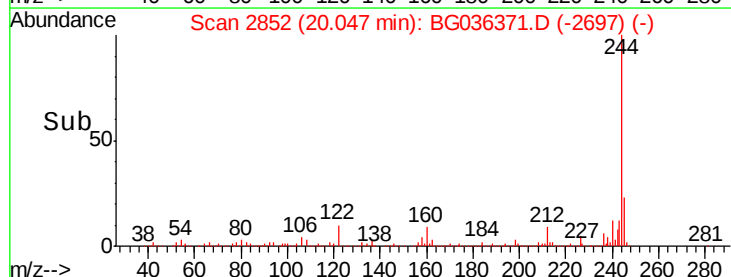
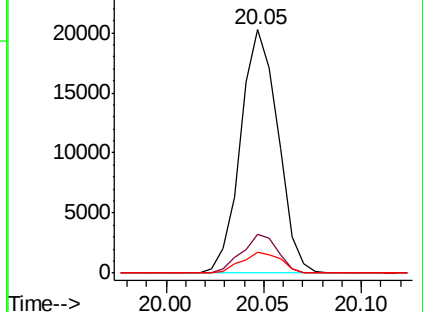
183 8.4 10.9 16.3#

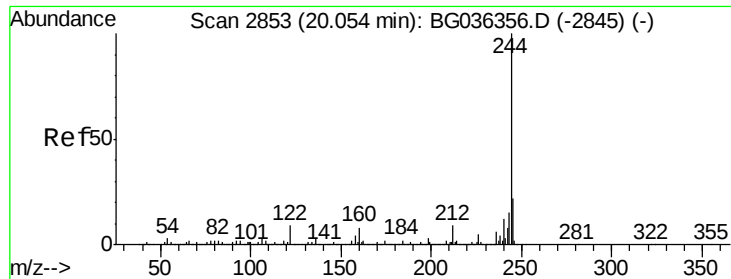


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.330 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

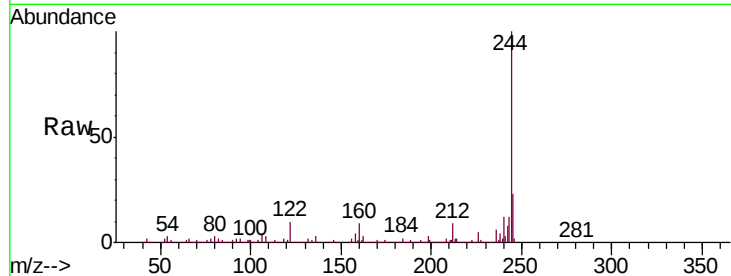
Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Instrument :

BNA_G

ClientSampled :



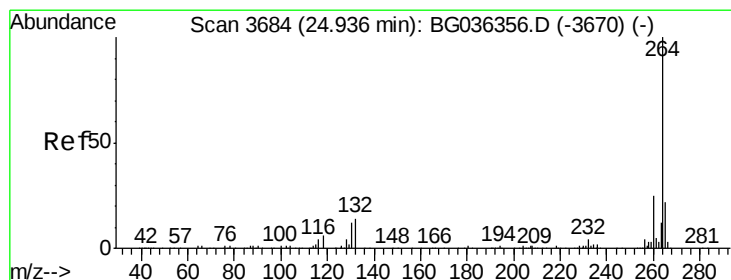
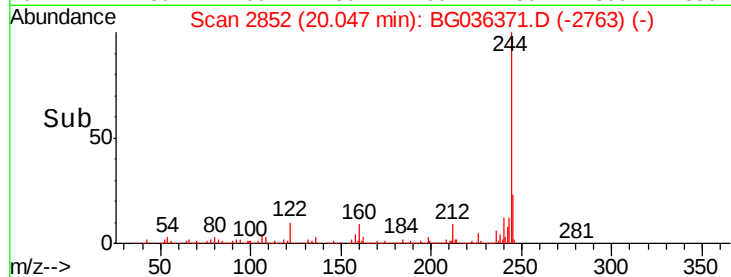
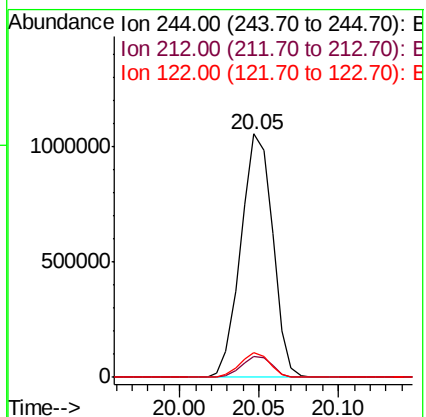
Tgt Ion:244 Resp: 1473346

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

122 10.0 7.1 10.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG036371.D

Acq: 23 Aug 2018 9:36

Tgt Ion:264 Resp: 377743

Ion Ratio Lower Upper

264 100

260 22.7 19.6 29.4

265 20.7 17.4 26.0

