

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036372.D
 Acq On : 23 Aug 2018 10:15
 Operator : JU/SJ
 Sample : J4540-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 12:32:33 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

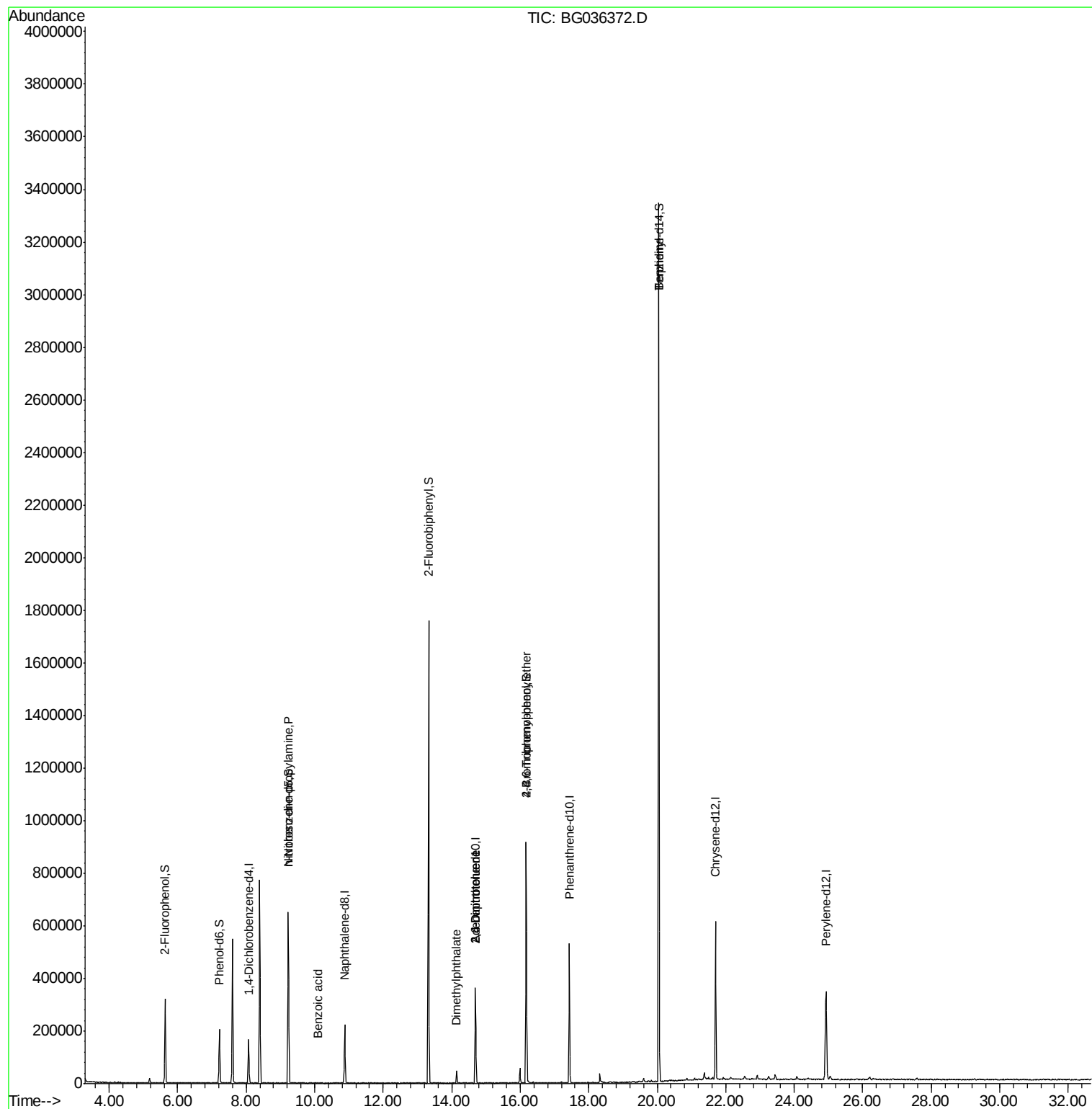
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	44942	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	188071	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	121924	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	311771	20.00	ng	0.00
75) Chrysene-d12	21.70	240	361241	20.00	ng	0.00
86) Perylene-d12	24.93	264	362694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	131315	46.35	ng	0.00
7) Phenol-d6	7.21	99	113650	28.02	ng	0.00
23) Nitrobenzene-d5	9.23	82	372098	107.35	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	163395	112.31	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	907016	106.22	ng	0.00
78) Terphenyl-d14	20.05	244	1510539	97.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	52145	17.201	ng	# 73
32) Benzoic acid	10.09	122	55	4.504	ng	# 1
49) Dimethylphthalate	14.14	163	30525	3.066	ng	# 99
50) 2,6-Dinitrotoluene	14.69	165	15841	7.732	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	15841	5.933	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	11387	3.120	ng	# 1
76) Benzidine	20.05	184	26369	2.288	ng	# 91

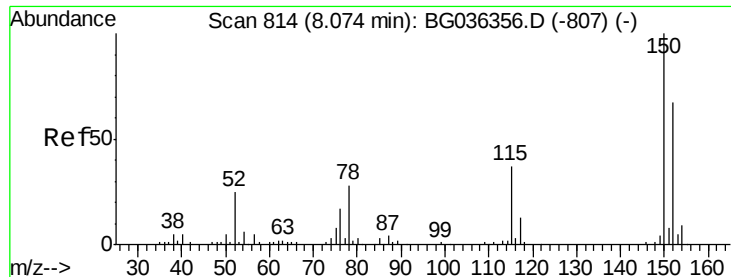
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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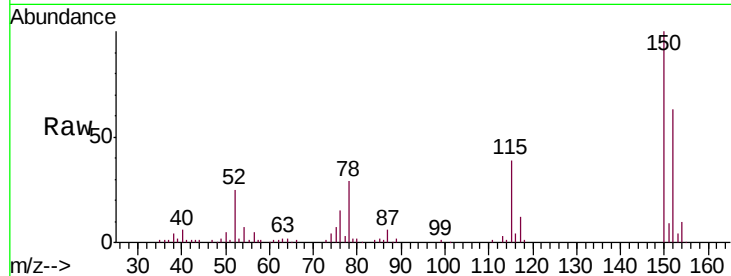




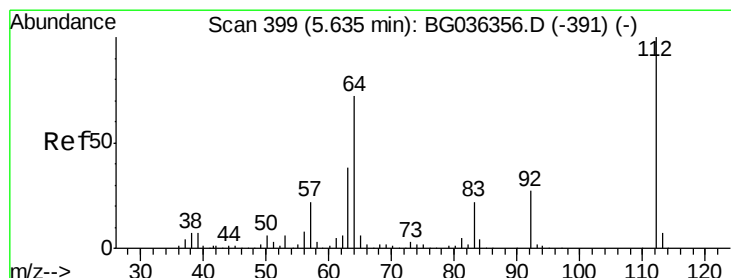
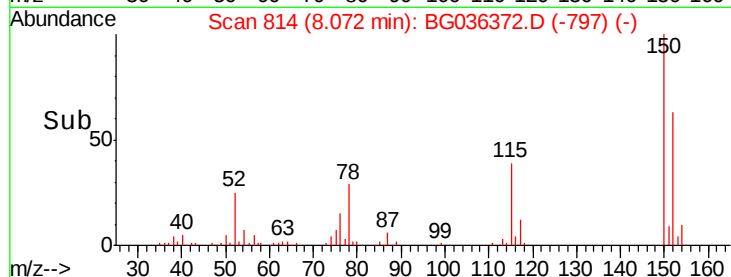
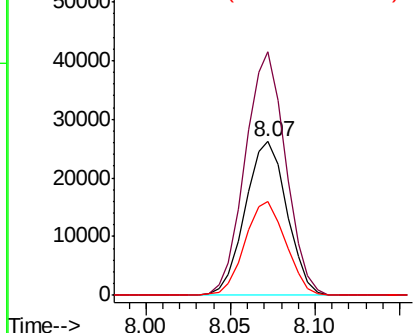
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:152 Resp: 44942
 Ion Ratio Lower Upper
 152 100
 150 158.5 119.5 179.3
 115 61.4 44.5 66.7

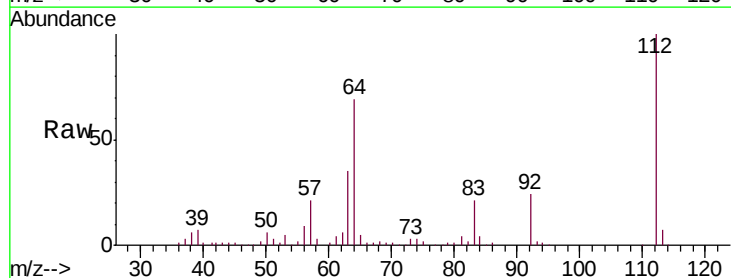


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

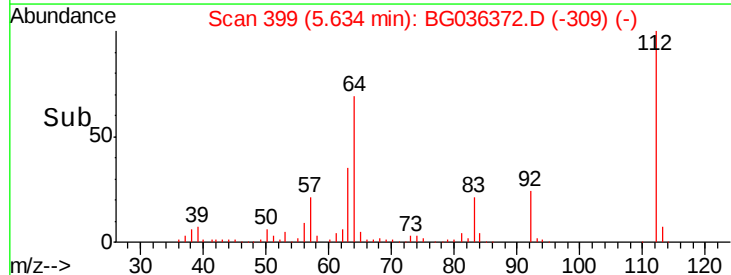
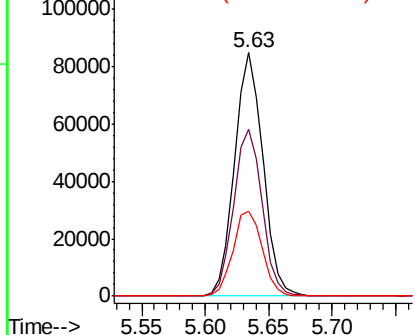


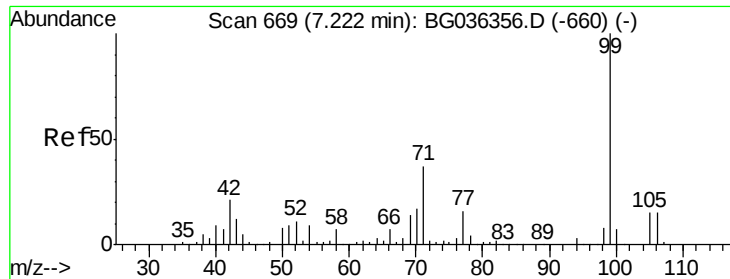
#5
 2-Fluorophenol
 Concen: 46.350 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

Tgt Ion:112 Resp: 131315
 Ion Ratio Lower Upper
 112 100
 64 68.5 57.2 85.8
 63 35.0 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: 28.018 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

Instrument :

BNA_G

ClientSampleId :

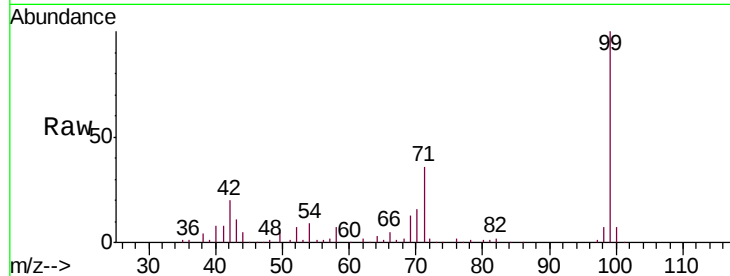
Tgt Ion: 99 Resp: 113650

Ion Ratio Lower Upper

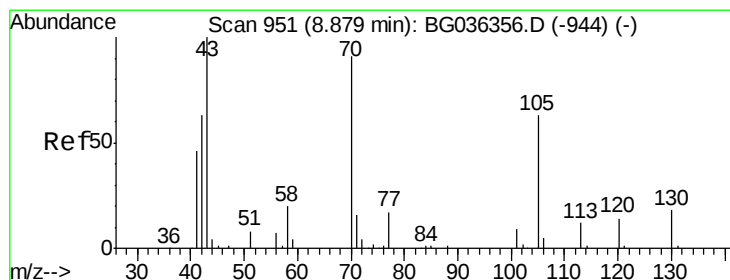
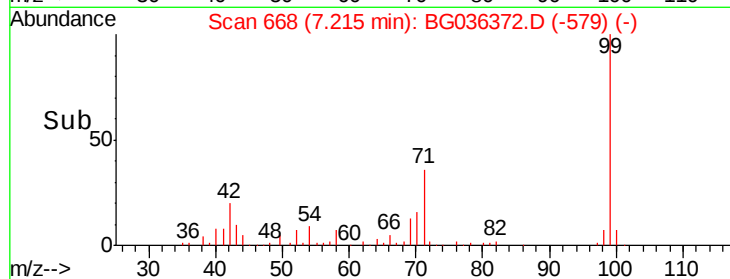
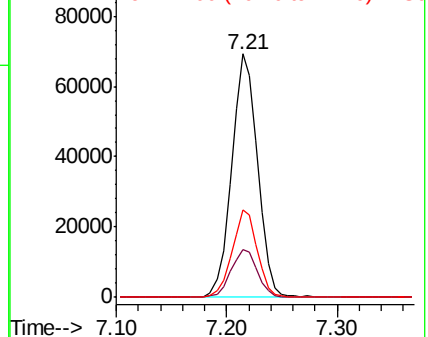
99 100

42 19.7 16.5 24.7

71 36.0 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: 17.201 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

Tgt Ion: 70 Resp: 52145

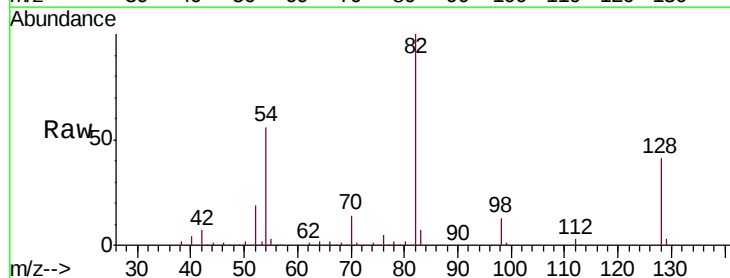
Ion Ratio Lower Upper

70 100

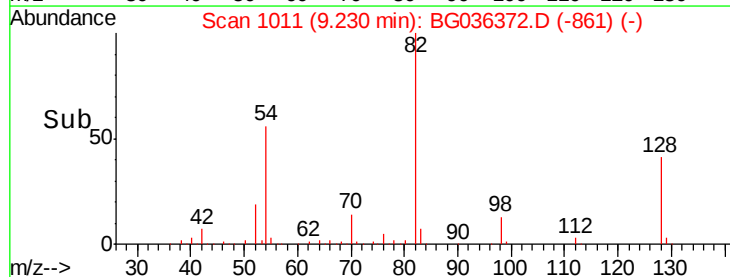
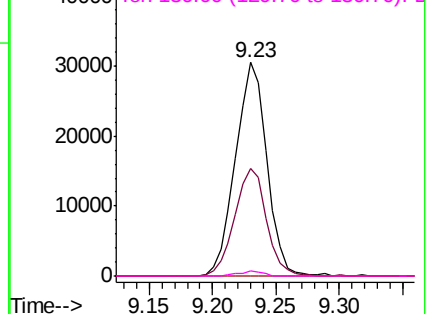
42 50.4 56.2 84.4#

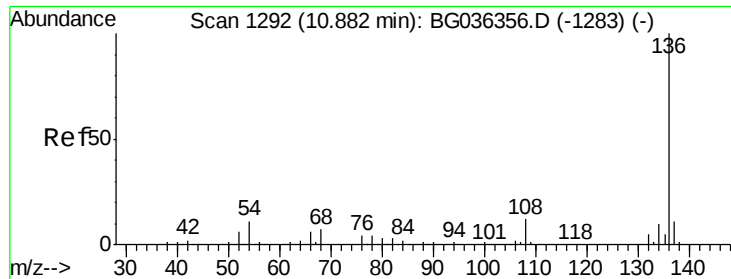
101 0.0 7.8 11.6#

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

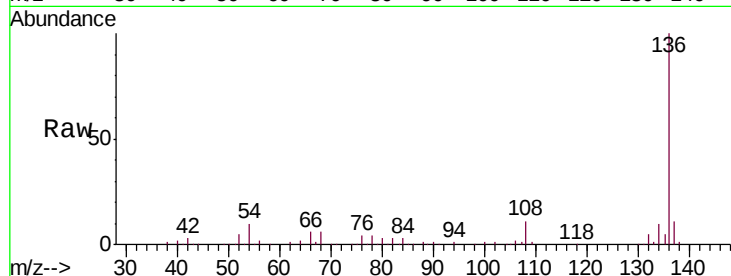




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036372.D
Acq: 23 Aug 2018 10:15

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	188071
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	10.3	9.2	13.8
68	6.0	5.8	8.6



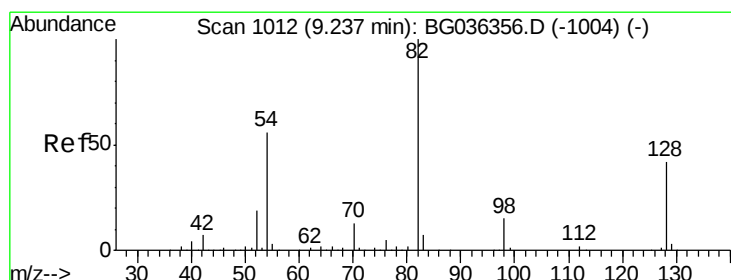
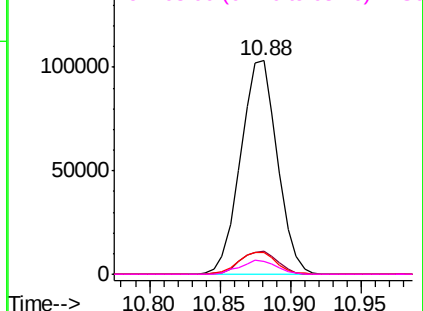
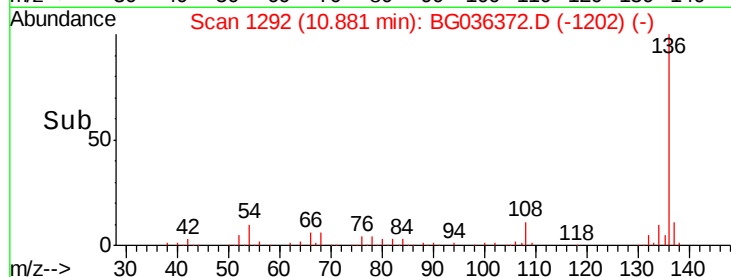
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

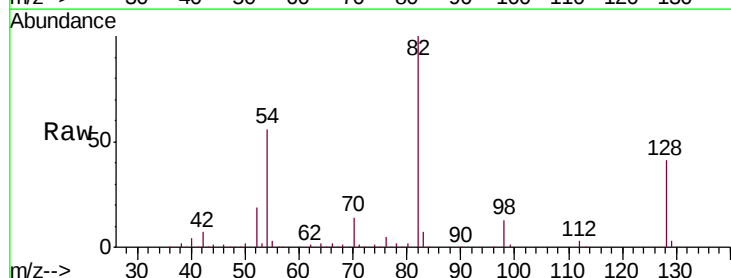
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 107.347 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036372.D
Acq: 23 Aug 2018 10:15

Tgt Ion:	82	Resp:	372098
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.3	49.9
54	55.5	45.1	67.7

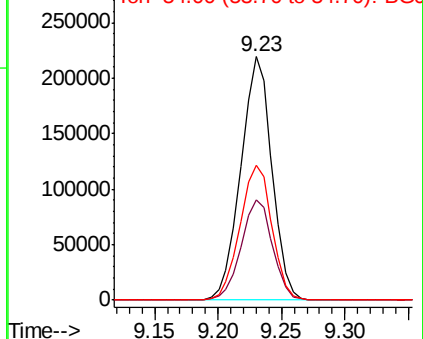
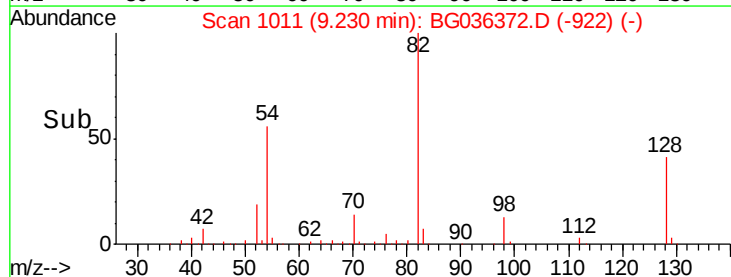


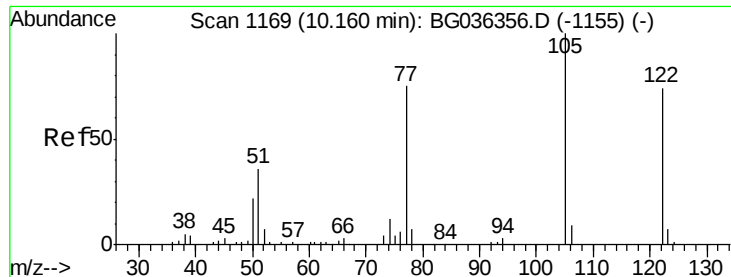
Abundance

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: 4.504 ng

RT: 10.09 min Scan# 1157

Delta R.T. -0.07 min

Lab File: BG036372.D

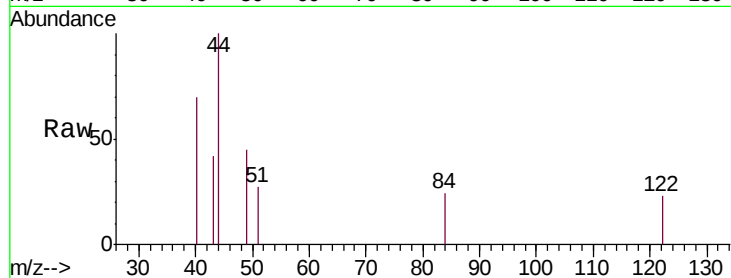
Acq: 23 Aug 2018 10:15

Instrument :

BNA_G

ClientSampleId :

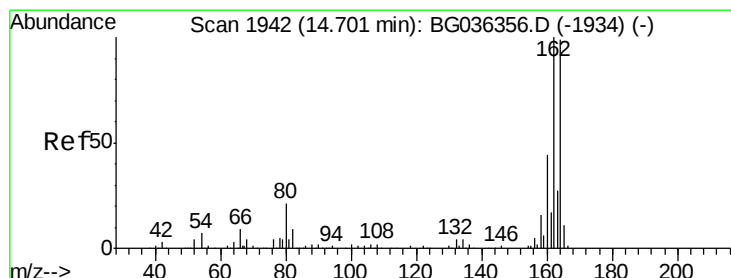
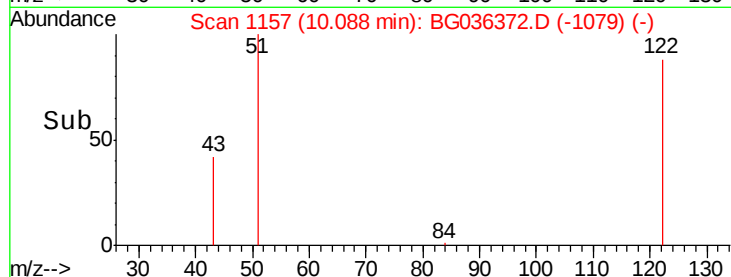
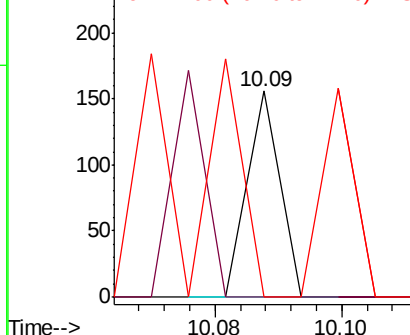
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.1	148.1#
77	0.0	76.3	116.3#



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

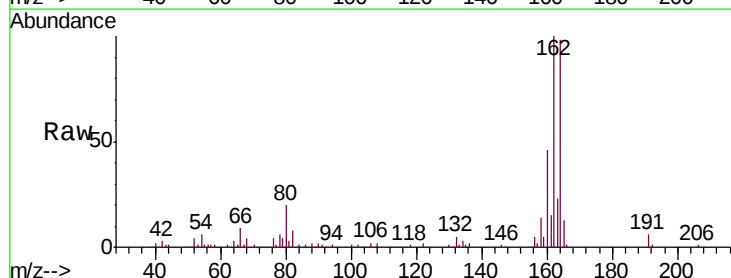
RT: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

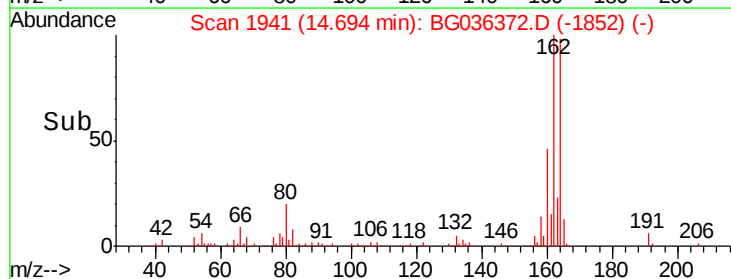
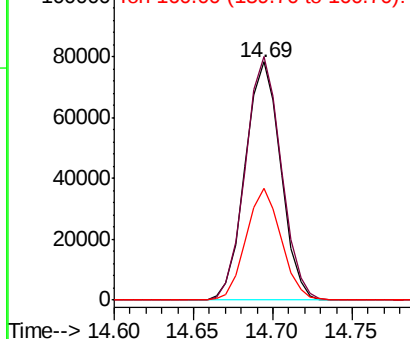
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.7	121.1
160	46.7	35.3	52.9

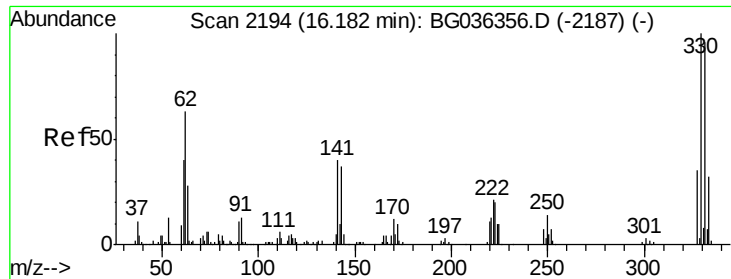


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

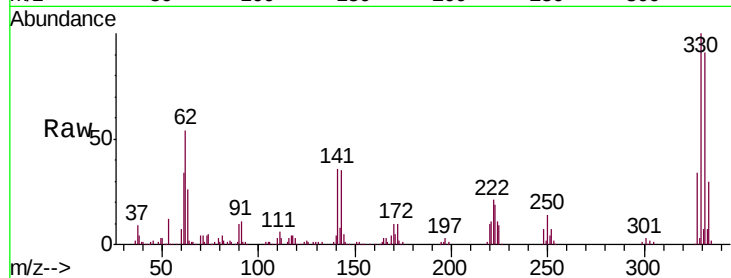




#41
 2,4,6-Tribromophenol
 Concen: 112.312 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.4	113.2
141	38.8	30.7	46.1

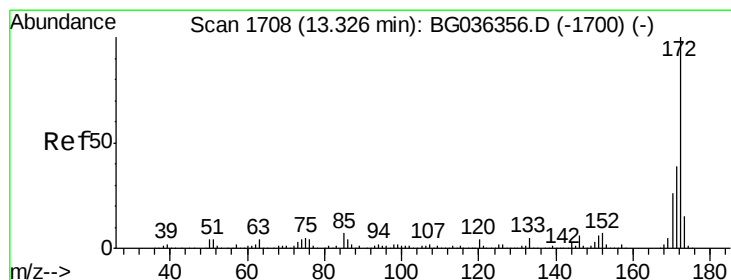
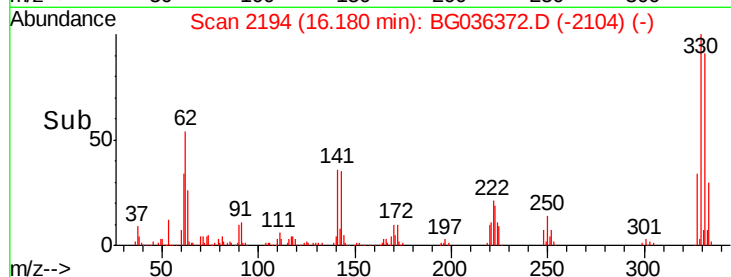
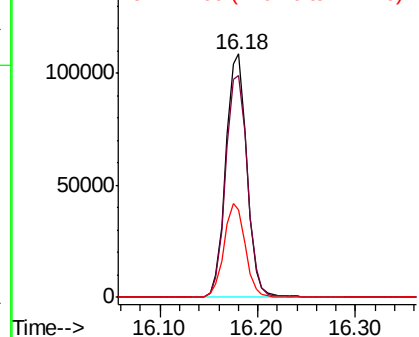


Abundance

Ion 329.80 (329.50 to 330.50): E

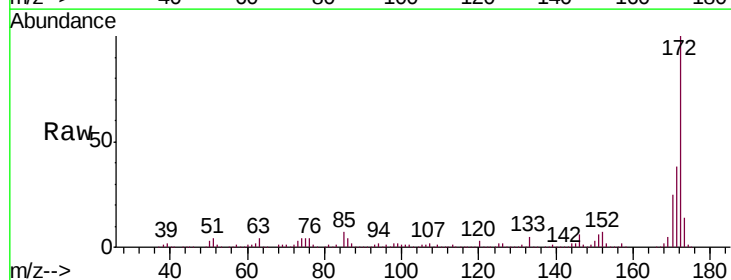
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.218 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	25.4	21.0	31.6

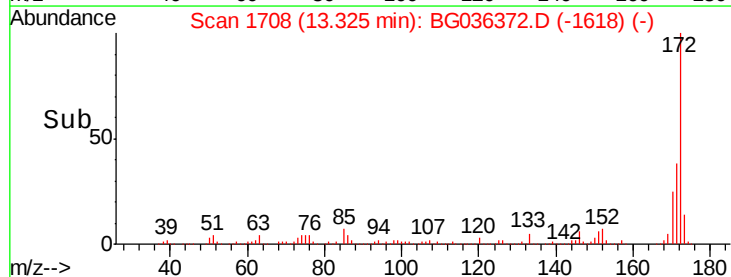
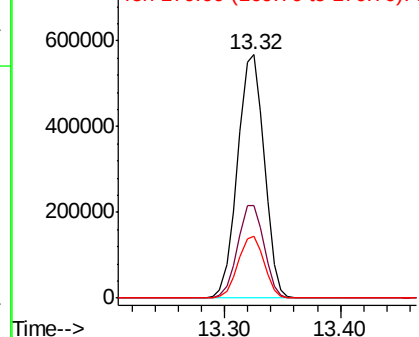


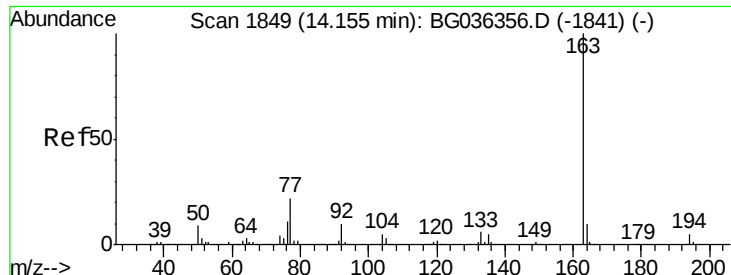
Abundance

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: 3.066 ng

RT: 14.14 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

Instrument :

BNA_G

ClientSampleId :

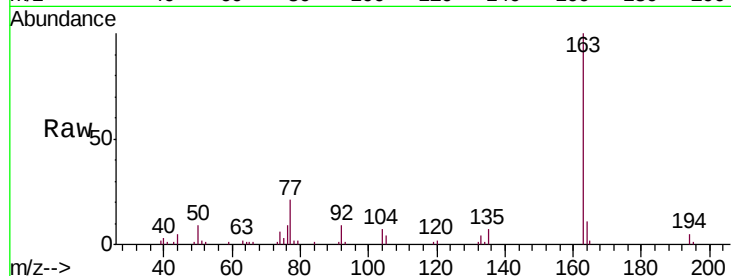
Tgt Ion:163 Resp: 30525

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

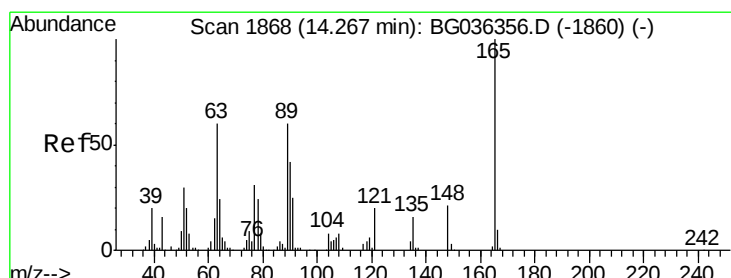
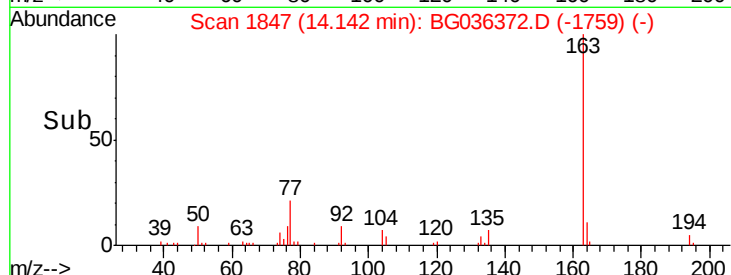
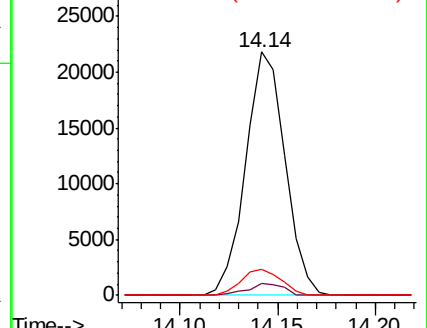
164 10.7 8.1 12.1



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



#50

2,6-Dinitrotoluene

Concen: 7.732 ng

RT: 14.69 min Scan# 1941

Delta R.T. 0.43 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

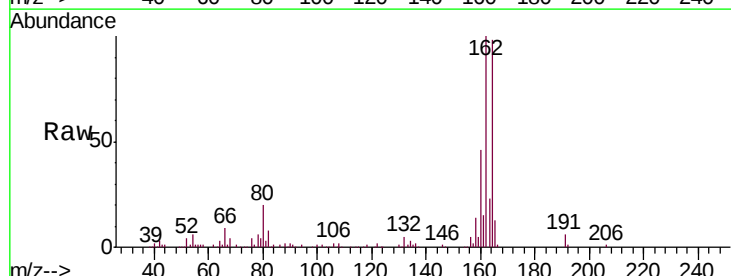
Tgt Ion:165 Resp: 15841

Ion Ratio Lower Upper

165 100

63 2.2 50.1 75.1#

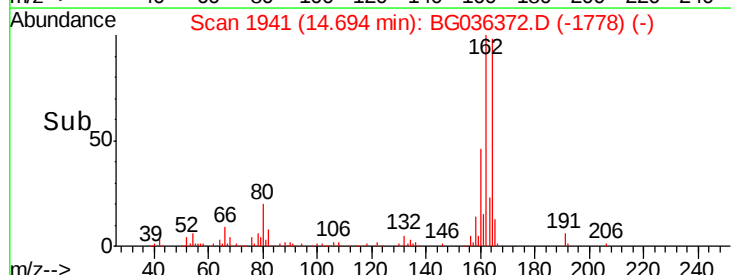
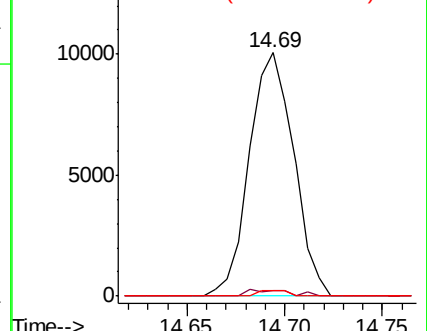
89 2.2 47.8 71.6#

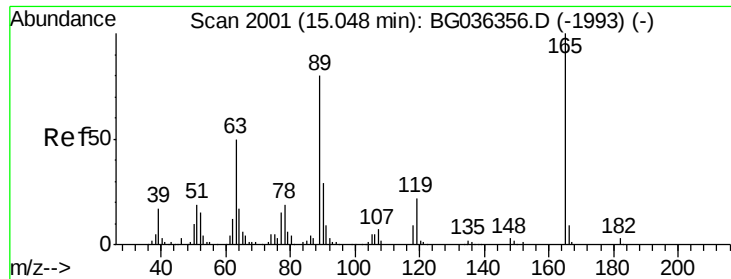


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

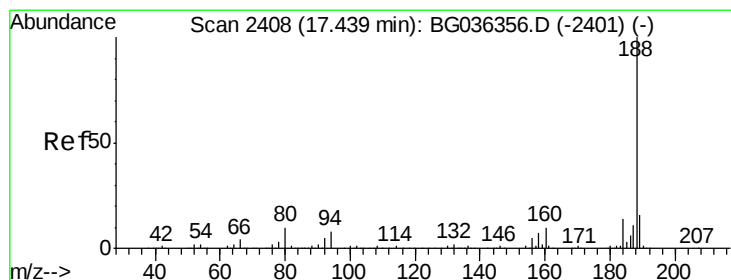
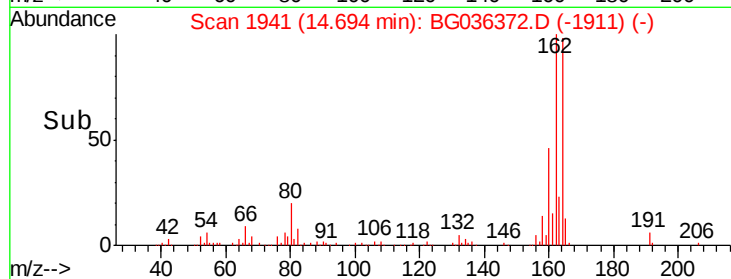
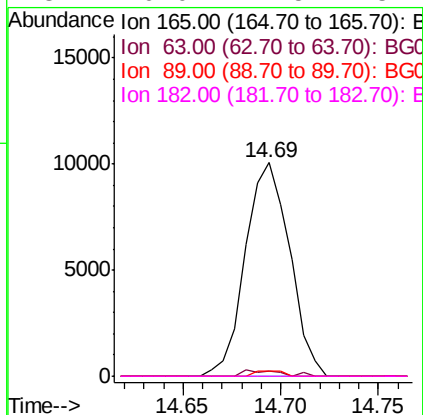
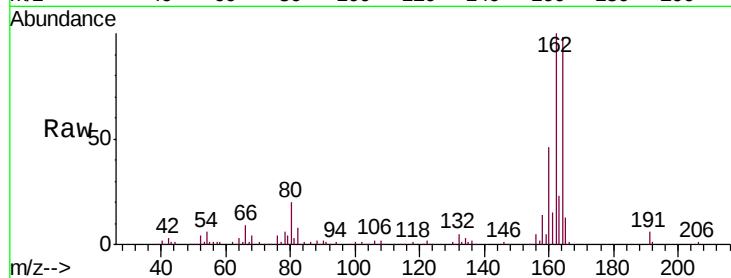




#56
 2,4-Dinitrotoluene
 Concen: 5.933 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.35 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

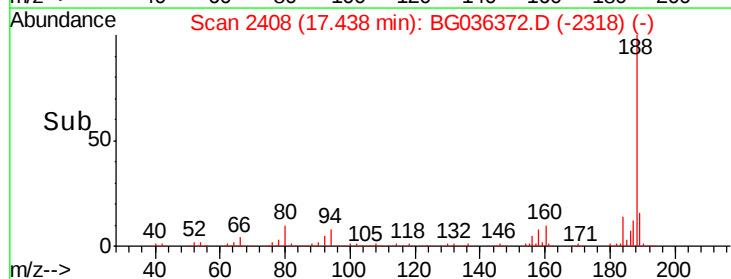
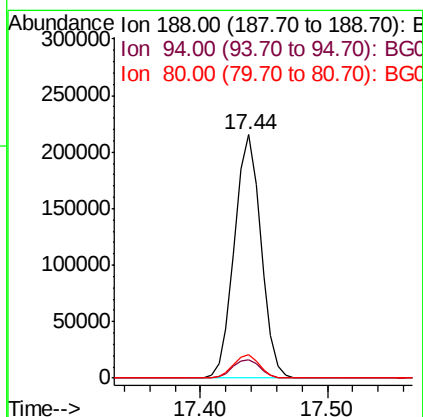
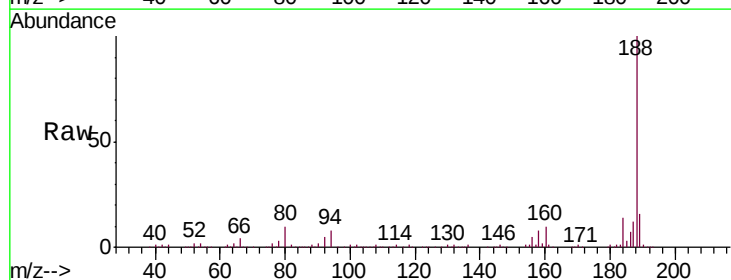
Instrument :
 BNA_G
 ClientSampleId :

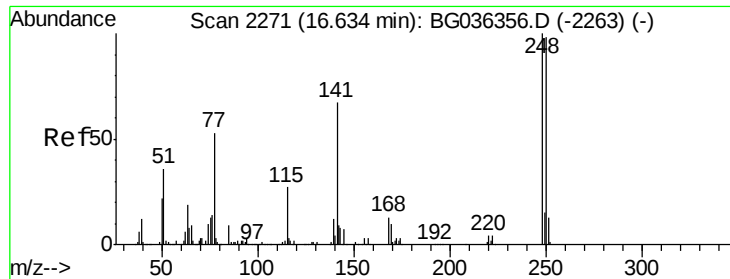
Tgt Ion:	165	Resp:	15841
Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	2.2	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036372.D
 Acq: 23 Aug 2018 10:15

Tgt Ion:	188	Resp:	311771
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.6	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.120 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

Instrument :

BNA_G

ClientSampled :

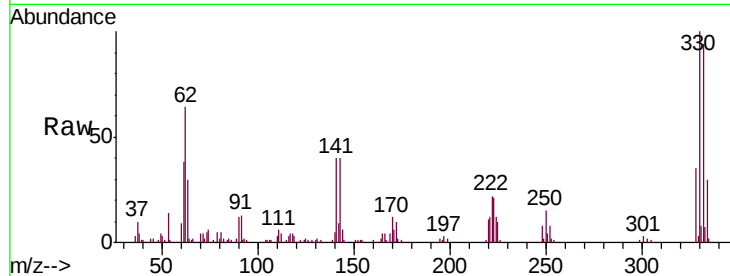
Tgt Ion:248 Resp: 11387

Ion Ratio Lower Upper

248 100

250 196.8 78.1 117.1#

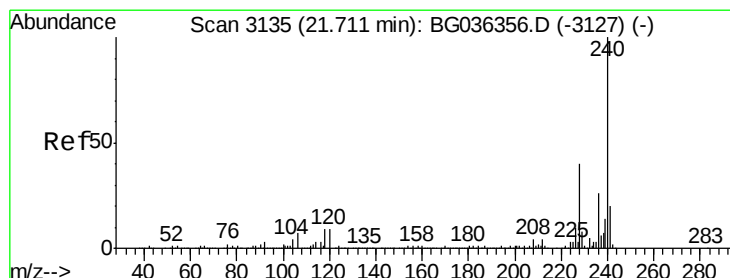
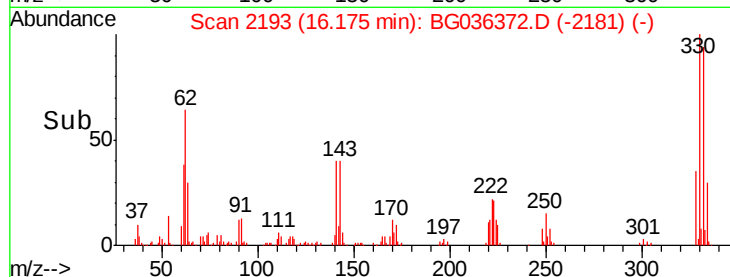
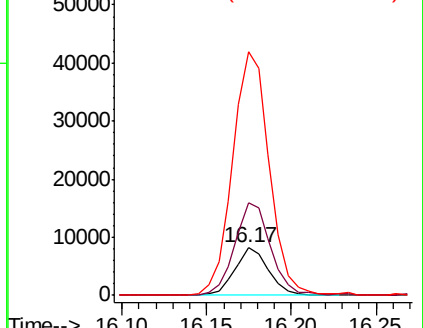
141 515.9 53.7 80.5#



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# 3134

Delta R.T. -0.01 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

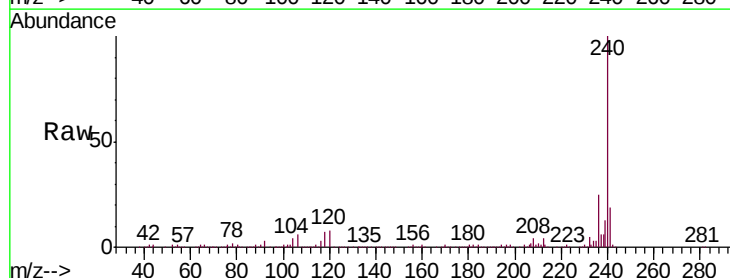
Tgt Ion:240 Resp: 361241

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

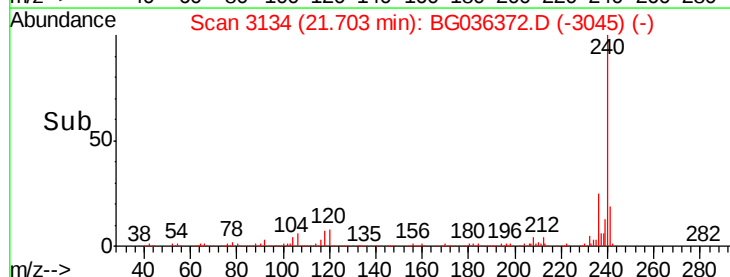
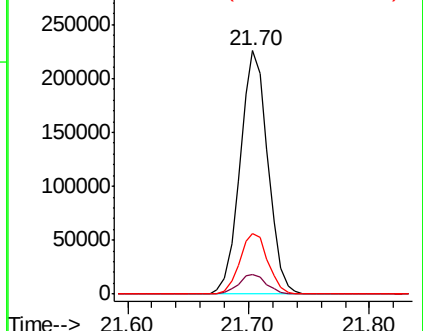
236 24.8 21.2 31.8

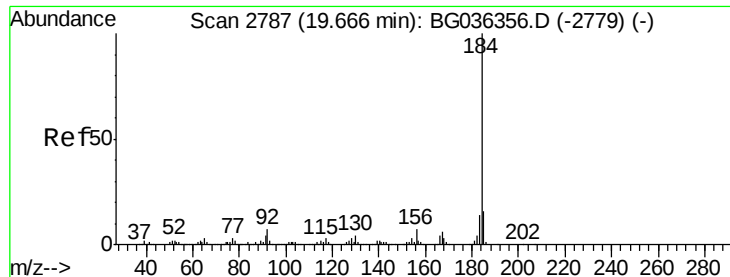


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.288 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

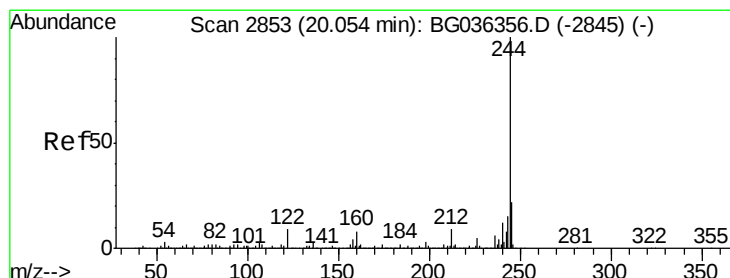
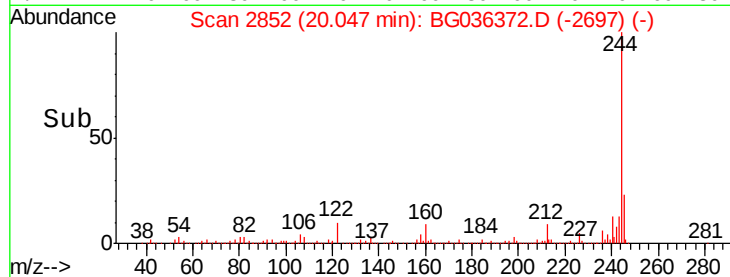
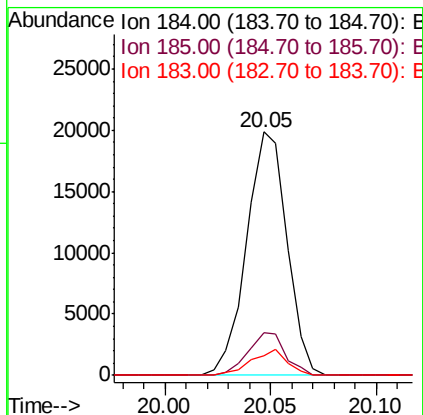
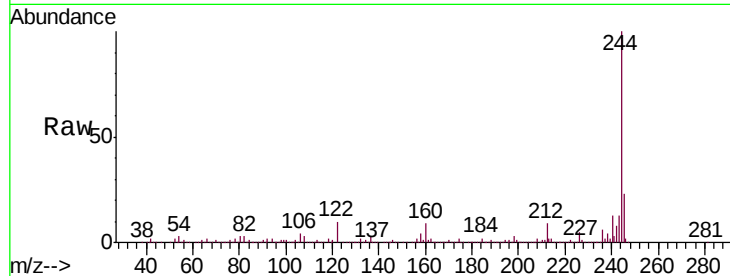
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:184 Resp: 26369

Ion	Ratio	Lower	Upper
184	100		
185	17.6	12.6	18.8
183	7.9	10.9	16.3#



#78

Terphenyl-d14

Concen: 97.737 ng

RT: 20.05 min Scan# 2852

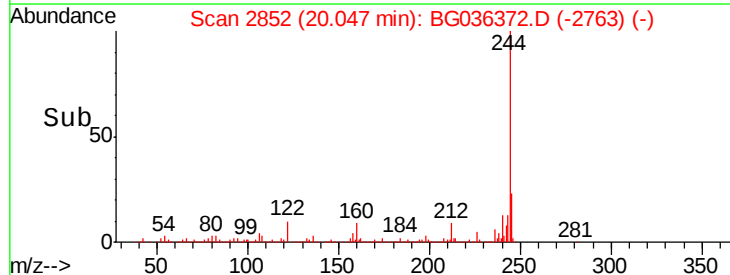
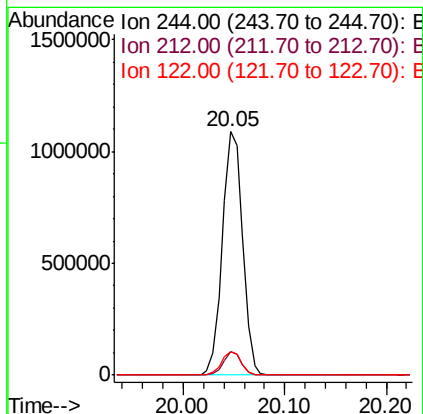
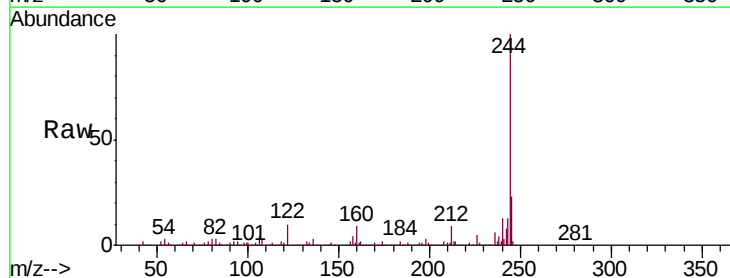
Delta R.T. -0.01 min

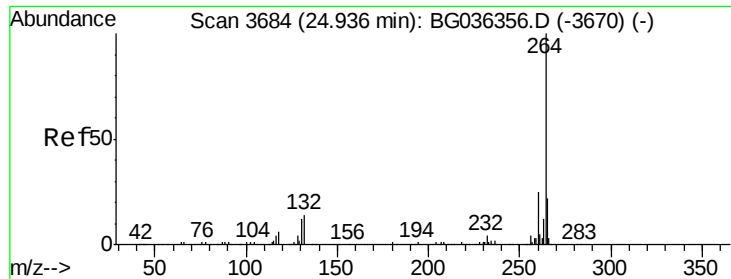
Lab File: BG036372.D

Acq: 23 Aug 2018 10:15

Tgt Ion:244 Resp: 1510539

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.6
122	9.9	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: BG036372.D
Acq: 23 Aug 2018 10:15

Instrument :
BNA_G
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	20.9	17.4	26.0

