

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036410.D
 Acq On : 24 Aug 2018 12:28
 Operator : JU/SJ
 Sample : J4568-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 13:35:38 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

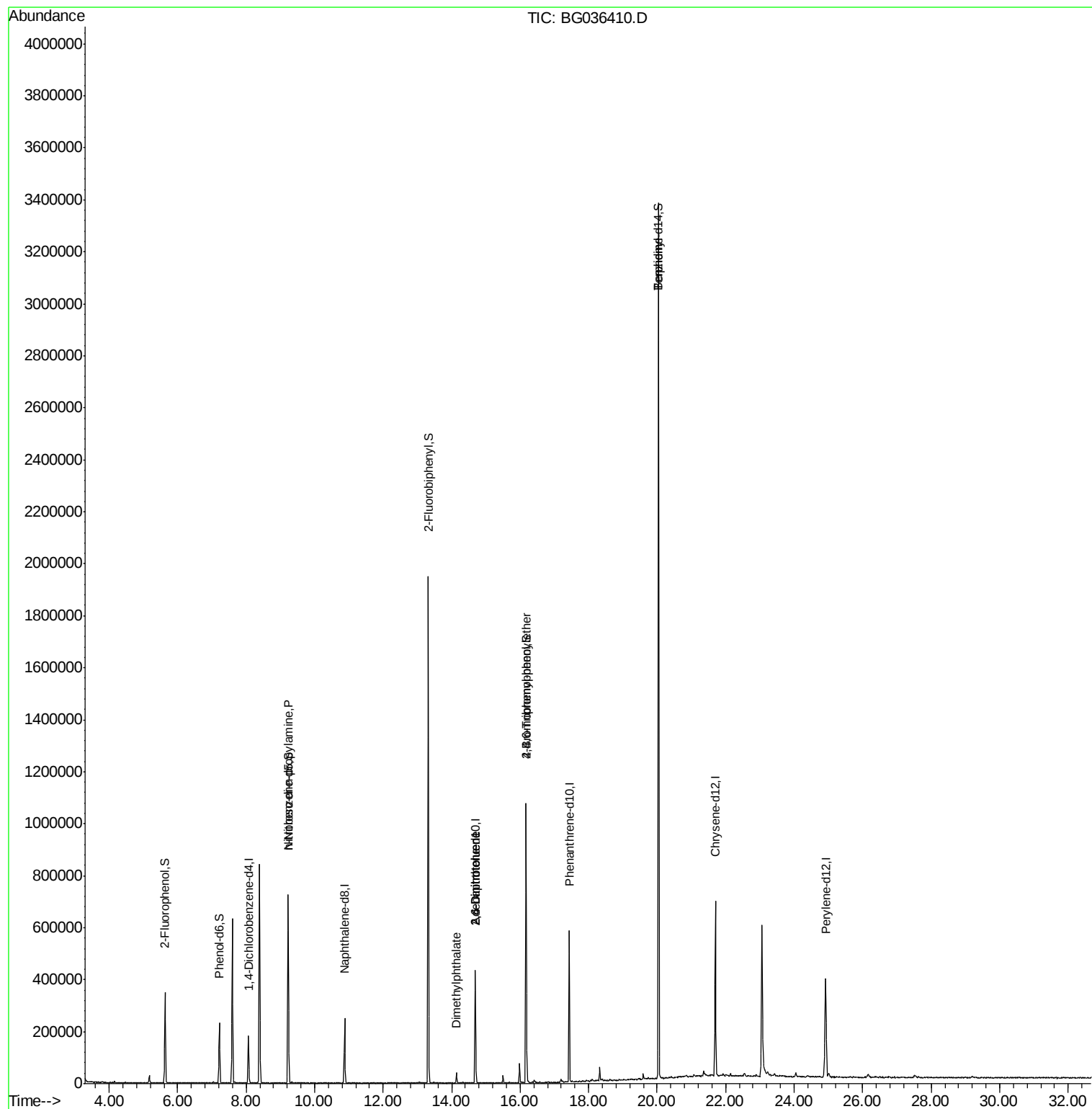
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	51695	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	211298	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	138722	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	361251	20.00	ng	0.00
75) Chrysene-d12	21.70	240	395091	20.00	ng	-0.01
86) Perylene-d12	24.92	264	407831	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	147531	45.27	ng	0.00
7) Phenol-d6	7.21	99	129694	27.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	430054	110.43	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	195121	117.88	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1004592	103.40	ng	0.00
78) Terphenyl-d14	20.04	244	1549561	91.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	57722	16.553	ng	# 72
49) Dimethylphthalate	14.14	163	25936	2.290	ng	# 96
50) 2,6-Dinitrotoluene	14.69	165	17775	7.626	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	17775	5.851	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	14118	3.338	ng	# 1
76) Benzidine	20.04	184	28055	2.226	ng	# 94

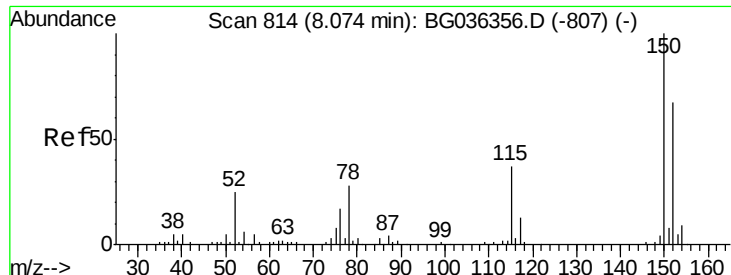
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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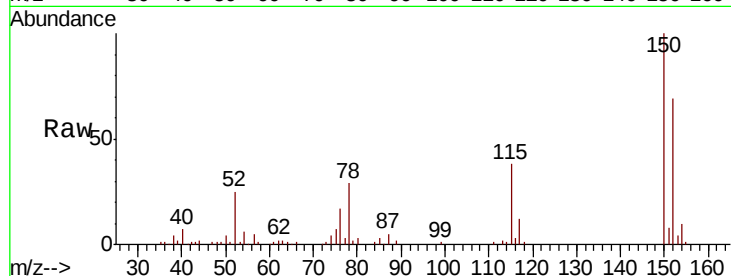




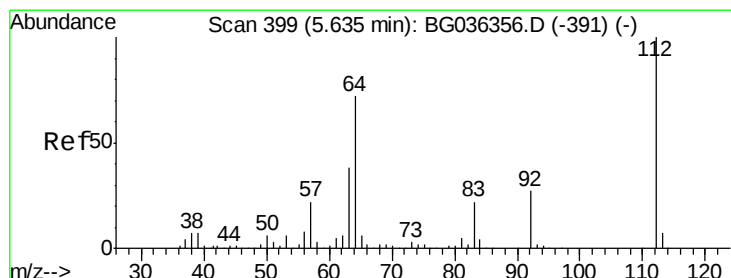
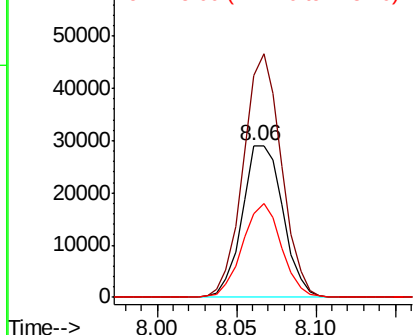
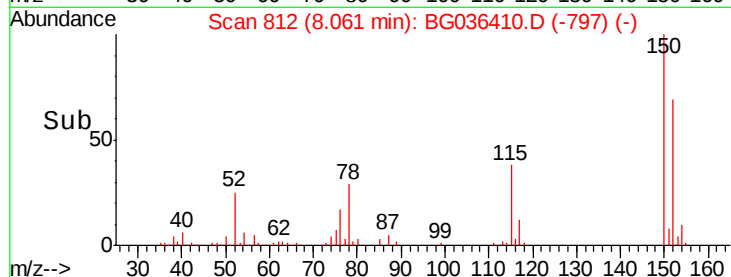
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 51695
 Ion Ratio Lower Upper
 152 100
 150 145.5 119.5 179.3
 115 54.7 44.5 66.7

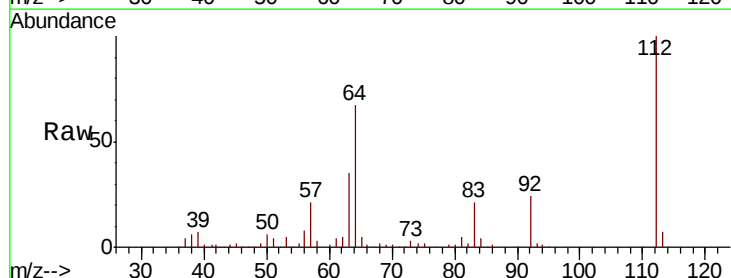


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

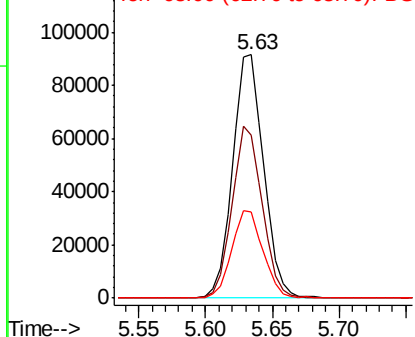
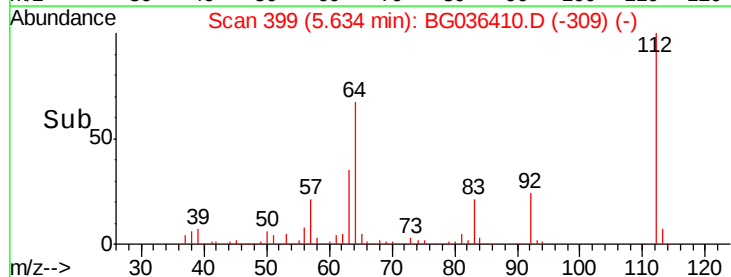


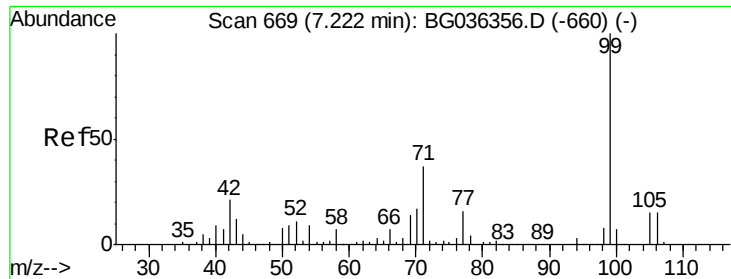
#5
 2-Fluorophenol
 Concen: 45.271 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

Tgt Ion:112 Resp: 147531
 Ion Ratio Lower Upper
 112 100
 64 66.9 57.2 85.8
 63 35.2 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: 27.796 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036410.D

Acq: 24 Aug 2018 12:28

Instrument :

BNA_G

ClientSampled :

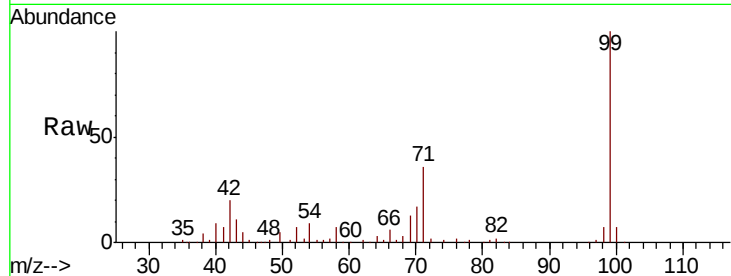
Tot Ion: 99 Resp: 129694

Ion Ratio Lower Upper

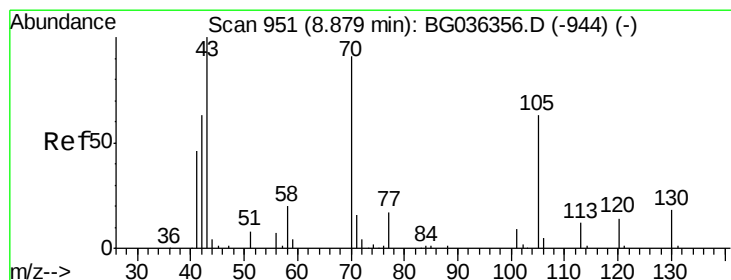
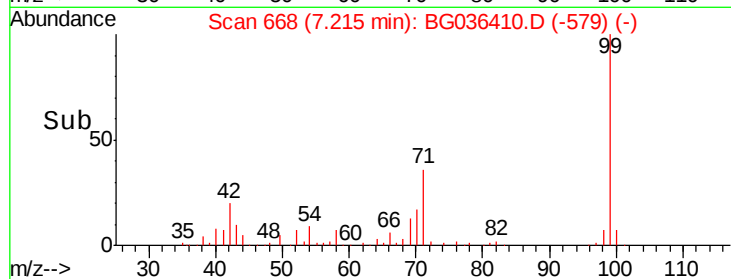
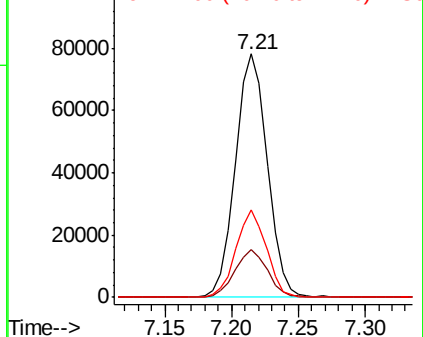
99 100

42 19.5 16.5 24.7

71 35.9 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: 16.553 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG036410.D

Acq: 24 Aug 2018 12:28

Tgt Ion: 70 Resp: 57722

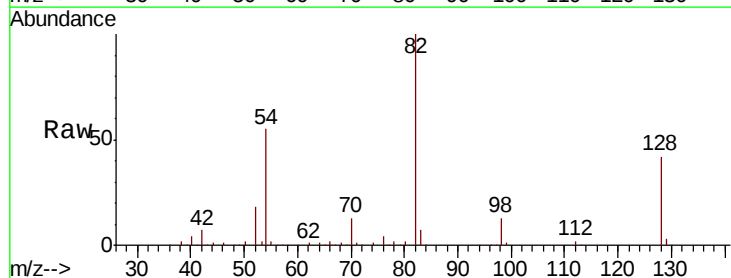
Ion Ratio Lower Upper

70 100

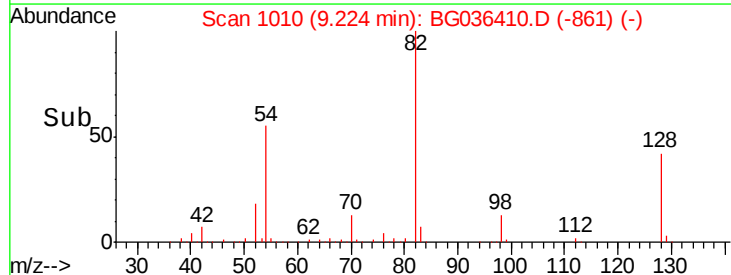
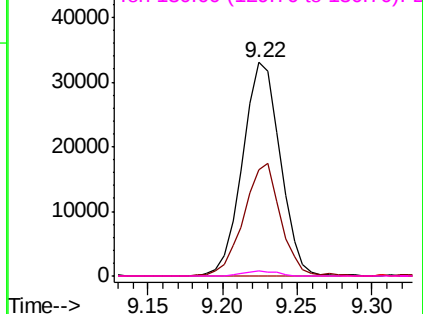
42 49.6 56.2 84.4#

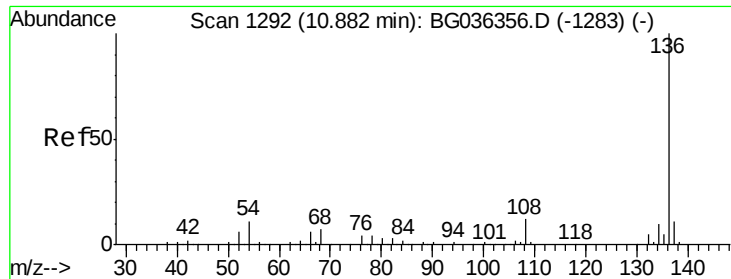
101 0.0 7.8 11.6#

130 2.4 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

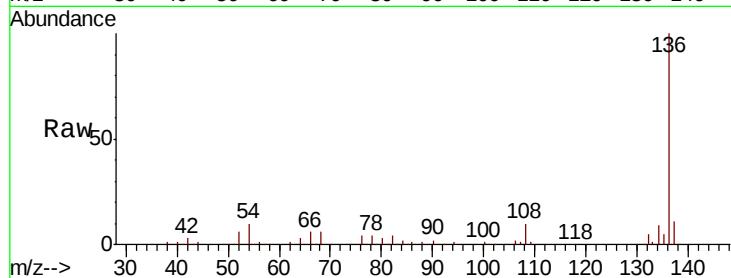




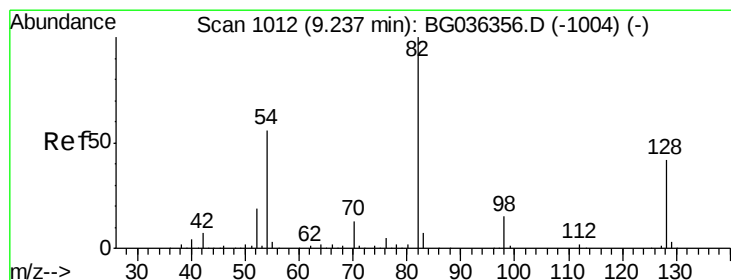
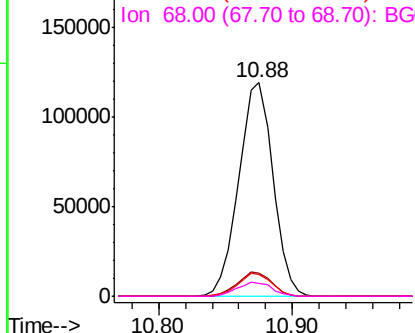
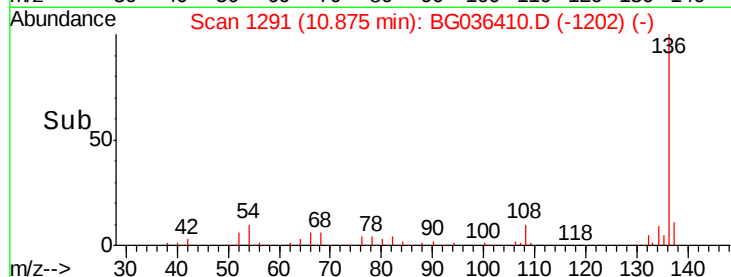
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	211298
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	10.0	9.2 13.8
68	6.2	5.8 8.6

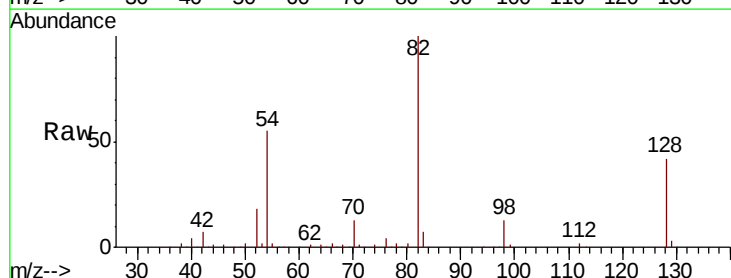


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

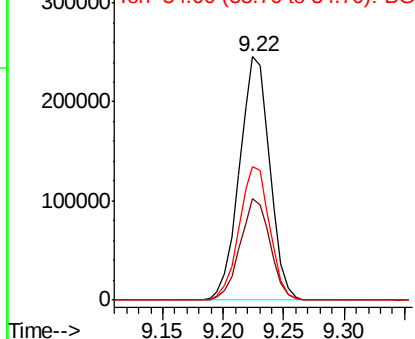
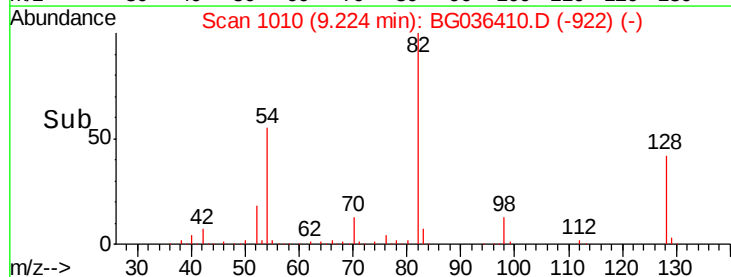


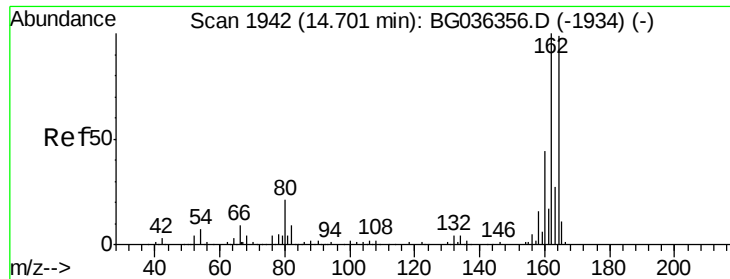
#23
Nitrobenzene-d5
Concen: 110.428 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

Tgt Ion: 82	Resp:	430054
Ion	Ratio	Lower Upper
82	100	
128	42.0	33.3 49.9
54	55.0	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

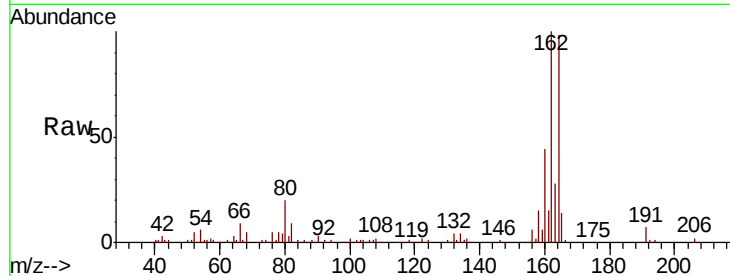




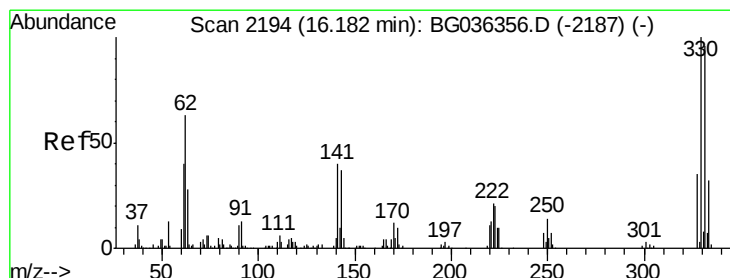
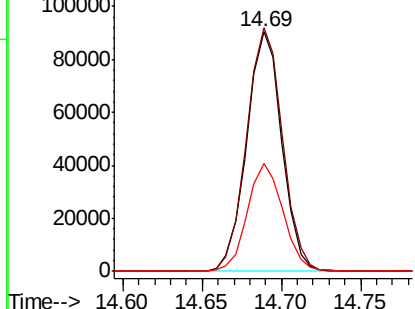
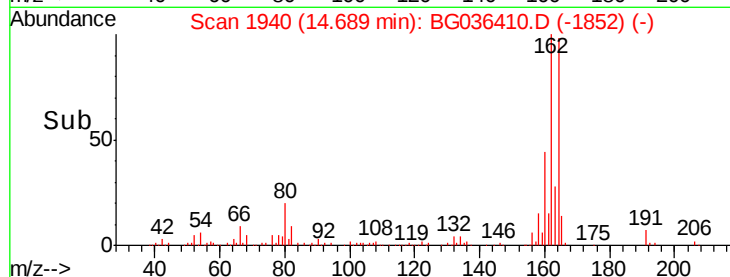
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 138722
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.7 121.1
 160 45.2 35.3 52.9

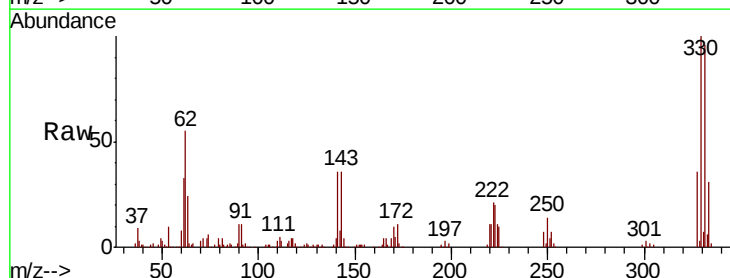


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

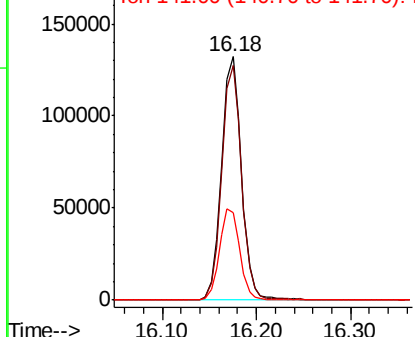
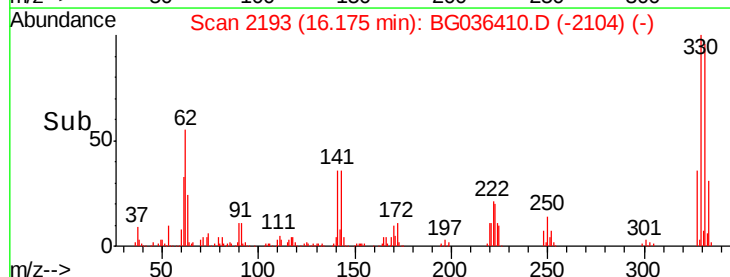


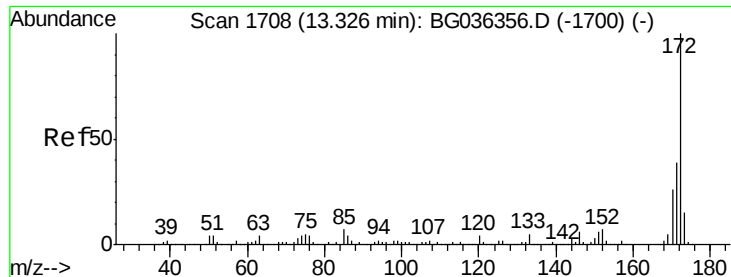
#41
 2,4,6-Tribromophenol
 Concen: 117.879 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

Tgt Ion:330 Resp: 195121
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.2
 141 38.2 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



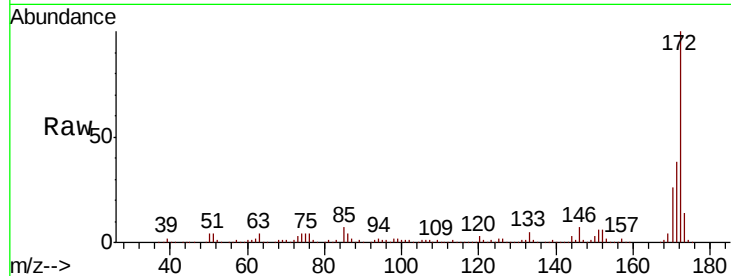


#44
 2-Fluorobiphenyl
 Concen: 103.399 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

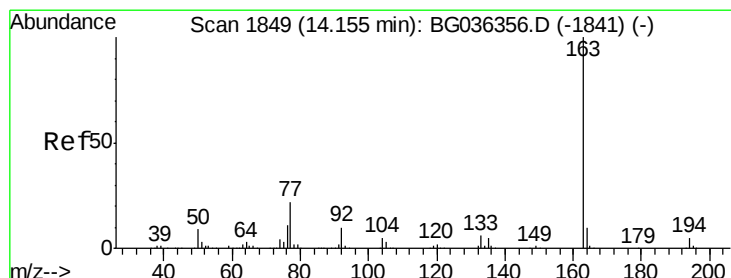
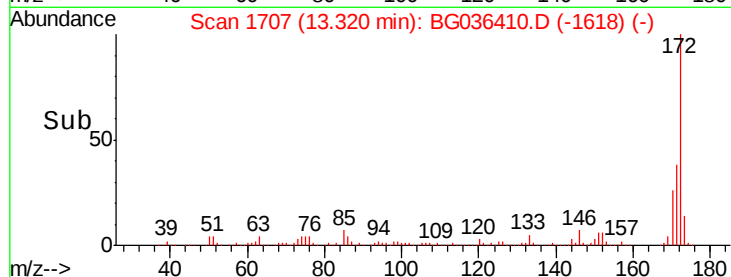
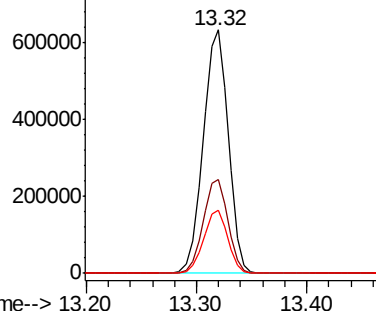
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1004592

Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.3	46.9
170	25.9	21.0	31.6



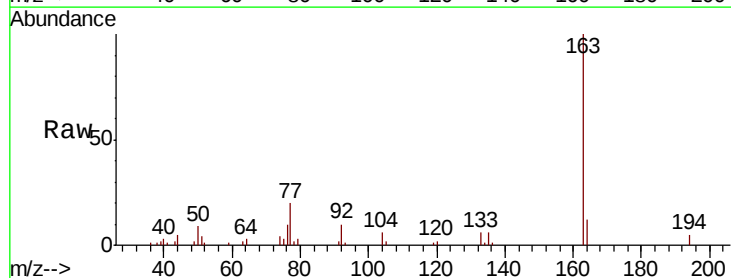
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



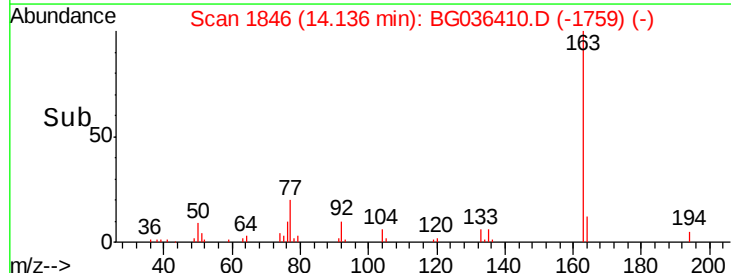
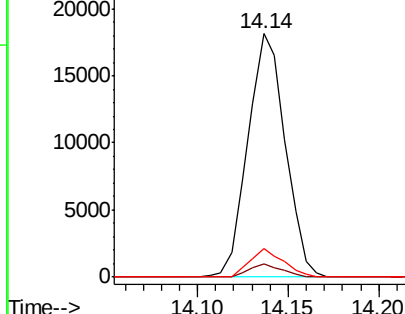
#49
 Dimethylphthalate
 Concen: 2.290 ng
 RT: 14.14 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

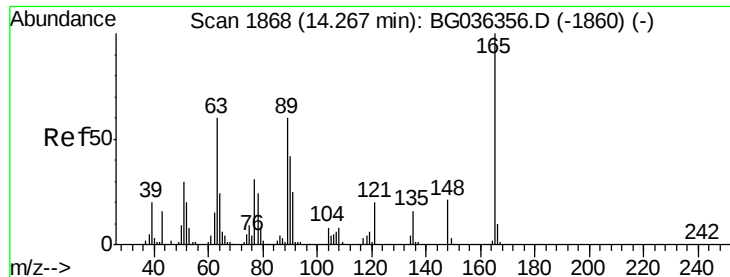
Tgt Ion:163 Resp: 25936

Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.0	6.0
164	12.0	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

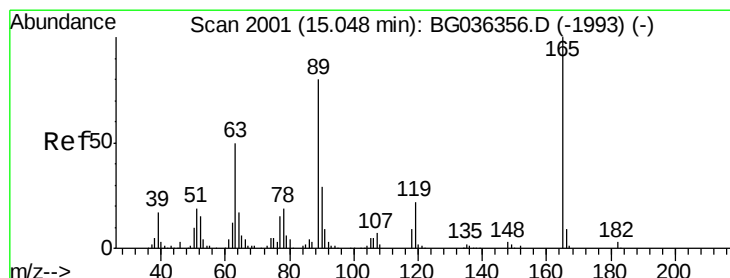
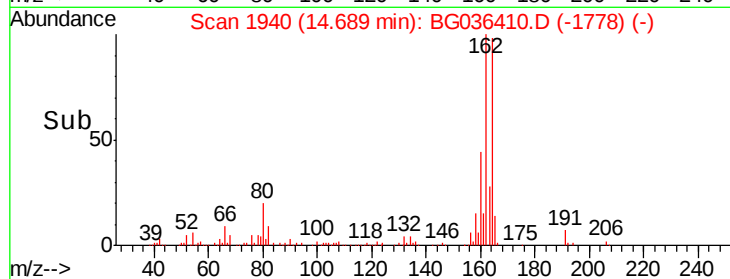
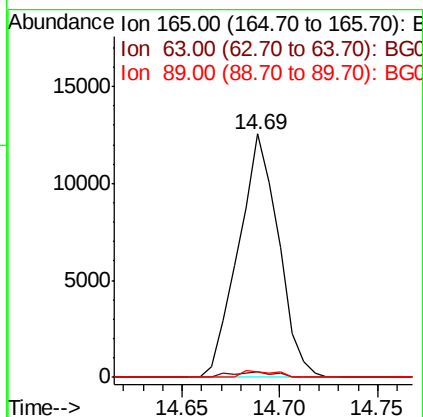
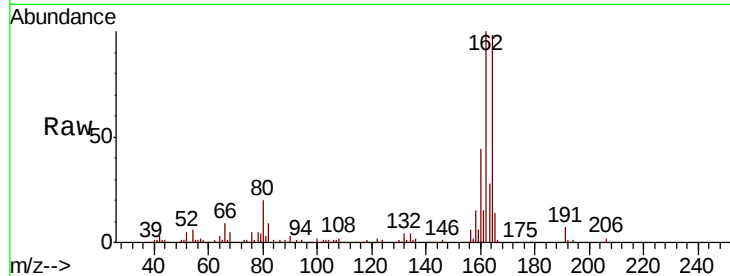




#50
2,6-Dinitrotoluene
Concen: 7.626 ng
RT: 14.69 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

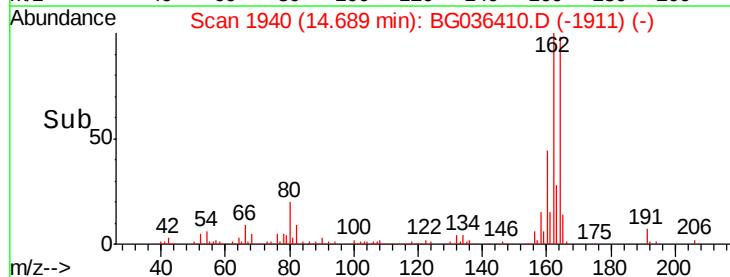
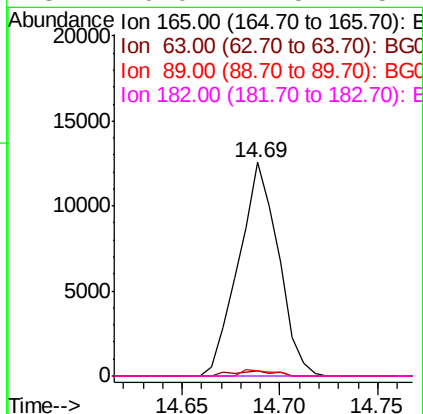
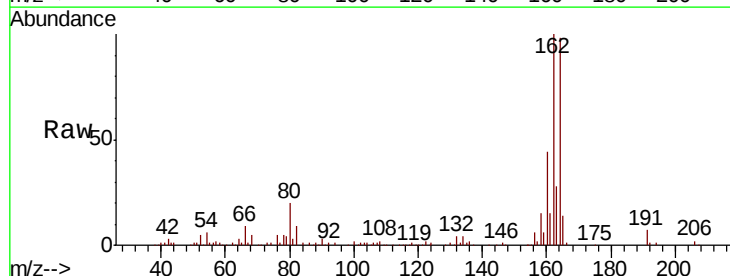
Instrument :
BNA_G
ClientSampleId :

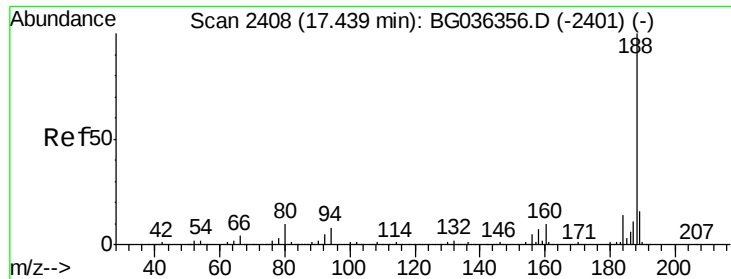
Tot Ion:165 Resp: 17775
Ion Ratio Lower Upper
165 100
63 2.1 50.1 75.1#
89 2.3 47.8 71.6#



#56
2,4-Dinitrotoluene
Concen: 5.851 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.36 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

Tgt Ion:165 Resp: 17775
Ion Ratio Lower Upper
165 100
63 2.1 40.1 60.1#
89 2.3 63.7 95.5#
182 0.0 2.5 3.7#

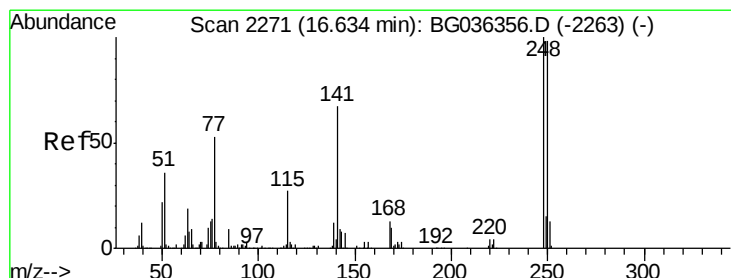
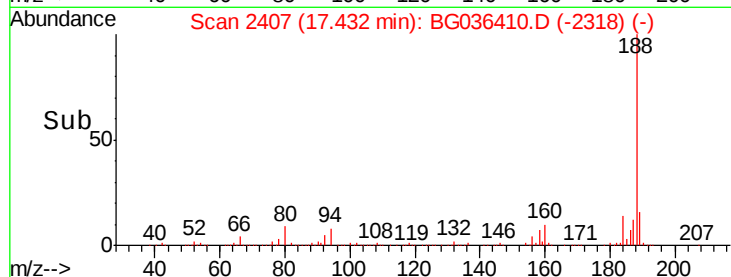
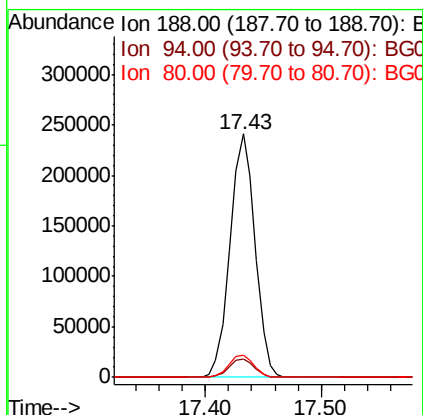
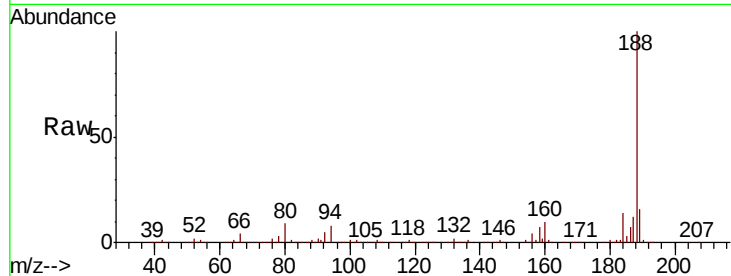




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

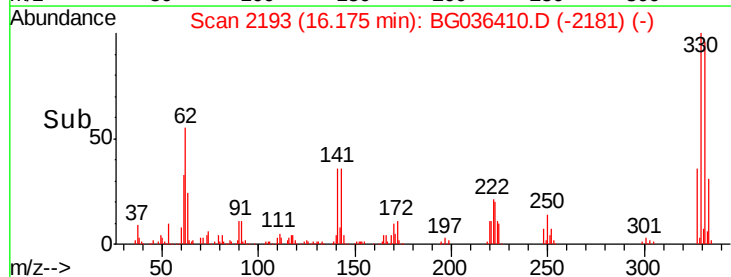
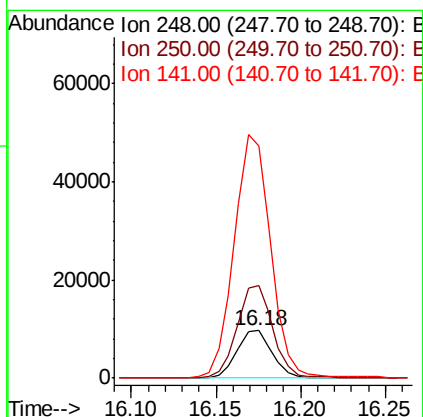
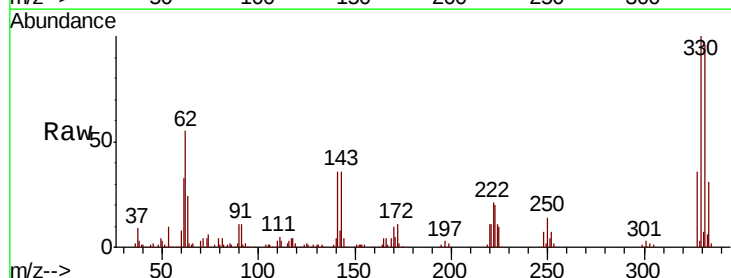
Instrument :
 BNA_G
 ClientSampleId :

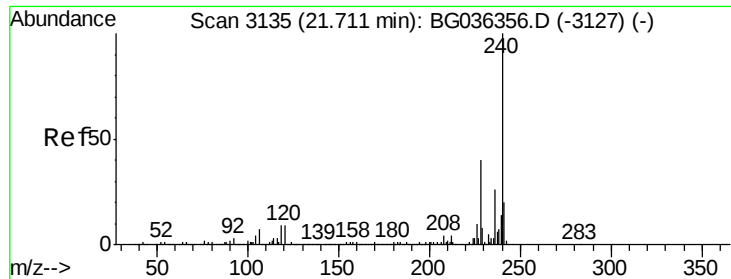
Tot Ion:188 Resp: 361251
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.7 10.1
 80 8.9 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.338 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036410.D
 Acq: 24 Aug 2018 12:28

Tgt Ion:248 Resp: 14118
 Ion Ratio Lower Upper
 248 100
 250 193.7 78.1 117.1#
 141 486.2 53.7 80.5#

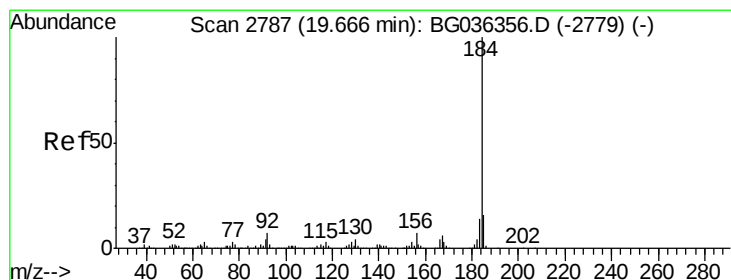
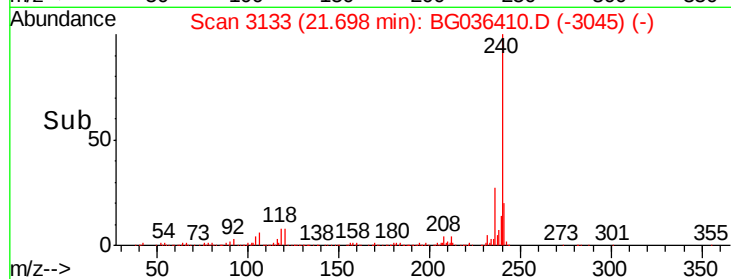
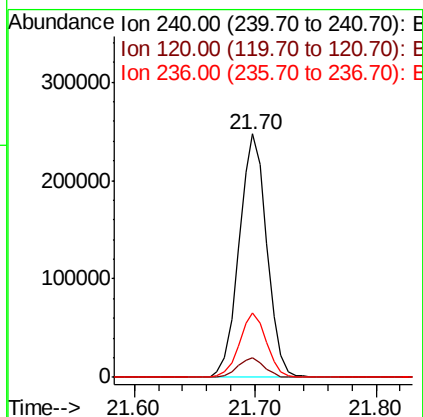
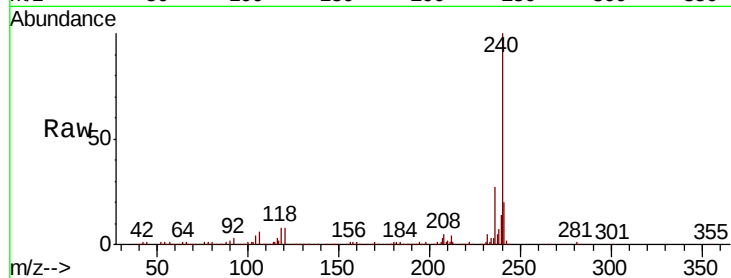




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

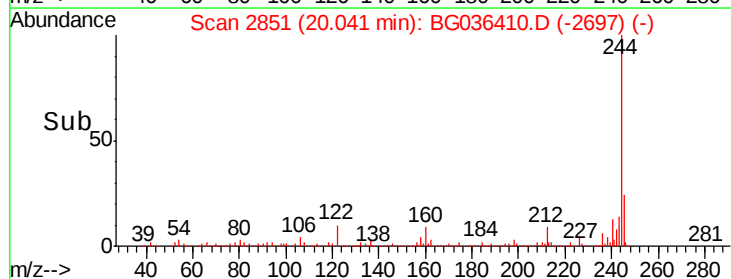
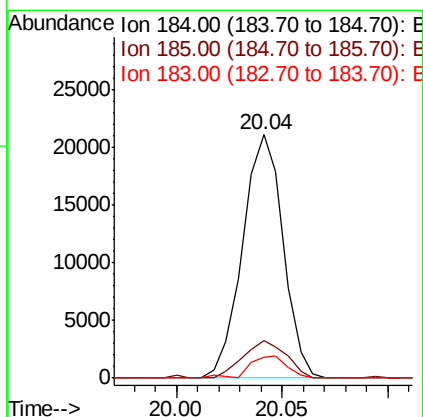
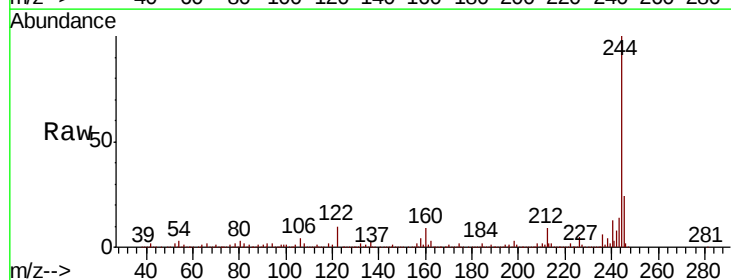
Instrument :
BNA_G
ClientSampleId :

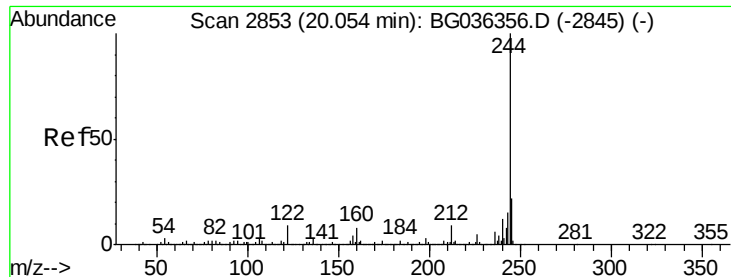
Tot Ion:240 Resp: 395091
Ion Ratio Lower Upper
240 100
120 8.1 6.9 10.3
236 26.7 21.2 31.8



#76
Benzidine
Concen: 2.226 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.38 min
Lab File: BG036410.D
Acq: 24 Aug 2018 12:28

Tgt Ion:184 Resp: 28055
Ion Ratio Lower Upper
184 100
185 15.2 12.6 18.8
183 8.8 10.9 16.3#





#78

Terphenyl-d14

Concen: 91.671 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG036410.D

Acq: 24 Aug 2018 12:28

Instrument :

BNA_G

ClientSampled :

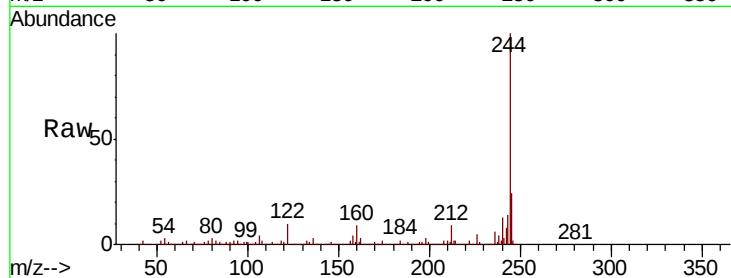
Tot Ion:244 Resp: 1549561

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.6
122	9.6	7.1	10.7

244 100

212 9.3 7.0 10.6

122 9.6 7.1 10.7

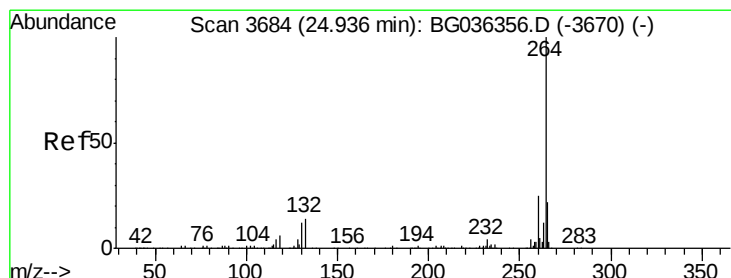
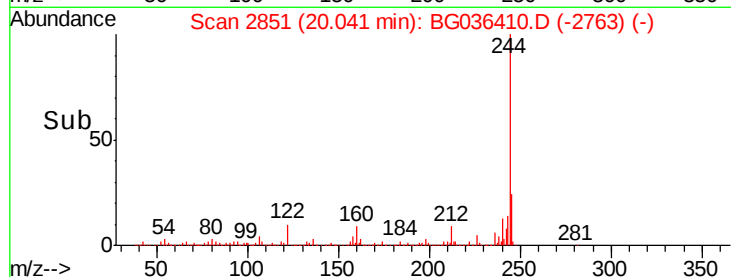
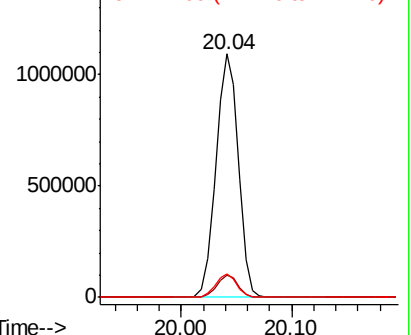


Abundance

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: BG036410.D

Acq: 24 Aug 2018 12:28

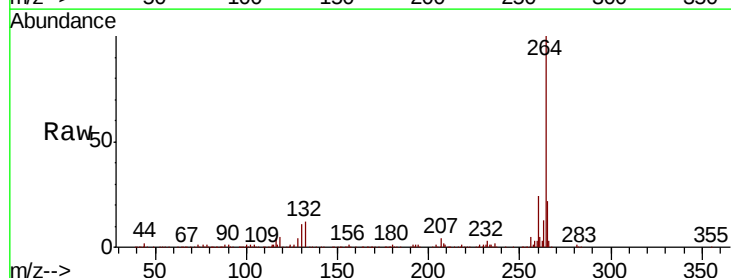
Tgt Ion:264 Resp: 407831

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.1	17.4	26.0

264 100

260 24.2 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

