

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036370.D
 Acq On : 23 Aug 2018 8:57
 Operator : JU/SJ
 Sample : J4540-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 12:32:09 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

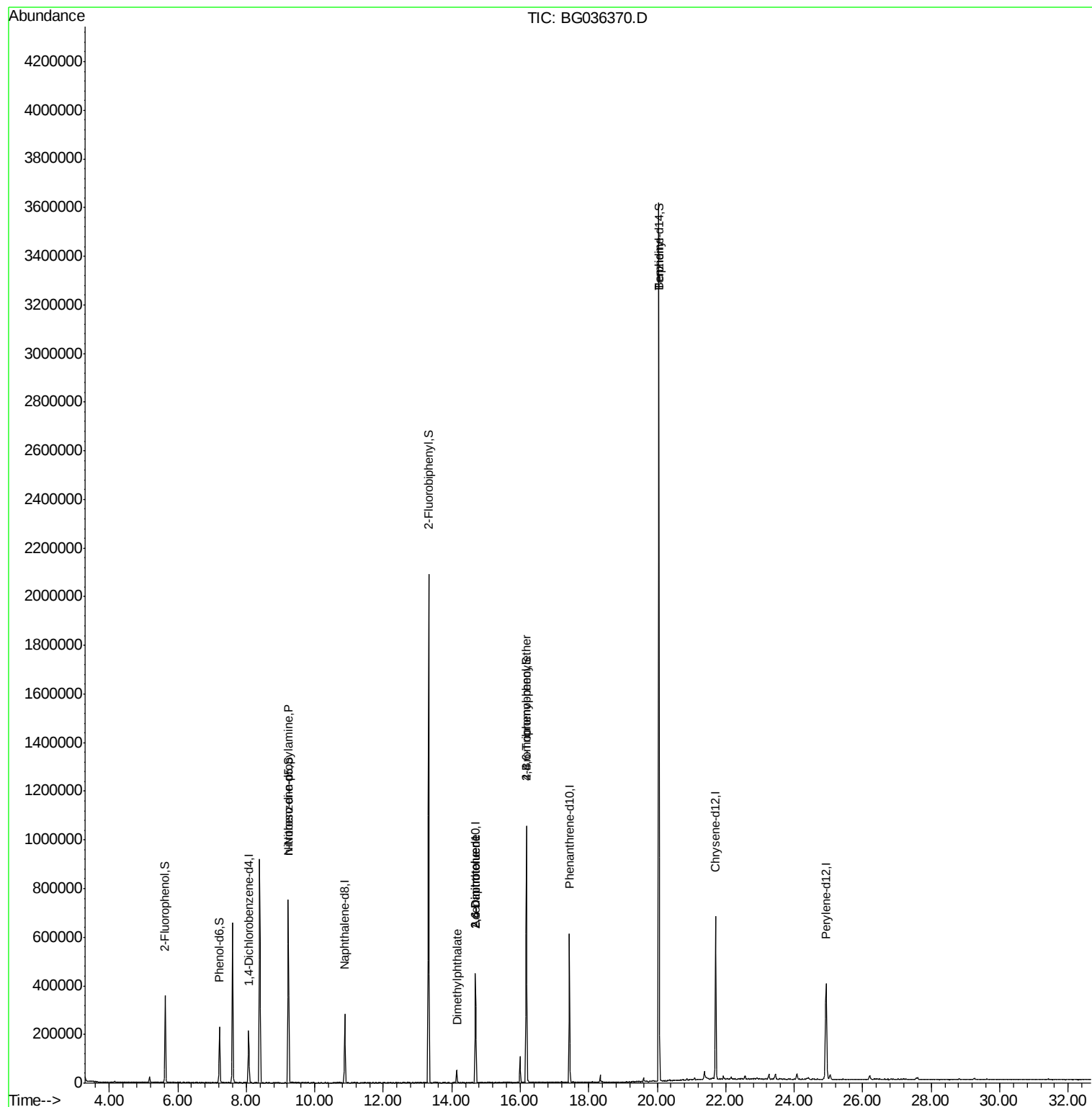
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	58010	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	235940	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	151461	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	373983	20.00	ng	0.00
75) Chrysene-d12	21.71	240	423074	20.00	ng	0.00
86) Perylene-d12	24.93	264	428251	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	149152	40.79	ng	0.00
7) Phenol-d6	7.22	99	127899	24.43	ng	0.00
23) Nitrobenzene-d5	9.23	82	456348	104.94	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	182831	101.16	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1049635	98.95	ng	0.00
78) Terphenyl-d14	20.05	244	1646289	90.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	62419	15.951	ng	Qvalue # 71
49) Dimethylphthalate	14.15	163	35479	2.869	ng	99
50) 2,6-Dinitrotoluene	14.69	165	19385	7.617	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	19385	5.845	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	13150	3.003	ng	# 1
76) Benzidine	20.05	184	30276	2.243	ng	# 93

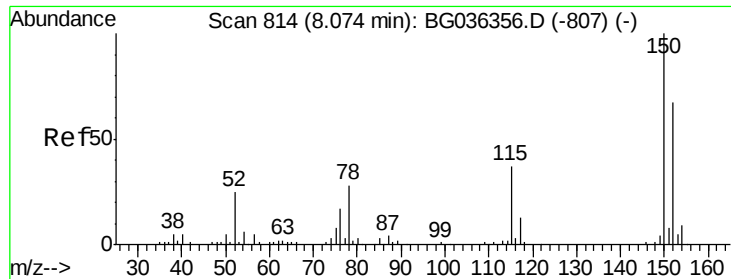
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



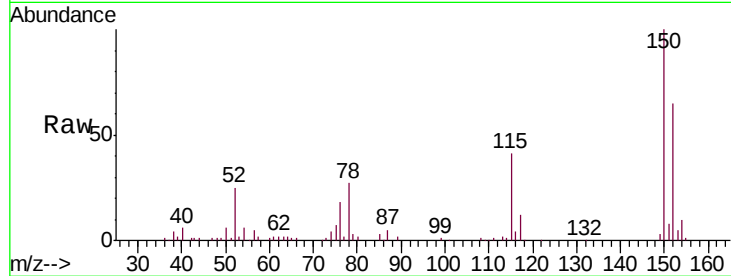


#1

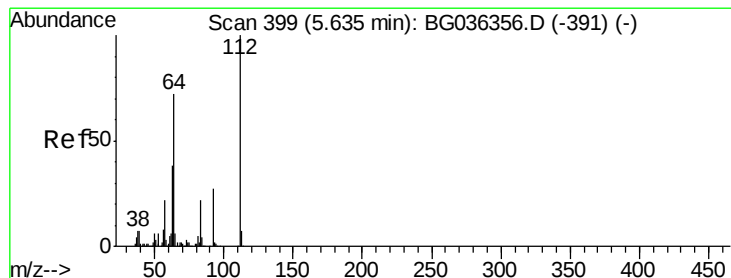
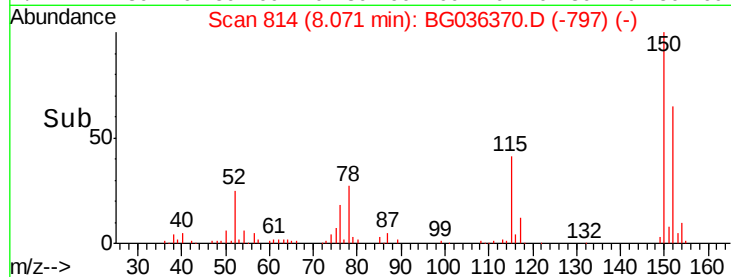
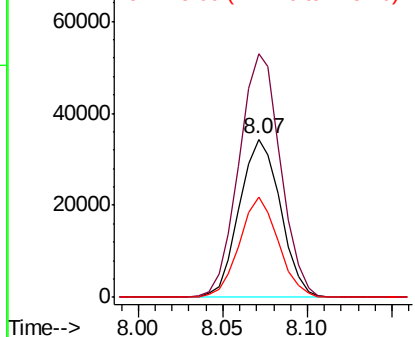
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 58010
Ion Ratio Lower Upper
152 100
150 153.7 119.5 179.3
115 63.5 44.5 66.7



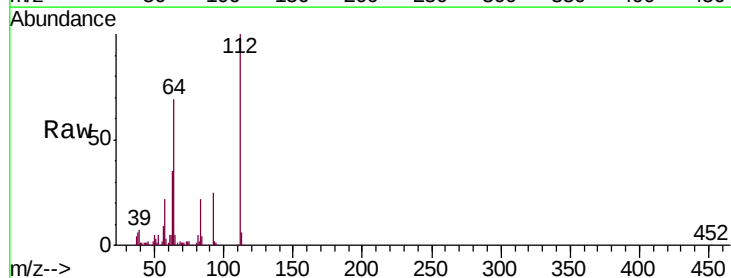
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



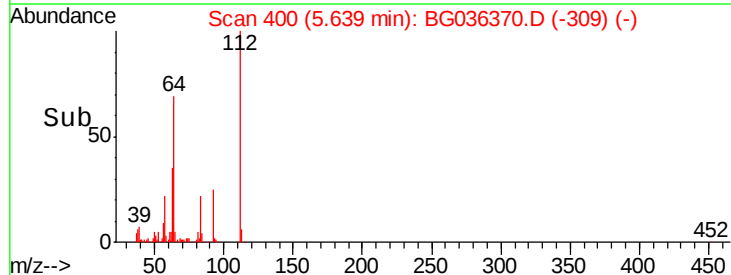
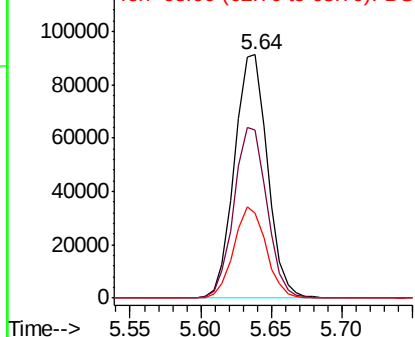
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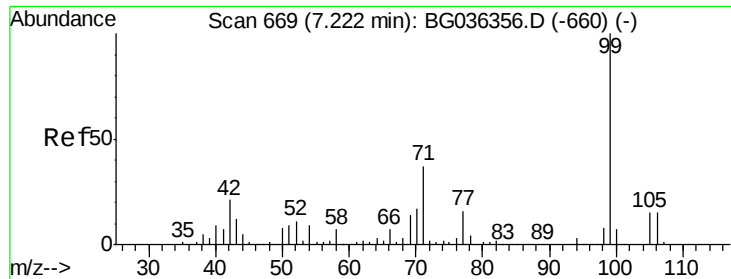
2-Fluorophenol
Concen: 40.786 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Tgt Ion:112 Resp: 149152
Ion Ratio Lower Upper
112 100
64 69.1 57.2 85.8
63 34.8 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: 24.428 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

Instrument :

BNA_G

ClientSampleId :

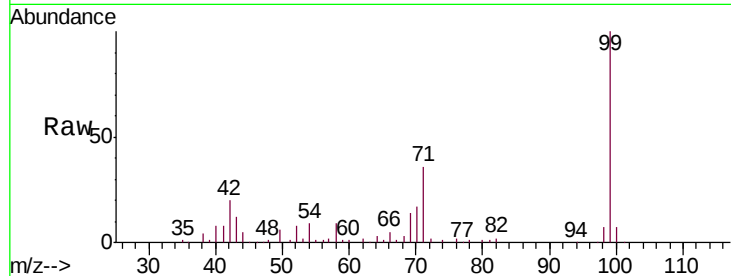
Tgt Ion: 99 Resp: 127899

Ion Ratio Lower Upper

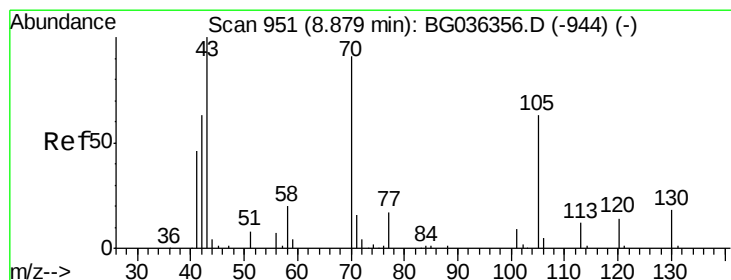
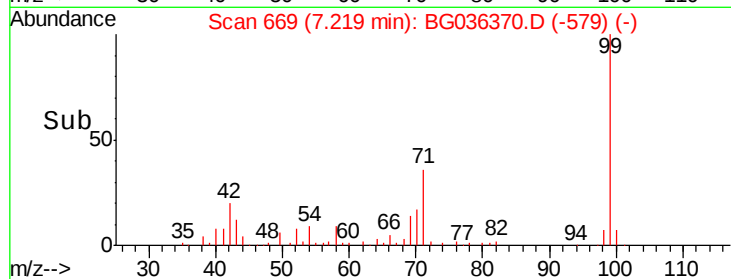
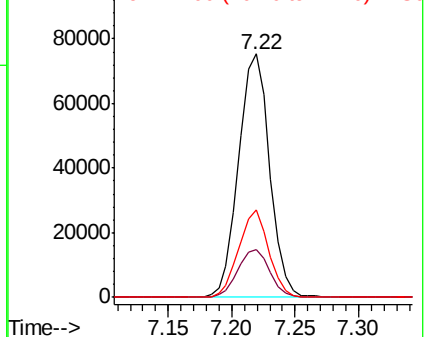
99 100

42 19.5 16.5 24.7

71 35.7 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: 15.951 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.36 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

Tgt Ion: 70 Resp: 62419

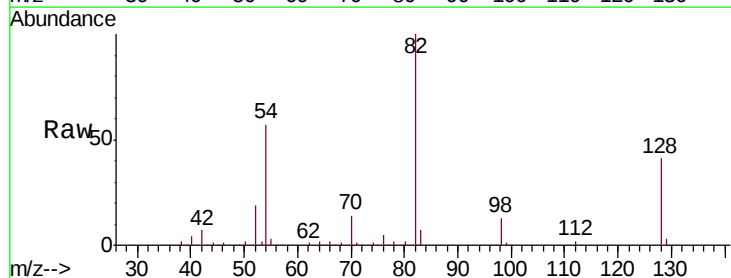
Ion Ratio Lower Upper

70 100

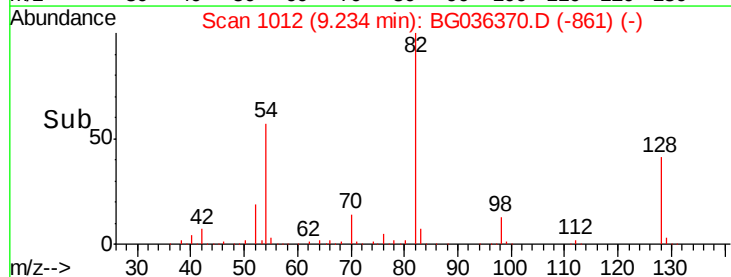
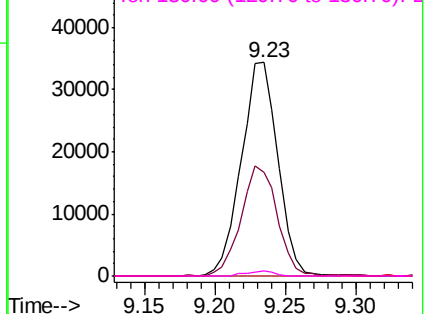
42 48.5 56.2 84.4#

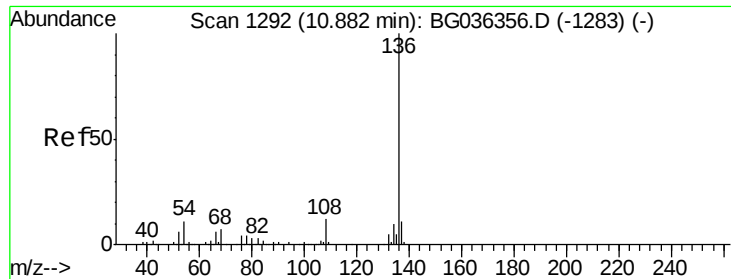
101 0.0 7.8 11.6#

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

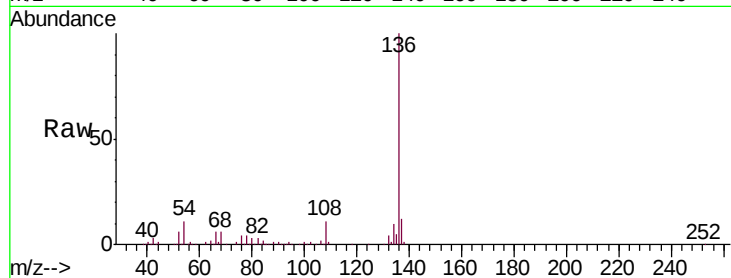




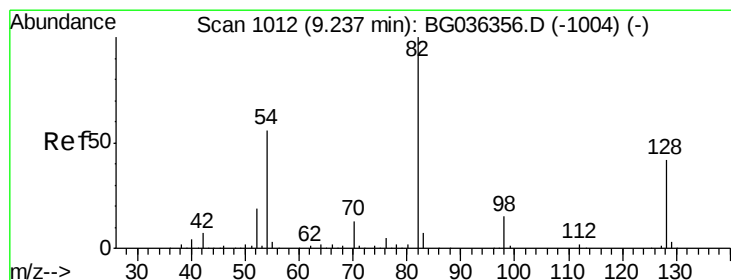
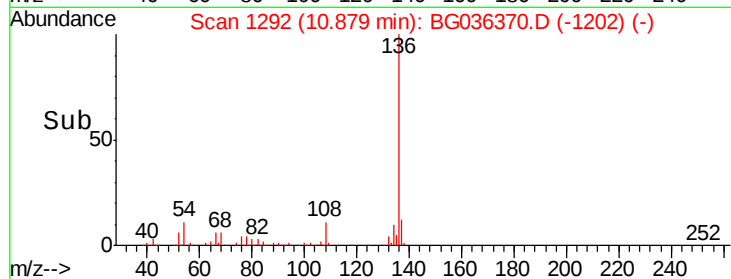
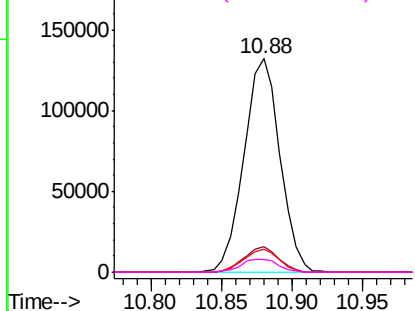
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	235940
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	10.9	9.2	13.8
68	6.2	5.8	8.6

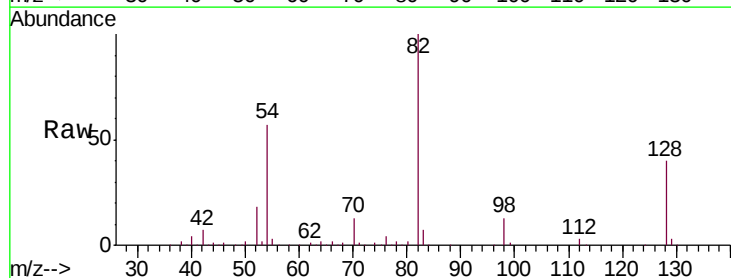


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

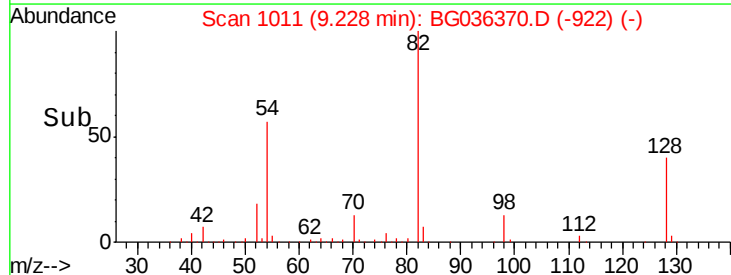
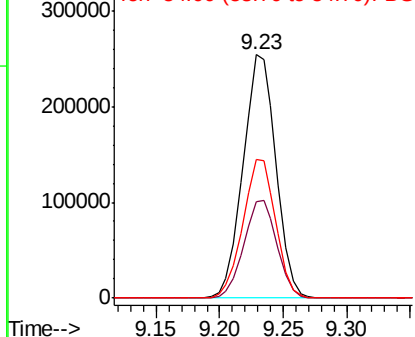


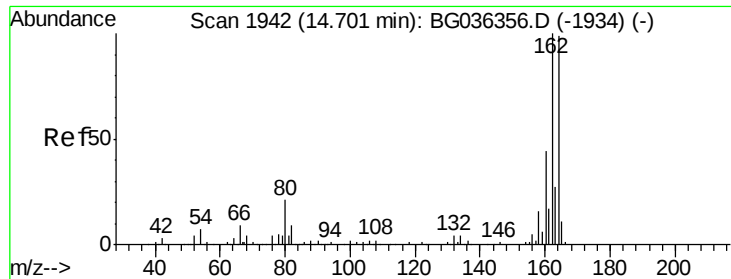
#23
Nitrobenzene-d5
Concen: 104.942 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Tgt Ion:	82	Resp:	456348
Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.3	49.9
54	57.1	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

Instrument :

BNA_G

ClientSampleId :

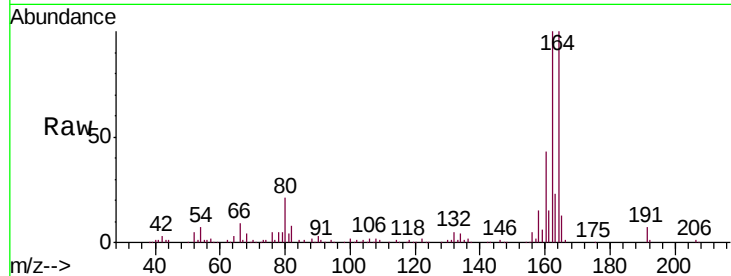
Tgt Ion:164 Resp: 151461

Ion Ratio Lower Upper

164 100

162 100.0 80.7 121.1

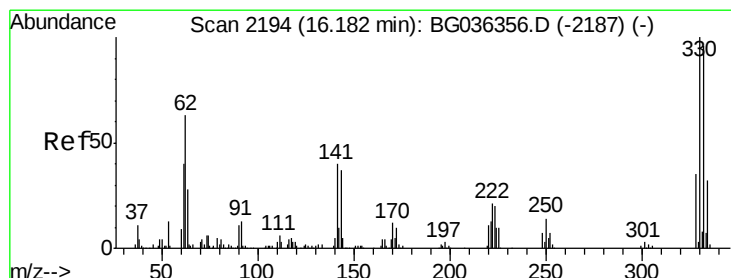
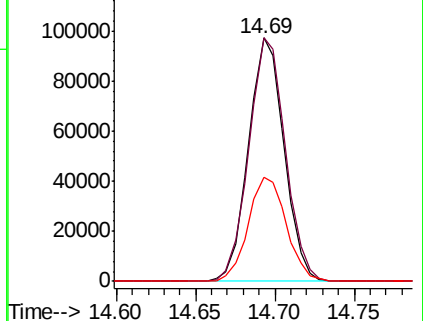
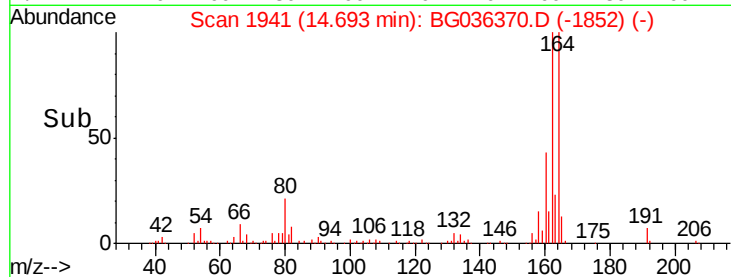
160 42.9 35.3 52.9



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: 101.164 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

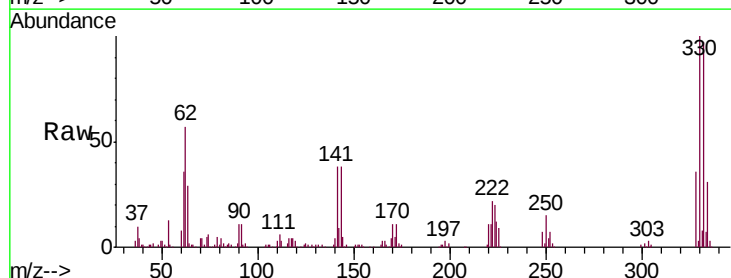
Tgt Ion:330 Resp: 182831

Ion Ratio Lower Upper

330 100

332 96.6 75.4 113.2

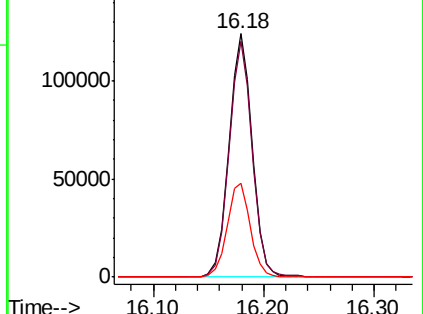
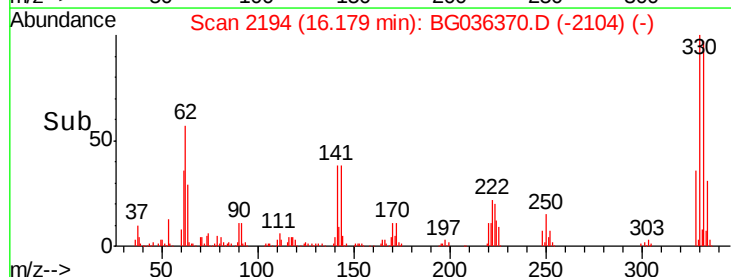
141 38.6 30.7 46.1

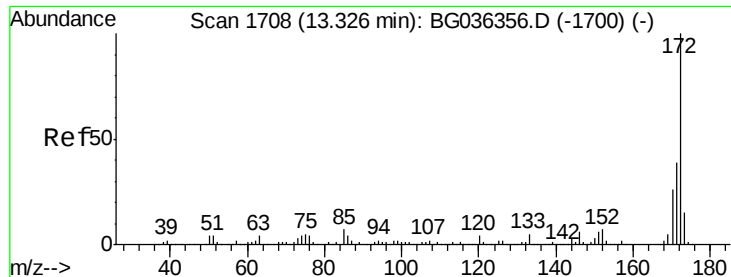


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

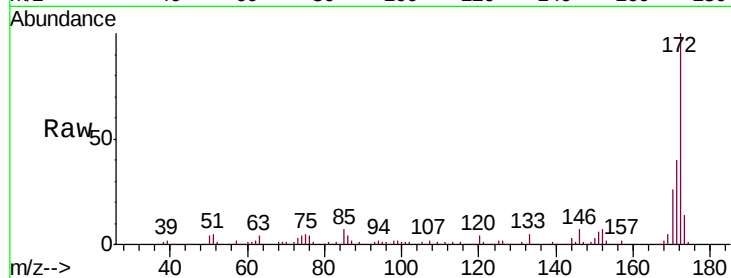




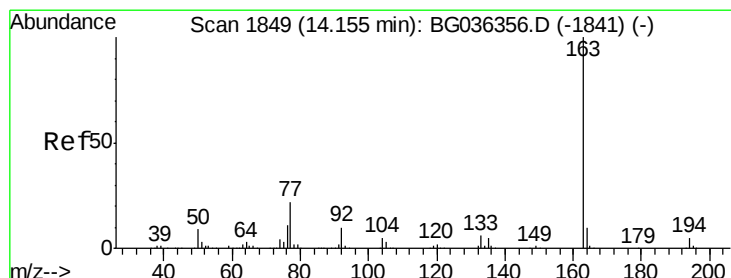
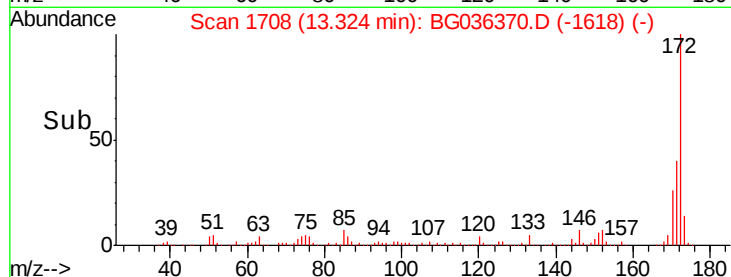
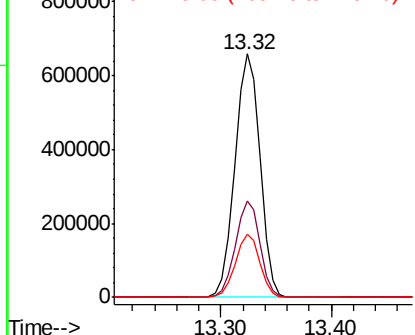
#44
 2-Fluorobiphenyl
 Concen: 98.949 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036370.D
 Acq: 23 Aug 2018 8:57

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:172 Resp: 1049635
 Ion Ratio Lower Upper
 172 100
 171 39.5 31.3 46.9
 170 26.0 21.0 31.6

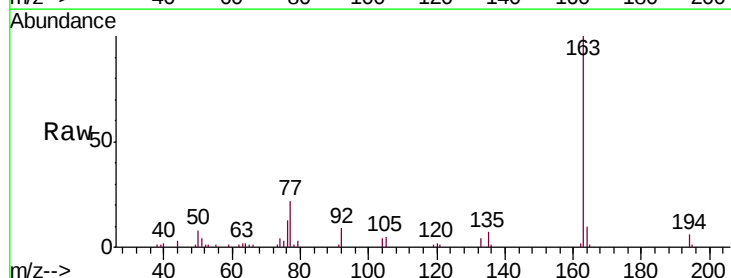


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

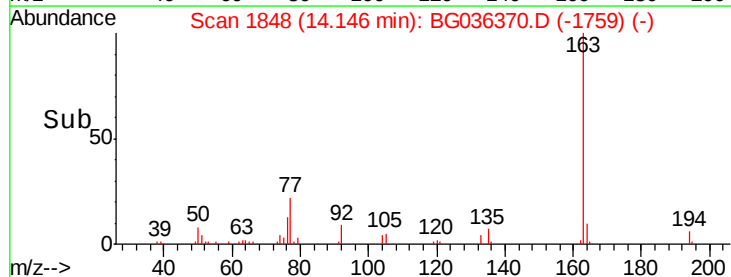
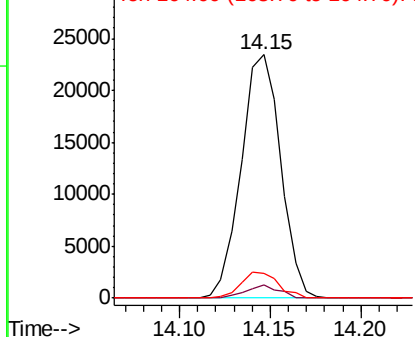


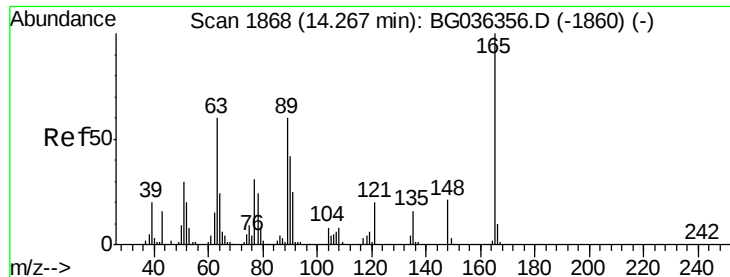
#49
 Dimethylphthalate
 Concen: 2.869 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BG036370.D
 Acq: 23 Aug 2018 8:57

Tgt Ion:163 Resp: 35479
 Ion Ratio Lower Upper
 163 100
 194 5.7 4.0 6.0
 164 10.3 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

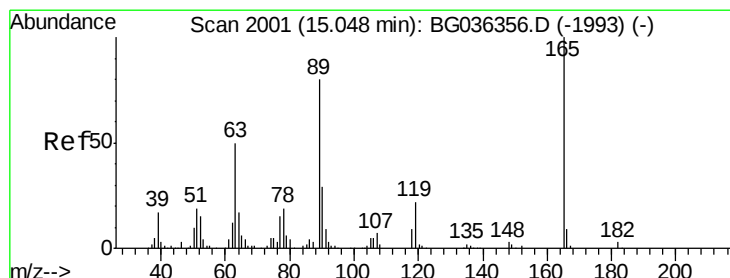
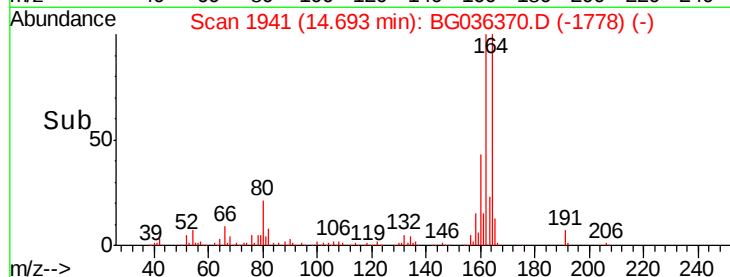
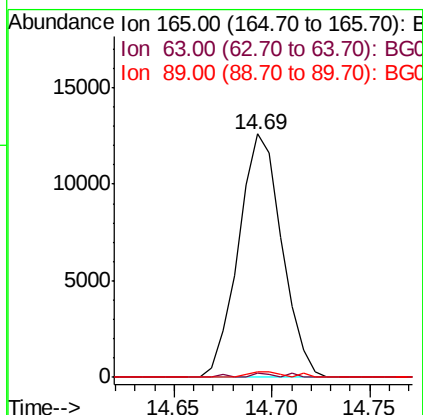
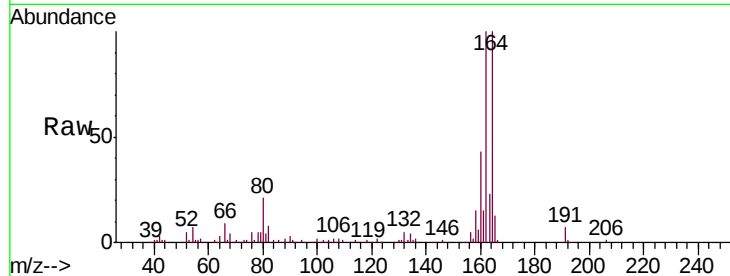




#50
2,6-Dinitrotoluene
Concen: 7.617 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.43 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

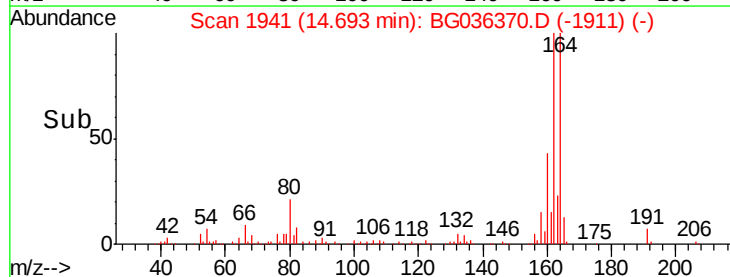
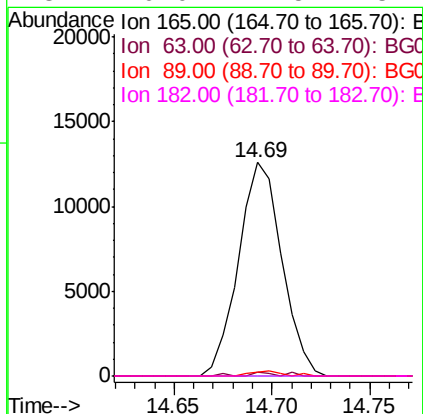
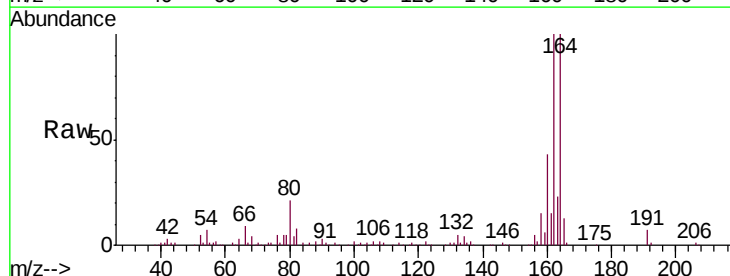
Instrument :
BNA_G
ClientSampleId :

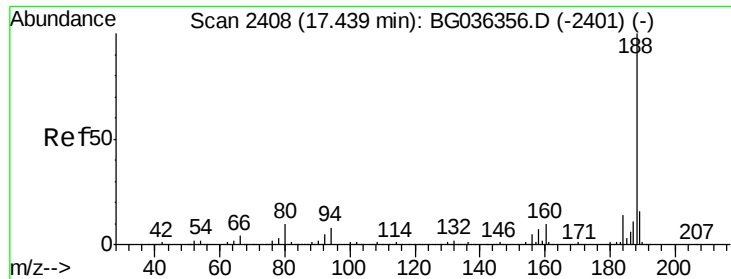
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	50.1	75.1#
89	2.1	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.845 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.35 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.1	60.1#
89	2.1	63.7	95.5#
182	0.0	2.5	3.7#

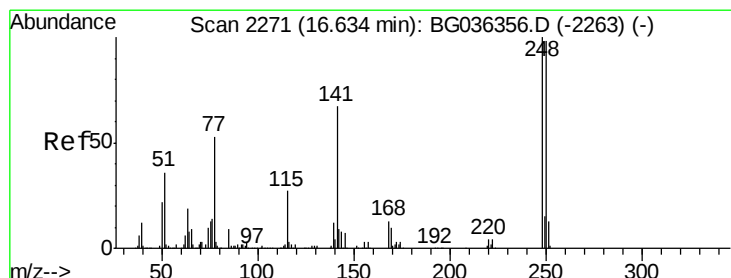
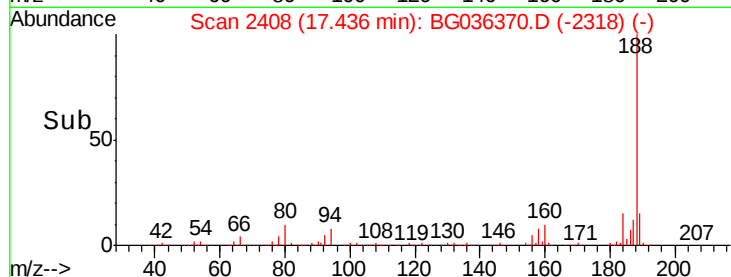
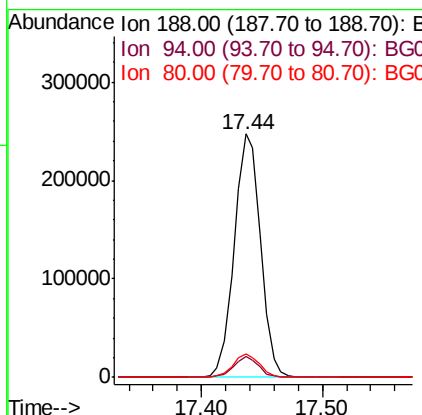
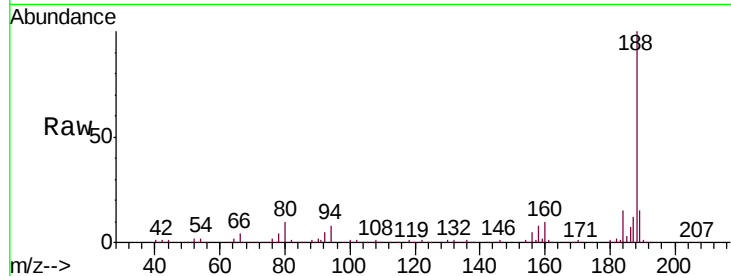




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

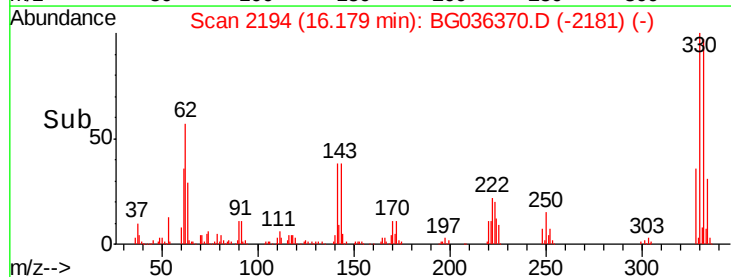
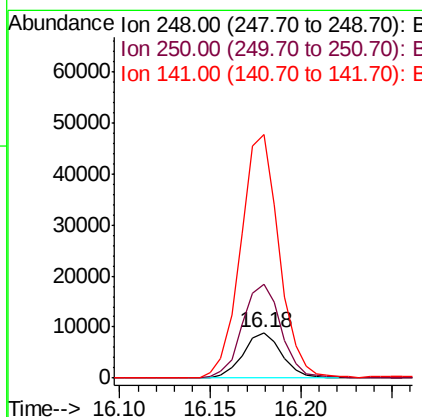
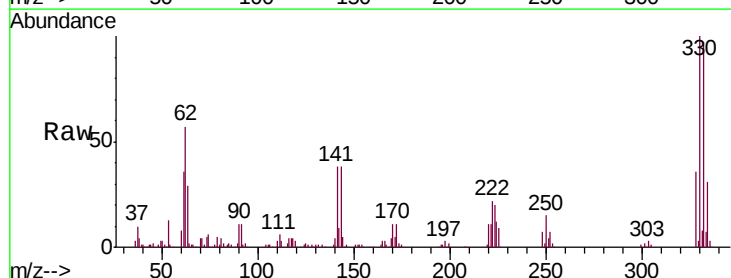
Instrument :
BNA_G
ClientSampleId :

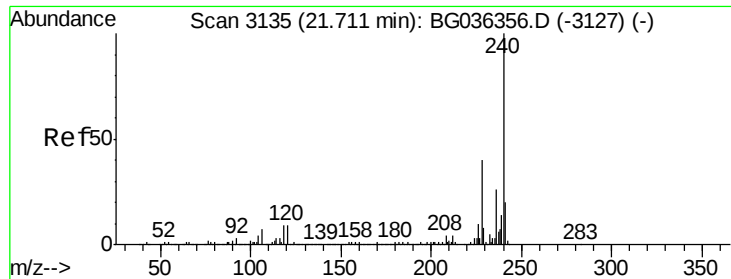
Tgt Ion:188 Resp: 373983
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.7 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.003 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.46 min
Lab File: BG036370.D
Acq: 23 Aug 2018 8:57

Tgt Ion:248 Resp: 13150
Ion Ratio Lower Upper
248 100
250 207.2 78.1 117.1#
141 534.3 53.7 80.5#

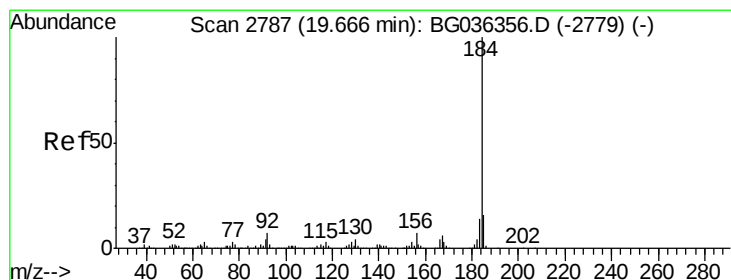
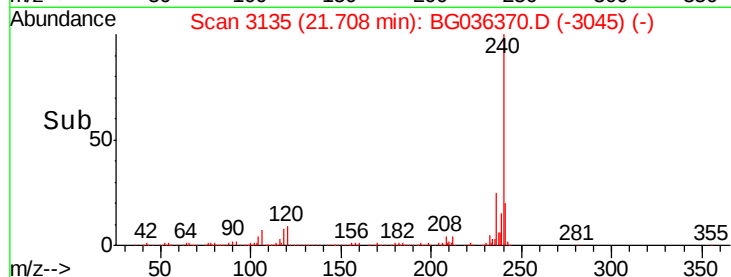
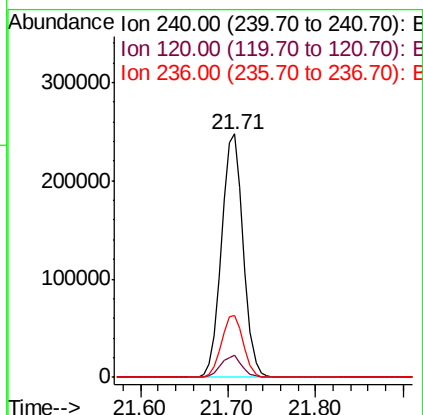
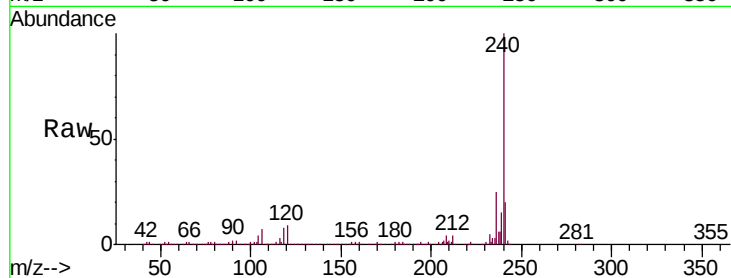




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG036370.D
 Acq: 23 Aug 2018 8:57

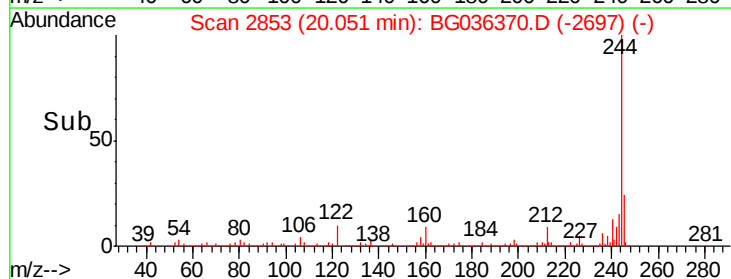
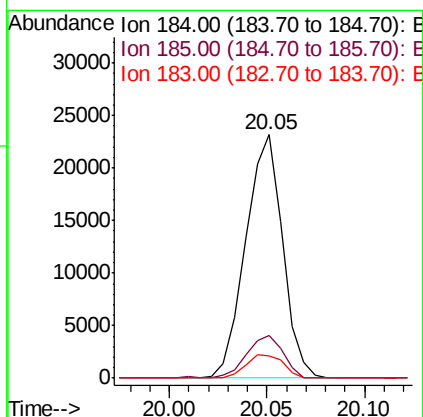
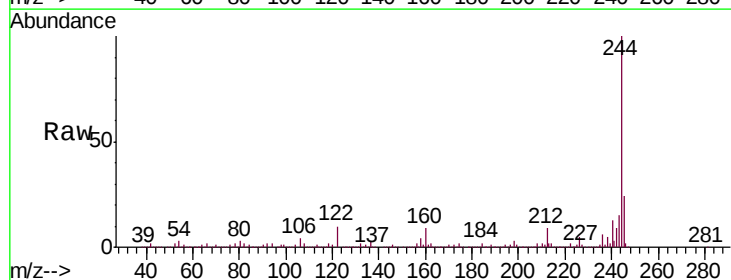
Instrument :
 BNA_G
 ClientSampleId :

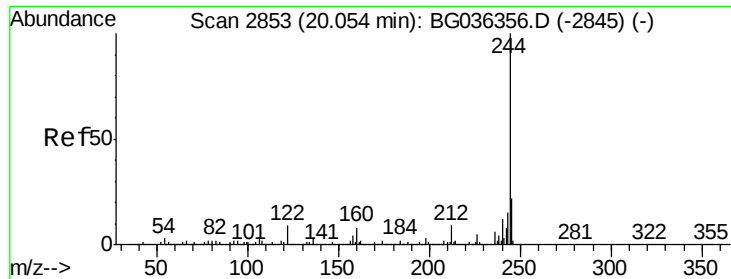
Tgt Ion:240 Resp: 423074
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.9 10.3
 236 25.3 21.2 31.8



#76
 Benzidine
 Concen: 2.243 ng
 RT: 20.05 min Scan# 2853
 Delta R.T. 0.39 min
 Lab File: BG036370.D
 Acq: 23 Aug 2018 8:57

Tgt Ion:184 Resp: 30276
 Ion Ratio Lower Upper
 184 100
 185 17.3 12.6 18.8
 183 9.1 10.9 16.3#





#78

Terphenyl-d14

Concen: 90.952 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

Instrument :

BNA_G

ClientSampleId :

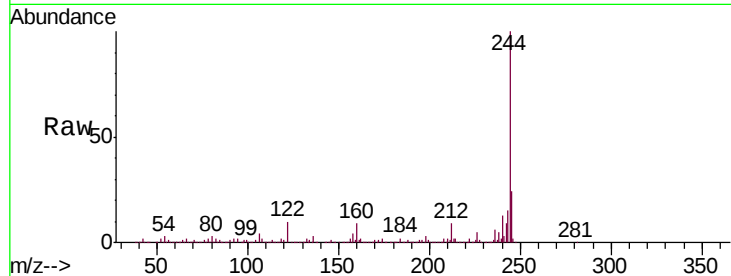
Tgt Ion:244 Resp: 1646289

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

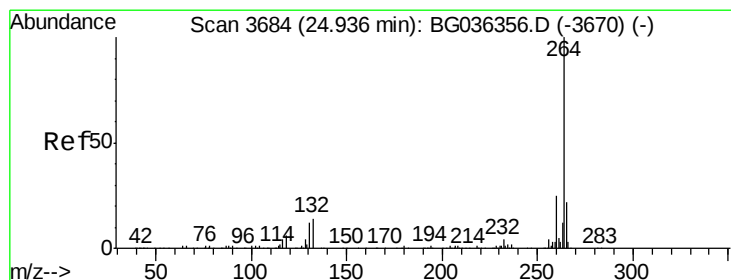
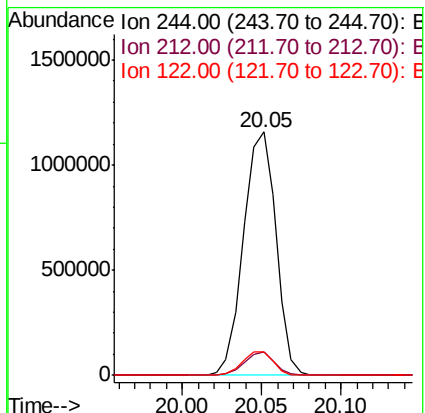
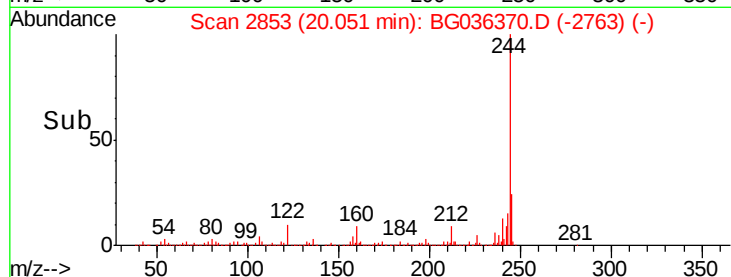
122 9.7 7.1 10.7



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: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG036370.D

Acq: 23 Aug 2018 8:57

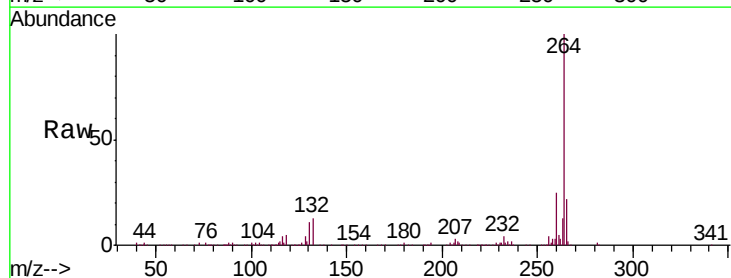
Tgt Ion:264 Resp: 428251

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 21.6 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

