

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036455.D
 Acq On : 28 Aug 2018 7:42
 Operator : JU/SJ
 Sample : J4269-04RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 09:17:47 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

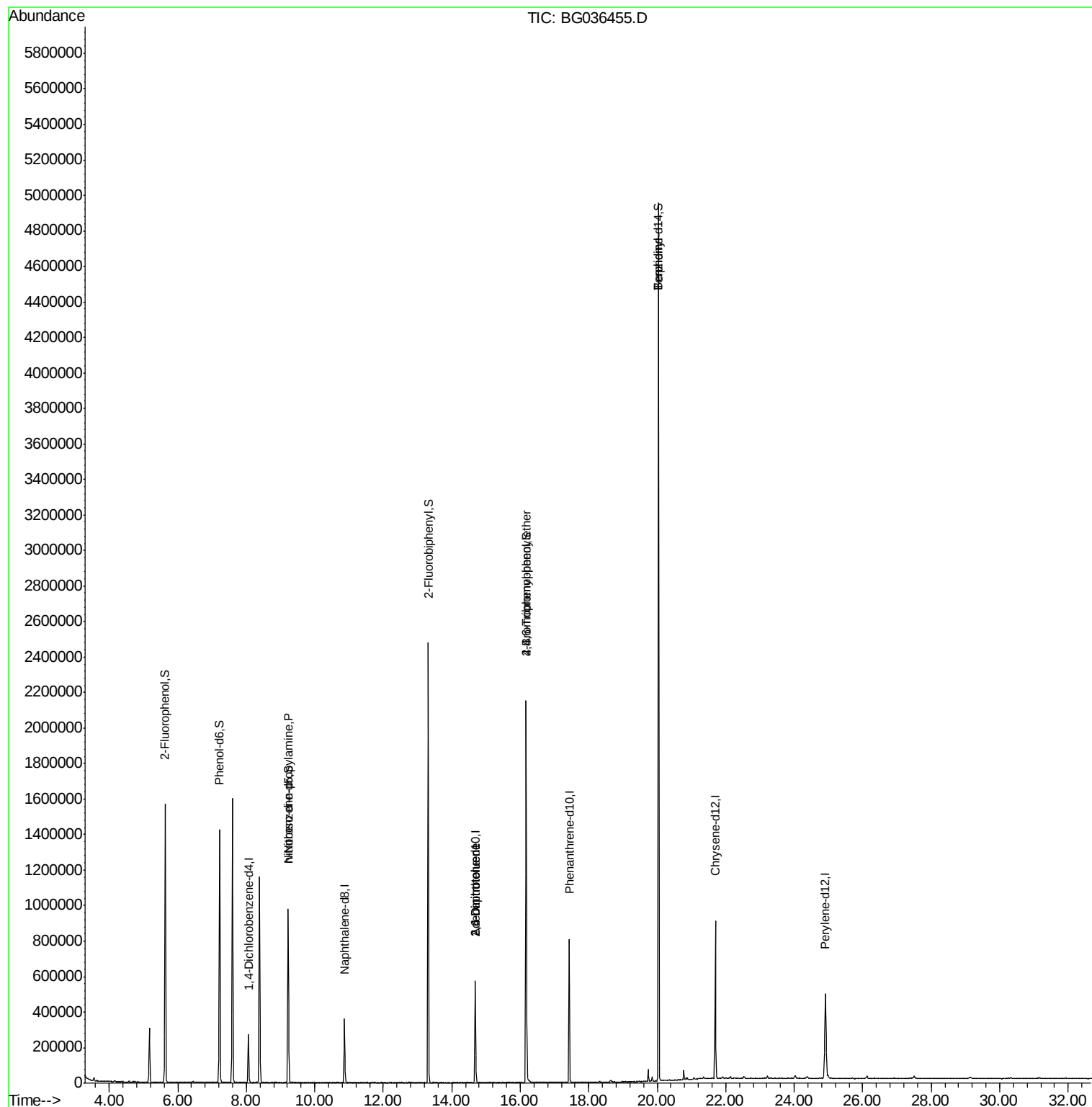
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	74214	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	304441	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	193489	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	489709	20.00	ng	0.00
75) Chrysene-d12	21.70	240	538041	20.00	ng	-0.01
86) Perylene-d12	24.91	264	532816	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	651068	139.16	ng	0.00
7) Phenol-d6	7.22	99	836305	124.85	ng	0.00
23) Nitrobenzene-d5	9.23	82	600586	107.03	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	396987	171.95	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1292306	95.36	ng	-0.01
78) Terphenyl-d14	20.04	244	2127179	92.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	82452	16.470	ng	# 69
50) 2,6-Dinitrotoluene	14.69	165	25283	7.777	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	25283	5.967	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	27833	4.854	ng	# 1
76) Benzidine	20.04	184	41661	2.427	ng	# 93

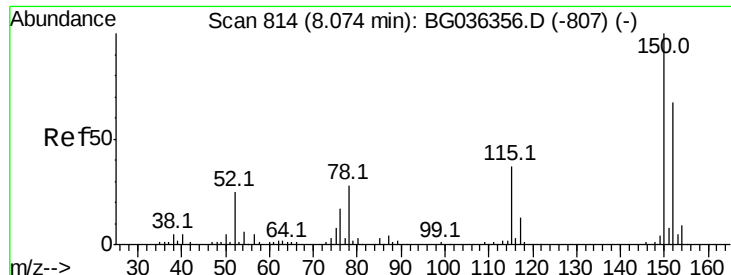
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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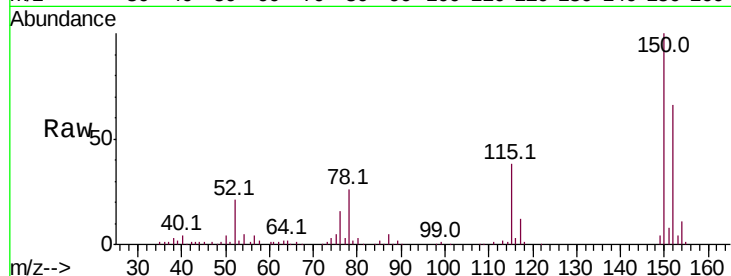


#1

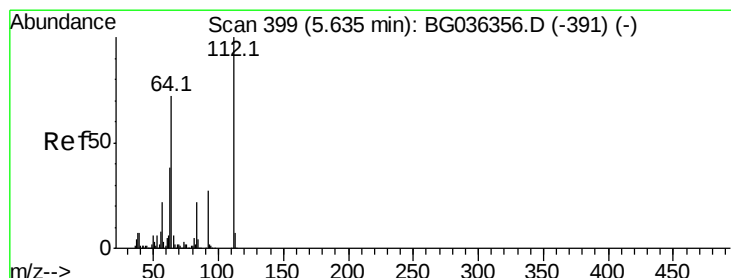
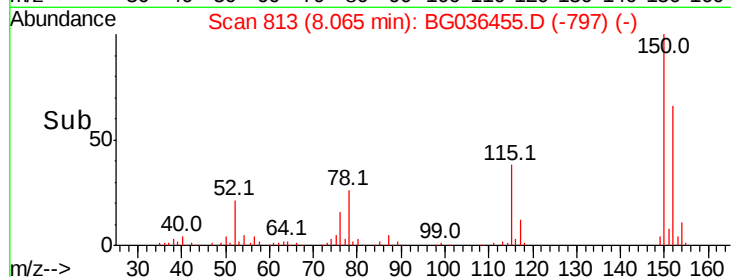
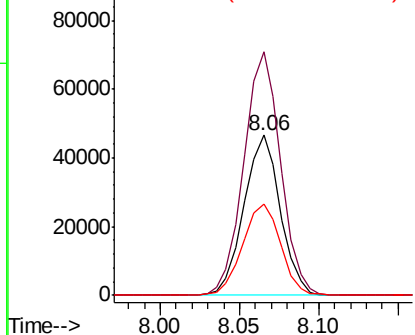
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 74214
 Ion Ratio Lower Upper
 152 100
 150 152.2 119.5 179.3
 115 57.4 44.5 66.7



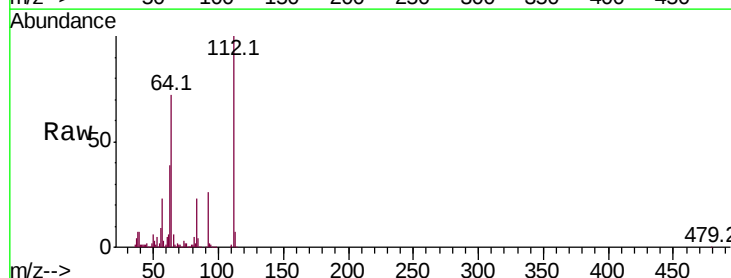
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



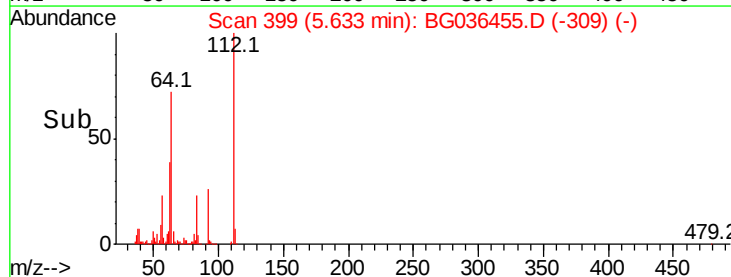
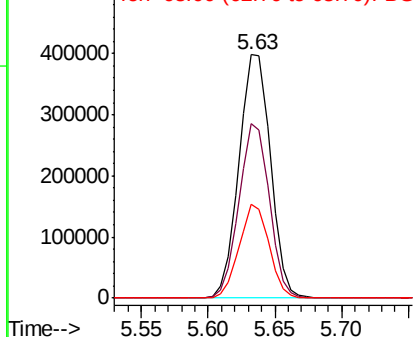
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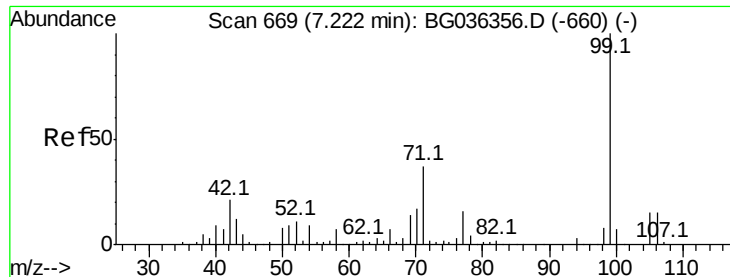
2-Fluorophenol
 Concen: 139.163 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Tgt Ion:112 Resp: 651068
 Ion Ratio Lower Upper
 112 100
 64 71.9 57.2 85.8
 63 38.7 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: 124.852 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036455.D

Acq: 28 Aug 2018 7:42

Instrument :

BNA_G

ClientSampleId :

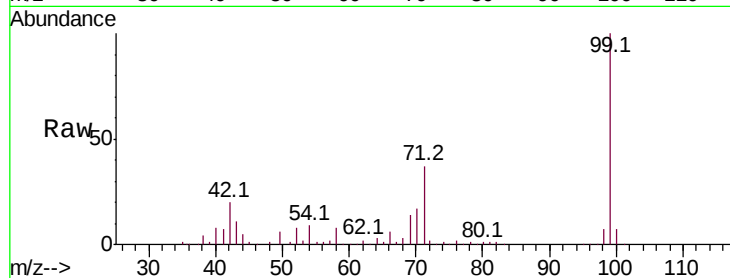
Tot Ion: 99 Resp: 836305

Ion Ratio Lower Upper

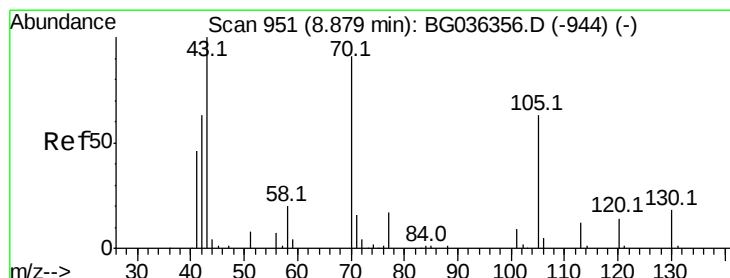
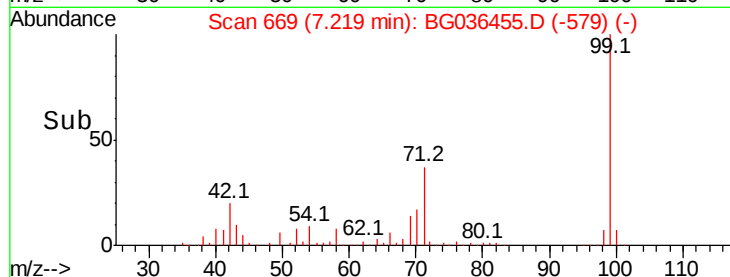
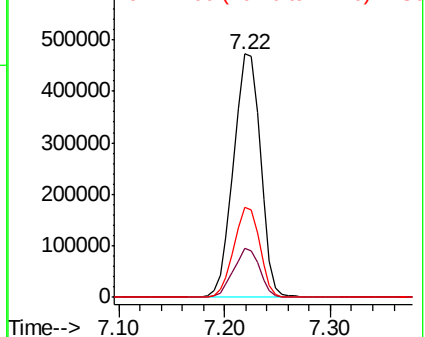
99 100

42 20.2 16.5 24.7

71 36.8 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: 16.470 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036455.D

Acq: 28 Aug 2018 7:42

Tgt Ion: 70 Resp: 82452

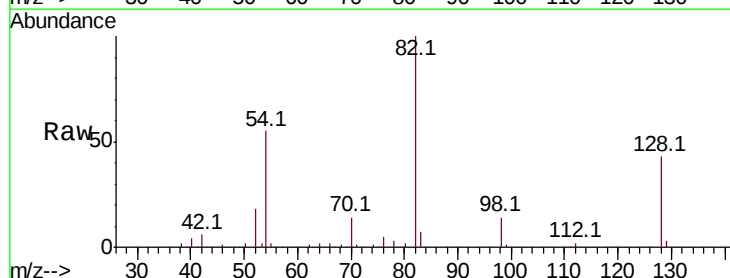
Ion Ratio Lower Upper

70 100

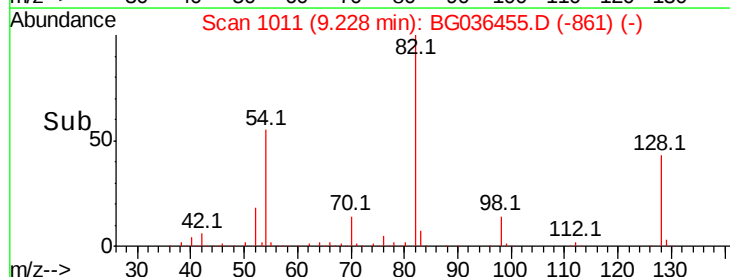
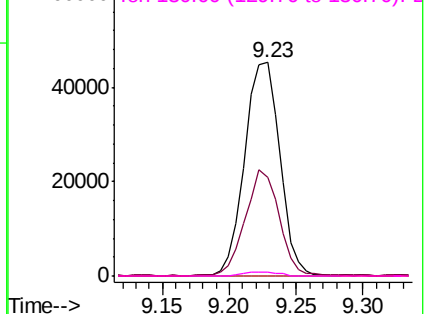
42 45.9 56.2 84.4#

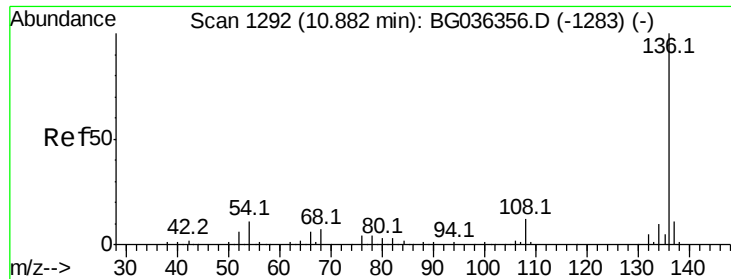
101 0.0 7.8 11.6#

130 1.6 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

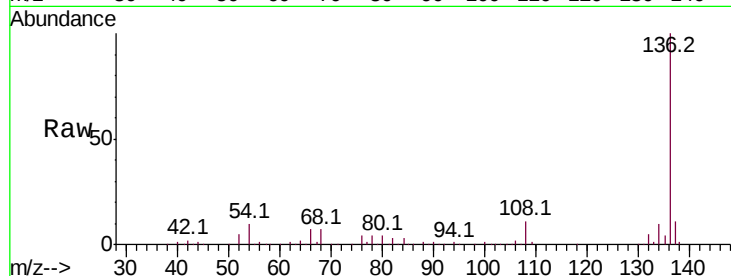




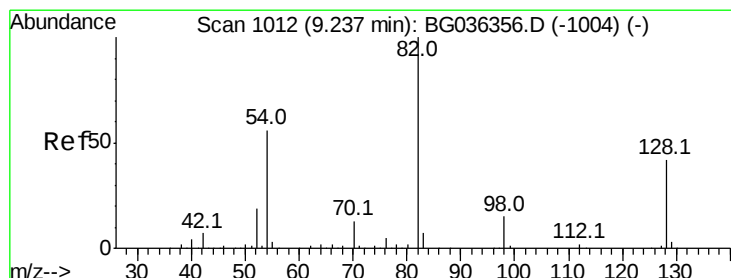
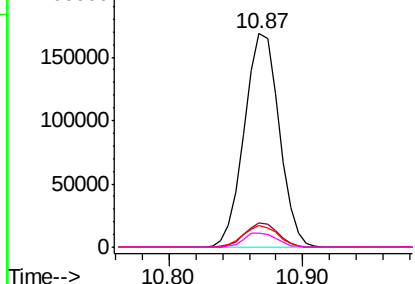
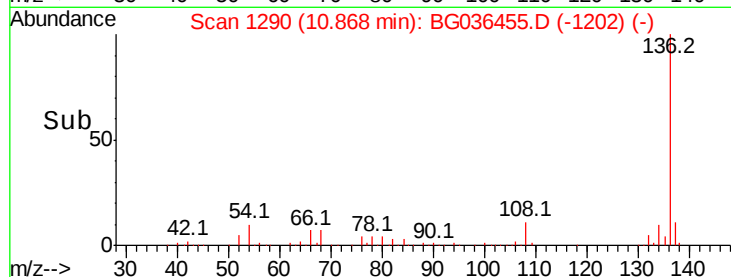
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG036455.D
Acq: 28 Aug 2018 7:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	304441
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.8 13.2
54	10.4	9.2 13.8
68	6.6	5.8 8.6

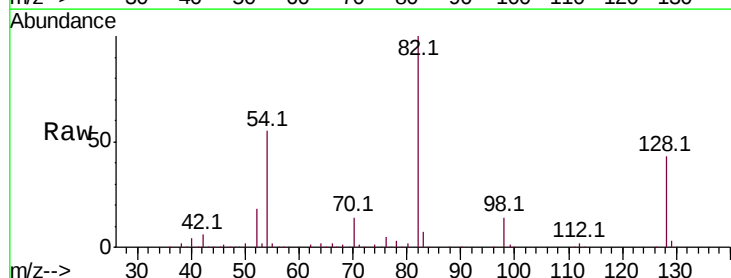


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

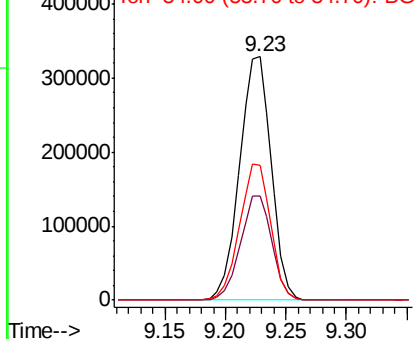
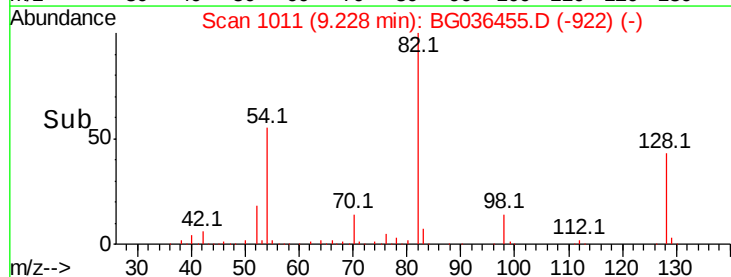


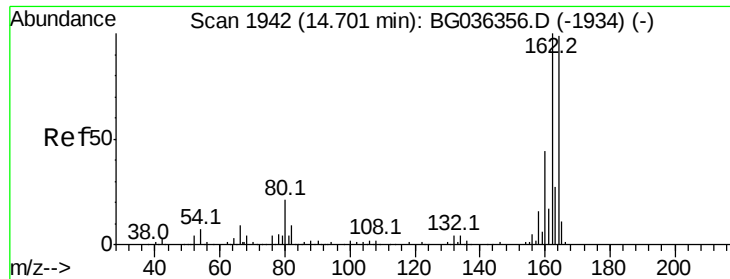
#23
Nitrobenzene-d5
Concen: 107.035 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036455.D
Acq: 28 Aug 2018 7:42

Tgt Ion: 82	Resp:	600586
Ion	Ratio	Lower Upper
82	100	
128	42.8	33.3 49.9
54	55.1	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

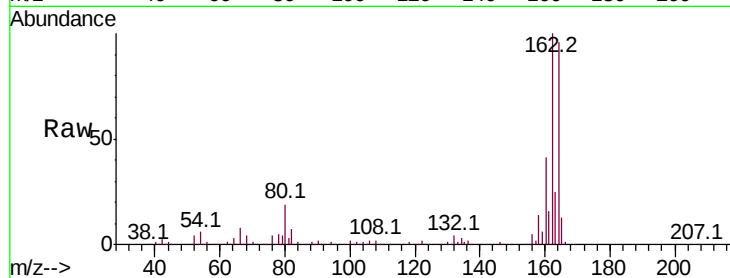




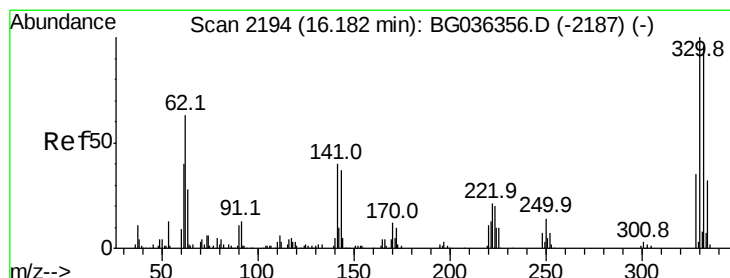
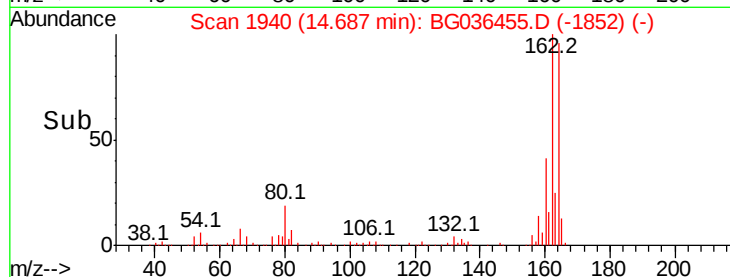
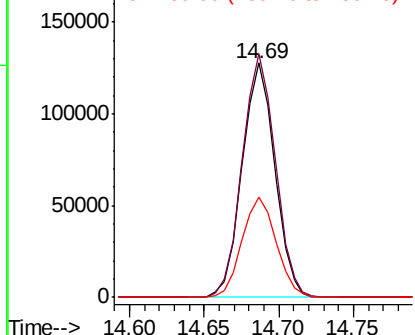
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 193489
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.7 121.1
 160 42.8 35.3 52.9

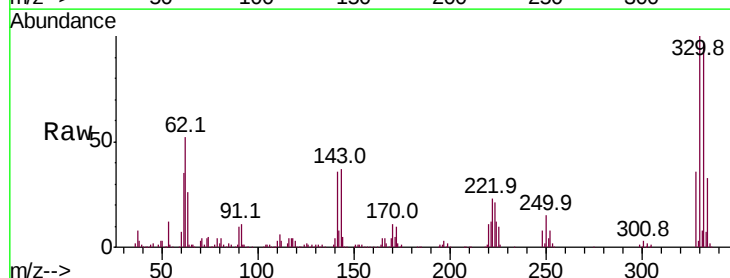


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

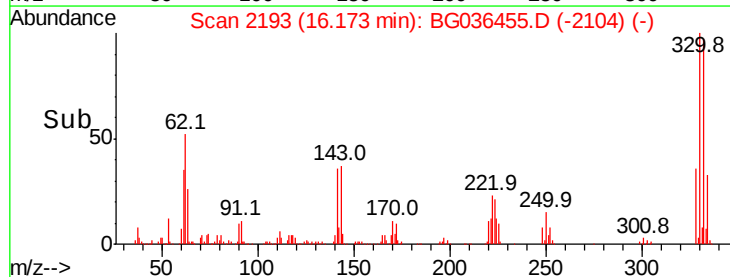
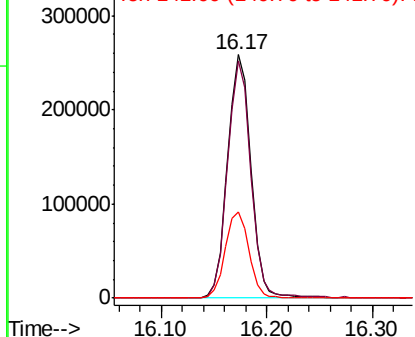


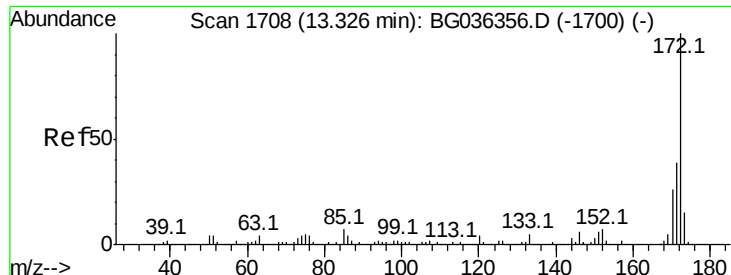
#41
 2,4,6-Tribromophenol
 Concen: 171.948 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Tgt Ion:330 Resp: 396987
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.4 113.2
 141 35.9 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



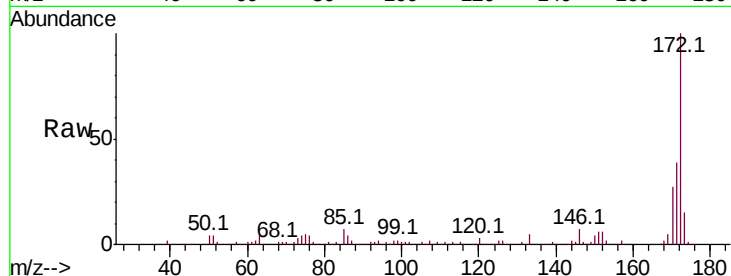


#44
 2-Fluorobiphenyl
 Concen: 95.363 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

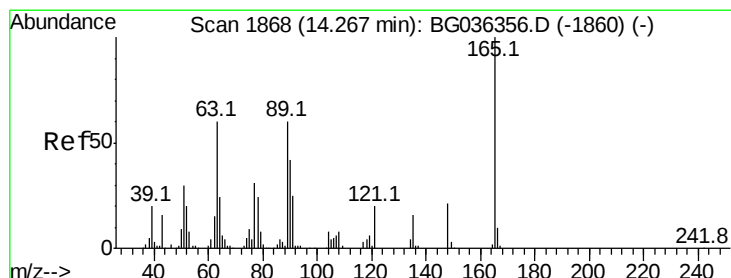
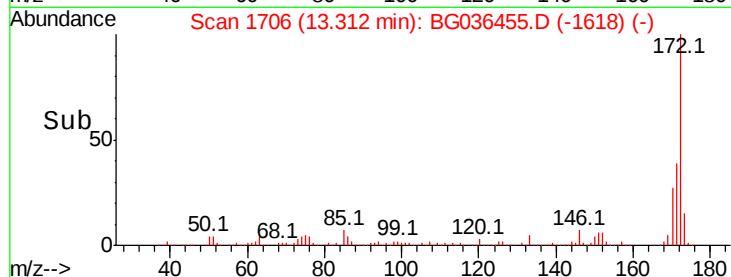
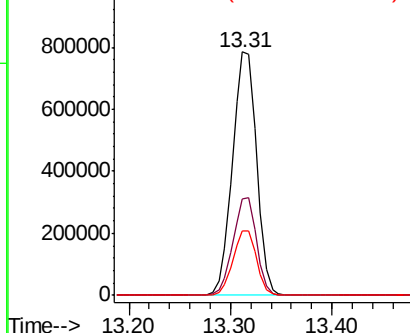
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1292306

Ion	Ratio	Lower	Upper
172	100		
171	39.4	31.3	46.9
170	26.6	21.0	31.6



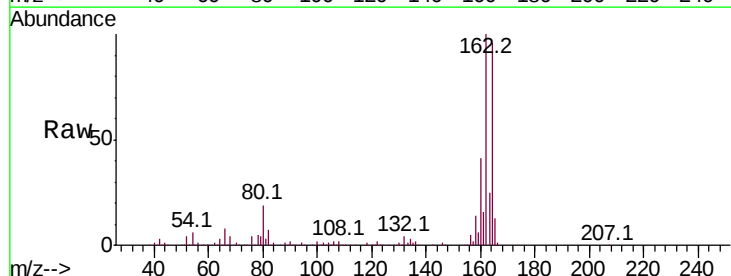
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



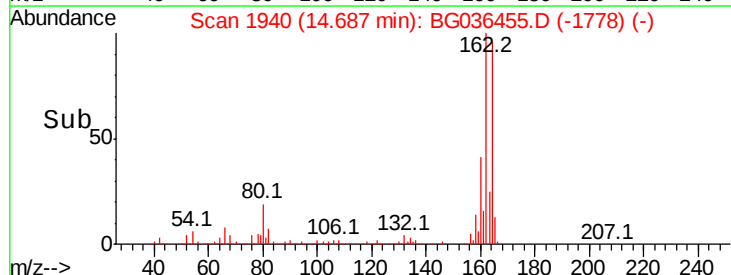
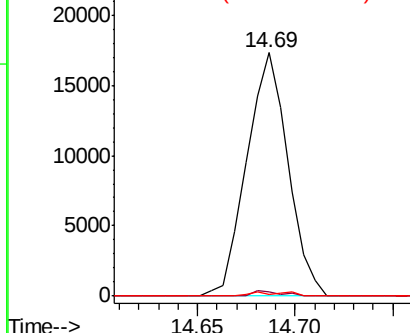
#50
 2,6-Dinitrotoluene
 Concen: 7.777 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

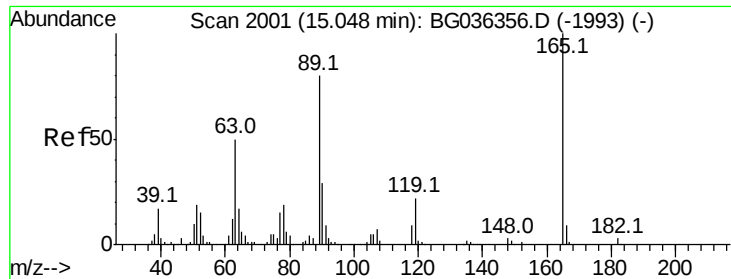
Tgt Ion:165 Resp: 25283

Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.1	75.1#
89	0.9	47.8	71.6#



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

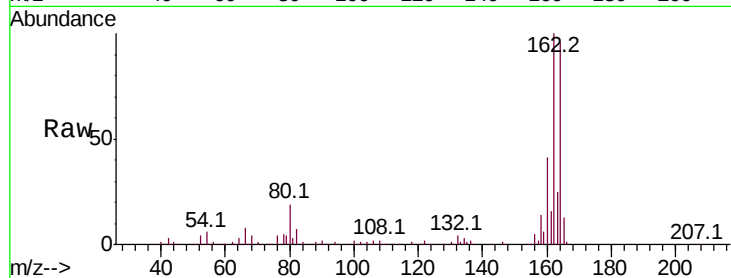




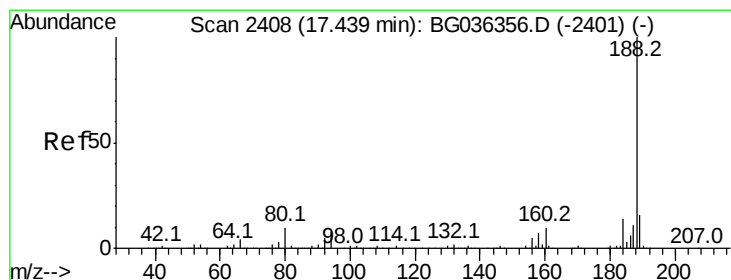
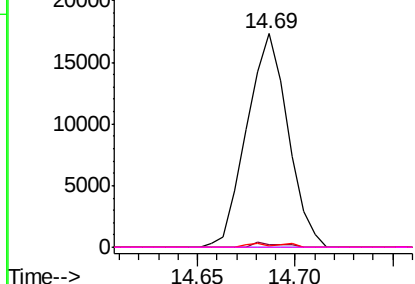
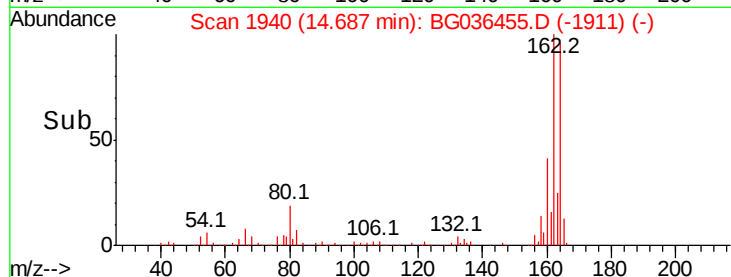
#56
 2,4-Dinitrotoluene
 Concen: 5.967 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 25283
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.1 60.1#
 89 0.9 63.7 95.5#
 182 0.0 2.5 3.7#

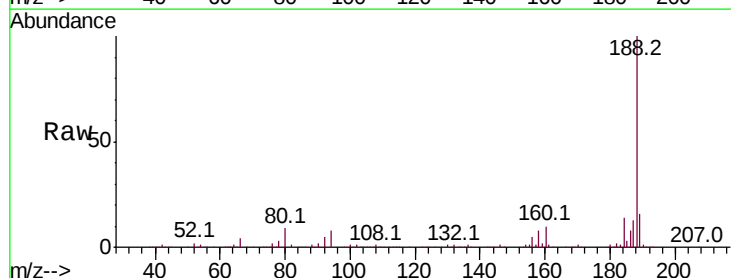


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

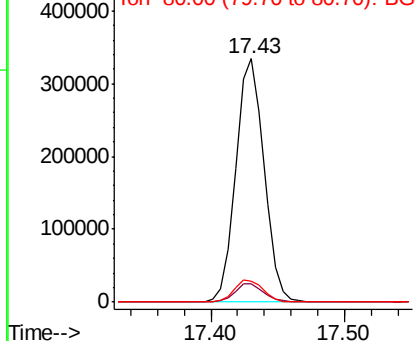
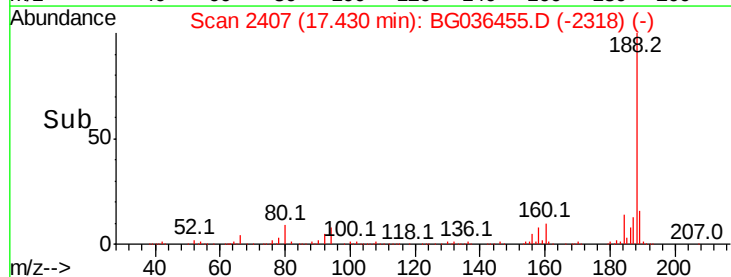


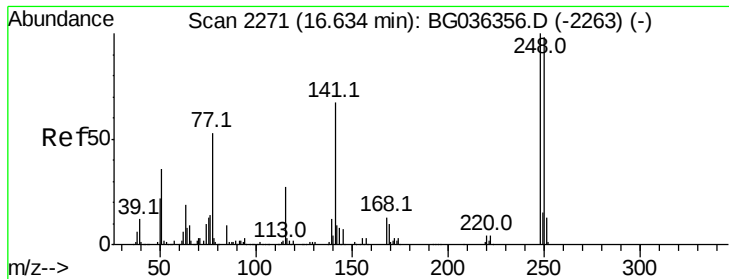
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Tgt Ion:188 Resp: 489709
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.7 10.1
 80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

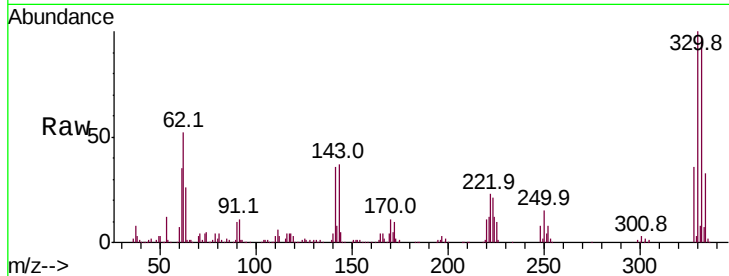




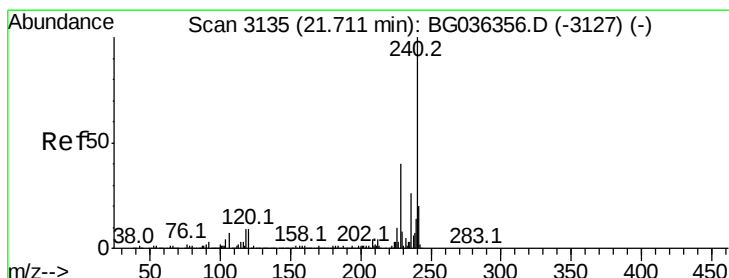
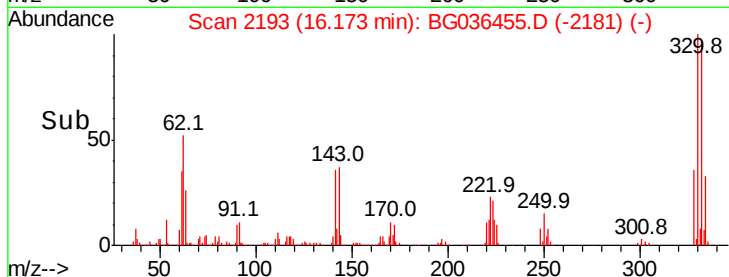
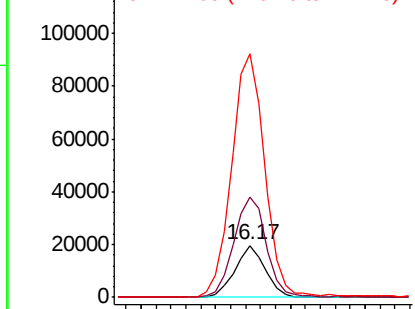
#66
 4-Bromophenyl-phenylether
 Concen: 4.854 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 27833
 Ion Ratio Lower Upper
 248 100
 250 193.2 78.1 117.1#
 141 466.6 53.7 80.5#

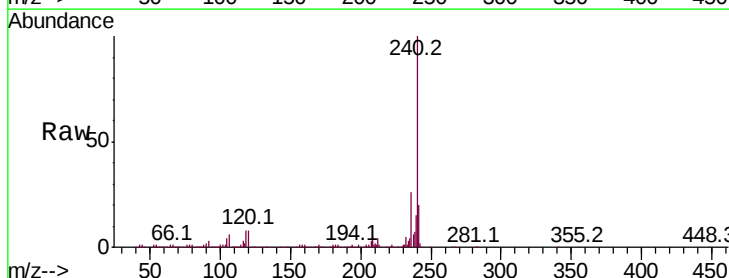


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

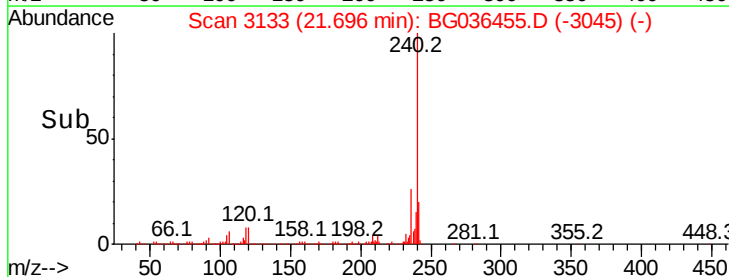
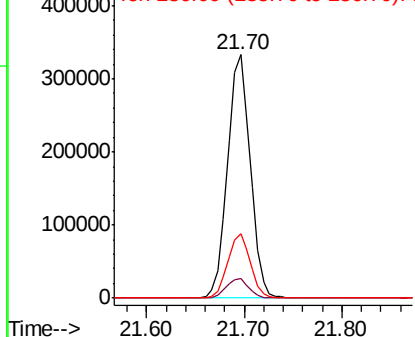


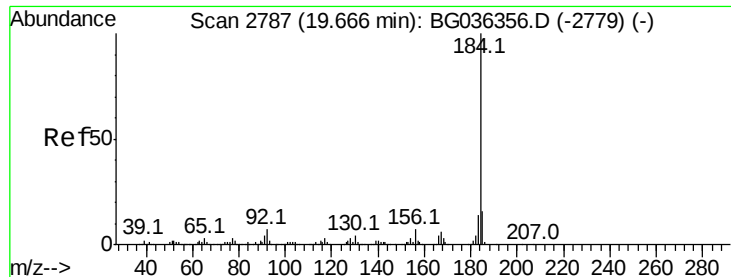
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Tgt Ion:240 Resp: 538041
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.9 10.3
 236 26.2 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: 2.427 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG036455.D

Acq: 28 Aug 2018 7:42

Instrument :

BNA_G

ClientSampleId :

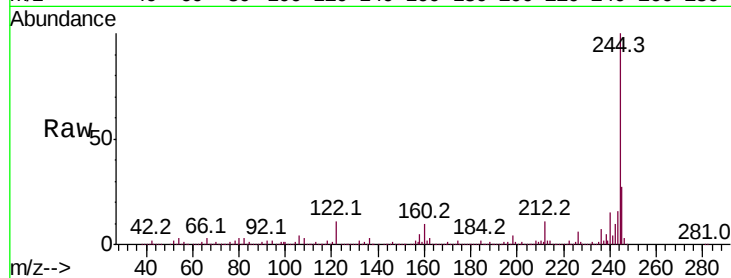
Tot Ion:184 Resp: 41661

Ion Ratio Lower Upper

184 100

185 17.5 12.6 18.8

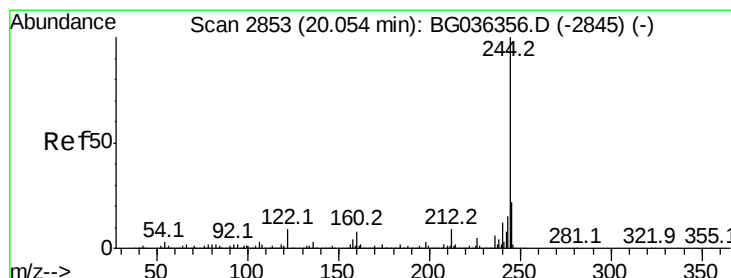
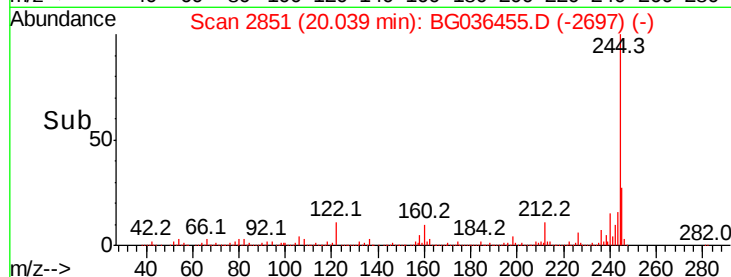
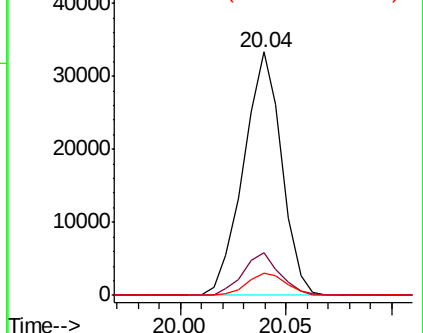
183 9.3 10.9 16.3#



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: 92.408 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG036455.D

Acq: 28 Aug 2018 7:42

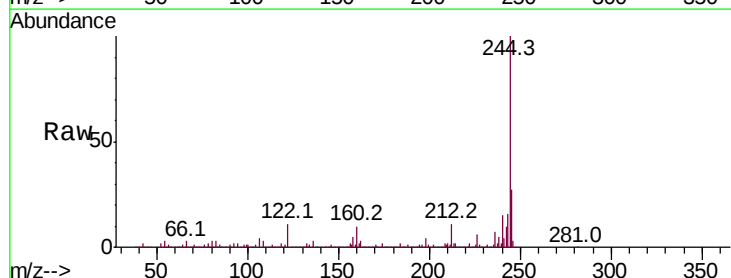
Tgt Ion:244 Resp: 2127179

Ion Ratio Lower Upper

244 100

212 10.6 7.0 10.6#

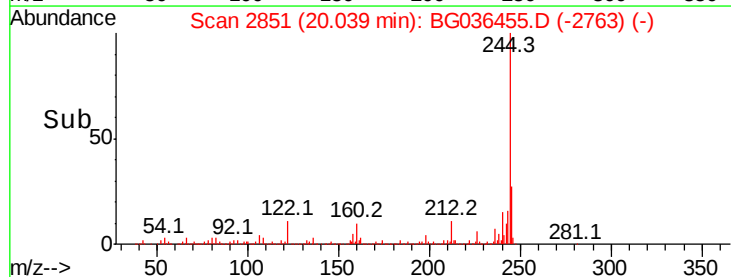
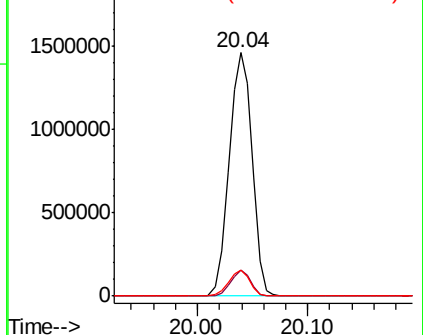
122 10.8 7.1 10.7#

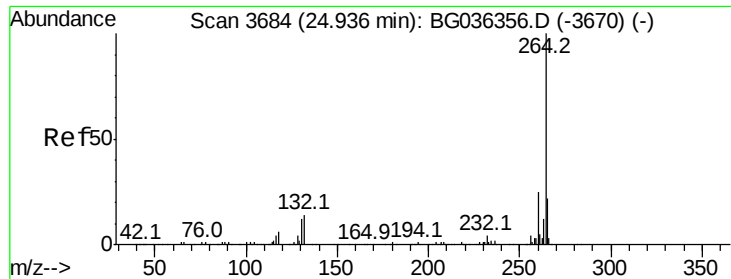


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3680
 Delta R.T. -0.03 min
 Lab File: BG036455.D
 Acq: 28 Aug 2018 7:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	23.2	17.4	26.0

