

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036393.D
 Acq On : 24 Aug 2018 1:24
 Operator : JU/SJ
 Sample : J4278-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 03:35:25 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

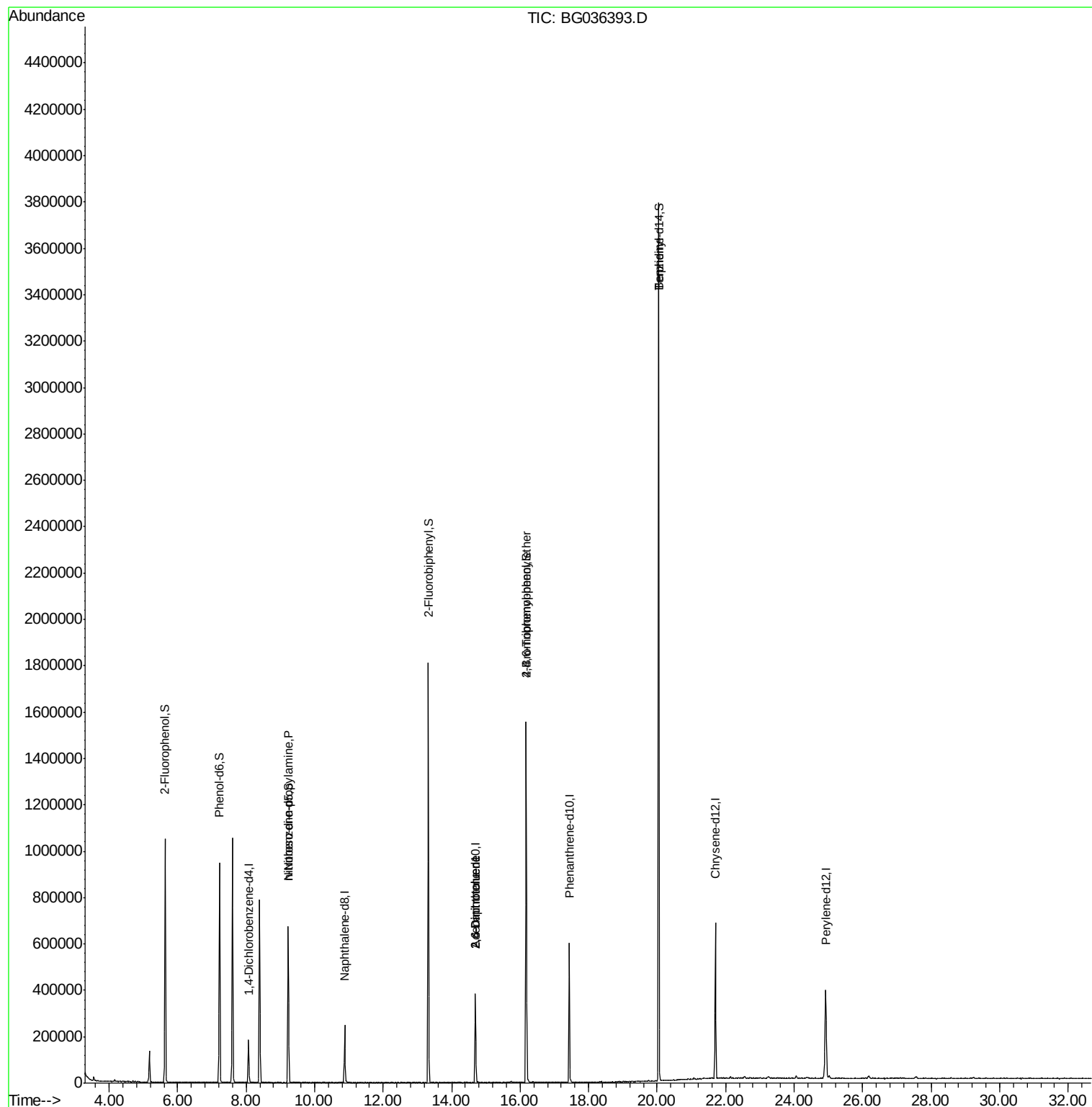
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	50252	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	204731	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	134973	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	369215	20.00	ng	0.00
75) Chrysene-d12	21.70	240	411884	20.00	ng	-0.01
86) Perylene-d12	24.92	264	414900	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	416768	131.56	ng	0.00
7) Phenol-d6	7.22	99	529391	116.72	ng	0.00
23) Nitrobenzene-d5	9.23	82	400105	106.03	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	278562	172.96	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	902208	95.44	ng	0.00
78) Terphenyl-d14	20.05	244	1729729	98.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	53938	15.912	ng	# 71
50) 2,6-Dinitrotoluene	14.69	165	17154	7.564	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	17154	5.804	ng	# 19
66) 4-Bromophenyl-phenylether	16.18	248	20463	4.734	ng	# 1
76) Benzidine	20.05	184	31591	2.404	ng	# 92

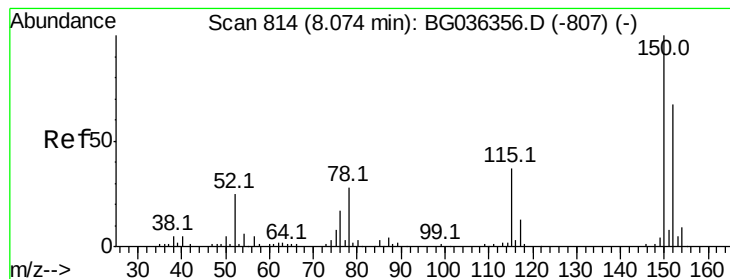
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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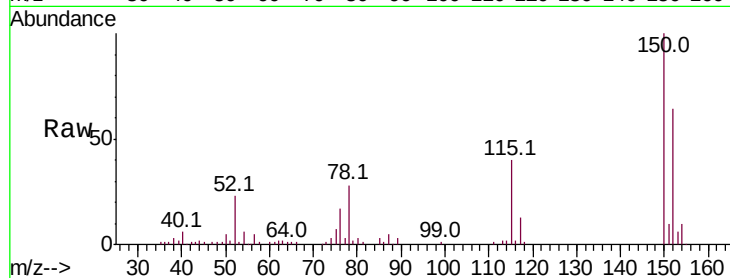


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	119.5	179.3
115	61.8	44.5	66.7

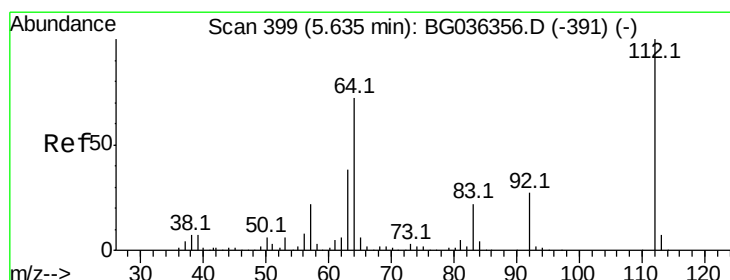
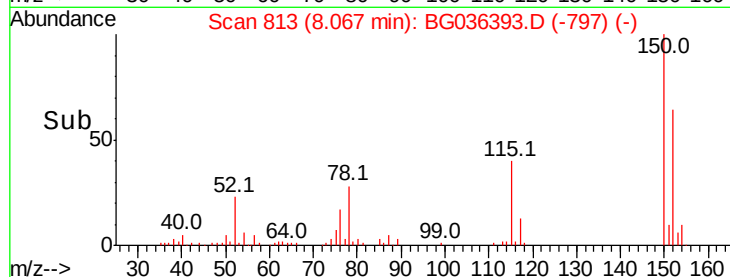
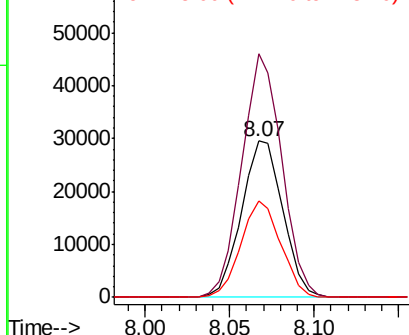


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

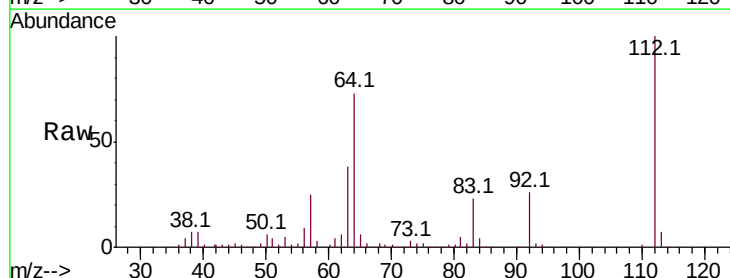
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 131.560 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	57.2	85.8
63	37.8	30.8	46.2

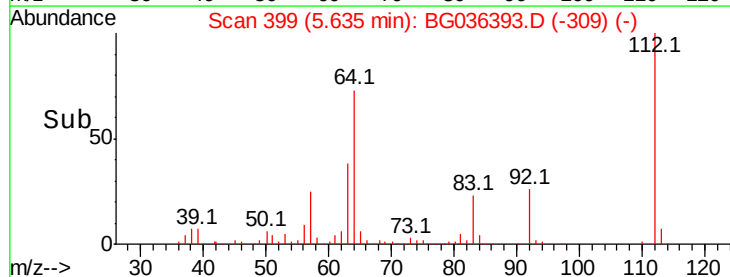
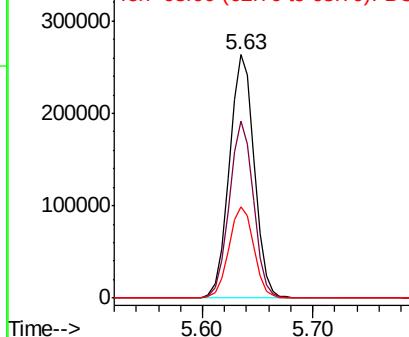


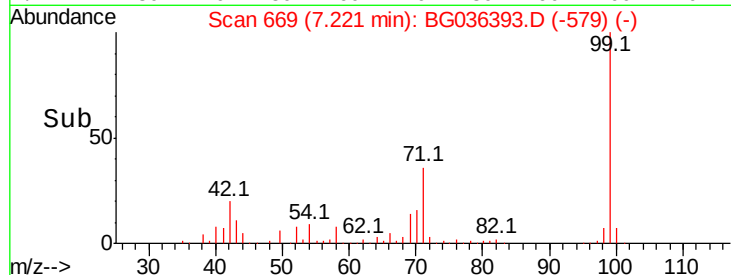
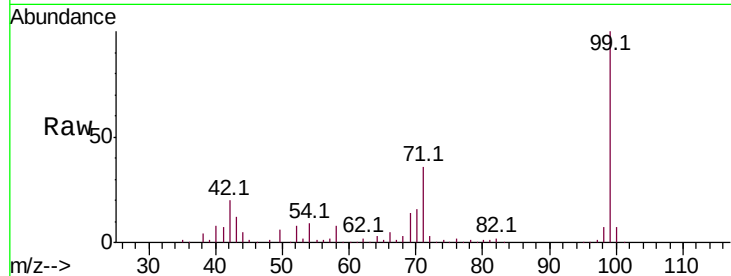
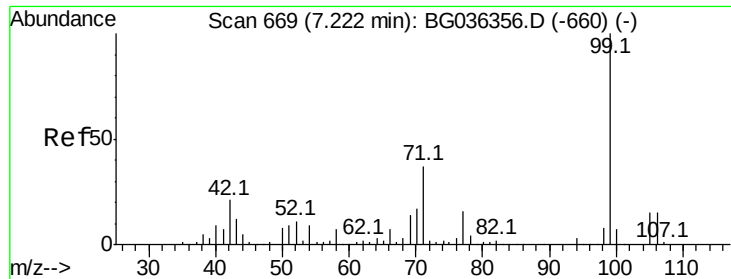
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.718 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036393.D

Acq: 24 Aug 2018 1:24

Instrument :

BNA_G

ClientSampleId :

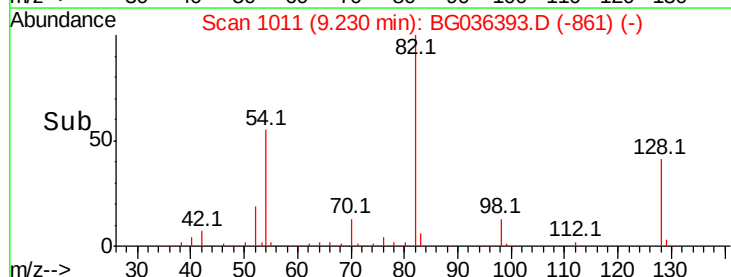
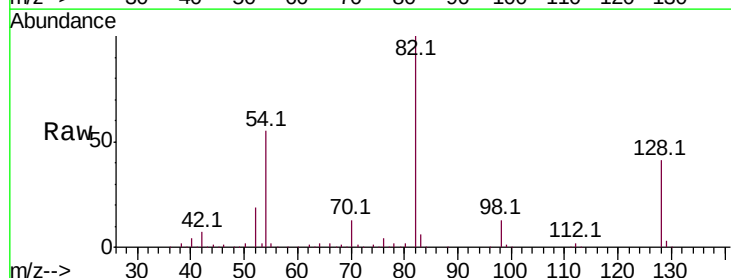
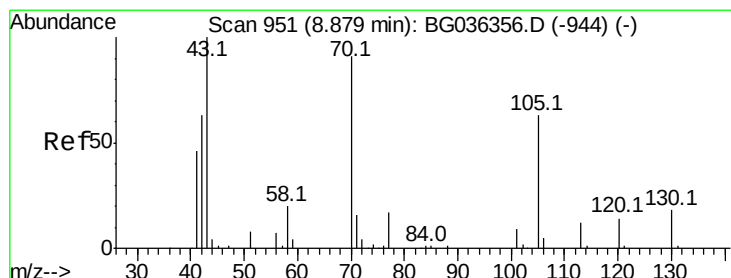
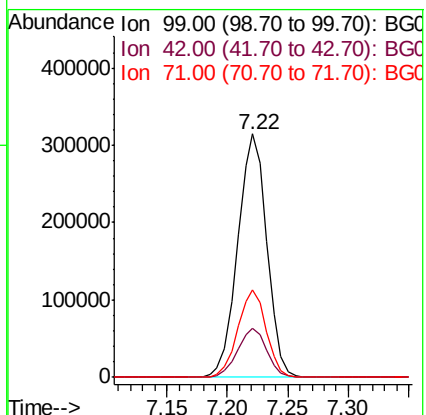
Tot Ion: 99 Resp: 529391

Ion Ratio Lower Upper

99 100

42 20.1 16.5 24.7

71 35.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.912 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036393.D

Acq: 24 Aug 2018 1:24

Tgt Ion: 70 Resp: 53938

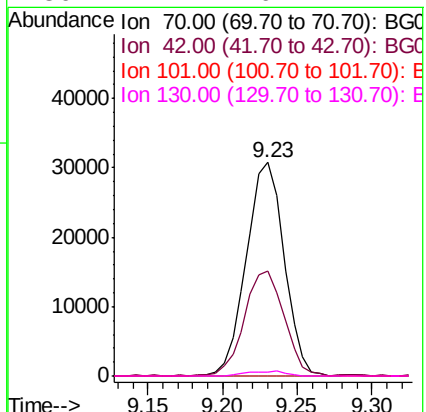
Ion Ratio Lower Upper

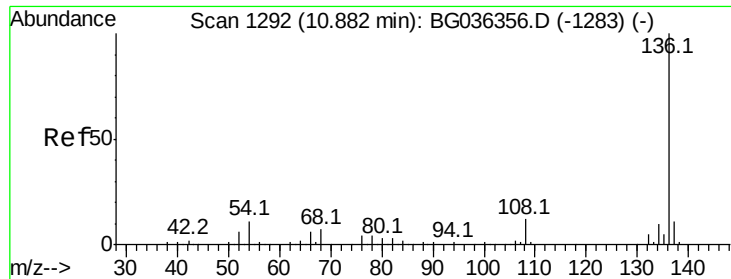
70 100

42 49.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 16.2 24.2#

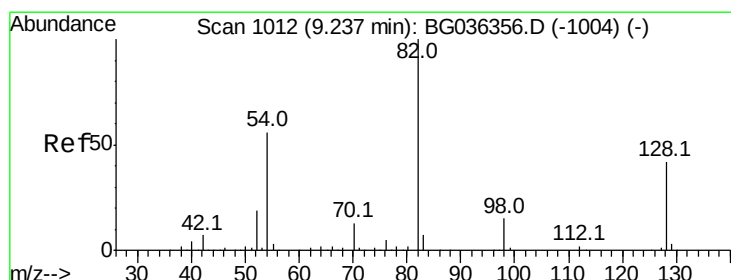
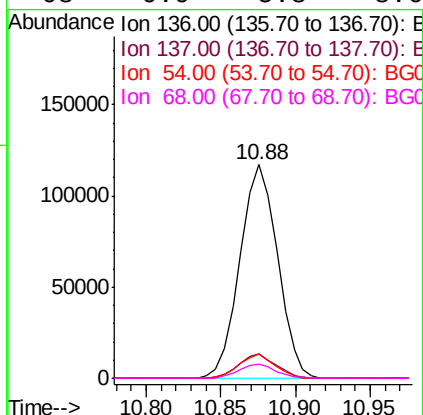
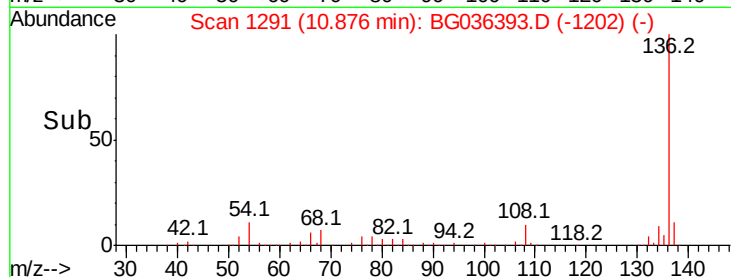
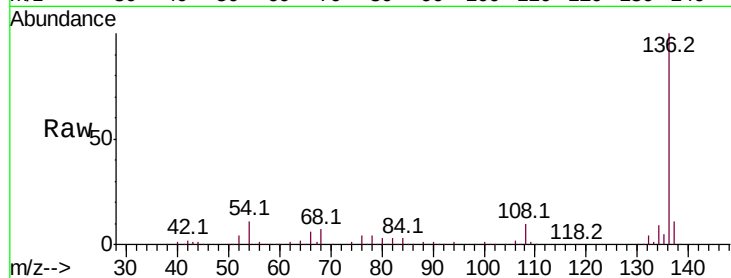




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

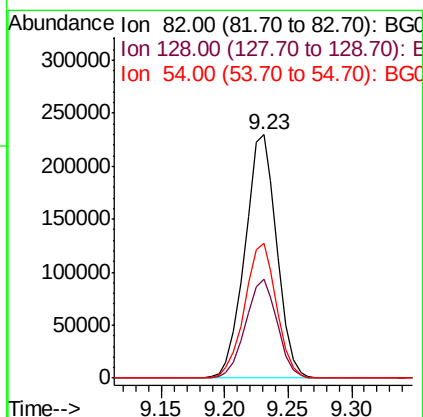
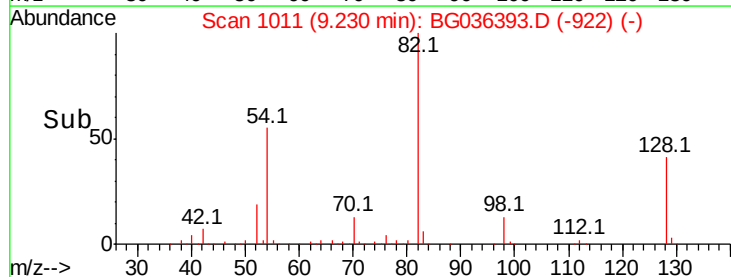
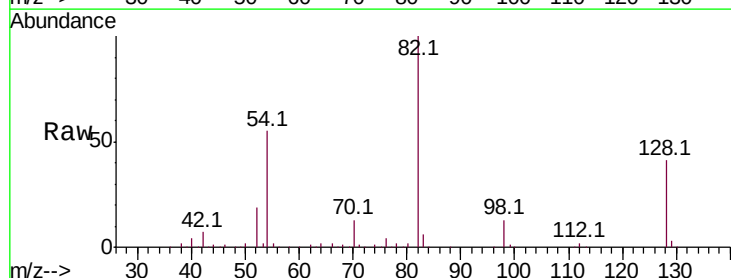
Instrument :
BNA_G
ClientSampleId :

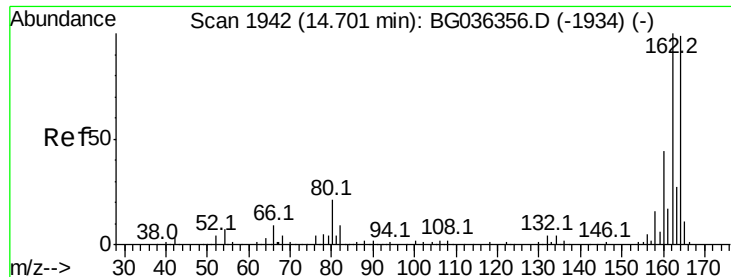
Tot Ion:136	Resp:	204731
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	11.4	9.2 13.8
68	6.9	5.8 8.6



#23
Nitrobenzene-d5
Concen: 106.034 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

Tgt Ion: 82	Resp:	400105
Ion Ratio	Lower	Upper
82	100	
128	40.6	33.3 49.9
54	55.3	45.1 67.7

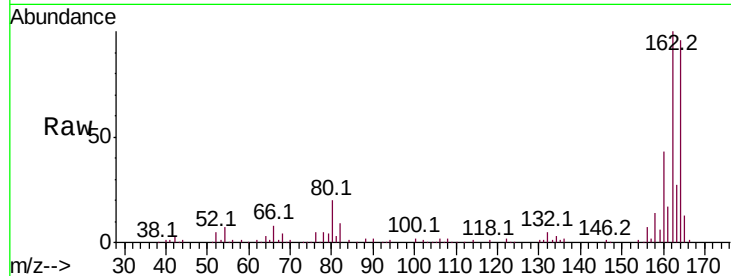




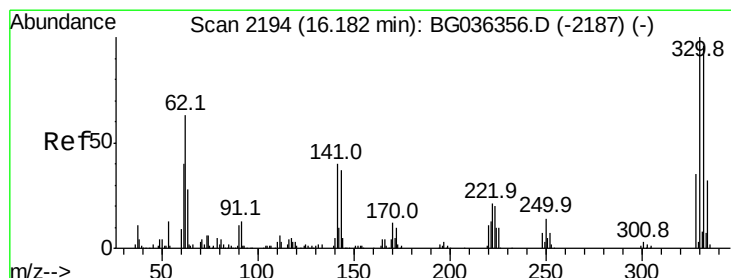
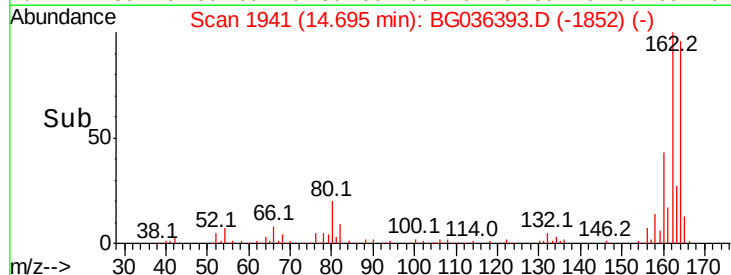
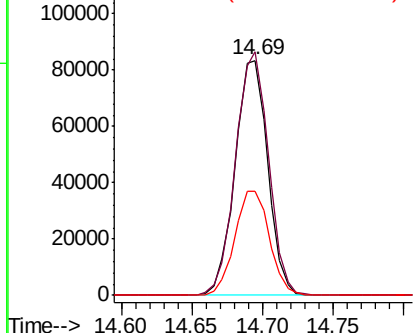
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 134973
 Ion Ratio Lower Upper
 164 100
 162 103.7 80.7 121.1
 160 44.5 35.3 52.9

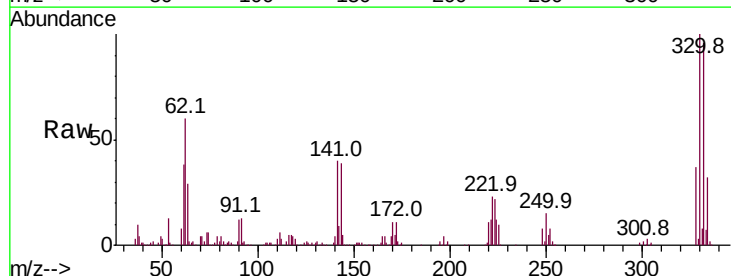


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

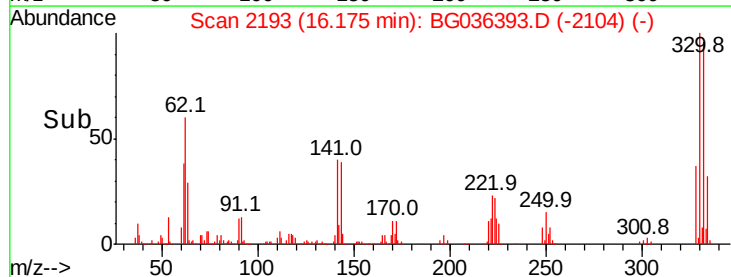
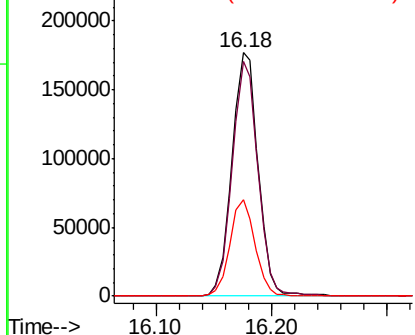


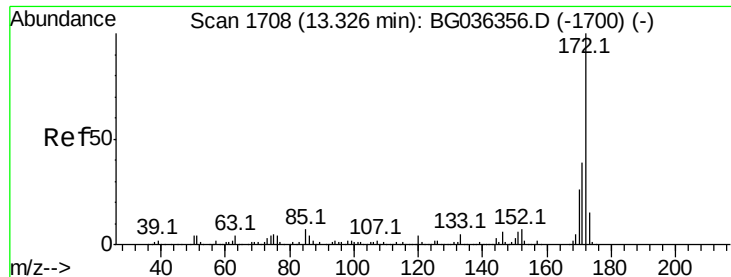
#41
 2,4,6-Tribromophenol
 Concen: 172.963 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Tgt Ion:330 Resp: 278562
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.4 113.2
 141 37.8 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

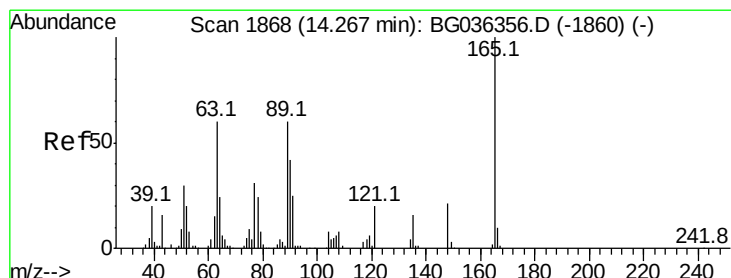
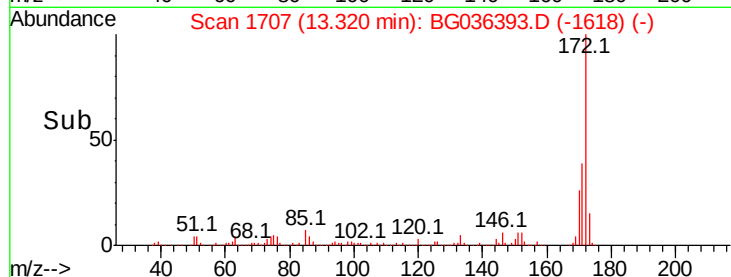
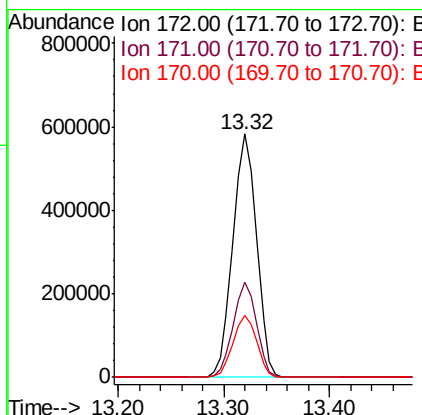
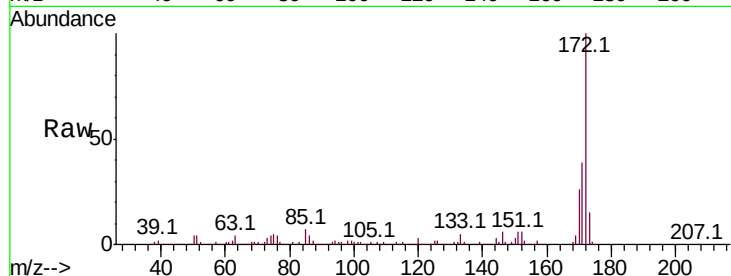




#44
2-Fluorobiphenyl
Concen: 95.441 ng
RT: 13.32 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

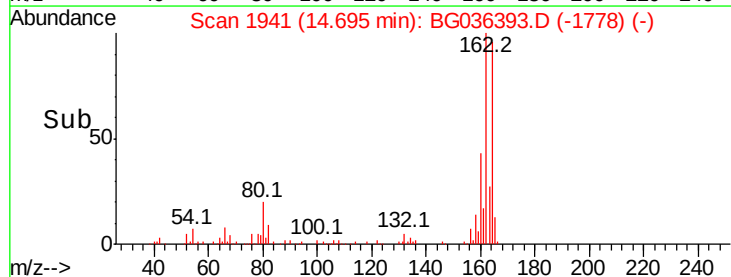
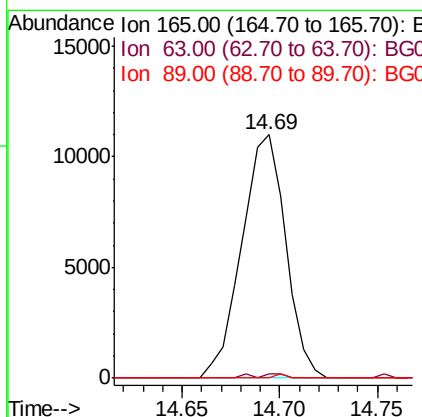
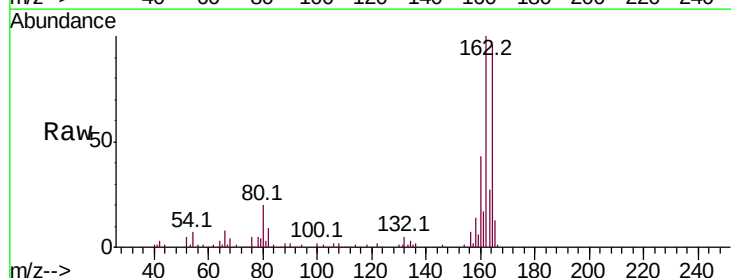
Instrument :
BNA_G
ClientSampleId :

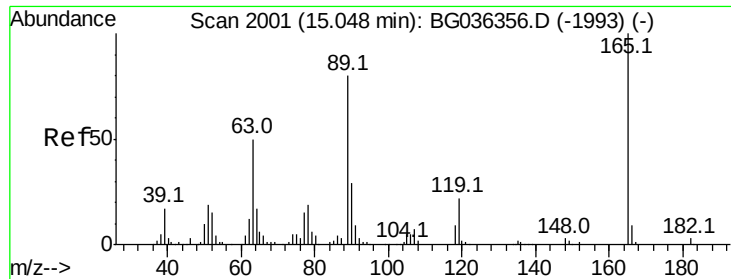
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.3	46.9
170	25.7	21.0	31.6



#50
2,6-Dinitrotoluene
Concen: 7.564 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.43 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.1	75.1#
89	0.0	47.8	71.6#

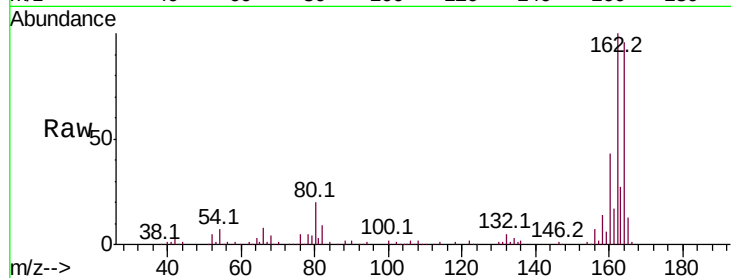




#56
2,4-Dinitrotoluene
Concen: 5.804 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.35 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

Instrument :
BNA_G
ClientSampleId :

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

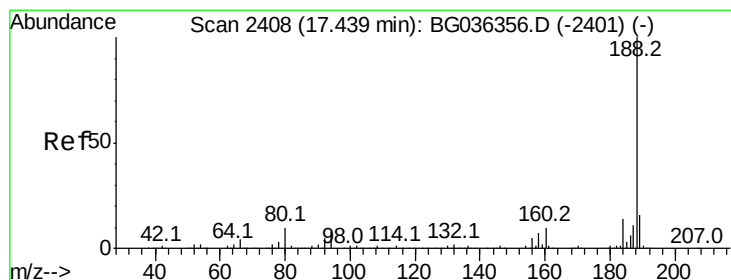
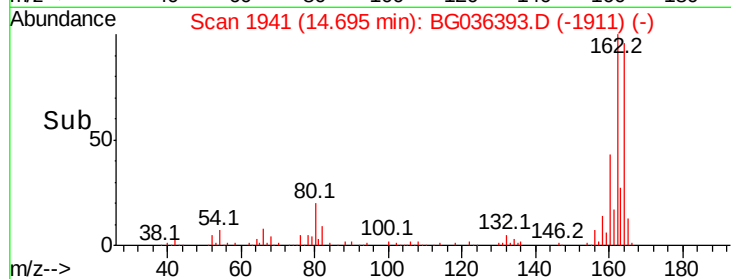
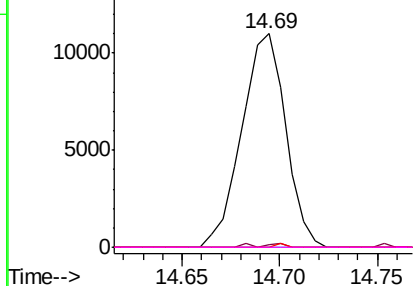


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

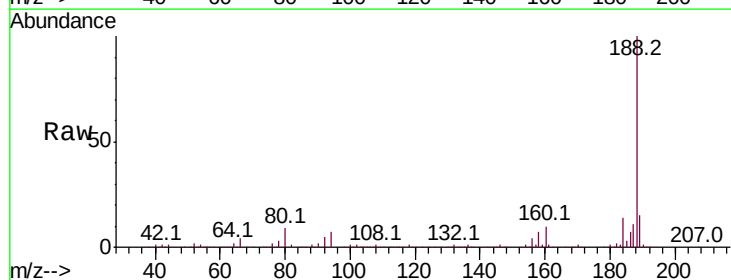
Ion 89.00 (88.70 to 89.70): BGC

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: BG036393.D
Acq: 24 Aug 2018 1:24

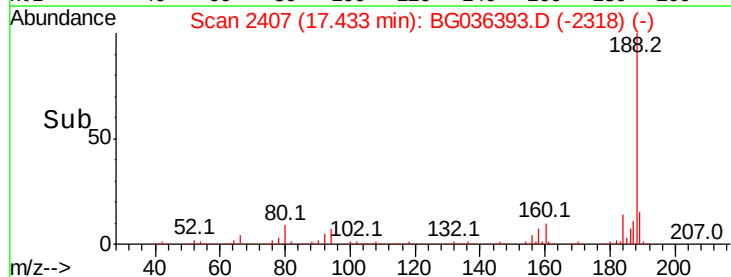
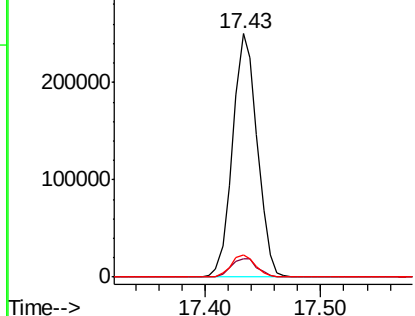
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	9.1	8.1	12.1

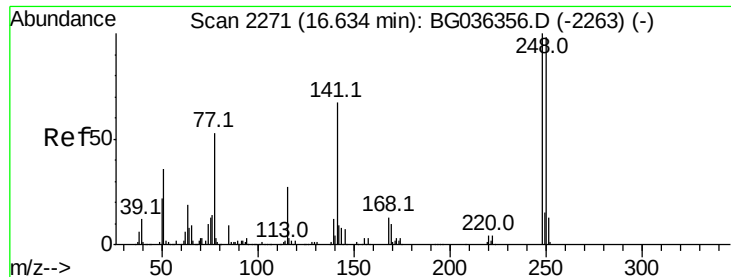


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

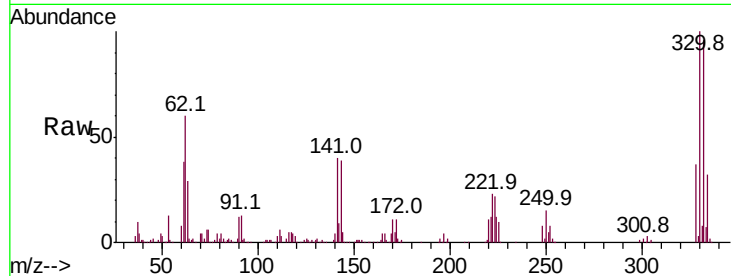




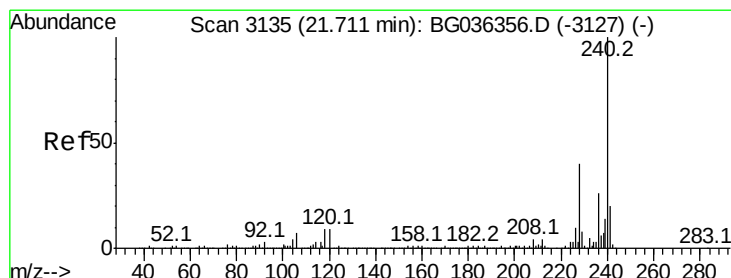
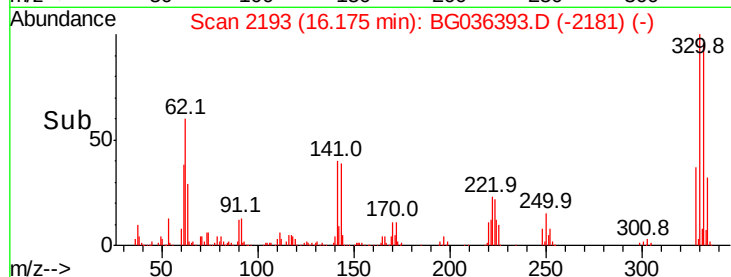
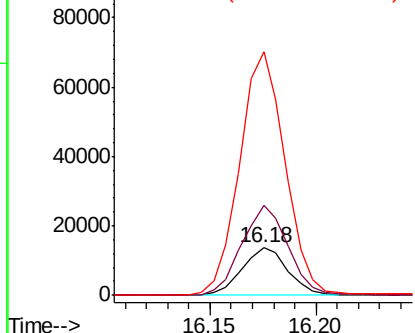
#66
 4-Bromophenyl-phenylether
 Concen: 4.734 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20463
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.1 117.1#
 141 511.4 53.7 80.5#

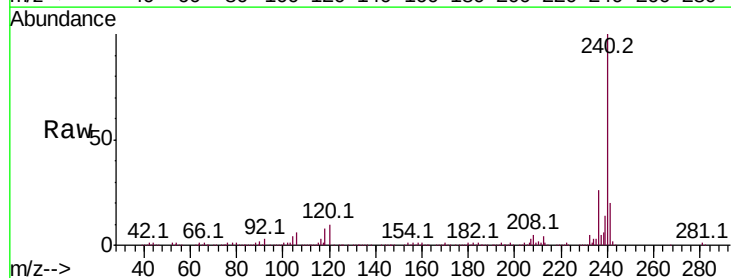


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

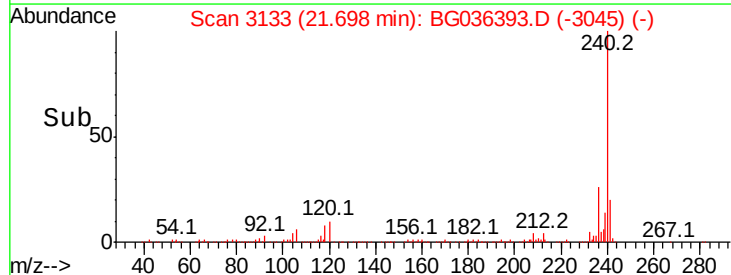
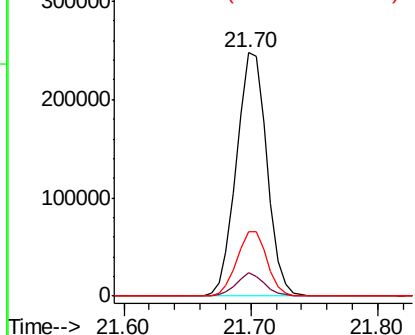


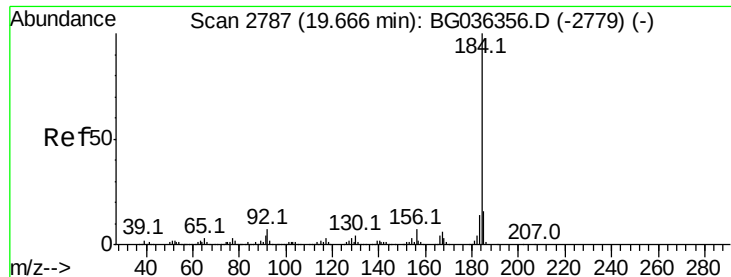
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG036393.D
 Acq: 24 Aug 2018 1:24

Tgt Ion:240 Resp: 411884
 Ion Ratio Lower Upper
 240 100
 120 9.7 6.9 10.3
 236 26.4 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: 2.404 ng

RT: 20.05 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036393.D

Acq: 24 Aug 2018 1:24

Instrument :

BNA_G

ClientSampleId :

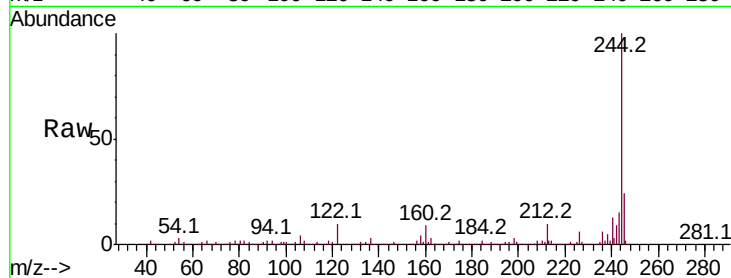
Tot Ion:184 Resp: 31591

Ion Ratio Lower Upper

184 100

185 18.4 12.6 18.8

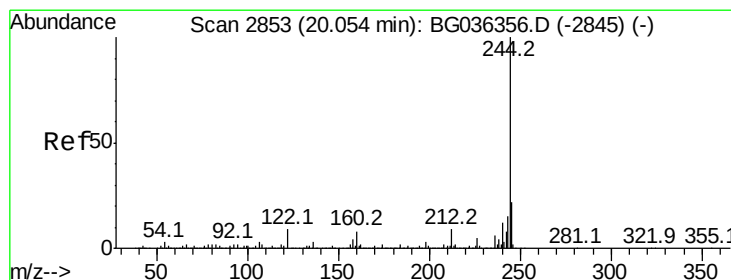
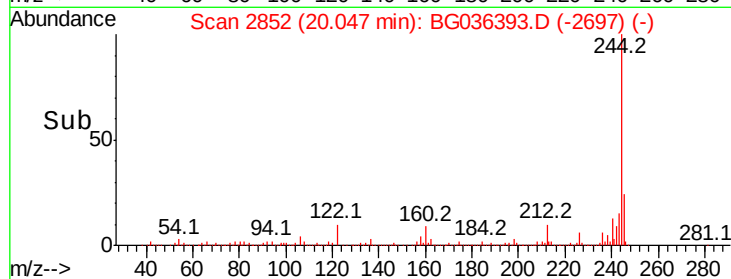
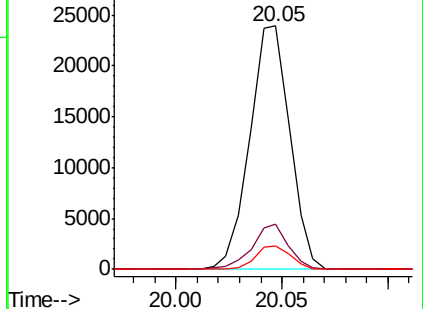
183 9.6 10.9 16.3#



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: 98.158 ng

RT: 20.05 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036393.D

Acq: 24 Aug 2018 1:24

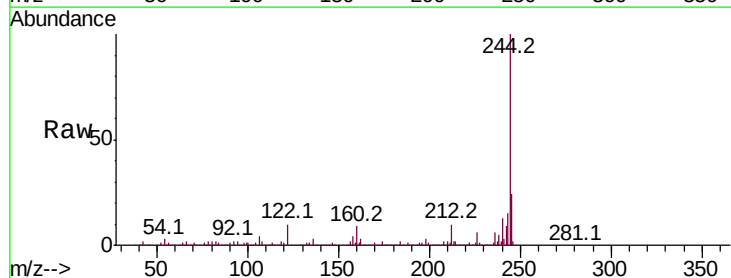
Tgt Ion:244 Resp: 1729729

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

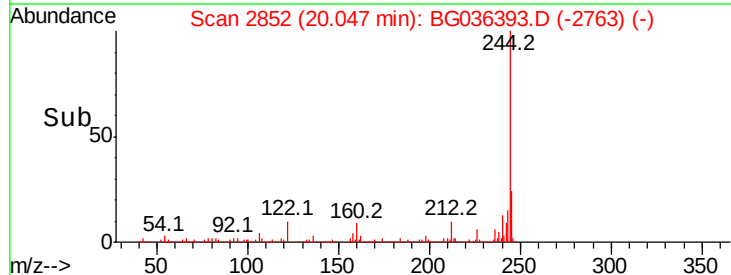
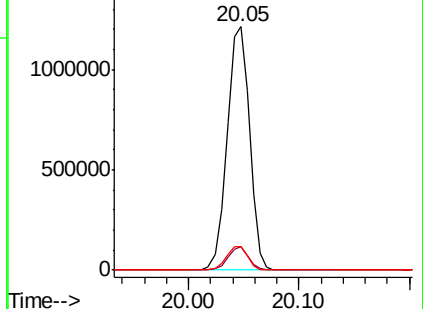
122 9.7 7.1 10.7

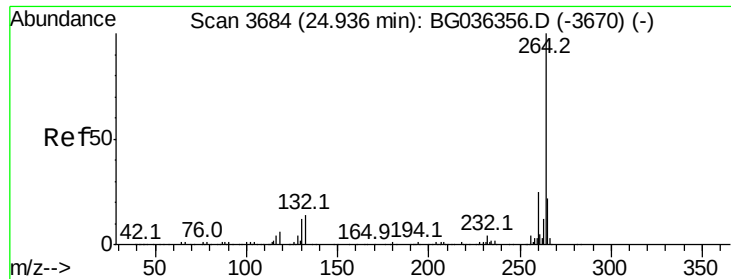


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3681
Delta R.T. -0.02 min
Lab File: BG036393.D
Acq: 24 Aug 2018 1:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.8	17.4	26.0

