

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036430.D
 Acq On : 27 Aug 2018 14:07
 Operator : JU/SJ
 Sample : J4642-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 27 15:37:56 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

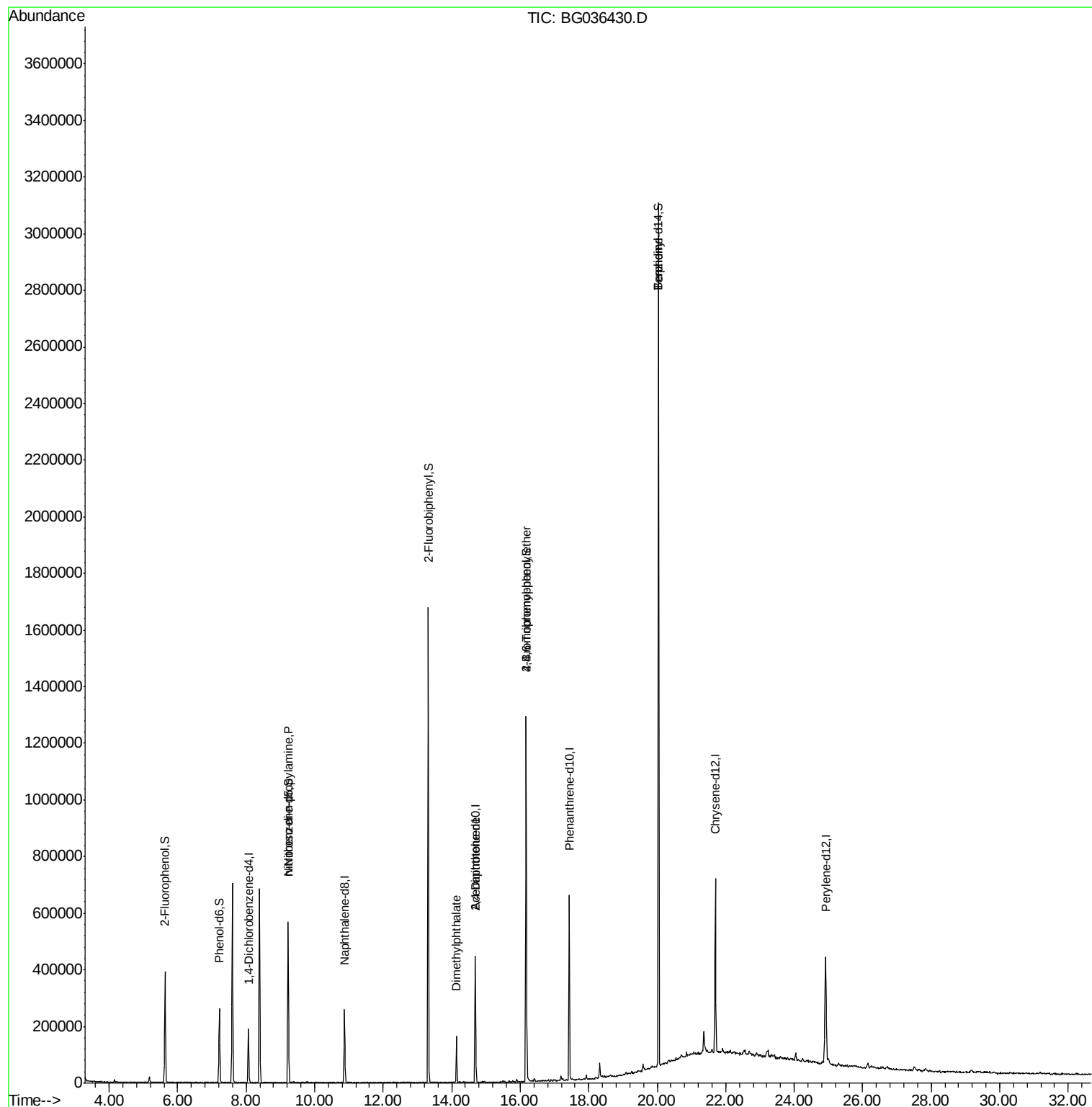
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	51813	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	225013	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	154080	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	387695	20.00	ng	0.00
75) Chrysene-d12	21.70	240	382745	20.00	ng	-0.01
86) Perylene-d12	24.92	264	417771	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	166193	50.88	ng	0.00
7) Phenol-d6	7.21	99	142529	30.48	ng	0.00
23) Nitrobenzene-d5	9.22	82	338772	81.69	ng	-0.01
41) 2,4,6-Tribromophenol	16.17	330	235181	127.92	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	871804	80.79	ng	-0.01
78) Terphenyl-d14	20.04	244	1367280	83.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	44667	12.780	ng	# 71
49) Dimethylphthalate	14.14	163	111482	8.861	ng	99
56) 2,4-Dinitrotoluene	14.69	165	19691	5.836	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	16315	3.594	ng	# 1
76) Benzidine	20.04	184	24635	2.017	ng	98

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

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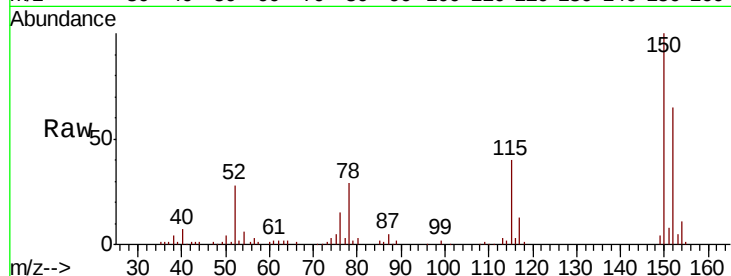


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036430.D
 Acq: 27 Aug 2018 14:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	119.5	179.3
115	61.0	44.5	66.7

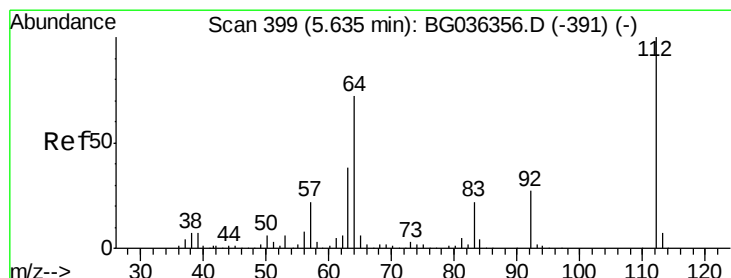
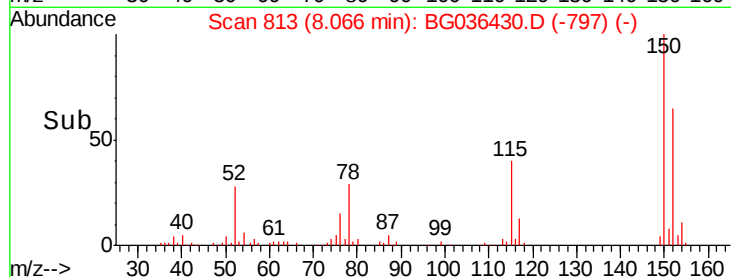
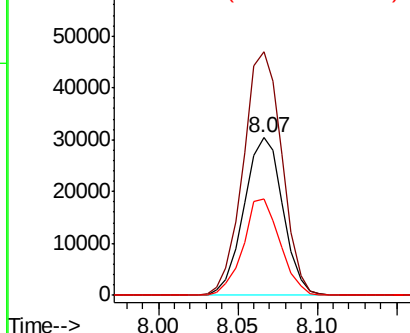


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

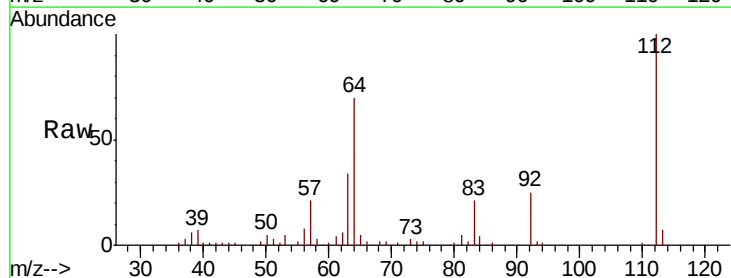
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 50.881 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BG036430.D
 Acq: 27 Aug 2018 14:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	57.2	85.8
63	34.4	30.8	46.2

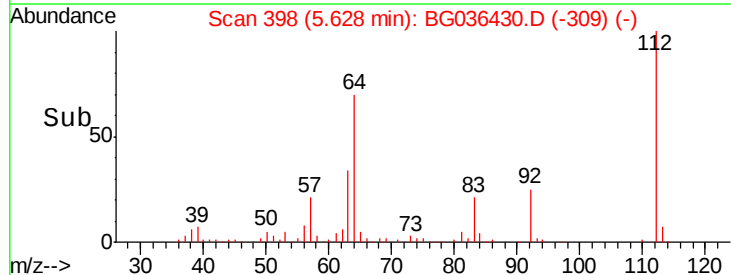
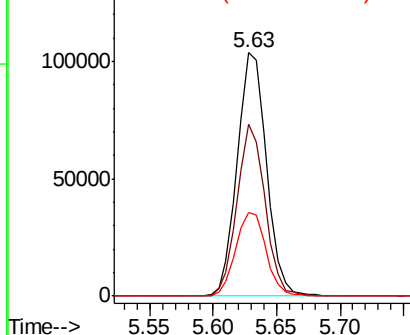


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.478 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036430.D

Acq: 27 Aug 2018 14:07

Instrument :

BNA_G

ClientSampleId :

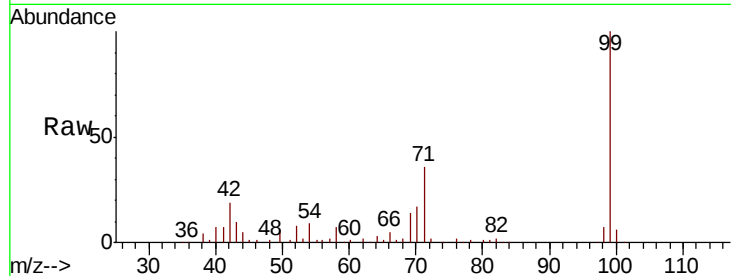
Tot Ion: 99 Resp: 142529

Ion Ratio Lower Upper

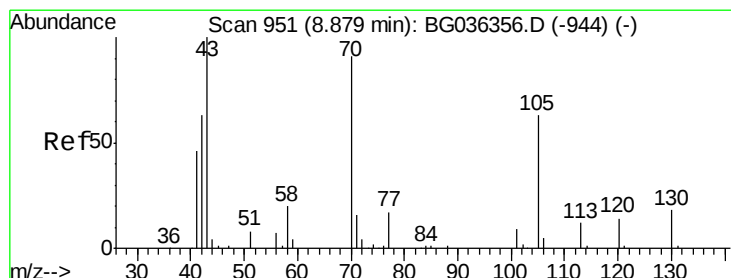
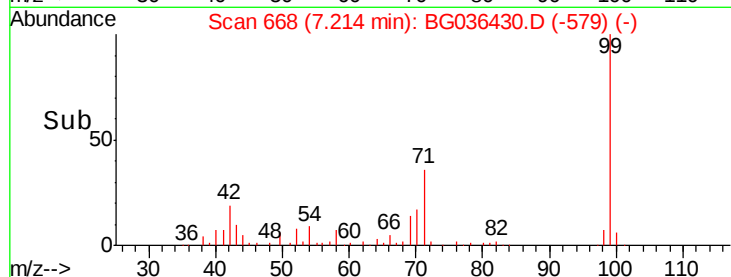
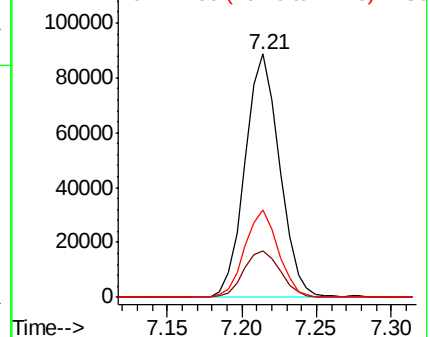
99 100

42 19.0 16.5 24.7

71 36.1 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: 12.780 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036430.D

Acq: 27 Aug 2018 14:07

Tgt Ion: 70 Resp: 44667

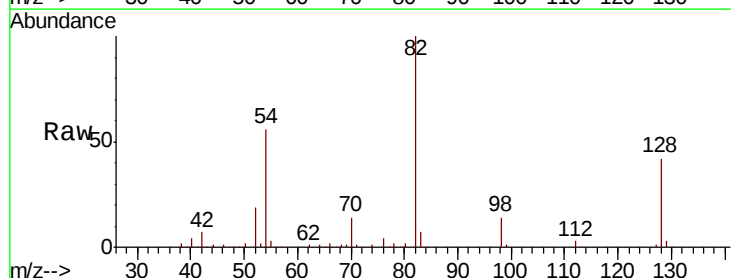
Ion Ratio Lower Upper

70 100

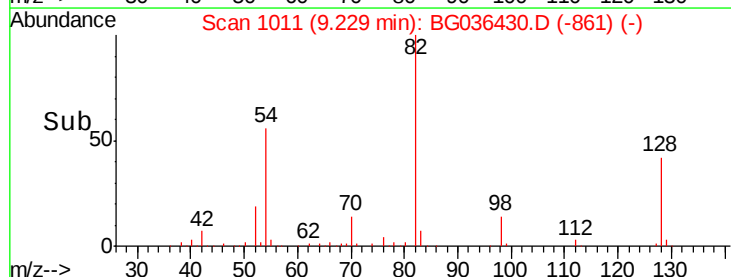
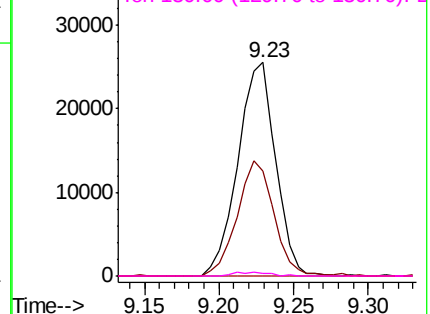
42 49.1 56.2 84.4#

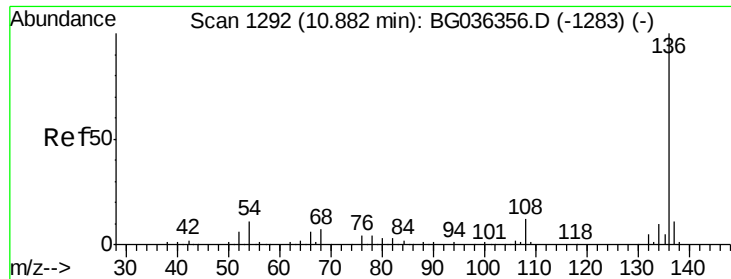
101 0.0 7.8 11.6#

130 1.4 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

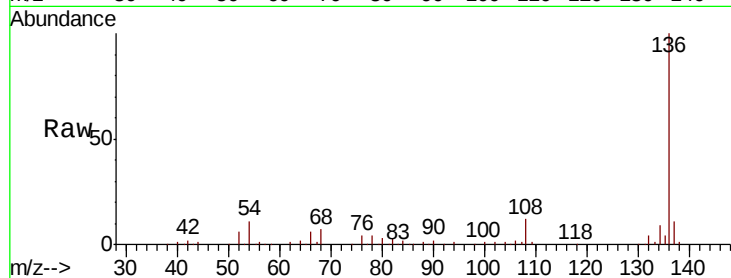




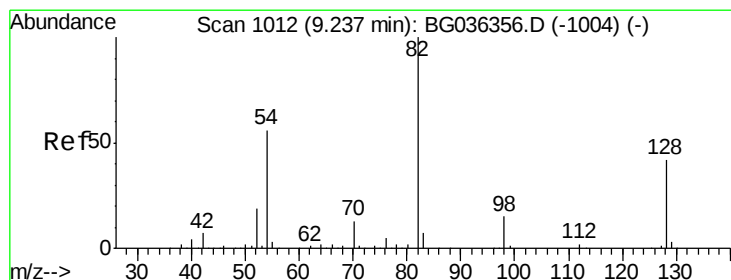
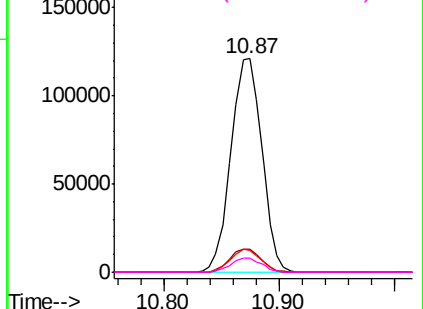
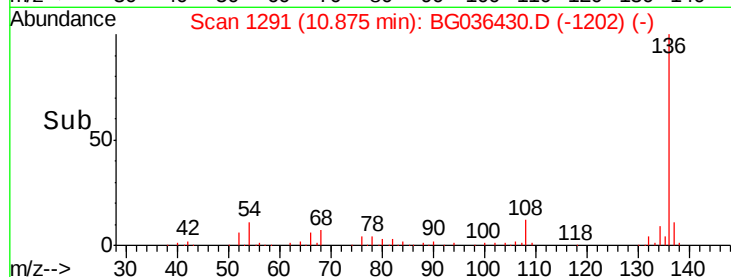
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	225013
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	10.5	9.2 13.8
68	6.6	5.8 8.6

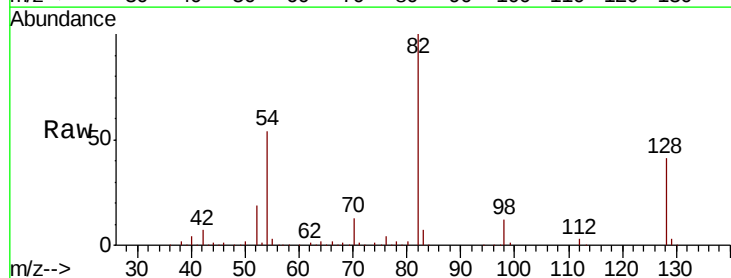


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

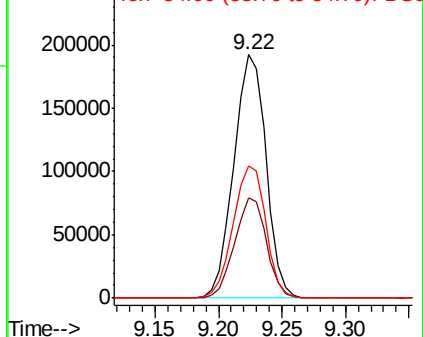
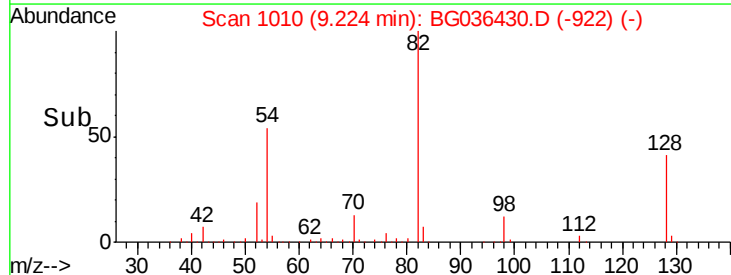


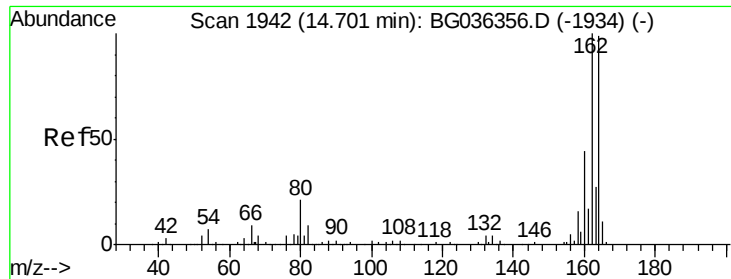
#23
Nitrobenzene-d5
Concen: 81.687 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Tgt Ion: 82	Resp:	338772
Ion	Ratio	Lower Upper
82	100	
128	41.4	33.3 49.9
54	54.3	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: BG036430.D

Acq: 27 Aug 2018 14:07

Instrument :

BNA_G

ClientSampleId :

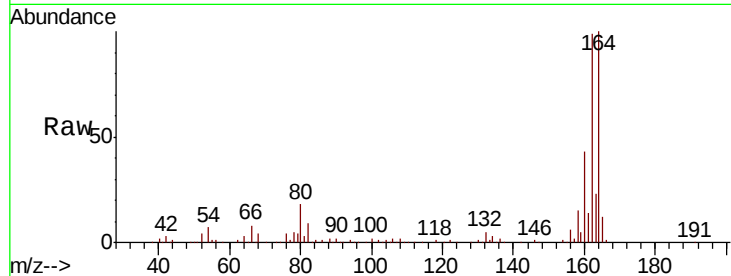
Tot Ion:164 Resp: 154080

Ion Ratio Lower Upper

164 100

162 99.0 80.7 121.1

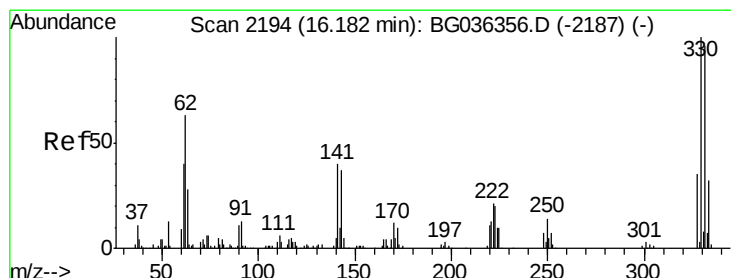
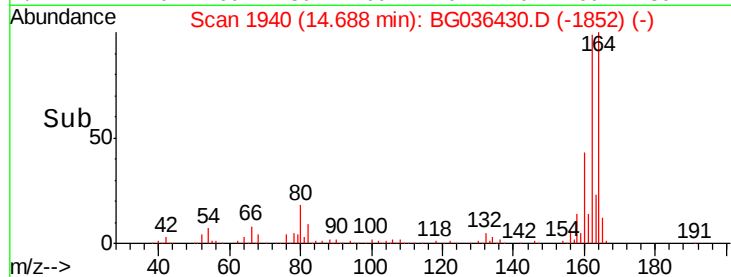
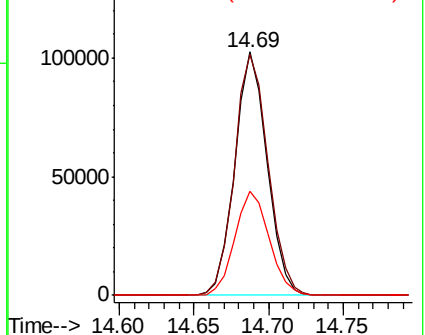
160 42.7 35.3 52.9



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: 127.919 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG036430.D

Acq: 27 Aug 2018 14:07

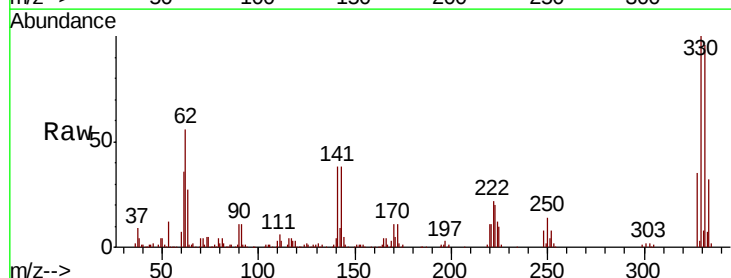
Tgt Ion:330 Resp: 235181

Ion Ratio Lower Upper

330 100

332 95.4 75.4 113.2

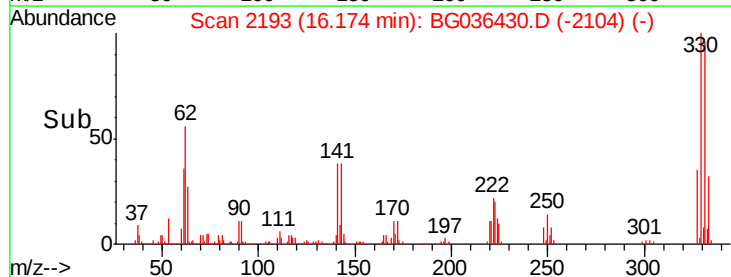
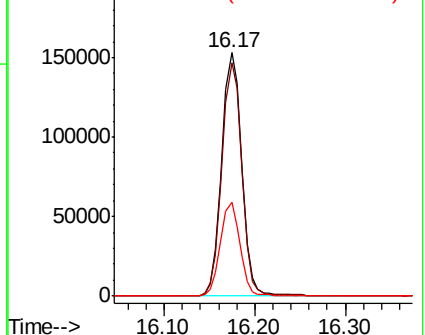
141 37.4 30.7 46.1



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

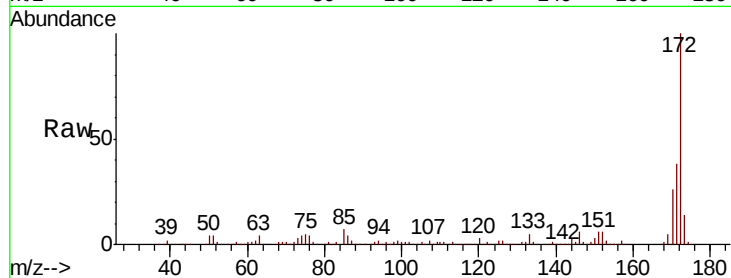




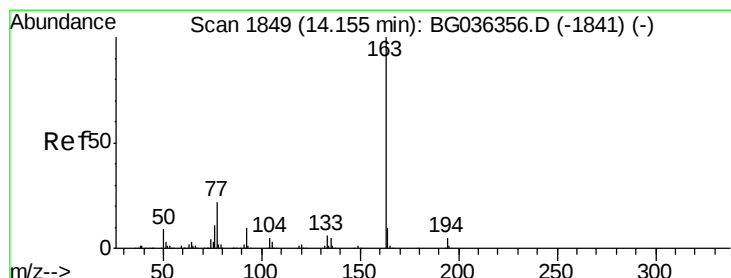
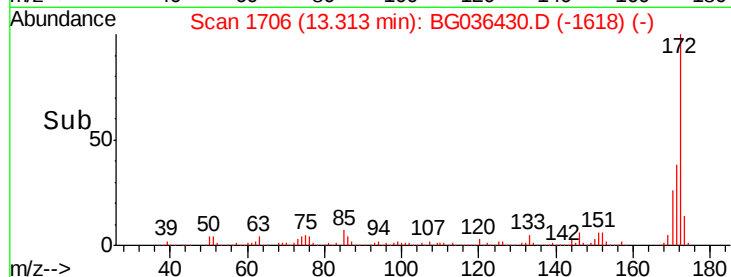
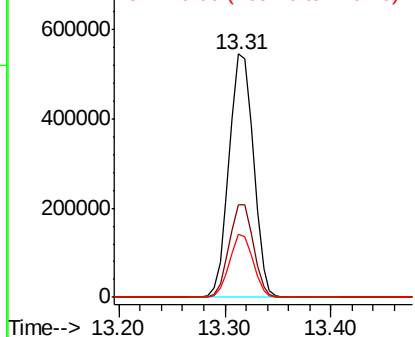
#44
2-Fluorobiphenyl
Concen: 80.788 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 871804
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 25.7 21.0 31.6

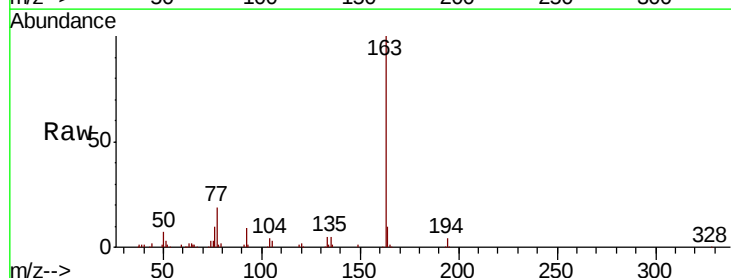


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

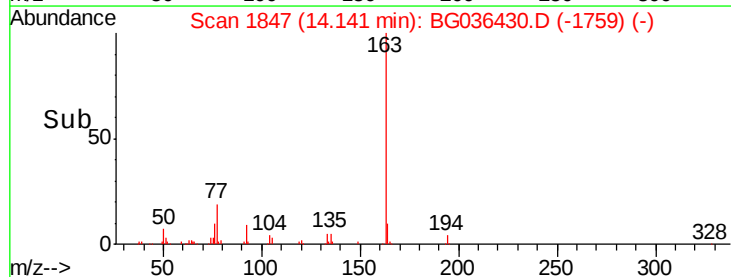
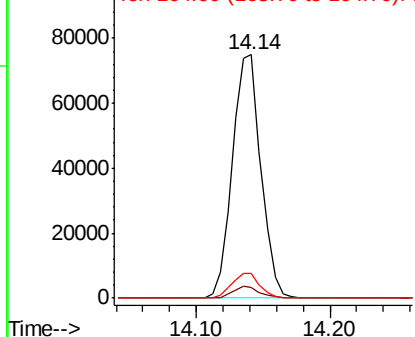


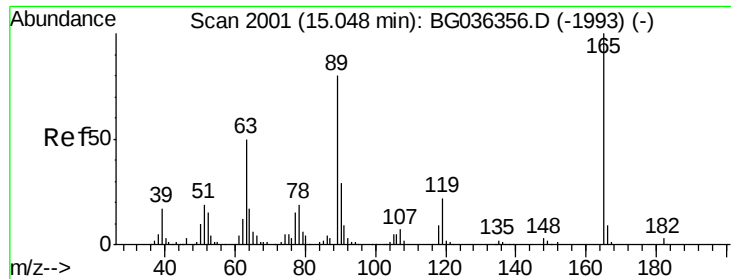
#49
Dimethylphthalate
Concen: 8.861 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Tgt Ion:163 Resp: 111482
Ion Ratio Lower Upper
163 100
194 4.2 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

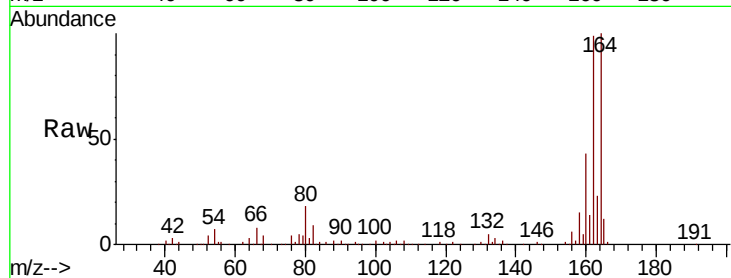




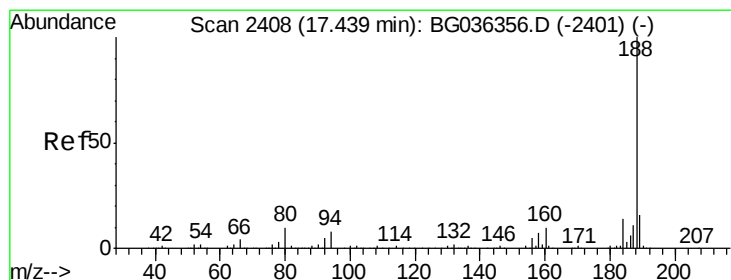
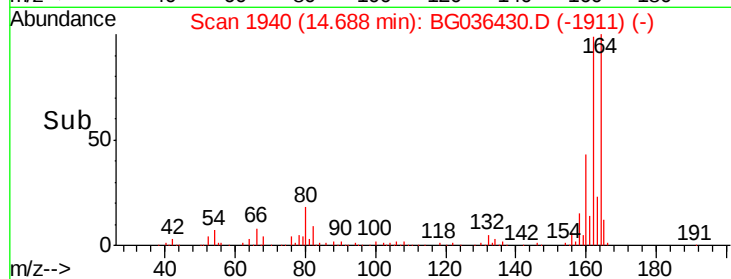
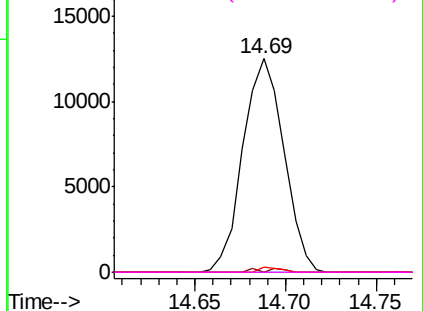
#56
 2,4-Dinitrotoluene
 Concen: 5.836 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036430.D
 Acq: 27 Aug 2018 14:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	19691
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.1 60.1#
89	2.5	63.7 95.5#
182	0.0	2.5 3.7#

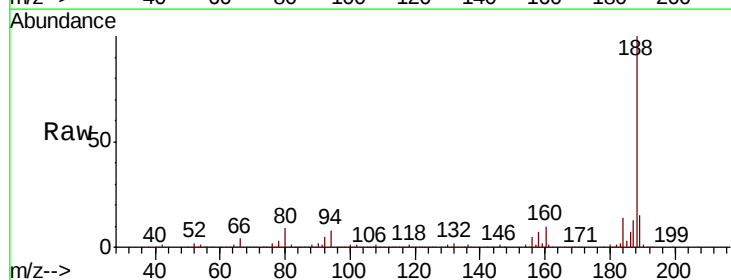


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

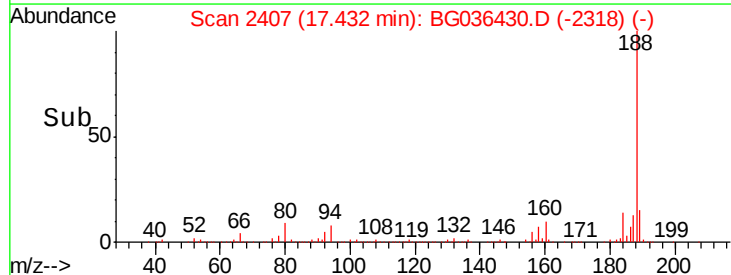
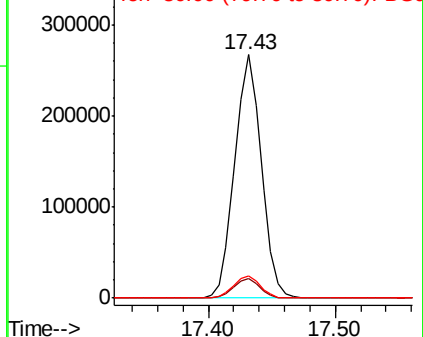


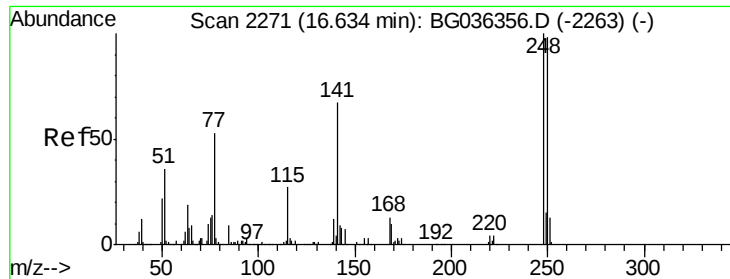
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036430.D
 Acq: 27 Aug 2018 14:07

Tgt Ion:188	Resp:	387695
Ion Ratio	Lower	Upper
188	100	
94	8.1	6.7 10.1
80	9.3	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

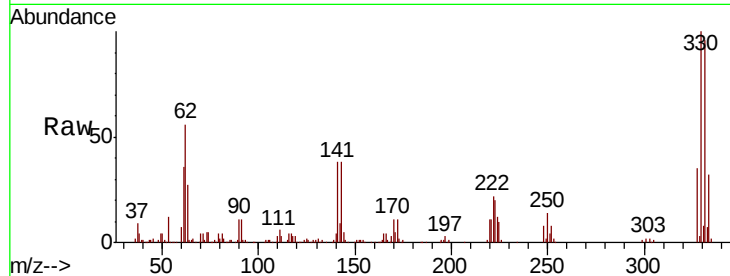




#66
 4-Bromophenyl-phenylether
 Concen: 3.594 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036430.D
 Acq: 27 Aug 2018 14:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.2	78.1	117.1#
141	506.4	53.7	80.5#

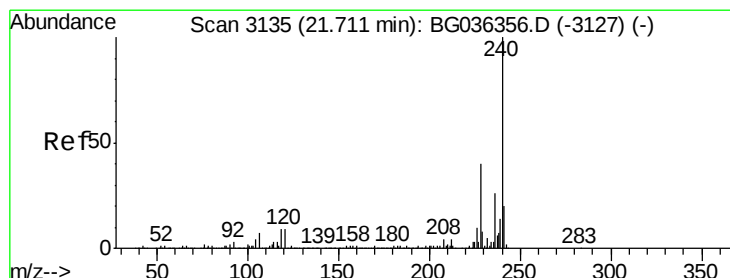
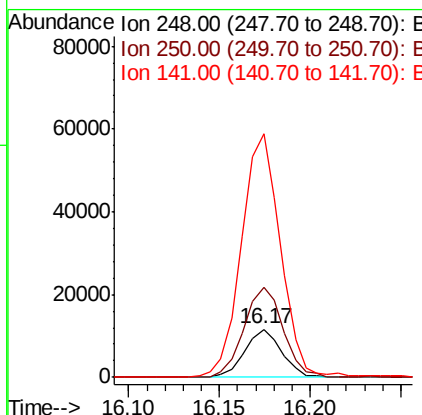
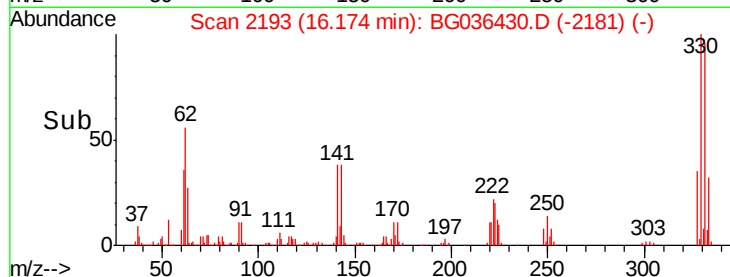


Abundance

Ion 248.00 (247.70 to 248.70): E

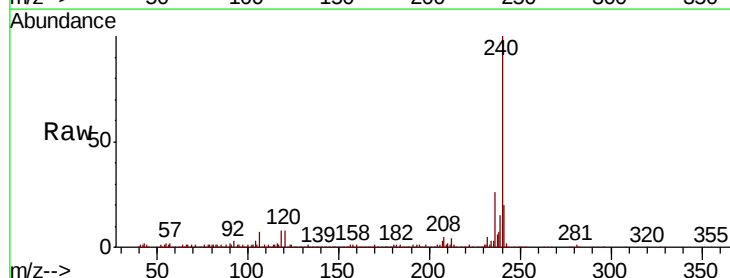
Ion 250.00 (249.70 to 250.70): E

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: BG036430.D
 Acq: 27 Aug 2018 14:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	26.3	21.2	31.8

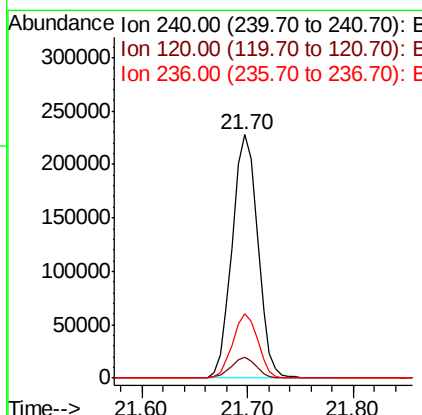
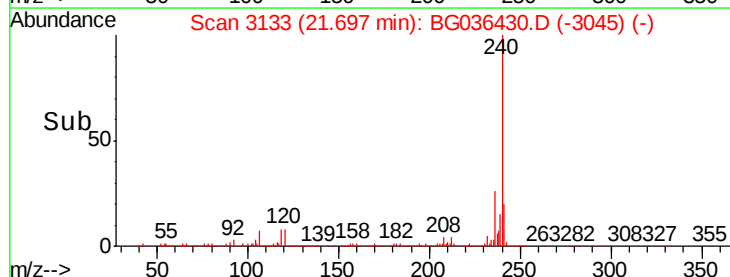


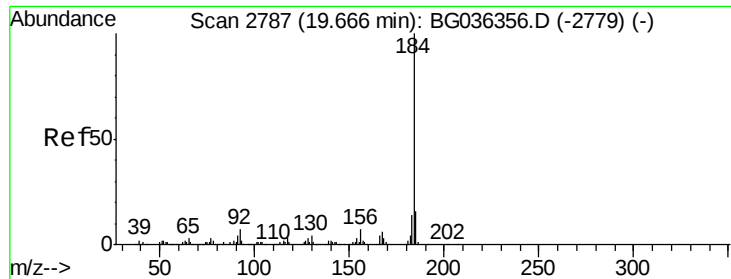
Abundance

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

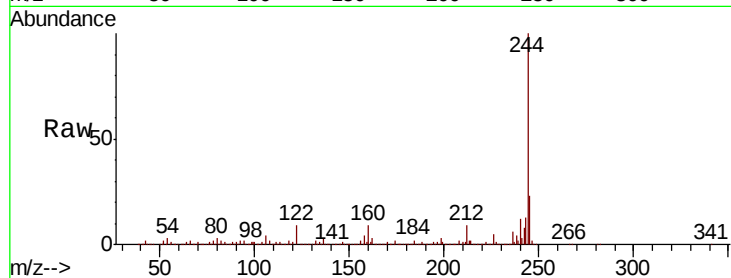




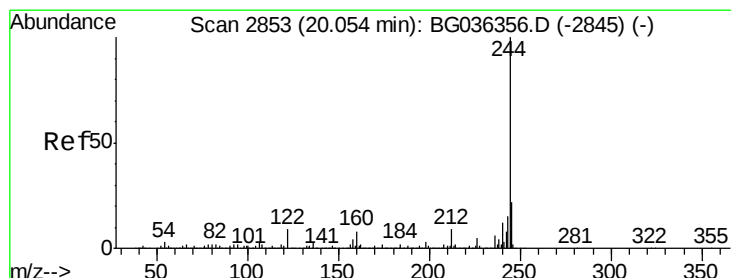
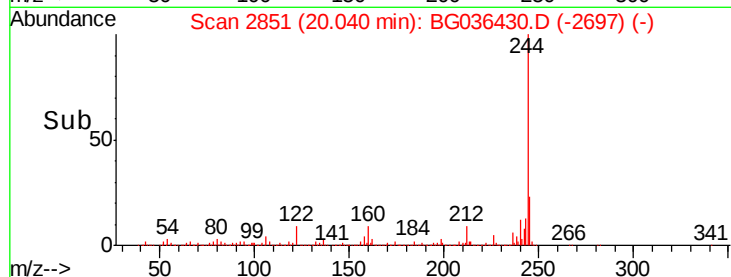
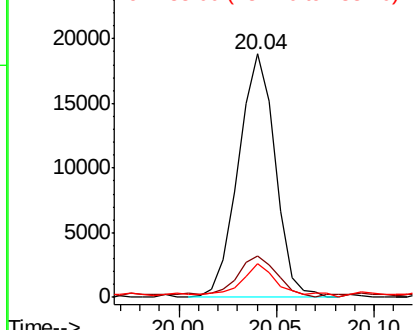
#76
Benzidine
Concen: 2.017 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.37 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 24635
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 13.9 10.9 16.3

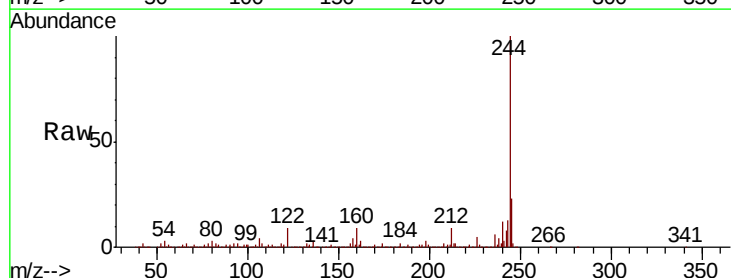


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

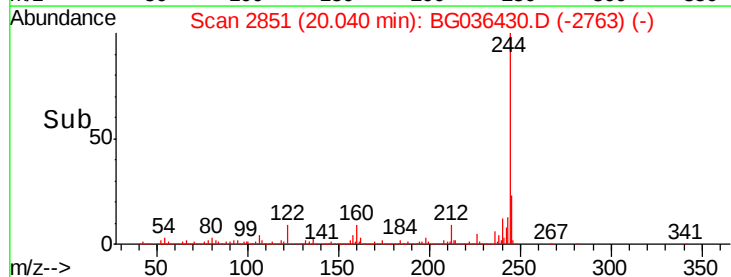
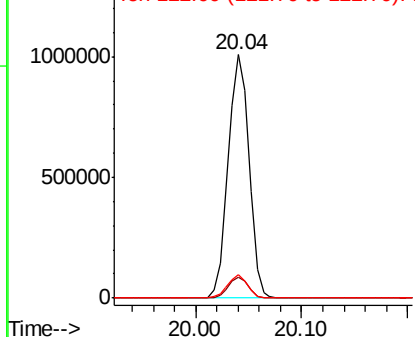


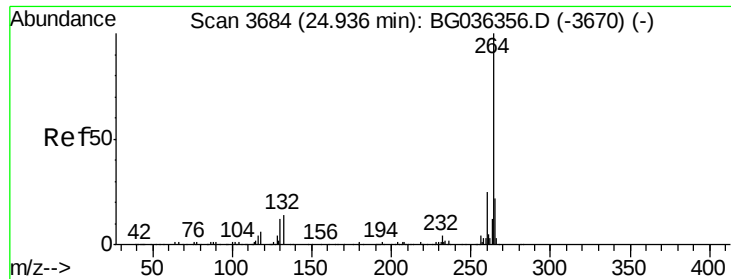
#78
Terphenyl-d14
Concen: 83.497 ng
RT: 20.04 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Tgt Ion:244 Resp: 1367280
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 9.4 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

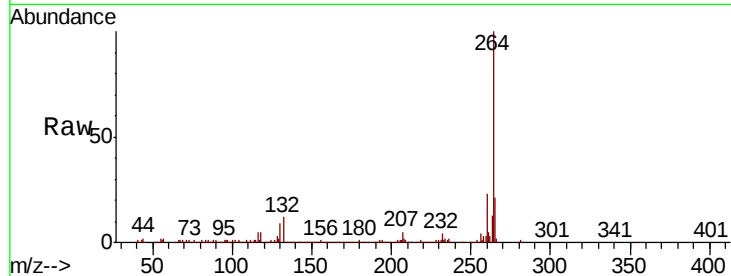




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3681
Delta R.T. -0.02 min
Lab File: BG036430.D
Acq: 27 Aug 2018 14:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.6	29.4
265	21.1	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

