

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036401.D
 Acq On : 24 Aug 2018 6:38
 Operator : JU/SJ
 Sample : PB112276BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 07:19:32 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

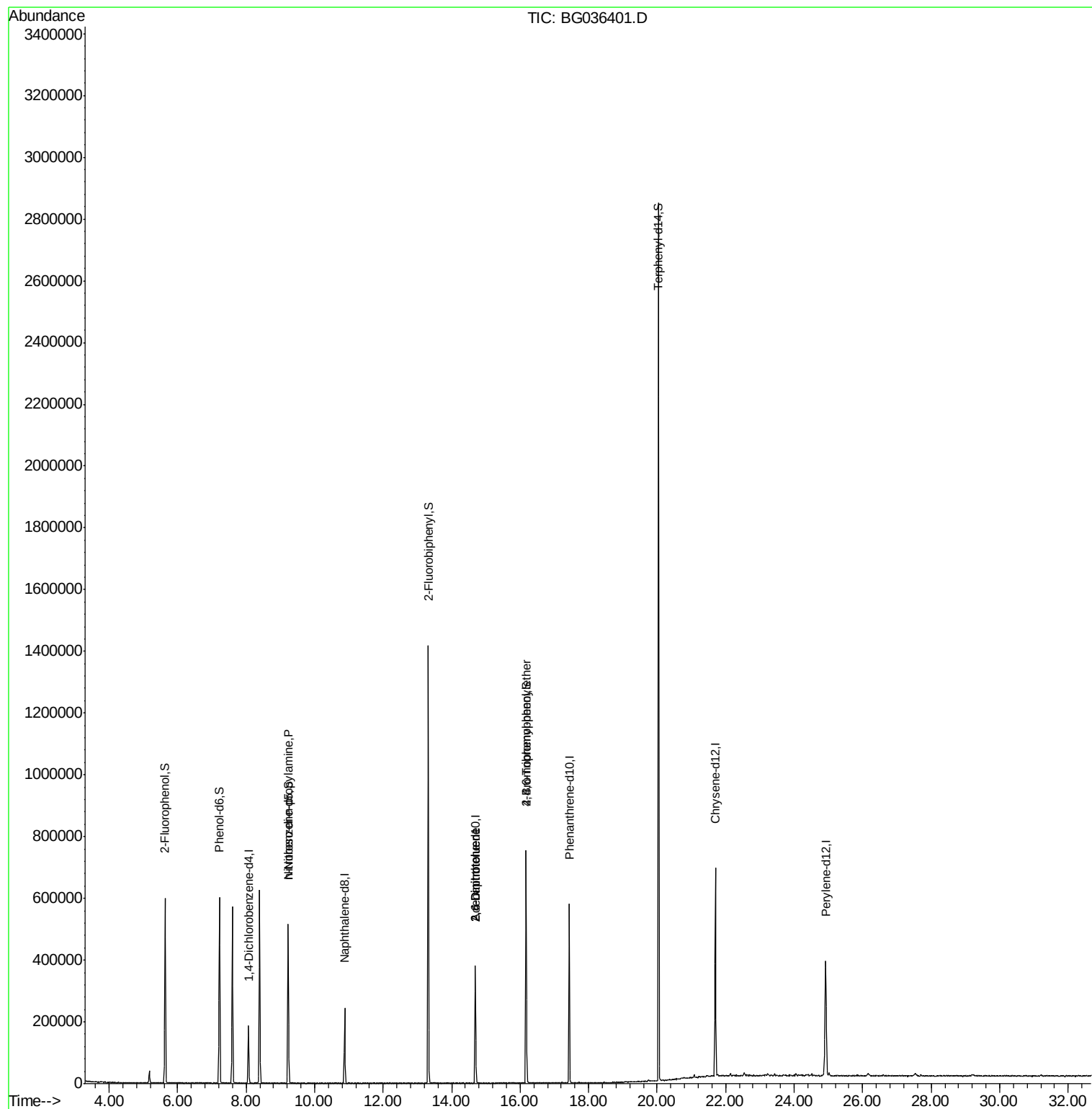
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	50430	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	206345	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	134417	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	351416	20.00	ng	0.00
75) Chrysene-d12	21.70	240	408068	20.00	ng	-0.01
86) Perylene-d12	24.92	264	407994	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	246327	77.48	ng	0.00
7) Phenol-d6	7.22	99	347003	76.24	ng	0.00
23) Nitrobenzene-d5	9.23	82	301658	79.32	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	140767	87.77	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	735813	78.16	ng	0.00
78) Terphenyl-d14	20.04	244	1261944	72.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	39833	11.710	ng	# 74
50) 2,6-Dinitrotoluene	14.69	165	16587	7.344	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	16587	5.635	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	9987	2.427	ng	# 1

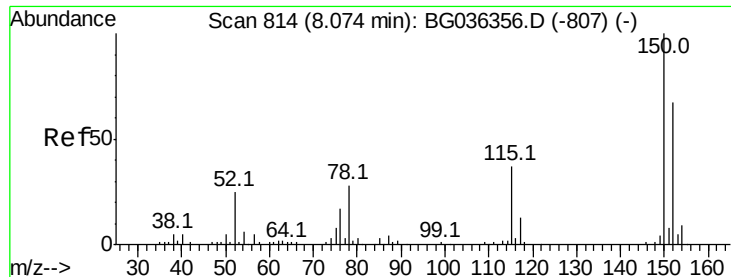
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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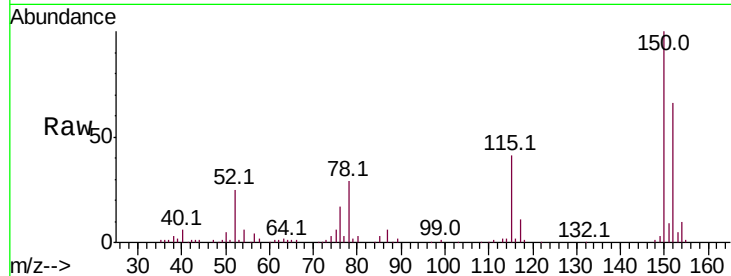


#1

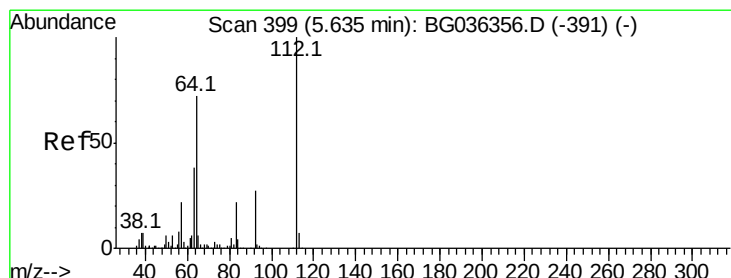
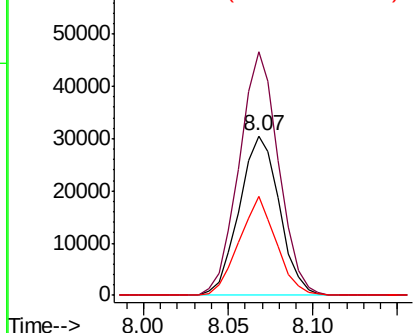
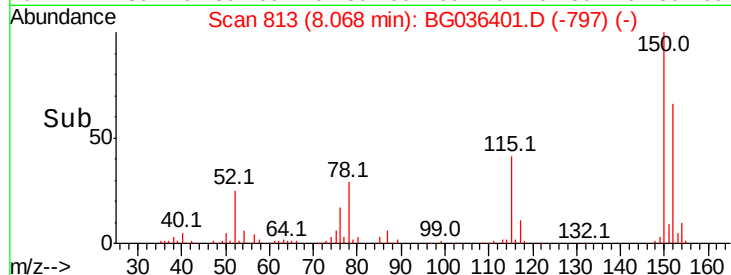
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036401.D
Acq: 24 Aug 2018 6:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50430
Ion Ratio Lower Upper
152 100
150 152.5 119.5 179.3
115 61.9 44.5 66.7



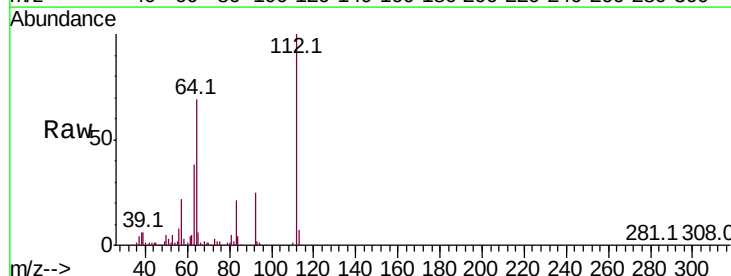
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



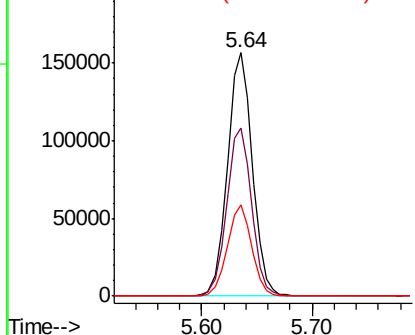
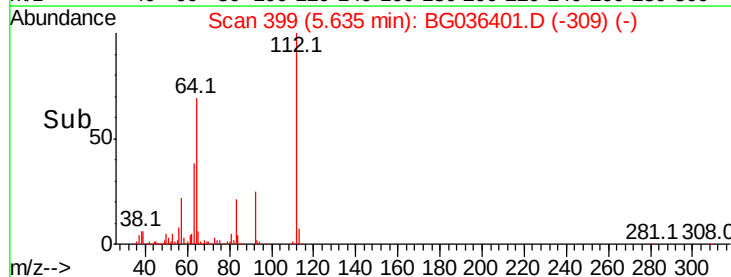
#5

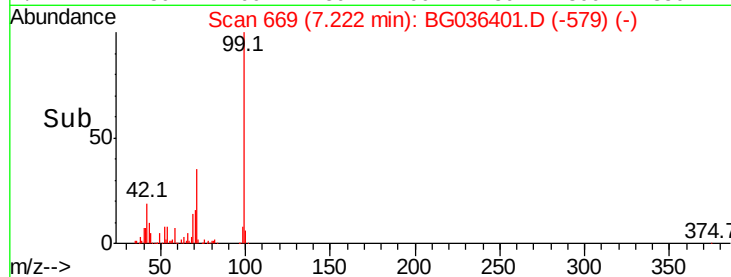
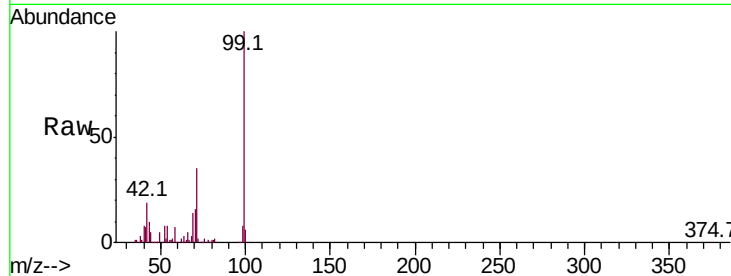
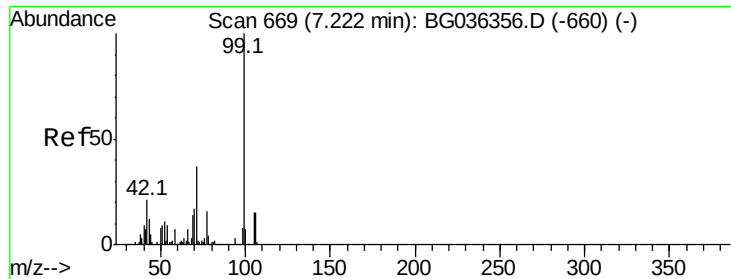
2-Fluorophenol
Concen: 77.483 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG036401.D
Acq: 24 Aug 2018 6:38

Tgt Ion:112 Resp: 246327
Ion Ratio Lower Upper
112 100
64 68.9 57.2 85.8
63 37.6 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: 76.236 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

Instrument :

BNA_G

ClientSampled :

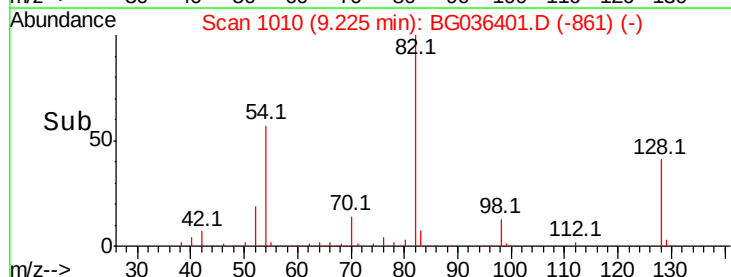
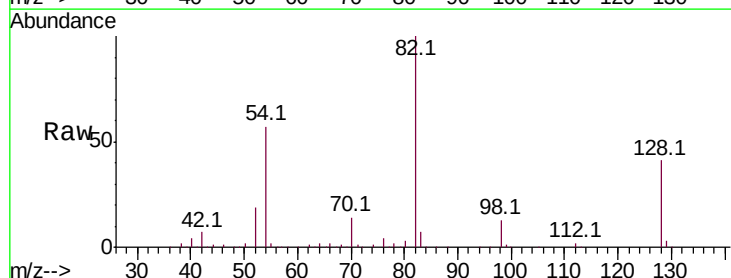
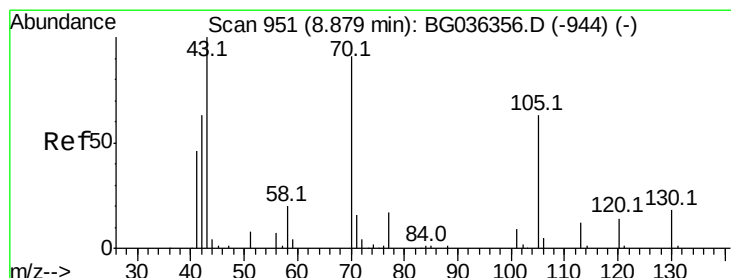
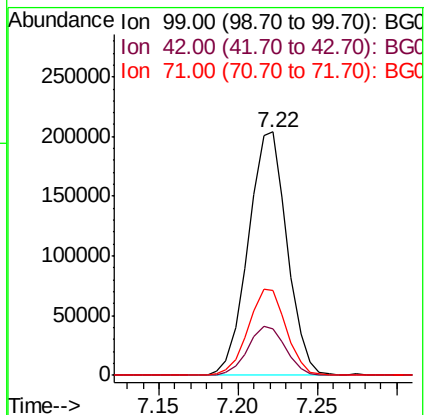
Tot Ion: 99 Resp: 347003

Ion Ratio Lower Upper

99 100

42 19.3 16.5 24.7

71 34.9 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.710 ng

RT: 9.23 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

Tgt Ion: 70 Resp: 39833

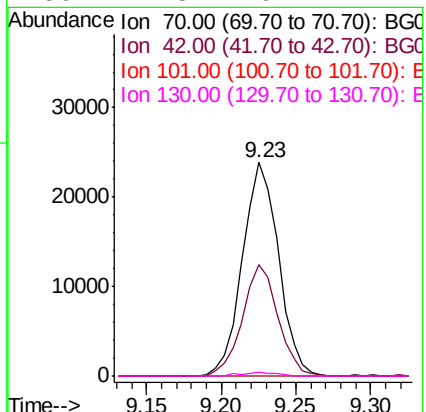
Ion Ratio Lower Upper

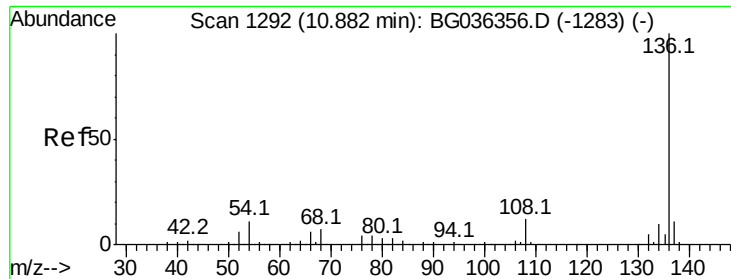
70 100

42 52.2 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#

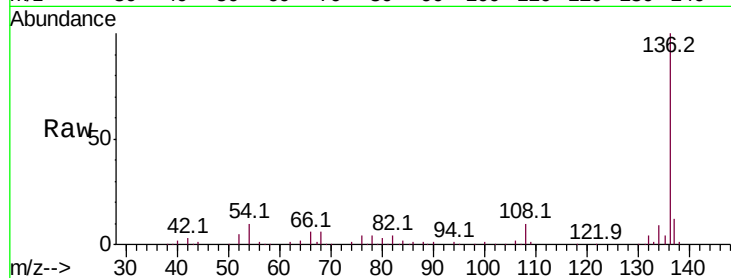




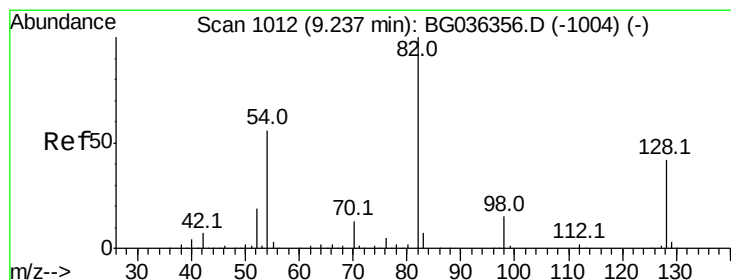
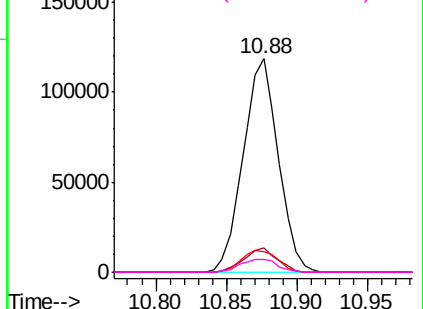
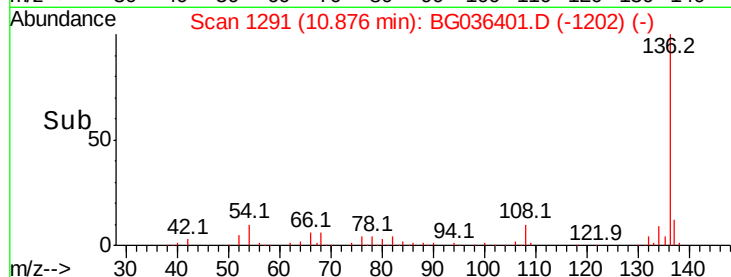
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036401.D
Acq: 24 Aug 2018 6:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	206345
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	9.9	9.2	13.8
68	6.0	5.8	8.6

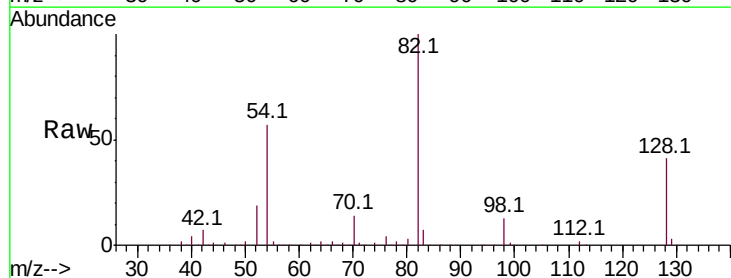


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

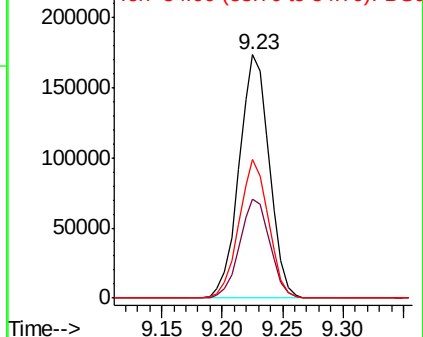
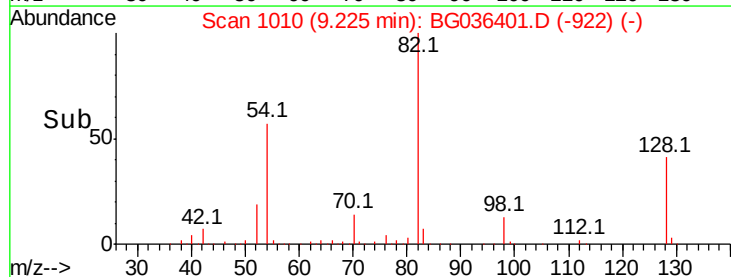


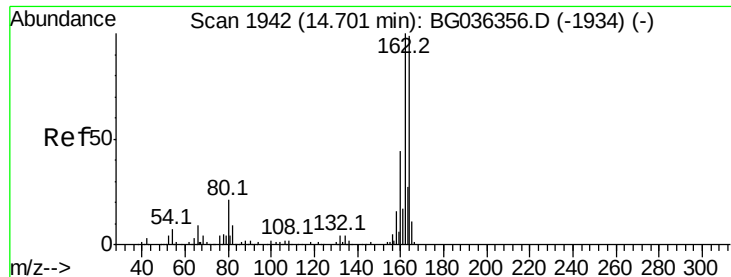
#23
Nitrobenzene-d5
Concen: 79.318 ng
RT: 9.23 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036401.D
Acq: 24 Aug 2018 6:38

Tgt Ion:	82	Resp:	301658
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.3	49.9
54	56.9	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: BG036401.D

Acq: 24 Aug 2018 6:38

Instrument :

BNA_G

ClientSampleId :

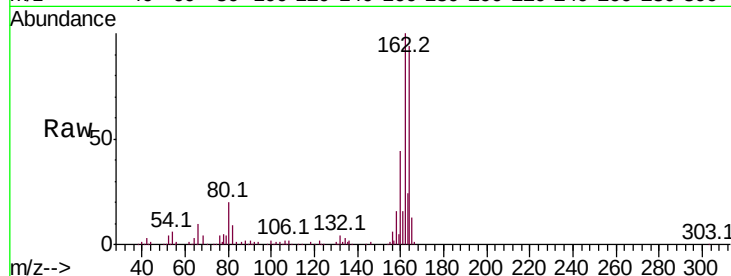
Tot Ion:164 Resp: 134417

Ion Ratio Lower Upper

164 100

162 106.8 80.7 121.1

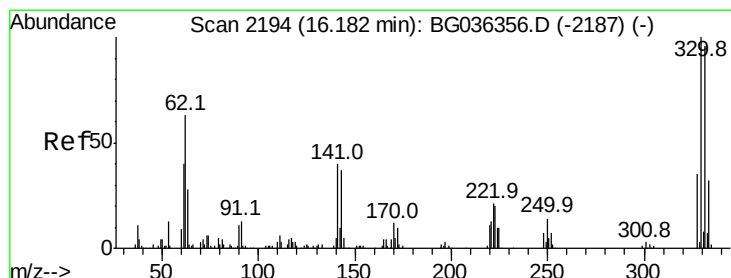
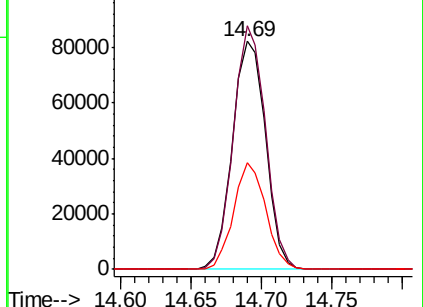
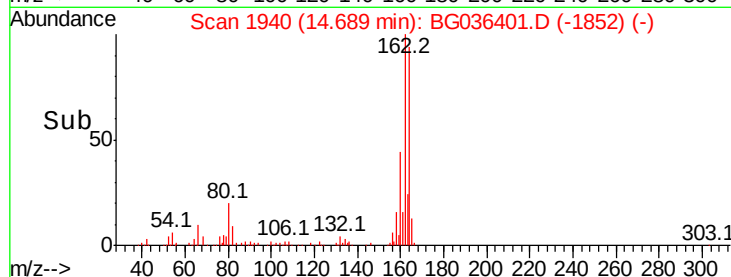
160 46.8 35.3 52.9



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: 87.766 ng

RT: 16.18 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

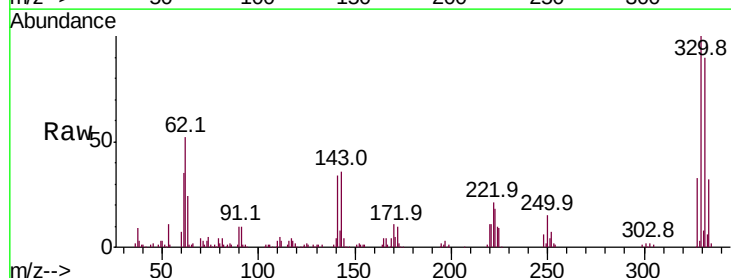
Tgt Ion:330 Resp: 140767

Ion Ratio Lower Upper

330 100

332 93.0 75.4 113.2

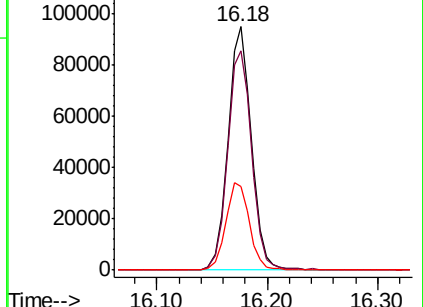
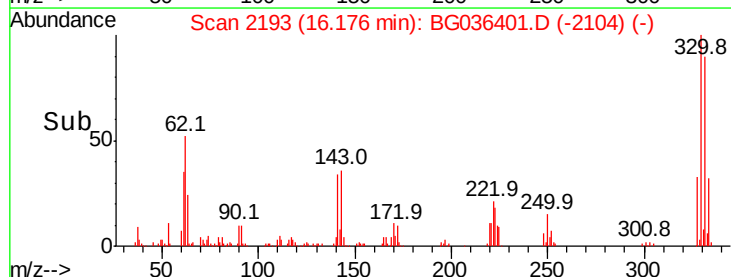
141 36.4 30.7 46.1

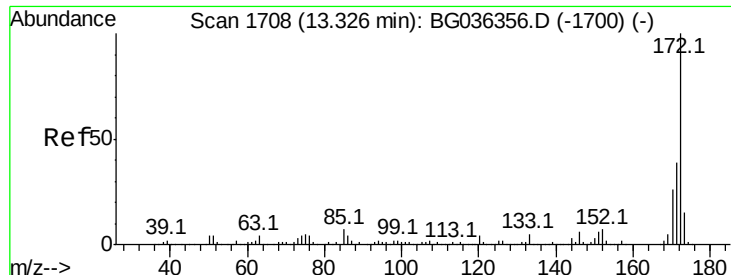


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

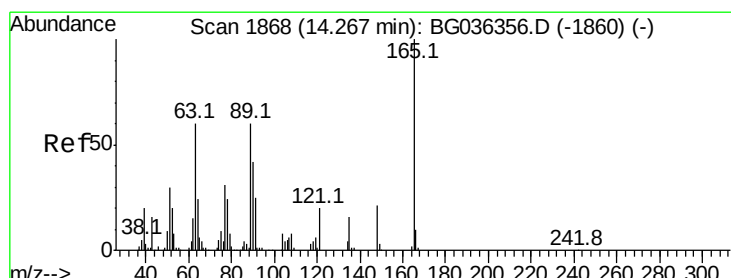
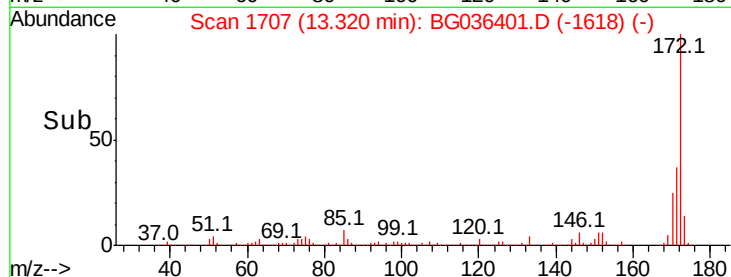
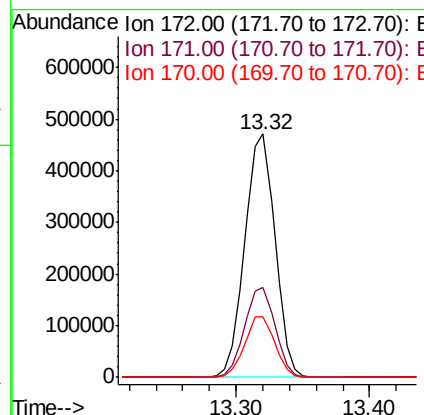
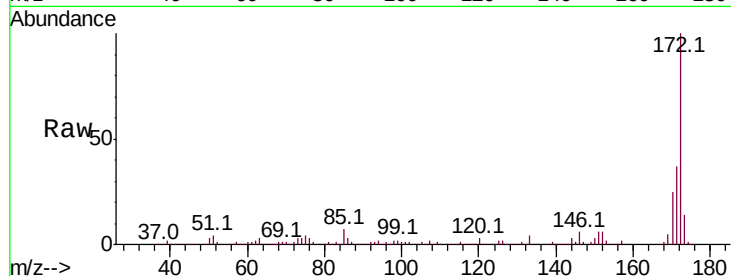




#44
 2-Fluorobiphenyl
 Concen: 78.160 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036401.D
 Acq: 24 Aug 2018 6:38

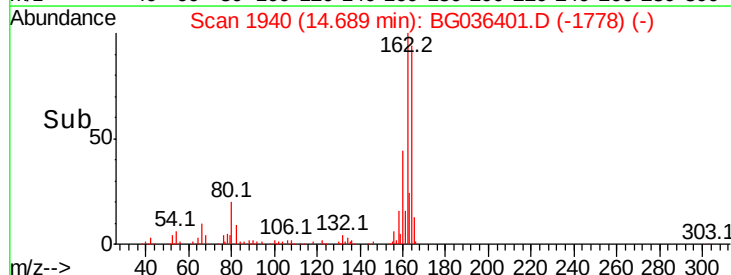
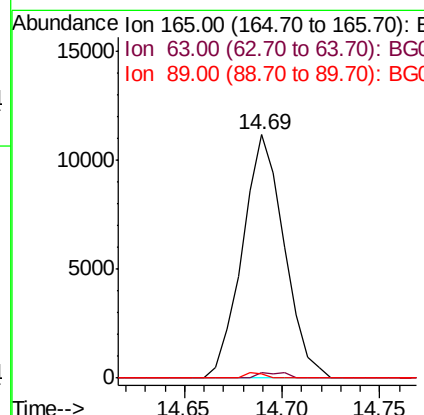
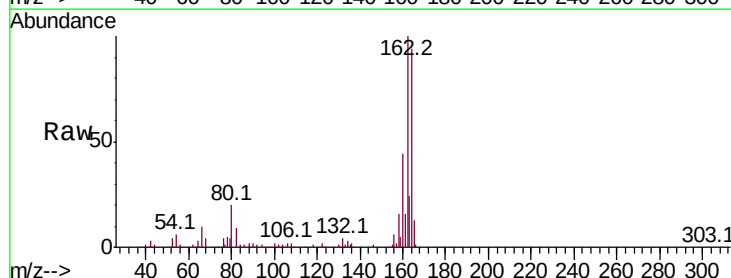
Instrument :
 BNA_G
 ClientSampleId :

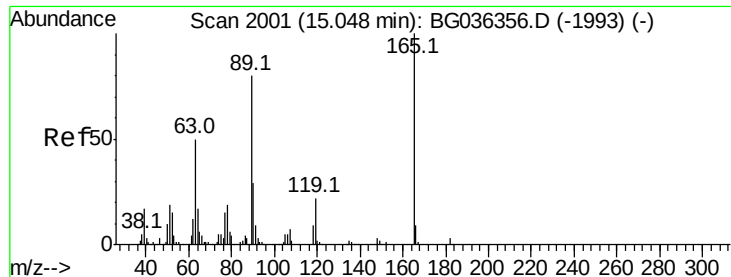
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.3	46.9
170	24.9	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.344 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036401.D
 Acq: 24 Aug 2018 6:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.1	75.1#
89	1.7	47.8	71.6#





#56

2,4-Dinitrotoluene

Concen: 5.635 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.36 min

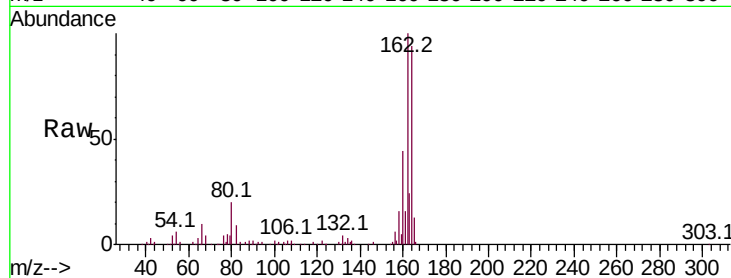
Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

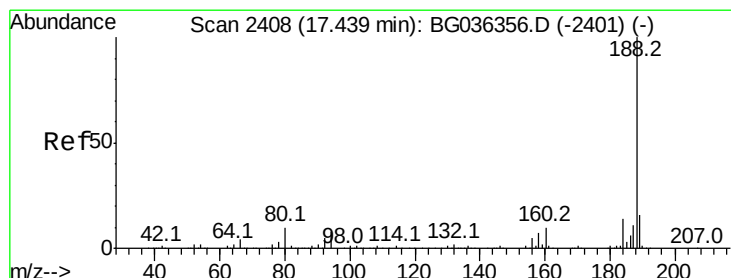
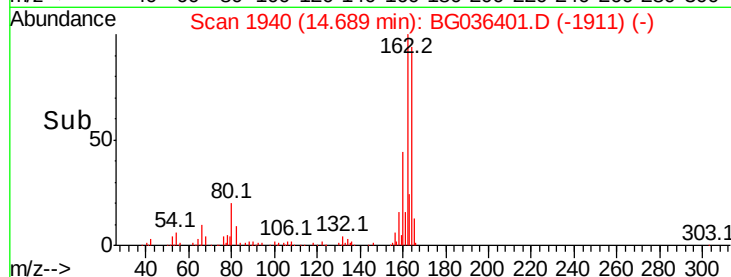
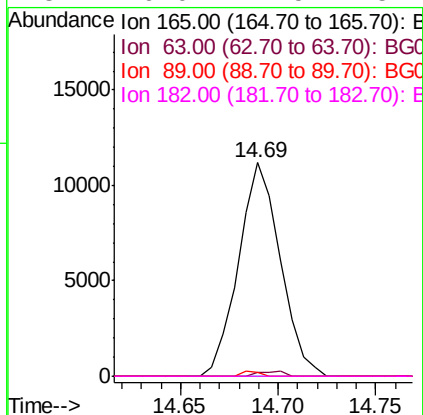
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	16587
Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.1	60.1#
89	1.7	63.7	95.5#
182	0.0	2.5	3.7#



#63

Phenanthrene-d10

Concen: 20.000 ng

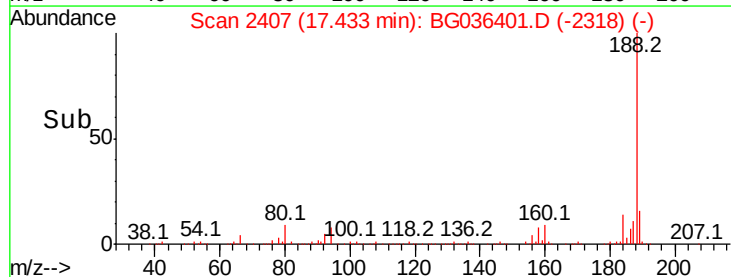
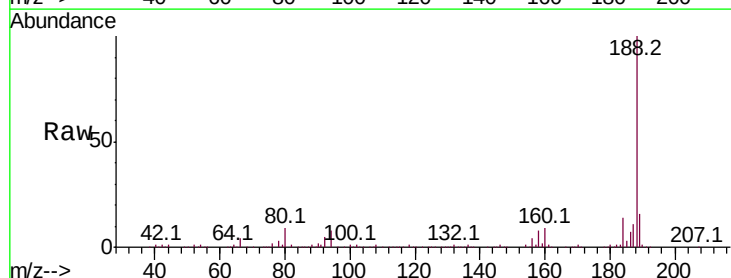
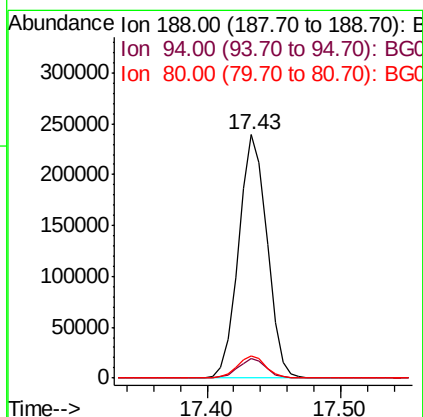
RT: 17.43 min Scan# 2407

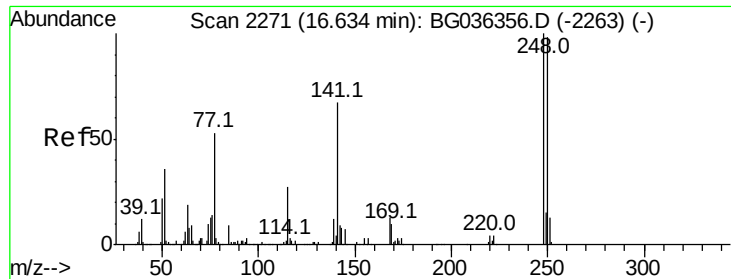
Delta R.T. -0.01 min

Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

Tgt Ion:	188	Resp:	351416
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.3	8.1	12.1

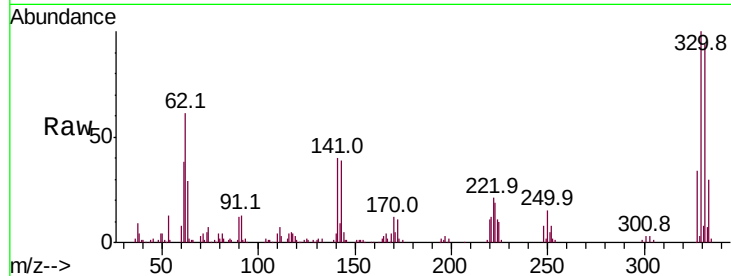




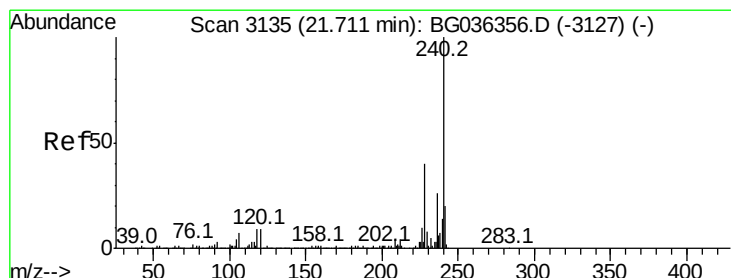
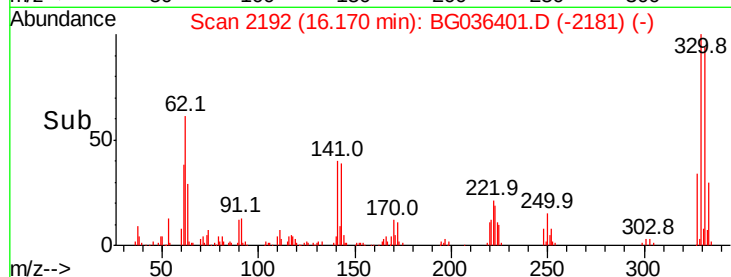
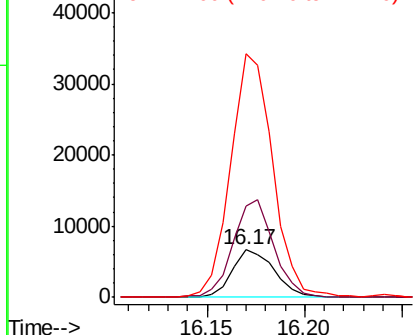
#66
 4-Bromophenyl-phenylether
 Concen: 2.427 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.46 min
 Lab File: BG036401.D
 Acq: 24 Aug 2018 6:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 9987
 Ion Ratio Lower Upper
 248 100
 250 191.7 78.1 117.1#
 141 510.6 53.7 80.5#

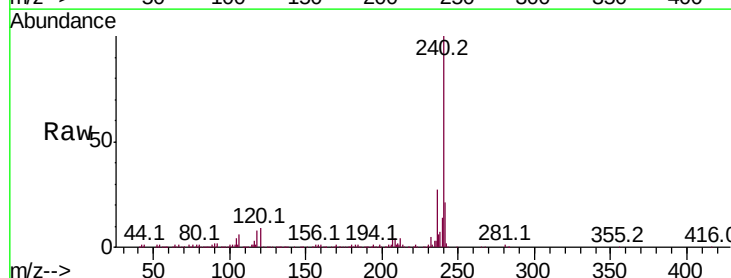


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

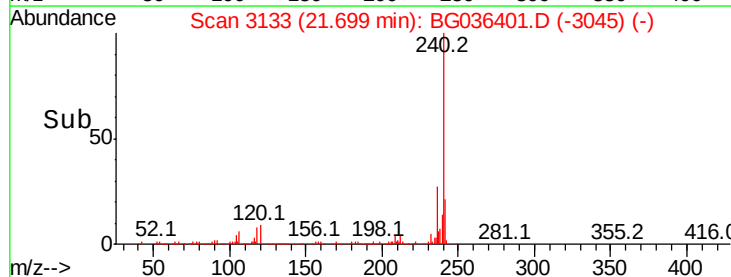
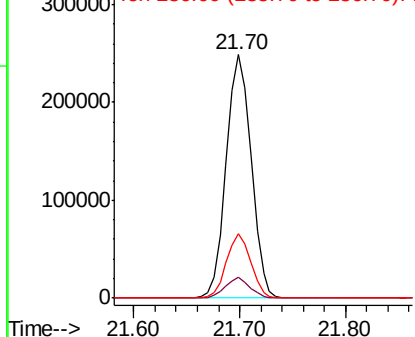


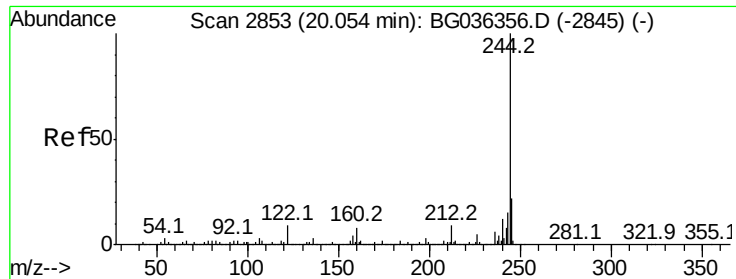
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG036401.D
 Acq: 24 Aug 2018 6:38

Tgt Ion:240 Resp: 408068
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.9 10.3
 236 26.6 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





#78

Terphenyl-d14

Concen: 72.282 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG036401.D

Acq: 24 Aug 2018 6:38

Instrument :

BNA_G

ClientSampleId :

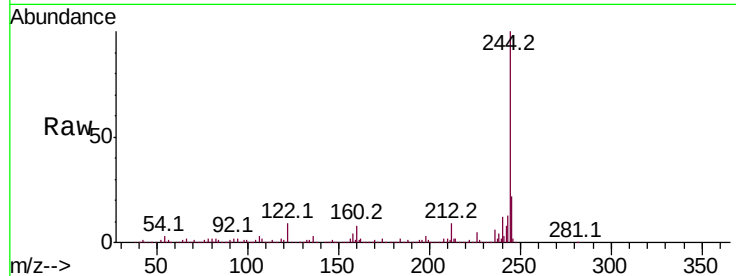
Tot Ion:244 Resp: 1261944

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

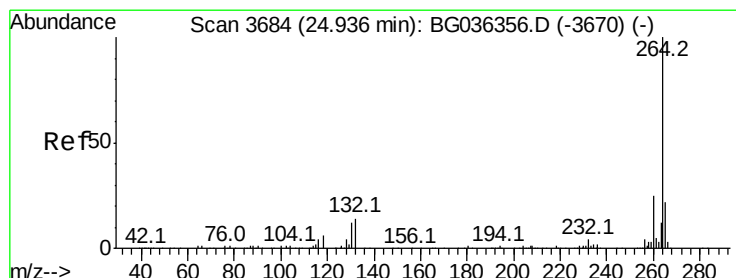
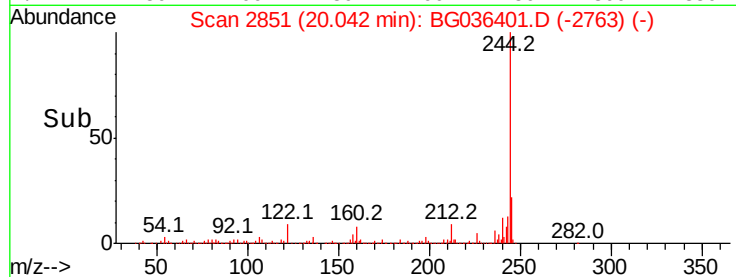
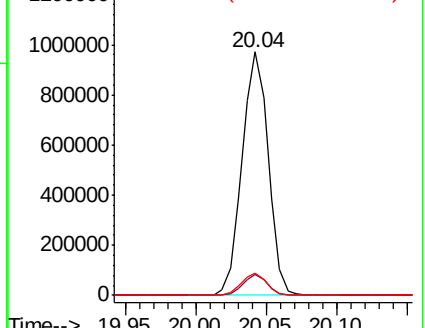
122 9.2 7.1 10.7



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: BG036401.D

Acq: 24 Aug 2018 6:38

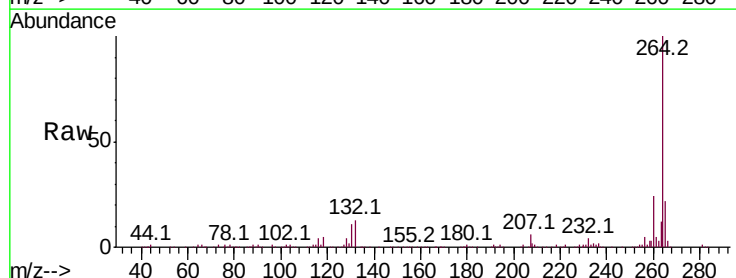
Tgt Ion:264 Resp: 407994

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.9 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

