

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090618\
 Data File : BG036592.D
 Acq On : 7 Sep 2018 11:50
 Operator : JU/SJ
 Sample : PB112623BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 16:18:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

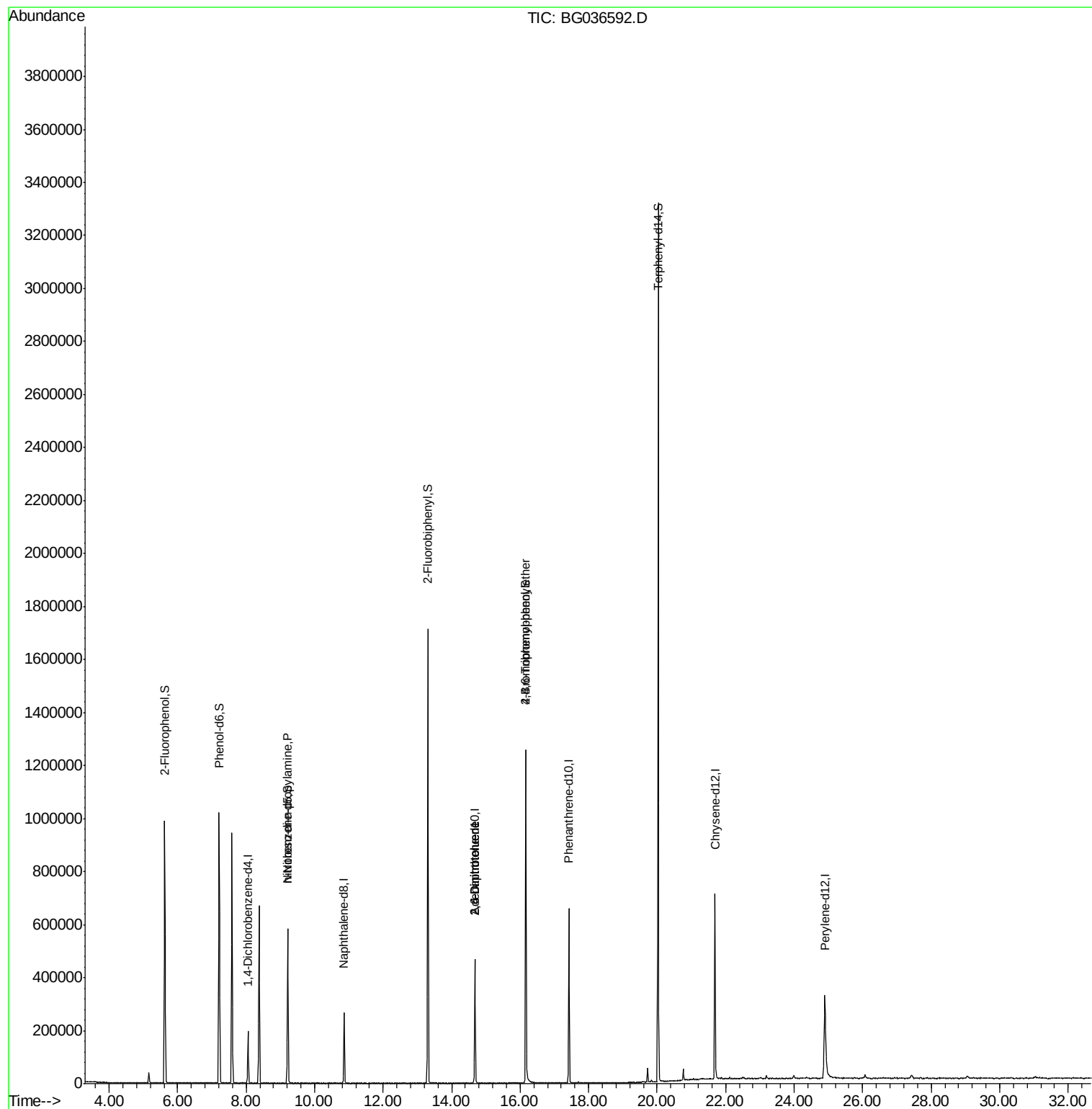
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	53500	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	229960	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	163573	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	419170	20.00	ng	0.00
75) Chrysene-d12	21.69	240	445413	20.00	ng	0.00
86) Perylene-d12	24.89	264	416489	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	408795	121.21	ng	0.00
7) Phenol-d6	7.21	99	584947	121.14	ng	0.00
23) Nitrobenzene-d5	9.21	82	354817	83.72	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	234972	120.39	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	869480	75.90	ng	0.00
78) Terphenyl-d14	20.03	244	1513379	79.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	45716	12.668	ng	# 72
50) 2,6-Dinitrotoluene	14.68	165	20487	7.454	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	20487	5.719	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	17223	3.509	ng	# 1

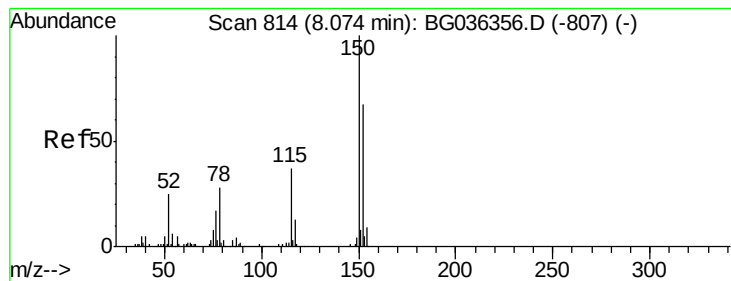
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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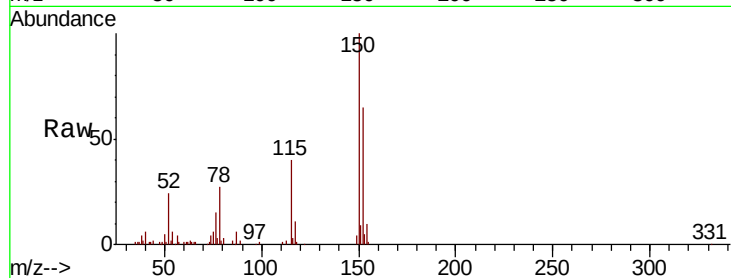




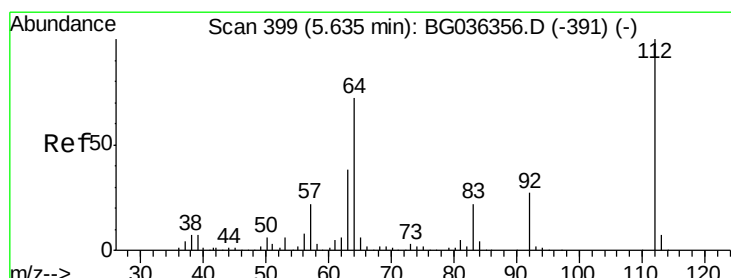
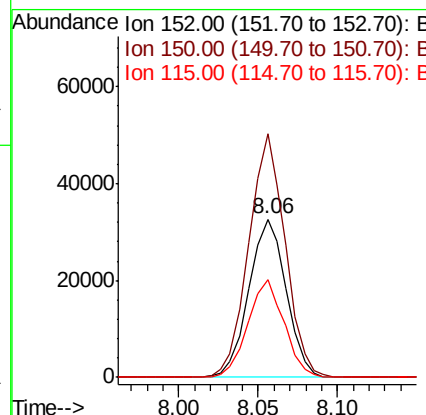
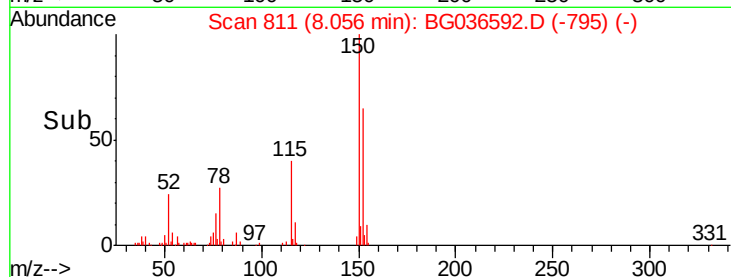
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036592.D
 Acq: 7 Sep 2018 11:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 53500
 Ion Ratio Lower Upper
 152 100
 150 154.1 119.5 179.3
 115 61.5 44.5 66.7

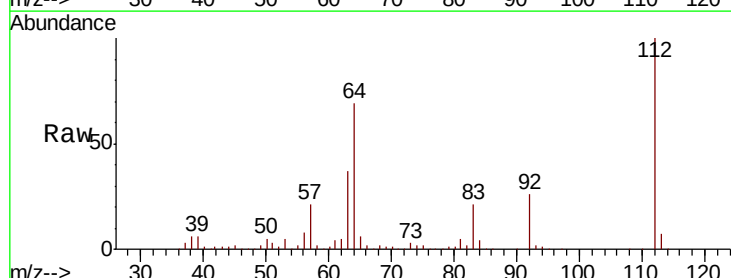


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

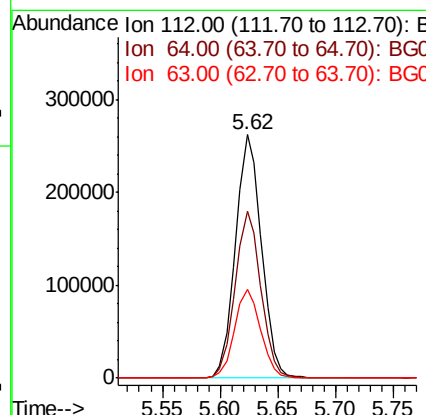
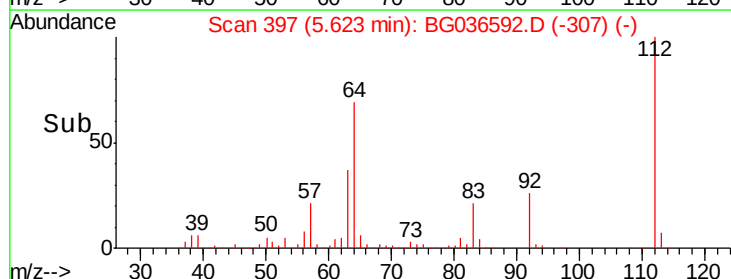


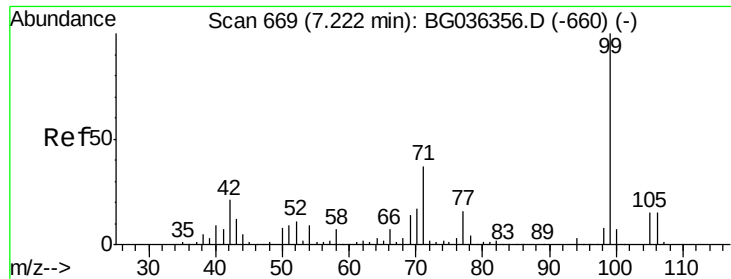
#5
 2-Fluorophenol
 Concen: 121.209 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036592.D
 Acq: 7 Sep 2018 11:50

Tgt Ion:112 Resp: 408795
 Ion Ratio Lower Upper
 112 100
 64 68.5 57.2 85.8
 63 36.6 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: 121.138 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

Instrument :

BNA_G

ClientSampleId :

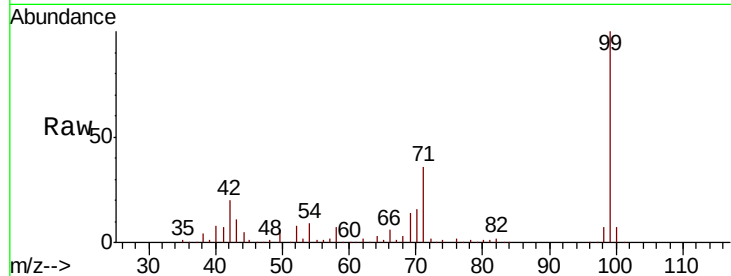
Tot Ion: 99 Resp: 584947

Ion Ratio Lower Upper

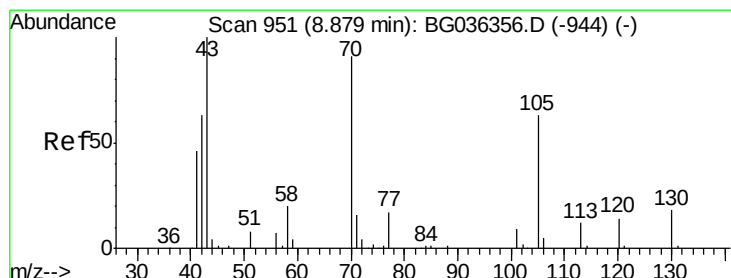
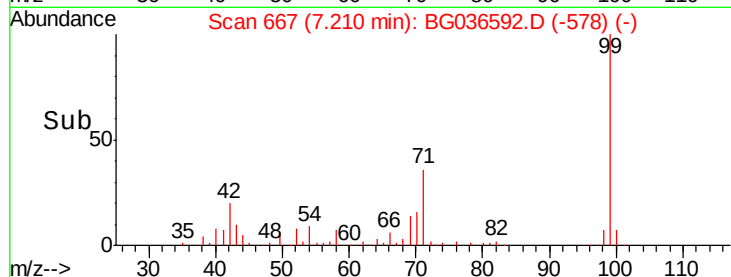
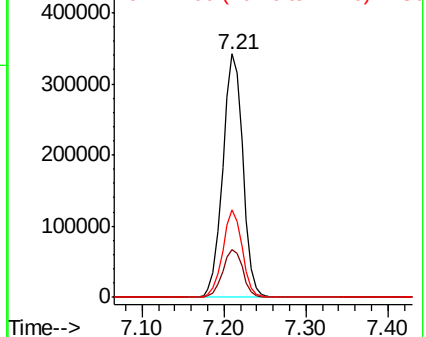
99 100

42 19.9 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: 12.668 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

Tgt Ion: 70 Resp: 45716

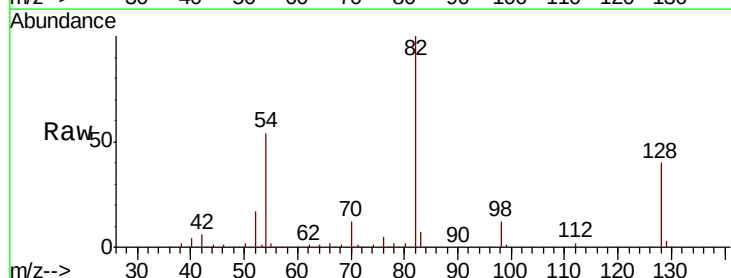
Ion Ratio Lower Upper

70 100

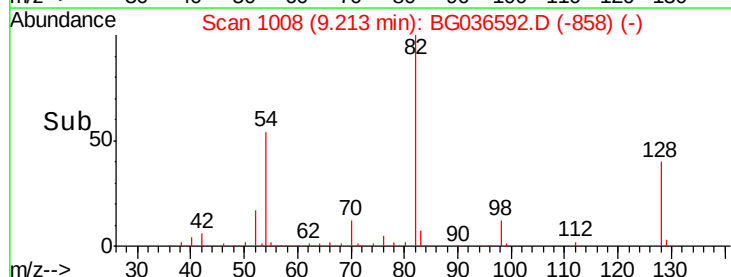
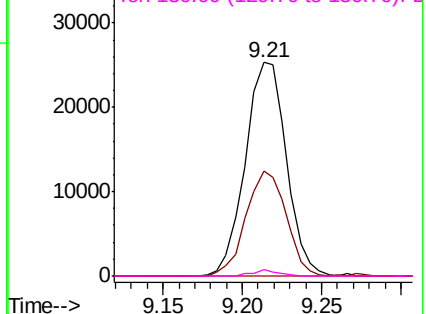
42 49.2 56.2 84.4#

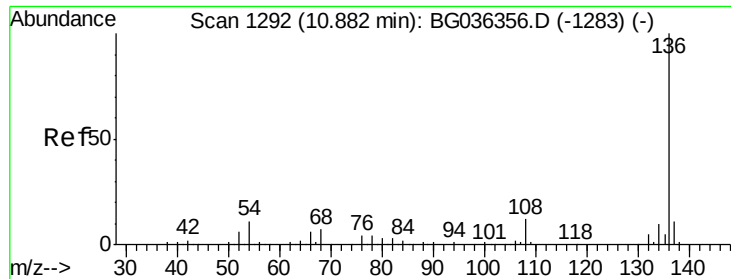
101 0.0 7.8 11.6#

130 3.3 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

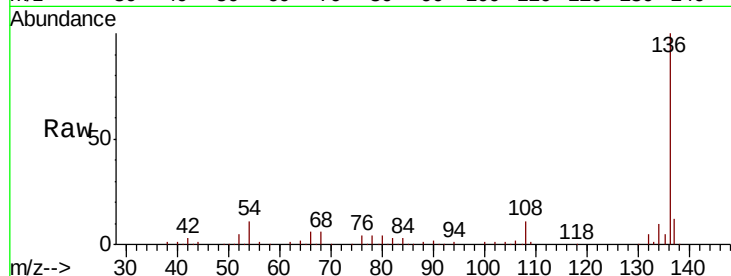




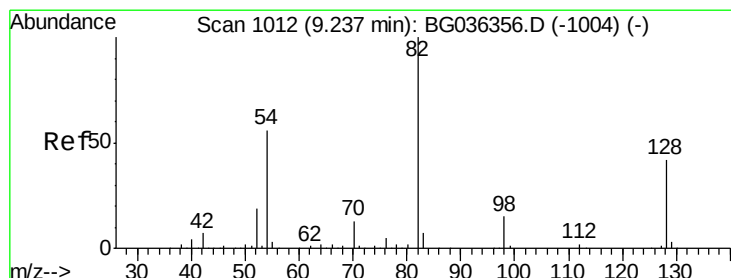
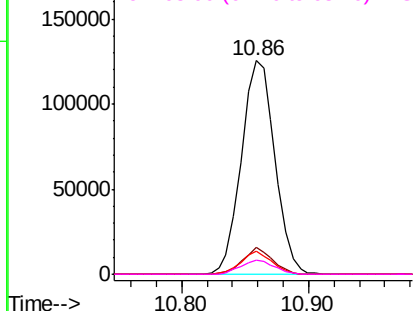
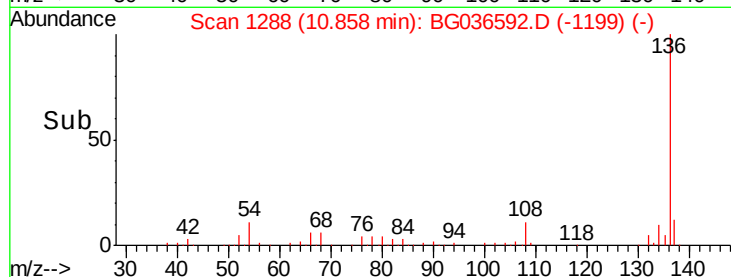
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	229960
Ion Ratio	Lower	Upper
136 100		
137 12.4	8.8	13.2
54 10.6	9.2	13.8
68 6.4	5.8	8.6

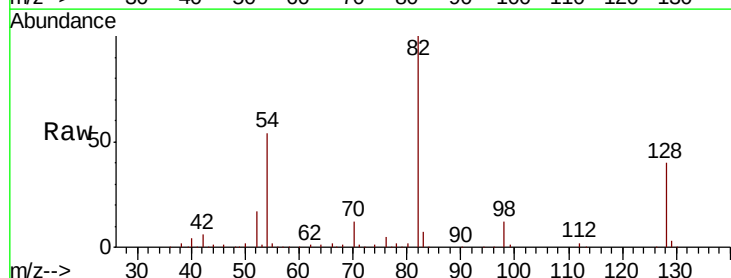


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

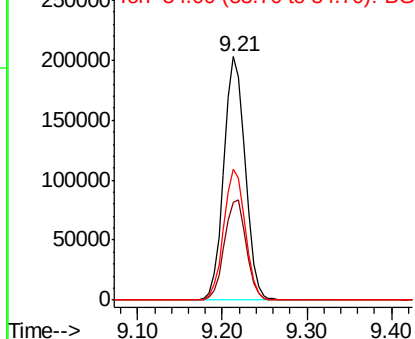
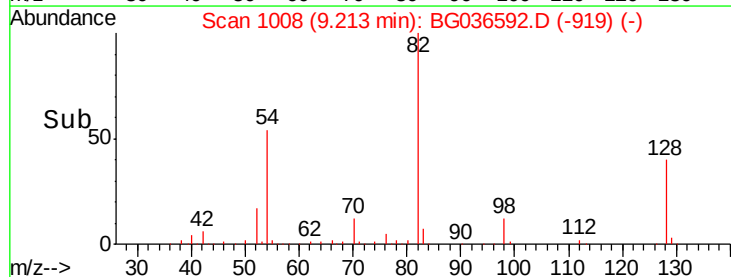


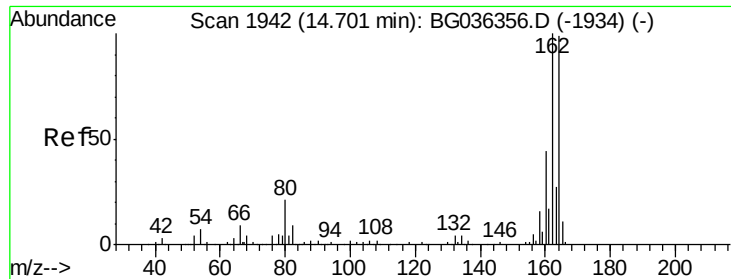
#23
Nitrobenzene-d5
Concen: 83.715 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Tgt Ion: 82	Resp: 354817
Ion Ratio	Lower Upper
82 100	
128 40.2	33.3 49.9
54 53.7	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

Instrument :

BNA_G

ClientSampled :

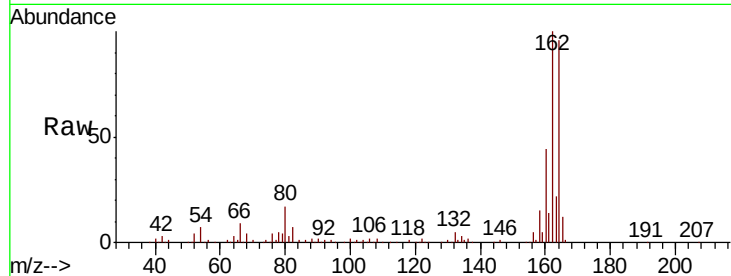
Tot Ion:164 Resp: 163573

Ion Ratio Lower Upper

164 100

162 103.9 80.7 121.1

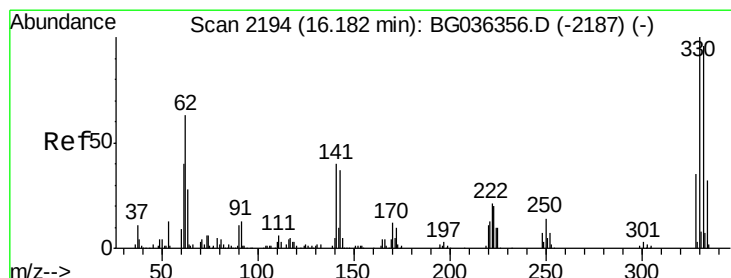
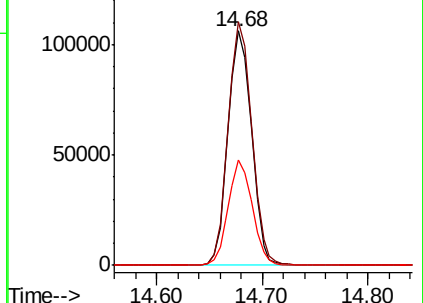
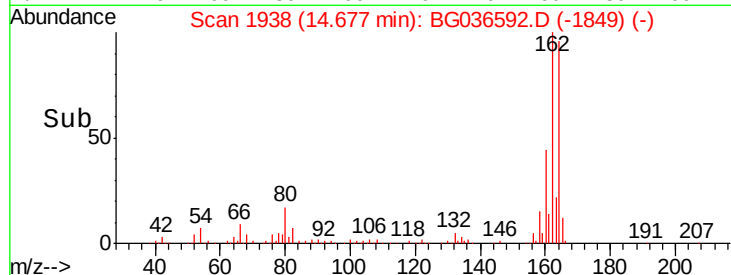
160 45.2 35.3 52.9



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: 120.388 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

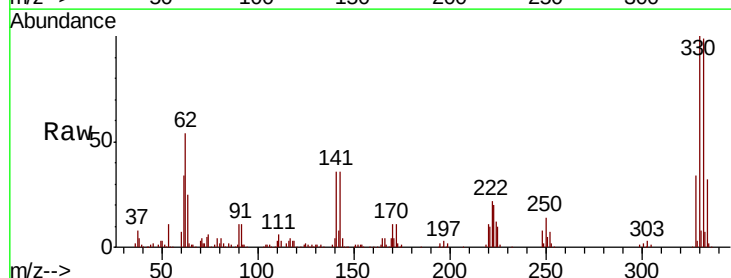
Tgt Ion:330 Resp: 234972

Ion Ratio Lower Upper

330 100

332 99.1 75.4 113.2

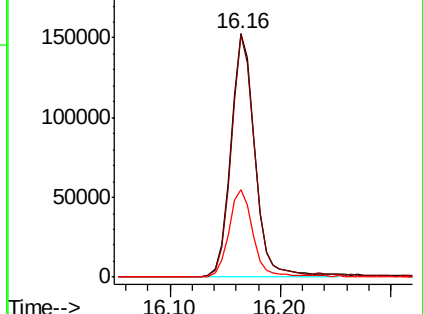
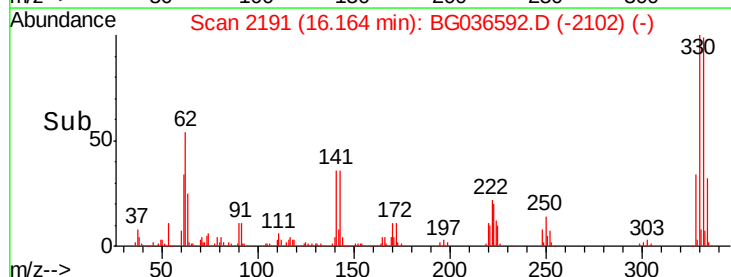
141 36.3 30.7 46.1

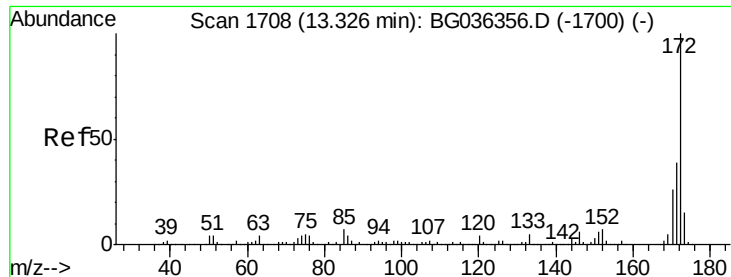


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

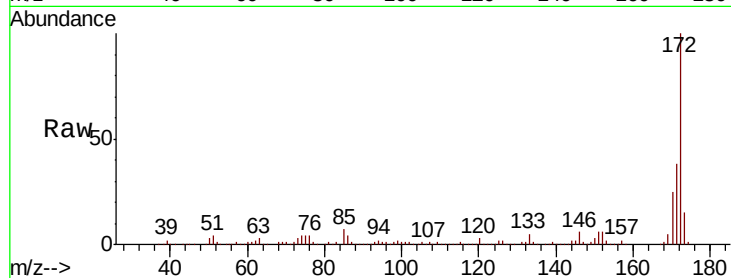




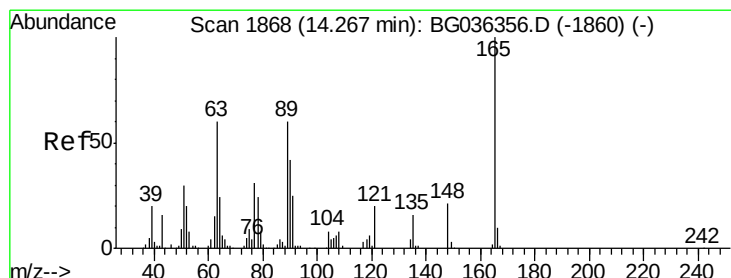
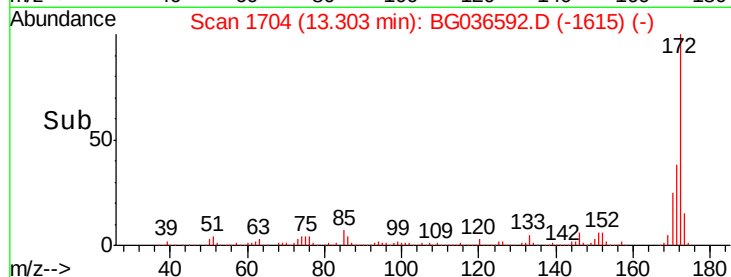
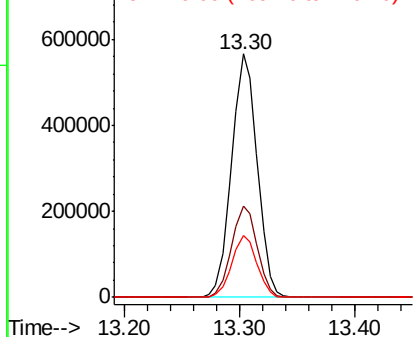
#44
2-Fluorobiphenyl
Concen: 75.896 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 869480
Ion Ratio Lower Upper
172 100
171 37.5 31.3 46.9
170 25.5 21.0 31.6

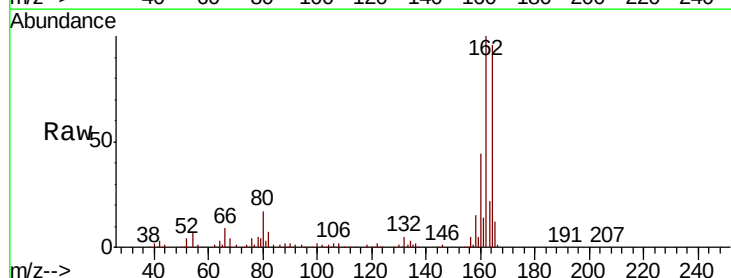


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

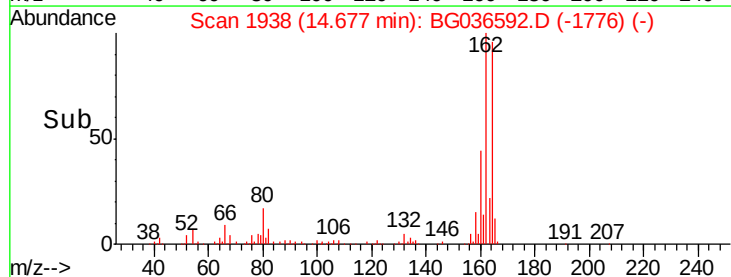
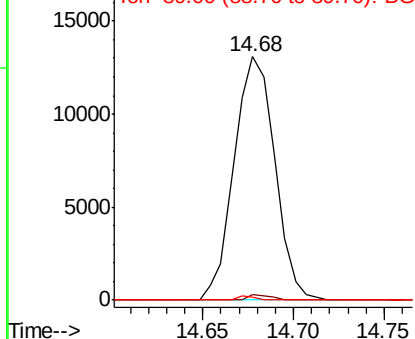


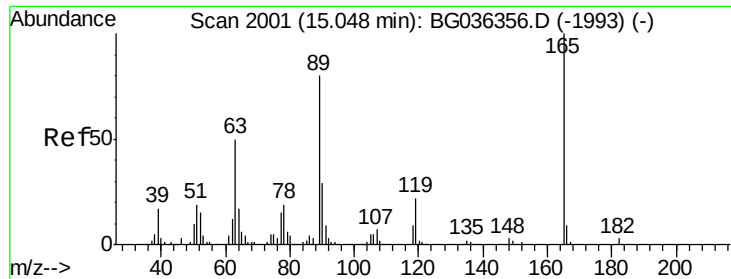
#50
2,6-Dinitrotoluene
Concen: 7.454 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Tgt Ion:165 Resp: 20487
Ion Ratio Lower Upper
165 100
63 2.1 50.1 75.1#
89 1.5 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

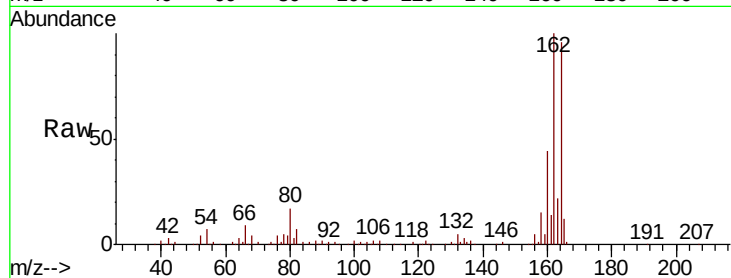




#56
2,4-Dinitrotoluene
Concen: 5.719 ng
RT: 14.68 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.1	60.1#
89	1.5	63.7	95.5#
182	0.0	2.5	3.7#

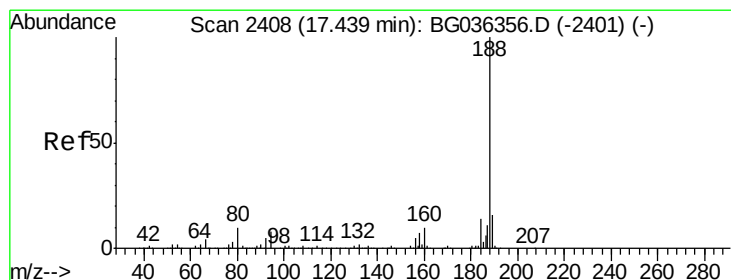
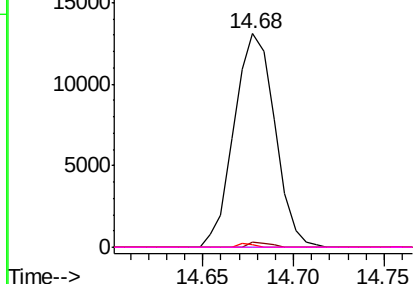
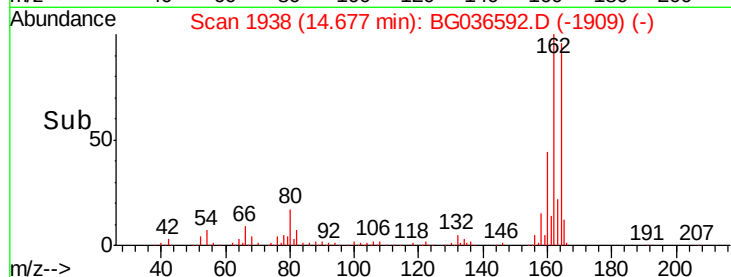


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

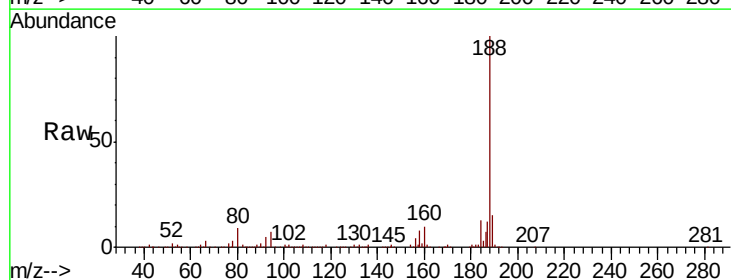
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

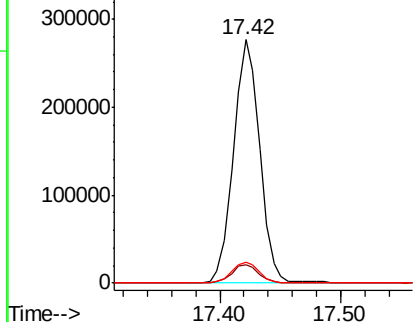
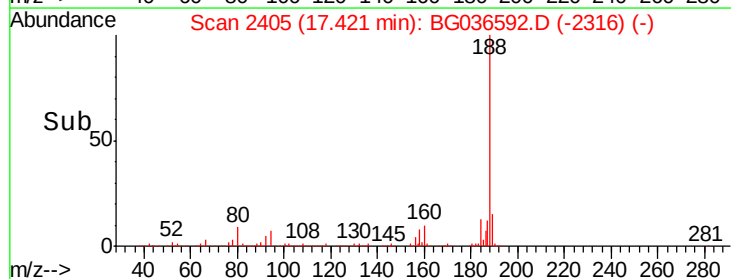
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	8.8	8.1	12.1

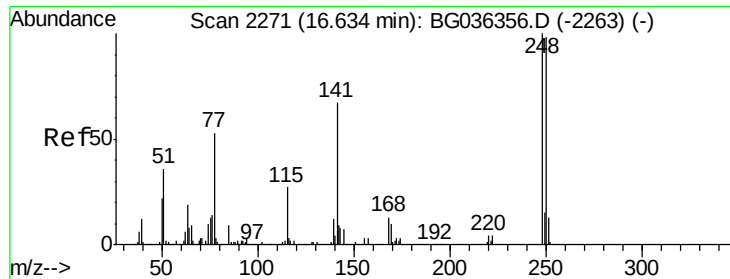


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

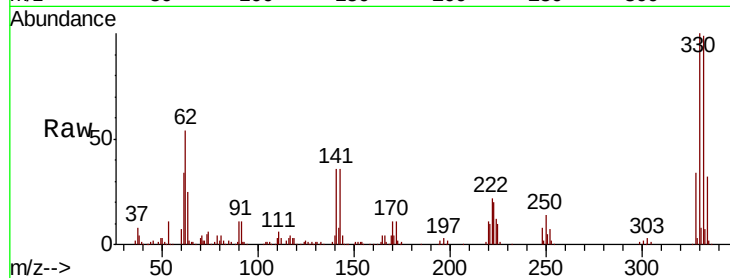




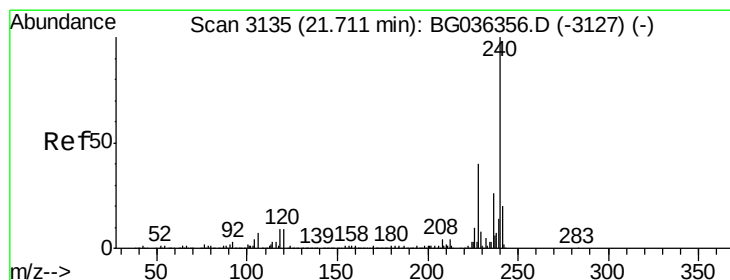
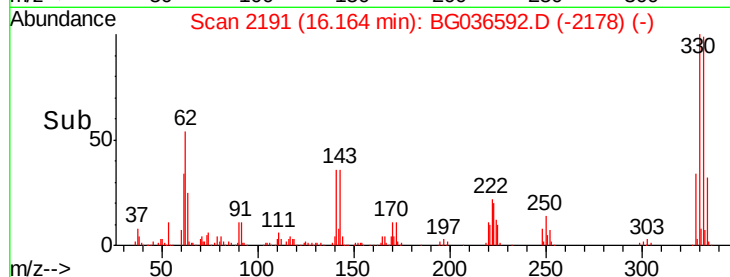
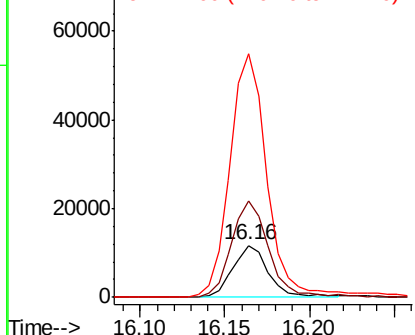
#66
4-Bromophenyl-phenylether
Concen: 3.509 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17223
Ion Ratio Lower Upper
248 100
250 184.3 78.1 117.1#
141 468.0 53.7 80.5#

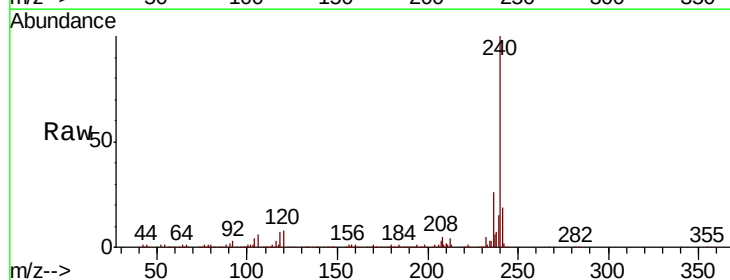


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

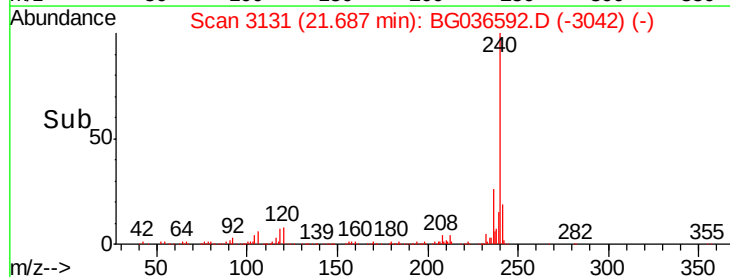
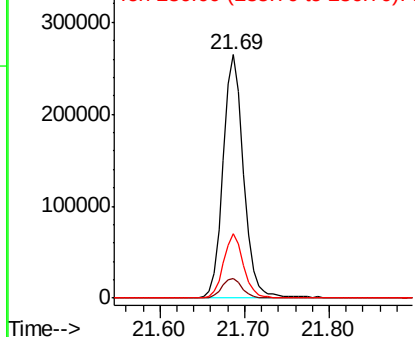


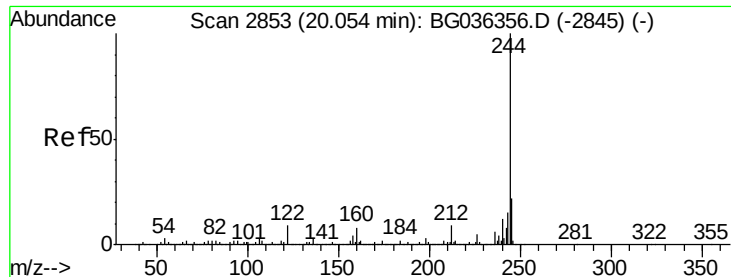
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036592.D
Acq: 7 Sep 2018 11:50

Tgt Ion:240 Resp: 445413
Ion Ratio Lower Upper
240 100
120 8.1 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





#78

Terphenyl-d14

Concen: 79.416 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

Instrument :

BNA_G

ClientSampled :

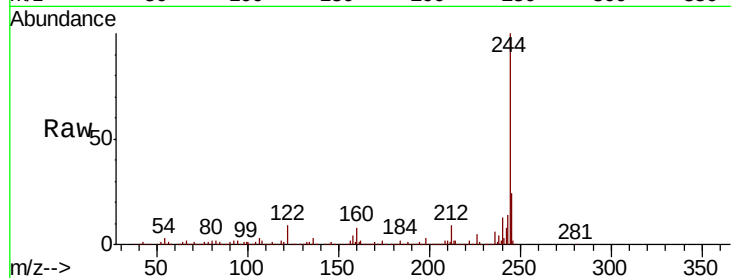
Tot Ion:244 Resp: 1513379

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.2	7.1	10.7

244 100

212 8.9 7.0 10.6

122 9.2 7.1 10.7

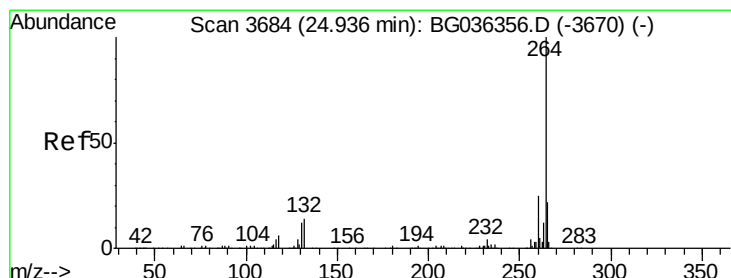
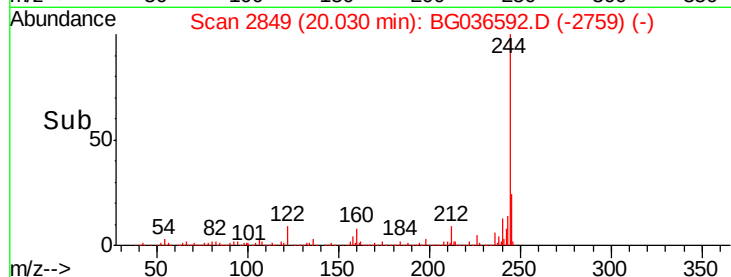
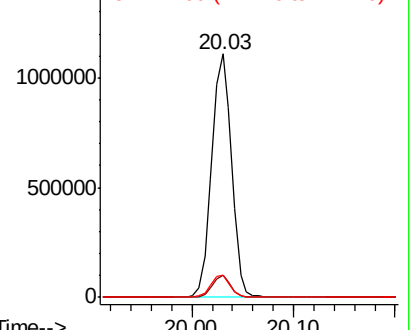


Abundance

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: 24.89 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG036592.D

Acq: 7 Sep 2018 11:50

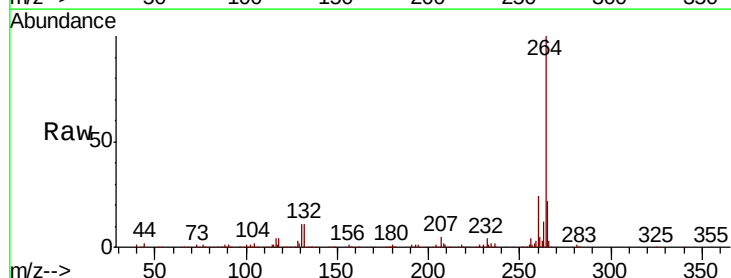
Tgt Ion:264 Resp: 416489

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.5	17.4	26.0

264 100

260 23.7 19.6 29.4

265 21.5 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

