

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036803.D
 Acq On : 19 Sep 2018 2:19
 Operator : JU/SJ
 Sample : PB112954BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 05:55:47 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

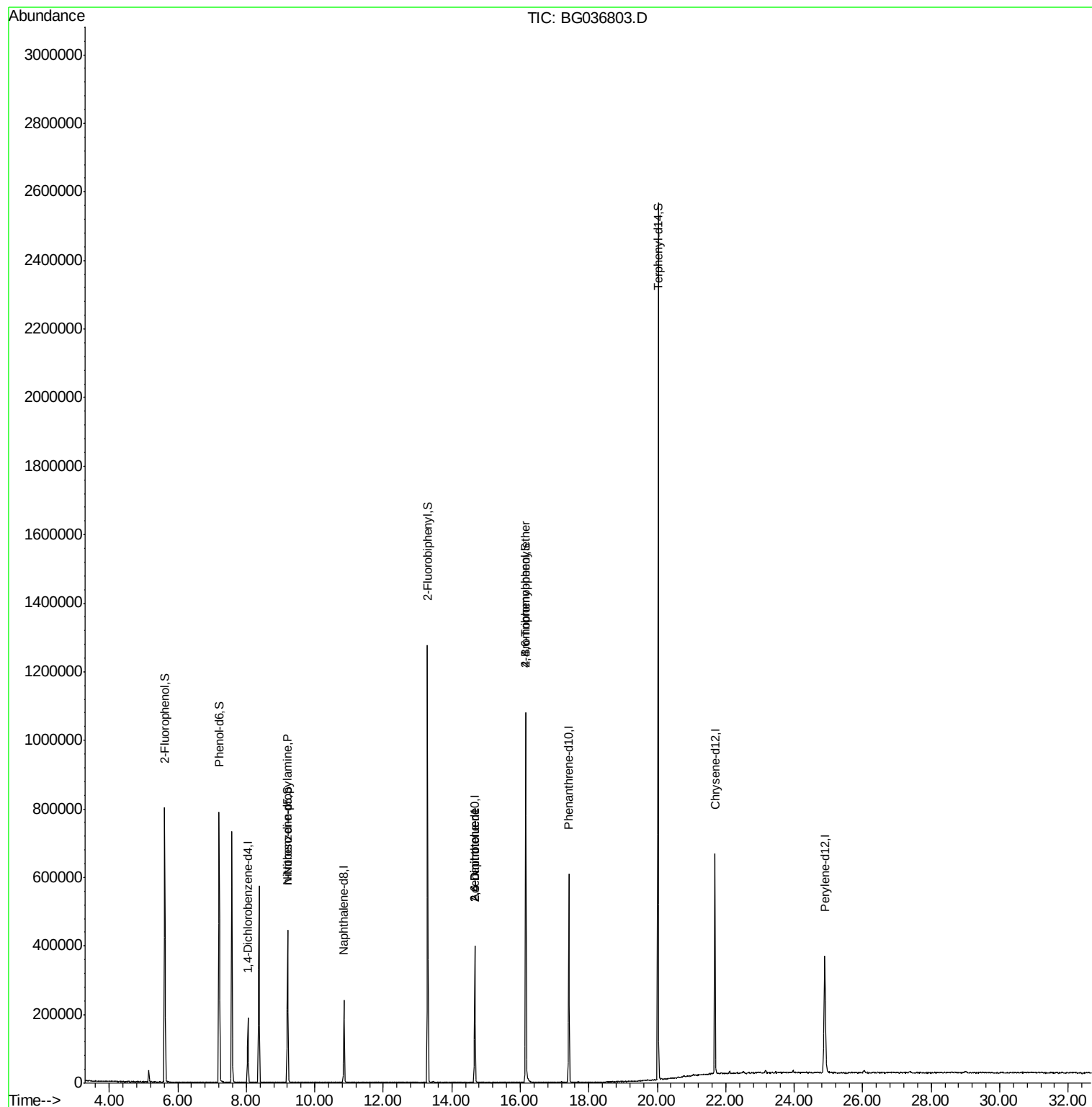
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	52803	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	206843	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	139652	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	385091	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	401846	20.00	ng	-0.01
86) Perylene-d12	24.89	264	385059	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	327192	98.29	ng	0.00
7) Phenol-d6	7.21	99	456426	95.77	ng	-0.01
23) Nitrobenzene-d5	9.21	82	279016	73.19	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	210083	126.07	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	660620	67.54	ng	-0.02
78) Terphenyl-d14	20.03	244	1240360	72.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	35787	10.047	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	18240	7.773	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	18240	5.964	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	14387	3.191	ng	# 1

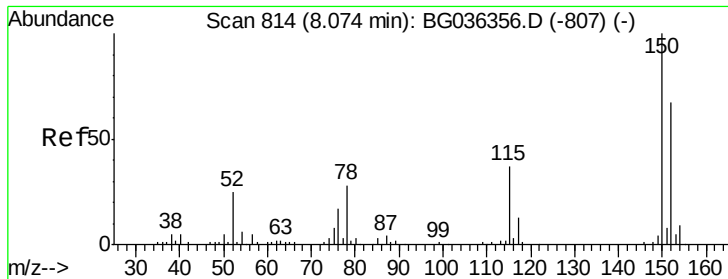
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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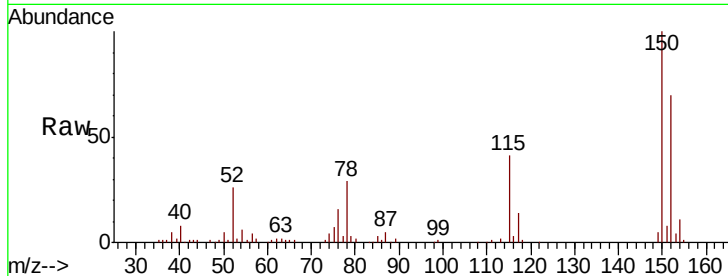


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.02 min
Lab File: BG036803.D
Acq: 19 Sep 2018 2:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.2	119.5	179.3
115	58.8	44.5	66.7

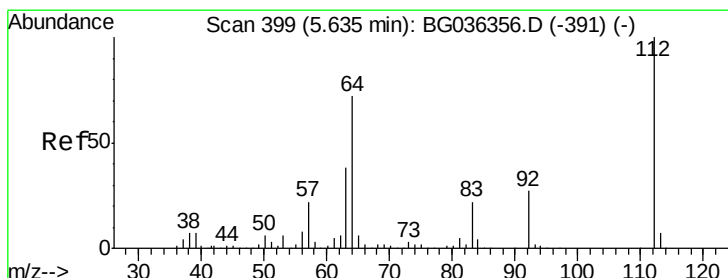
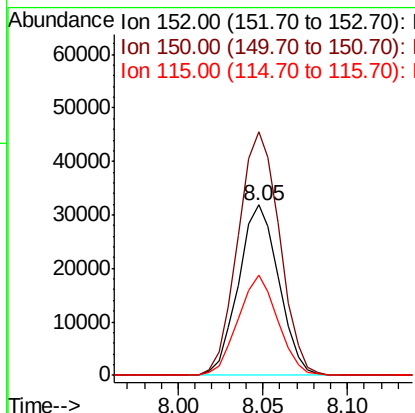
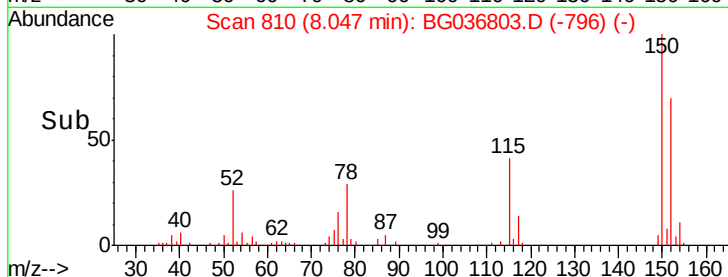


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

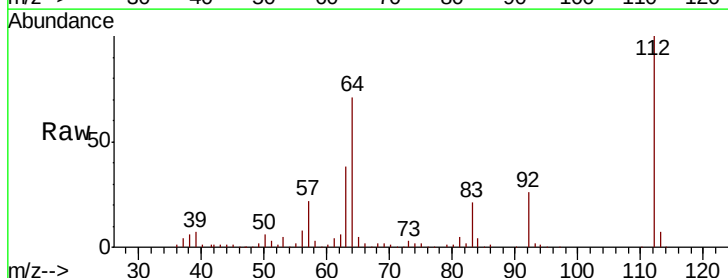
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.294 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036803.D
Acq: 19 Sep 2018 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	57.2	85.8
63	38.4	30.8	46.2

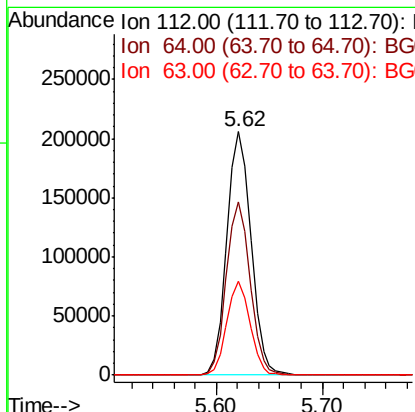
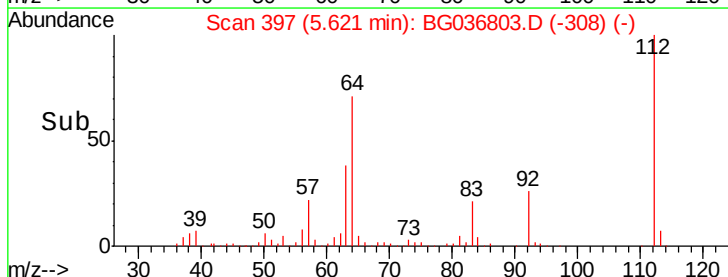


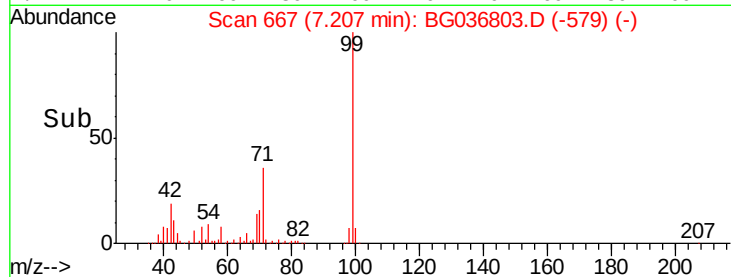
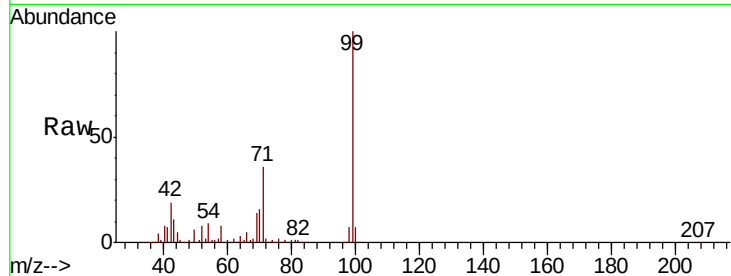
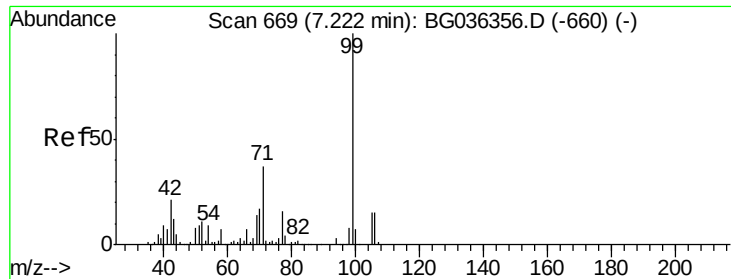
Abundance

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: 95.770 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036803.D

Acq: 19 Sep 2018 2:19

Instrument :

BNA_G

ClientSampleId :

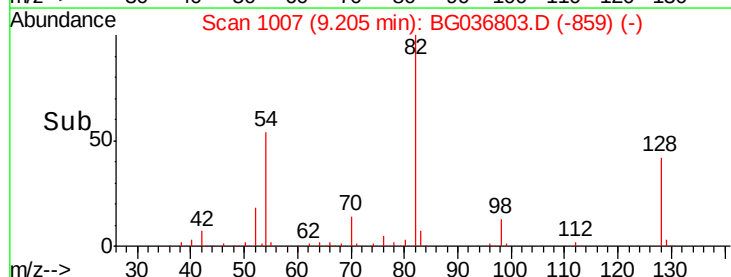
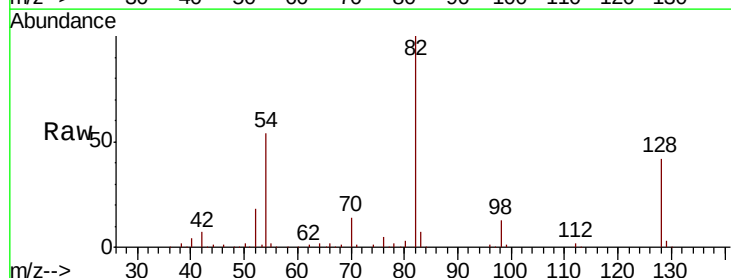
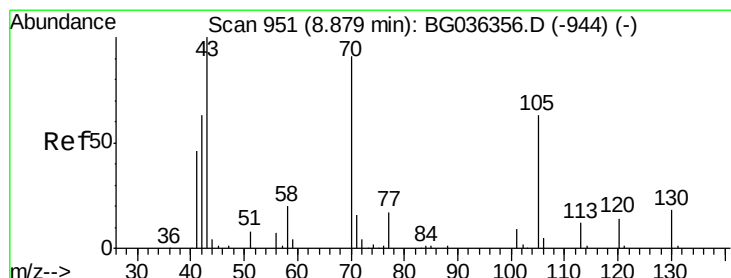
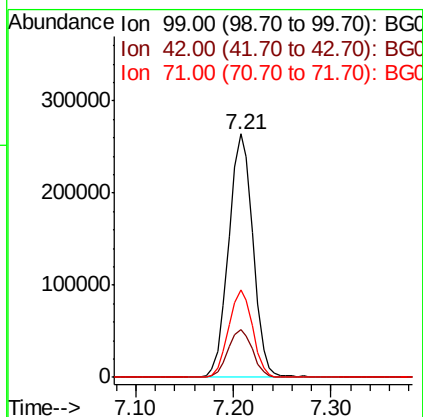
Tot Ion: 99 Resp: 456426

Ion Ratio Lower Upper

99 100

42 19.5 16.5 24.7

71 35.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.047 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.34 min

Lab File: BG036803.D

Acq: 19 Sep 2018 2:19

Tgt Ion: 70 Resp: 35787

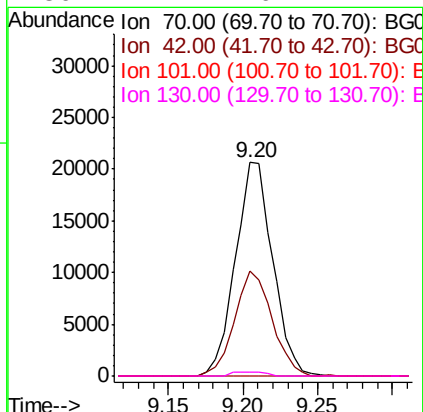
Ion Ratio Lower Upper

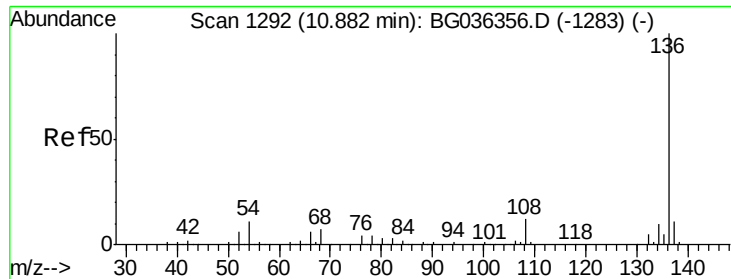
70 100

42 49.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#

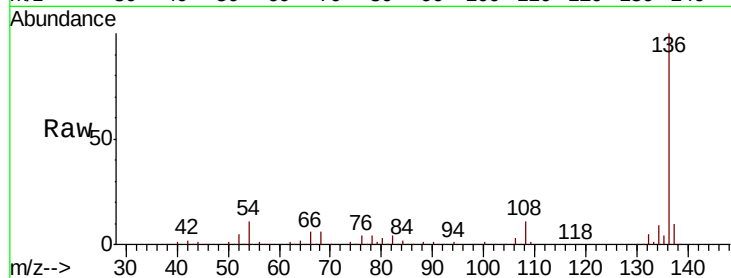




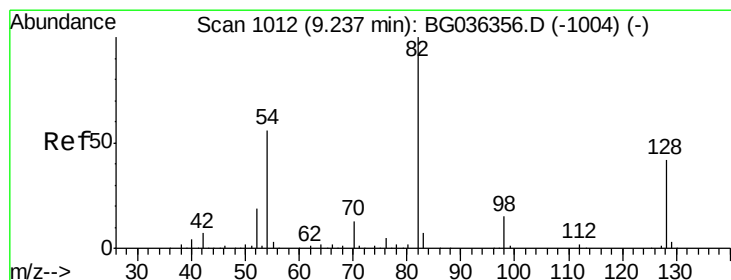
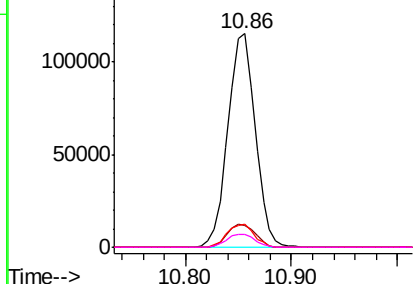
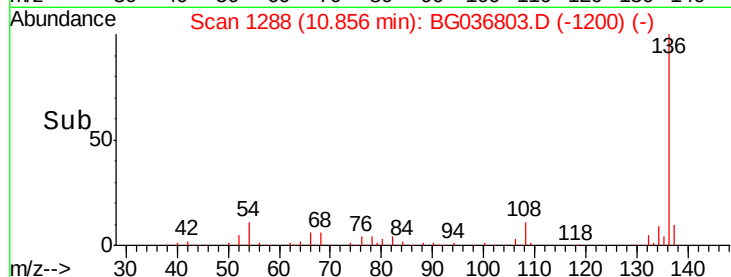
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036803.D
Acq: 19 Sep 2018 2:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	206843
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.8 13.2
54	10.5	9.2 13.8
68	5.9	5.8 8.6

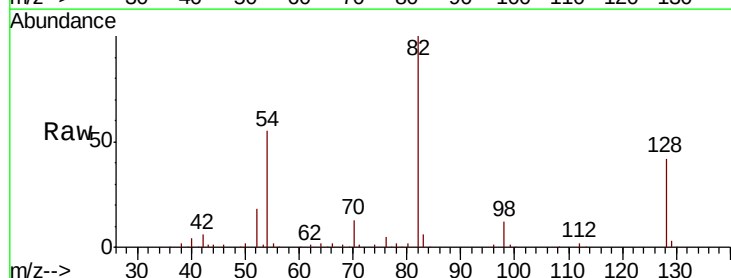


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

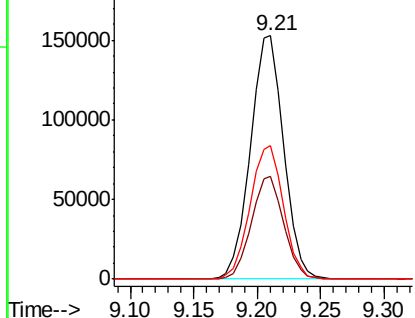
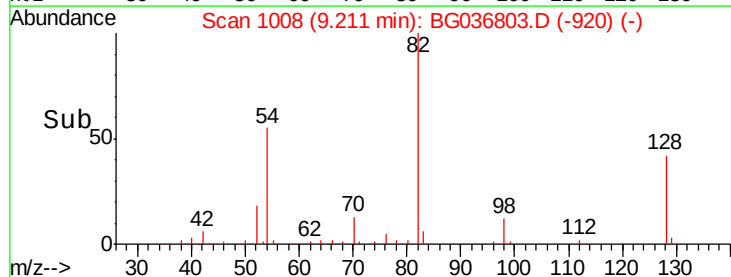


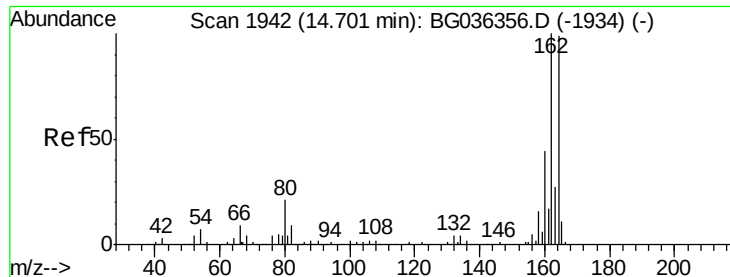
#23
Nitrobenzene-d5
Concen: 73.188 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036803.D
Acq: 19 Sep 2018 2:19

Tgt Ion: 82	Resp:	279016
Ion Ratio	Lower	Upper
82	100	
128	42.4	33.3 49.9
54	54.8	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: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036803.D

Acq: 19 Sep 2018 2:19

Instrument :

BNA_G

ClientSampled :

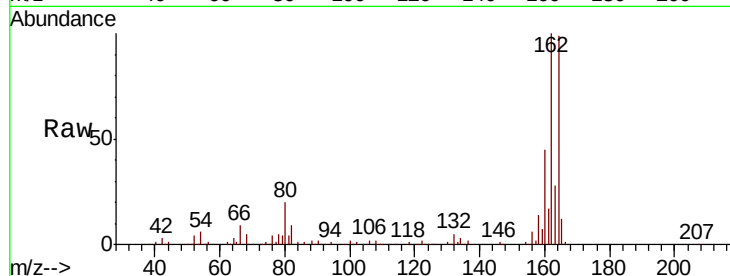
Tot Ion:164 Resp: 139652

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

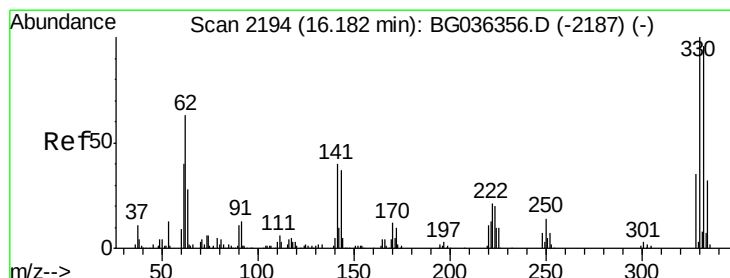
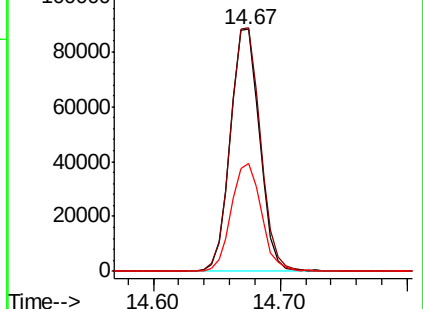
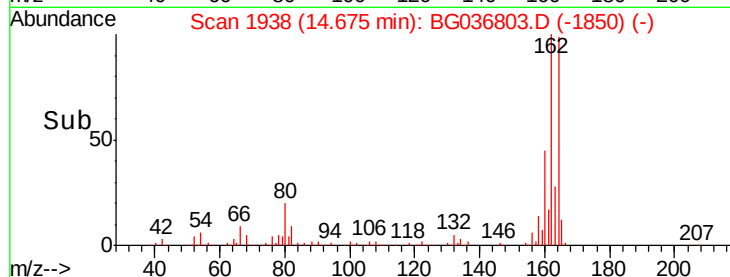
160 44.8 35.3 52.9



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: 126.073 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036803.D

Acq: 19 Sep 2018 2:19

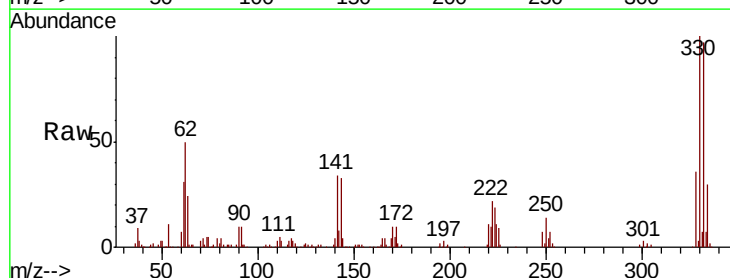
Tgt Ion:330 Resp: 210083

Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.2

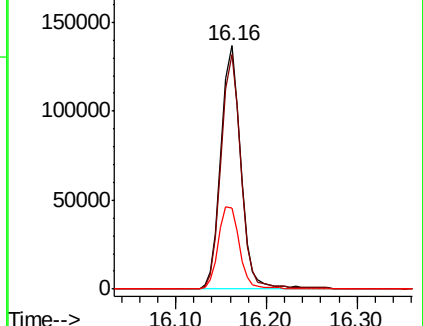
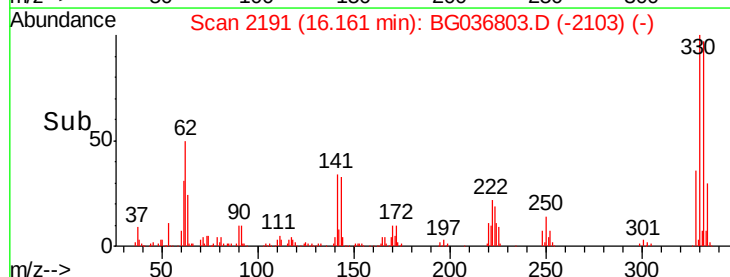
141 35.8 30.7 46.1

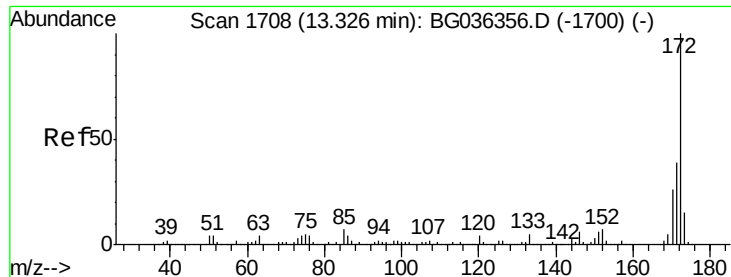


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

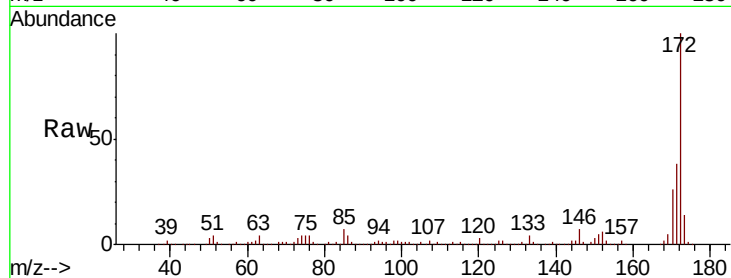




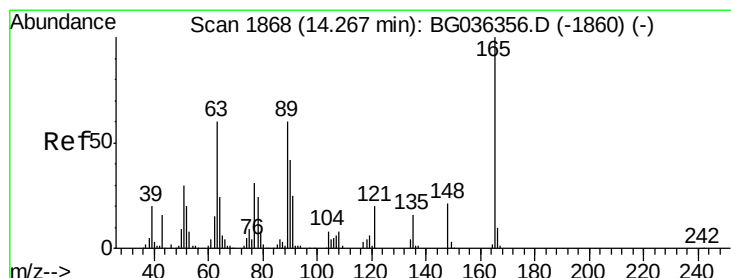
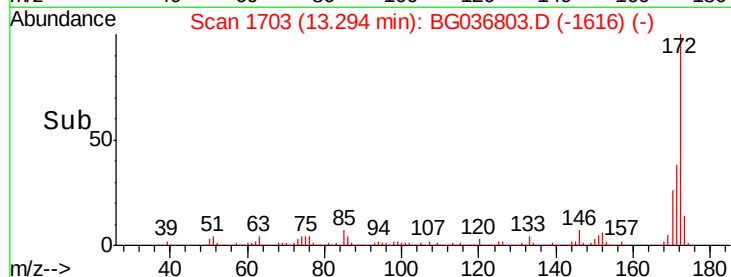
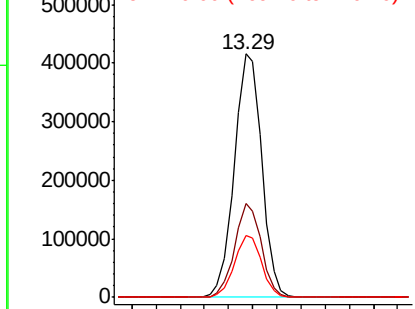
#44
 2-Fluorobiphenyl
 Concen: 67.543 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.02 min
 Lab File: BG036803.D
 Acq: 19 Sep 2018 2:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 660620
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.3 46.9
 170 25.5 21.0 31.6

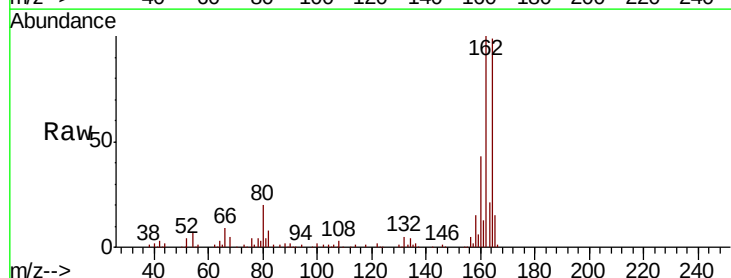


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

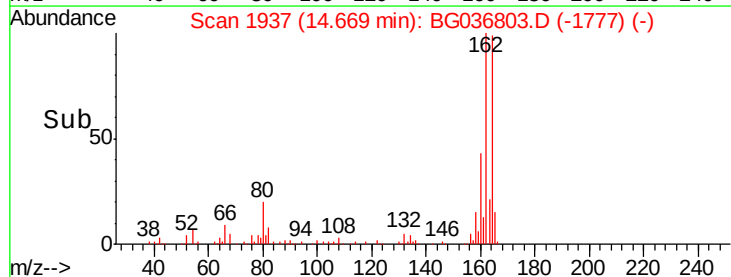
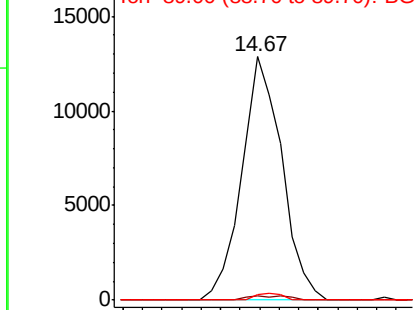


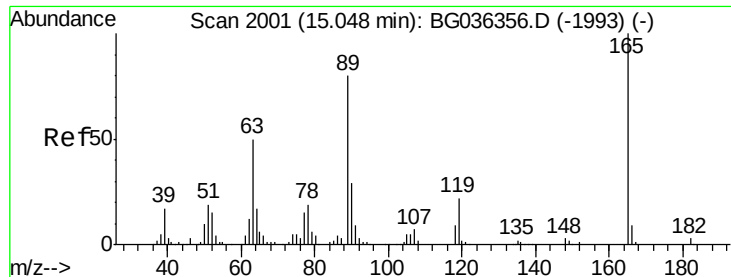
#50
 2,6-Dinitrotoluene
 Concen: 7.773 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036803.D
 Acq: 19 Sep 2018 2:19

Tgt Ion:165 Resp: 18240
 Ion Ratio Lower Upper
 165 100
 63 1.8 50.1 75.1#
 89 2.1 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

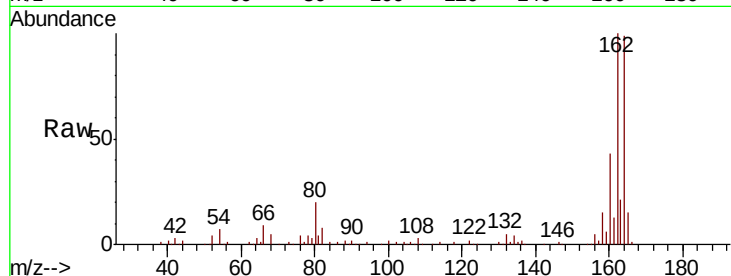




#56
 2,4-Dinitrotoluene
 Concen: 5.964 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036803.D
 Acq: 19 Sep 2018 2:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.1	60.1#
89	2.1	63.7	95.5#
182	0.0	2.5	3.7#



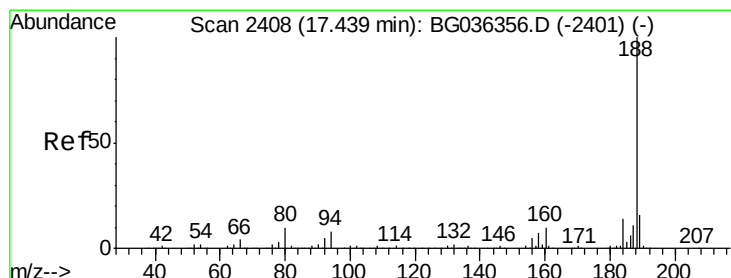
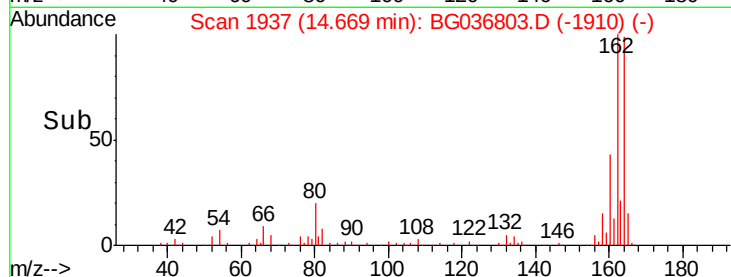
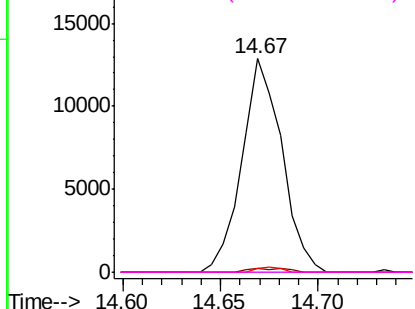
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

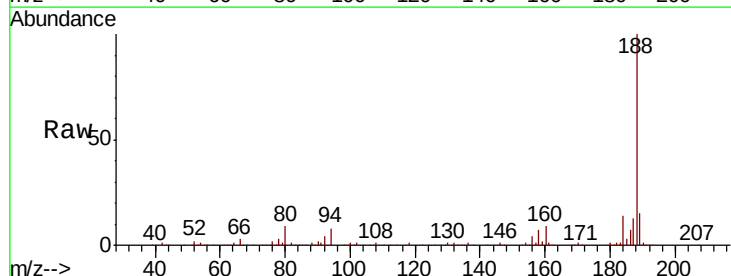
Ion 89.00 (88.70 to 89.70): BGC

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: BG036803.D
 Acq: 19 Sep 2018 2:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.5	8.1	12.1

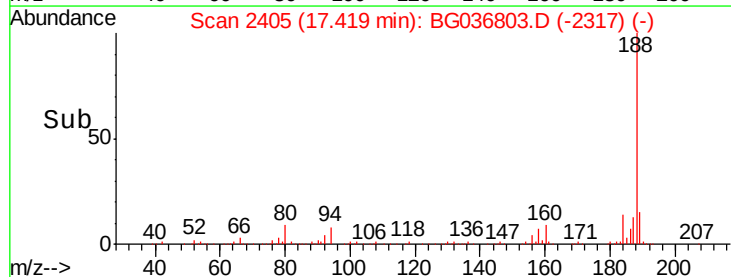
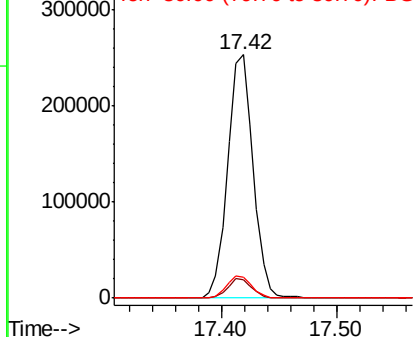


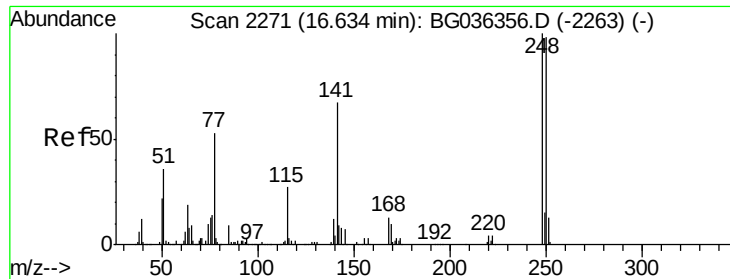
Abundance

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

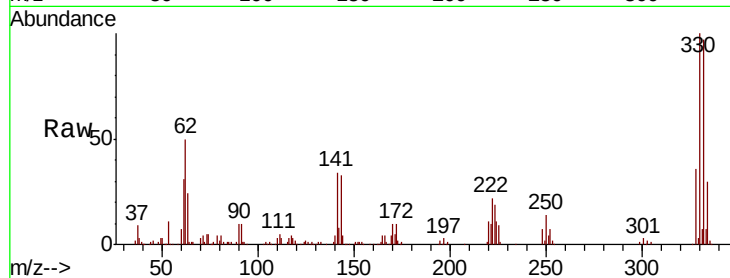




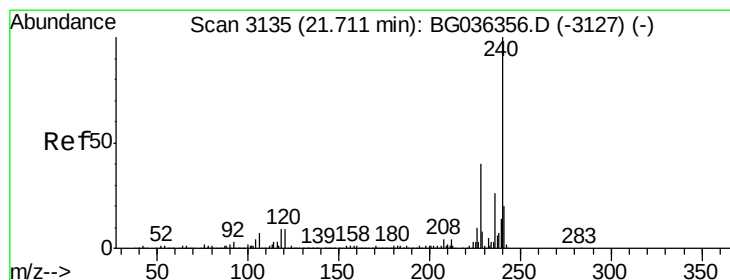
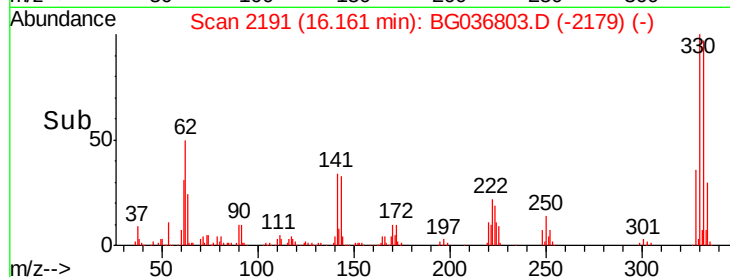
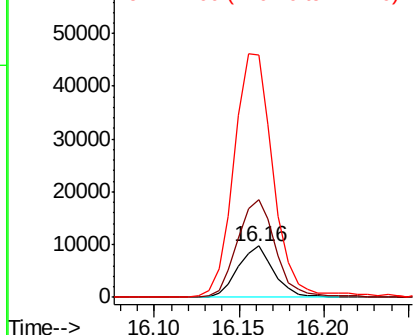
#66
 4-Bromophenyl-phenylether
 Concen: 3.191 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036803.D
 Acq: 19 Sep 2018 2:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14387
 Ion Ratio Lower Upper
 248 100
 250 191.0 78.1 117.1#
 141 470.6 53.7 80.5#

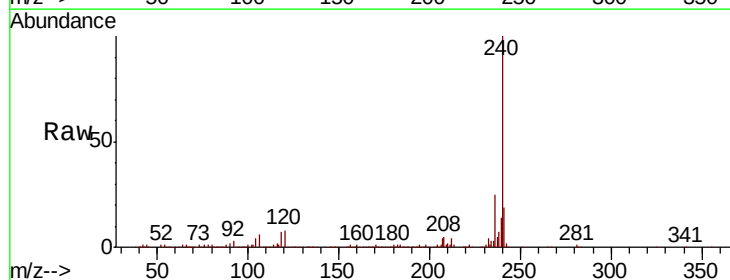


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

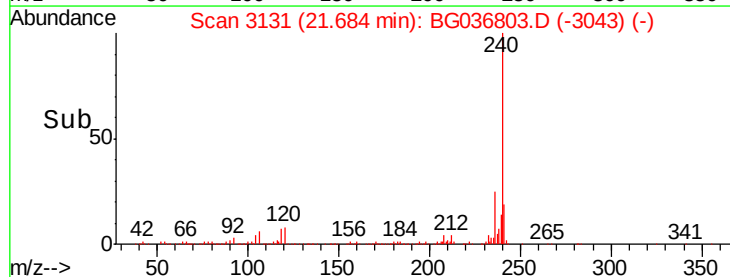
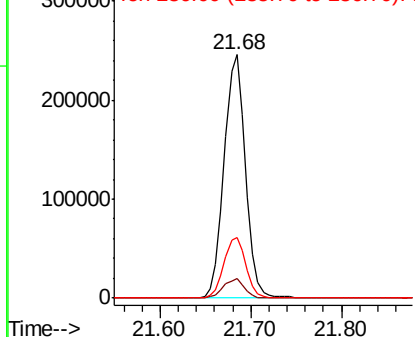


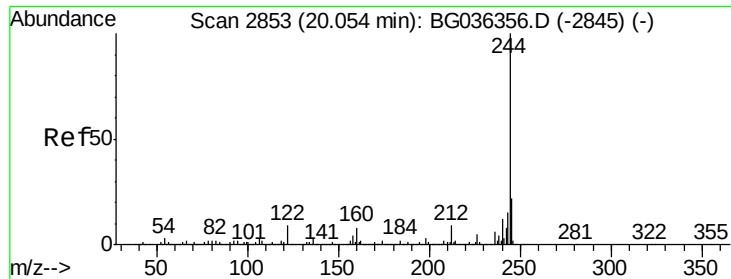
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036803.D
 Acq: 19 Sep 2018 2:19

Tgt Ion:240 Resp: 401846
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 24.8 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: 72.146 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036803.D

Acq: 19 Sep 2018 2:19

Instrument :

BNA_G

ClientSampled :

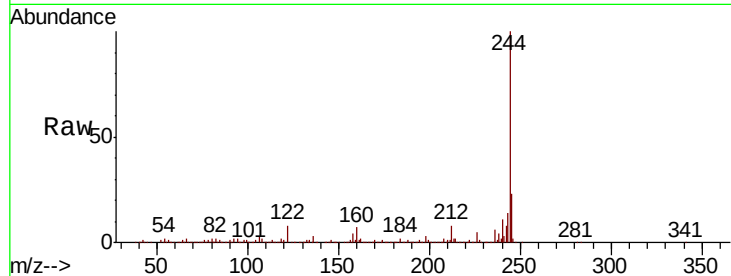
Tot Ion:244 Resp: 1240360

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	8.3	7.1	10.7

244 100

212 8.4 7.0 10.6

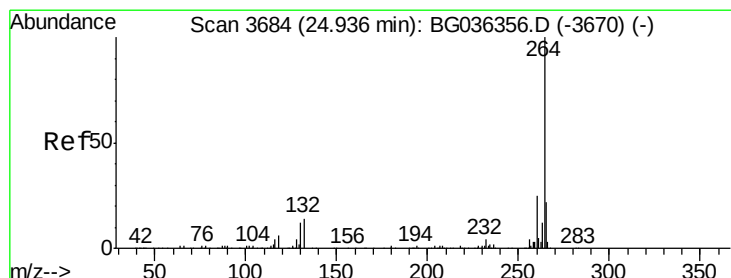
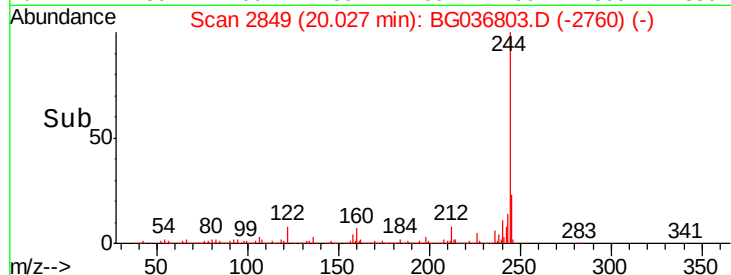
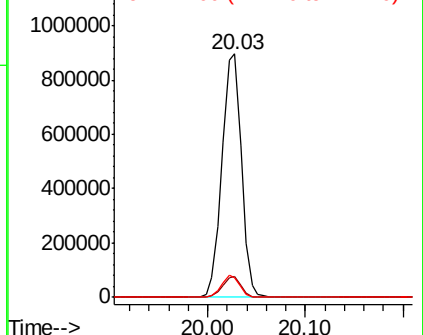
122 8.3 7.1 10.7



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: BG036803.D

Acq: 19 Sep 2018 2:19

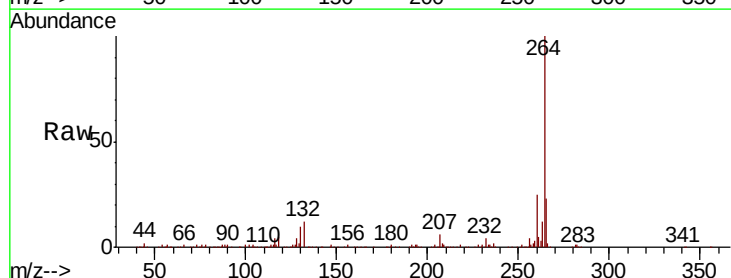
Tgt Ion:264 Resp: 385059

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.9	17.4	26.0

264 100

260 24.7 19.6 29.4

265 22.9 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

