

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036884.D
 Acq On : 22 Sep 2018 8:22
 Operator : JU/SJ
 Sample : J5021-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 03:53:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

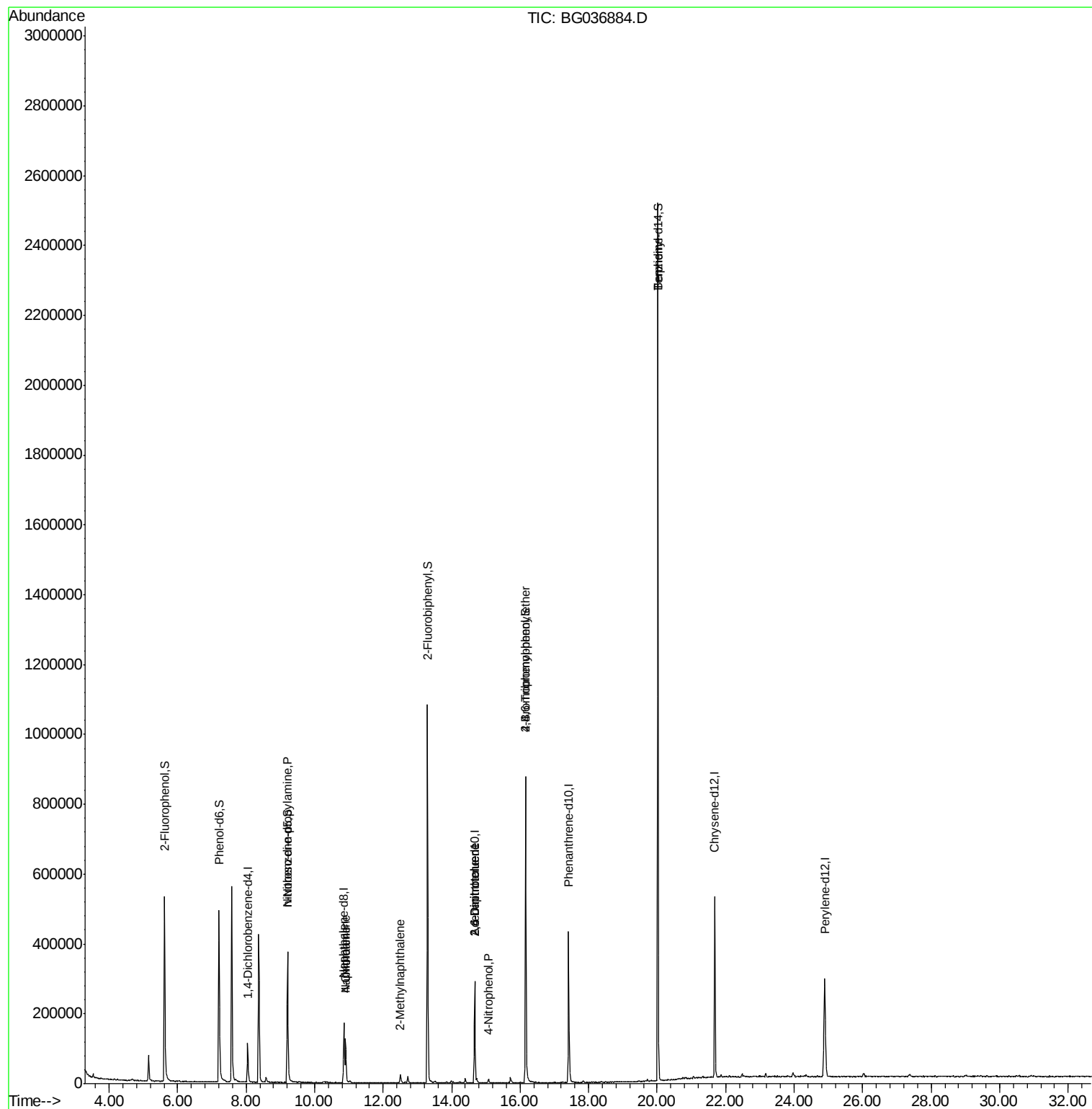
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37045	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	161952	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	110155	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	298505	20.00	ng	0.00
75) Chrysene-d12	21.68	240	330495	20.00	ng	0.00
86) Perylene-d12	24.89	264	326466	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	255038	132.03	ng	0.00
7) Phenol-d6	7.20	99	329207	110.15	ng	0.00
23) Nitrobenzene-d5	9.21	82	263801	87.23	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	181490	137.71	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	609124	82.36	ng	0.00
78) Terphenyl-d14	20.02	244	1239363	98.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	33863	13.620	ng	Qvalue # 69
31) Naphthalene	10.90	128	118510	15.379	ng	97
33) 4-Chloroaniline	10.90	127	16063	4.585	ng	# 40
37) 2-Methylnaphthalene	12.50	142	13283	2.263	ng	90
50) 2,6-Dinitrotoluene	14.67	165	14822	7.662	ng	# 20
55) 4-Nitrophenol	15.08	139	3428	2.632	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	14822	5.491	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	12508	3.684	ng	# 1
76) Benzidine	20.02	184	21017	2.104	ng	94

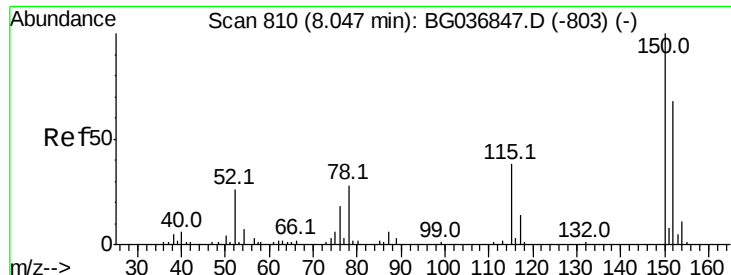
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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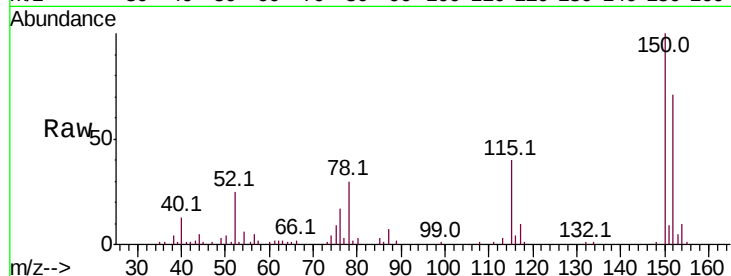


#1

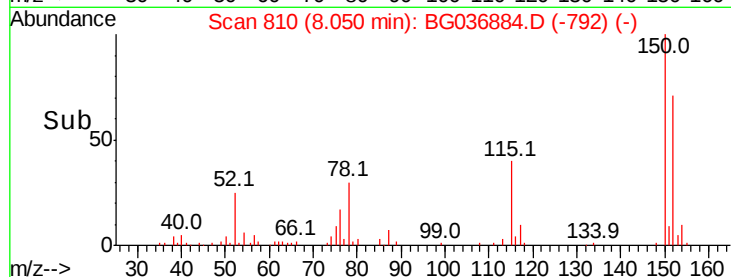
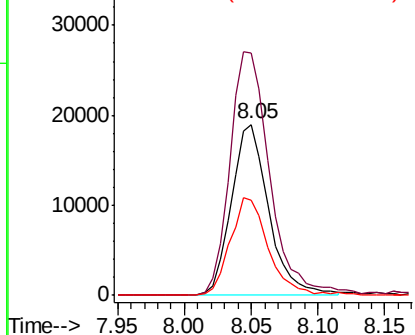
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	119.5	179.3
115	56.0	44.5	66.7



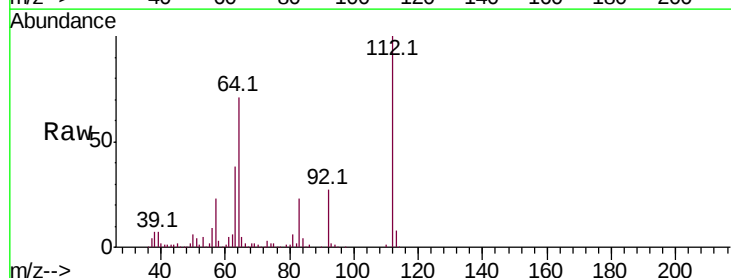
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



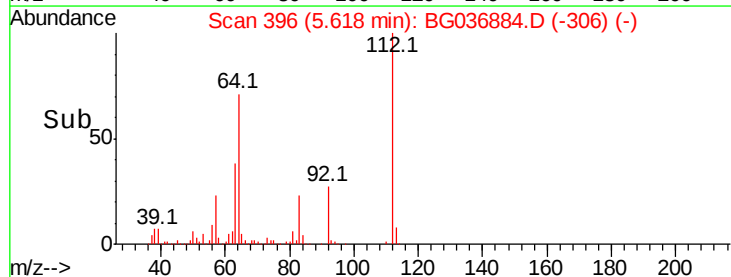
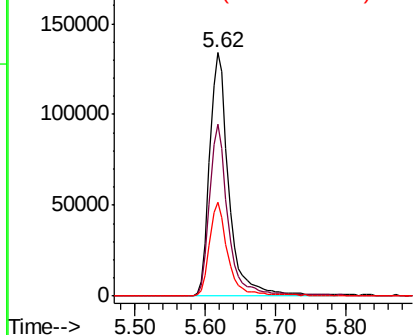
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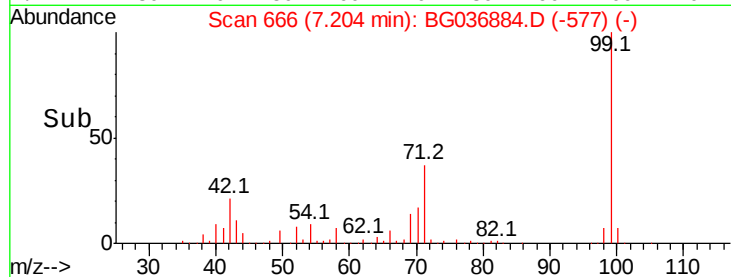
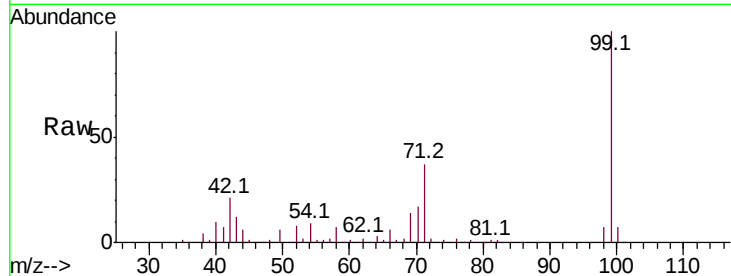
2-Fluorophenol
Concen: 132.031 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	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: 110.154 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

Instrument :

BNA_G

ClientSampleId :

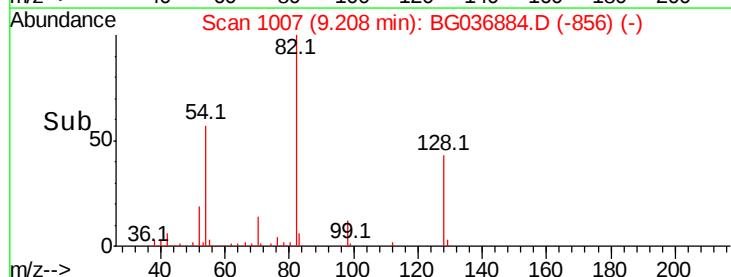
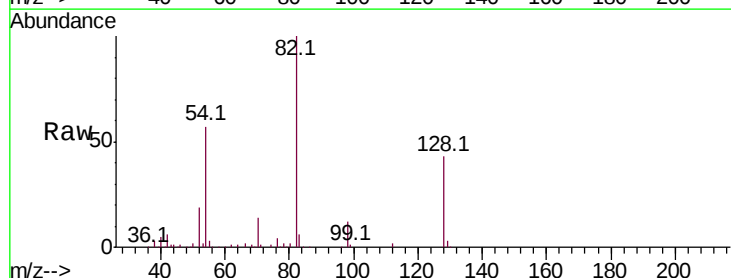
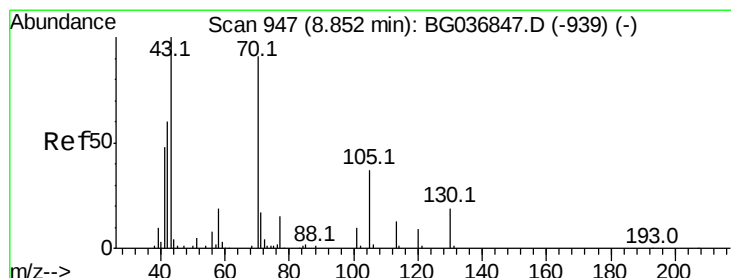
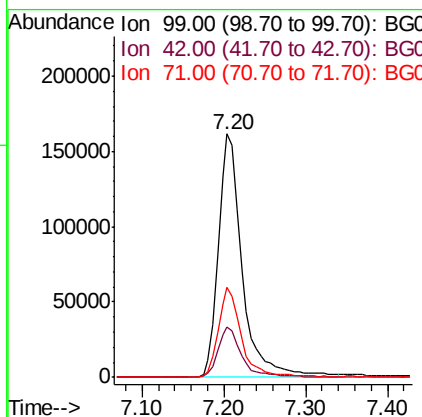
Tot Ion: 99 Resp: 329207

Ion Ratio Lower Upper

99 100

42 20.8 16.5 24.7

71 36.9 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.620 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

Tgt Ion: 70 Resp: 33863

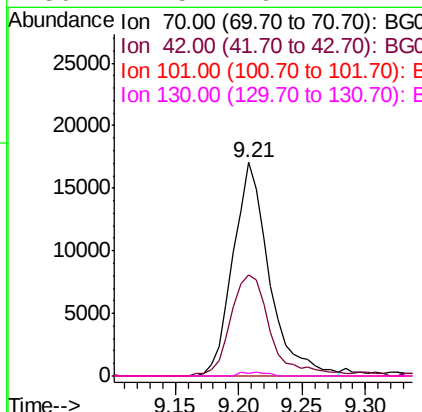
Ion Ratio Lower Upper

70 100

42 47.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.5 16.2 24.2#

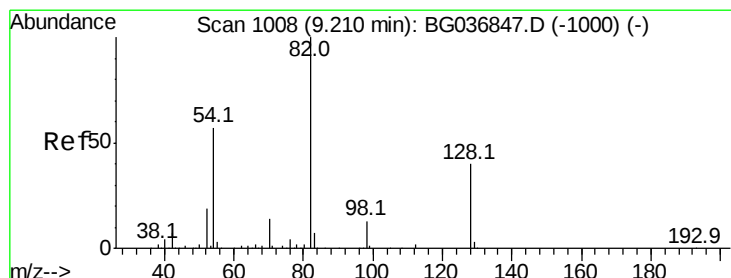
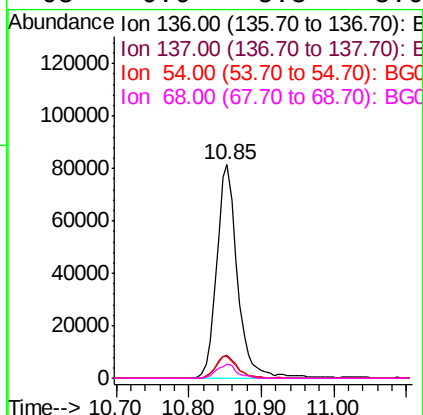
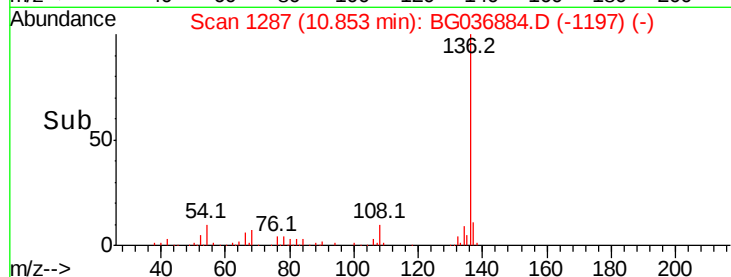
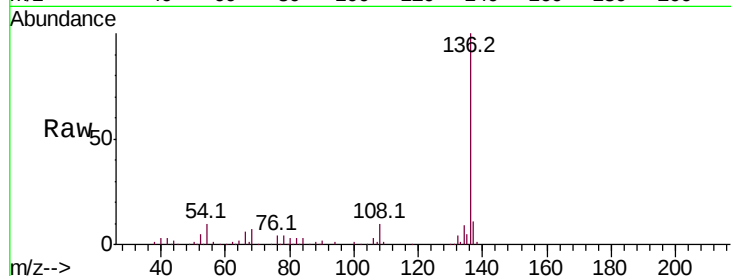




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

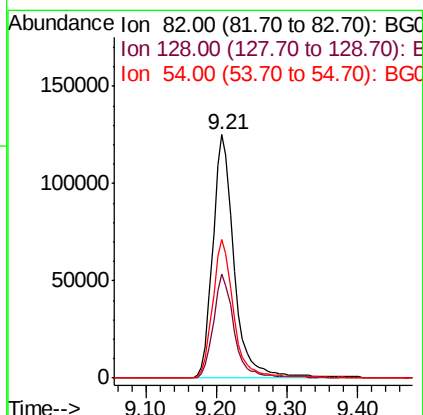
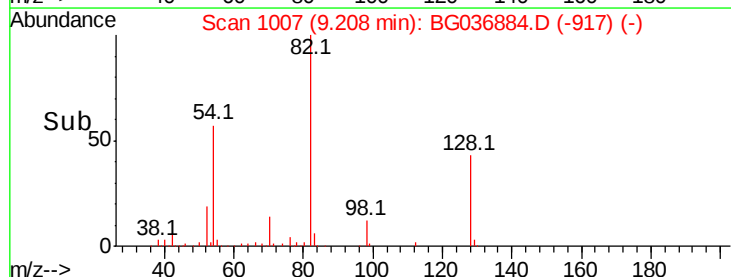
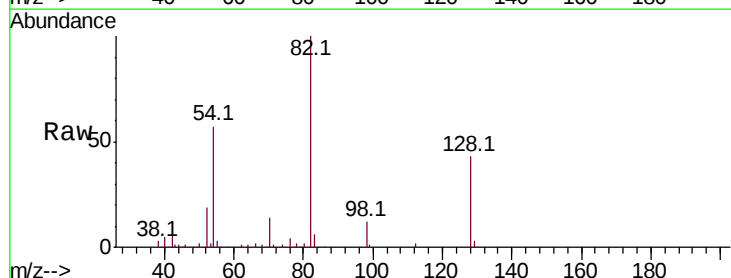
Instrument :
BNA_G
ClientSampleId :

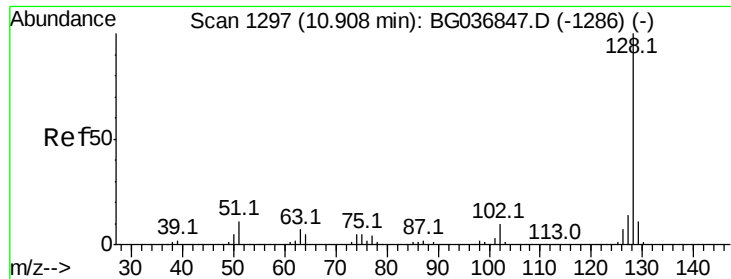
Tot Ion:	136	Resp:	161952
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.4	9.2	13.8
68	6.6	5.8	8.6



#23
Nitrobenzene-d5
Concen: 87.228 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Tgt Ion:	82	Resp:	263801
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.3	49.9
54	57.2	45.1	67.7

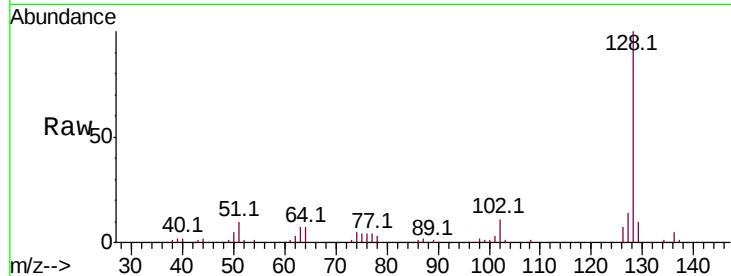




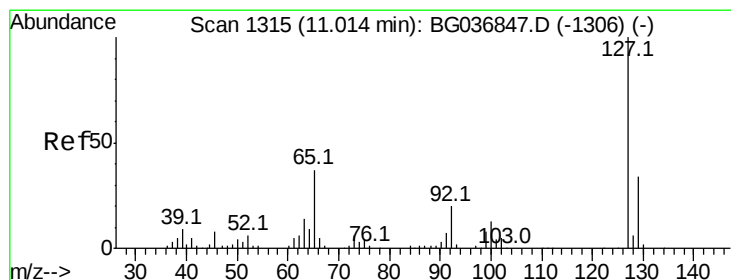
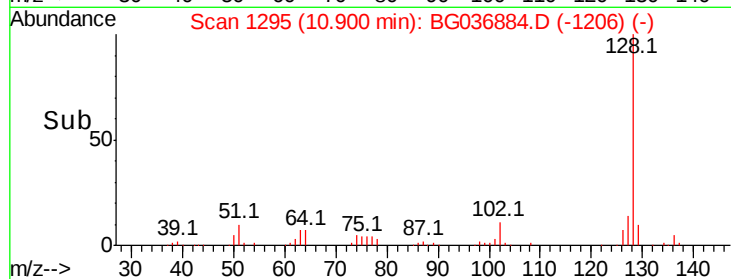
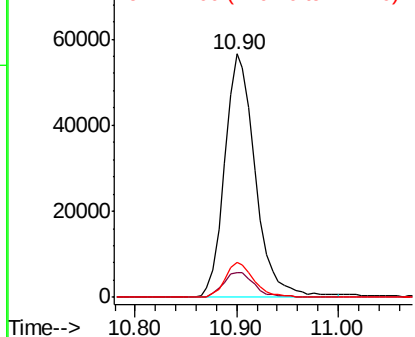
#31
Naphthalene
Concen: 15.379 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 118510
Ion Ratio Lower Upper
128 100
129 10.4 9.4 14.2
127 14.3 11.0 16.4

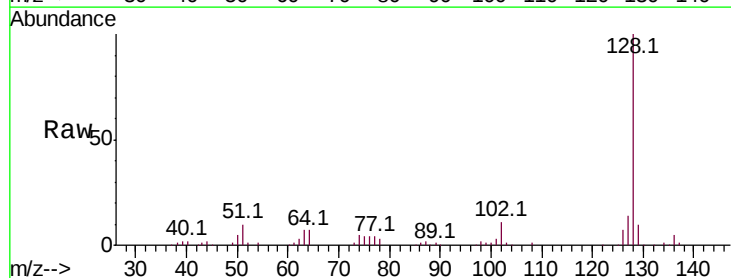


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

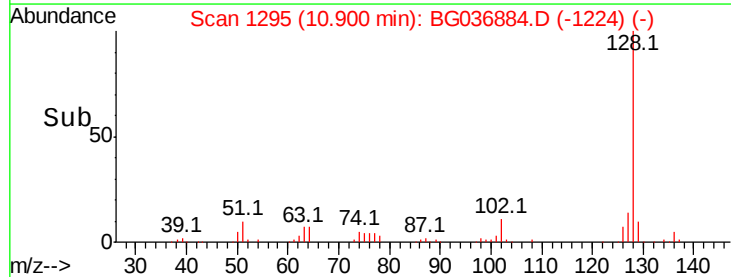
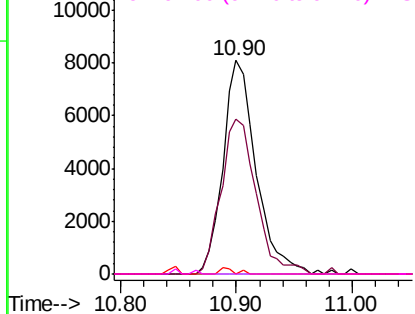


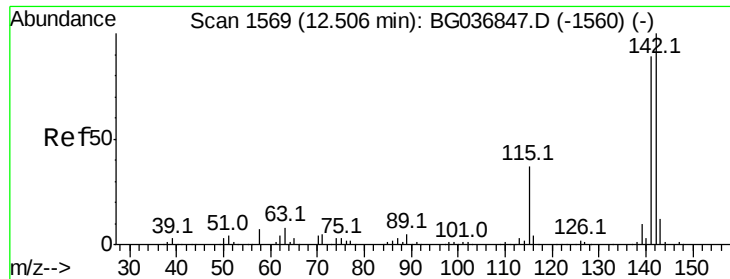
#33
4-Chloroaniline
Concen: 4.585 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.11 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Tgt Ion:127 Resp: 16063
Ion Ratio Lower Upper
127 100
129 72.4 25.9 38.9#
65 0.0 27.5 41.3#
92 0.0 16.2 24.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

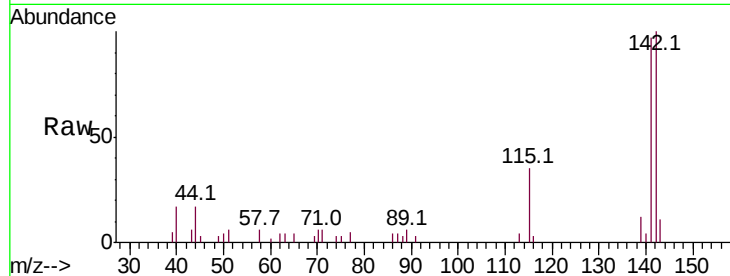




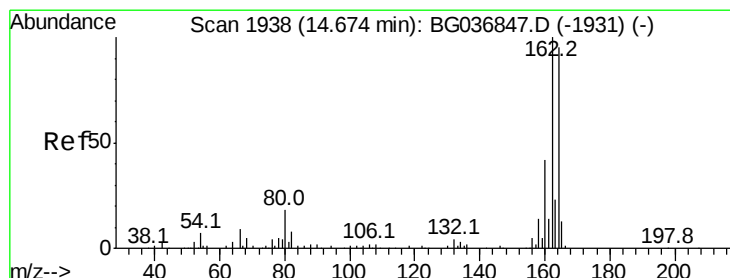
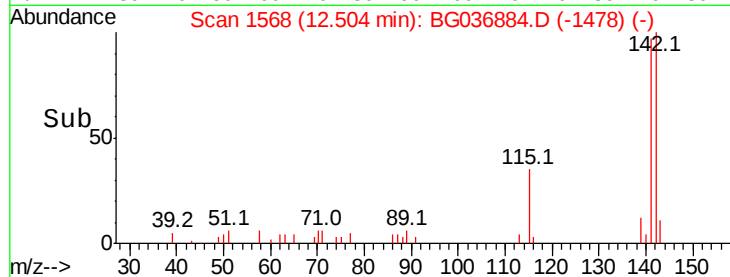
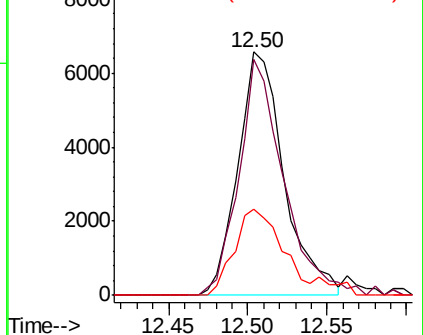
#37
2-Methylnaphthalene
Concen: 2.263 ng
RT: 12.50 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 13283
Ion Ratio Lower Upper
142 100
141 96.9 68.5 102.7
115 35.4 29.8 44.8

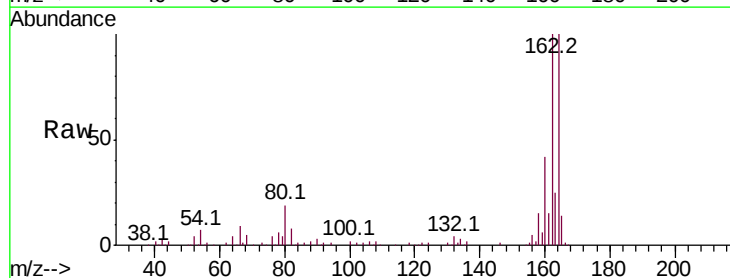


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

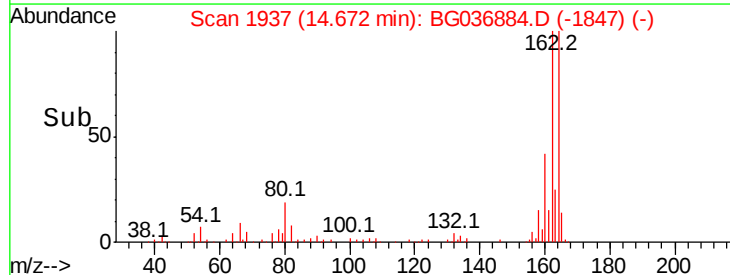
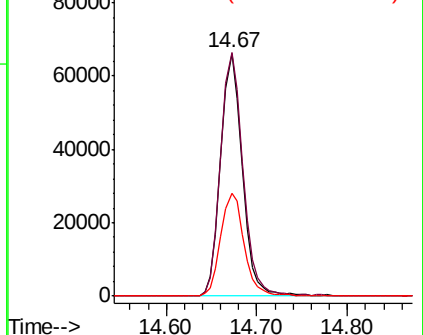


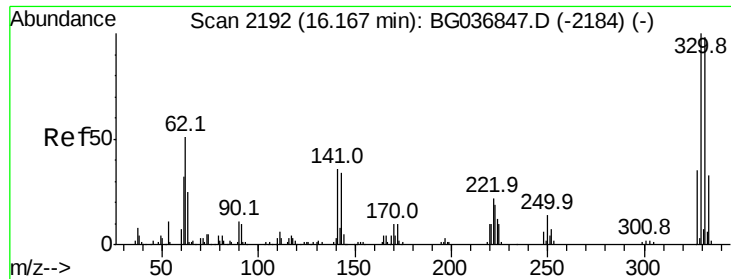
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Tgt Ion:164 Resp: 110155
Ion Ratio Lower Upper
164 100
162 100.4 80.7 121.1
160 42.2 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: 137.708 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

Instrument :

BNA_G

ClientSampled :

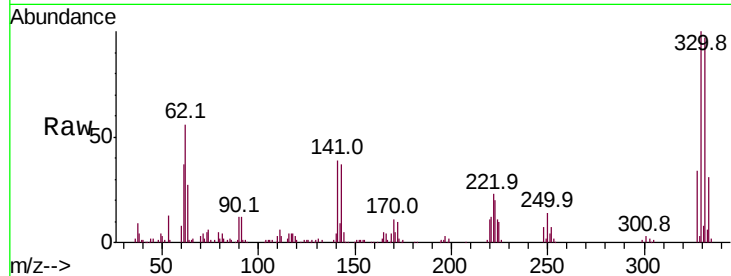
Tot Ion:330 Resp: 181490

Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.2

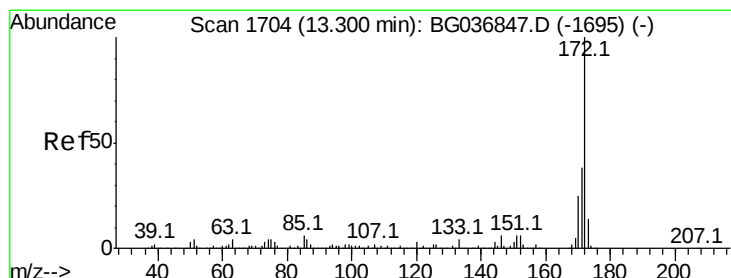
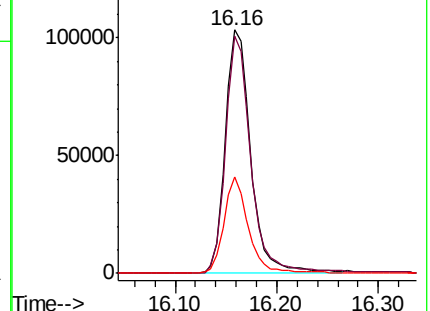
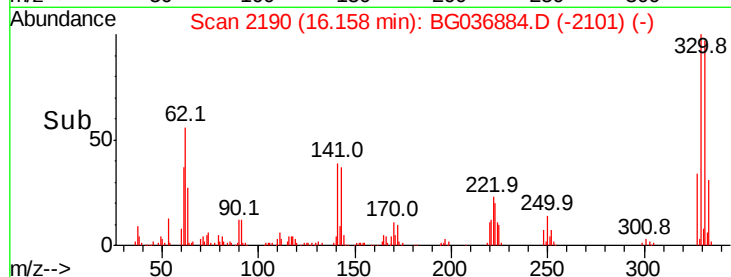
141 37.4 30.7 46.1



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: 82.359 ng

RT: 13.30 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

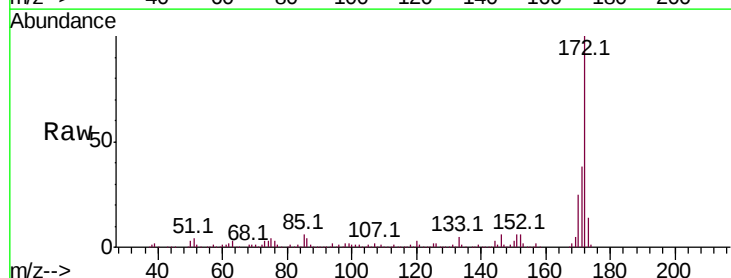
Tgt Ion:172 Resp: 609124

Ion Ratio Lower Upper

172 100

171 37.9 31.3 46.9

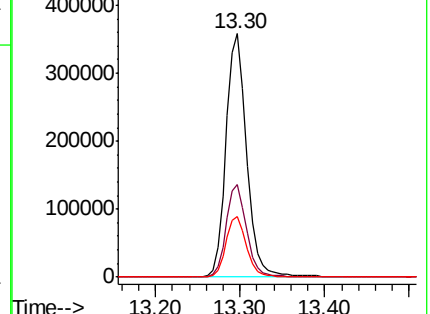
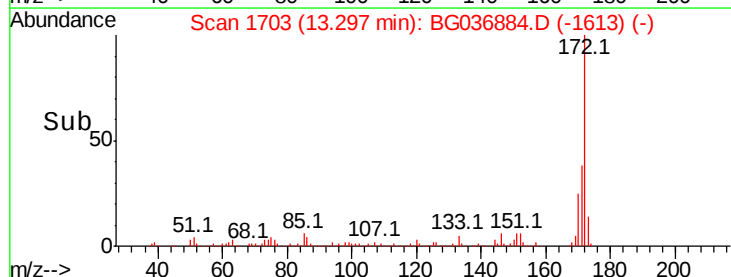
170 24.7 21.0 31.6

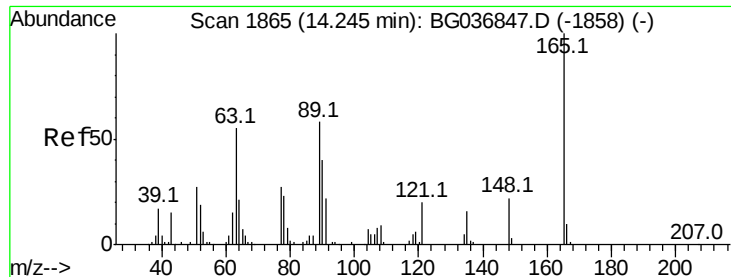


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

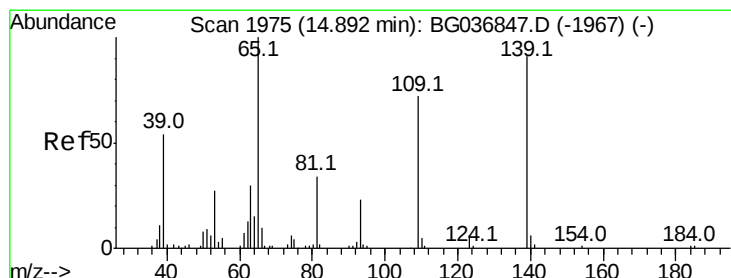
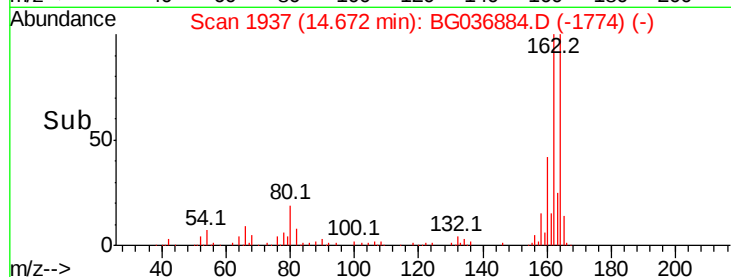
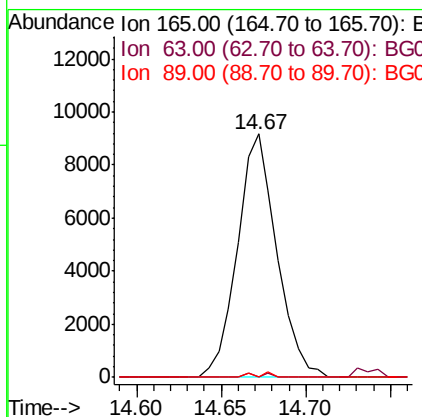
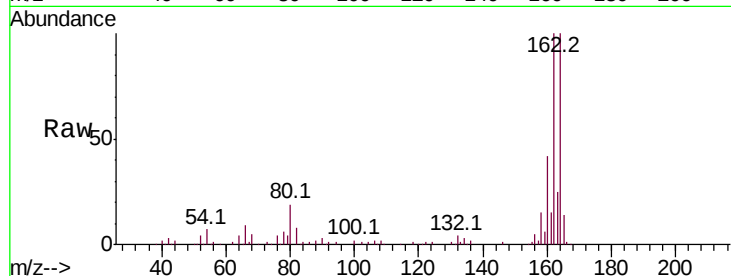




#50
 2,6-Dinitrotoluene
 Concen: 7.662 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

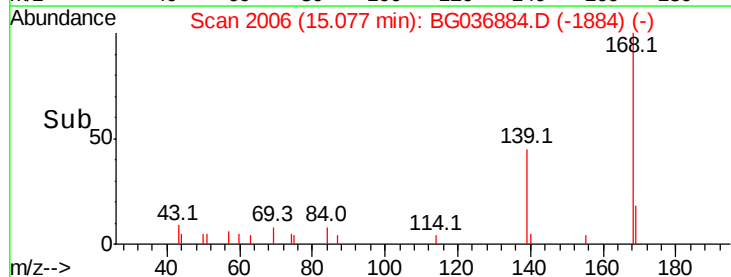
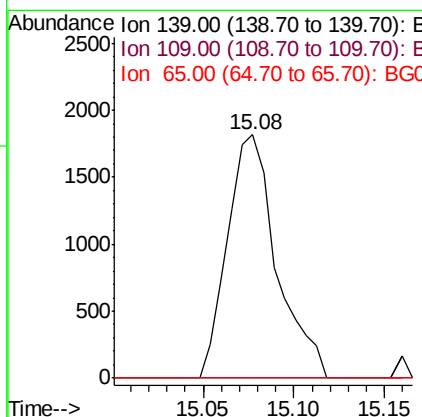
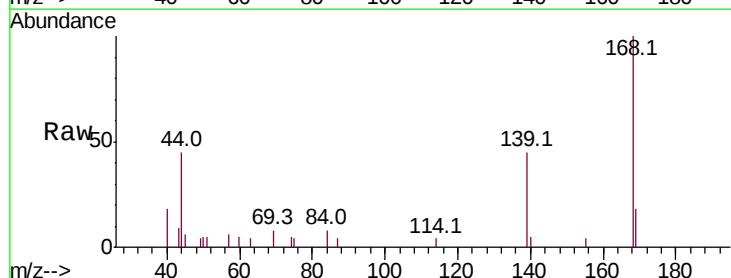
Instrument :
 BNA_G
 ClientSampleId :

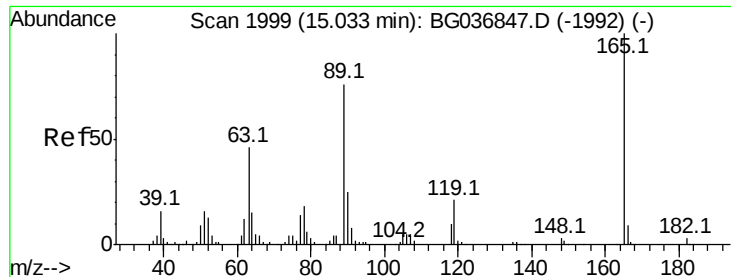
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	0.0	47.8	71.6#



#55
 4-Nitrophenol
 Concen: 2.632 ng
 RT: 15.08 min Scan# 2006
 Delta R.T. 0.19 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	63.9	103.9#
65	0.0	90.0	130.0#

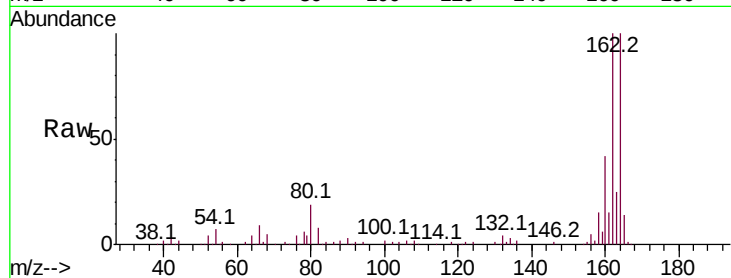




#56
 2,4-Dinitrotoluene
 Concen: 5.491 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

Instrument :
 BNA_G
 ClientSampled :

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

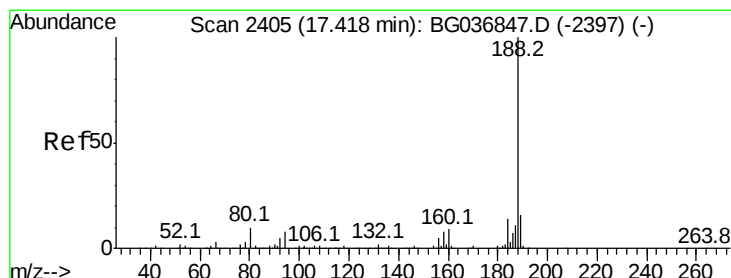
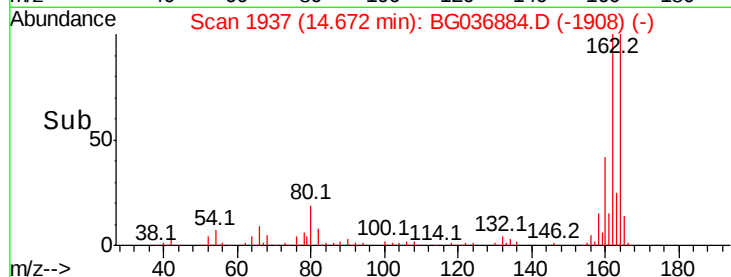
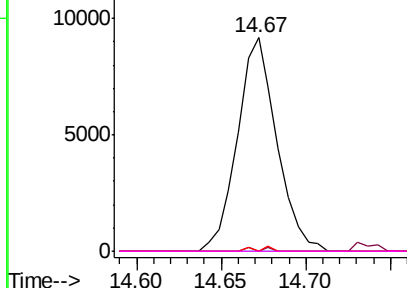


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

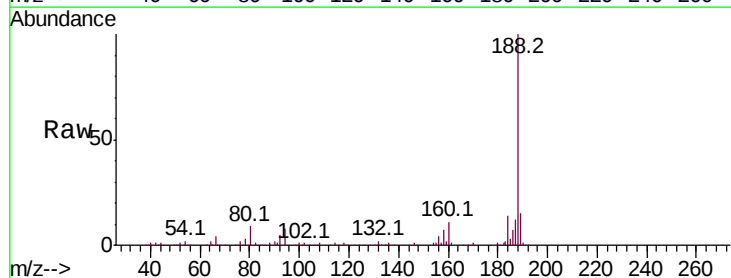
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

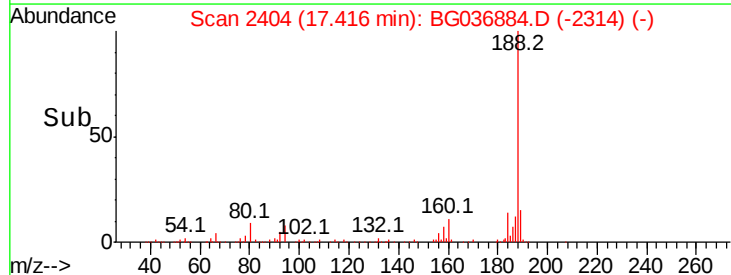
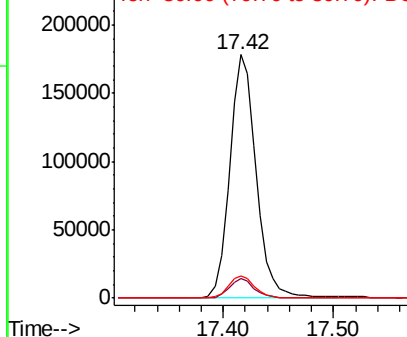
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	9.1	8.1	12.1

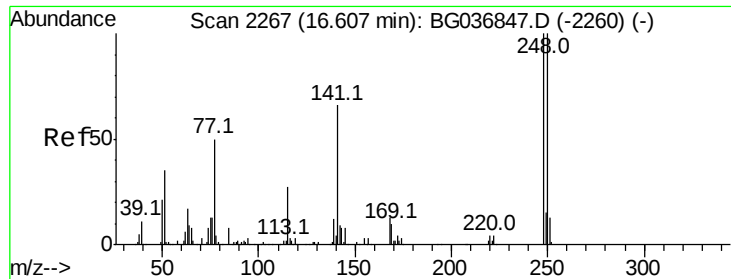


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

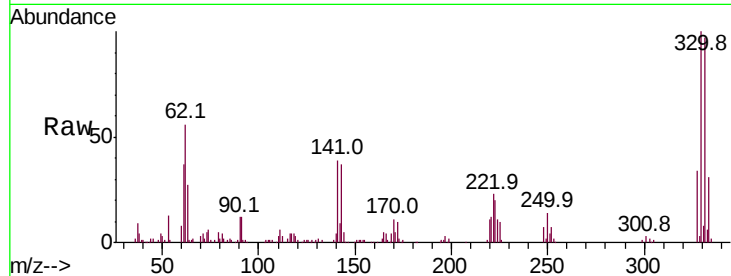




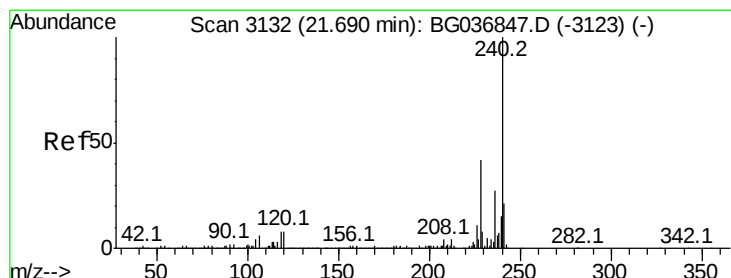
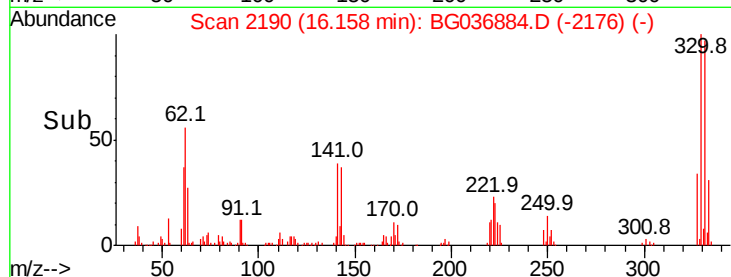
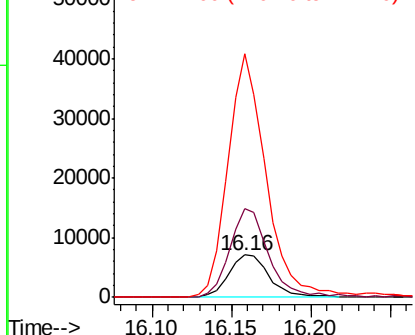
#66
 4-Bromophenyl-phenylether
 Concen: 3.684 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12508
 Ion Ratio Lower Upper
 248 100
 250 208.4 78.1 117.1#
 141 574.5 53.7 80.5#

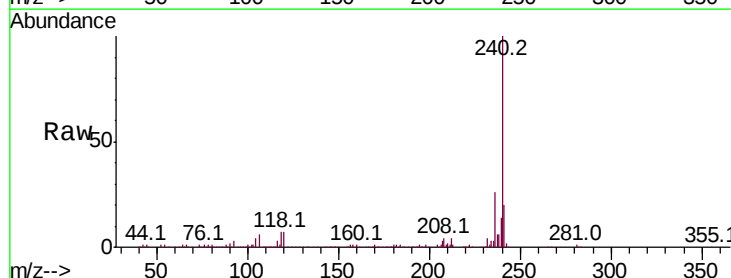


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

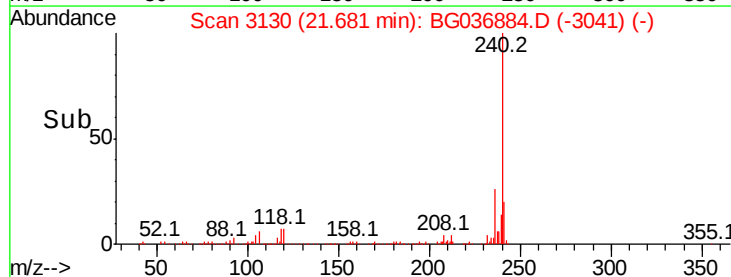
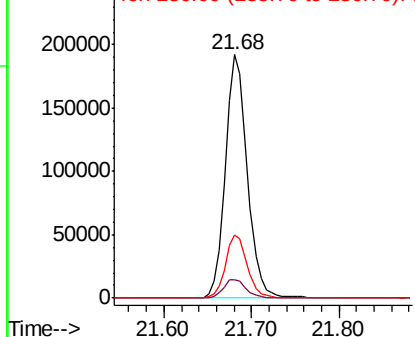


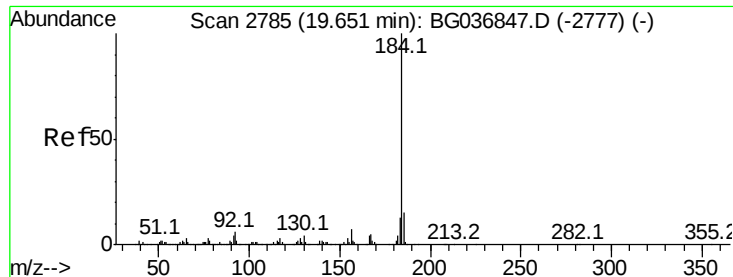
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036884.D
 Acq: 22 Sep 2018 8:22

Tgt Ion:240 Resp: 330495
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.9 10.3
 236 25.9 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: 2.104 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

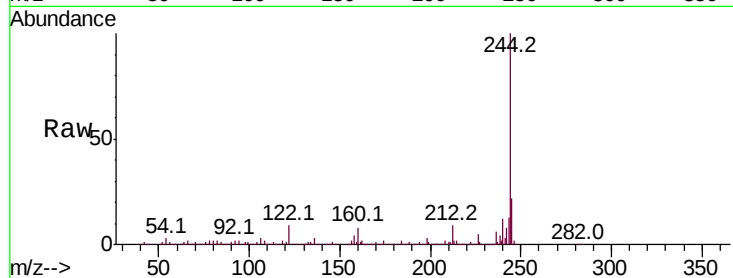
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 21017

Ion	Ratio	Lower	Upper
184	100		
185	18.6	12.6	18.8
183	11.4	10.9	16.3

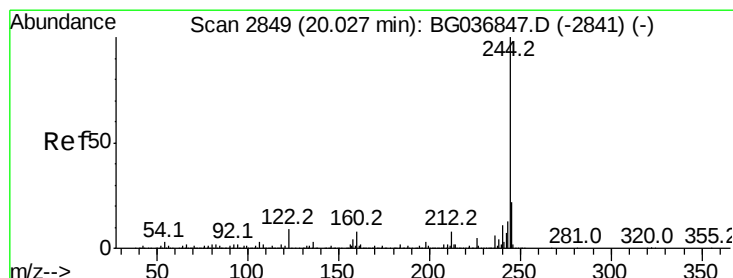
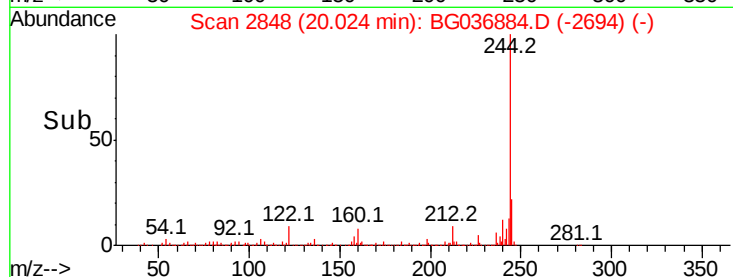
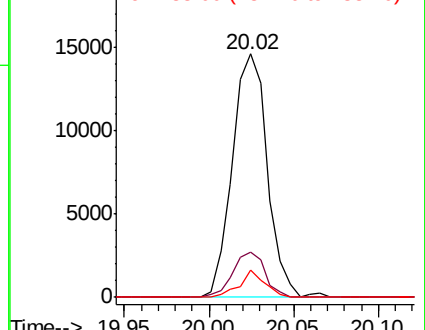


Abundance

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: 98.606 ng

RT: 20.02 min Scan# 2848

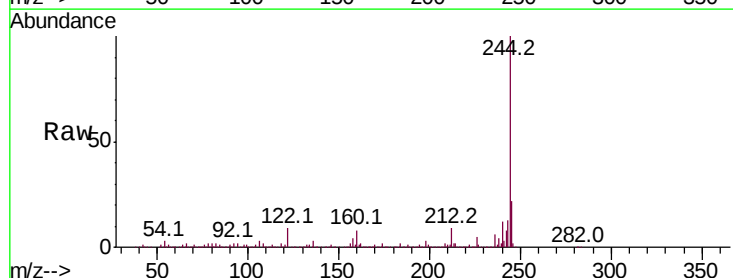
Delta R.T. -0.00 min

Lab File: BG036884.D

Acq: 22 Sep 2018 8:22

Tgt Ion:244 Resp: 1239363

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	9.3	7.1	10.7

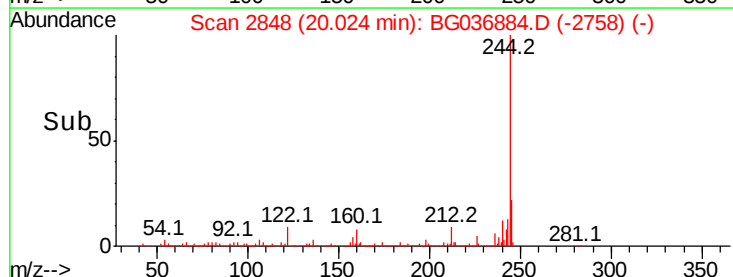
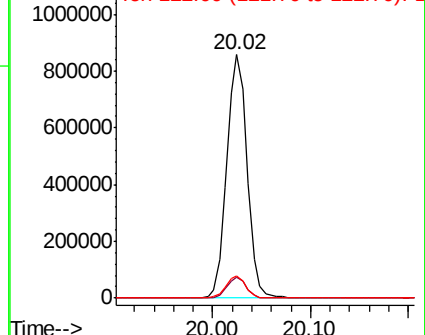


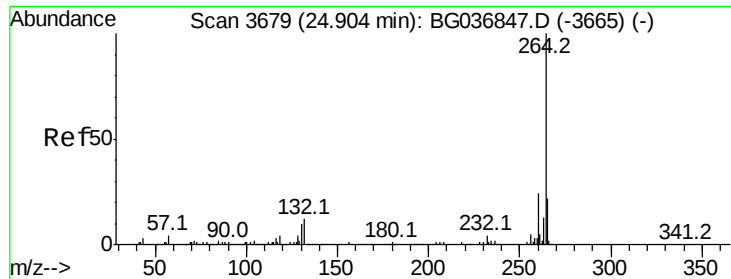
Abundance

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

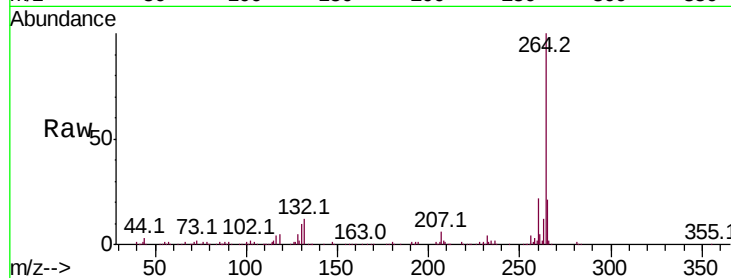




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG036884.D
Acq: 22 Sep 2018 8:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	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

