

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092518\
 Data File : BG036969.D
 Acq On : 26 Sep 2018 4:39
 Operator : JU/SJ
 Sample : J5055-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-A

Quant Time: Sep 26 07:26:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

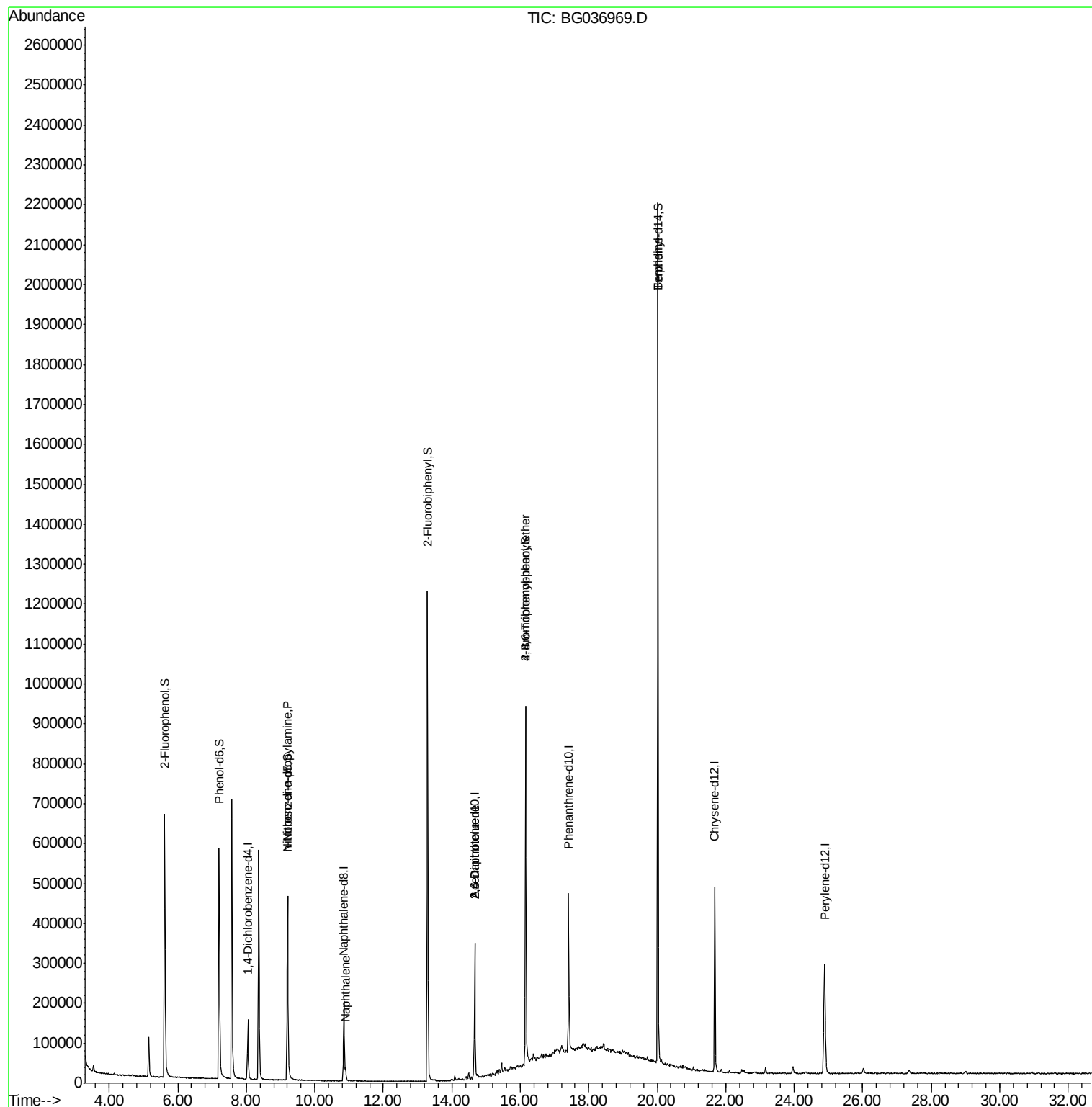
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	47966	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	196193	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	121433	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	263154	20.00	ng	0.00
75) Chrysene-d12	21.68	240	311819	20.00	ng	-0.01
86) Perylene-d12	24.88	264	319438	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	306102	122.39	ng	0.00
7) Phenol-d6	7.21	99	378620	97.84	ng	0.00
23) Nitrobenzene-d5	9.20	82	320472	87.47	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	174858	120.35	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	697053	85.49	ng	0.00
78) Terphenyl-d14	20.02	244	1051695	88.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	42815	13.300	ng	Qvalue
31) Naphthalene	10.90	128	23371	2.504	ng	# 74
50) 2,6-Dinitrotoluene	14.67	165	15512	7.274	ng	# 24
56) 2,4-Dinitrotoluene	14.67	165	15512	5.213	ng	# 22
66) 4-Bromophenyl-phenylether	16.15	248	11891	3.973	ng	# 1
76) Benzidine	20.02	184	19299	2.047	ng	97

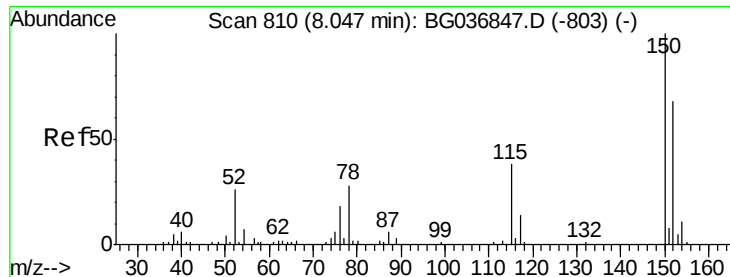
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG036969.D

Acq: 26 Sep 2018 4:39

Instrument :

BNA_G

ClientSampleId :

TP-A

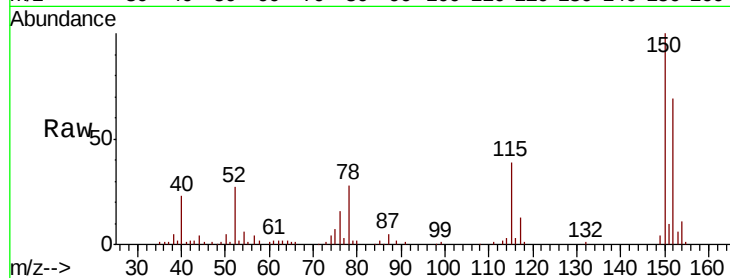
Tgt Ion:152 Resp: 47966

Ion Ratio Lower Upper

152 100

150 144.6 119.5 179.3

115 56.7 44.5 66.7

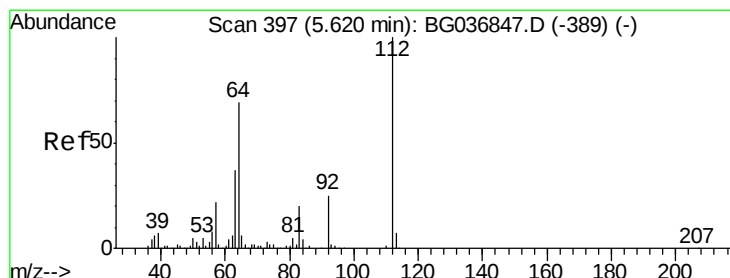
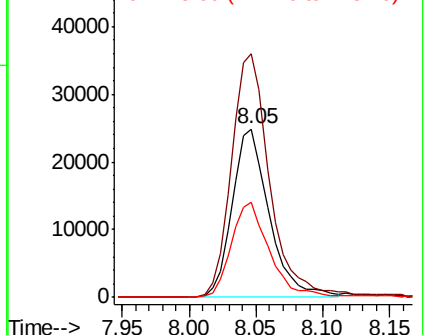
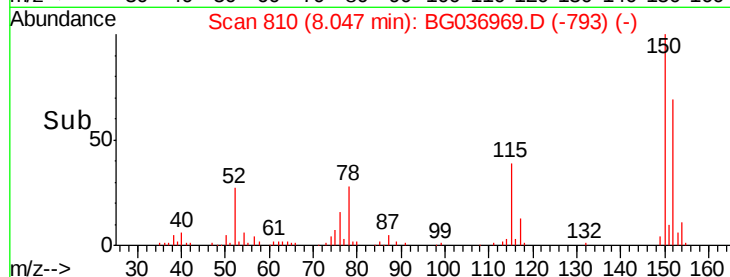


Abundance

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: 122.386 ng

RT: 5.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

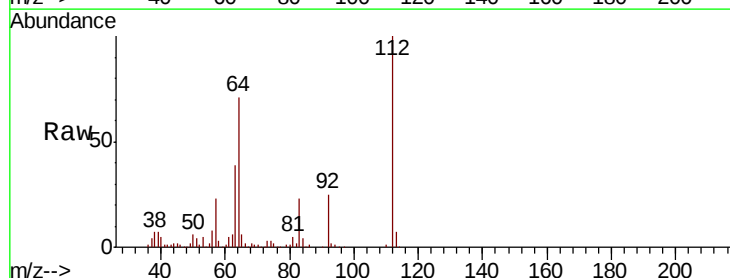
Tgt Ion:112 Resp: 306102

Ion Ratio Lower Upper

112 100

64 70.6 57.2 85.8

63 38.8 30.8 46.2

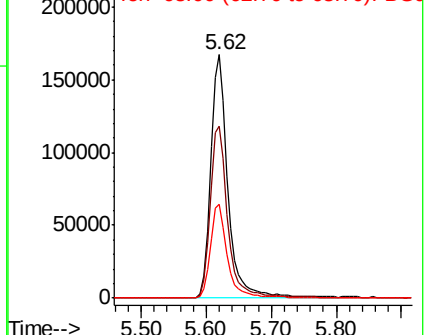
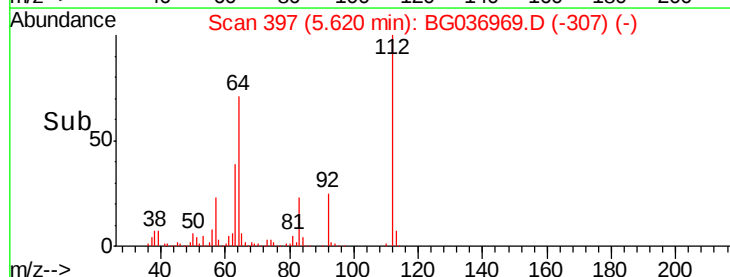


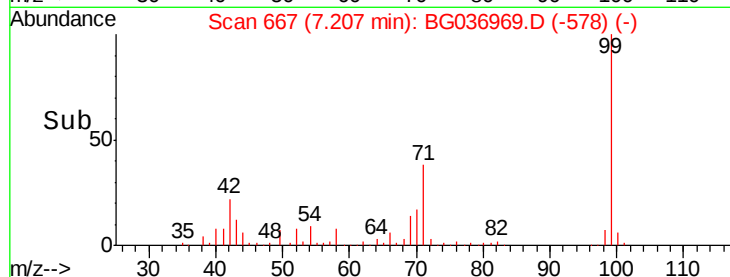
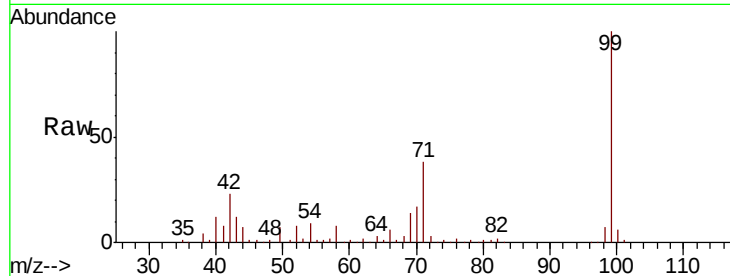
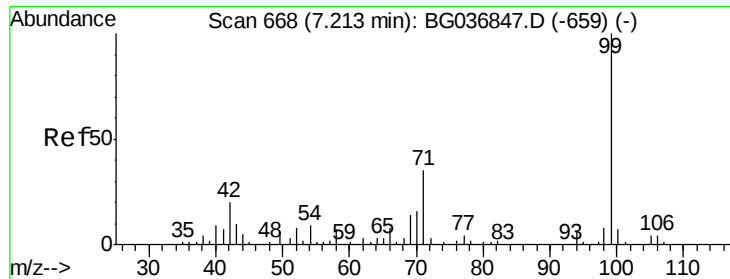
Abundance

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: 97.843 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

Instrument :

BNA_G

ClientSampled :

TP-A

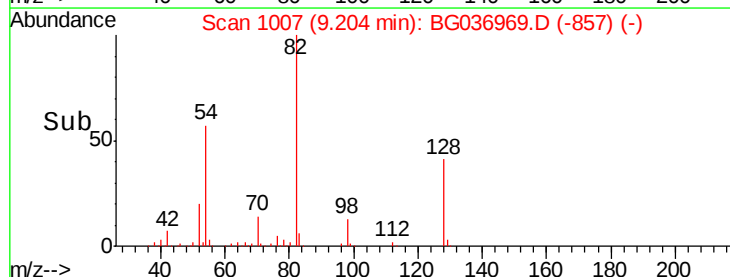
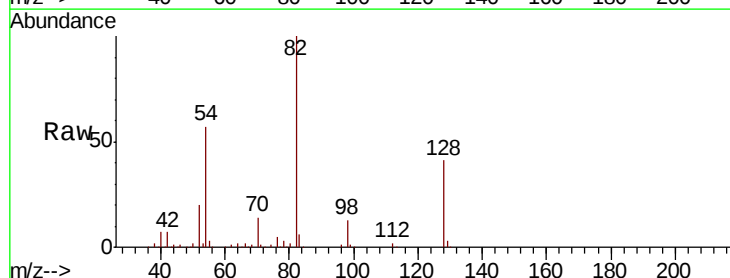
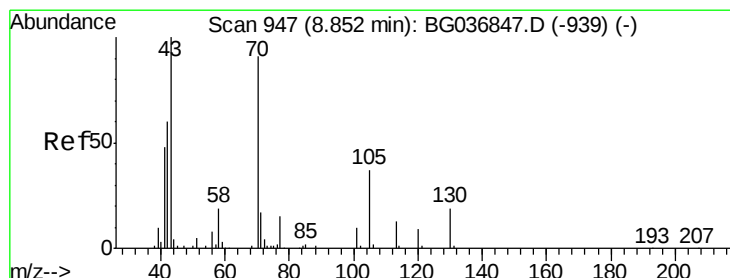
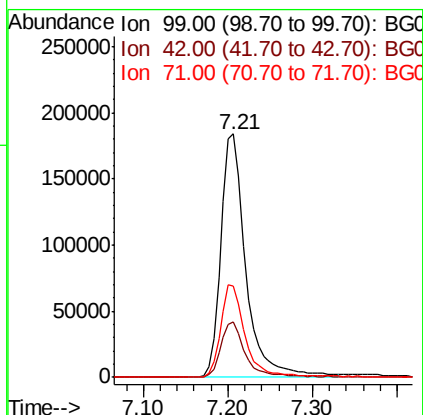
Tgt Ion: 99 Resp: 378620

Ion Ratio Lower Upper

99 100

42 22.6 16.5 24.7

71 37.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.300 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

Tgt Ion: 70 Resp: 42815

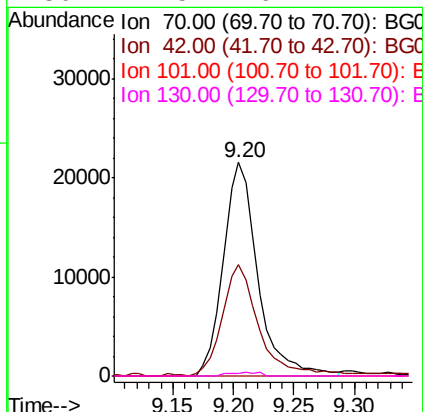
Ion Ratio Lower Upper

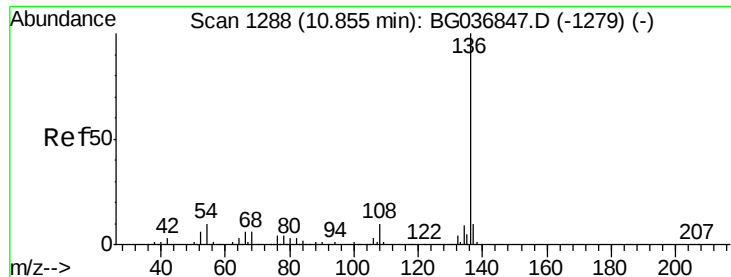
70 100

42 51.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.5 16.2 24.2#

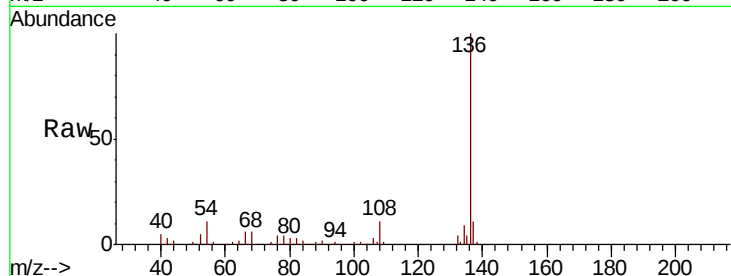




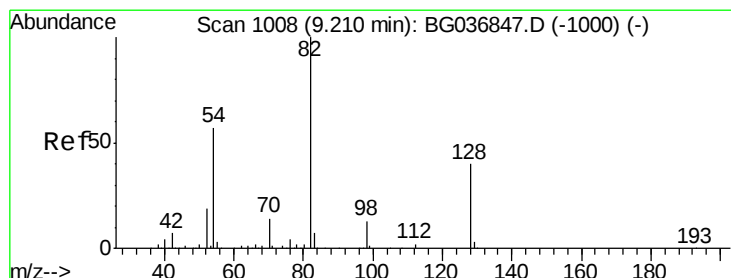
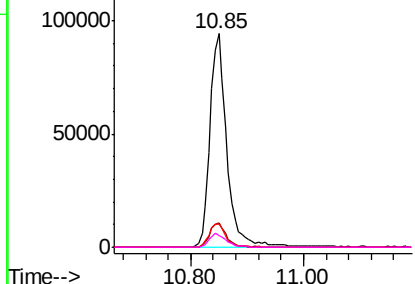
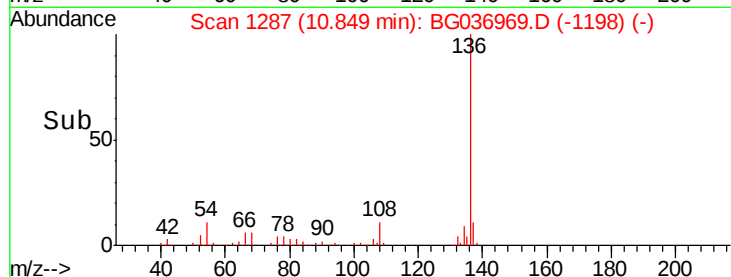
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

Instrument :
BNA_G
ClientSampleId :
TP-A

Tgt Ion:	136	Resp:	196193
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.1	9.2	13.8
68	5.6	5.8	8.6#

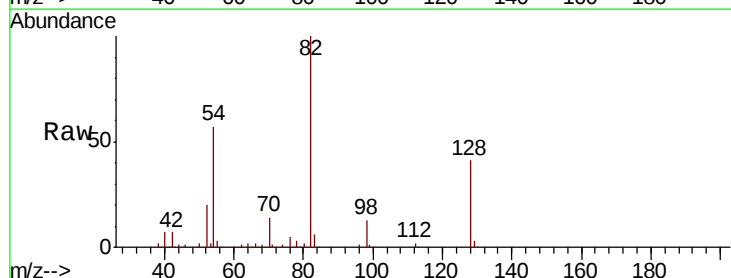


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

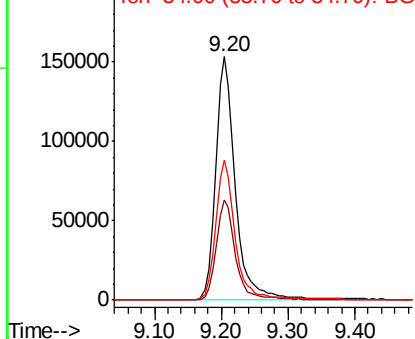
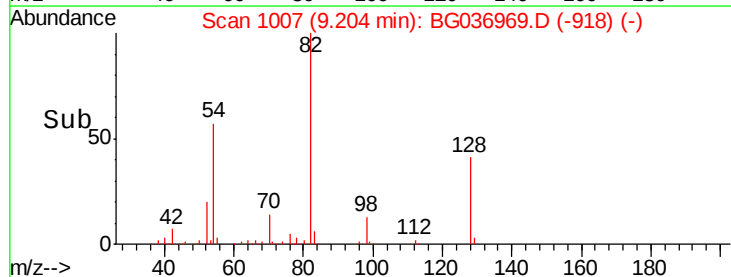


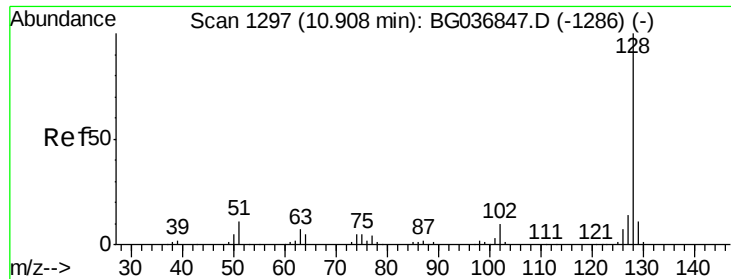
#23
Nitrobenzene-d5
Concen: 87.473 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

Tgt Ion:	82	Resp:	320472
Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.3	49.9
54	57.4	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

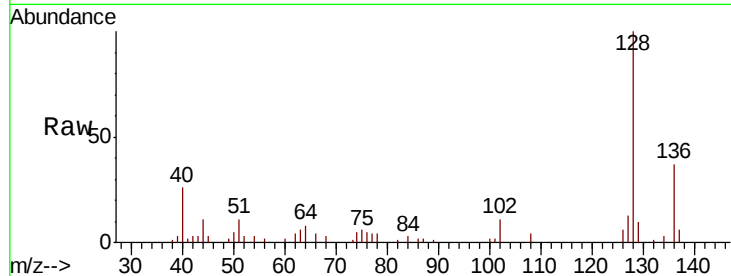




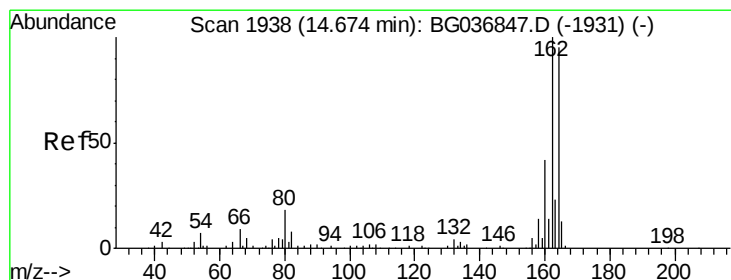
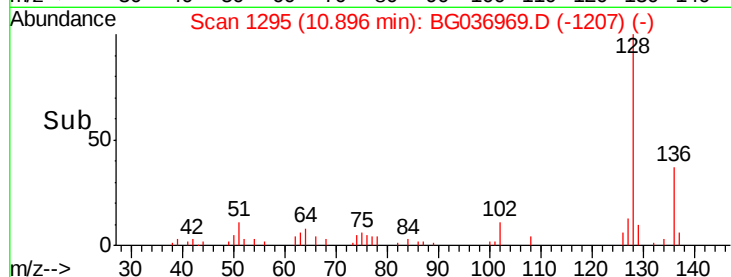
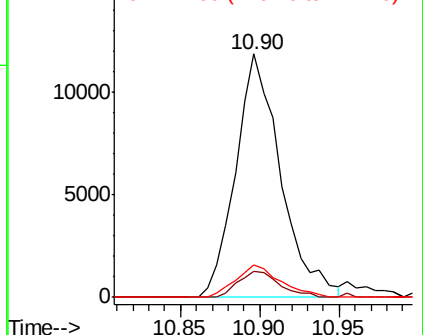
#31
Naphthalene
Concen: 2.504 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

Instrument :
BNA_G
ClientSampleId :
TP-A

Tgt Ion:128 Resp: 23371
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.2
127 13.3 11.0 16.4

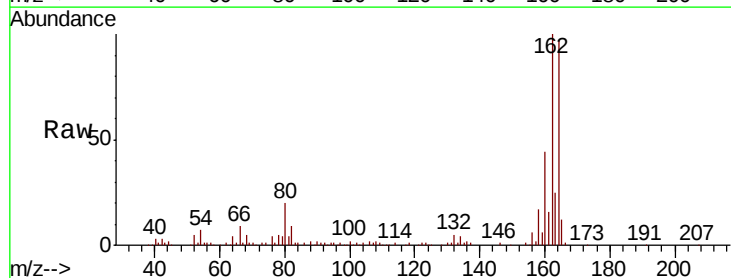


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

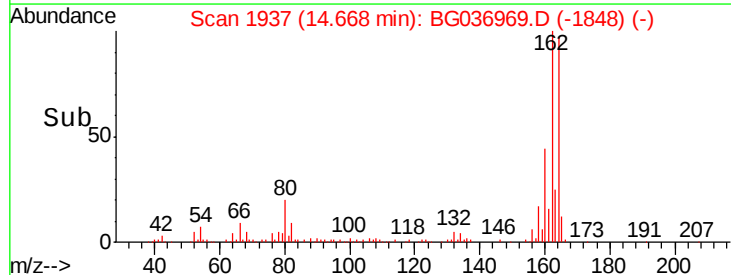
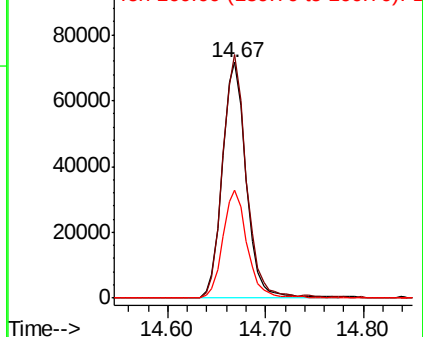


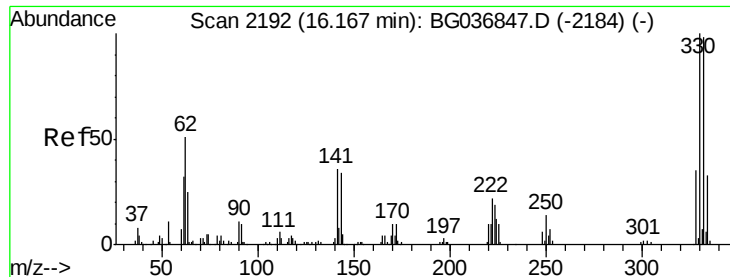
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

Tgt Ion:164 Resp: 121433
Ion Ratio Lower Upper
164 100
162 103.4 80.7 121.1
160 45.8 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: 120.353 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

Instrument :

BNA_G

ClientSampleId :

TP-A

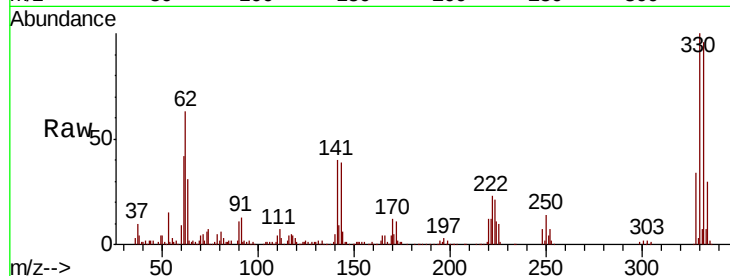
Tgt Ion:330 Resp: 174858

Ion Ratio Lower Upper

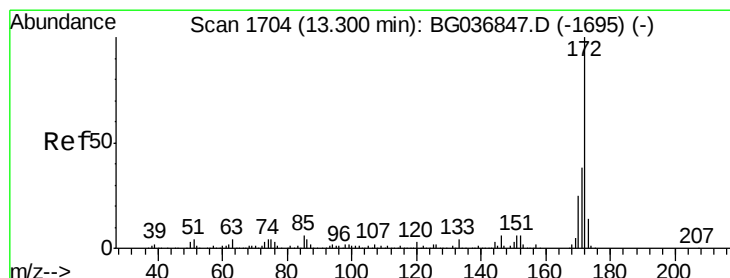
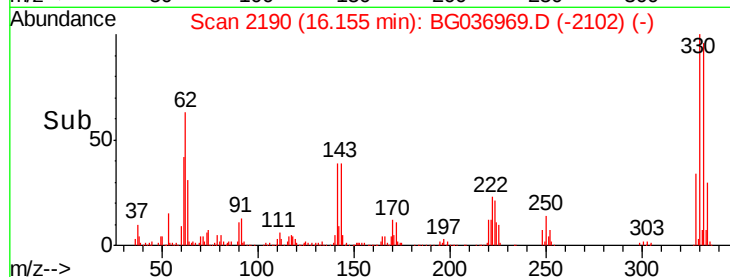
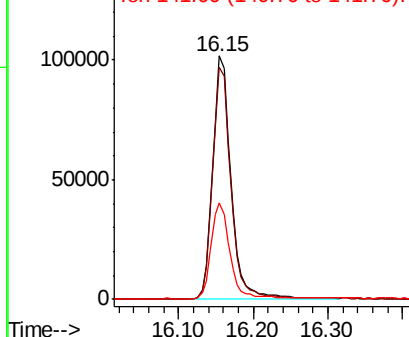
330 100

332 95.4 75.4 113.2

141 39.5 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: 85.494 ng

RT: 13.29 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

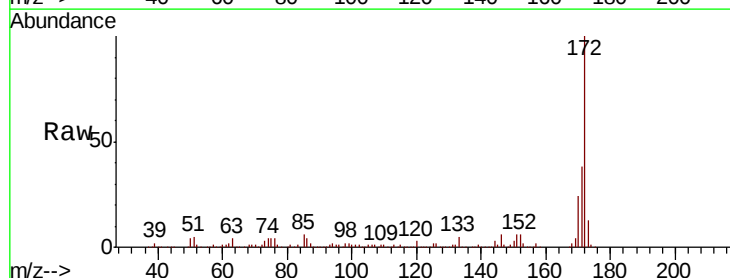
Tgt Ion:172 Resp: 697053

Ion Ratio Lower Upper

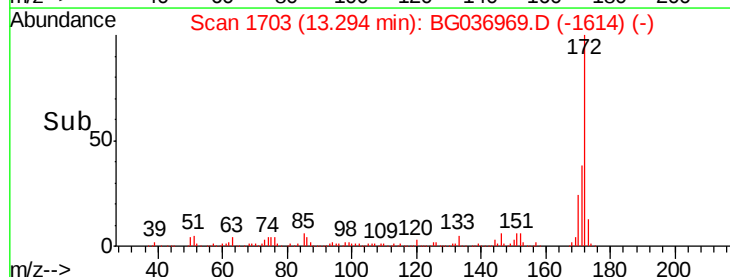
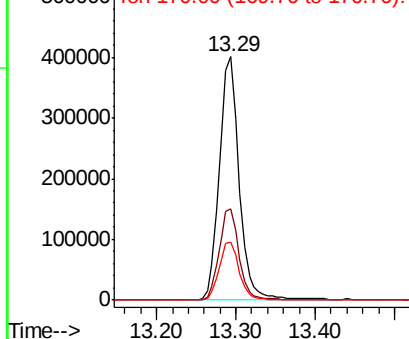
172 100

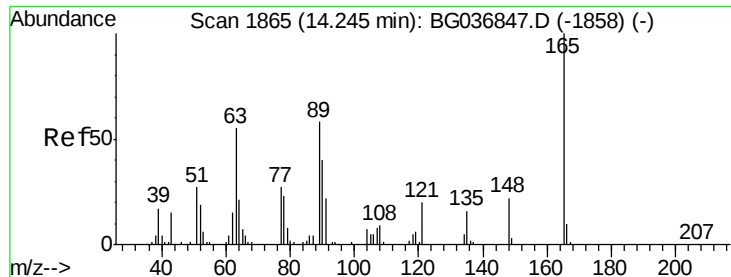
171 37.8 31.3 46.9

170 24.1 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

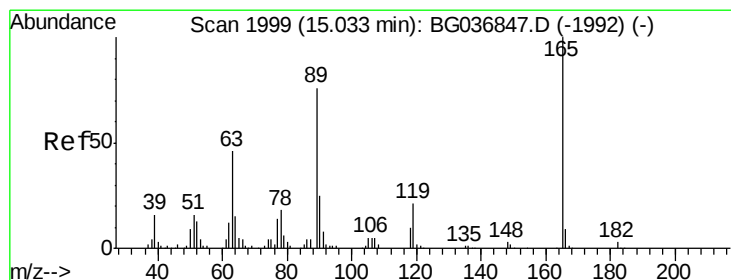
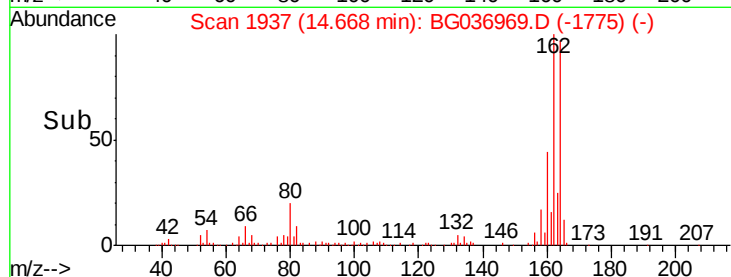
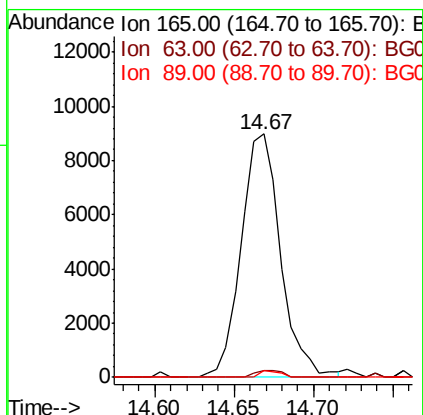
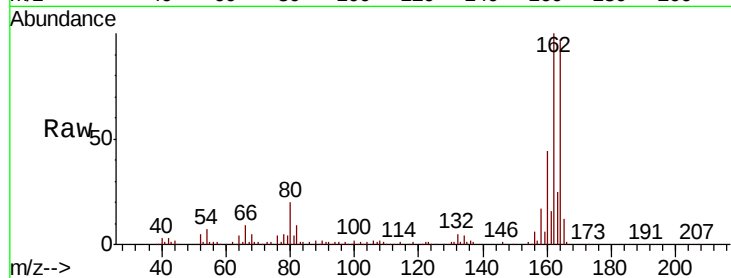




#50
 2,6-Dinitrotoluene
 Concen: 7.274 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036969.D
 Acq: 26 Sep 2018 4:39

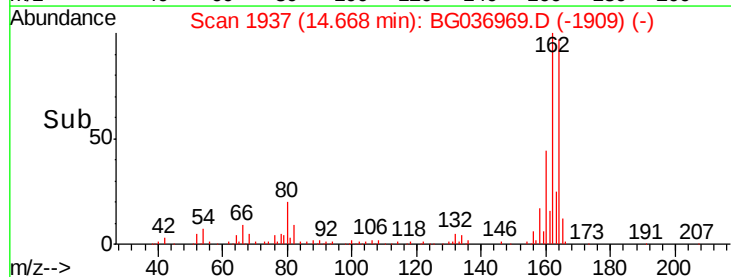
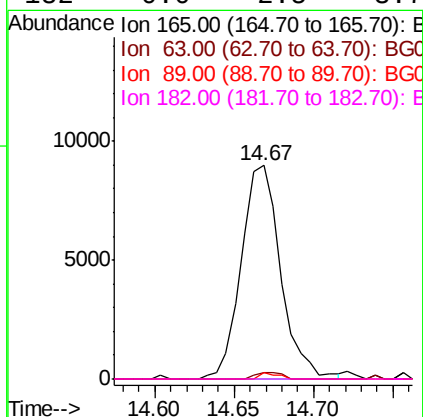
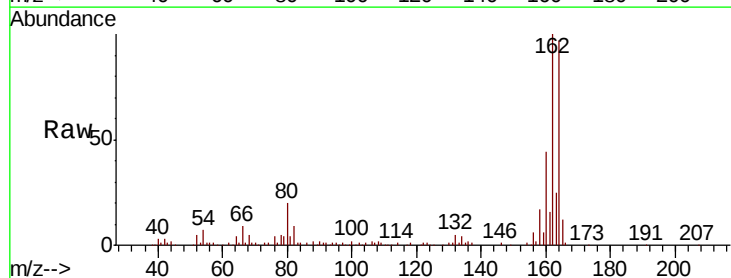
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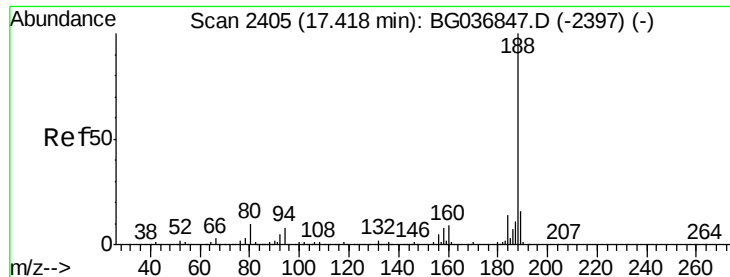
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	50.1	75.1#
89	2.8	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.213 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036969.D
 Acq: 26 Sep 2018 4:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	40.1	60.1#
89	2.8	63.7	95.5#
182	0.0	2.5	3.7#

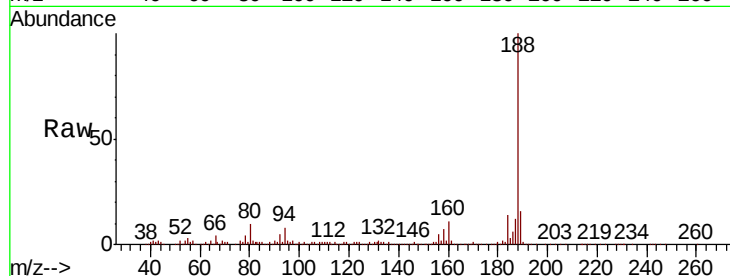




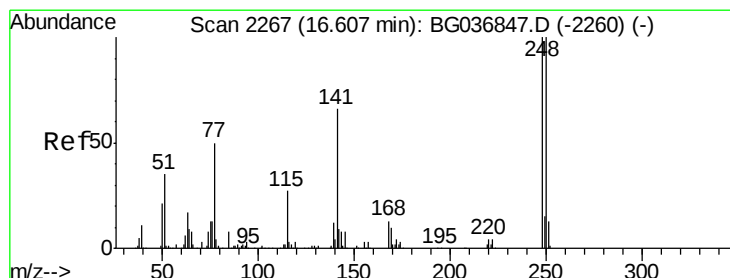
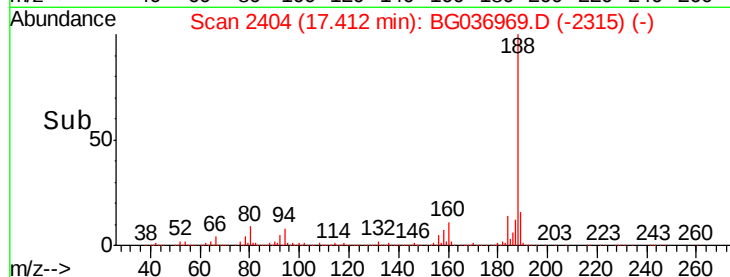
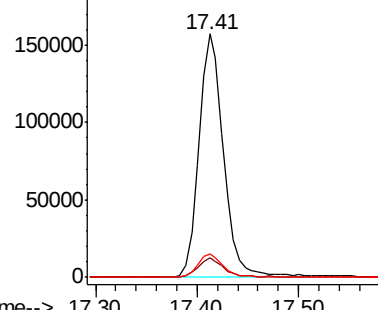
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036969.D
 Acq: 26 Sep 2018 4:39

Instrument :
 BNA_G
 ClientSampleId :
 TP-A

Tgt Ion:188 Resp: 263154
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 9.7 8.1 12.1

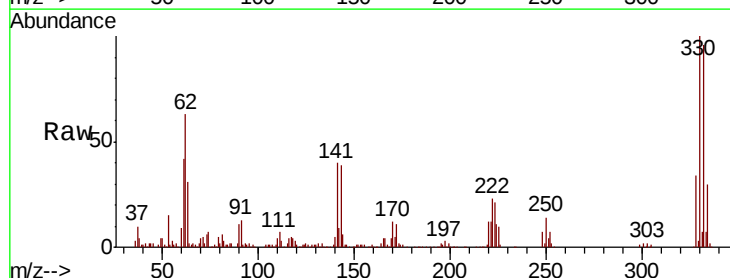


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

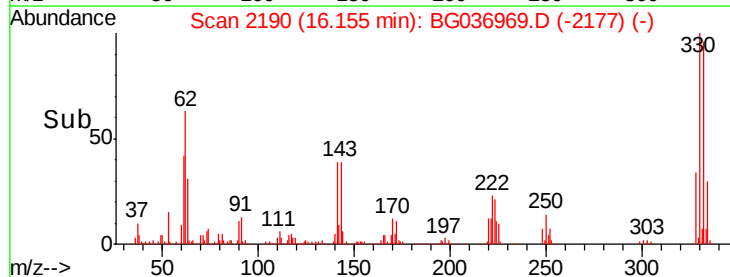
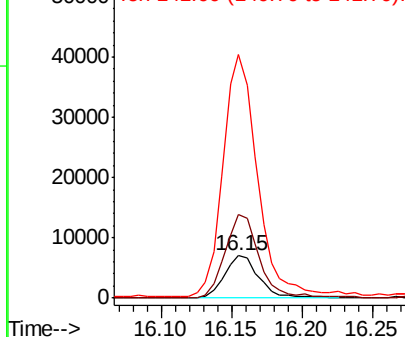


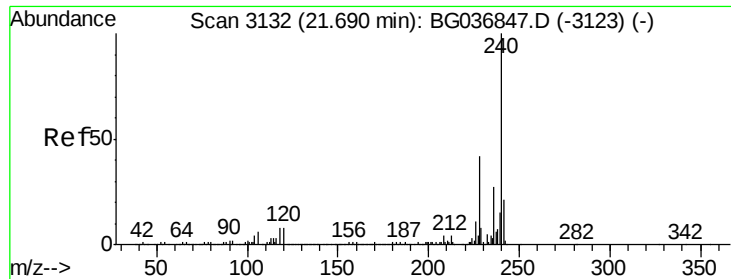
#66
 4-Bromophenyl-phenylether
 Concen: 3.973 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036969.D
 Acq: 26 Sep 2018 4:39

Tgt Ion:248 Resp: 11891
 Ion Ratio Lower Upper
 248 100
 250 195.5 78.1 117.1#
 141 573.4 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

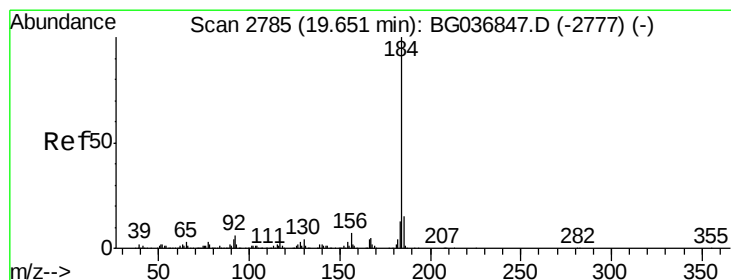
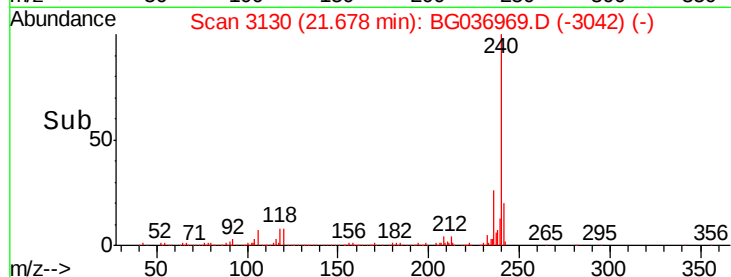
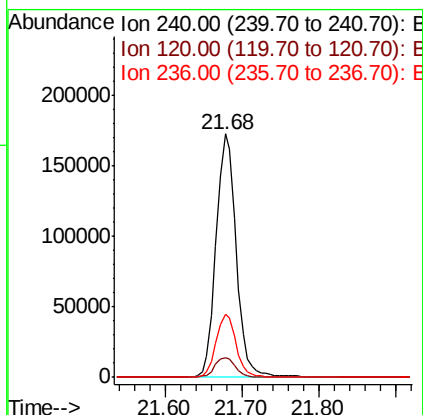
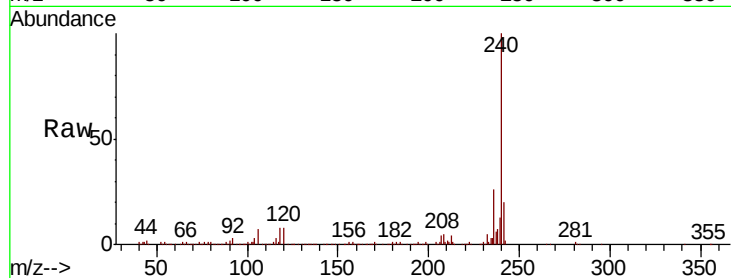




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

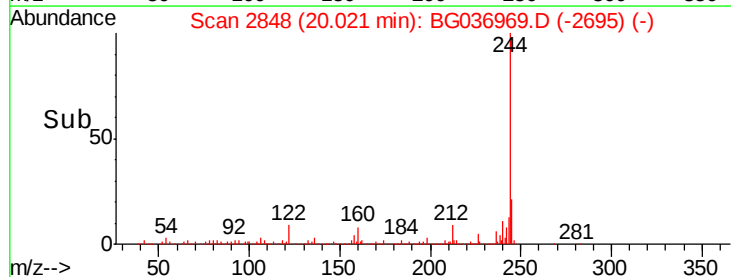
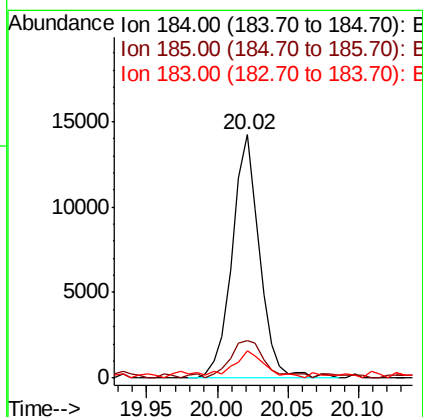
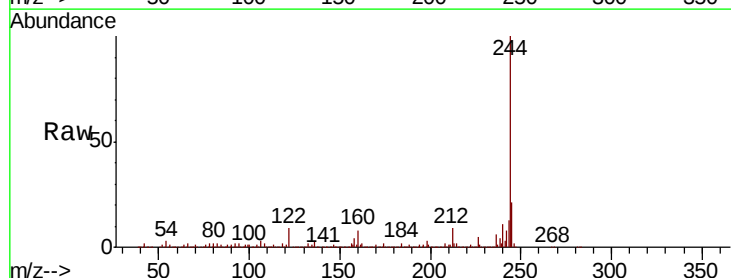
Instrument :
BNA_G
ClientSampleId :
TP-A

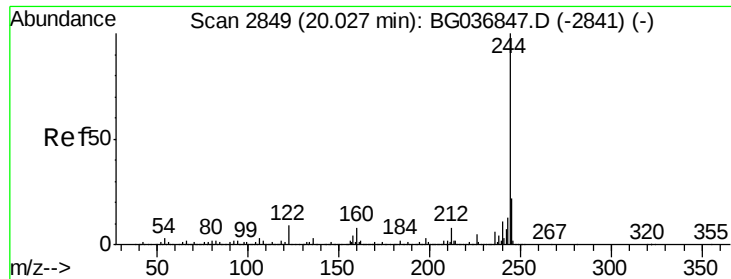
Tgt Ion:240 Resp: 311819
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 25.7 21.2 31.8



#76
Benzidine
Concen: 2.047 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036969.D
Acq: 26 Sep 2018 4:39

Tgt Ion:184 Resp: 19299
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 11.4 10.9 16.3





#78

Terphenyl-d14

Concen: 88.687 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

Instrument :

BNA_G

ClientSampleId :

TP-A

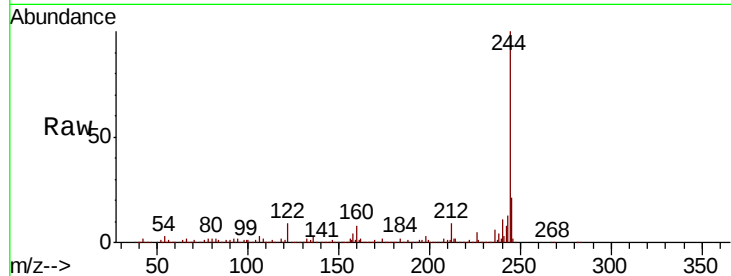
Tgt Ion:244 Resp: 1051695

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

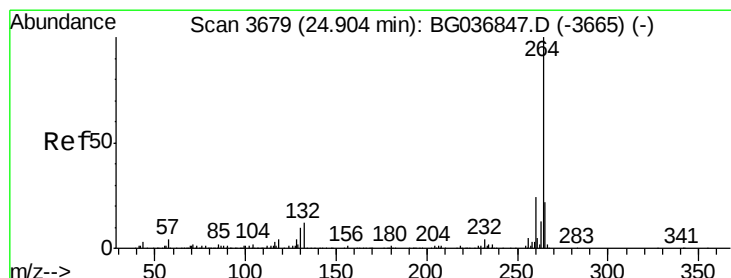
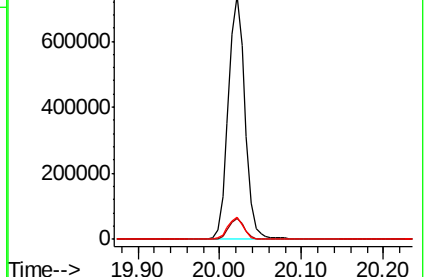
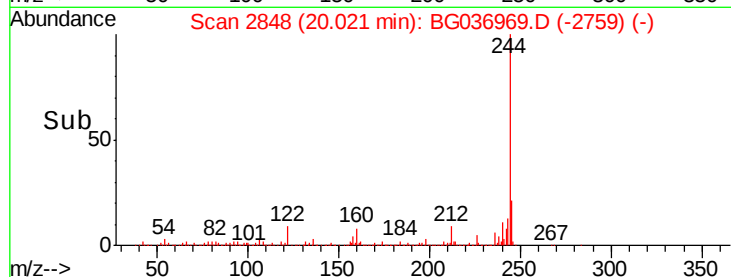
122 9.2 7.1 10.7



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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG036969.D

Acq: 26 Sep 2018 4:39

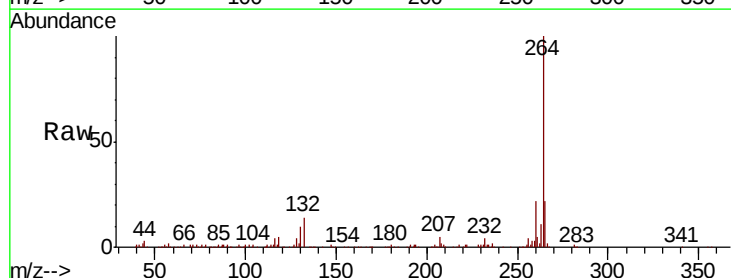
Tgt Ion:264 Resp: 319438

Ion Ratio Lower Upper

264 100

260 22.5 19.6 29.4

265 21.8 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

