

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037036.D
 Acq On : 28 Sep 2018 5:40
 Operator : JU/SJ
 Sample : J5097-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Sep 28 07:47:28 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

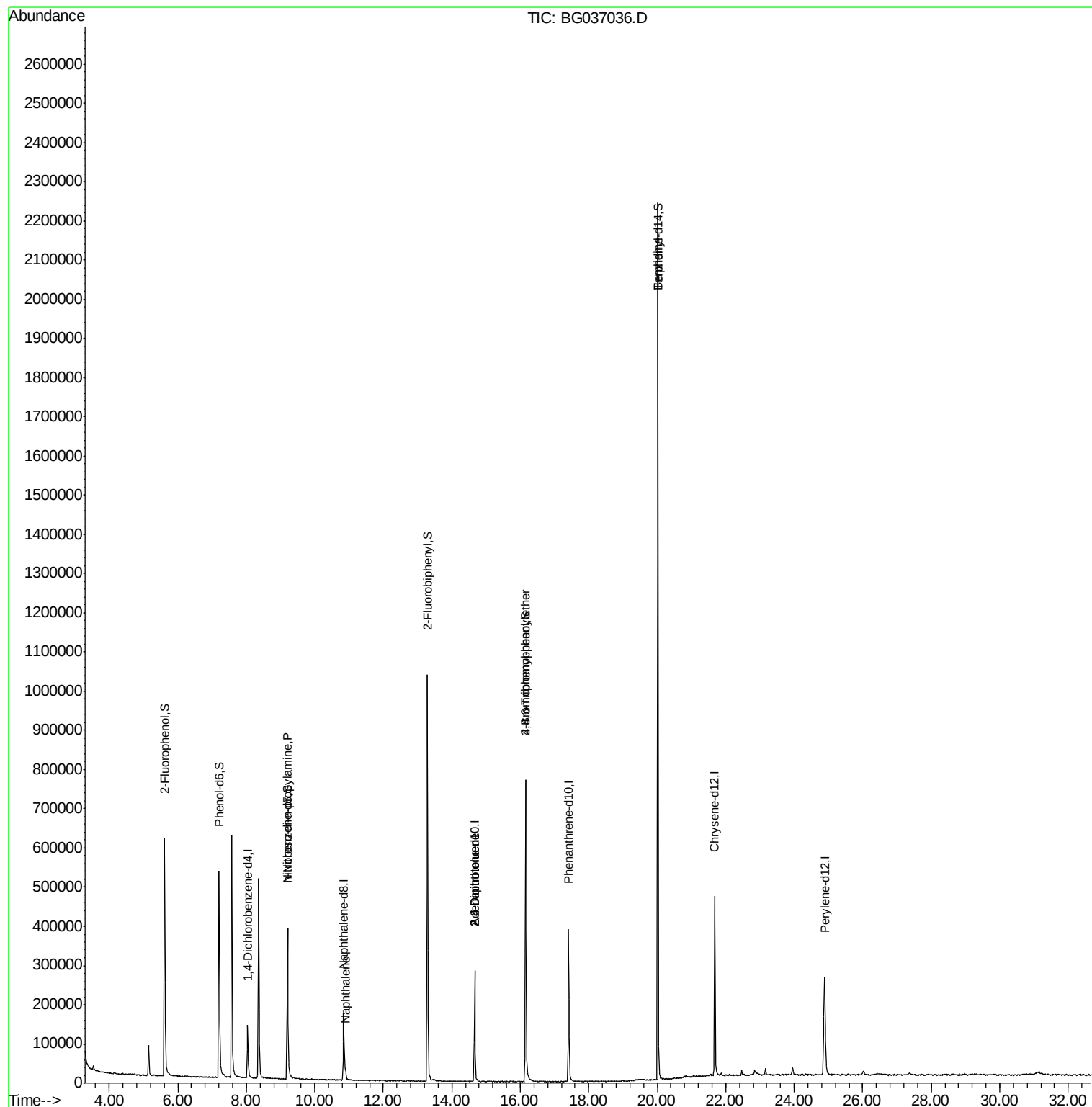
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	44608	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	174964	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	107039	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	284105	20.00	ng	0.00
75) Chrysene-d12	21.68	240	311858	20.00	ng	-0.01
86) Perylene-d12	24.88	264	303581	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	284810	122.45	ng	0.00
7) Phenol-d6	7.20	99	351989	97.81	ng	-0.01
23) Nitrobenzene-d5	9.20	82	285988	87.53	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	161241	125.91	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	592570	82.45	ng	-0.01
78) Terphenyl-d14	20.02	244	1114903	94.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38695	12.925	ng	Qvalue # 71
31) Naphthalene	10.90	128	22767	2.735	ng	96
50) 2,6-Dinitrotoluene	14.67	165	12940	6.884	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	12940	4.933	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11270	3.488	ng	# 1
76) Benzidine	20.02	184	19374	2.055	ng	# 94

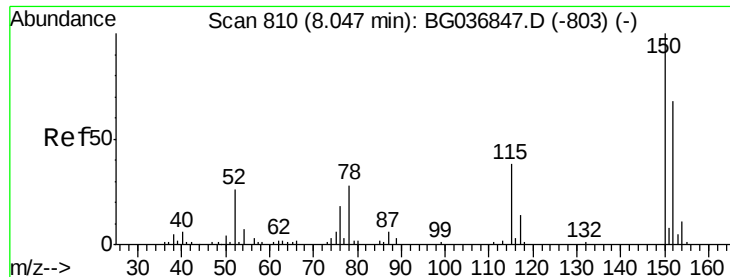
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

Instrument :

BNA_G

ClientSampleId :

TP-3

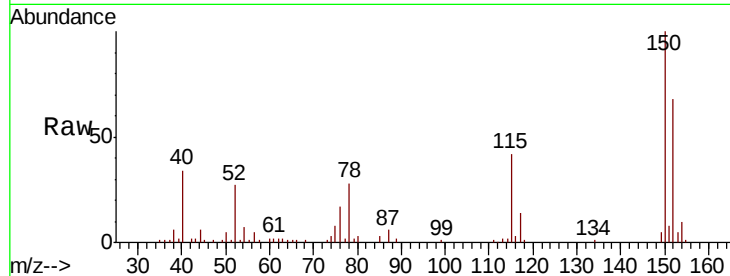
Tgt Ion:152 Resp: 44608

Ion Ratio Lower Upper

152 100

150 146.9 119.5 179.3

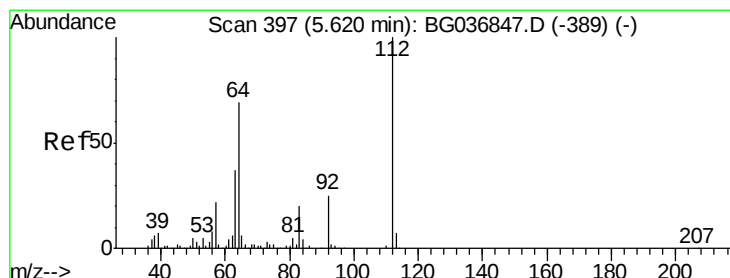
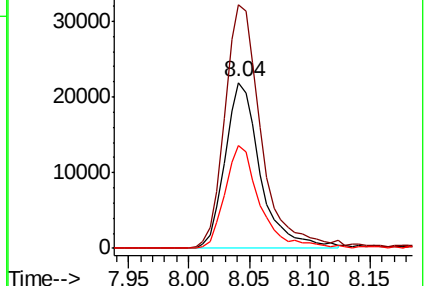
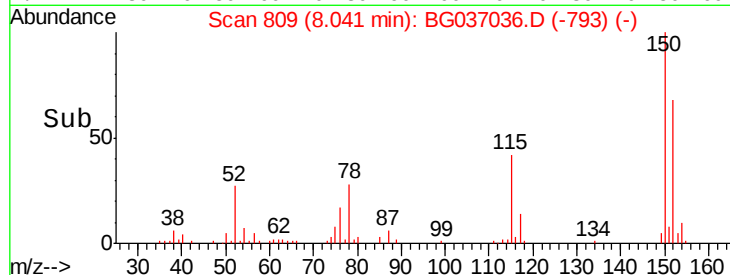
115 62.3 44.5 66.7



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: 122.445 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

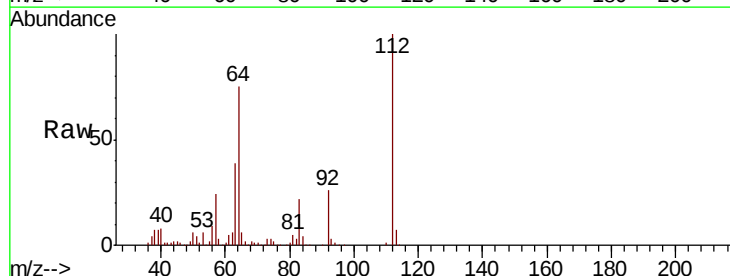
Tgt Ion:112 Resp: 284810

Ion Ratio Lower Upper

112 100

64 75.1 57.2 85.8

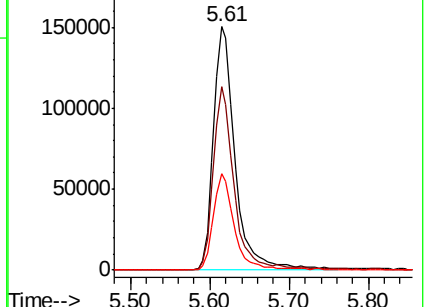
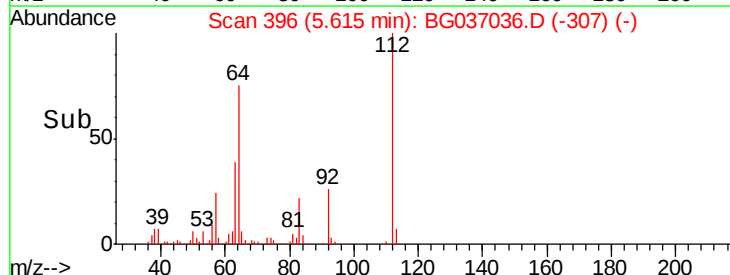
63 39.5 30.8 46.2



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: 97.809 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

Instrument :

BNA_G

ClientSampleId :

TP-3

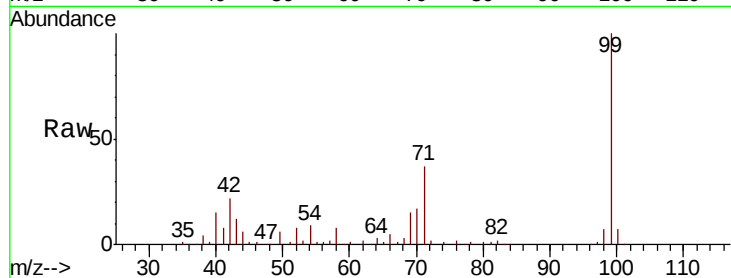
Tgt Ion: 99 Resp: 351989

Ion Ratio Lower Upper

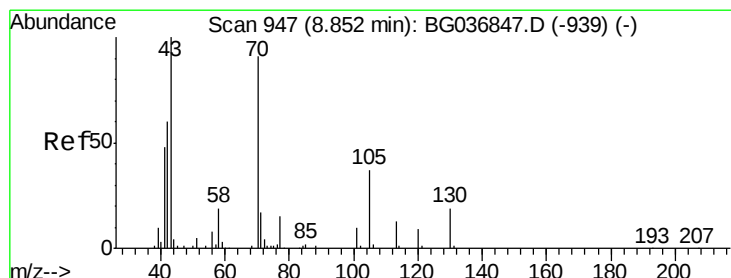
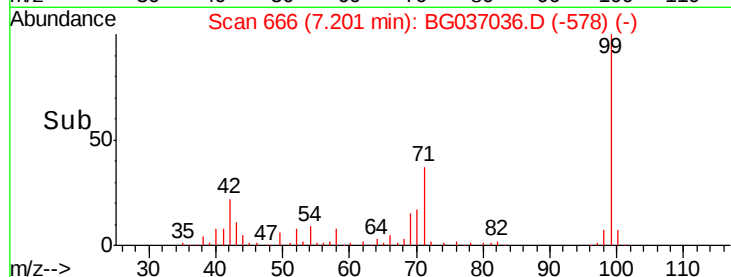
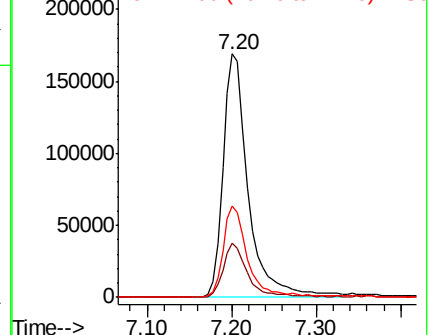
99 100

42 22.2 16.5 24.7

71 37.4 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: 12.925 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

Tgt Ion: 70 Resp: 38695

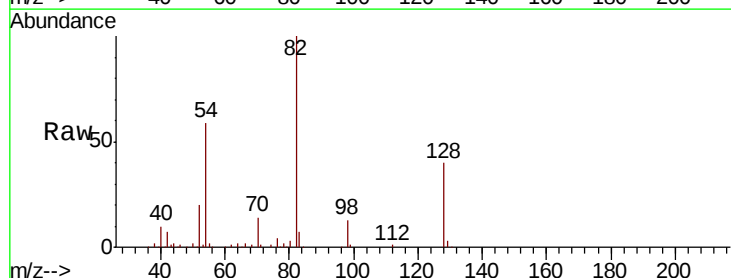
Ion Ratio Lower Upper

70 100

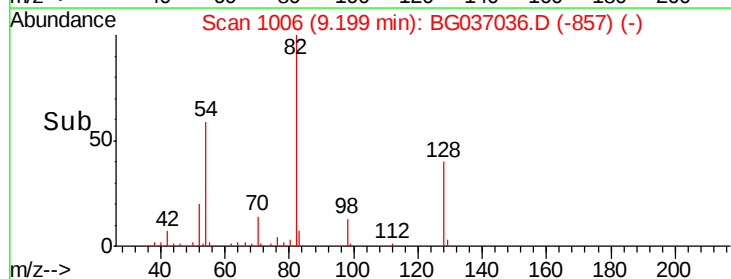
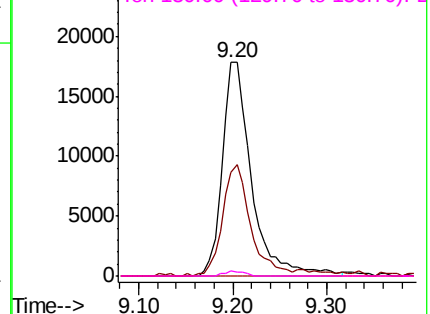
42 48.6 56.2 84.4#

101 0.0 7.8 11.6#

130 2.6 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

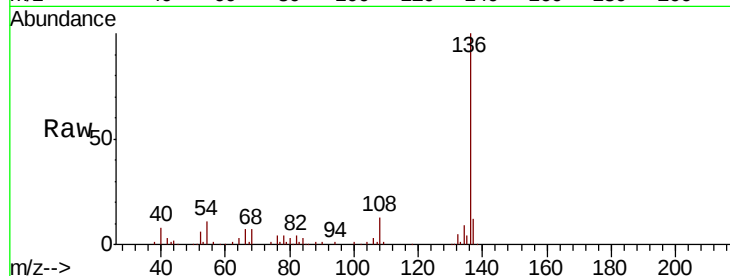




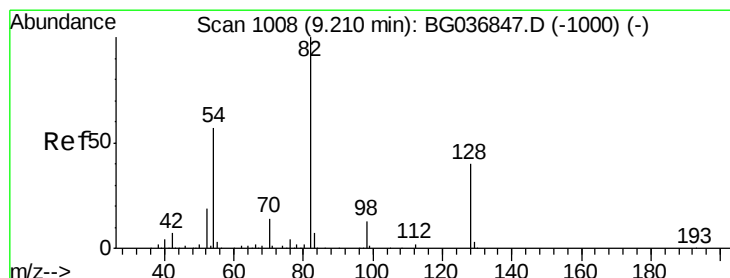
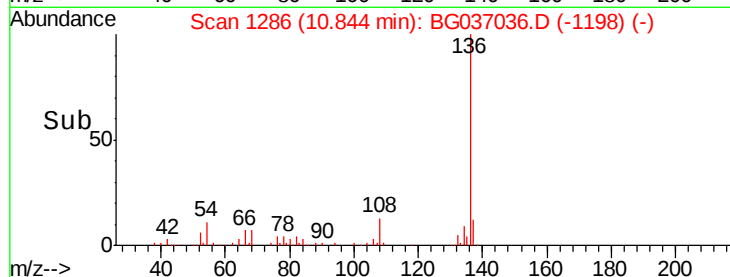
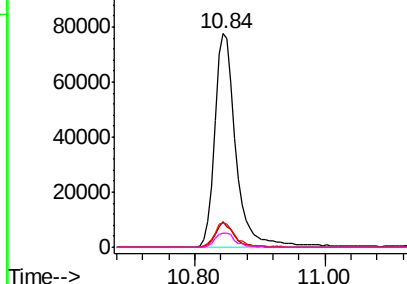
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037036.D
Acq: 28 Sep 2018 5:40

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:	136	Resp:	174964
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.8	13.2
54	11.3	9.2	13.8
68	6.6	5.8	8.6

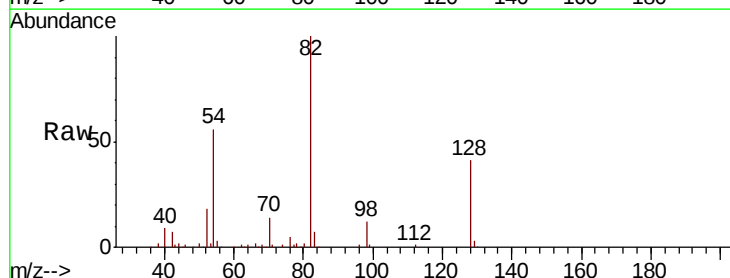


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

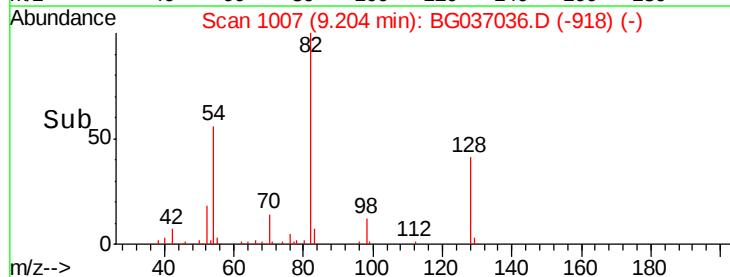
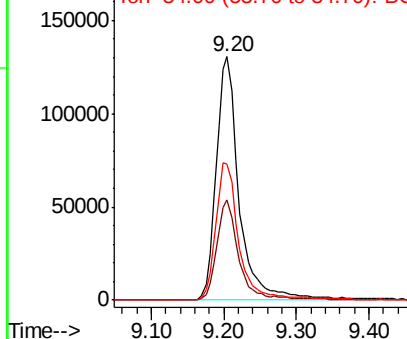


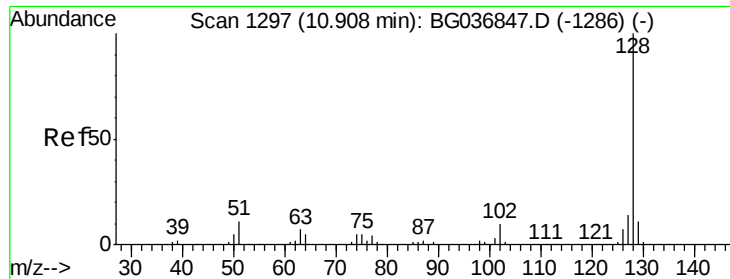
#23
Nitrobenzene-d5
Concen: 87.532 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037036.D
Acq: 28 Sep 2018 5:40

Tgt Ion:	82	Resp:	285988
Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.3	49.9
54	56.1	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

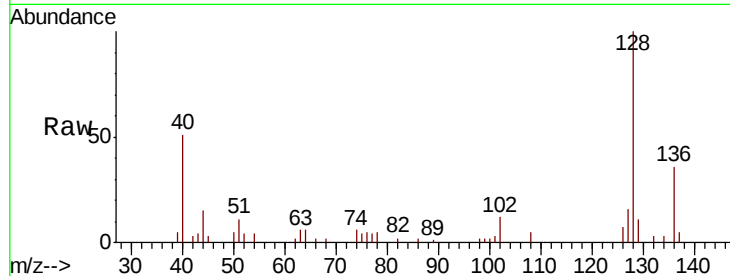




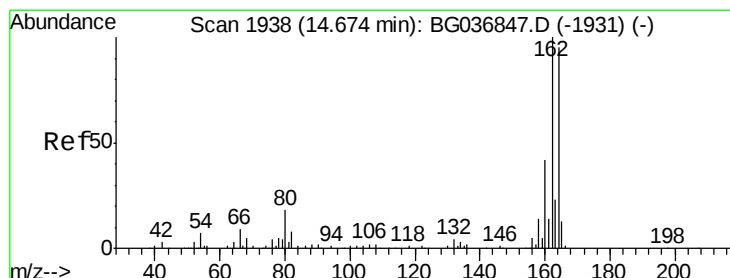
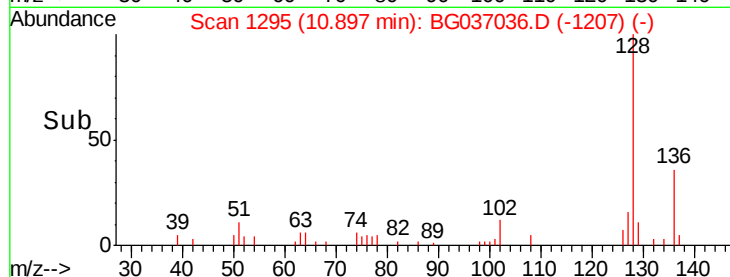
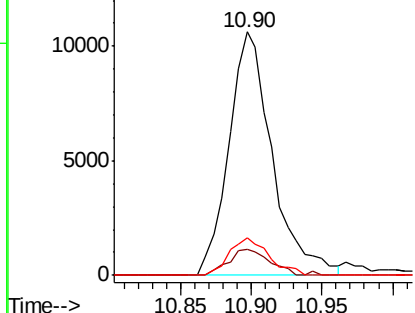
#31
Naphthalene
Concen: 2.735 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG037036.D
Acq: 28 Sep 2018 5:40

Instrument :
BNA_G
ClientSampled :
TP-3

Tgt Ion:128 Resp: 22767
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.2
127 15.6 11.0 16.4

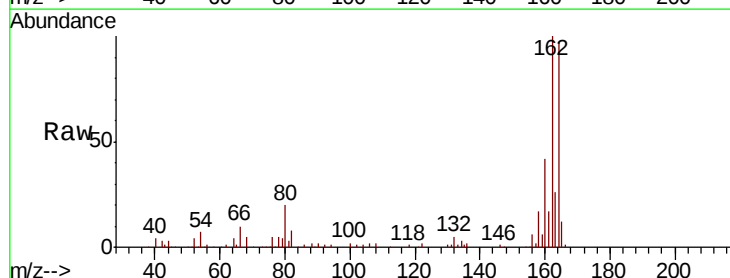


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

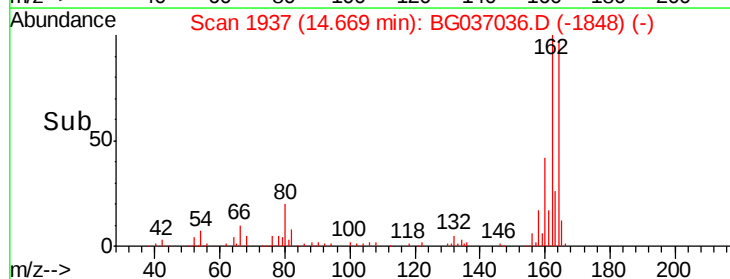
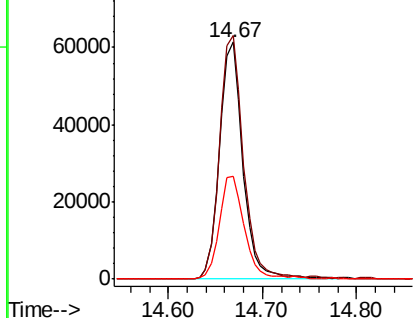


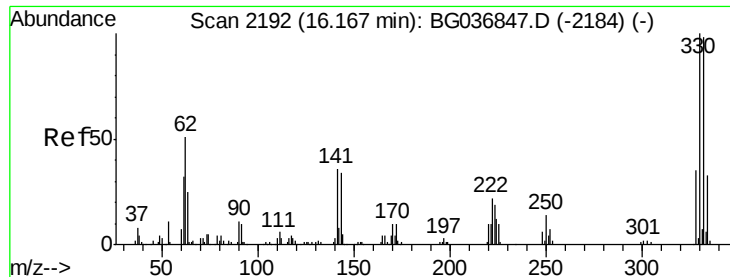
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG037036.D
Acq: 28 Sep 2018 5:40

Tgt Ion:164 Resp: 107039
Ion Ratio Lower Upper
164 100
162 102.9 80.7 121.1
160 43.6 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

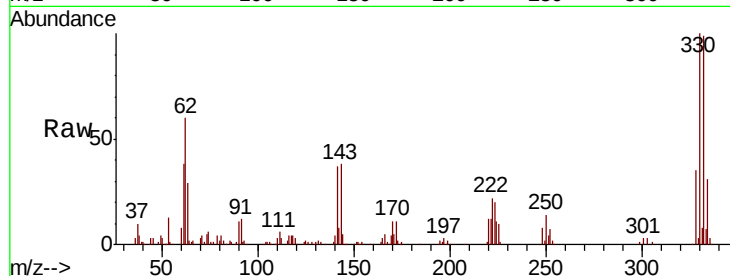




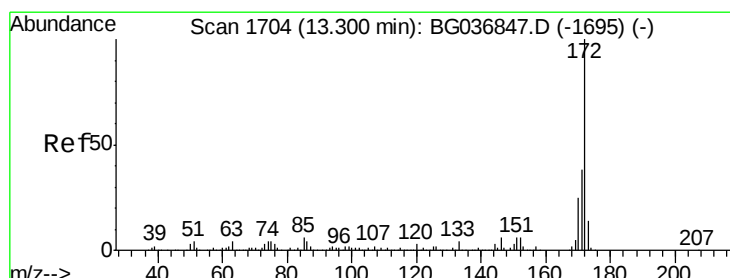
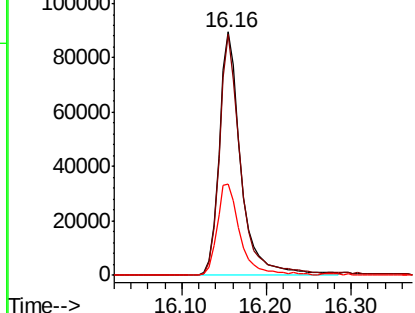
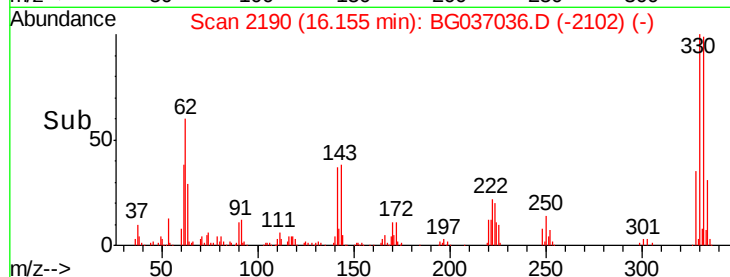
#41
 2,4,6-Tribromophenol
 Concen: 125.905 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.2
141	39.8	30.7	46.1

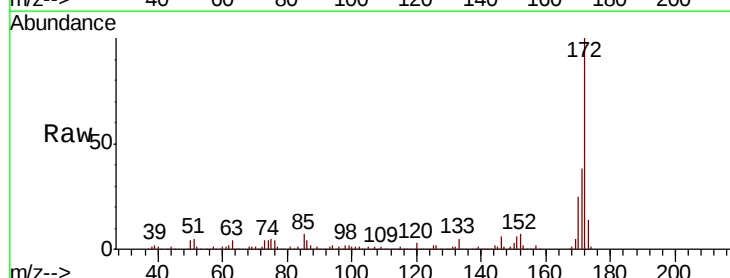


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

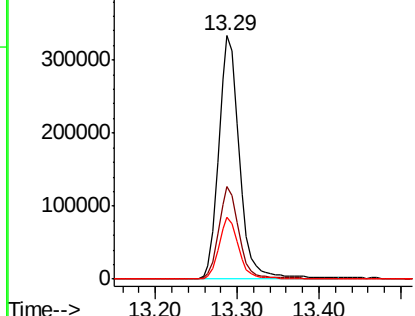
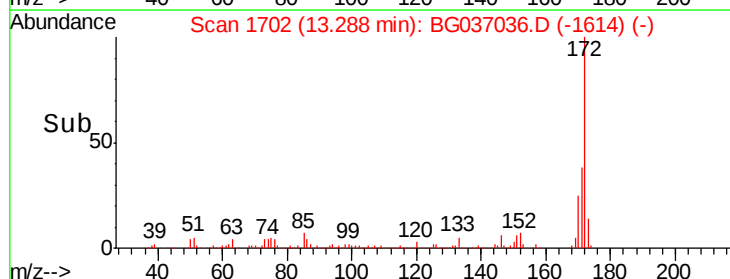


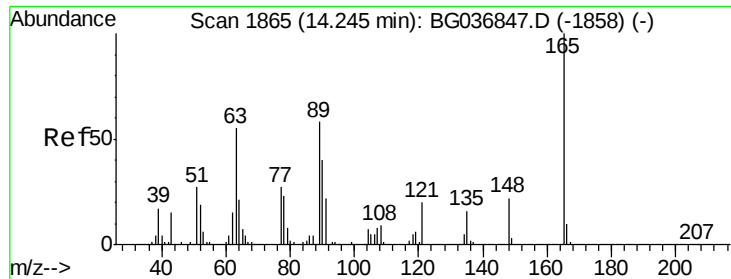
#44
 2-Fluorobiphenyl
 Concen: 82.453 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	25.3	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

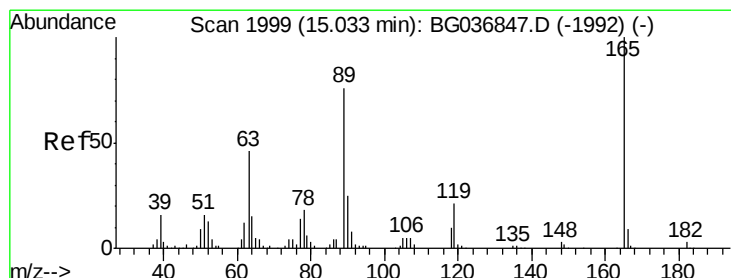
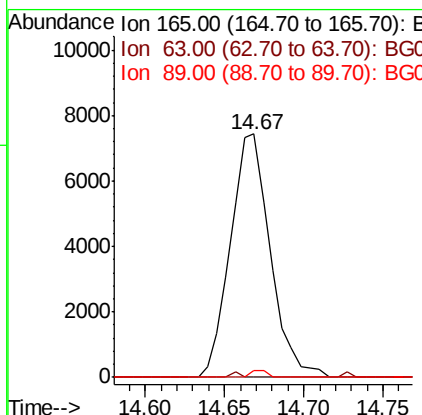
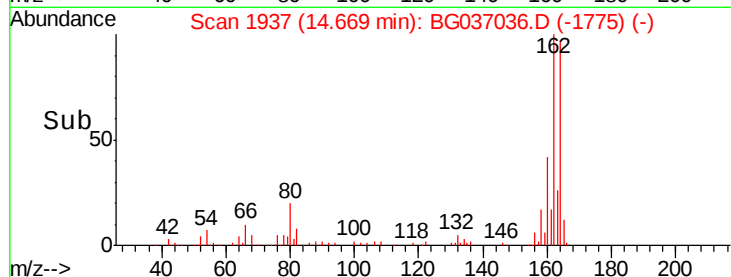
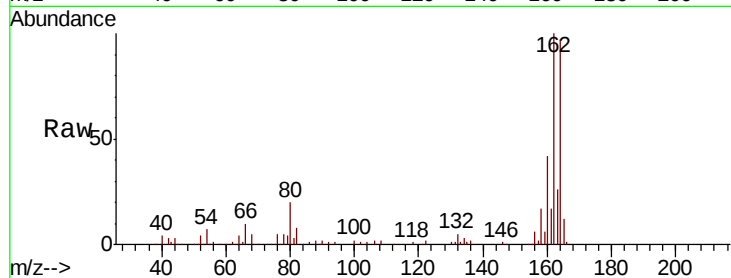




#50
 2,6-Dinitrotoluene
 Concen: 6.884 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

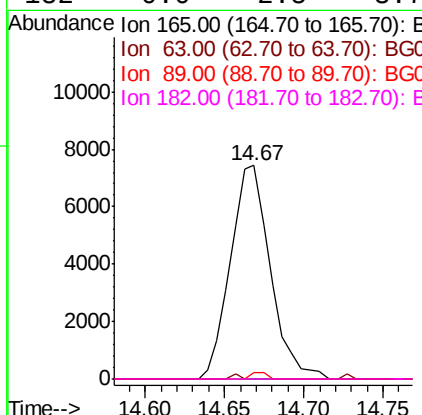
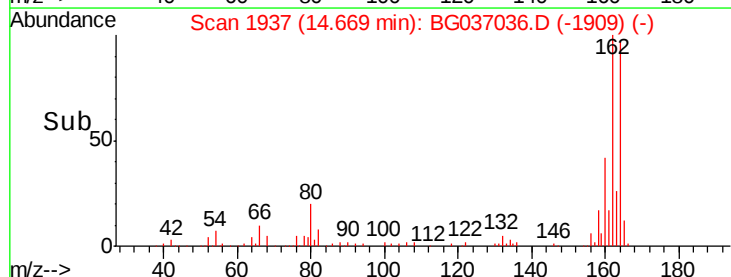
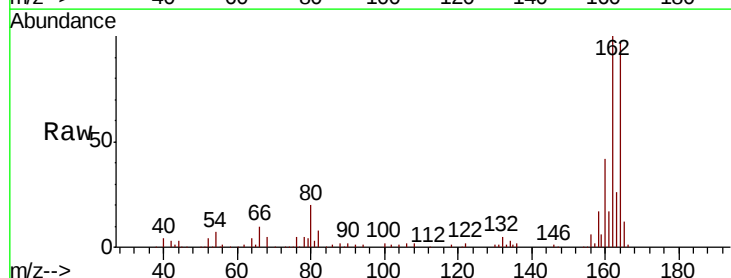
Instrument :
 BNA_G
 ClientSampleId :
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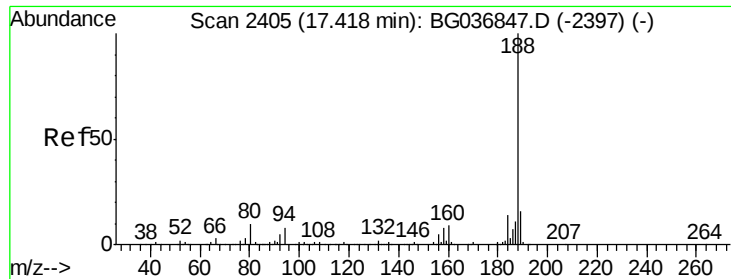
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	3.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 4.933 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.0	63.7	95.5#
182	0.0	2.5	3.7#

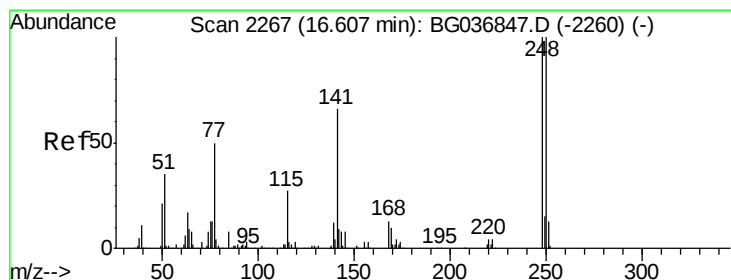
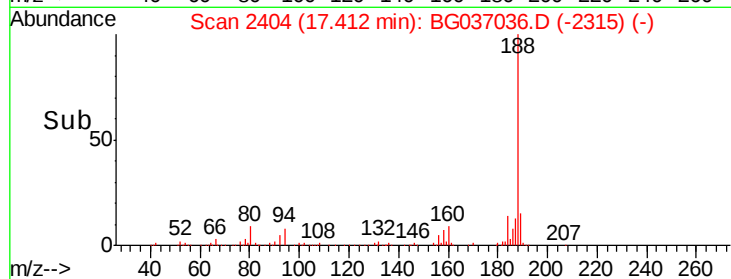
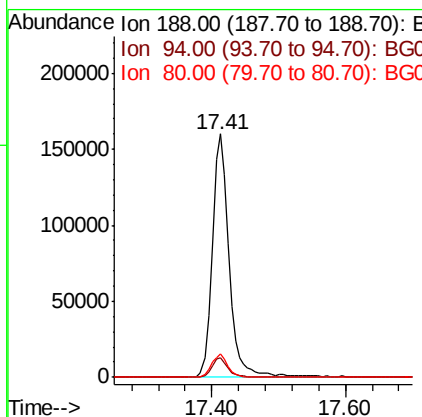
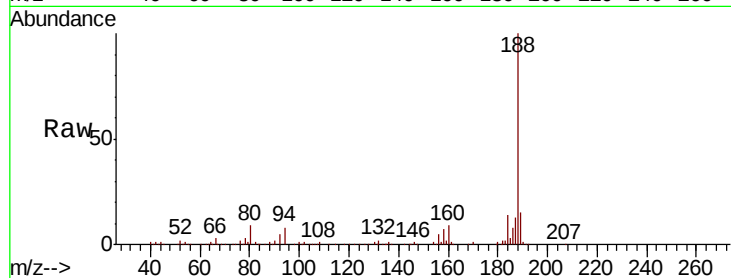




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

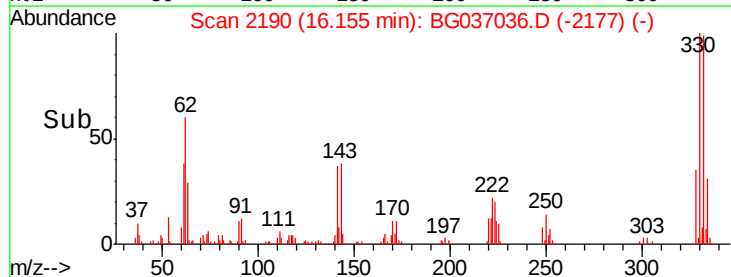
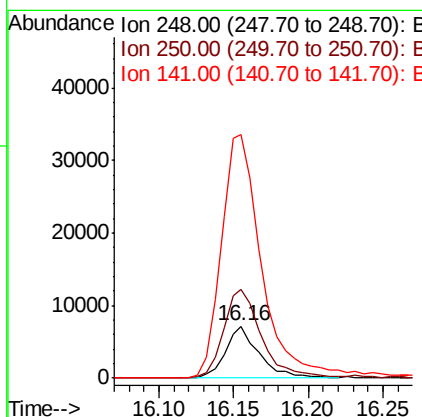
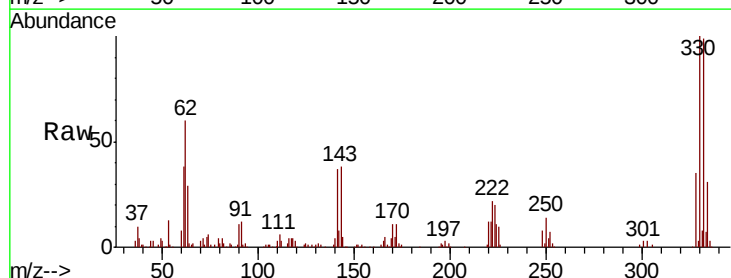
Instrument :
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 ClientSampleId :
 TP-3

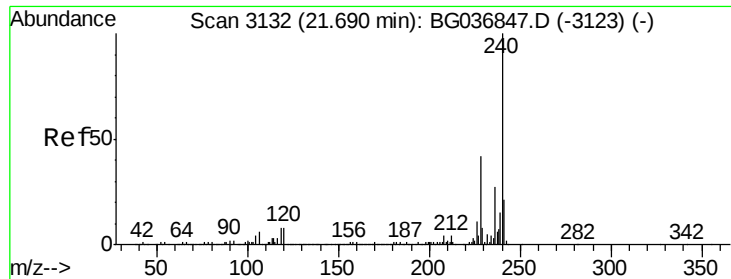
Tgt Ion:188 Resp: 284105
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 9.4 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.488 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG037036.D
 Acq: 28 Sep 2018 5:40

Tgt Ion:248 Resp: 11270
 Ion Ratio Lower Upper
 248 100
 250 172.2 78.1 117.1#
 141 470.9 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

Instrument :

BNA_G

ClientSampleId :

TP-3

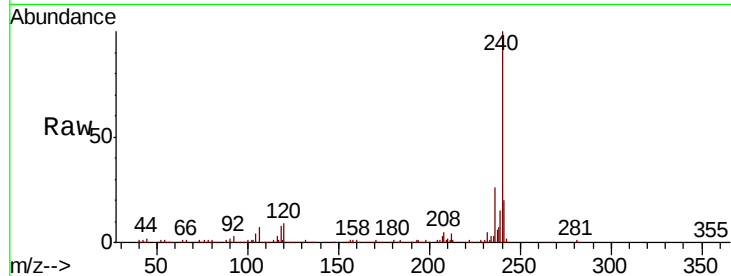
Tgt Ion:240 Resp: 311858

Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

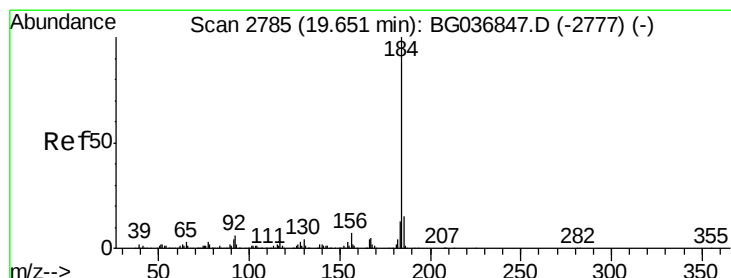
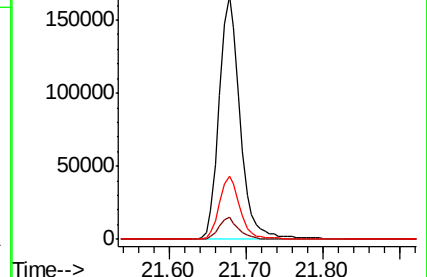
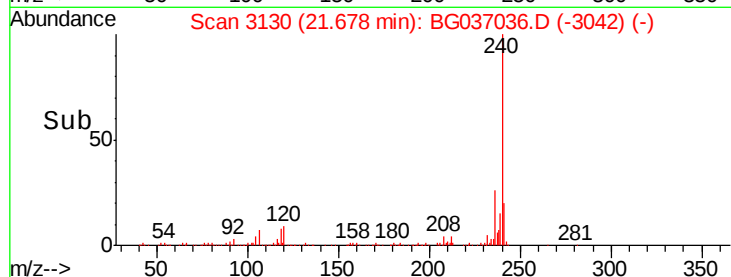
236 26.2 21.2 31.8



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



#76

Benzidine

Concen: 2.055 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

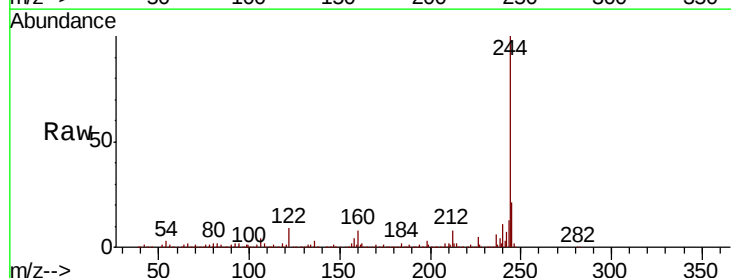
Tgt Ion:184 Resp: 19374

Ion Ratio Lower Upper

184 100

185 15.0 12.6 18.8

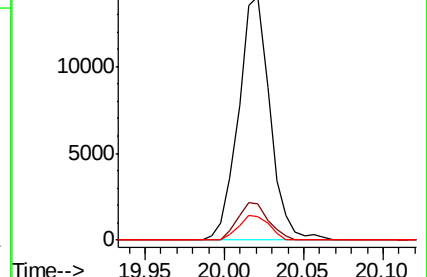
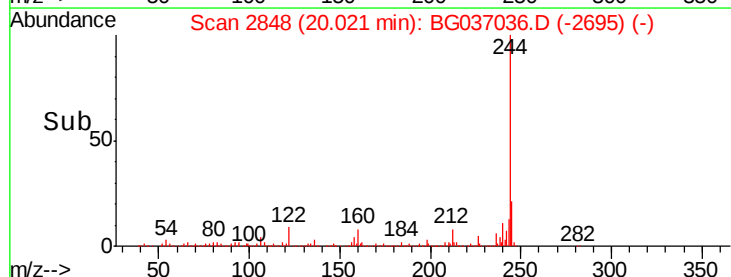
183 9.4 10.9 16.3#

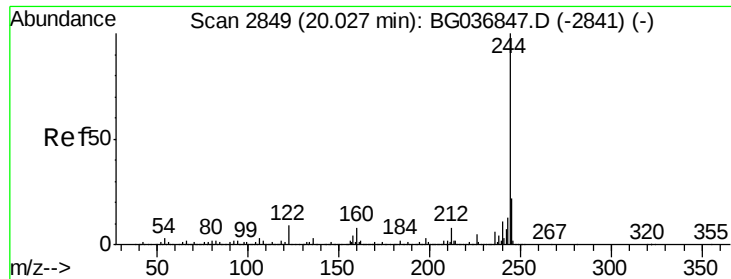


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.005 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037036.D

Acq: 28 Sep 2018 5:40

Instrument :

BNA_G

ClientSampleId :

TP-3

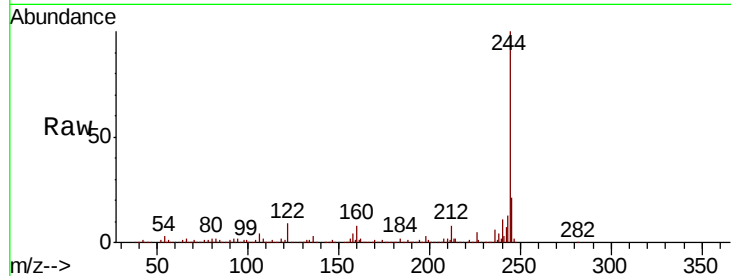
Tgt Ion:244 Resp: 1114903

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

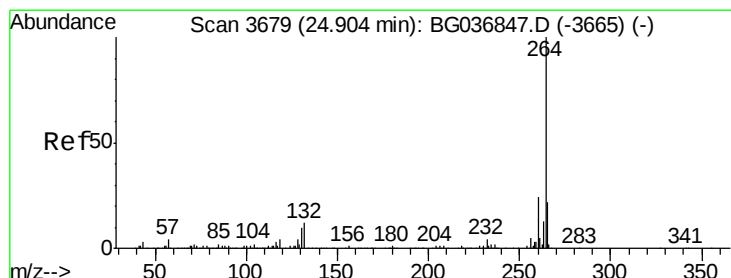
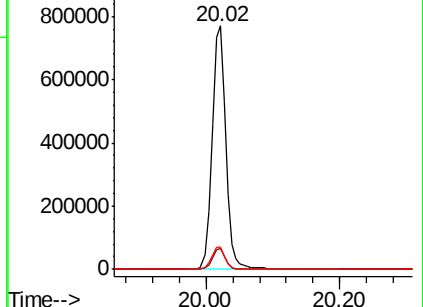
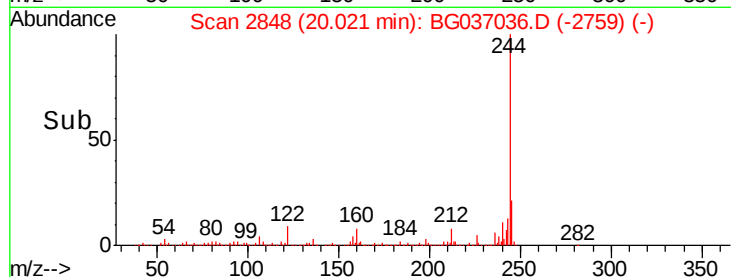
122 9.1 7.1 10.7



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: BG037036.D

Acq: 28 Sep 2018 5:40

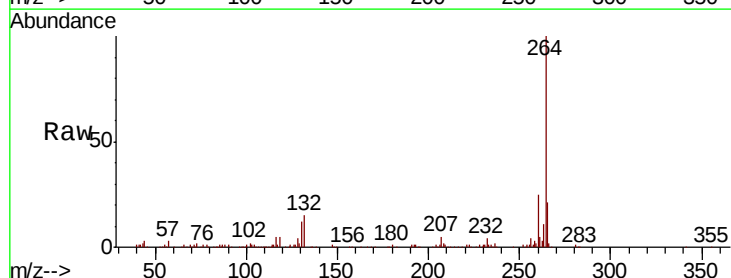
Tgt Ion:264 Resp: 303581

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 20.6 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

