

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
 Data File : BG037210.D
 Acq On : 6 Oct 2018 13:18
 Operator : JU/SJ
 Sample : J5204-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-100318-B

Quant Time: Oct 08 04:47:33 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

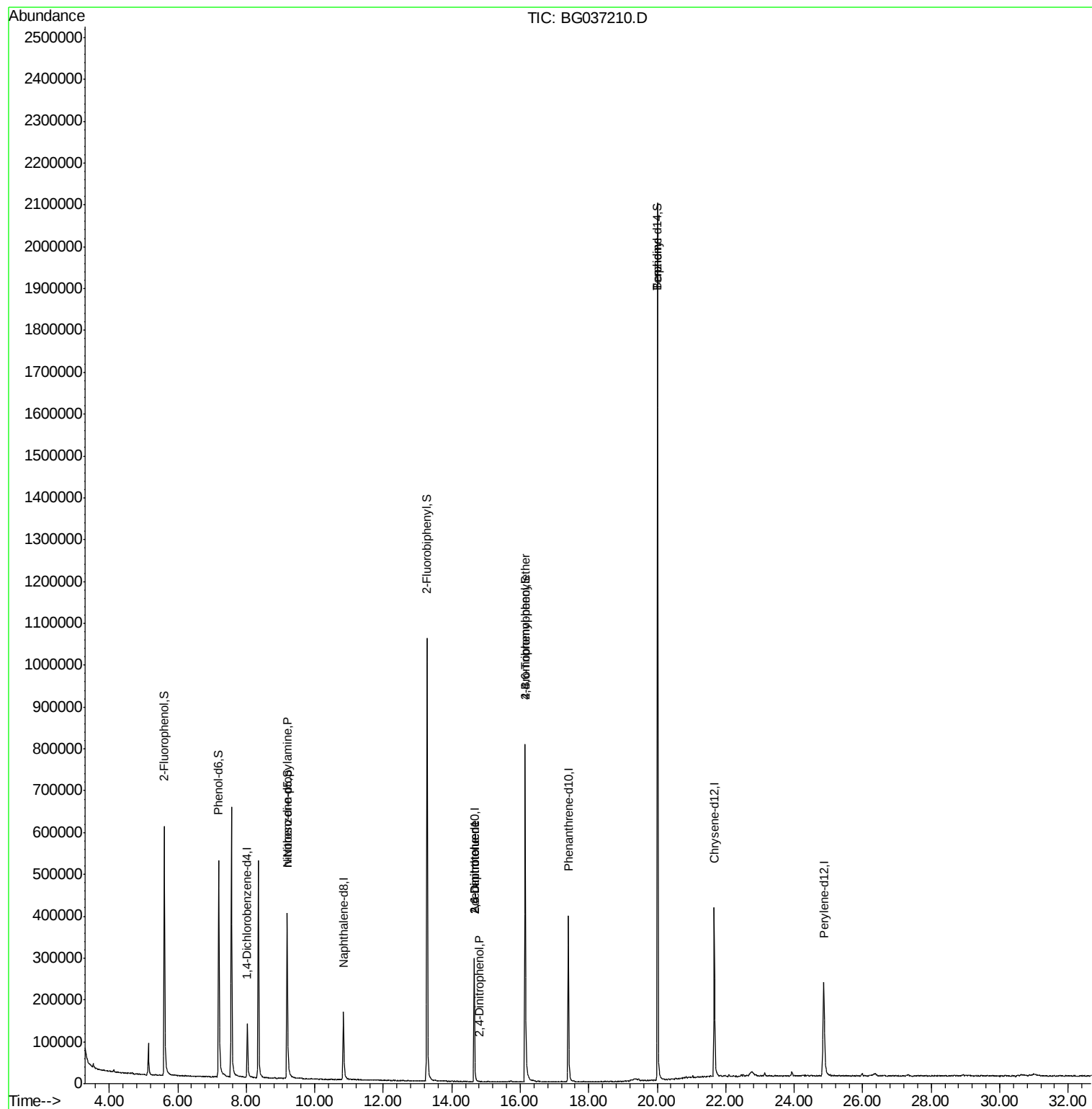
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44008	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	172984	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	110981	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	291826	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	293723	20.00	ng	-0.02
86) Perylene-d12	24.86	264	282501	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	292188	127.33	ng	-0.01
7) Phenol-d6	7.19	99	359428	101.24	ng	-0.02
23) Nitrobenzene-d5	9.19	82	305166	94.47	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	164690	124.03	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	625068	83.89	ng	-0.02
78) Terphenyl-d14	20.01	244	1090399	97.62	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	38565	13.057	ng	# 70
50) 2,6-Dinitrotoluene	14.65	165	14370	7.373	ng	# 20
53) 2,4-Dinitrophenol	14.80	184	58	7.707	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14370	5.284	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	11406	3.436	ng	# 1
76) Benzidine	20.01	184	18860	2.124	ng	# 93

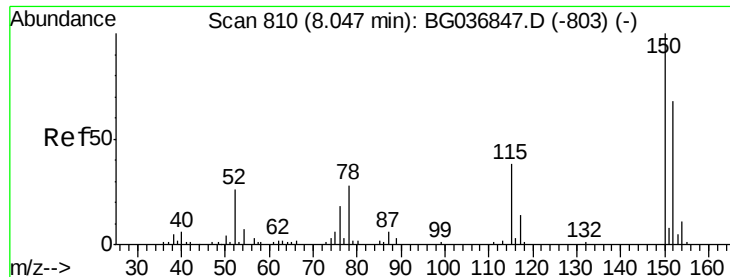
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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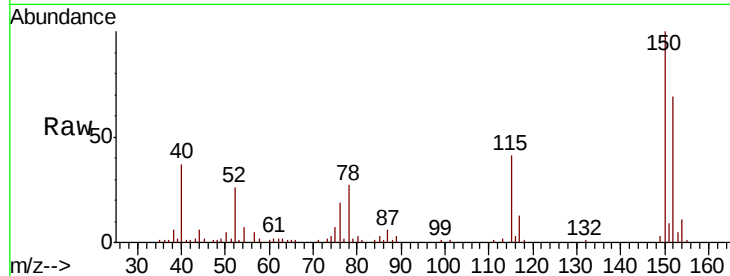


#1

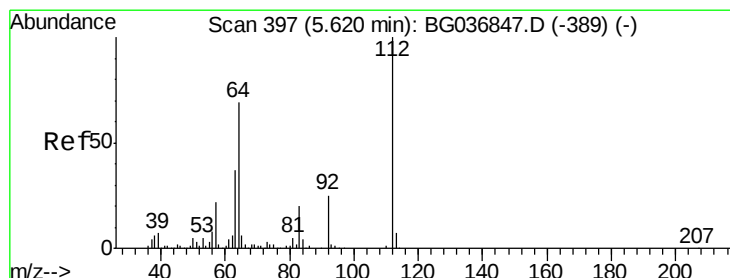
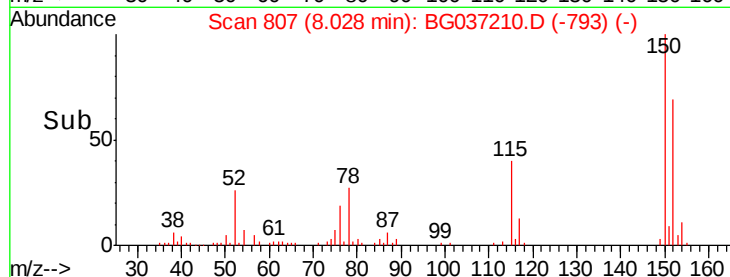
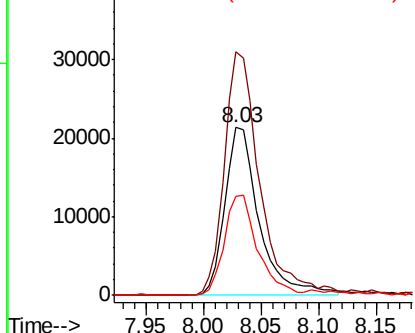
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Instrument :
BNA_G
ClientSampleId :
SU-04-100318-B

Tgt Ion:152 Resp: 44008
Ion Ratio Lower Upper
152 100
150 145.3 119.5 179.3
115 59.3 44.5 66.7



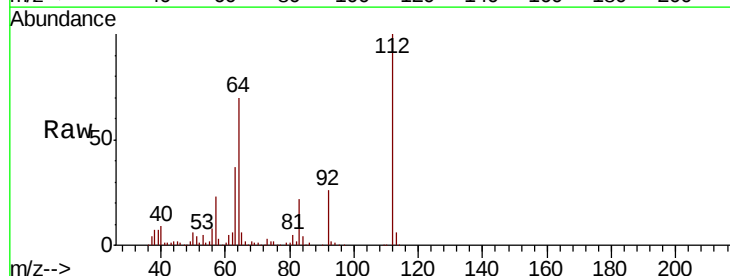
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



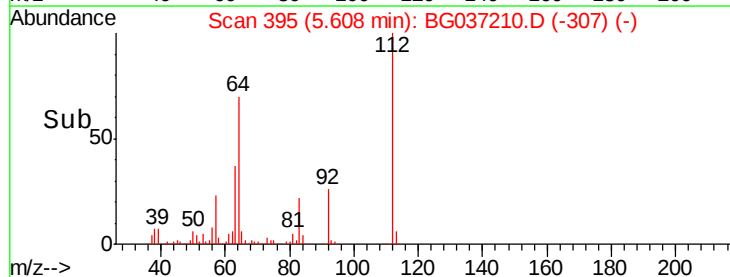
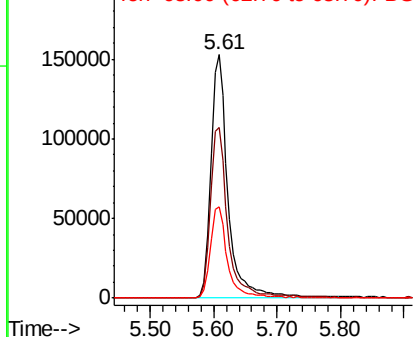
#5

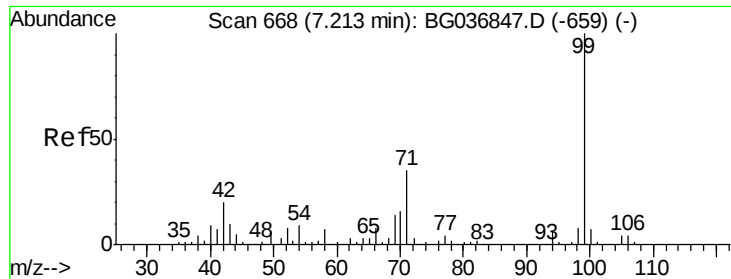
2-Fluorophenol
Concen: 127.330 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Tgt Ion:112 Resp: 292188
Ion Ratio Lower Upper
112 100
64 70.2 57.2 85.8
63 37.5 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: 101.238 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

Instrument :

BNA_G

ClientSampleId :

SU-04-100318-B

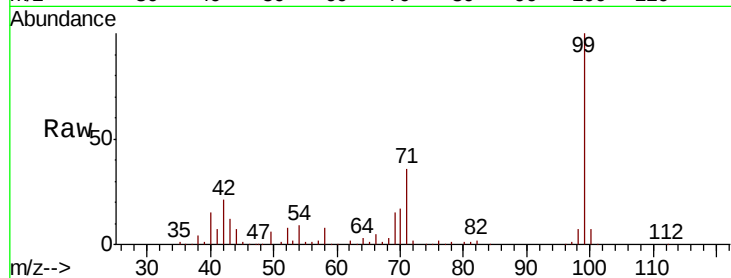
Tgt Ion: 99 Resp: 359428

Ion Ratio Lower Upper

99 100

42 21.1 16.5 24.7

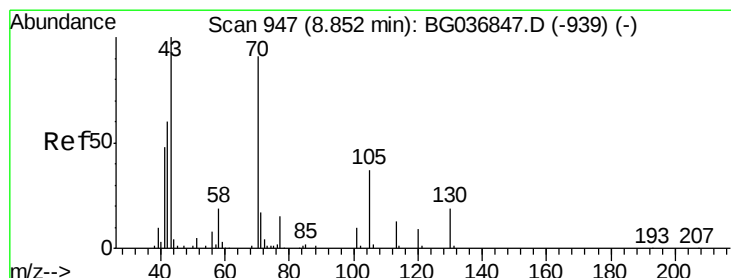
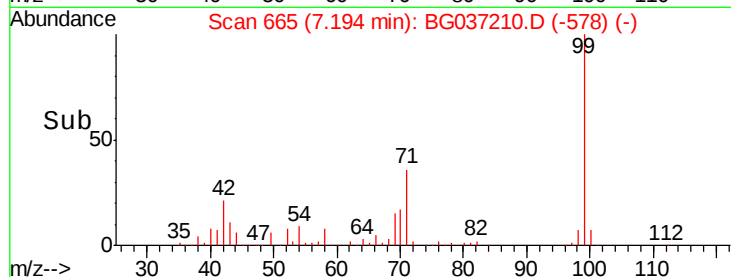
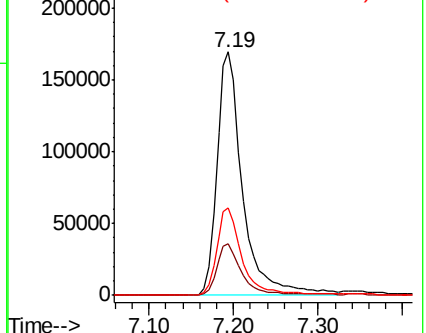
71 36.0 29.4 44.2



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: 13.057 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

Tgt Ion: 70 Resp: 38565

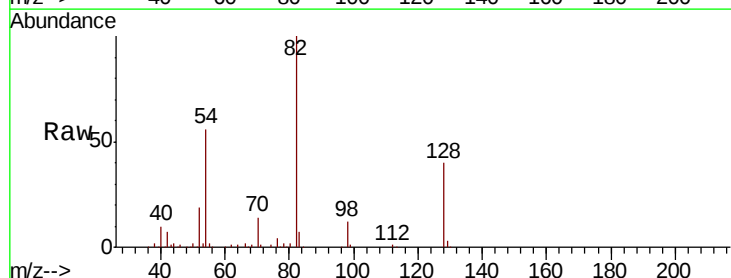
Ion Ratio Lower Upper

70 100

42 47.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#

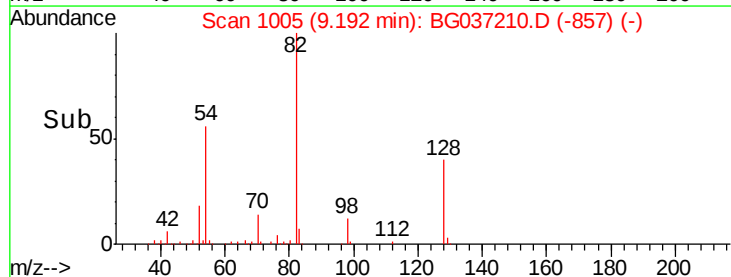
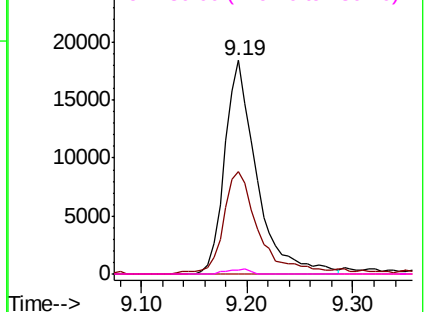


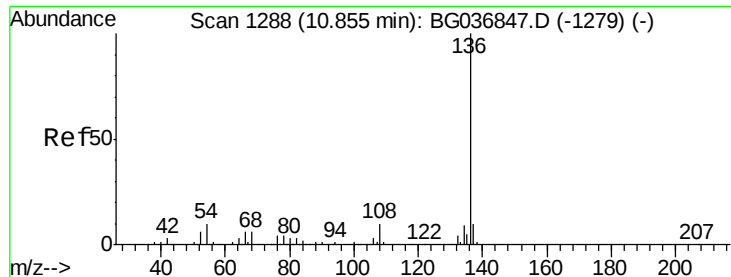
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

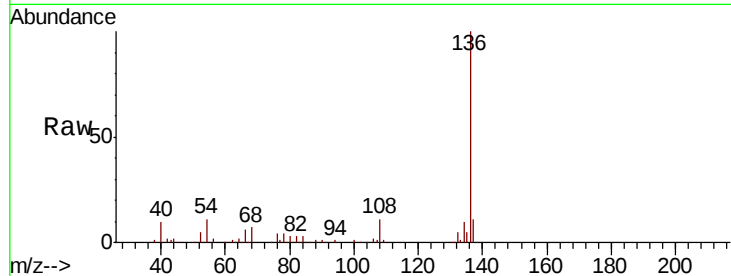




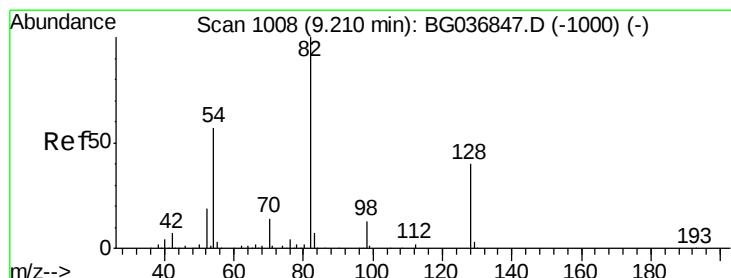
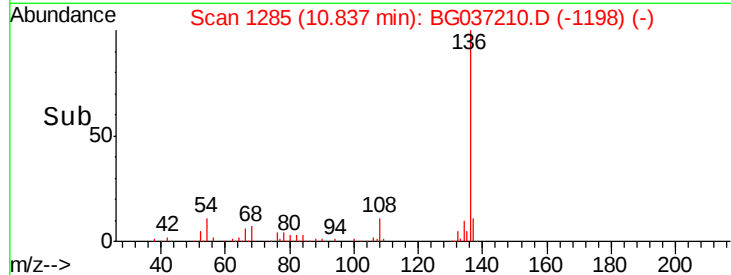
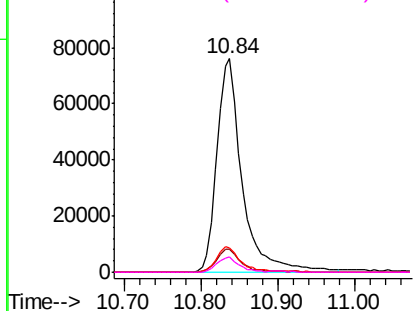
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Instrument :
BNA_G
ClientSampleId :
SU-04-100318-B

Tgt Ion:	136	Resp:	172984
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	11.2	9.2	13.8
68	7.1	5.8	8.6

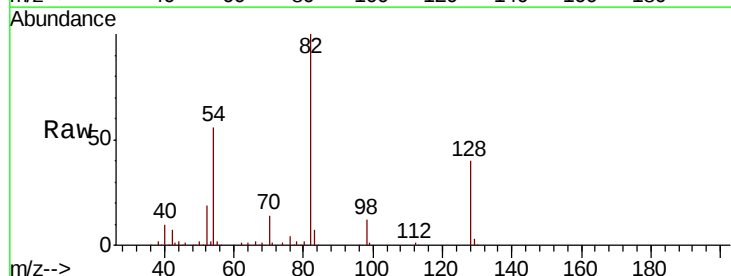


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

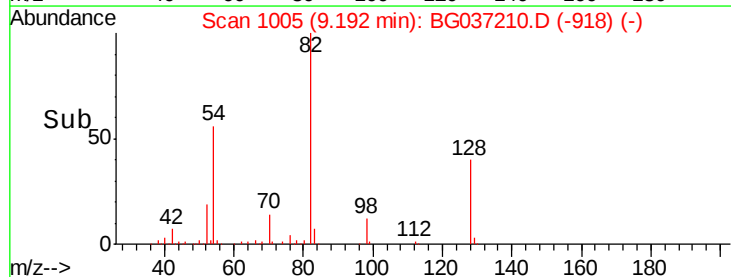
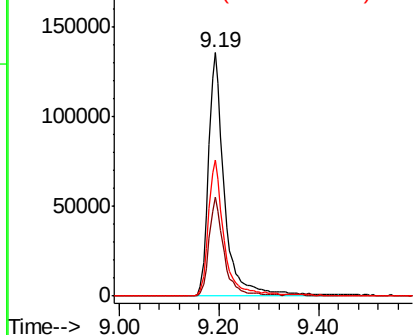


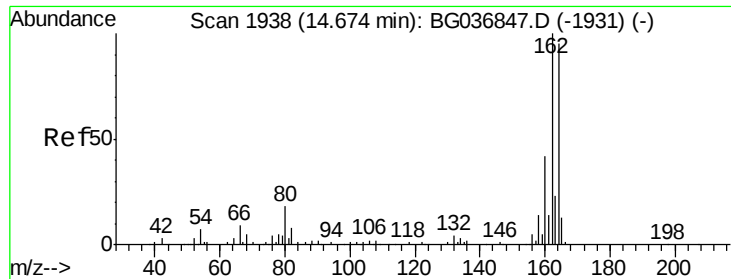
#23
Nitrobenzene-d5
Concen: 94.471 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Tgt Ion:	82	Resp:	305166
Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.3	49.9
54	55.9	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

Instrument :

BNA_G

ClientSampleId :

SU-04-100318-B

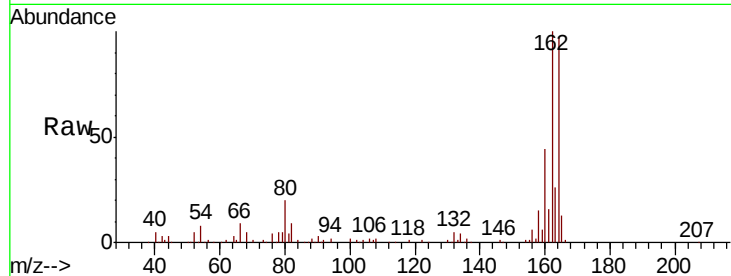
Tgt Ion:164 Resp: 110981

Ion Ratio Lower Upper

164 100

162 103.2 80.7 121.1

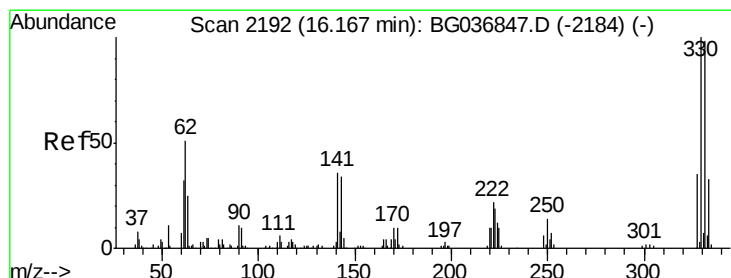
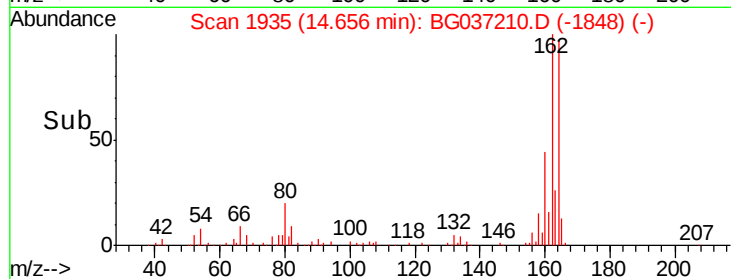
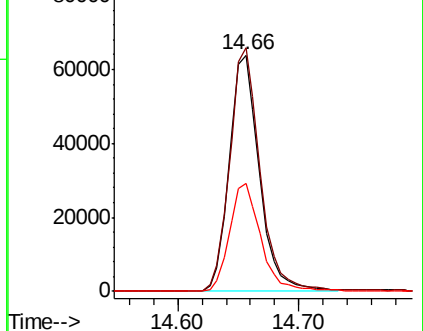
160 45.5 35.3 52.9



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: 124.030 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

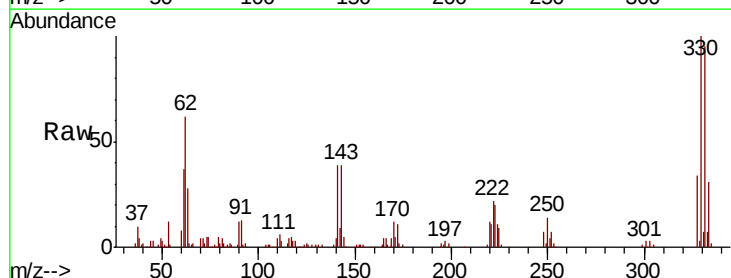
Tgt Ion:330 Resp: 164690

Ion Ratio Lower Upper

330 100

332 97.6 75.4 113.2

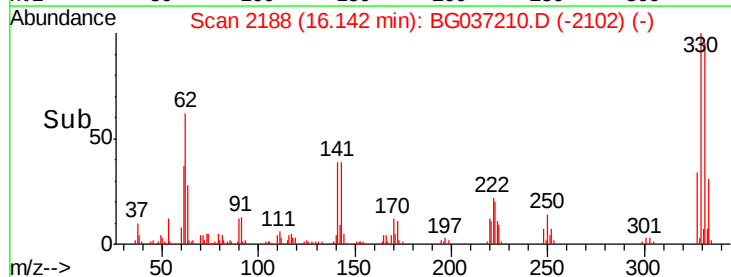
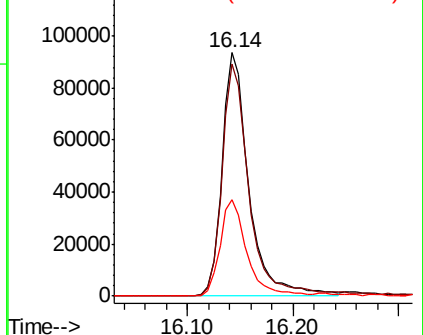
141 39.8 30.7 46.1

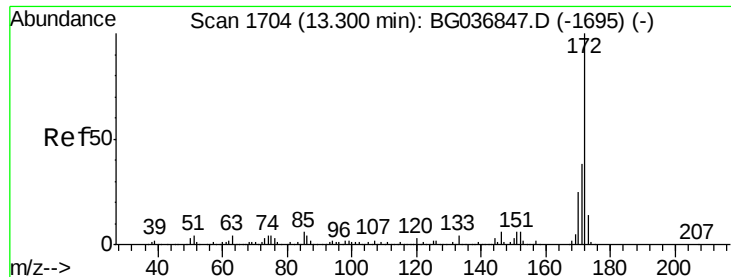


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

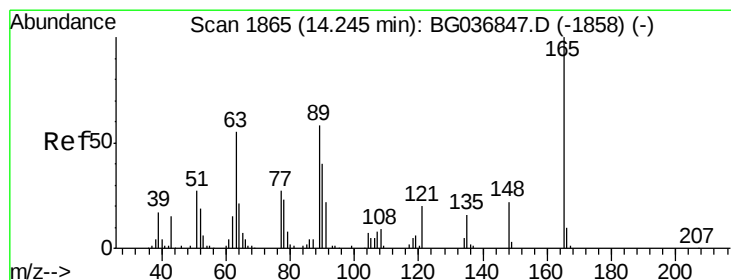
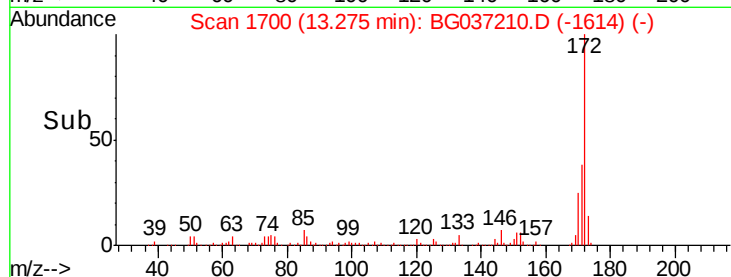
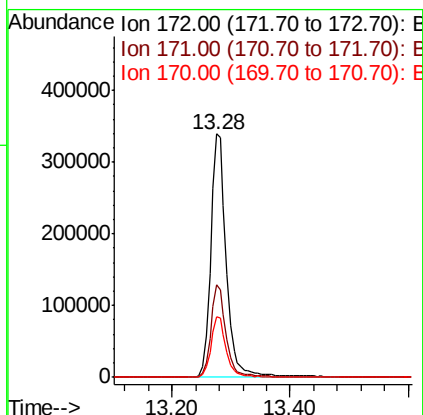
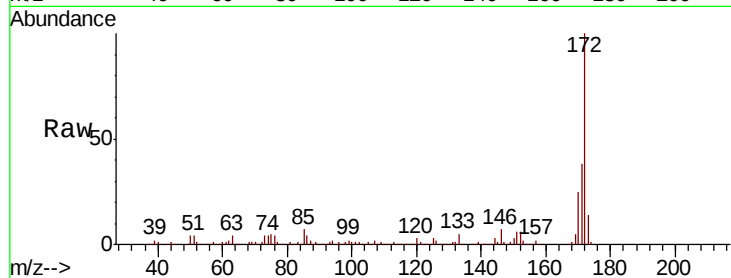




#44
 2-Fluorobiphenyl
 Concen: 83.886 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037210.D
 Acq: 6 Oct 2018 13:18

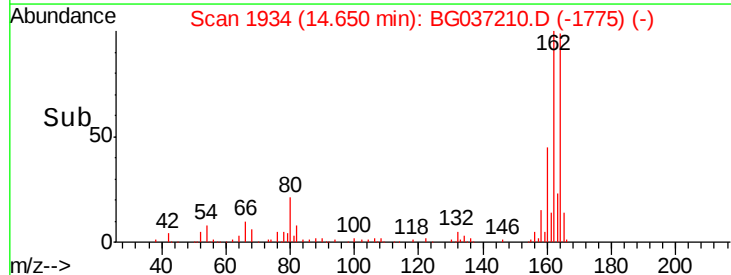
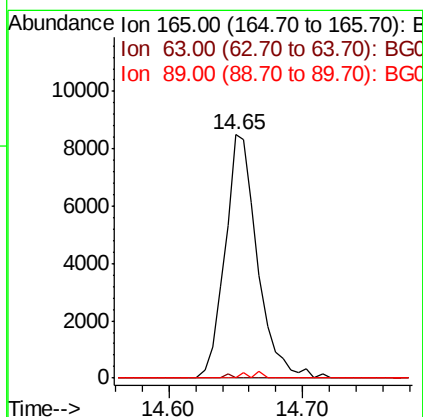
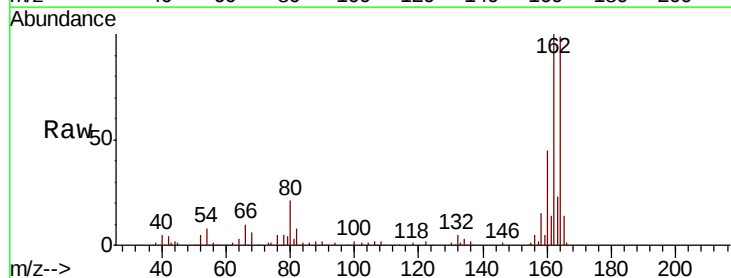
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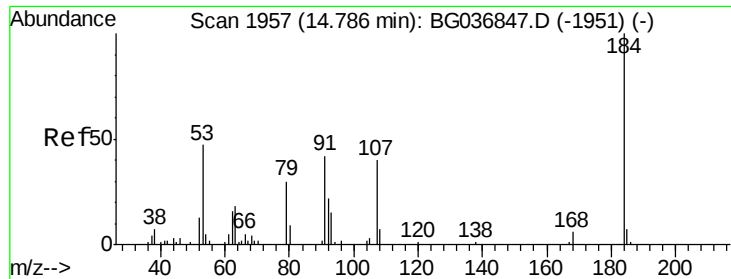
Tgt Ion:172 Resp: 625068
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 24.8 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.373 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.40 min
 Lab File: BG037210.D
 Acq: 6 Oct 2018 13:18

Tgt Ion:165 Resp: 14370
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

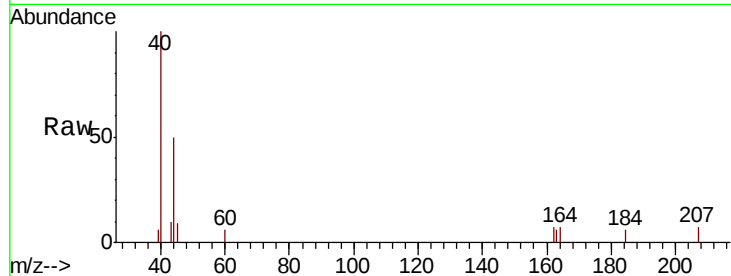




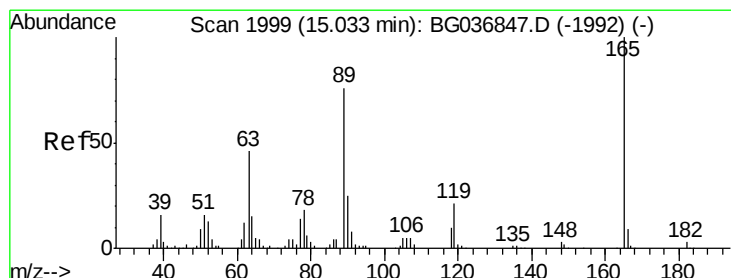
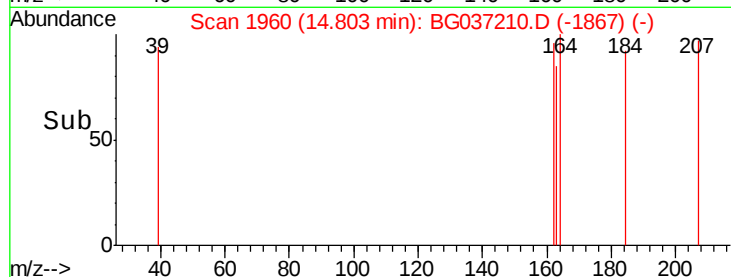
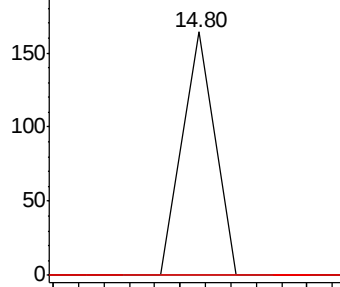
#53
2,4-Dinitrophenol
Concen: 7.707 ng
RT: 14.80 min Scan# 1960
Delta R.T. 0.02 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Instrument :
BNA_G
ClientSampleId :
SU-04-100318-B

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 47.3 70.9#
154 0.0 51.1 76.7#

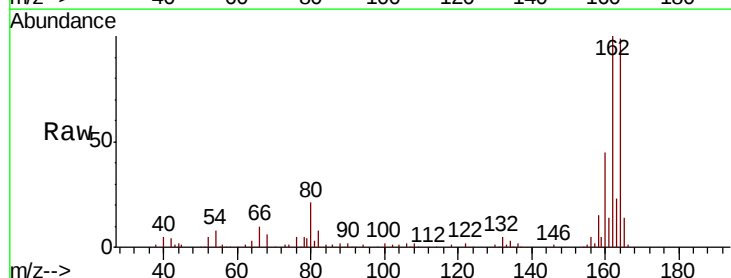


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

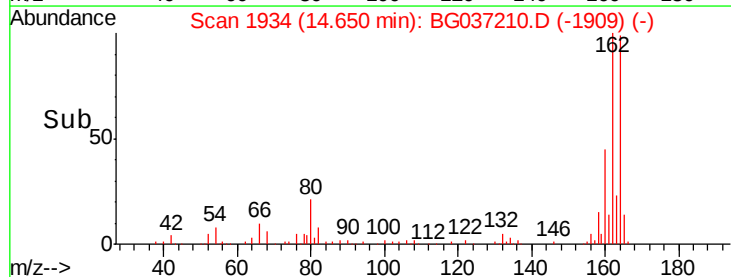
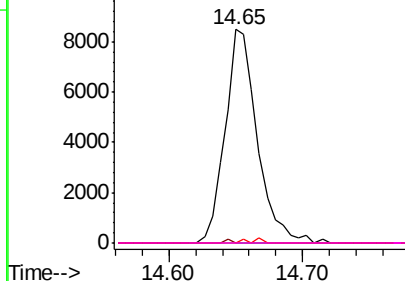


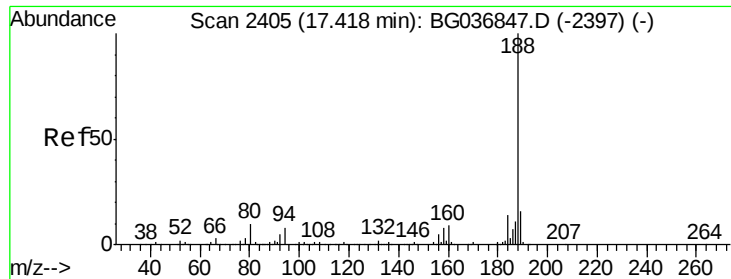
#56
2,4-Dinitrotoluene
Concen: 5.284 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.38 min
Lab File: BG037210.D
Acq: 6 Oct 2018 13:18

Tgt Ion:165 Resp: 14370
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

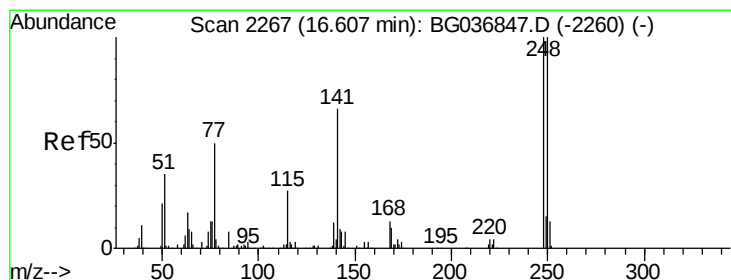
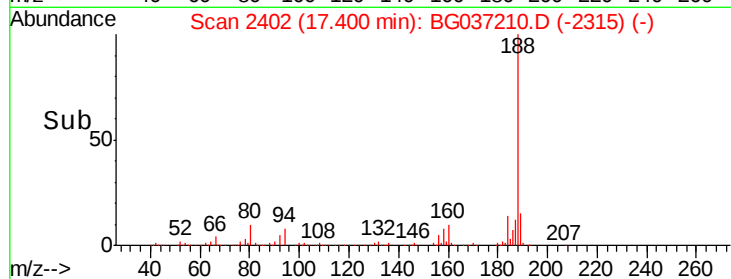
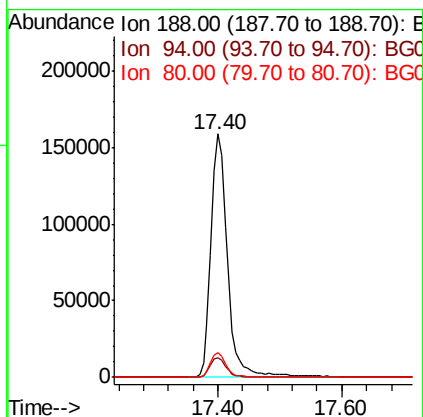
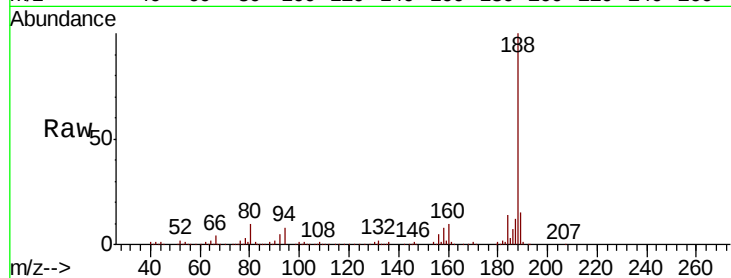




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.02 min
 Lab File: BG037210.D
 Acq: 6 Oct 2018 13:18

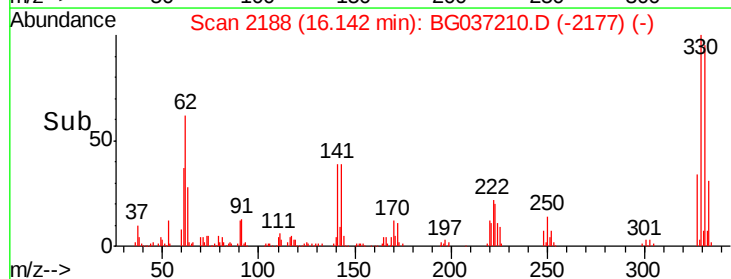
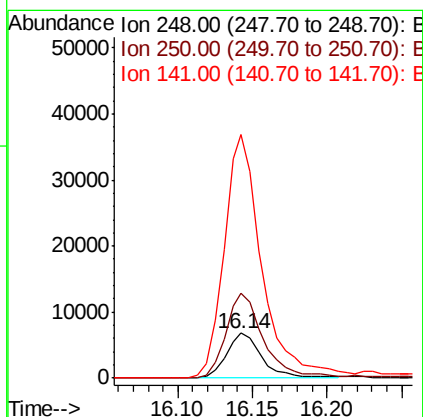
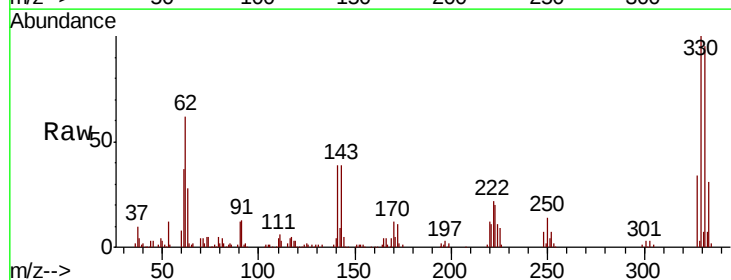
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-100318-B

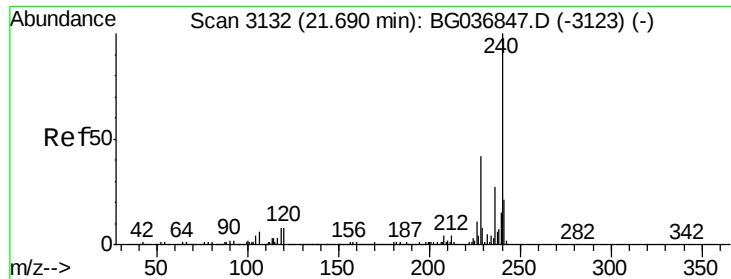
Tgt Ion:188 Resp: 291826
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 10.3 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.436 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.46 min
 Lab File: BG037210.D
 Acq: 6 Oct 2018 13:18

Tgt Ion:248 Resp: 11406
 Ion Ratio Lower Upper
 248 100
 250 189.0 78.1 117.1#
 141 542.5 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

Instrument :

BNA_G

ClientSampleId :

SU-04-100318-B

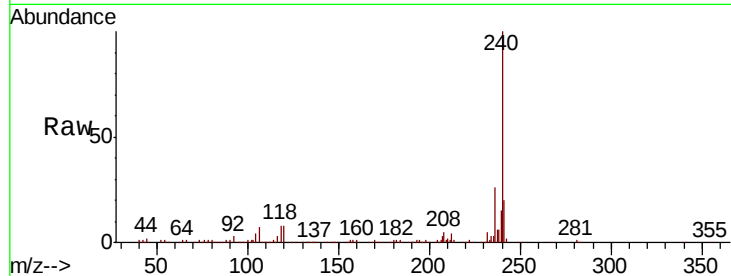
Tgt Ion:240 Resp: 293723

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

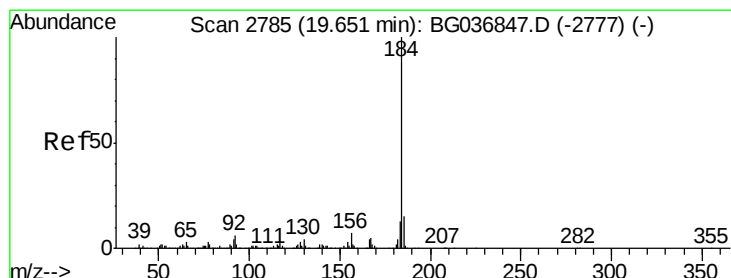
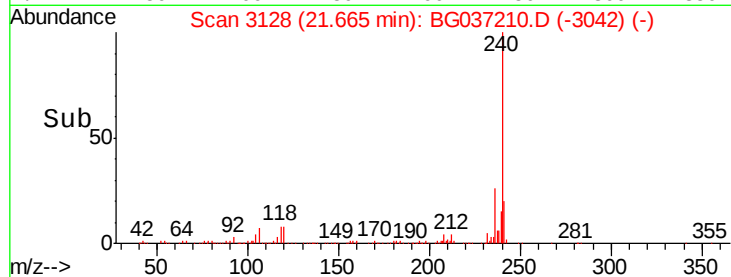
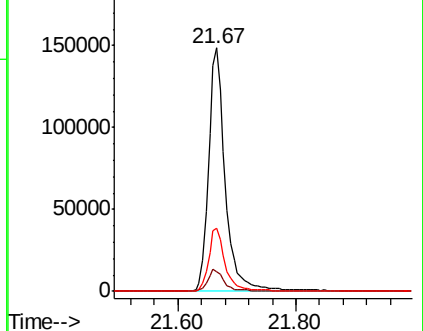
236 26.2 21.2 31.8



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: 2.124 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

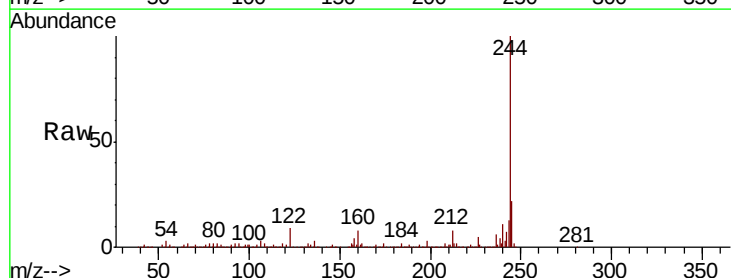
Tgt Ion:184 Resp: 18860

Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

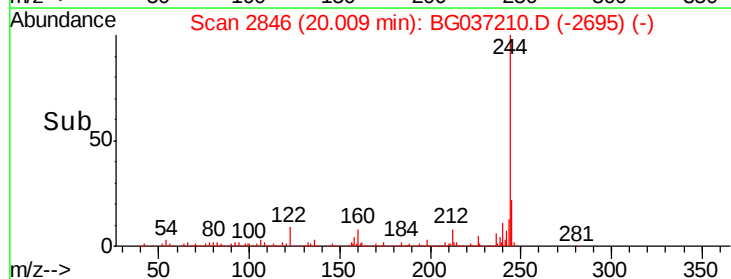
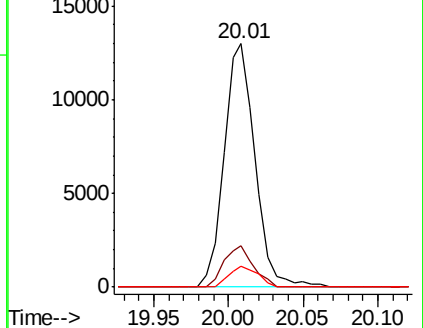
183 8.7 10.9 16.3#

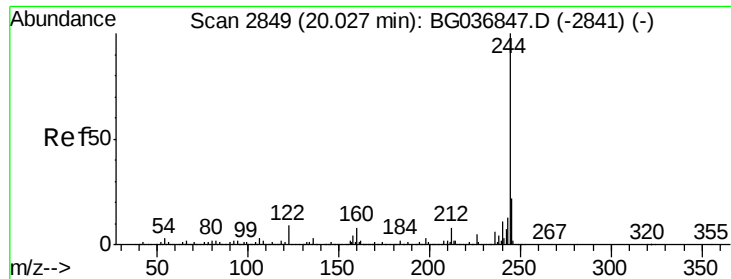


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.616 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

Instrument :

BNA_G

ClientSampleId :

SU-04-100318-B

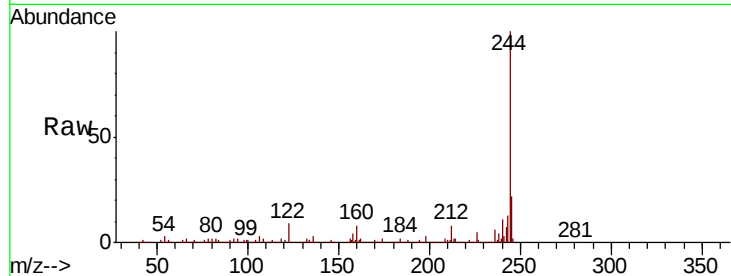
Tgt Ion:244 Resp: 1090399

Ion Ratio Lower Upper

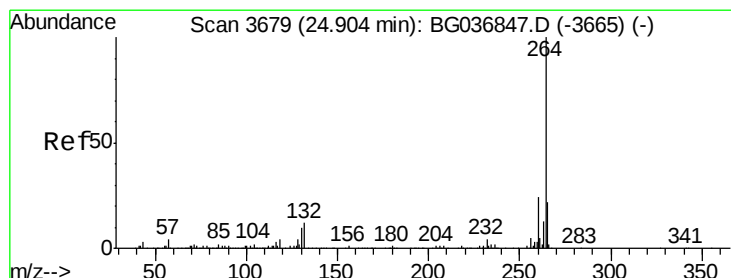
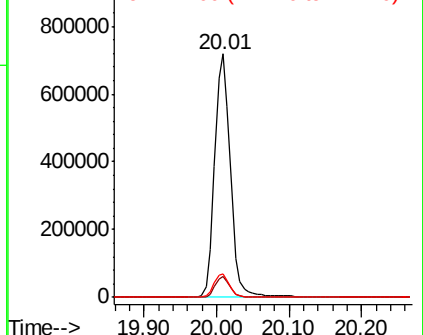
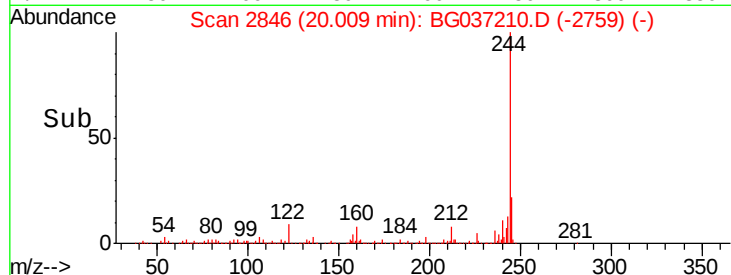
244 100

212 8.3 7.0 10.6

122 9.4 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: 24.86 min Scan# 3672

Delta R.T. -0.04 min

Lab File: BG037210.D

Acq: 6 Oct 2018 13:18

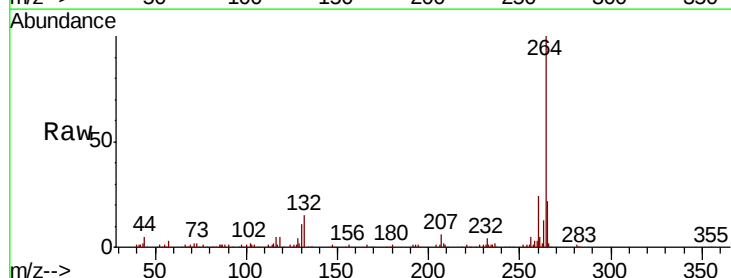
Tgt Ion:264 Resp: 282501

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 21.9 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

