

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037012.D
 Acq On : 27 Sep 2018 11:23
 Operator : JU/SJ
 Sample : J4773-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 13:12:48 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

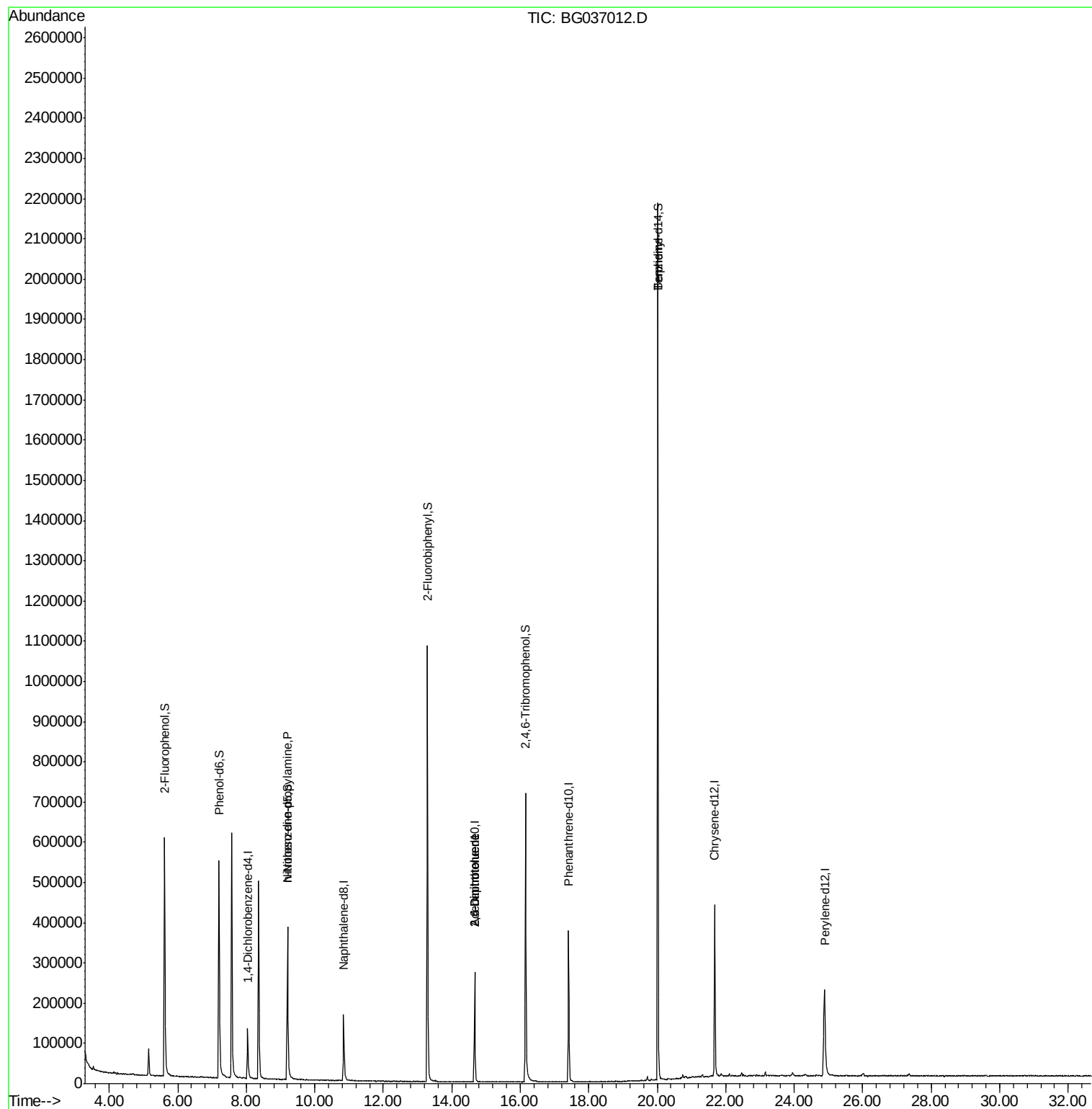
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	40504	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	161502	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	103703	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	268049	20.00	ng	0.00
75) Chrysene-d12	21.68	240	290086	20.00	ng	-0.01
86) Perylene-d12	24.88	264	273887	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	274637	130.04	ng	0.00
7) Phenol-d6	7.20	99	346753	106.12	ng	-0.01
23) Nitrobenzene-d5	9.20	82	285387	94.63	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	150437	121.25	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	604304	86.79	ng	-0.01
78) Terphenyl-d14	20.02	244	1087285	98.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38112	14.020	ng	# 73
50) 2,6-Dinitrotoluene	14.66	165	12910	7.089	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	12910	5.080	ng	# 18
76) Benzidine	20.02	184	19312	2.202	ng	# 93

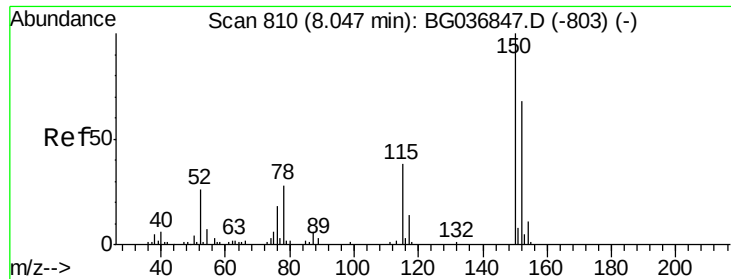
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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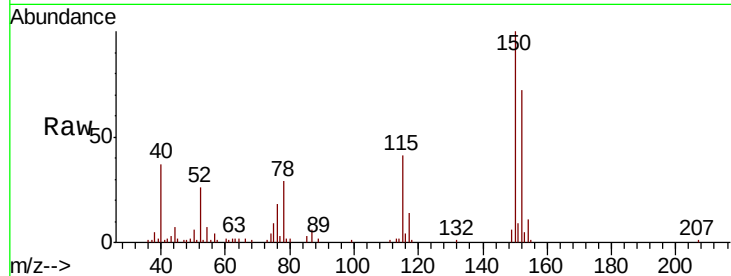


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.00 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	40504
Ion Ratio	Lower	Upper	
152	100		
150	138.1	119.5	179.3
115	56.7	44.5	66.7

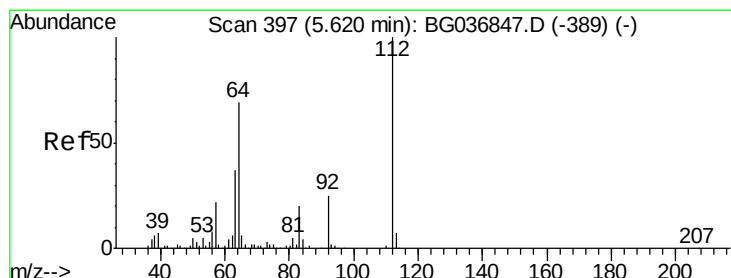
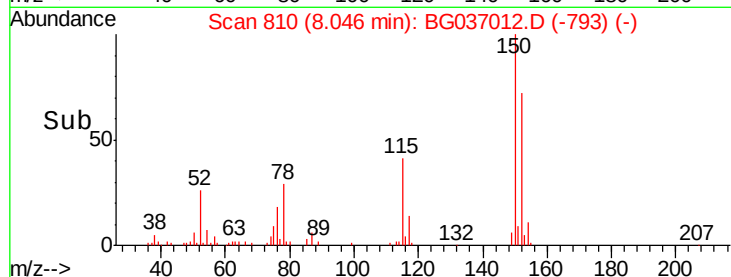
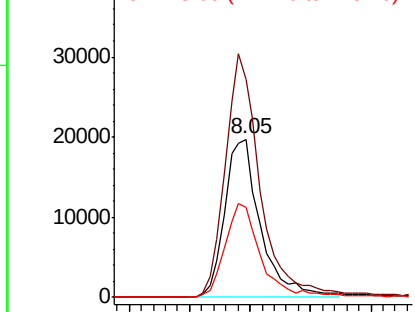


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

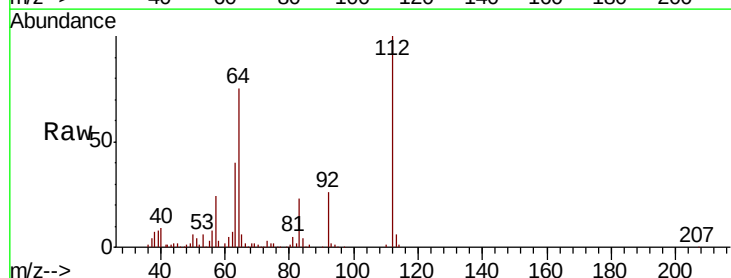
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.035 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

Tgt Ion	112	Resp	274637
Ion Ratio	Lower	Upper	
112	100		
64	74.6	57.2	85.8
63	39.5	30.8	46.2

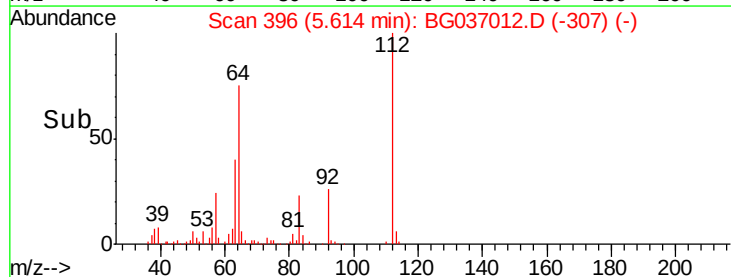
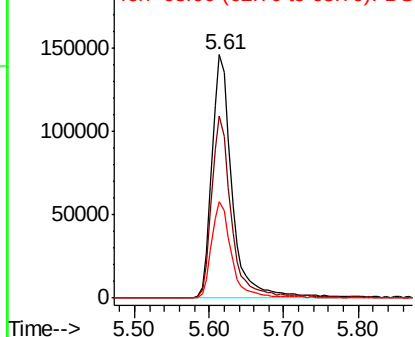


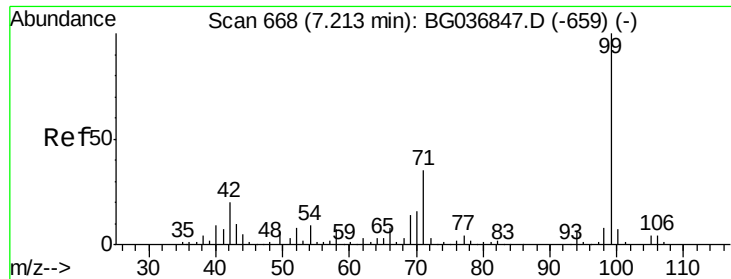
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 106.117 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

Instrument :

BNA_G

ClientSampleId :

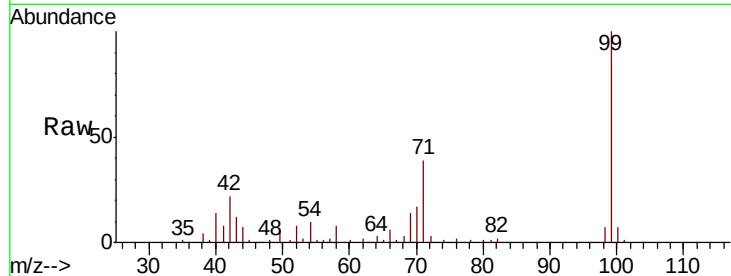
Tot Ion: 99 Resp: 346753

Ion Ratio Lower Upper

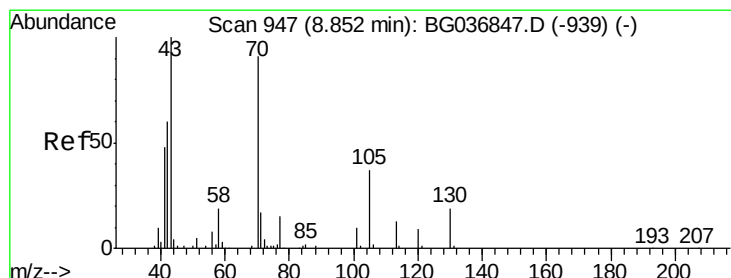
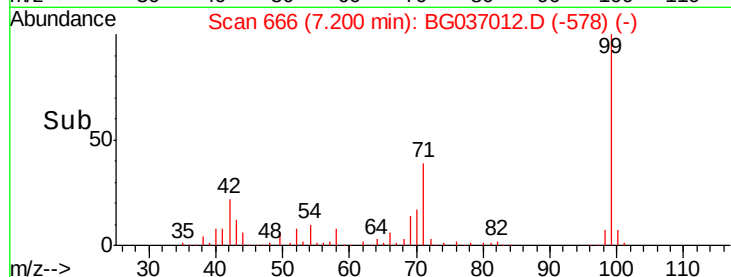
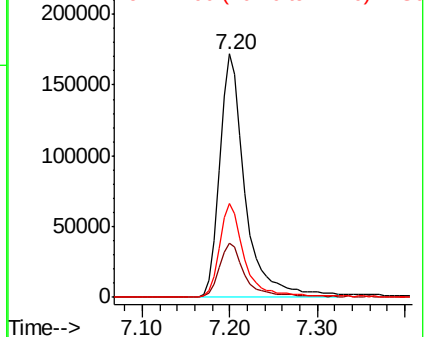
99 100

42 22.3 16.5 24.7

71 38.5 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: 14.020 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

Tgt Ion: 70 Resp: 38112

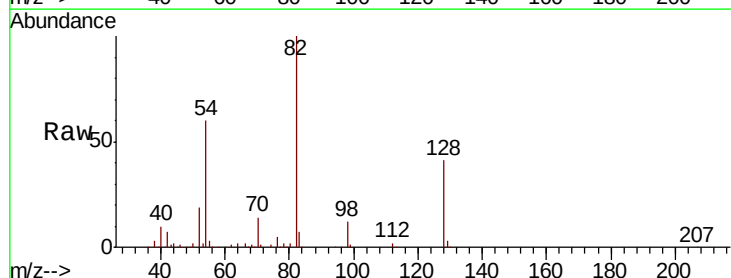
Ion Ratio Lower Upper

70 100

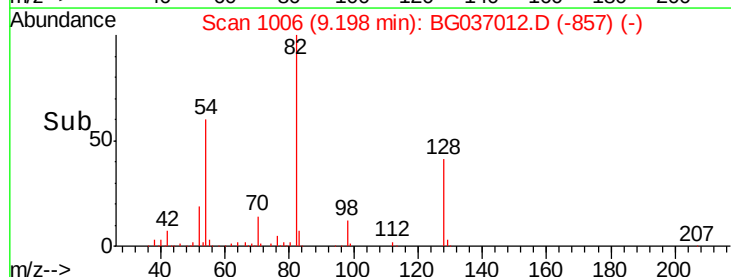
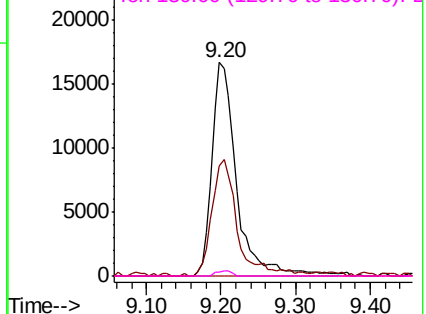
42 51.4 56.2 84.4#

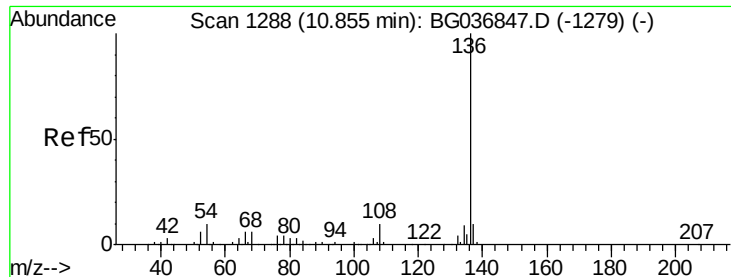
101 0.0 7.8 11.6#

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

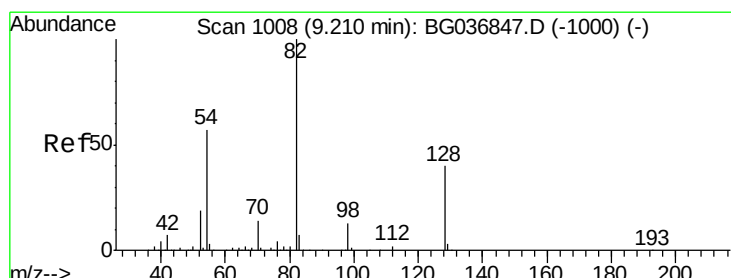
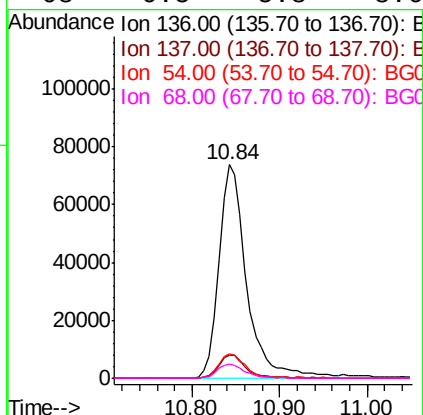
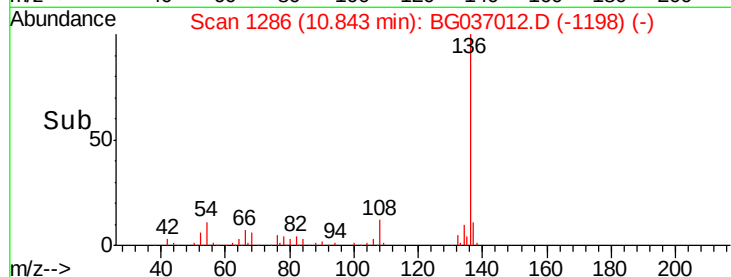
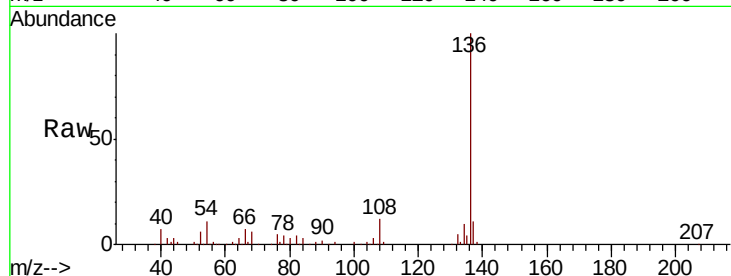




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

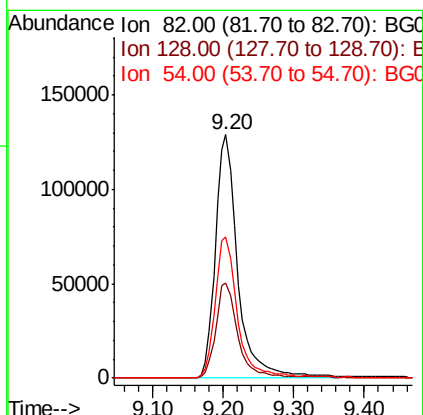
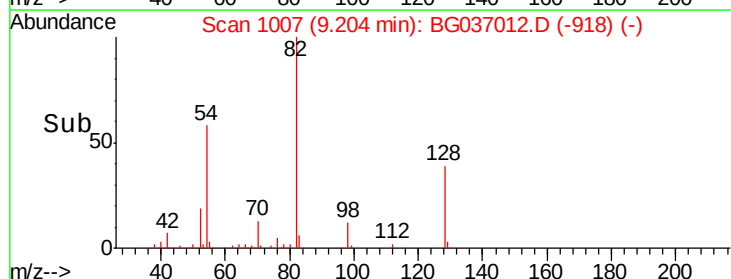
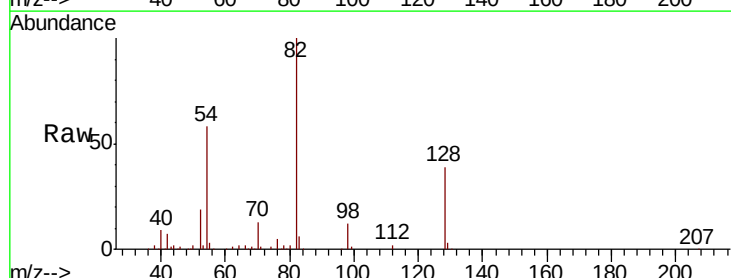
Instrument :
BNA_G
ClientSampleId :

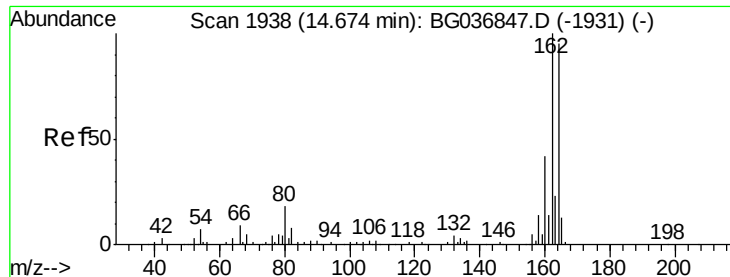
Tot Ion:136	Resp:	161502
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	11.2	9.2 13.8
68	6.5	5.8 8.6



#23
Nitrobenzene-d5
Concen: 94.629 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

Tgt Ion: 82	Resp:	285387
Ion	Ratio	Lower Upper
82	100	
128	39.2	33.3 49.9
54	58.0	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

Instrument :

BNA_G

ClientSampleId :

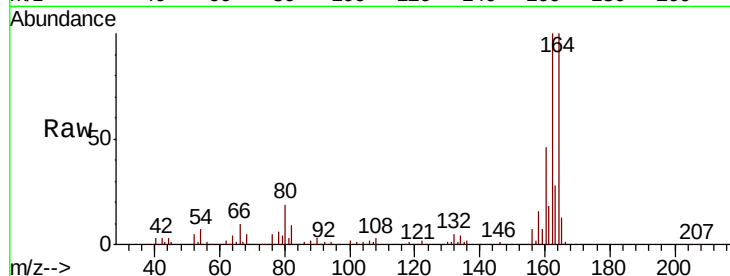
Tot Ion:164 Resp: 103703

Ion Ratio Lower Upper

164 100

162 100.3 80.7 121.1

160 46.2 35.3 52.9

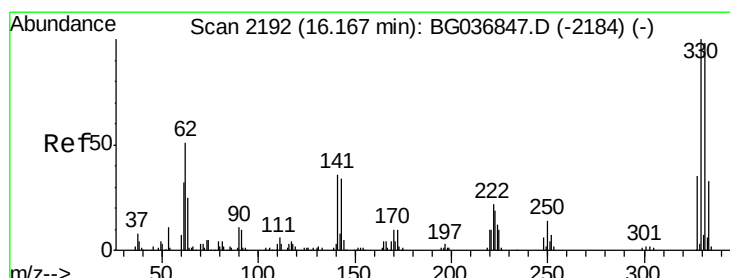
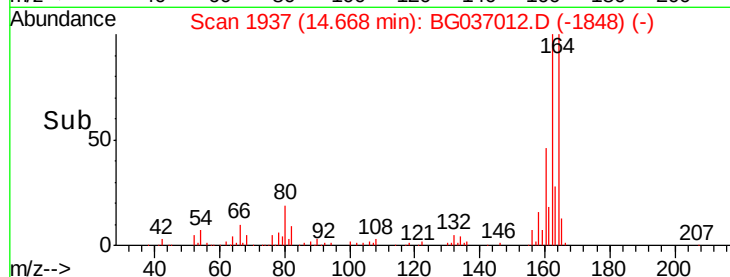
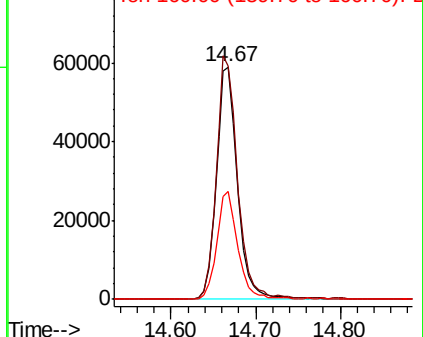


Abundance

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: 121.248 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

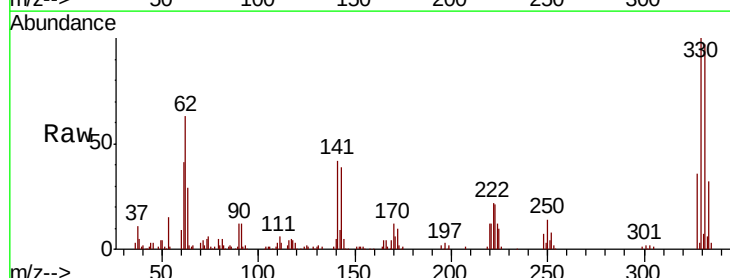
Tgt Ion:330 Resp: 150437

Ion Ratio Lower Upper

330 100

332 94.8 75.4 113.2

141 39.9 30.7 46.1

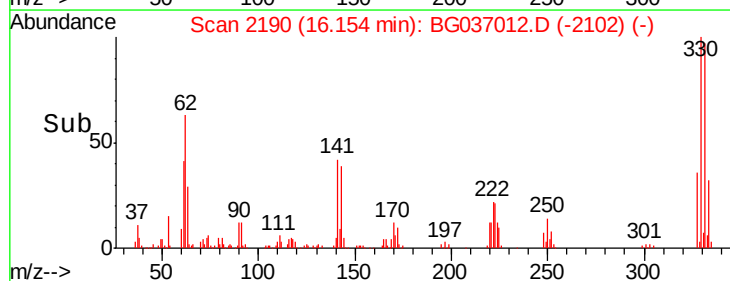
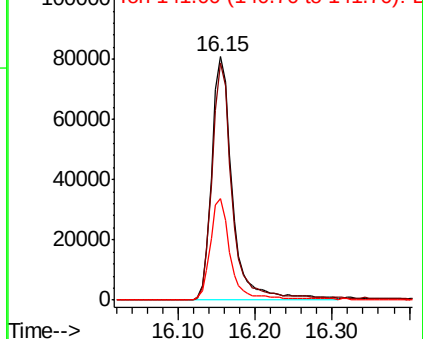


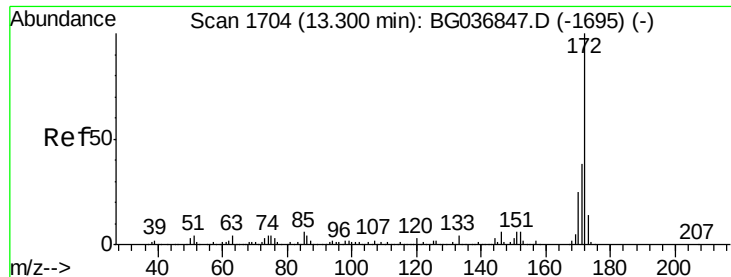
Abundance

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

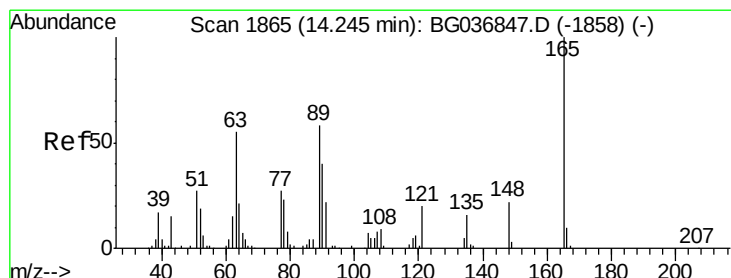
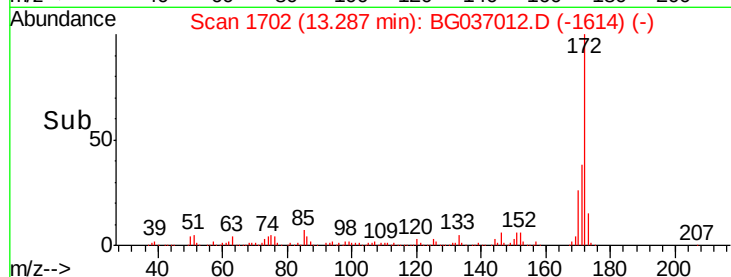
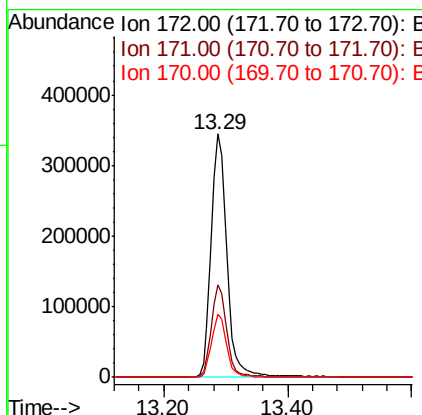
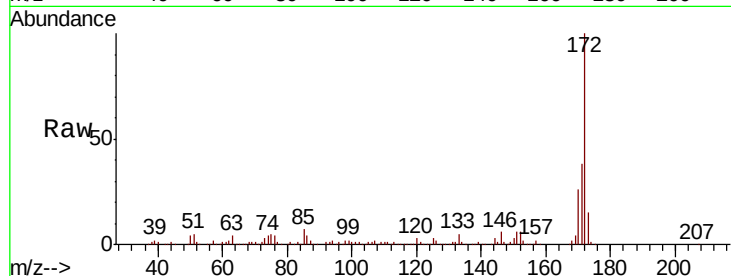




#44
 2-Fluorobiphenyl
 Concen: 86.791 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037012.D
 Acq: 27 Sep 2018 11:23

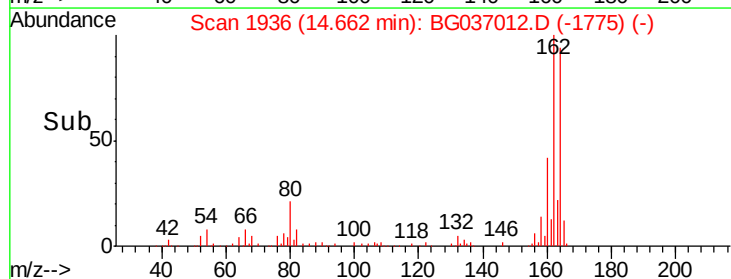
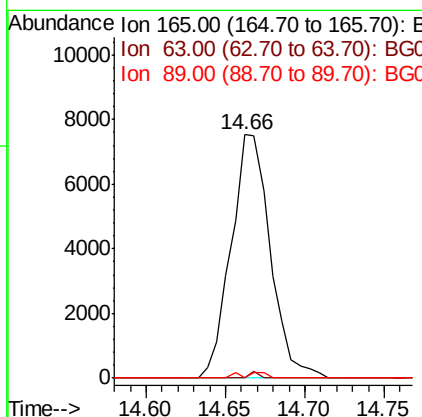
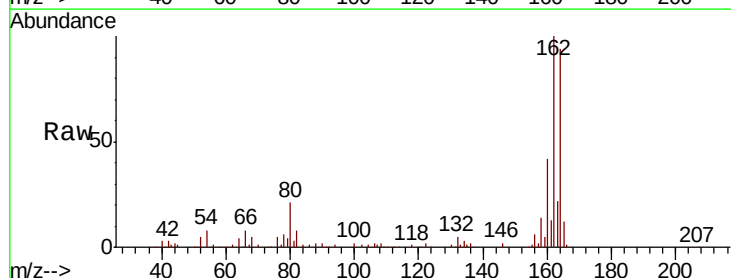
Instrument :
 BNA_G
 ClientSampleId :

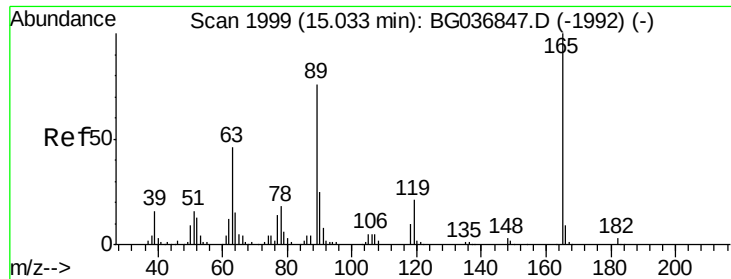
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	25.7	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.089 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037012.D
 Acq: 27 Sep 2018 11:23

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

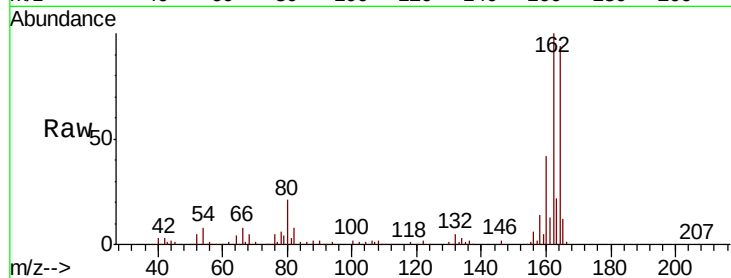




#56
2,4-Dinitrotoluene
Concen: 5.080 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

Instrument :
BNA_G
ClientSampleId :

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#



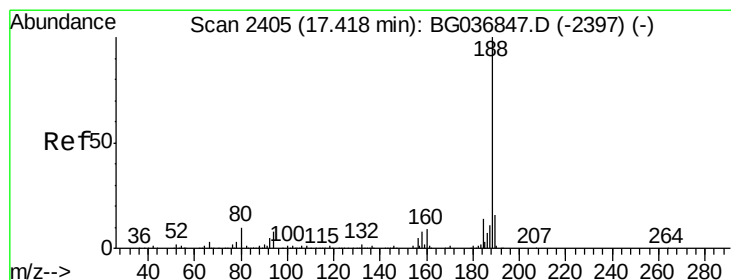
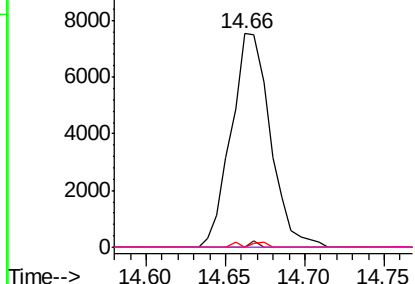
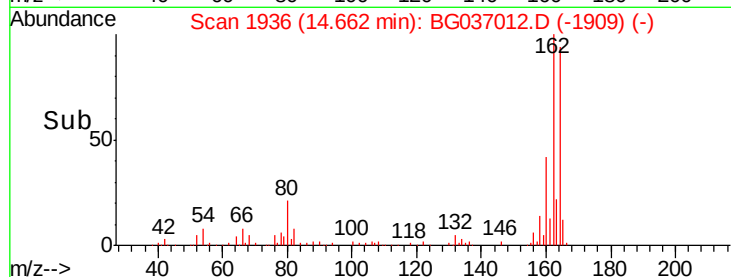
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

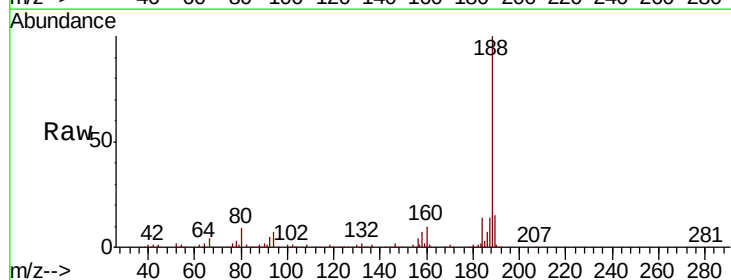
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG037012.D
Acq: 27 Sep 2018 11:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.0	8.1	12.1

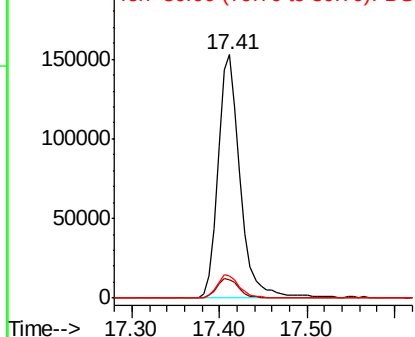
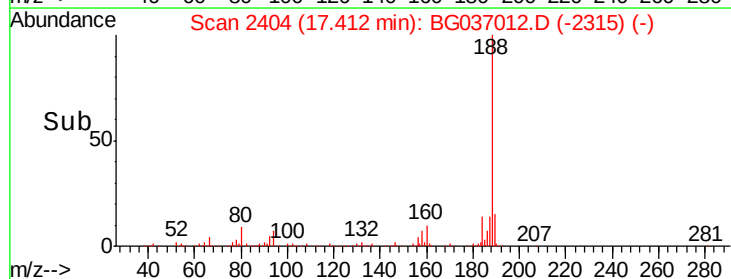


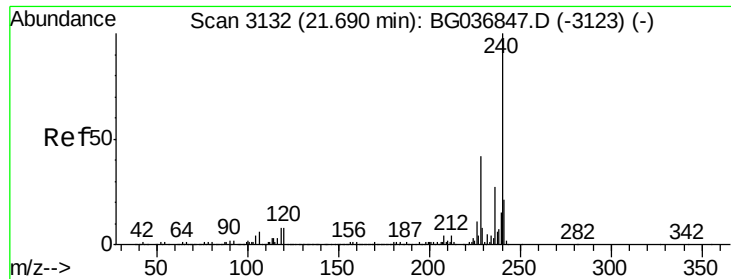
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

Instrument :

BNA_G

ClientSampleId :

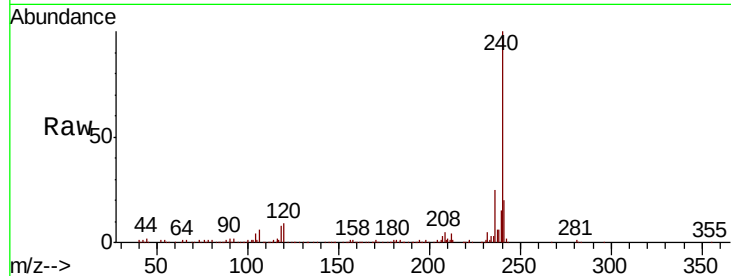
Tot Ion:240 Resp: 290086

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

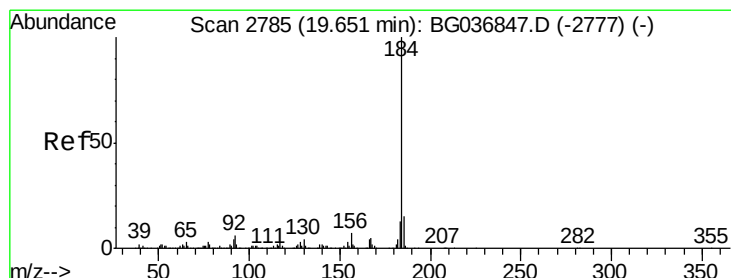
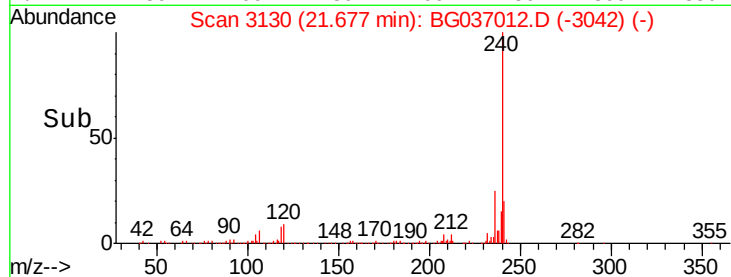
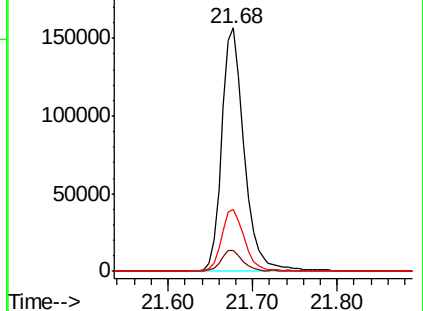
236 25.5 21.2 31.8



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: 2.202 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

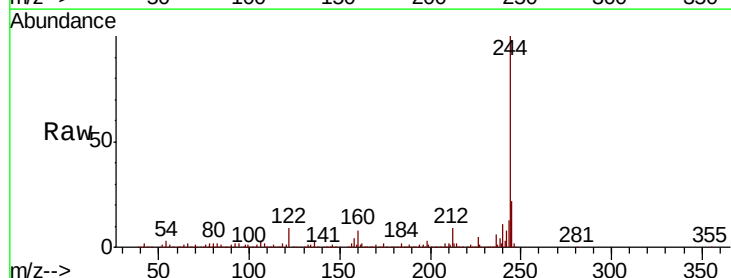
Tgt Ion:184 Resp: 19312

Ion Ratio Lower Upper

184 100

185 18.6 12.6 18.8

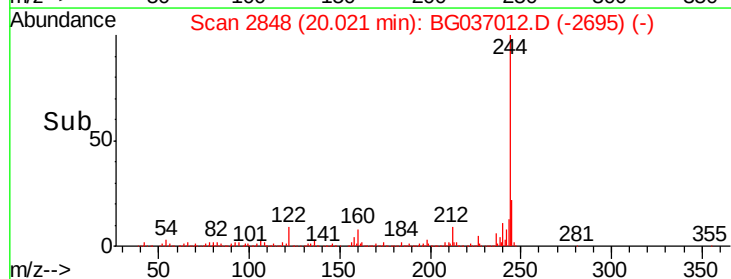
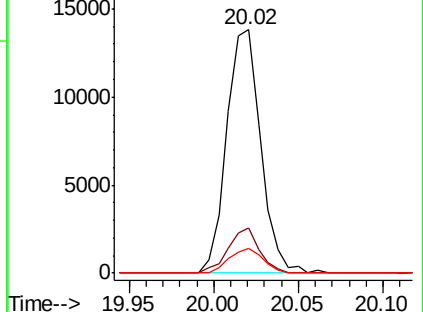
183 10.3 10.9 16.3#

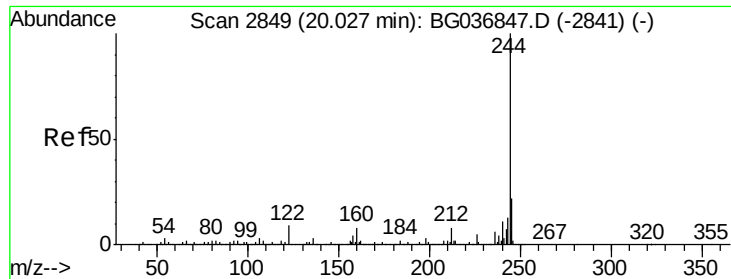


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.557 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

Instrument :

BNA_G

ClientSampleId :

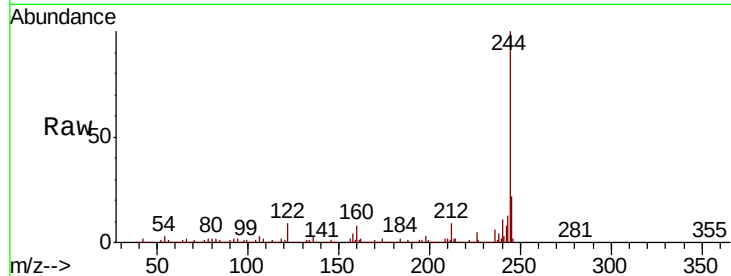
Tot Ion:244 Resp: 1087285

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	9.3	7.1	10.7

244 100

212 8.6 7.0 10.6

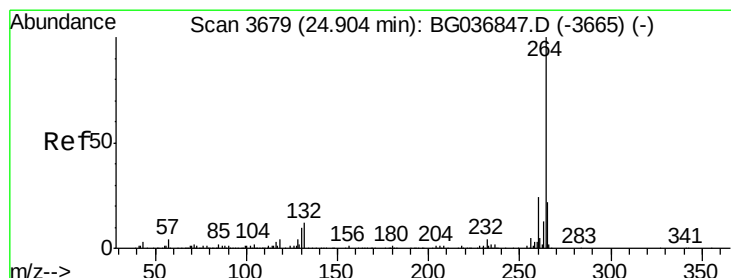
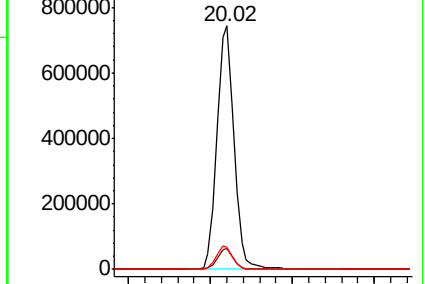
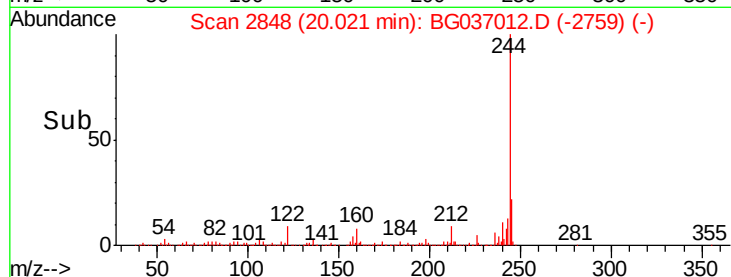
122 9.3 7.1 10.7



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

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037012.D

Acq: 27 Sep 2018 11:23

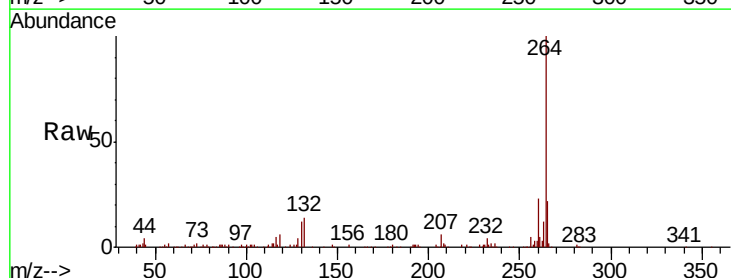
Tgt Ion:264 Resp: 273887

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.6	29.4
265	21.7	17.4	26.0

264 100

260 23.2 19.6 29.4

265 21.7 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

