

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037037.D
 Acq On : 28 Sep 2018 6:19
 Operator : JU/SJ
 Sample : J5097-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Sep 28 07:47:36 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

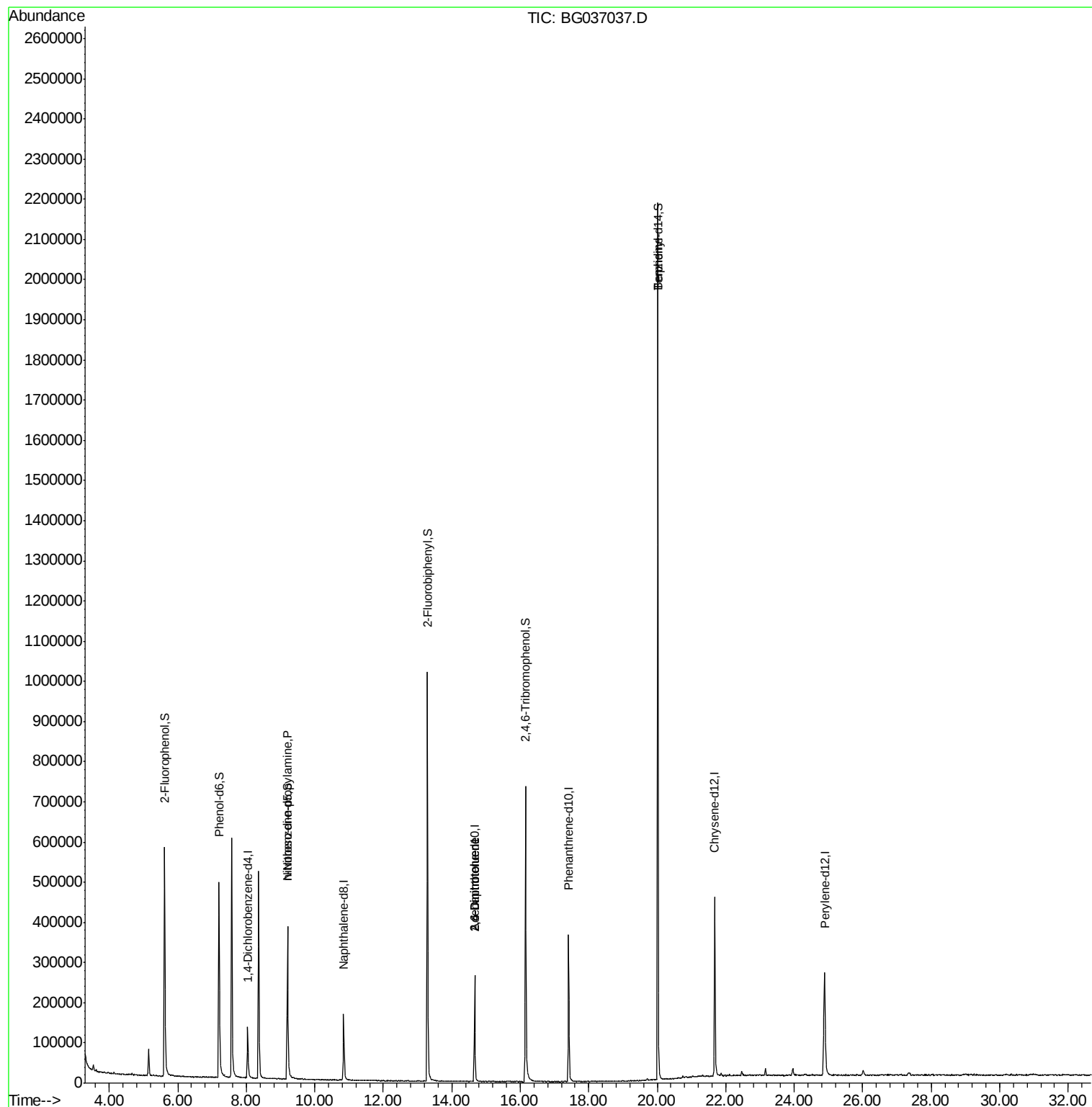
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	41700	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	163715	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	100743	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	268177	20.00	ng	0.00
75) Chrysene-d12	21.68	240	304328	20.00	ng	-0.01
86) Perylene-d12	24.89	264	295456	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	267332	122.95	ng	0.00
7) Phenol-d6	7.20	99	320228	95.19	ng	-0.01
23) Nitrobenzene-d5	9.20	82	281164	91.97	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	153635	127.46	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	578134	85.47	ng	-0.01
78) Terphenyl-d14	20.02	244	1091098	94.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	36366	12.994	ng	# 73
50) 2,6-Dinitrotoluene	14.66	165	12510	7.071	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	12510	5.067	ng	# 19
76) Benzidine	20.02	184	19041	2.070	ng	# 96

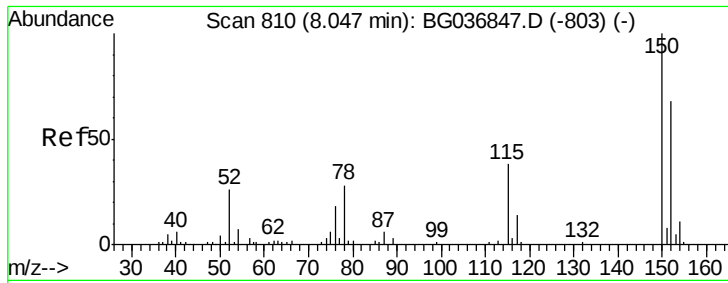
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG037037.D

Acq: 28 Sep 2018 6:19

Instrument :

BNA_G

ClientSampleId :

TP-4

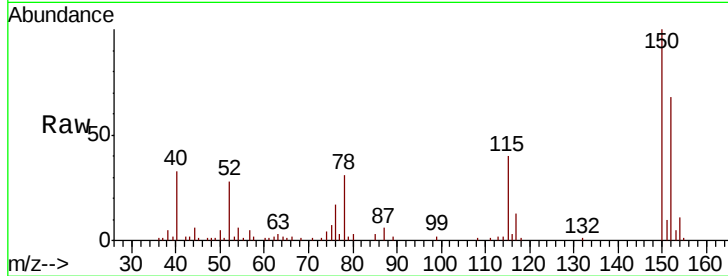
Tgt Ion:152 Resp: 41700

Ion Ratio Lower Upper

152 100

150 147.2 119.5 179.3

115 59.5 44.5 66.7

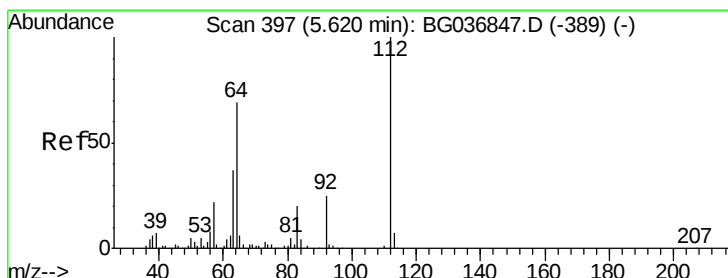
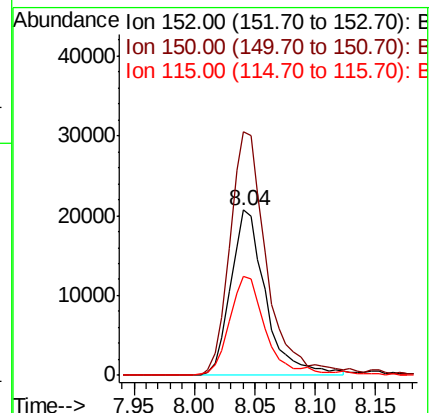
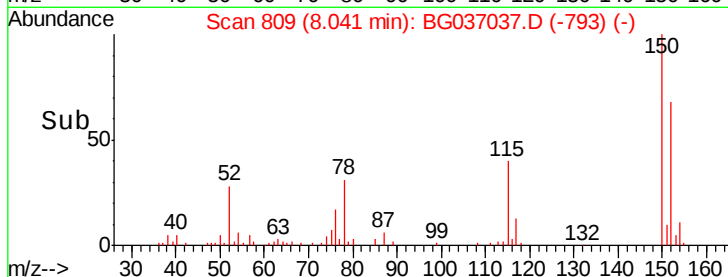


Abundance

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: 122.946 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

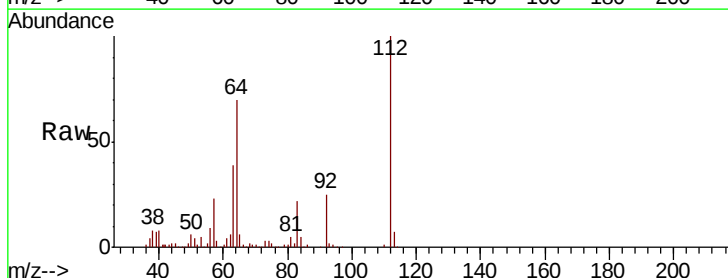
Tgt Ion:112 Resp: 267332

Ion Ratio Lower Upper

112 100

64 70.0 57.2 85.8

63 38.5 30.8 46.2

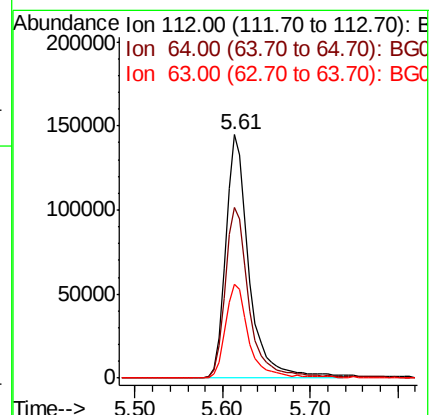
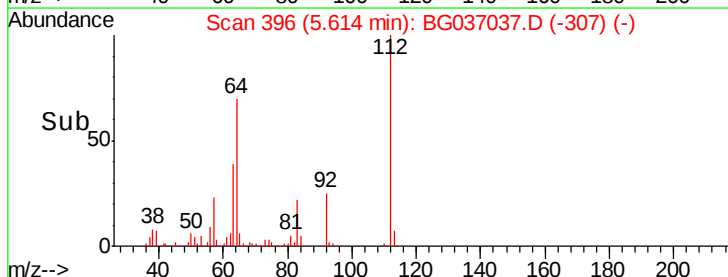


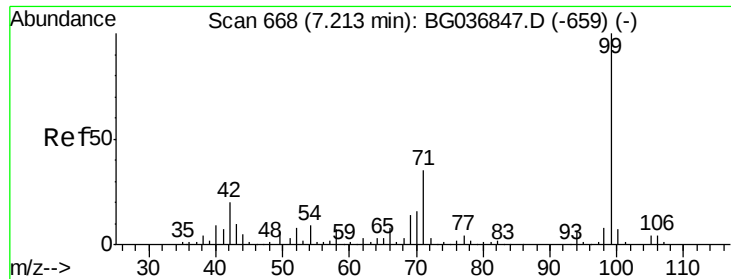
Abundance

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: 95.189 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

Instrument :

BNA_G

ClientSampleId :

TP-4

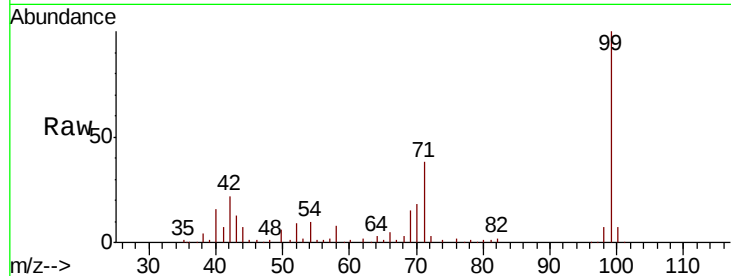
Tgt Ion: 99 Resp: 320228

Ion Ratio Lower Upper

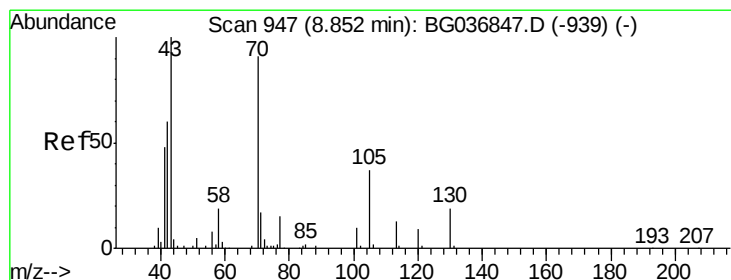
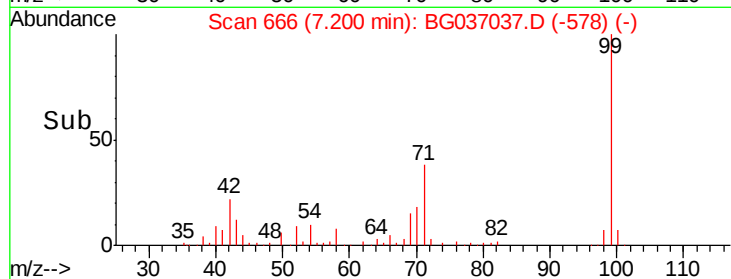
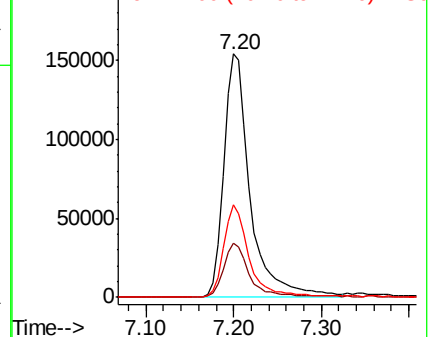
99 100

42 22.0 16.5 24.7

71 38.2 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: 12.994 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

Tgt Ion: 70 Resp: 36366

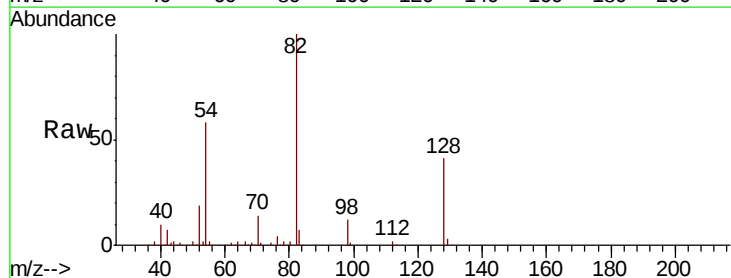
Ion Ratio Lower Upper

70 100

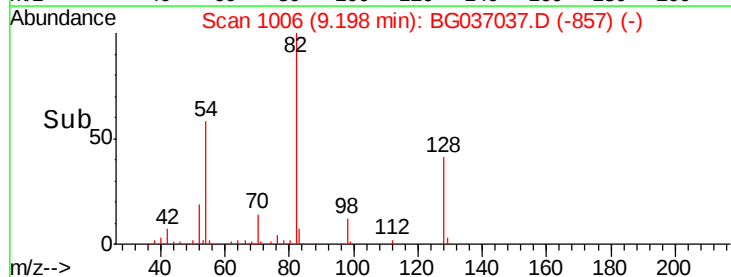
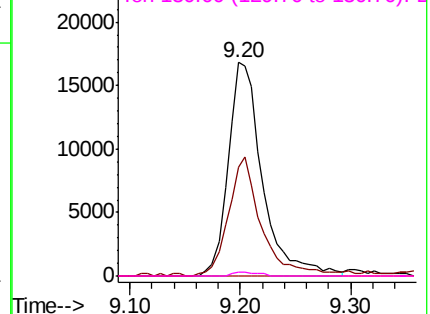
42 51.1 56.2 84.4#

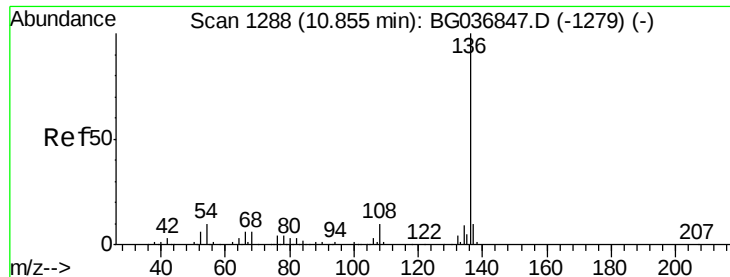
101 0.0 7.8 11.6#

130 2.0 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

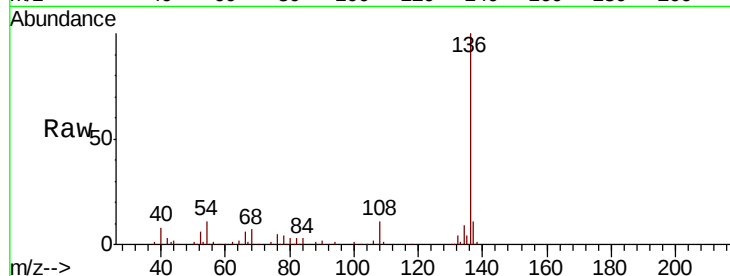




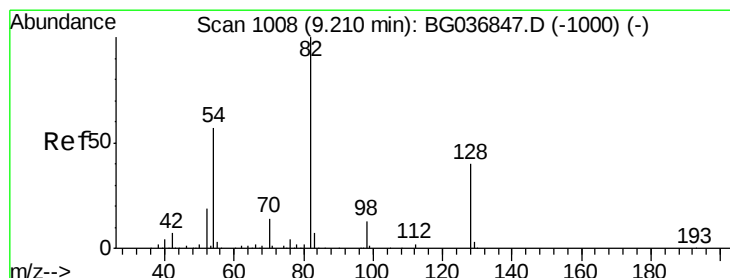
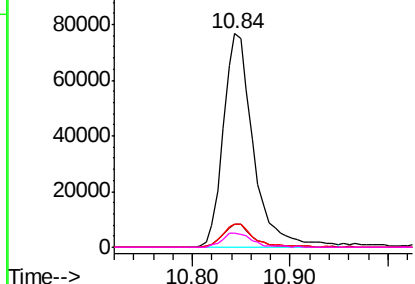
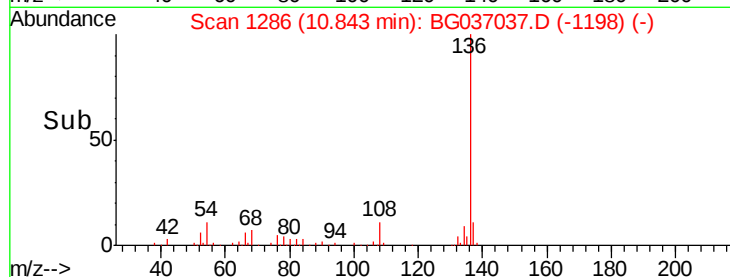
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037037.D
Acq: 28 Sep 2018 6:19

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:	136	Resp:	163715
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.7	9.2	13.8
68	6.6	5.8	8.6

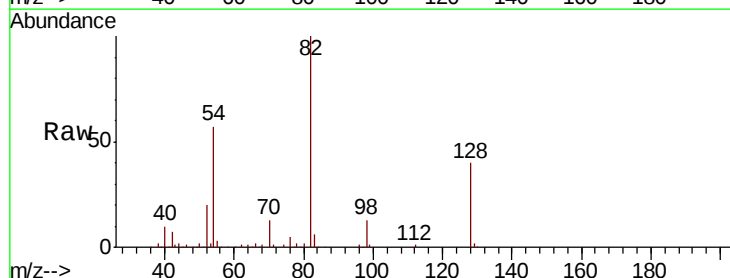


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

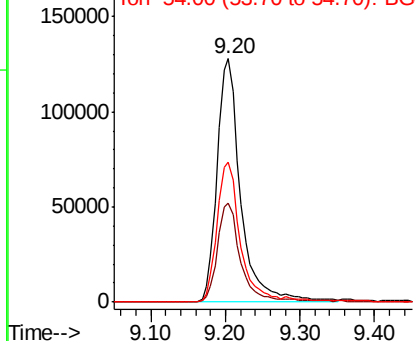
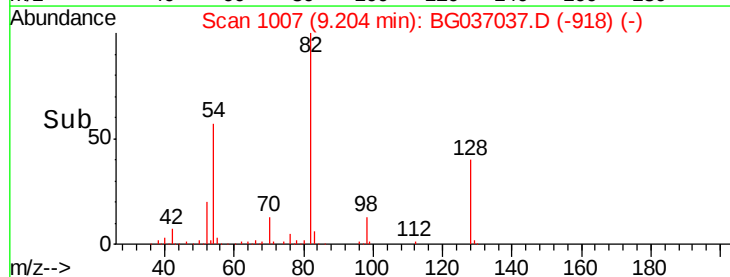


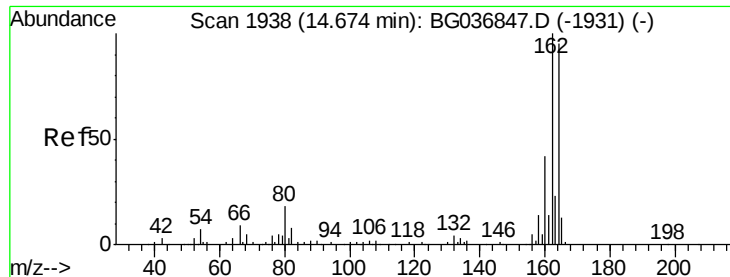
#23
Nitrobenzene-d5
Concen: 91.968 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037037.D
Acq: 28 Sep 2018 6:19

Tgt Ion:	82	Resp:	281164
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	57.5	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
150000
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# 1936

Delta R.T. -0.01 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

Instrument :

BNA_G

ClientSampleId :

TP-4

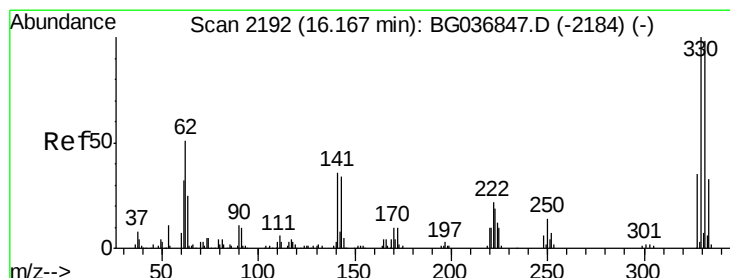
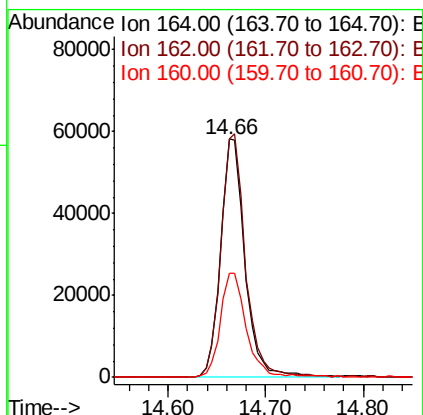
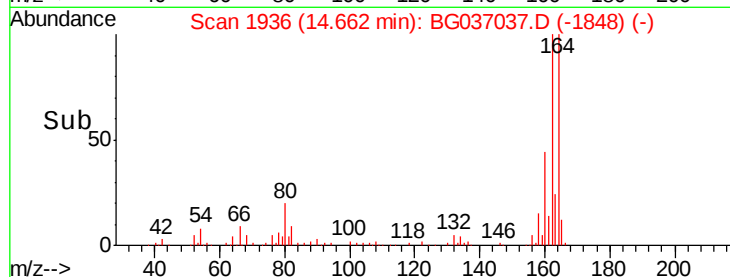
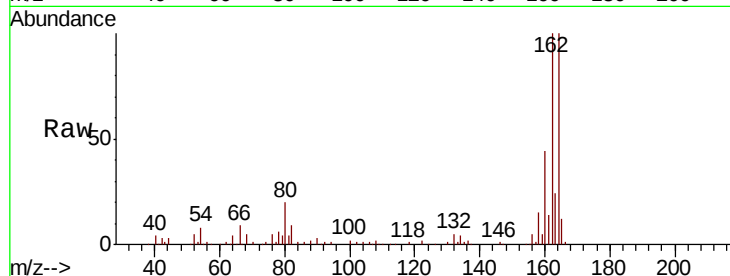
Tgt Ion:164 Resp: 100743

Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

160 43.7 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 127.463 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

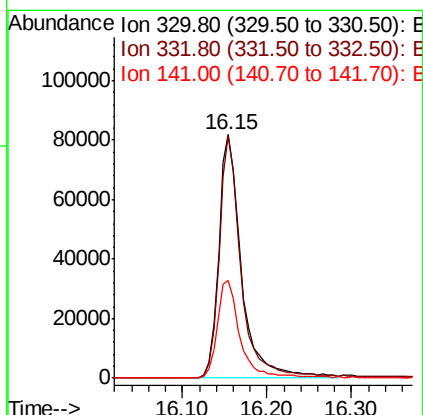
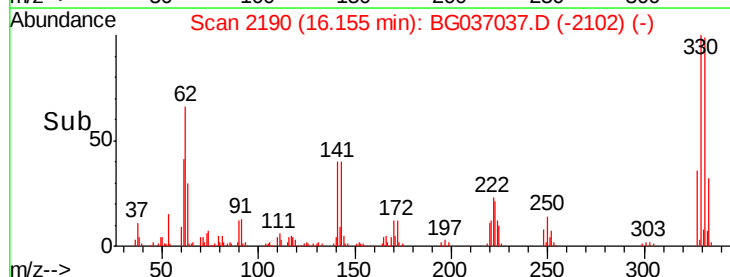
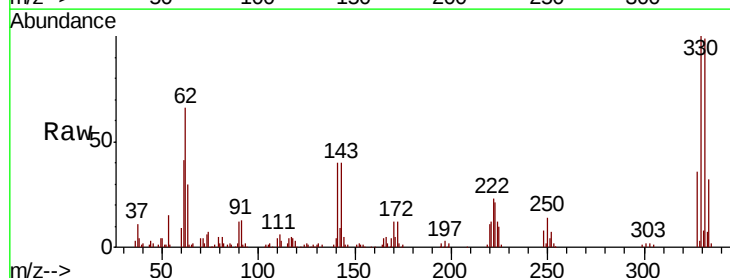
Tgt Ion:330 Resp: 153635

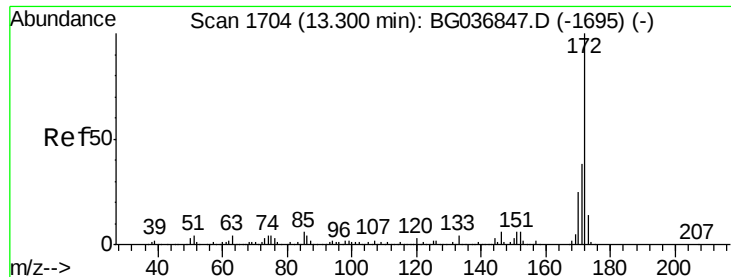
Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.2

141 40.1 30.7 46.1

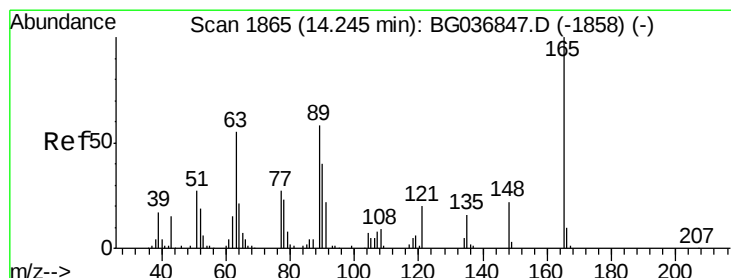
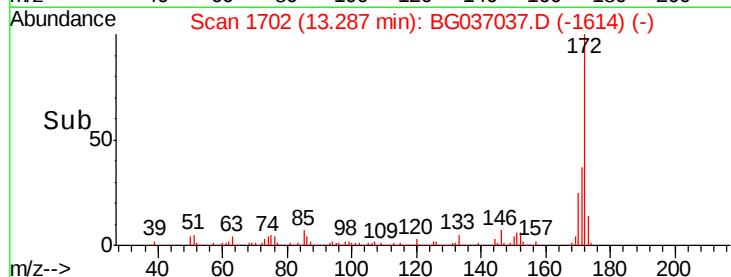
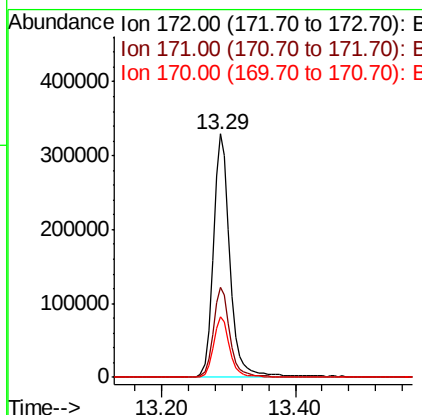
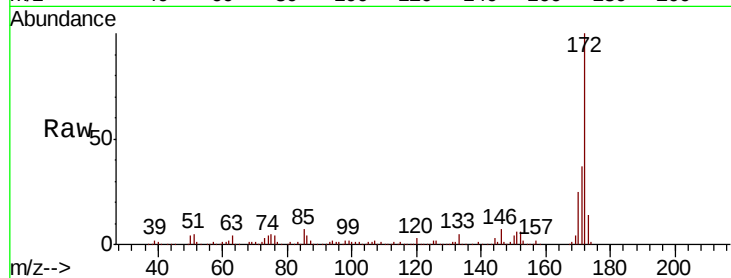




#44
 2-Fluorobiphenyl
 Concen: 85.472 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037037.D
 Acq: 28 Sep 2018 6:19

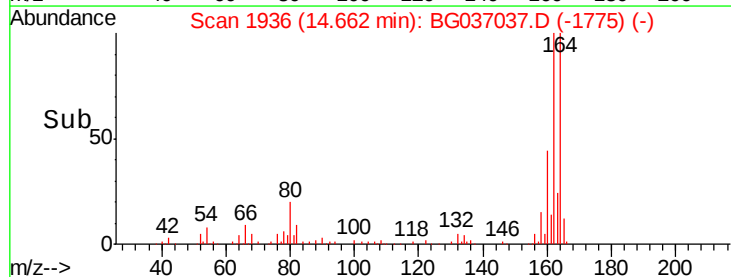
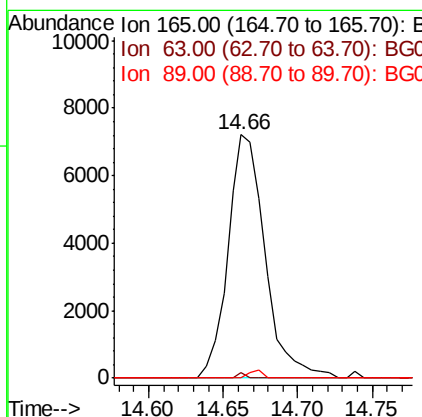
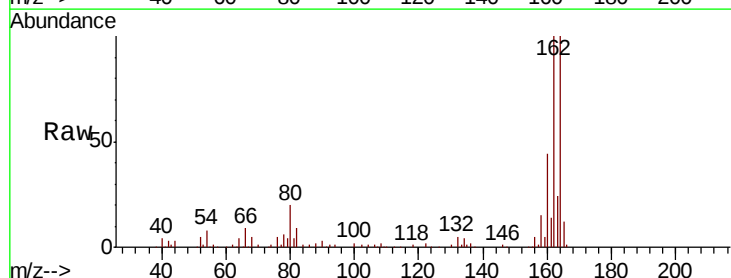
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

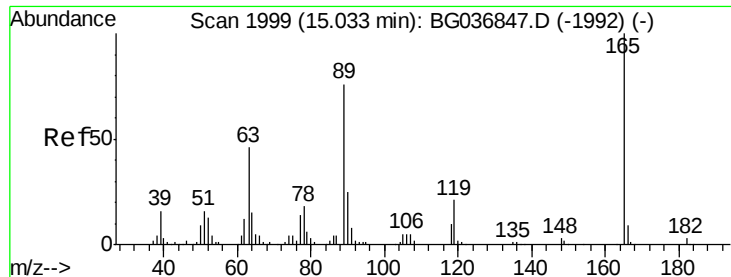
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.3	46.9
170	24.7	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.071 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037037.D
 Acq: 28 Sep 2018 6:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	50.1	75.1#
89	0.0	47.8	71.6#

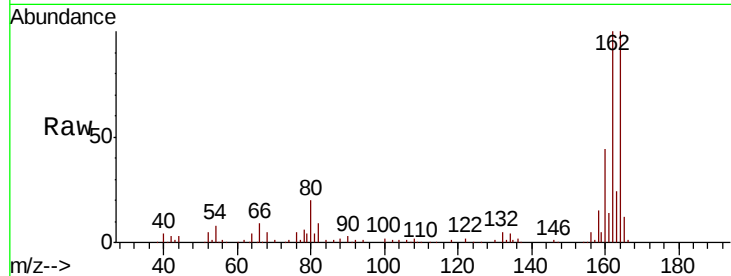




#56
2,4-Dinitrotoluene
Concen: 5.067 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG037037.D
Acq: 28 Sep 2018 6:19

Instrument :
BNA_G
ClientSampled :
TP-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

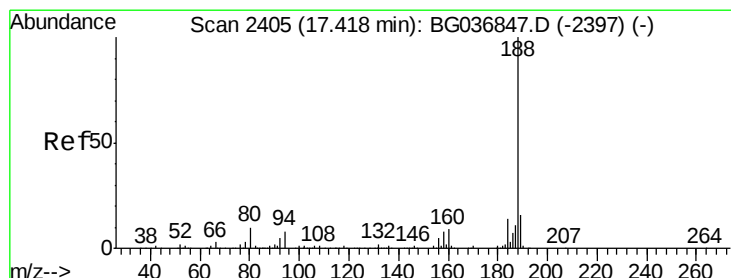
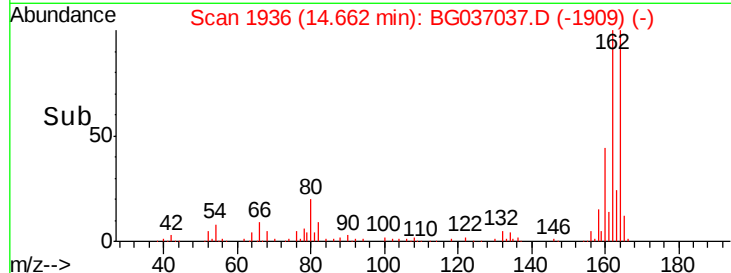
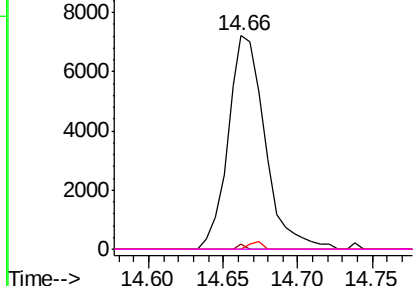


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

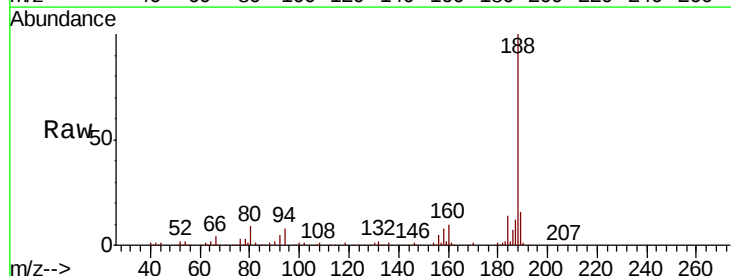
Ion 89.00 (88.70 to 89.70): BGC

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: BG037037.D
Acq: 28 Sep 2018 6:19

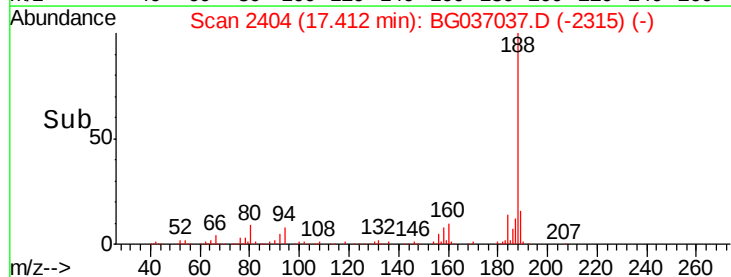
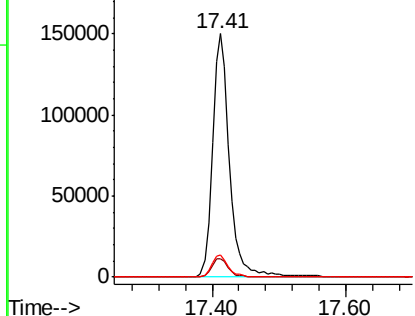
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.2	8.1	12.1

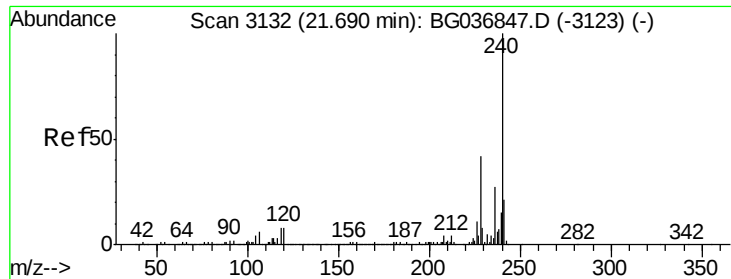


Abundance Ion 188.00 (187.70 to 188.70): E

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: BG037037.D

Acq: 28 Sep 2018 6:19

Instrument :

BNA_G

ClientSampleId :

TP-4

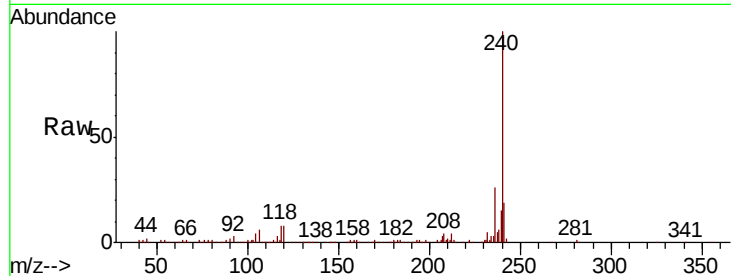
Tgt Ion: 240 Resp: 304328

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

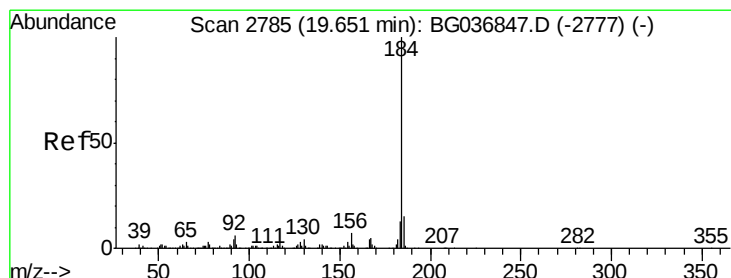
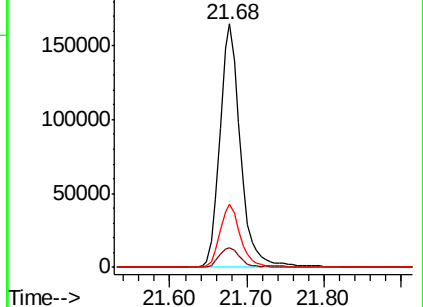
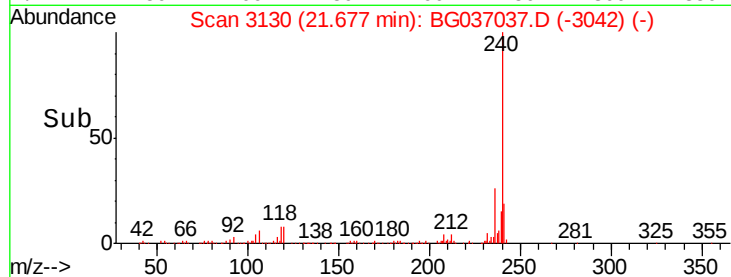
236 25.8 21.2 31.8



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: 2.070 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

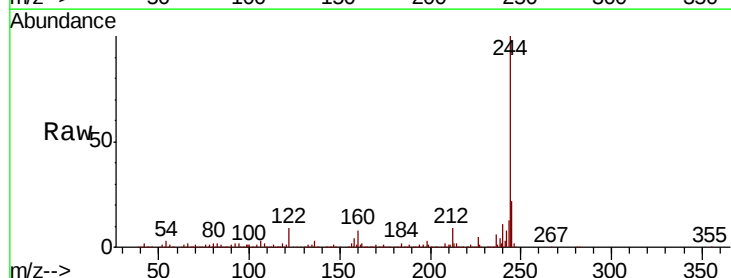
Tgt Ion: 184 Resp: 19041

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

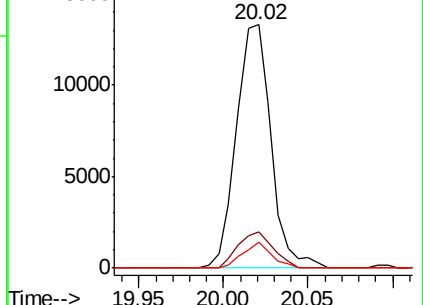
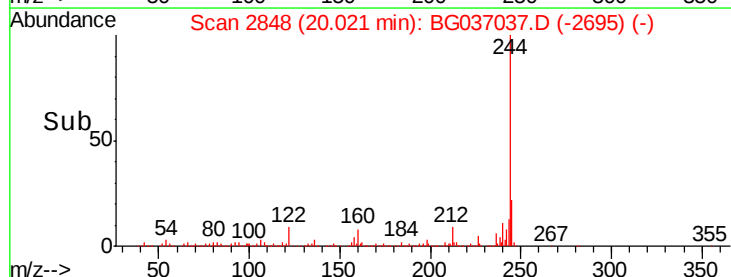
183 10.5 10.9 16.3#

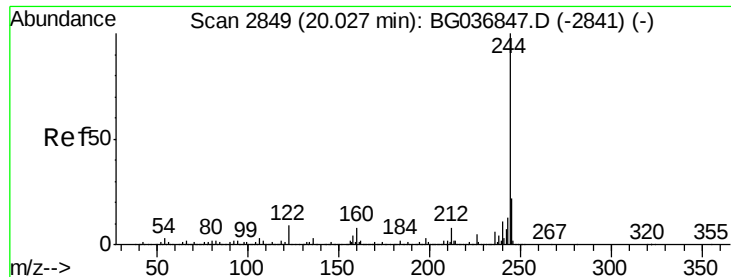


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.274 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

Instrument :

BNA_G

ClientSampleId :

TP-4

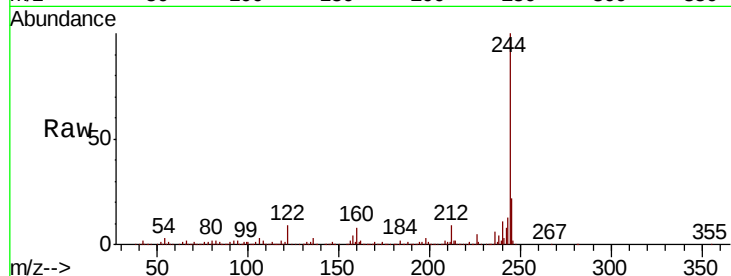
Tgt Ion:244 Resp: 1091098

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

1000000

800000

600000

400000

200000

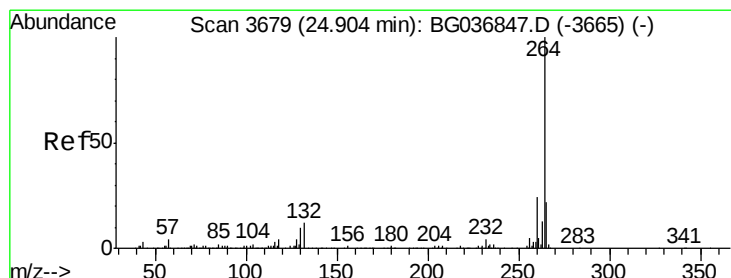
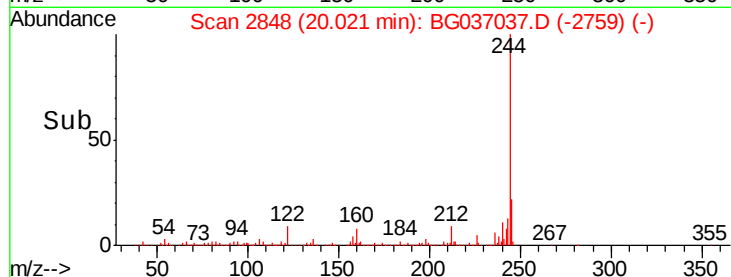
0

20.02

20.00

20.10

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3676

Delta R.T. -0.02 min

Lab File: BG037037.D

Acq: 28 Sep 2018 6:19

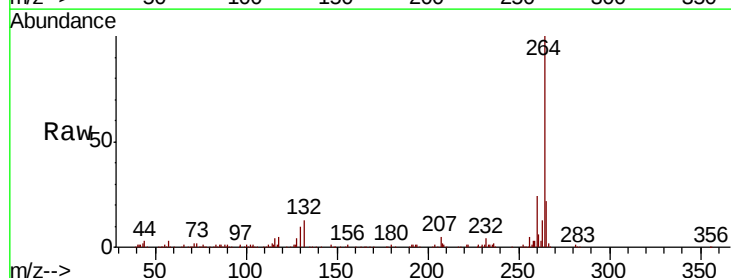
Tgt Ion:264 Resp: 295456

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 21.6 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

120000

100000

80000

60000

40000

20000

0

24.89

24.80

24.90

25.00

Time-->

