

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG036987.D
 Acq On : 26 Sep 2018 18:32
 Operator : JU/SJ
 Sample : J4773-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 08:06:23 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

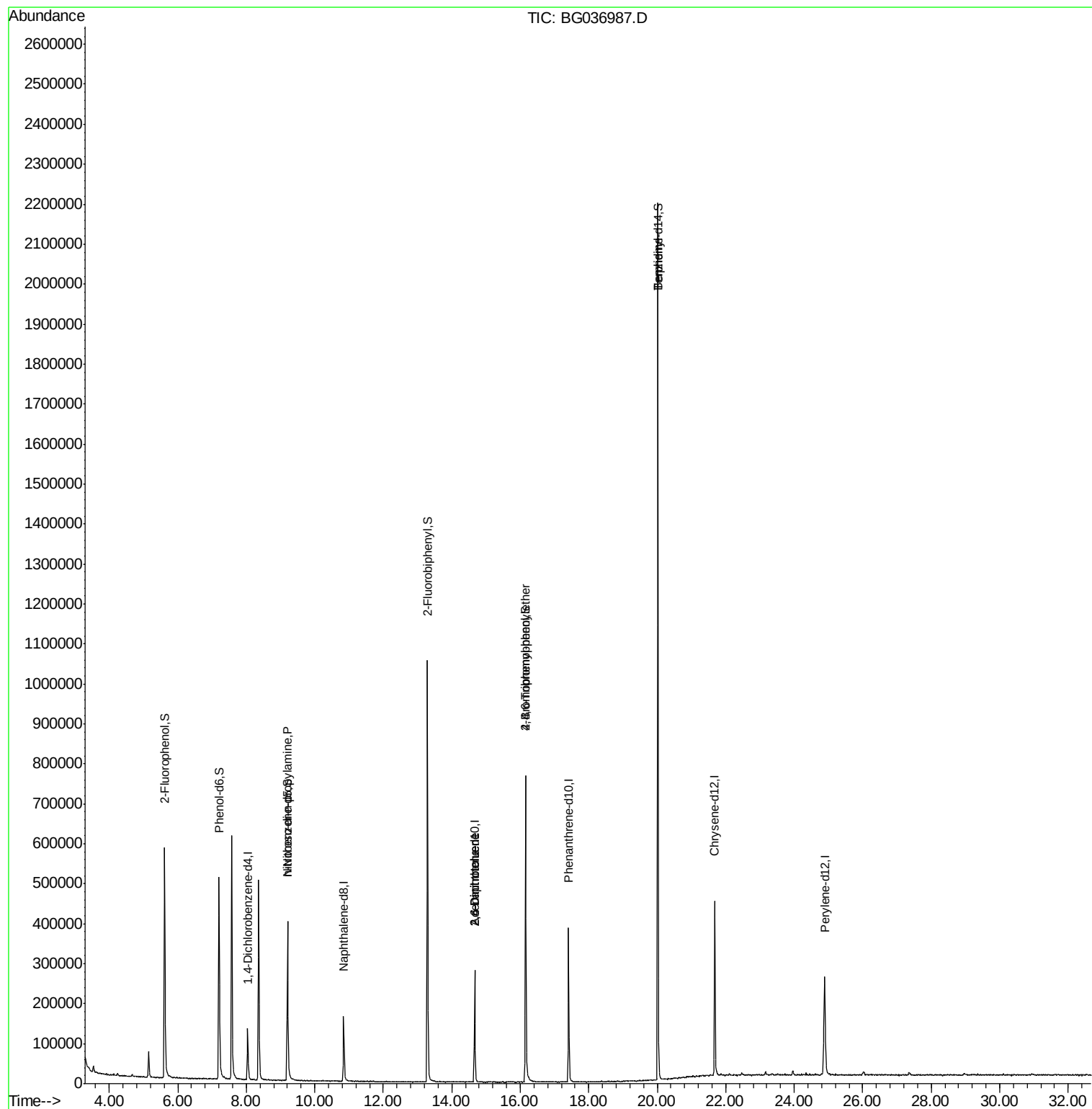
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	41375	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	165386	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	103992	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	268559	20.00	ng	0.00
75) Chrysene-d12	21.68	240	291998	20.00	ng	-0.01
86) Perylene-d12	24.89	264	283244	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	269236	124.79	ng	0.00
7) Phenol-d6	7.20	99	331803	99.40	ng	-0.01
23) Nitrobenzene-d5	9.20	82	280545	90.84	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	155499	124.98	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	604531	86.58	ng	-0.01
78) Terphenyl-d14	20.02	244	1077253	97.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38558	13.886	ng	# 77
50) 2,6-Dinitrotoluene	14.66	165	13534	7.410	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	13534	5.311	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	10875	3.560	ng	# 1
76) Benzidine	20.02	184	18460	2.091	ng	# 91

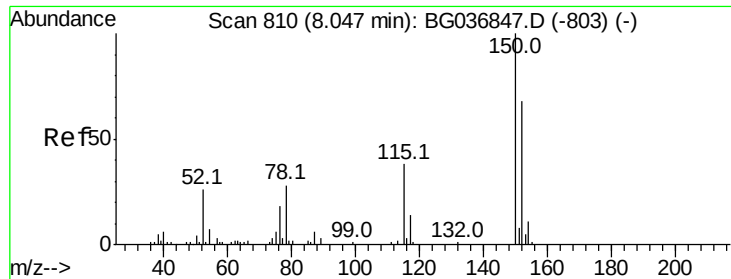
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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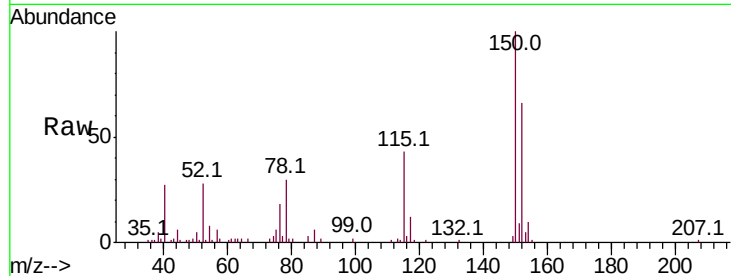


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	119.5	179.3
115	64.8	44.5	66.7

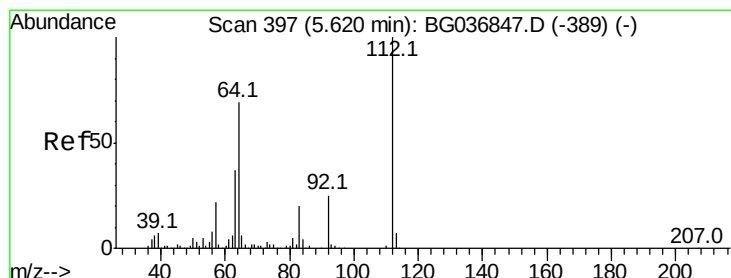
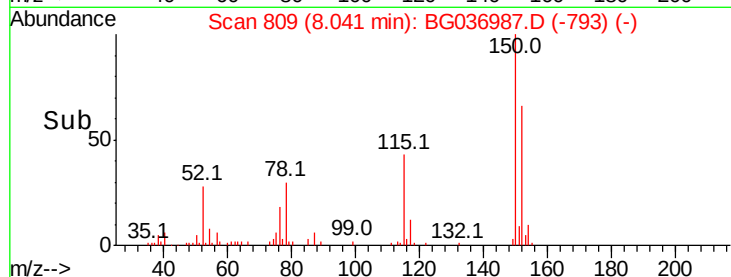
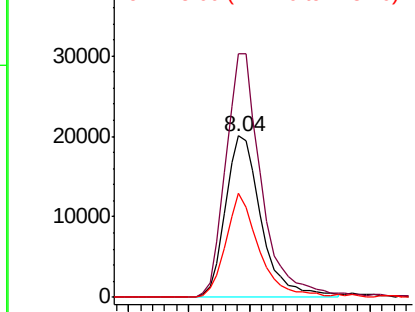


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

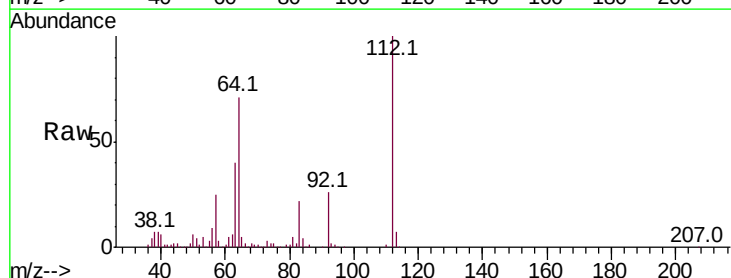
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.794 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	57.2	85.8
63	40.0	30.8	46.2

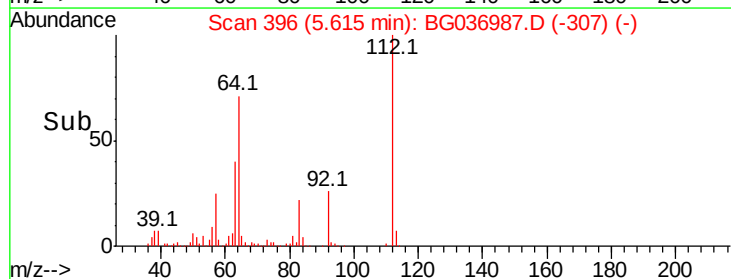
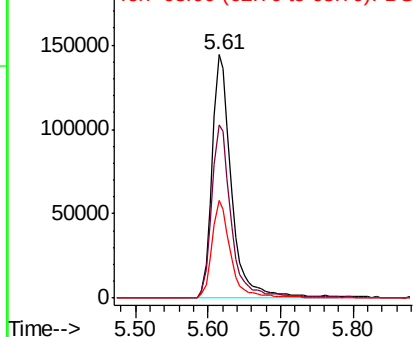


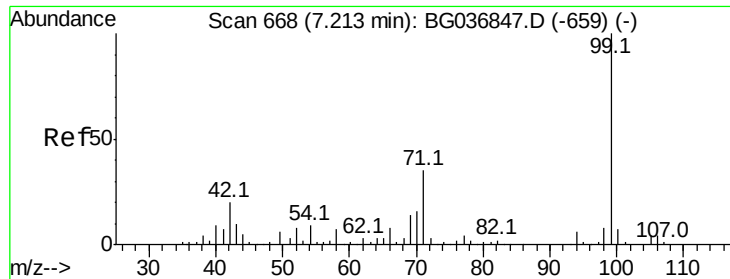
Abundance

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: 99.404 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

Instrument :

BNA_G

ClientSampleId :

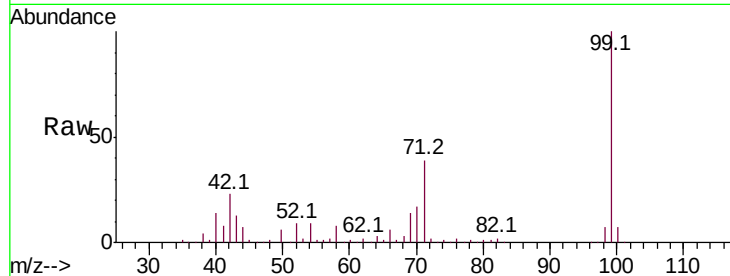
Tot Ion: 99 Resp: 331803

Ion Ratio Lower Upper

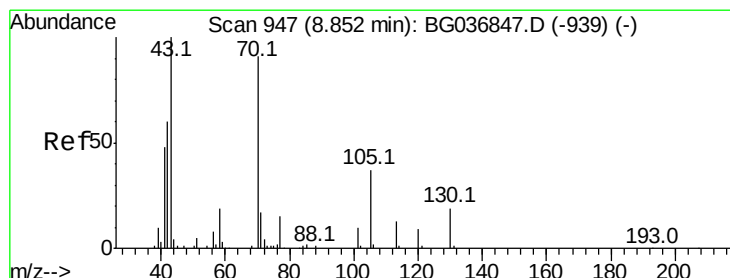
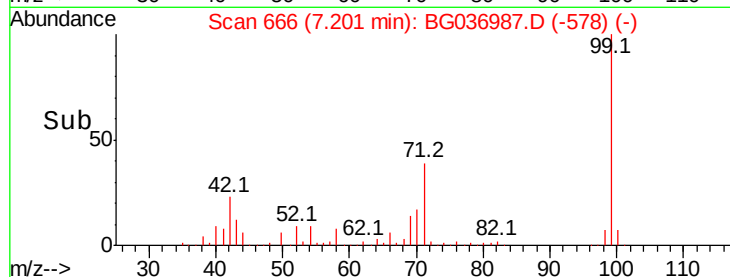
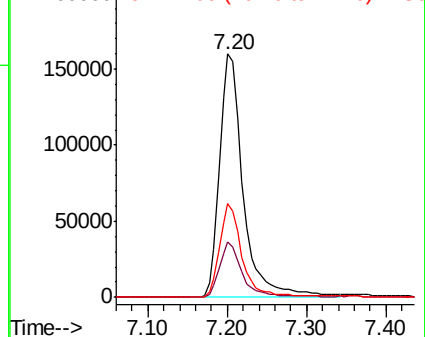
99 100

42 22.9 16.5 24.7

71 38.8 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: 13.886 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

Tgt Ion: 70 Resp: 38558

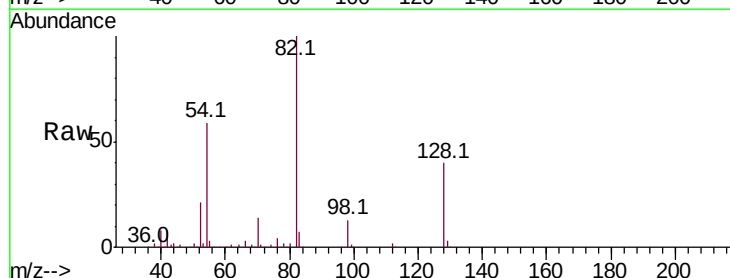
Ion Ratio Lower Upper

70 100

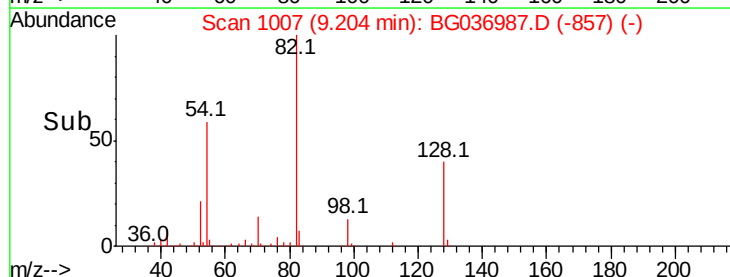
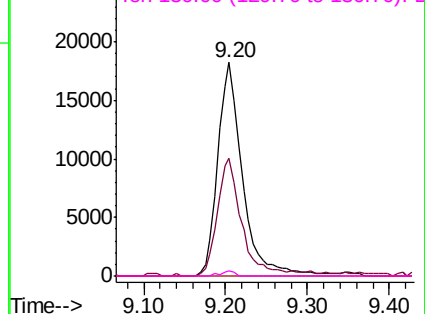
42 55.0 56.2 84.4#

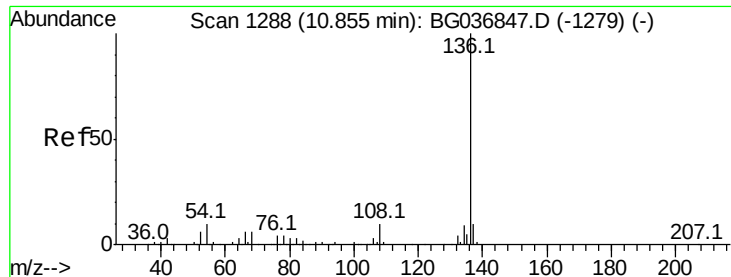
101 0.0 7.8 11.6#

130 2.3 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

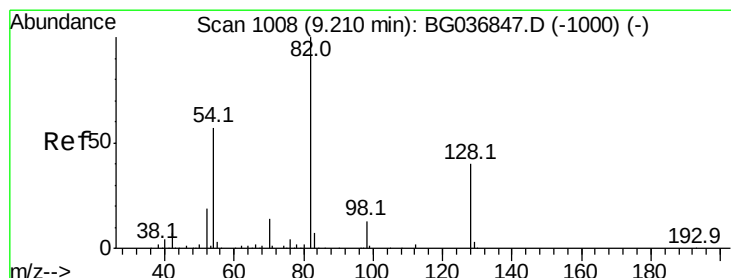
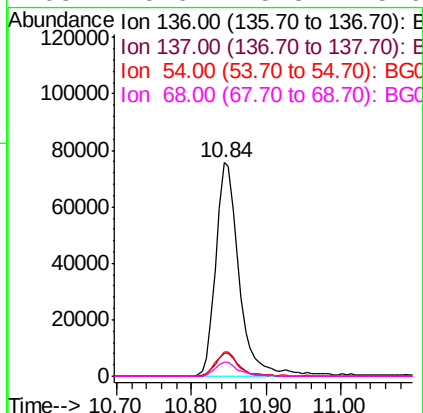
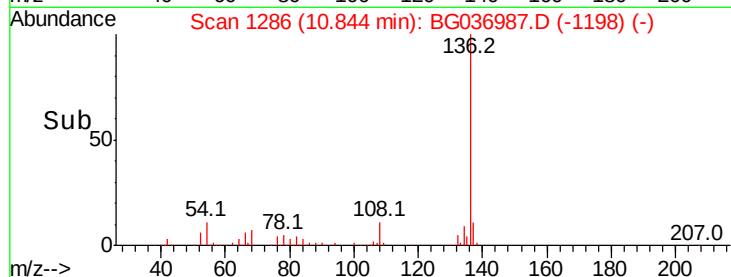
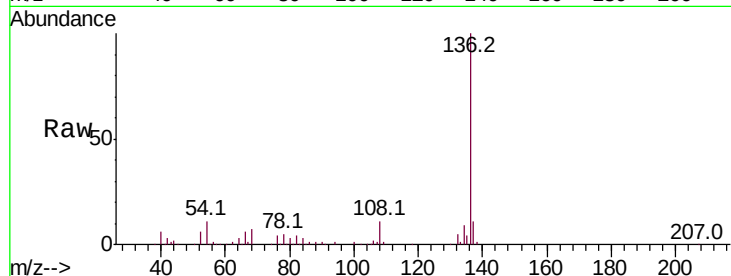




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

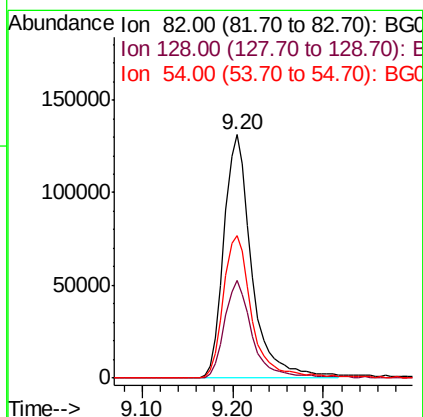
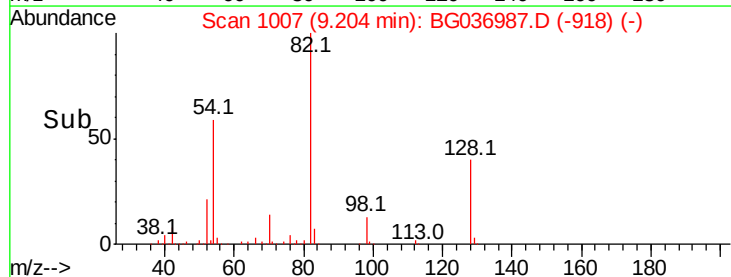
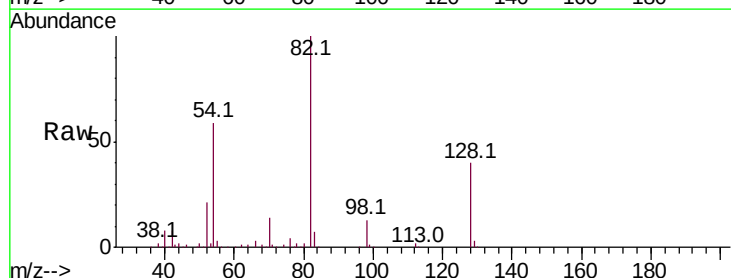
Instrument :
BNA_G
ClientSampleId :

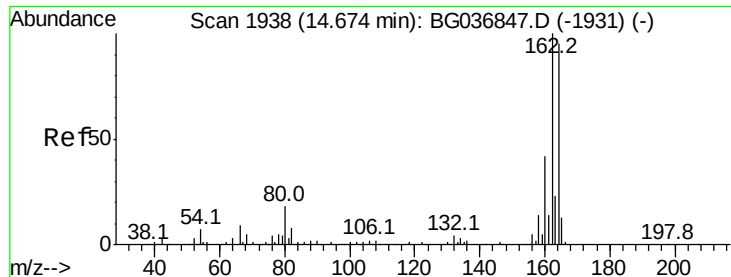
Tot Ion:	136	Resp:	165386
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	11.4	9.2	13.8
68	6.6	5.8	8.6



#23
Nitrobenzene-d5
Concen: 90.839 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Tgt Ion:	82	Resp:	280545
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	58.6	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: BG036987.D

Acq: 26 Sep 2018 18:32

Instrument :

BNA_G

ClientSampled :

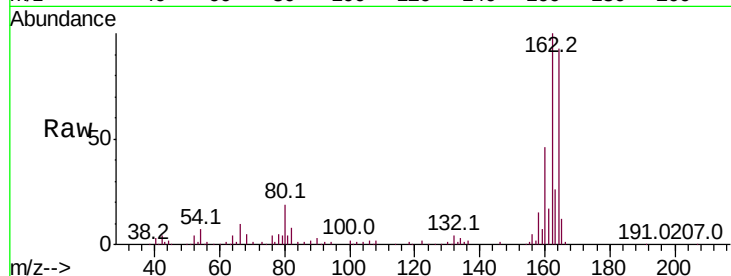
Tot Ion:164 Resp: 103992

Ion Ratio Lower Upper

164 100

162 107.8 80.7 121.1

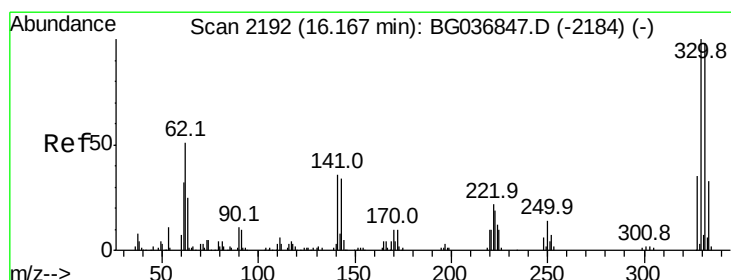
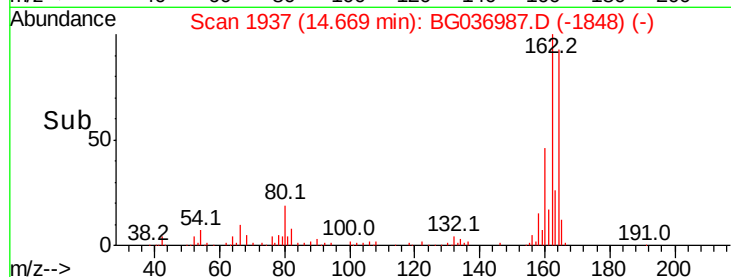
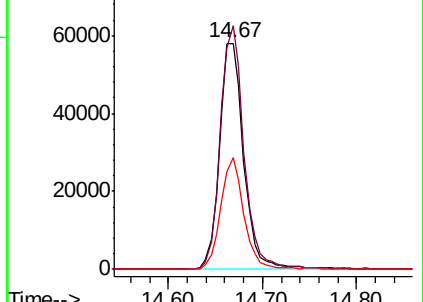
160 49.3 35.3 52.9



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: 124.979 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

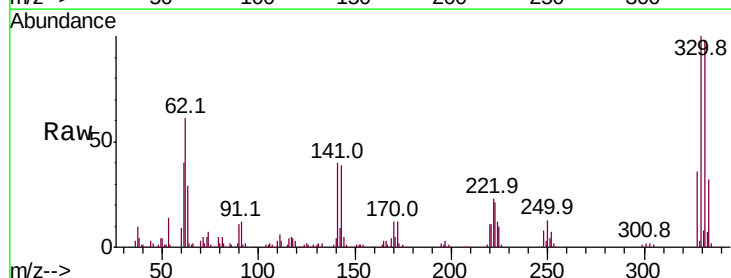
Tgt Ion:330 Resp: 155499

Ion Ratio Lower Upper

330 100

332 95.5 75.4 113.2

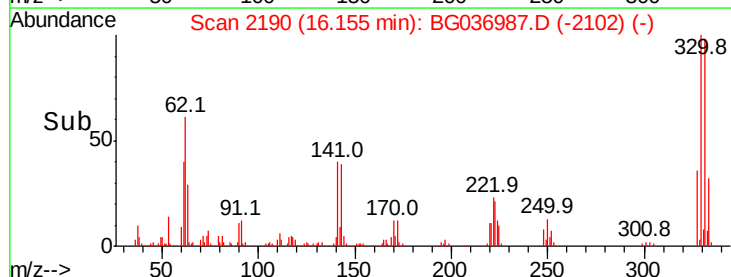
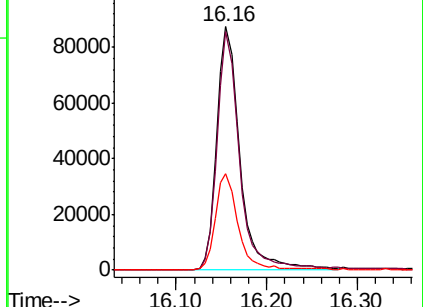
141 38.1 30.7 46.1

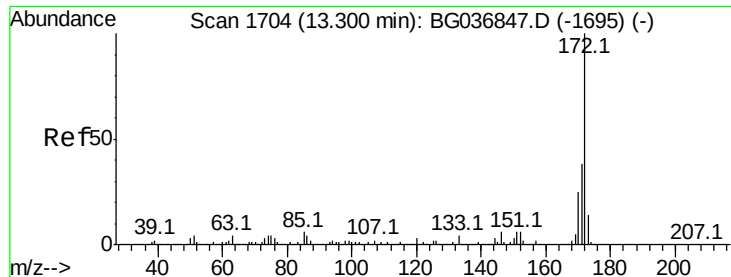


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

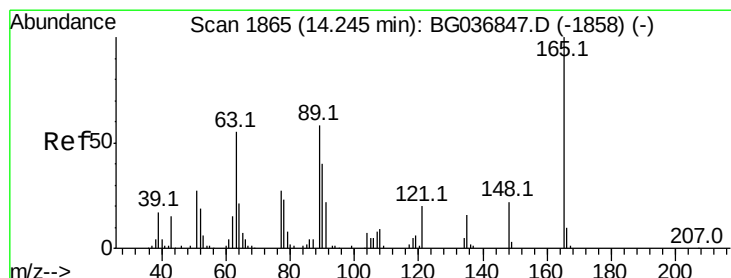
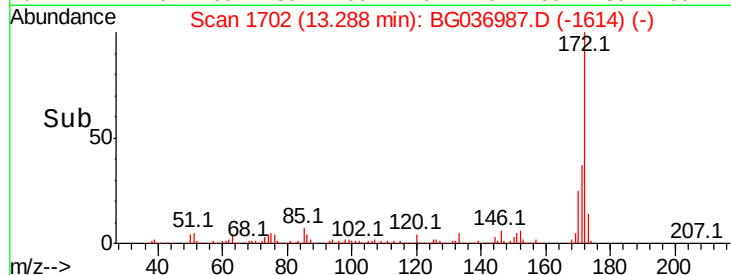
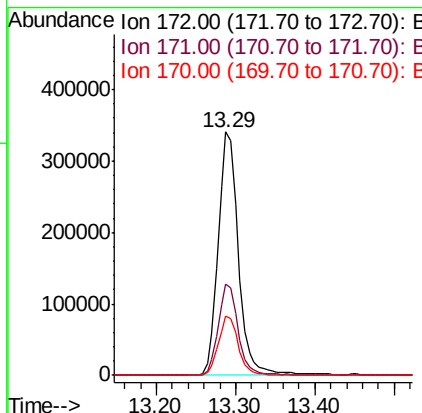
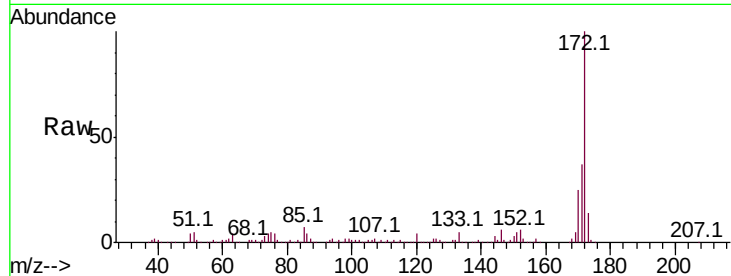




#44
 2-Fluorobiphenyl
 Concen: 86.582 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036987.D
 Acq: 26 Sep 2018 18:32

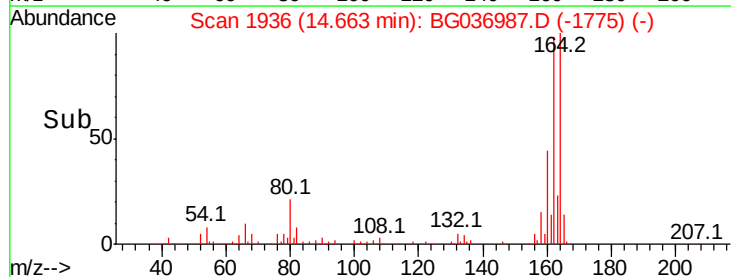
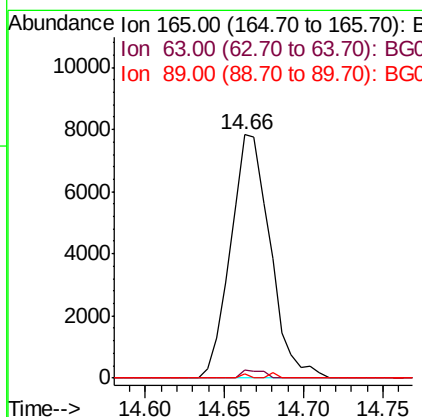
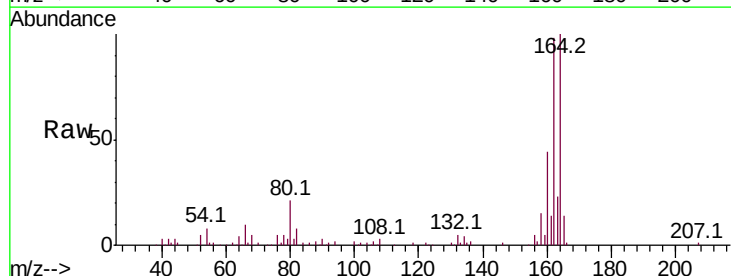
Instrument :
 BNA_G
 ClientSampleId :

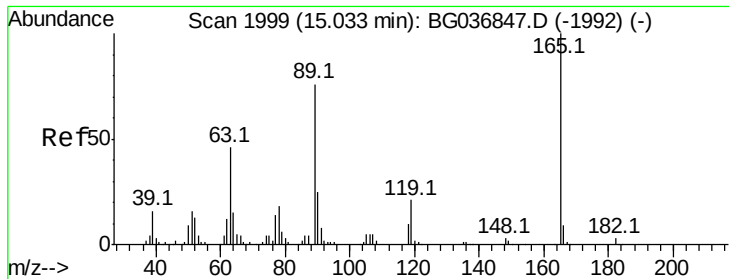
Tot Ion:172 Resp: 604531
 Ion Ratio Lower Upper
 172 100
 171 37.4 31.3 46.9
 170 24.5 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.410 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036987.D
 Acq: 26 Sep 2018 18:32

Tgt Ion:165 Resp: 13534
 Ion Ratio Lower Upper
 165 100
 63 3.3 50.1 75.1#
 89 2.0 47.8 71.6#





#56

2,4-Dinitrotoluene

Concen: 5.311 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.37 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13534

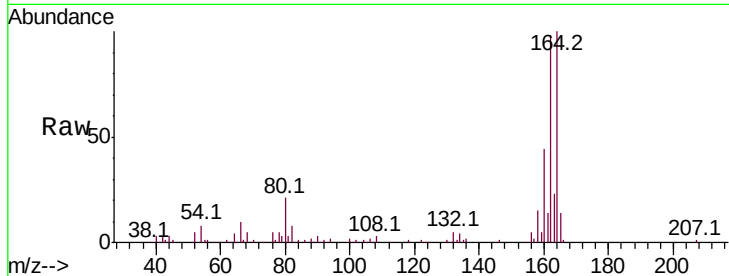
Ion Ratio Lower Upper

165 100

63 3.3 40.1 60.1#

89 2.0 63.7 95.5#

182 0.0 2.5 3.7#

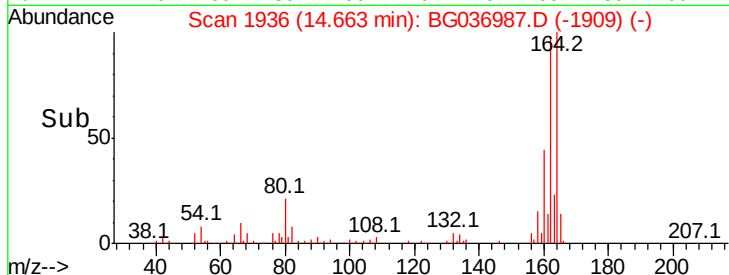


Abundance Ion 165.00 (164.70 to 165.70): E

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



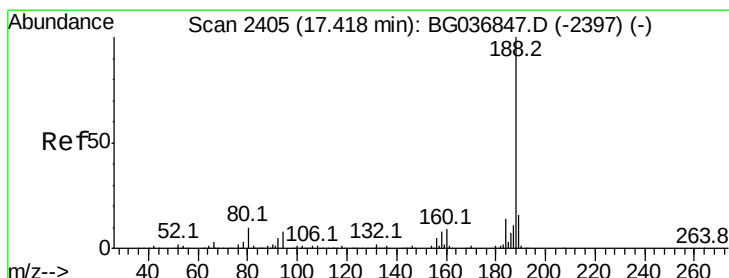
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

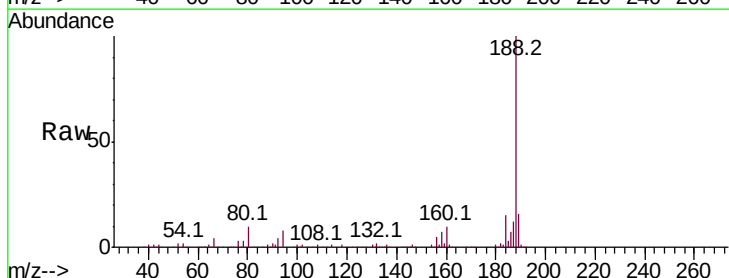
Tgt Ion:188 Resp: 268559

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

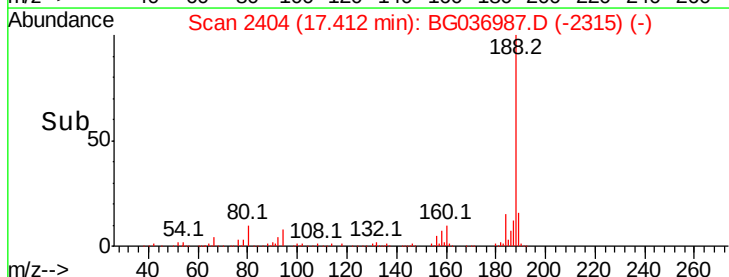
80 9.9 8.1 12.1



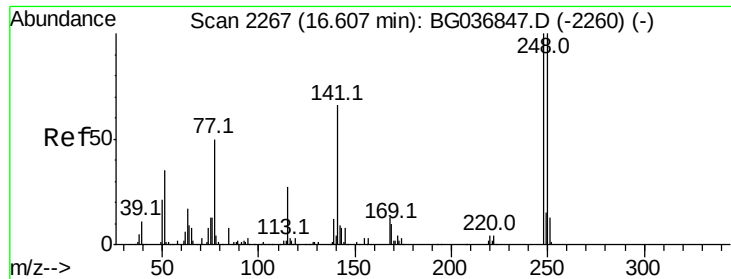
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



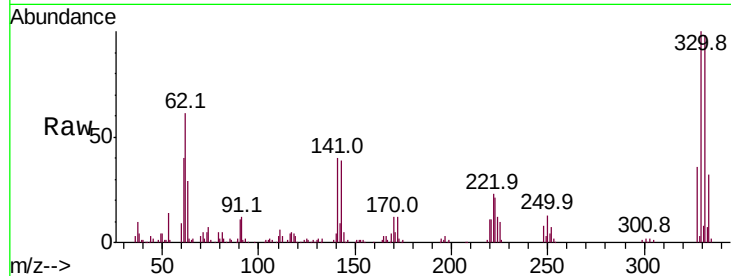
Time-->



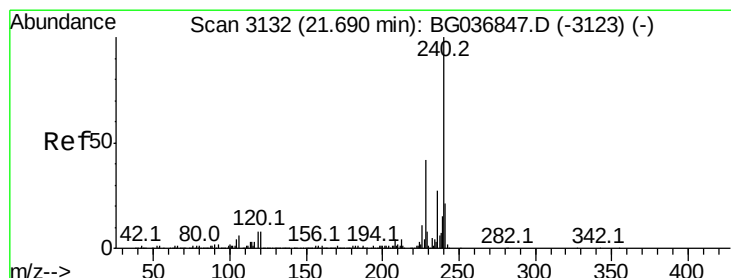
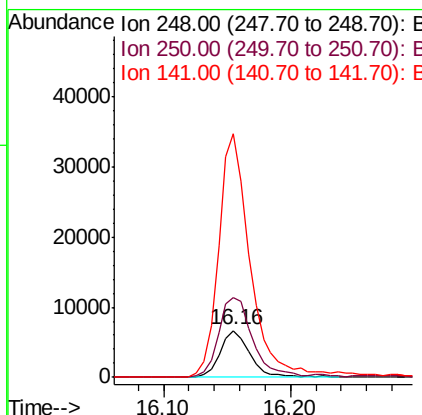
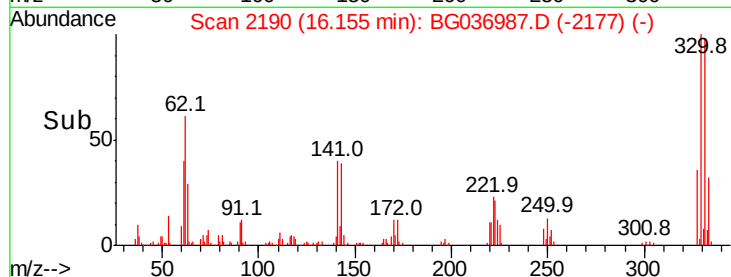
#66
4-Bromophenyl-phenylether
Concen: 3.560 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 10875
Ion Ratio Lower Upper
248 100
250 171.2 78.1 117.1#
141 520.0 53.7 80.5#

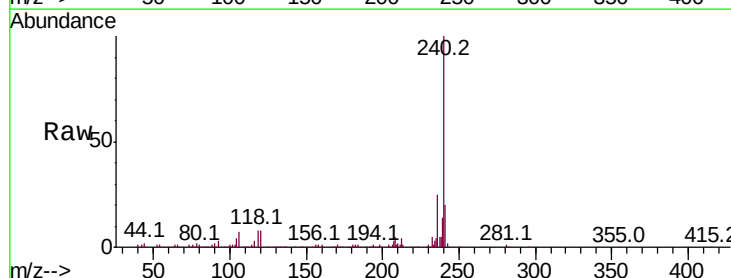


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

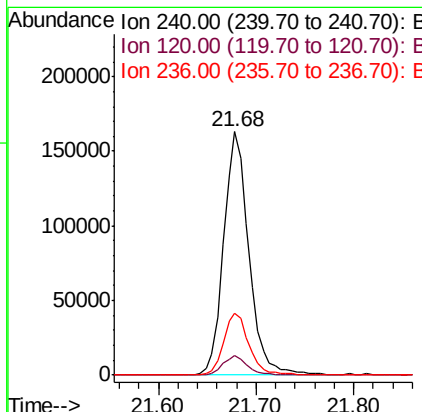
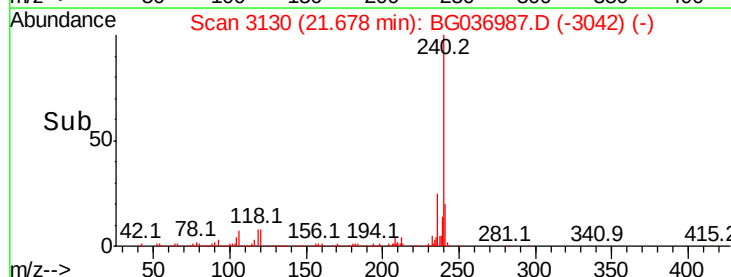


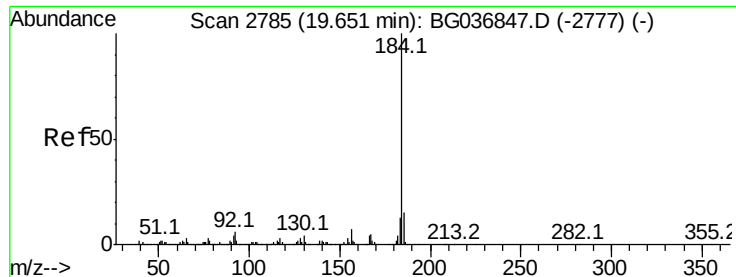
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Tgt Ion:240 Resp: 291998
Ion Ratio Lower Upper
240 100
120 8.3 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: 2.091 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

Instrument :

BNA_G

ClientSampleId :

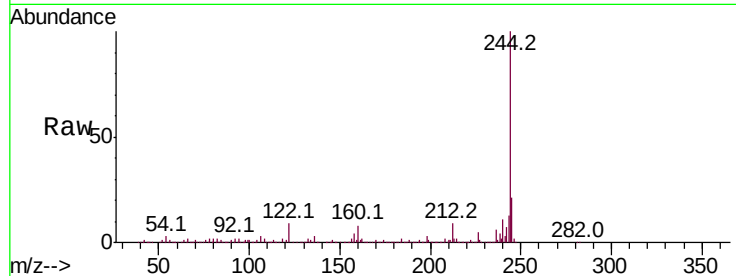
Tot Ion:184 Resp: 18460

Ion Ratio Lower Upper

184 100

185 17.6 12.6 18.8

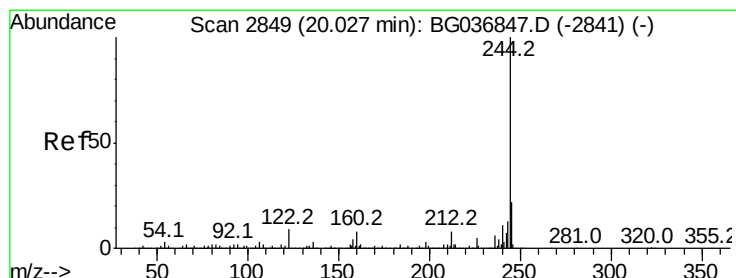
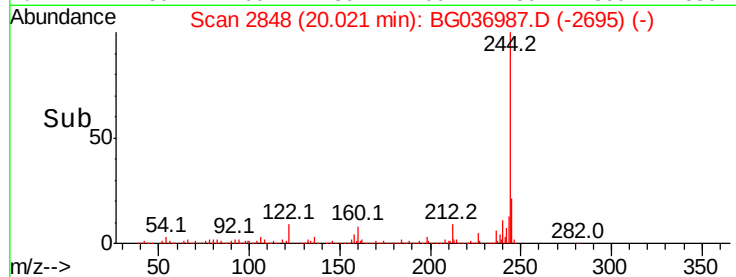
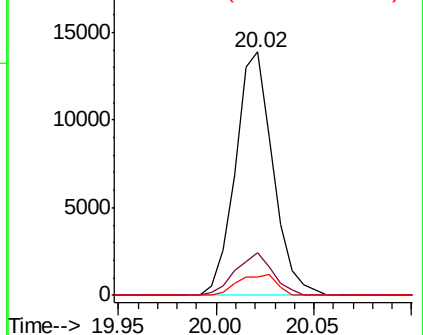
183 7.6 10.9 16.3#



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: 97.008 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036987.D

Acq: 26 Sep 2018 18:32

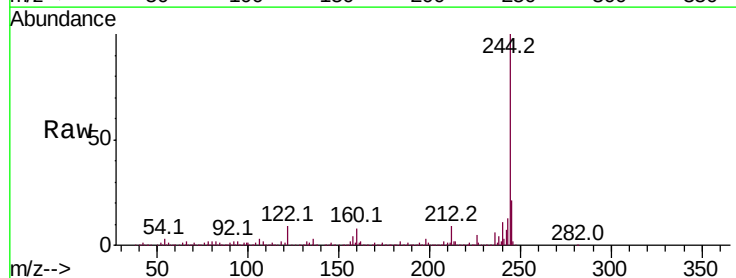
Tgt Ion:244 Resp: 1077253

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

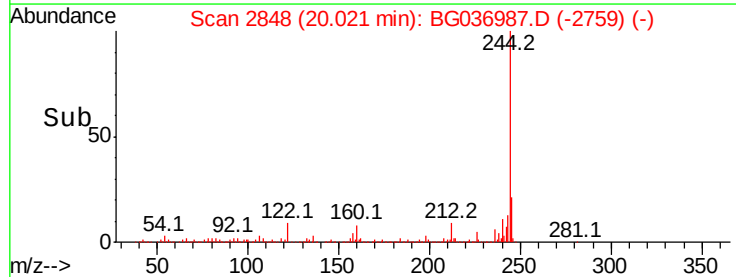
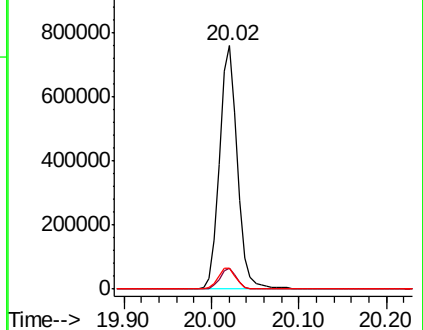
122 8.8 7.1 10.7

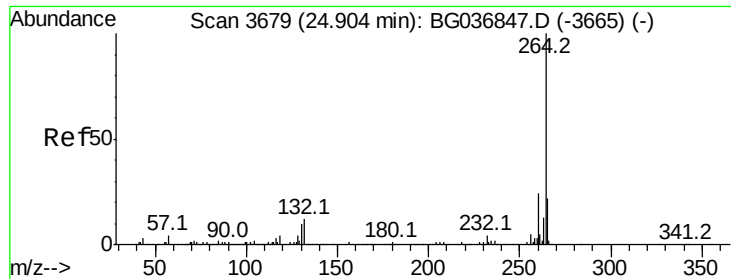


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036987.D
Acq: 26 Sep 2018 18:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	283244
Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.6	29.4
265	21.5	17.4	26.0

