

Data File : BG036584.D
Acq On : 7 Sep 2018 00:42
Operator : JU/SJ
Sample : PB112641BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB112641BL

Quant Time: Sep 07 04:23:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

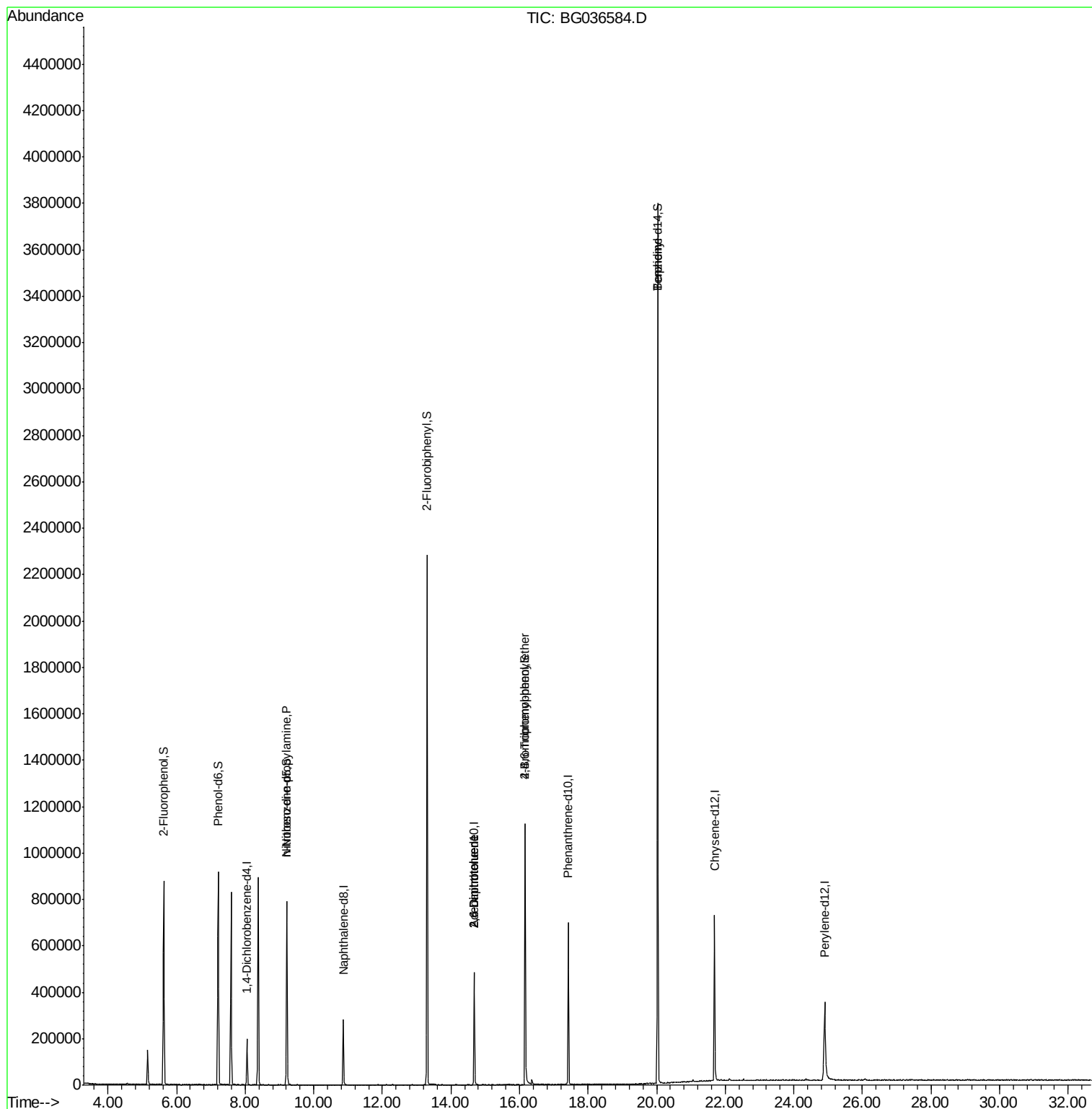
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55595	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	238397	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	167248	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	445789	20.00	ng	0.00
75) Chrysene-d12	21.68	240	466512	20.00	ng	-0.01
86) Perylene-d12	24.90	264	437434	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	375851	107.24	ng	0.00
7) Phenol-d6	7.21	99	530346	105.69	ng	0.00
23) Nitrobenzene-d5	9.22	82	470686	107.12	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	227973	114.24	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1153656	98.49	ng	0.00
78) Terphenyl-d14	20.03	244	1822244	91.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	62768	16.737	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	21785	7.752	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	21785	5.948	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	15992	3.064	ng	# 1
76) Benzidine	20.03	184	31322	2.104	ng	# 93

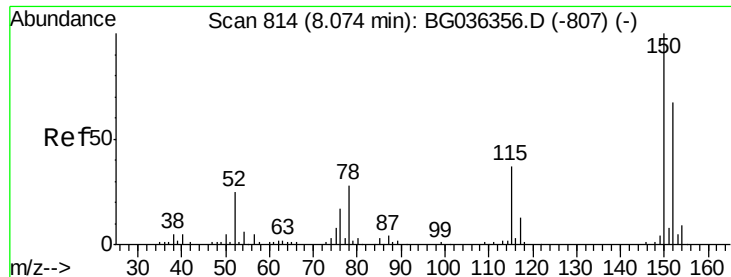
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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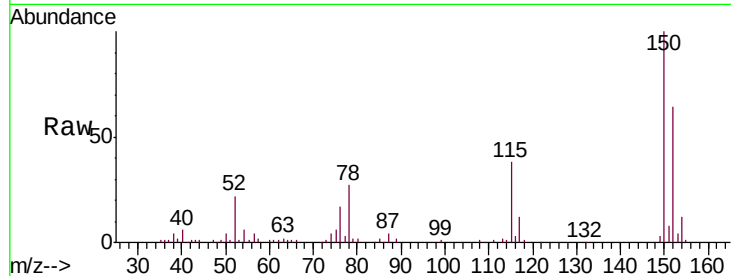


#1

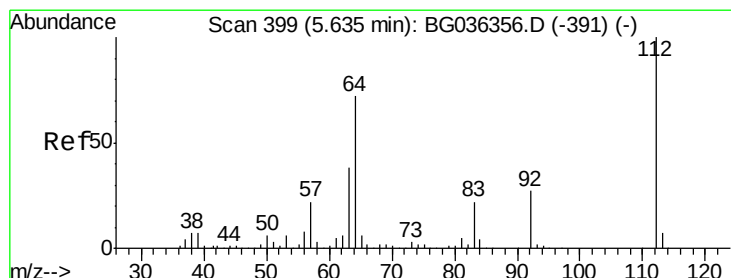
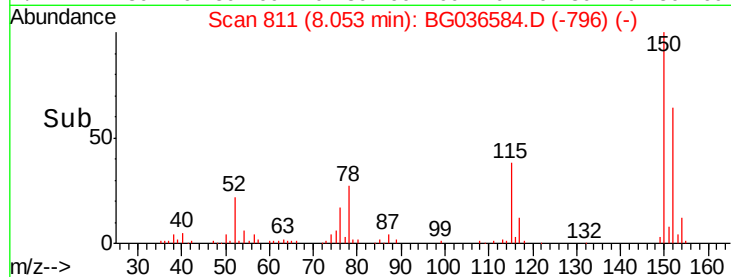
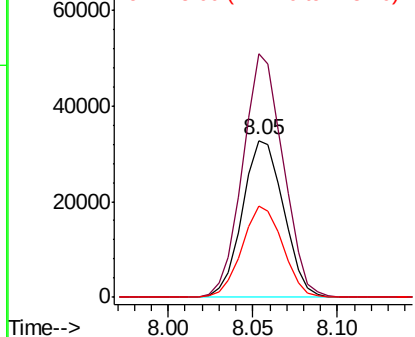
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036584.D
Acq: 7 Sep 2018 00:42

Instrument :
BNA_G
ClientSampleId :
PB112641BL

Tgt Ion:152 Resp: 55595
Ion Ratio Lower Upper
152 100
150 155.4 119.5 179.3
115 58.5 44.5 66.7



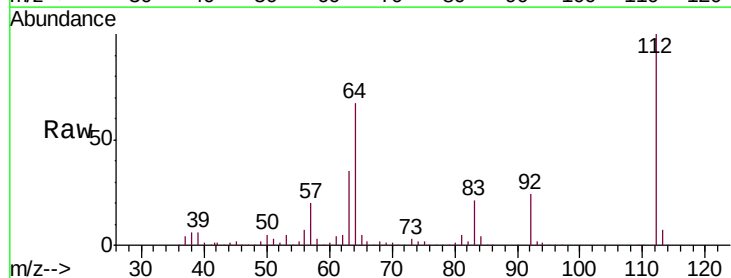
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



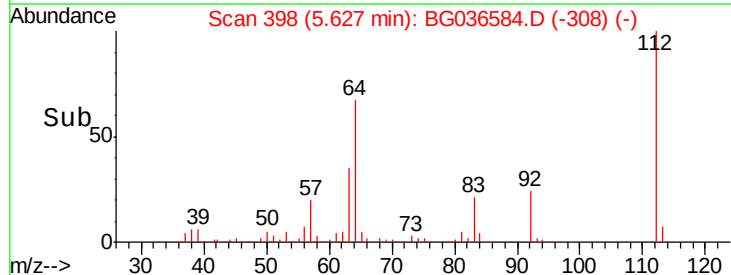
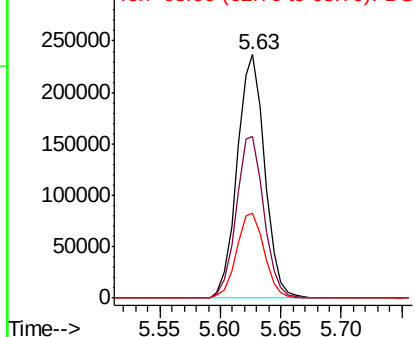
#5

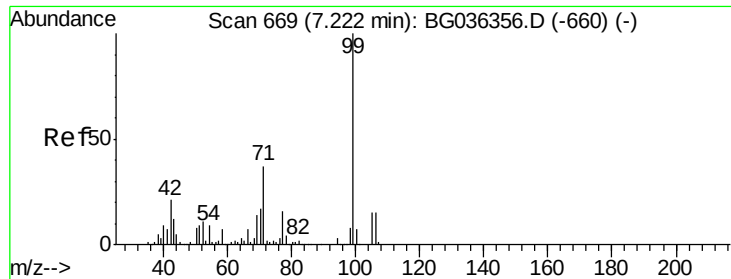
2-Fluorophenol
Concen: 107.242 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036584.D
Acq: 7 Sep 2018 00:42

Tgt Ion:112 Resp: 375851
Ion Ratio Lower Upper
112 100
64 66.7 57.2 85.8
63 34.6 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: 105.691 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

Instrument :

BNA_G

ClientSampleId :

PB112641BL

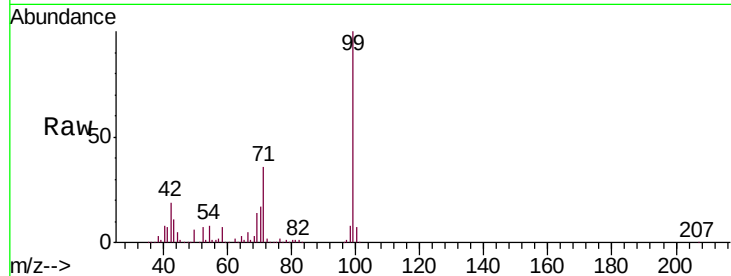
Tgt Ion: 99 Resp: 530346

Ion Ratio Lower Upper

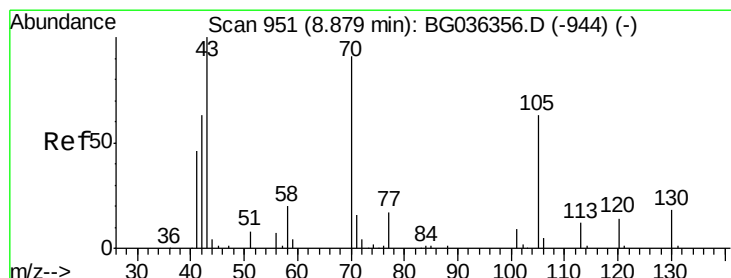
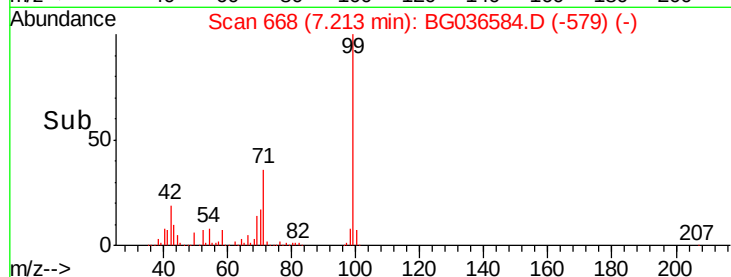
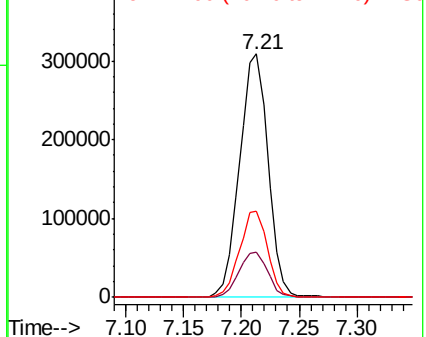
99 100

42 18.7 16.5 24.7

71 35.5 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: 16.737 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

Tgt Ion: 70 Resp: 62768

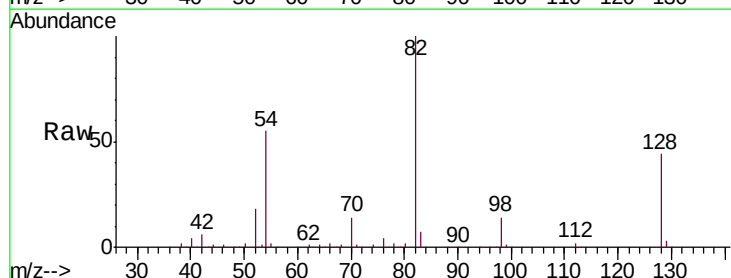
Ion Ratio Lower Upper

70 100

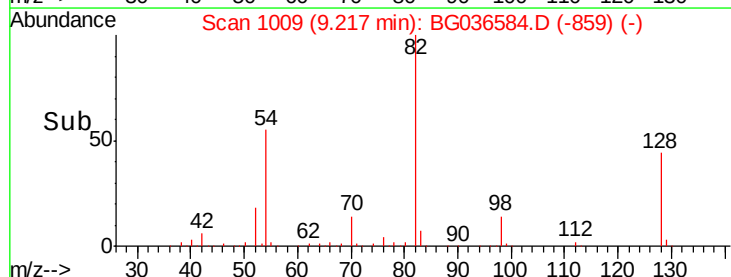
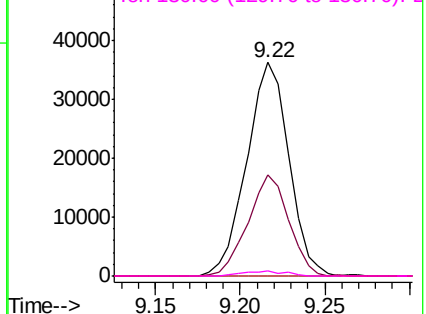
42 47.4 56.2 84.4#

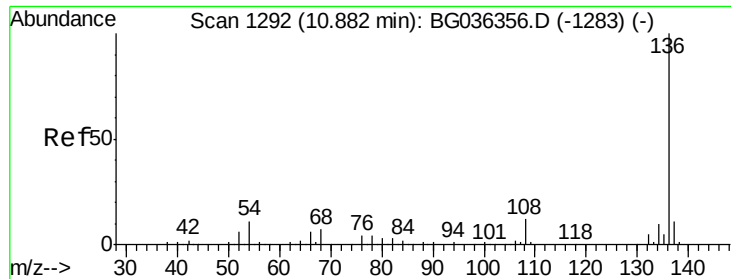
101 0.0 7.8 11.6#

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

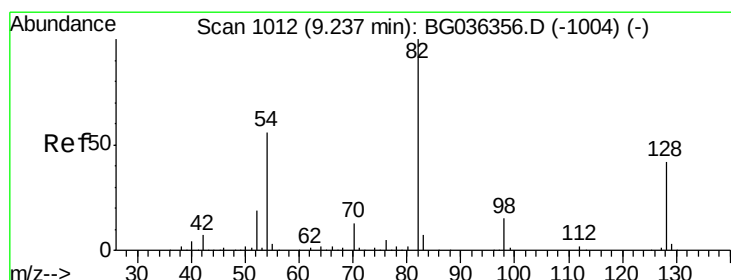
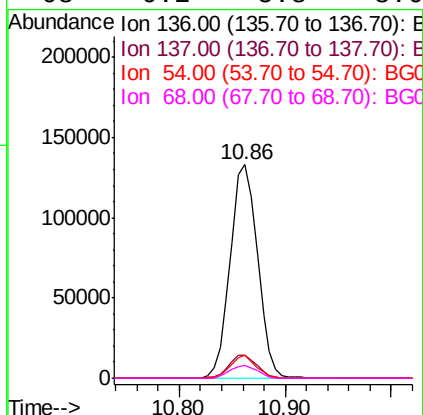
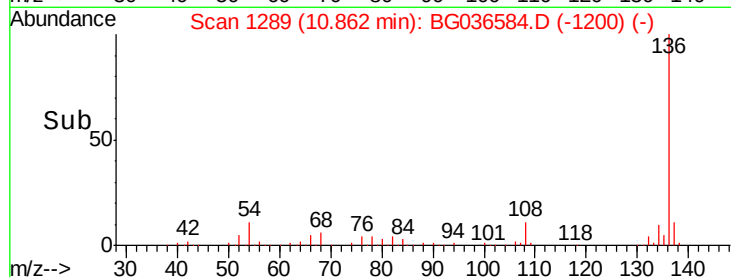
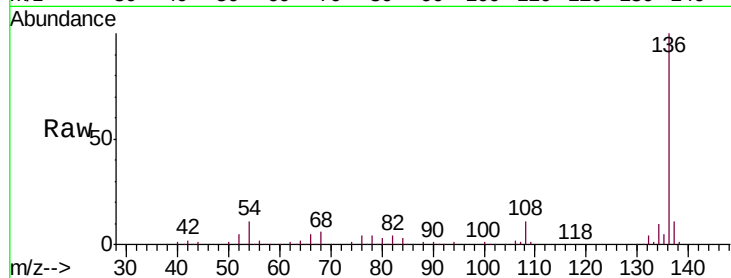




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036584.D
Acq: 7 Sep 2018 00:42

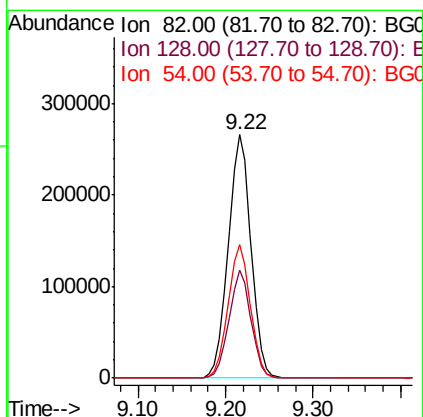
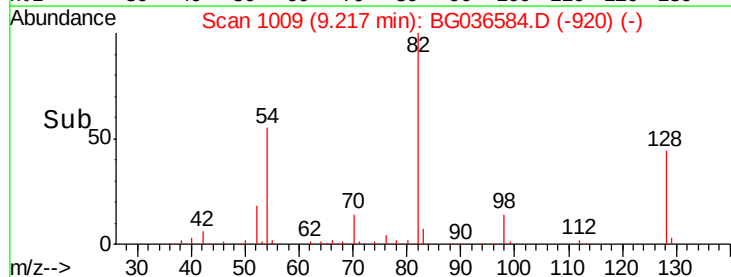
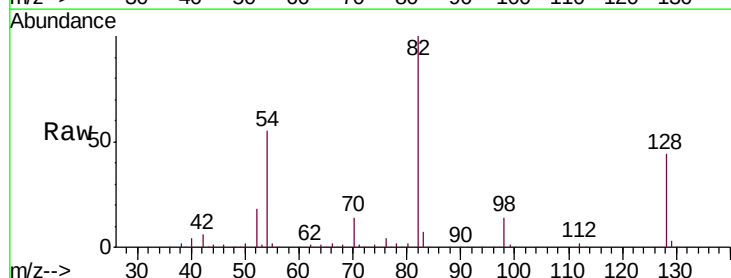
Instrument :
BNA_G
ClientSampleId :
PB112641BL

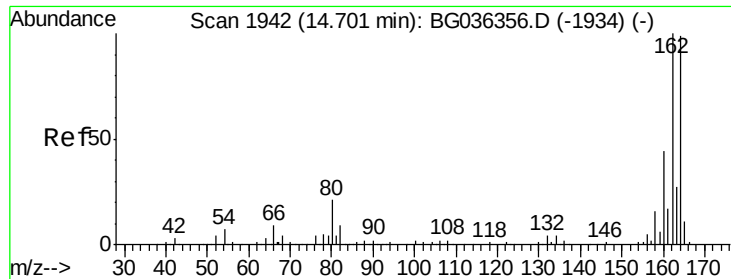
Tgt Ion:	136	Resp:	238397
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.8	9.2	13.8
68	6.2	5.8	8.6



#23
Nitrobenzene-d5
Concen: 107.123 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036584.D
Acq: 7 Sep 2018 00:42

Tgt Ion:	82	Resp:	470686
Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.3	49.9
54	55.1	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

Instrument :

BNA_G

ClientSampleId :

PB112641BL

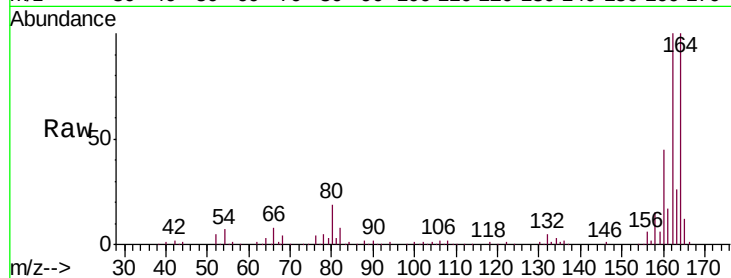
Tgt Ion:164 Resp: 167248

Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

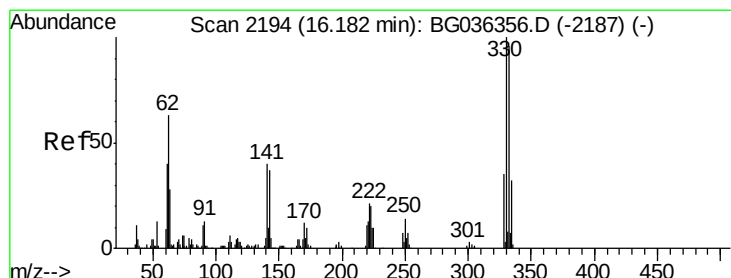
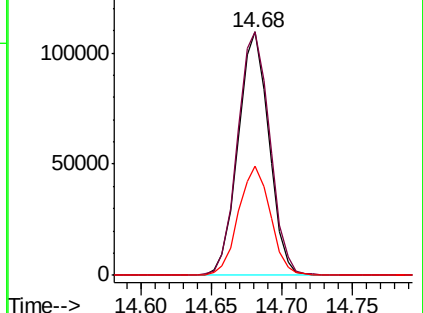
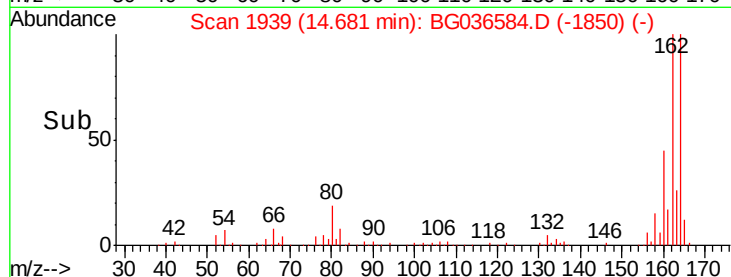
160 44.7 35.3 52.9



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: 114.235 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

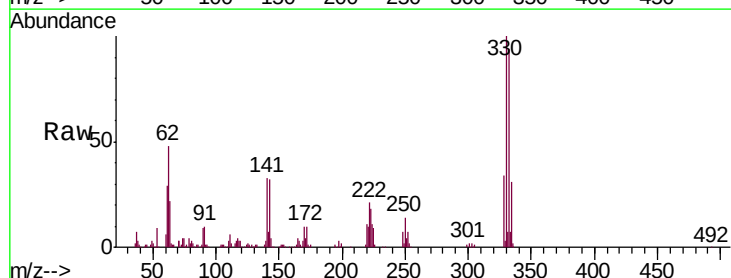
Tgt Ion:330 Resp: 227973

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

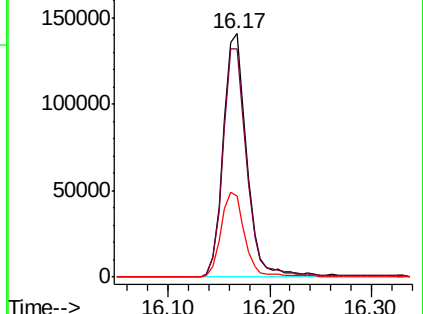
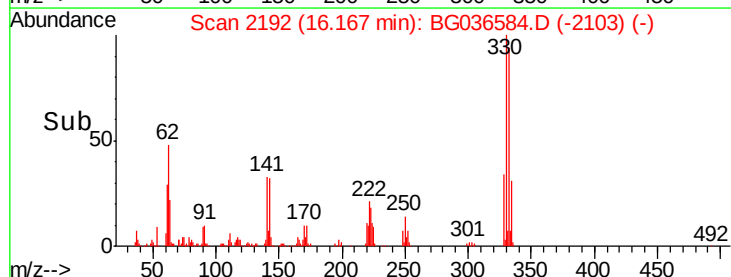
141 35.2 30.7 46.1

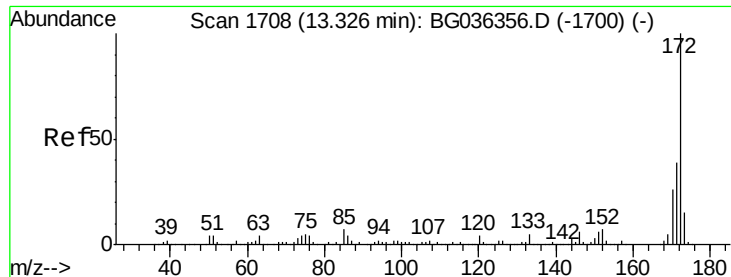


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

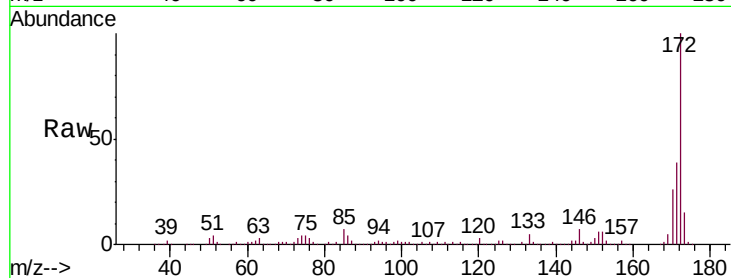




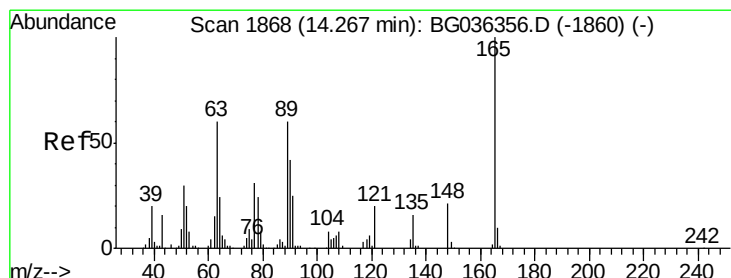
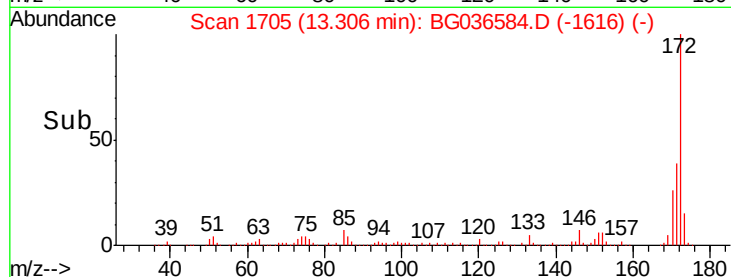
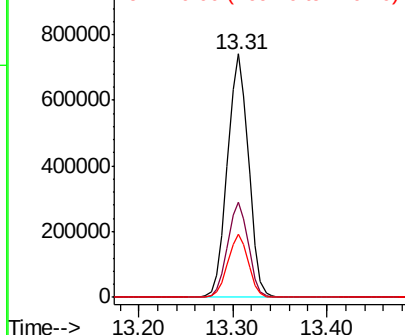
#44
 2-Fluorobiphenyl
 Concen: 98.489 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Instrument :
 BNA_G
 ClientSampleId :
 PB112641BL

Tgt Ion:172 Resp: 1153656
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.3 46.9
 170 26.0 21.0 31.6

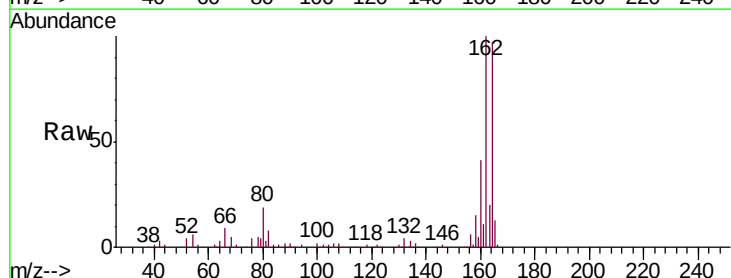


Abundance Ion 172.00 (171.70 to 172.70): E
 1000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

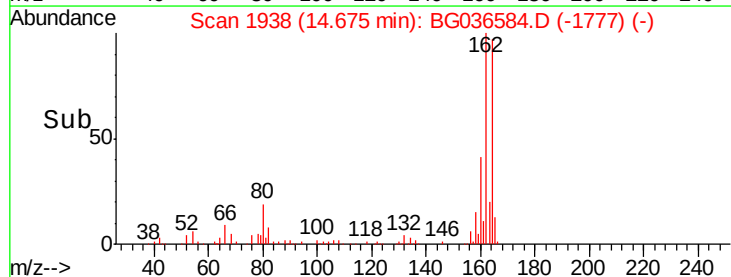
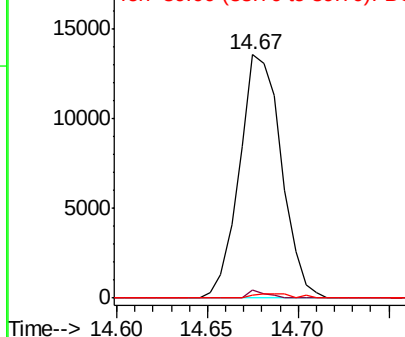


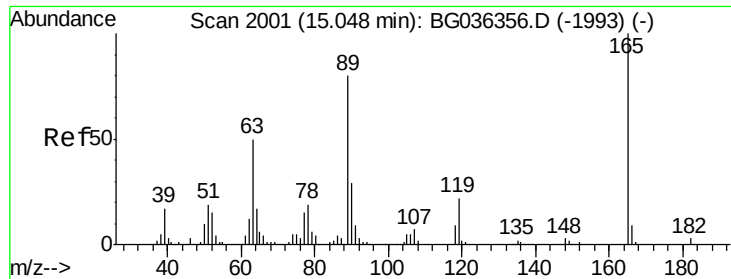
#50
 2,6-Dinitrotoluene
 Concen: 7.752 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Tgt Ion:165 Resp: 21785
 Ion Ratio Lower Upper
 165 100
 63 3.1 50.1 75.1#
 89 1.2 47.8 71.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

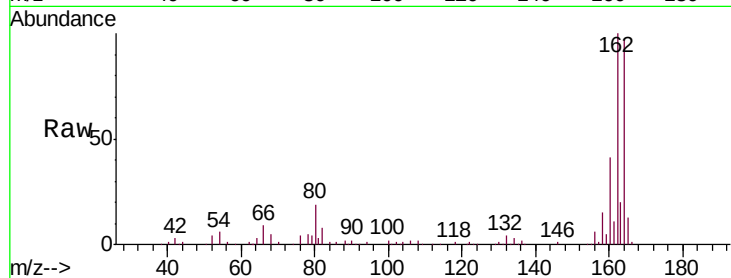




#56
 2,4-Dinitrotoluene
 Concen: 5.948 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Instrument :
 BNA_G
 ClientSampleId :
 PB112641BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	40.1	60.1#
89	1.2	63.7	95.5#
182	0.0	2.5	3.7#



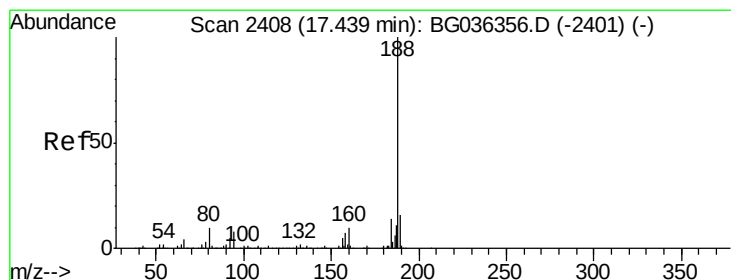
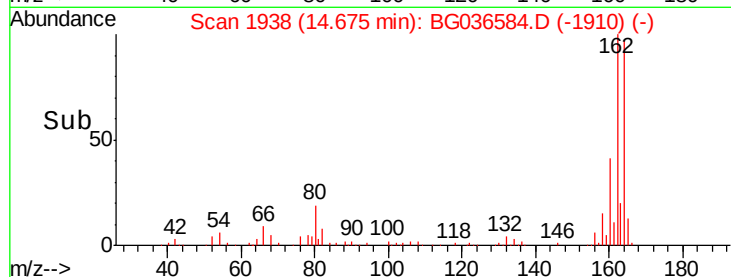
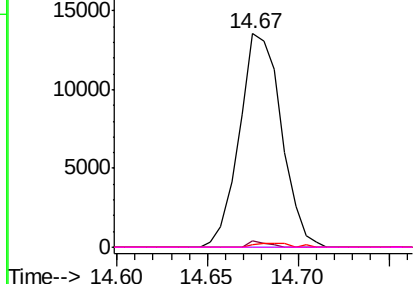
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

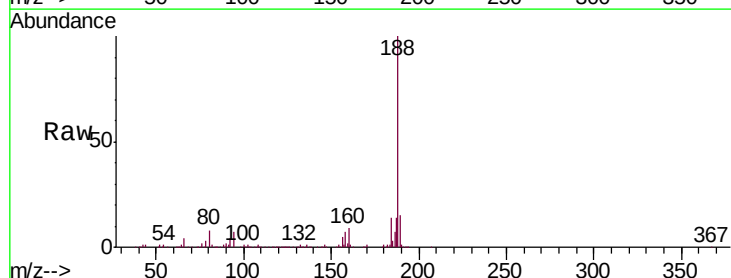
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.00 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.7	10.1
80	8.3	8.1	12.1

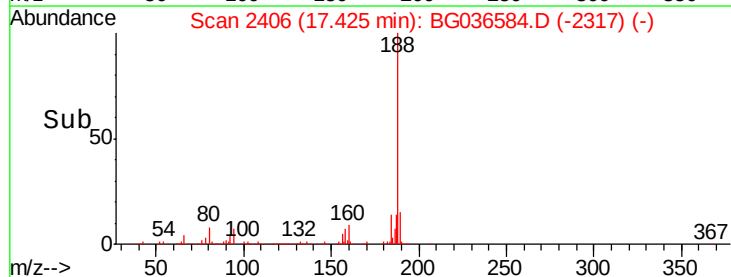
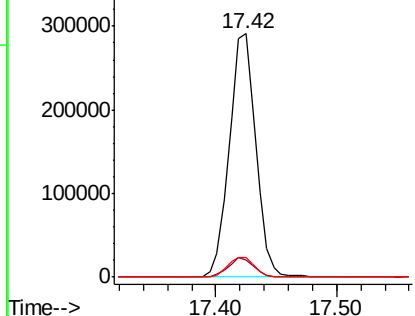


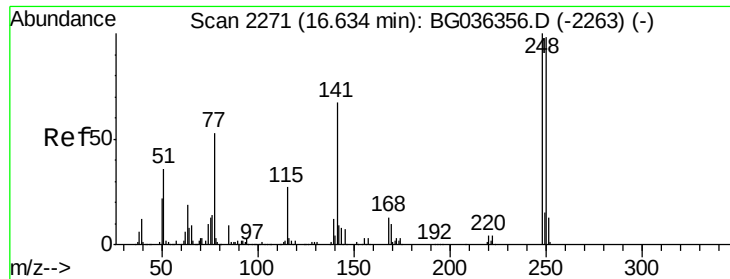
Abundance

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

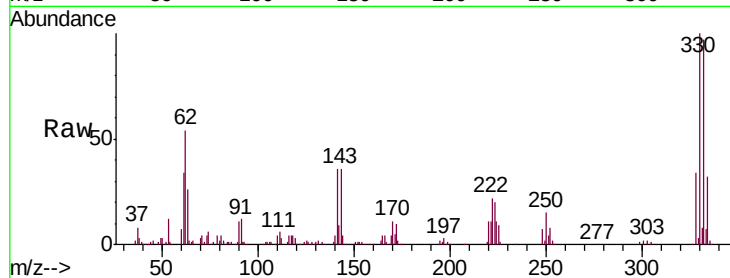




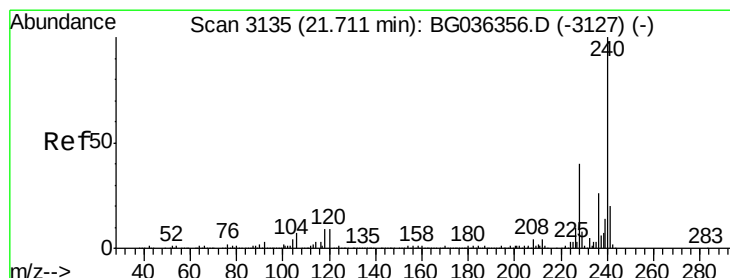
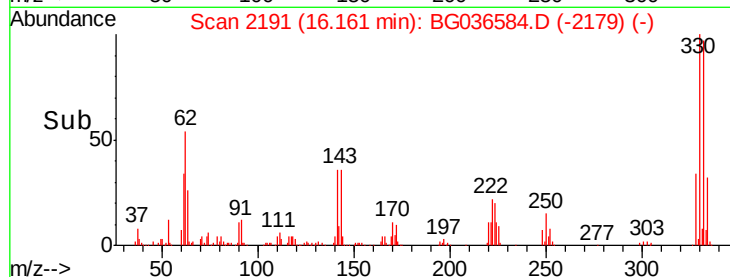
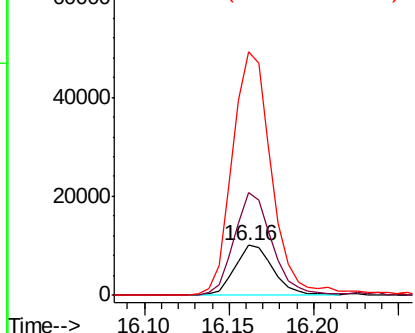
#66
 4-Bromophenyl-phenylether
 Concen: 3.064 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Instrument :
 BNA_G
 ClientSampleId :
 PB112641BL

Tgt Ion:248 Resp: 15992
 Ion Ratio Lower Upper
 248 100
 250 205.0 78.1 117.1#
 141 485.7 53.7 80.5#

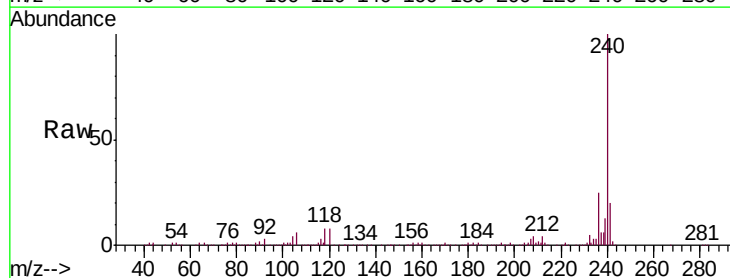


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

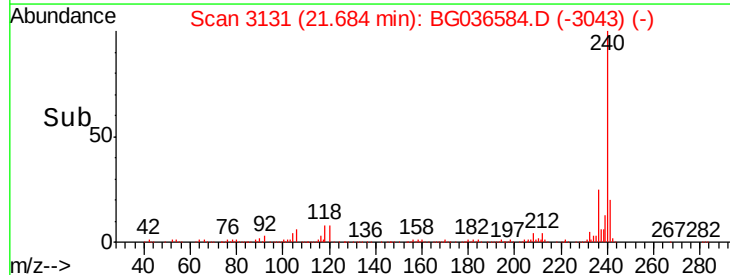
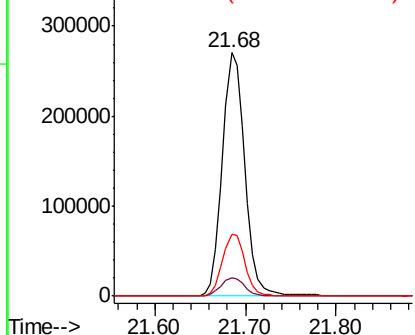


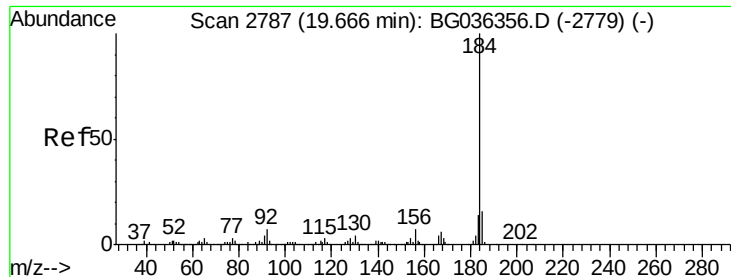
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036584.D
 Acq: 7 Sep 2018 00:42

Tgt Ion:240 Resp: 466512
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.9 10.3
 236 25.3 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: 2.104 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

Instrument :

BNA_G

ClientSampleId :

PB112641BL

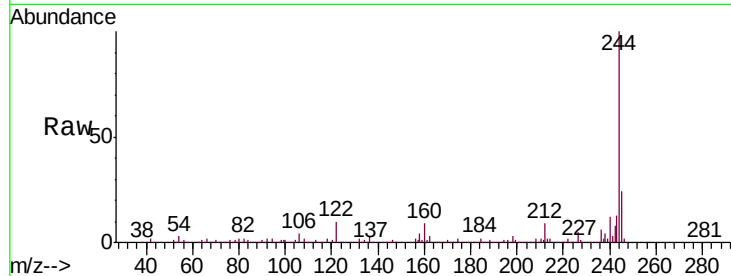
Tgt Ion:184 Resp: 31322

Ion Ratio Lower Upper

184 100

185 18.2 12.6 18.8

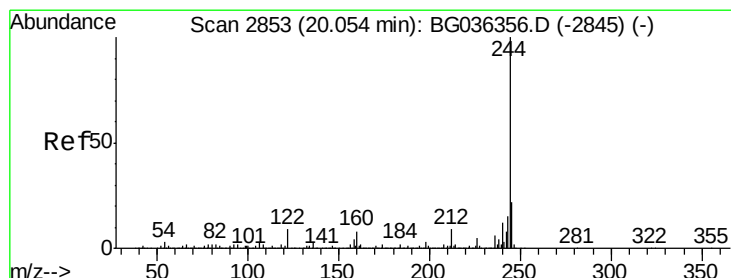
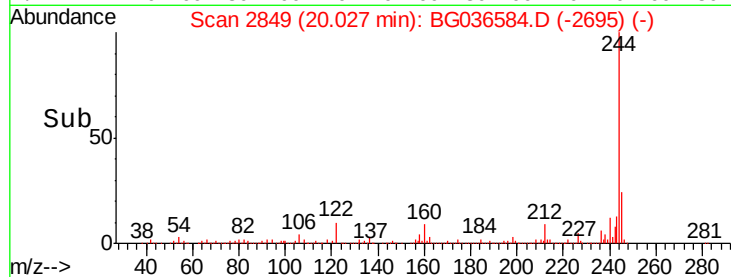
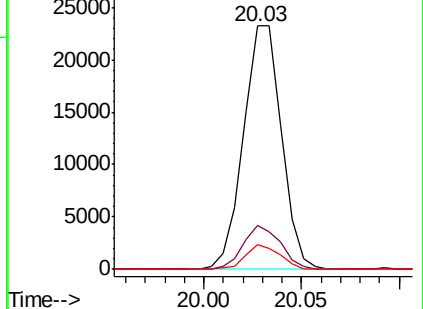
183 10.1 10.9 16.3#



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: 91.299 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036584.D

Acq: 7 Sep 2018 00:42

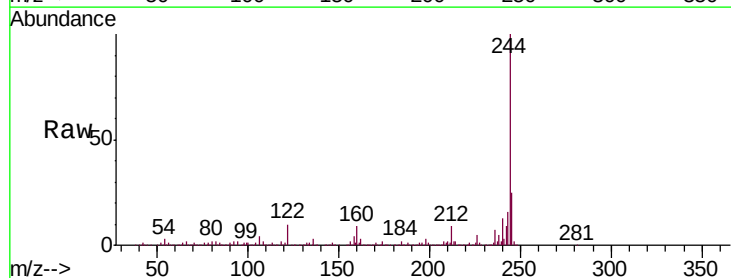
Tgt Ion:244 Resp: 1822244

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.6

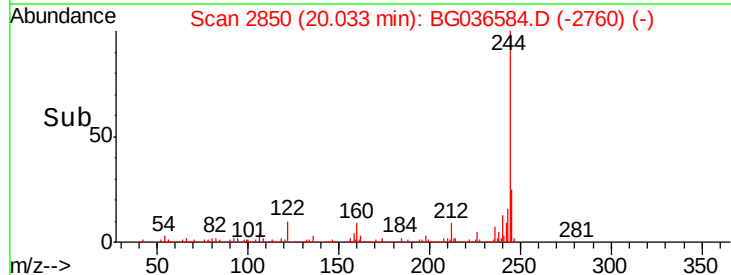
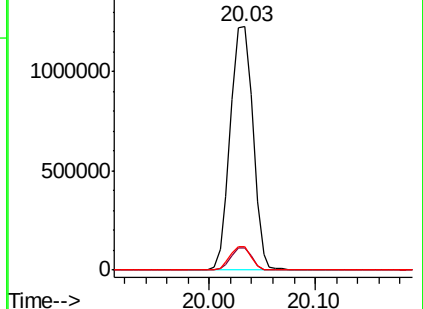
122 9.7 7.1 10.7

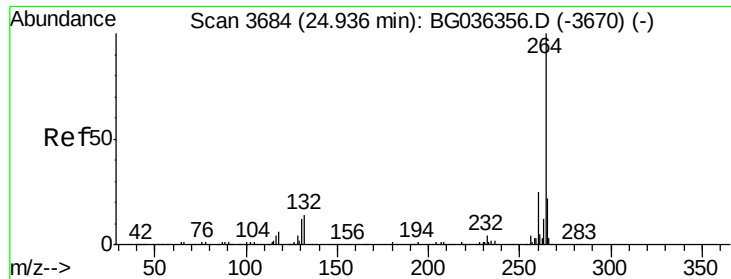


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG036584.D
Acq: 7 Sep 2018 00:42

Instrument :
BNA_G
ClientSampleId :
PB112641BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.6	29.4
265	21.7	17.4	26.0

