

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036085.D
 Acq On : 3 Aug 2018 8:29
 Operator : JU/SJ
 Sample : PB111703TB
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111703TB

Quant Time: Aug 03 09:06:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

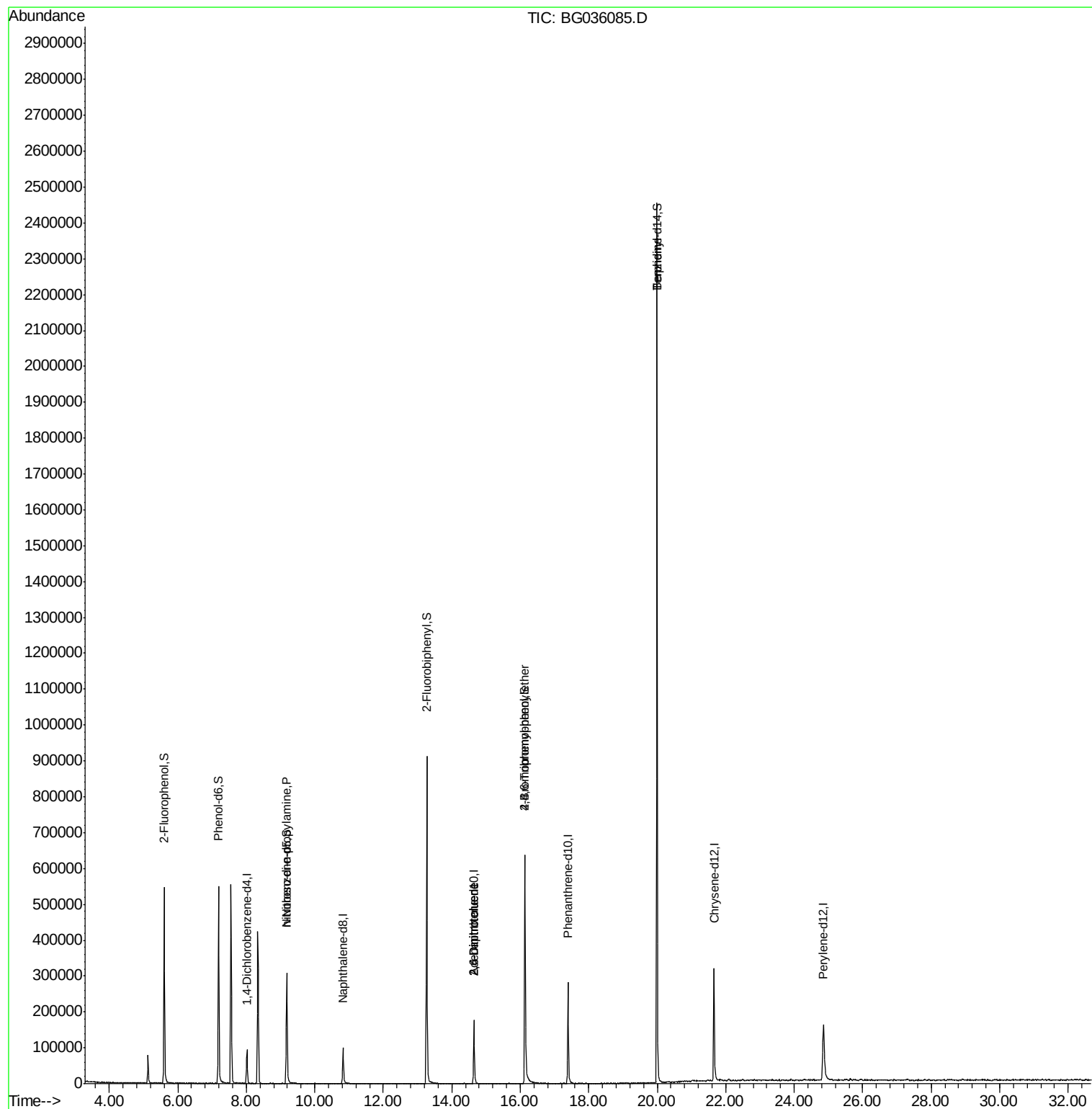
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	26721	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	96500	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	72489	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	215031	20.00	ng	0.00
75) Chrysene-d12	21.65	240	246513	20.00	ng	0.00
86) Perylene-d12	24.85	264	224083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	242328	150.56	ng	0.00
7) Phenol-d6	7.19	99	343091	142.88	ng	0.00
23) Nitrobenzene-d5	9.18	82	228255	98.81	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	153640	160.80	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	551093	101.85	ng	0.00
78) Terphenyl-d14	19.99	244	1209861	108.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	31296	15.477	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	9467	7.320	ng	# 23
56) 2,4-Dinitrotoluene	14.65	165	9467	5.102	ng	# 20
66) 4-Bromophenyl-phenylether	16.13	248	11960	4.794	ng	# 1
76) Benzidine	19.99	184	20775	3.206	ng	# 89

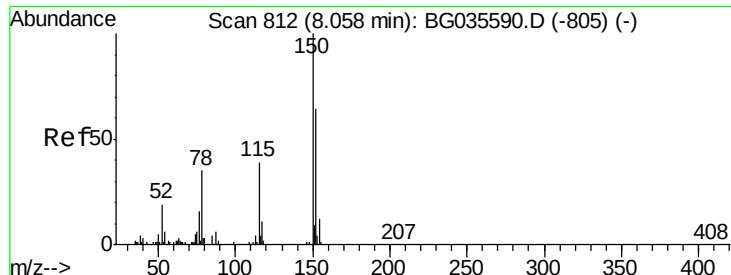
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

Instrument :

BNA_G

ClientSampleId :

PB111703TB

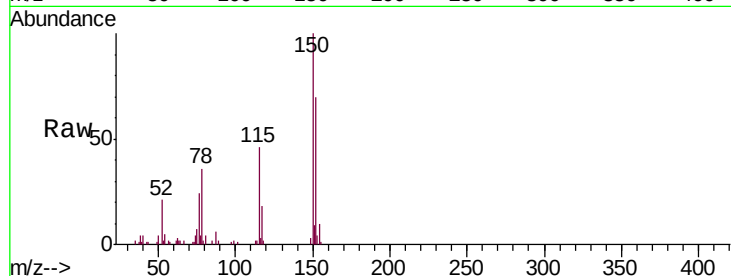
Tgt Ion:152 Resp: 26721

Ion Ratio Lower Upper

152 100

150 142.8 126.6 189.8

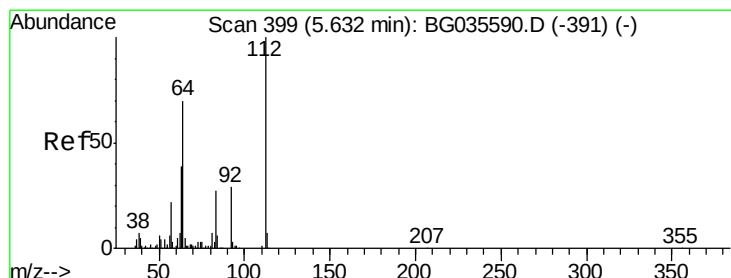
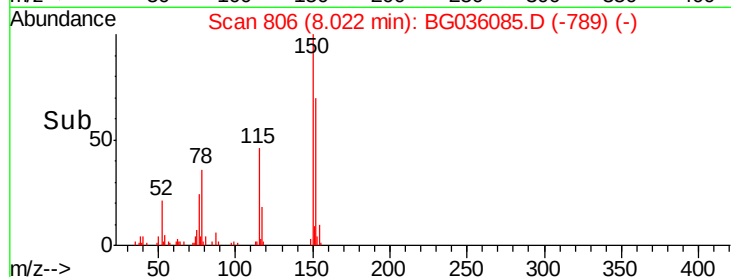
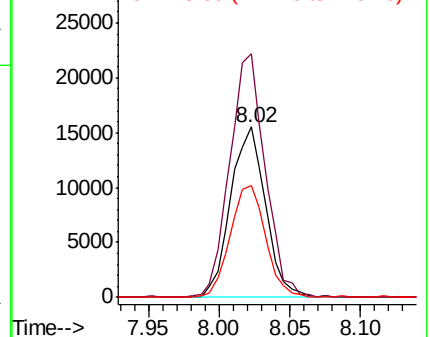
115 65.2 53.0 79.4



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: 150.564 ng

RT: 5.60 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

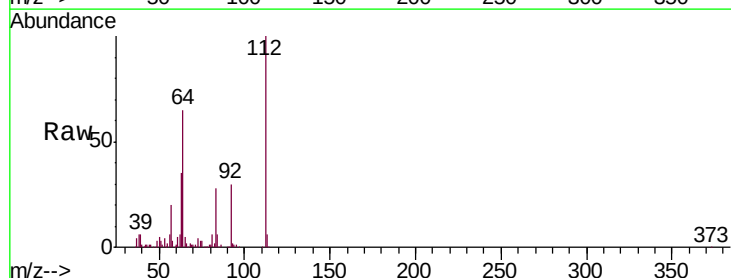
Tgt Ion:112 Resp: 242328

Ion Ratio Lower Upper

112 100

64 64.6 56.3 84.5

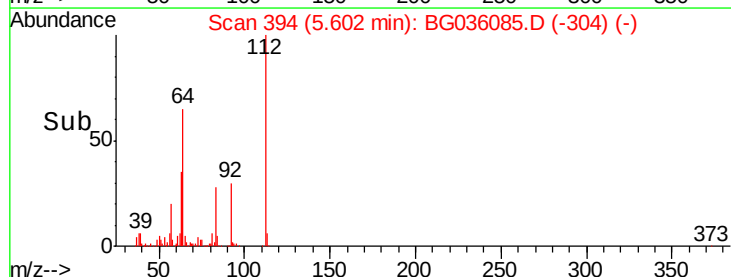
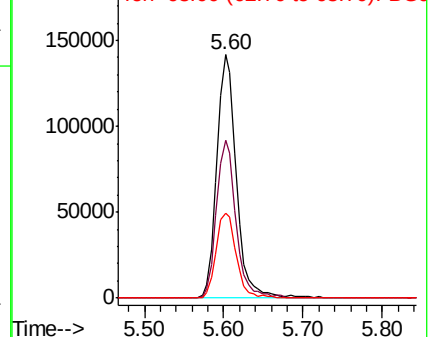
63 34.7 30.1 45.1

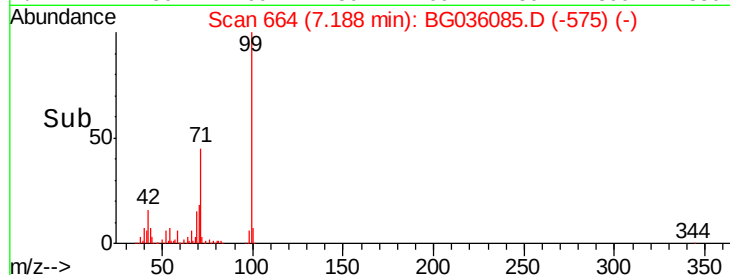
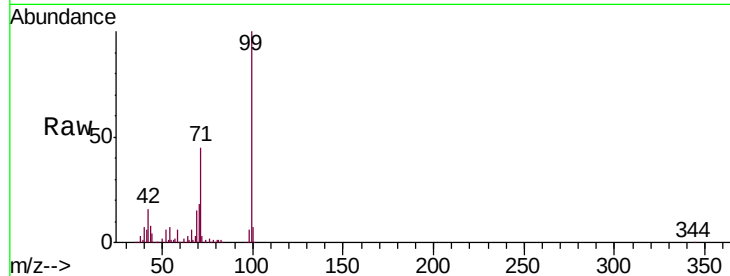
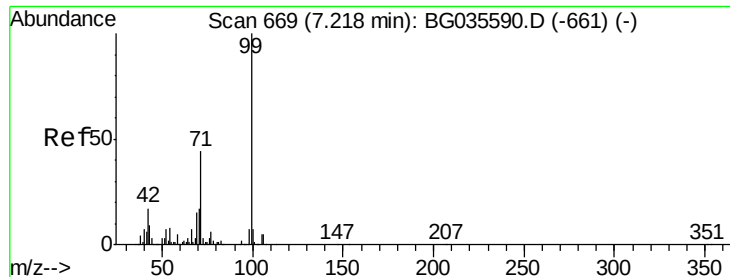


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG

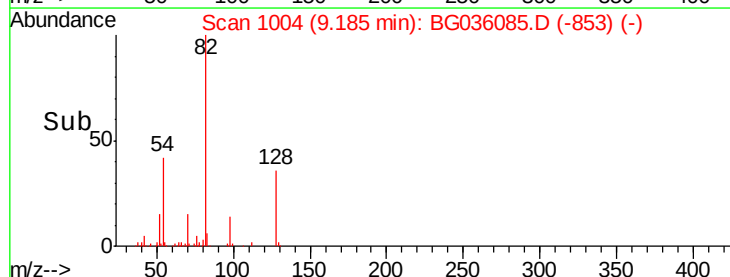
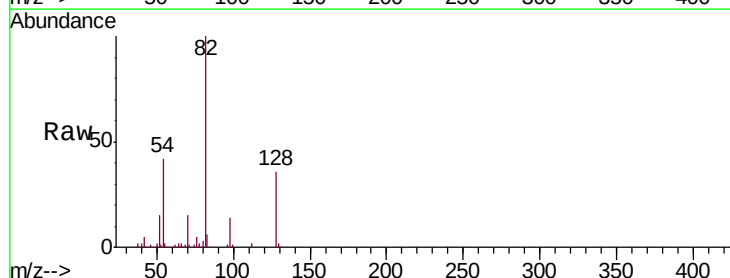
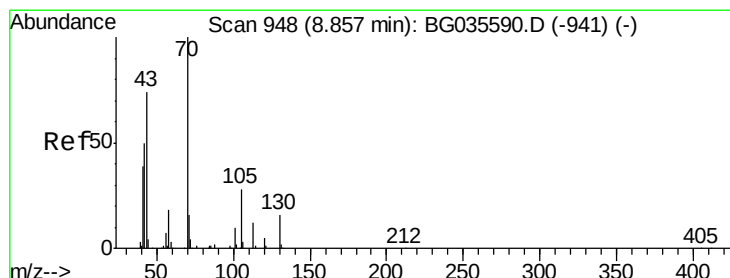
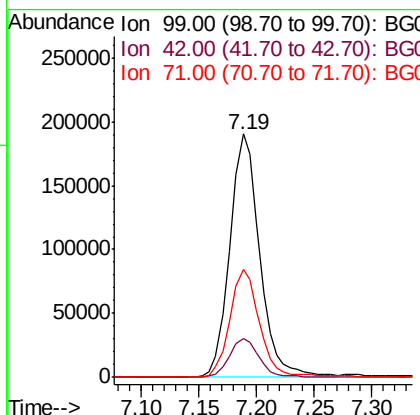




#7
Phenol-d6
Concen: 142.876 ng
RT: 7.19 min Scan# 664
Delta R.T. -0.01 min
Lab File: BG036085.D
Acq: 3 Aug 2018 8:29

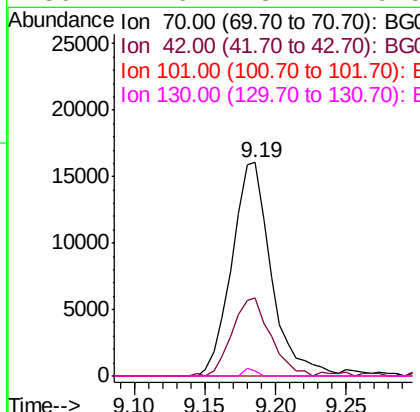
Instrument :
BNA_G
ClientSampleId :
PB111703TB

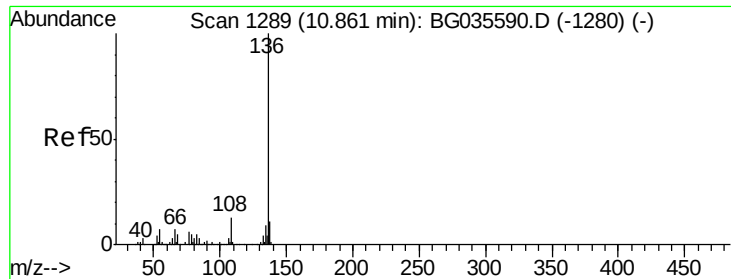
Tgt Ion: 99 Resp: 343091
Ion Ratio Lower Upper
99 100
42 15.7 14.1 21.1
71 44.5 26.1 39.1#



#19
n-Nitroso-di-n-propylamine
Concen: 15.477 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.36 min
Lab File: BG036085.D
Acq: 3 Aug 2018 8:29

Tgt Ion: 70 Resp: 31296
Ion Ratio Lower Upper
70 100
42 36.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#

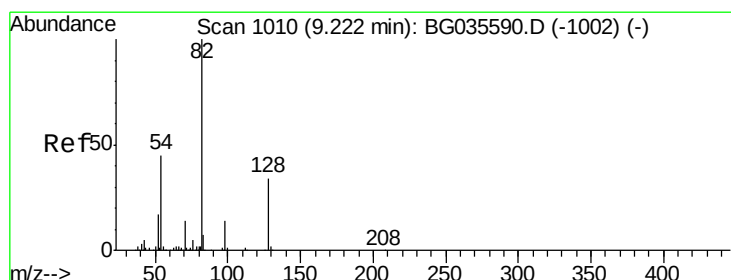
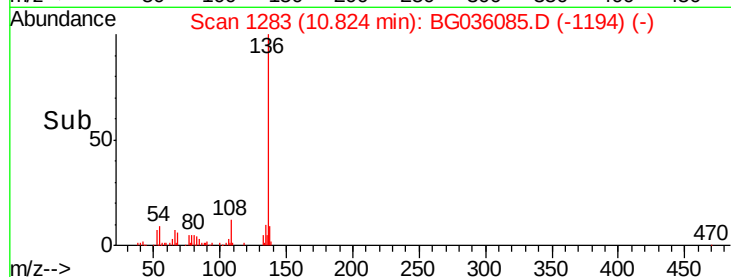
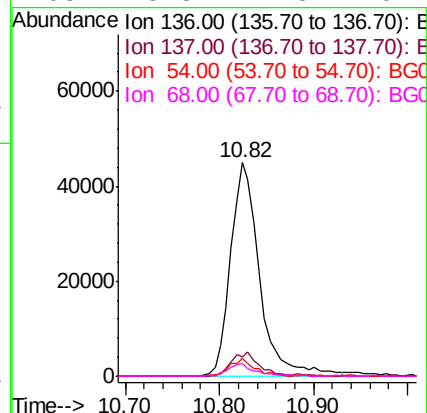
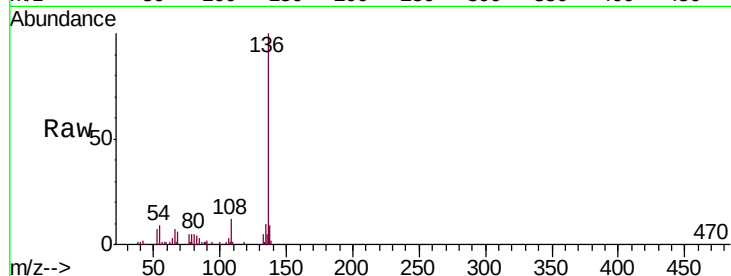




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036085.D
Acq: 3 Aug 2018 8:29

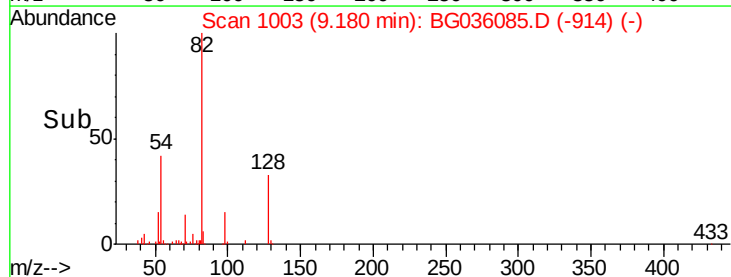
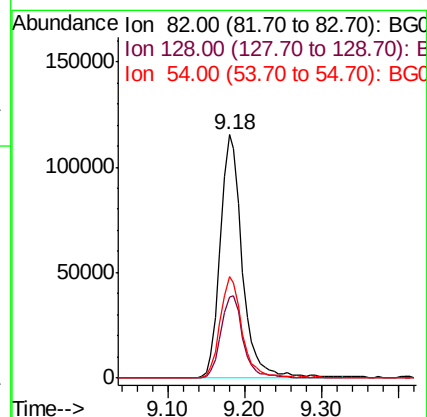
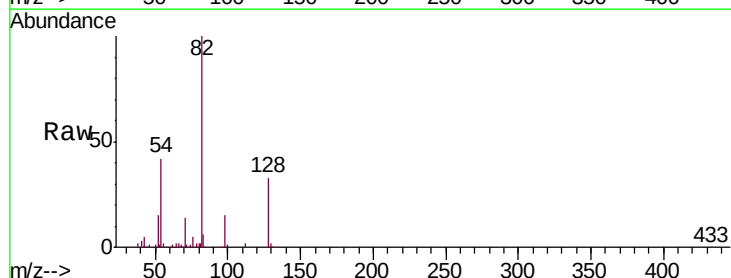
Instrument :
BNA_G
ClientSampleId :
PB111703TB

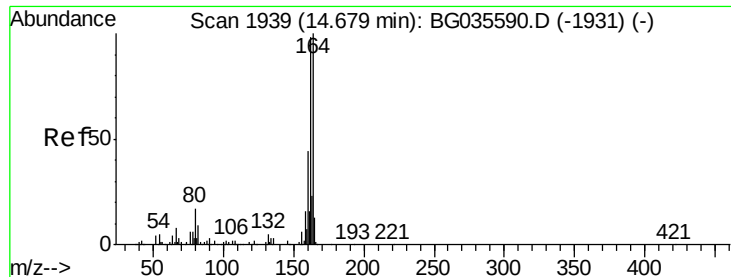
Tgt Ion:	136	Resp:	96500
Ion	Ratio	Lower	Upper
136	100		
137	9.3	9.2	13.8
54	8.7	10.3	15.5#
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 98.811 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036085.D
Acq: 3 Aug 2018 8:29

Tgt Ion:	82	Resp:	228255
Ion	Ratio	Lower	Upper
82	100		
128	33.3	29.7	44.5
54	41.9	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

Instrument :

BNA_G

ClientSampleId :

PB111703TB

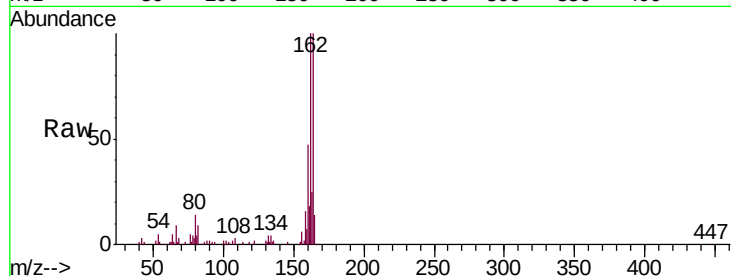
Tgt Ion:164 Resp: 72489

Ion Ratio Lower Upper

164 100

162 100.4 78.8 118.2

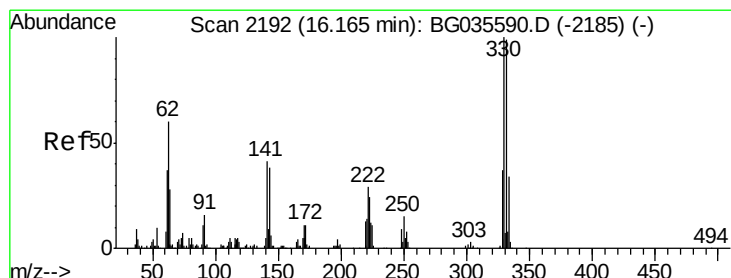
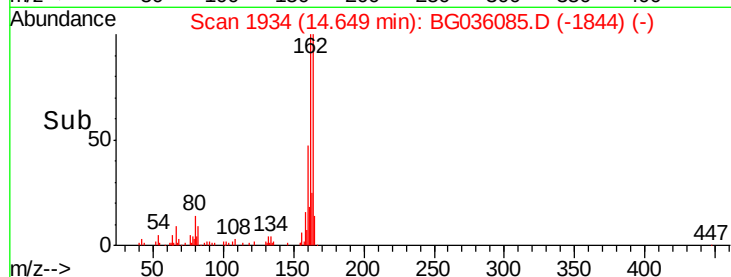
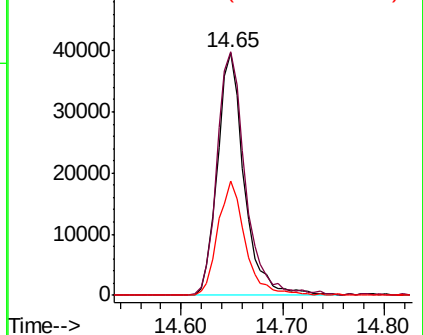
160 47.2 35.4 53.0



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: 160.804 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

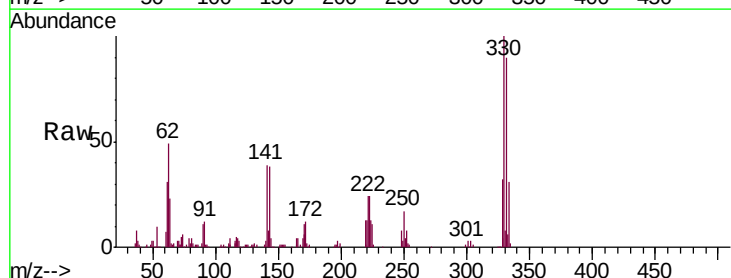
Tgt Ion:330 Resp: 153640

Ion Ratio Lower Upper

330 100

332 91.1 77.0 115.6

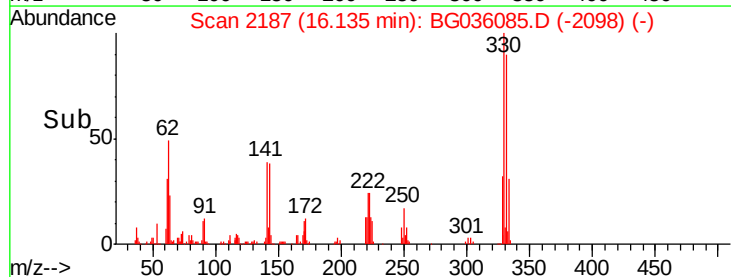
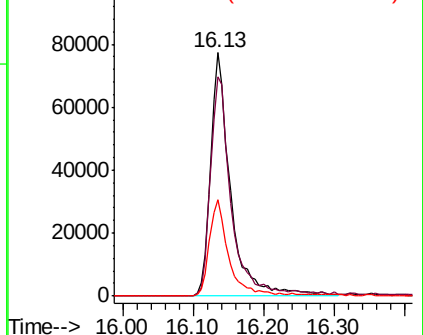
141 37.6 25.2 37.8

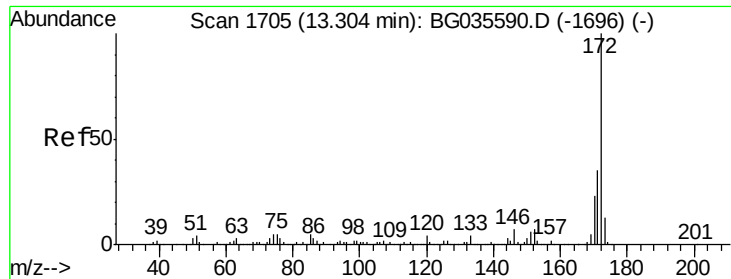


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

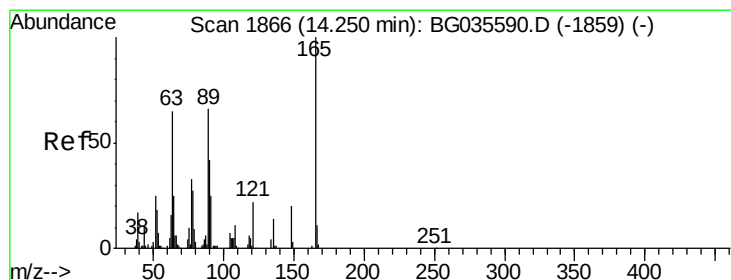
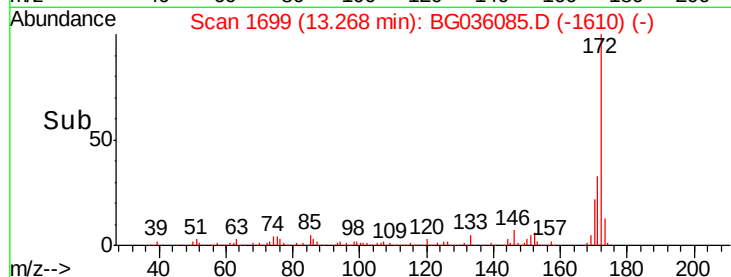
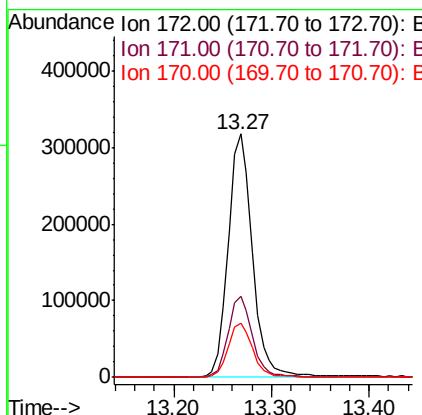
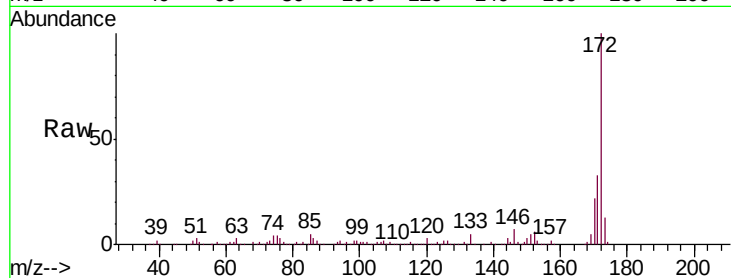




#44
 2-Fluorobiphenyl
 Concen: 101.853 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036085.D
 Acq: 3 Aug 2018 8:29

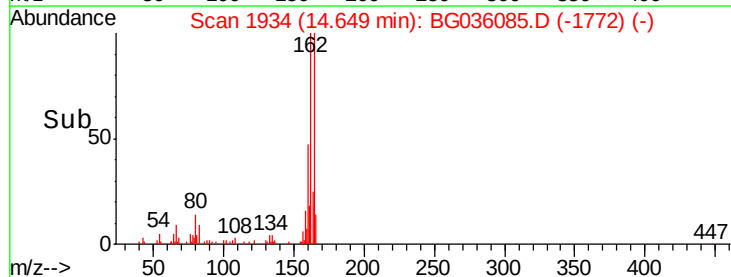
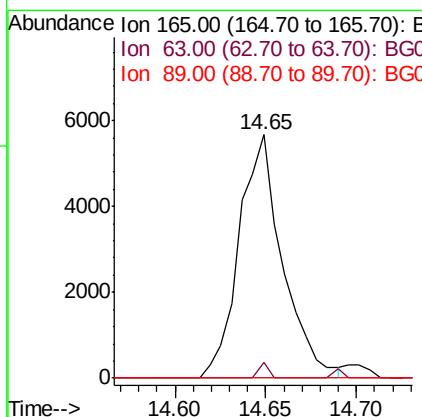
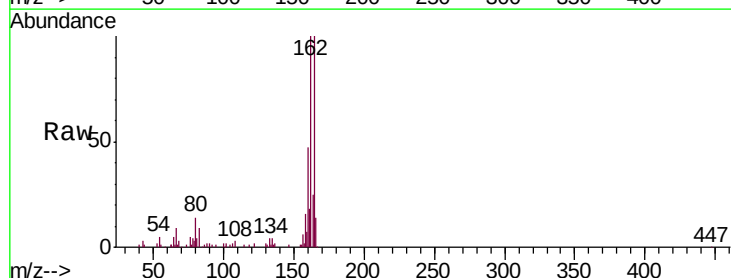
Instrument :
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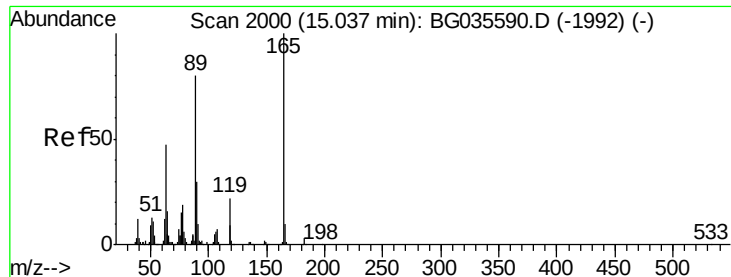
Tgt Ion:172 Resp: 551093
 Ion Ratio Lower Upper
 172 100
 171 33.4 30.0 45.0
 170 22.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.320 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG036085.D
 Acq: 3 Aug 2018 8:29

Tgt Ion:165 Resp: 9467
 Ion Ratio Lower Upper
 165 100
 63 6.6 52.7 79.1#
 89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.102 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

Instrument :

BNA_G

ClientSampleId :

PB111703TB

Tgt Ion:165 Resp: 9467

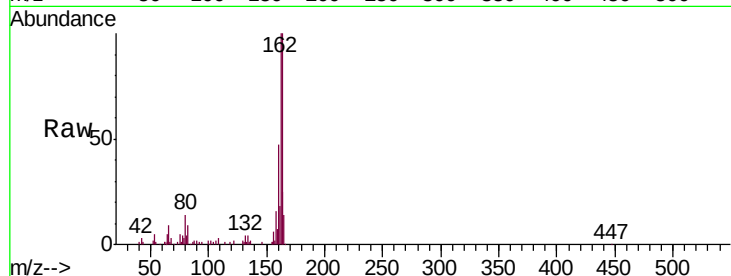
Ion Ratio Lower Upper

165 100

63 6.6 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

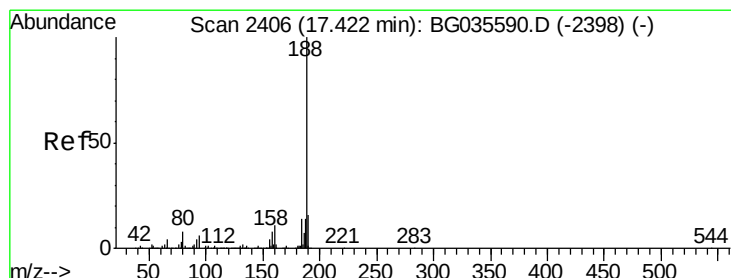
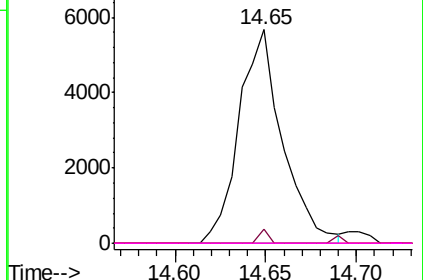
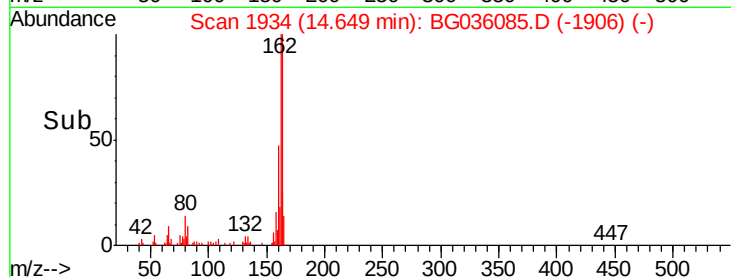


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

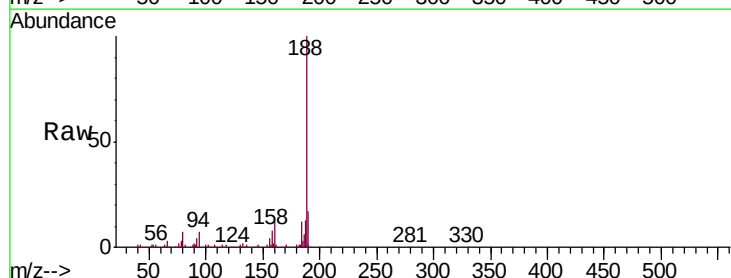
Tgt Ion:188 Resp: 215031

Ion Ratio Lower Upper

188 100

94 7.1 6.9 10.3

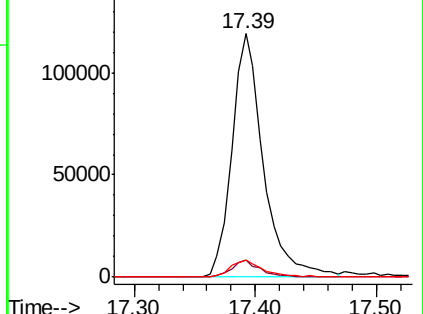
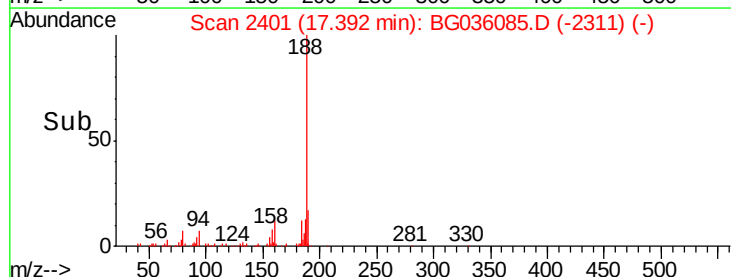
80 6.9 7.7 11.5#

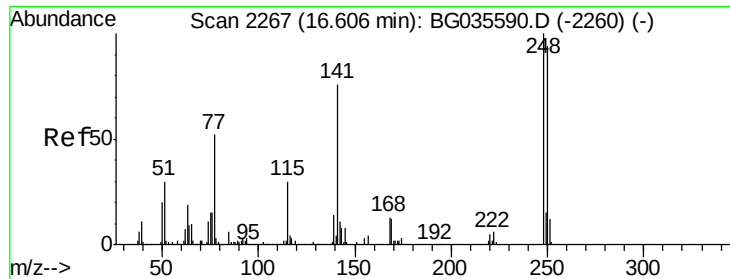


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

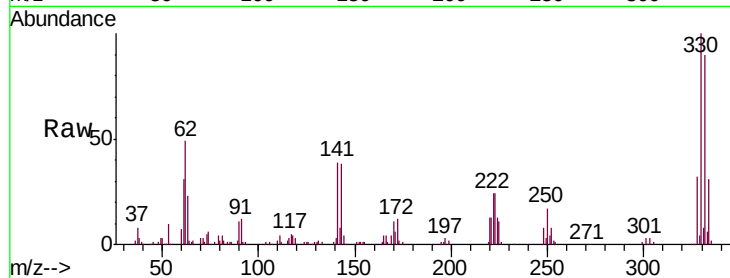




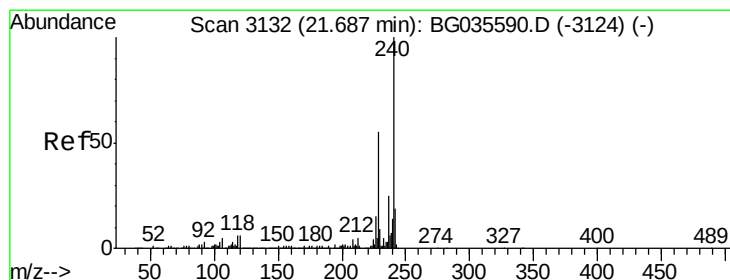
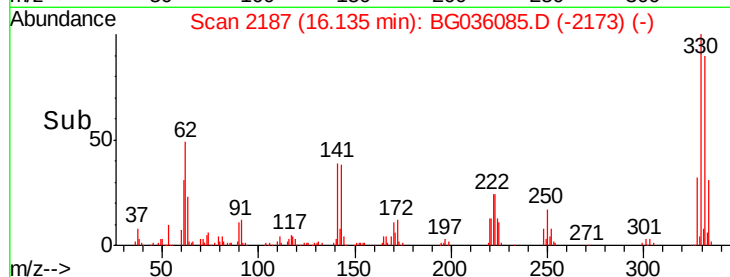
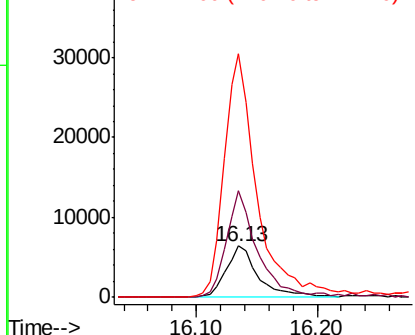
#66
 4-Bromophenyl-phenylether
 Concen: 4.794 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG036085.D
 Acq: 3 Aug 2018 8:29

Instrument :
 BNA_G
 ClientSampleId :
 PB111703TB

Tgt Ion:248 Resp: 11960
 Ion Ratio Lower Upper
 248 100
 250 207.0 77.1 115.7#
 141 473.2 50.8 76.2#

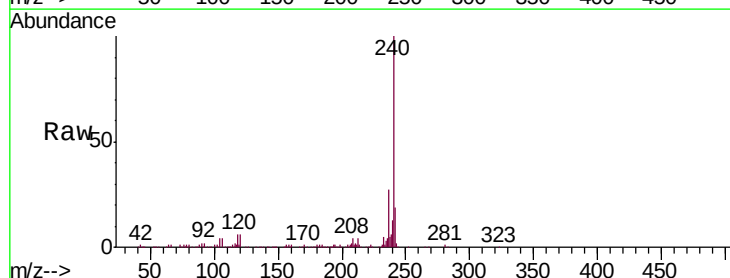


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

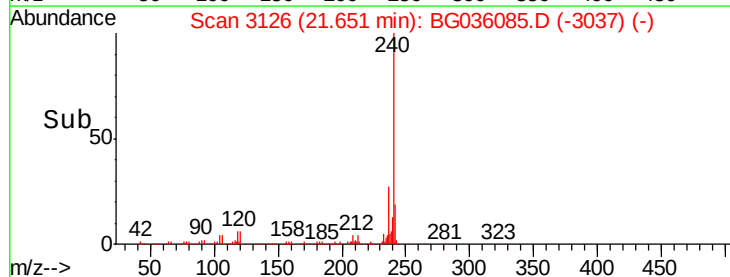
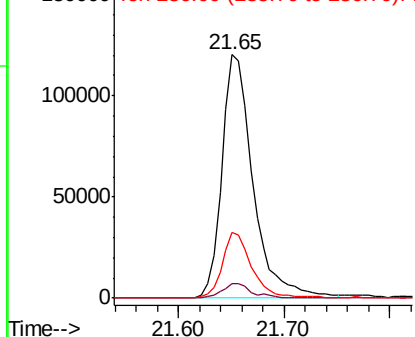


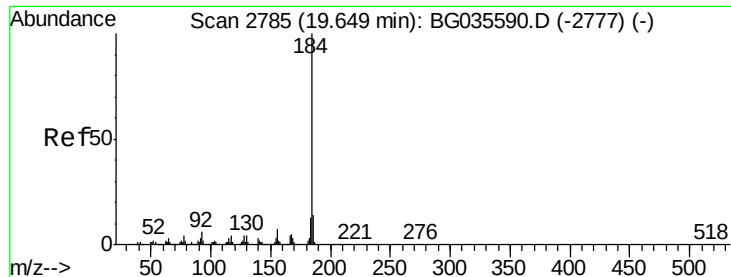
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BG036085.D
 Acq: 3 Aug 2018 8:29

Tgt Ion:240 Resp: 246513
 Ion Ratio Lower Upper
 240 100
 120 5.7 6.8 10.2#
 236 26.9 20.9 31.3



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: 3.206 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

Instrument :

BNA_G

ClientSampleId :

PB111703TB

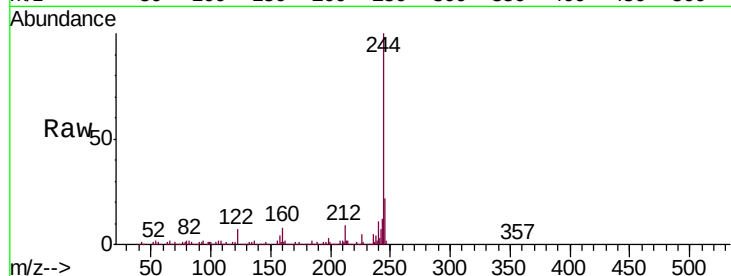
Tgt Ion:184 Resp: 20775

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

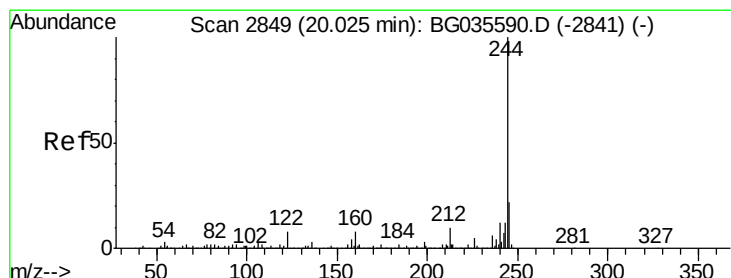
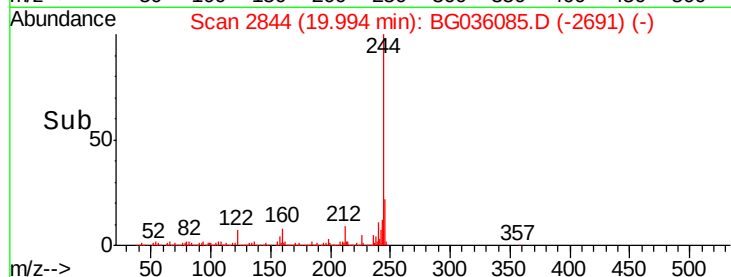
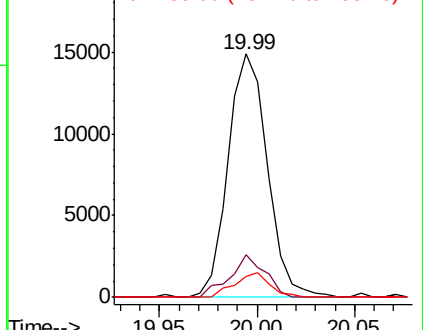
183 8.5 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

20000 Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 108.185 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036085.D

Acq: 3 Aug 2018 8:29

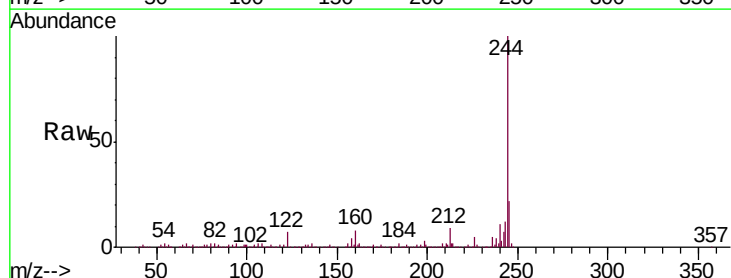
Tgt Ion:244 Resp: 1209861

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

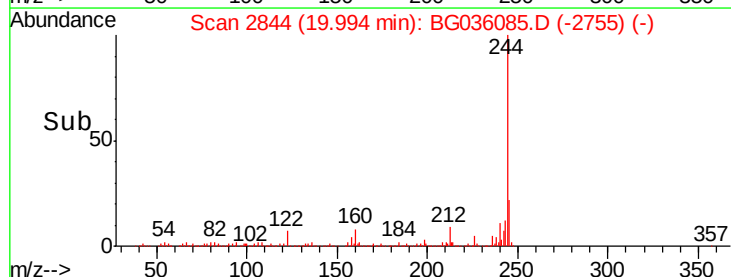
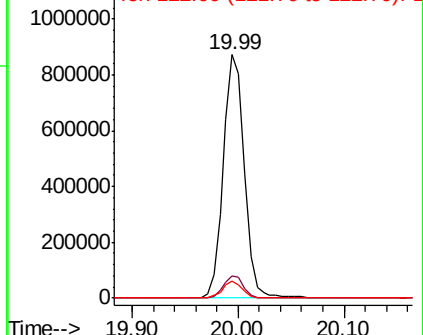
122 7.1 7.0 10.4

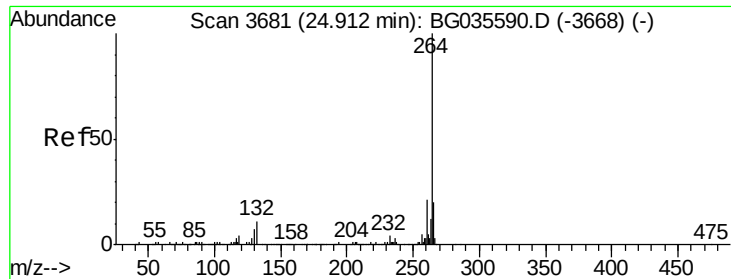


Abundance Ion 244.00 (243.70 to 244.70): E

1200000 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: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG036085.D
Acq: 3 Aug 2018 8:29

Instrument :
BNA_G
ClientSampleId :
PB111703TB

Tgt Ion: 264 Resp: 224083

Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.3	17.7	26.5

