

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035800.D
 Acq On : 21 Jul 2018 1:16
 Operator : JU/SJ
 Sample : PB111227BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111227BL

Quant Time: Jul 21 04:02:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

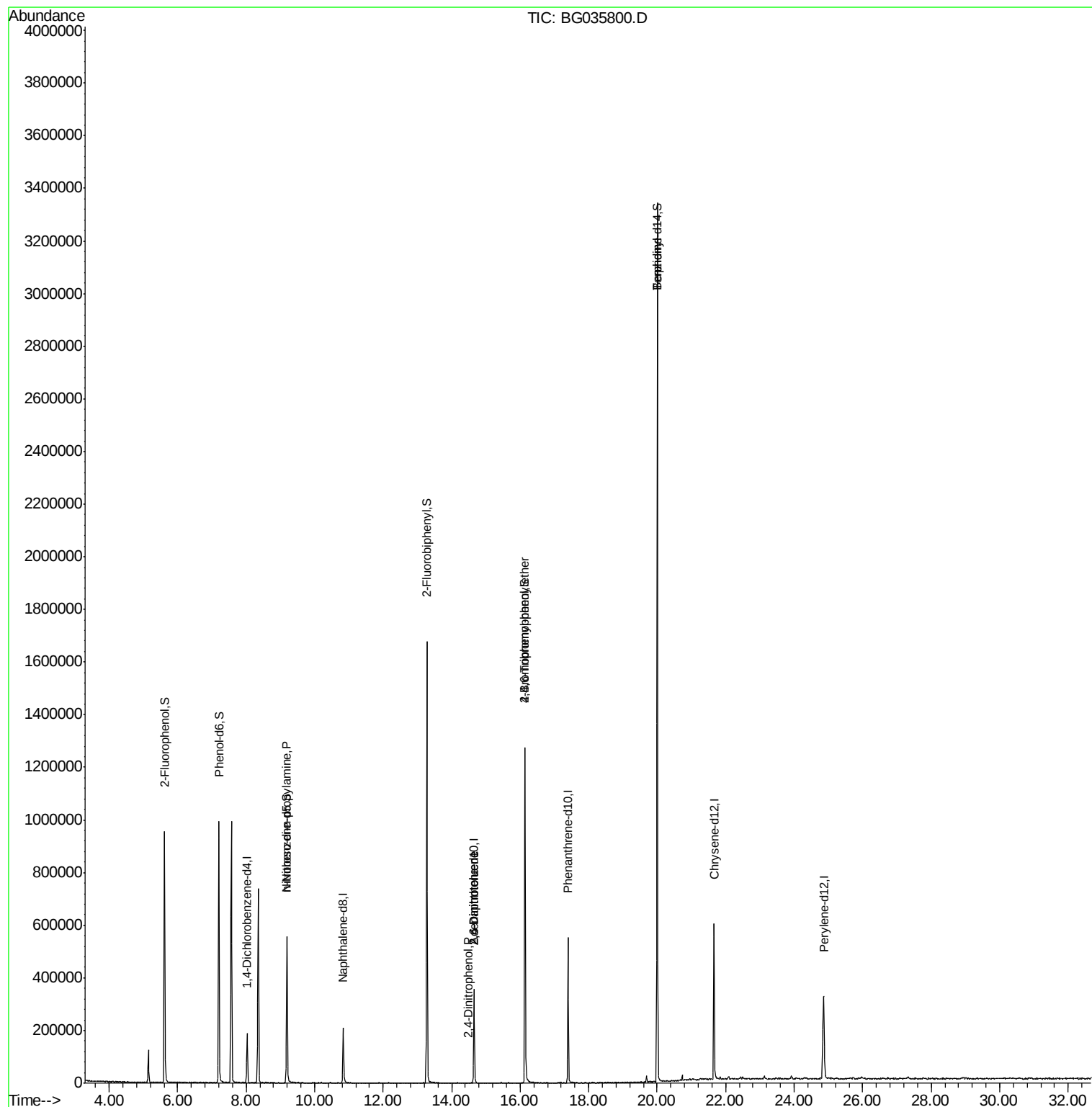
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	54943	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	196770	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	132111	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	358448	20.00	ng	0.00
75) Chrysene-d12	21.66	240	397458	20.00	ng	0.00
86) Perylene-d12	24.86	264	369611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	436284	131.83	ng	0.00
7) Phenol-d6	7.20	99	618133	125.19	ng	0.00
23) Nitrobenzene-d5	9.19	82	394151	83.68	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	260489	149.59	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	901675	91.44	ng	0.00
78) Terphenyl-d14	20.00	244	1647203	91.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	53792	12.938	ng	# 67
50) 2,6-Dinitrotoluene	14.65	165	18252	7.743	ng	# 21
53) 2,4-Dinitrophenol	14.47	184	62	6.629	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	18252	5.398	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	20360	4.896	ng	# 1
76) Benzidine	20.00	184	28573	2.734	ng	# 92

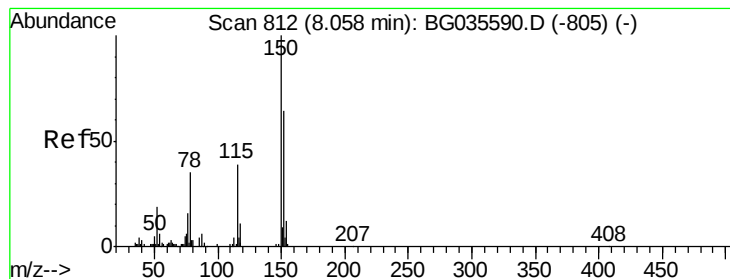
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

PB111227BL

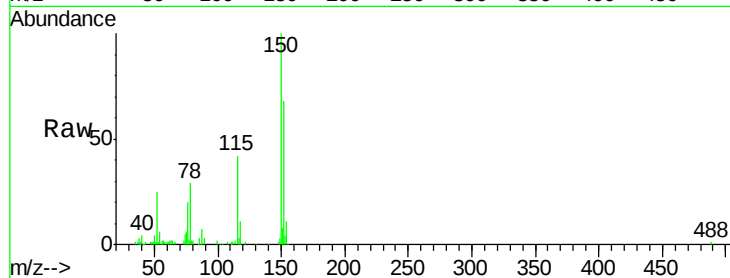
Tgt Ion:152 Resp: 54943

Ion Ratio Lower Upper

152 100

150 147.7 126.6 189.8

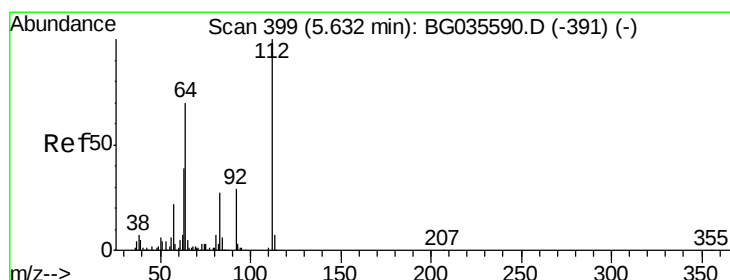
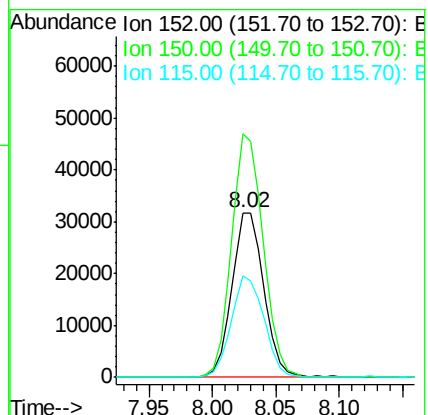
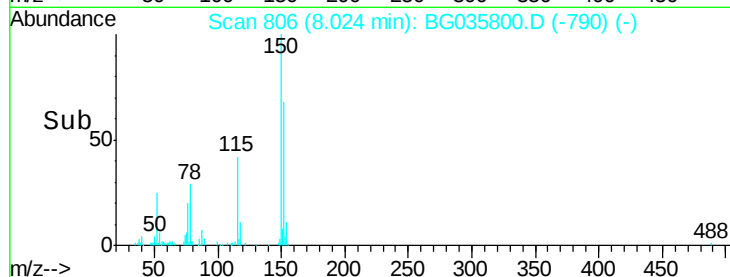
115 61.5 53.0 79.4



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: 131.834 ng

RT: 5.62 min Scan# 396

Delta R.T. 0.00 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

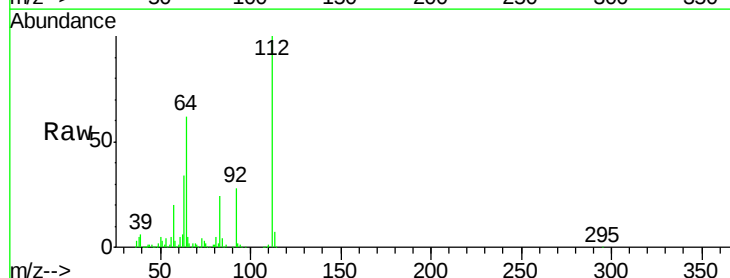
Tgt Ion:112 Resp: 436284

Ion Ratio Lower Upper

112 100

64 62.1 56.3 84.5

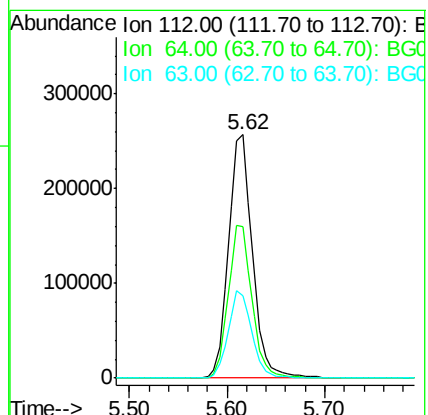
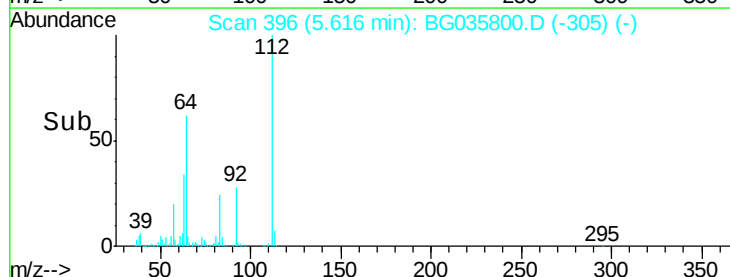
63 34.0 30.1 45.1

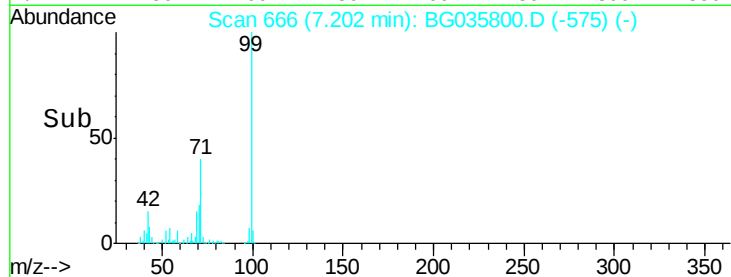
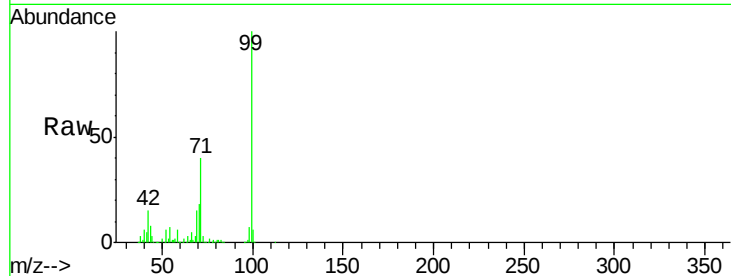


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.191 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

PB111227BL

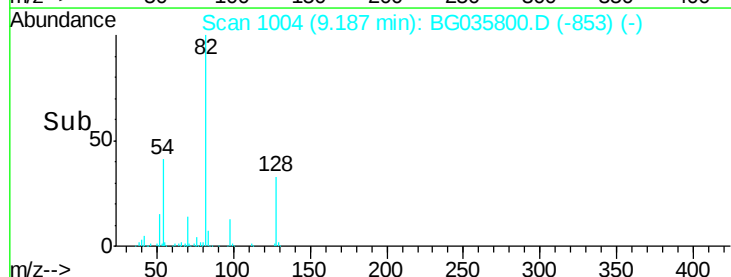
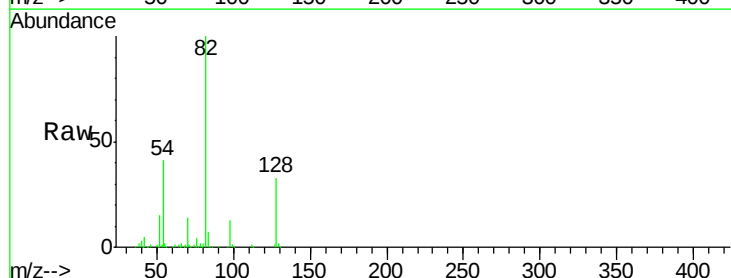
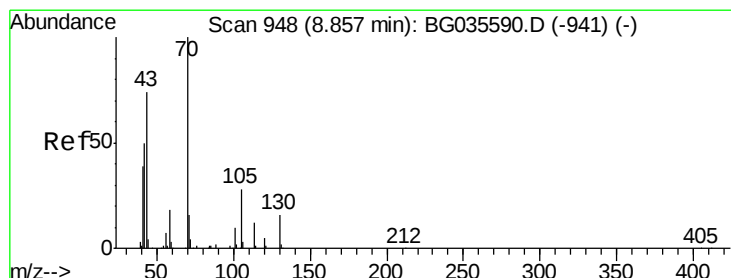
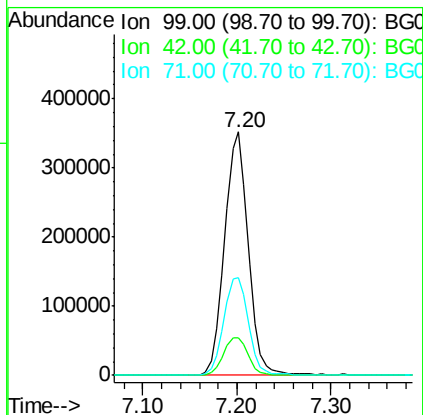
Tgt Ion: 99 Resp: 618133

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 40.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.938 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.35 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

Tgt Ion: 70 Resp: 53792

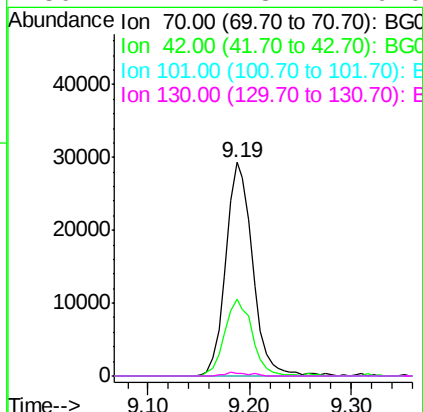
Ion Ratio Lower Upper

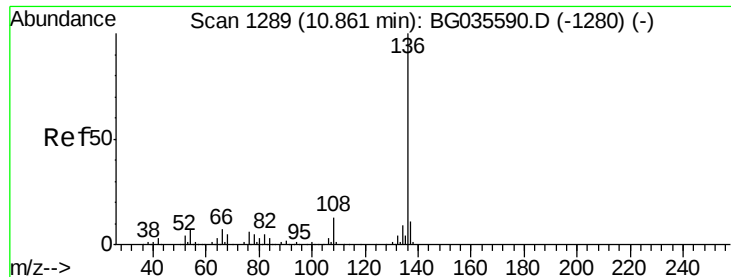
70 100

42 36.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

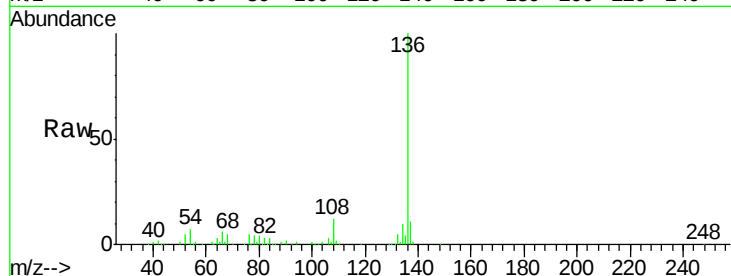




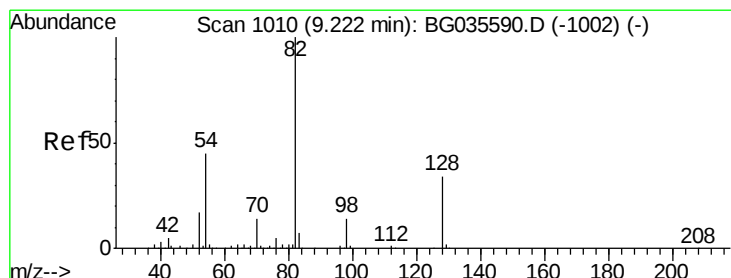
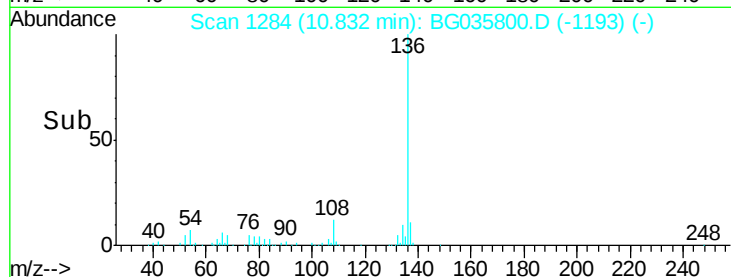
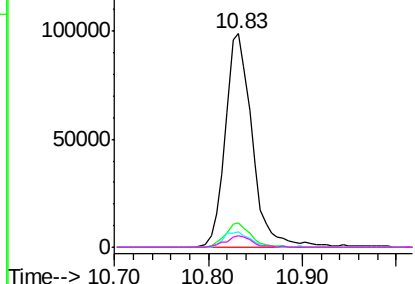
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035800.D
Acq: 21 Jul 2018 1:16

Instrument :
BNA_G
ClientSampleId :
PB111227BL

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.0	10.3	15.5#
68	5.3	4.5	6.7

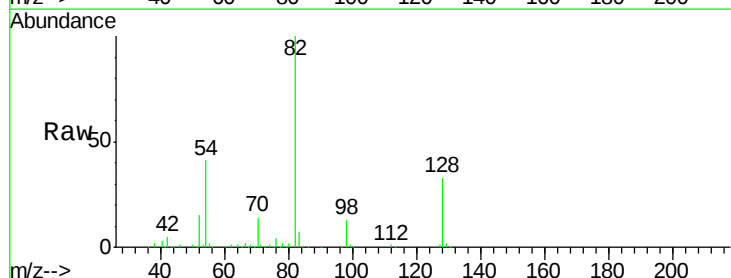


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

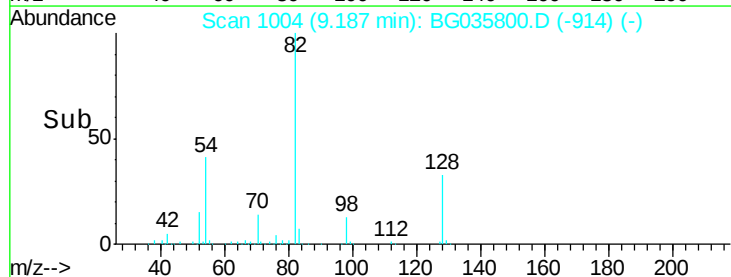
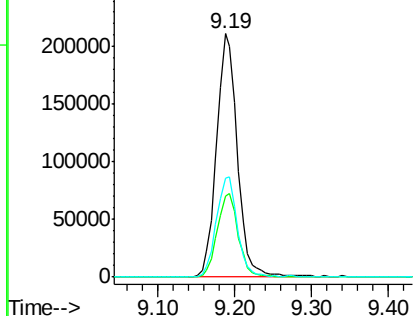


#23
Nitrobenzene-d5
Concen: 83.679 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035800.D
Acq: 21 Jul 2018 1:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	29.7	44.5
54	40.8	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

PB111227BL

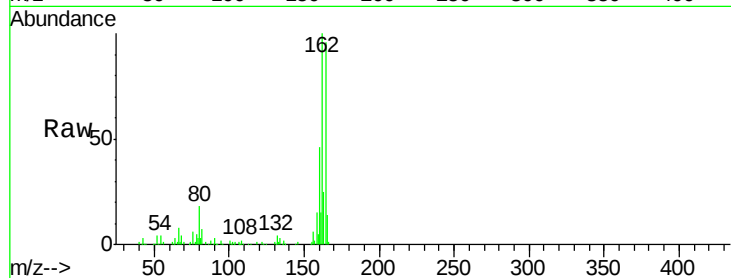
Tgt Ion:164 Resp: 132111

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

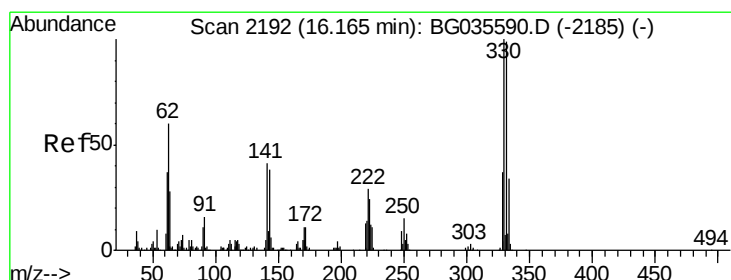
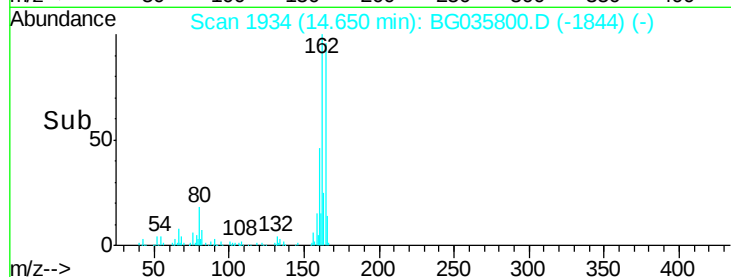
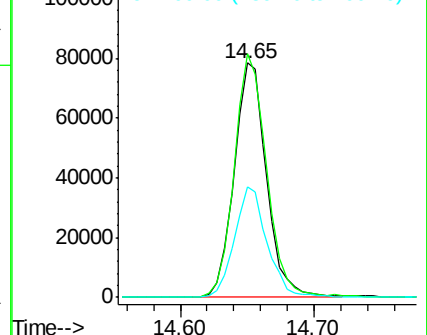
160 47.4 35.4 53.0



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: 149.594 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

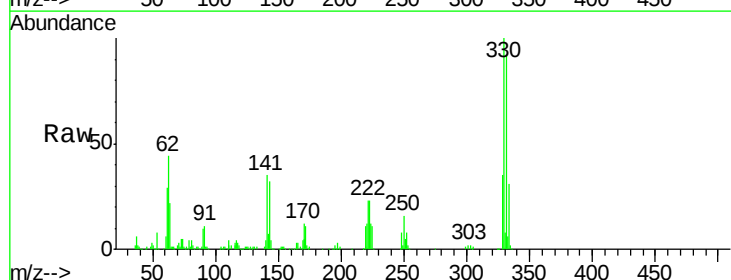
Tgt Ion:330 Resp: 260489

Ion Ratio Lower Upper

330 100

332 92.4 77.0 115.6

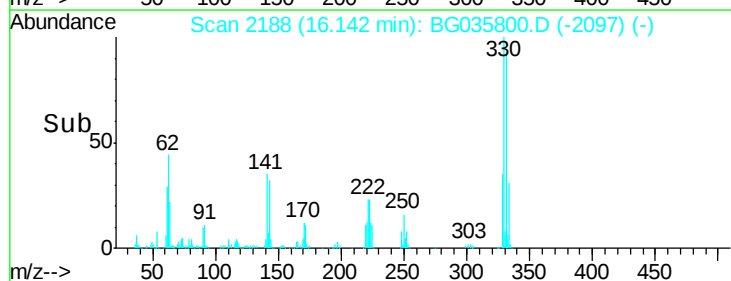
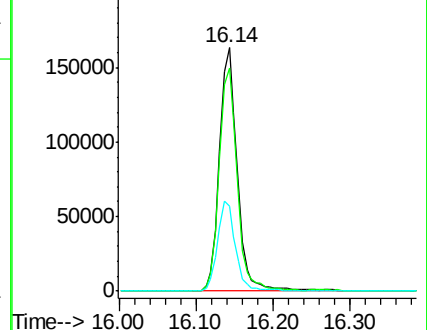
141 36.9 25.2 37.8

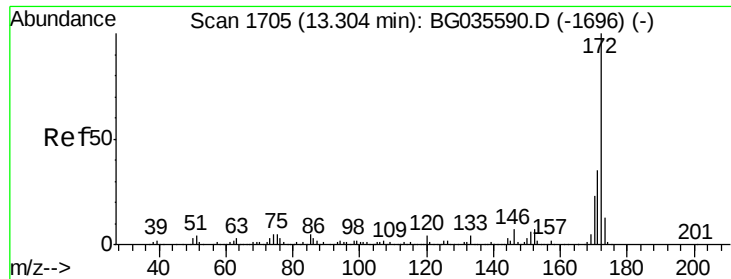


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

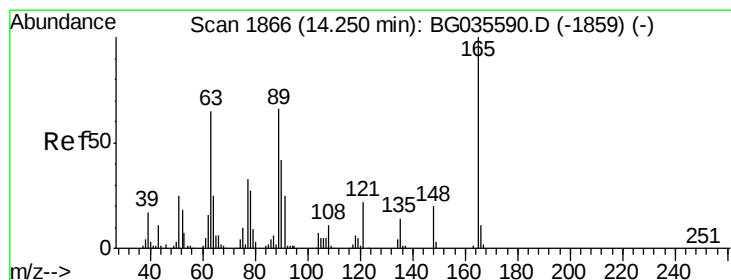
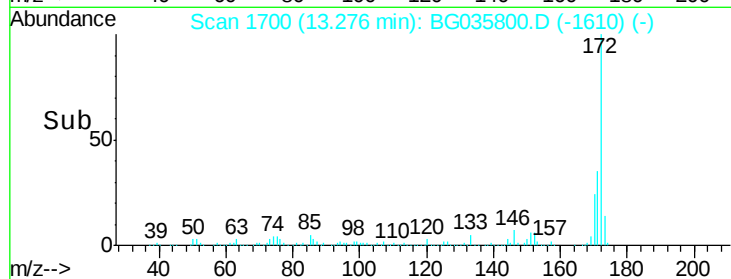
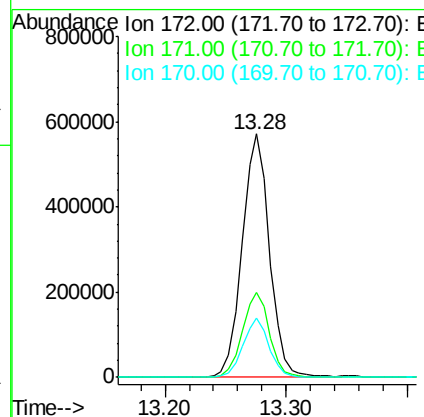
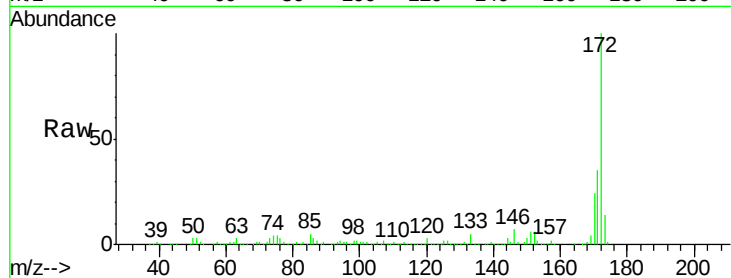




#44
 2-Fluorobiphenyl
 Concen: 91.439 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

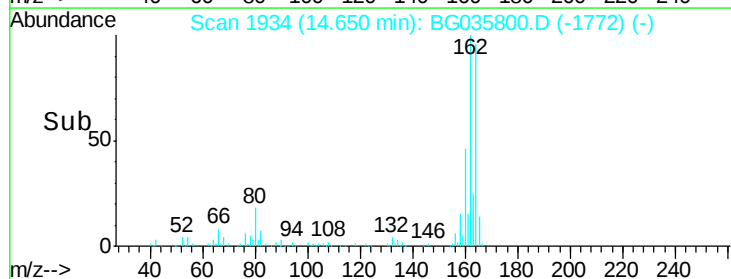
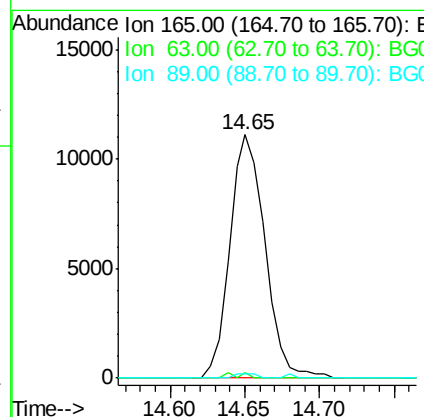
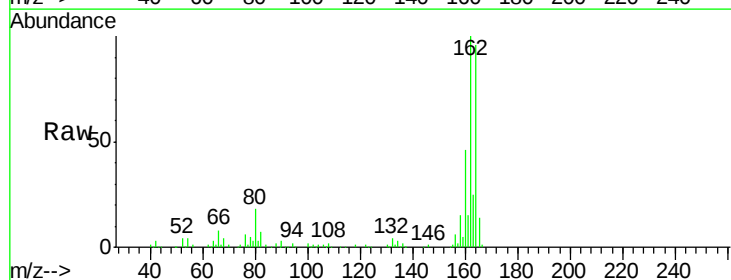
Instrument :
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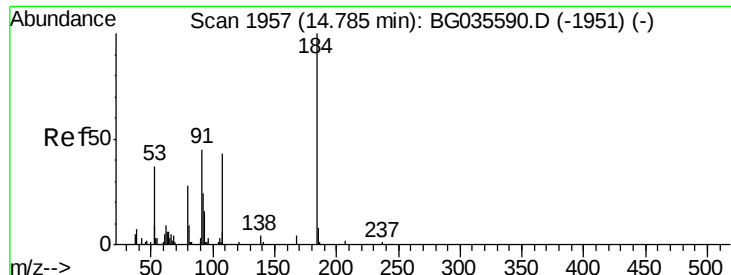
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.0	45.0
170	24.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.743 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	1.6	49.2	73.8#

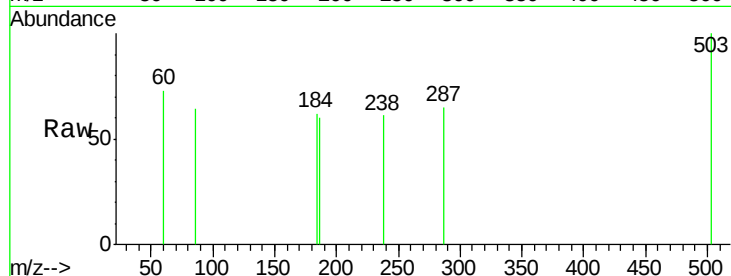




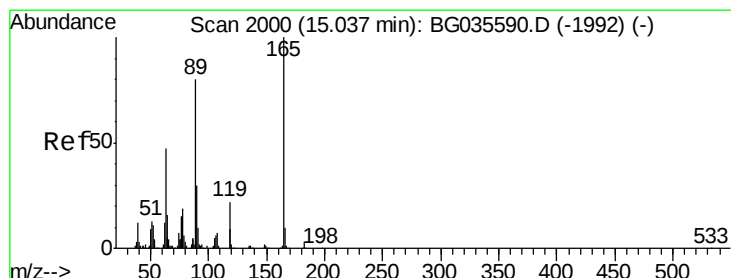
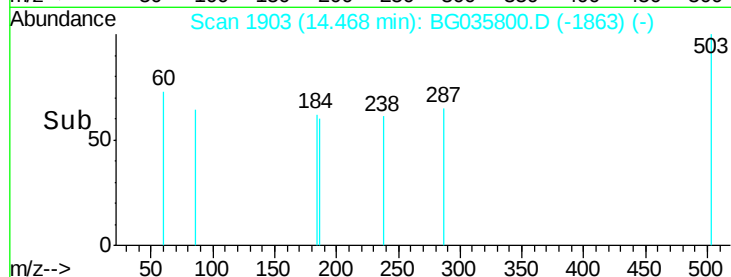
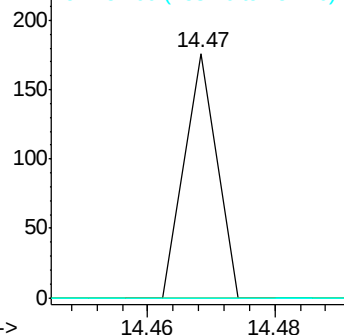
#53
2,4-Dinitrophenol
Concen: 6.629 ng
RT: 14.47 min Scan# 1903
Delta R.T. -0.30 min
Lab File: BG035800.D
Acq: 21 Jul 2018 1:16

Instrument :
BNA_G
ClientSampleId :
PB111227BL

Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

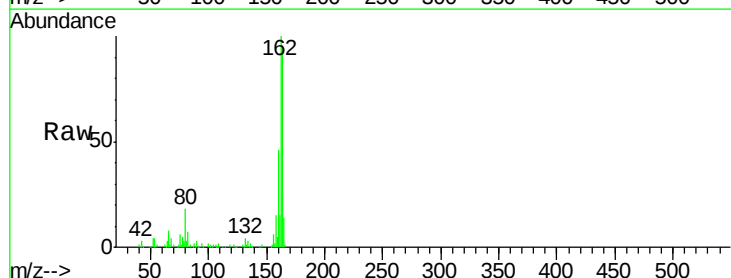


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

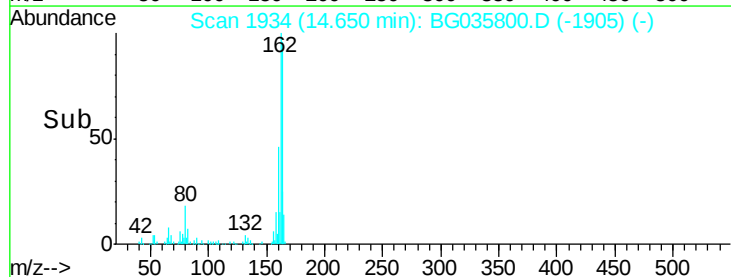
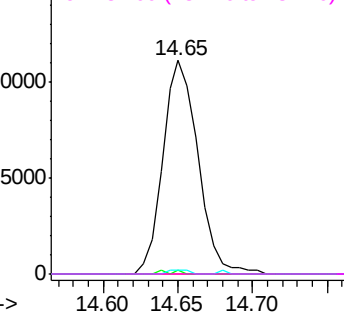


#56
2,4-Dinitrotoluene
Concen: 5.398 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.36 min
Lab File: BG035800.D
Acq: 21 Jul 2018 1:16

Tgt Ion:165 Resp: 18252
Ion Ratio Lower Upper
165 100
63 2.1 42.0 63.0#
89 1.6 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: BG035800.D

Acq: 21 Jul 2018 1:16

Instrument :

BNA_G

ClientSampleId :

PB111227BL

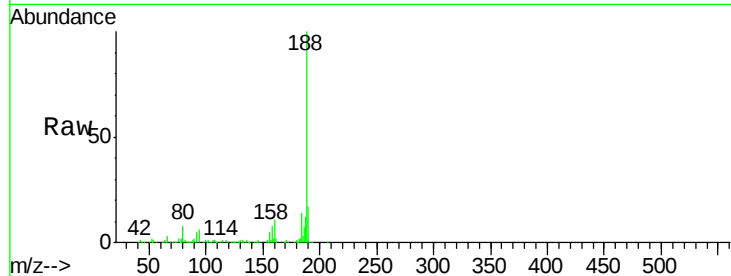
Tgt Ion:188 Resp: 358448

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

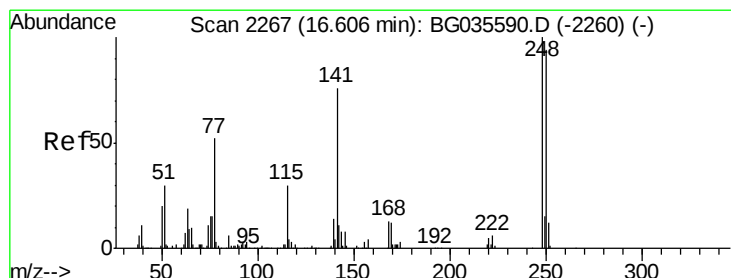
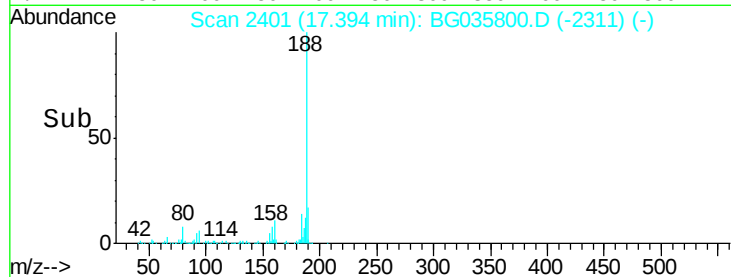
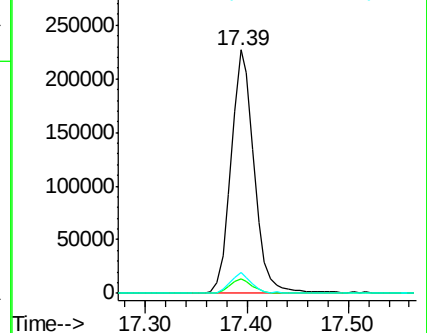
80 8.5 7.7 11.5



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: 4.896 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035800.D

Acq: 21 Jul 2018 1:16

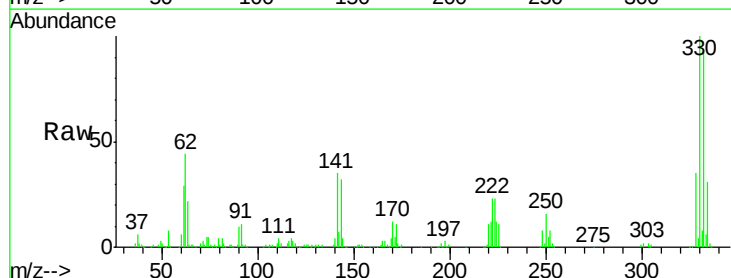
Tgt Ion:248 Resp: 20360

Ion Ratio Lower Upper

248 100

250 199.1 77.1 115.7#

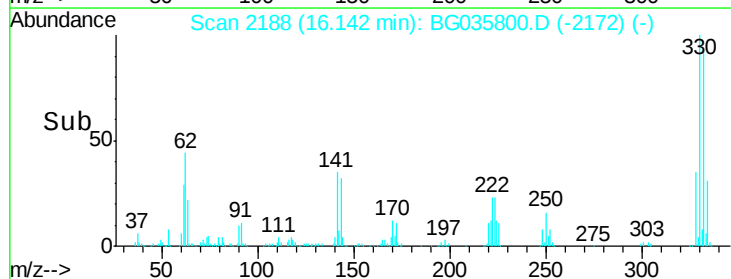
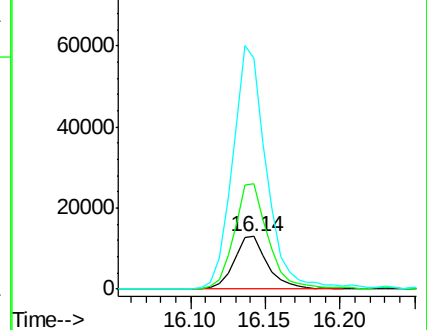
141 438.4 50.8 76.2#

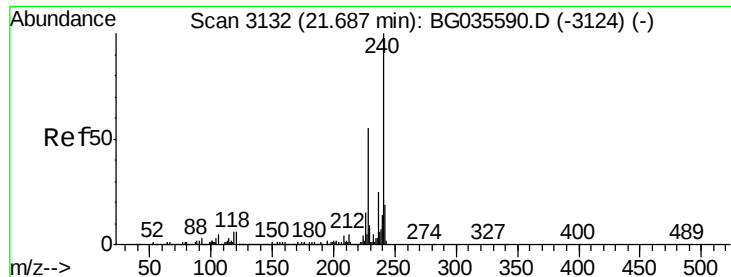


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

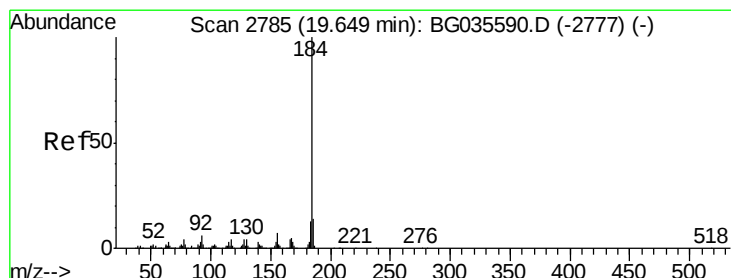
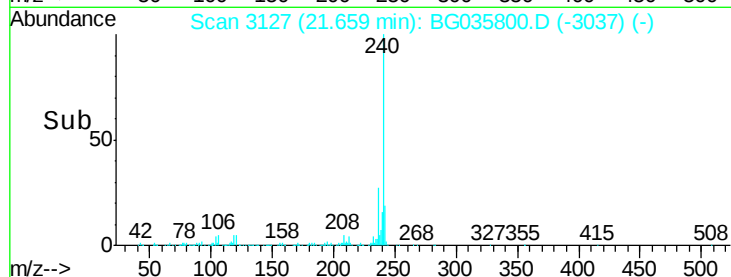
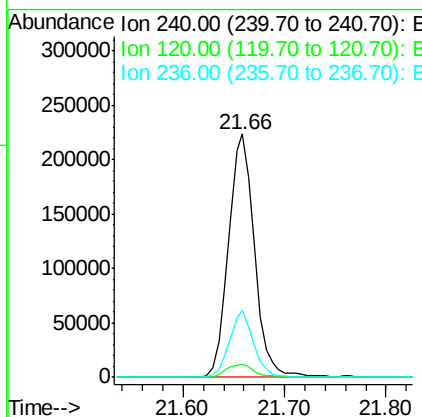
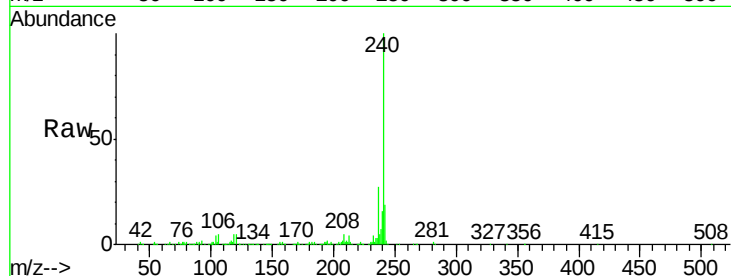




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

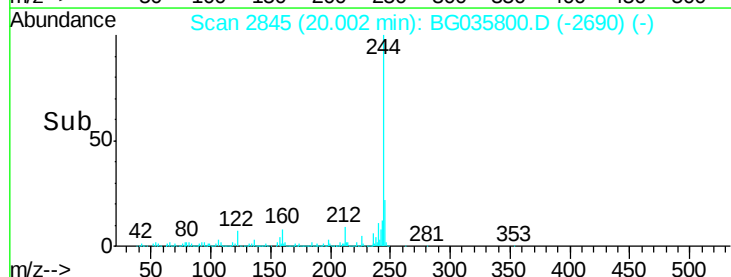
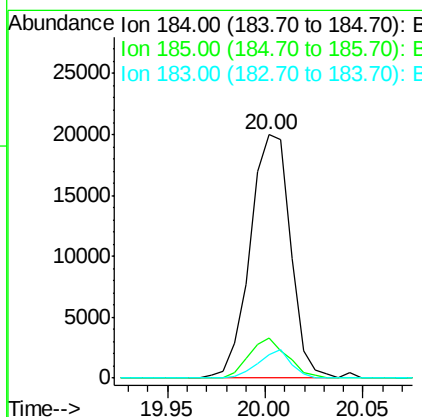
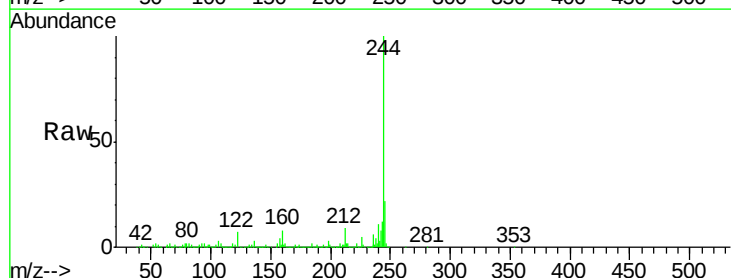
Instrument :
 BNA_G
 ClientSampleId :
 PB111227BL

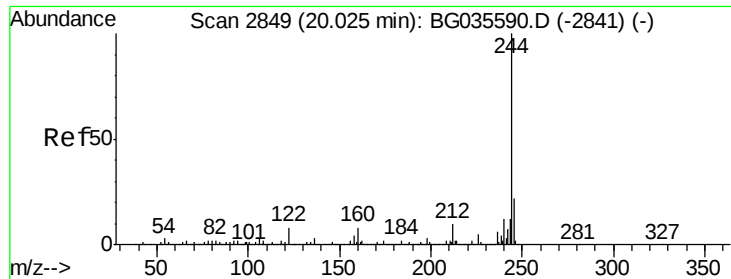
Tgt Ion:240 Resp: 397458
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 27.4 20.9 31.3



#76
 Benzidine
 Concen: 2.734 ng
 RT: 20.00 min Scan# 2845
 Delta R.T. 0.38 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

Tgt Ion:184 Resp: 28573
 Ion Ratio Lower Upper
 184 100
 185 16.7 11.1 16.7#
 183 9.6 10.6 16.0#

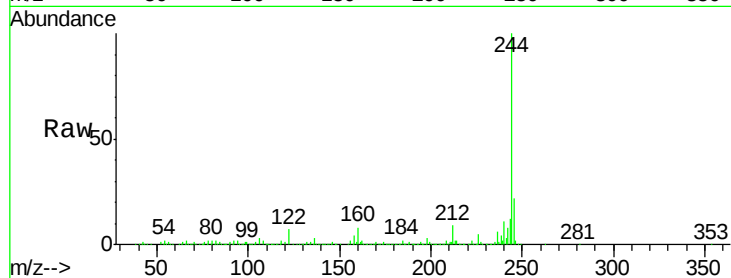




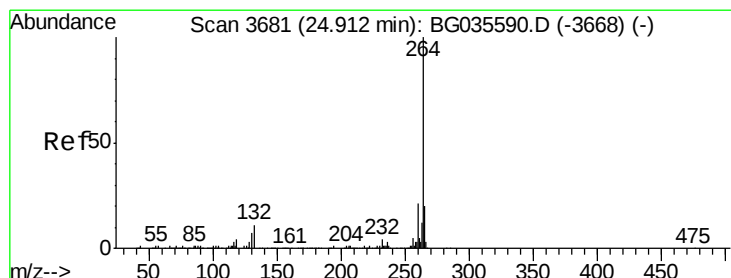
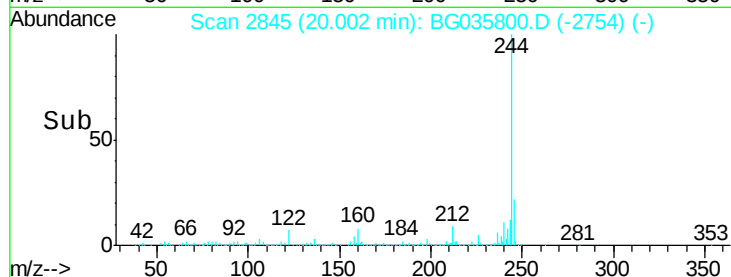
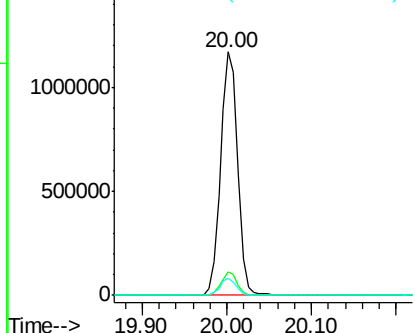
#78
 Terphenyl-d14
 Concen: 91.354 ng
 RT: 20.00 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

Instrument :
 BNA_G
 ClientSampleId :
 PB111227BL

Tgt Ion:244 Resp: 1647203
 Ion Ratio Lower Upper
 244 100
 212 9.4 5.8 8.8#
 122 7.2 7.0 10.4

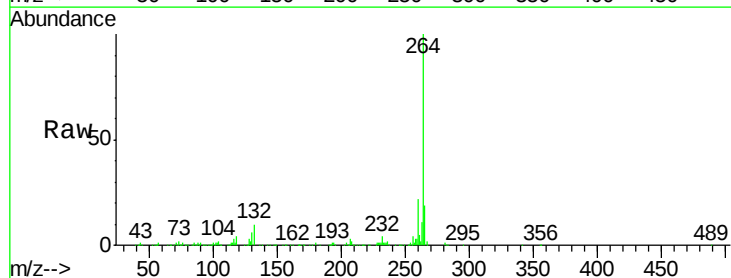


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: BG035800.D
 Acq: 21 Jul 2018 1:16

Tgt Ion:264 Resp: 369611
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.4 26.0
 265 19.1 17.7 26.5



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

