

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036221.D
 Acq On : 9 Aug 2018 7:12
 Operator : JU/SJ
 Sample : J4350-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 080218-TIPC-E-U-M

Quant Time: Aug 09 08:57:25 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

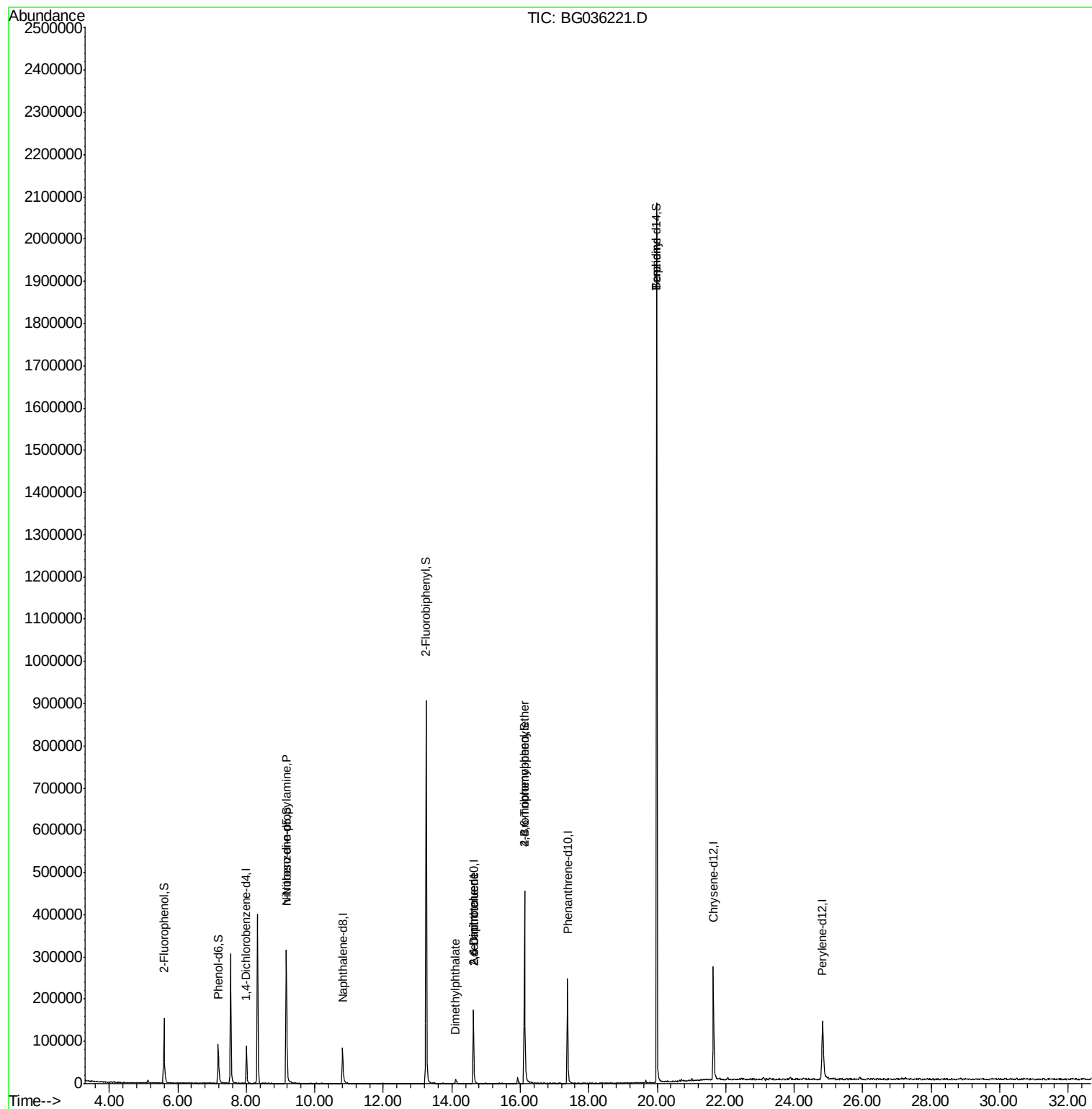
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27069	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	95727	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	67852	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	189713	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	207485	20.00	ng	-0.02
86) Perylene-d12	24.82	264	189893	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	80791	49.55	ng	0.00
7) Phenol-d6	7.18	99	70065	28.80	ng	-0.02
23) Nitrobenzene-d5	9.17	82	240690	105.04	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	103970	116.25	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	540691	106.76	ng	-0.02
78) Terphenyl-d14	19.98	244	1024040	108.79	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	32723	15.975	ng	# 66
49) Dimethylphthalate	14.11	163	12826	2.158	ng	# 90
50) 2,6-Dinitrotoluene	14.64	165	9112	7.527	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	9112	5.247	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	8249	3.748	ng	# 1
76) Benzidine	19.98	184	17214	3.156	ng	# 91

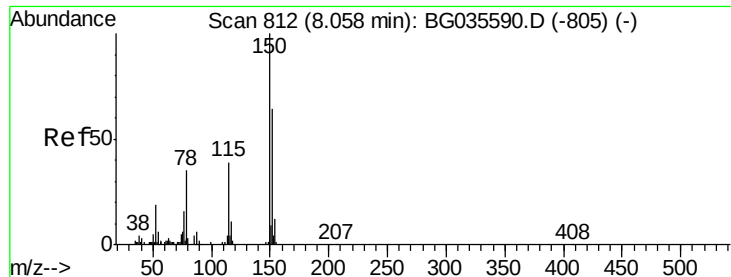
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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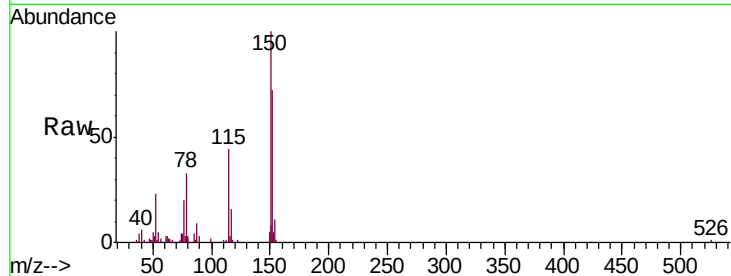


#1

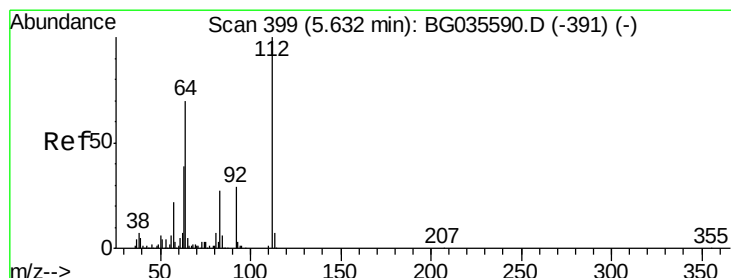
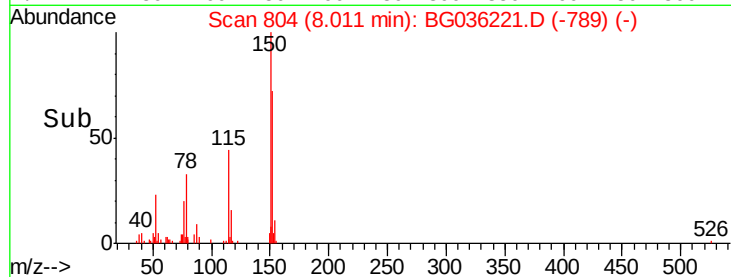
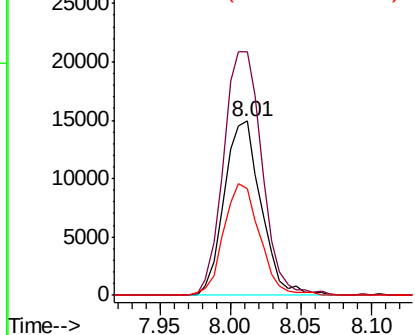
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036221.D
Acq: 9 Aug 2018 7:12

Instrument :
BNA_G
ClientSampleId :
080218-TIPC-E-U-M

Tgt Ion	Ratio	Lower	Upper
152	100		
150	139.6	126.6	189.8
115	61.0	53.0	79.4



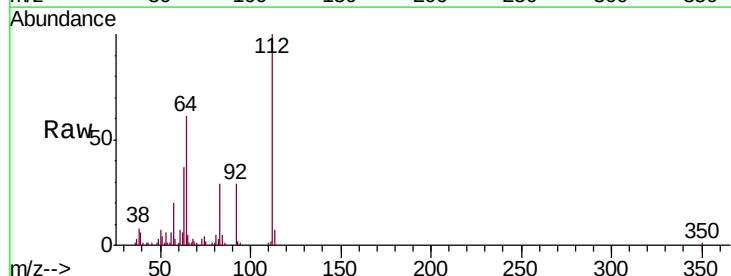
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



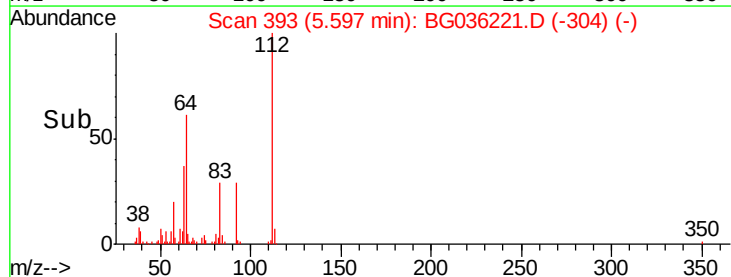
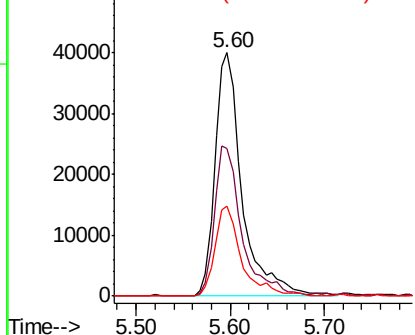
#5

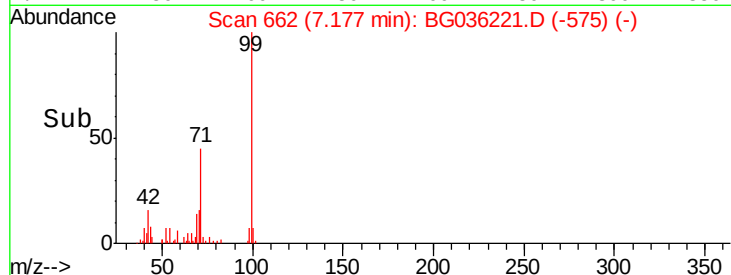
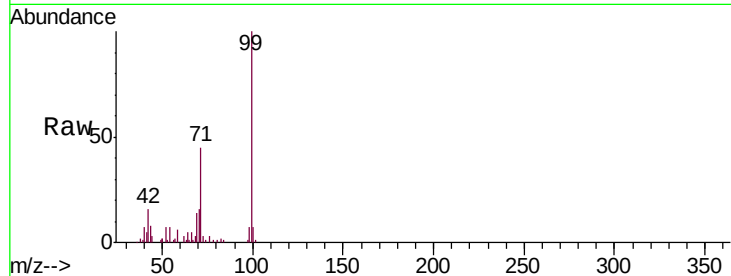
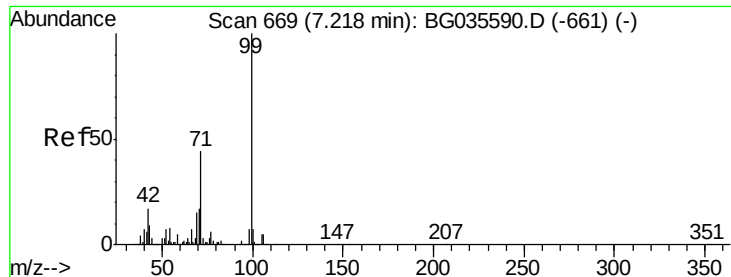
2-Fluorophenol
Concen: 49.552 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036221.D
Acq: 9 Aug 2018 7:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	56.3	84.5
63	36.9	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: 28.803 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-U-M

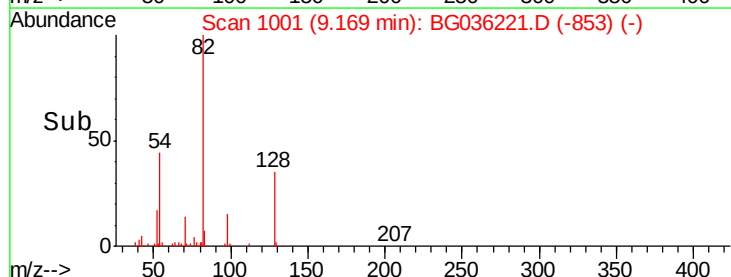
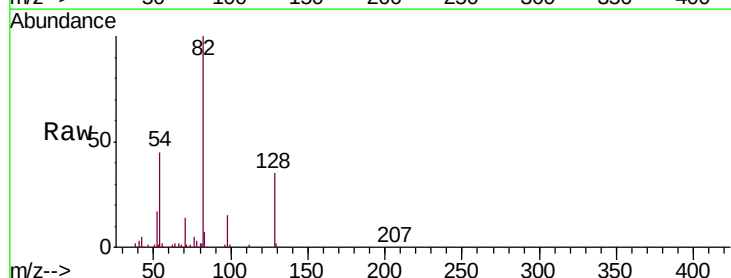
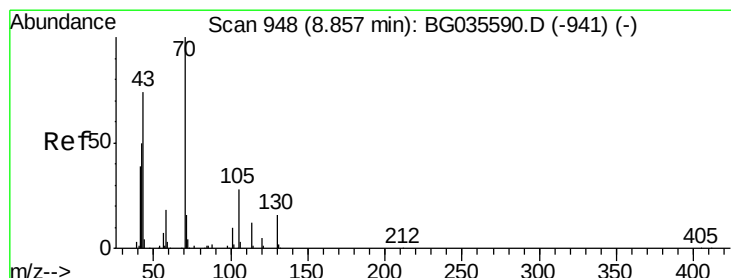
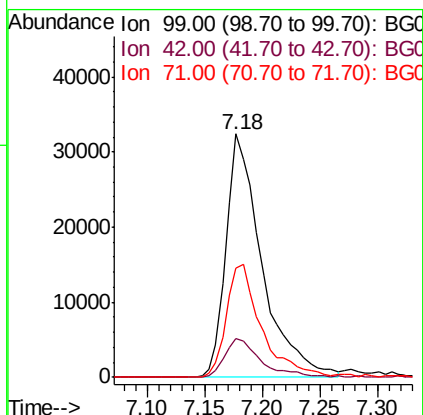
Tgt Ion: 99 Resp: 70065

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

71 44.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.975 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Tgt Ion: 70 Resp: 32723

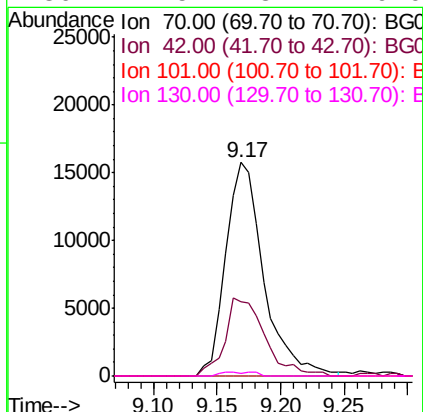
Ion Ratio Lower Upper

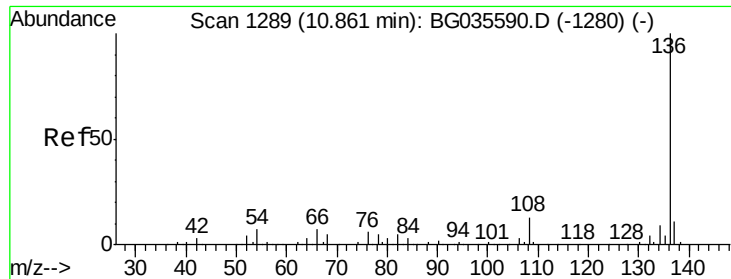
70 100

42 34.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

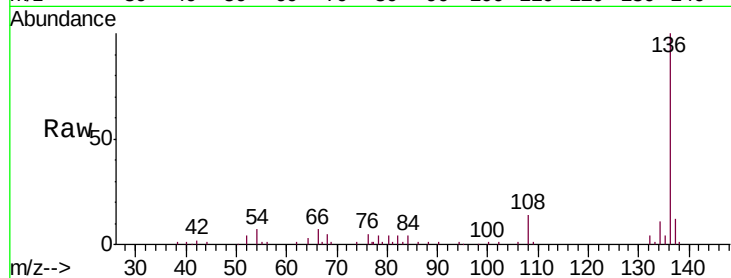




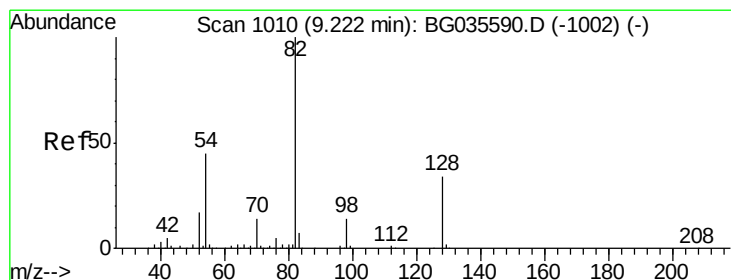
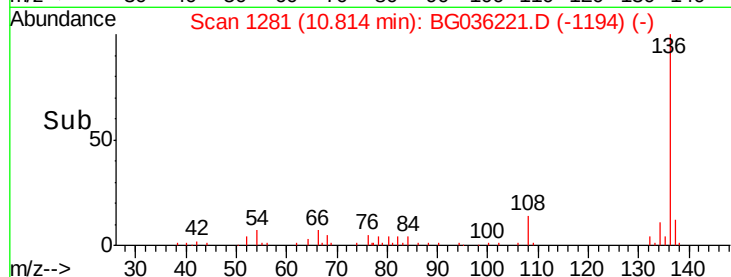
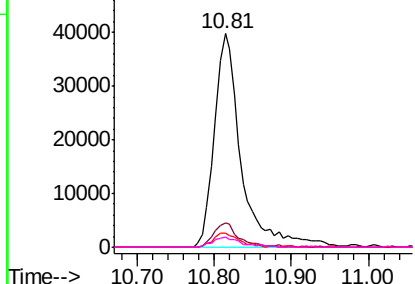
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036221.D
Acq: 9 Aug 2018 7:12

Instrument :
BNA_G
ClientSampleId :
080218-TIPC-E-U-M

Tgt Ion:	136	Resp:	95727
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	6.6	10.3	15.5
68	4.7	4.5	6.7

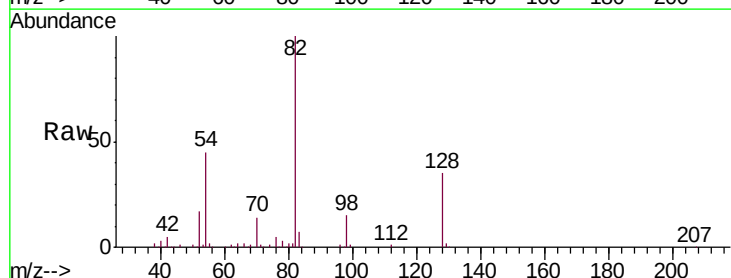


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

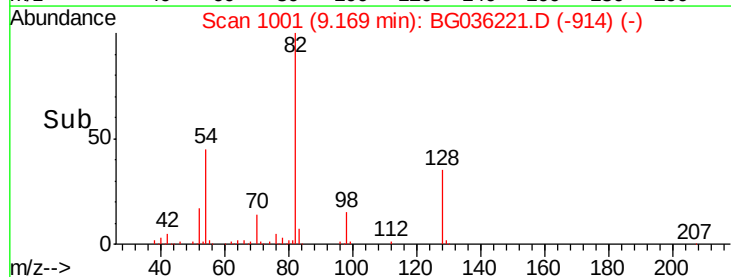
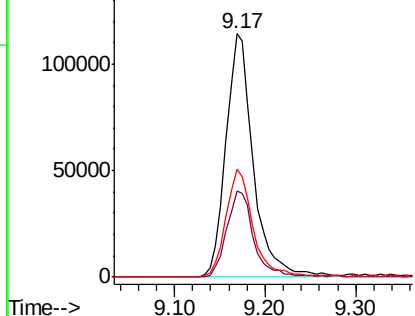


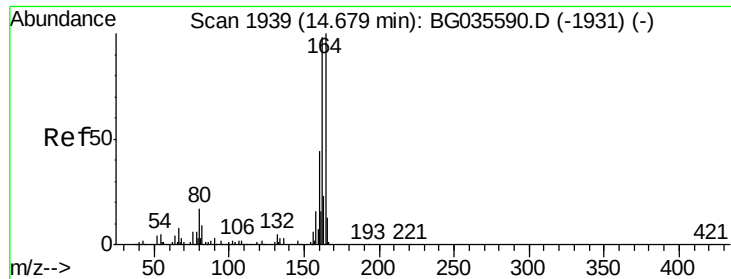
#23
Nitrobenzene-d5
Concen: 105.036 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036221.D
Acq: 9 Aug 2018 7:12

Tgt Ion:	82	Resp:	240690
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.7	44.5
54	44.5	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-U-M

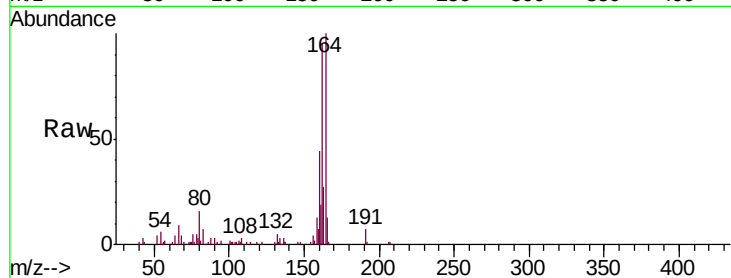
Tgt Ion:164 Resp: 67852

Ion Ratio Lower Upper

164 100

162 94.9 78.8 118.2

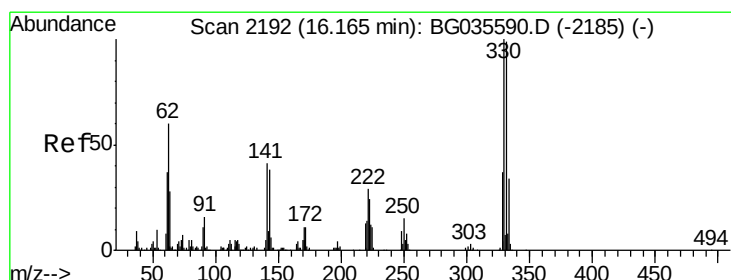
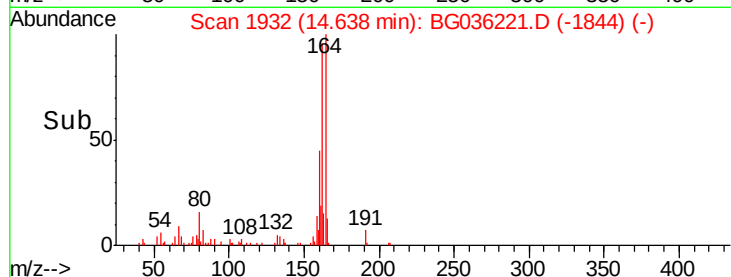
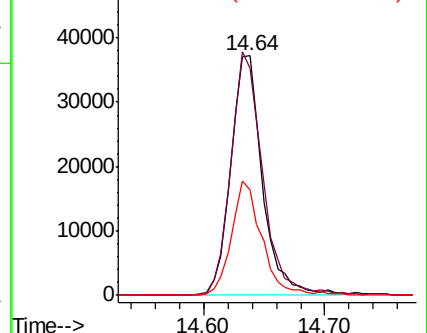
160 44.1 35.4 53.0



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: 116.254 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

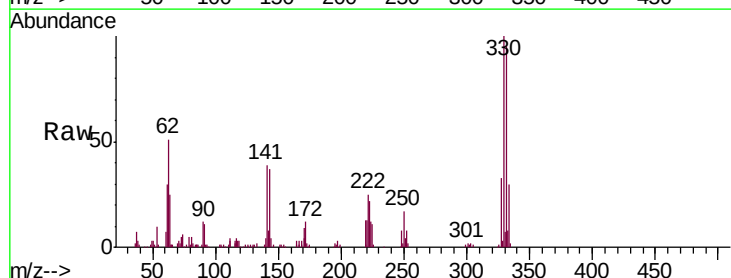
Tgt Ion:330 Resp: 103970

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

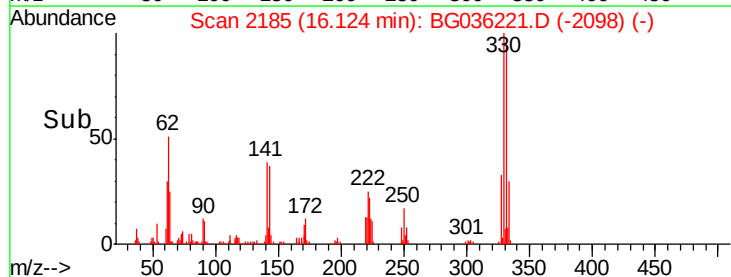
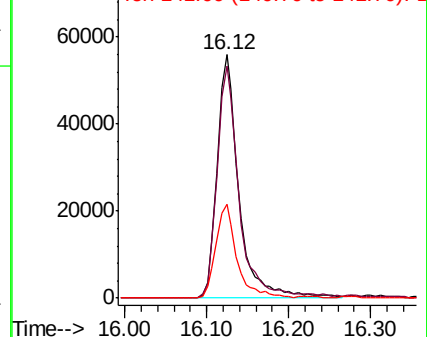
141 37.4 25.2 37.8

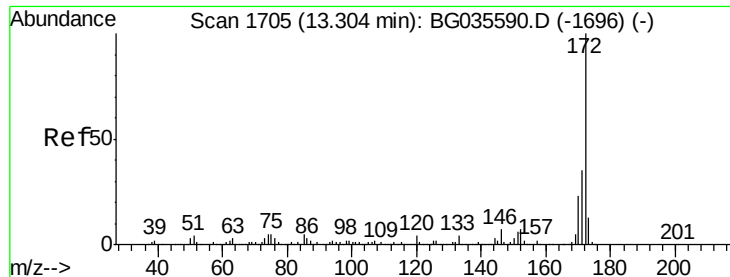


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

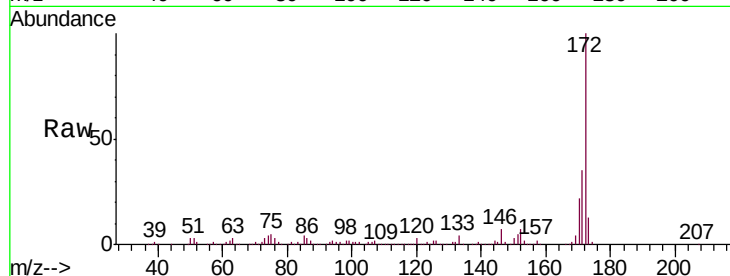




#44
 2-Fluorobiphenyl
 Concen: 106.760 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036221.D
 Acq: 9 Aug 2018 7:12

Instrument :
 BNA_G
 ClientSampleId :
 080218-TIPC-E-U-M

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.0	19.5	29.3

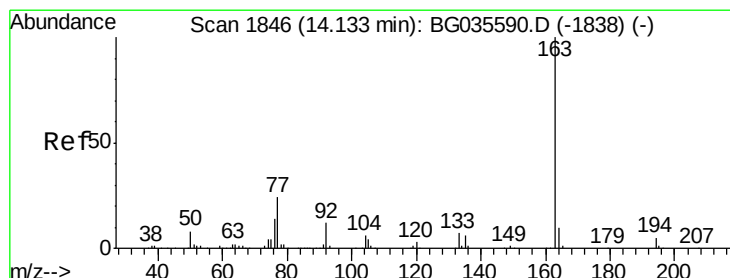
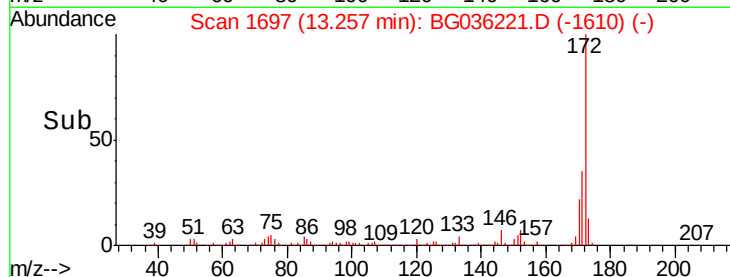
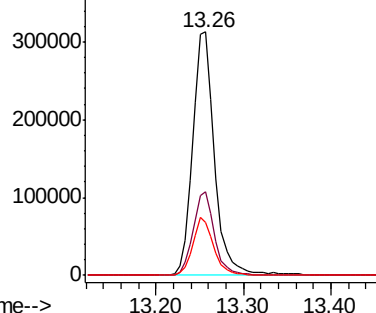


Abundance

Ion 172.00 (171.70 to 172.70): E

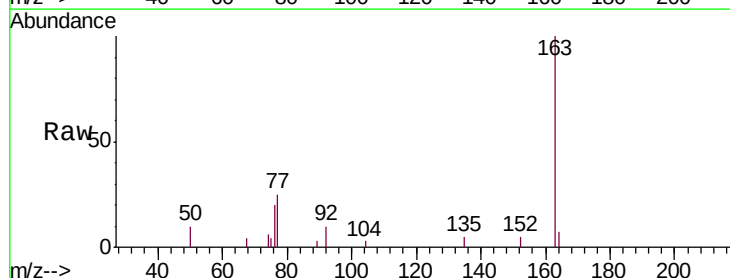
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
 Dimethylphthalate
 Concen: 2.158 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BG036221.D
 Acq: 9 Aug 2018 7:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.2#
164	7.3	8.2	12.4#

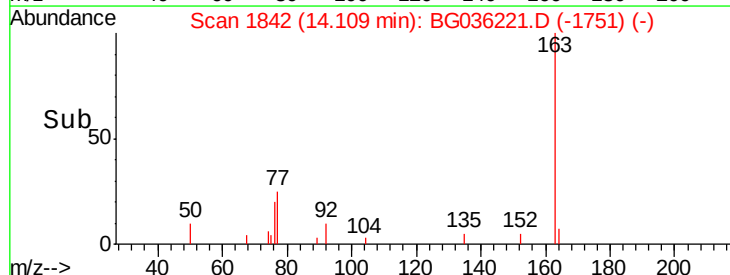
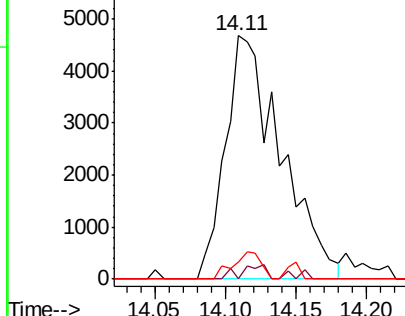


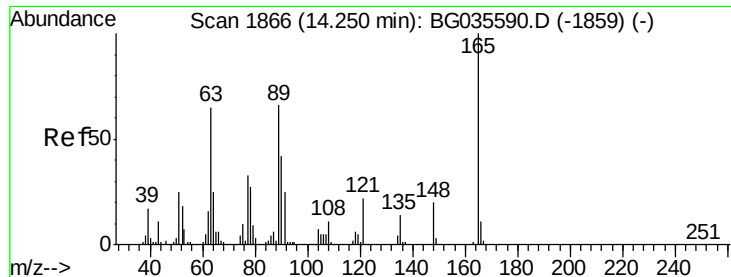
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 7.527 ng

RT: 14.64 min Scan# 1932

Delta R.T. 0.41 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

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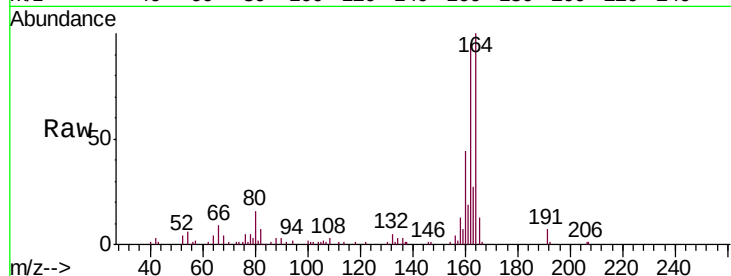
Tgt Ion:165 Resp: 9112

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 0.0 49.2 73.8#

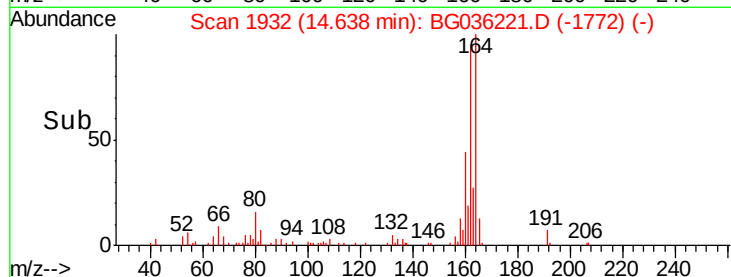


Abundance Ion 165.00 (164.70 to 165.70): E

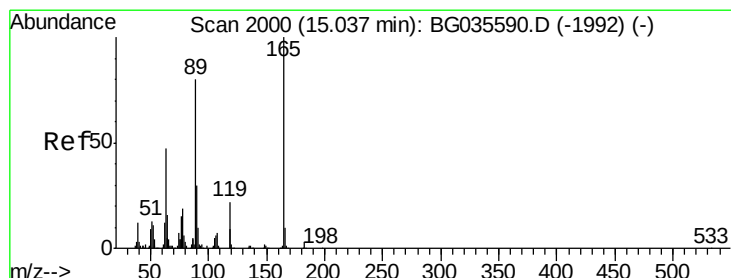
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

14.64



Time--> 14.55 14.60 14.65 14.70



#56

2,4-Dinitrotoluene

Concen: 5.247 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.38 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Tgt Ion:165 Resp: 9112

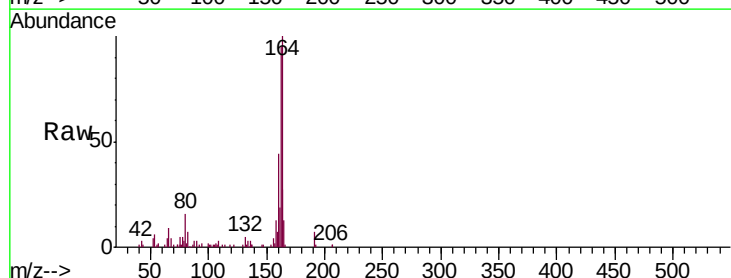
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



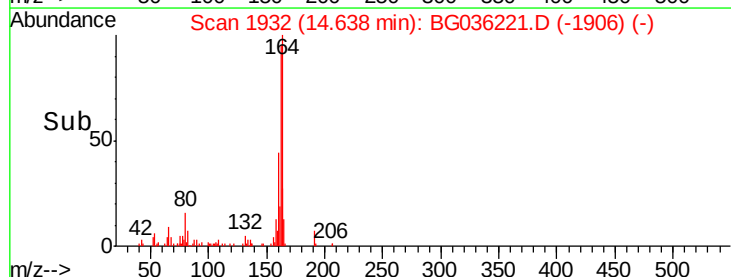
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

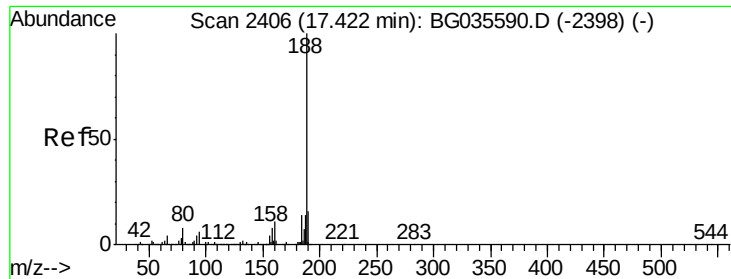
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.64



Time--> 14.55 14.60 14.65 14.70



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-U-M

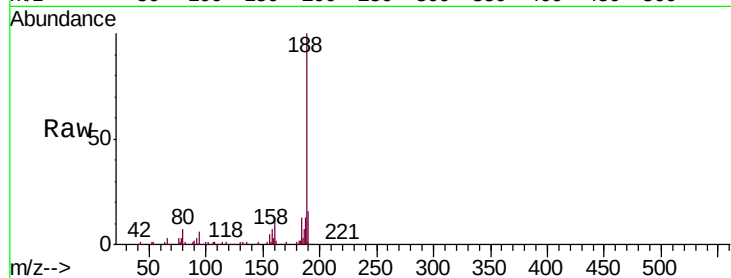
Tgt Ion:188 Resp: 189713

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

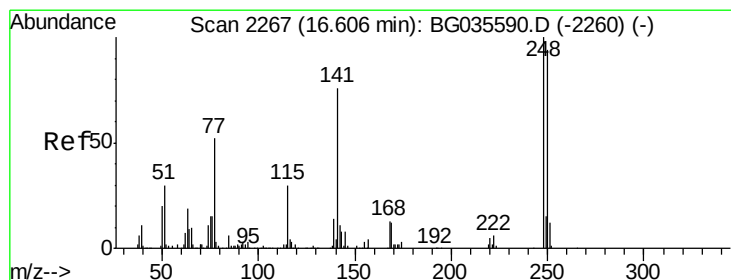
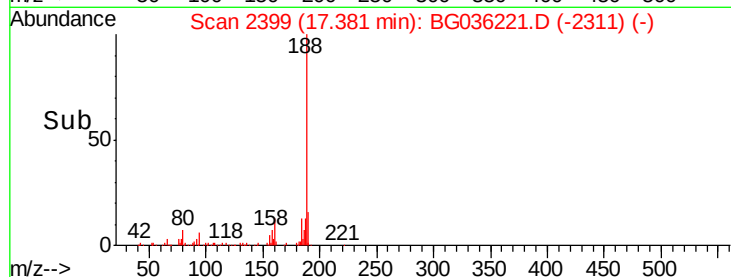
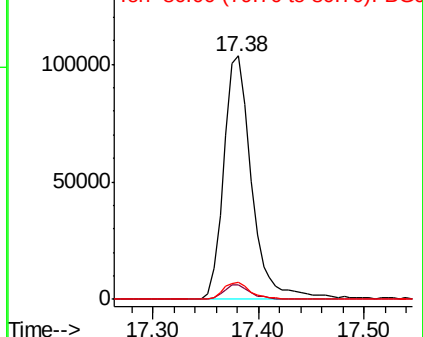
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG035590.D (-2398) (-)

Ion 80.00 (79.70 to 80.70): BG035590.D (-2398) (-)



#66

4-Bromophenyl-phenylether

Concen: 3.748 ng

RT: 16.13 min Scan# 2186

Delta R.T. -0.45 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

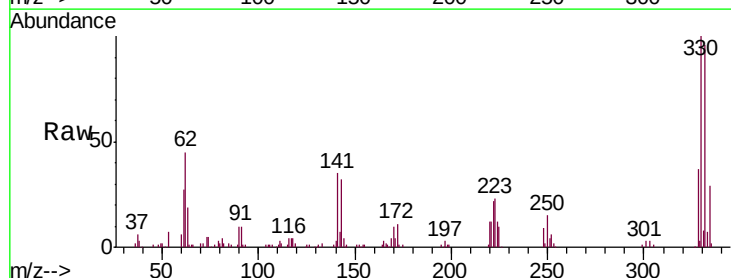
Tgt Ion:248 Resp: 8249

Ion Ratio Lower Upper

248 100

250 156.6 77.1 115.7#

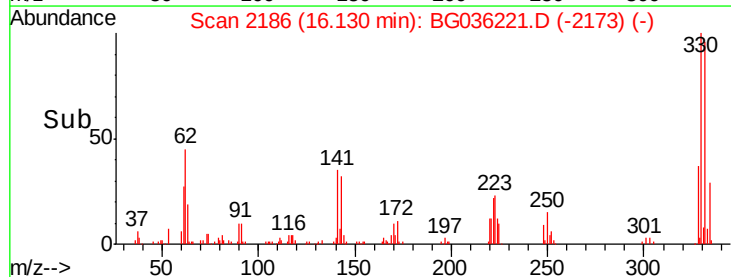
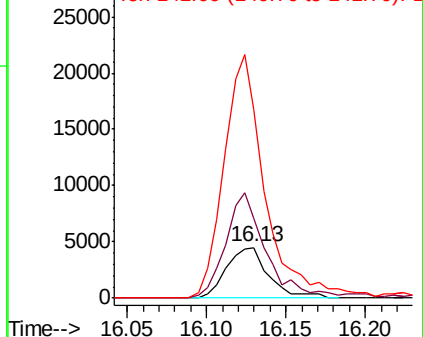
141 373.4 50.8 76.2#

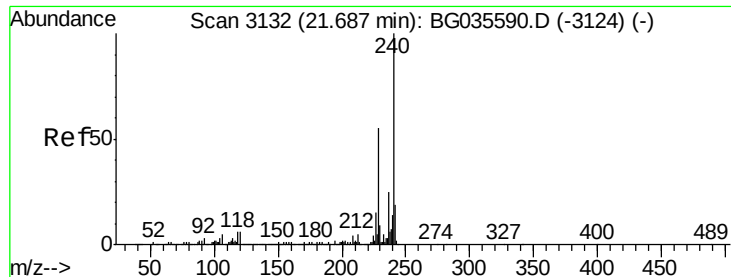


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG035590.D (-2260) (-)

Ion 141.00 (140.70 to 141.70): BG035590.D (-2260) (-)





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-U-M

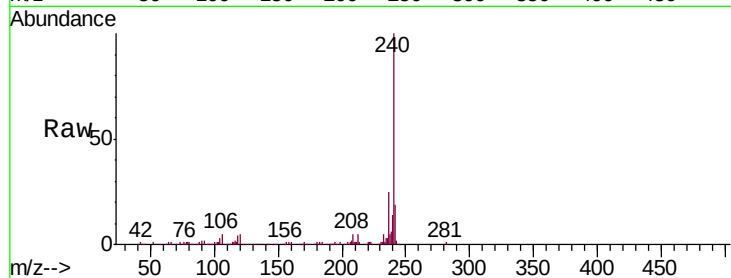
Tgt Ion:240 Resp: 207485

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

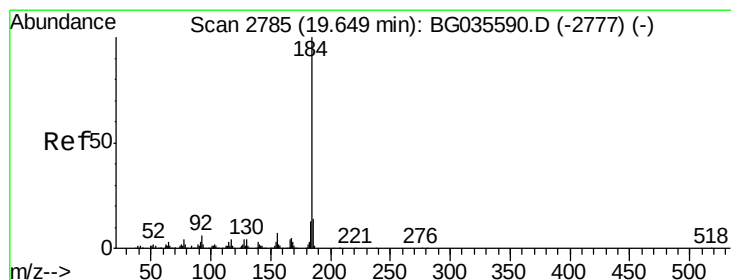
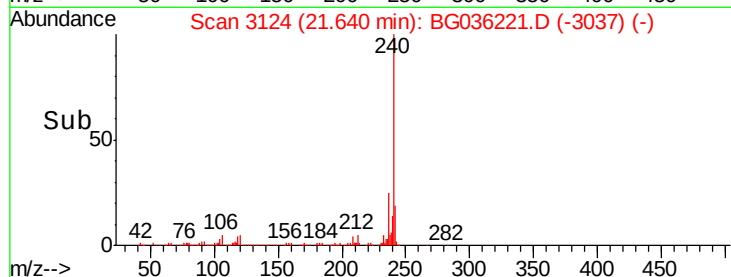
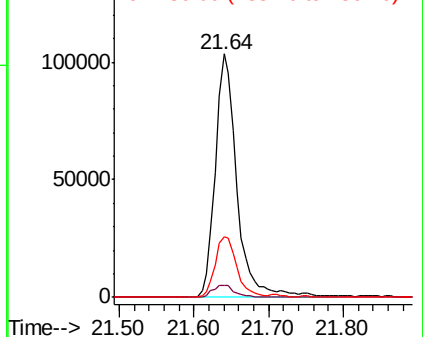
236 24.9 20.9 31.3



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: 3.156 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

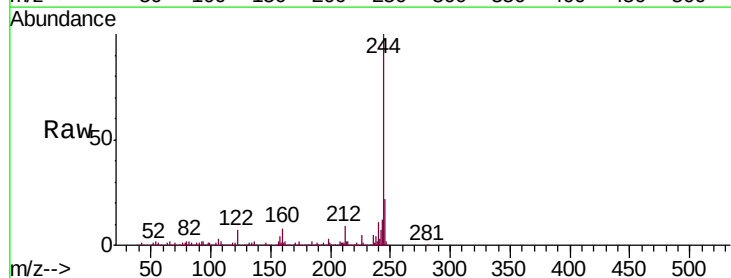
Tgt Ion:184 Resp: 17214

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

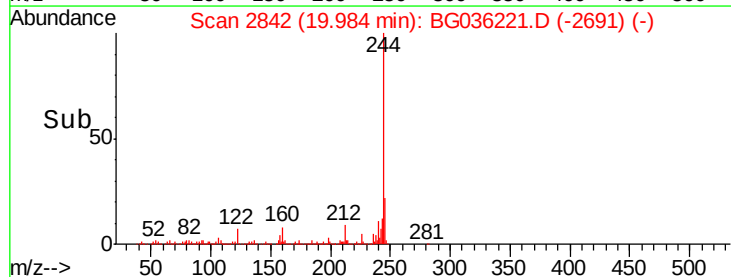
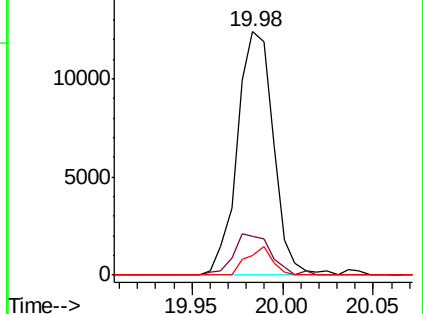
183 8.2 10.6 16.0#

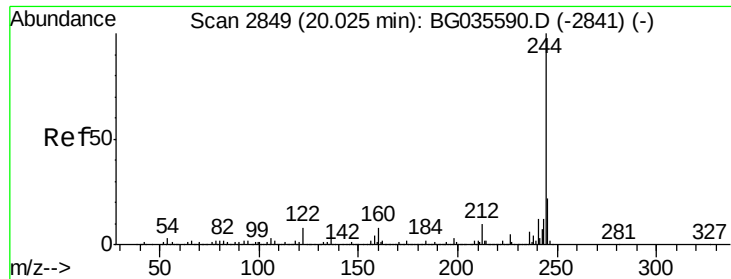


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.793 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-U-M

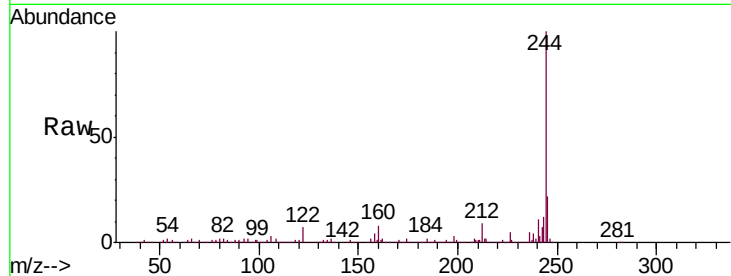
Tgt Ion:244 Resp: 1024040

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

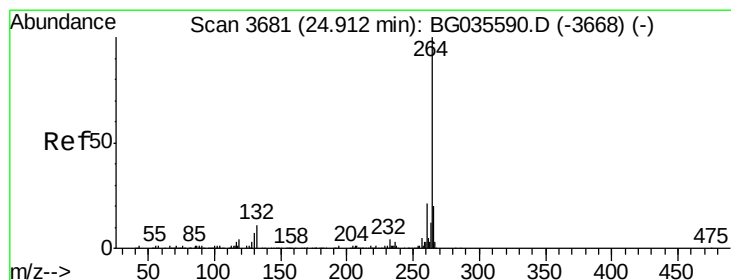
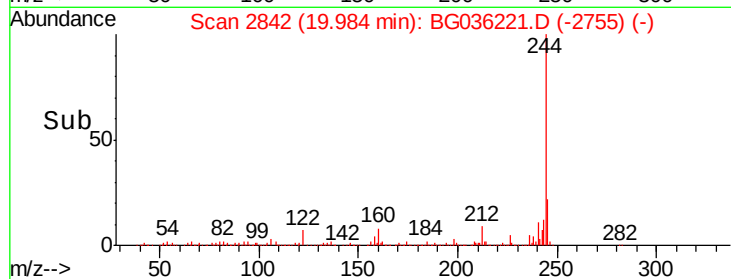
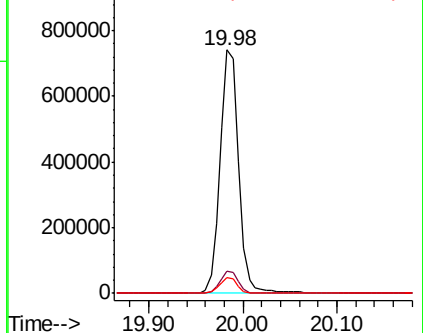
122 6.6 7.0 10.4#



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: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036221.D

Acq: 9 Aug 2018 7:12

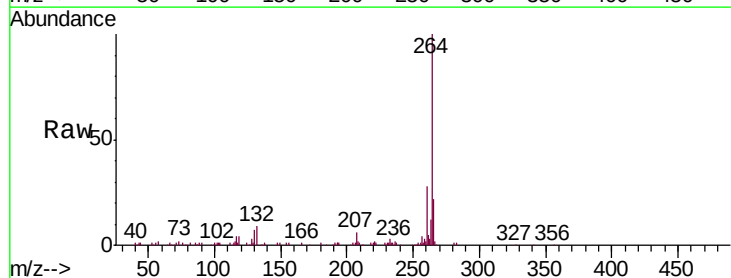
Tgt Ion:264 Resp: 189893

Ion Ratio Lower Upper

264 100

260 27.5 17.4 26.0#

265 22.1 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

