

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036220.D
 Acq On : 9 Aug 2018 6:33
 Operator : JU/SJ
 Sample : J4350-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Aug 09 07:40:08 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

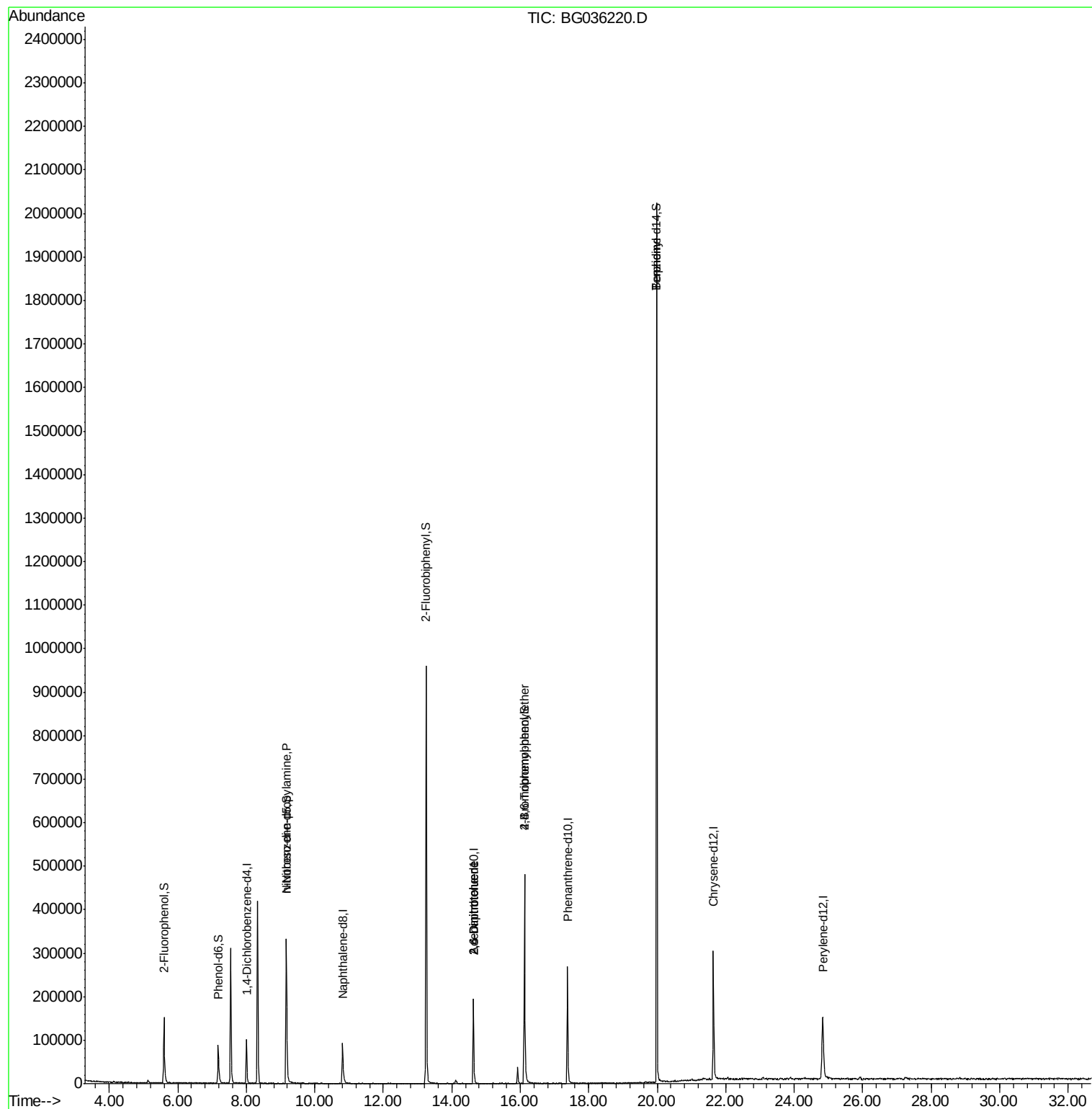
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	29615	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	103843	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	73852	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	203519	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	220867	20.00	ng	-0.02
86) Perylene-d12	24.83	264	199110	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	75959	42.58	ng	0.00
7) Phenol-d6	7.18	99	67279	25.28	ng	-0.01
23) Nitrobenzene-d5	9.17	82	256328	103.12	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	105411	108.29	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	565656	102.62	ng	-0.02
78) Terphenyl-d14	19.98	244	1035430	103.34	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	34476	15.383	ng	# 70
50) 2,6-Dinitrotoluene	14.64	165	9685	7.350	ng	# 24
56) 2,4-Dinitrotoluene	14.64	165	9685	5.123	ng	# 21
66) 4-Bromophenyl-phenylether	16.12	248	8269	3.502	ng	# 1
76) Benzidine	19.99	184	18772	3.233	ng	# 93

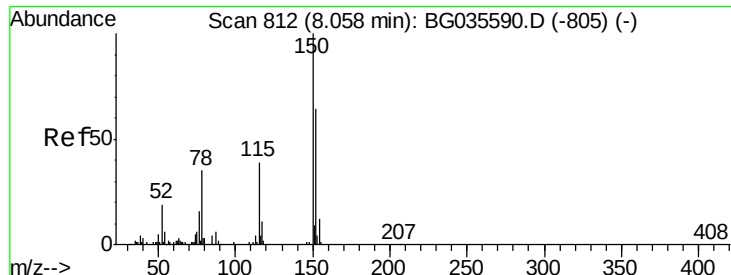
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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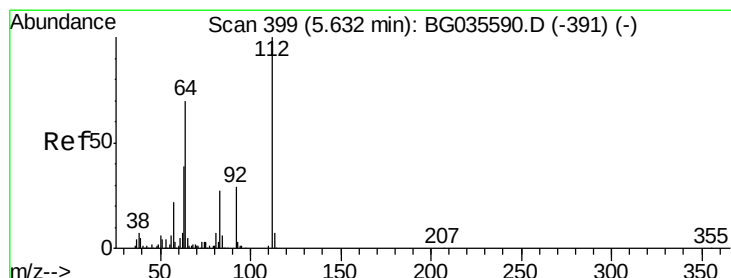
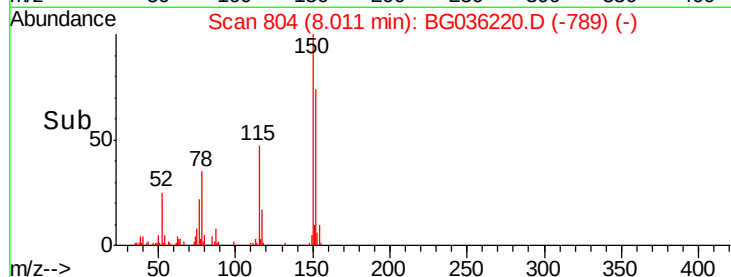
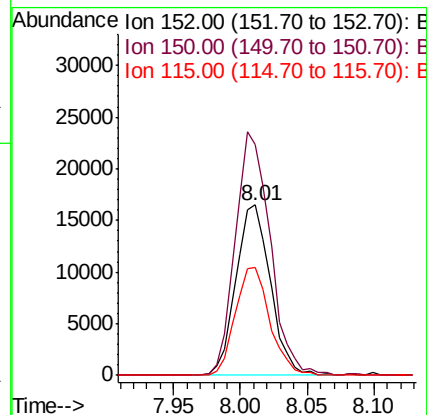
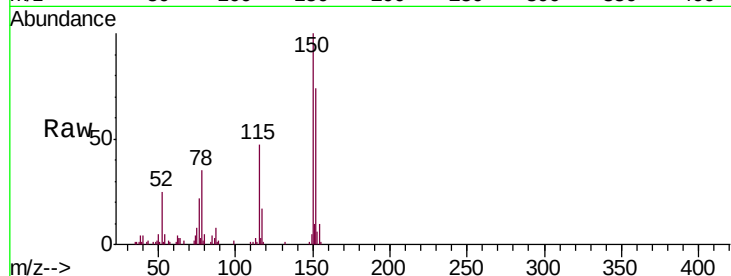


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036220.D
Acq: 9 Aug 2018 6:33

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

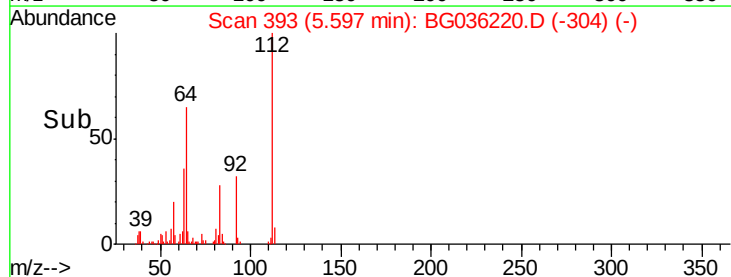
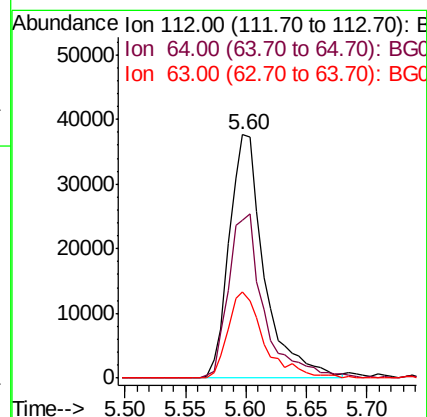
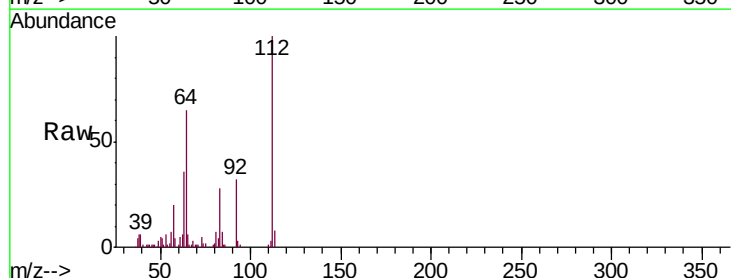
Tgt Ion	Ratio	Lower	Upper
152	100		
150	135.5	126.6	189.8
115	63.2	53.0	79.4

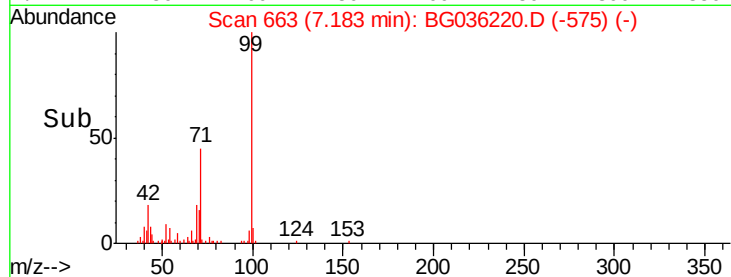
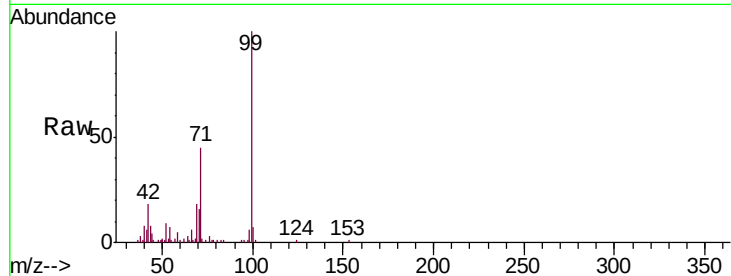
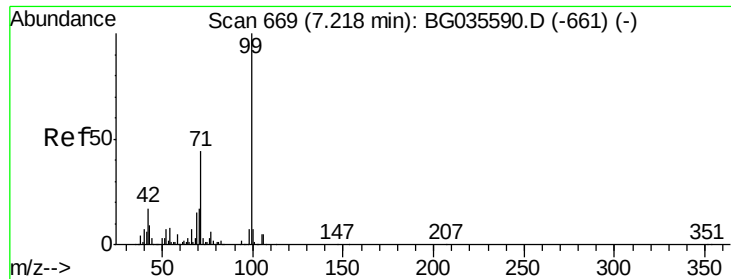


#5

2-Fluorophenol
Concen: 42.583 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036220.D
Acq: 9 Aug 2018 6:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	56.3	84.5
63	35.6	30.1	45.1





#7

Phenol-d6

Concen: 25.280 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-D-M

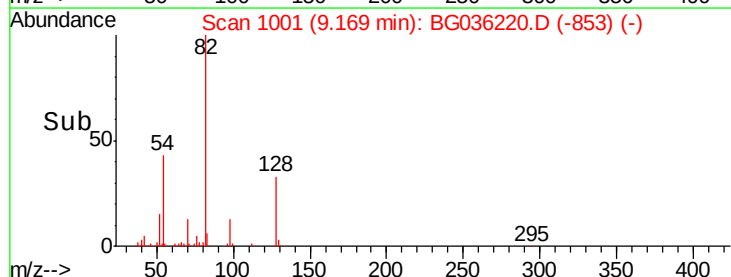
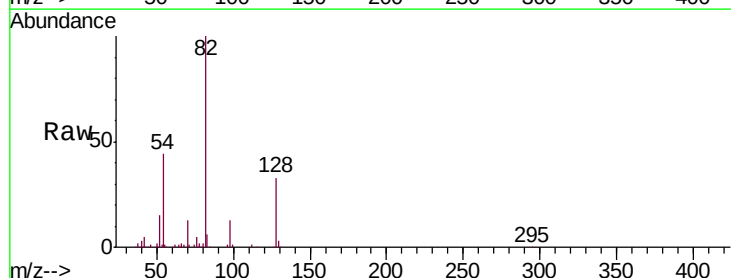
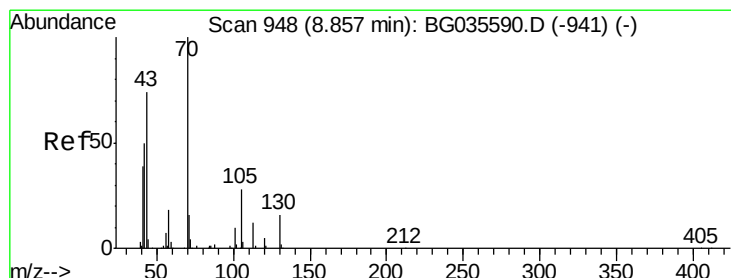
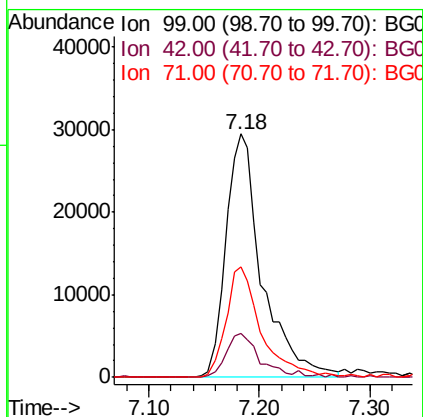
Tgt Ion: 99 Resp: 67279

Ion Ratio Lower Upper

99 100

42 18.2 14.1 21.1

71 45.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.383 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

Tgt Ion: 70 Resp: 34476

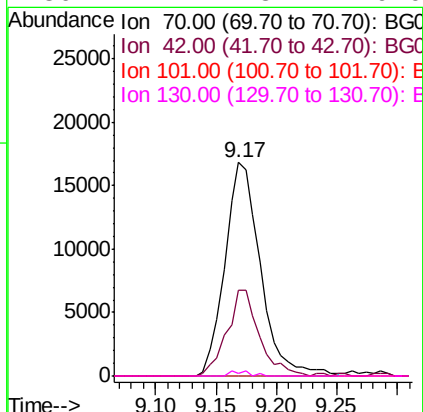
Ion Ratio Lower Upper

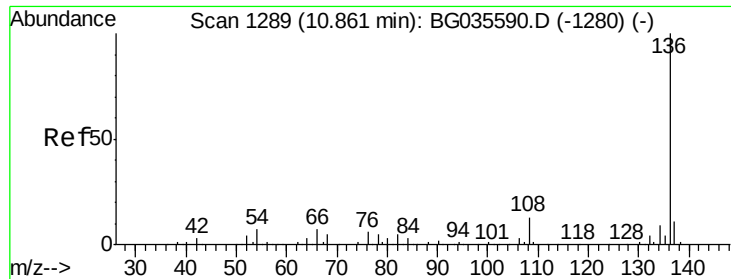
70 100

42 39.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

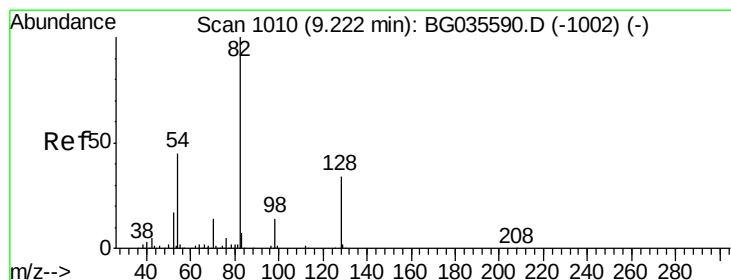
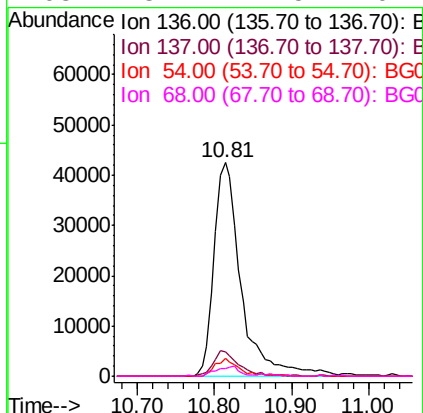
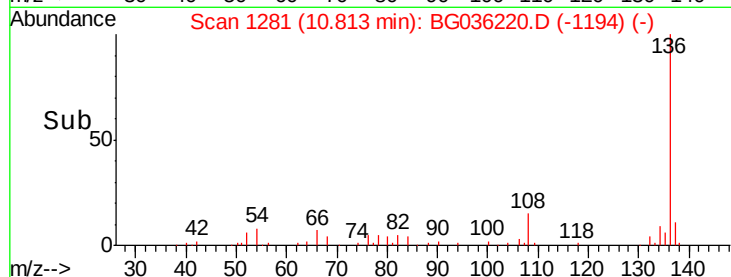
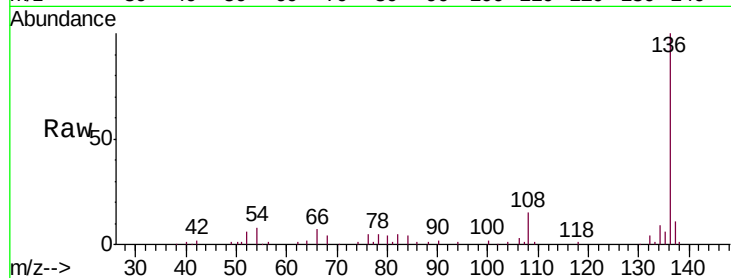




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036220.D
Acq: 9 Aug 2018 6:33

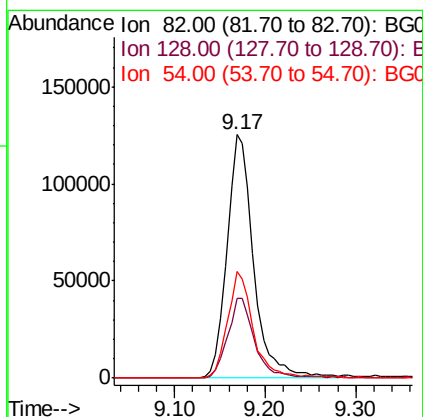
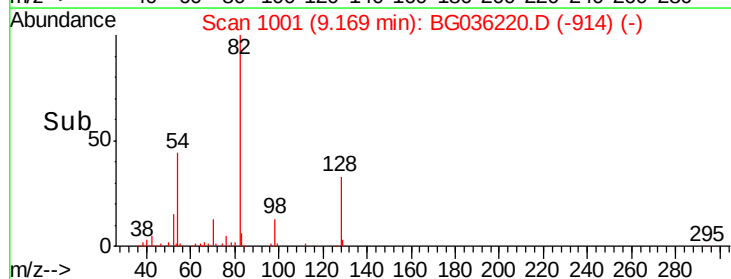
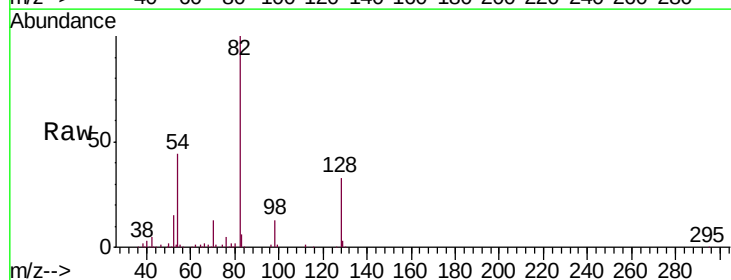
Instrument :
BNA_G
ClientSampleId :
080218-TIPC-E-D-M

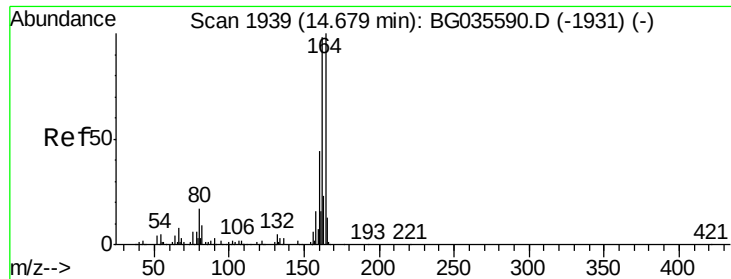
Tgt Ion:	136	Resp:	103843
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	8.3	10.3	15.5#
68	3.7	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 103.118 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036220.D
Acq: 9 Aug 2018 6:33

Tgt Ion:	82	Resp:	256328
Ion Ratio	Lower	Upper	
82	100		
128	32.8	29.7	44.5
54	43.6	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-D-M

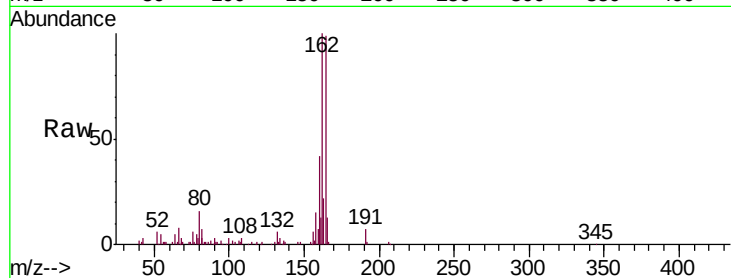
Tgt Ion:164 Resp: 73852

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

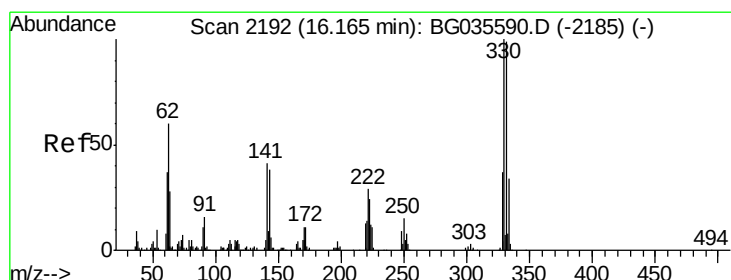
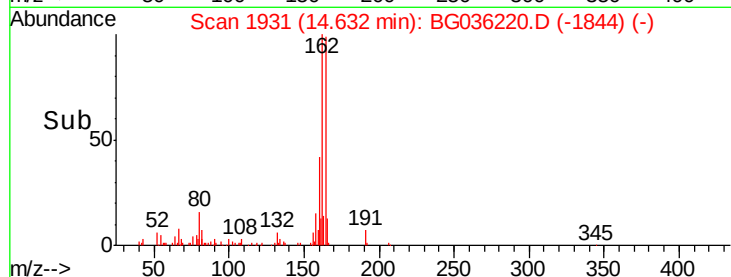
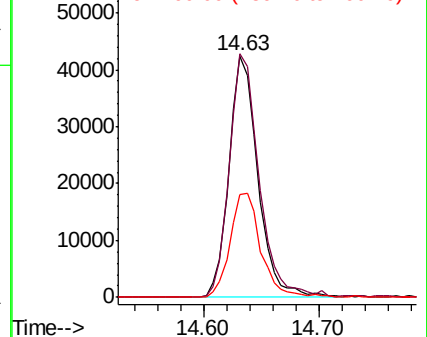
160 42.8 35.4 53.0



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: 108.290 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

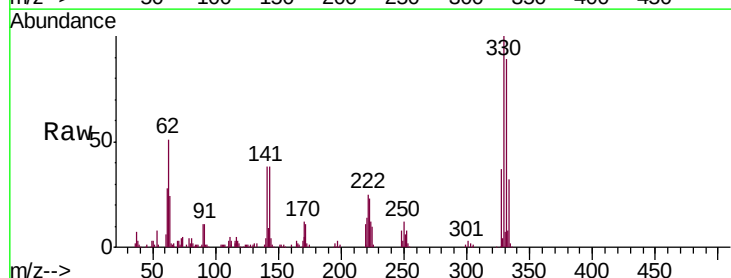
Tgt Ion:330 Resp: 105411

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

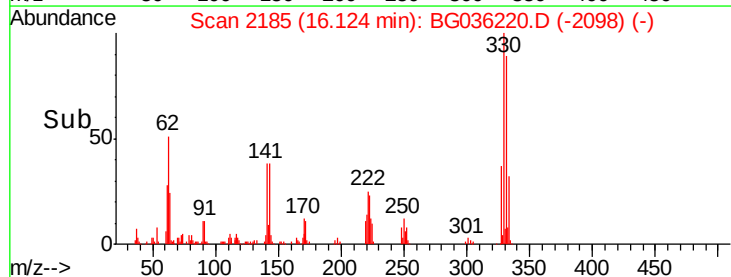
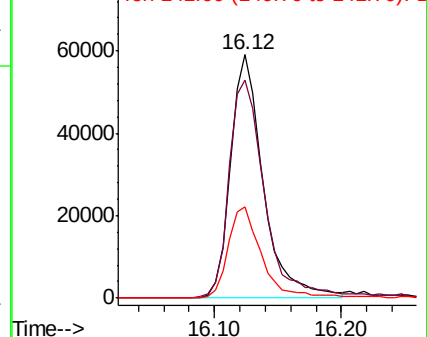
141 39.2 25.2 37.8#

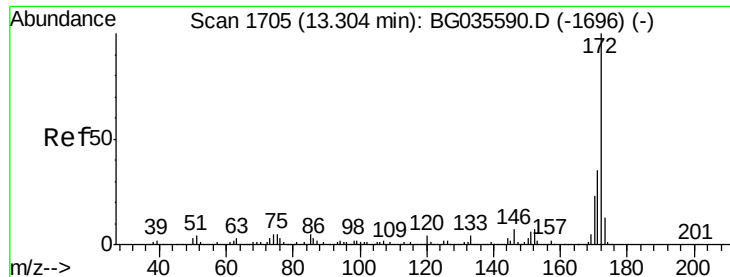


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

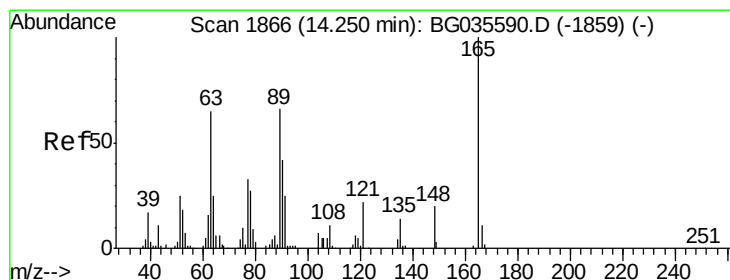
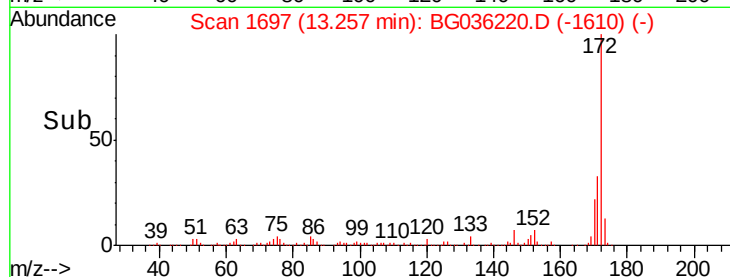
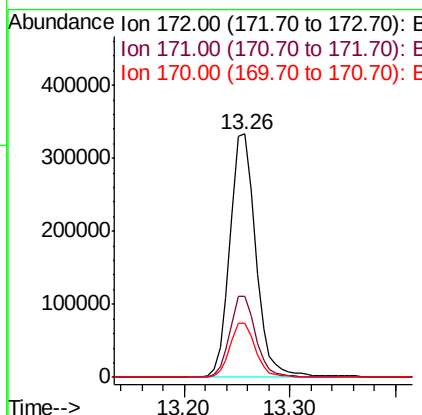
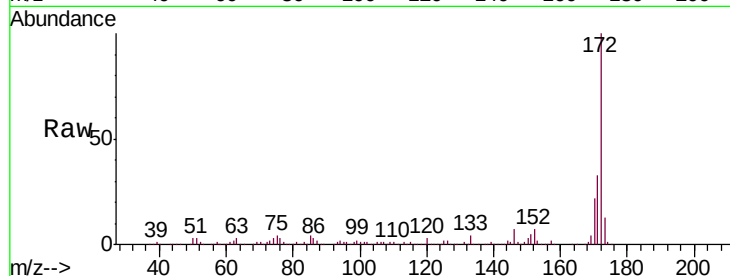




#44
 2-Fluorobiphenyl
 Concen: 102.615 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036220.D
 Acq: 9 Aug 2018 6:33

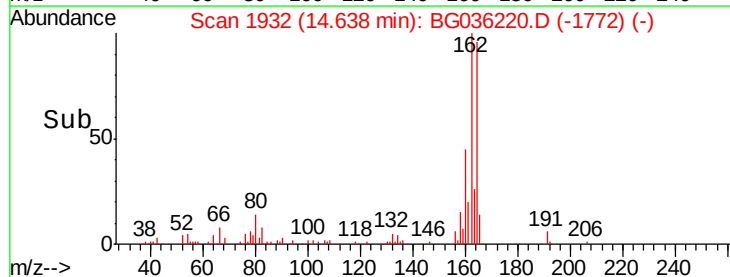
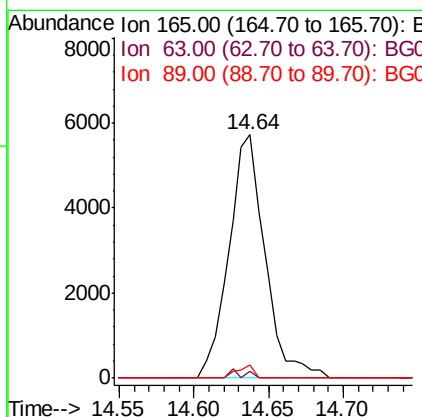
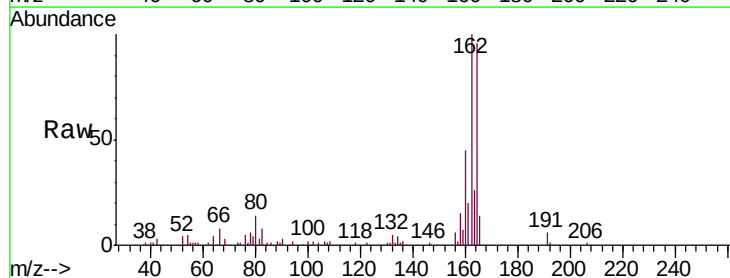
Instrument :
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 080218-TIPC-E-D-M

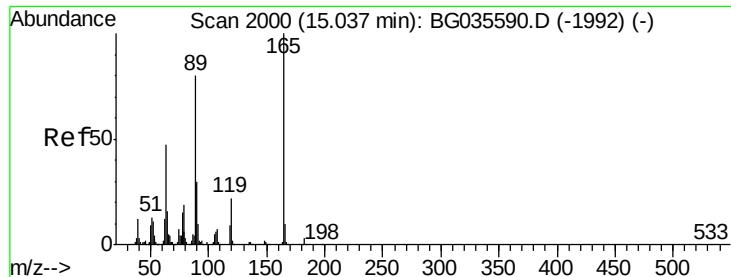
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.0	45.0
170	22.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.350 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036220.D
 Acq: 9 Aug 2018 6:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	52.7	79.1#
89	5.4	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 5.123 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.38 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-D-M

Tgt Ion:165 Resp: 9685

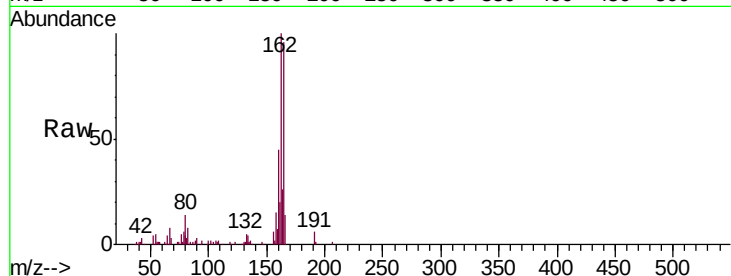
Ion Ratio Lower Upper

165 100

63 2.8 42.0 63.0#

89 5.4 66.9 100.3#

182 0.0 2.6 3.8#



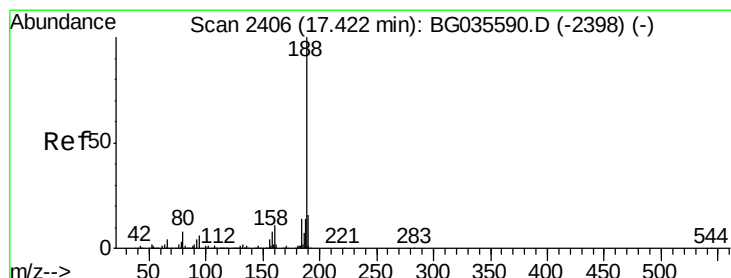
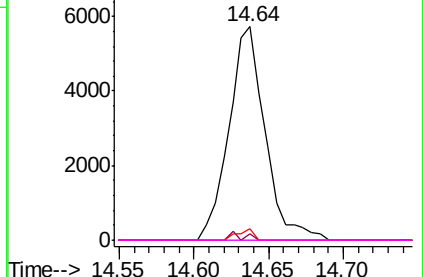
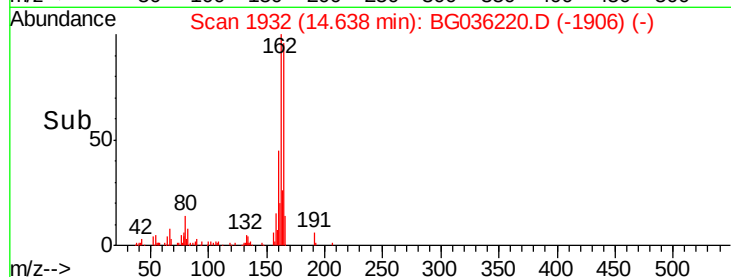
Abundance Ion 165.00 (164.70 to 165.70): E

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

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: BG036220.D

Acq: 9 Aug 2018 6:33

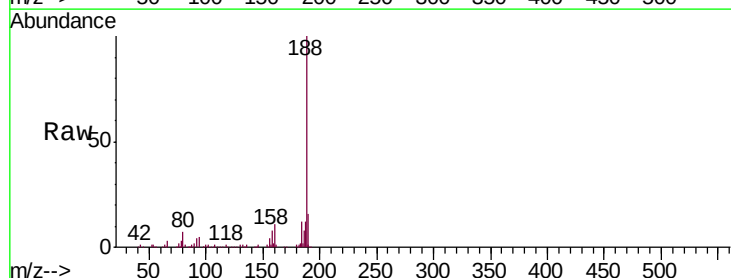
Tgt Ion:188 Resp: 203519

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

80 7.1 7.7 11.5#

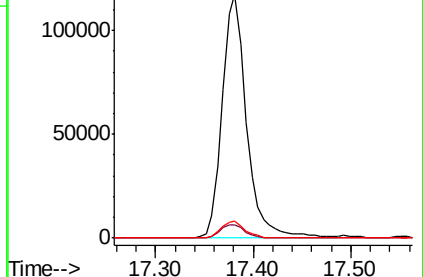
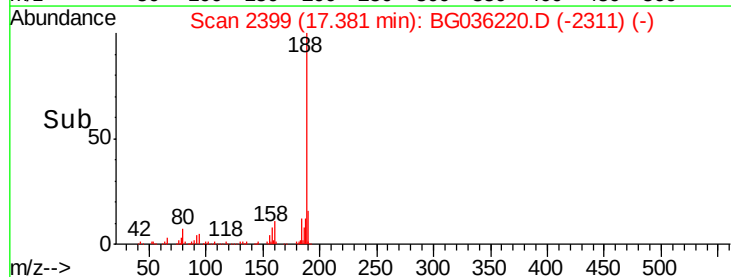


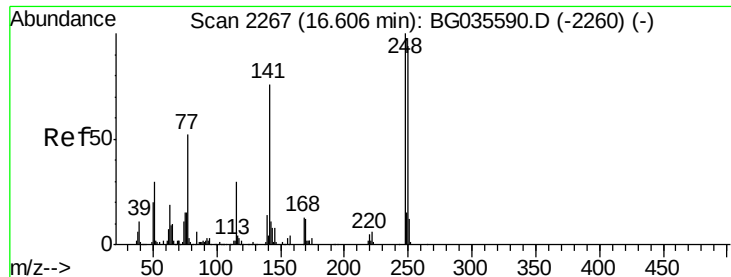
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.30 17.40 17.50

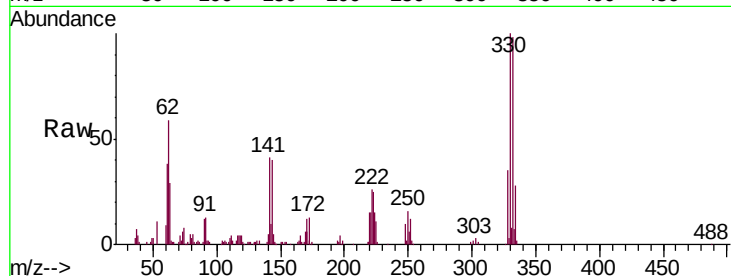




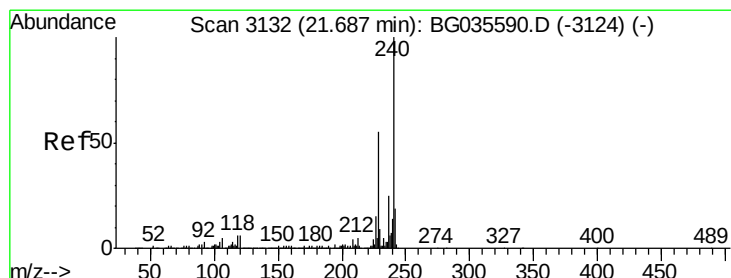
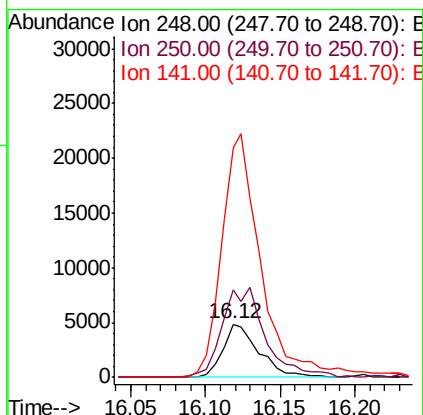
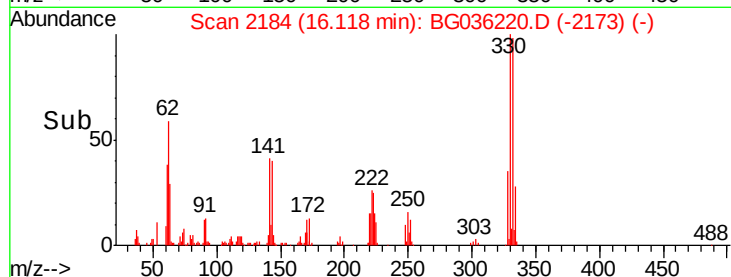
#66
 4-Bromophenyl-phenylether
 Concen: 3.502 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.47 min
 Lab File: BG036220.D
 Acq: 9 Aug 2018 6:33

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

Tgt Ion:248 Resp: 8269
 Ion Ratio Lower Upper
 248 100
 250 164.0 77.1 115.7#
 141 433.3 50.8 76.2#

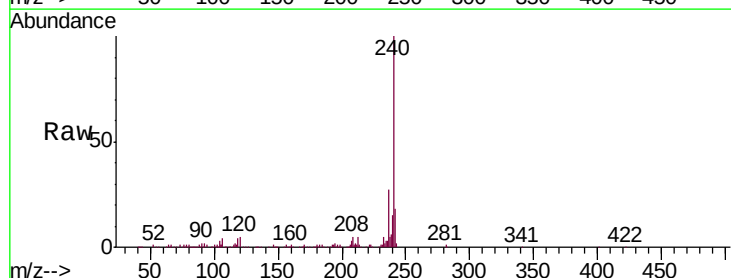


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

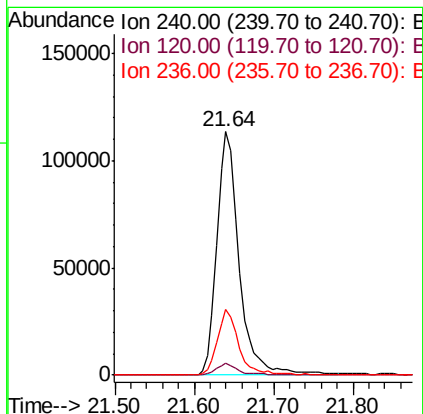
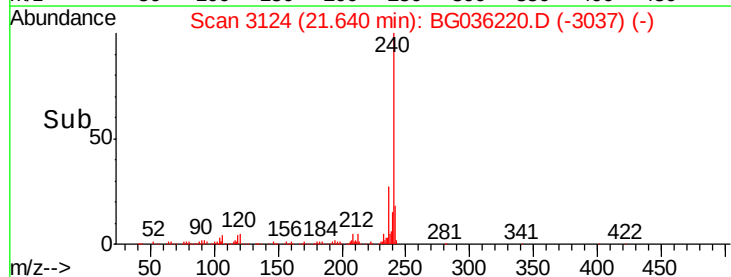


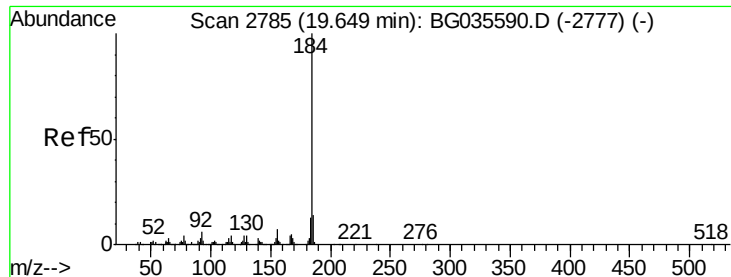
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036220.D
 Acq: 9 Aug 2018 6:33

Tgt Ion:240 Resp: 220867
 Ion Ratio Lower Upper
 240 100
 120 5.0 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: 3.233 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

Instrument :

BNA_G

ClientSampleId :

080218-TIPC-E-D-M

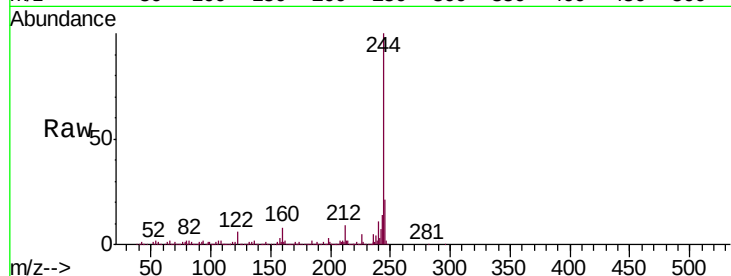
Tgt Ion:184 Resp: 18772

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

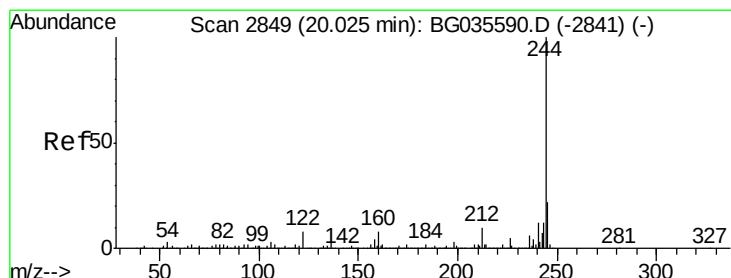
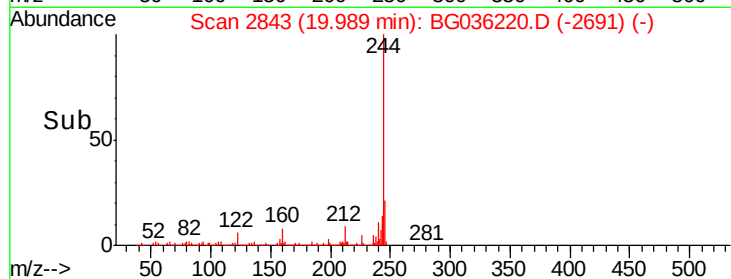
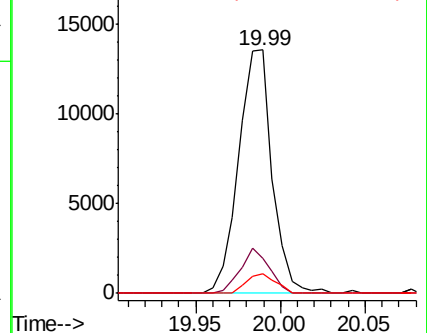
183 8.0 10.6 16.0#



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: 103.338 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036220.D

Acq: 9 Aug 2018 6:33

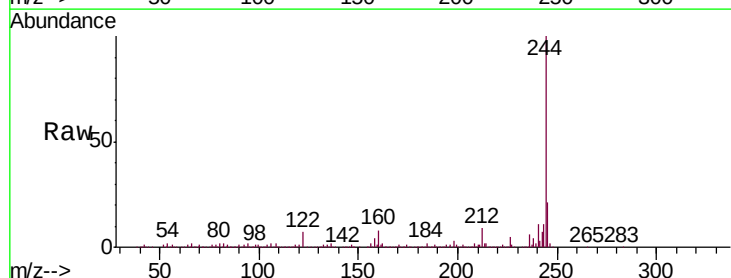
Tgt Ion:244 Resp: 1035430

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

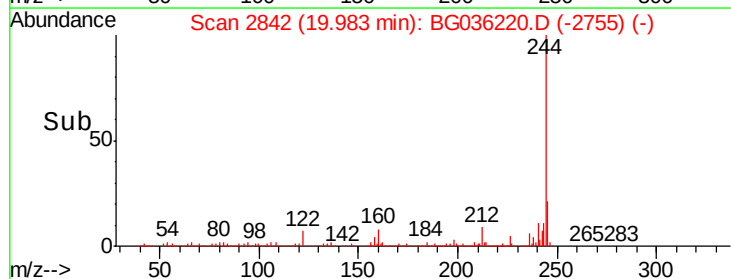
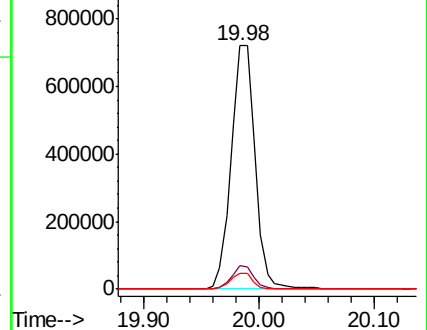
122 6.7 7.0 10.4#

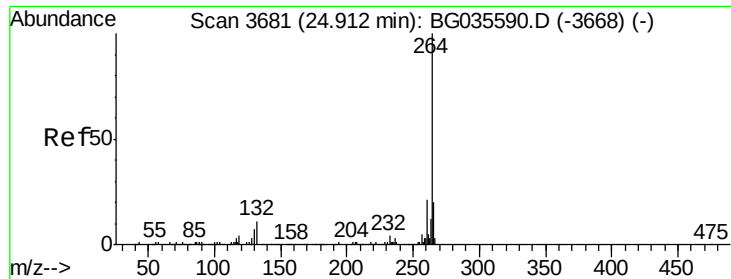


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036220.D
Acq: 9 Aug 2018 6:33

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.1	17.7	26.5

