

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081018\
 Data File : BG036273.D
 Acq On : 10 Aug 2018 18:43
 Operator : JU/SJ
 Sample : J4379-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-102S

Quant Time: Aug 10 23:06:23 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

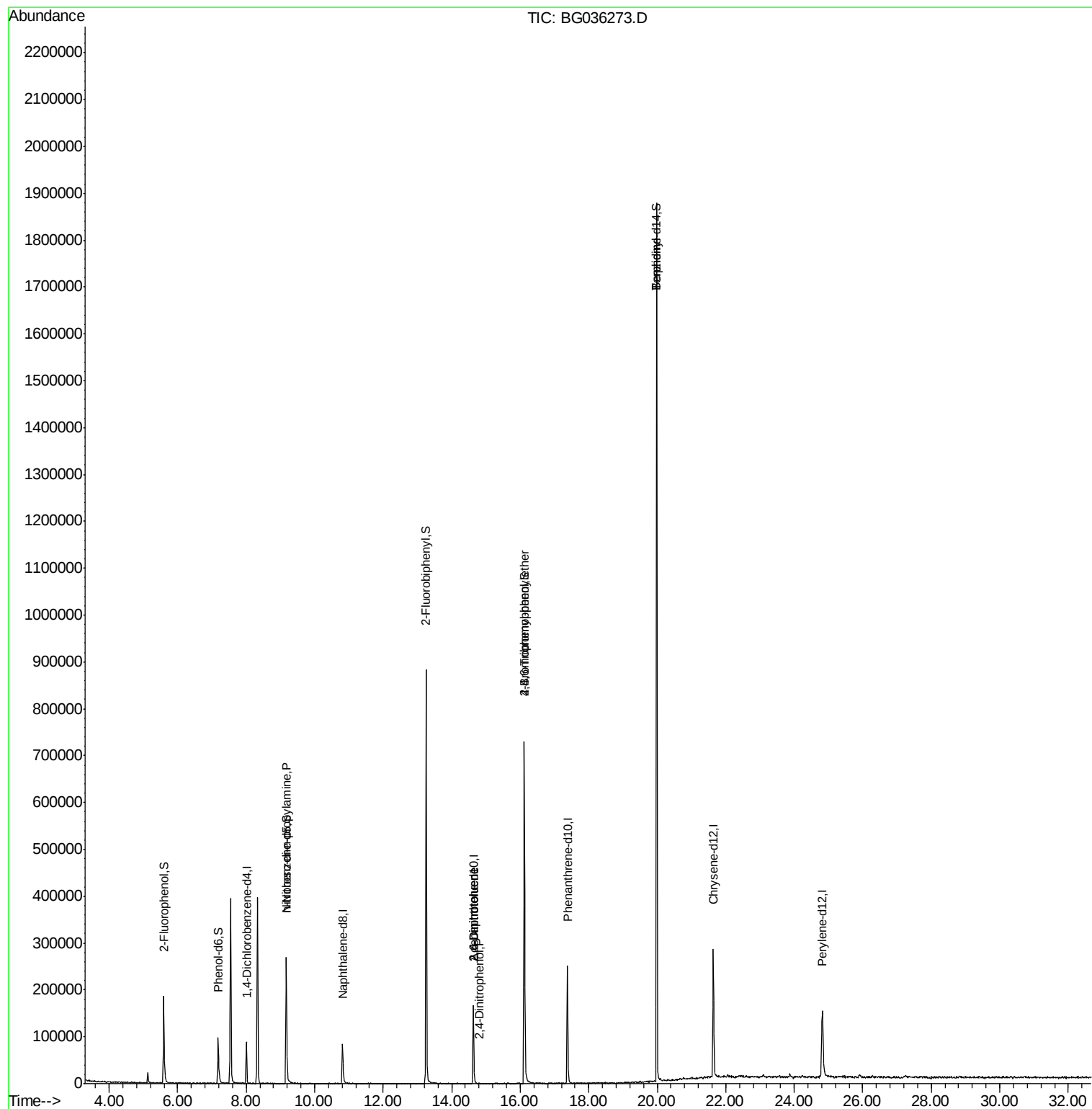
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	25097	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	85451	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	66537	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	178813	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	190819	20.00	ng	-0.02
86) Perylene-d12	24.82	264	177310	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	89460	59.18	ng	0.00
7) Phenol-d6	7.19	99	73933	32.78	ng	0.00
23) Nitrobenzene-d5	9.17	82	210576	102.95	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	148002	168.76	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	505566	101.80	ng	-0.02
78) Terphenyl-d14	19.99	244	958451	110.72	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	29721	15.649	ng	# 74
50) 2,6-Dinitrotoluene	14.63	165	8722	7.347	ng	# 18
53) 2,4-Dinitrophenol	14.80	184	58	6.669	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	8721	5.121	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	12273	5.916	ng	# 1
76) Benzidine	19.98	184	17176	3.424	ng	# 93

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

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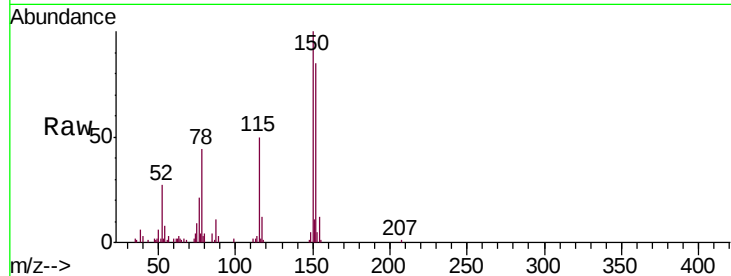


#1

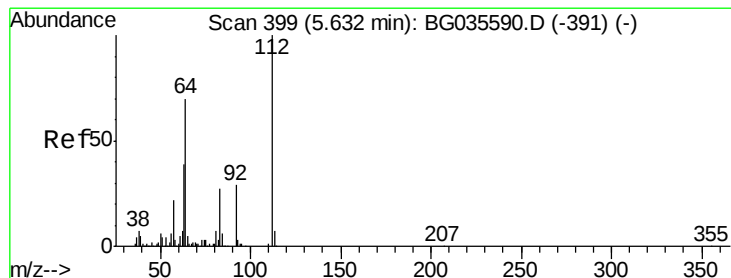
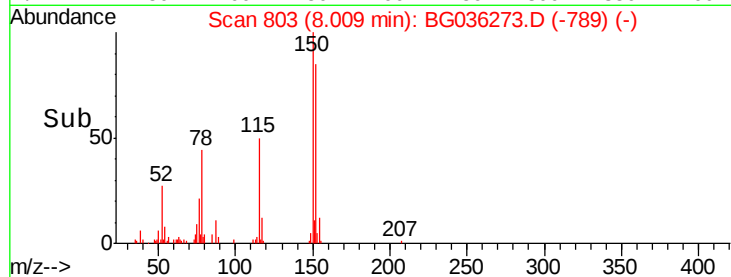
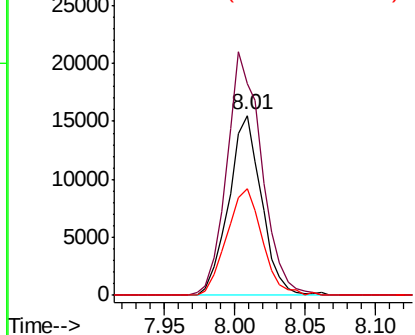
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036273.D
Acq: 10 Aug 2018 18:43

Instrument :
BNA_G
ClientSampleId :
MW-102S

Tgt Ion:152 Resp: 25097
Ion Ratio Lower Upper
152 100
150 118.0 126.6 189.8#
115 59.2 53.0 79.4



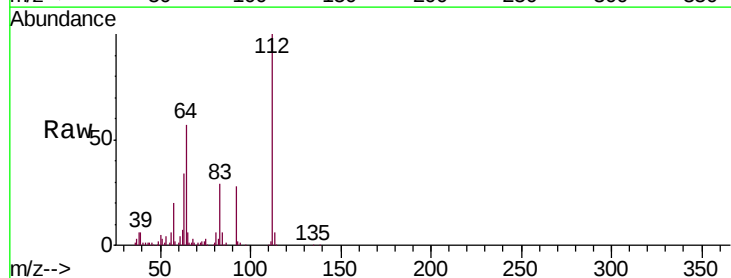
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



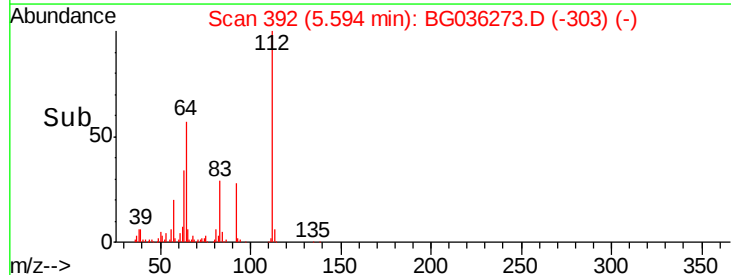
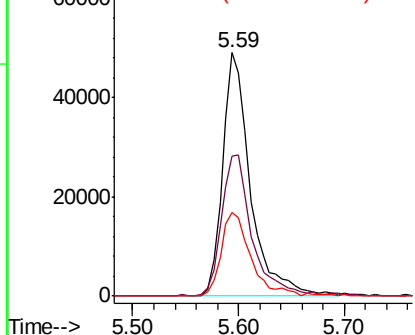
#5

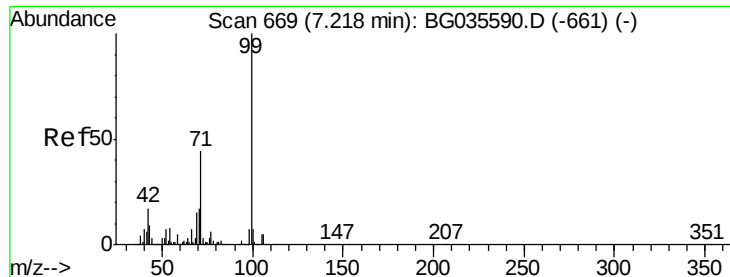
2-Fluorophenol
Concen: 59.180 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036273.D
Acq: 10 Aug 2018 18:43

Tgt Ion:112 Resp: 89460
Ion Ratio Lower Upper
112 100
64 57.2 56.3 84.5
63 34.2 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: 32.781 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Instrument :

BNA_G

ClientSampleId :

MW-102S

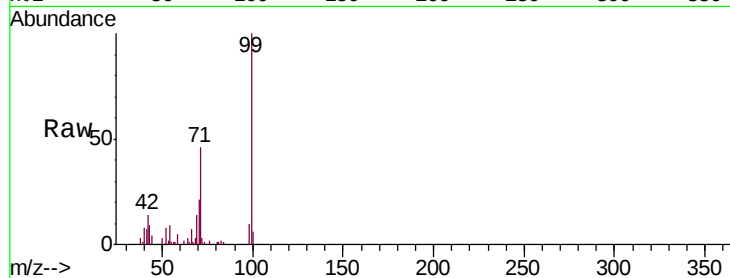
Tgt Ion: 99 Resp: 73933

Ion Ratio Lower Upper

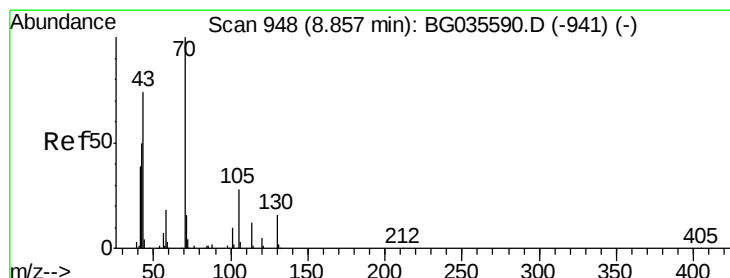
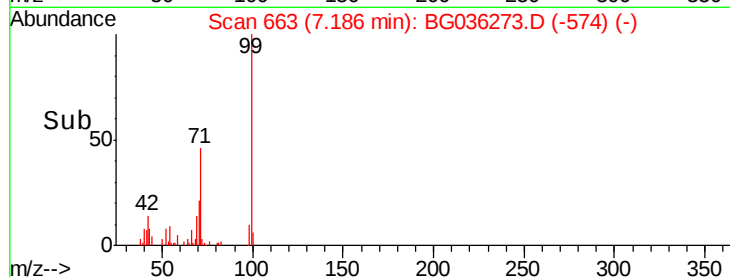
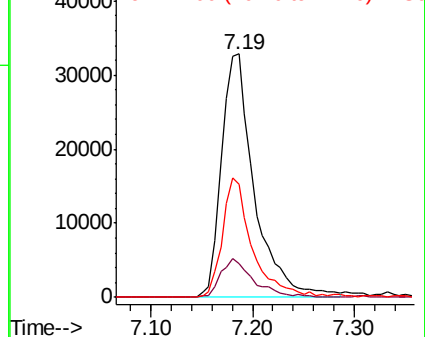
99 100

42 13.9 14.1 21.1#

71 46.4 26.1 39.1#



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: 15.649 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Tgt Ion: 70 Resp: 29721

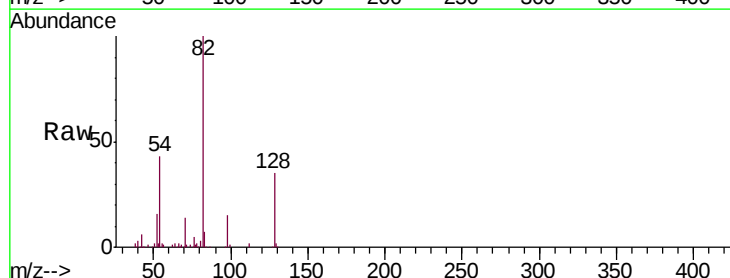
Ion Ratio Lower Upper

70 100

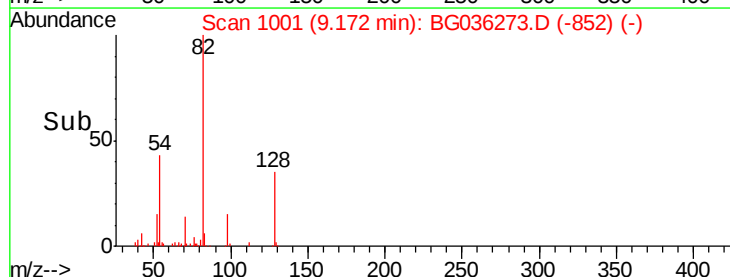
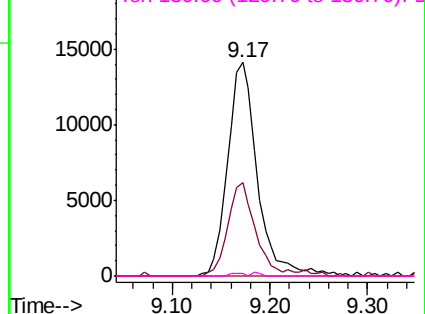
42 44.0 49.1 73.7#

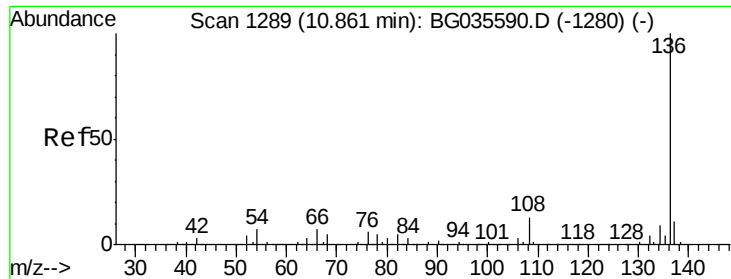
101 0.0 8.5 12.7#

130 1.2 13.4 20.0#



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

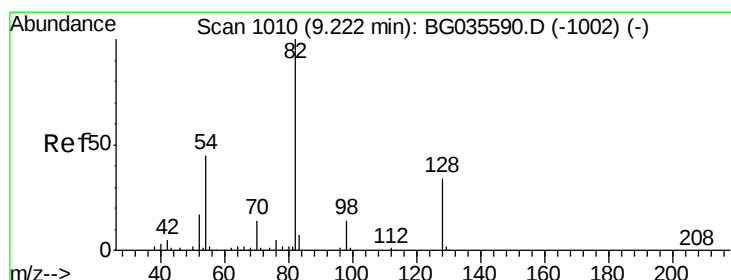
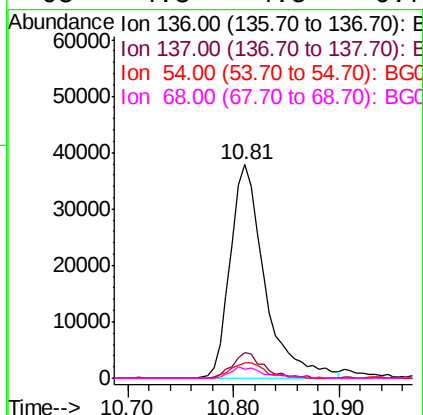
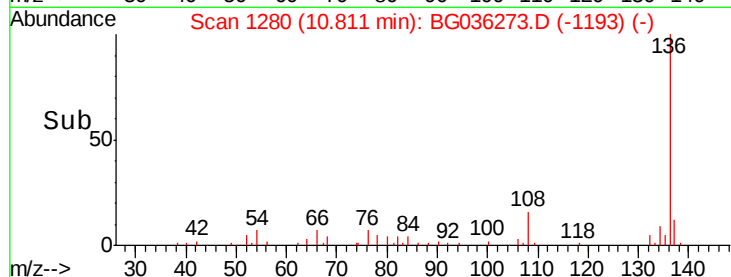
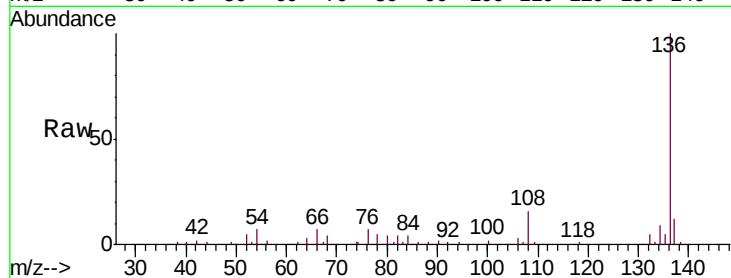




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036273.D
Acq: 10 Aug 2018 18:43

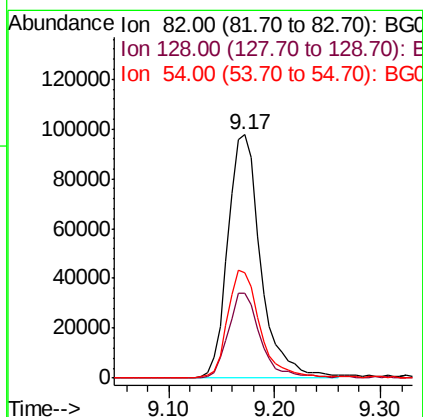
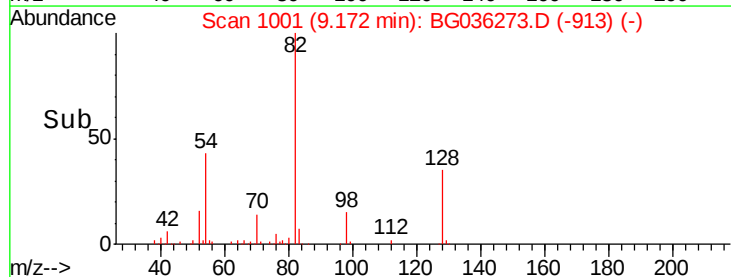
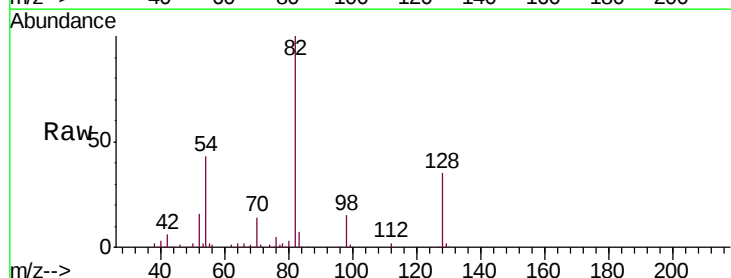
Instrument :
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MW-102S

Tgt Ion:	136	Resp:	85451
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	6.9	10.3	15.5#
68	4.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 102.945 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036273.D
Acq: 10 Aug 2018 18:43

Tgt Ion:	82	Resp:	210576
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	43.1	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1930

Delta R.T. -0.02 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Instrument :

BNA_G

ClientSampleId :

MW-102S

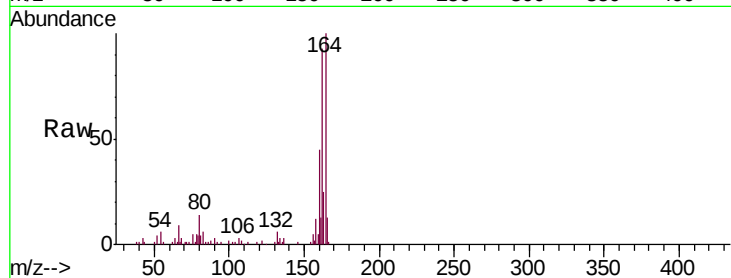
Tgt Ion:164 Resp: 66537

Ion Ratio Lower Upper

164 100

162 92.8 78.8 118.2

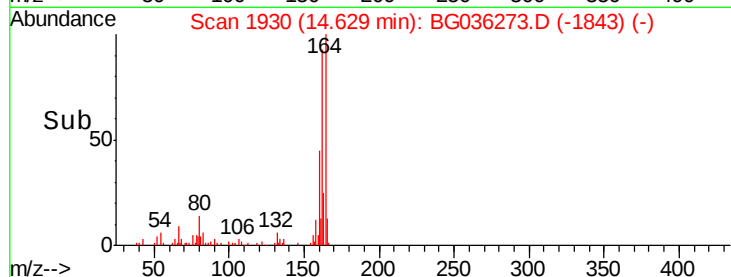
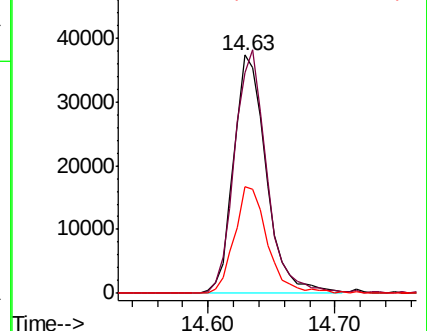
160 44.7 35.4 53.0



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: 168.759 ng

RT: 16.12 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

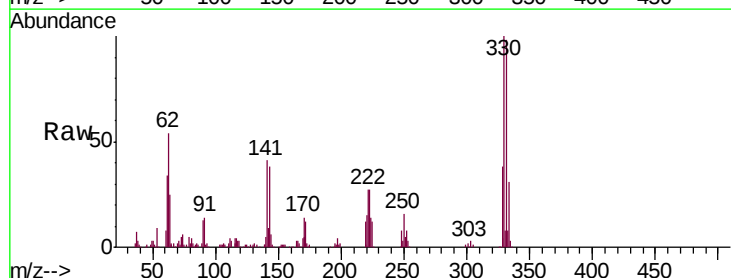
Tgt Ion:330 Resp: 148002

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

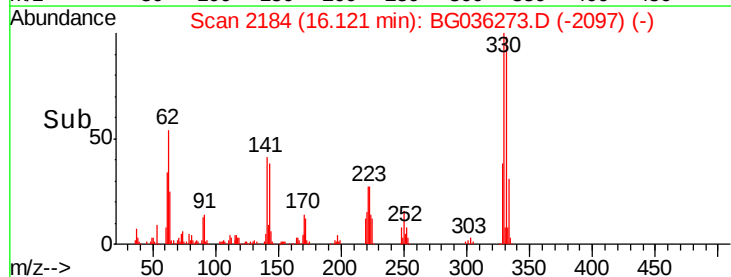
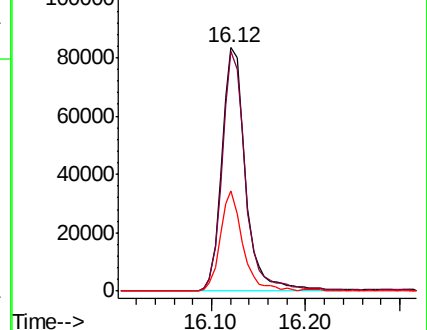
141 38.7 25.2 37.8#

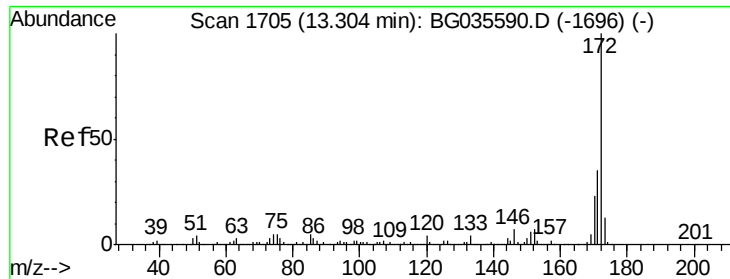


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

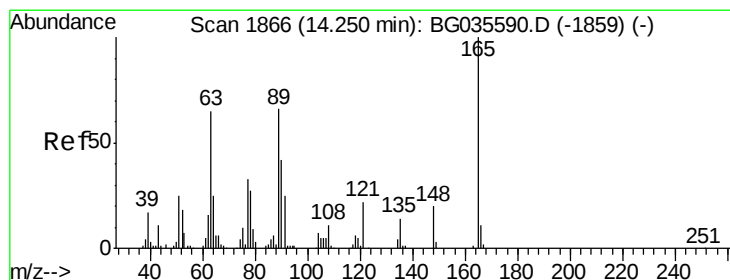
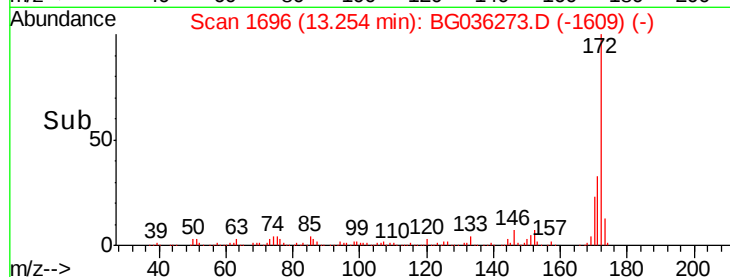
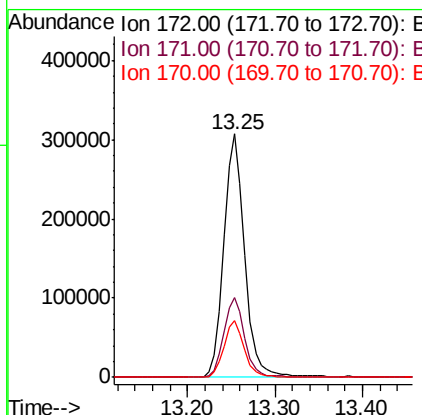
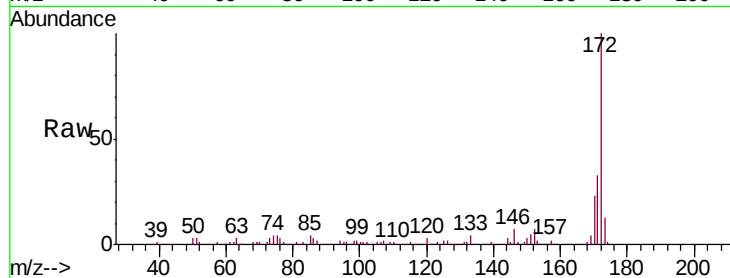




#44
 2-Fluorobiphenyl
 Concen: 101.797 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036273.D
 Acq: 10 Aug 2018 18:43

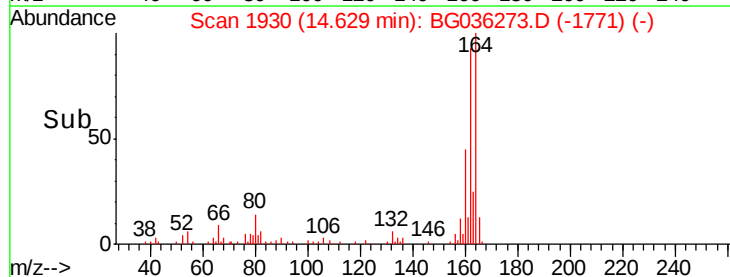
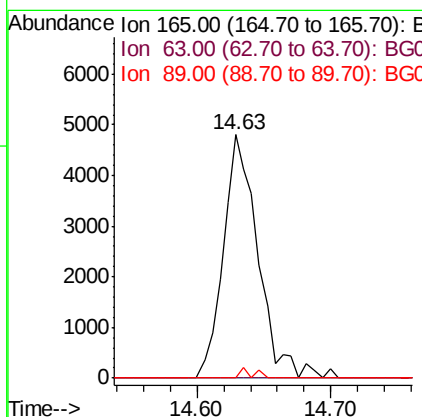
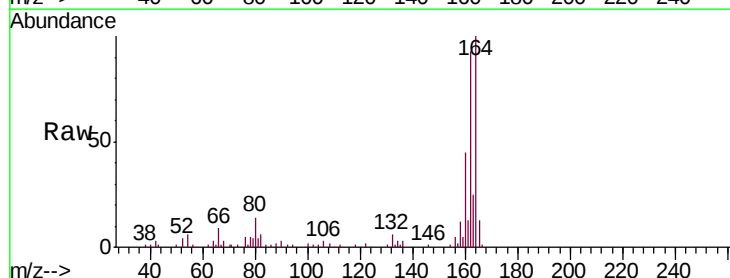
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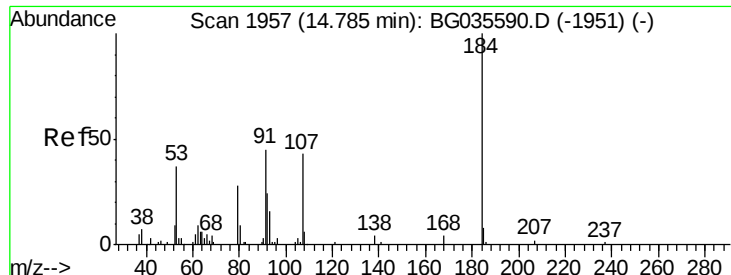
Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.8	30.0	45.0
170	23.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.347 ng
 RT: 14.63 min Scan# 1930
 Delta R.T. 0.40 min
 Lab File: BG036273.D
 Acq: 10 Aug 2018 18:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#





#53

2,4-Dinitrophenol

Concen: 6.669 ng

RT: 14.80 min Scan# 1959

Delta R.T. 0.04 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Instrument :

BNA_G

ClientSampleId :

MW-102S

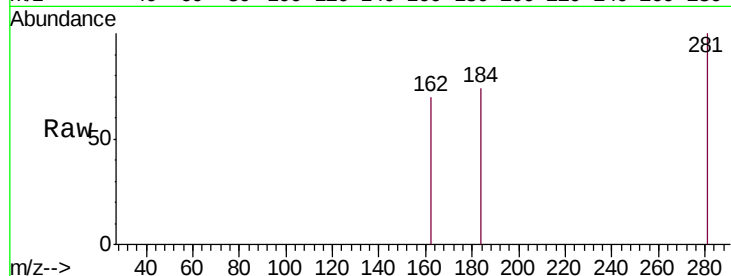
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

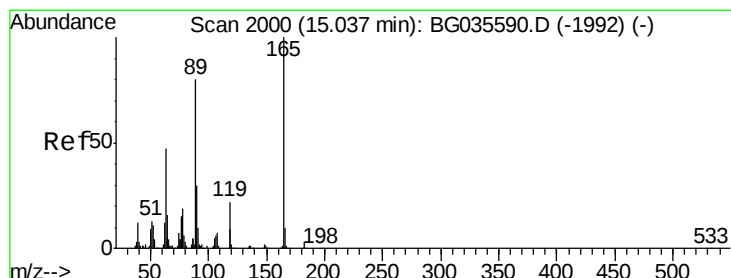
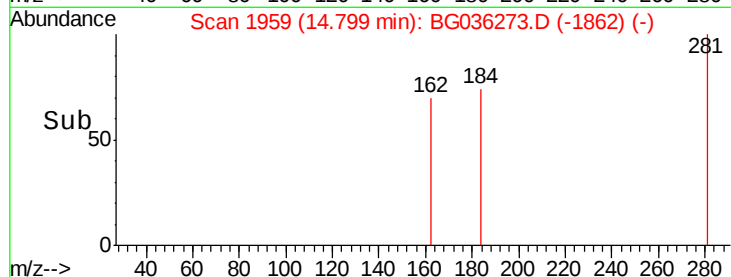
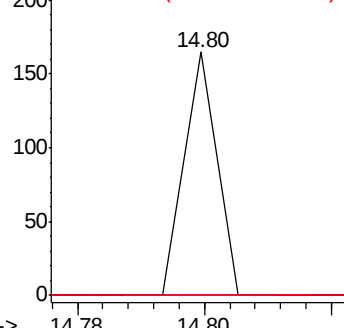
154 0.0 101.8 152.8#



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: 5.121 ng

RT: 14.63 min Scan# 1930

Delta R.T. -0.39 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Tgt Ion:165 Resp: 8721

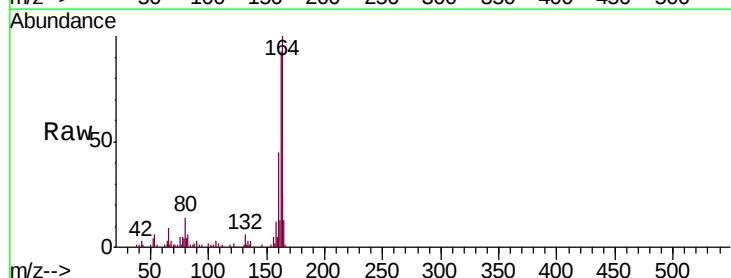
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

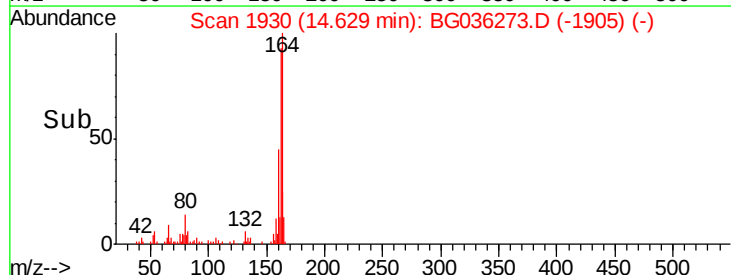
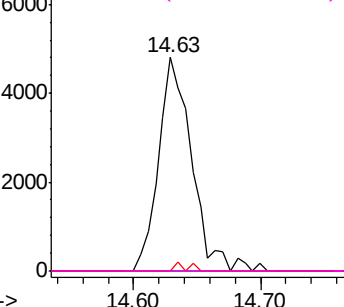


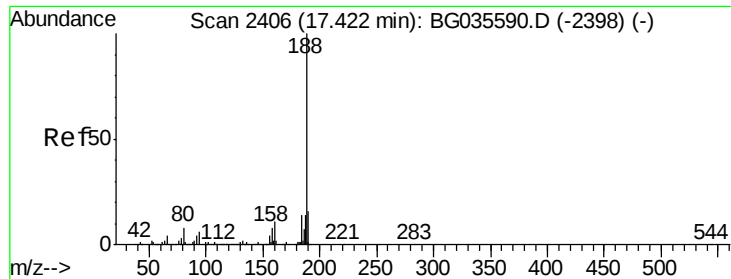
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

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MW-102S

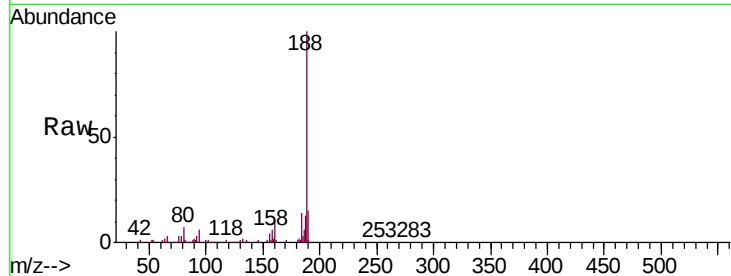
Tgt Ion:188 Resp: 178813

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

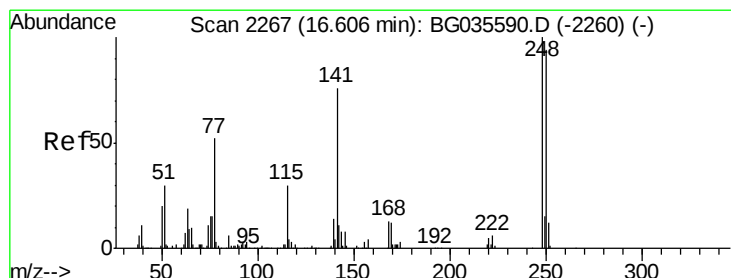
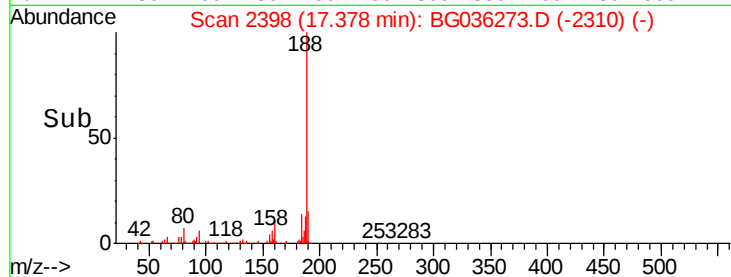
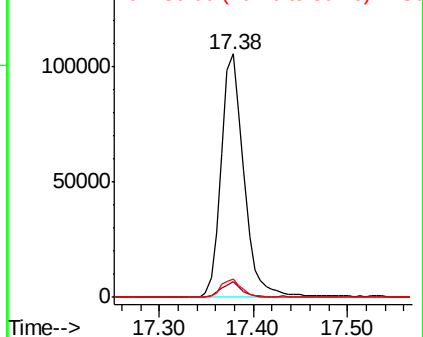
80 7.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.916 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

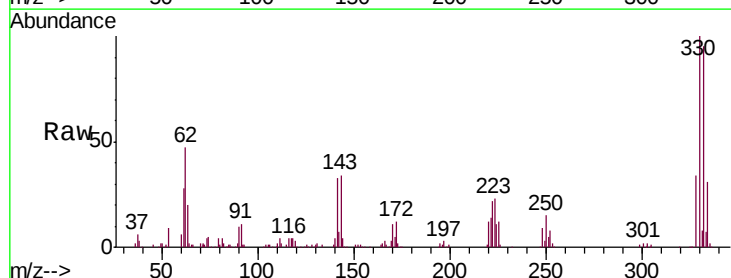
Tgt Ion:248 Resp: 12273

Ion Ratio Lower Upper

248 100

250 164.3 77.1 115.7#

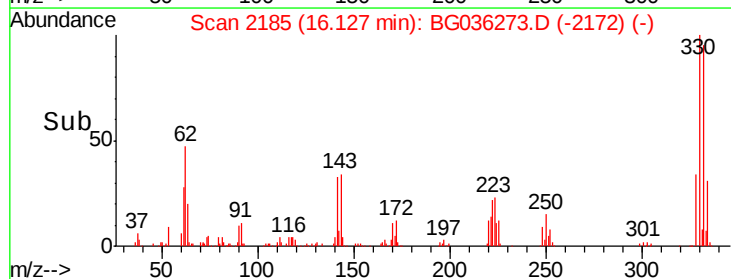
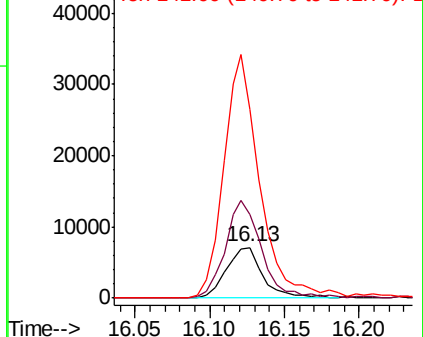
141 370.6 50.8 76.2#



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# 3123

Delta R.T. -0.02 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Instrument :

BNA_G

ClientSampleId :

MW-102S

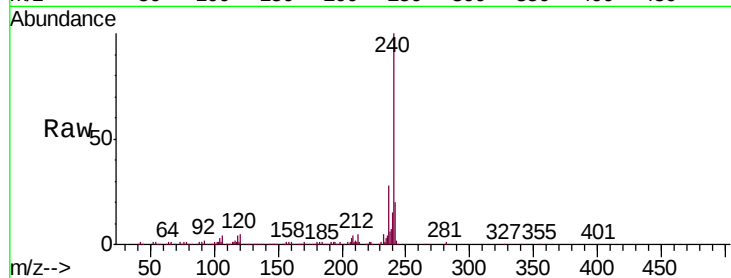
Tgt Ion:240 Resp: 190819

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

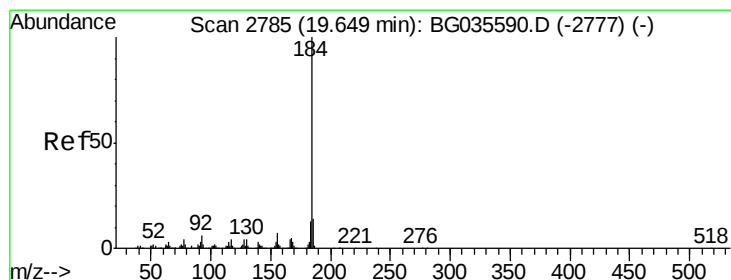
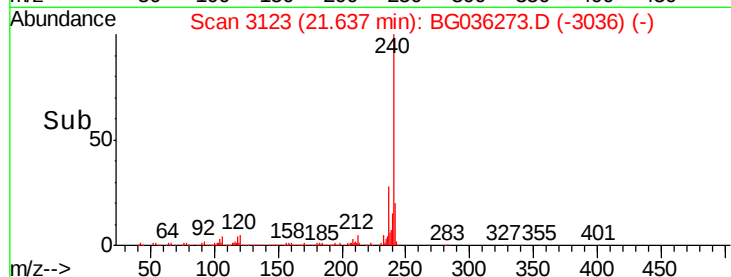
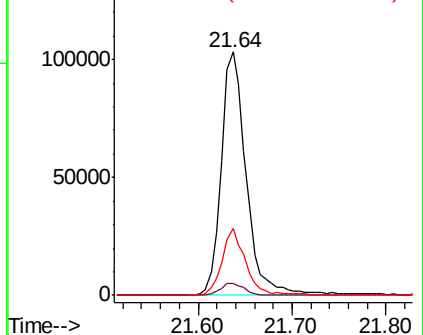
236 27.5 20.9 31.3



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: 3.424 ng

RT: 19.98 min Scan# 2841

Delta R.T. 0.35 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

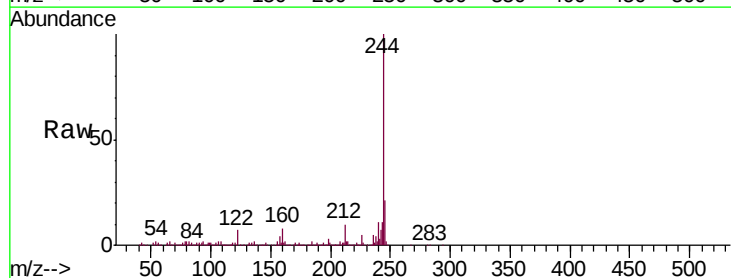
Tgt Ion:184 Resp: 17176

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

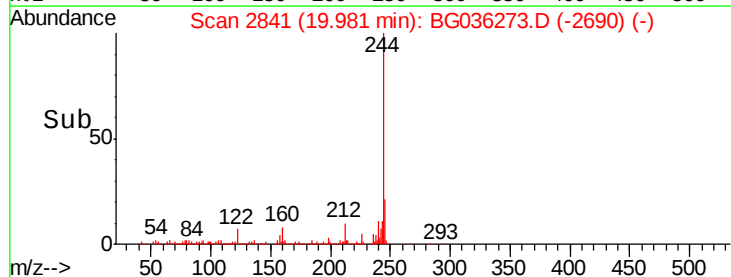
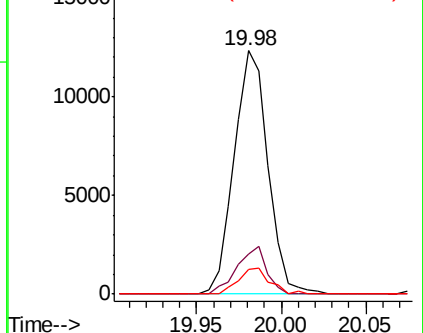
183 9.9 10.6 16.0#

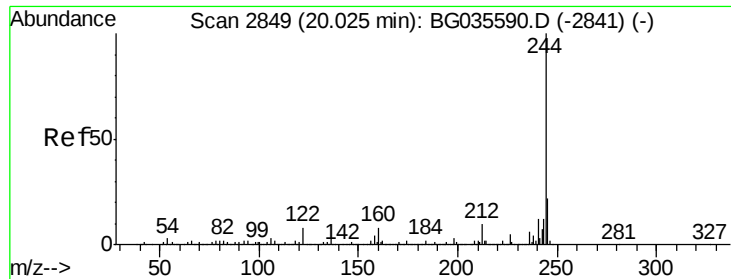


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 110.718 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

Instrument :

BNA_G

ClientSampleId :

MW-102S

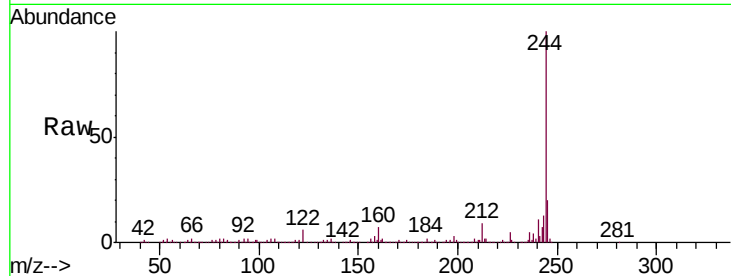
Tgt Ion:244 Resp: 958451

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

122 5.7 7.0 10.4#

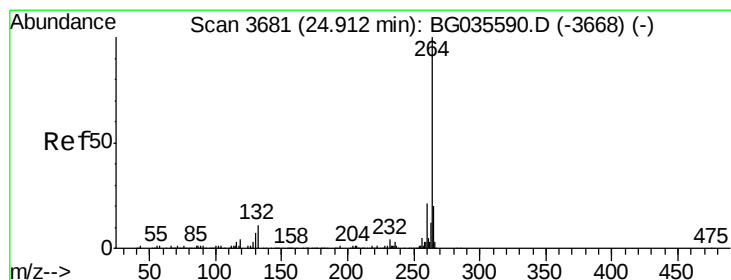
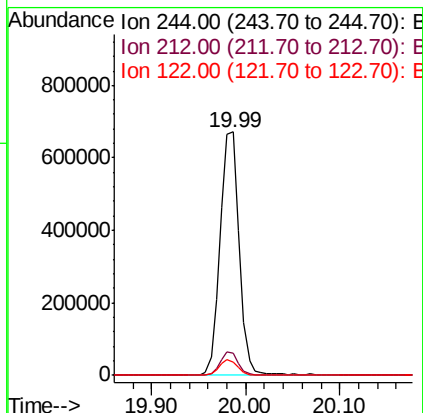
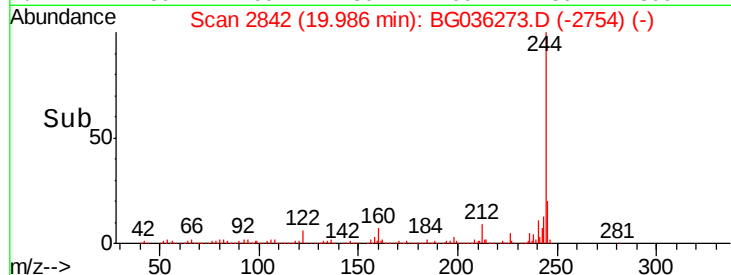


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.99



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3665

Delta R.T. -0.04 min

Lab File: BG036273.D

Acq: 10 Aug 2018 18:43

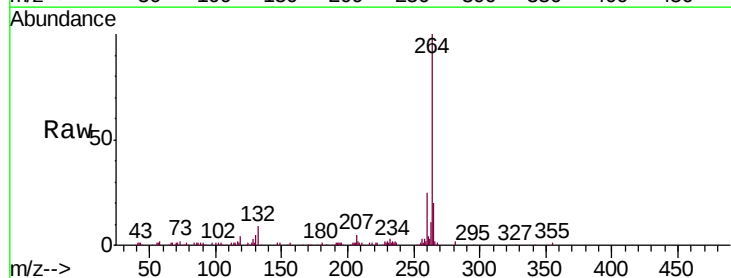
Tgt Ion:264 Resp: 177310

Ion Ratio Lower Upper

264 100

260 25.4 17.4 26.0

265 20.0 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

24.82

