

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072618\
 Data File : BG035921.D
 Acq On : 26 Jul 2018 23:06
 Operator : JU/SJ
 Sample : J4163-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-13B

Quant Time: Jul 27 01:28:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

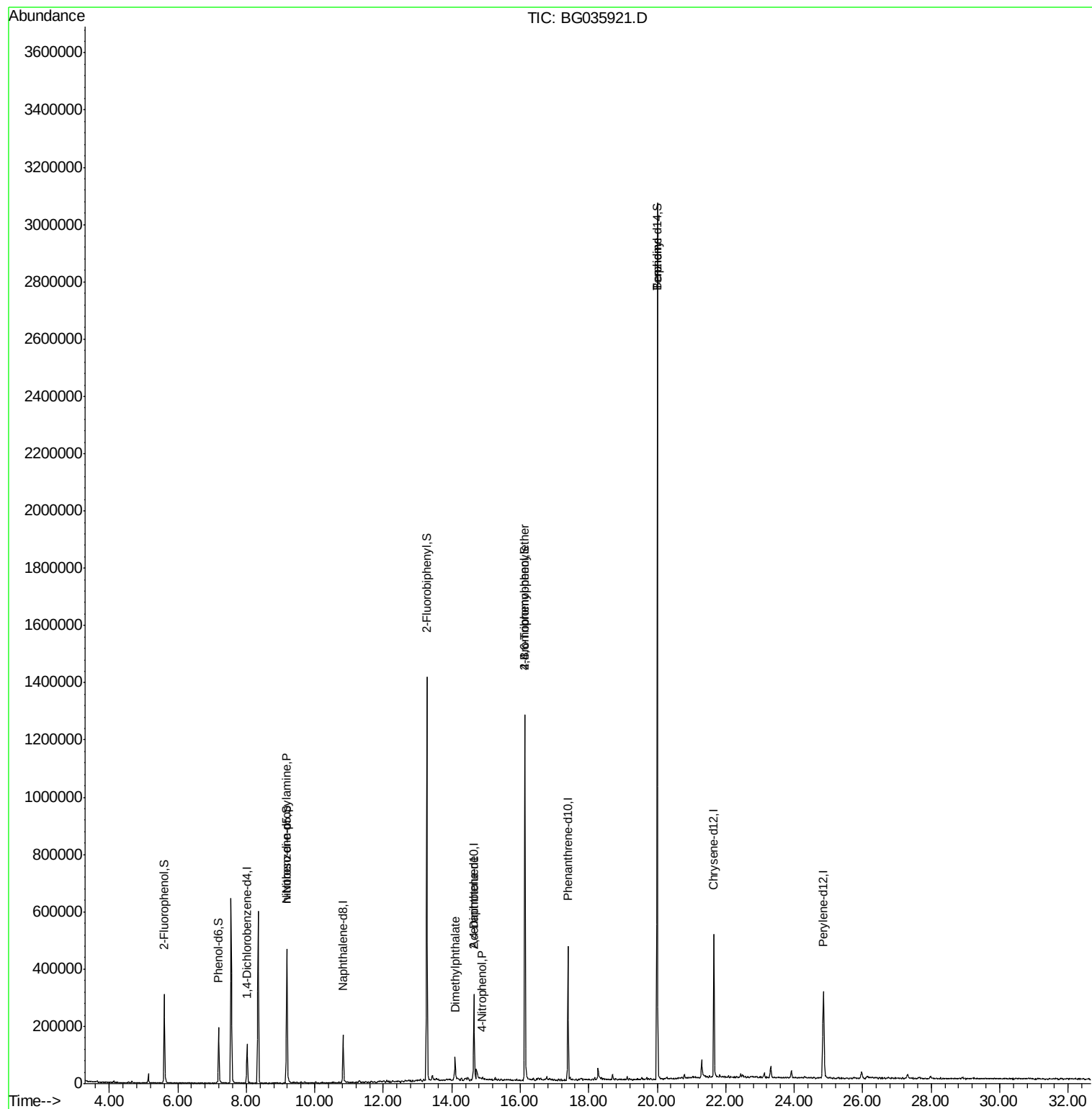
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37972	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	147508	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	106830	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	301312	20.00	ng	0.00
75) Chrysene-d12	21.65	240	331499	20.00	ng	0.00
86) Perylene-d12	24.85	264	316207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	146571	64.08	ng	0.00
7) Phenol-d6	7.19	99	128504	37.66	ng	0.00
23) Nitrobenzene-d5	9.19	82	325268	92.12	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	232495	165.11	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	780101	97.83	ng	0.00
78) Terphenyl-d14	20.00	244	1428559	94.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	45131	15.706	ng	Qvalue 66
49) Dimethylphthalate	14.10	163	58516	6.252	ng	100
55) 4-Nitrophenol	14.89	139	2927	2.110	ng	# 13
56) 2,4-Dinitrotoluene	14.64	165	15226	5.568	ng	# 20
66) 4-Bromophenyl-phenylether	16.14	248	18558	5.309	ng	# 1
76) Benzidine	20.00	184	25900	2.972	ng	# 91

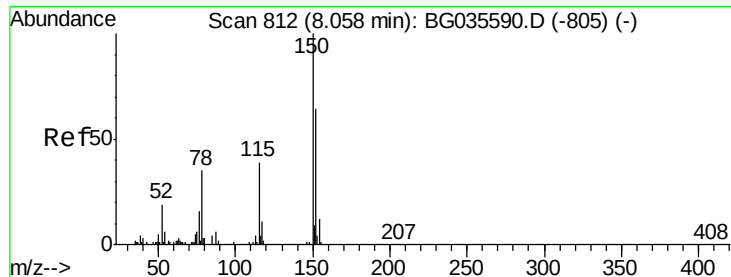
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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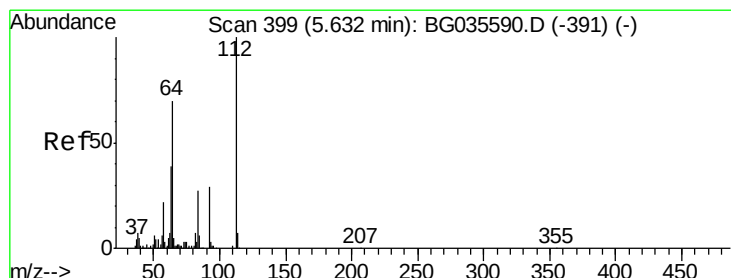
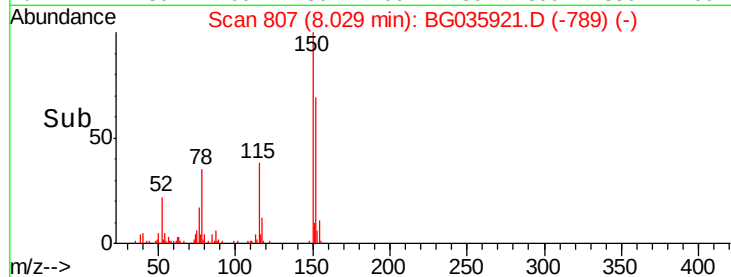
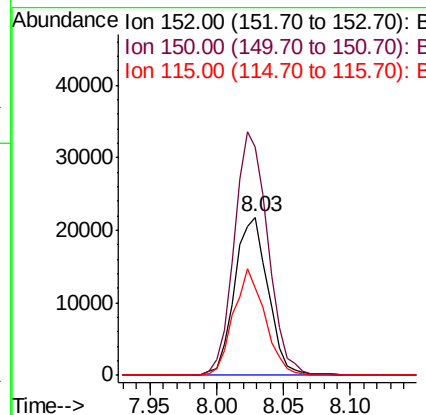
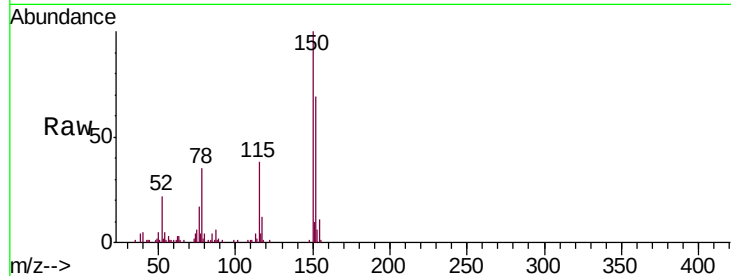


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035921.D
Acq: 26 Jul 2018 23:06

Instrument :
BNA_G
ClientSampleId :
MW-13B

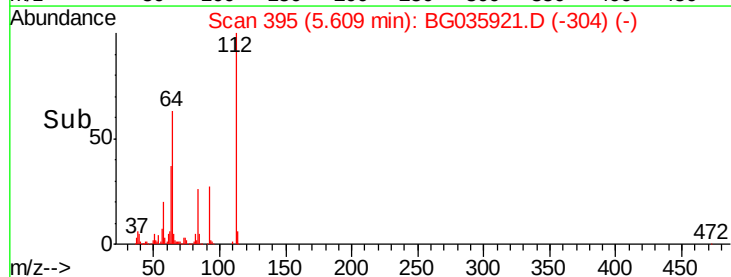
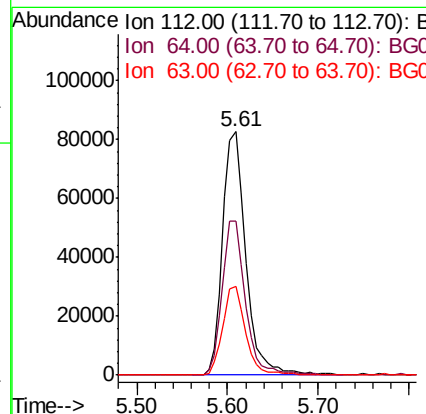
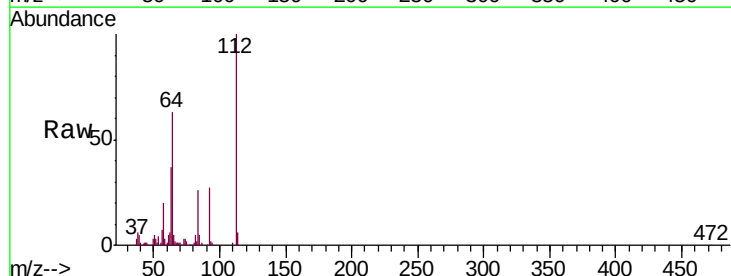
Tgt Ion:152 Resp: 37972
Ion Ratio Lower Upper
152 100
150 144.0 126.6 189.8
115 55.2 53.0 79.4

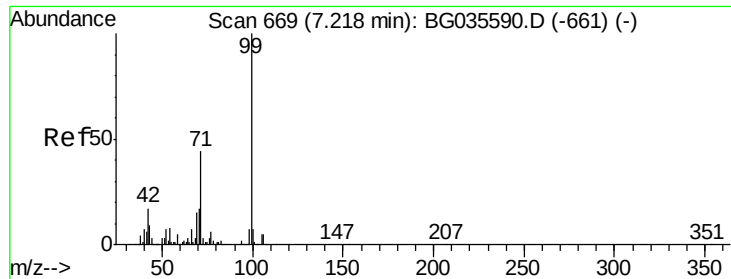


#5

2-Fluorophenol
Concen: 64.085 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035921.D
Acq: 26 Jul 2018 23:06

Tgt Ion:112 Resp: 146571
Ion Ratio Lower Upper
112 100
64 63.2 56.3 84.5
63 36.6 30.1 45.1





#7

Phenol-d6

Concen: 37.658 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

BNA_G

ClientSampleId :

MW-13B

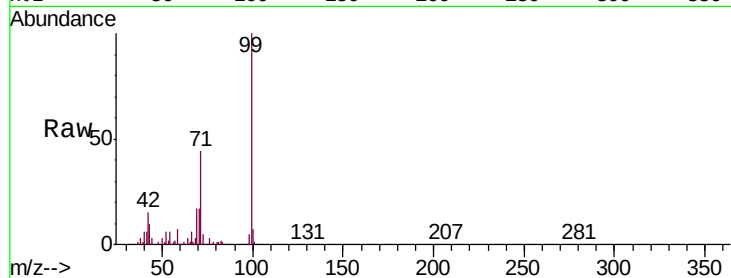
Tgt Ion: 99 Resp: 128504

Ion Ratio Lower Upper

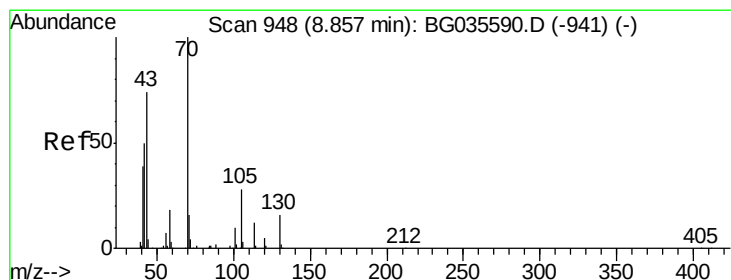
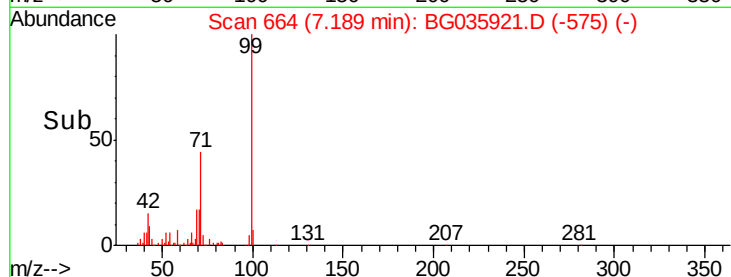
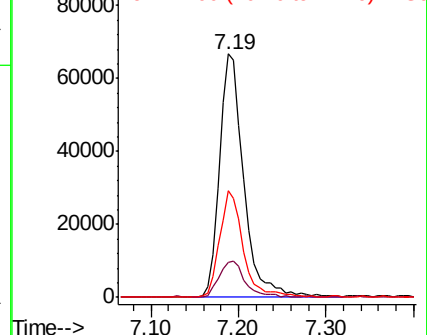
99 100

42 14.6 14.1 21.1

71 43.6 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: 15.706 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

Tgt Ion: 70 Resp: 45131

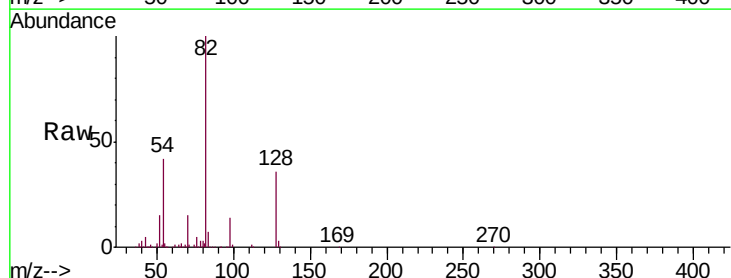
Ion Ratio Lower Upper

70 100

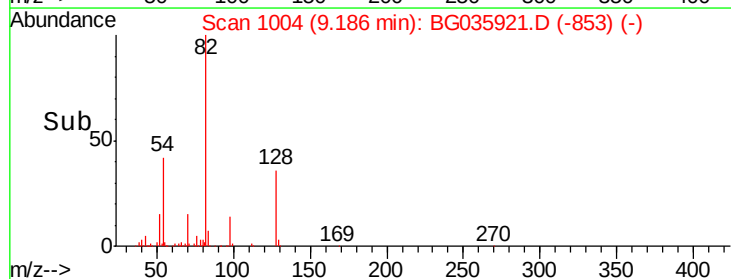
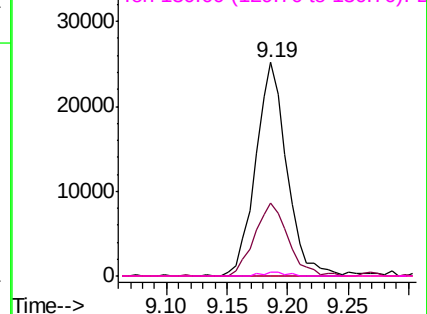
42 34.2 49.1 73.7#

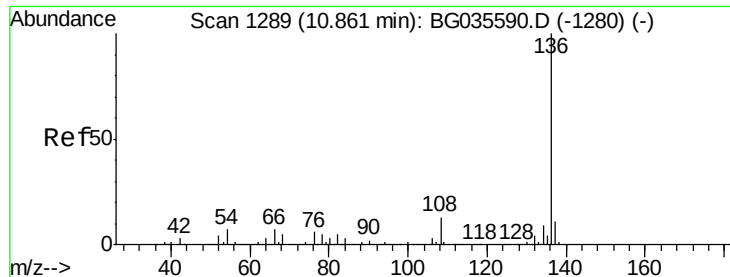
101 0.0 8.5 12.7#

130 1.9 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

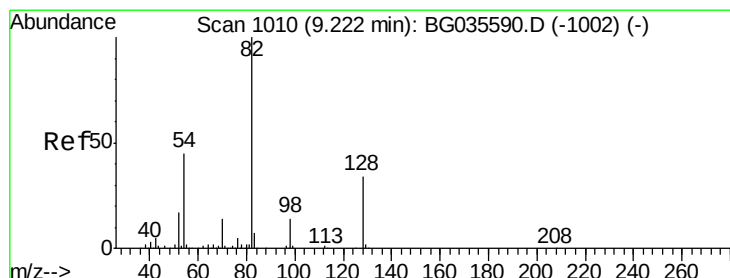
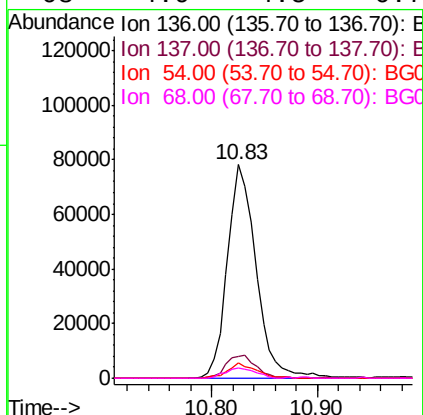
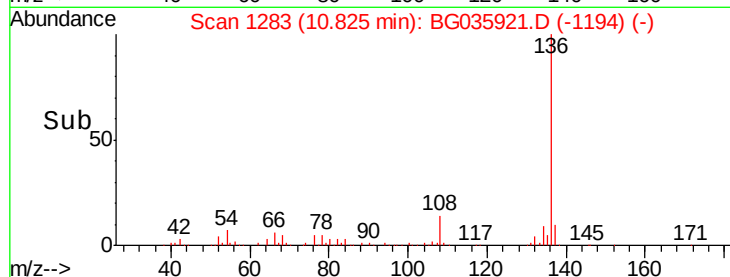
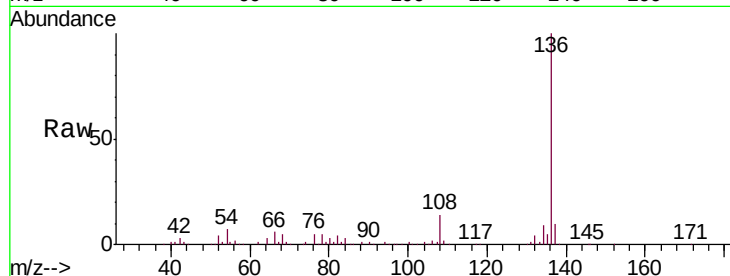




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035921.D
Acq: 26 Jul 2018 23:06

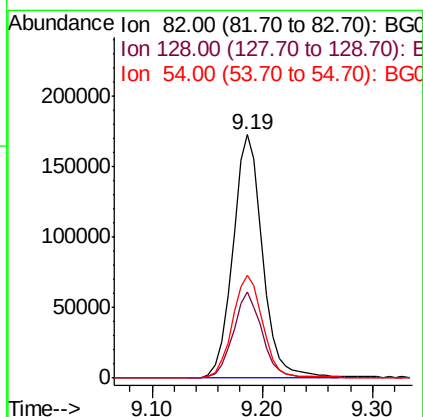
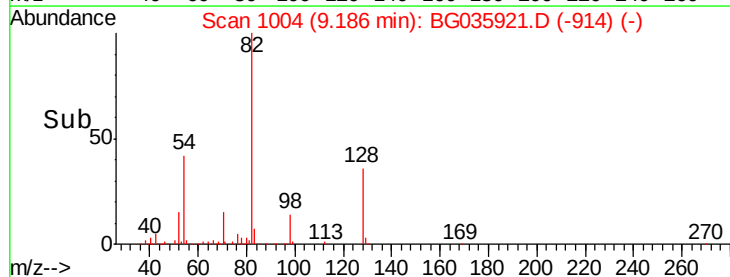
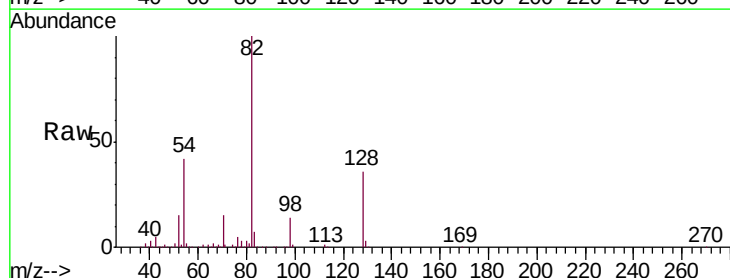
Instrument :
BNA_G
ClientSampleId :
MW-13B

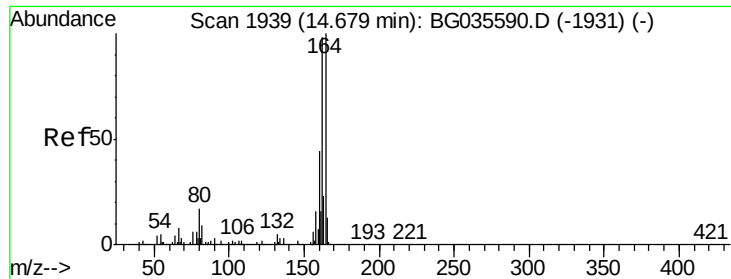
Tgt Ion:	136	Resp:	147508
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	7.0	10.3	15.5#
68	4.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 92.117 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035921.D
Acq: 26 Jul 2018 23:06

Tgt Ion:	82	Resp:	325268
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	42.0	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: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

BNA_G

ClientSampleId :

MW-13B

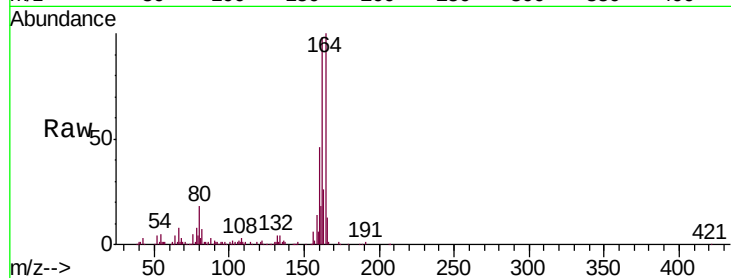
Tgt Ion:164 Resp: 106830

Ion Ratio Lower Upper

164 100

162 98.1 78.8 118.2

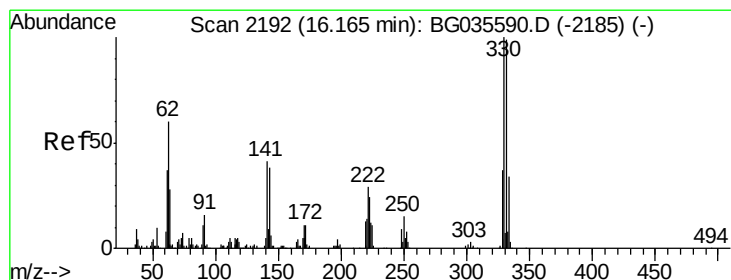
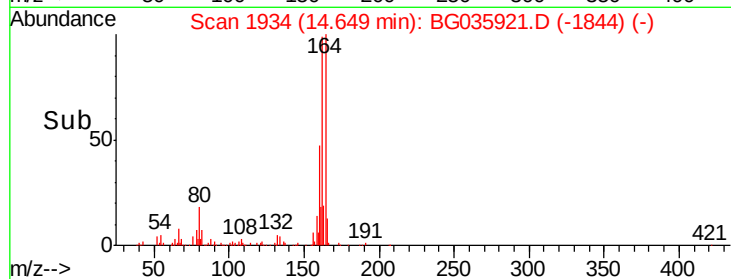
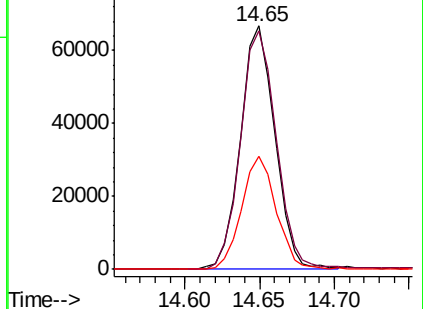
160 46.5 35.4 53.0



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: 165.114 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

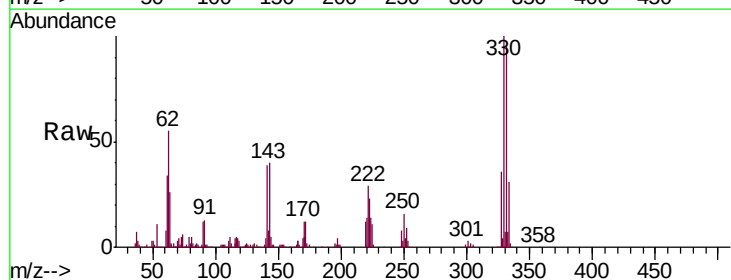
Tgt Ion:330 Resp: 232495

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

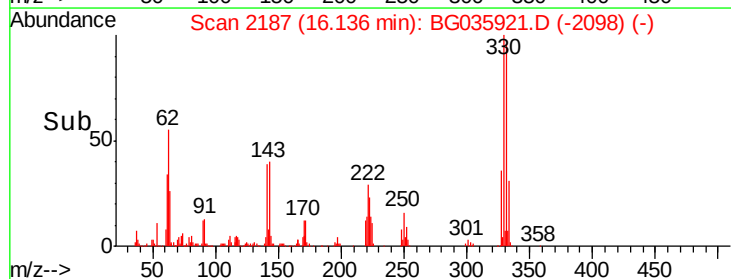
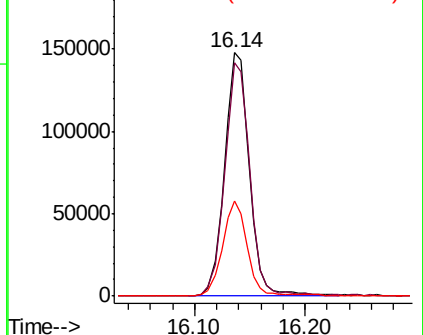
141 39.1 25.2 37.8#

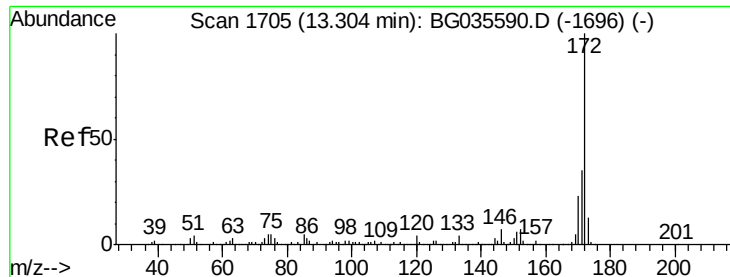


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

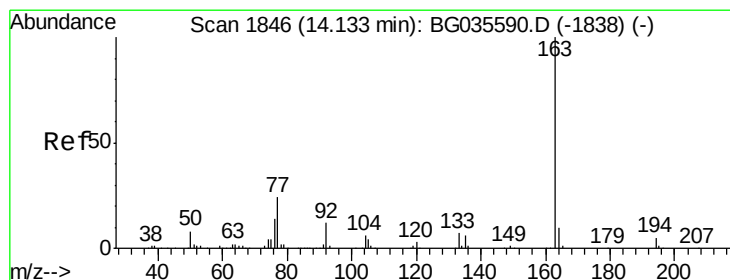
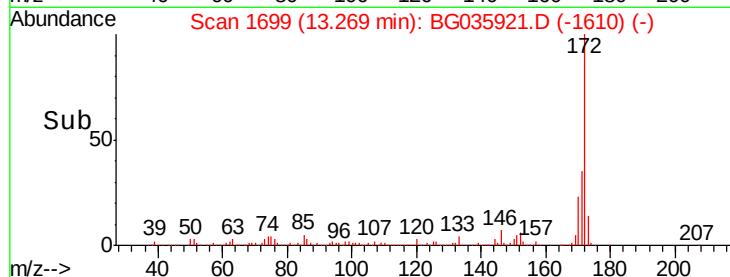
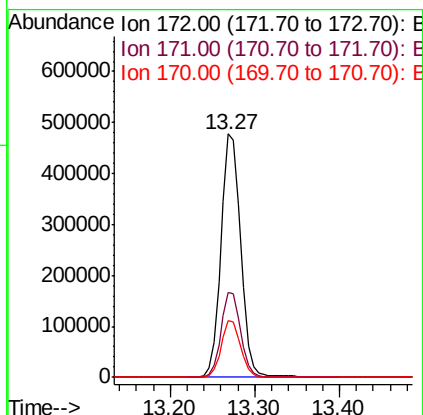
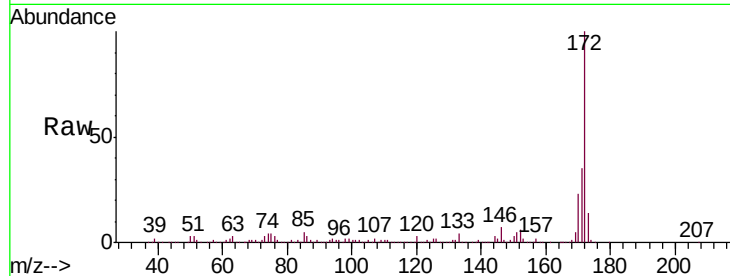




#44
 2-Fluorobiphenyl
 Concen: 97.831 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG035921.D
 Acq: 26 Jul 2018 23:06

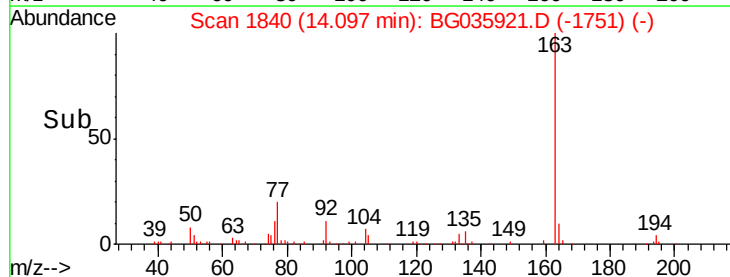
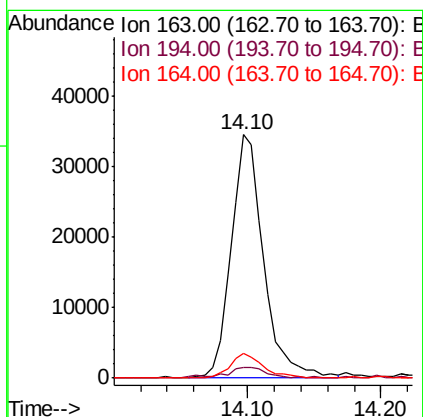
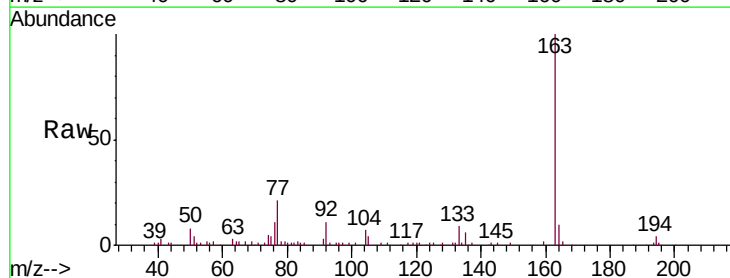
Instrument :
 BNA_G
 ClientSampleId :
 MW-13B

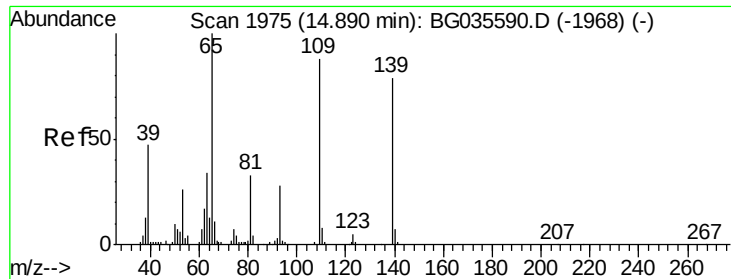
Tgt Ion:172 Resp: 780101
 Ion Ratio Lower Upper
 172 100
 171 34.9 30.0 45.0
 170 23.2 19.5 29.3



#49
 Dimethylphthalate
 Concen: 6.252 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG035921.D
 Acq: 26 Jul 2018 23:06

Tgt Ion:163 Resp: 58516
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.2
 164 10.1 8.2 12.4





#55

4-Nitrophenol

Concen: 2.110 ng

RT: 14.89 min Scan# 1975

Delta R.T. 0.02 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

BNA_G

ClientSampleId :

MW-13B

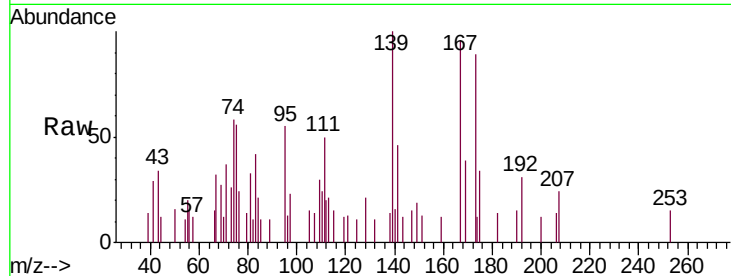
Tgt Ion:139 Resp: 2927

Ion Ratio Lower Upper

139 100

109 30.1 62.2 102.2#

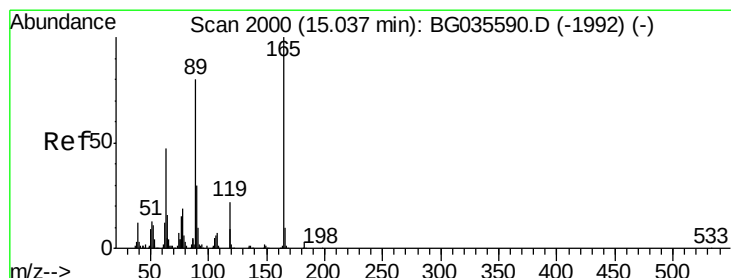
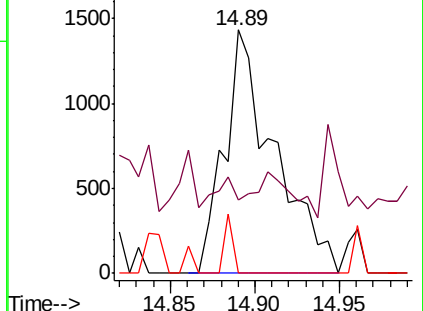
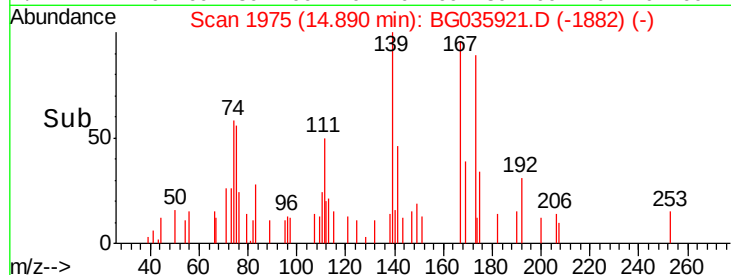
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.568 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

Tgt Ion:165 Resp: 15226

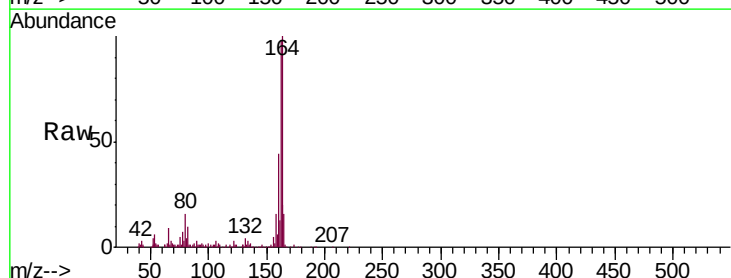
Ion Ratio Lower Upper

165 100

63 4.4 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

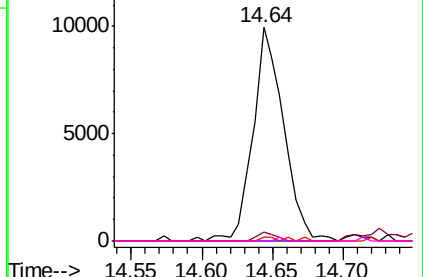
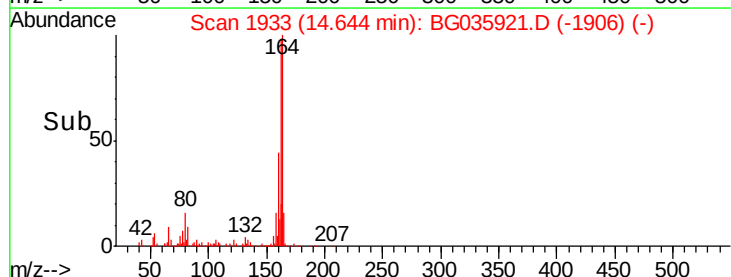


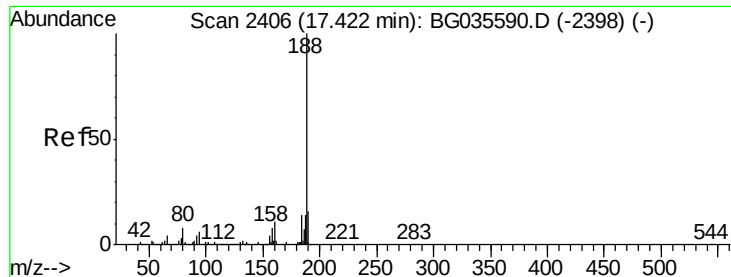
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

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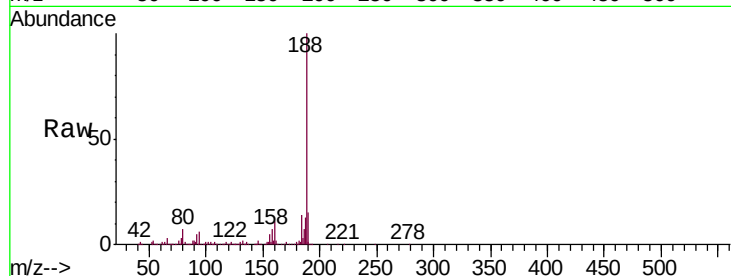
Tgt Ion:188 Resp: 301312

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

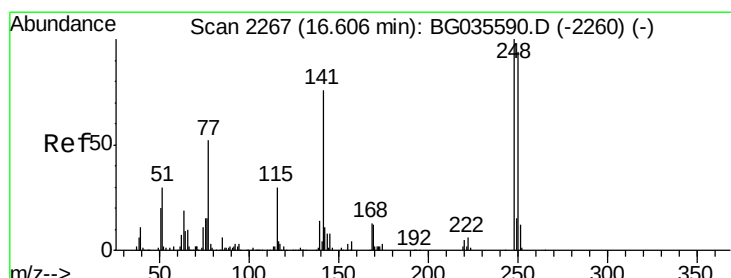
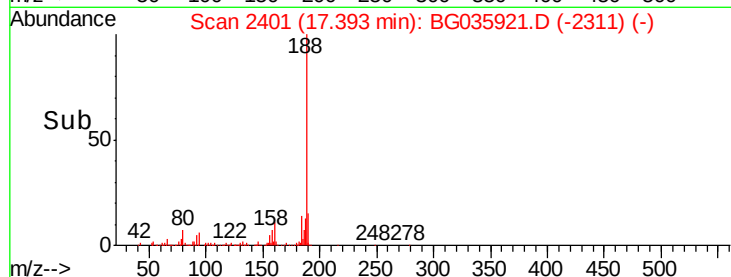
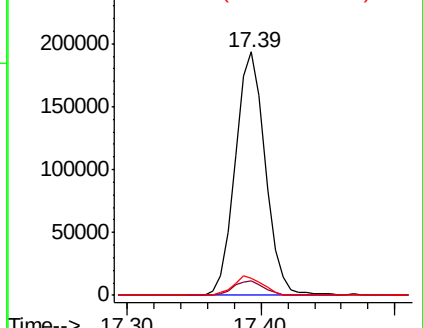
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.309 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

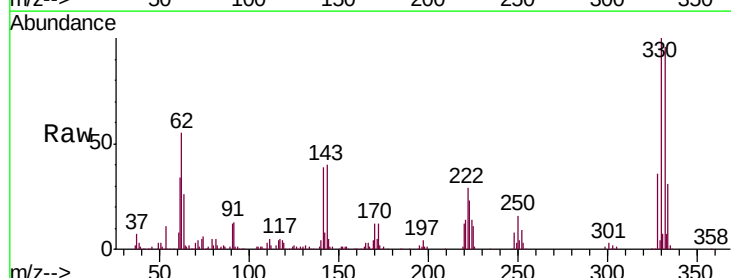
Tgt Ion:248 Resp: 18558

Ion Ratio Lower Upper

248 100

250 193.6 77.1 115.7#

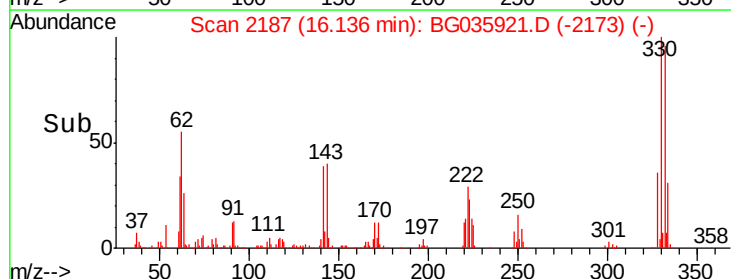
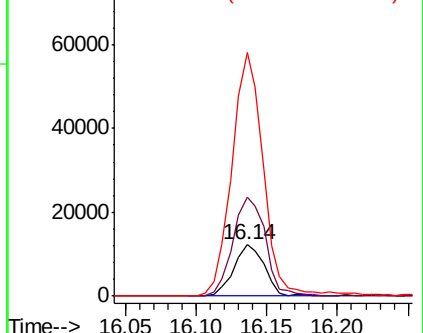
141 474.5 50.8 76.2#

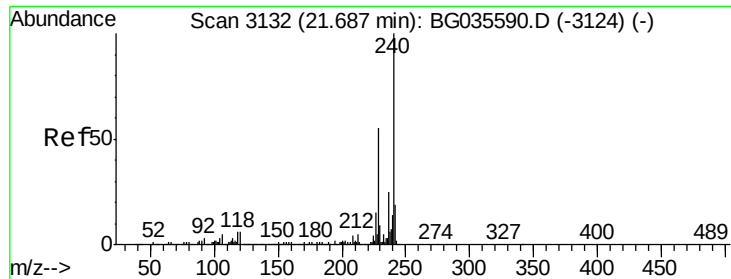


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

BNA_G

ClientSampled :

MW-13B

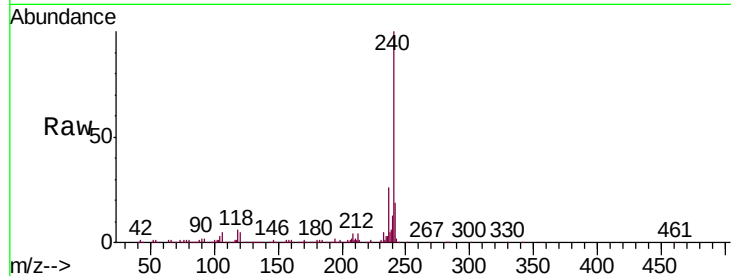
Tgt Ion:240 Resp: 331499

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

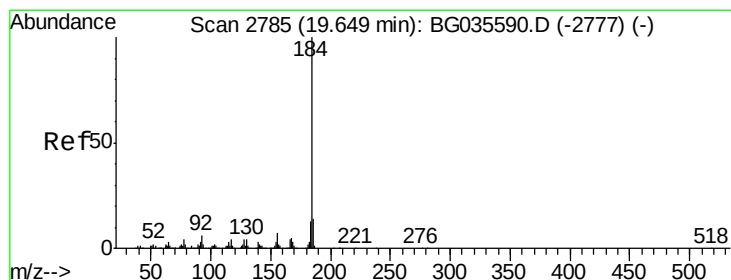
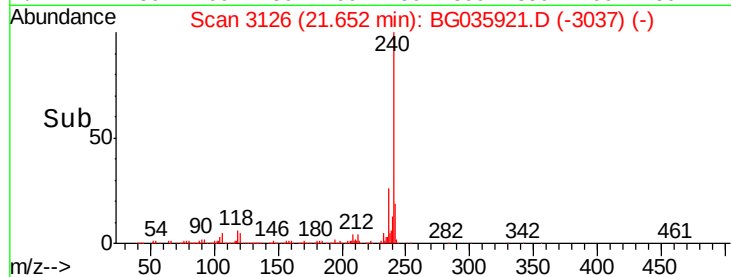
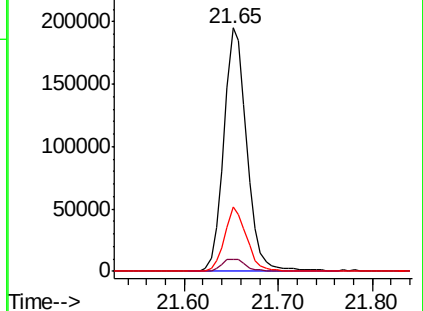
236 26.3 20.9 31.3



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: 2.972 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

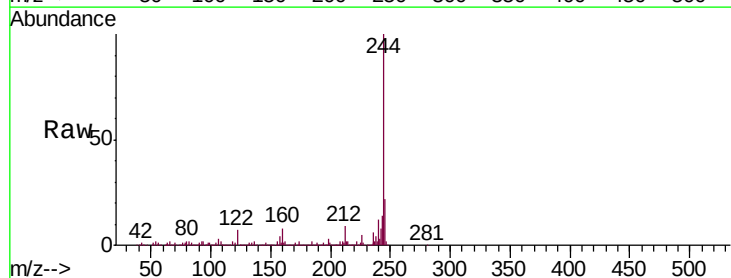
Tgt Ion:184 Resp: 25900

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

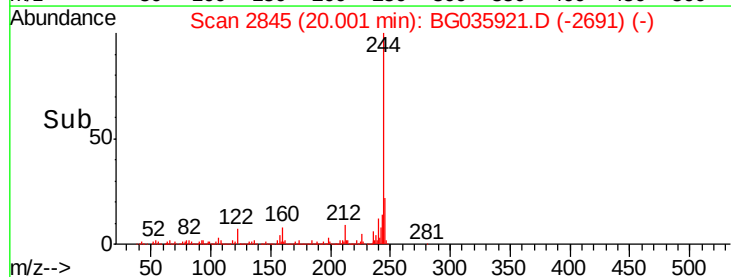
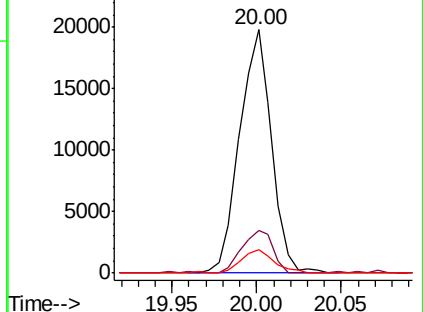
183 9.8 10.6 16.0#

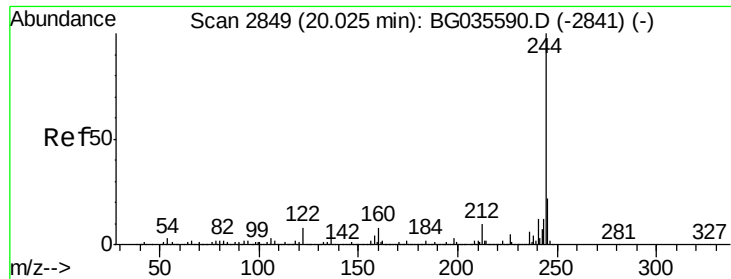


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.992 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

Instrument :

BNA_G

ClientSampleId :

MW-13B

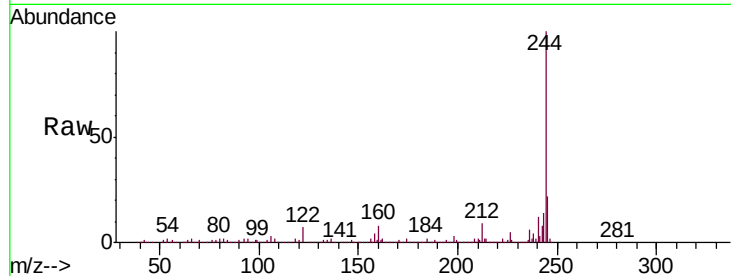
Tgt Ion:244 Resp: 1428559

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

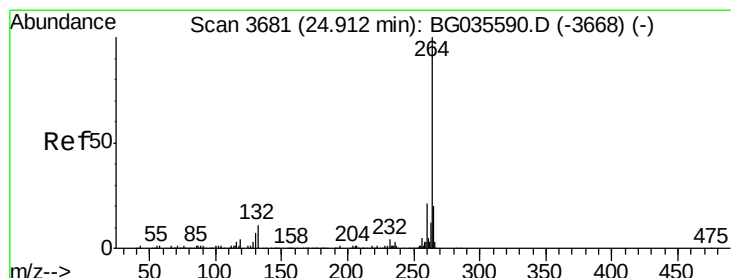
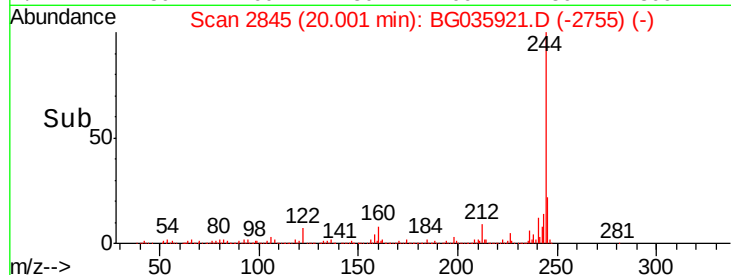
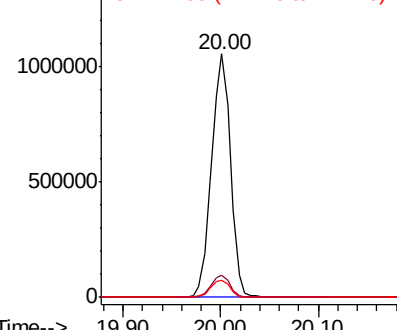
122 7.2 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG035921.D

Acq: 26 Jul 2018 23:06

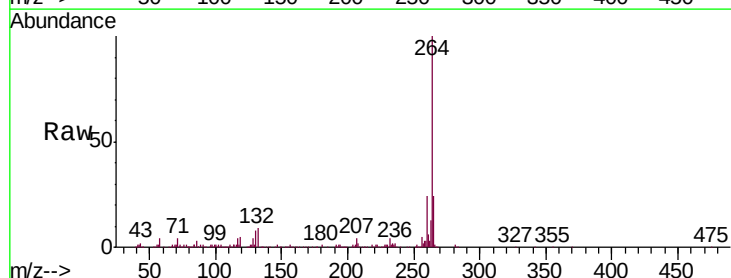
Tgt Ion:264 Resp: 316207

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 23.7 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

