

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011819\
 Data File : BG039224.D
 Acq On : 18 Jan 2019 20:32
 Operator : JU/SJ
 Sample : K1178-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-03

Quant Time: Jan 18 21:57:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

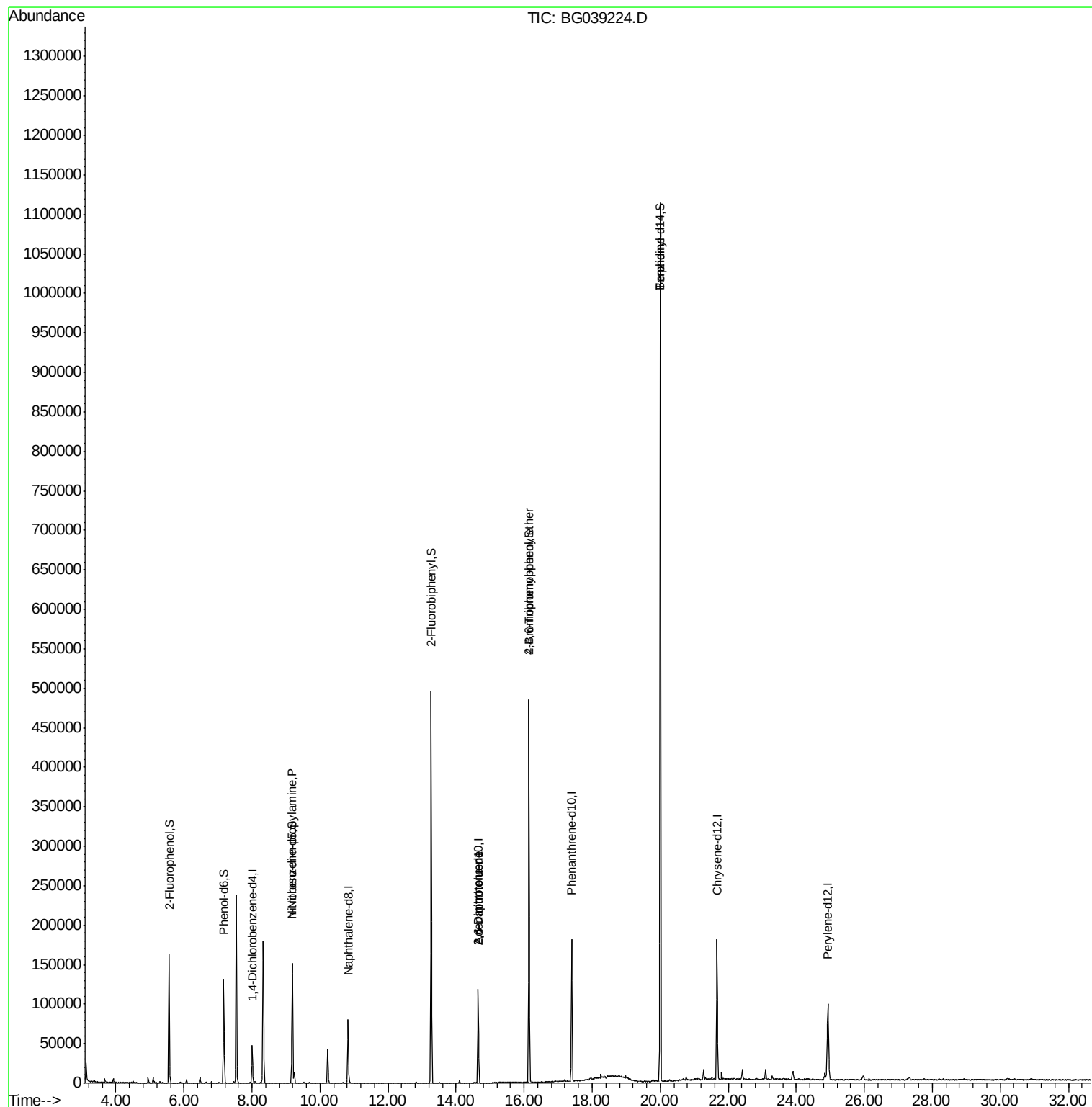
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	15022	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	73046	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	43272	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	114863	20.00	ng	0.00
76) Chrysene-d12	21.67	240	115564	20.00	ng	-0.01
87) Perylene-d12	24.93	264	123155	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	73883	93.30	ng	0.00
7) Phenol-d6	7.17	99	80349	70.50	ng	0.00
23) Nitrobenzene-d5	9.19	82	92439	69.25	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	102617	141.47	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	277805	87.86	ng	0.00
79) Terphenyl-d14	20.00	244	562683	90.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	12721	16.998	ng	# 67
51) 2,6-Dinitrotoluene	14.64	165	5687	6.956	ng	# 27
57) 2,4-Dinitrotoluene	14.64	165	5687	4.849	ng	# 29
67) 4-Bromophenyl-phenylether	16.14	248	6795	4.602	ng	# 1
77) Benzidine	20.00	184	9142	2.586	ng	97

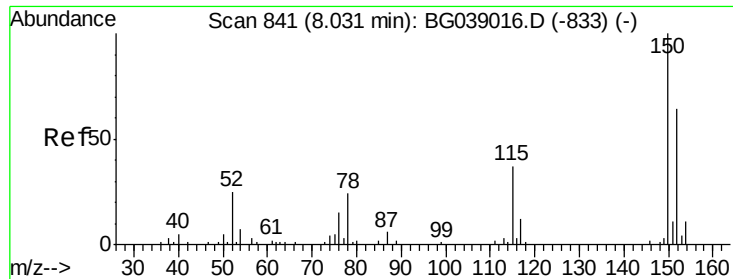
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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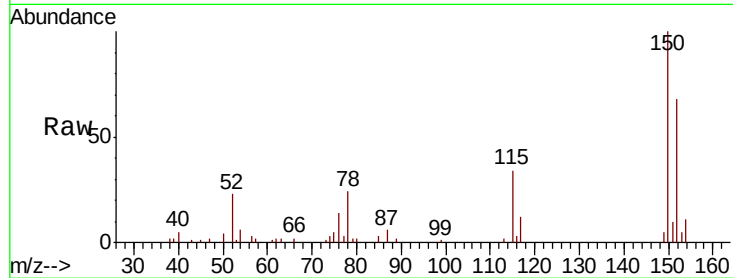


#1

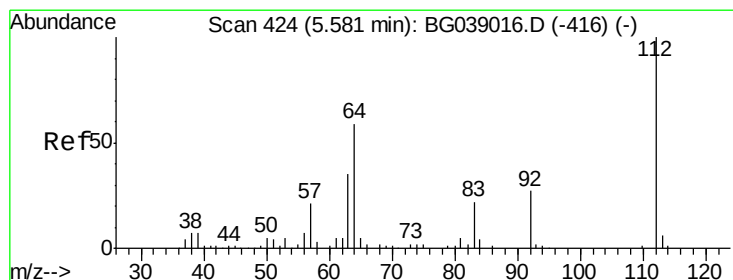
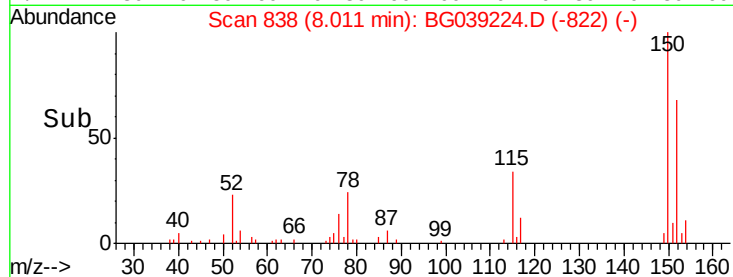
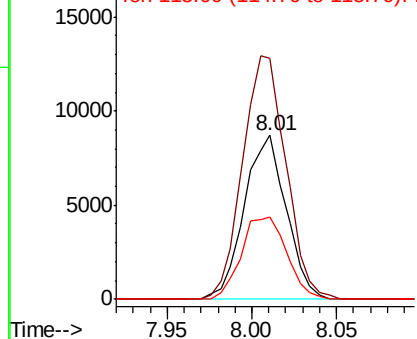
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039224.D
Acq: 18 Jan 2019 20:32

Instrument :
BNA_G
ClientSampleId :
MW-03

Tgt Ion:152 Resp: 15022
Ion Ratio Lower Upper
152 100
150 147.1 124.7 187.1
115 50.3 46.5 69.7



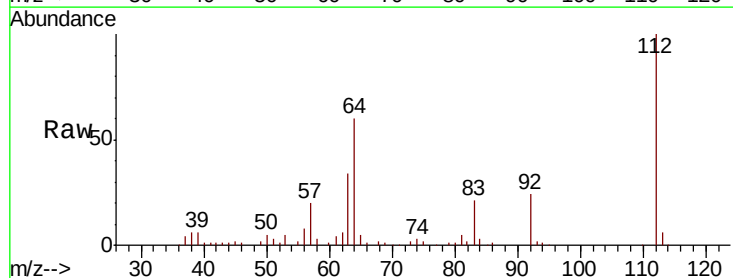
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



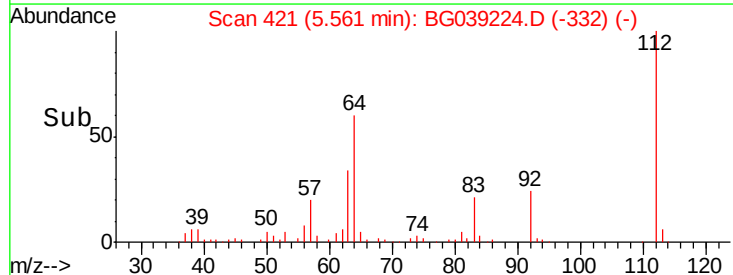
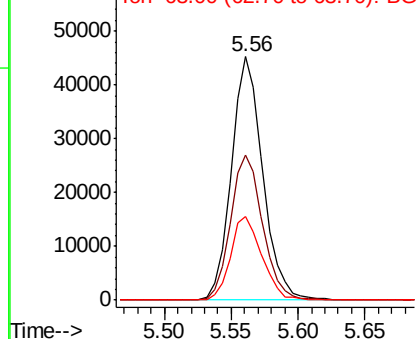
#5

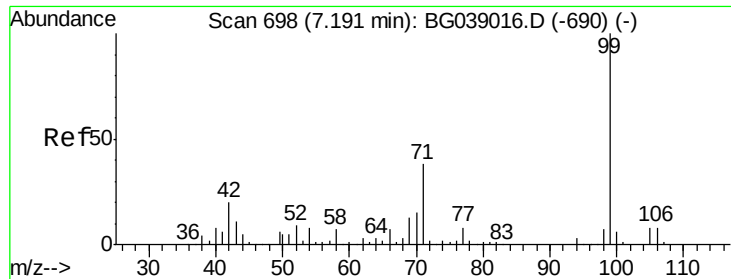
2-Fluorophenol
Concen: 93.300 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG039224.D
Acq: 18 Jan 2019 20:32

Tgt Ion:112 Resp: 73883
Ion Ratio Lower Upper
112 100
64 59.6 47.0 70.6
63 34.2 28.0 42.0



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: 70.504 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Instrument :

BNA_G

ClientSampleId :

MW-03

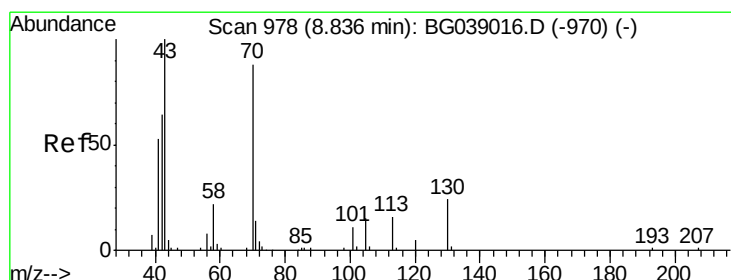
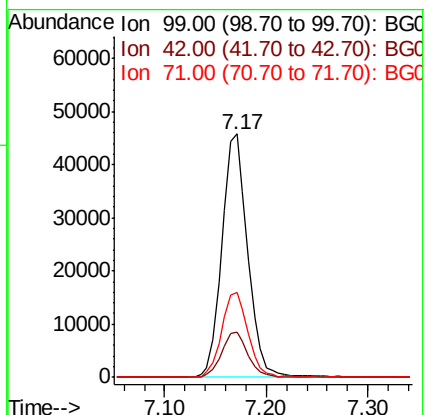
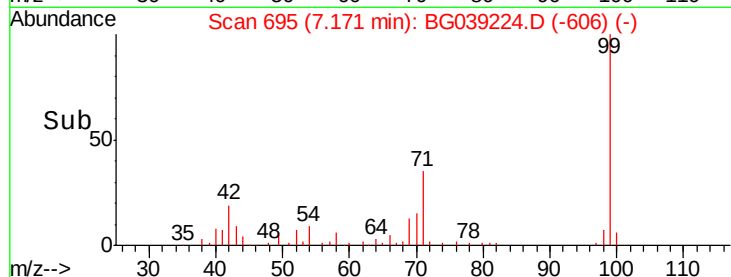
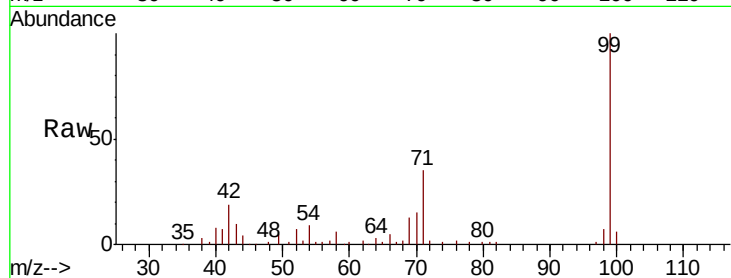
Tgt Ion: 99 Resp: 80349

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

71 34.9 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.998 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.37 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Tgt Ion: 70 Resp: 12721

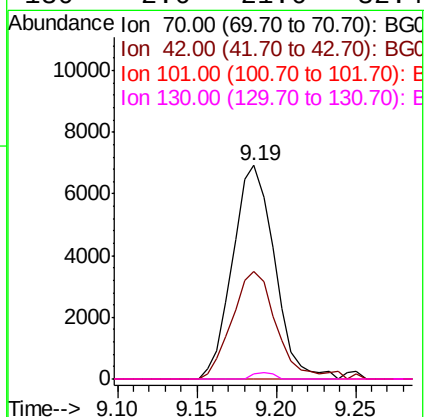
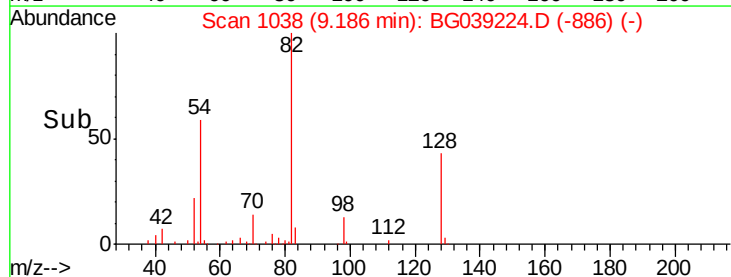
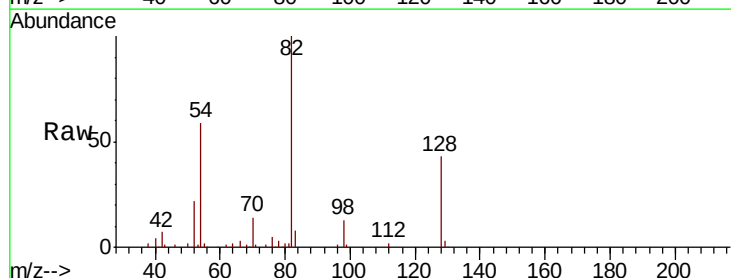
Ion Ratio Lower Upper

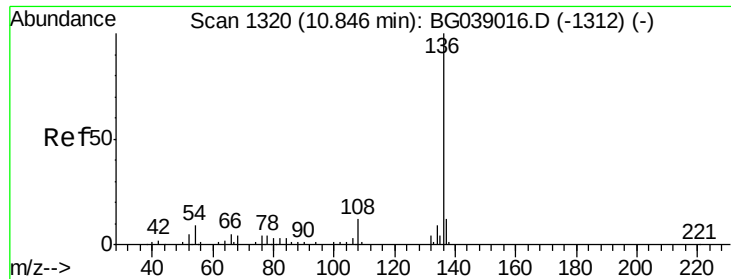
70 100

42 50.2 59.0 88.4#

101 0.0 10.4 15.6#

130 2.6 21.6 32.4#

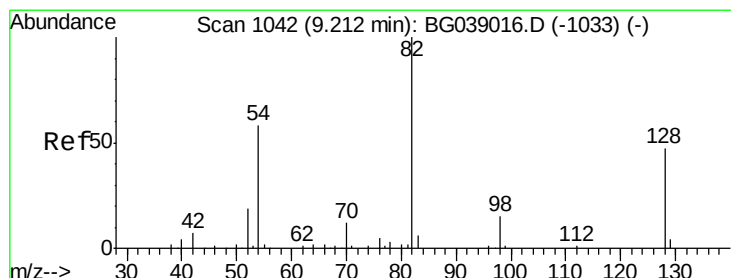
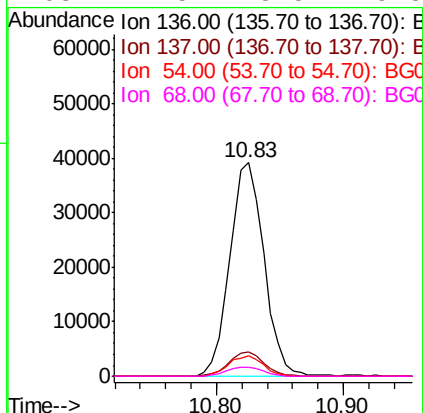
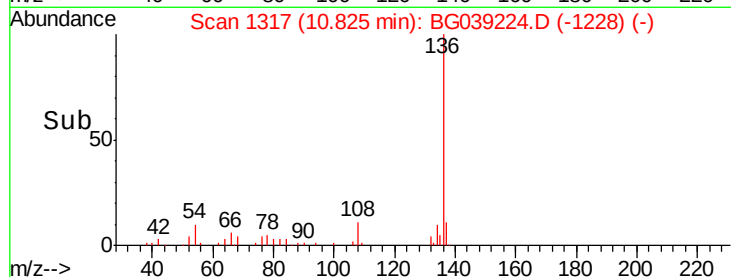
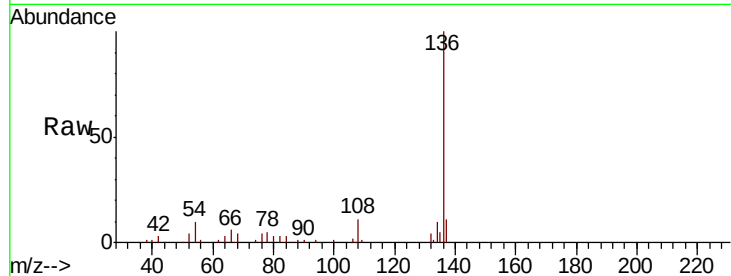




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039224.D
Acq: 18 Jan 2019 20:32

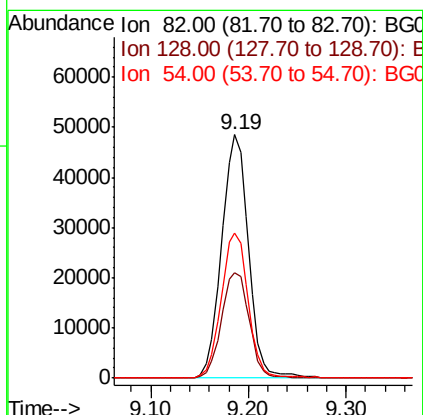
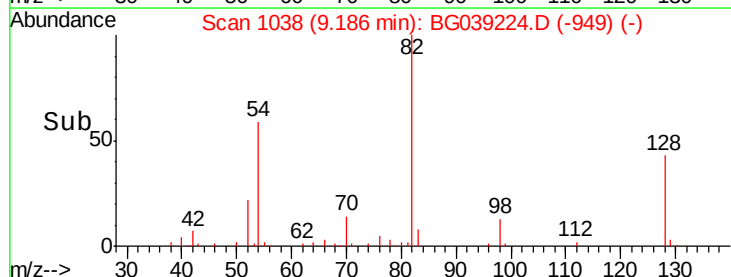
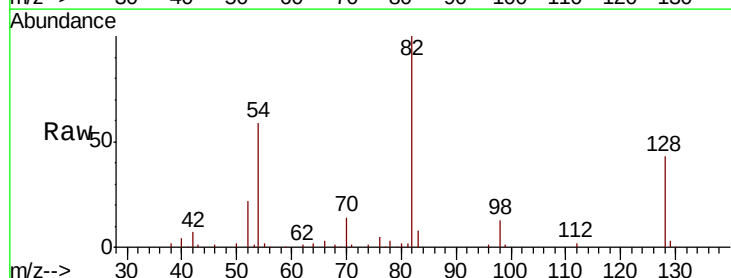
Instrument :
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MW-03

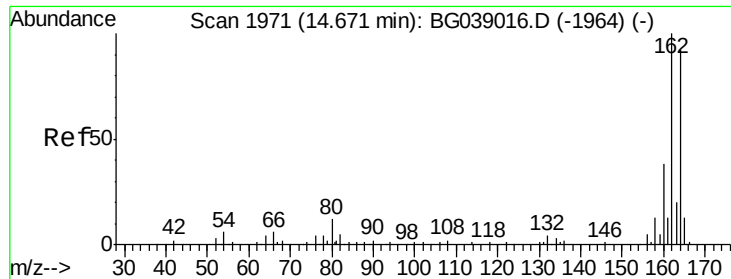
Tgt Ion:	136	Resp:	73046
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.2
54	9.9	7.2	10.8
68	4.5	3.5	5.3



#23
Nitrobenzene-d5
Concen: 69.247 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG039224.D
Acq: 18 Jan 2019 20:32

Tgt Ion:	82	Resp:	92439
Ion	Ratio	Lower	Upper
82	100		
128	43.2	37.3	55.9
54	59.5	46.4	69.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Instrument :

BNA_G

ClientSampleId :

MW-03

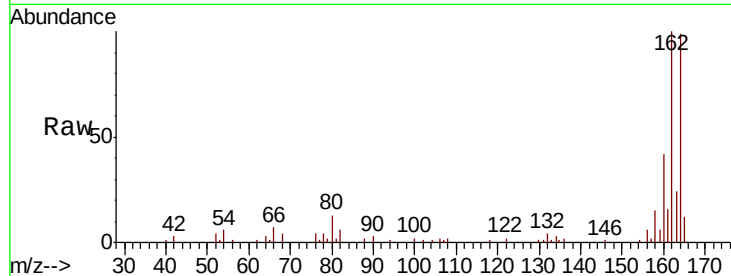
Tgt Ion:164 Resp: 43272

Ion Ratio Lower Upper

164 100

162 101.0 87.2 130.8

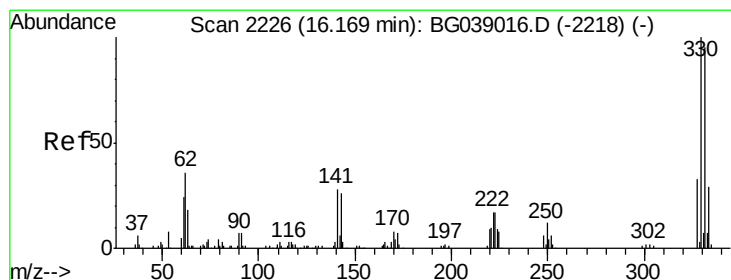
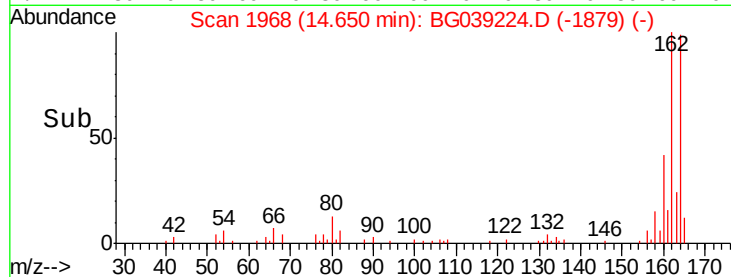
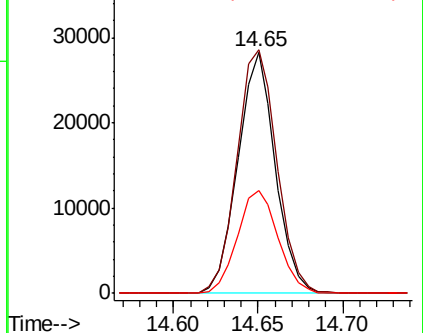
160 42.6 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 141.471 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

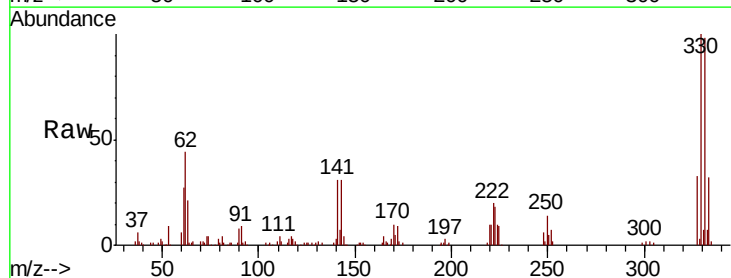
Tgt Ion:330 Resp: 102617

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

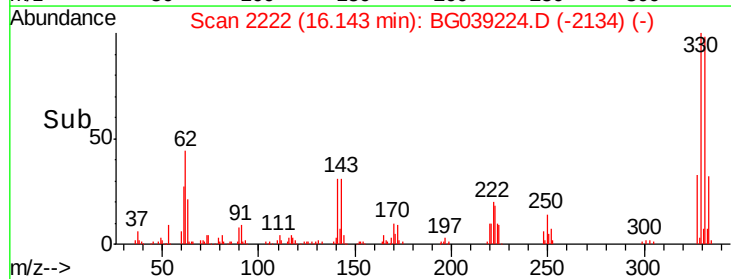
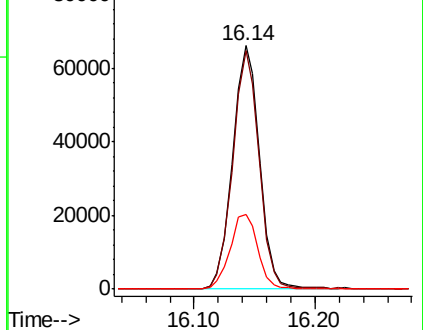
141 31.7 24.9 37.3

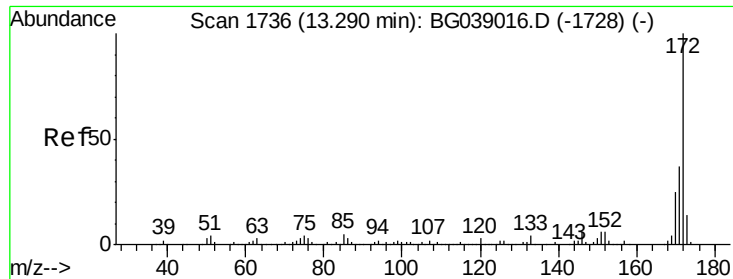


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

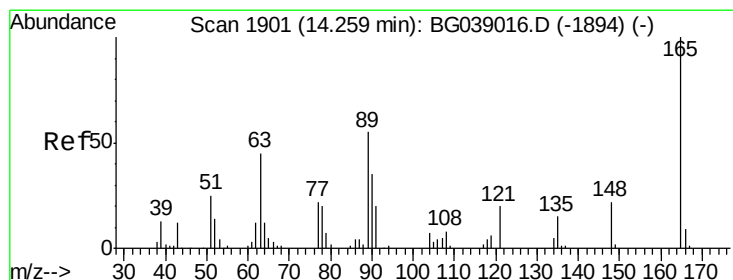
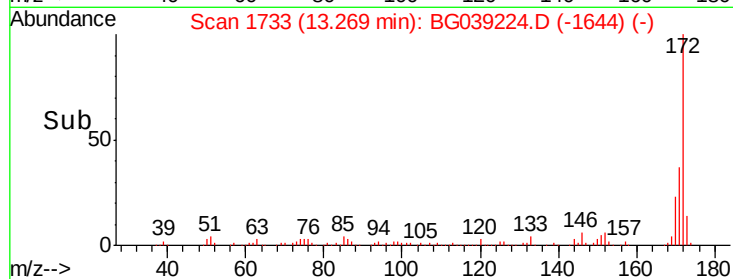
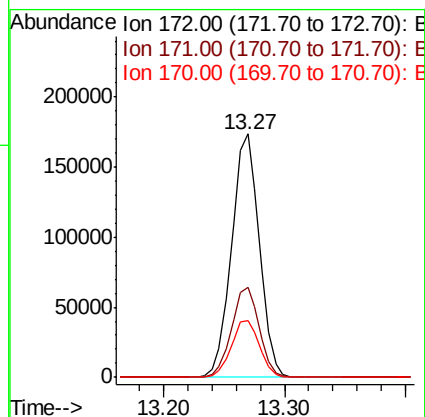
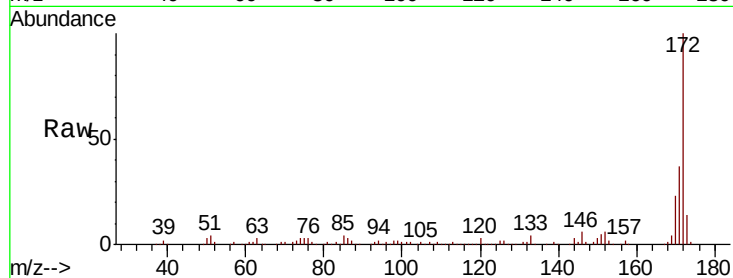




#45
 2-Fluorobiphenyl
 Concen: 87.861 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039224.D
 Acq: 18 Jan 2019 20:32

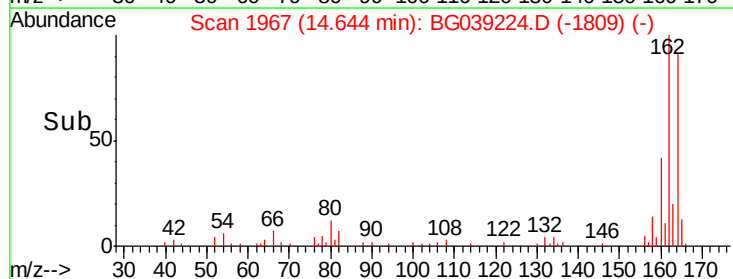
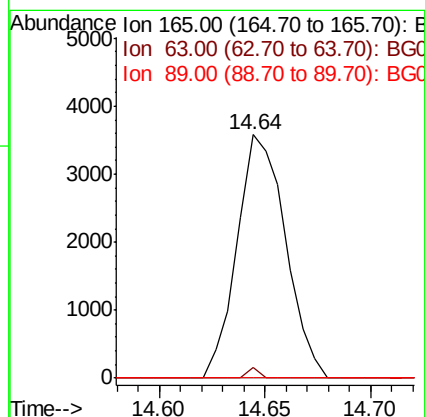
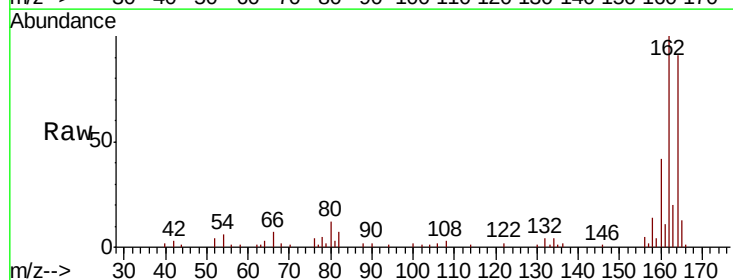
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 BNA_G
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 MW-03

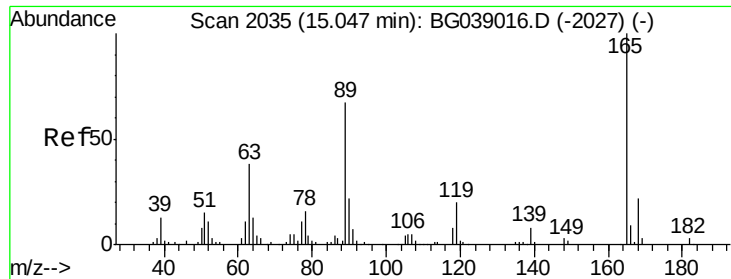
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.4	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.956 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.40 min
 Lab File: BG039224.D
 Acq: 18 Jan 2019 20:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.2	43.6	65.4#
89	0.0	43.7	65.5#





#57

2,4-Dinitrotoluene

Concen: 4.849 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.39 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Instrument :

BNA_G

ClientSampled :

MW-03

Tgt Ion:165 Resp: 5687

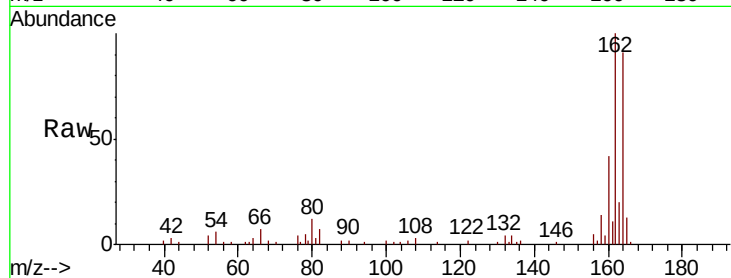
Ion Ratio Lower Upper

165 100

63 4.2 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

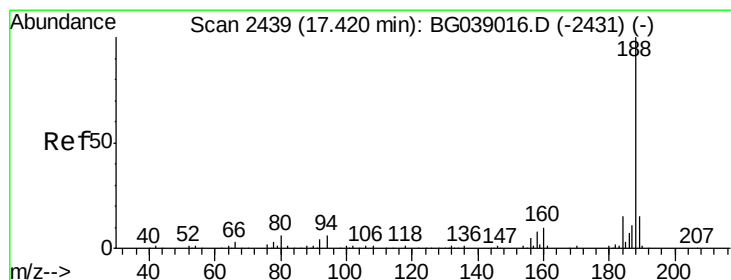
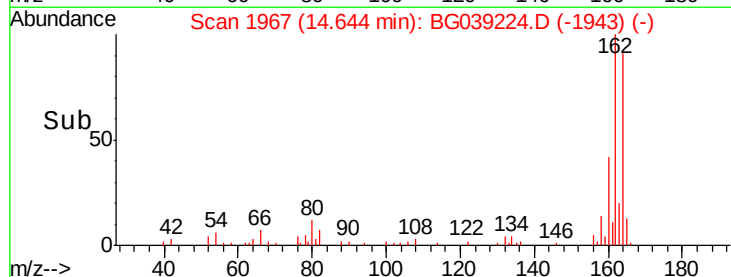
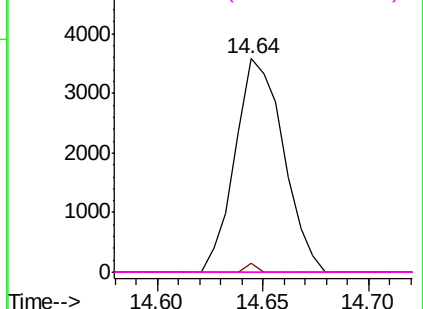


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

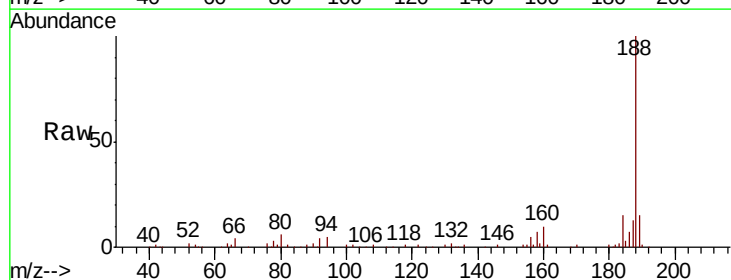
Tgt Ion:188 Resp: 114863

Ion Ratio Lower Upper

188 100

94 5.1 5.0 7.4

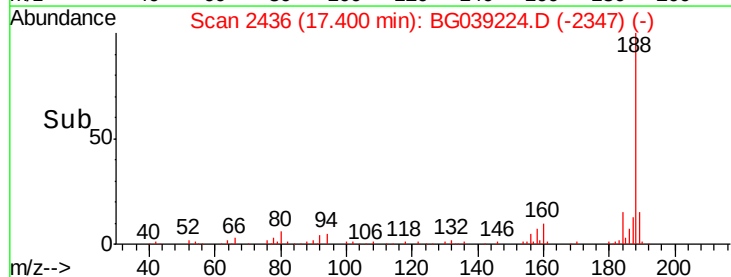
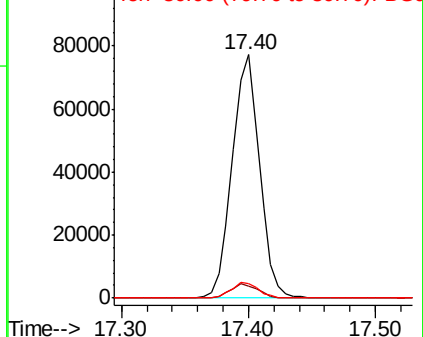
80 6.1 4.7 7.1

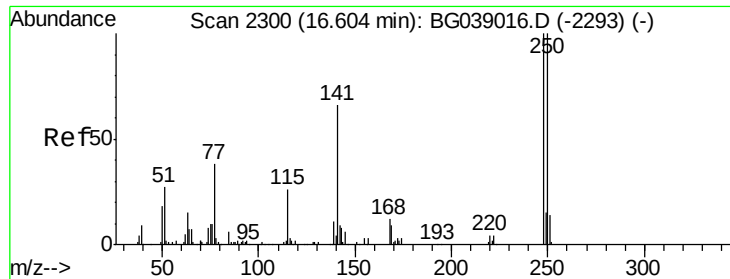


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.602 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Instrument :

BNA_G

ClientSampled :

MW-03

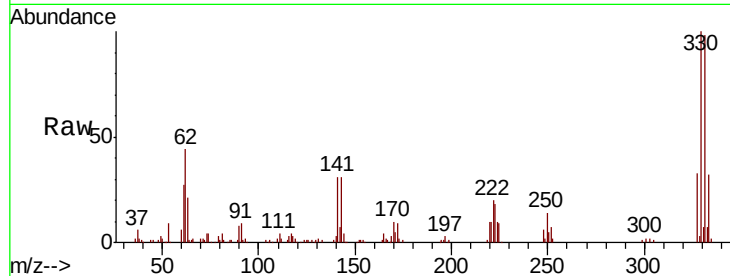
Tgt Ion:248 Resp: 6795

Ion Ratio Lower Upper

248 100

250 210.2 79.9 119.9#

141 351.9 52.7 79.1#

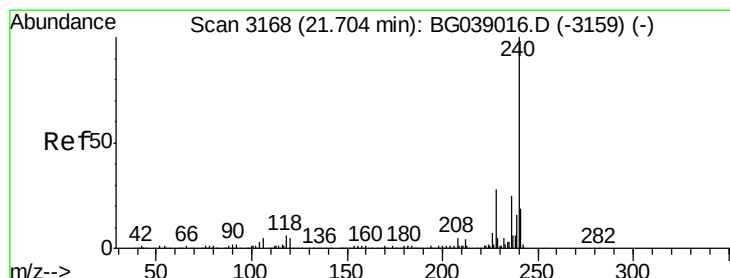
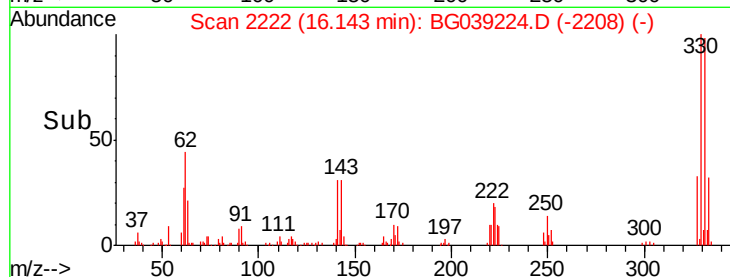
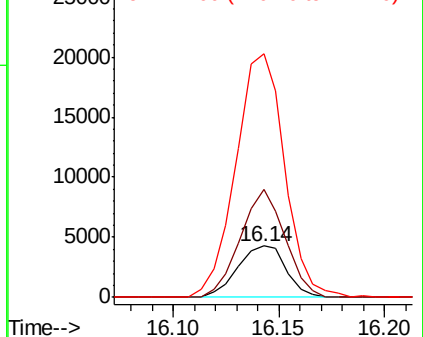


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

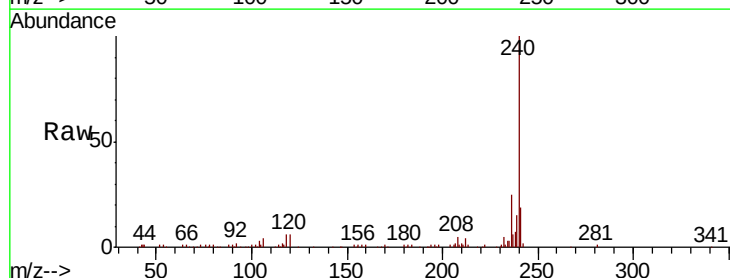
Tgt Ion:240 Resp: 115564

Ion Ratio Lower Upper

240 100

120 5.9 4.3 6.5

236 24.6 20.1 30.1

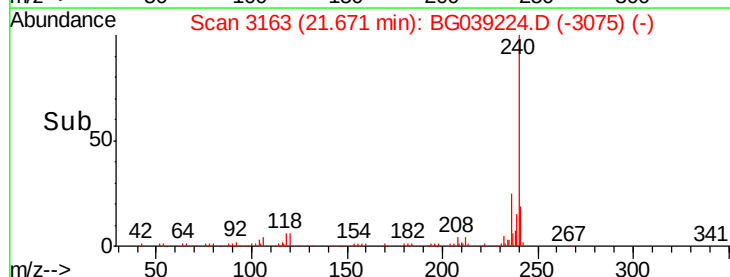
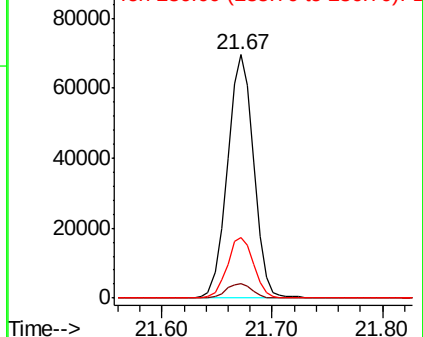


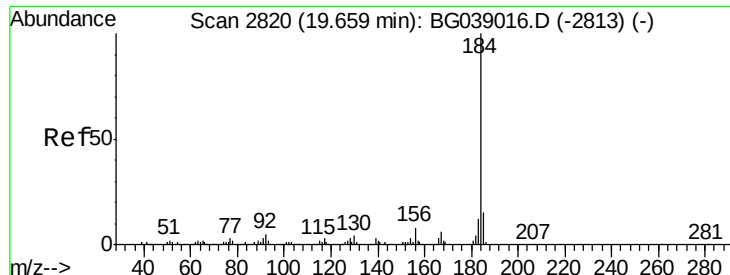
Abundance

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





#77

Benzidine

Concen: 2.586 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.36 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

Instrument :

BNA_G

ClientSampleId :

MW-03

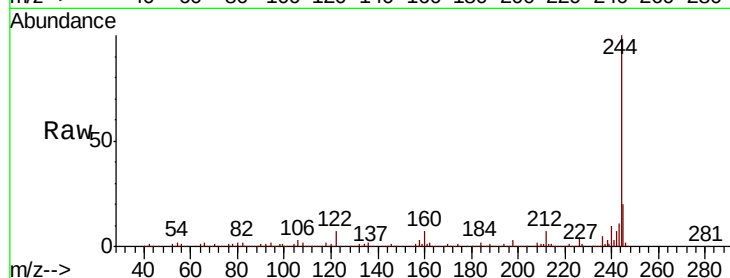
Tgt Ion:184 Resp: 9142

Ion Ratio Lower Upper

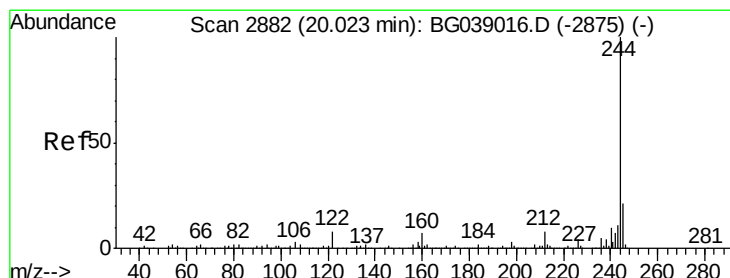
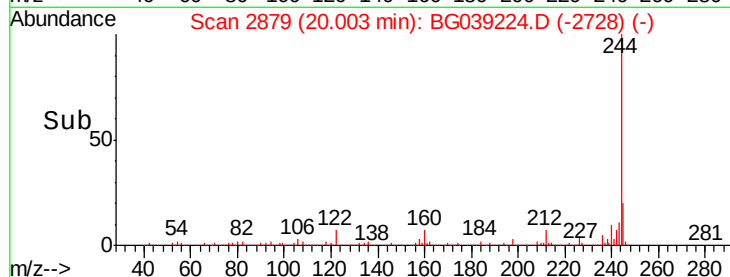
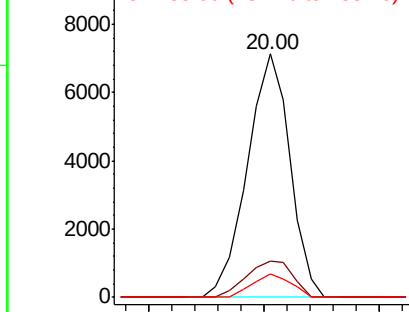
184 100

185 14.7 12.1 18.1

183 9.6 9.5 14.3



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



#79

Terphenyl-d14

Concen: 90.072 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG039224.D

Acq: 18 Jan 2019 20:32

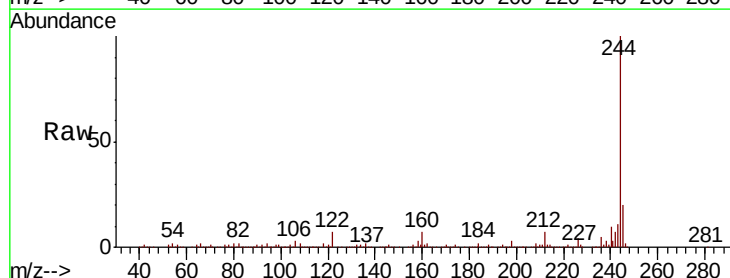
Tgt Ion:244 Resp: 562683

Ion Ratio Lower Upper

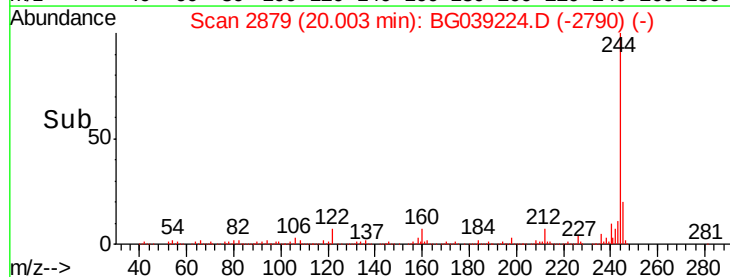
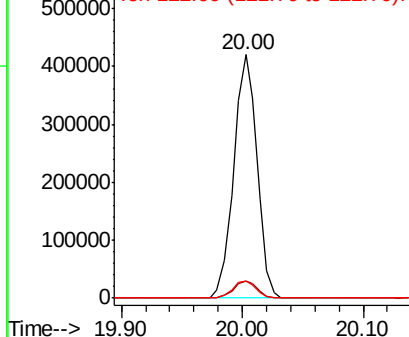
244 100

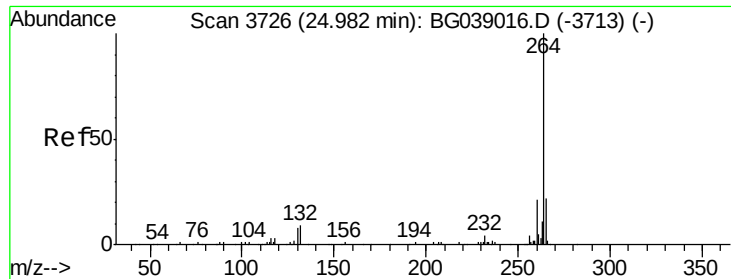
212 7.2 6.1 9.1

122 7.2 6.1 9.1



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





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.02 min
Lab File: BG039224.D
Acq: 18 Jan 2019 20:32

Instrument :
BNA_G
ClientSampleId :
MW-03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.0	25.6
265	21.9	17.2	25.8

