

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
 Data File : BG041167.D
 Acq On : 10 Jun 2019 17:38
 Operator : HP/JU
 Sample : K3214-04RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-5A

Quant Time: Jun 11 03:49:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

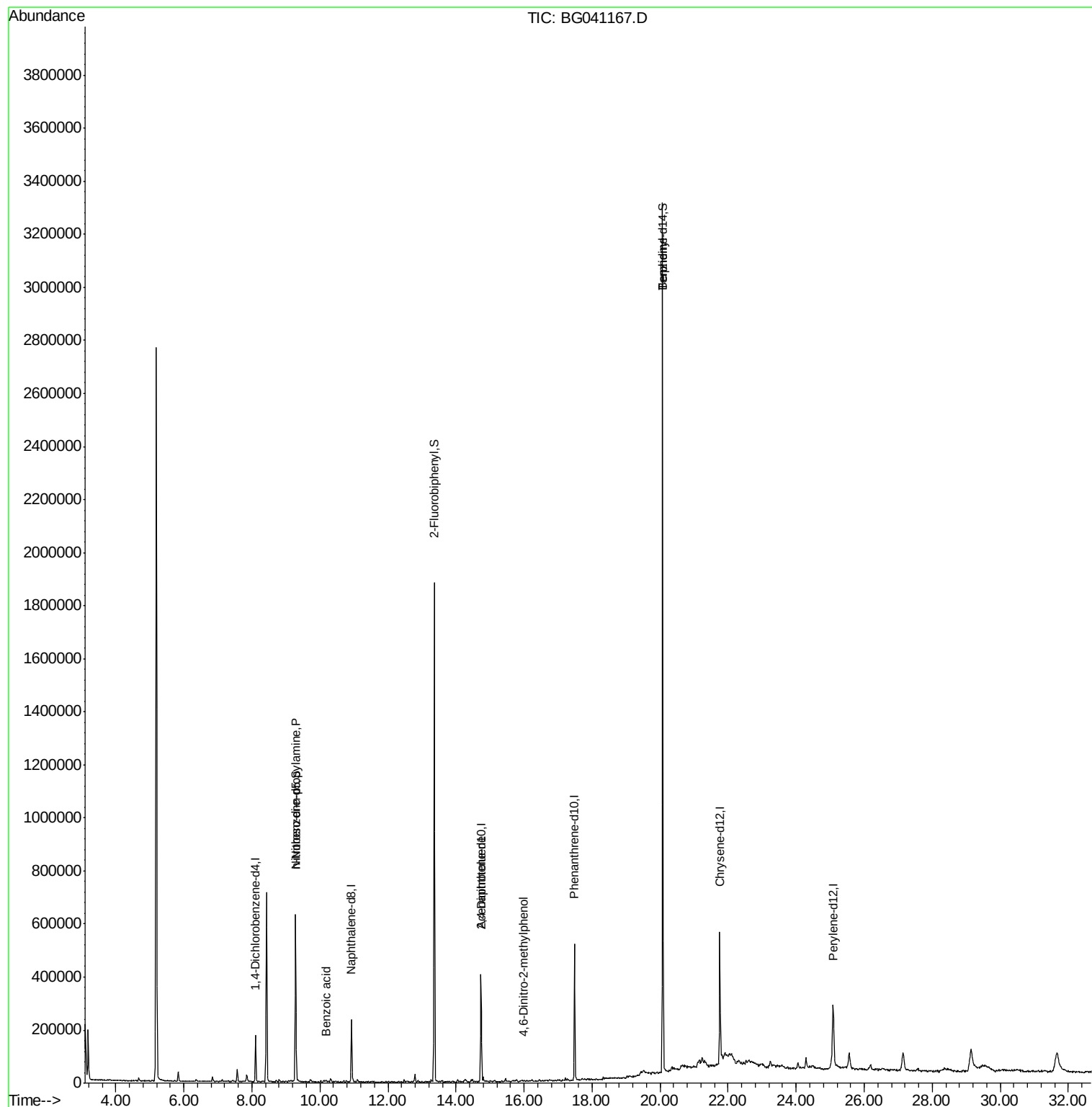
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	46123	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	190188	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	140073	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	336420	20.00	ng	0.00
76) Chrysene-d12	21.76	240	327240	20.00	ng	0.00
87) Perylene-d12	25.09	264	319367	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.25	99	263	0.07	ng	0.00
23) Nitrobenzene-d5	9.28	82	387736	90.51	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.36	172	925206	95.12	ng	0.00
79) Terphenyl-d14	20.08	244	1518228	98.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	56658	18.638	ng	# 77
32) Benzoic acid	10.18	122	76	8.157	ng	# 37
57) 2,4-Dinitrotoluene	14.74	165	18509	5.125	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.99	198	69	8.621	ng	# 1
77) Benzidine	20.08	184	26036	3.335	ng	# 93

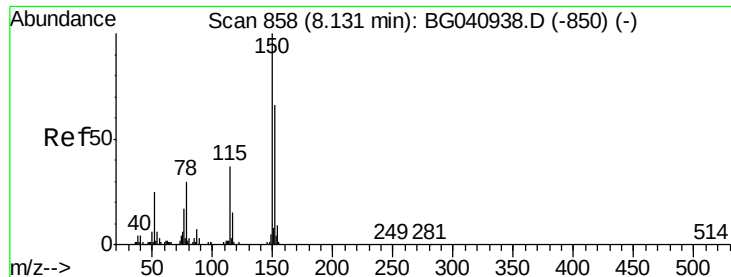
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Jun 09 23:08:34 2019
Response via : Initial Calibration



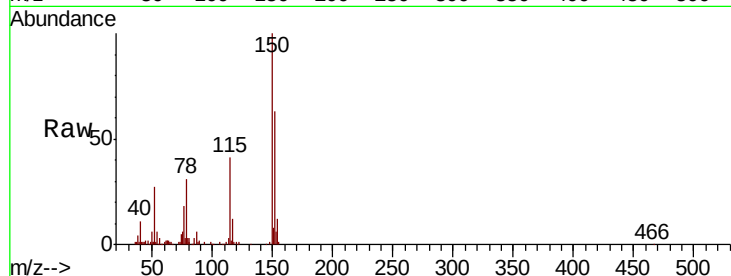


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Instrument :
BNA_G
ClientSampleId :
MW-5A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	120.6	180.8
115	65.0	45.1	67.7

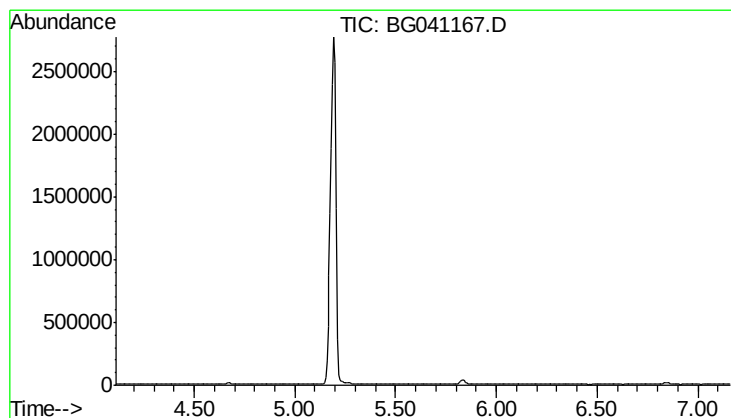
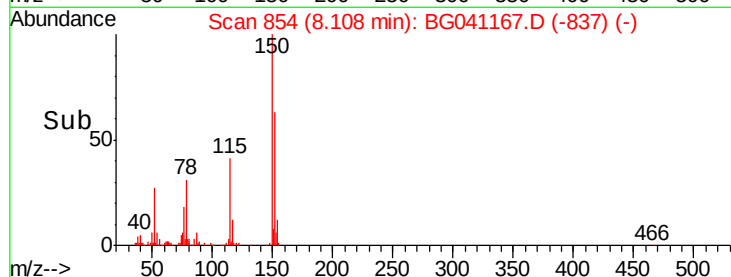
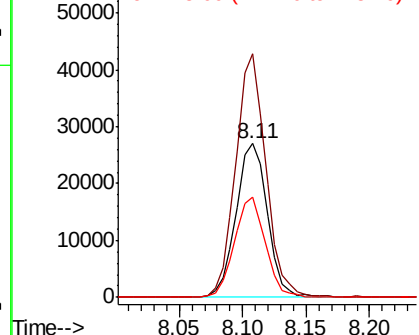


Abundance

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

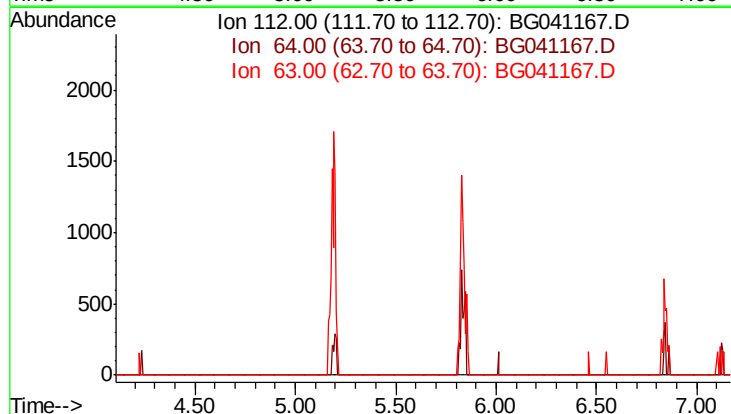


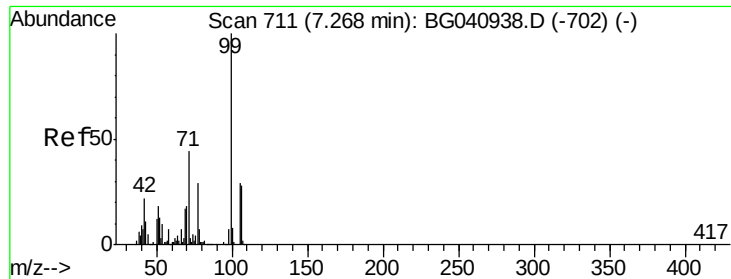
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.64 min

Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Tgt Ion	Sig	Exp Ratio
112	100	
64	70.2	
63	41.0	





#7

Phenol-d6

Concen: 0.067 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

Instrument :

BNA_G

ClientSampleId :

MW-5A

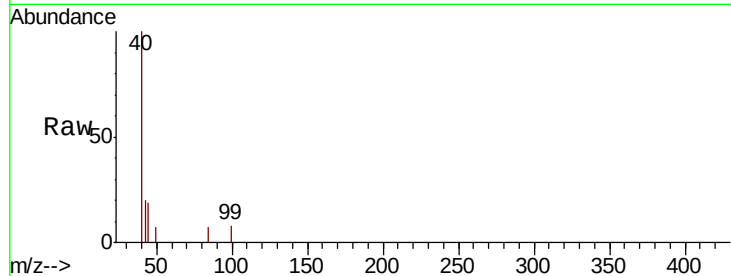
Tgt Ion: 99 Resp: 263

Ion Ratio Lower Upper

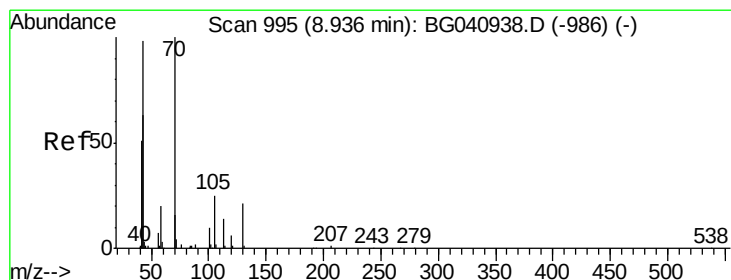
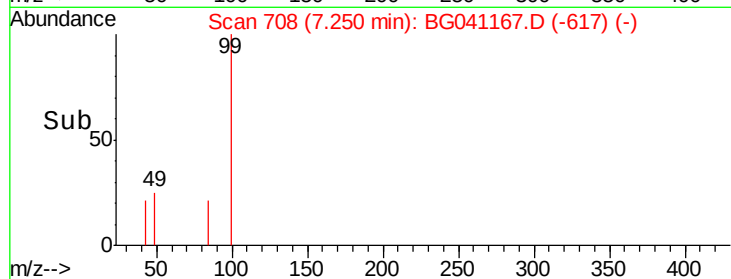
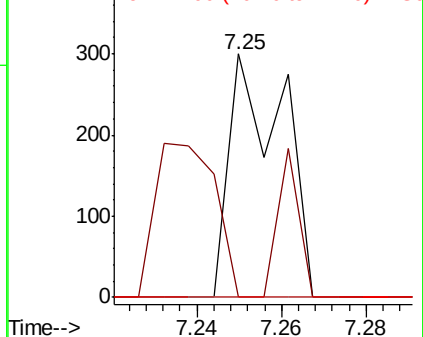
99 100

42 0.0 17.9 26.9#

71 0.0 35.4 53.0#



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: 18.638 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

Tgt Ion: 70 Resp: 56658

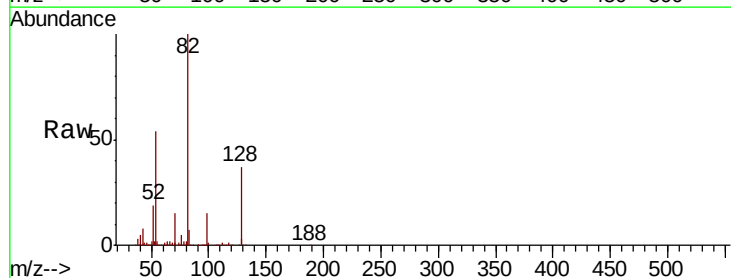
Ion Ratio Lower Upper

70 100

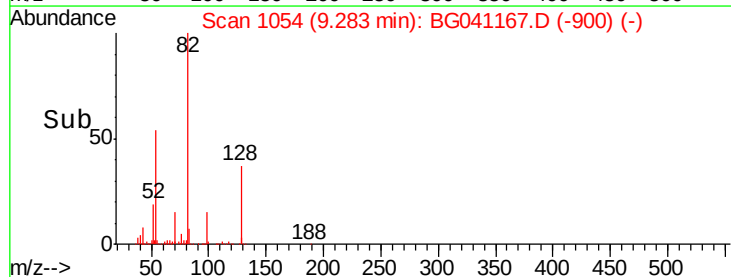
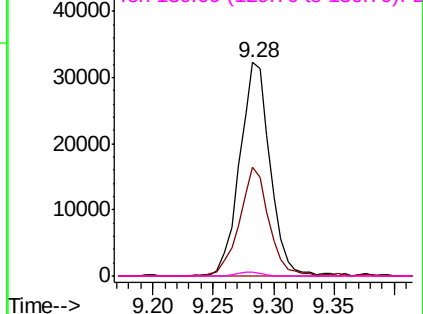
42 51.0 51.5 77.3#

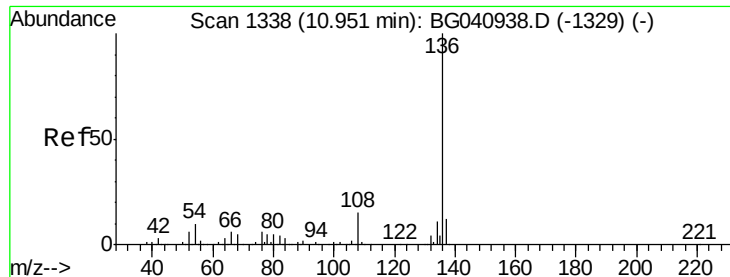
101 0.0 8.1 12.1#

130 1.7 16.6 24.8#



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

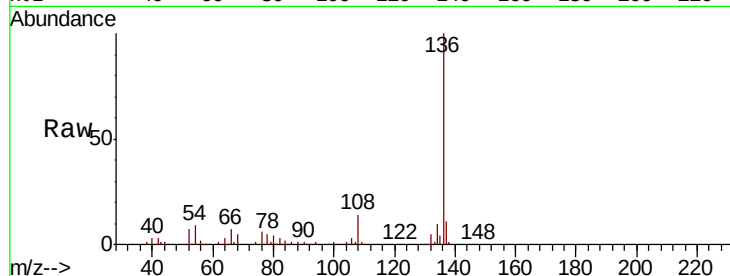




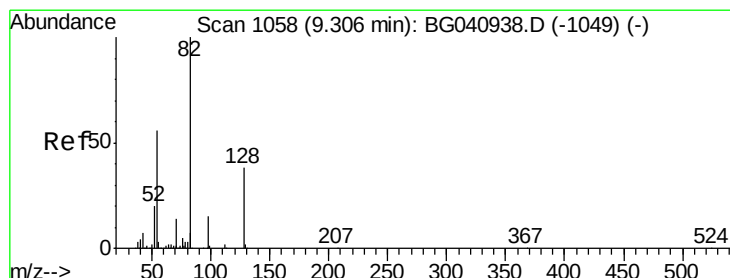
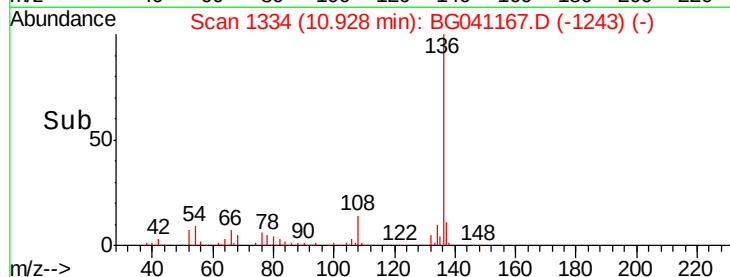
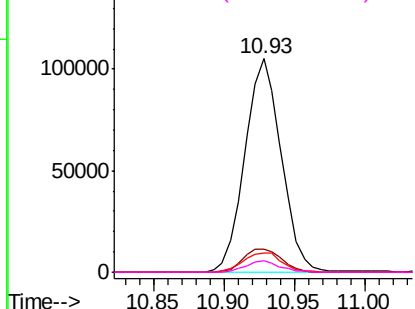
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Instrument :
BNA_G
ClientSampleId :
MW-5A

Tgt Ion:	136	Resp:	190188
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.5	14.3
54	9.3	7.6	11.4
68	5.4	3.9	5.9

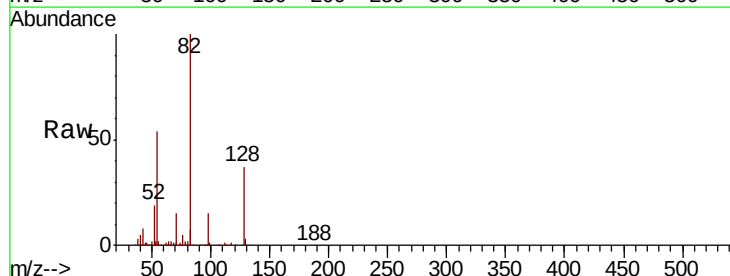


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

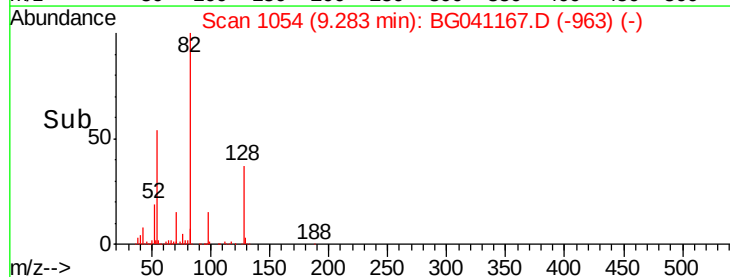
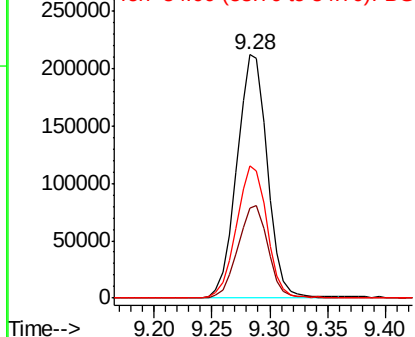


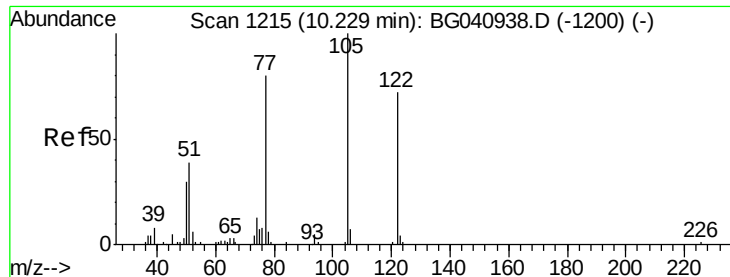
#23
Nitrobenzene-d5
Concen: 90.505 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Tgt Ion:	82	Resp:	387736
Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.5	45.7
54	54.3	44.6	66.8



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

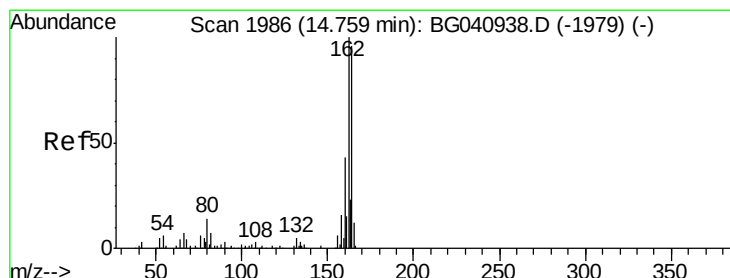
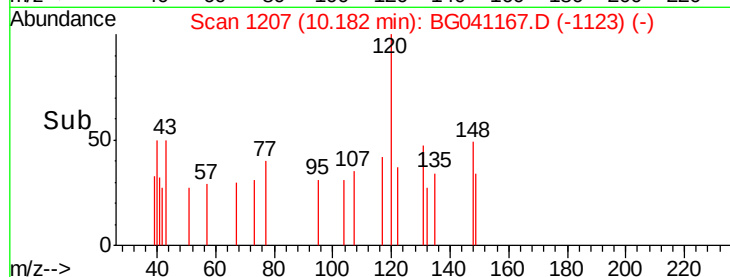
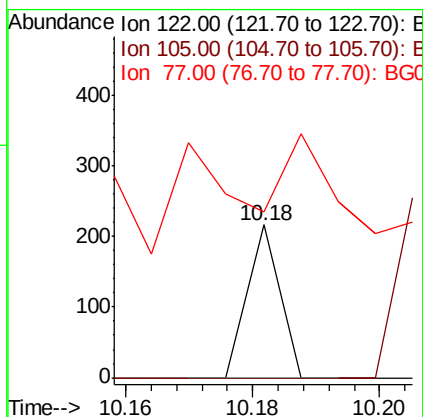
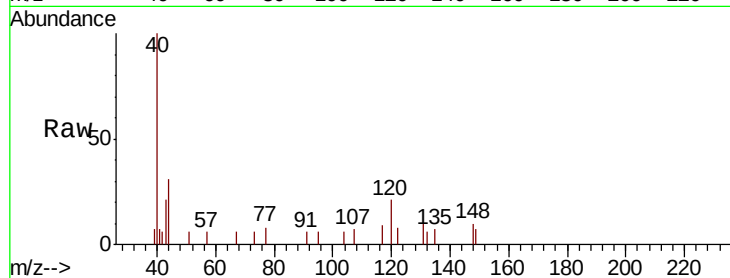




#32
Benzoic acid
Concen: 8.157 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.04 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

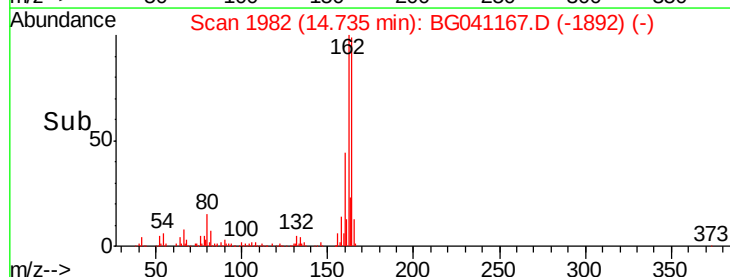
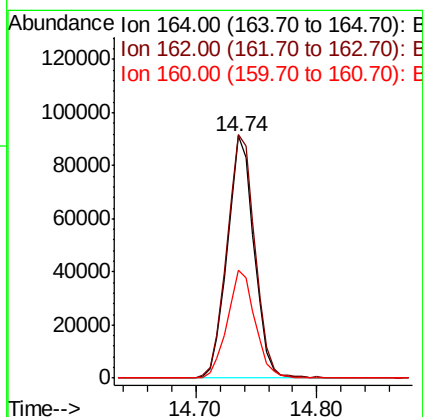
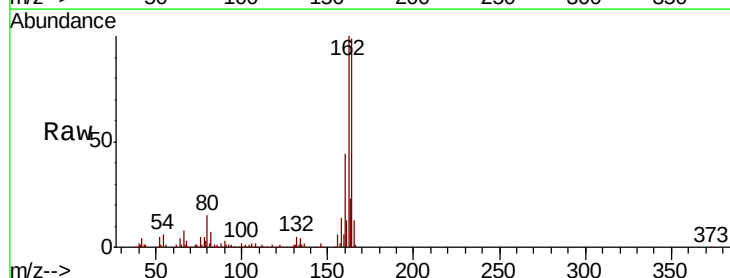
Instrument :
BNA_G
ClientSampled :
MW-5A

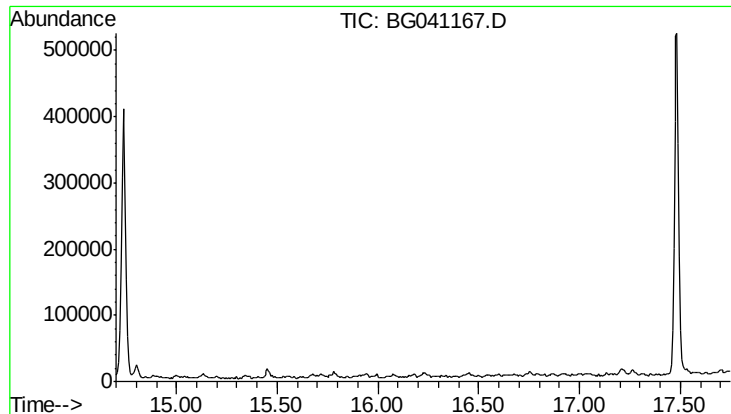
Tgt Ion:122 Resp: 76
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 108.3 89.9 129.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Tgt Ion:164 Resp: 140073
Ion Ratio Lower Upper
164 100
162 100.6 83.0 124.4
160 44.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.22 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

Instrument :

BNA_G

ClientSampleId :

MW-5A

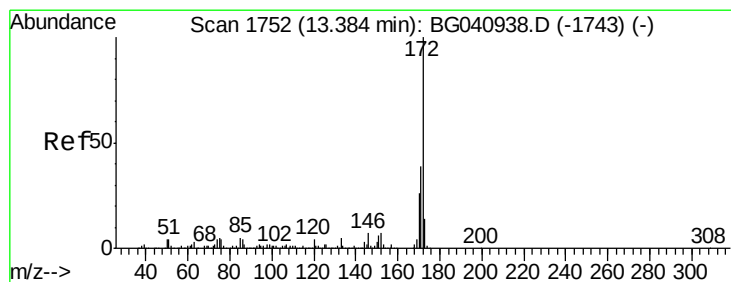
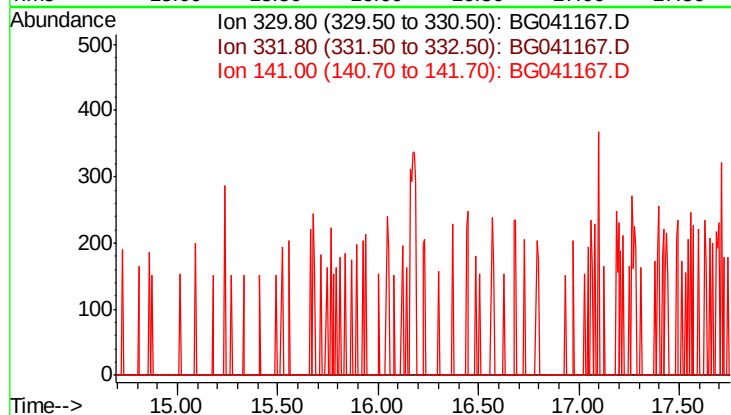
Tgt Ion: 330

Sig Exp Ratio

330 100

332 98.1

141 35.9



#45

2-Fluorobiphenyl

Concen: 95.122 ng

RT: 13.36 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

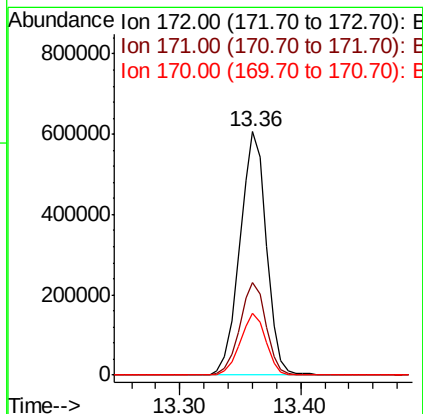
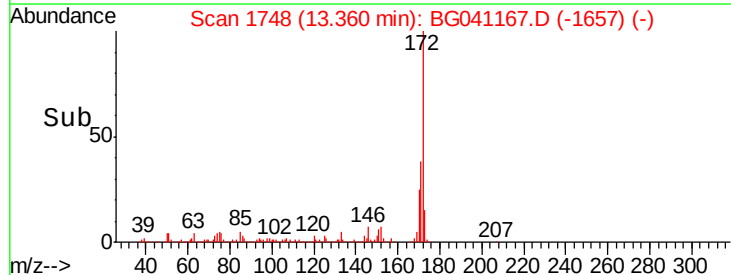
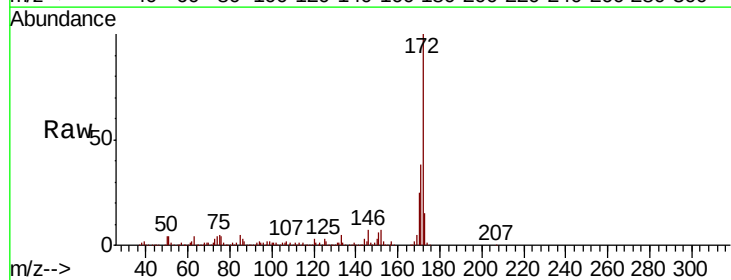
Tgt Ion: 172 Resp: 925206

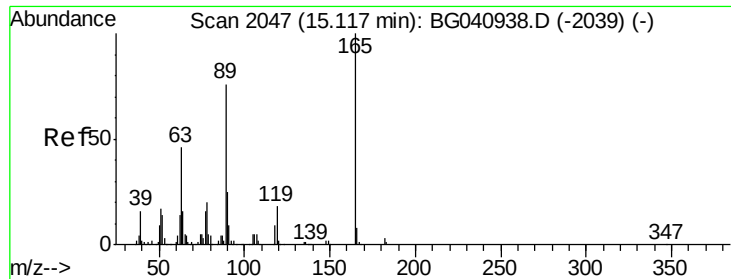
Ion Ratio Lower Upper

172 100

171 37.8 31.1 46.7

170 25.4 20.5 30.7





#57

2,4-Dinitrotoluene

Concen: 5.125 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

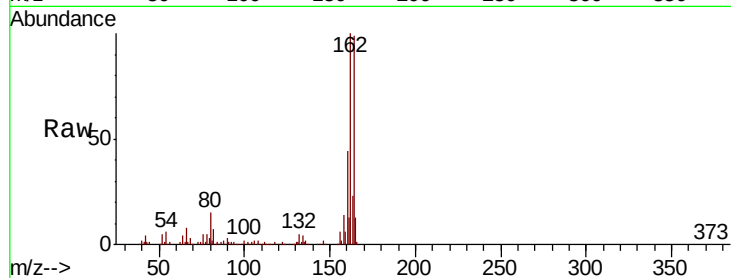
Instrument :

BNA_G

ClientSampleId :

MW-5A

Tgt Ion:	165	Resp:	18509
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.3	55.9#
89	1.8	61.0	91.6#
182	0.0	2.2	3.2#

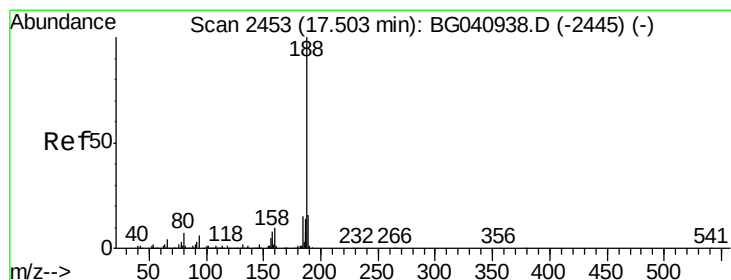
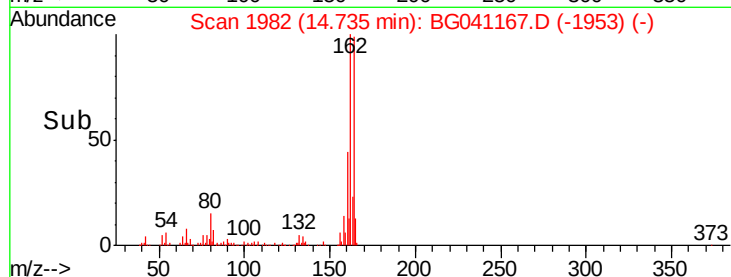
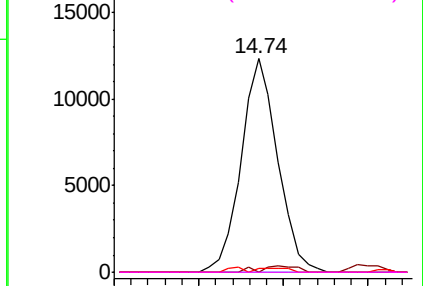


Abundance Ion 165.00 (164.70 to 165.70): E

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

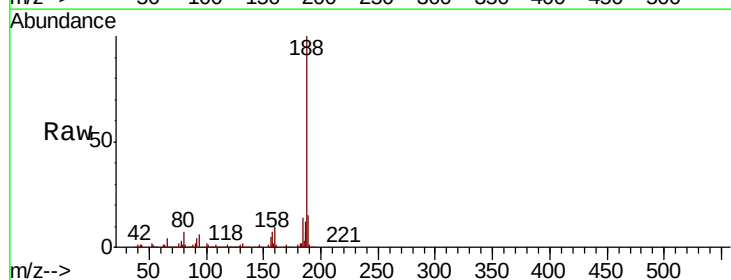
RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

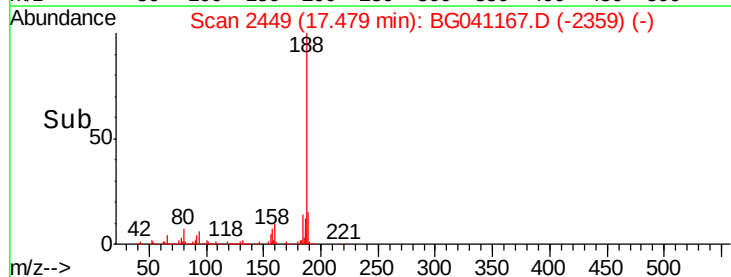
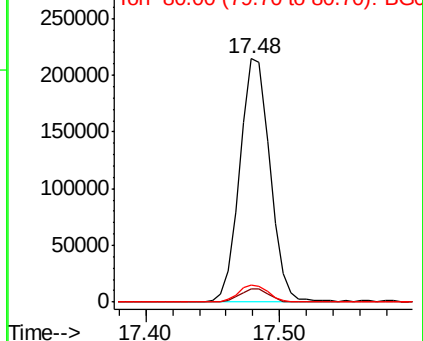
Tgt Ion:	188	Resp:	336420
Ion Ratio	Lower	Upper	
188	100		
94	5.7	4.7	7.1
80	7.0	5.8	8.8

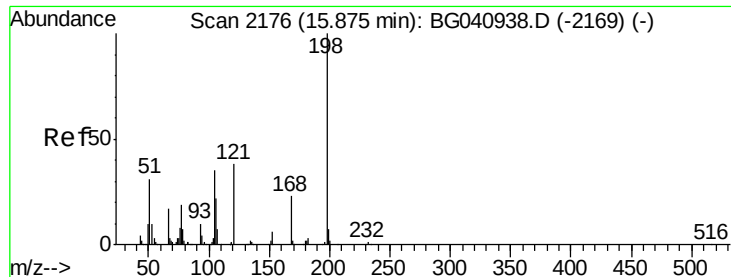


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.621 ng

RT: 15.99 min Scan# 2195

Delta R.T. 0.13 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

Instrument :

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ClientSampleId :

MW-5A

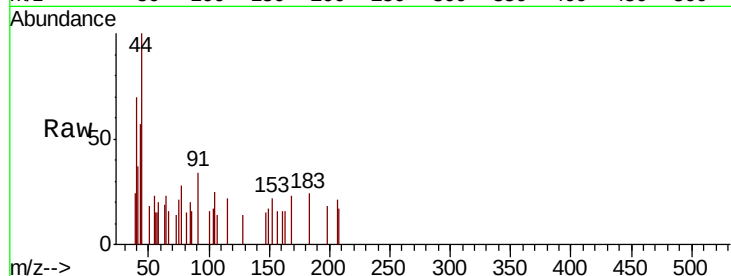
Tgt Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 99.0 21.6 61.6#

105 142.6 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

400

300

200

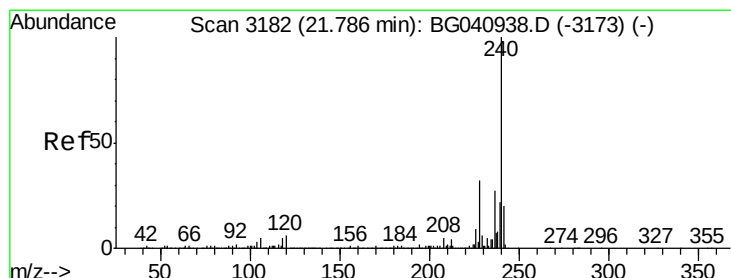
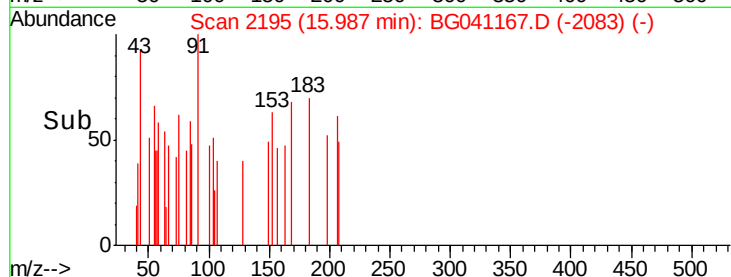
100

0

15.98

16.00

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

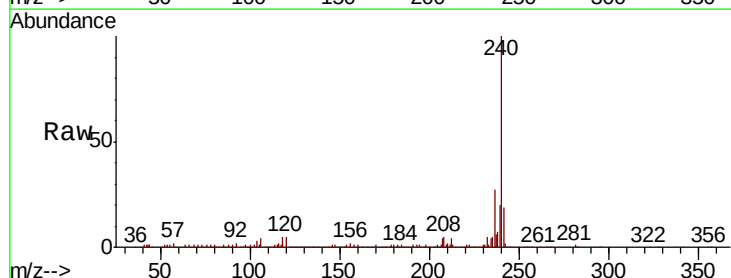
Tgt Ion:240 Resp: 327240

Ion Ratio Lower Upper

240 100

120 5.0 4.5 6.7

236 26.8 21.3 31.9



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

250000

200000

150000

100000

50000

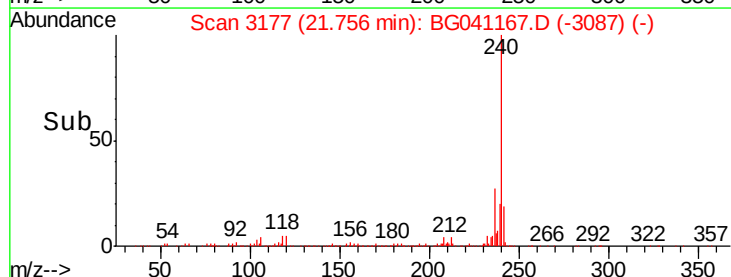
0

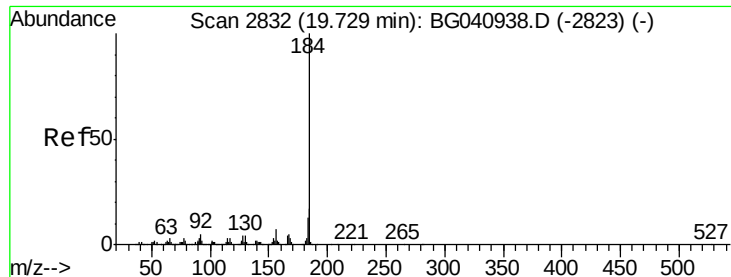
21.76

21.80

21.90

Time-->





#77

Benzidine

Concen: 3.335 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

Instrument :

BNA_G

ClientSampleId :

MW-5A

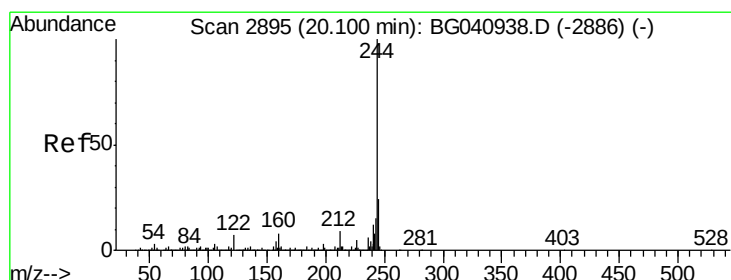
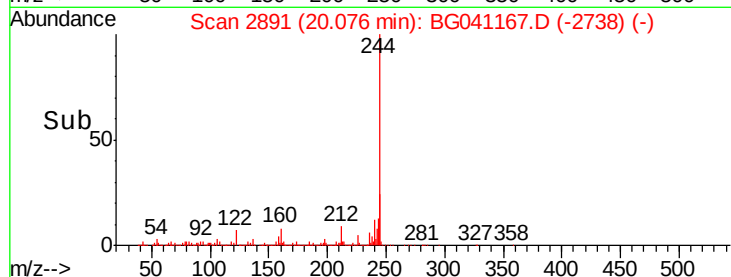
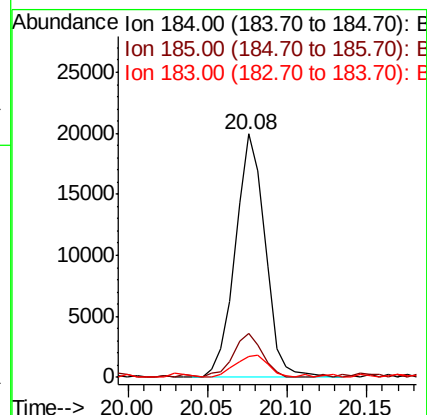
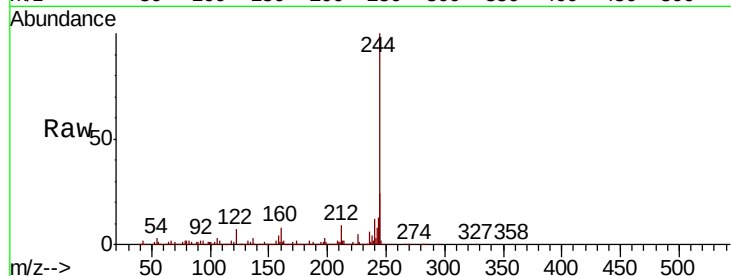
Tgt Ion:184 Resp: 26036

Ion Ratio Lower Upper

184 100

185 18.0 13.3 19.9

183 8.6 10.7 16.1#



#79

Terphenyl-d14

Concen: 98.466 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041167.D

Acq: 10 Jun 2019 17:38

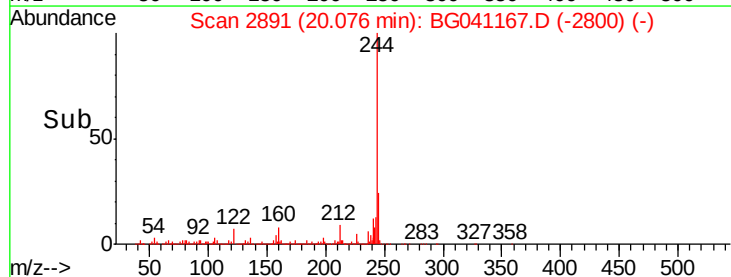
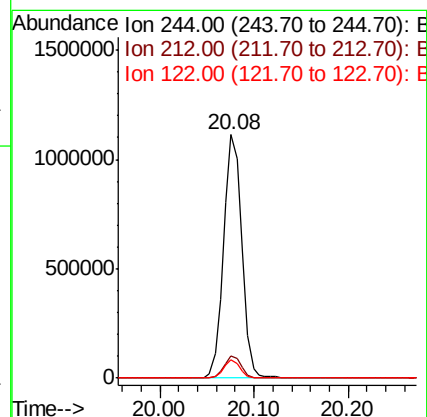
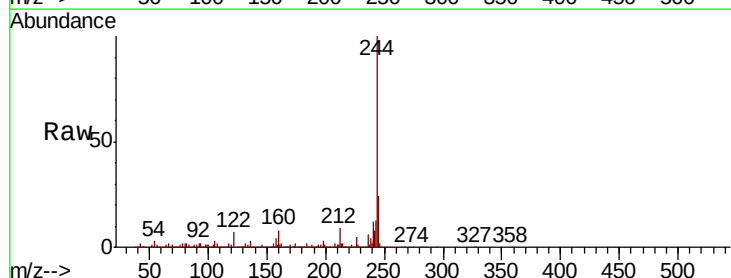
Tgt Ion:244 Resp: 1518228

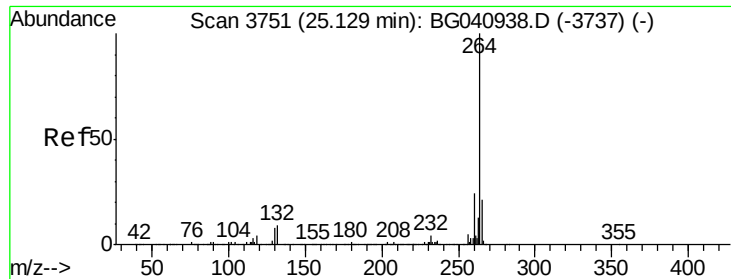
Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

122 7.5 5.4 8.0

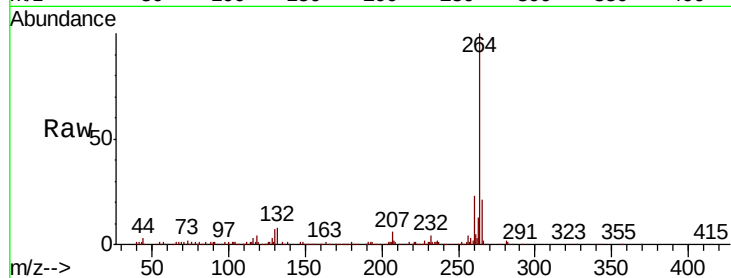




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG041167.D
Acq: 10 Jun 2019 17:38

Instrument :
BNA_G
ClientSampleId :
MW-5A

Tgt Ion:	264	Resp:	319367
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	21.4	17.0	25.4



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

