

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
 Data File : BG041168.D
 Acq On : 10 Jun 2019 18:16
 Operator : HP/JU
 Sample : K3214-02RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2A

Quant Time: Jun 11 03:49:18 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

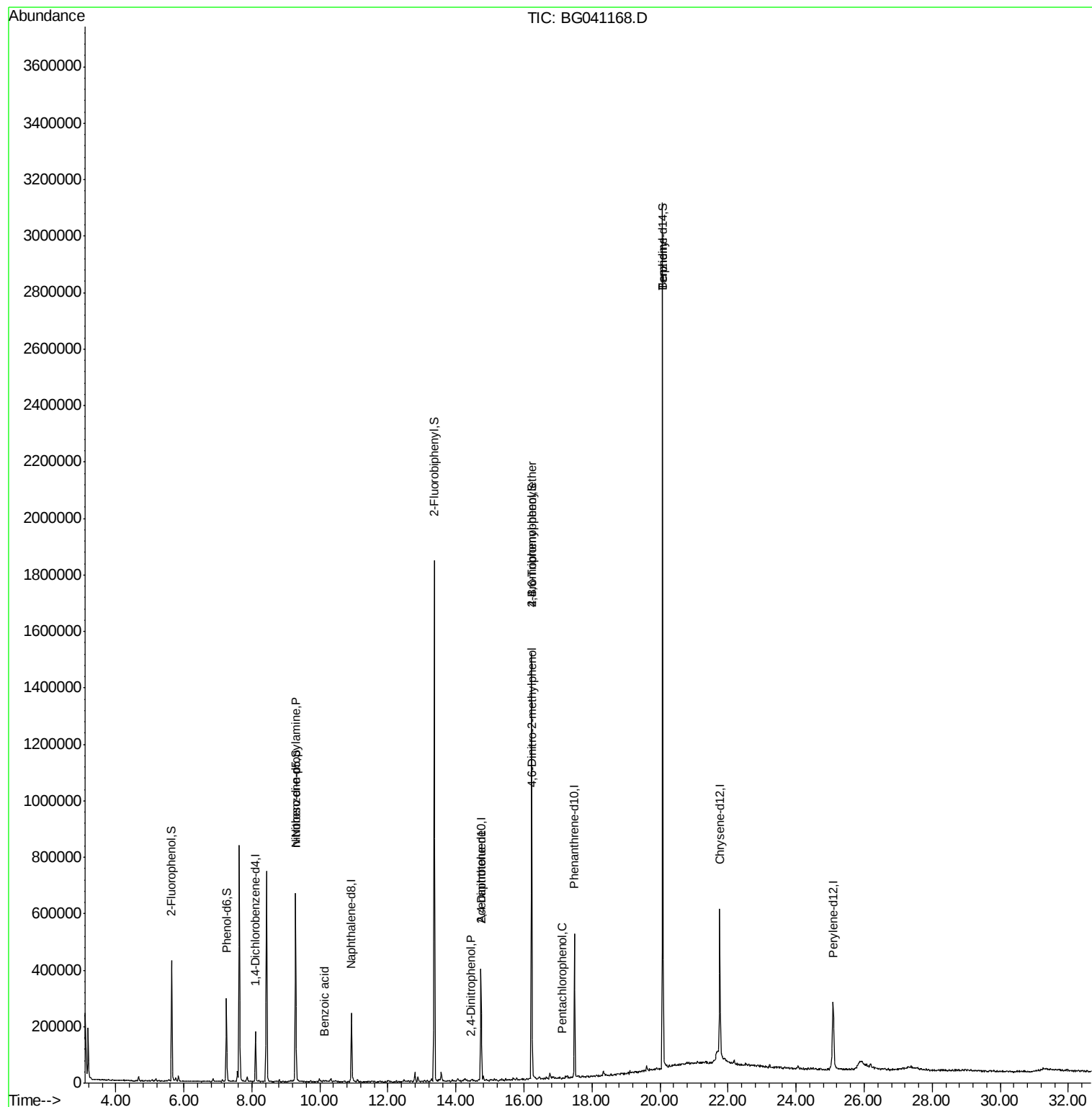
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	47098	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	198570	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	137759	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	320446	20.00	ng	0.00
76) Chrysene-d12	21.76	240	317621	20.00	ng	0.00
87) Perylene-d12	25.08	264	307902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	168618	64.56	ng	0.00
7) Phenol-d6	7.25	99	156996	38.92	ng	0.00
23) Nitrobenzene-d5	9.28	82	410058	91.68	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	283472	138.61	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	925846	96.79	ng	0.00
79) Terphenyl-d14	20.08	244	1461265	97.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	58555	18.863	ng	# 77
32) Benzoic acid	10.12	122	71	8.155	ng	# 36
54) 2,4-Dinitrophenol	14.43	184	57	8.305	ng	# 33
57) 2,4-Dinitrotoluene	14.74	165	17674	4.976	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.24	198	1484	9.299	ng	# 84
67) 4-Bromophenyl-phenylether	16.22	248	19765	4.570	ng	# 1
70) Pentachlorophenol	17.12	266	60	4.279	ng	# 30
77) Benzidine	20.08	184	26284	3.469	ng	# 95

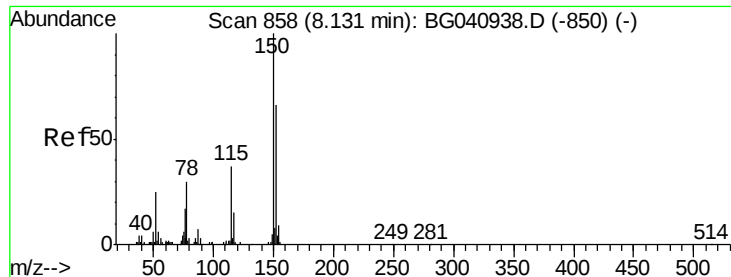
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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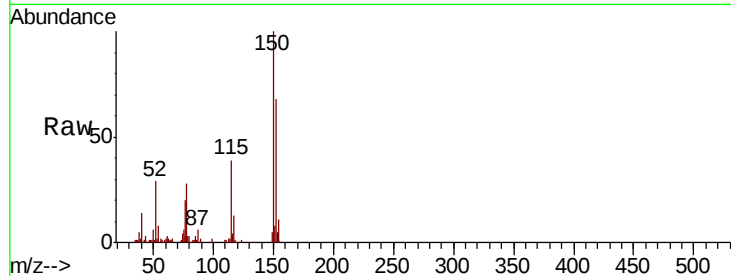


#1

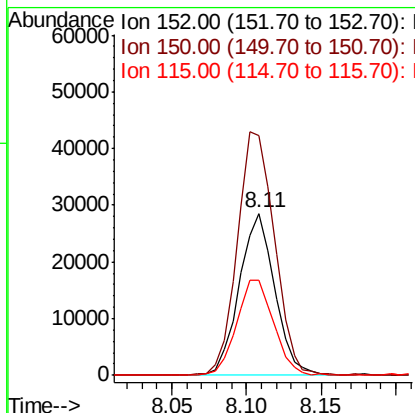
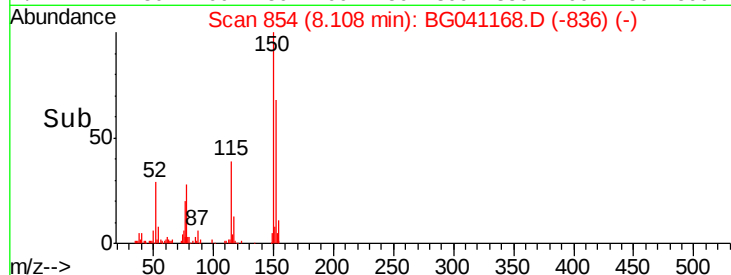
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Instrument :
BNA_G
ClientSampleId :
MW-2A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.0	120.6	180.8
115	58.4	45.1	67.7



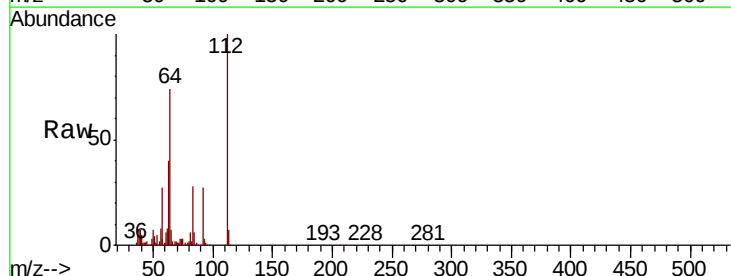
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



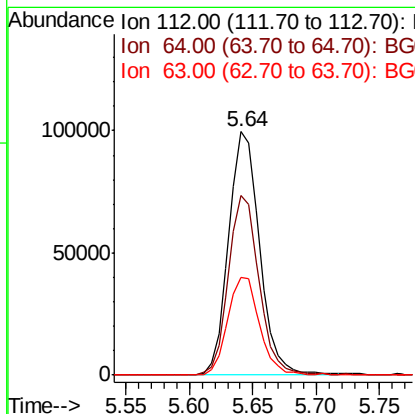
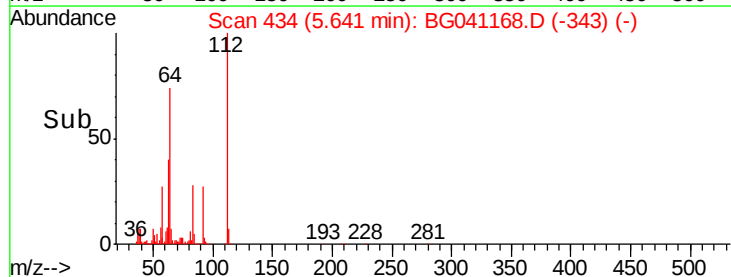
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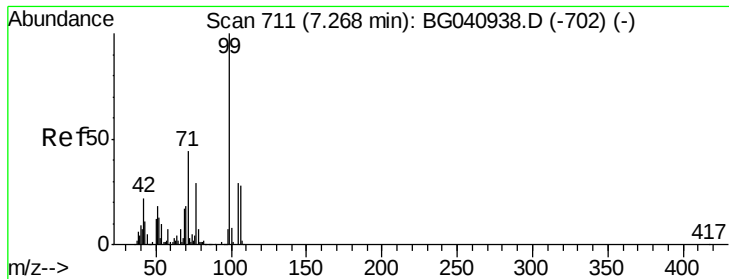
2-Fluorophenol
Concen: 64.558 ng
RT: 5.64 min Scan# 434
Delta R.T. 0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	56.2	84.2
63	40.3	32.8	49.2



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: 38.920 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Instrument :

BNA_G

ClientSampleId :

MW-2A

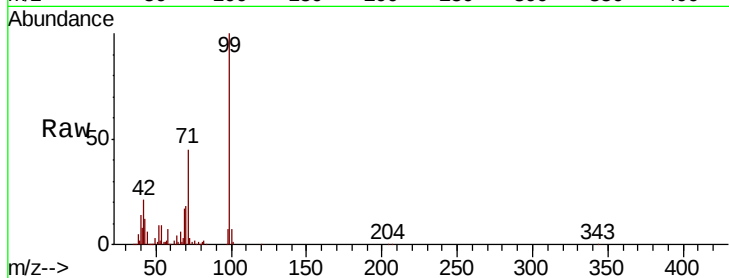
Tgt Ion: 99 Resp: 156996

Ion Ratio Lower Upper

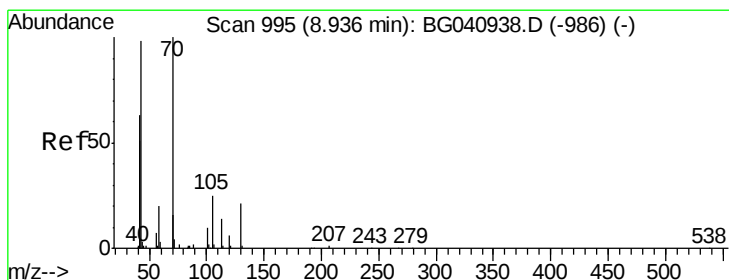
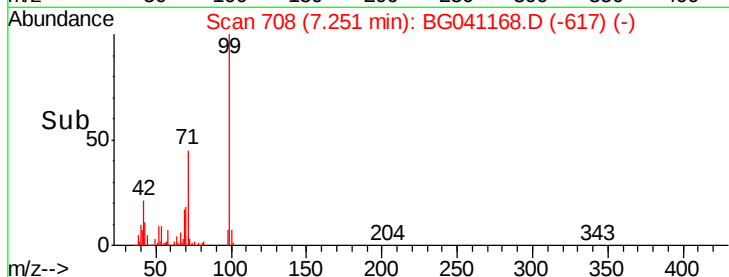
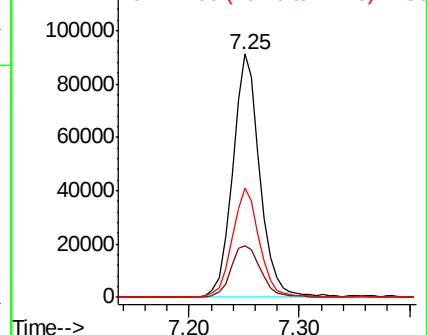
99 100

42 21.2 17.9 26.9

71 44.9 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: 18.863 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.37 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Tgt Ion: 70 Resp: 58555

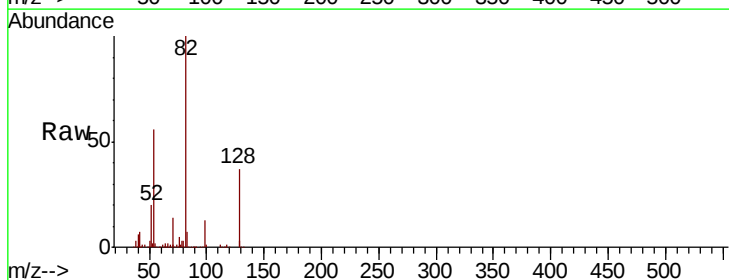
Ion Ratio Lower Upper

70 100

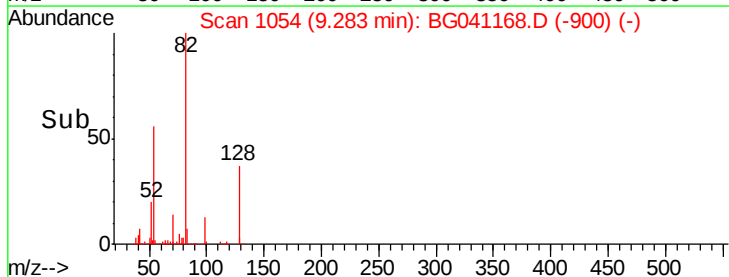
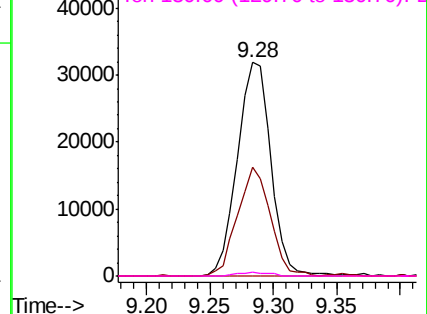
42 50.9 51.5 77.3#

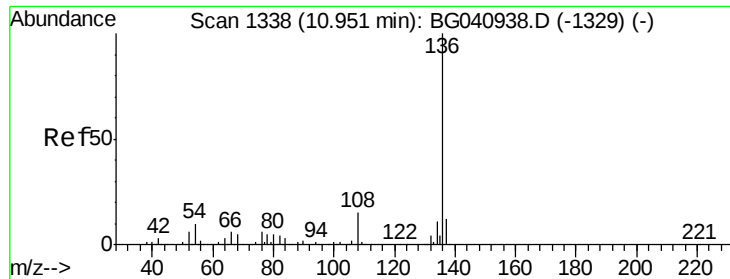
101 0.0 8.1 12.1#

130 1.8 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

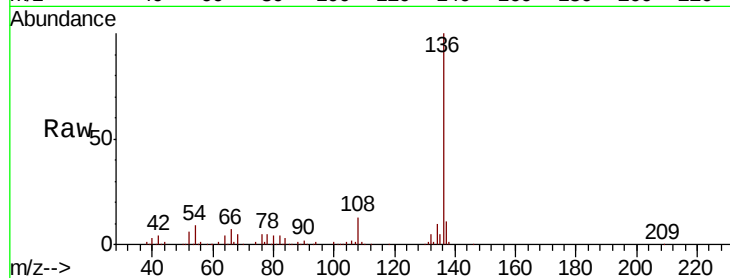




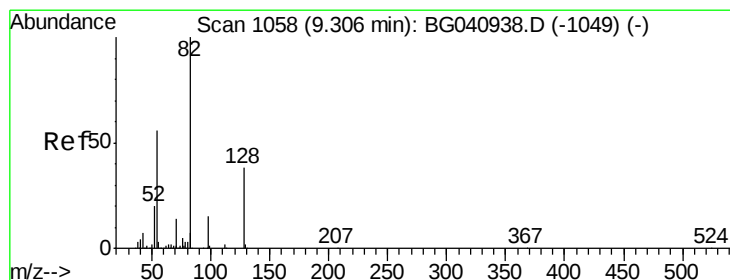
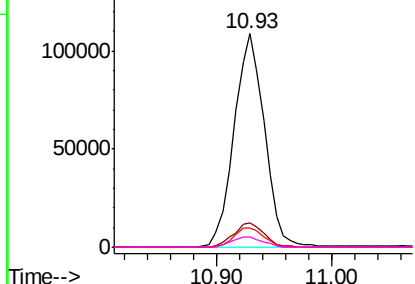
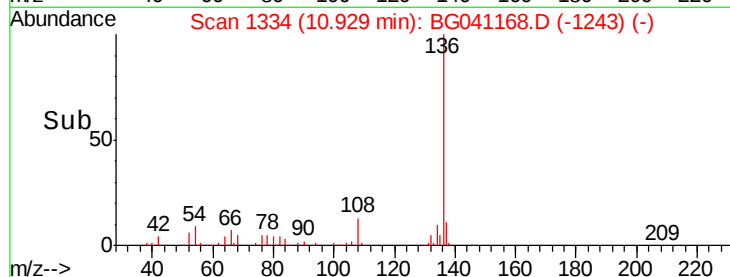
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Instrument :
BNA_G
ClientSampleId :
MW-2A

Tgt Ion:	136	Resp:	198570
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	9.1	7.6	11.4
68	4.7	3.9	5.9

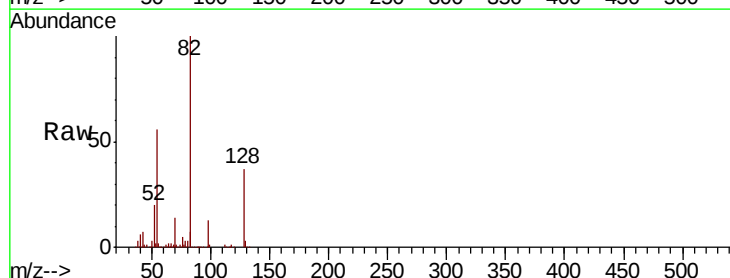


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

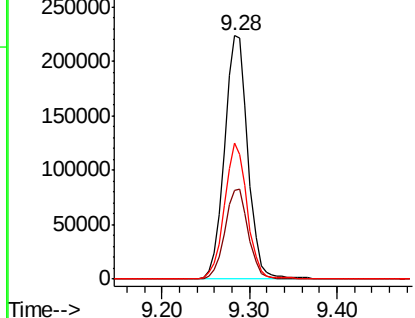
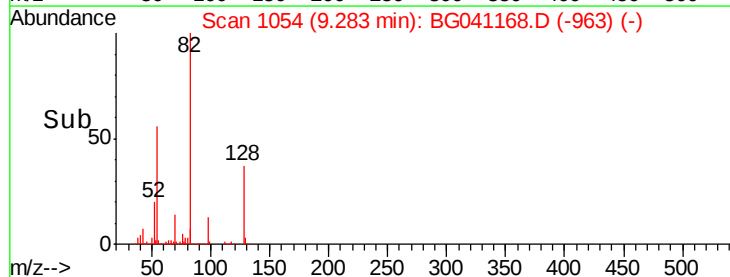


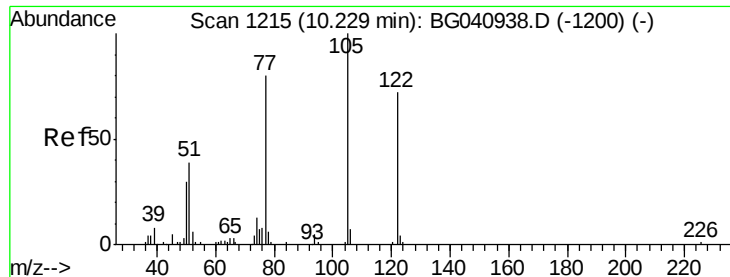
#23
Nitrobenzene-d5
Concen: 91.675 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Tgt Ion:	82	Resp:	410058
Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.5	45.7
54	55.7	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

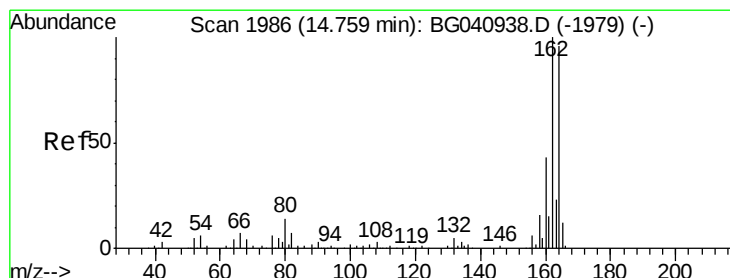
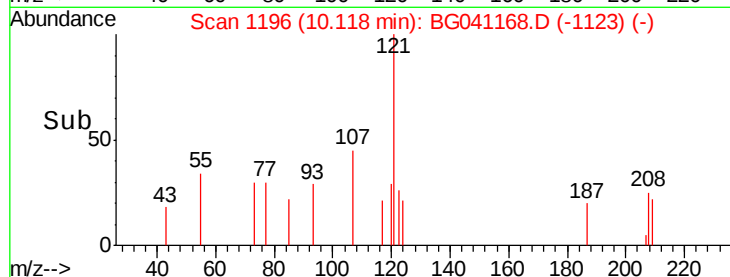
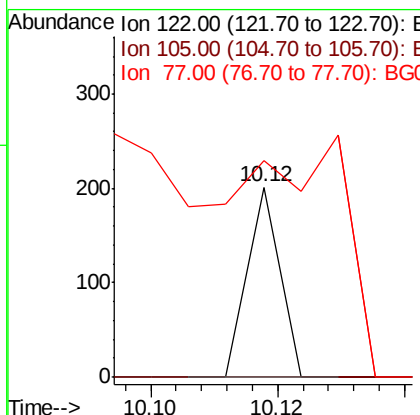
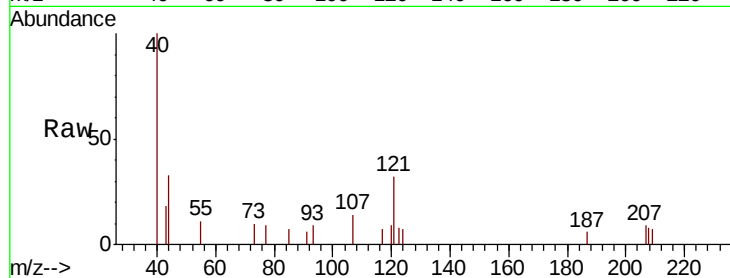




#32
Benzoic acid
Concen: 8.155 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.10 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

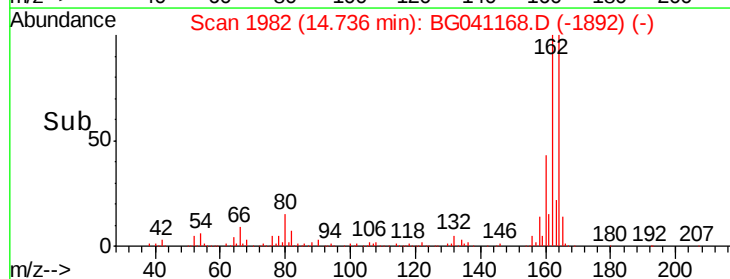
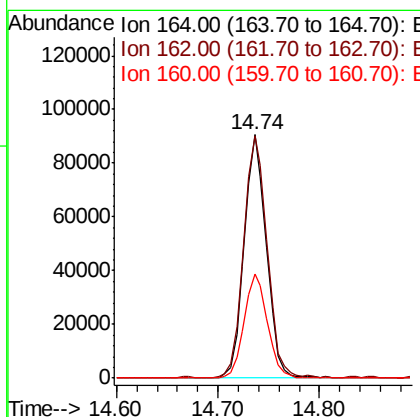
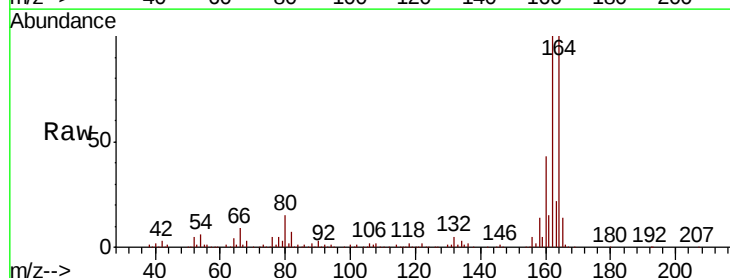
Instrument :
BNA_G
ClientSampleId :
MW-2A

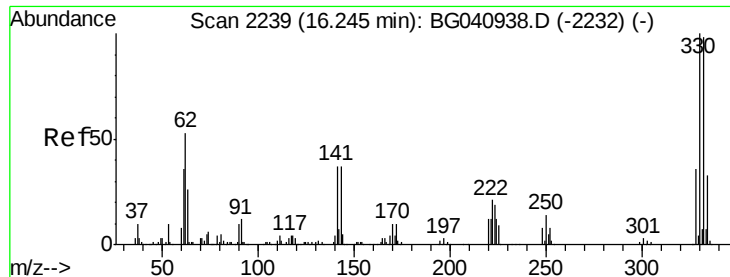
Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 114.4 89.9 129.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Tgt Ion:164 Resp: 137759
Ion Ratio Lower Upper
164 100
162 99.6 83.0 124.4
160 42.5 35.6 53.4

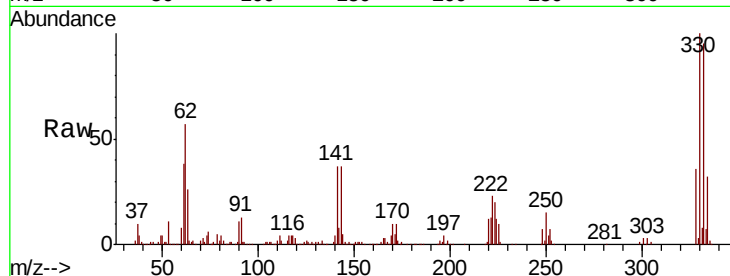




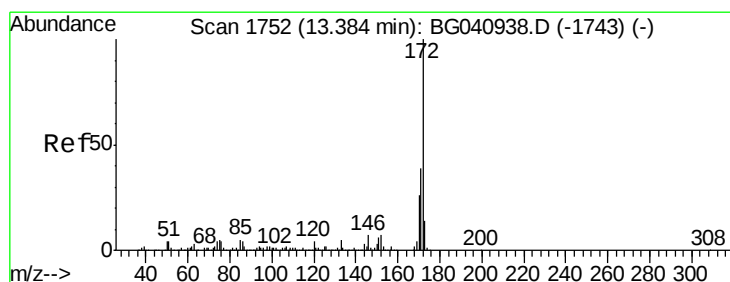
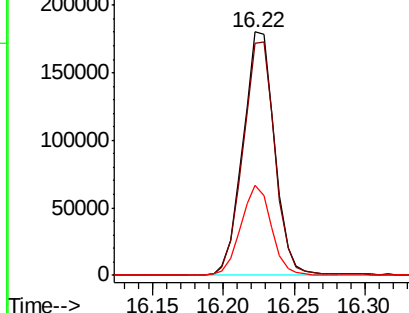
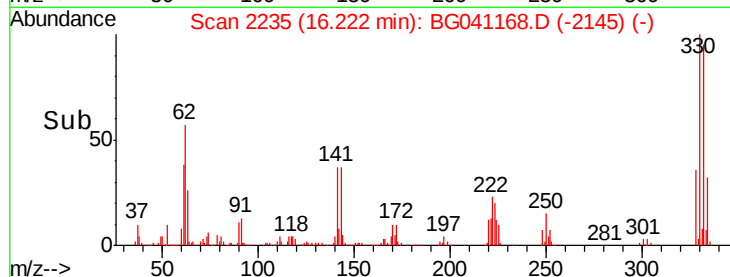
#42
 2,4,6-Tribromophenol
 Concen: 138.608 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041168.D
 Acq: 10 Jun 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :
 MW-2A

Tgt Ion:330 Resp: 283472
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.5 117.7
 141 35.9 28.7 43.1

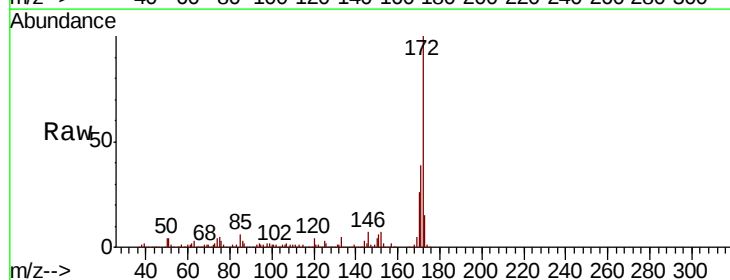


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

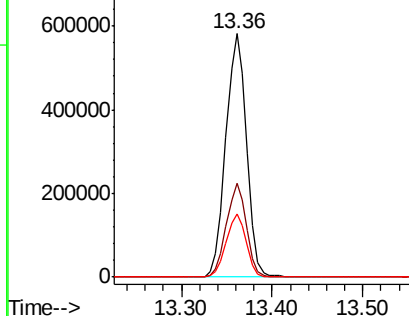
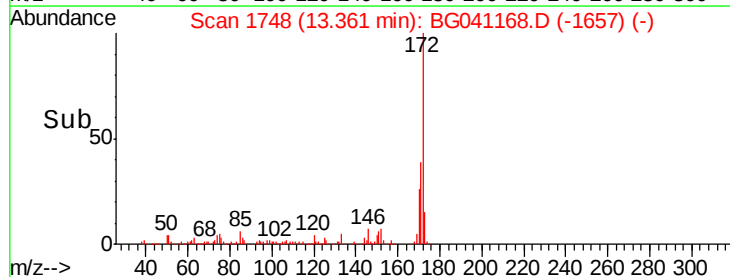


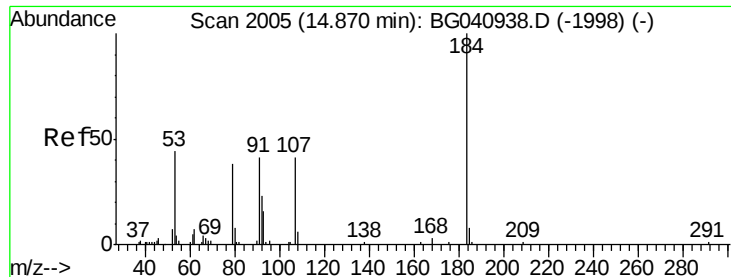
#45
 2-Fluorobiphenyl
 Concen: 96.786 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041168.D
 Acq: 10 Jun 2019 18:16

Tgt Ion:172 Resp: 925846
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.1 46.7
 170 25.8 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#54

2,4-Dinitrophenol

Concen: 8.305 ng

RT: 14.43 min Scan# 1930

Delta R.T. -0.43 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Instrument :

BNA_G

ClientSampleId :

MW-2A

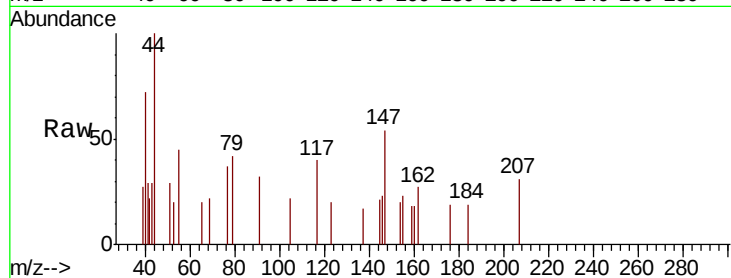
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

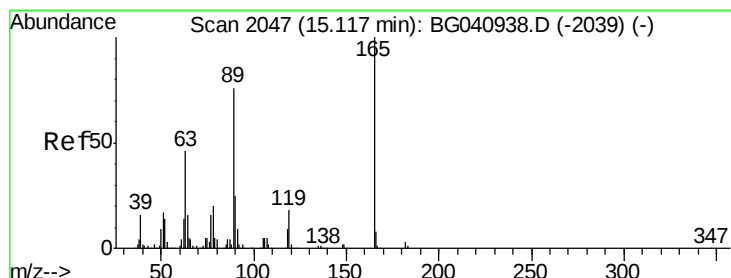
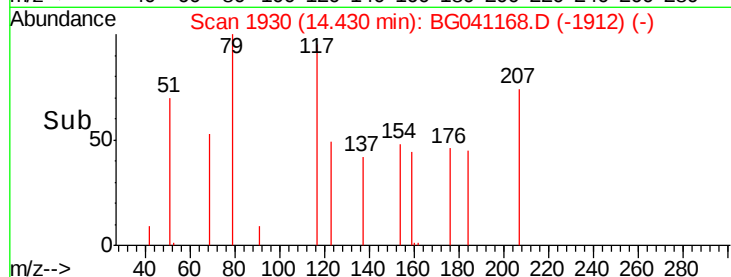
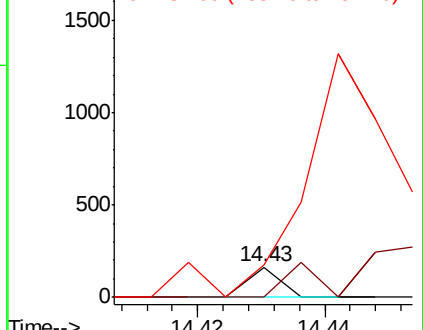
154 107.5 52.2 78.4#



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



#57

2,4-Dinitrotoluene

Concen: 4.976 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Tgt Ion:165 Resp: 17674

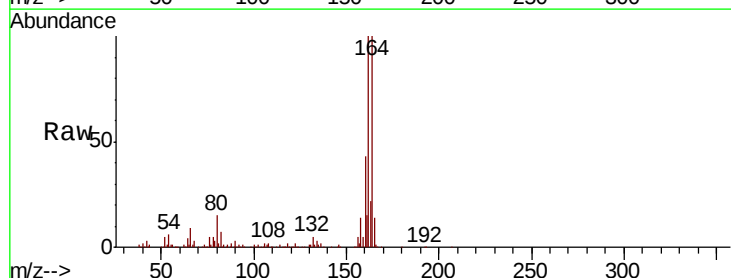
Ion Ratio Lower Upper

165 100

63 2.7 37.3 55.9#

89 1.8 61.0 91.6#

182 0.0 2.2 3.2#

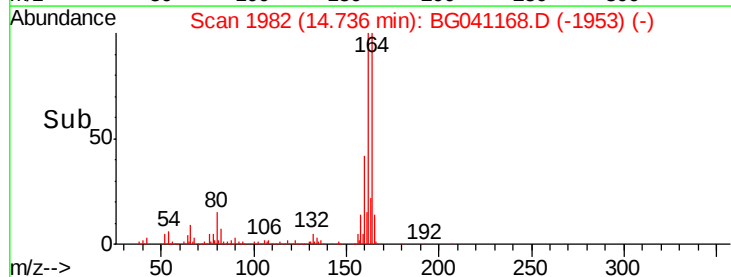
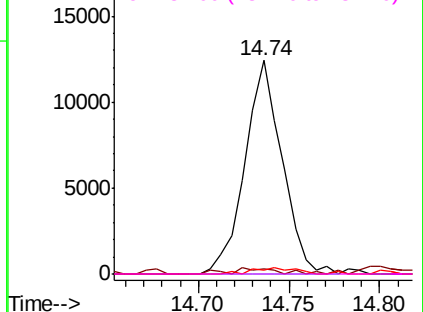


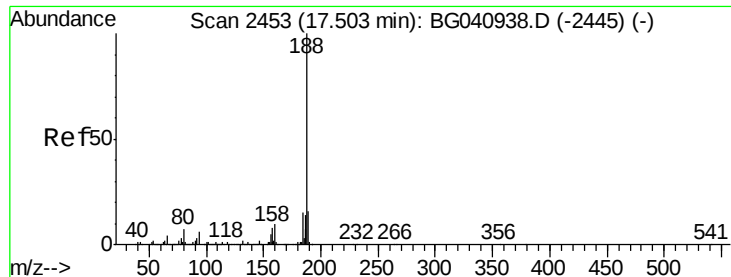
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041168.D

Acq: 10 Jun 2019 18:16

Instrument :

BNA_G

ClientSampleId :

MW-2A

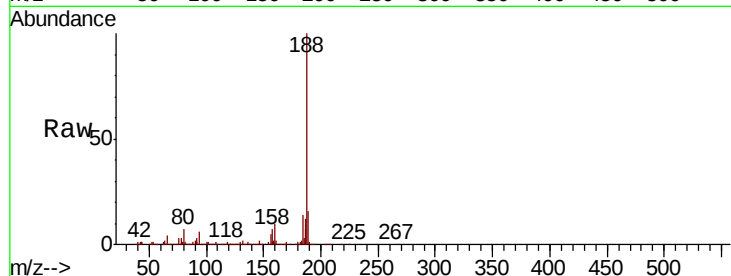
Tgt Ion:188 Resp: 320446

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

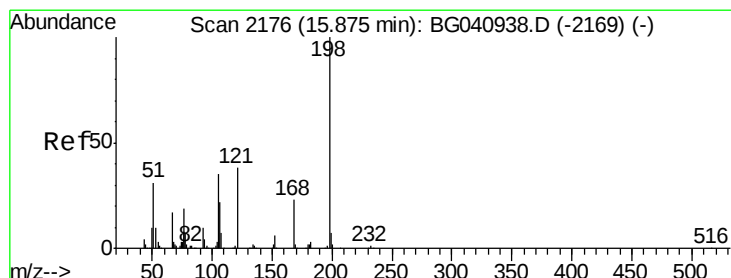
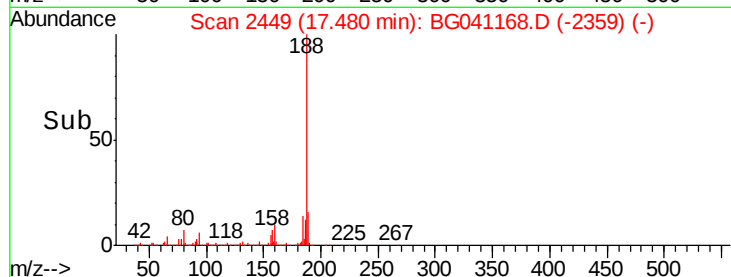
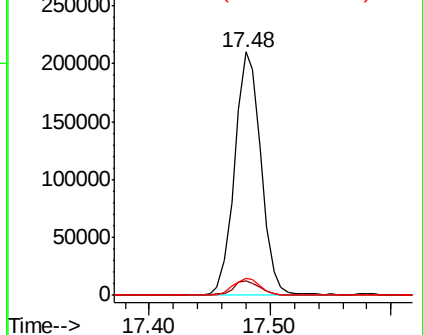
80 6.9 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 9.299 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.38 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

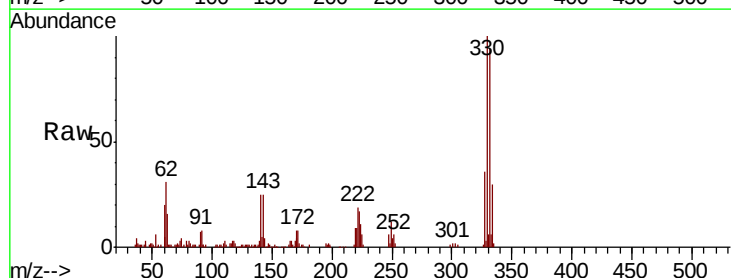
Tgt Ion:198 Resp: 1484

Ion Ratio Lower Upper

198 100

51 51.1 21.6 61.6

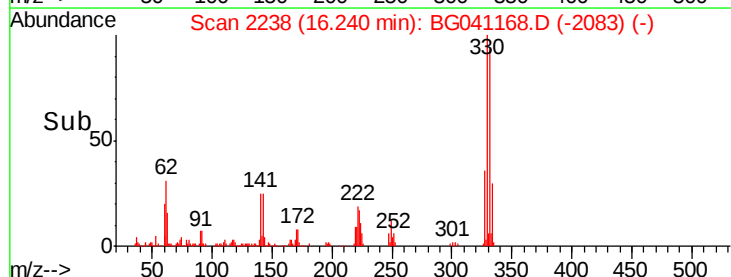
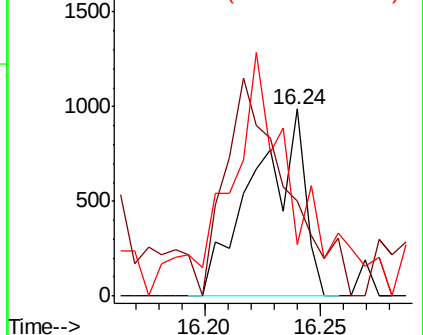
105 27.6 17.5 57.5

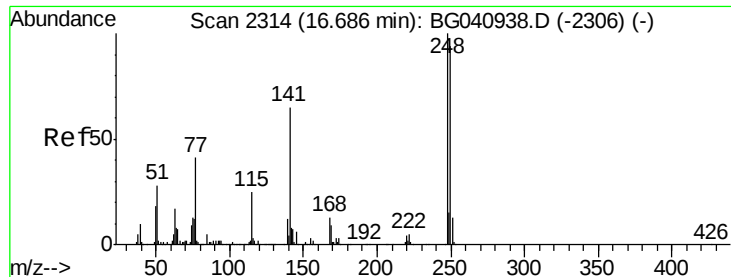


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.570 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.44 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Instrument :

BNA_G

ClientSampleId :

MW-2A

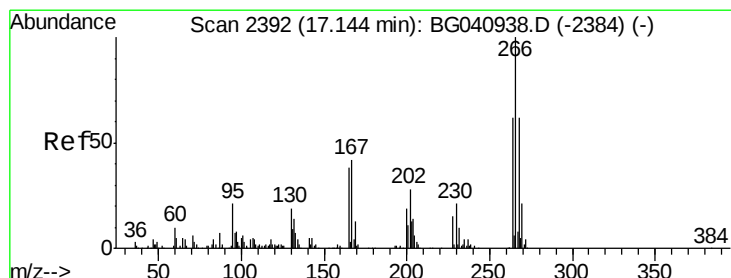
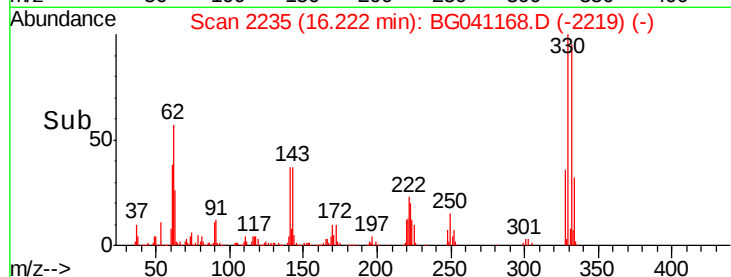
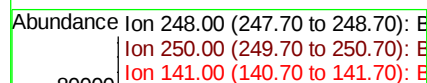
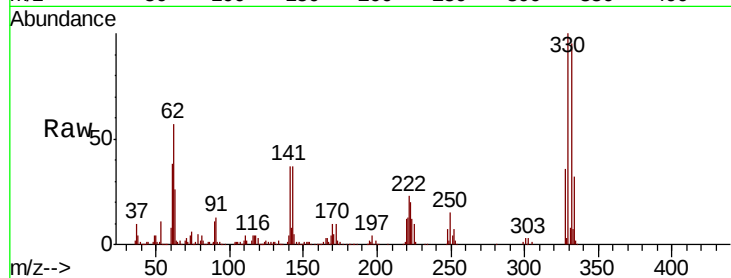
Tgt Ion:248 Resp: 19765

Ion Ratio Lower Upper

248 100

250 206.0 75.0 112.4#

141 523.6 52.4 78.6#



#70

Pentachlorophenol

Concen: 4.279 ng

RT: 17.12 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

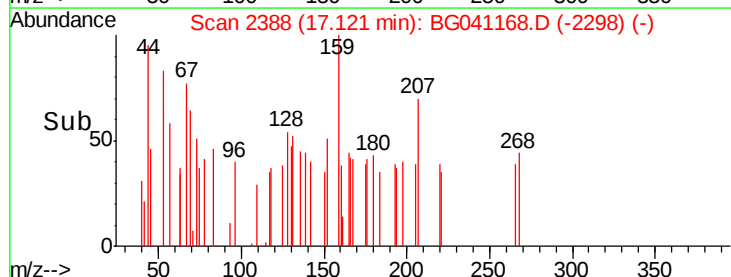
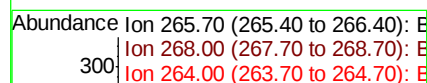
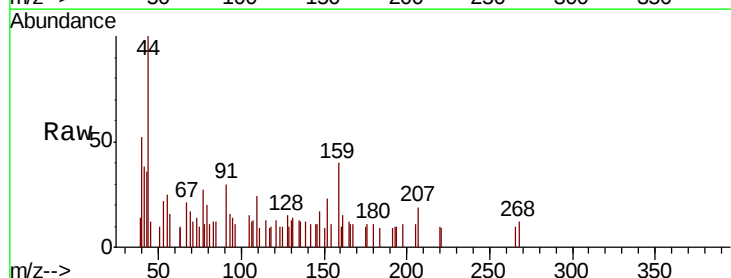
Tgt Ion:266 Resp: 60

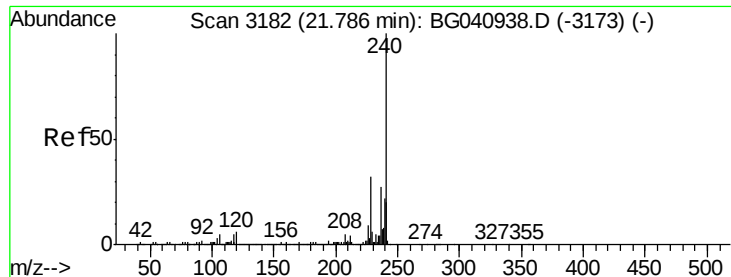
Ion Ratio Lower Upper

266 100

268 114.0 53.1 79.7#

264 0.0 49.9 74.9#

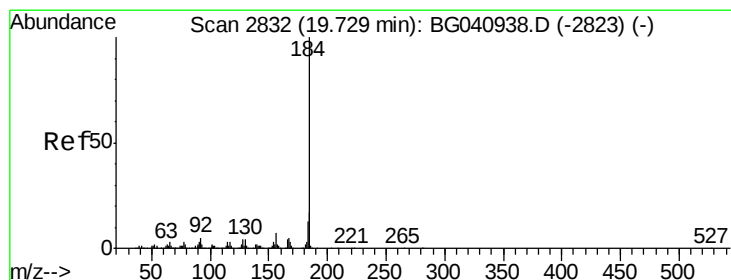
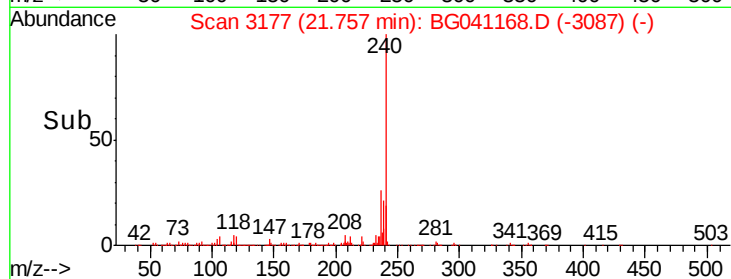
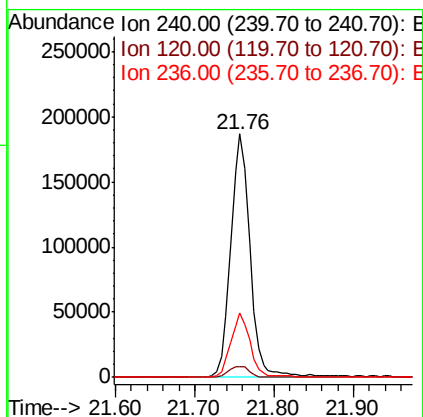
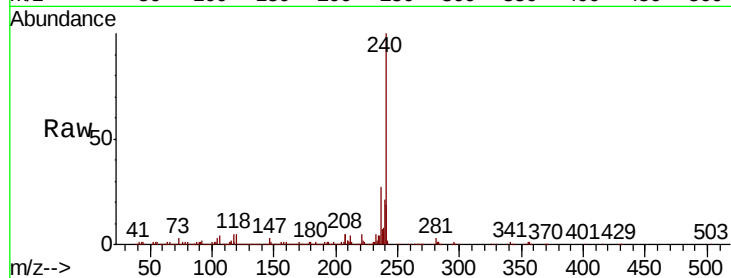




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

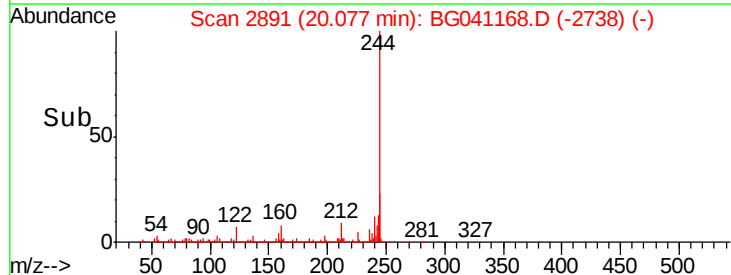
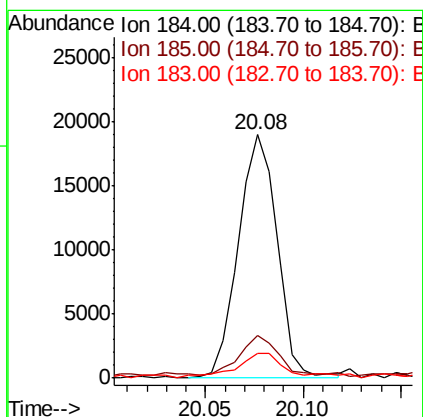
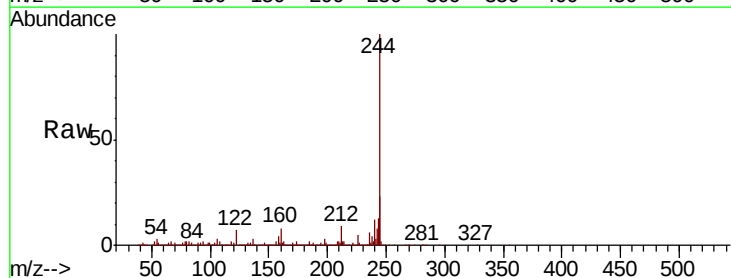
Instrument :
BNA_G
ClientSampleId :
MW-2A

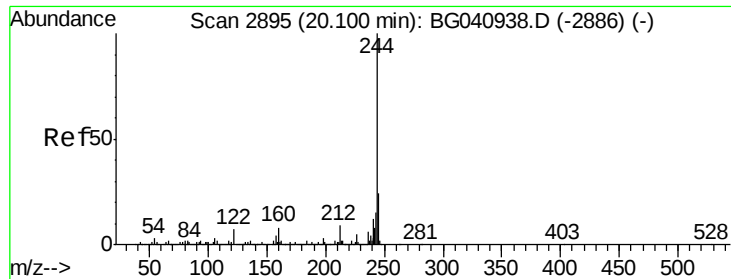
Tgt Ion:240 Resp: 317621
Ion Ratio Lower Upper
240 100
120 4.6 4.5 6.7
236 26.5 21.3 31.9



#77
Benzidine
Concen: 3.469 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041168.D
Acq: 10 Jun 2019 18:16

Tgt Ion:184 Resp: 26284
Ion Ratio Lower Upper
184 100
185 17.5 13.3 19.9
183 9.9 10.7 16.1#





#79

Terphenyl-d14

Concen: 97.642 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

Instrument :

BNA_G

ClientSampleId :

MW-2A

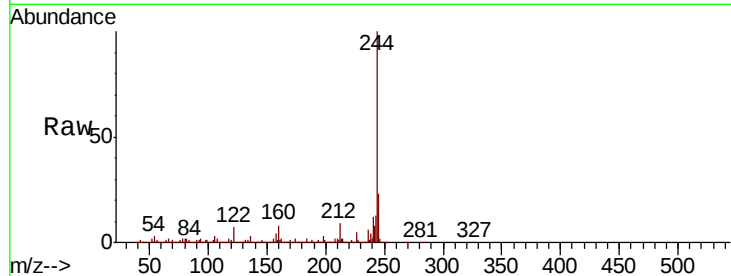
Tgt Ion:244 Resp: 1461265

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

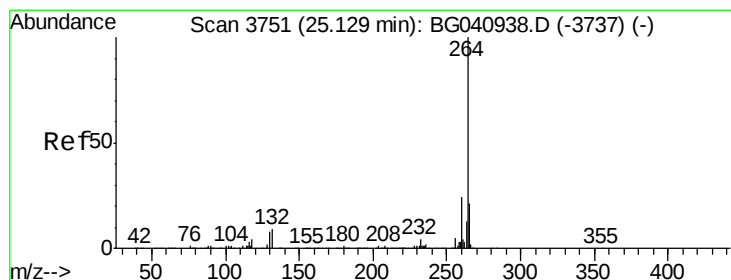
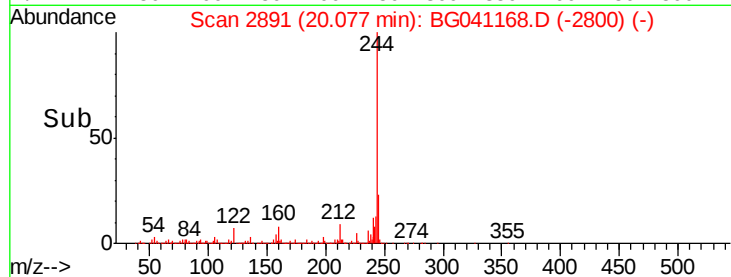
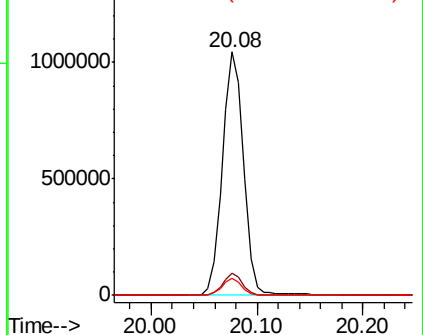
122 7.1 5.4 8.0



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: 25.08 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BG041168.D

Acq: 10 Jun 2019 18:16

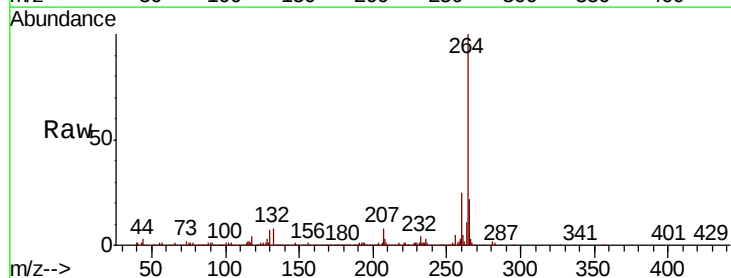
Tgt Ion:264 Resp: 307902

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.4

265 22.0 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

