

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062719\
 Data File : BG041509.D
 Acq On : 28 Jun 2019 7:39
 Operator : HP/JU
 Sample : K3157-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

Quant Time: Jun 28 08:26:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

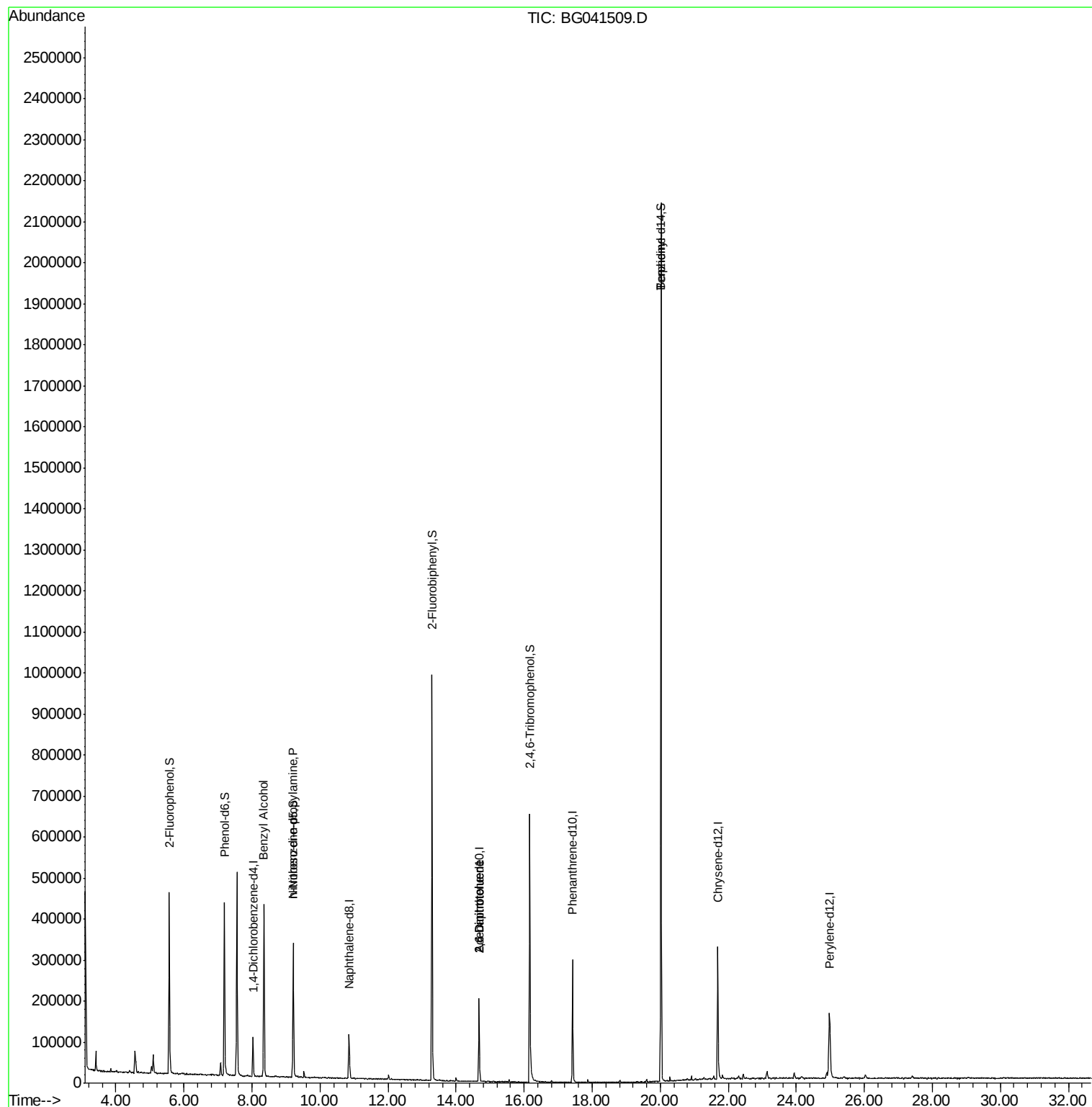
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26880	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	96580	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	71968	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	197180	20.00	ng	0.00
76) Chrysene-d12	21.70	240	216492	20.00	ng	0.00
87) Perylene-d12	24.97	264	222627	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	177932	118.02	ng	0.00
7) Phenol-d6	7.19	99	227718	107.29	ng	0.00
23) Nitrobenzene-d5	9.21	82	198931	85.91	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	144025	117.21	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	492064	87.74	ng	0.00
79) Terphenyl-d14	20.03	244	1067024	104.74	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3805	2.251	ng	Qvalue
19) n-Nitroso-di-n-propylamine	9.21	70	27783	17.549	ng	# 53
51) 2,6-Dinitrotoluene	14.67	165	9656	6.948	ng	# 75
57) 2,4-Dinitrotoluene	14.67	165	9656	4.789	ng	# 17
77) Benzidine	20.03	184	17951	3.737	ng	# 21
						95

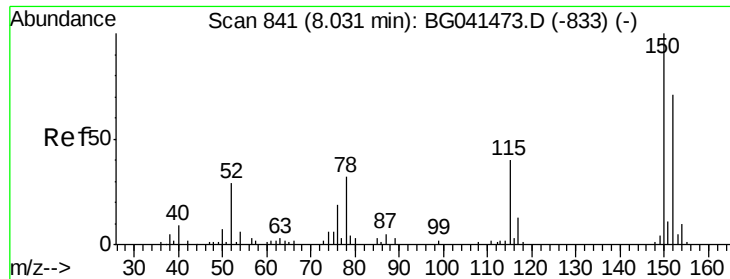
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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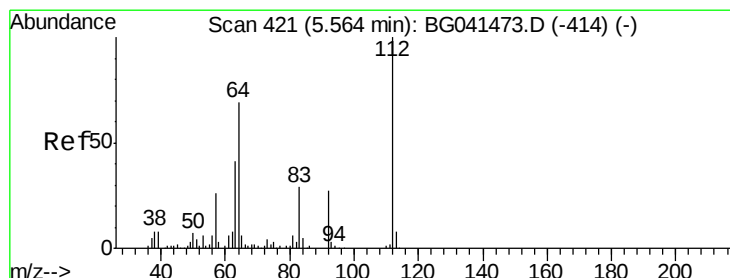
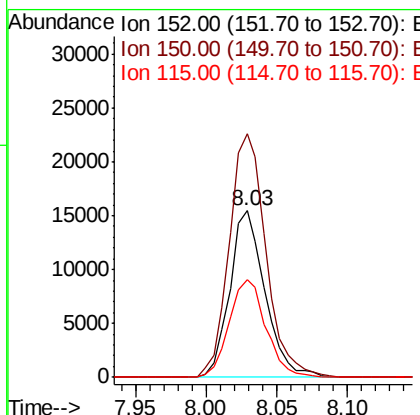
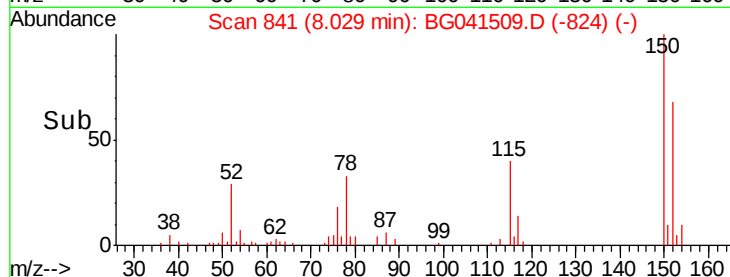
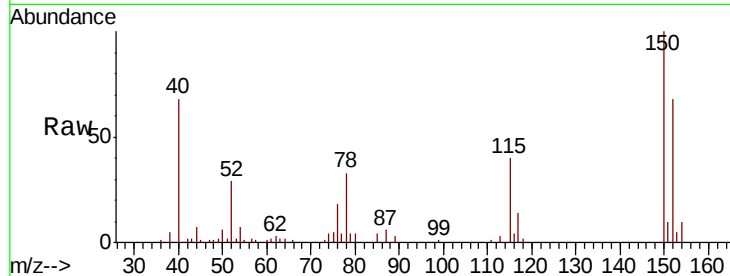




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

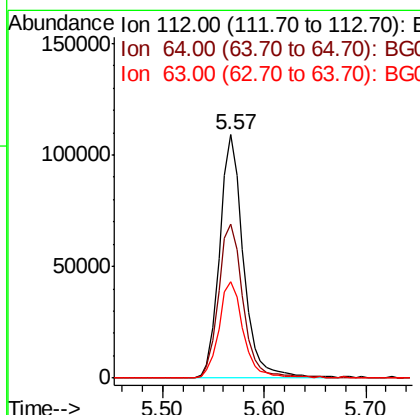
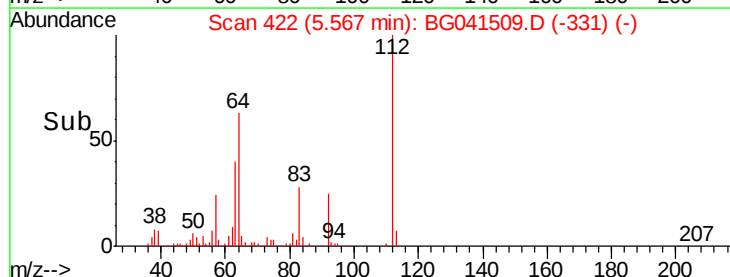
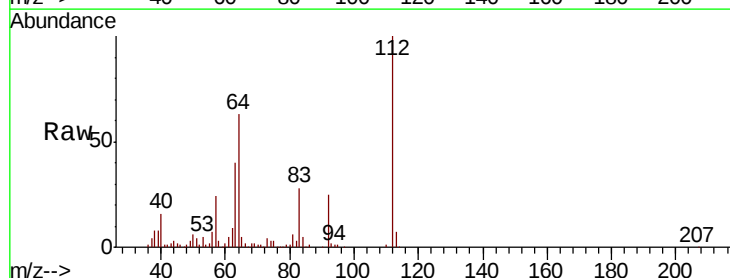
Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

Tgt Ion:152 Resp: 26880
 Ion Ratio Lower Upper
 152 100
 150 146.0 112.4 168.6
 115 58.6 44.6 66.8



#5
 2-Fluorophenol
 Concen: 118.016 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Tgt Ion:112 Resp: 177932
 Ion Ratio Lower Upper
 112 100
 64 63.4 55.1 82.7
 63 39.8 32.4 48.6





#7

Phenol-d6

Concen: 107.291 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

Instrument :

BNA_G

ClientSampled :

GWMH-7

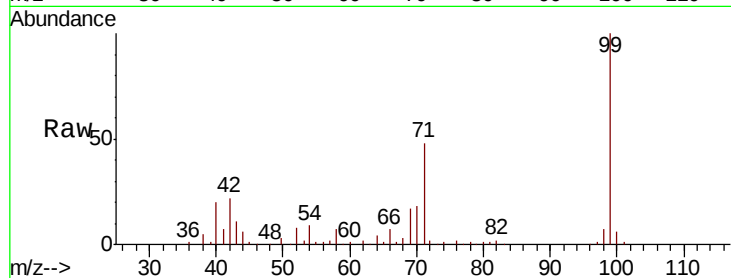
Tgt Ion: 99 Resp: 227718

Ion Ratio Lower Upper

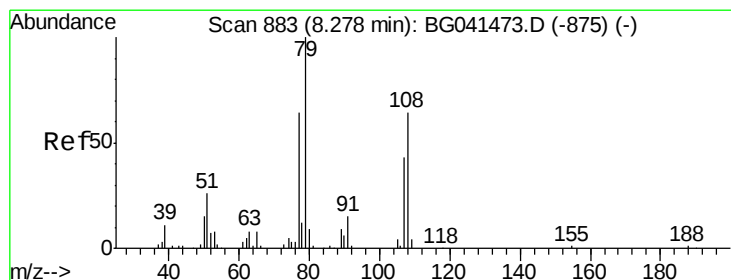
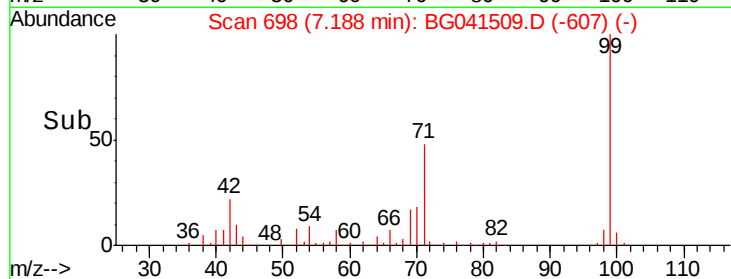
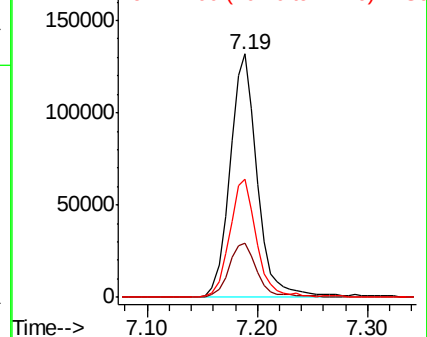
99 100

42 22.2 19.0 28.6

71 48.3 37.4 56.2



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



#15

Benzyl Alcohol

Concen: 2.251 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

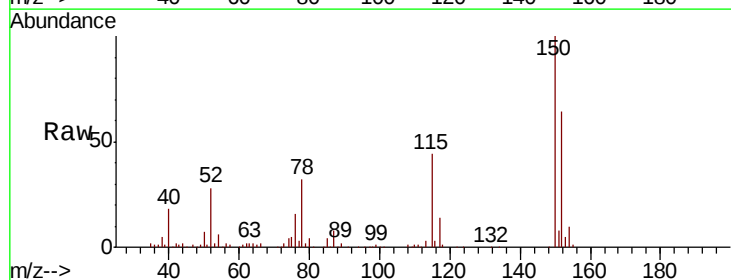
Tgt Ion: 79 Resp: 3805

Ion Ratio Lower Upper

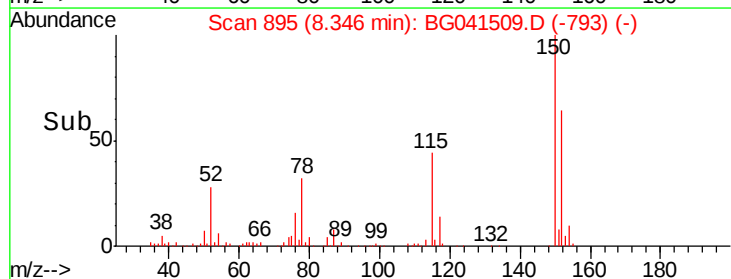
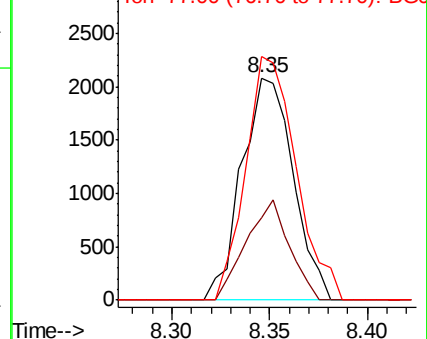
79 100

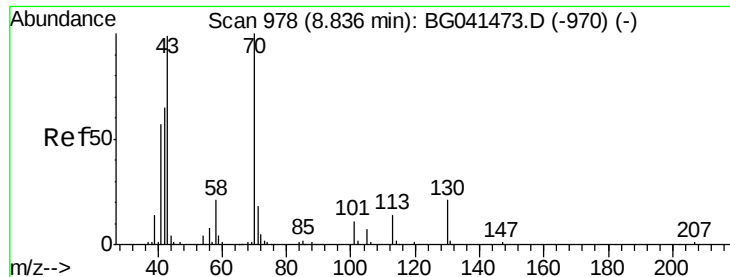
108 37.1 51.4 77.0#

77 109.5 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.549 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

Instrument :

BNA_G

ClientSampleId :

GWMH-7

Tgt Ion: 70 Resp: 27783

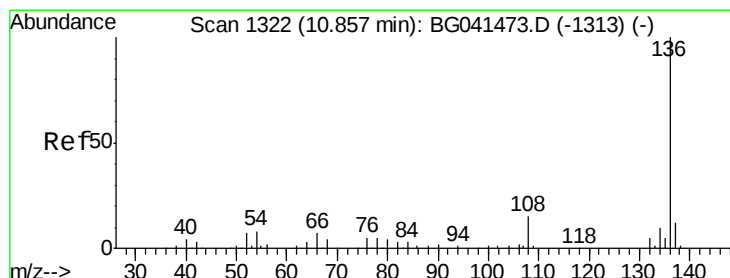
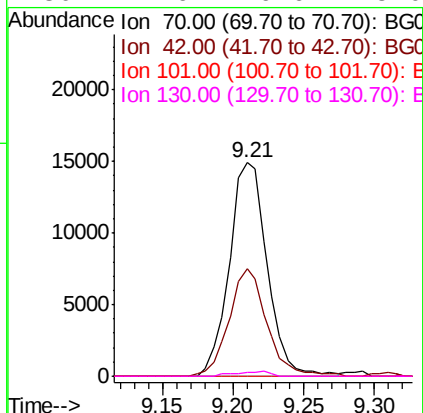
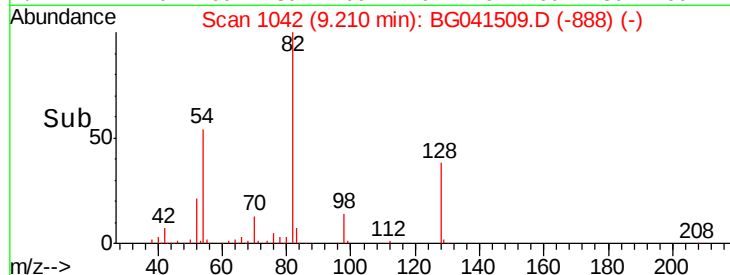
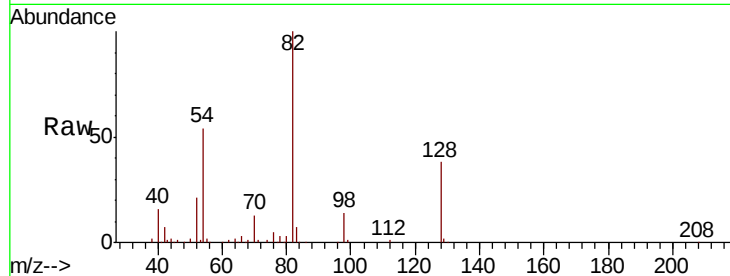
Ion Ratio Lower Upper

70 100

42 50.6 52.6 78.8#

101 0.0 8.6 13.0#

130 1.6 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

Tgt Ion: 136 Resp: 96580

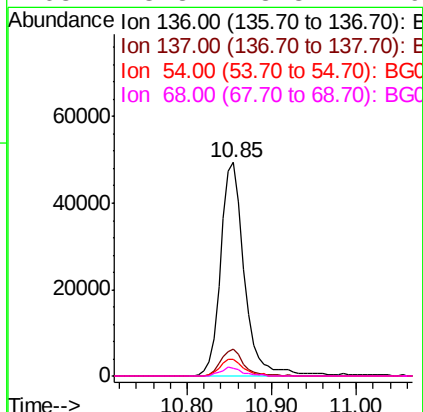
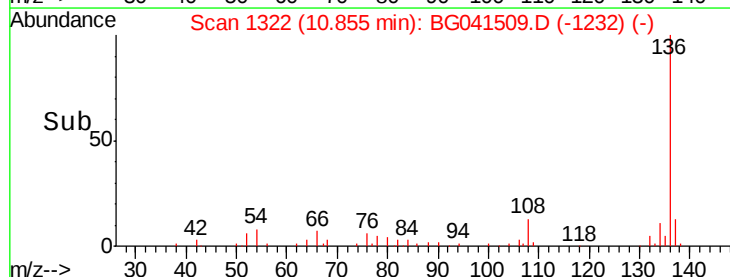
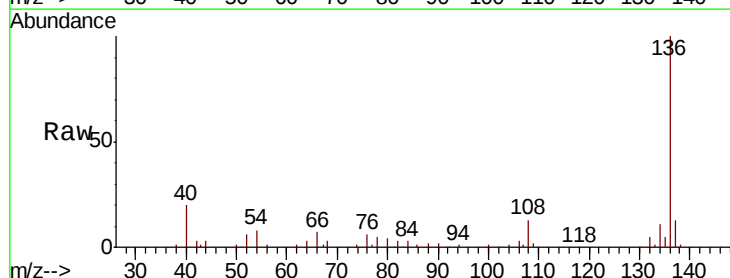
Ion Ratio Lower Upper

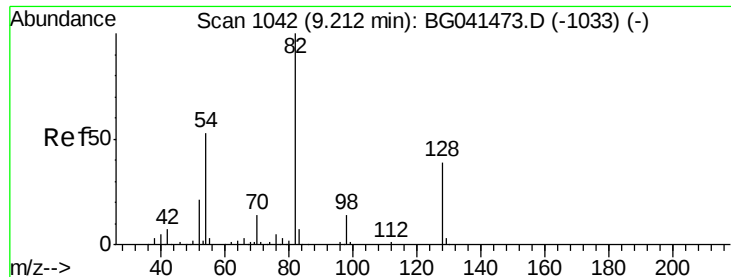
136 100

137 12.6 9.3 13.9

54 7.6 7.1 10.7

68 3.3 3.3 4.9

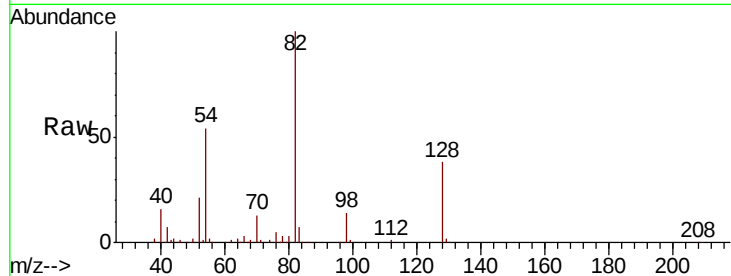




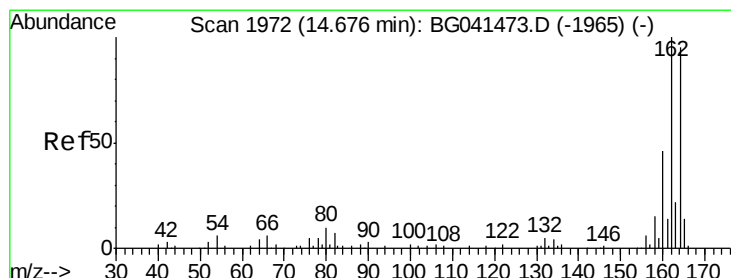
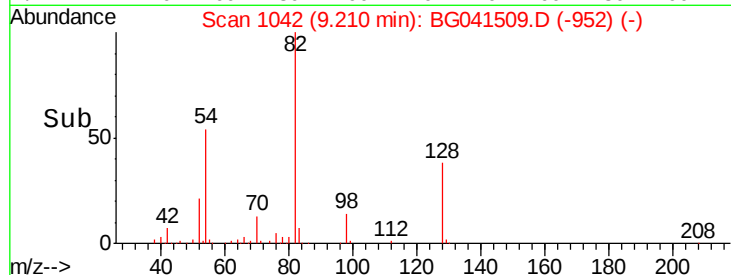
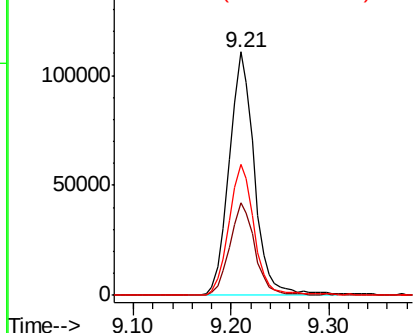
#23
 Nitrobenzene-d5
 Concen: 85.906 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Instrument :
 BNA_G
 ClientSampled :
 GWMH-7

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.9	46.3
54	53.8	42.2	63.2

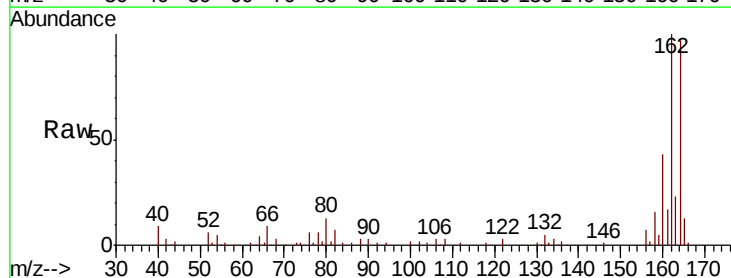


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

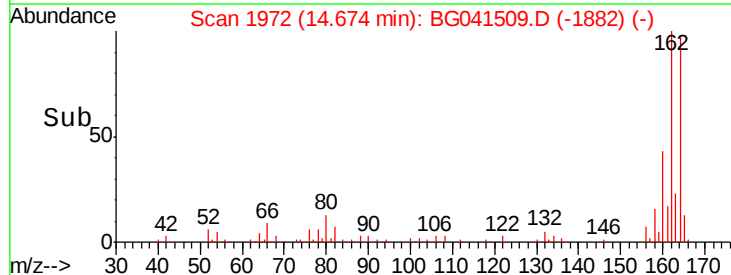
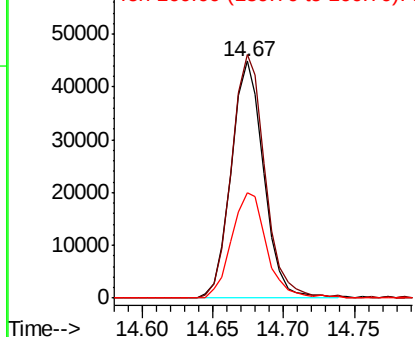


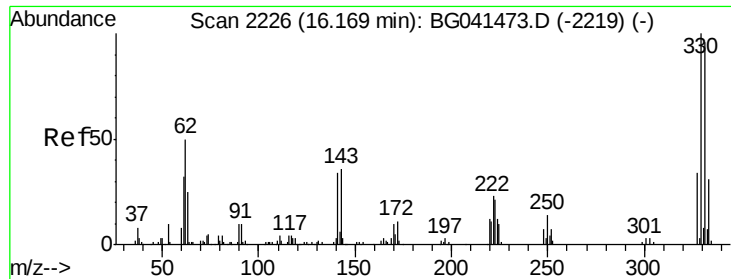
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.4	126.6
160	44.5	38.8	58.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

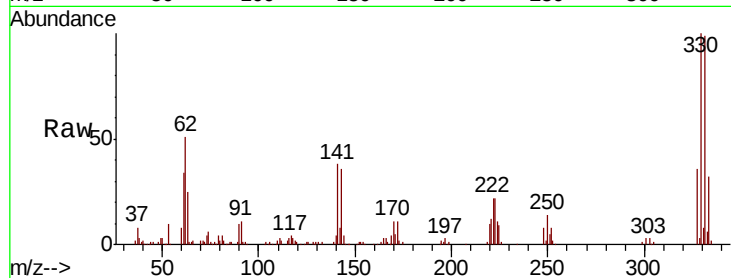




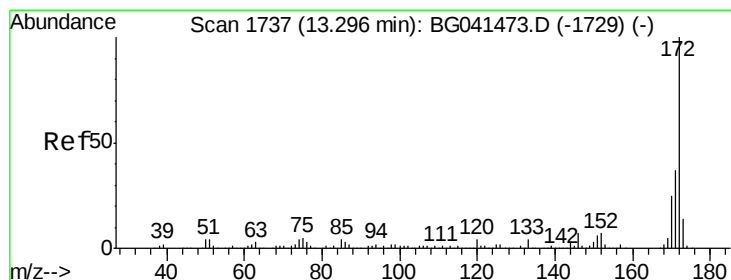
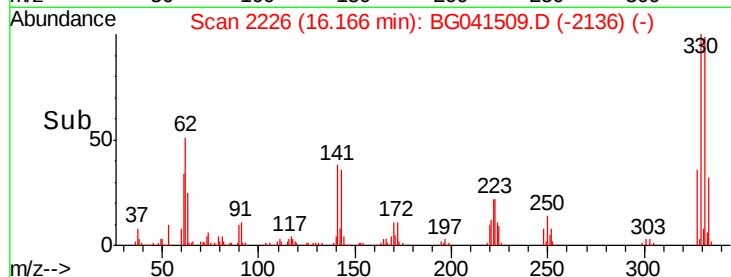
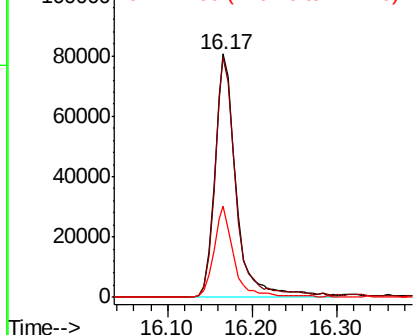
#42
 2,4,6-Tribromophenol
 Concen: 117.207 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

Tgt Ion:330 Resp: 144025
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.5 113.3
 141 34.8 27.8 41.6

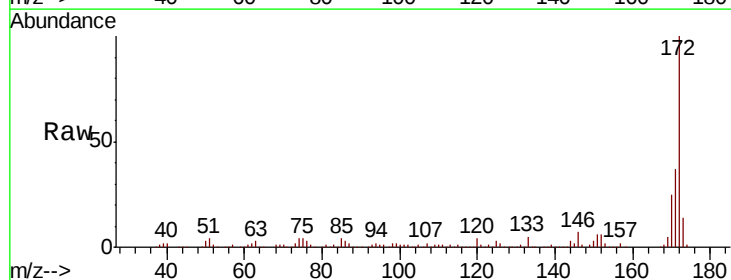


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

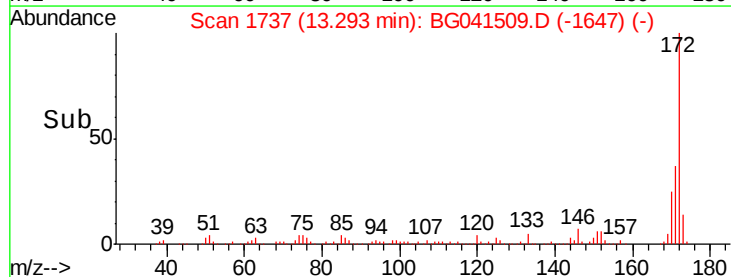
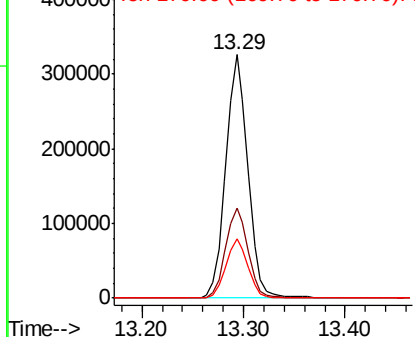


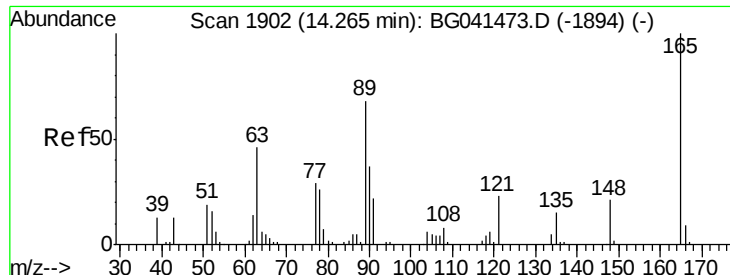
#45
 2-Fluorobiphenyl
 Concen: 87.740 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Tgt Ion:172 Resp: 492064
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.6 20.0 30.0



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

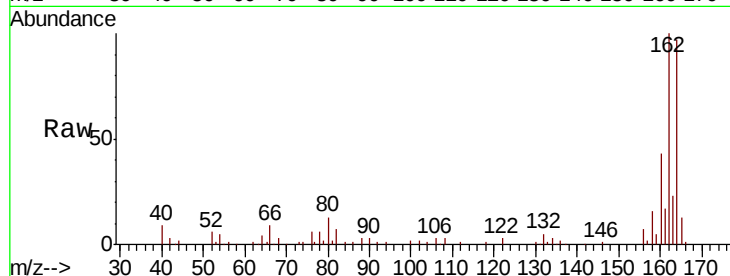




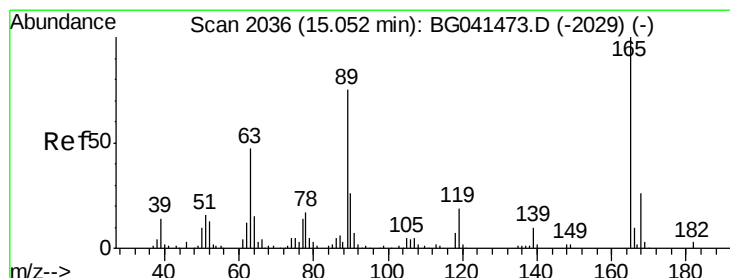
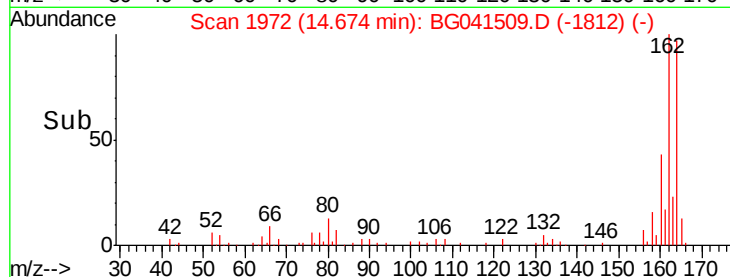
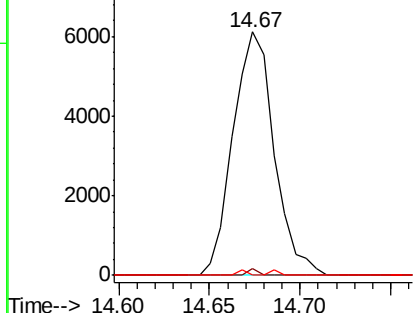
#51
 2,6-Dinitrotoluene
 Concen: 6.948 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Instrument :
 BNA_G
 ClientSampleId :
 GWMH-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	56.4	84.6#
89	0.0	54.6	81.8#

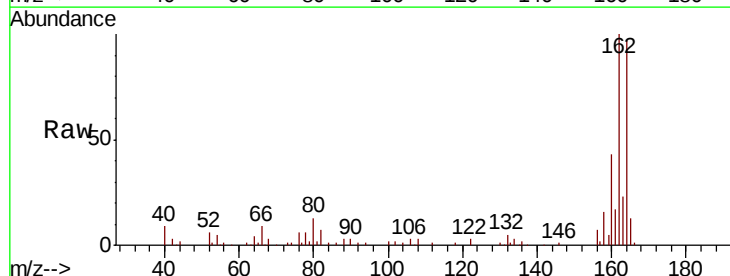


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

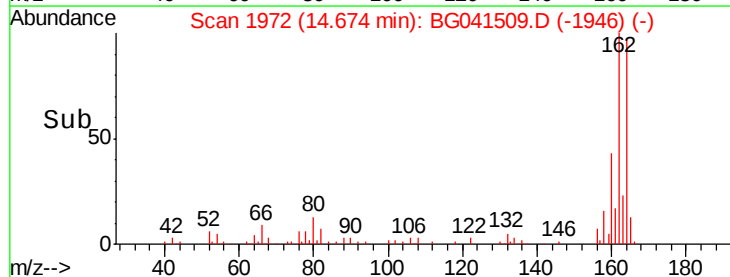
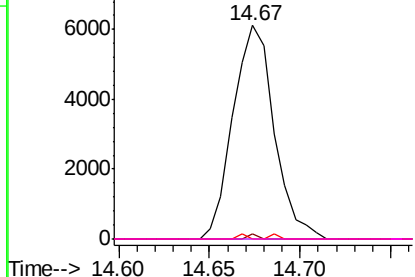


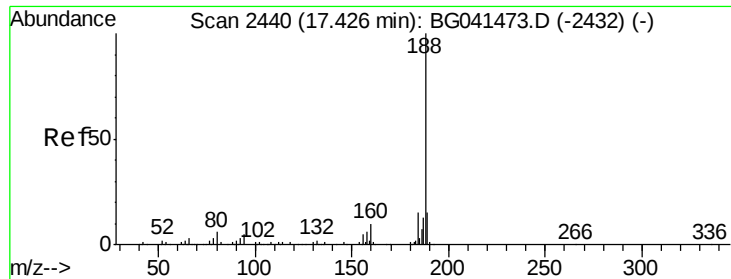
#57
 2,4-Dinitrotoluene
 Concen: 4.789 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041509.D
 Acq: 28 Jun 2019 7:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	38.8	58.2#
89	0.0	60.1	90.1#
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: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

Instrument :

BNA_G

ClientSampleId :

GWMH-7

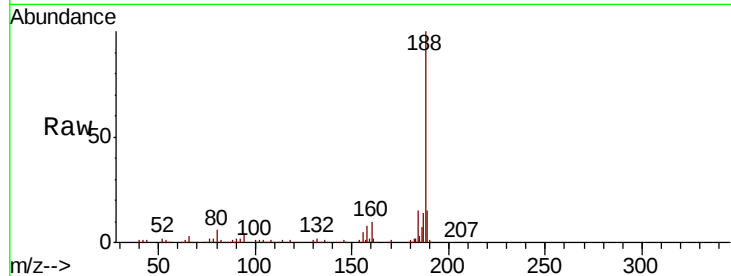
Tgt Ion:188 Resp: 197180

Ion Ratio Lower Upper

188 100

94 4.3 3.8 5.8

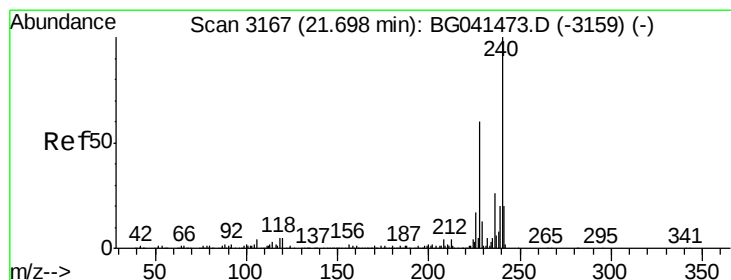
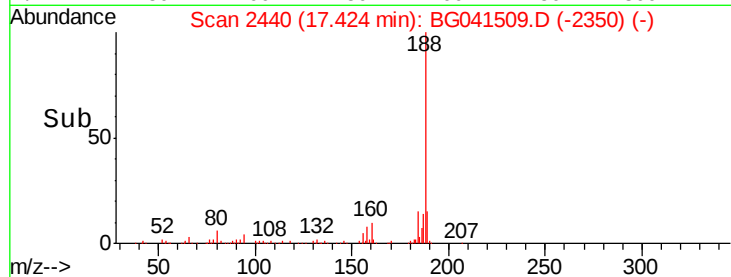
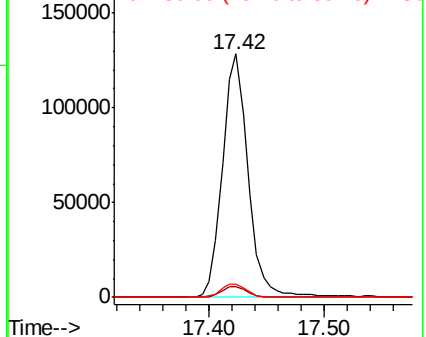
80 5.6 4.8 7.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

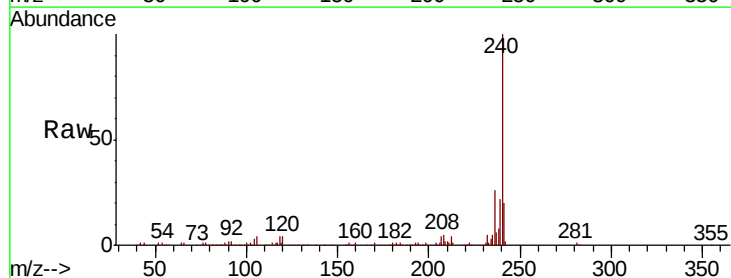
Tgt Ion:240 Resp: 216492

Ion Ratio Lower Upper

240 100

120 4.0 3.7 5.5

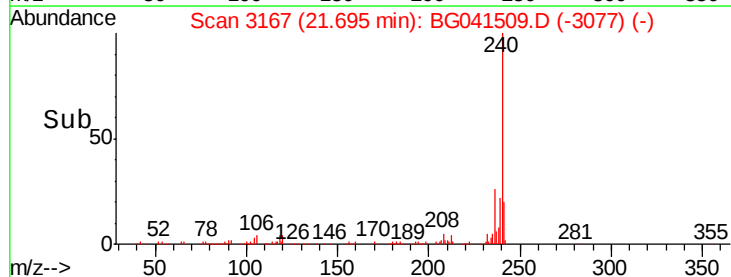
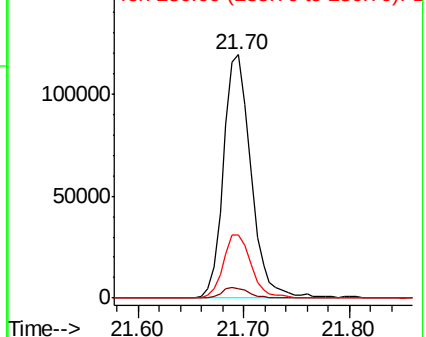
236 26.1 20.8 31.2

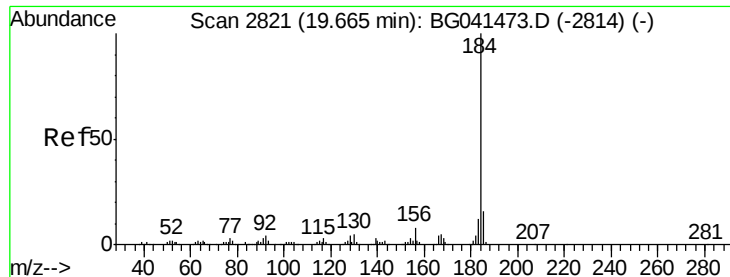


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.737 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

Instrument :

BNA_G

ClientSampleId :

GWMH-7

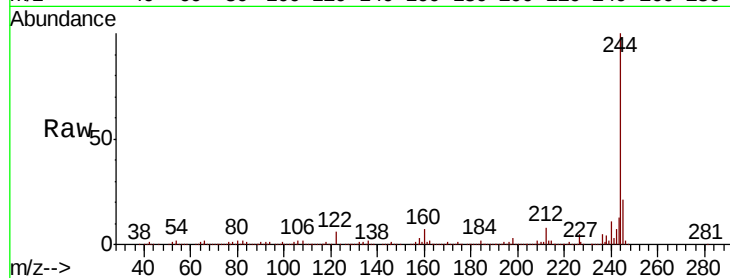
Tgt Ion:184 Resp: 17951

Ion Ratio Lower Upper

184 100

185 17.8 12.7 19.1

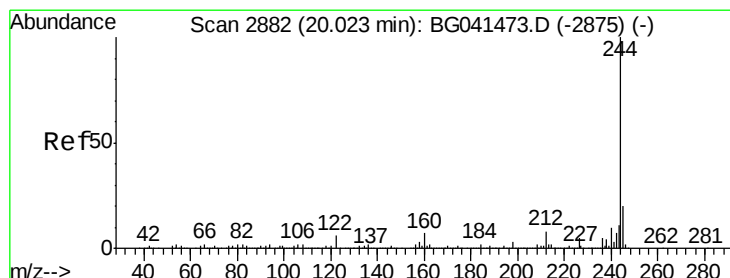
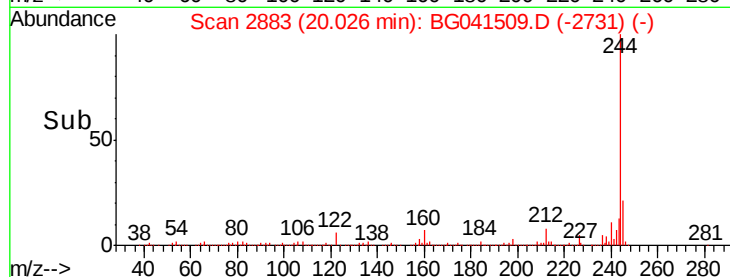
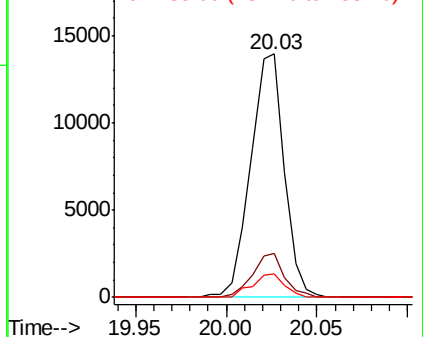
183 9.7 9.4 14.2



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: 104.739 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041509.D

Acq: 28 Jun 2019 7:39

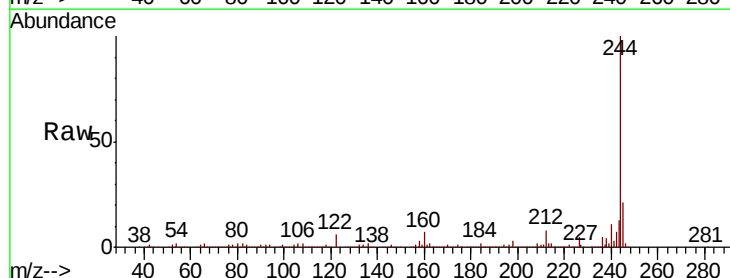
Tgt Ion:244 Resp: 1067024

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

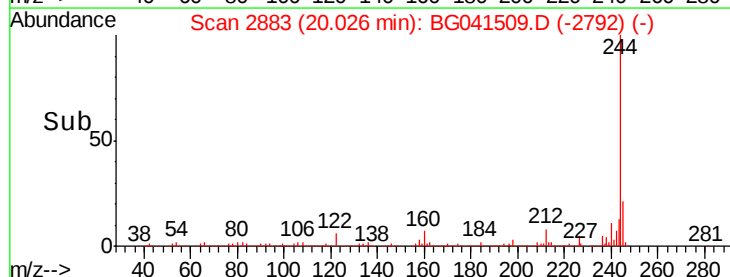
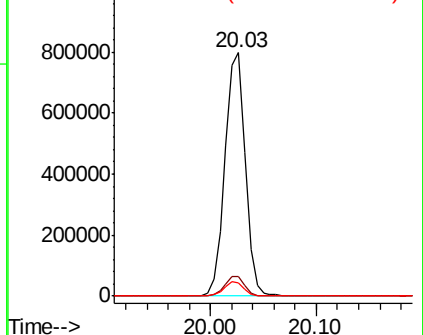
122 5.6 4.8 7.2

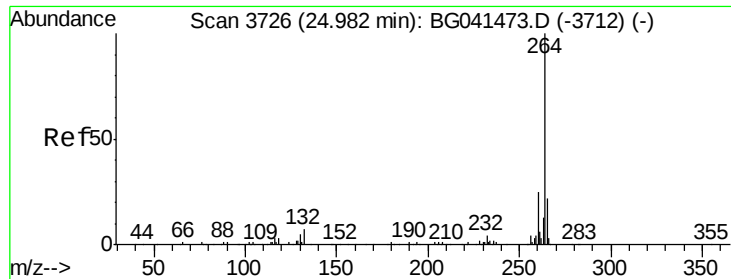


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.97 min Scan# 3725
Delta R.T. -0.01 min
Lab File: BG041509.D
Acq: 28 Jun 2019 7:39

Instrument :
BNA_G
ClientSampleId :
GWMH-7

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.7	29.5
265	21.4	17.4	26.2

