

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060091.D
 Acq On : 19 Dec 2023 18:48
 Operator : MA/JU
 Sample : 05612-05DL2 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06SDL2

Quant Time: Dec 20 00:46:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

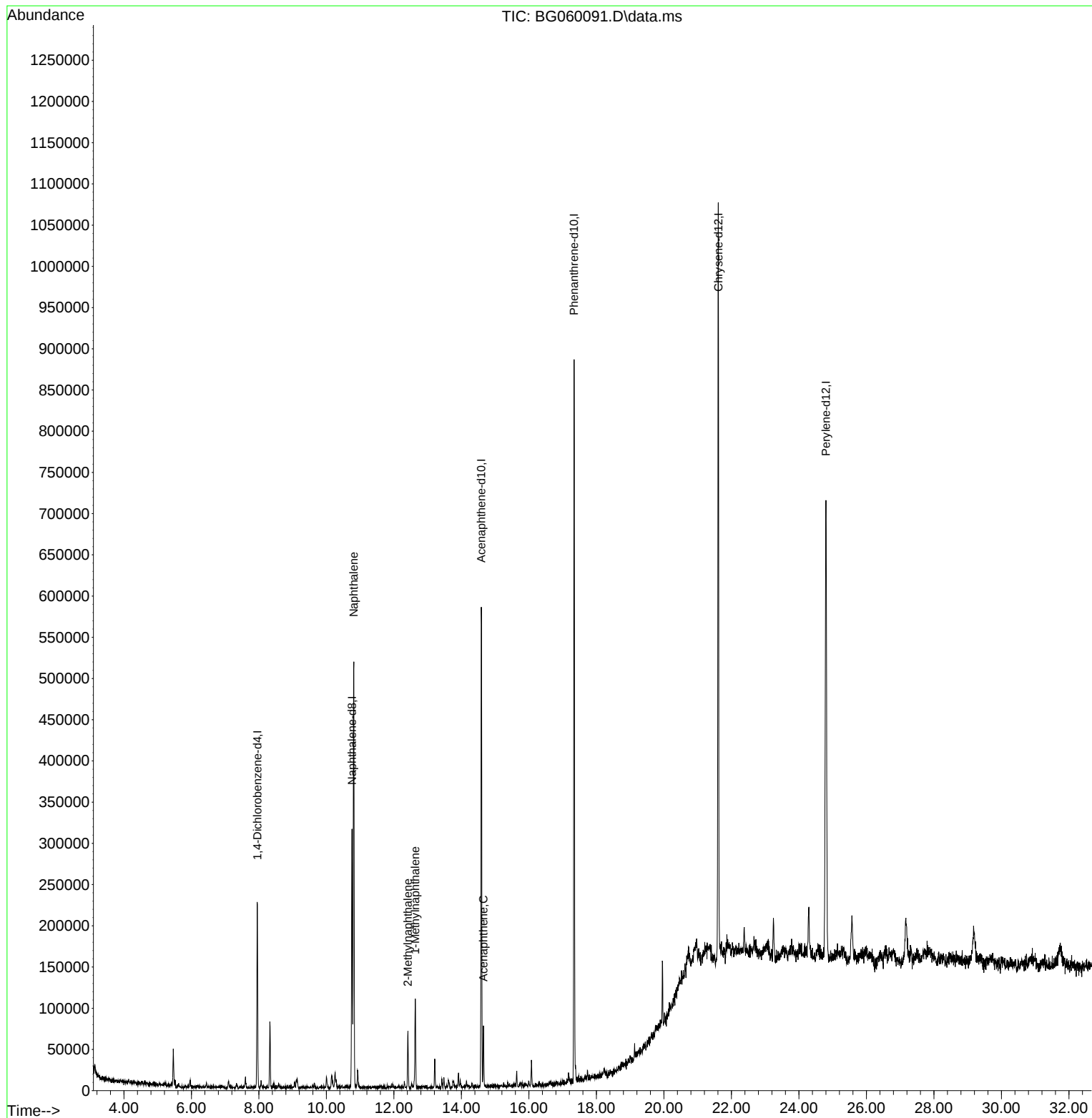
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	61219	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	234069	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	210118	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	599373	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	622903	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	727054	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	2041	0.571	ng	0.00
7) Phenol-d6	7.109	99	2225	0.442	ng	0.00
23) Nitrobenzene-d5	9.107	82	4564	0.885	ng	-0.02
42) 2,4,6-Tribromophenol	16.075	330	7800	1.593	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	19106	1.113	ng	0.00
79) Terphenyl-d14	19.959	244	43840	1.285	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.810	128	370278	30.388	ng	96
37) 2-Methylnaphthalene	12.414	142	27425	2.870	ng	95
38) 1-Methylnaphthalene	12.632	142	45155	4.783	ng	# 98
52) Acenaphthene	14.653	154	28912	2.275	ng	88

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

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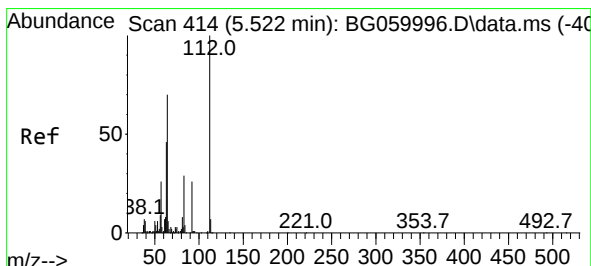
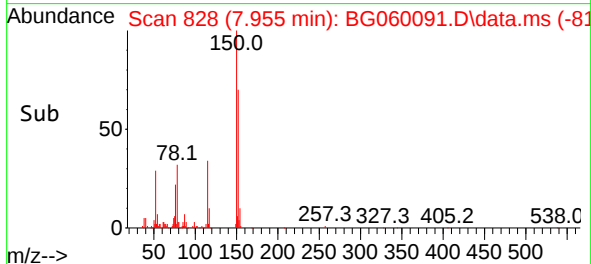
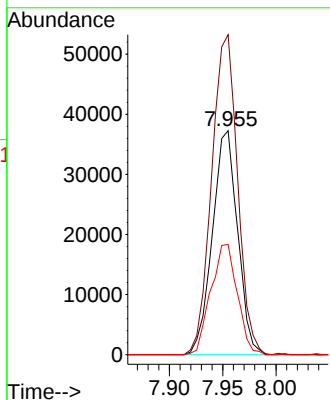
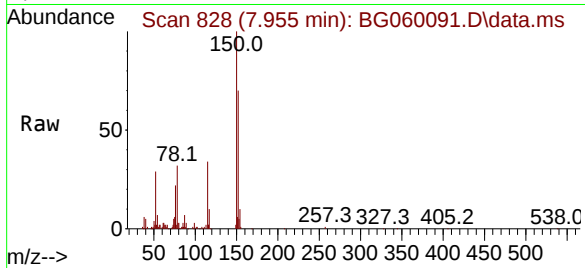




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

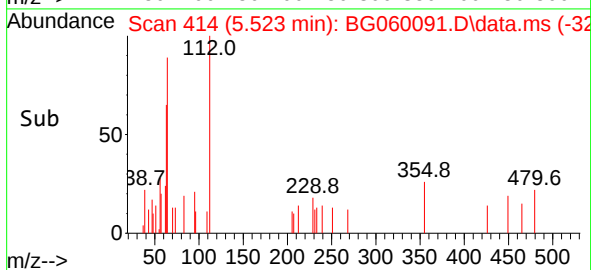
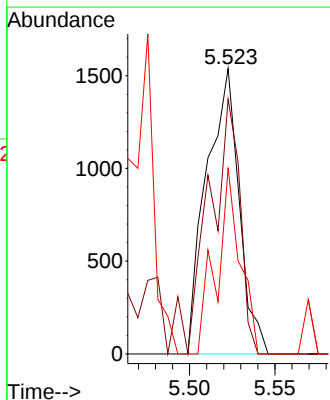
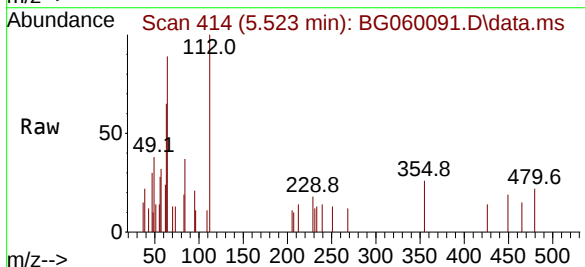
Instrument :
BNA_G
ClientSampleId :
MW-06SDL2

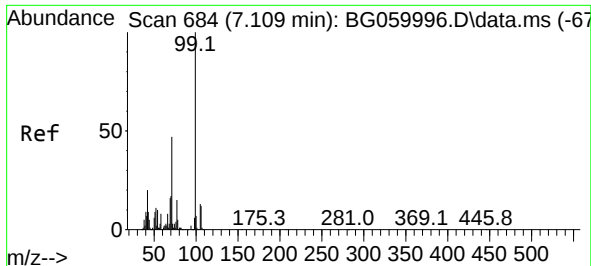
Tgt Ion:152 Resp: 61219
Ion Ratio Lower Upper
152 100
150 142.9 127.0 190.6
115 49.2 45.7 68.5



#5
2-Fluorophenol
Concen: 0.571 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.004 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

Tgt Ion:112 Resp: 2041
Ion Ratio Lower Upper
112 100
64 89.3 55.9 83.9#
63 65.3 36.5 54.7#

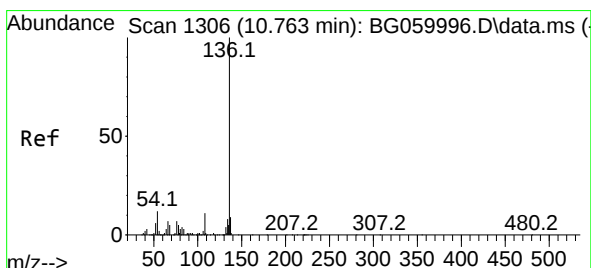
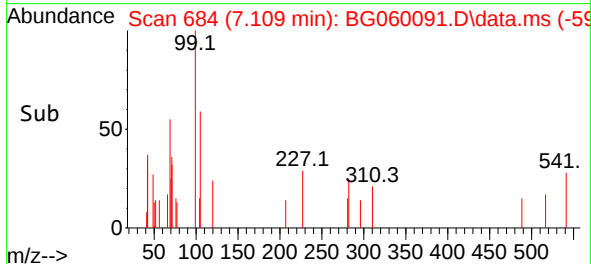
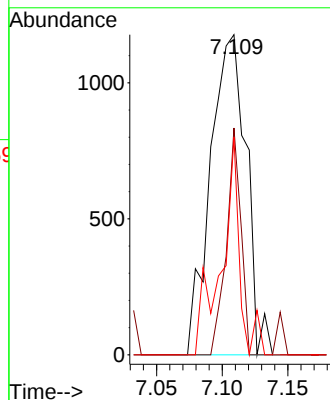
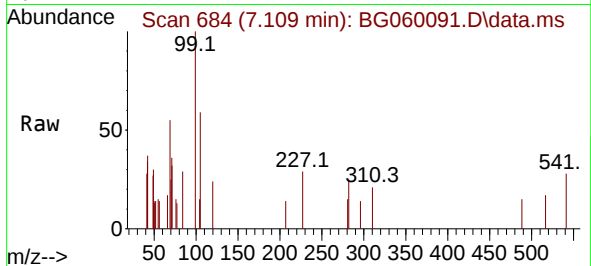




#7
Phenol-d6
Concen: 0.442 ng
RT: 7.109 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

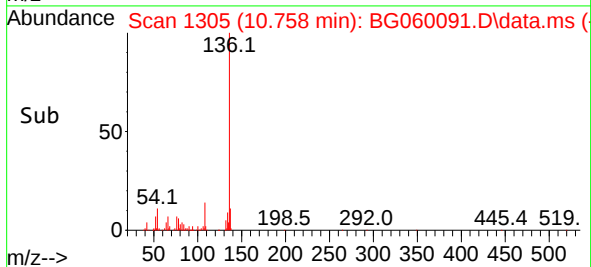
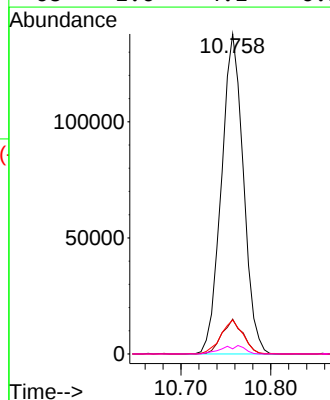
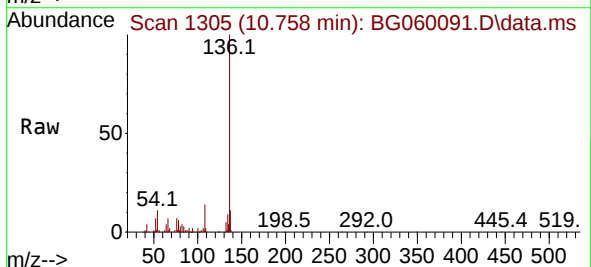
Instrument :
BNA_G
ClientSampleId :
MW-06SDL2

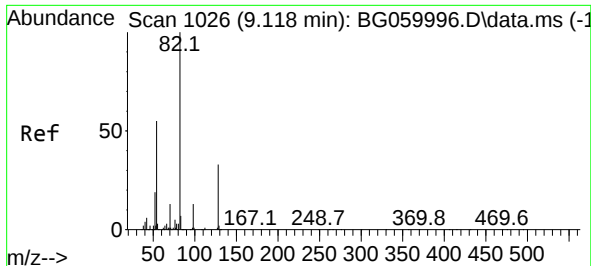
Tgt Ion: 99 Resp: 2225
Ion Ratio Lower Upper
99 100
42 70.9 16.2 24.4#
71 68.0 37.6 56.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.004 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

Tgt Ion: 136 Resp: 234069
Ion Ratio Lower Upper
136 100
137 10.9 7.3 10.9
54 10.6 9.6 14.4
68 1.6 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 0.885 ng

RT: 9.107 min Scan# 1024

Delta R.T. -0.015 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Instrument :

BNA_G

ClientSampleId :

MW-06SDL2

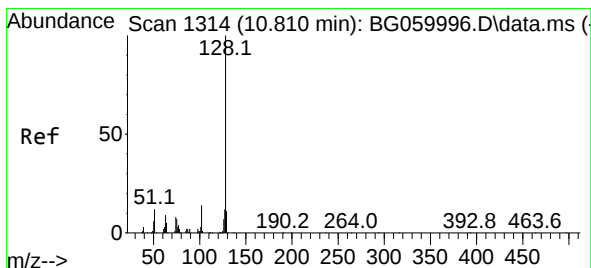
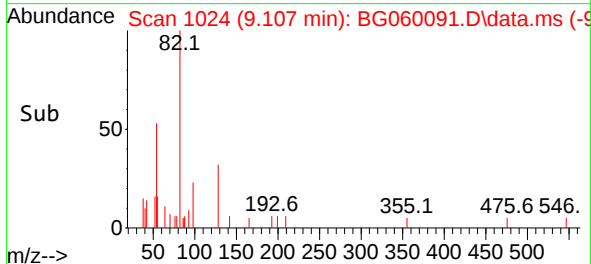
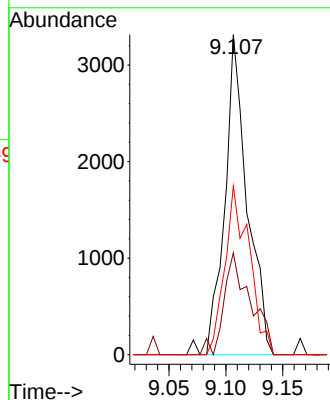
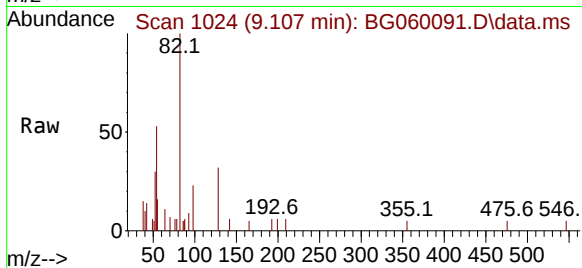
Tgt Ion: 82 Resp: 4564

Ion Ratio Lower Upper

82 100

128 31.8 26.3 39.5

54 52.7 44.3 66.5



#31

Naphthalene

Concen: 30.388 ng

RT: 10.810 min Scan# 1314

Delta R.T. -0.004 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

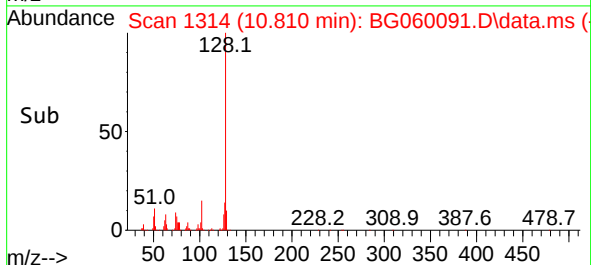
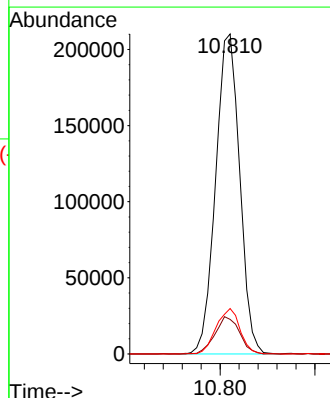
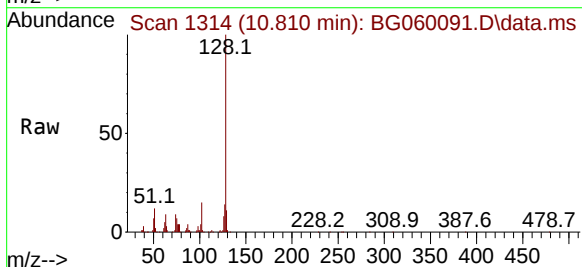
Tgt Ion: 128 Resp: 370278

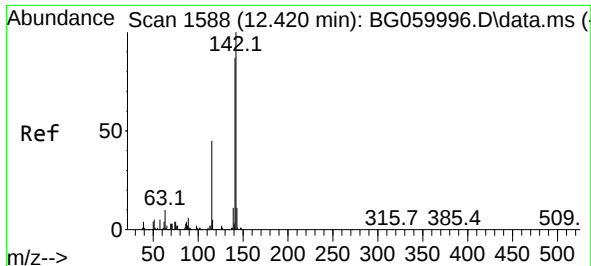
Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

127 14.2 9.7 14.5





#37

2-Methylnaphthalene

Concen: 2.870 ng

RT: 12.414 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Instrument :

BNA_G

ClientSampleId :

MW-06SDL2

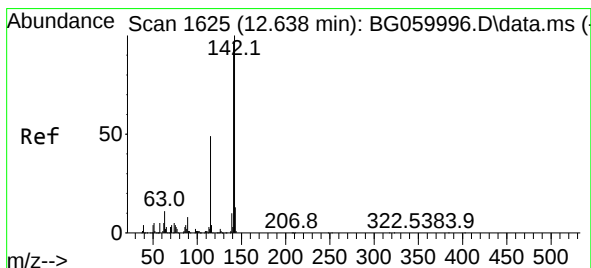
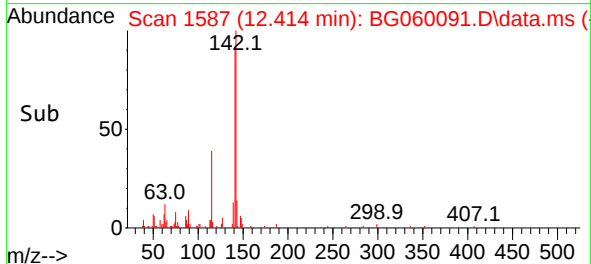
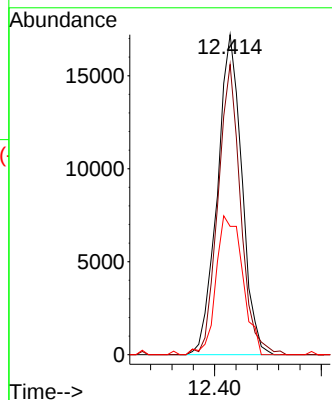
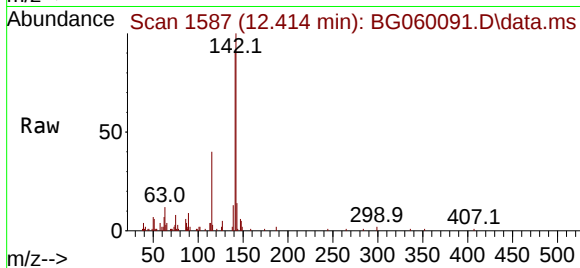
Tgt Ion:142 Resp: 27425

Ion Ratio Lower Upper

142 100

141 90.7 69.9 104.9

115 40.1 36.1 54.1



#38

1-Methylnaphthalene

Concen: 4.783 ng

RT: 12.632 min Scan# 1624

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

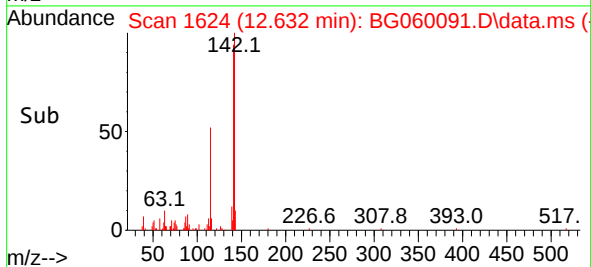
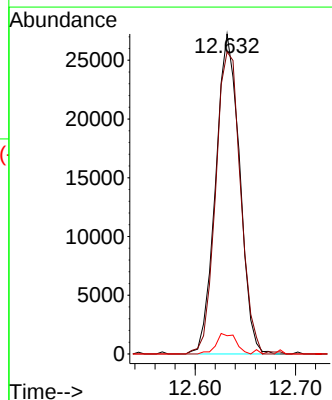
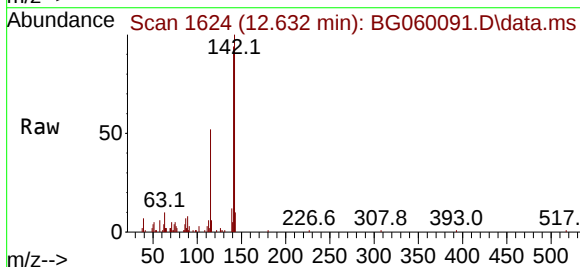
Tgt Ion:142 Resp: 45155

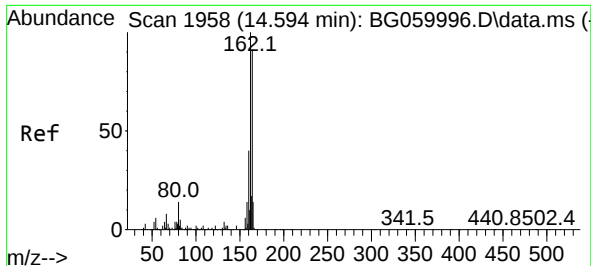
Ion Ratio Lower Upper

142 100

141 94.4 76.9 115.3

116 5.7 3.5 5.3#

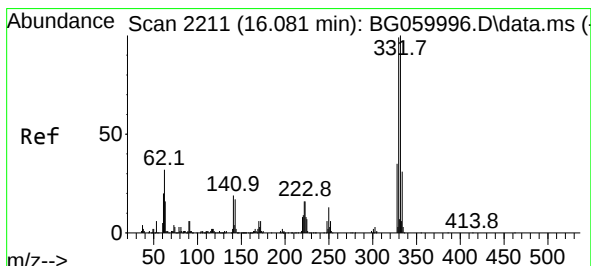
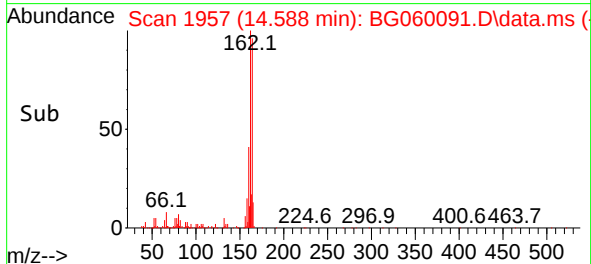
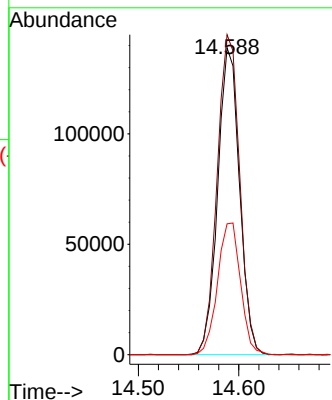
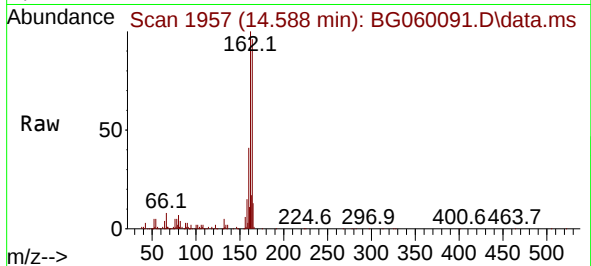




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

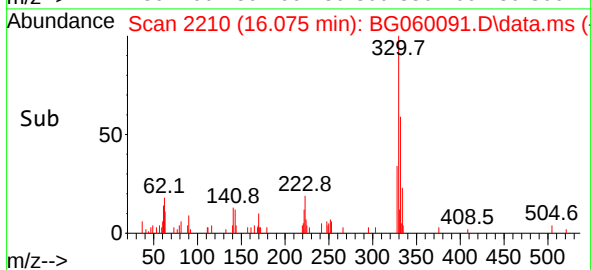
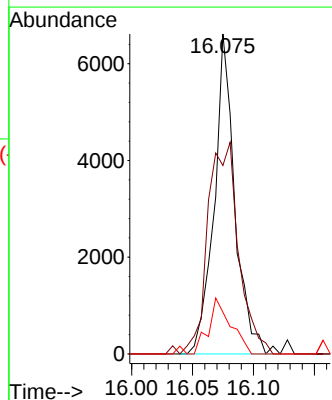
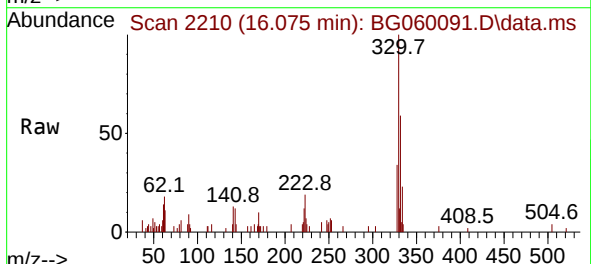
Instrument :
BNA_G
ClientSampleId :
MW-06SDL2

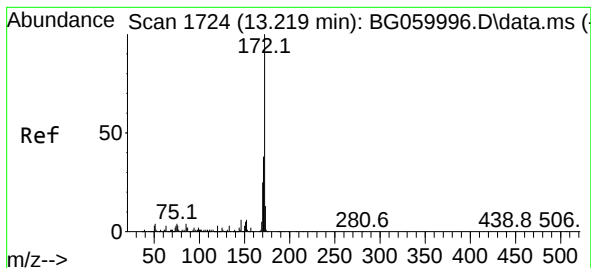
Tgt Ion:164 Resp: 210118
Ion Ratio Lower Upper
164 100
162 104.3 88.1 132.1
160 42.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 1.593 ng
RT: 16.075 min Scan# 2210
Delta R.T. -0.010 min
Lab File: BG060091.D
Acq: 19 Dec 2023 18:48

Tgt Ion:330 Resp: 7800
Ion Ratio Lower Upper
330 100
332 98.5 76.2 114.4
141 19.5 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 1.113 ng

RT: 13.213 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Instrument :

BNA_G

ClientSampleId :

MW-06SDL2

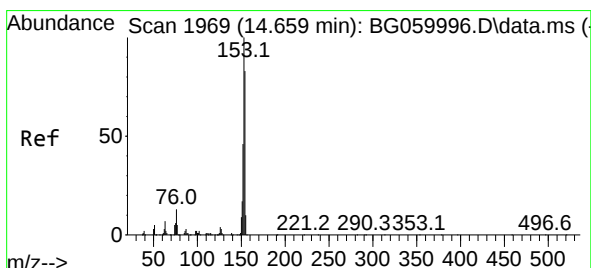
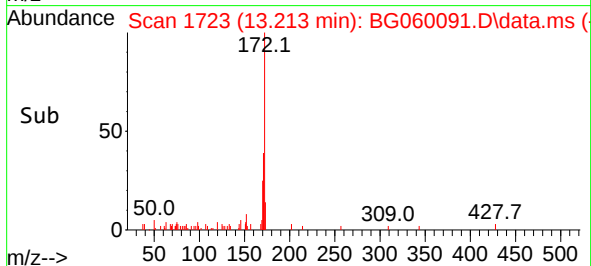
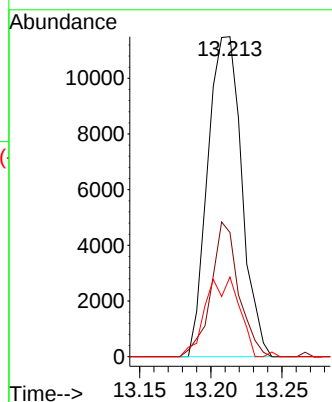
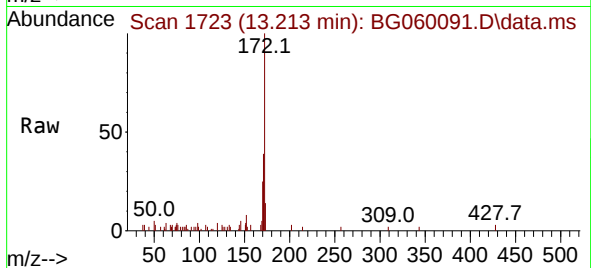
Tgt Ion:172 Resp: 19106

Ion Ratio Lower Upper

172 100

171 38.8 30.1 45.1

170 24.9 20.0 30.0



#52

Acenaphthene

Concen: 2.275 ng

RT: 14.653 min Scan# 1968

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

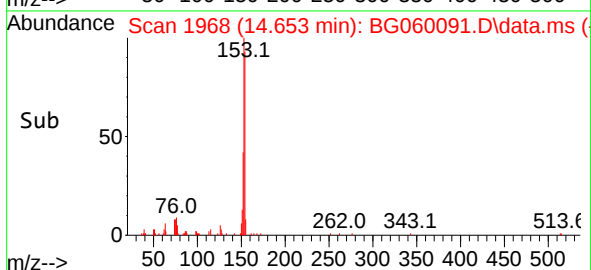
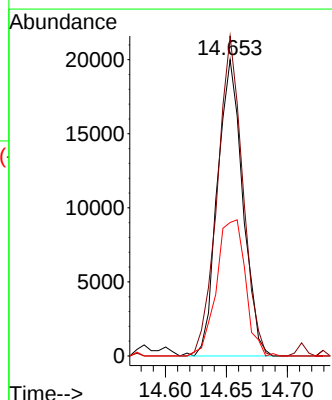
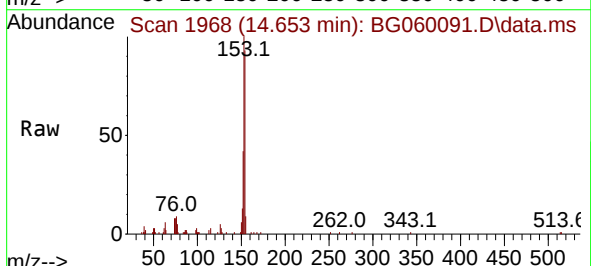
Tgt Ion:154 Resp: 28912

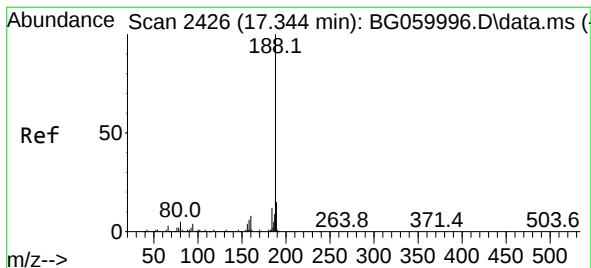
Ion Ratio Lower Upper

154 100

153 108.0 96.0 144.0

152 45.1 44.3 66.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.338 min Scan# 24

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Instrument :

BNA_G

ClientSampleId :

MW-06SDL2

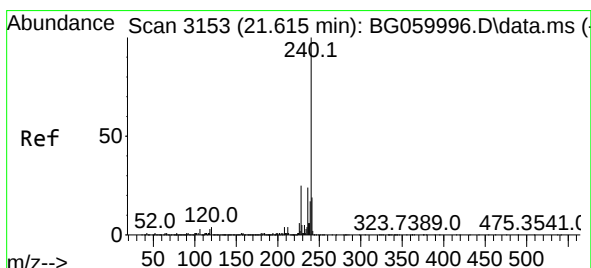
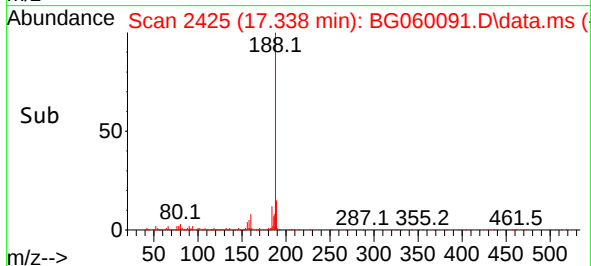
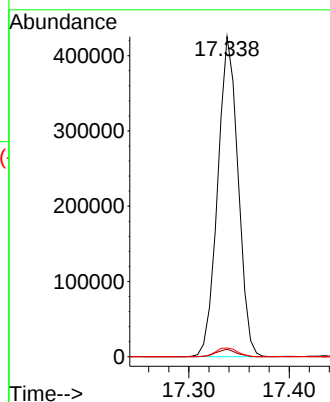
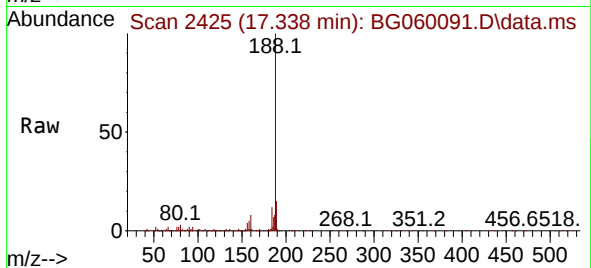
Tgt Ion:188 Resp: 599373

Ion Ratio Lower Upper

188 100

94 2.3 3.0 4.6#

80 2.7 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

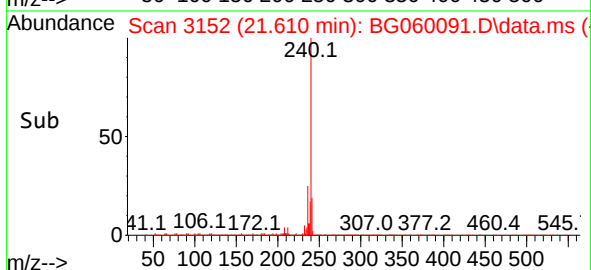
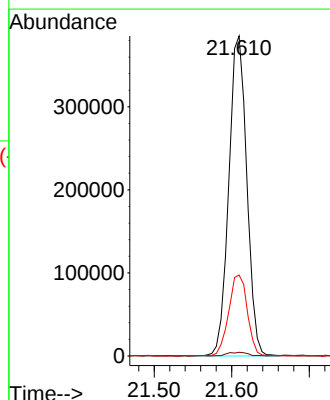
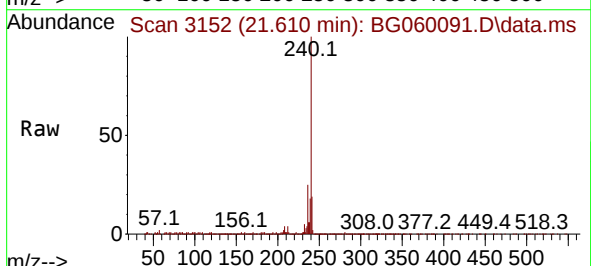
Tgt Ion:240 Resp: 622903

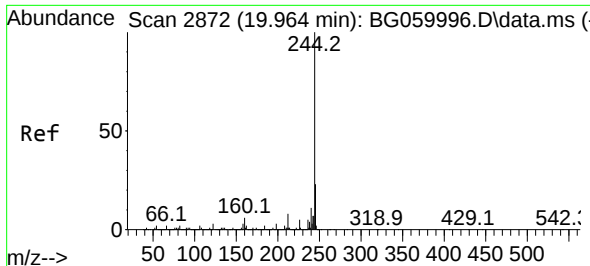
Ion Ratio Lower Upper

240 100

120 1.1 2.9 4.3#

236 25.3 19.4 29.2





#79

Terphenyl-d14

Concen: 1.285 ng

RT: 19.959 min Scan# 2871

Delta R.T. -0.010 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Instrument :

BNA_G

ClientSampleId :

MW-06SDL2

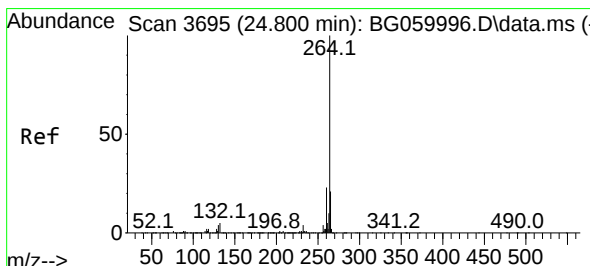
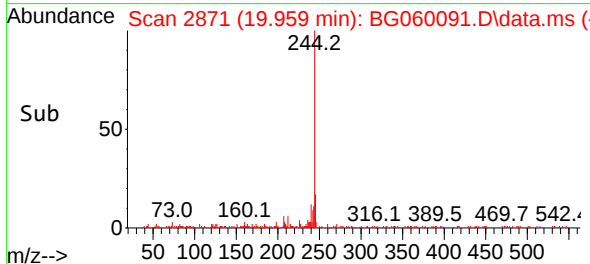
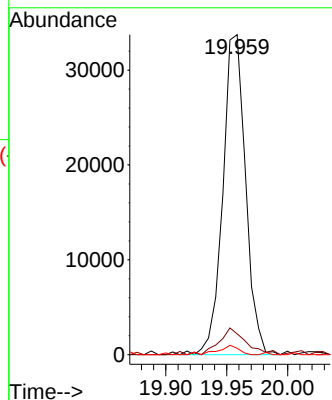
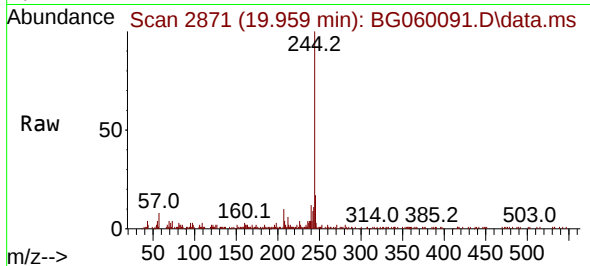
Tgt Ion:244 Resp: 43840

Ion Ratio Lower Upper

244 100

212 6.5 6.8 10.2#

122 2.0 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.800 min Scan# 3695

Delta R.T. -0.015 min

Lab File: BG060091.D

Acq: 19 Dec 2023 18:48

Tgt Ion:264 Resp: 727054

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.6 17.3 25.9

