

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060056.D
 Acq On : 16 Dec 2023 5:22
 Operator : MA/JU
 Sample : 05829-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Dec 18 00:10:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

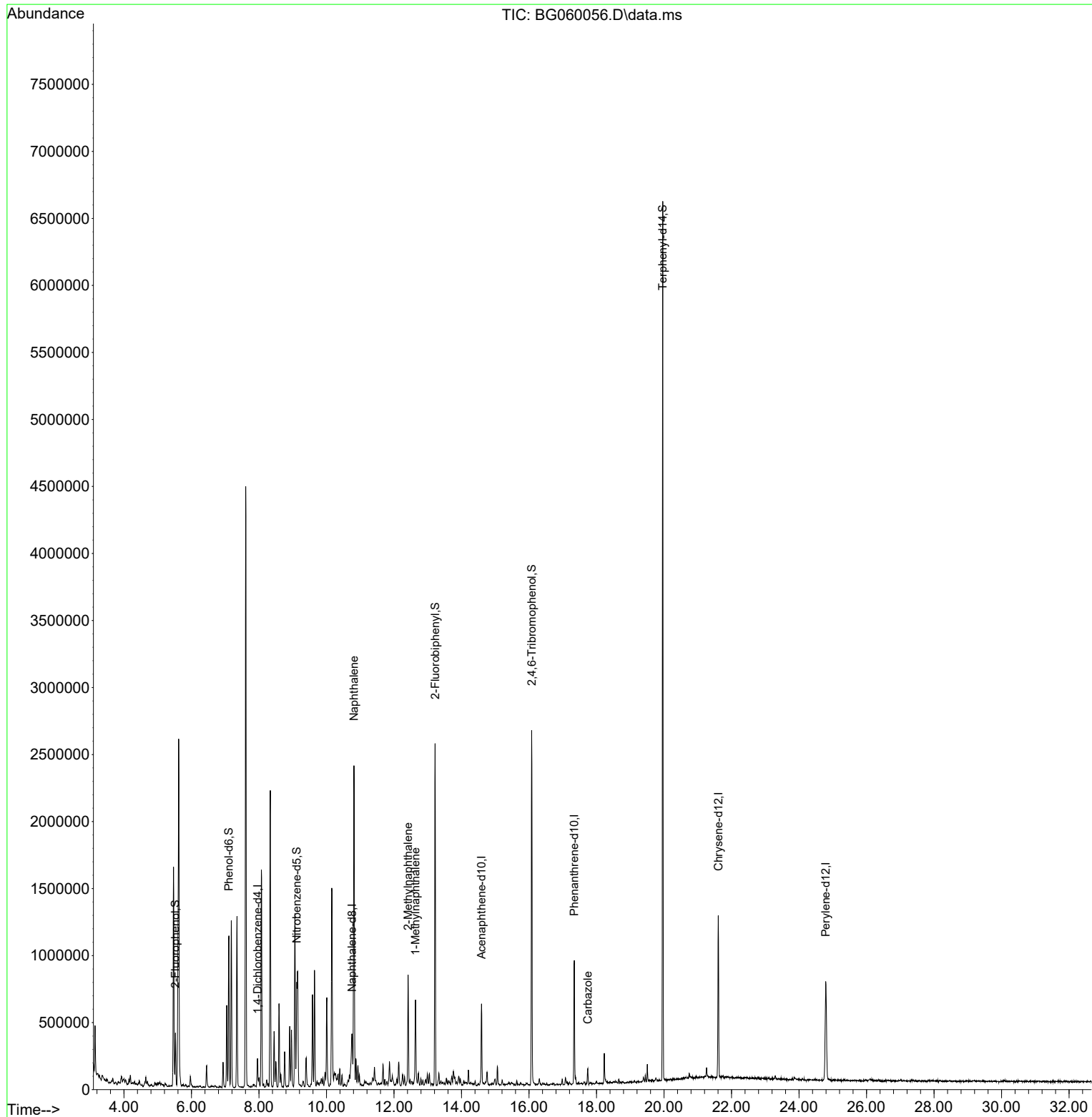
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	61624	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	252945	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	220412	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	647270	20.000	ng	0.00
76) Chrysene-d12	21.607	240	780069	20.000	ng	0.00
86) Perylene-d12	24.791	264	889592	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	142012	39.449	ng	0.00
7) Phenol-d6	7.106	99	118101	23.323	ng	0.00
23) Nitrobenzene-d5	9.116	82	410262	73.649	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	633168	123.265	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1378158	76.526	ng	0.00
79) Terphenyl-d14	19.962	244	3431010	80.301	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.814	128	1644116	124.859	ng	98
37) 2-Methylnaphthalene	12.418	142	359055	34.766	ng	98
38) 1-Methylnaphthalene	12.635	142	243694	23.888	ng	100
73) Carbazole	17.741	167	80764	3.015	ng	99

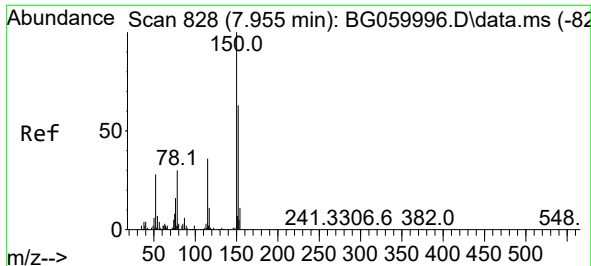
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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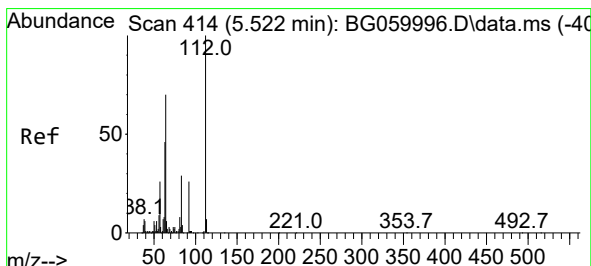
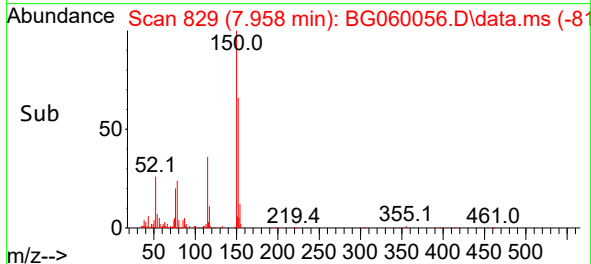
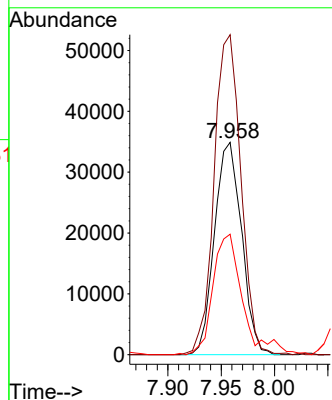
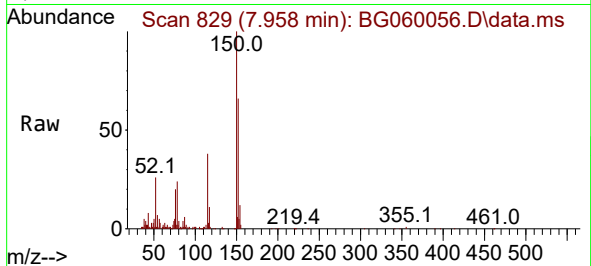




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

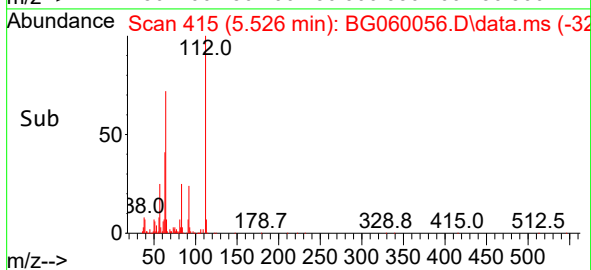
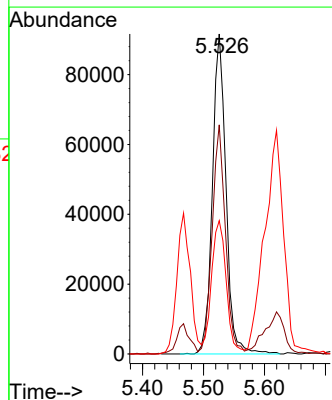
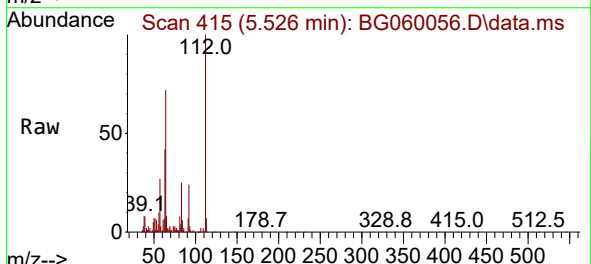
Instrument :
BNA_G
ClientSampleId :
MW-2

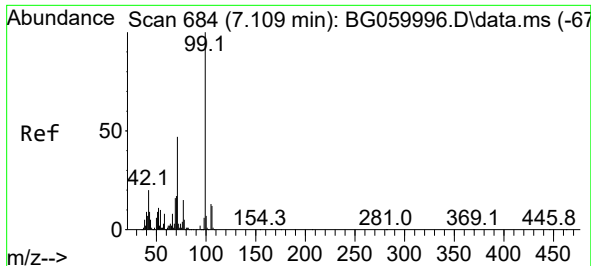
Tgt Ion:152 Resp: 61624
Ion Ratio Lower Upper
152 100
150 150.8 127.0 190.6
115 56.8 45.7 68.5



#5
2-Fluorophenol
Concen: 39.449 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

Tgt Ion:112 Resp: 142012
Ion Ratio Lower Upper
112 100
64 71.6 55.9 83.9
63 41.6 36.5 54.7

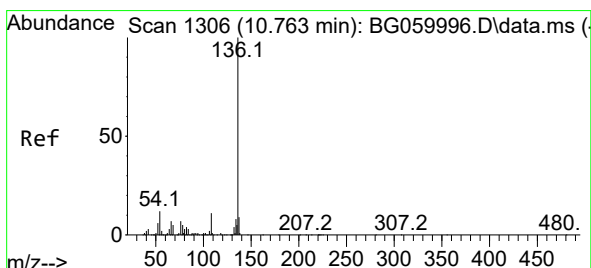
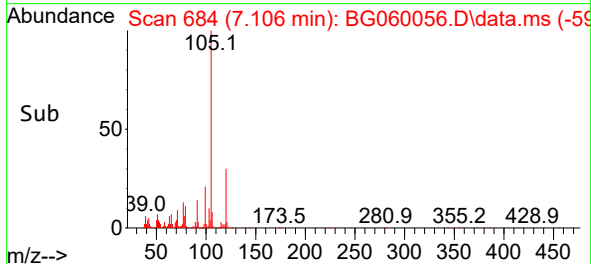
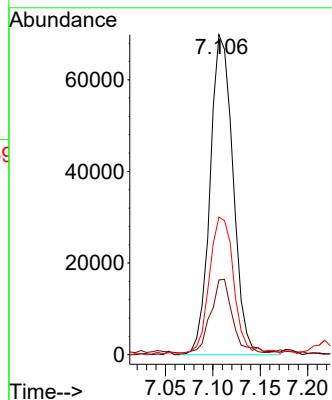
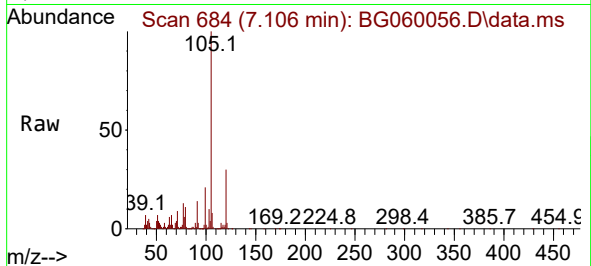




#7
Phenol-d6
Concen: 23.323 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

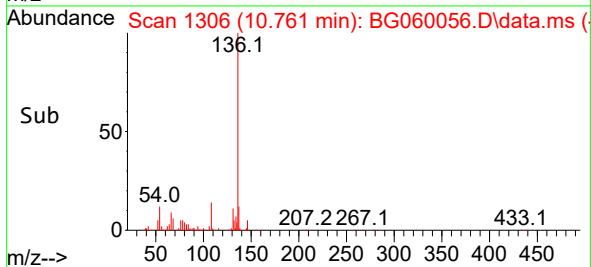
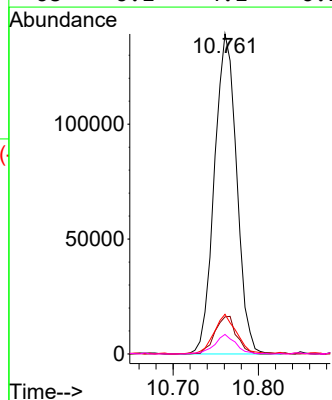
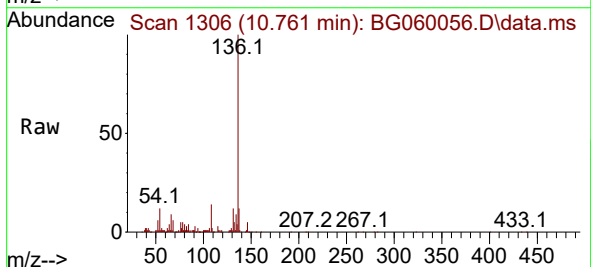
Instrument :
BNA_G
ClientSampleId :
MW-2

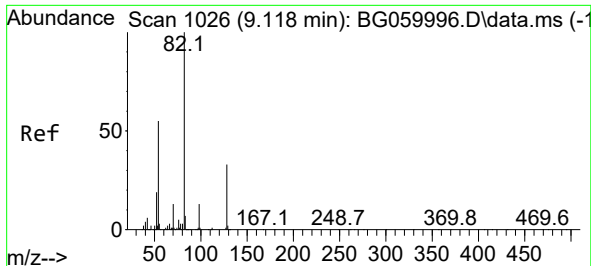
Tgt Ion: 99 Resp: 118101
Ion Ratio Lower Upper
99 100
42 23.3 16.2 24.4
71 43.0 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

Tgt Ion: 136 Resp: 252945
Ion Ratio Lower Upper
136 100
137 11.6 7.3 10.9#
54 12.4 9.6 14.4
68 6.1 4.1 6.1

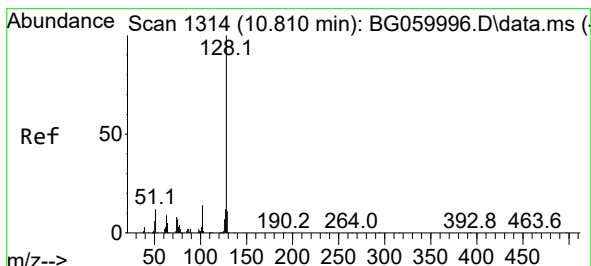
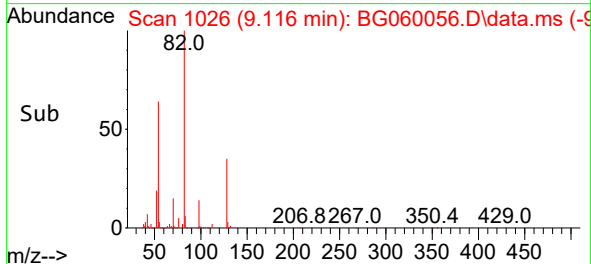
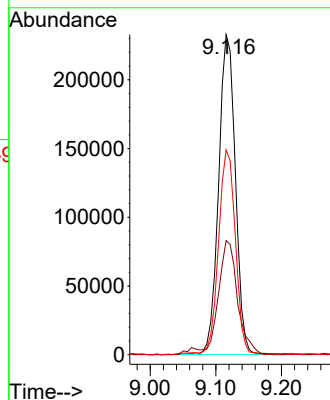
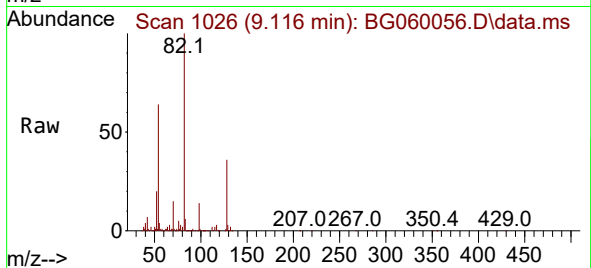




#23
Nitrobenzene-d5
Concen: 73.649 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

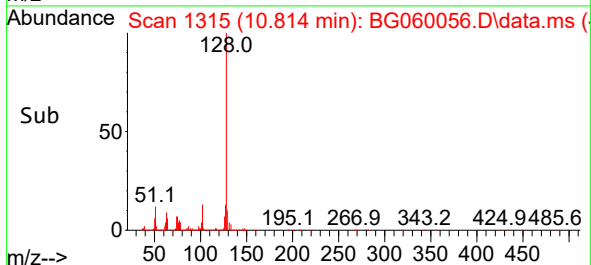
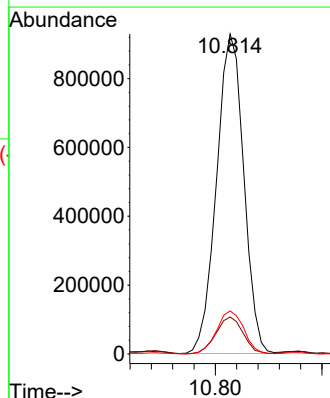
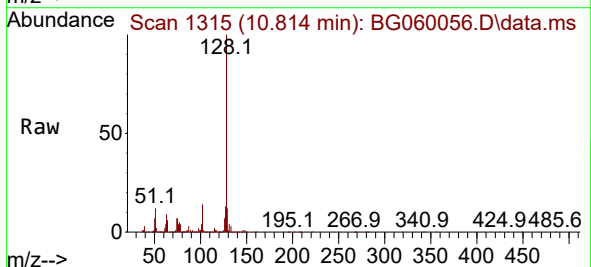
Instrument :
BNA_G
ClientSampleId :
MW-2

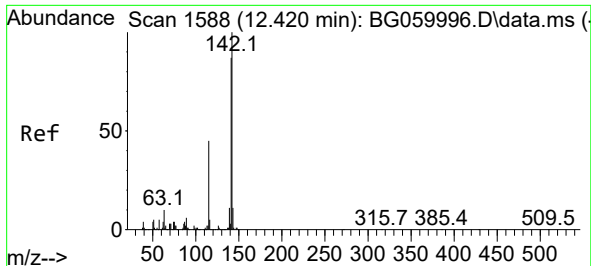
Tgt Ion: 82 Resp: 410262
Ion Ratio Lower Upper
82 100
128 35.7 26.3 39.5
54 63.9 44.3 66.5



#31
Naphthalene
Concen: 124.859 ng
RT: 10.814 min Scan# 1315
Delta R.T. 0.003 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

Tgt Ion:128 Resp: 1644116
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.4 9.7 14.5





#37

2-Methylnaphthalene

Concen: 34.766 ng

RT: 12.418 min Scan# 1588

Delta R.T. -0.002 min

Lab File: BG060056.D

Acq: 16 Dec 2023 5:22

Instrument :

BNA_G

ClientSampleId :

MW-2

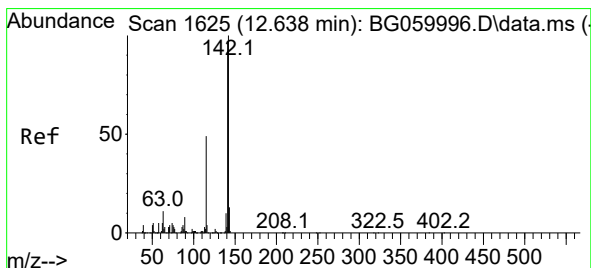
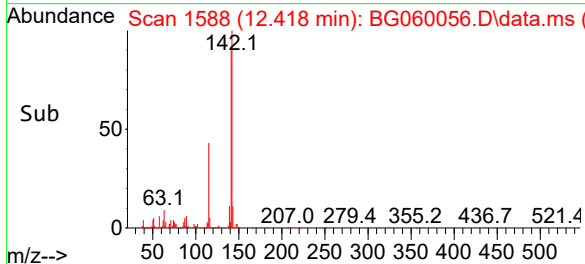
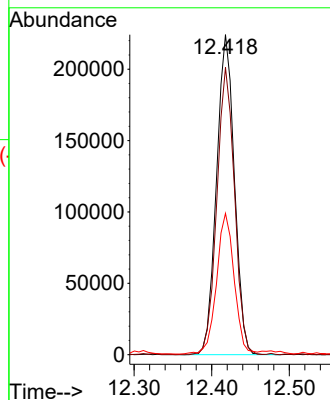
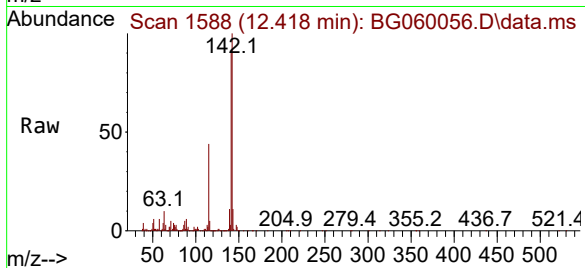
Tgt Ion:142 Resp: 359055

Ion Ratio Lower Upper

142 100

141 89.8 69.9 104.9

115 44.1 36.1 54.1



#38

1-Methylnaphthalene

Concen: 23.888 ng

RT: 12.635 min Scan# 1625

Delta R.T. -0.002 min

Lab File: BG060056.D

Acq: 16 Dec 2023 5:22

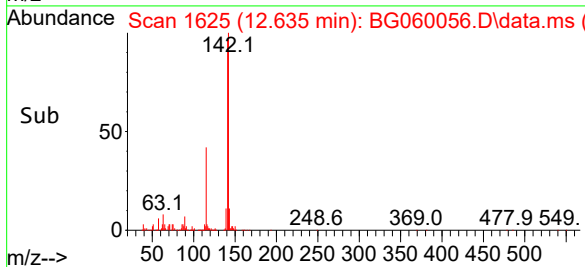
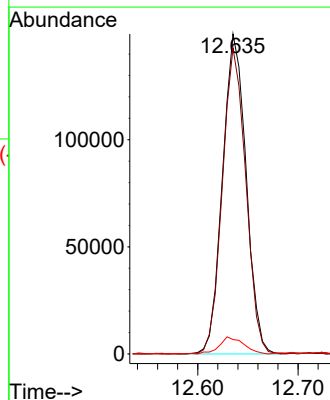
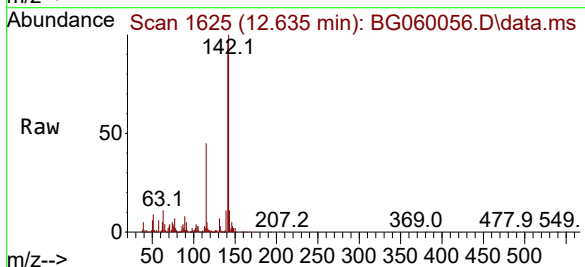
Tgt Ion:142 Resp: 243694

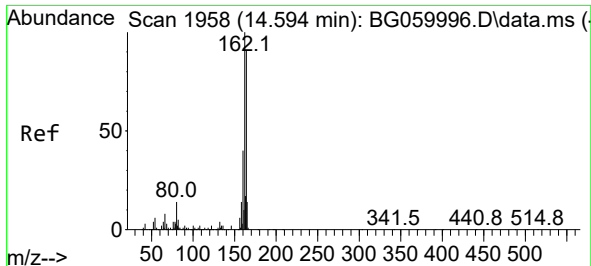
Ion Ratio Lower Upper

142 100

141 95.7 76.9 115.3

116 4.5 3.5 5.3

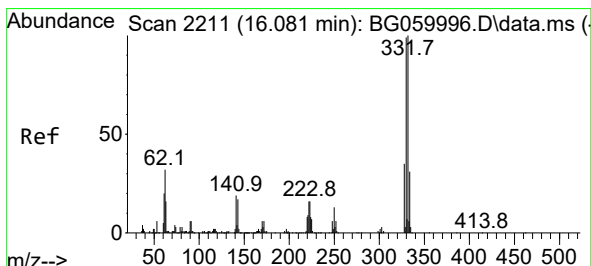
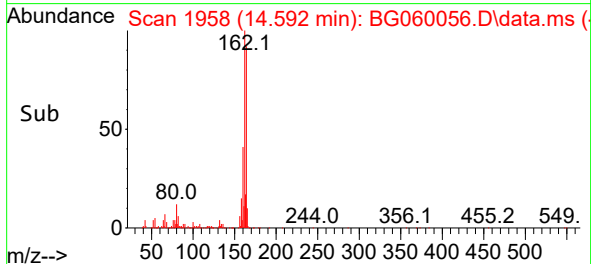
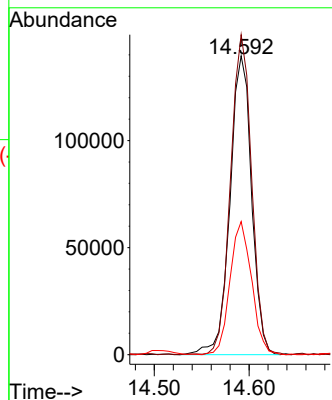
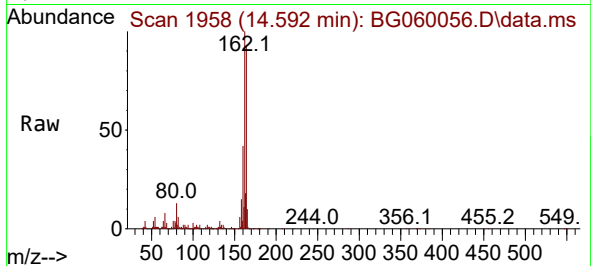




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

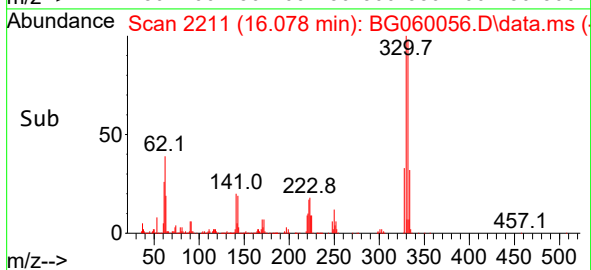
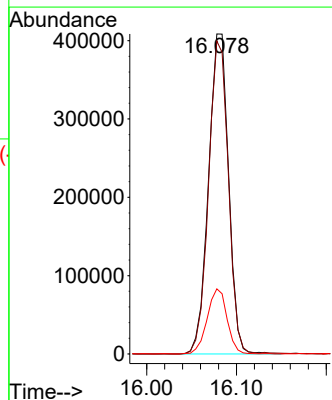
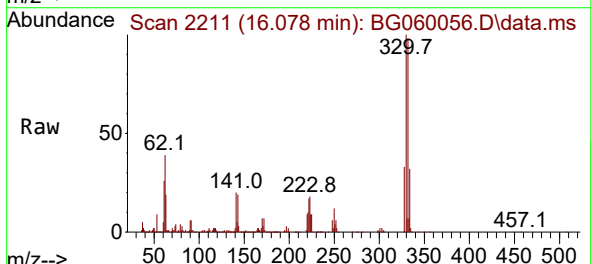
Instrument :
BNA_G
ClientSampleId :
MW-2

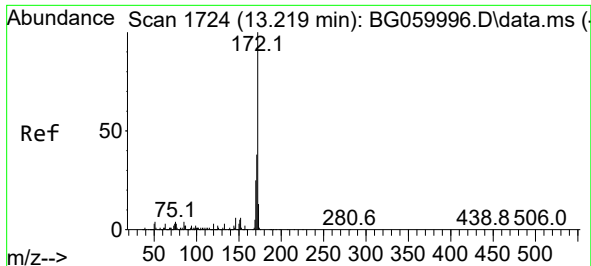
Tgt Ion:164 Resp: 220412
Ion Ratio Lower Upper
164 100
162 107.1 88.1 132.1
160 44.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 123.265 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

Tgt Ion:330 Resp: 633168
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 20.1 14.3 21.5

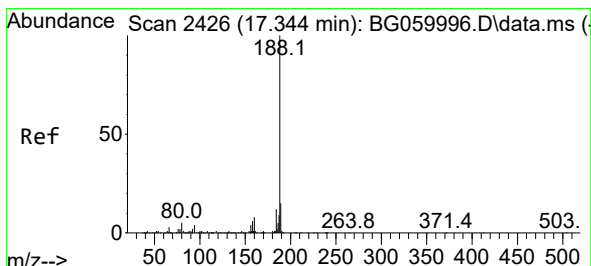
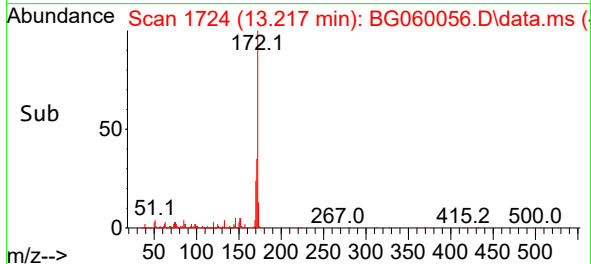
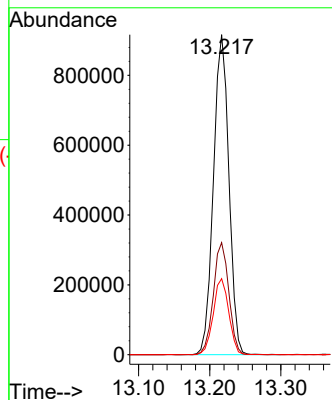
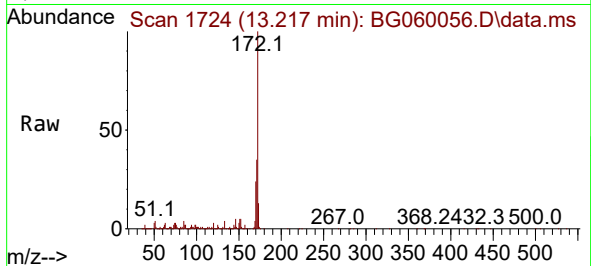




#45
2-Fluorobiphenyl
Concen: 76.526 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

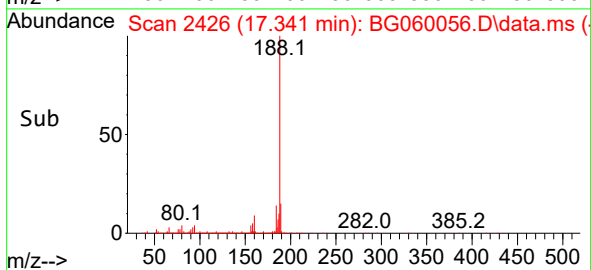
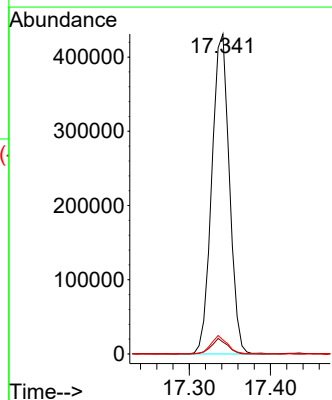
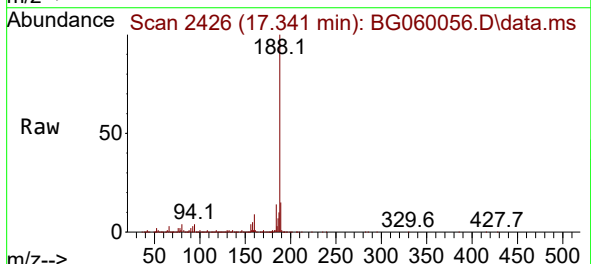
Instrument :
BNA_G
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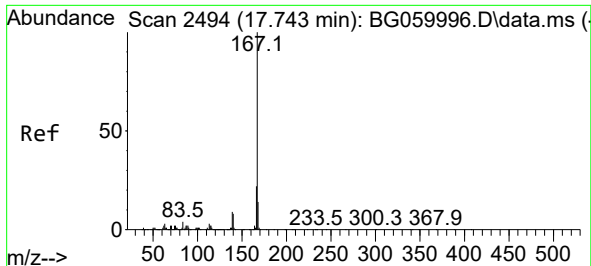
Tgt Ion:172 Resp: 1378158
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 23.7 20.0 30.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060056.D
Acq: 16 Dec 2023 5:22

Tgt Ion:188 Resp: 647270
Ion Ratio Lower Upper
188 100
94 3.7 3.0 4.6
80 4.4 4.0 6.0

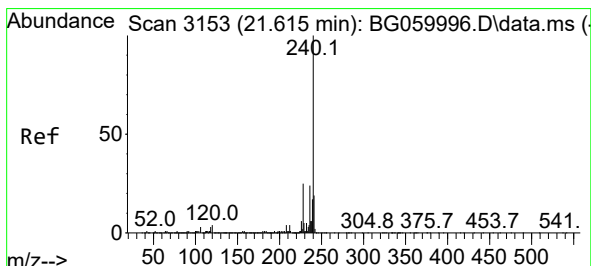
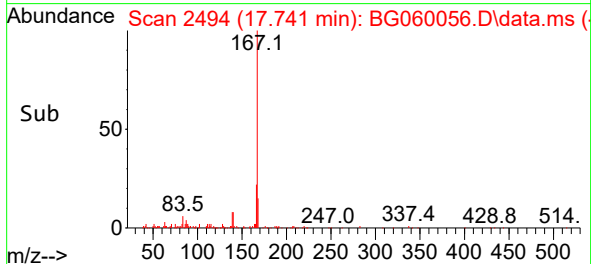
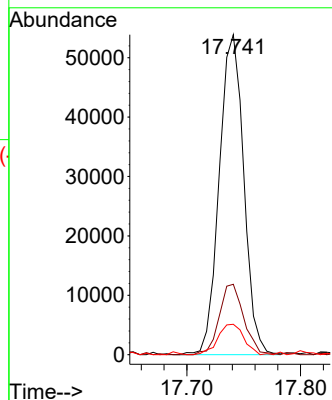
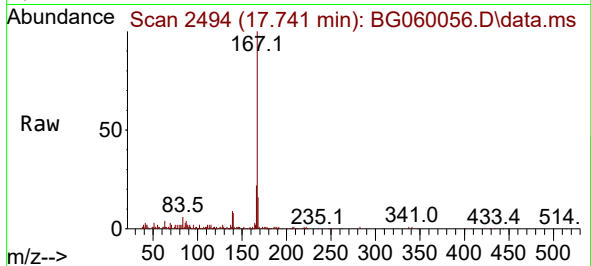




#73
 Carbazole
 Concen: 3.015 ng
 RT: 17.741 min Scan# 2494
 Delta R.T. -0.002 min
 Lab File: BG060056.D
 Acq: 16 Dec 2023 5:22

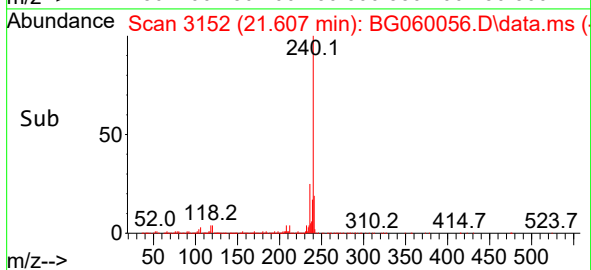
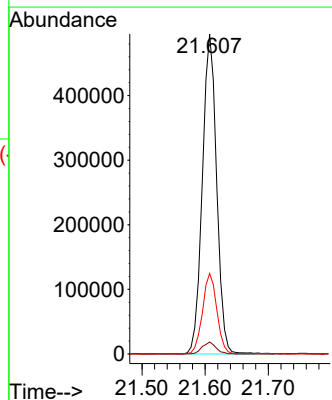
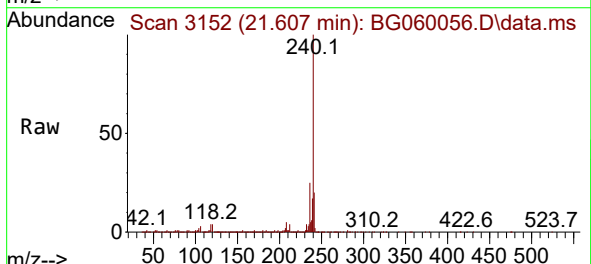
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

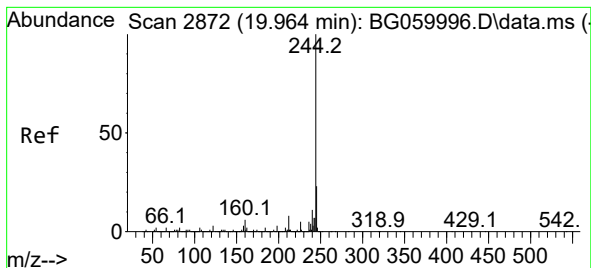
Tgt Ion:167 Resp: 80764
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 9.5 7.5 11.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.607 min Scan# 3152
 Delta R.T. -0.008 min
 Lab File: BG060056.D
 Acq: 16 Dec 2023 5:22

Tgt Ion:240 Resp: 780069
 Ion Ratio Lower Upper
 240 100
 120 3.8 2.9 4.3
 236 25.1 19.4 29.2





#79

Terphenyl-d14

Concen: 80.301 ng

RT: 19.962 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG060056.D

Acq: 16 Dec 2023 5:22

Instrument :

BNA_G

ClientSampleId :

MW-2

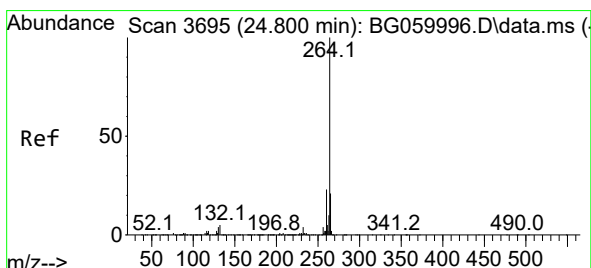
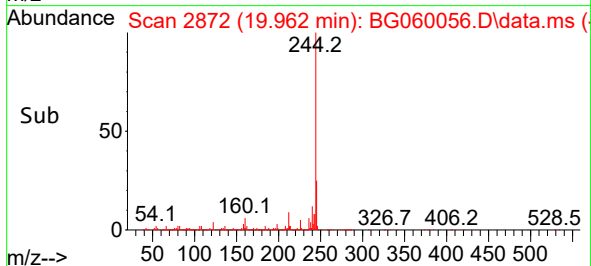
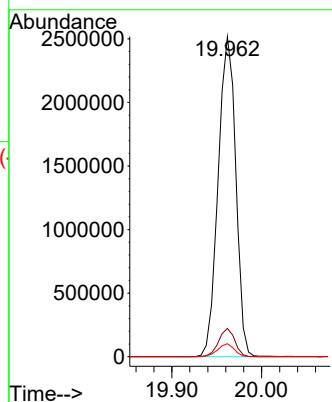
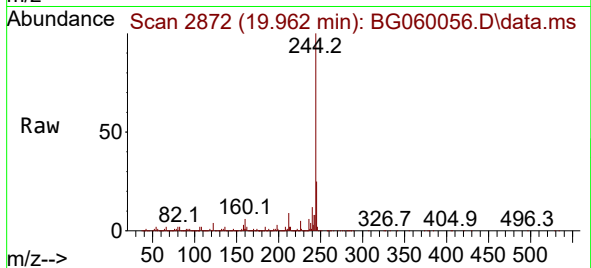
Tgt Ion:244 Resp: 3431010

Ion Ratio Lower Upper

244 100

212 8.9 6.8 10.2

122 4.0 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.791 min Scan# 3694

Delta R.T. -0.008 min

Lab File: BG060056.D

Acq: 16 Dec 2023 5:22

Tgt Ion:264 Resp: 889592

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 22.7 17.3 25.9

