

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060069.D
 Acq On : 18 Dec 2023 16:52
 Operator : MA/JU
 Sample : 05827-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-10-11-12

Quant Time: Dec 18 17:31:56 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

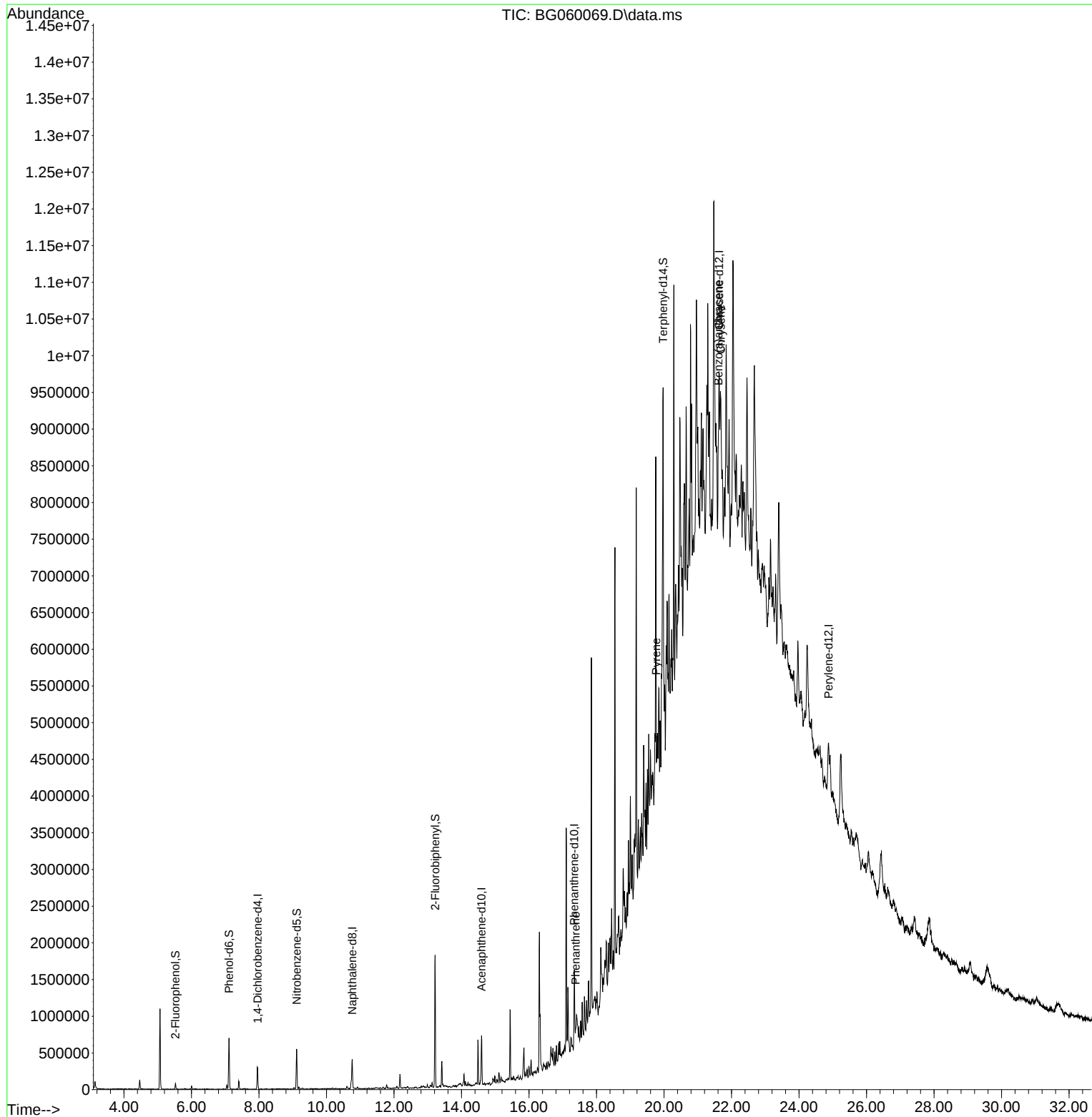
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	81577	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	302077	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	236778	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	607872	20.000	ng	0.00
76) Chrysene-d12	21.637	240	755529	20.000	ng	# 0.02
86) Perylene-d12	24.875	264	832835	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	28177	5.913	ng	0.00
7) Phenol-d6	7.113	99	343102	51.184	ng	0.00
23) Nitrobenzene-d5	9.117	82	303414	45.609	ng	0.00
42) 2,4,6-Tribromophenol	16.102	330	1160	0.210	ng	0.02
45) 2-Fluorobiphenyl	13.218	172	997471	51.559	ng	0.00
79) Terphenyl-d14	19.974	244	2166317	52.348	ng	0.01
Target Compounds						
71) Phenanthrene	17.383	178	89579	3.042	ng	# 90
78) Pyrene	19.769	202	209340	4.571	ng	# 88
81) Benzo(a)anthracene	21.614	228	347632	6.850	ng	# 74
83) Chrysene	21.684	228	793942	16.512	ng	# 93

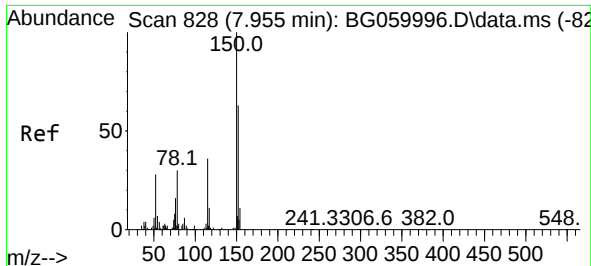
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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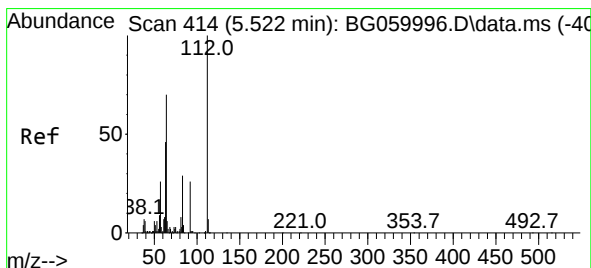
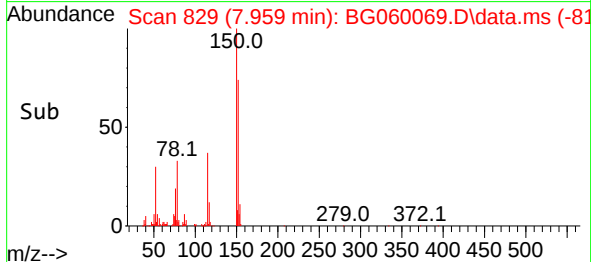
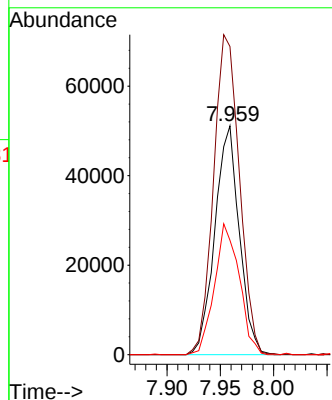
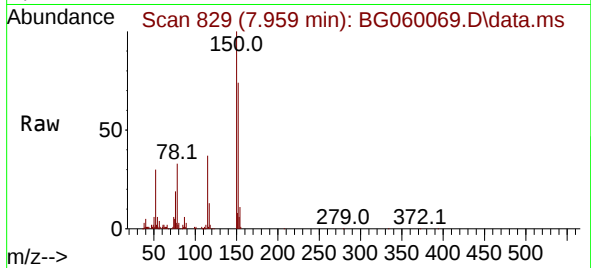




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

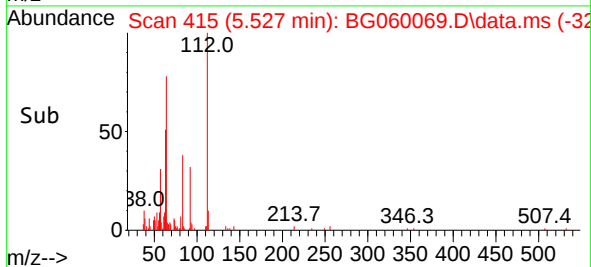
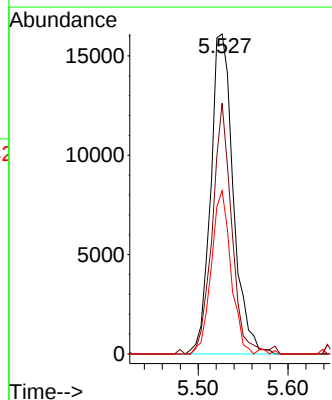
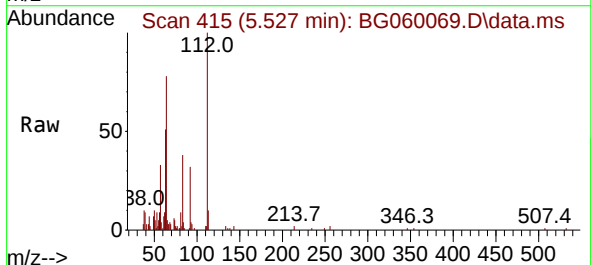
Instrument :
BNA_G
ClientSampleId :
RT-SB-10-11-12

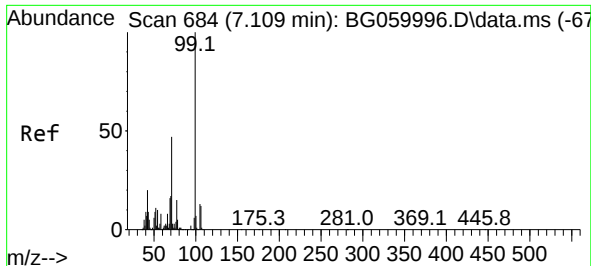
Tgt Ion:152 Resp: 81577
Ion Ratio Lower Upper
152 100
150 134.7 127.0 190.6
115 50.0 45.7 68.5



#5
2-Fluorophenol
Concen: 5.913 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

Tgt Ion:112 Resp: 28177
Ion Ratio Lower Upper
112 100
64 78.4 55.9 83.9
63 51.0 36.5 54.7

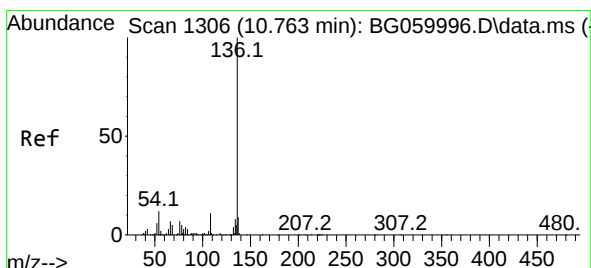
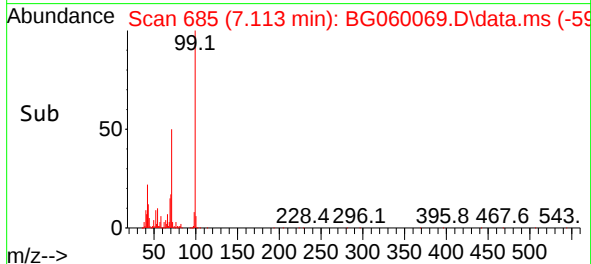
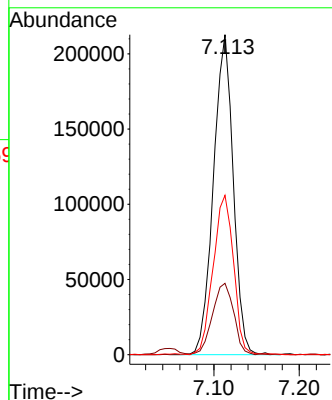
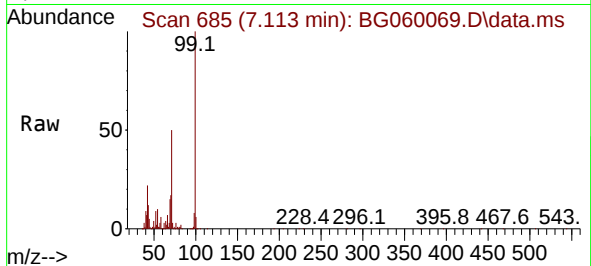




#7
Phenol-d6
Concen: 51.184 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

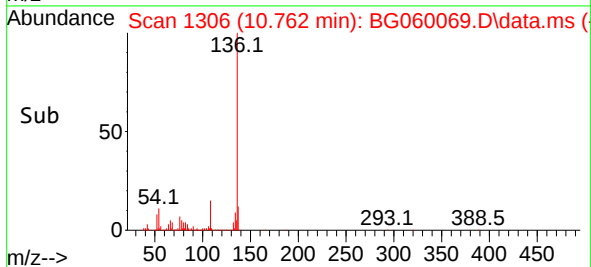
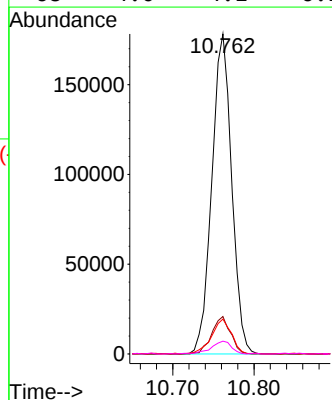
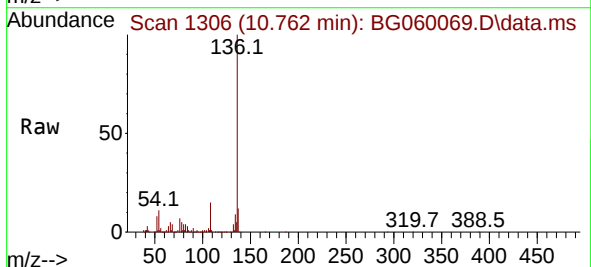
Instrument :
BNA_G
ClientSampleId :
RT-SB-10-11-12

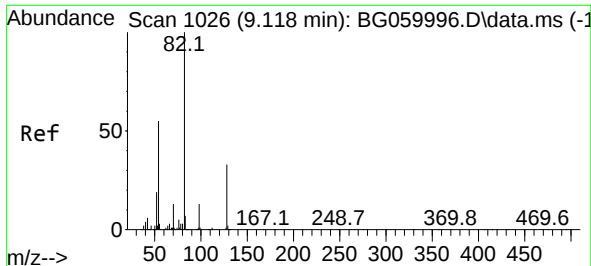
Tgt Ion: 99 Resp: 343102
Ion Ratio Lower Upper
99 100
42 22.3 16.2 24.4
71 49.8 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

Tgt Ion: 136 Resp: 302077
Ion Ratio Lower Upper
136 100
137 11.7 7.3 10.9#
54 10.9 9.6 14.4
68 4.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 45.609 ng

RT: 9.117 min Scan# 1026

Delta R.T. -0.002 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RT-SB-10-11-12

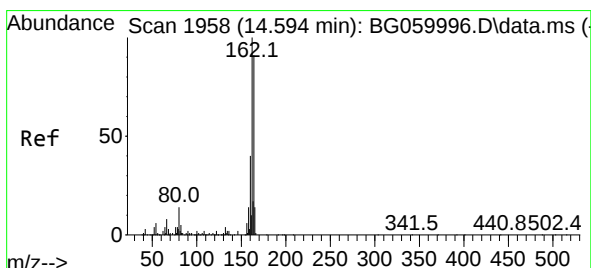
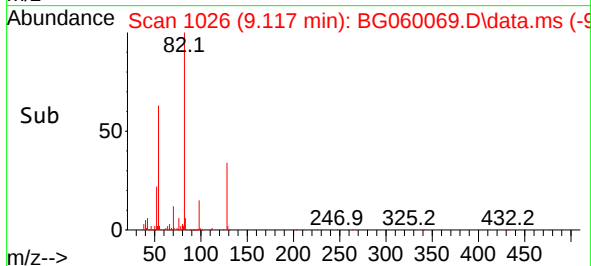
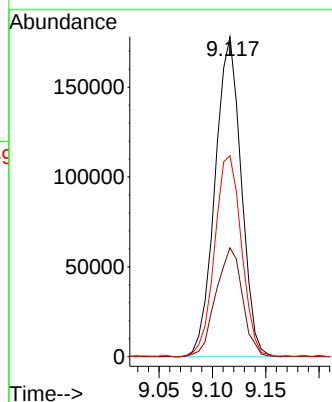
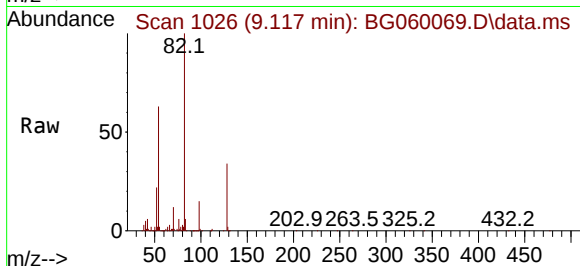
Tgt Ion: 82 Resp: 303414

Ion Ratio Lower Upper

82 100

128 34.0 26.3 39.5

54 62.8 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.002 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

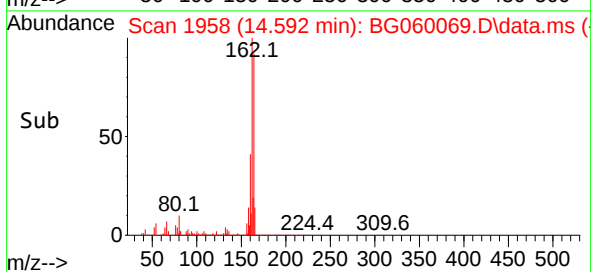
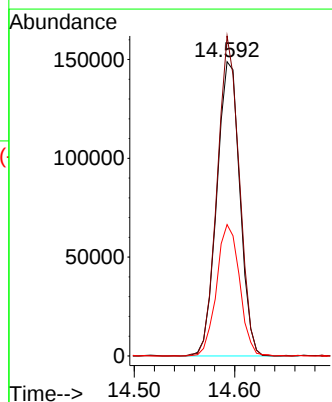
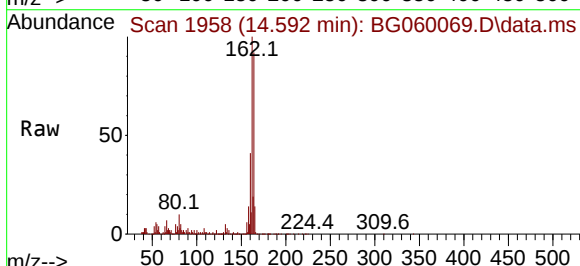
Tgt Ion:164 Resp: 236778

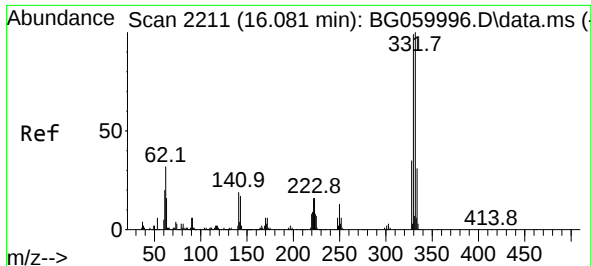
Ion Ratio Lower Upper

164 100

162 108.7 88.1 132.1

160 44.7 35.4 53.0

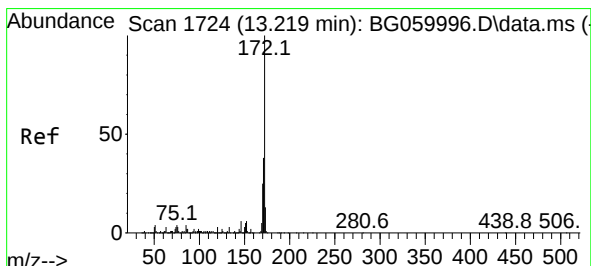
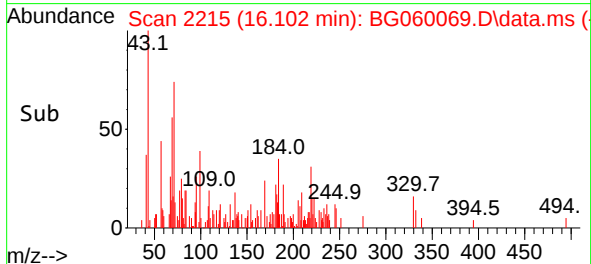
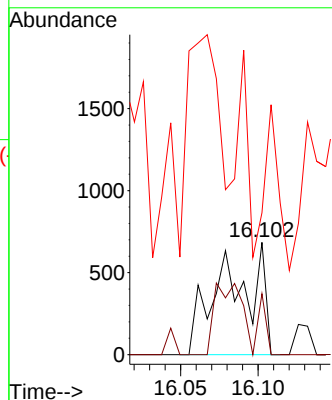
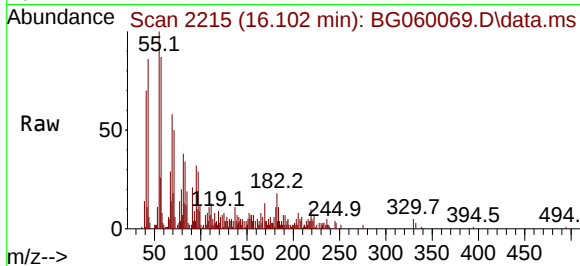




#42
2,4,6-Tribromophenol
Concen: 0.210 ng
RT: 16.102 min Scan# 21
Delta R.T. 0.022 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

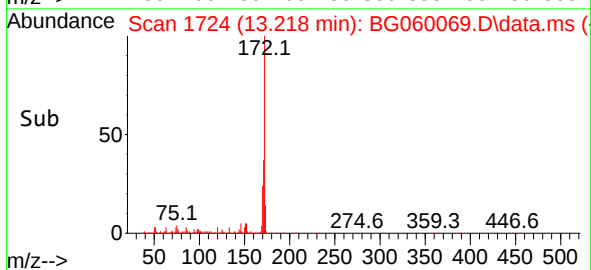
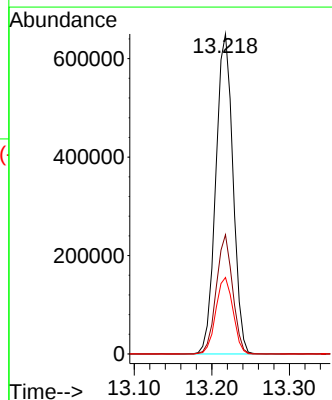
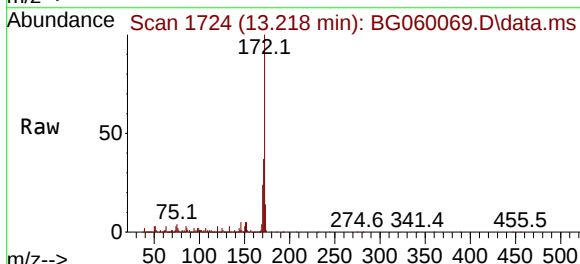
Instrument :
BNA_G
ClientSampleId :
RT-SB-10-11-12

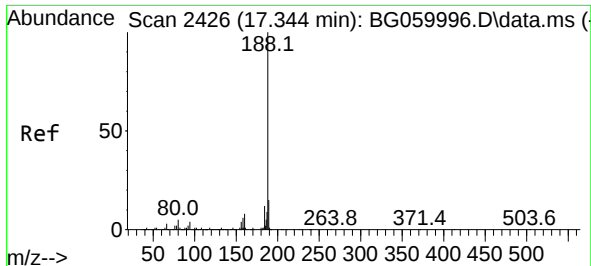
Tgt Ion:330 Resp: 1160
Ion Ratio Lower Upper
330 100
332 0.0 76.2 114.4#
141 43.2 14.3 21.5#



#45
2-Fluorobiphenyl
Concen: 51.559 ng
RT: 13.218 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

Tgt Ion:172 Resp: 997471
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 23.9 20.0 30.0

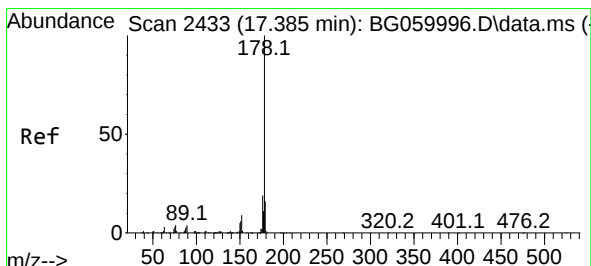
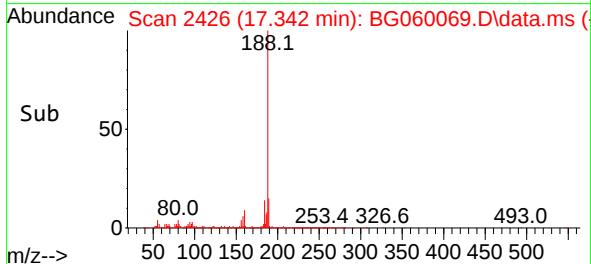
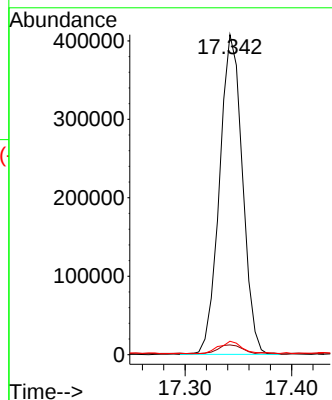
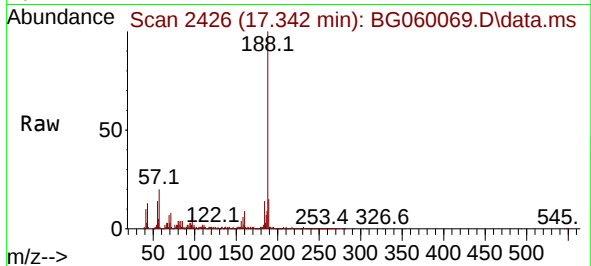




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

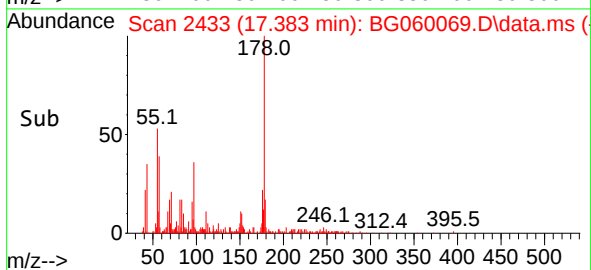
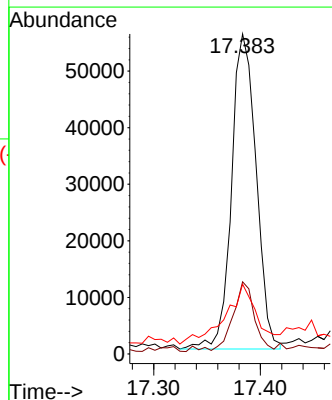
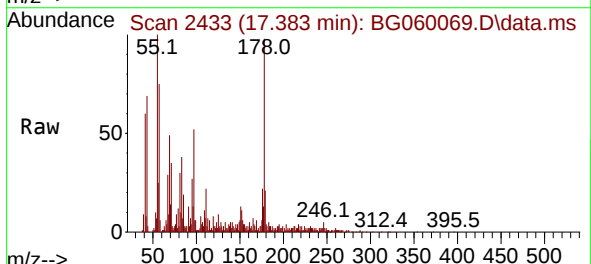
Instrument :
BNA_G
ClientSampleId :
RT-SB-10-11-12

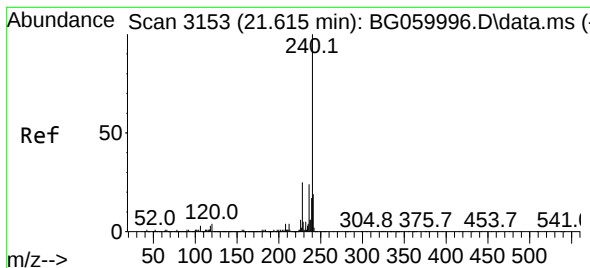
Tgt Ion:188 Resp: 607872
Ion Ratio Lower Upper
188 100
94 3.1 3.0 4.6
80 4.2 4.0 6.0



#71
Phenanthrene
Concen: 3.042 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.002 min
Lab File: BG060069.D
Acq: 18 Dec 2023 16:52

Tgt Ion:178 Resp: 89579
Ion Ratio Lower Upper
178 100
176 22.5 15.6 23.4
179 21.8 12.6 19.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.637 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RT-SB-10-11-12

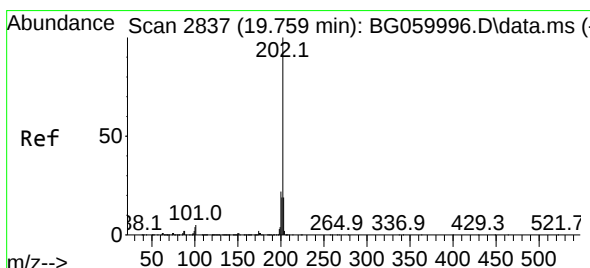
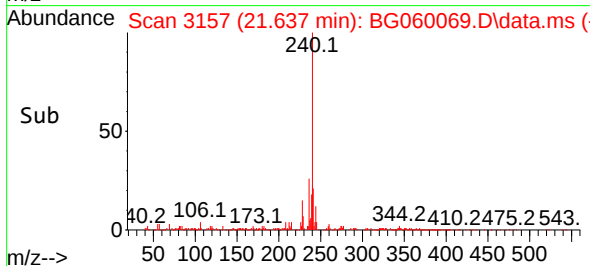
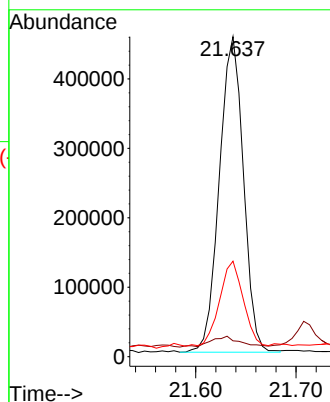
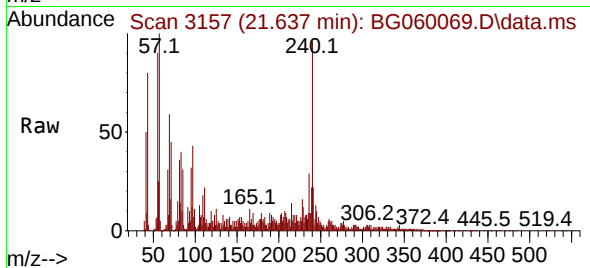
Tgt Ion:240 Resp: 755529

Ion Ratio Lower Upper

240 100

120 4.9 2.9 4.3#

236 29.8 19.4 29.2#



#78

Pyrene

Concen: 4.571 ng

RT: 19.769 min Scan# 2839

Delta R.T. 0.010 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

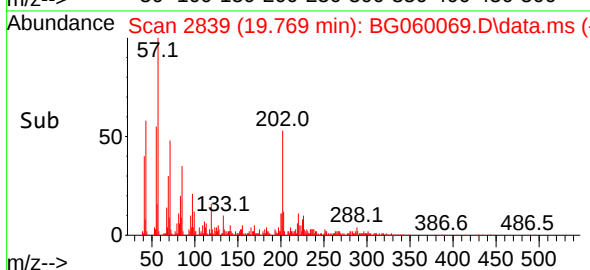
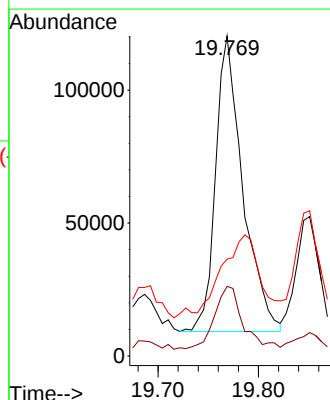
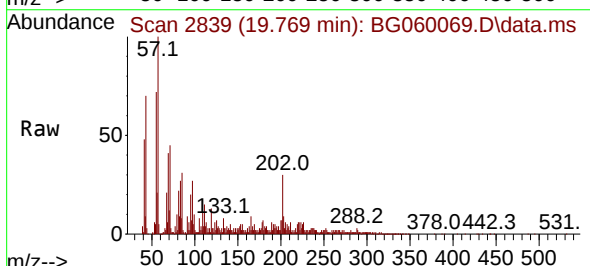
Tgt Ion:202 Resp: 209340

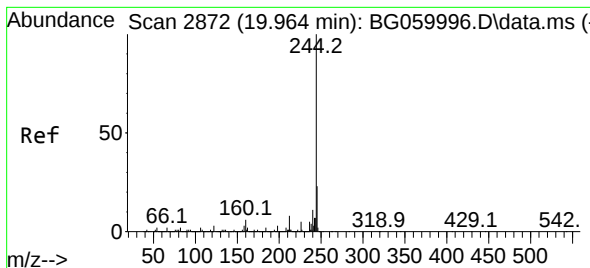
Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

203 30.2 14.9 22.3#





#79

Terphenyl-d14

Concen: 52.348 ng

RT: 19.974 min Scan# 21

Delta R.T. 0.010 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RT-SB-10-11-12

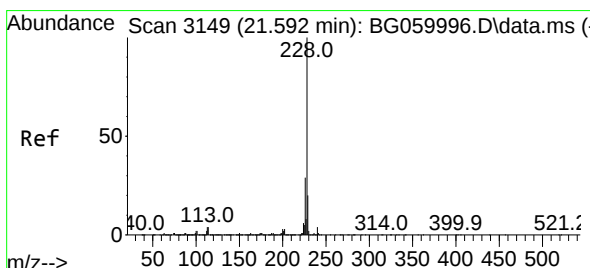
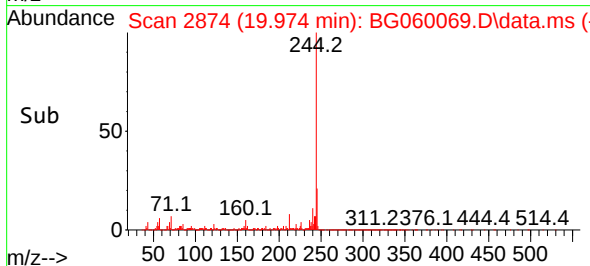
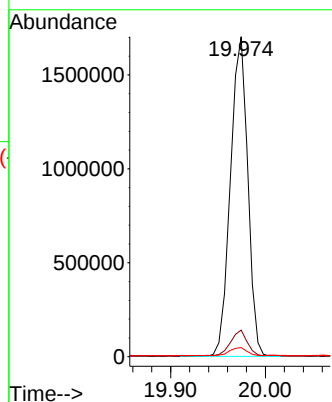
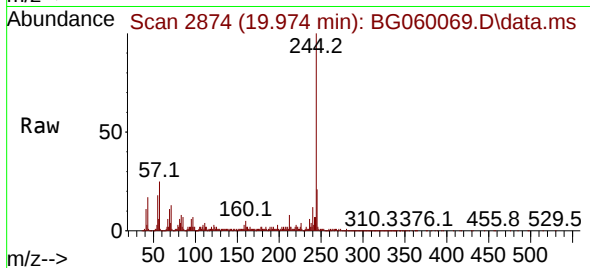
Tgt Ion:244 Resp: 2166317

Ion Ratio Lower Upper

244 100

212 8.3 6.8 10.2

122 2.8 2.6 3.8



#81

Benzo(a)anthracene

Concen: 6.850 ng

RT: 21.614 min Scan# 3153

Delta R.T. 0.022 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

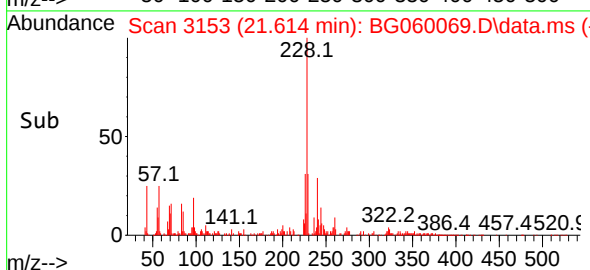
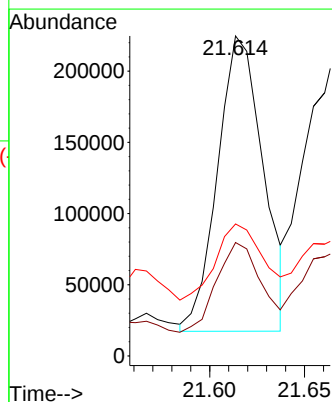
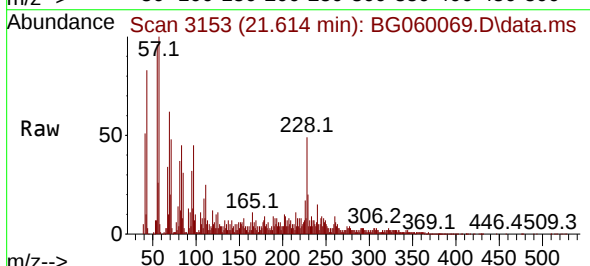
Tgt Ion:228 Resp: 347632

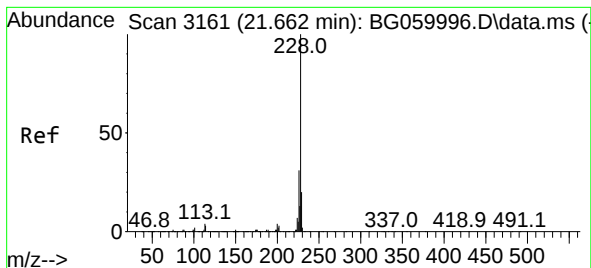
Ion Ratio Lower Upper

228 100

226 35.4 22.9 34.3#

229 41.2 16.2 24.2#





#83

Chrysene

Concen: 16.512 ng

RT: 21.684 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

Instrument :

BNA_G

ClientSampleId :

RT-SB-10-11-12

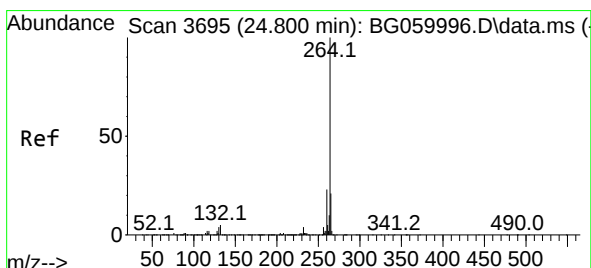
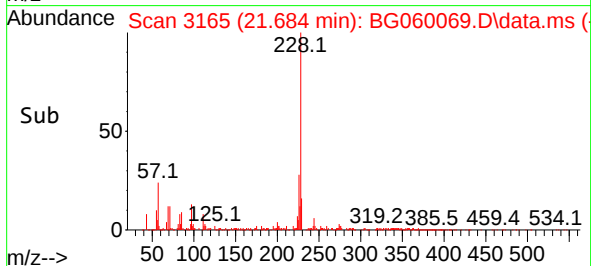
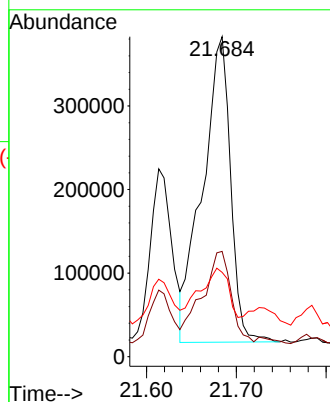
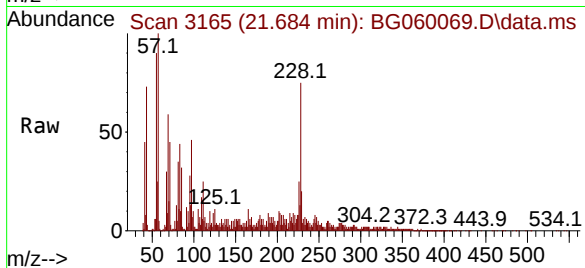
Tgt Ion:228 Resp: 793942

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

229 26.4 16.2 24.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.875 min Scan# 3708

Delta R.T. 0.075 min

Lab File: BG060069.D

Acq: 18 Dec 2023 16:52

Tgt Ion:264 Resp: 832835

Ion Ratio Lower Upper

264 100

260 24.0 18.5 27.7

265 24.7 17.3 25.9

