

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061029.D
 Acq On : 24 Apr 2024 18:56
 Operator : MA/JU
 Sample : P2247-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-04232024

Quant Time: Apr 25 01:19:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

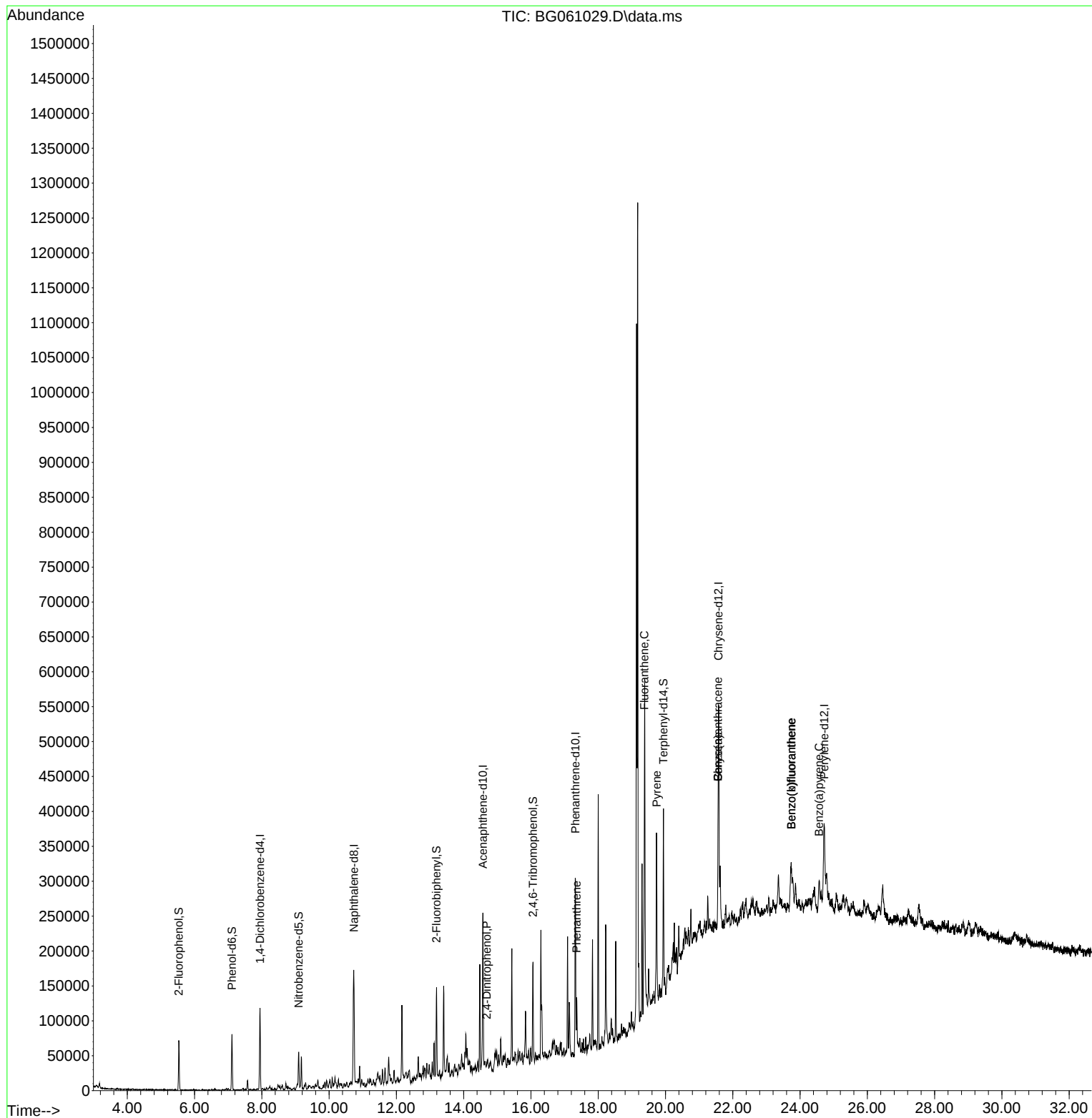
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	29085	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	106377	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	77188	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	169374	20.000	ng	0.00
76) Chrysene-d12	21.578	240	177762	20.000	ng	# 0.00
86) Perylene-d12	24.716	264	185939	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	26750	18.604	ng	0.00
7) Phenol-d6	7.113	99	34979	16.396	ng	0.00
23) Nitrobenzene-d5	9.099	82	26304	11.110	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	26034	15.359	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	64085	11.491	ng	0.00
79) Terphenyl-d14	19.939	244	122872	10.729	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.692	184	53	5.622	ng	# 12
71) Phenanthrene	17.360	178	49562	5.733	ng	97
75) Fluoranthene	19.375	202	124419	10.844	ng	98
78) Pyrene	19.739	202	120987	9.996	ng	98
81) Benzo(a)anthracene	21.561	228	70499	5.641	ng	# 94
83) Chrysene	21.561	228	70499	5.925	ng	96
88) Benzo(b)fluoranthene	23.740	252	72731	6.902	ng	# 91
89) Benzo(k)fluoranthene	23.740	252	72731	6.838	ng	# 89
90) Benzo(a)pyrene	24.569	252	58857	5.771	ng	# 93

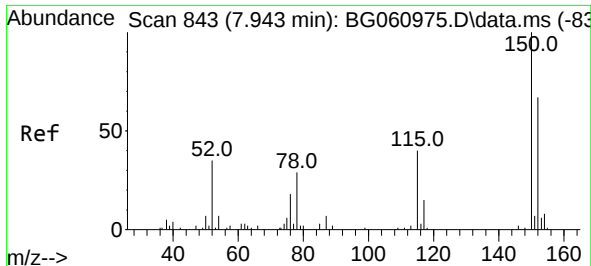
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
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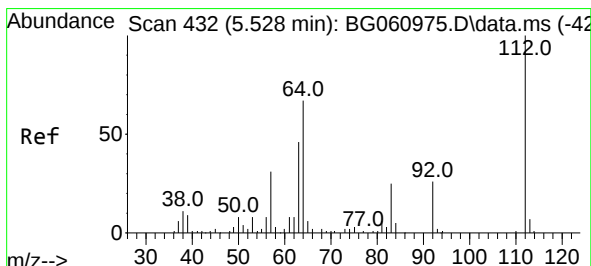
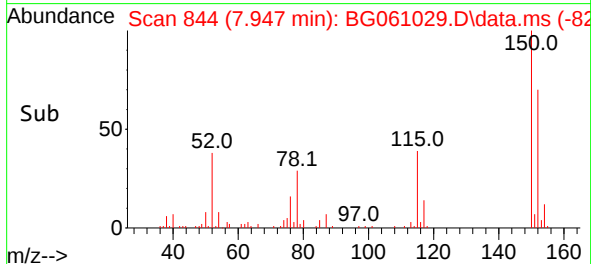
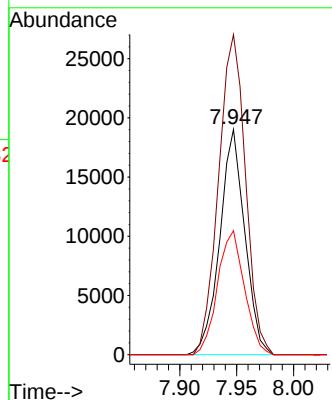
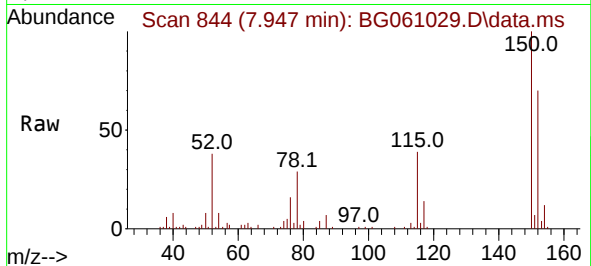




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

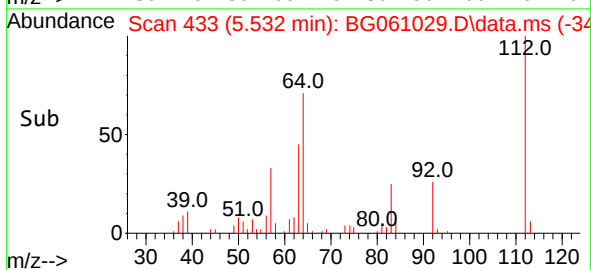
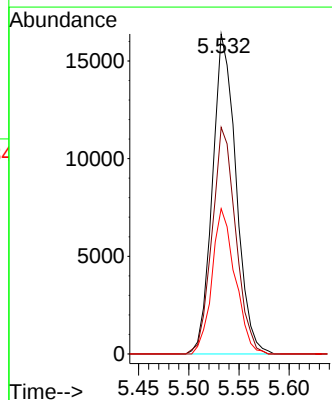
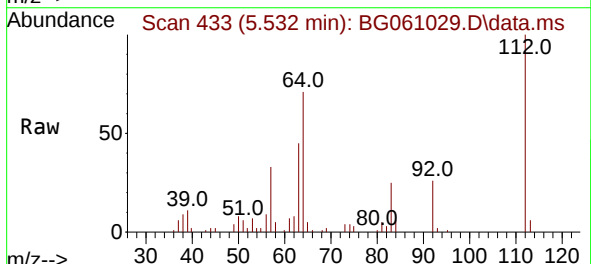
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024

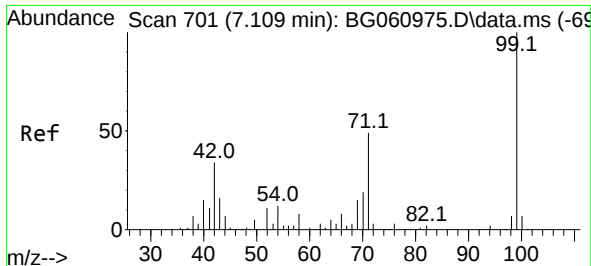
Tgt Ion:152 Resp: 29085
Ion Ratio Lower Upper
152 100
150 142.0 118.6 178.0
115 55.0 47.4 71.0



#5
2-Fluorophenol
Concen: 18.604 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Tgt Ion:112 Resp: 26750
Ion Ratio Lower Upper
112 100
64 70.8 53.7 80.5
63 45.4 37.0 55.6

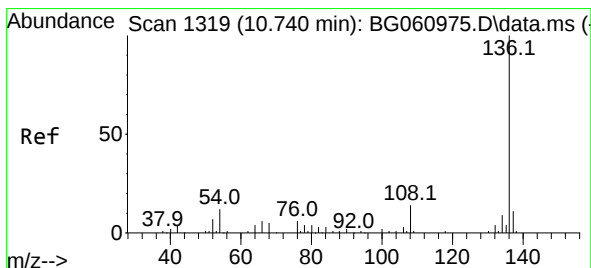
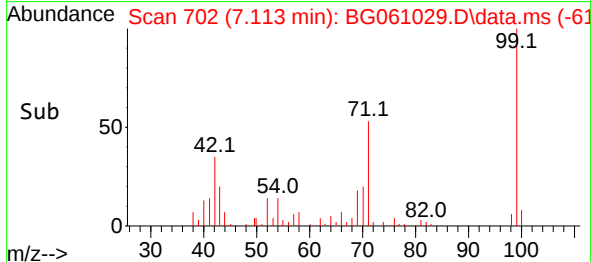
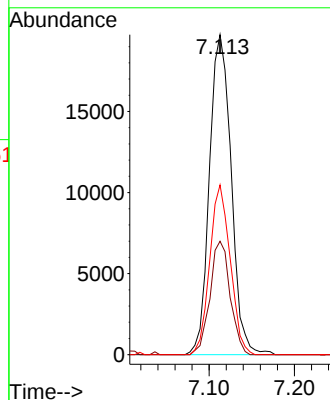
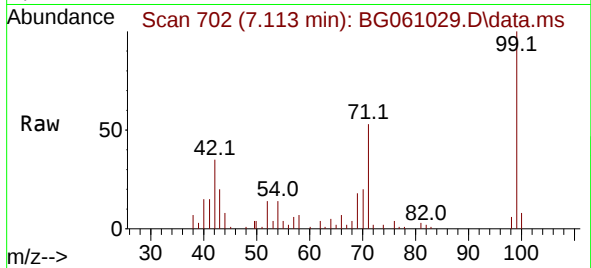




#7
Phenol-d6
Concen: 16.396 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

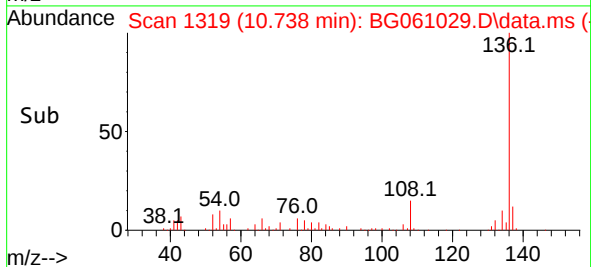
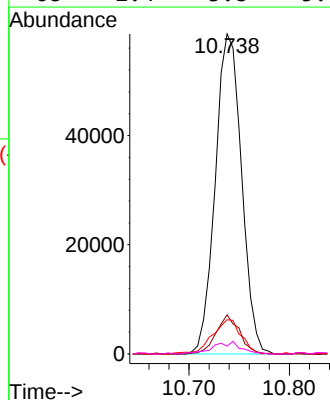
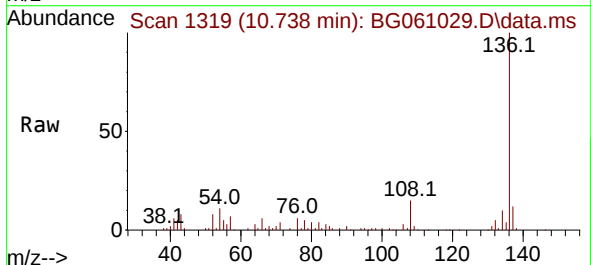
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024

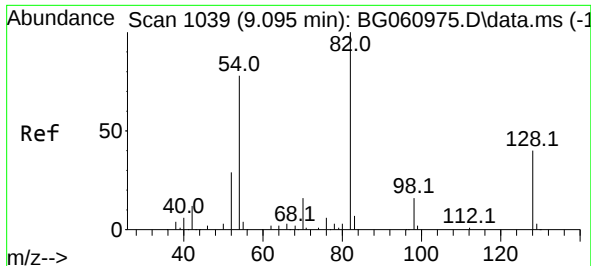
Tgt Ion: 99 Resp: 34979
Ion Ratio Lower Upper
99 100
42 35.4 27.2 40.8
71 53.1 38.8 58.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Tgt Ion: 136 Resp: 106377
Ion Ratio Lower Upper
136 100
137 12.2 8.5 12.7
54 10.7 9.4 14.0
68 2.4 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 11.110 ng

RT: 9.099 min Scan# 1039

Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

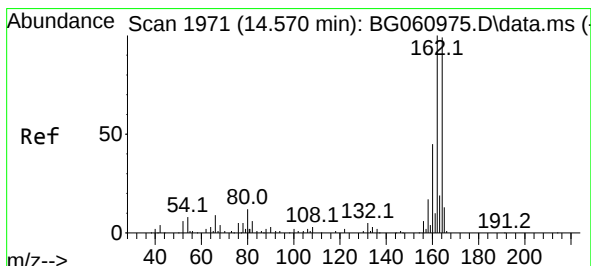
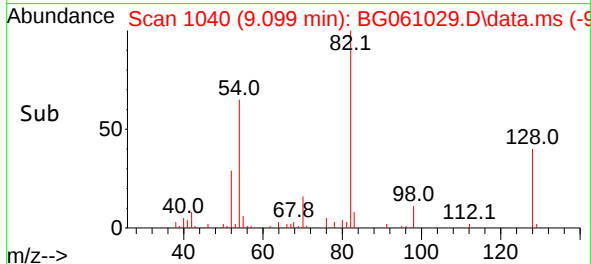
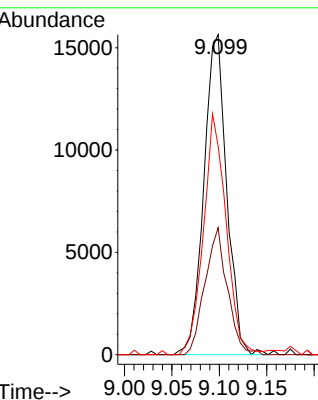
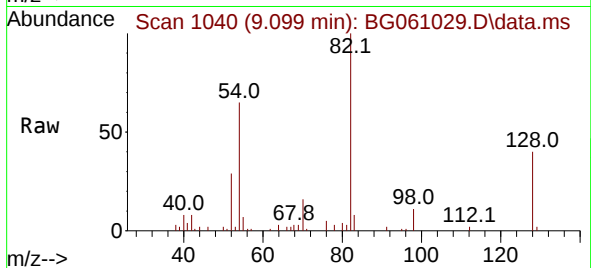
Tgt Ion: 82 Resp: 26304

Ion Ratio Lower Upper

82 100

128 39.7 32.1 48.1

54 65.2 62.3 93.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1972

Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

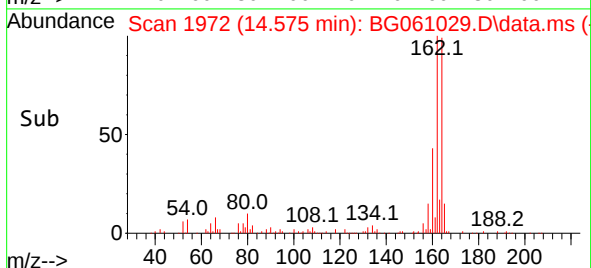
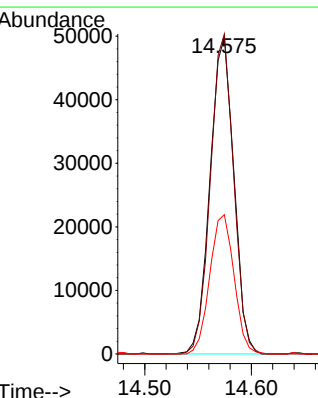
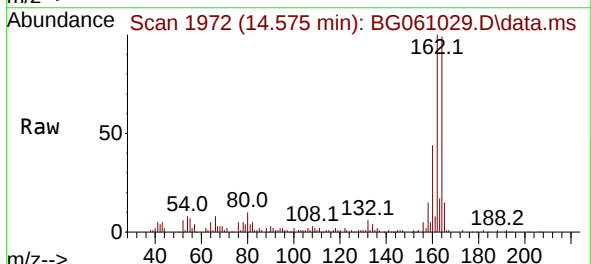
Tgt Ion:164 Resp: 77188

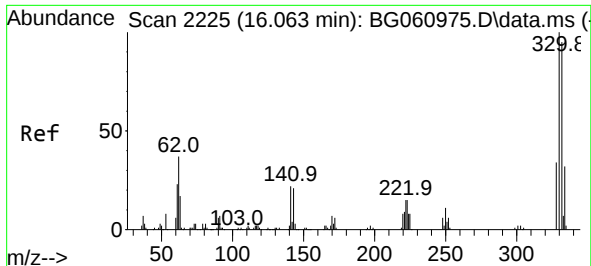
Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

160 44.0 36.2 54.2

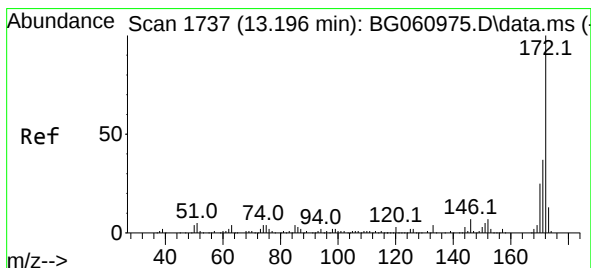
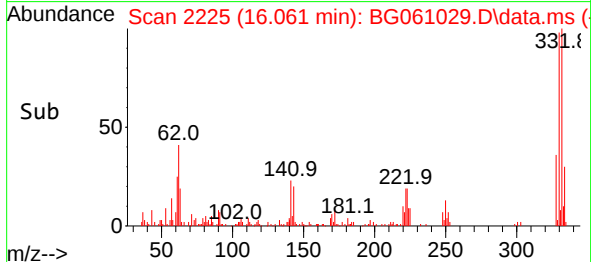
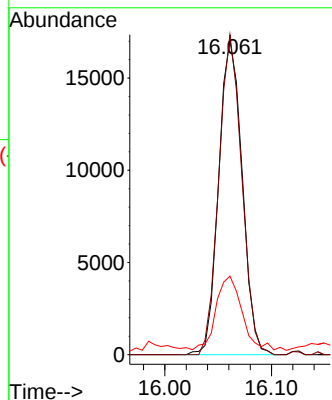
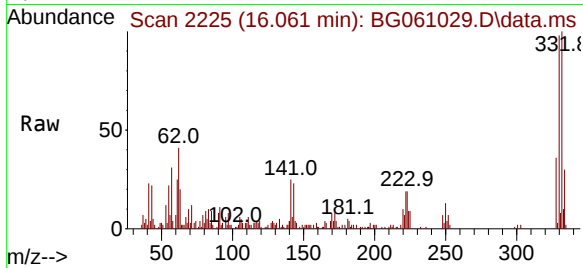




#42
2,4,6-Tribromophenol
Concen: 15.359 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

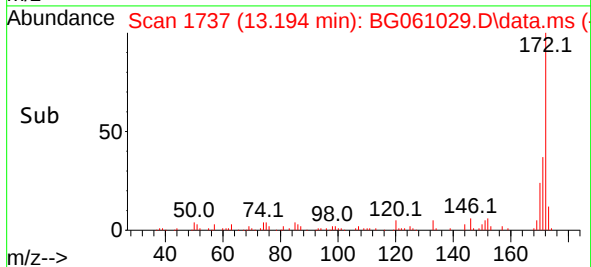
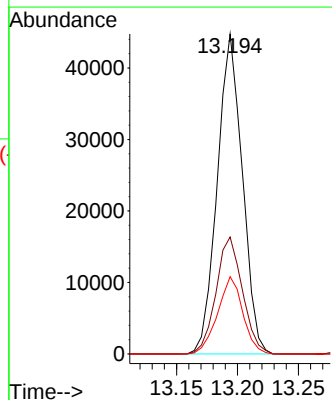
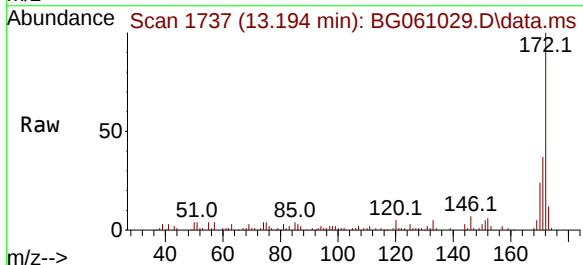
Instrument :
BNA_G
ClientSampleId :
PL-02-04232024

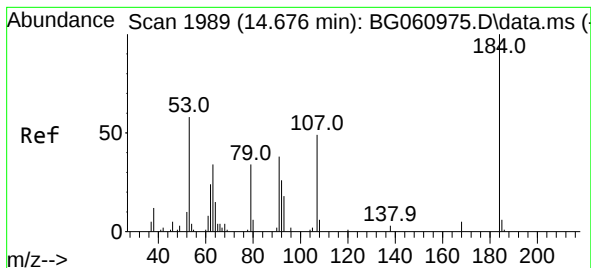
Tgt Ion:330 Resp: 26034
Ion Ratio Lower Upper
330 100
332 99.5 77.1 115.7
141 26.5 20.6 31.0



#45
2-Fluorobiphenyl
Concen: 11.491 ng
RT: 13.194 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Tgt Ion:172 Resp: 64085
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.2 20.1 30.1

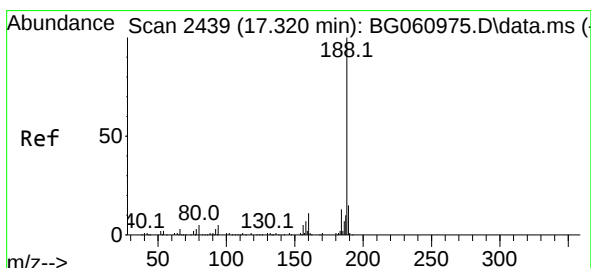
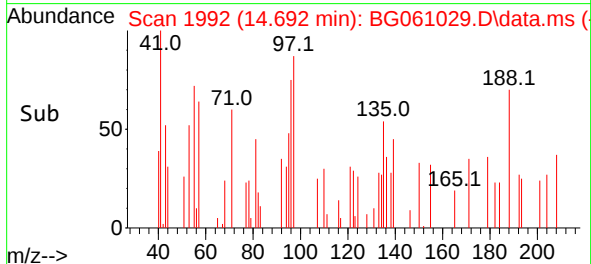
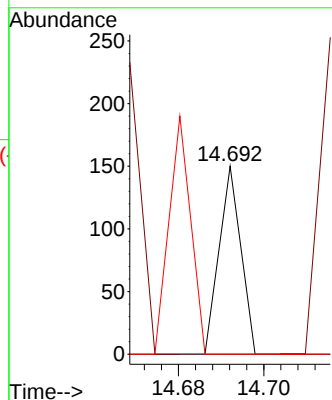
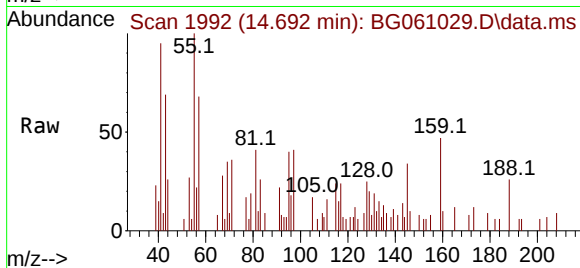




#54
2,4-Dinitrophenol
Concen: 5.622 ng
RT: 14.692 min Scan# 1989
Delta R.T. 0.016 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

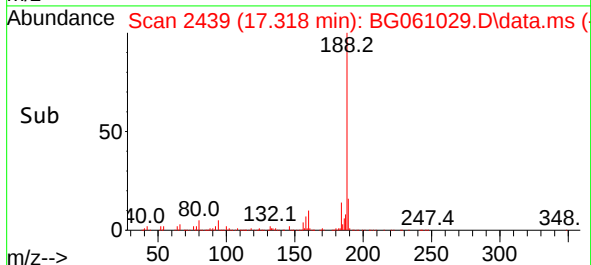
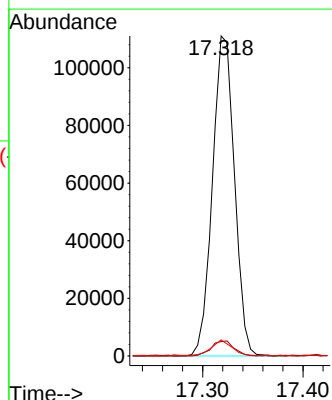
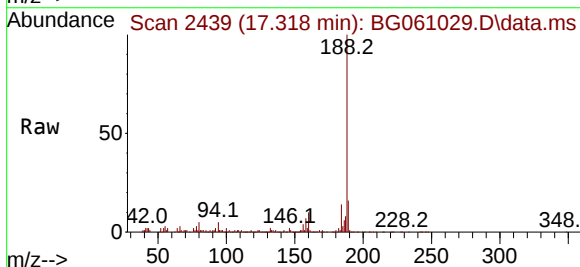
Instrument :
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ClientSampleId :
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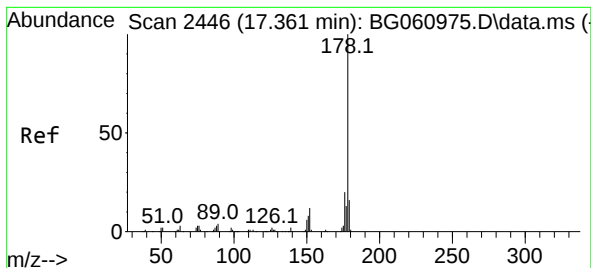
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 59.0 88.6#
154 0.0 61.2 91.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG061029.D
Acq: 24 Apr 2024 18:56

Tgt Ion:188 Resp: 169374
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 5.0 4.0 6.0





#71

Phenanthrene

Concen: 5.733 ng

RT: 17.360 min Scan# 2446

Delta R.T. -0.001 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

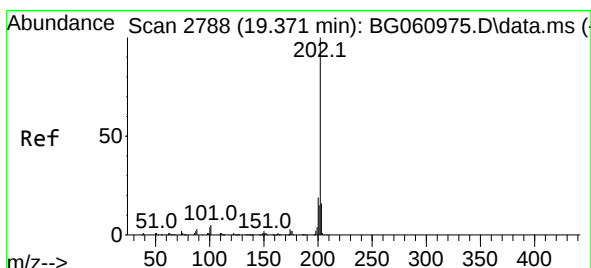
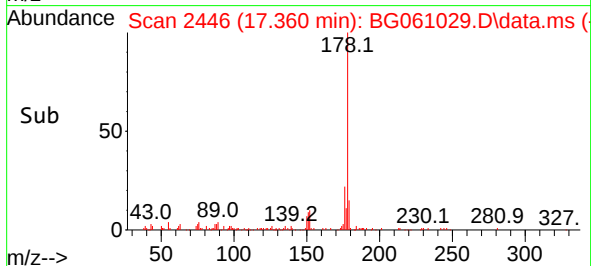
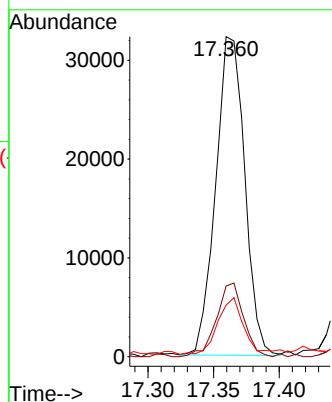
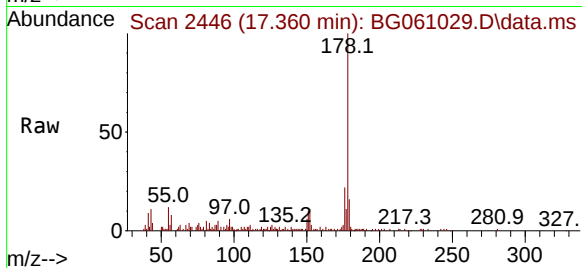
Tgt Ion:178 Resp: 49562

Ion Ratio Lower Upper

178 100

176 22.1 16.0 24.0

179 16.1 12.5 18.7



#75

Fluoranthene

Concen: 10.844 ng

RT: 19.375 min Scan# 2789

Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

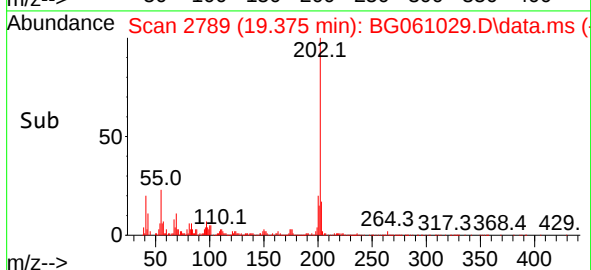
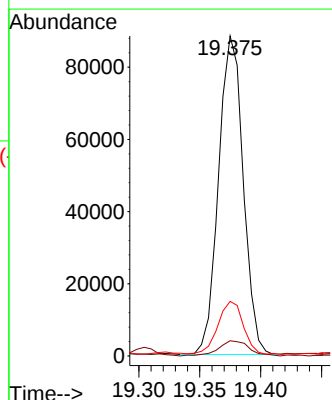
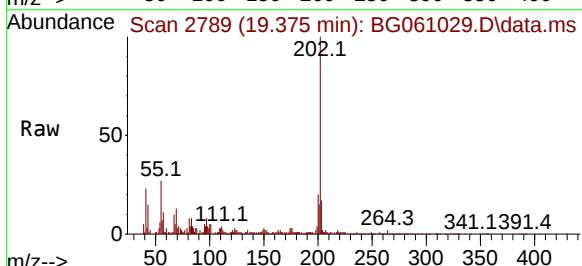
Tgt Ion:202 Resp: 124419

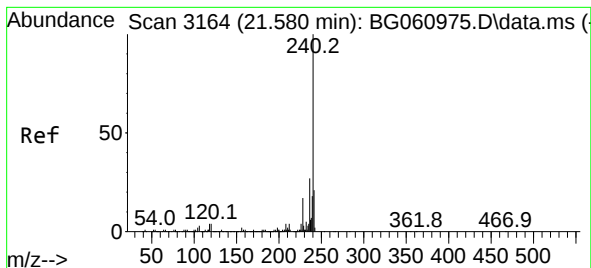
Ion Ratio Lower Upper

202 100

101 4.7 0.0 24.9

203 17.0 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 3164

Delta R.T. -0.002 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

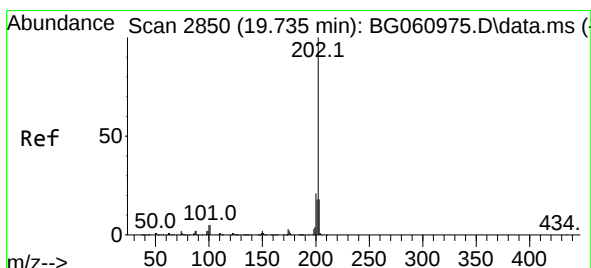
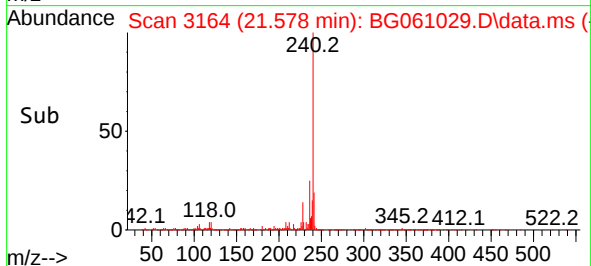
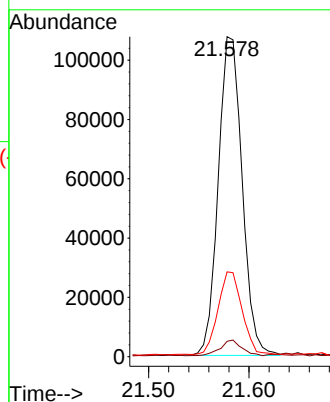
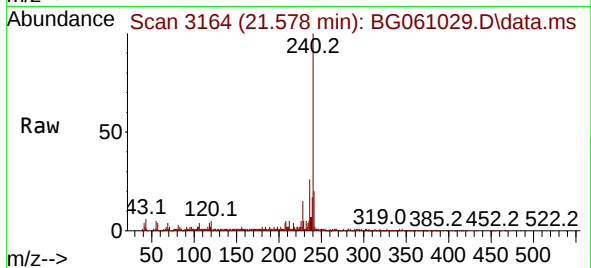
Tgt Ion:240 Resp: 177762

Ion Ratio Lower Upper

240 100

120 4.8 3.0 4.6#

236 26.5 21.8 32.6



#78

Pyrene

Concen: 9.996 ng

RT: 19.739 min Scan# 2851

Delta R.T. 0.004 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

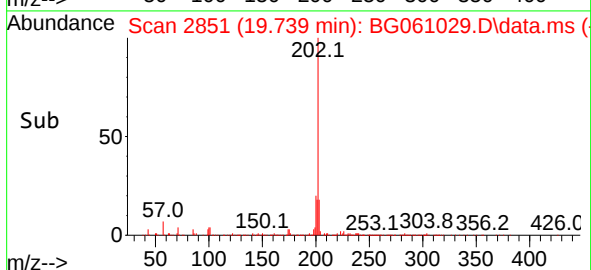
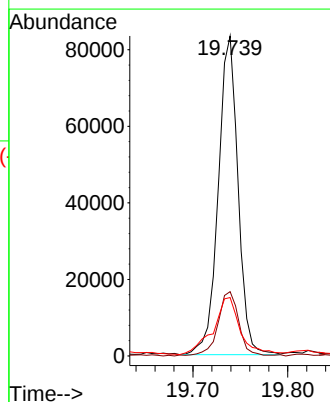
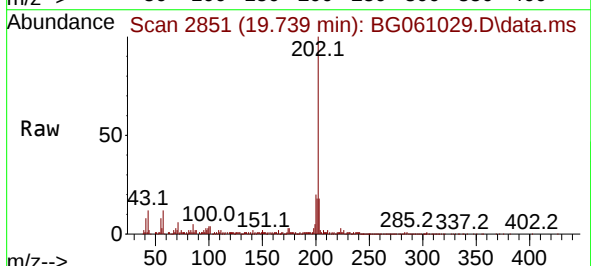
Tgt Ion:202 Resp: 120987

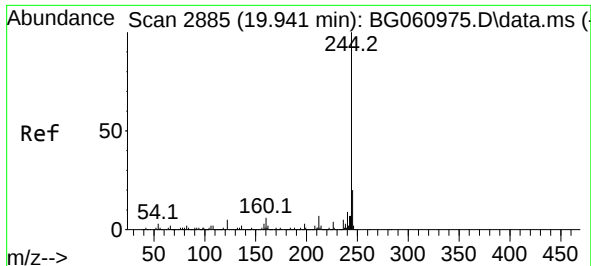
Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

203 18.2 14.2 21.2

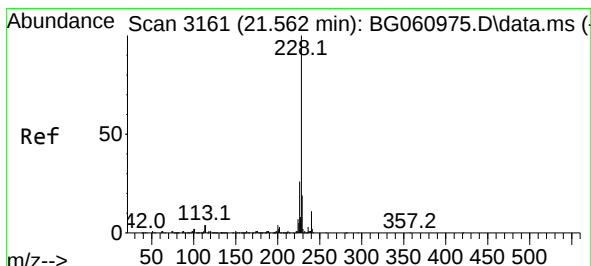
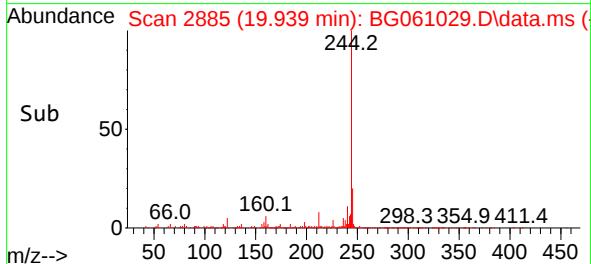
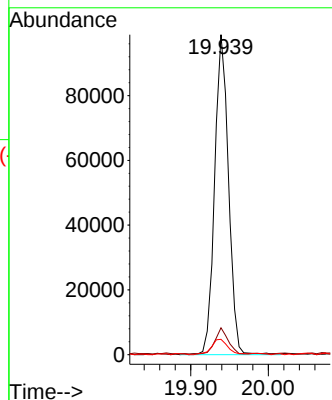
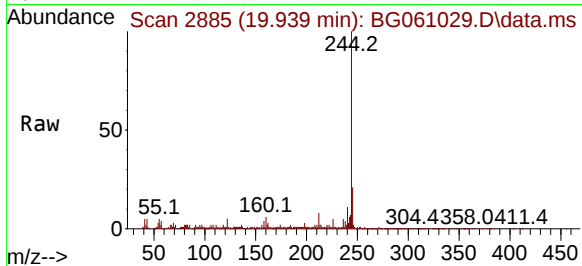




#79
 Terphenyl-d14
 Concen: 10.729 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG061029.D
 Acq: 24 Apr 2024 18:56

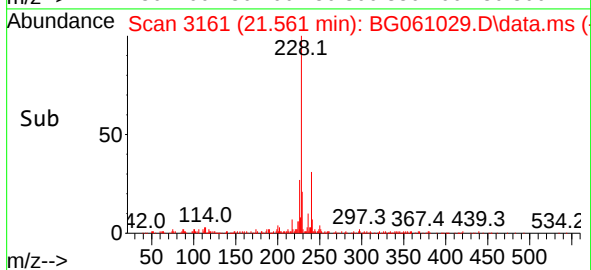
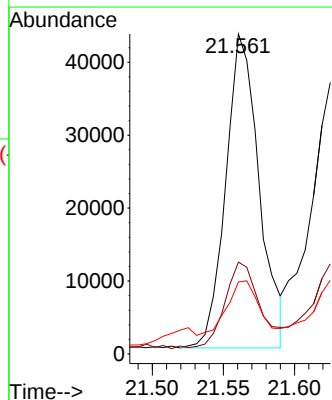
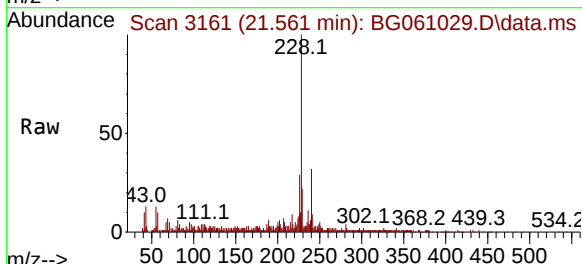
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-04232024

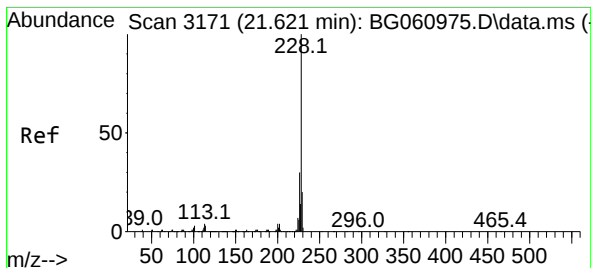
Tgt Ion:244 Resp: 122872
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.9 8.9
 122 4.8 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 5.641 ng
 RT: 21.561 min Scan# 3161
 Delta R.T. -0.002 min
 Lab File: BG061029.D
 Acq: 24 Apr 2024 18:56

Tgt Ion:228 Resp: 70499
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.0 31.4
 229 22.5 15.0 22.4#





#83

Chrysene

Concen: 5.925 ng

RT: 21.561 min Scan# 31

Delta R.T. -0.060 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

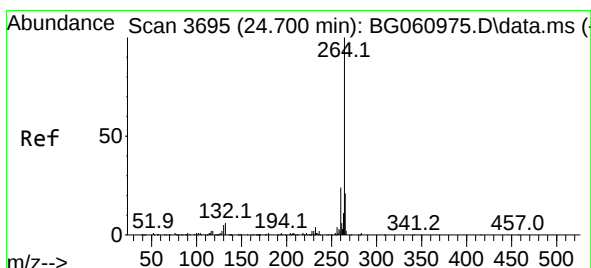
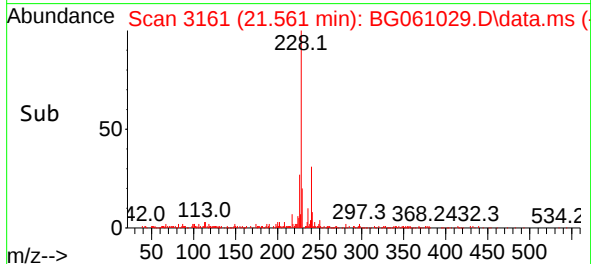
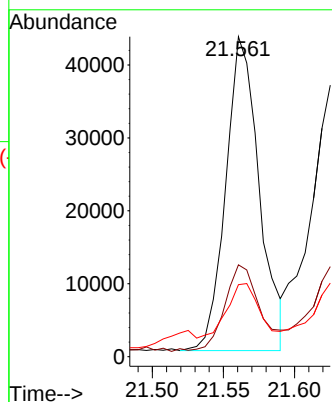
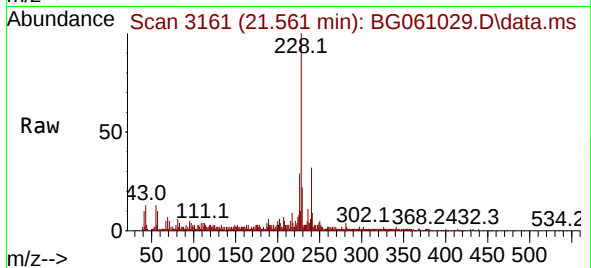
Tgt Ion:228 Resp: 70499

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.2

229 22.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.716 min Scan# 3698

Delta R.T. 0.016 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

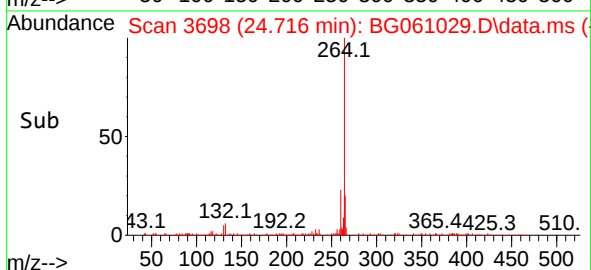
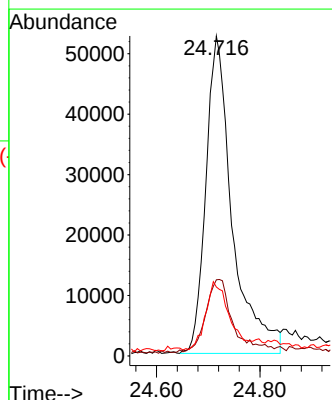
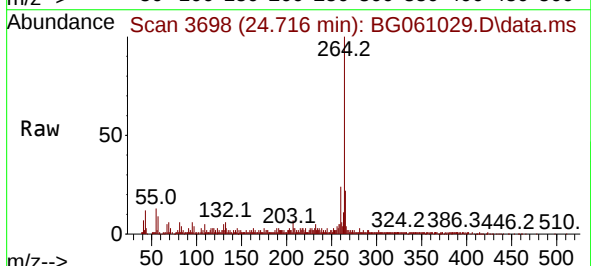
Tgt Ion:264 Resp: 185939

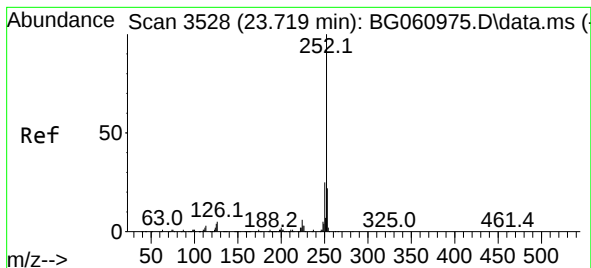
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 6.902 ng

RT: 23.740 min Scan# 3532

Delta R.T. 0.022 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024

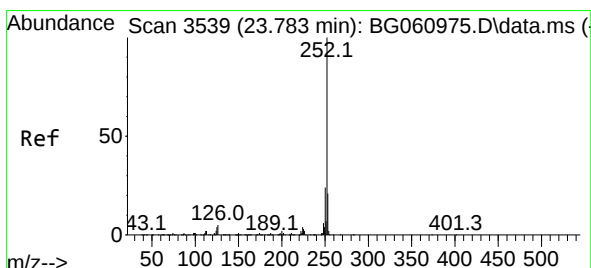
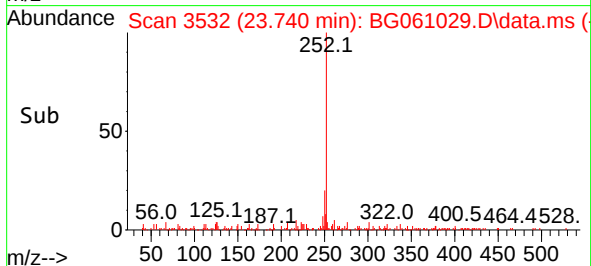
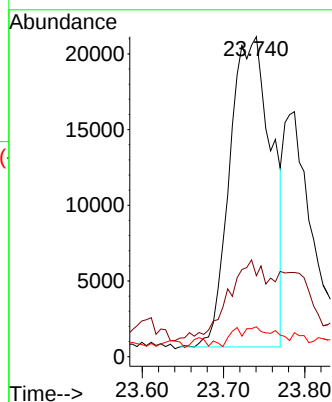
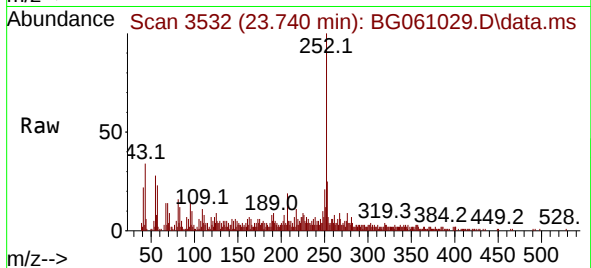
Tgt Ion:252 Resp: 72731

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 9.3 3.3 4.9#



#89

Benzo(k)fluoranthene

Concen: 6.838 ng

RT: 23.740 min Scan# 3532

Delta R.T. -0.043 min

Lab File: BG061029.D

Acq: 24 Apr 2024 18:56

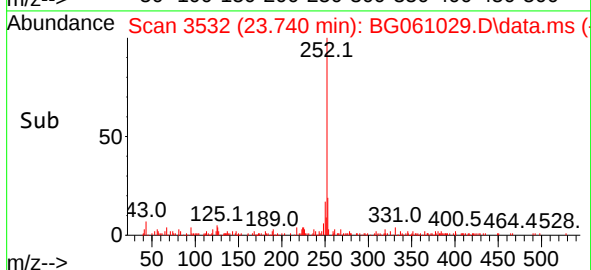
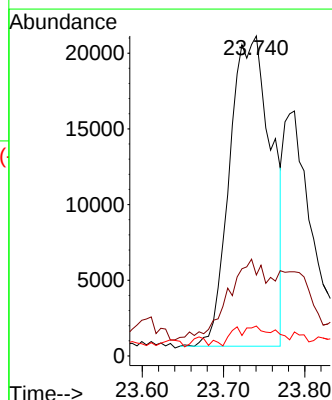
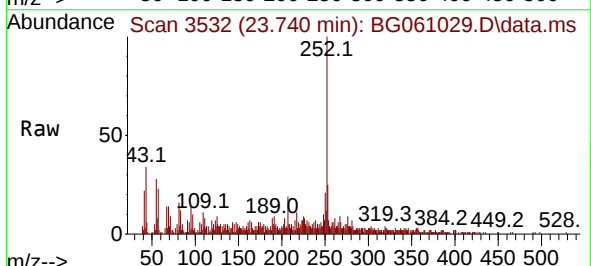
Tgt Ion:252 Resp: 72731

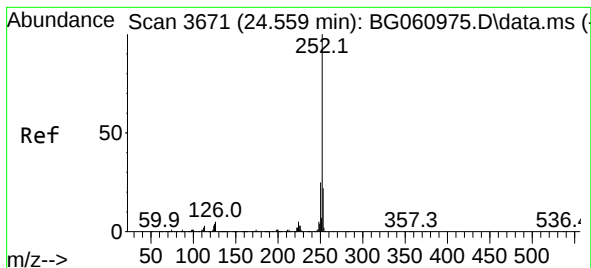
Ion Ratio Lower Upper

252 100

253 25.3 16.6 25.0#

125 9.3 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 5.771 ng

RT: 24.569 min Scan# 30

Delta R.T. 0.010 min

Lab File: BG061029.D

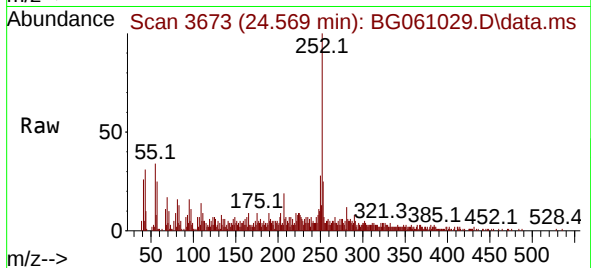
Acq: 24 Apr 2024 18:56

Instrument :

BNA_G

ClientSampleId :

PL-02-04232024



Tgt Ion:252 Resp: 58857

Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 7.4 3.6 5.4#

