

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061044.D
 Acq On : 25 Apr 2024 19:26
 Operator : MA/JU
 Sample : P2262-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-04242024

Quant Time: Apr 26 01:18:38 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)

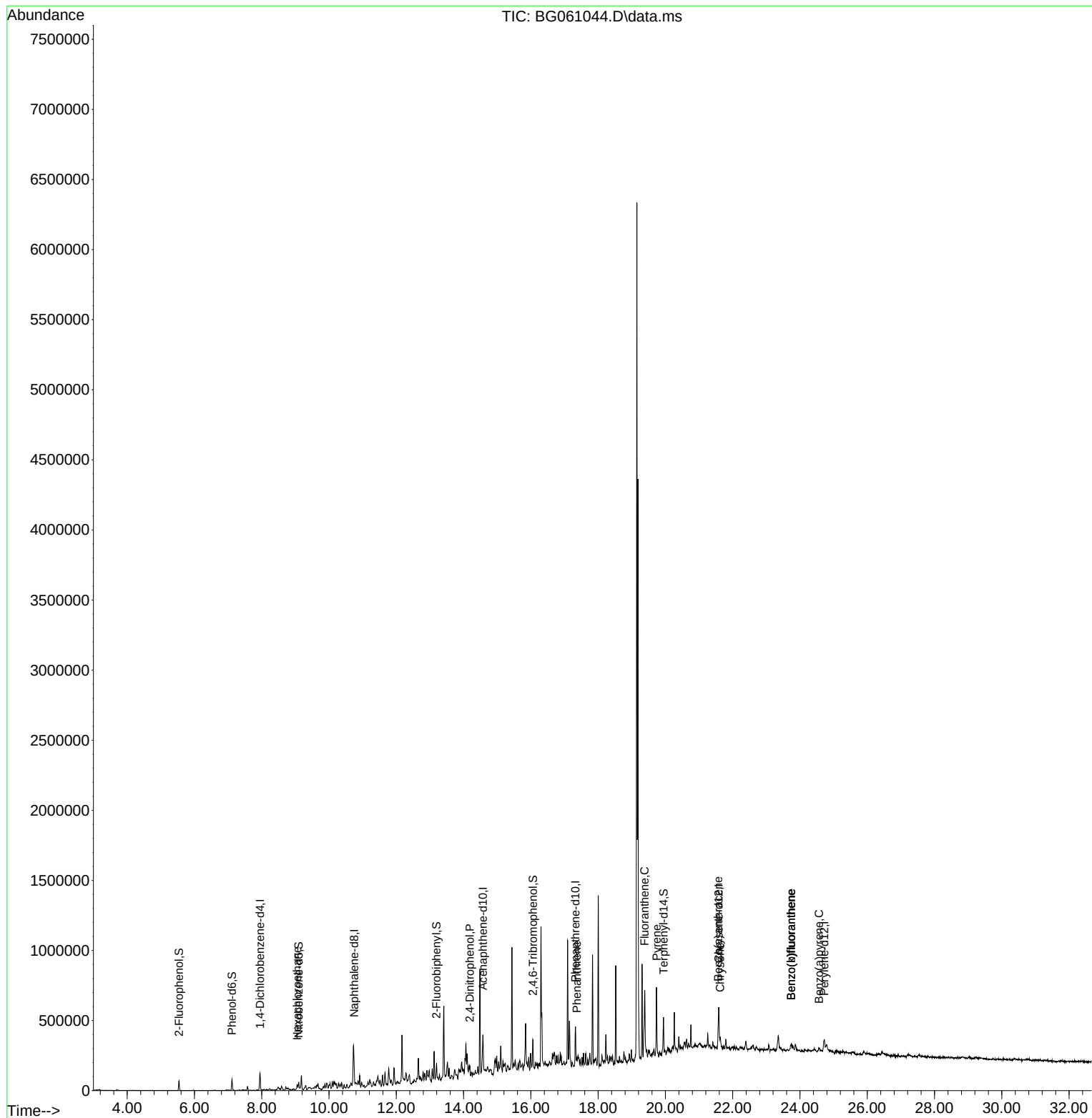
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	31483	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	115679	20.000	ng	# 0.00
39) Acenaphthene-d10	14.575	164	81222	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	176878	20.000	ng	0.00
76) Chrysene-d12	21.584	240	185619	20.000	ng	0.00
86) Perylene-d12	24.716	264	137306	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	25637	16.471	ng	0.01
7) Phenol-d6	7.113	99	33424	14.473	ng	0.00
23) Nitrobenzene-d5	9.099	82	24144	9.377	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	24425	13.694	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	64667	11.019	ng	0.00
79) Terphenyl-d14	19.945	244	119311	9.977	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.052	117	3123	3.912	ng	# 1
54) 2,4-Dinitrophenol	14.187	184	304	5.875	ng	90
71) Phenanthrene	17.366	178	30135	3.338	ng	# 94
75) Fluoranthene	19.381	202	123345	10.294	ng	96
78) Pyrene	19.739	202	122330	9.679	ng	95
81) Benzo(a)anthracene	21.567	228	66388	5.087	ng	# 90
83) Chrysene	21.625	228	61115	4.919	ng	# 93
88) Benzo(b)fluoranthene	23.735	252	59206	7.609	ng	# 87
89) Benzo(k)fluoranthene	23.735	252	59206	7.538	ng	# 85
90) Benzo(a)pyrene	24.569	252	35206	4.675	ng	# 83

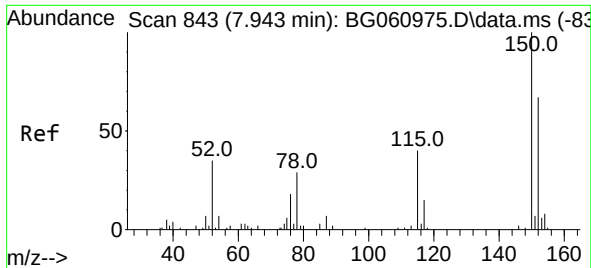
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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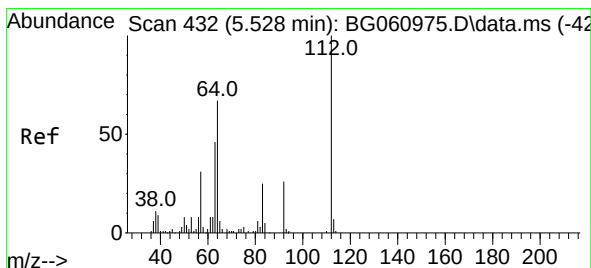
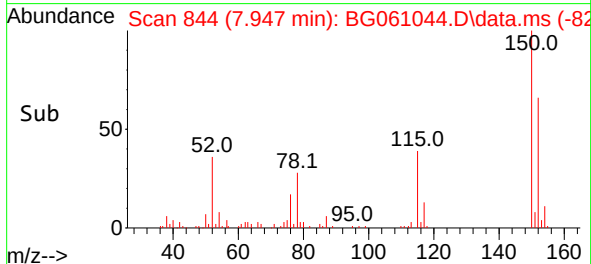
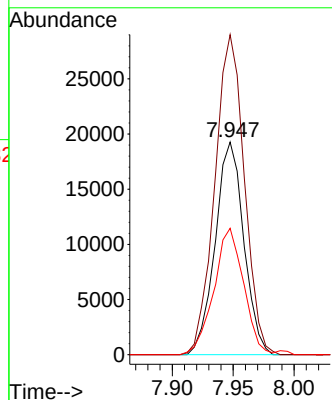
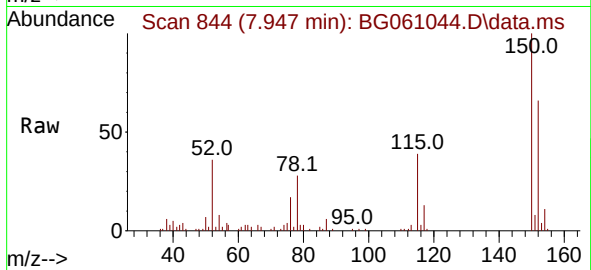




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

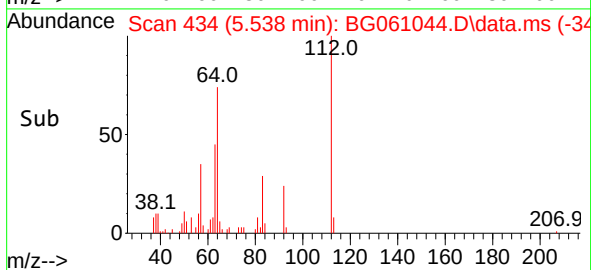
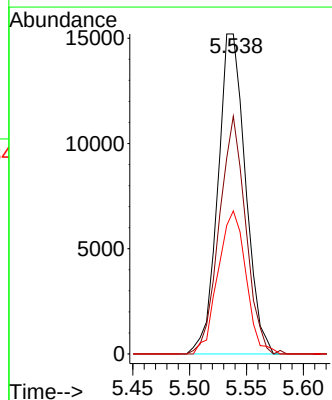
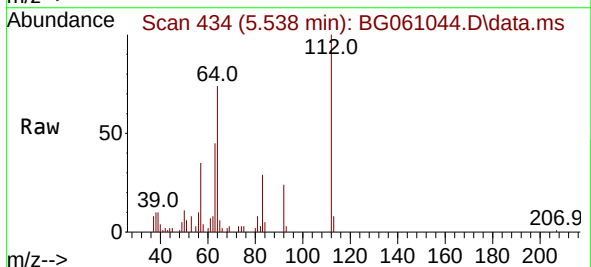
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

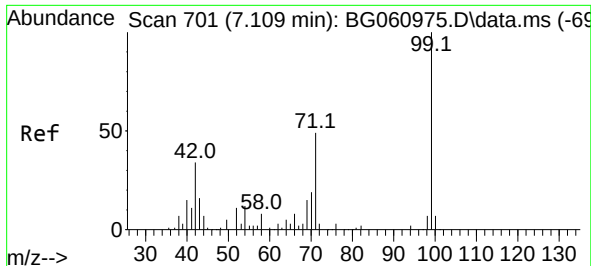
Tgt Ion:152 Resp: 31483
Ion Ratio Lower Upper
152 100
150 150.5 118.6 178.0
115 59.4 47.4 71.0



#5
2-Fluorophenol
Concen: 16.471 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion:112 Resp: 25637
Ion Ratio Lower Upper
112 100
64 74.3 53.7 80.5
63 44.7 37.0 55.6

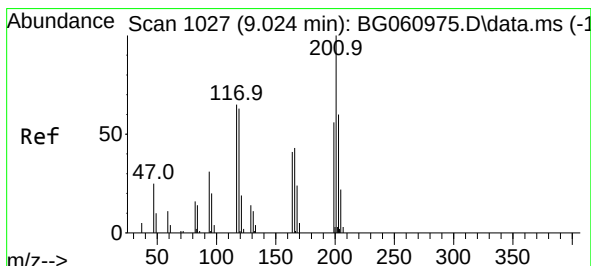
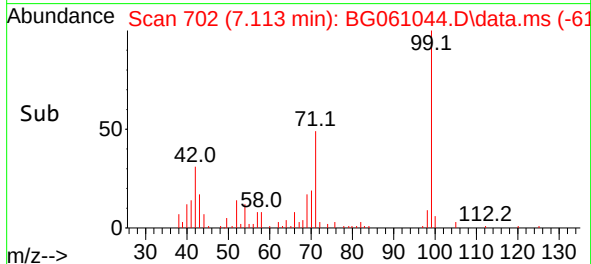
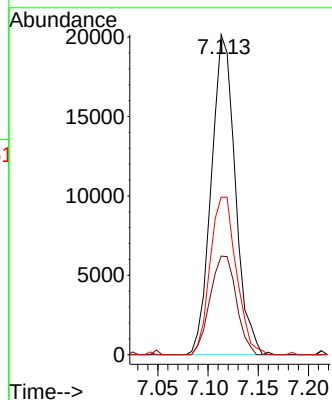
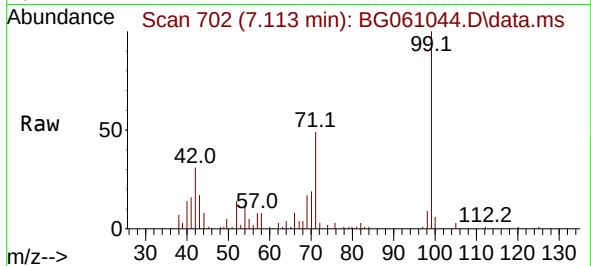




#7
Phenol-d6
Concen: 14.473 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

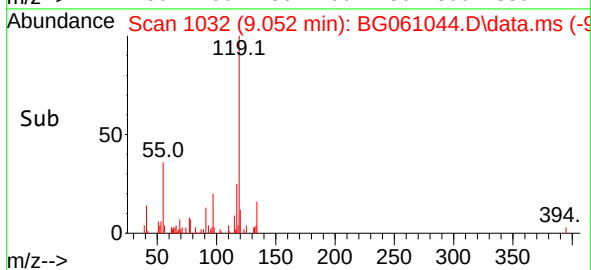
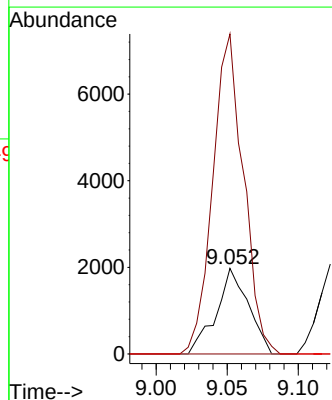
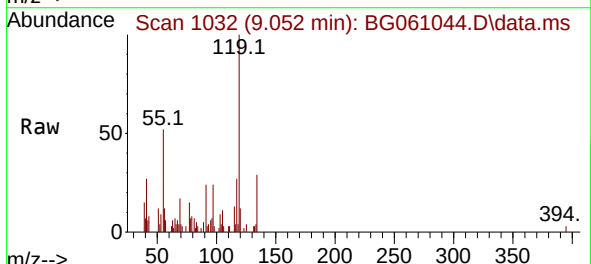
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

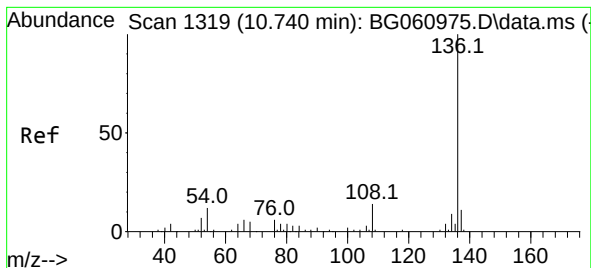
Tgt Ion: 99 Resp: 33424
Ion Ratio Lower Upper
99 100
42 30.8 27.2 40.8
71 49.2 38.8 58.2



#18
Hexachloroethane
Concen: 3.912 ng
RT: 9.052 min Scan# 1032
Delta R.T. 0.028 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion: 117 Resp: 3123
Ion Ratio Lower Upper
117 100
119 374.0 79.8 119.8#
201 0.0 124.0 186.0#

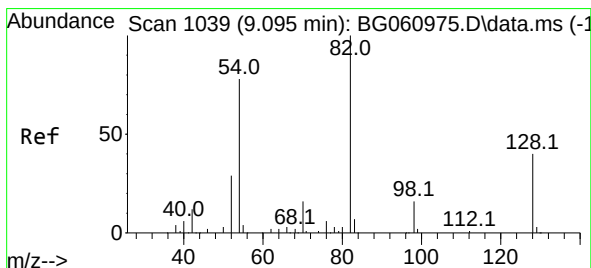
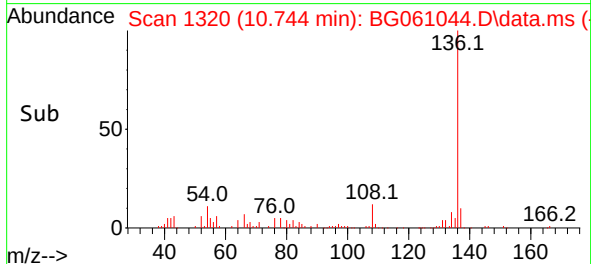
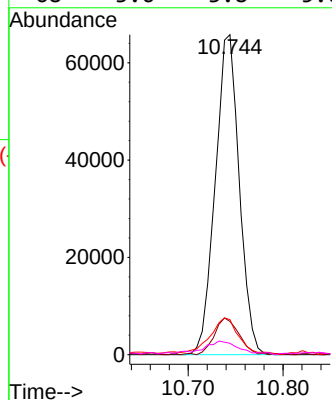
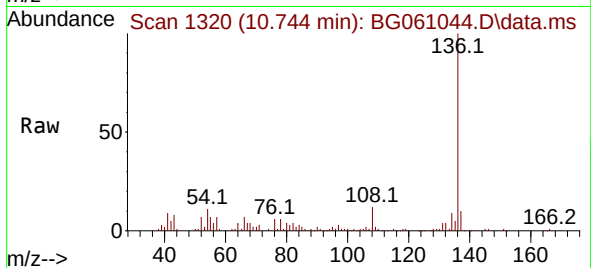




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

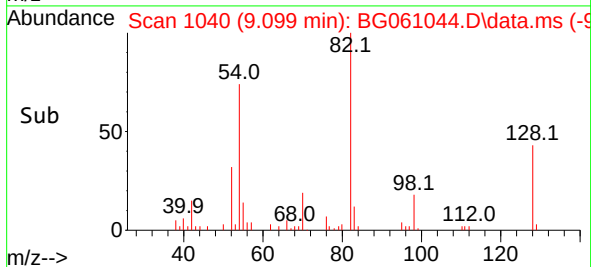
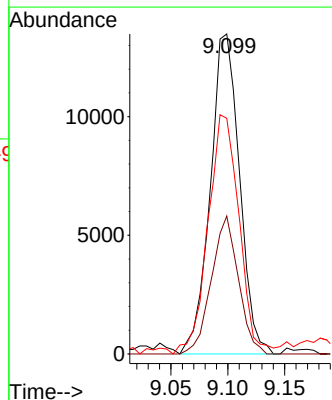
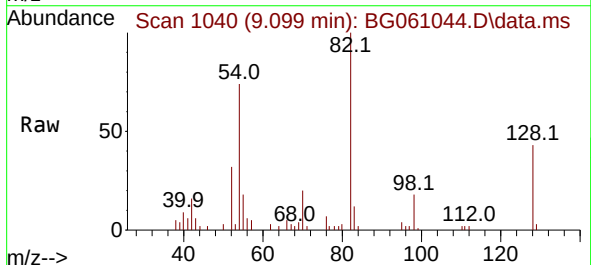
Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

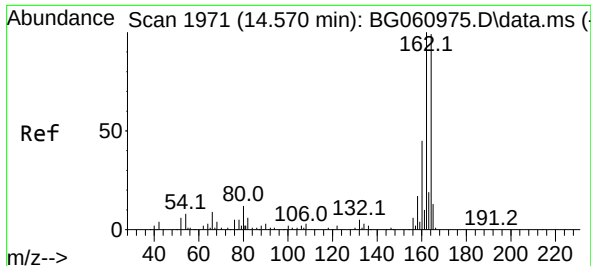
Tgt Ion:136 Resp: 115679
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 10.9 9.4 14.0
68 3.6 3.8 5.6#



#23
Nitrobenzene-d5
Concen: 9.377 ng
RT: 9.099 min Scan# 1040
Delta R.T. 0.004 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion: 82 Resp: 24144
Ion Ratio Lower Upper
82 100
128 43.1 32.1 48.1
54 73.7 62.3 93.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1971

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

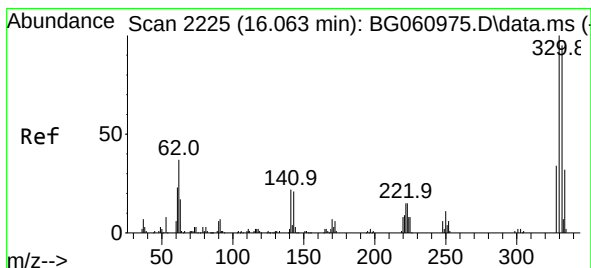
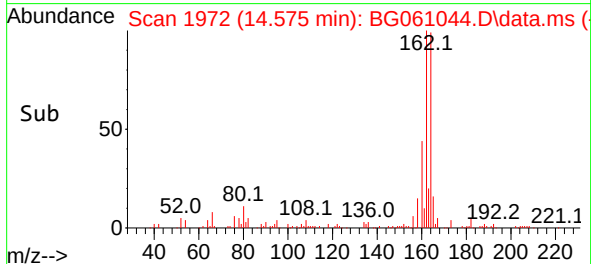
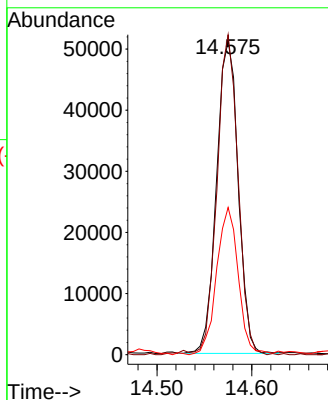
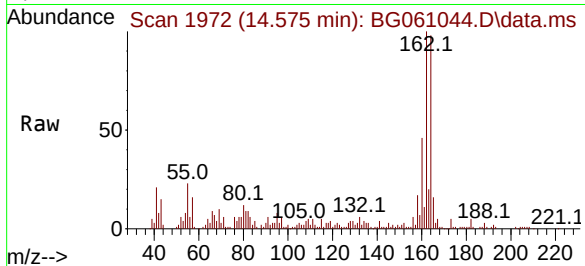
Tgt Ion:164 Resp: 81222

Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

160 46.9 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 13.694 ng

RT: 16.061 min Scan# 2225

Delta R.T. -0.002 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

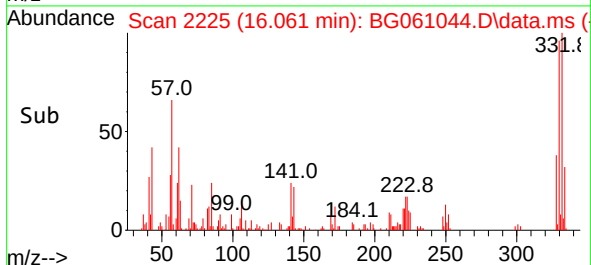
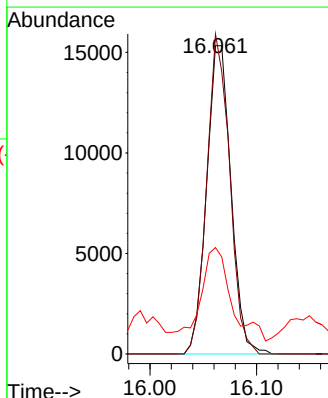
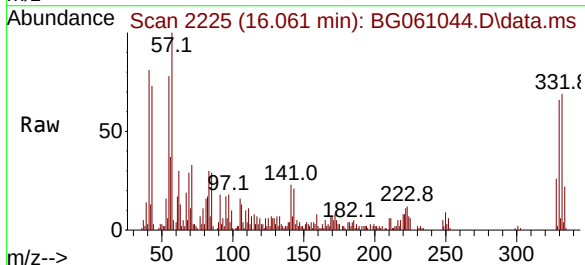
Tgt Ion:330 Resp: 24425

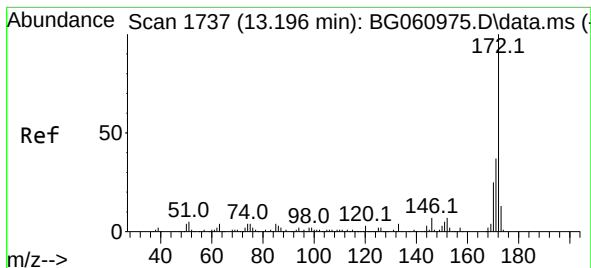
Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 37.4 20.6 31.0#





#45

2-Fluorobiphenyl

Concen: 11.019 ng

RT: 13.194 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

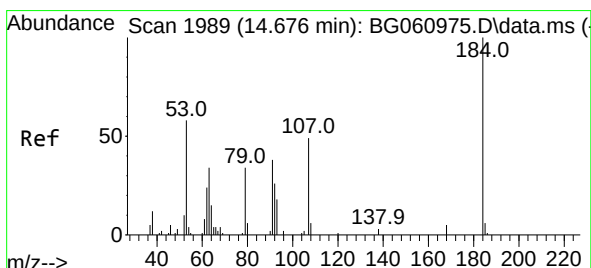
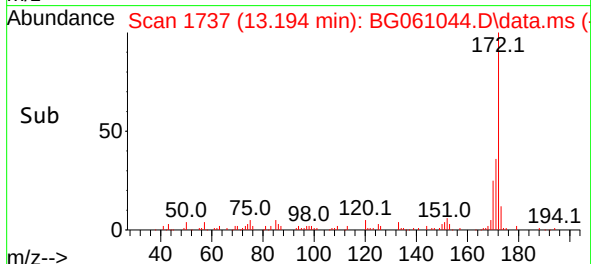
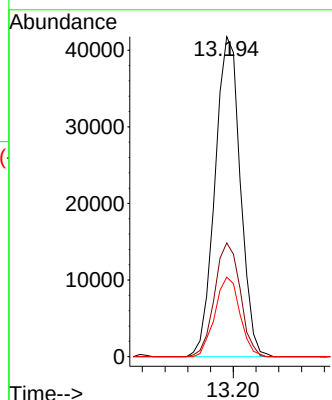
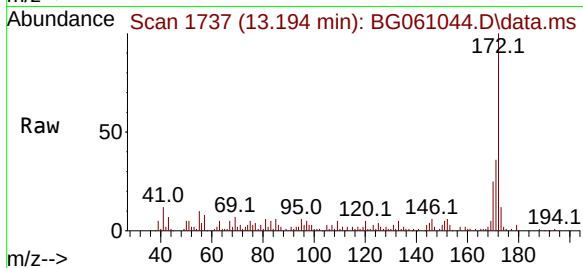
Tgt Ion:172 Resp: 64667

Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

170 24.8 20.1 30.1



#54

2,4-Dinitrophenol

Concen: 5.875 ng

RT: 14.187 min Scan# 1906

Delta R.T. -0.489 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

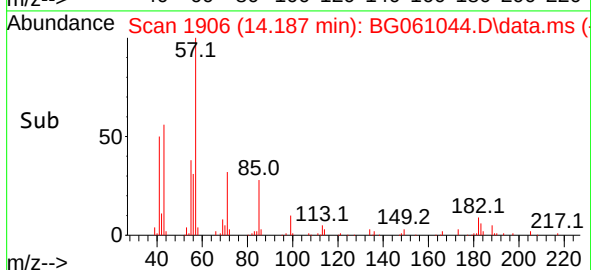
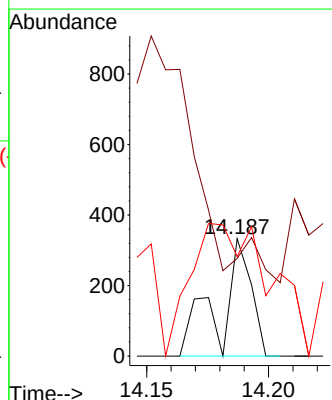
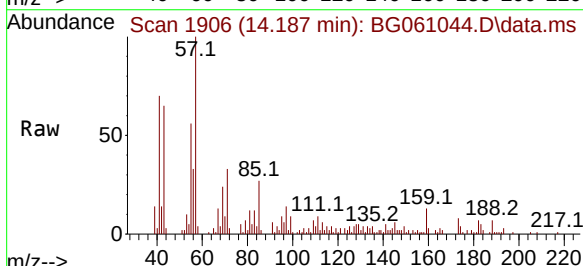
Tgt Ion:184 Resp: 304

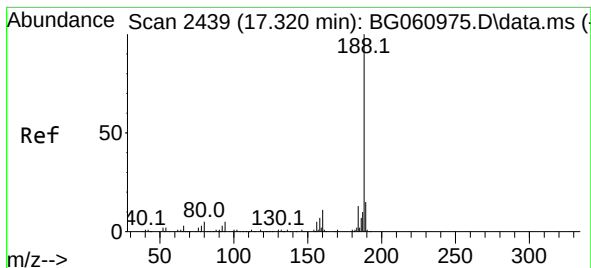
Ion Ratio Lower Upper

184 100

63 83.2 59.0 88.6

154 84.7 61.2 91.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 24

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

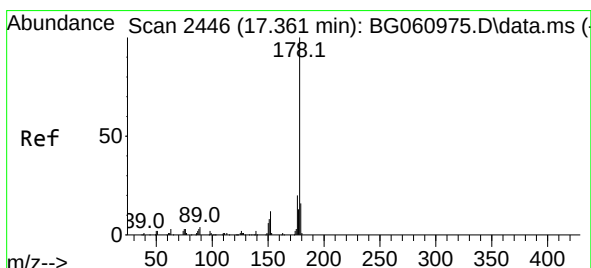
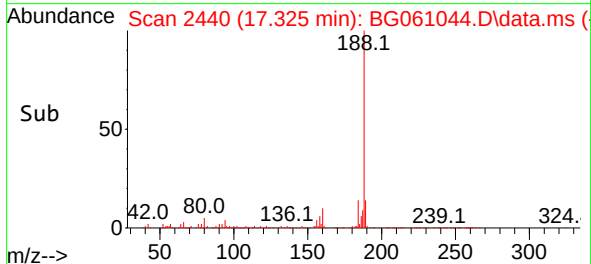
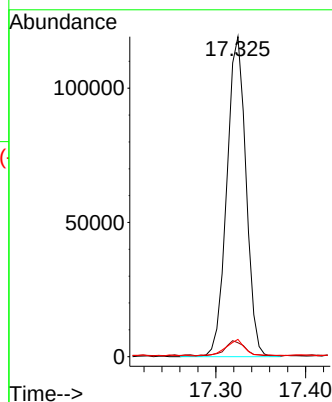
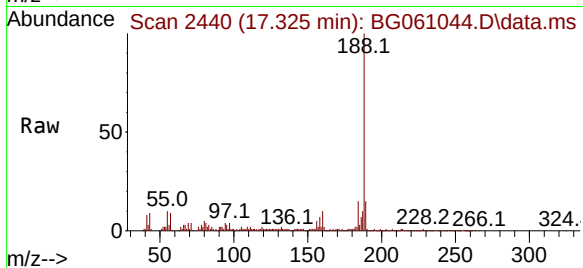
Tgt Ion:188 Resp: 176878

Ion Ratio Lower Upper

188 100

94 4.4 4.1 6.1

80 5.4 4.0 6.0



#71

Phenanthrene

Concen: 3.338 ng

RT: 17.366 min Scan# 2447

Delta R.T. 0.005 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

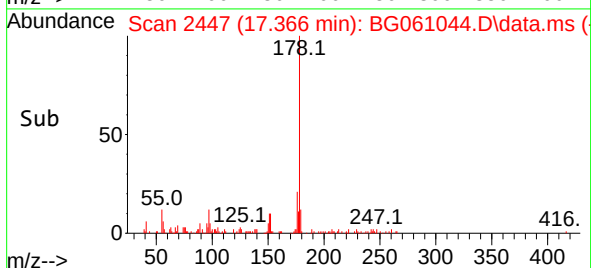
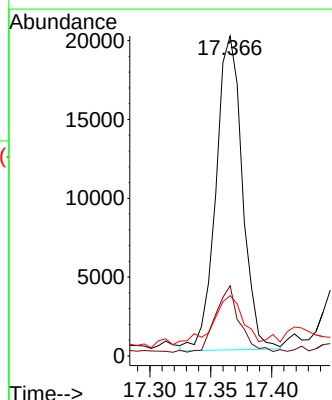
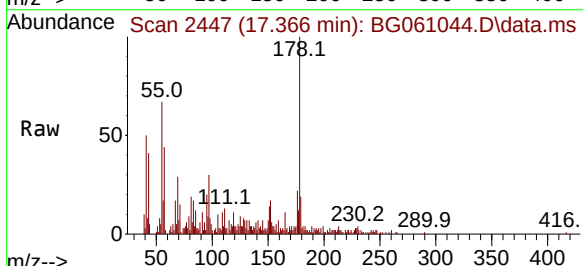
Tgt Ion:178 Resp: 30135

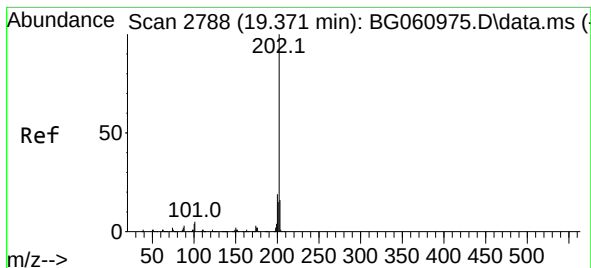
Ion Ratio Lower Upper

178 100

176 22.0 16.0 24.0

179 18.8 12.5 18.7#





#75

Fluoranthene

Concen: 10.294 ng

RT: 19.381 min Scan# 21

Delta R.T. 0.010 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

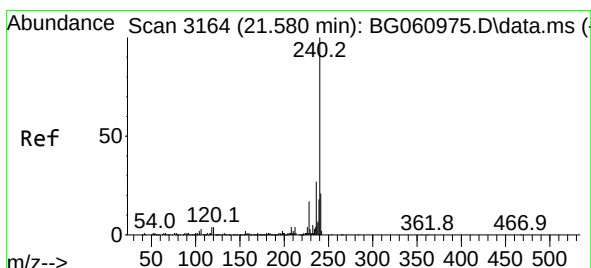
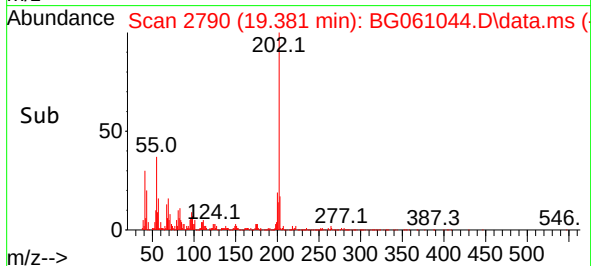
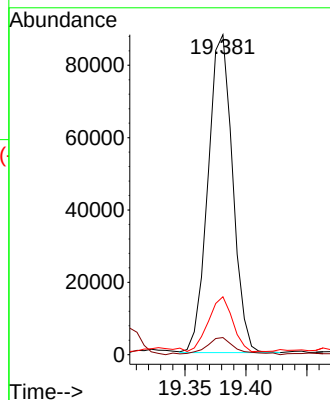
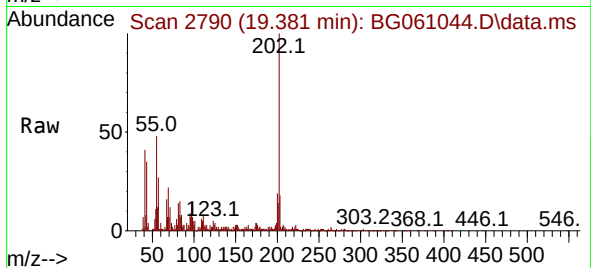
Tgt Ion:202 Resp: 123345

Ion Ratio Lower Upper

202 100

101 5.3 0.0 24.9

203 18.1 0.0 36.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.584 min Scan# 3165

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

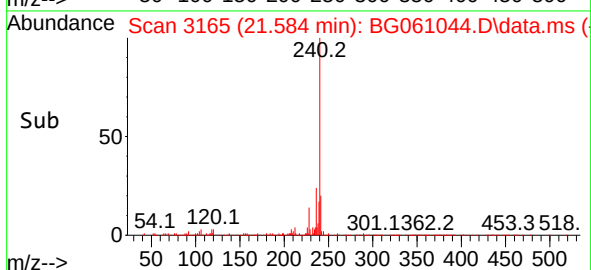
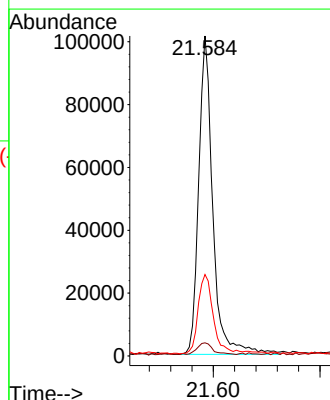
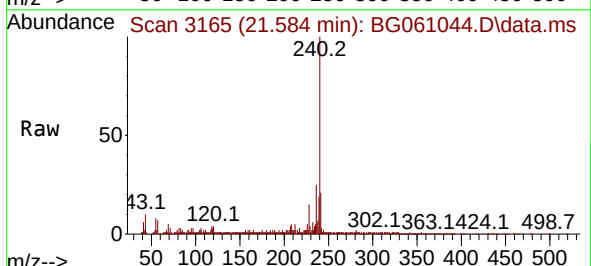
Tgt Ion:240 Resp: 185619

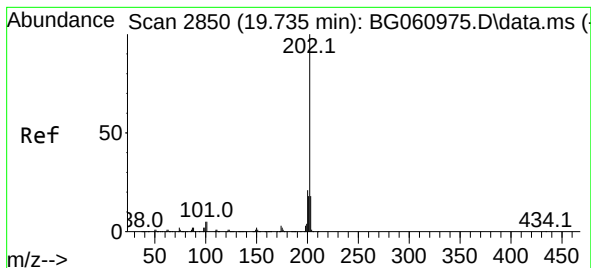
Ion Ratio Lower Upper

240 100

120 4.1 3.0 4.6

236 25.5 21.8 32.6





#78

Pyrene

Concen: 9.679 ng

RT: 19.739 min Scan# 2851

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

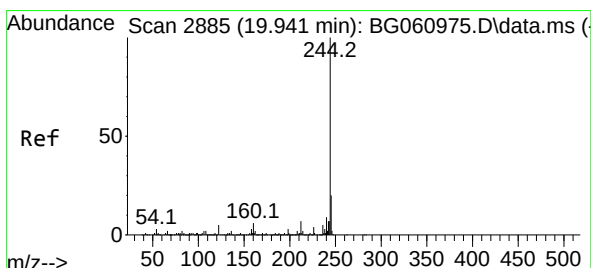
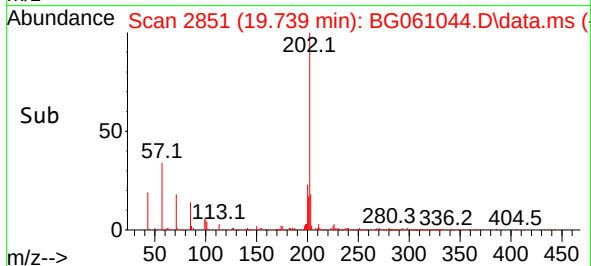
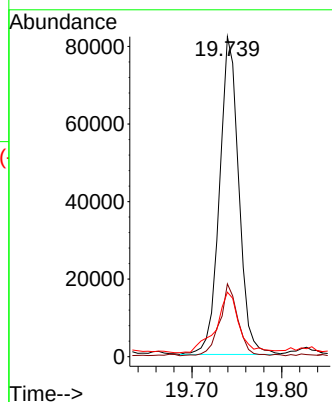
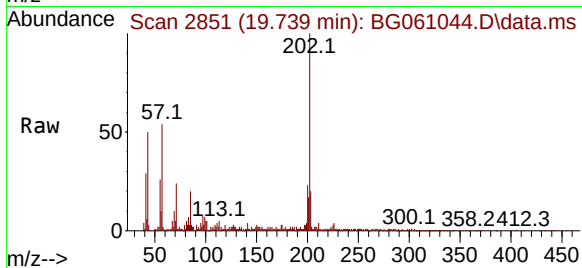
Tgt Ion:202 Resp: 122330

Ion Ratio Lower Upper

202 100

200 22.7 16.8 25.2

203 20.1 14.2 21.2



#79

Terphenyl-d14

Concen: 9.977 ng

RT: 19.945 min Scan# 2886

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

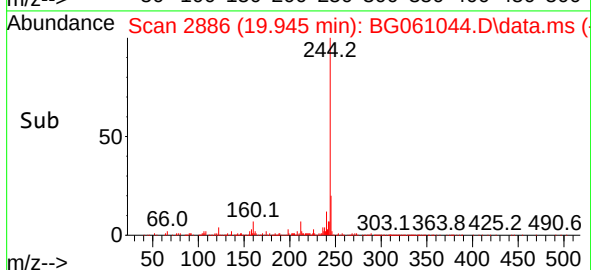
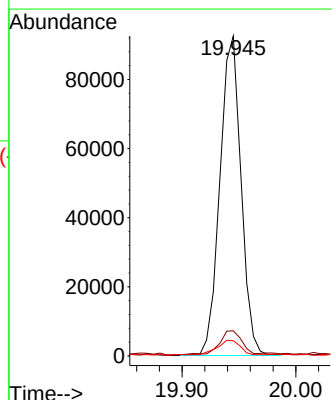
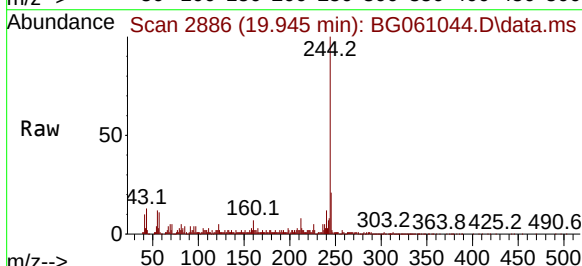
Tgt Ion:244 Resp: 119311

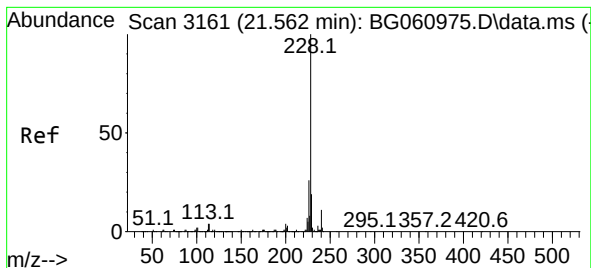
Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 4.7 4.2 6.2





#81

Benzo(a)anthracene

Concen: 5.087 ng

RT: 21.567 min Scan# 3162

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

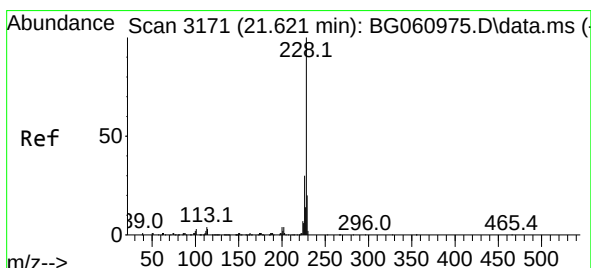
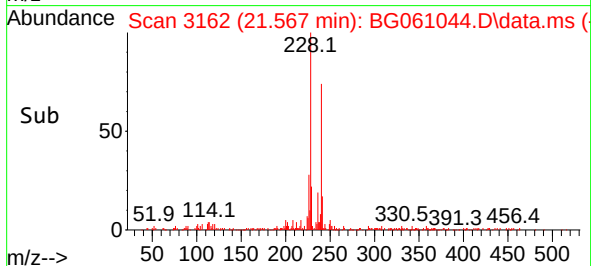
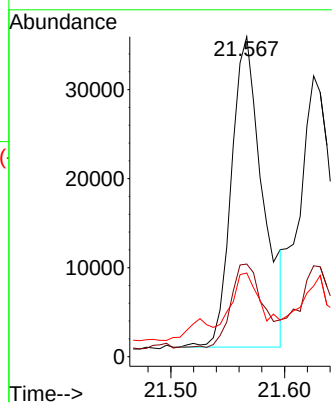
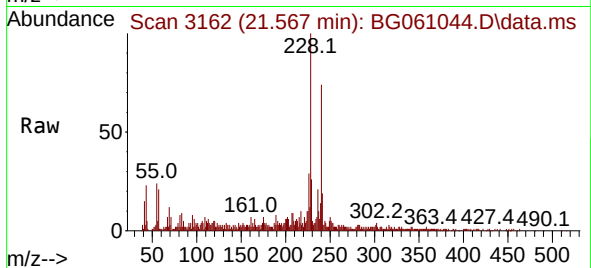
Tgt Ion:228 Resp: 66388

Ion Ratio Lower Upper

228 100

226 29.0 21.0 31.4

229 26.1 15.0 22.4#



#83

Chrysene

Concen: 4.919 ng

RT: 21.625 min Scan# 3172

Delta R.T. 0.004 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

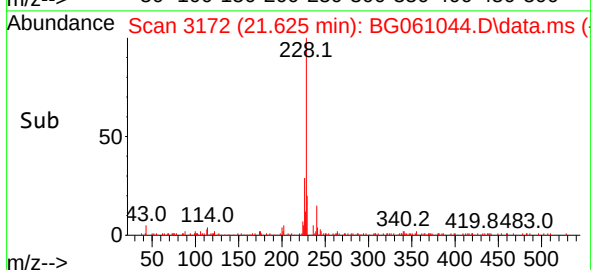
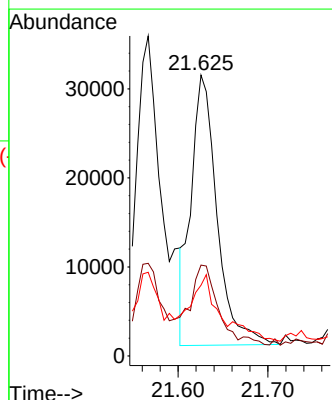
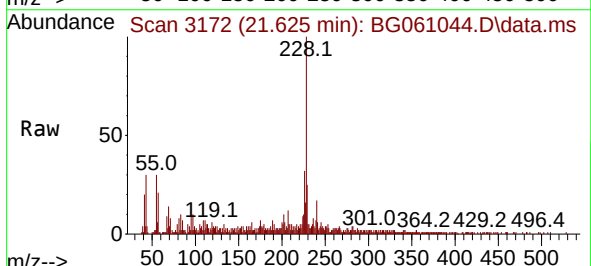
Tgt Ion:228 Resp: 61115

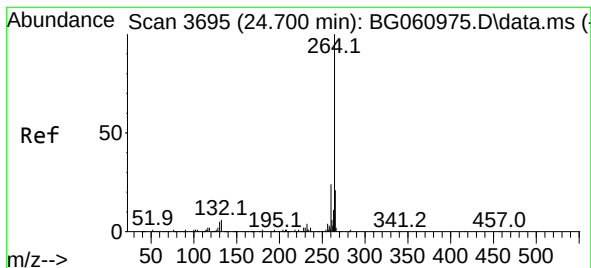
Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.2

229 25.2 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.716 min Scan# 3

Delta R.T. 0.016 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

Instrument :

BNA_G

ClientSampleId :

HR-03-04242024

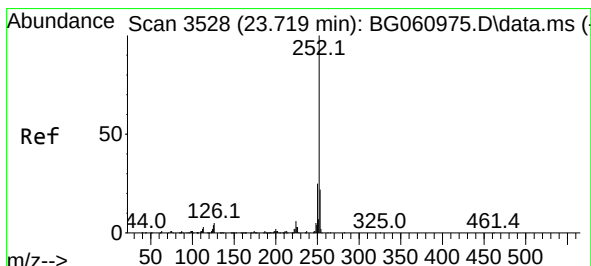
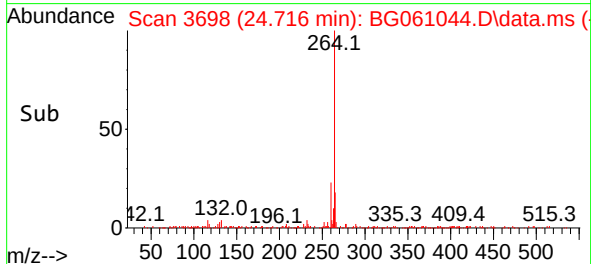
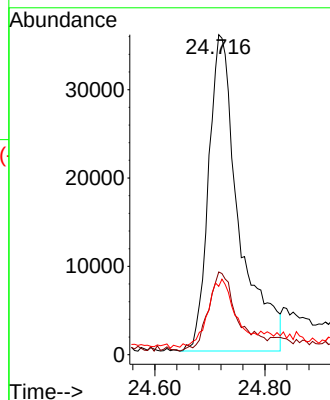
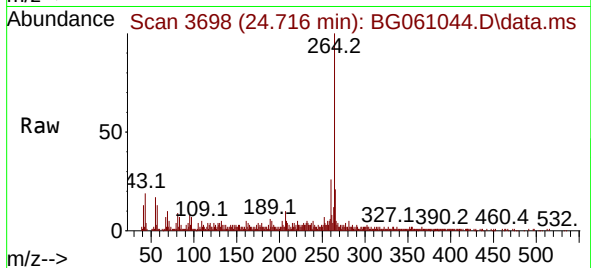
Tgt Ion:264 Resp: 137306

Ion Ratio Lower Upper

264 100

260 25.9 19.4 29.2

265 21.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 7.609 ng

RT: 23.735 min Scan# 3531

Delta R.T. 0.016 min

Lab File: BG061044.D

Acq: 25 Apr 2024 19:26

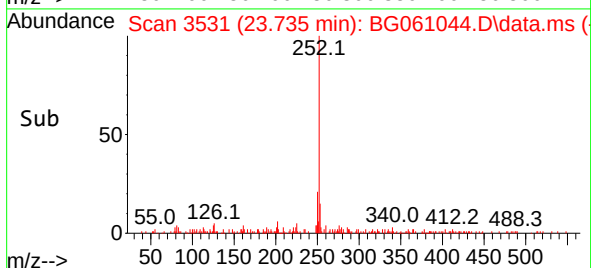
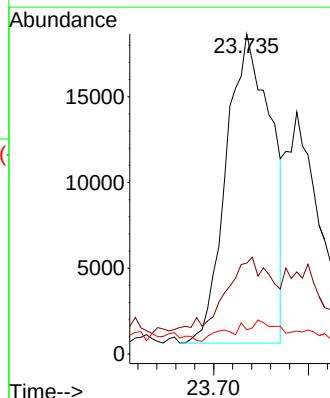
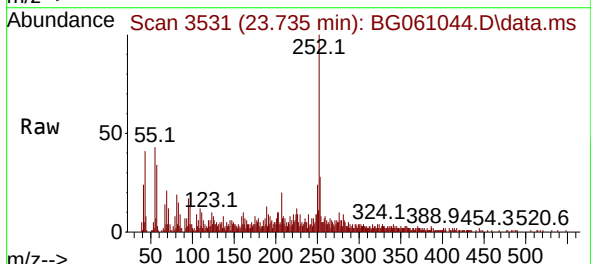
Tgt Ion:252 Resp: 59206

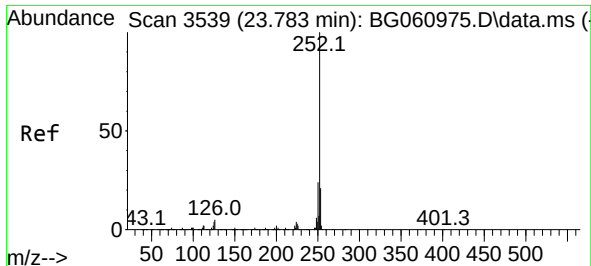
Ion Ratio Lower Upper

252 100

253 28.4 17.5 26.3#

125 7.5 3.3 4.9#

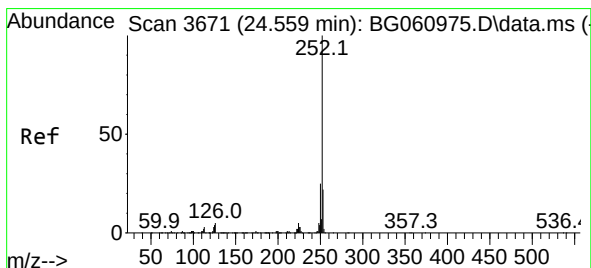
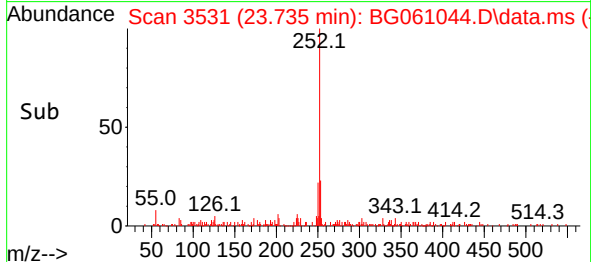
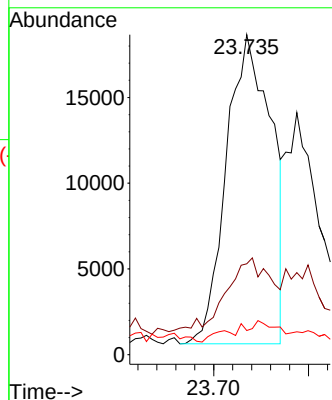
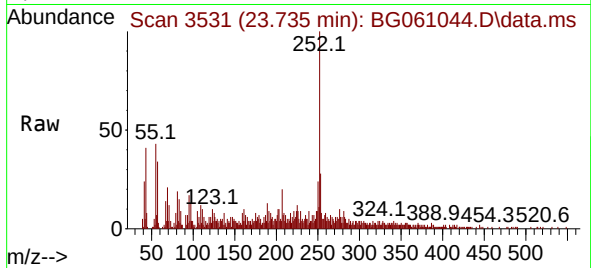




#89
Benzo(k)fluoranthene
Concen: 7.538 ng
RT: 23.735 min Scan# 31
Delta R.T. -0.048 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Instrument :
BNA_G
ClientSampleId :
HR-03-04242024

Tgt Ion:252 Resp: 59206
Ion Ratio Lower Upper
252 100
253 28.4 16.6 25.0#
125 7.5 3.3 4.9#



#90
Benzo(a)pyrene
Concen: 4.675 ng
RT: 24.569 min Scan# 3673
Delta R.T. 0.010 min
Lab File: BG061044.D
Acq: 25 Apr 2024 19:26

Tgt Ion:252 Resp: 35206
Ion Ratio Lower Upper
252 100
253 30.3 17.7 26.5#
125 10.0 3.6 5.4#

