

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061114.D
 Acq On : 3 May 2024 20:17
 Operator : MA/JU
 Sample : P2357-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-05022024

Quant Time: May 03 23:02:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

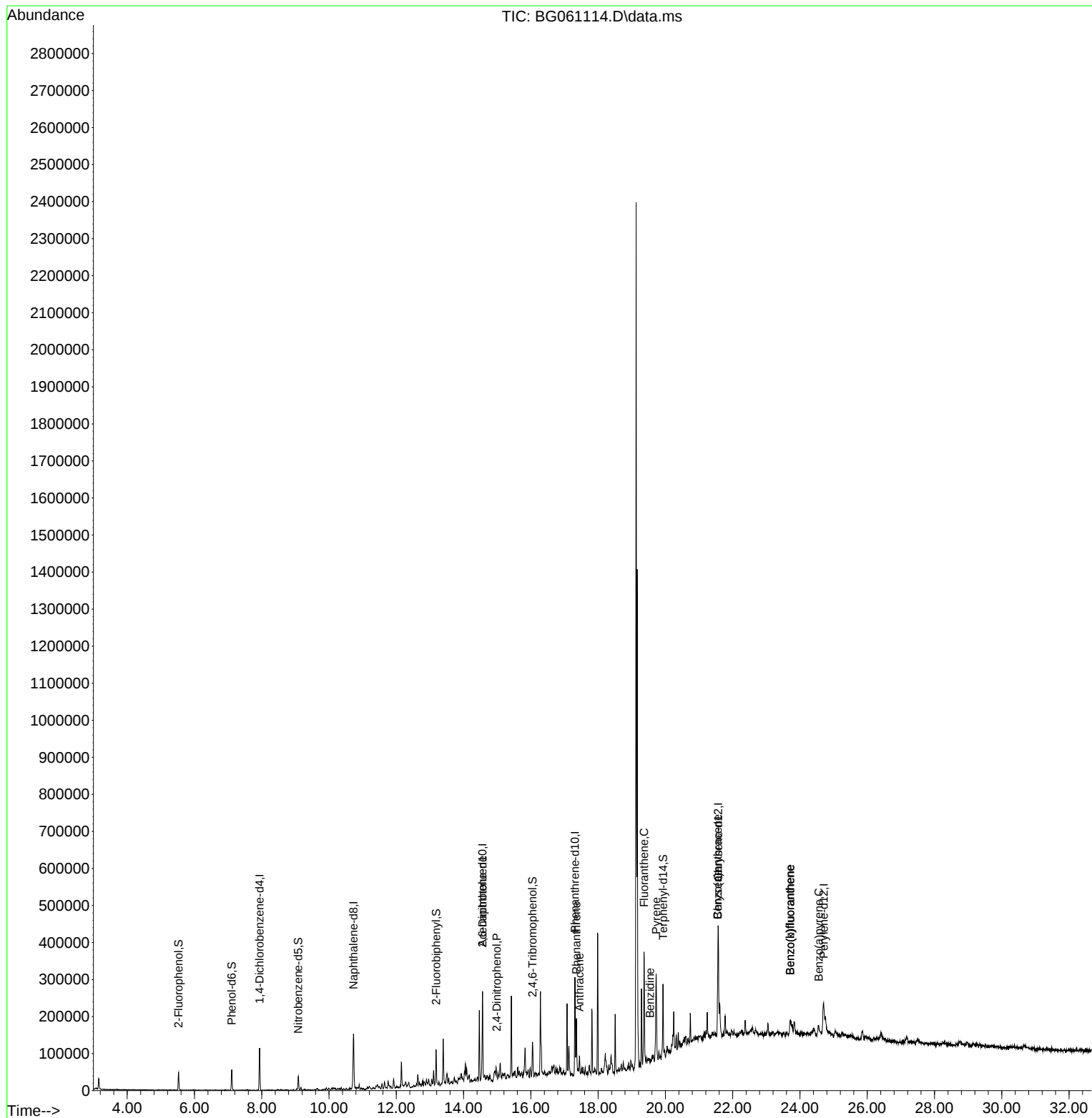
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	29304	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	112437	20.000	ng	-0.03
39) Acenaphthene-d10	14.565	164	80354	20.000	ng	-0.02
64) Phenanthrene-d10	17.309	188	166160	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	173285	20.000	ng	-0.02
86) Perylene-d12	24.706	264	141255	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	18419	12.783	ng	-0.02
7) Phenol-d6	7.109	99	24934	11.698	ng	-0.02
23) Nitrobenzene-d5	9.083	82	19037	8.393	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	17354	10.805	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	49448	9.100	ng	-0.02
79) Terphenyl-d14	19.929	244	87632	8.411	ng	-0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.565	165	12903	9.719	ng	# 18
54) 2,4-Dinitrophenol	14.988	184	57	2.266	ng	# 11
71) Phenanthrene	17.356	178	97262	12.802	ng	98
72) Anthracene	17.444	178	30618	4.039	ng	97
75) Fluoranthene	19.365	202	161816	15.547	ng	99
77) Benzidine	19.541	184	97	2.823	ng	# 5
78) Pyrene	19.729	202	136569	12.396	ng	98
81) Benzo(a)anthracene	21.556	228	75012	6.615	ng	97
83) Chrysene	21.556	228	75012	7.061	ng	94
88) Benzo(b)fluoranthene	23.713	252	55378	7.016	ng	# 94
89) Benzo(k)fluoranthene	23.713	252	55378	7.293	ng	# 92
90) Benzo(a)pyrene	24.559	252	39745	5.780	ng	# 92

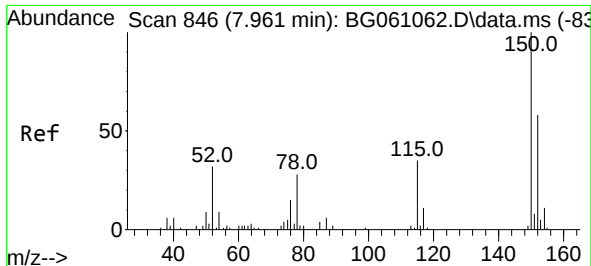
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
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Quant Time: May 03 23:02:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

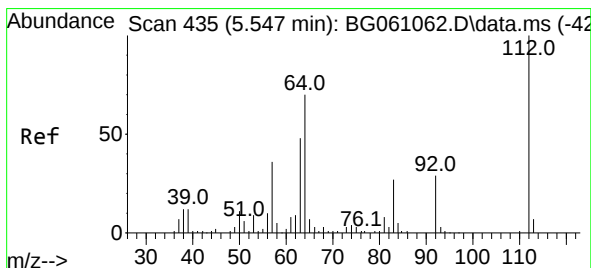
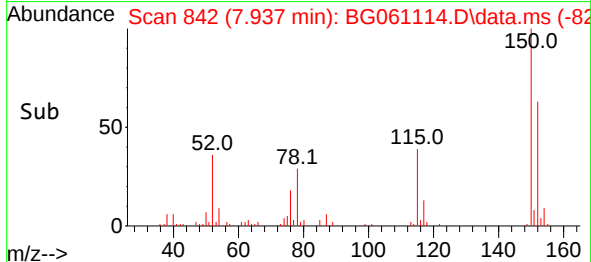
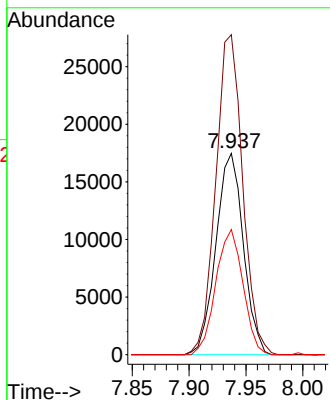
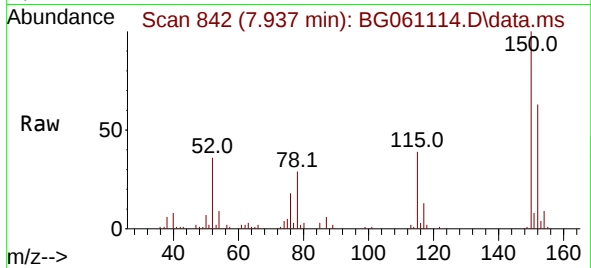




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

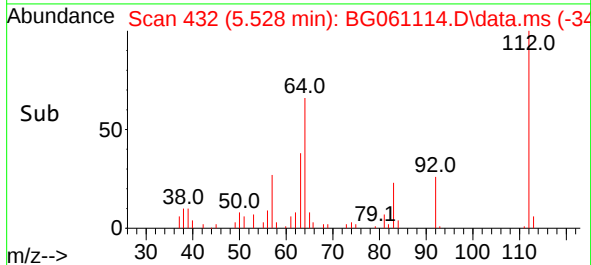
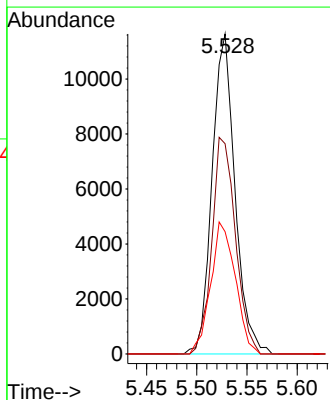
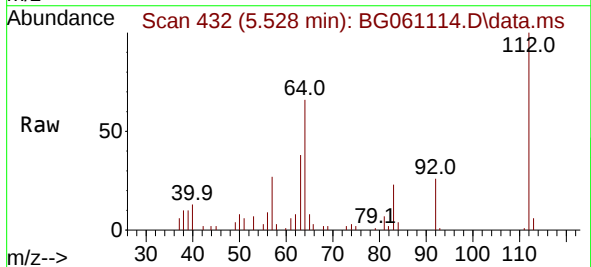
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

Tgt Ion:152 Resp: 29304
Ion Ratio Lower Upper
152 100
150 159.0 138.3 207.5
115 62.1 48.0 72.0



#5
2-Fluorophenol
Concen: 12.783 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:112 Resp: 18419
Ion Ratio Lower Upper
112 100
64 65.7 55.7 83.5
63 38.2 38.1 57.1

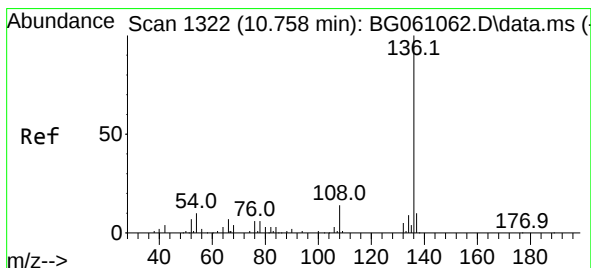
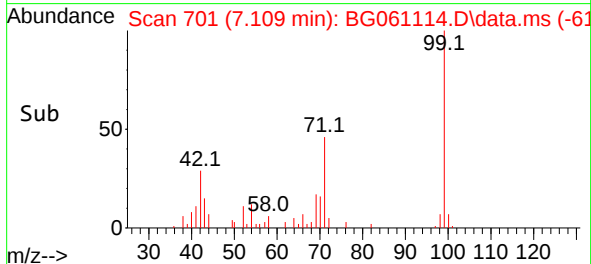
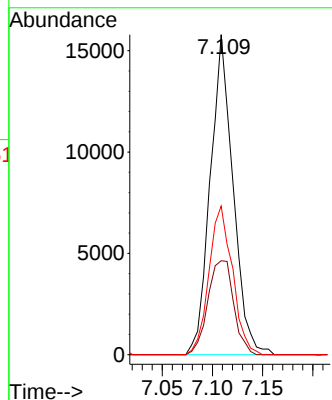
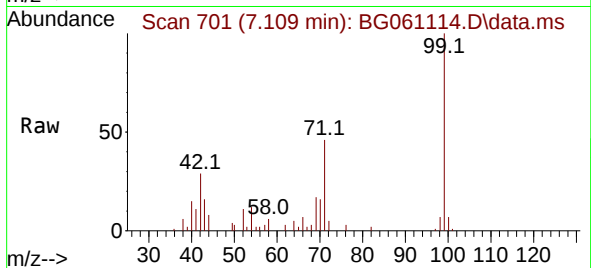




#7
Phenol-d6
Concen: 11.698 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

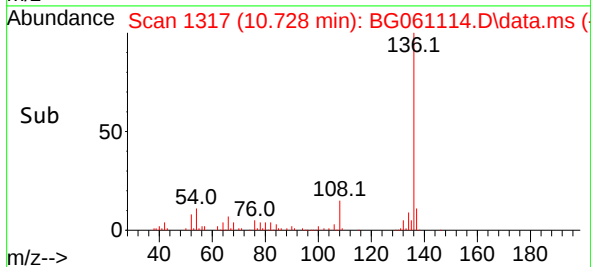
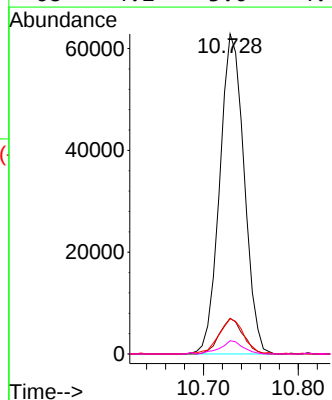
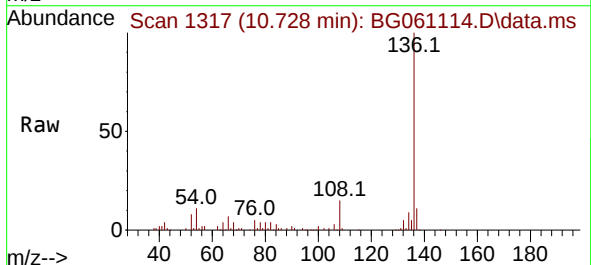
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

Tgt Ion: 99 Resp: 24934
Ion Ratio Lower Upper
99 100
42 29.3 29.2 43.8
71 46.4 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:136 Resp: 112437
Ion Ratio Lower Upper
136 100
137 11.2 7.8 11.6
54 11.0 8.1 12.1
68 4.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 8.393 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

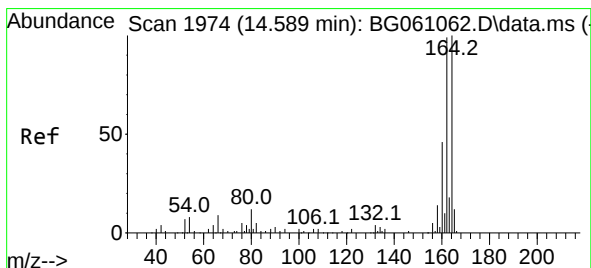
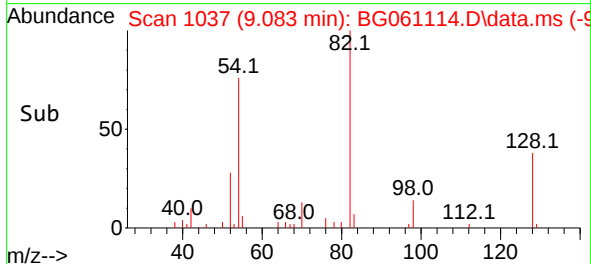
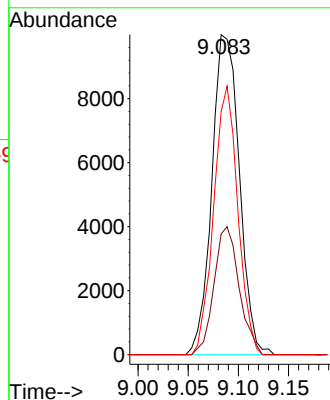
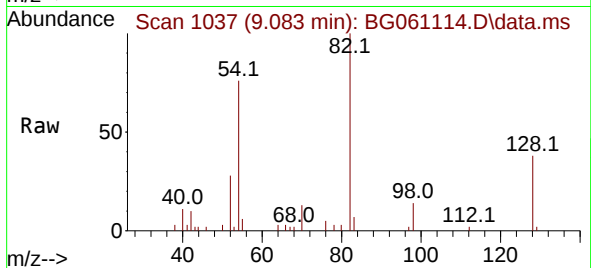
Tgt Ion: 82 Resp: 19037

Ion Ratio Lower Upper

82 100

128 37.7 32.7 49.1

54 75.9 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.565 min Scan# 1970

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

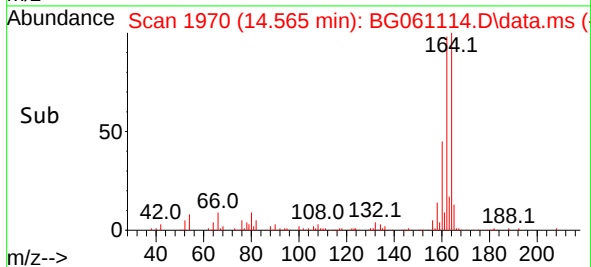
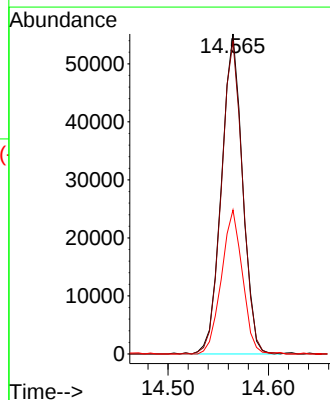
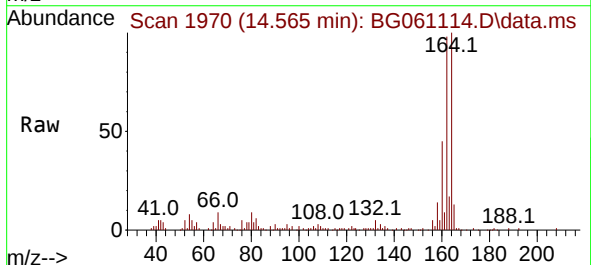
Tgt Ion:164 Resp: 80354

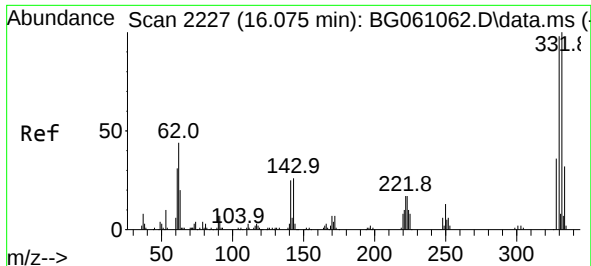
Ion Ratio Lower Upper

164 100

162 97.7 79.4 119.2

160 45.0 37.0 55.6

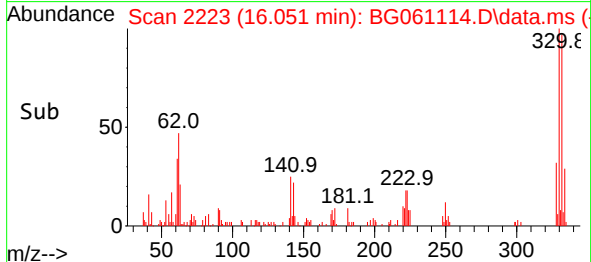
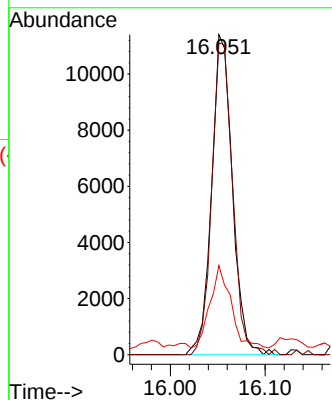
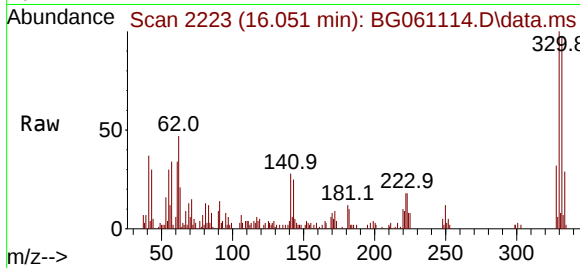




#42
2,4,6-Tribromophenol
Concen: 10.805 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

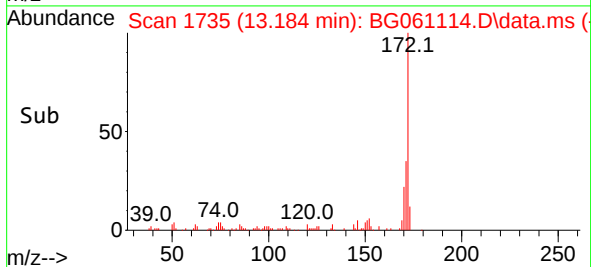
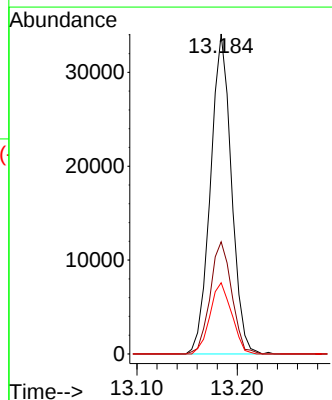
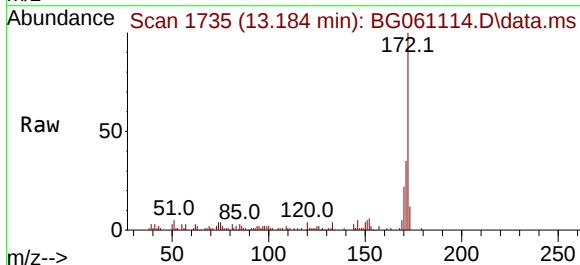
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

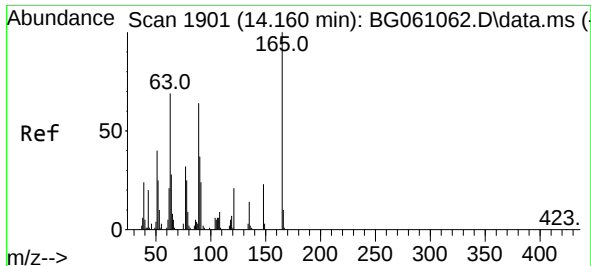
Tgt Ion:330 Resp: 17354
Ion Ratio Lower Upper
330 100
332 97.8 78.6 117.8
141 26.1 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 9.100 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:172 Resp: 49448
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.6
170 22.2 20.2 30.4

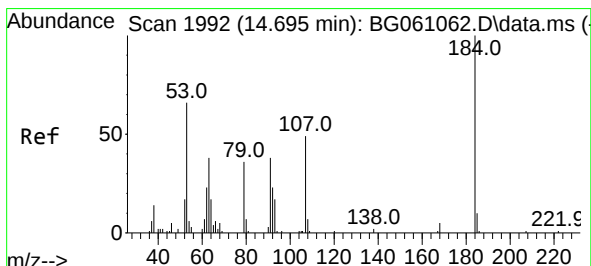
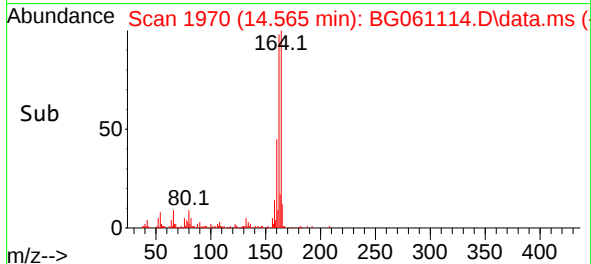
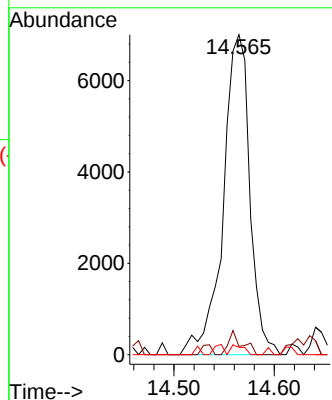
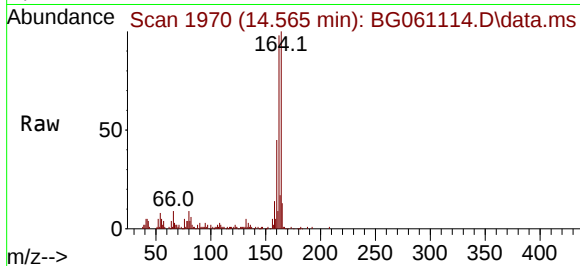




#51
2,6-Dinitrotoluene
Concen: 9.719 ng
RT: 14.565 min Scan# 11
Delta R.T. 0.405 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

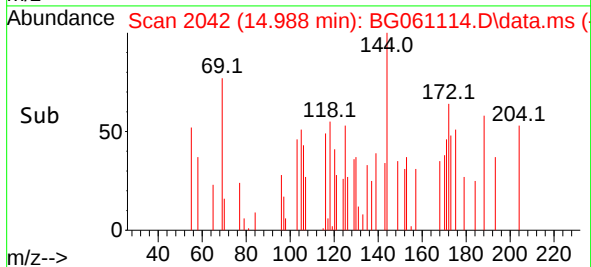
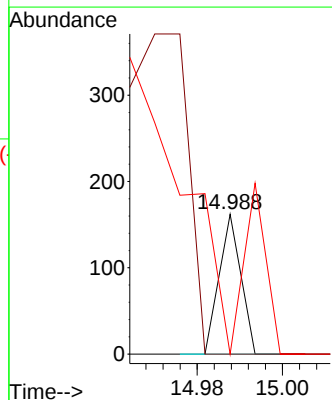
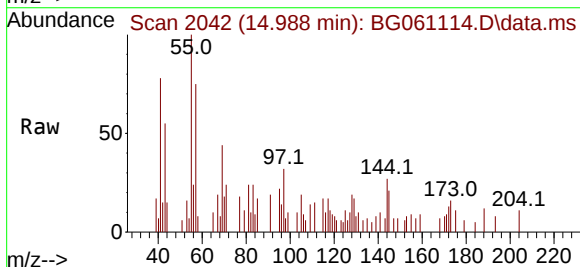
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

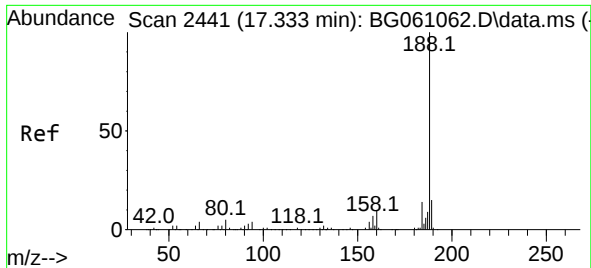
Tgt Ion:165 Resp: 12903
Ion Ratio Lower Upper
165 100
63 2.6 60.0 90.0#
89 2.3 50.9 76.3#



#54
2,4-Dinitrophenol
Concen: 2.266 ng
RT: 14.988 min Scan# 2042
Delta R.T. 0.293 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 62.6 93.8#
154 0.0 61.4 92.0#

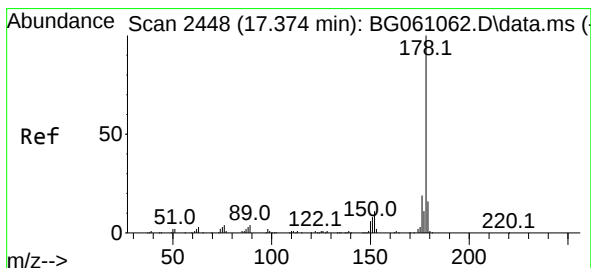
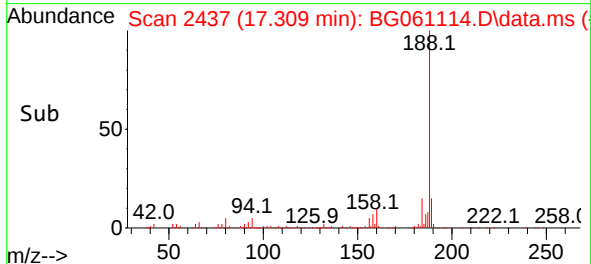
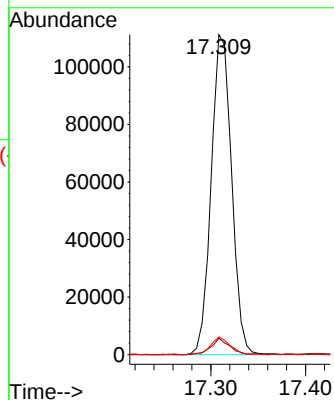
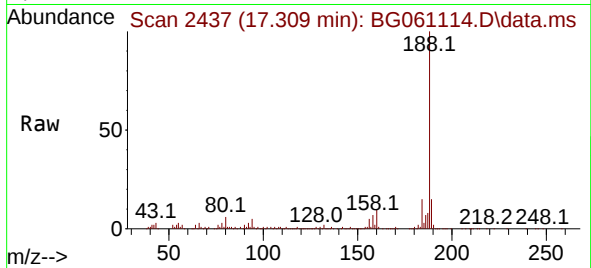




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2441
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

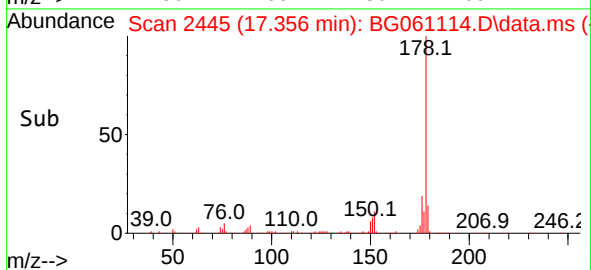
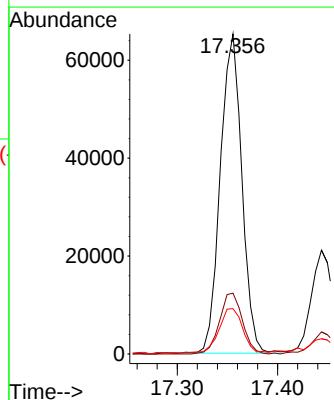
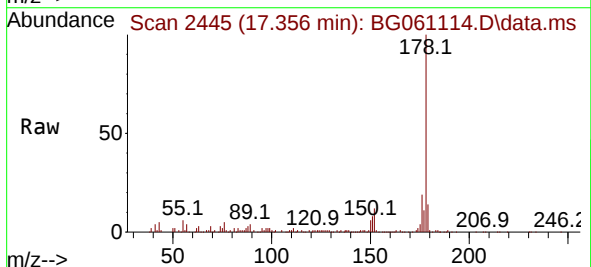
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

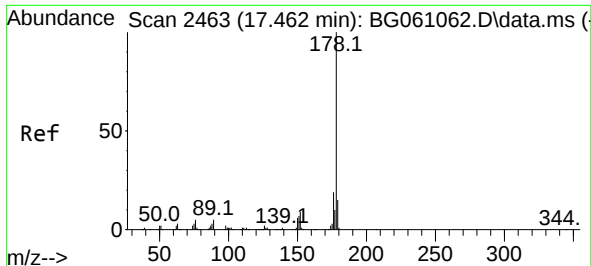
Tgt Ion:188 Resp: 166160
Ion Ratio Lower Upper
188 100
94 5.1 3.6 5.4
80 5.5 4.2 6.2



#71
Phenanthrene
Concen: 12.802 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:178 Resp: 97262
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.2 12.6 19.0

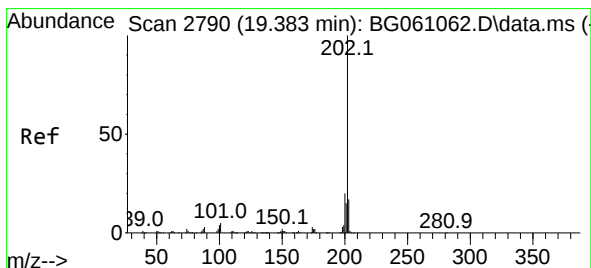
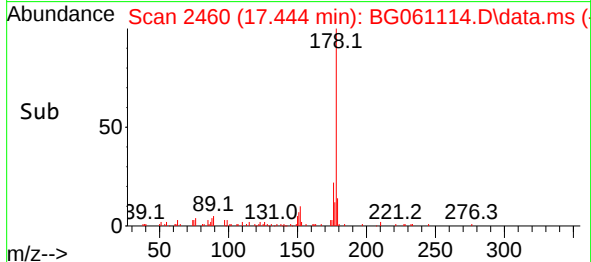
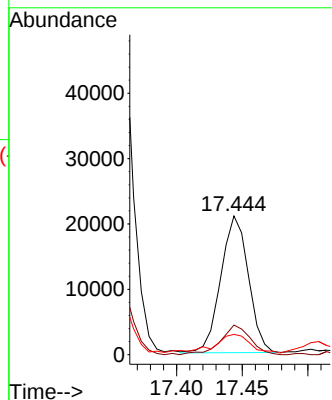
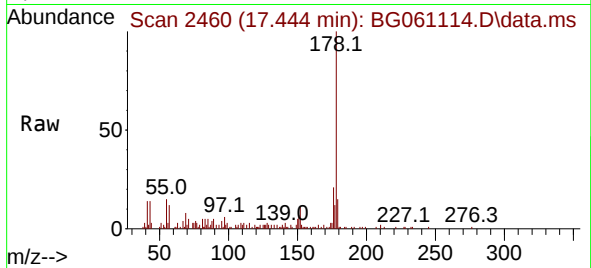




#72
 Anthracene
 Concen: 4.039 ng
 RT: 17.444 min Scan# 2460
 Delta R.T. -0.018 min
 Lab File: BG061114.D
 Acq: 3 May 2024 20:17

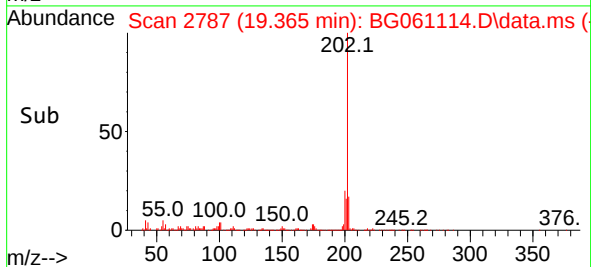
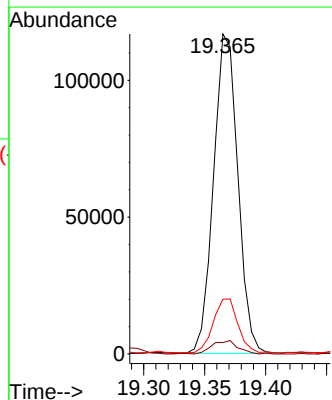
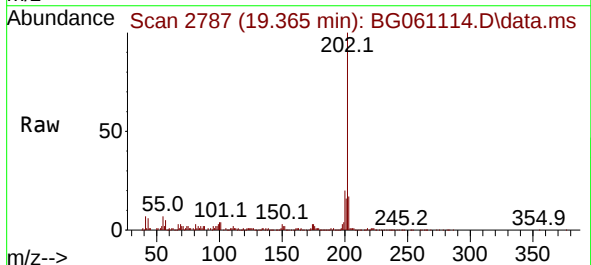
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-05022024

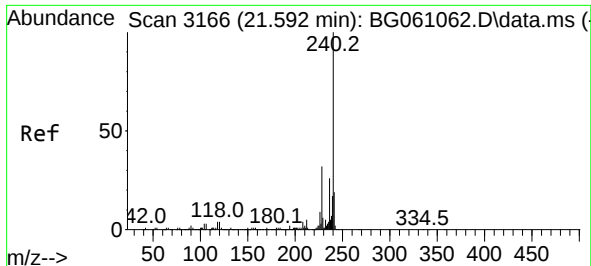
Tgt Ion:178 Resp: 30618
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.0 22.6
 179 14.7 12.0 18.0



#75
 Fluoranthene
 Concen: 15.547 ng
 RT: 19.365 min Scan# 2787
 Delta R.T. -0.018 min
 Lab File: BG061114.D
 Acq: 3 May 2024 20:17

Tgt Ion:202 Resp: 161816
 Ion Ratio Lower Upper
 202 100
 101 3.5 0.0 24.7
 203 17.1 0.0 37.1

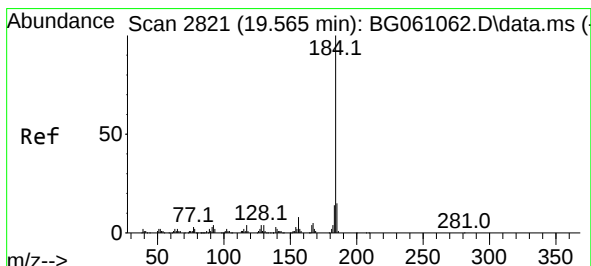
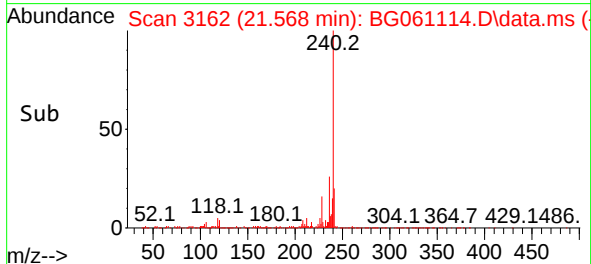
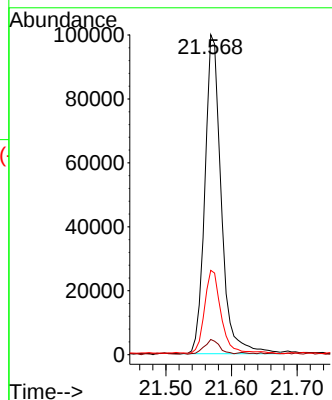
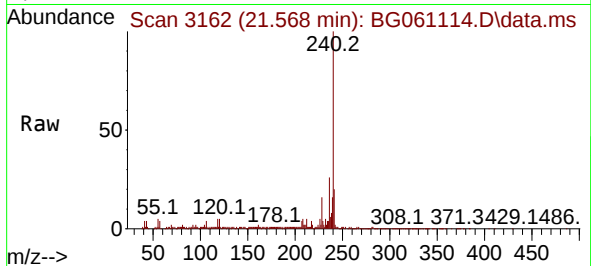




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 31
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

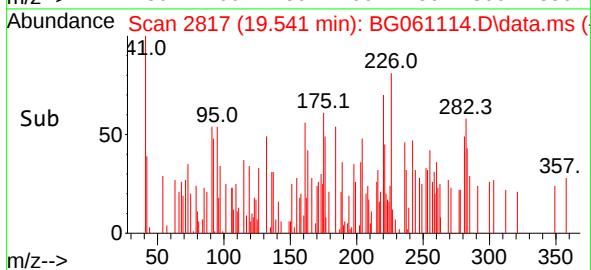
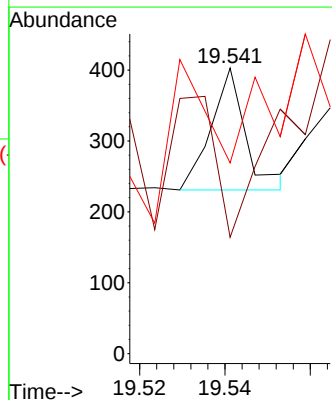
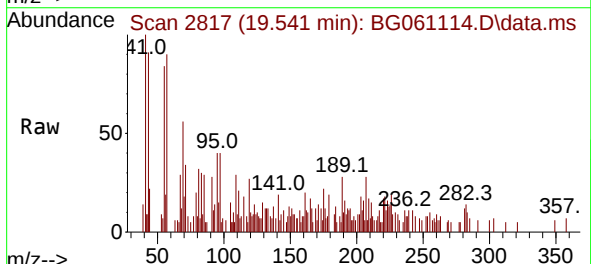
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

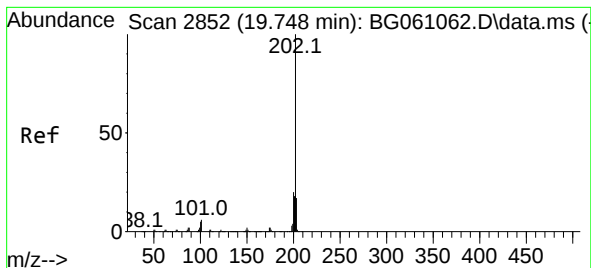
Tgt Ion:240 Resp: 173285
Ion Ratio Lower Upper
240 100
120 4.8 3.2 4.8
236 26.4 21.0 31.6



#77
Benzidine
Concen: 2.823 ng
RT: 19.541 min Scan# 2817
Delta R.T. -0.024 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:184 Resp: 97
Ion Ratio Lower Upper
184 100
185 40.7 12.0 18.0#
183 66.7 10.9 16.3#





#78

Pyrene

Concen: 12.396 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

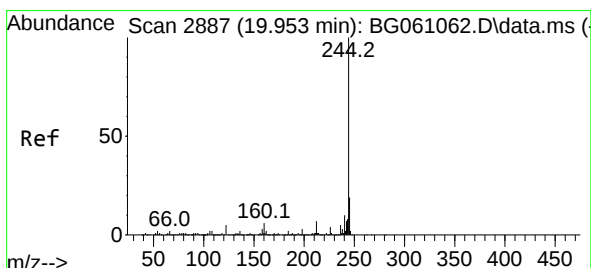
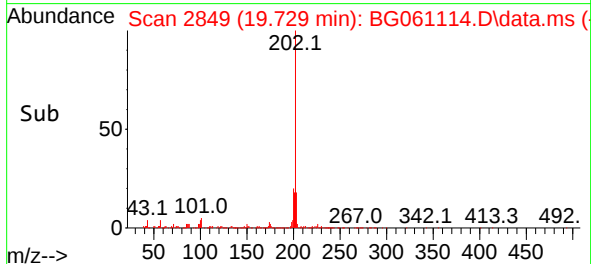
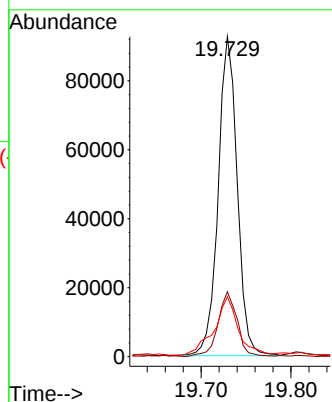
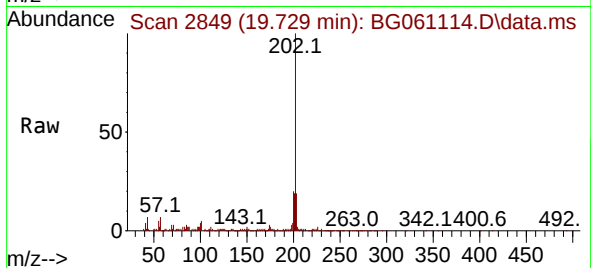
Tgt Ion:202 Resp: 136569

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

203 18.7 13.3 19.9



#79

Terphenyl-d14

Concen: 8.411 ng

RT: 19.929 min Scan# 2883

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

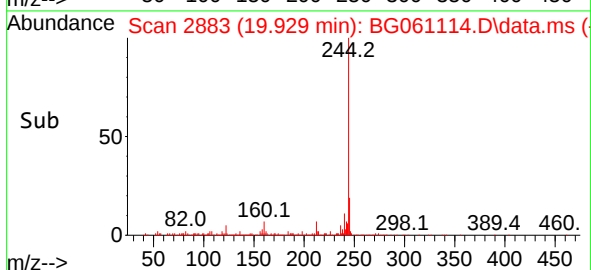
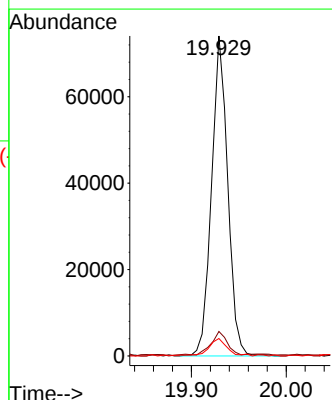
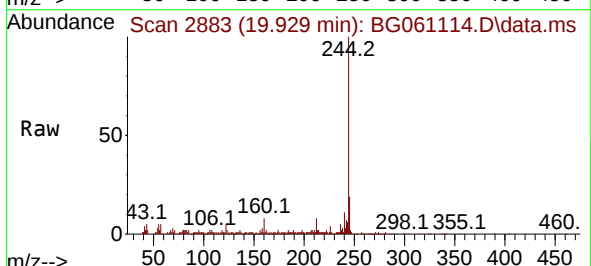
Tgt Ion:244 Resp: 87632

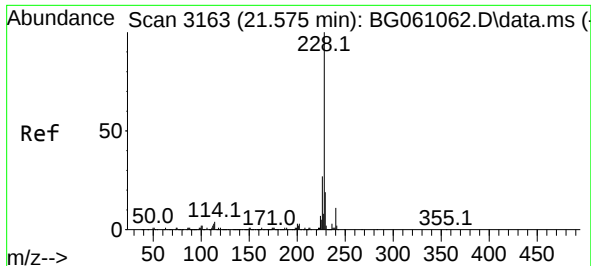
Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 5.4 4.2 6.2

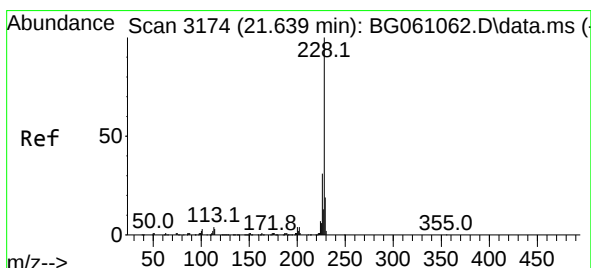
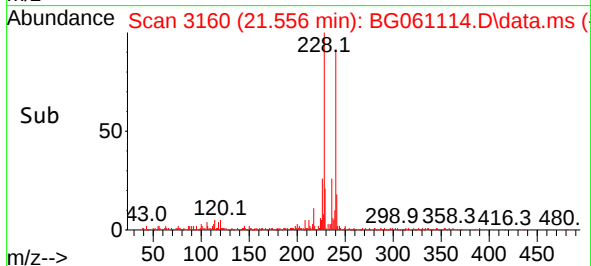
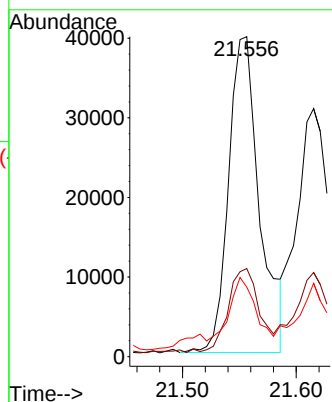
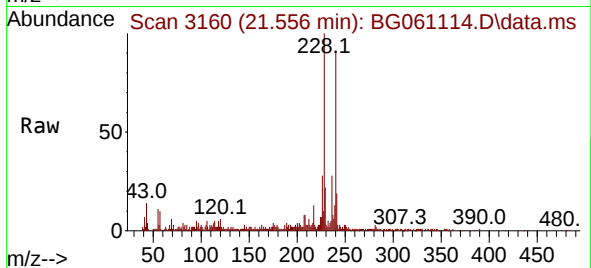




#81
Benzo(a)anthracene
Concen: 6.615 ng
RT: 21.556 min Scan# 3160
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

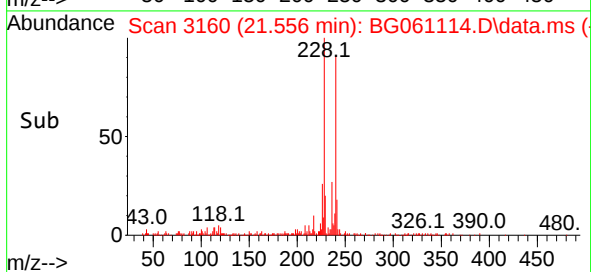
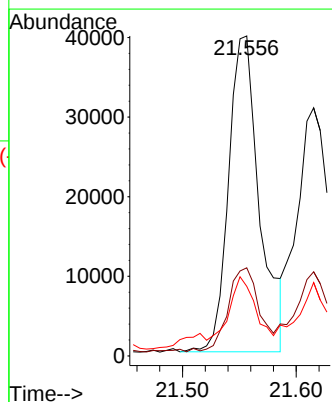
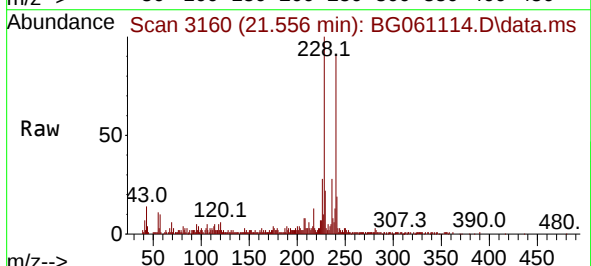
Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

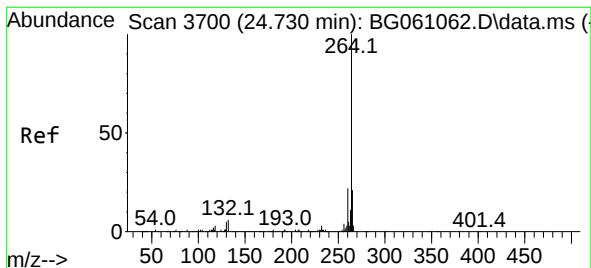
Tgt Ion:228 Resp: 75012
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 21.7 15.0 22.4



#83
Chrysene
Concen: 7.061 ng
RT: 21.556 min Scan# 3160
Delta R.T. -0.083 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:228 Resp: 75012
Ion Ratio Lower Upper
228 100
226 27.5 24.4 36.6
229 21.7 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.706 min Scan# 3

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

Instrument :

BNA_G

ClientSampleId :

HD-01-05022024

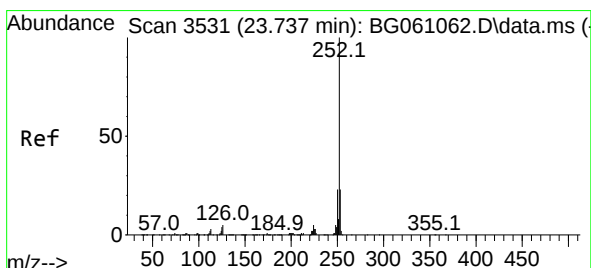
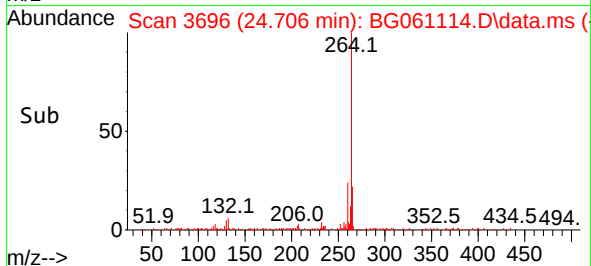
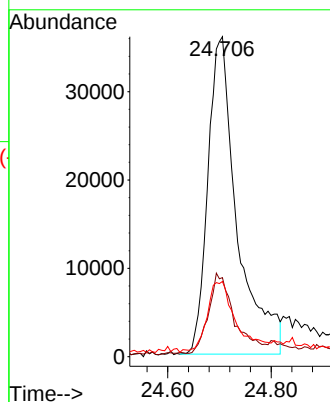
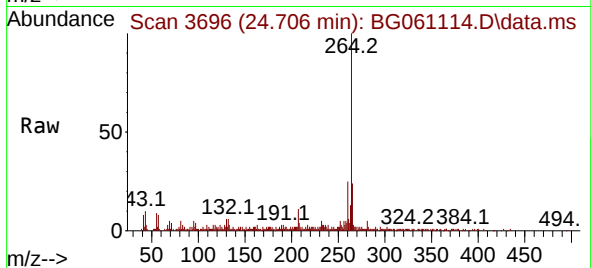
Tgt Ion:264 Resp: 141255

Ion Ratio Lower Upper

264 100

260 24.7 17.7 26.5

265 23.5 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 7.016 ng

RT: 23.713 min Scan# 3527

Delta R.T. -0.024 min

Lab File: BG061114.D

Acq: 3 May 2024 20:17

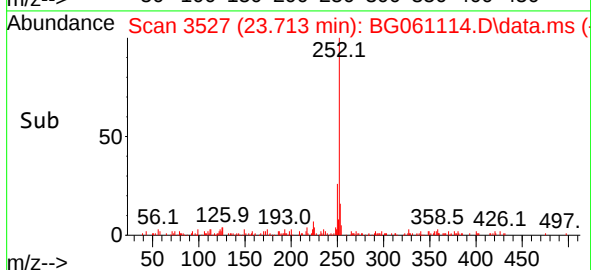
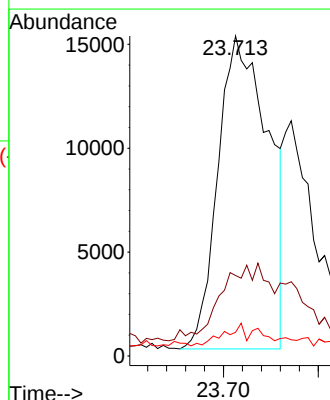
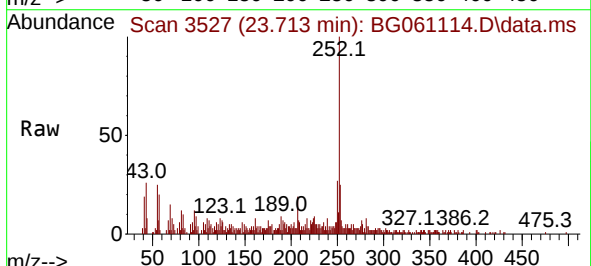
Tgt Ion:252 Resp: 55378

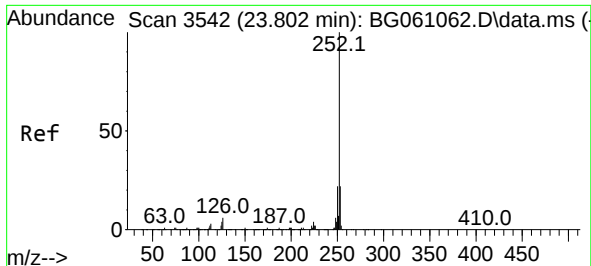
Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

125 7.4 3.4 5.0#

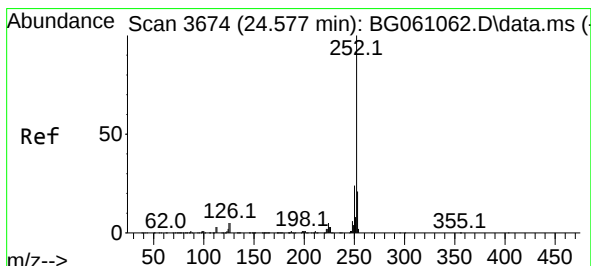
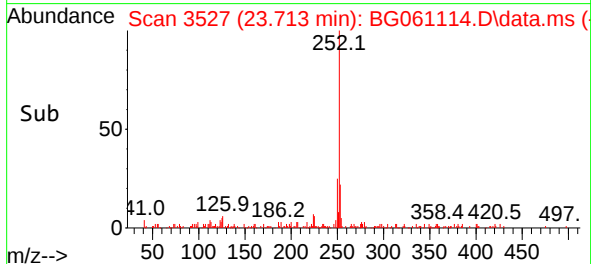
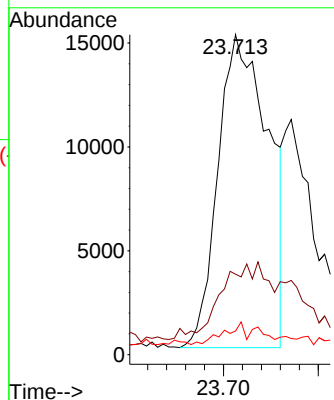
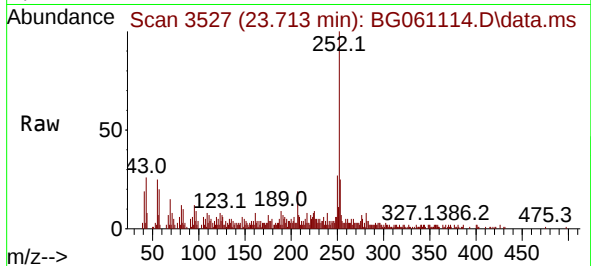




#89
Benzo(k)fluoranthene
Concen: 7.293 ng
RT: 23.713 min Scan# 3527
Delta R.T. -0.089 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Instrument :
BNA_G
ClientSampleId :
HD-01-05022024

Tgt Ion:252 Resp: 55378
Ion Ratio Lower Upper
252 100
253 25.2 17.3 25.9
125 7.4 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 5.780 ng
RT: 24.559 min Scan# 3671
Delta R.T. -0.018 min
Lab File: BG061114.D
Acq: 3 May 2024 20:17

Tgt Ion:252 Resp: 39745
Ion Ratio Lower Upper
252 100
253 24.4 16.9 25.3
125 8.6 3.8 5.8#

