

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061196.D
 Acq On : 14 May 2024 19:19
 Operator : MA/JU
 Sample : P2467-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-051324

Quant Time: May 15 01:19:08 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)

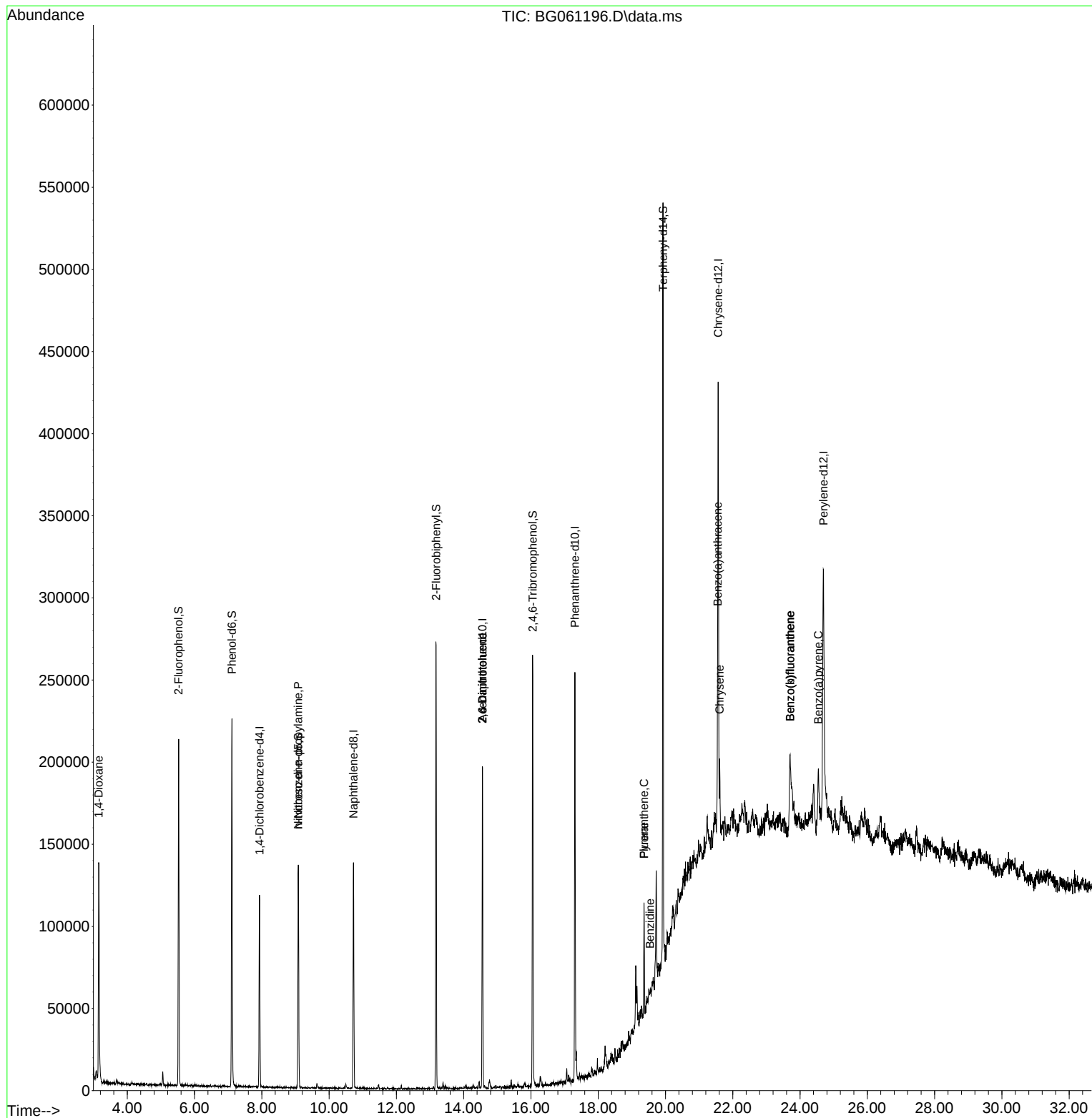
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	30368	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	102075	20.000	ng	#-0.03
39) Acenaphthene-d10	14.556	164	73919	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	157865	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	159868	20.000	ng	-0.03
86) Perylene-d12	24.697	264	193742	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	76503	51.234	ng	-0.02
7) Phenol-d6	7.112	99	100542	45.516	ng	-0.02
23) Nitrobenzene-d5	9.080	82	70528	34.252	ng	-0.04
42) 2,4,6-Tribromophenol	16.055	330	59981	40.596	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	141101	28.227	ng	-0.03
79) Terphenyl-d14	19.927	244	246724	25.667	ng	-0.03
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.152	88	1236	2.047	ng	# 1
19) n-Nitroso-di-n-propyla...	9.080	70	9984	6.040	ng	# 58
51) 2,6-Dinitrotoluene	14.562	165	9595	7.857	ng	# 16
57) 2,4-Dinitrotoluene	14.562	165	9595	5.311	ng	# 18
75) Fluoranthene	19.363	202	42997	4.348	ng	97
77) Benzidine	19.545	184	286	2.884	ng	# 65
78) Pyrene	19.363	202	42997	4.230	ng	96
81) Benzo(a)anthracene	21.548	228	38385	3.669	ng	# 95
83) Chrysene	21.607	228	35793	3.652	ng	# 95
88) Benzo(b)fluoranthene	23.710	252	54952	5.076	ng	# 90
89) Benzo(k)fluoranthene	23.710	252	54952	5.276	ng	# 88
90) Benzo(a)pyrene	24.545	252	38042	4.033	ng	# 90

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

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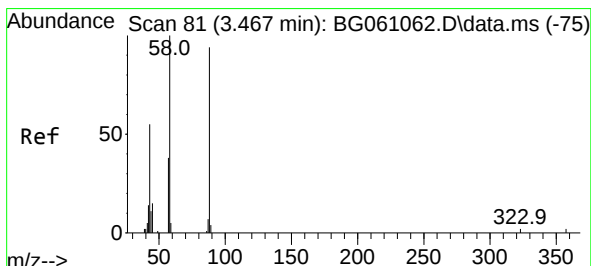
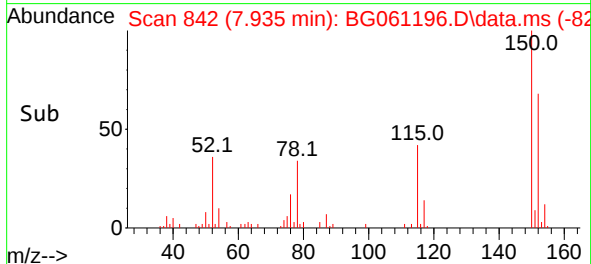
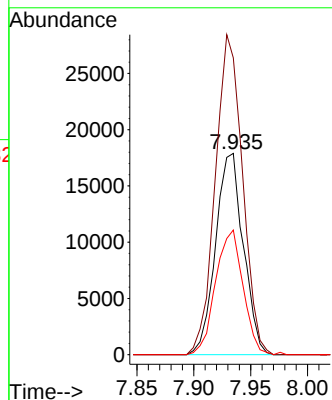
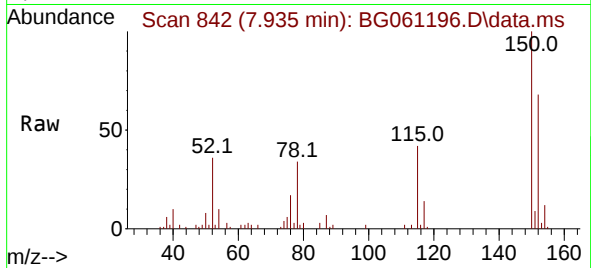




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 84
Delta R.T. -0.026 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

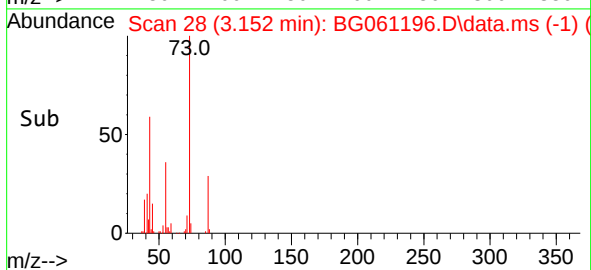
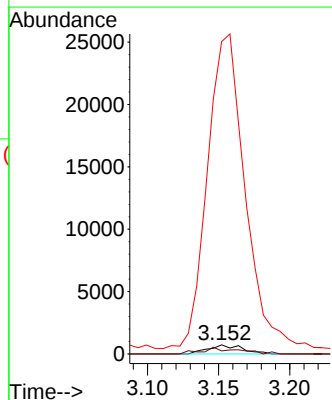
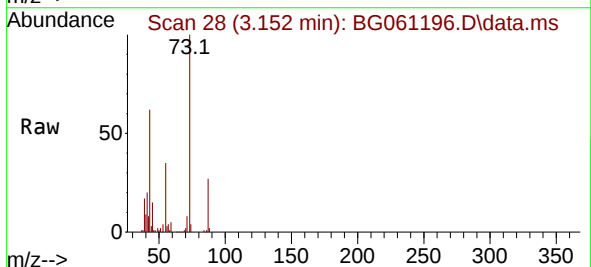
Instrument :
BNA_G
ClientSampleId :
HD-02-051324

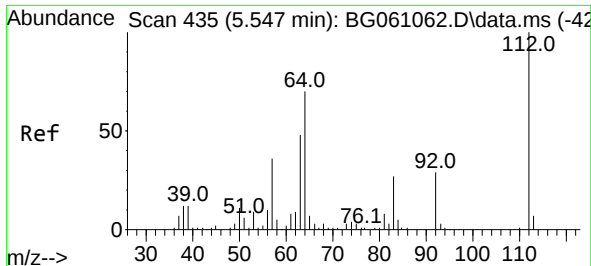
Tgt Ion:152 Resp: 30368
Ion Ratio Lower Upper
152 100
150 147.5 138.3 207.5
115 62.0 48.0 72.0



#2
1,4-Dioxane
Concen: 2.047 ng
RT: 3.152 min Scan# 28
Delta R.T. -0.314 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion: 88 Resp: 1236
Ion Ratio Lower Upper
88 100
58 76.2 81.2 121.8#
43 3838.4 45.0 67.4#

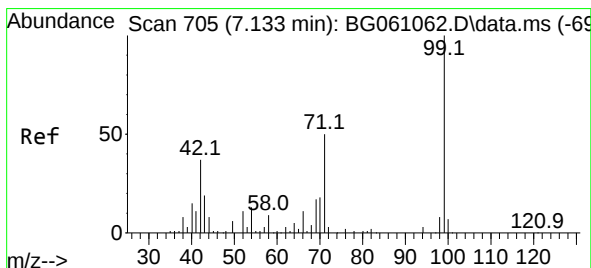
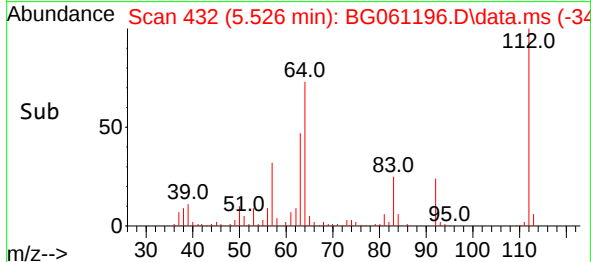
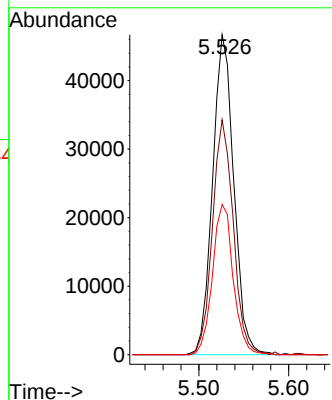
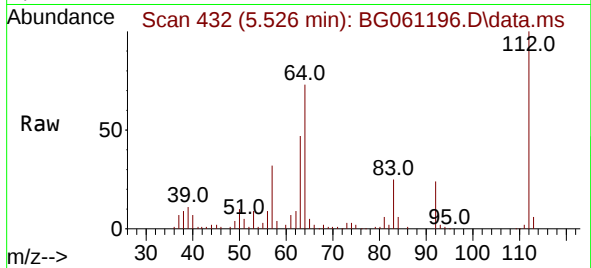




#5
2-Fluorophenol
Concen: 51.234 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

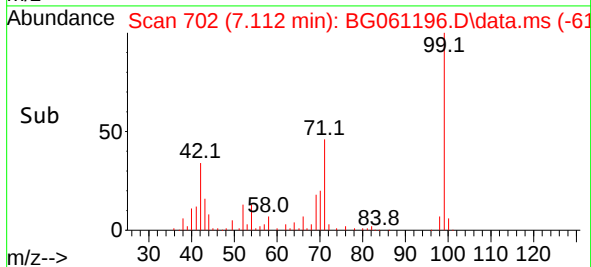
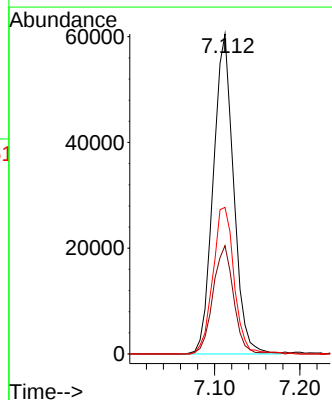
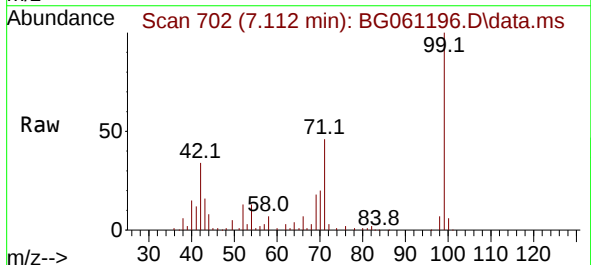
Instrument :
BNA_G
ClientSampleId :
HD-02-051324

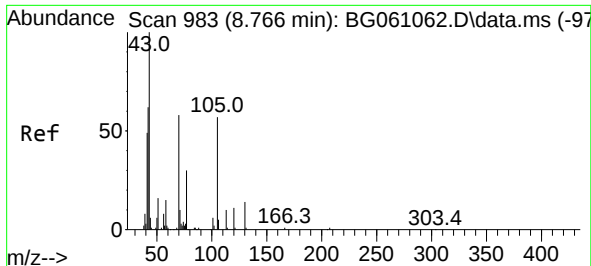
Tgt Ion:112 Resp: 76503
Ion Ratio Lower Upper
112 100
64 73.4 55.7 83.5
63 47.0 38.1 57.1



#7
Phenol-d6
Concen: 45.516 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion: 99 Resp: 100542
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 45.8 39.7 59.5

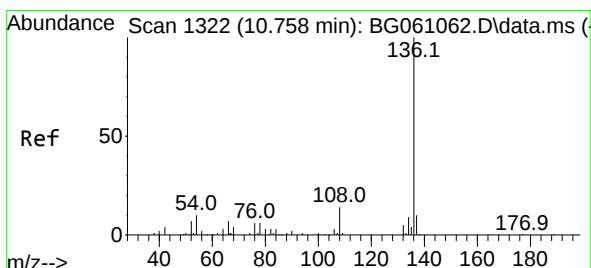
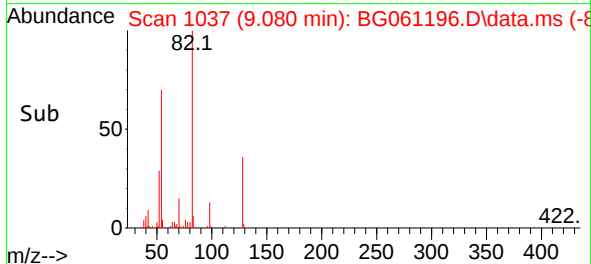
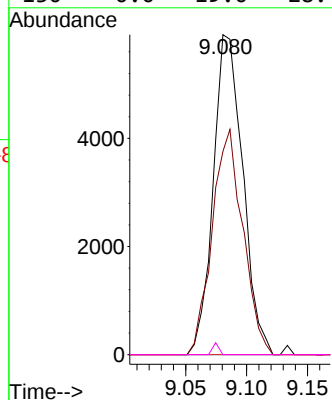
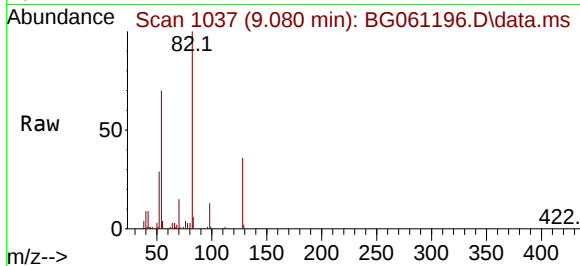




#19
n-Nitroso-di-n-propylamine
Concen: 6.040 ng
RT: 9.080 min Scan# 10
Delta R.T. 0.314 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

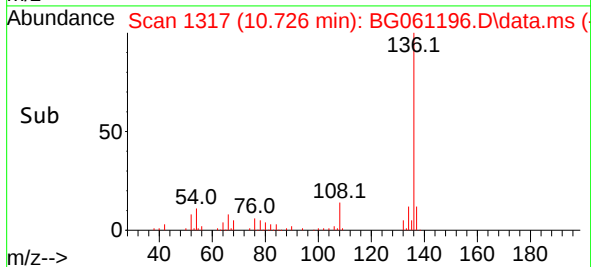
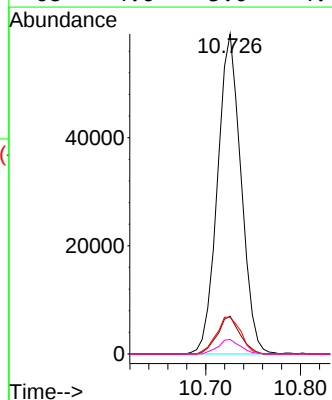
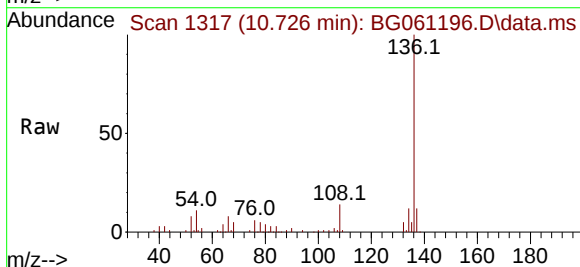
Instrument :
BNA_G
ClientSampleId :
HD-02-051324

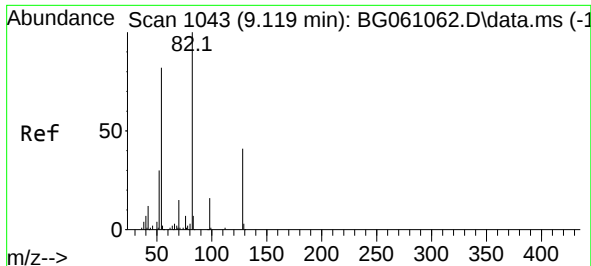
Tgt Ion:	70	Resp:	9984
Ion	Ratio	Lower	Upper
70	100		
42	63.5	86.4	129.6#
101	0.0	7.8	11.8#
130	0.0	19.0	28.4#

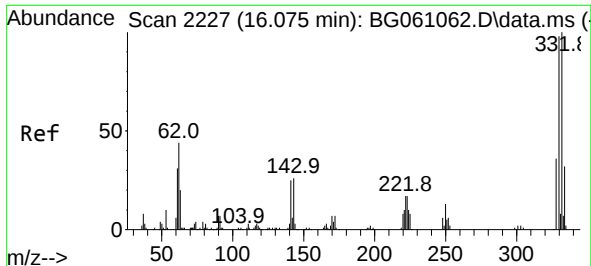


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:	136	Resp:	102075
Ion	Ratio	Lower	Upper
136	100		
137	11.8	7.8	11.6#
54	12.2	8.1	12.1#
68	4.6	3.0	4.4#







#42

2,4,6-Tribromophenol

Concen: 40.596 ng

RT: 16.055 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

HD-02-051324

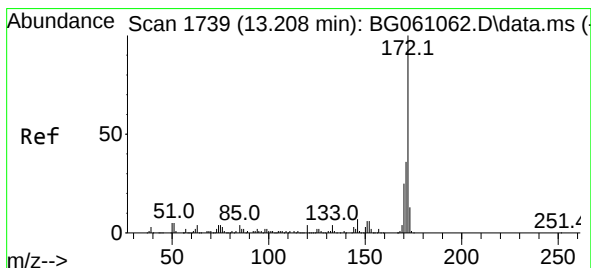
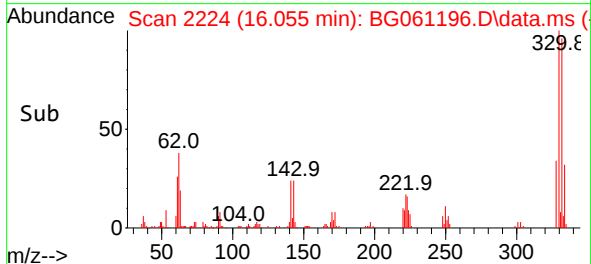
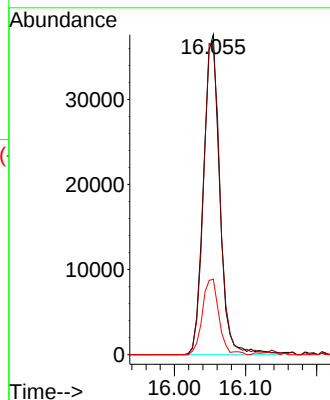
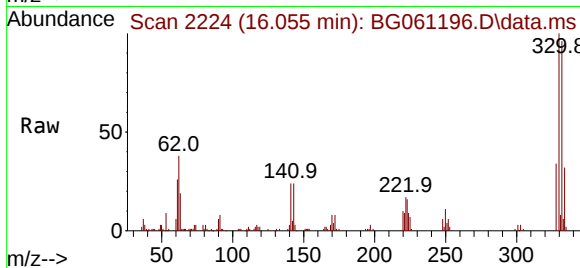
Tgt Ion:330 Resp: 59981

Ion Ratio Lower Upper

330 100

332 99.3 78.6 117.8

141 24.0 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 28.227 ng

RT: 13.182 min Scan# 1735

Delta R.T. -0.027 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

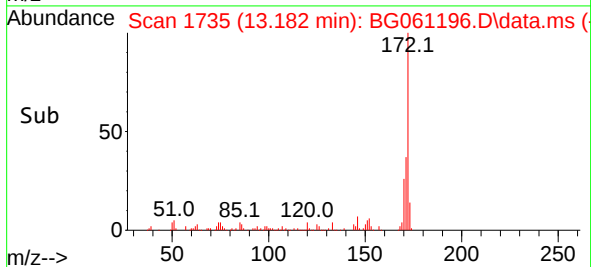
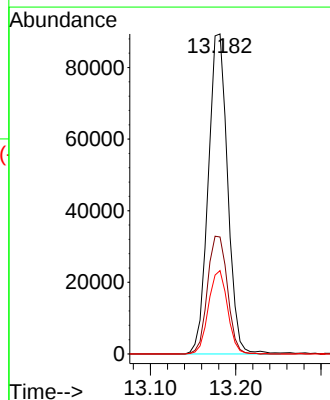
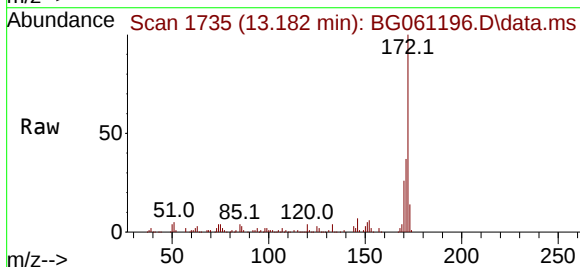
Tgt Ion:172 Resp: 141101

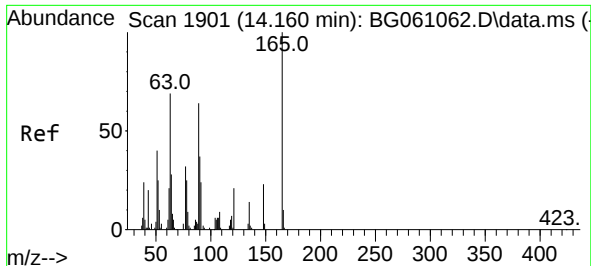
Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.6

170 26.1 20.2 30.4

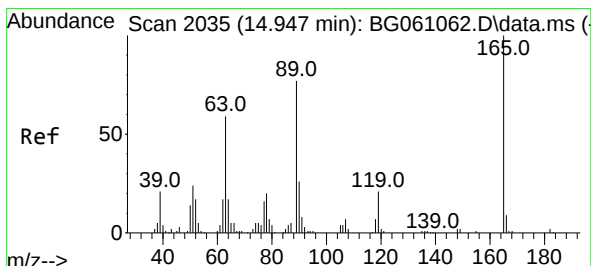
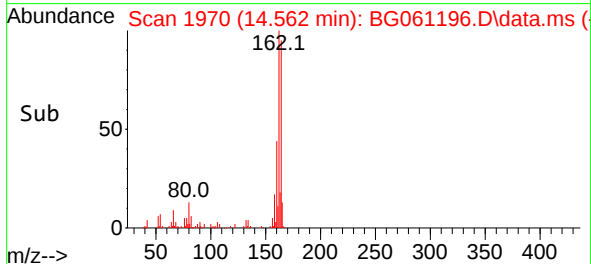
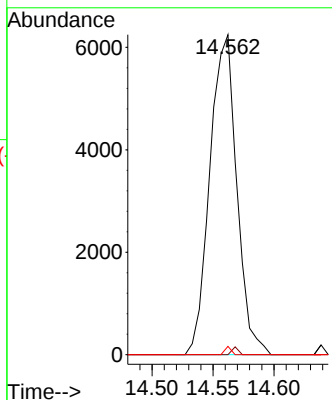
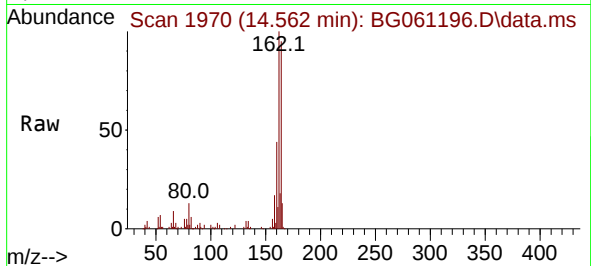




#51
2,6-Dinitrotoluene
Concen: 7.857 ng
RT: 14.562 min Scan# 1901
Delta R.T. 0.402 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

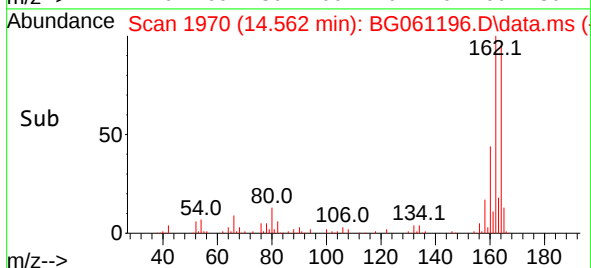
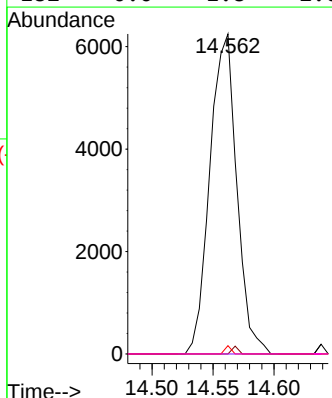
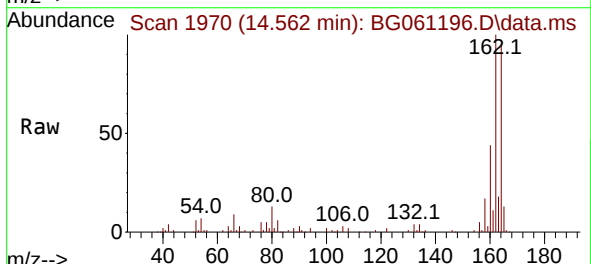
Instrument :
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ClientSampleId :
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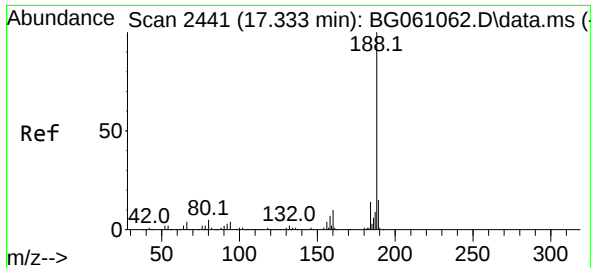
Tgt Ion:165 Resp: 9595
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.6 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.311 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:165 Resp: 9595
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.6 61.8 92.8#
182 0.0 1.8 2.6#

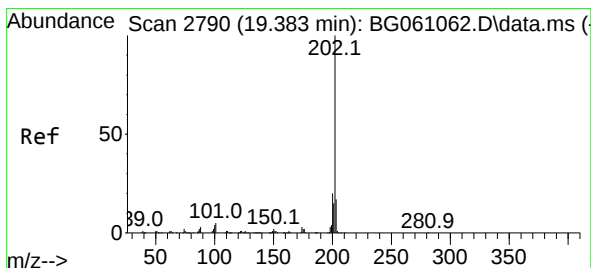
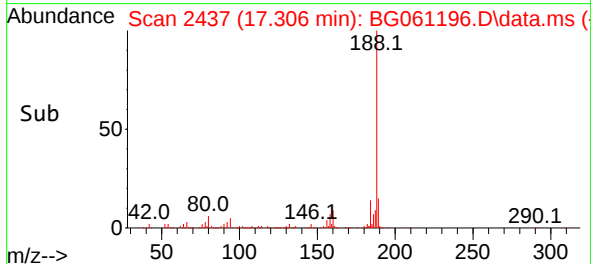
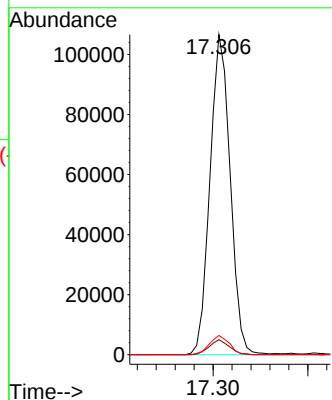
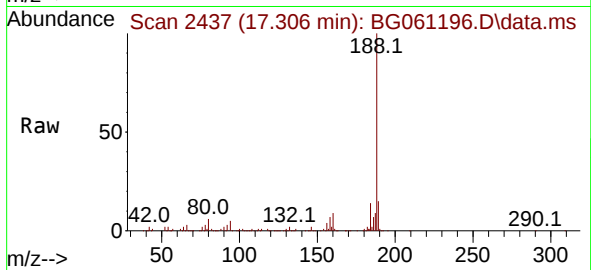




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

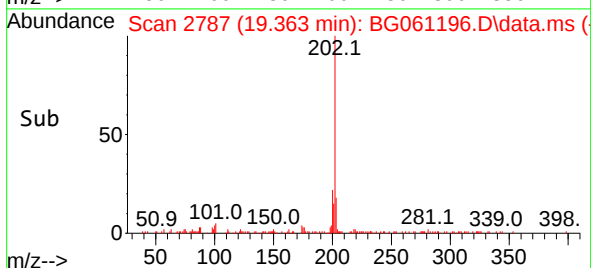
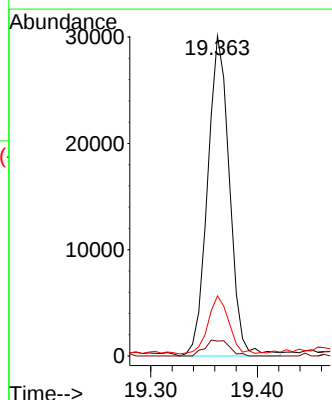
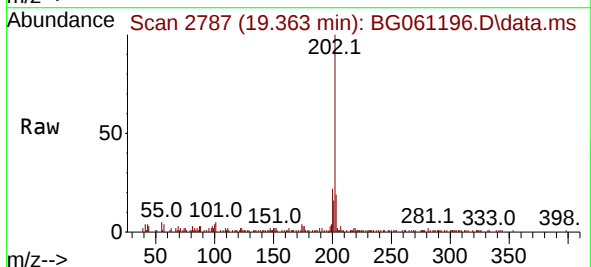
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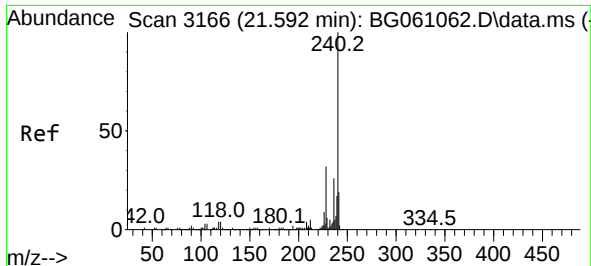
Tgt Ion:188 Resp: 157865
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 6.0 4.2 6.2



#75
Fluoranthene
Concen: 4.348 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:202 Resp: 42997
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.7
203 18.8 0.0 37.1

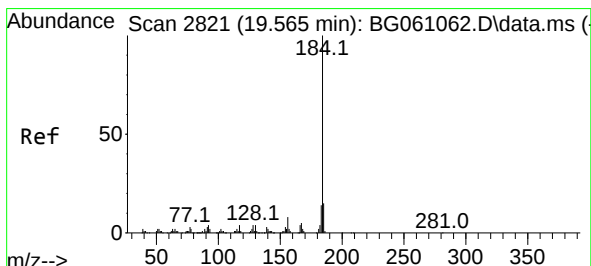
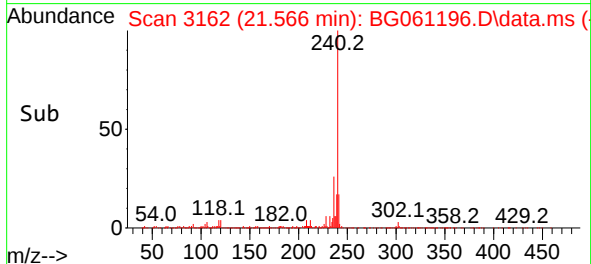
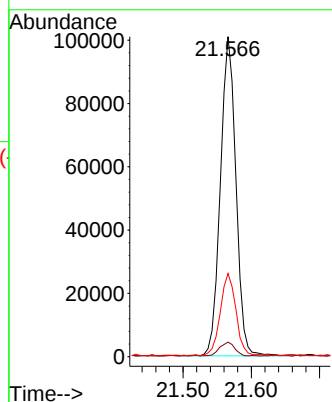
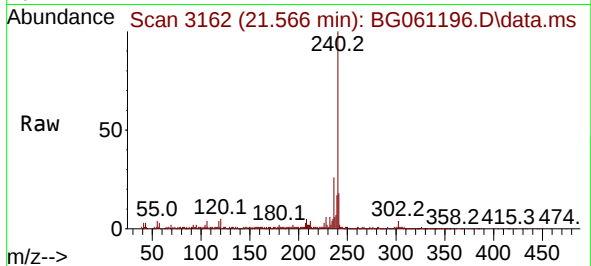




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

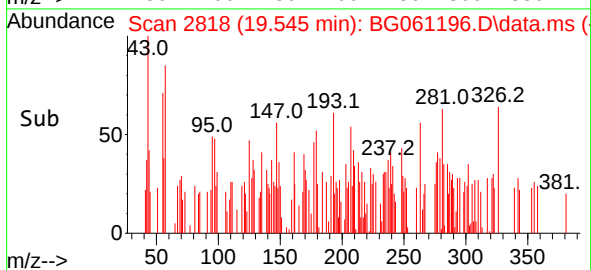
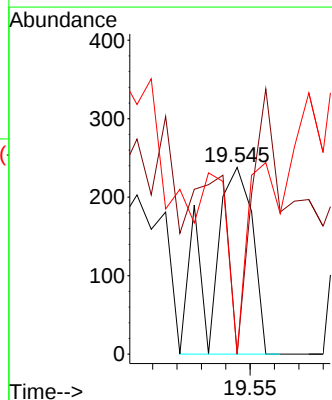
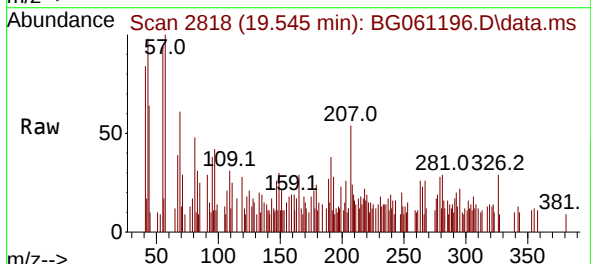
Instrument :
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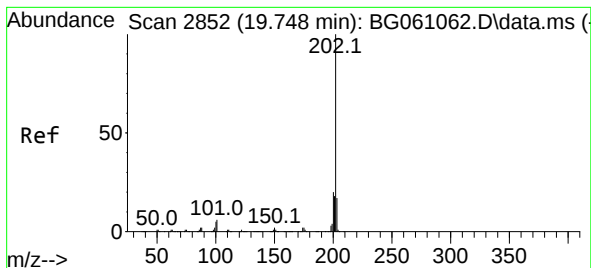
Tgt Ion:240 Resp: 159868
Ion Ratio Lower Upper
240 100
120 4.5 3.2 4.8
236 26.0 21.0 31.6



#77
Benzidine
Concen: 2.884 ng
RT: 19.545 min Scan# 2818
Delta R.T. -0.020 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:184 Resp: 286
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#





#78

Pyrene

Concen: 4.230 ng

RT: 19.363 min Scan# 21

Delta R.T. -0.385 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

HD-02-051324

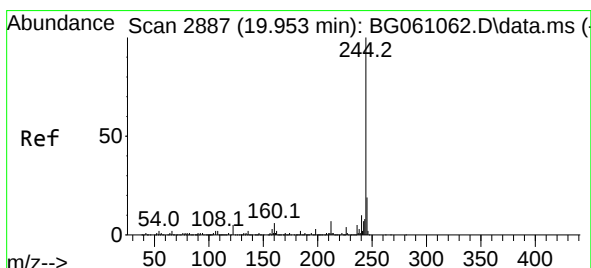
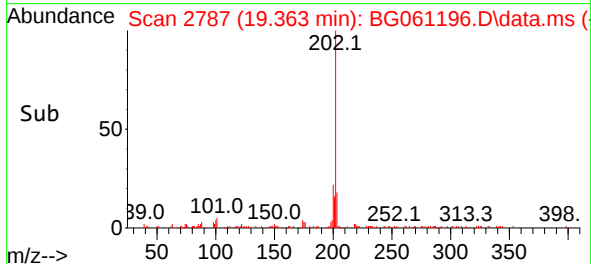
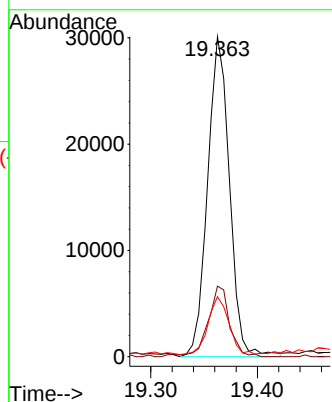
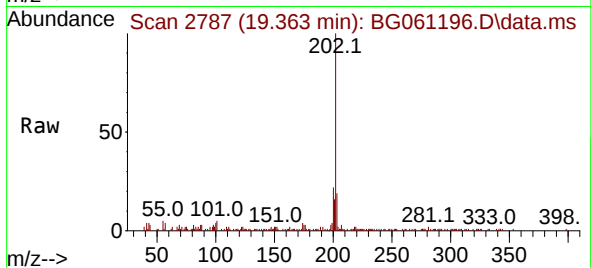
Tgt Ion:202 Resp: 42997

Ion Ratio Lower Upper

202 100

200 22.1 16.2 24.4

203 18.8 13.3 19.9



#79

Terphenyl-d14

Concen: 25.667 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

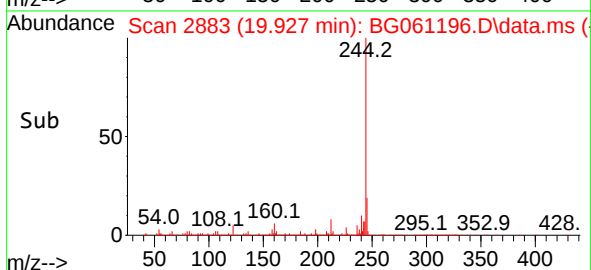
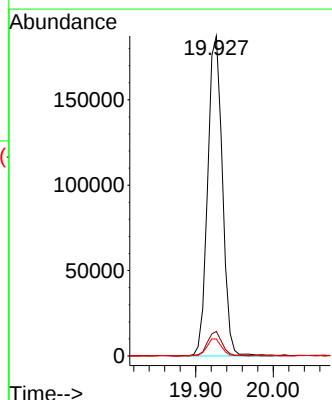
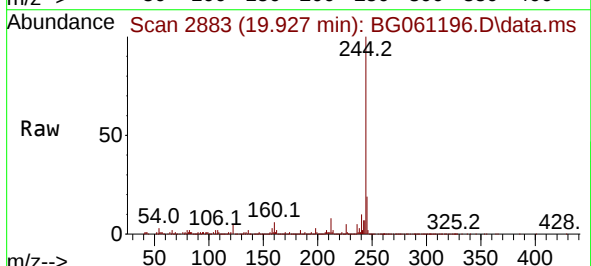
Tgt Ion:244 Resp: 246724

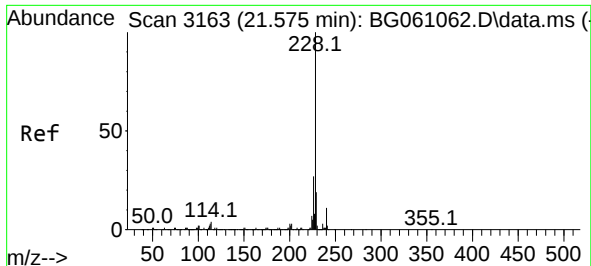
Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 5.3 4.2 6.2

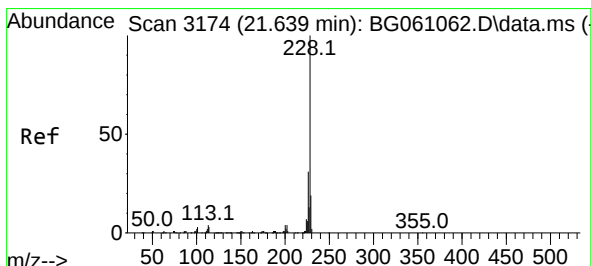
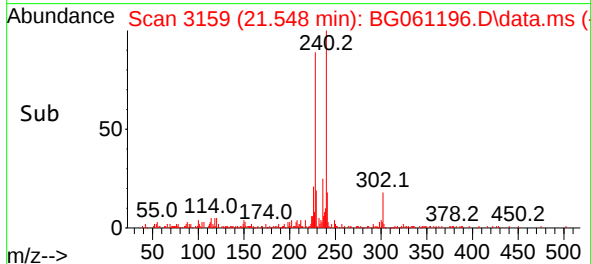
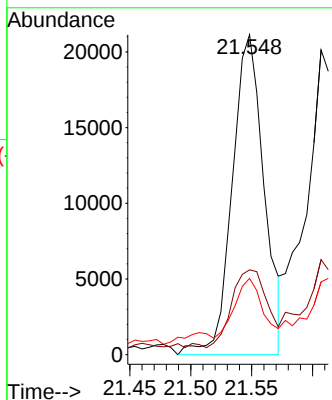
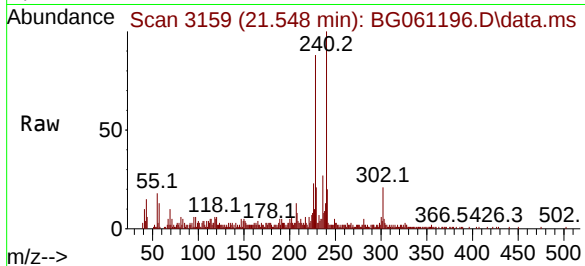




#81
Benzo(a)anthracene
Concen: 3.669 ng
RT: 21.548 min Scan# 3163
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

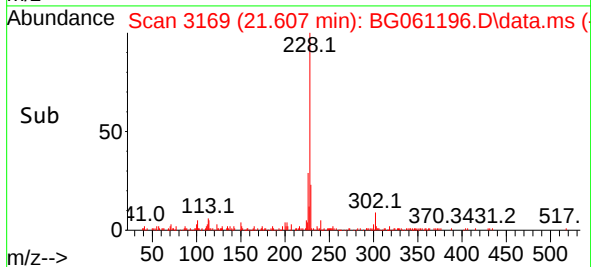
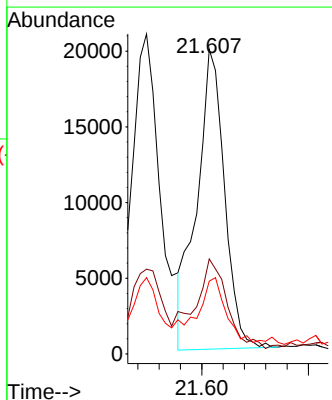
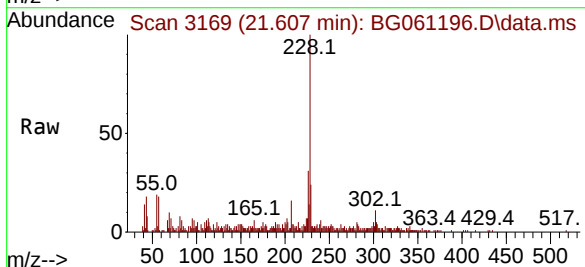
Instrument :
BNA_G
ClientSampleId :
HD-02-051324

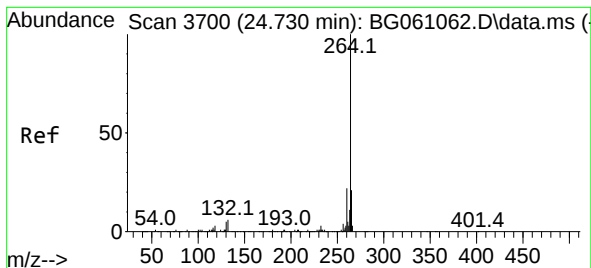
Tgt Ion:228 Resp: 38385
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 23.9 15.0 22.4#



#83
Chrysene
Concen: 3.652 ng
RT: 21.607 min Scan# 3169
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:228 Resp: 35793
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 23.9 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

HD-02-051324

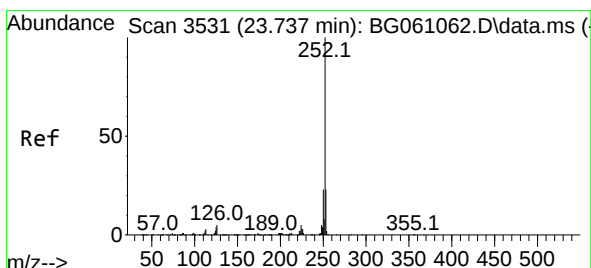
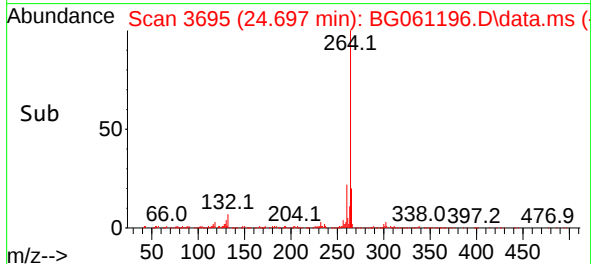
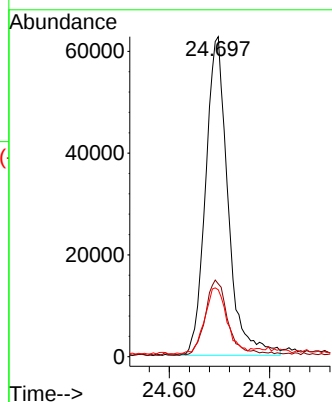
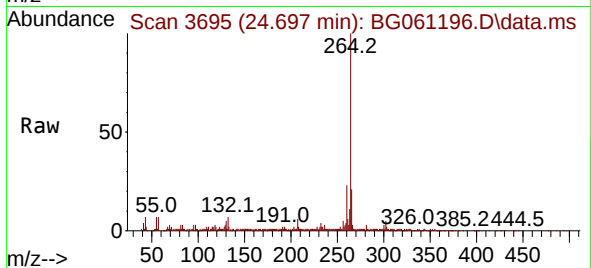
Tgt Ion:264 Resp: 193742

Ion Ratio Lower Upper

264 100

260 22.8 17.7 26.5

265 20.9 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 5.076 ng

RT: 23.710 min Scan# 3527

Delta R.T. -0.027 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

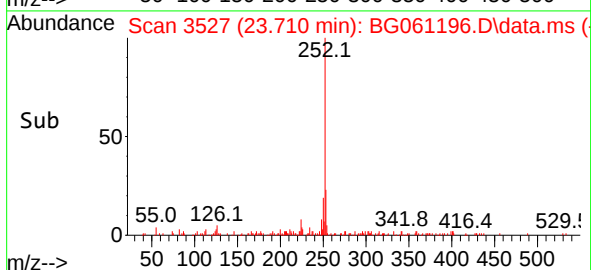
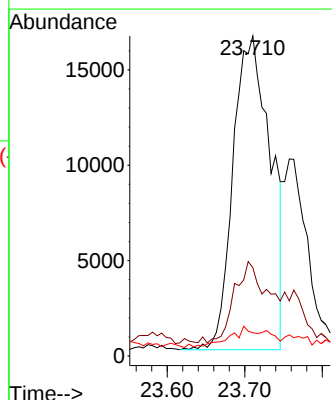
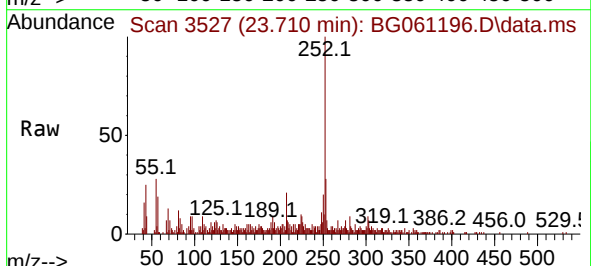
Tgt Ion:252 Resp: 54952

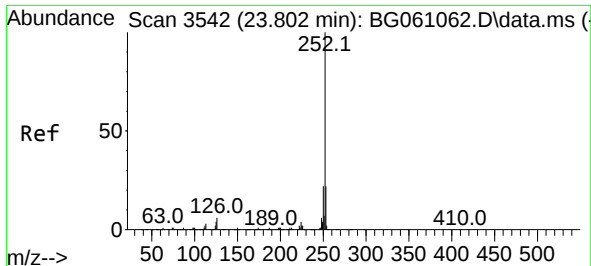
Ion Ratio Lower Upper

252 100

253 27.6 18.2 27.2#

125 7.2 3.4 5.0#

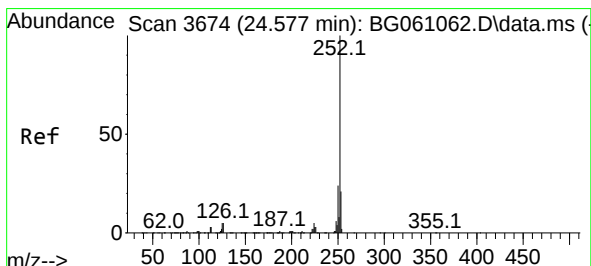
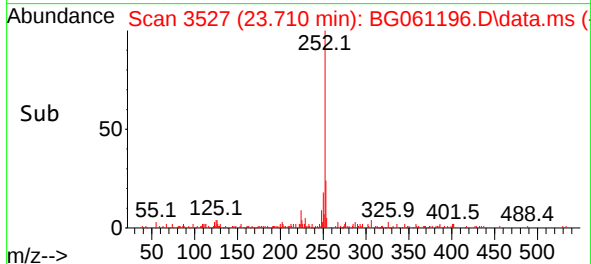
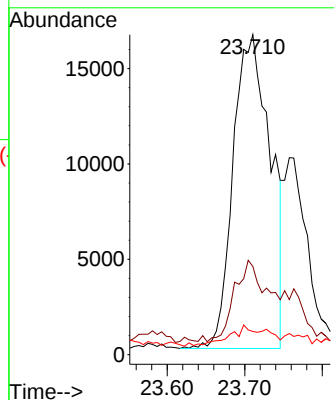
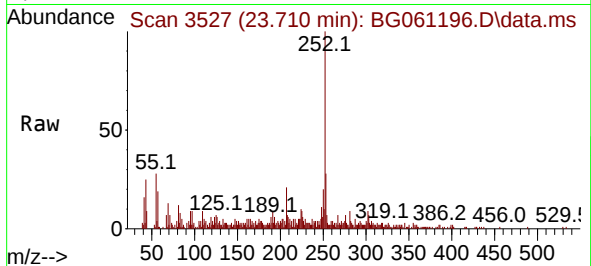




#89
Benzo(k)fluoranthene
Concen: 5.276 ng
RT: 23.710 min Scan# 31
Delta R.T. -0.091 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :
BNA_G
ClientSampleId :
HD-02-051324

Tgt Ion:252 Resp: 54952
Ion Ratio Lower Upper
252 100
253 27.6 17.3 25.9#
125 7.2 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 4.033 ng
RT: 24.545 min Scan# 3669
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:252 Resp: 38042
Ion Ratio Lower Upper
252 100
253 25.3 16.9 25.3#
125 10.0 3.8 5.8#

