

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061123.D
 Acq On : 6 May 2024 16:50
 Operator : MA/JU
 Sample : P2378-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-05032024

Quant Time: May 06 17:30:08 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)

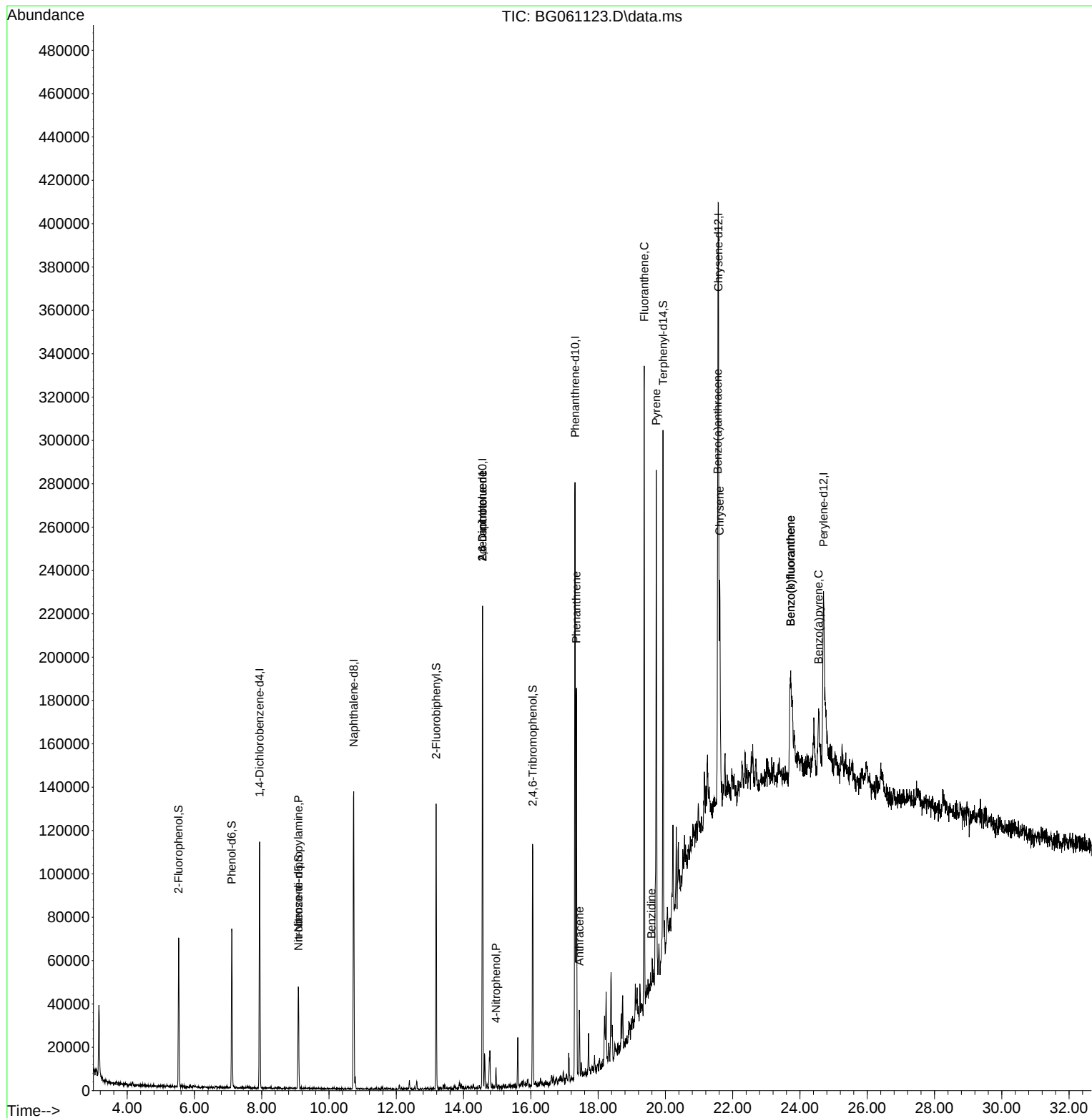
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	29355	20.000	ng	-0.02
21) Naphthalene-d8	10.734	136	111022	20.000	ng	-0.02
39) Acenaphthene-d10	14.565	164	80987	20.000	ng	-0.02
64) Phenanthrene-d10	17.314	188	183407	20.000	ng	-0.02
76) Chrysene-d12	21.574	240	170588	20.000	ng	-0.02
86) Perylene-d12	24.700	264	123401	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	25646	17.768	ng	-0.02
7) Phenol-d6	7.109	99	35305	16.534	ng	-0.02
23) Nitrobenzene-d5	9.095	82	24613	10.990	ng	-0.02
42) 2,4,6-Tribromophenol	16.057	330	25541	15.778	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	66801	12.197	ng	-0.02
79) Terphenyl-d14	19.929	244	120369	11.735	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.089	70	3831	2.397	ng	# 57
51) 2,6-Dinitrotoluene	14.565	165	10887	8.137	ng	# 16
56) 4-Nitrophenol	14.964	139	2372	2.397	ng	# 1
57) 2,4-Dinitrotoluene	14.565	165	10887	5.500	ng	# 18
71) Phenanthrene	17.356	178	115086	13.723	ng	100
72) Anthracene	17.444	178	19980	2.388	ng	97
75) Fluoranthene	19.371	202	194325	16.914	ng	99
77) Benzidine	19.582	184	430	2.920	ng	# 1
78) Pyrene	19.729	202	160686	14.816	ng	98
81) Benzo(a)anthracene	21.551	228	76365	6.841	ng	# 94
83) Chrysene	21.615	228	81910	7.832	ng	# 95
88) Benzo(b)fluoranthene	23.725	252	76860	11.146	ng	# 96
89) Benzo(k)fluoranthene	23.725	252	76860	11.586	ng	# 94
90) Benzo(a)pyrene	24.553	252	38531	6.414	ng	# 87

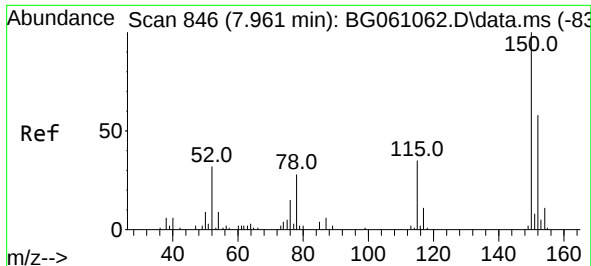
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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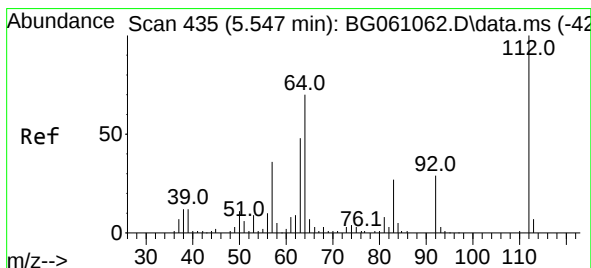
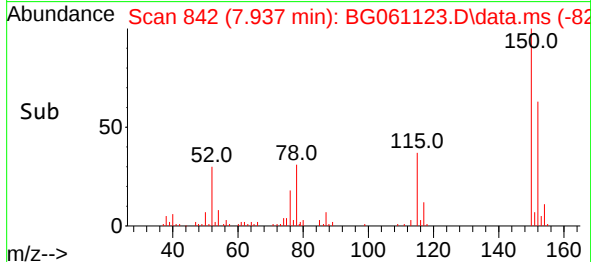
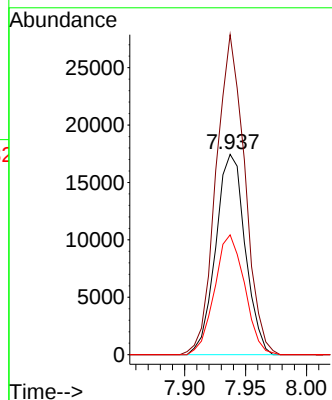
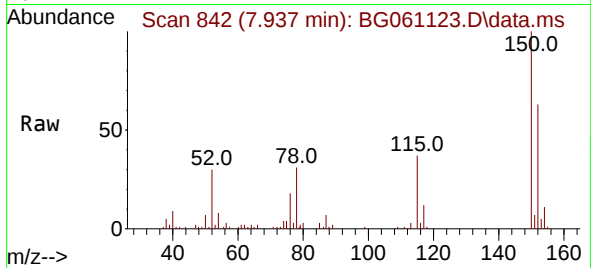




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

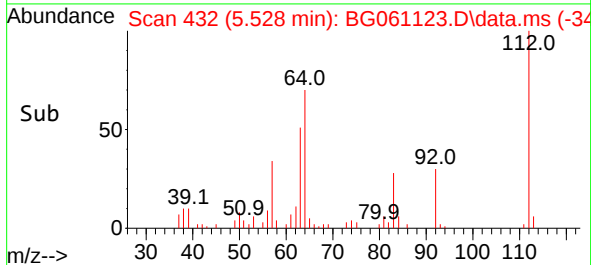
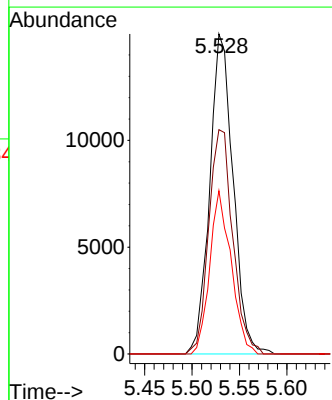
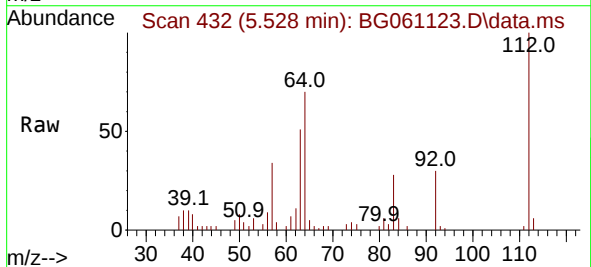
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BNA_G
ClientSampleId :
OR-02-05032024

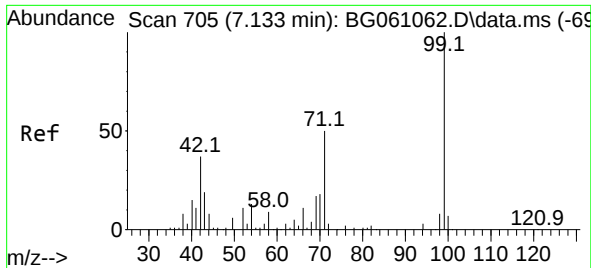
Tgt Ion:152 Resp: 29355
Ion Ratio Lower Upper
152 100
150 159.7 138.3 207.5
115 59.8 48.0 72.0



#5
2-Fluorophenol
Concen: 17.768 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:112 Resp: 25646
Ion Ratio Lower Upper
112 100
64 70.1 55.7 83.5
63 51.0 38.1 57.1

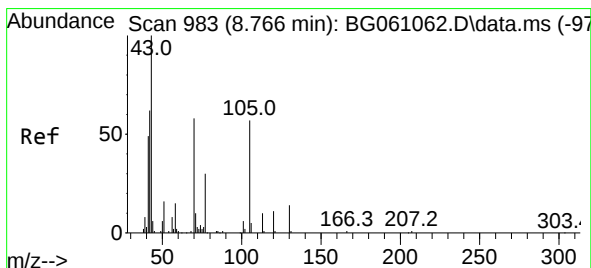
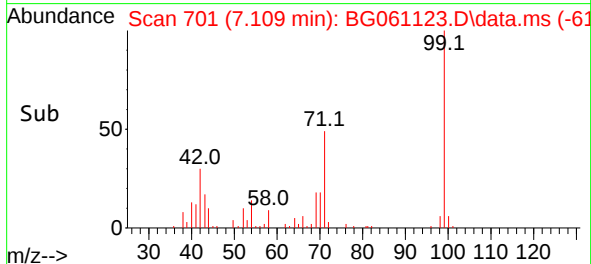
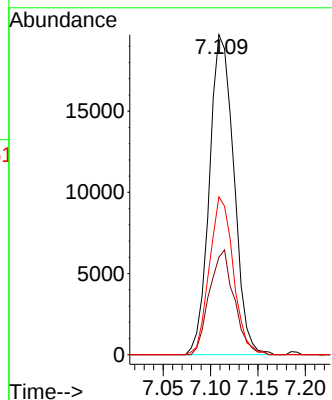
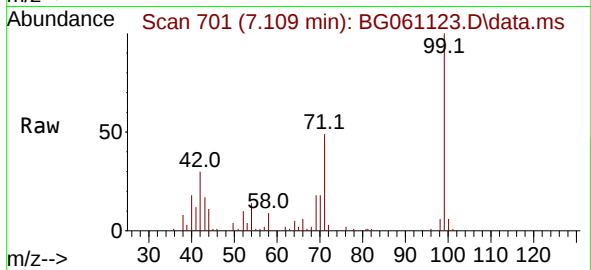




#7
Phenol-d6
Concen: 16.534 ng
RT: 7.109 min Scan# 70
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

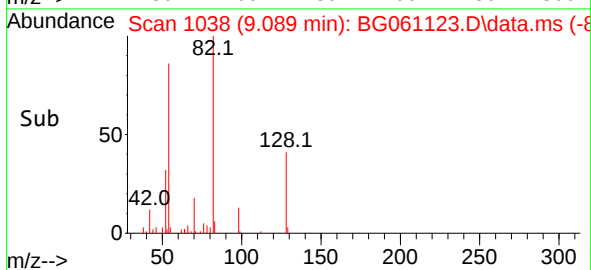
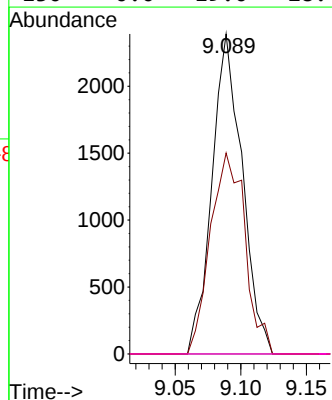
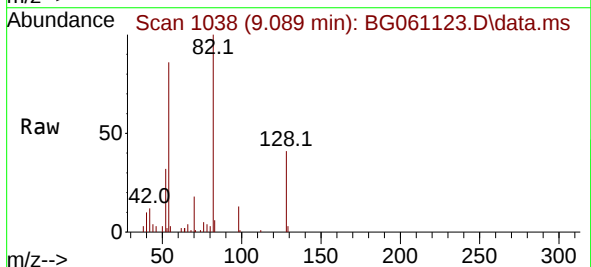
Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

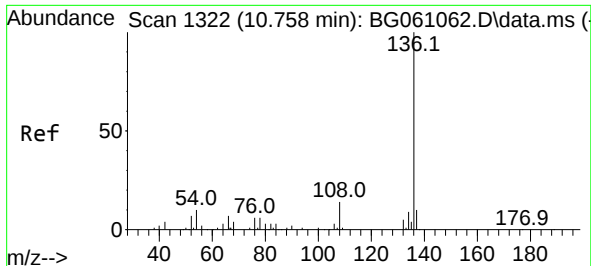
Tgt Ion: 99 Resp: 35305
Ion Ratio Lower Upper
99 100
42 30.5 29.2 43.8
71 49.3 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.397 ng
RT: 9.089 min Scan# 1038
Delta R.T. 0.322 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion: 70 Resp: 3831
Ion Ratio Lower Upper
70 100
42 62.8 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

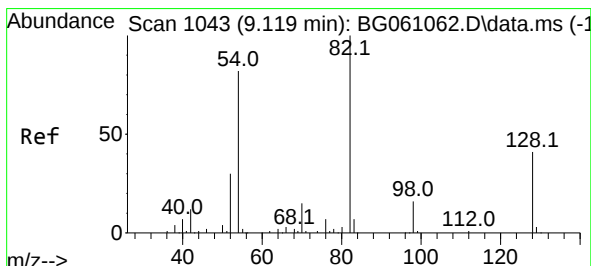
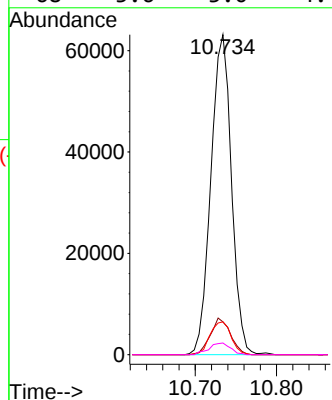
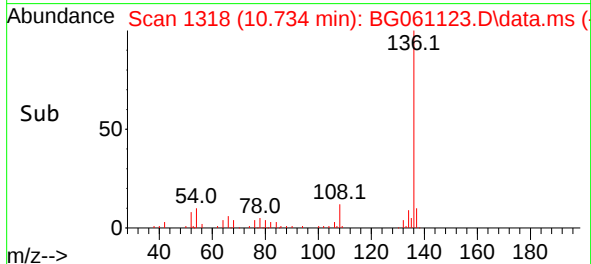
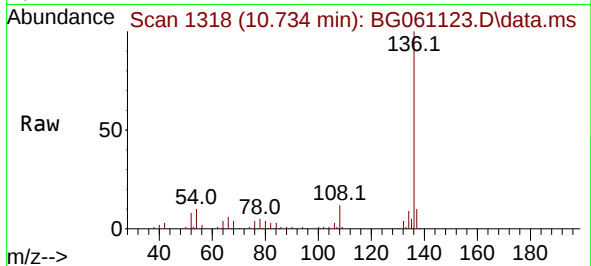




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

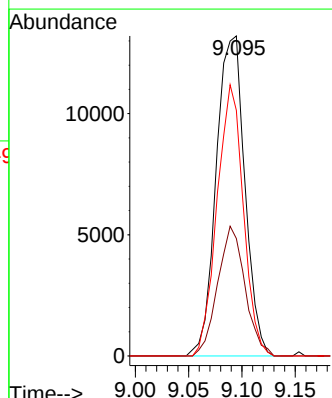
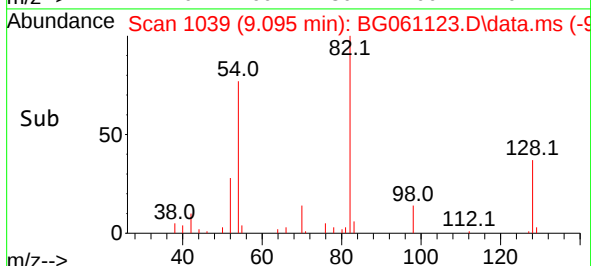
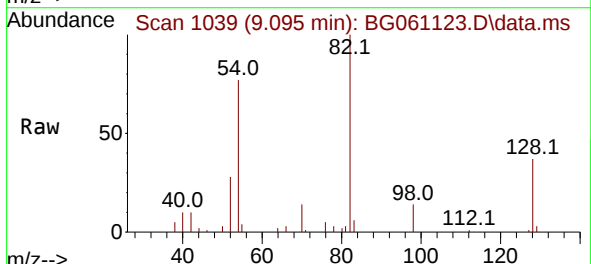
Instrument :
BNA_G
ClientSampleId :
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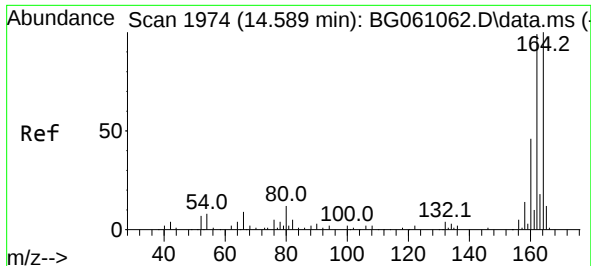
Tgt Ion:	136	Resp:	111022
Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.8	11.6
54	10.3	8.1	12.1
68	3.6	3.0	4.4



#23
Nitrobenzene-d5
Concen: 10.990 ng
RT: 9.095 min Scan# 1039
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:	82	Resp:	24613
Ion	Ratio	Lower	Upper
82	100		
128	36.7	32.7	49.1
54	76.8	65.6	98.4

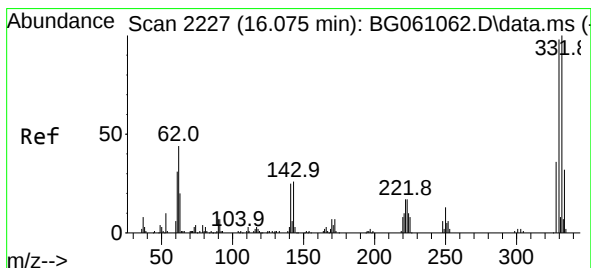
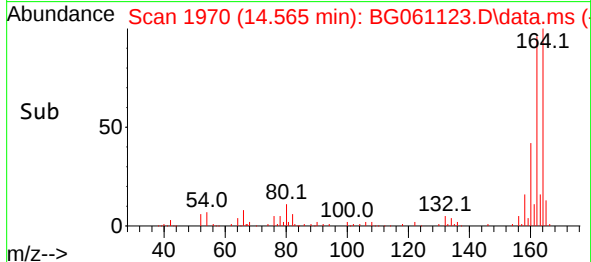
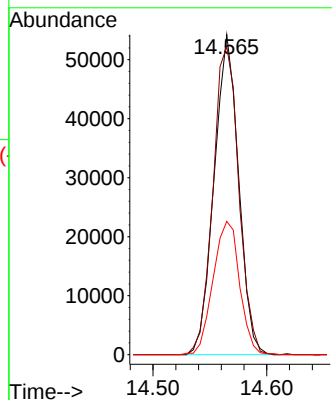
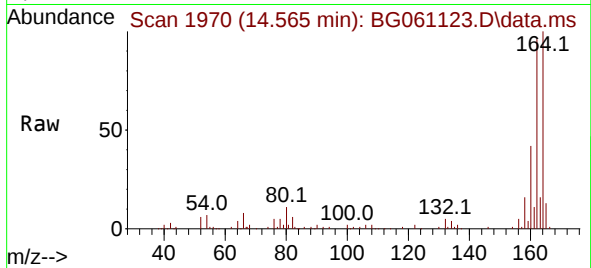




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1974
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

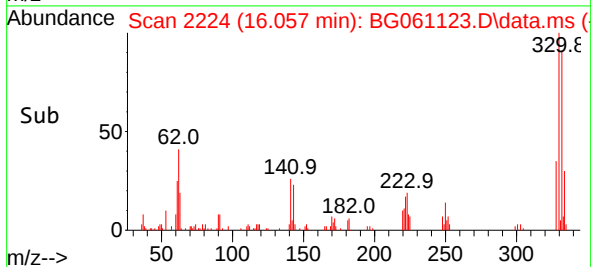
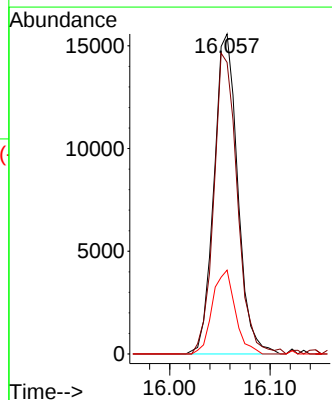
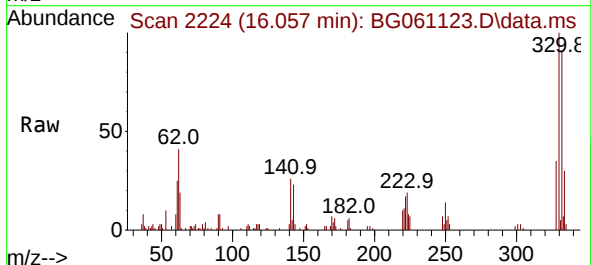
Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

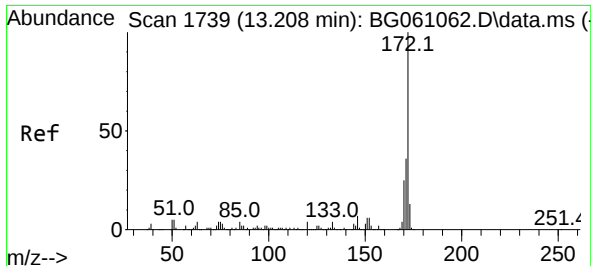
Tgt Ion:164 Resp: 80987
Ion Ratio Lower Upper
164 100
162 96.3 79.4 119.2
160 41.7 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 15.778 ng
RT: 16.057 min Scan# 2224
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:330 Resp: 25541
Ion Ratio Lower Upper
330 100
332 93.2 78.6 117.8
141 25.3 20.5 30.7

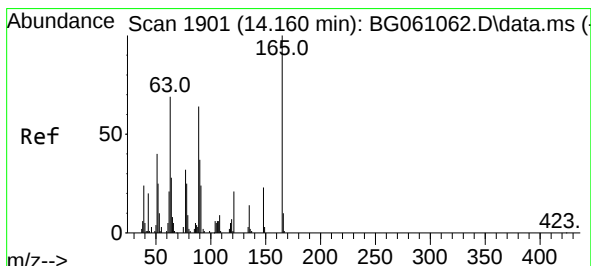
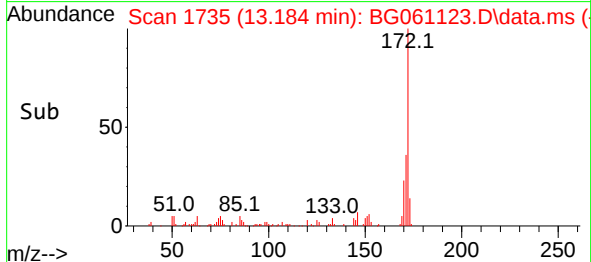
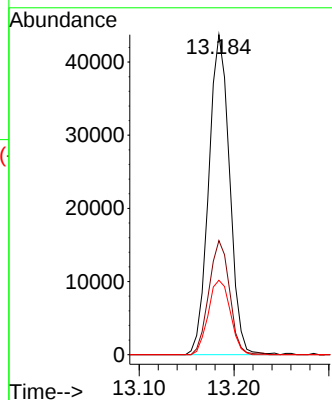
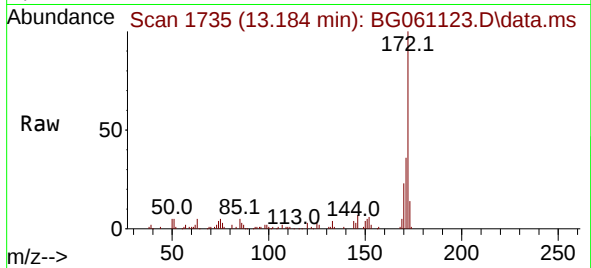




#45
2-Fluorobiphenyl
Concen: 12.197 ng
RT: 13.184 min Scan# 1
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

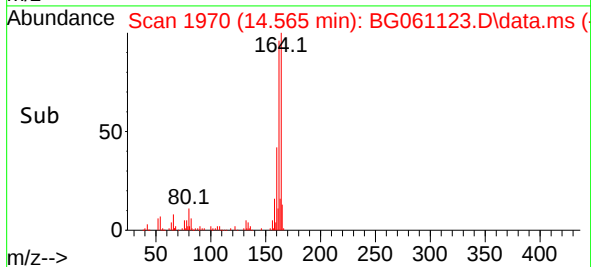
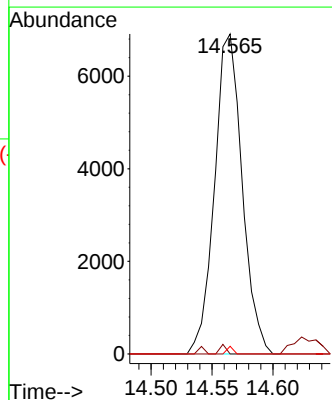
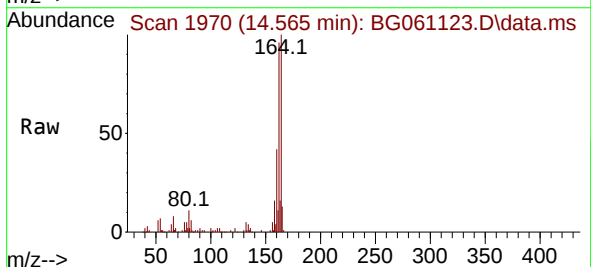
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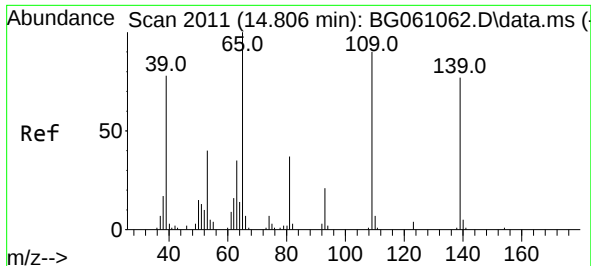
Tgt Ion:172 Resp: 66801
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.2 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.137 ng
RT: 14.565 min Scan# 1970
Delta R.T. 0.405 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:165 Resp: 10887
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.4 50.9 76.3#

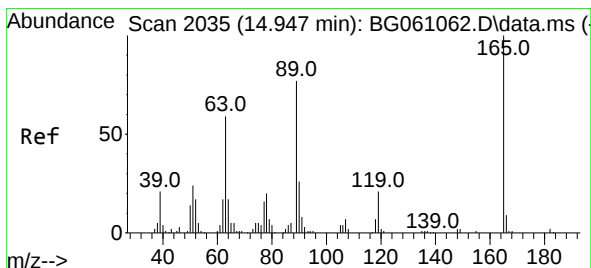
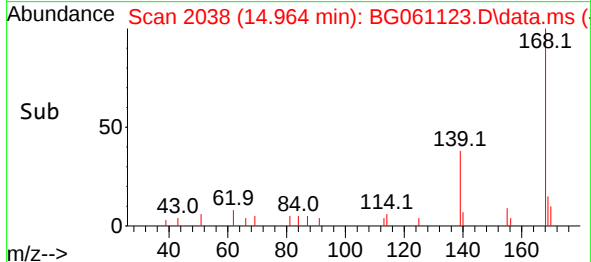
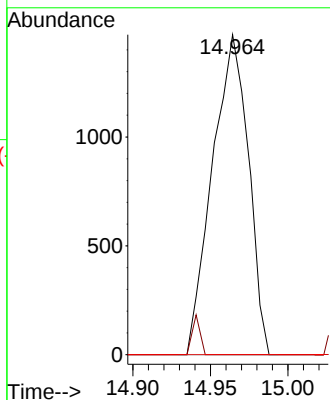
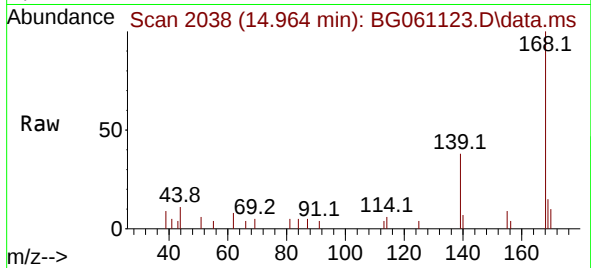




#56
4-Nitrophenol
Concen: 2.397 ng
RT: 14.964 min Scan# 2011
Delta R.T. 0.158 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

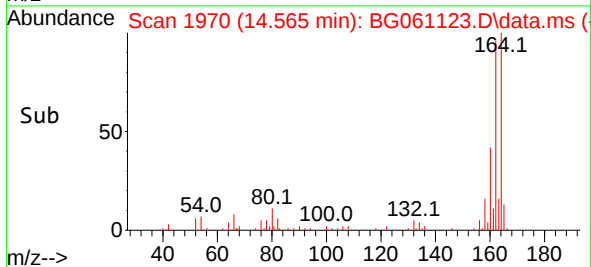
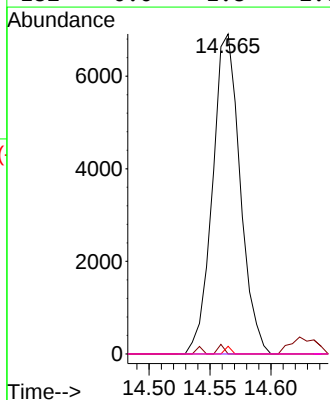
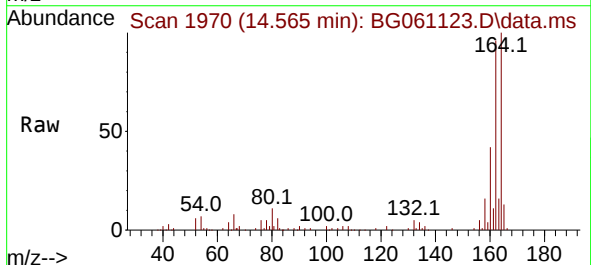
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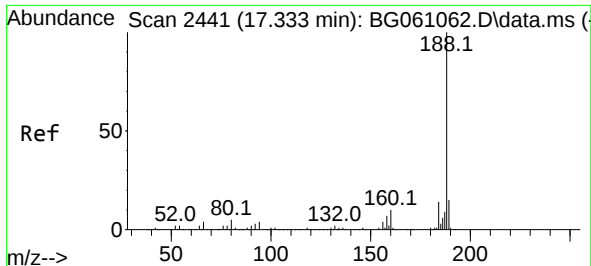
Tgt Ion:139 Resp: 2372
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 0.0 110.7 150.7#



#57
2,4-Dinitrotoluene
Concen: 5.500 ng
RT: 14.565 min Scan# 1970
Delta R.T. -0.383 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:165 Resp: 10887
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.4 61.8 92.8#
182 0.0 1.8 2.6#

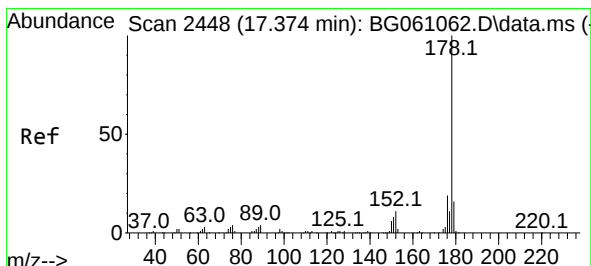
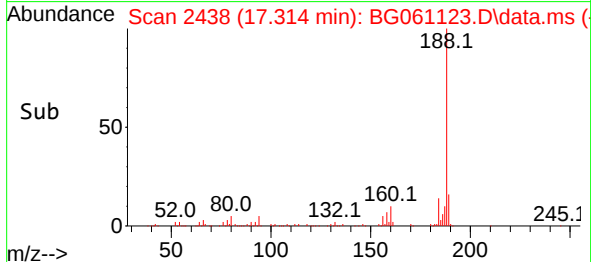
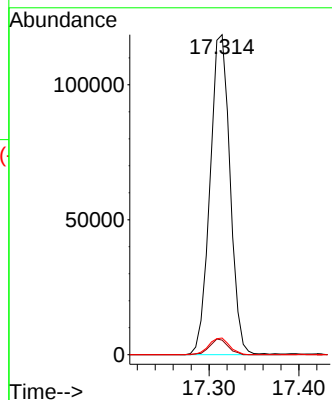
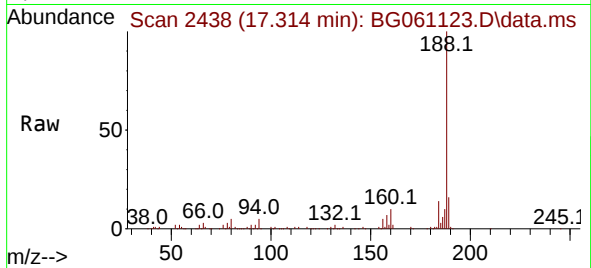




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2441
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

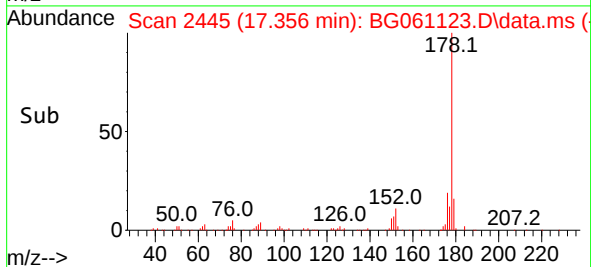
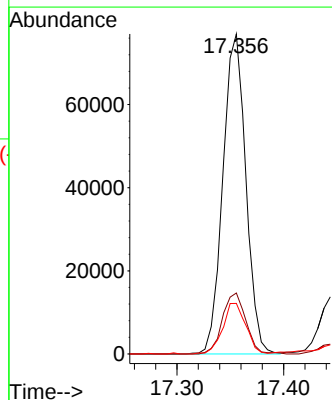
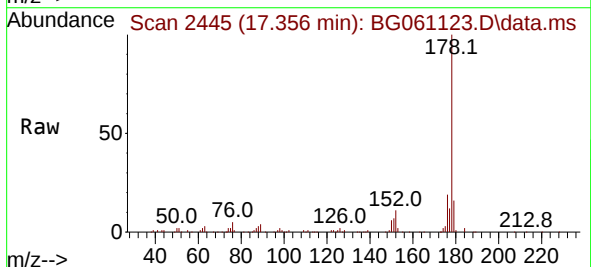
Instrument :
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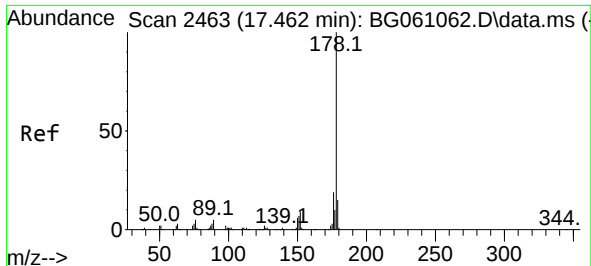
Tgt Ion:188 Resp: 183407
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.2 4.2 6.2



#71
Phenanthrene
Concen: 13.723 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:178 Resp: 115086
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.6 19.0

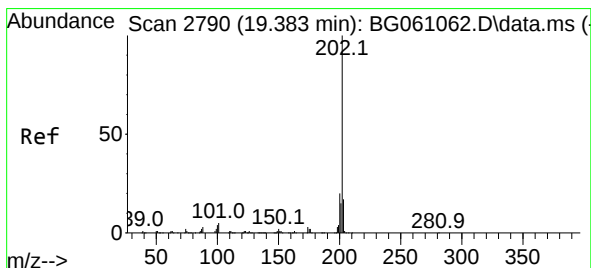
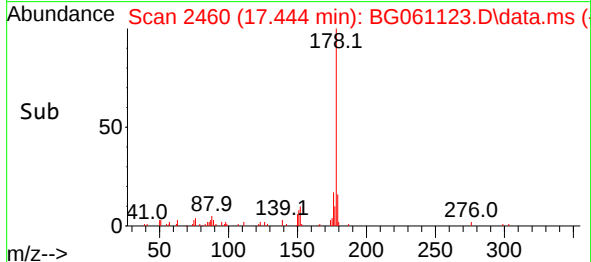
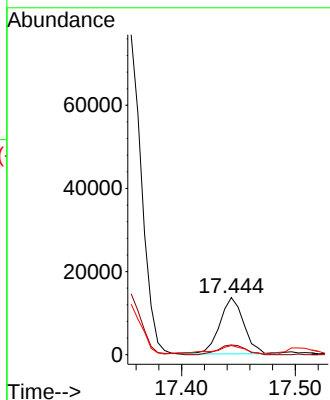
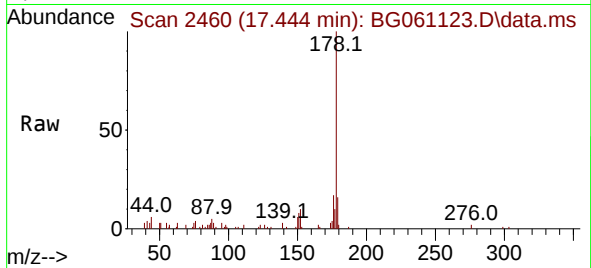




#72
 Anthracene
 Concen: 2.388 ng
 RT: 17.444 min Scan# 2460
 Delta R.T. -0.018 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50

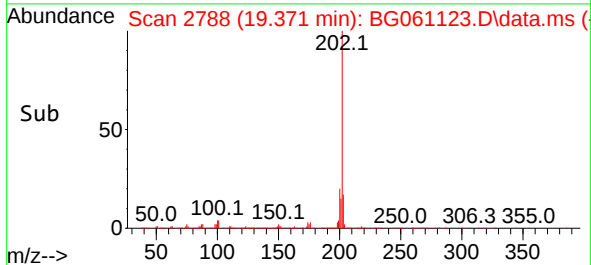
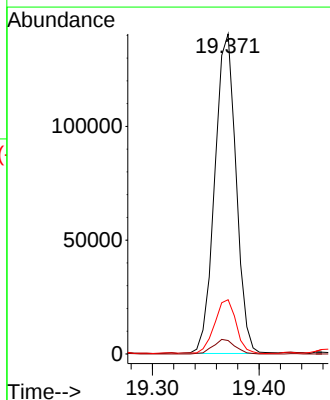
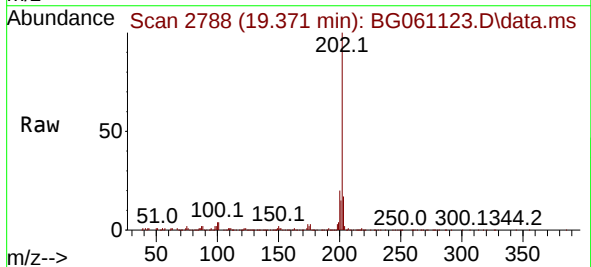
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-05032024

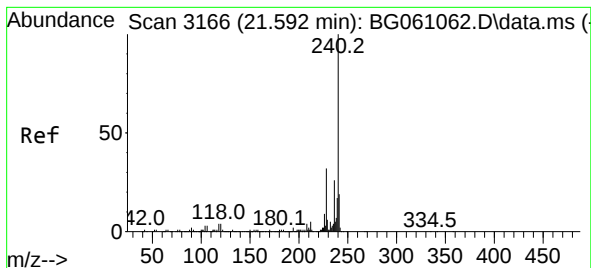
Tgt Ion:178 Resp: 19980
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.6
 179 15.9 12.0 18.0



#75
 Fluoranthene
 Concen: 16.914 ng
 RT: 19.371 min Scan# 2788
 Delta R.T. -0.012 min
 Lab File: BG061123.D
 Acq: 6 May 2024 16:50

Tgt Ion:202 Resp: 194325
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 24.7
 203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3163

Delta R.T. -0.018 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

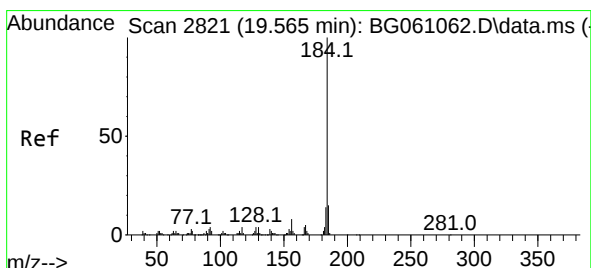
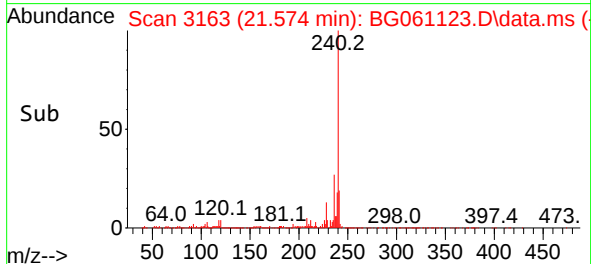
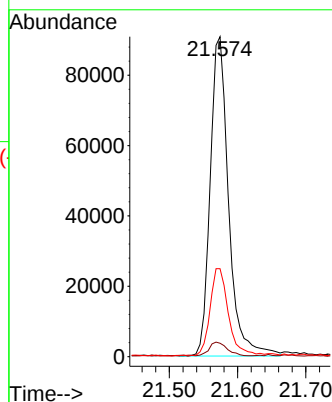
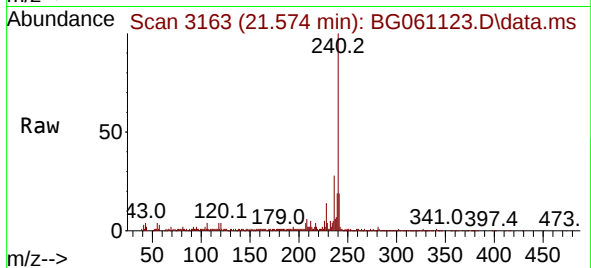
Tgt Ion:240 Resp: 170588

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

236 27.5 21.0 31.6



#77

Benzidine

Concen: 2.920 ng

RT: 19.582 min Scan# 2824

Delta R.T. 0.017 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

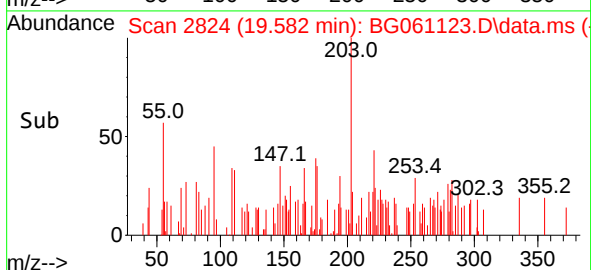
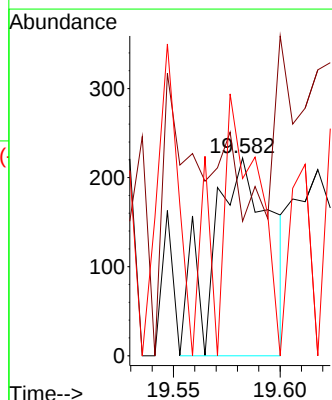
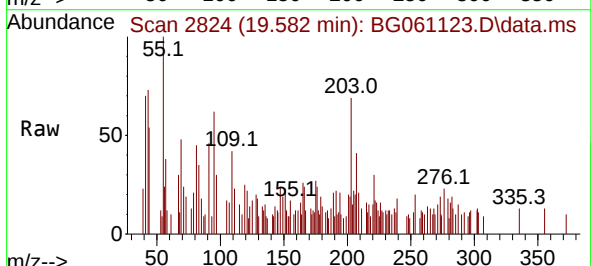
Tgt Ion:184 Resp: 430

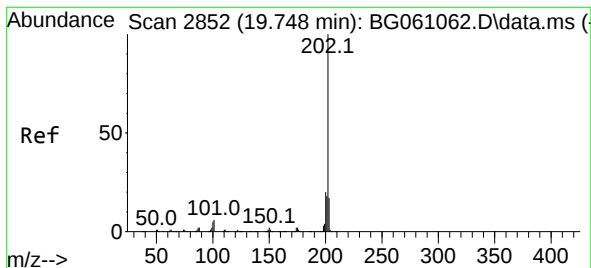
Ion Ratio Lower Upper

184 100

185 68.0 12.0 18.0#

183 89.6 10.9 16.3#





#78

Pyrene

Concen: 14.816 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

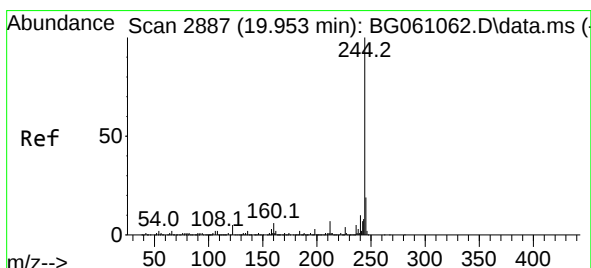
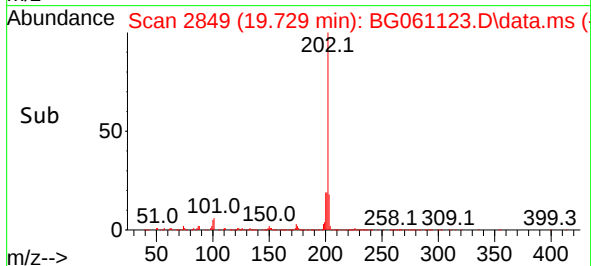
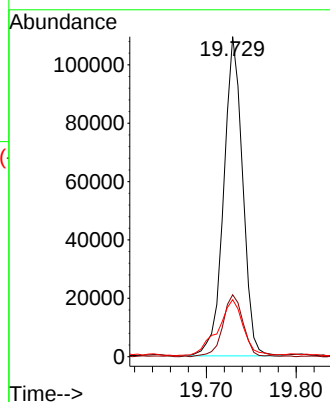
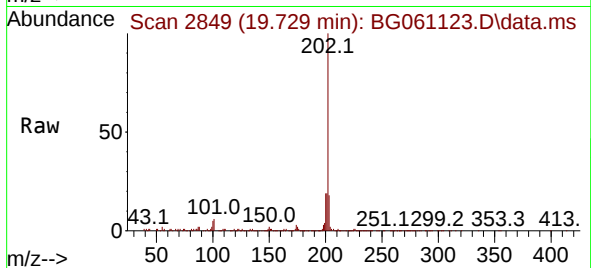
Tgt Ion:202 Resp: 160686

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.4

203 17.8 13.3 19.9



#79

Terphenyl-d14

Concen: 11.735 ng

RT: 19.929 min Scan# 2883

Delta R.T. -0.024 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

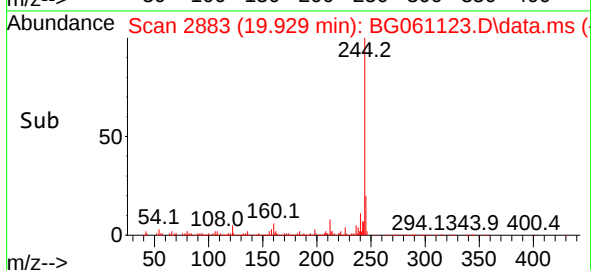
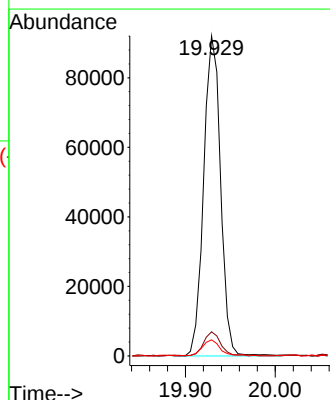
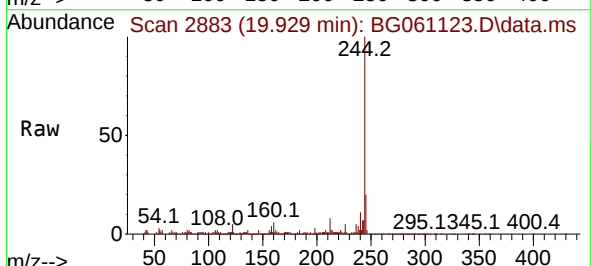
Tgt Ion:244 Resp: 120369

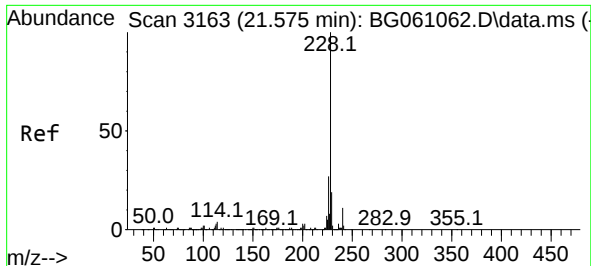
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 5.1 4.2 6.2

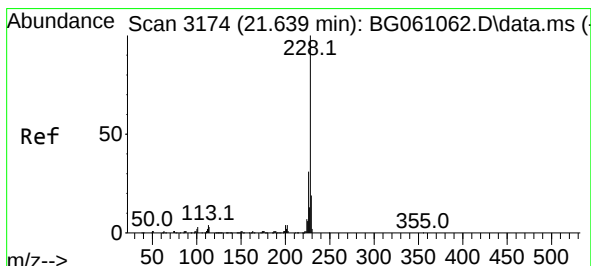
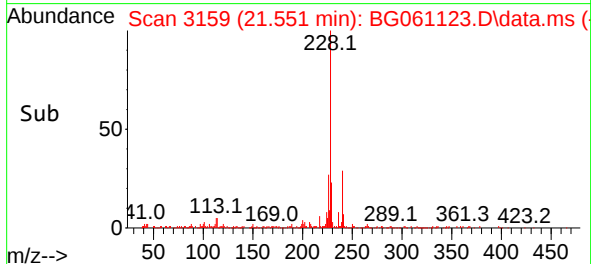
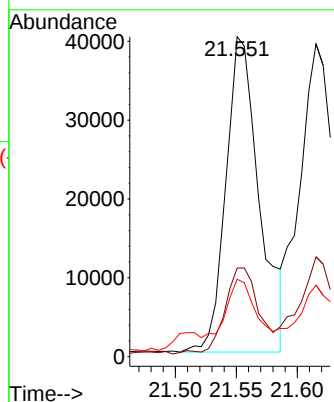
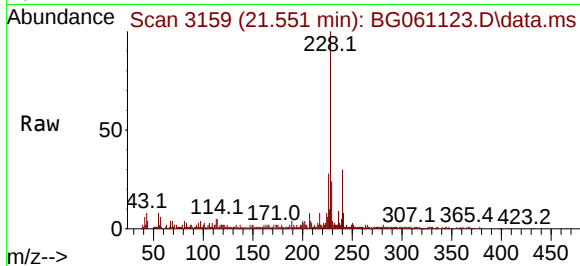




#81
Benzo(a)anthracene
Concen: 6.841 ng
RT: 21.551 min Scan# 3163
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

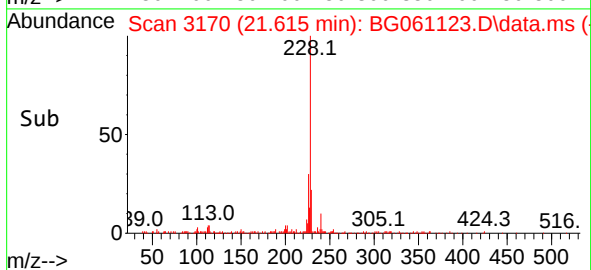
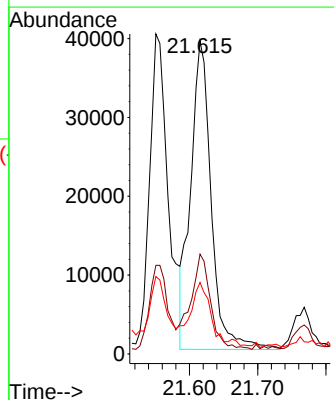
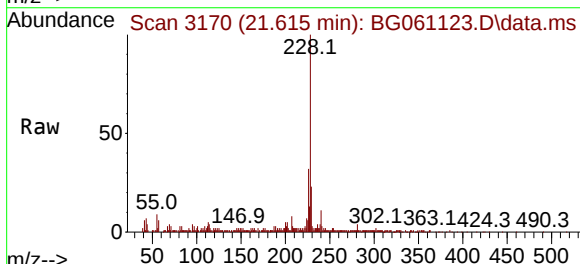
Instrument :
BNA_G
ClientSampleId :
OR-02-05032024

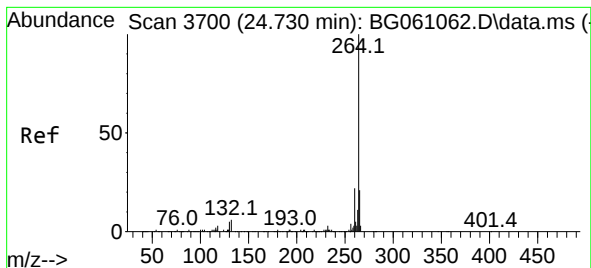
Tgt Ion:228 Resp: 76365
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 24.2 15.0 22.4#



#83
Chrysene
Concen: 7.832 ng
RT: 21.615 min Scan# 3170
Delta R.T. -0.024 min
Lab File: BG061123.D
Acq: 6 May 2024 16:50

Tgt Ion:228 Resp: 81910
Ion Ratio Lower Upper
228 100
226 31.9 24.4 36.6
229 22.9 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.700 min Scan# 3

Delta R.T. -0.030 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

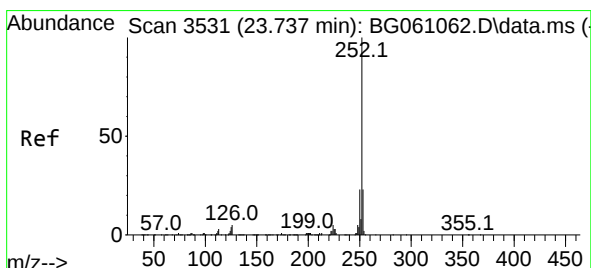
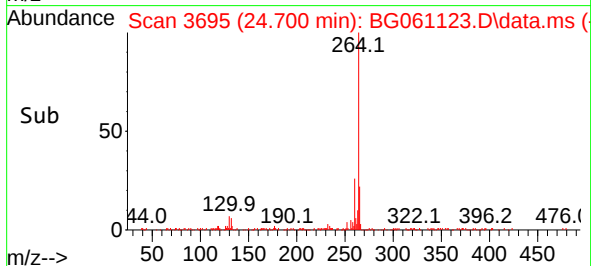
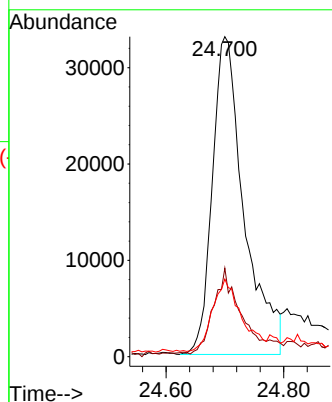
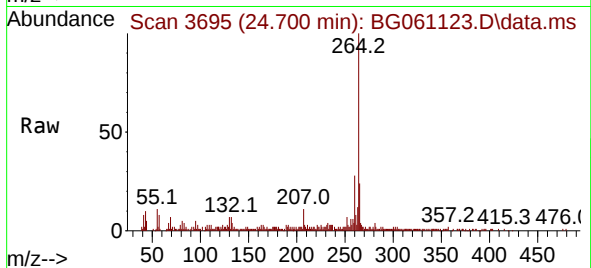
Tgt Ion:264 Resp: 123401

Ion Ratio Lower Upper

264 100

260 27.7 17.7 26.5#

265 24.2 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 11.146 ng

RT: 23.725 min Scan# 3529

Delta R.T. -0.012 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

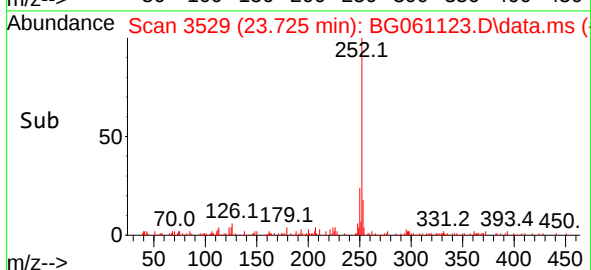
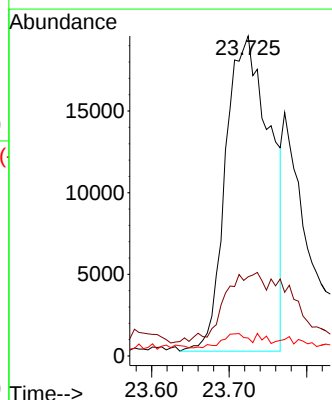
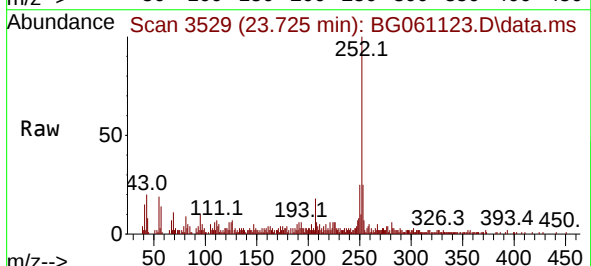
Tgt Ion:252 Resp: 76860

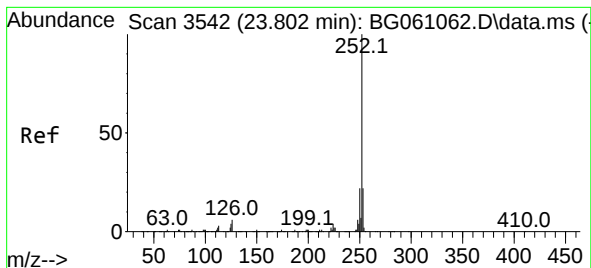
Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 5.6 3.4 5.0#





#89

Benzo(k)fluoranthene

Concen: 11.586 ng

RT: 23.725 min Scan# 3

Delta R.T. -0.077 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Instrument :

BNA_G

ClientSampleId :

OR-02-05032024

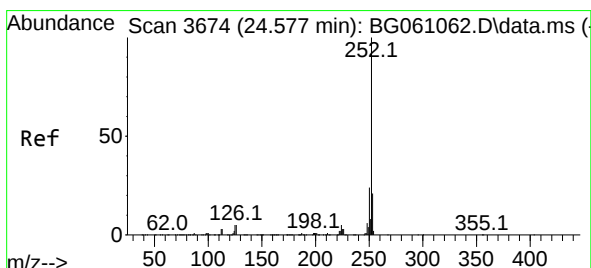
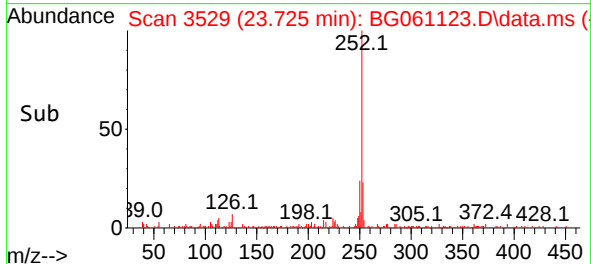
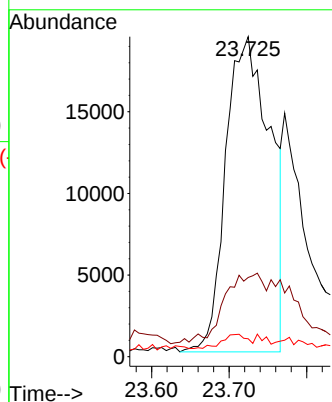
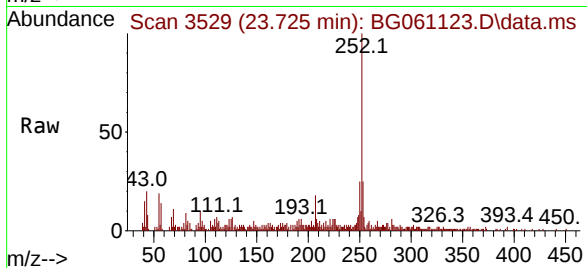
Tgt Ion:252 Resp: 76860

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 5.6 3.2 4.8#



#90

Benzo(a)pyrene

Concen: 6.414 ng

RT: 24.553 min Scan# 3670

Delta R.T. -0.024 min

Lab File: BG061123.D

Acq: 6 May 2024 16:50

Tgt Ion:252 Resp: 38531

Ion Ratio Lower Upper

252 100

253 27.6 16.9 25.3#

125 7.5 3.8 5.8#

