

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061235.D
 Acq On : 17 May 2024 12:27
 Operator : MA/JU
 Sample : P2487-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

Quant Time: May 17 13:10:02 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

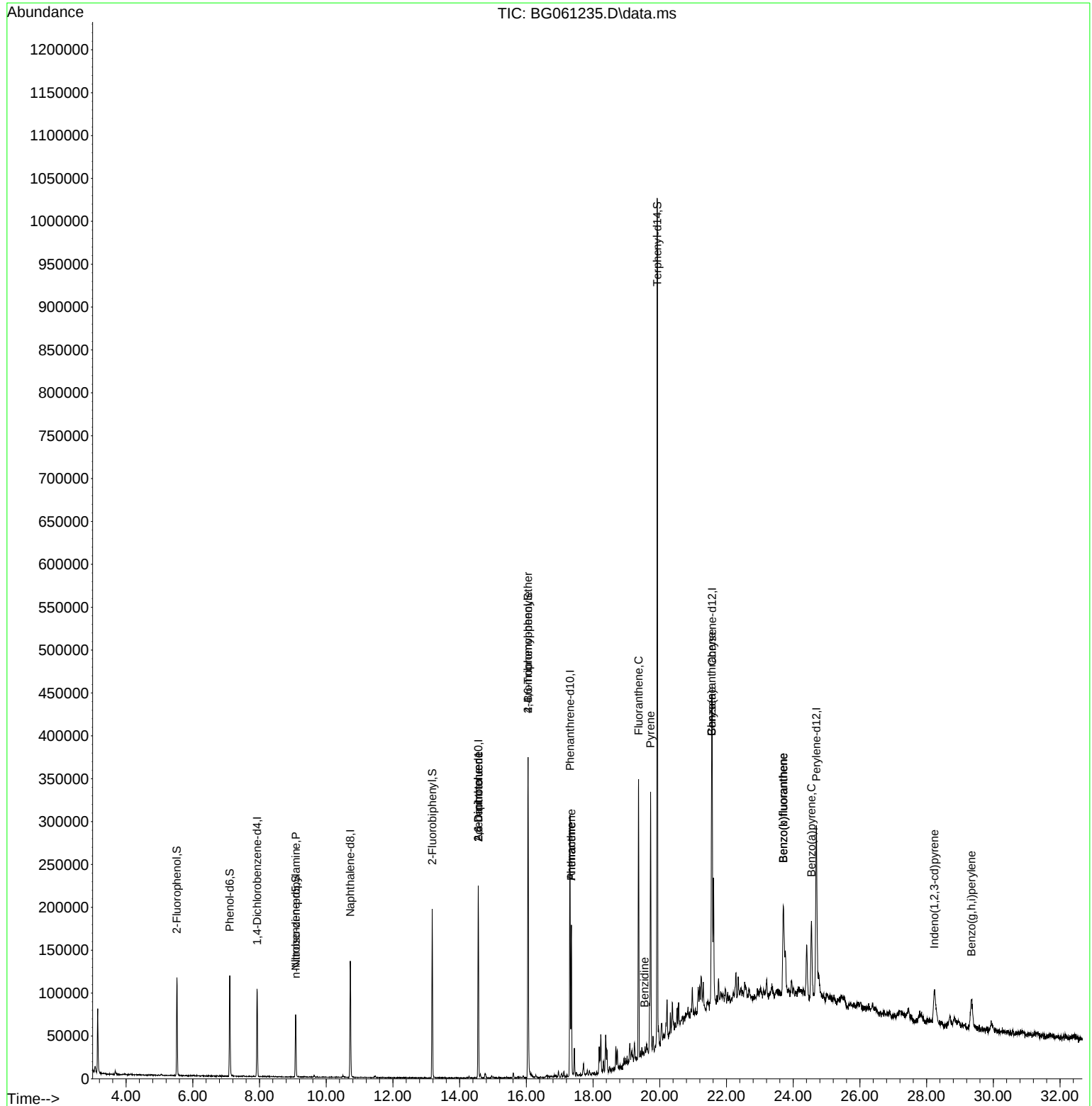
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	27155	20.000	ng	-0.04
21) Naphthalene-d8	10.723	136	105688	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	83471	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	193516	20.000	ng	-0.02
76) Chrysene-d12	21.569	240	189653	20.000	ng	-0.02
86) Perylene-d12	24.695	264	226336	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	39545	29.617	ng	-0.02
7) Phenol-d6	7.109	99	52965	26.815	ng	-0.02
23) Nitrobenzene-d5	9.083	82	36610	17.172	ng	-0.04
42) 2,4,6-Tribromophenol	16.052	330	82111	49.214	ng	-0.02
45) 2-Fluorobiphenyl	13.179	172	97056	17.194	ng	-0.03
79) Terphenyl-d14	19.924	244	509688	44.697	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.109	77	68	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propyla...	9.089	70	5438	3.679	ng	# 55
51) 2,6-Dinitrotoluene	14.559	165	10444	7.573	ng	# 15
57) 2,4-Dinitrotoluene	14.559	165	10444	5.119	ng	# 17
67) 4-Bromophenyl-phenylether	16.052	248	5276	2.314	ng	# 1
71) Phenanthrene	17.350	178	110471	12.485	ng	98
72) Anthracene	17.350	178	110471	12.512	ng	98
75) Fluoranthene	19.366	202	216813	17.886	ng	99
77) Benzidine	19.548	184	376	2.894	ng	# 65
78) Pyrene	19.724	202	206517	17.128	ng	97
81) Benzo(a)anthracene	21.551	228	114960	9.263	ng	99
83) Chrysene	21.551	228	114960	9.887	ng	97
87) Indeno(1,2,3-cd)pyrene	28.232	276	70049	4.670	ng	# 90
88) Benzo(b)fluoranthene	23.708	252	131249	10.377	ng	96
89) Benzo(k)fluoranthene	23.708	252	131249	10.787	ng	# 94
90) Benzo(a)pyrene	24.548	252	98390	8.929	ng	# 92
92) Benzo(g,h,i)perylene	29.342	276	72660	5.886	ng	# 96

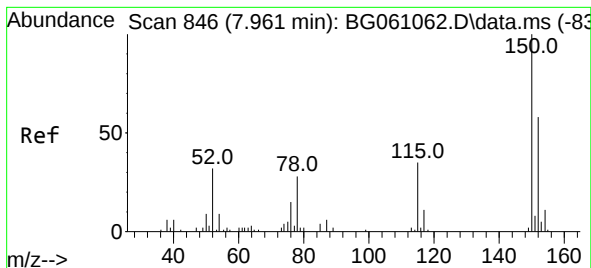
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
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BNA_G
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Quant Time: May 17 13:10:02 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
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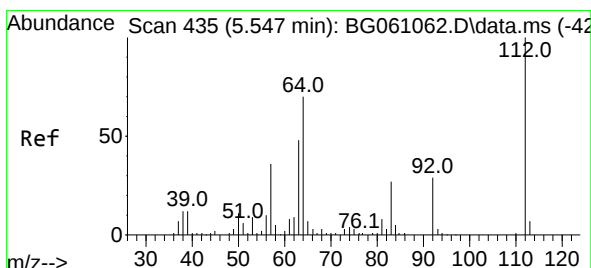
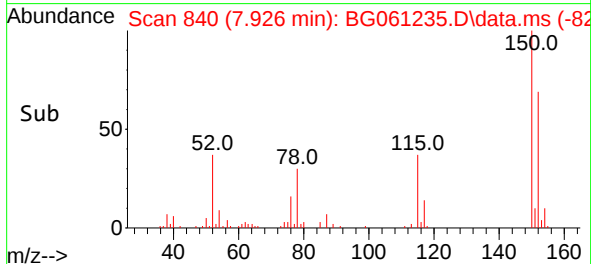
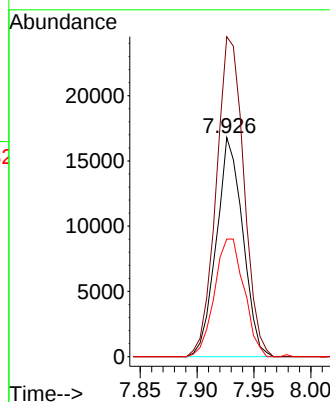
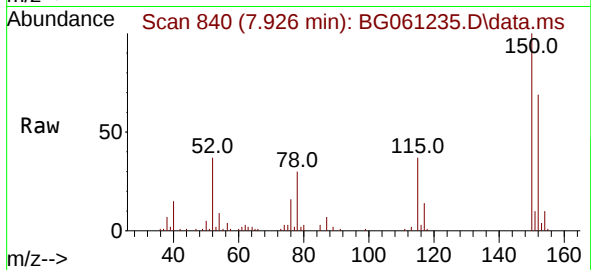




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 846
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

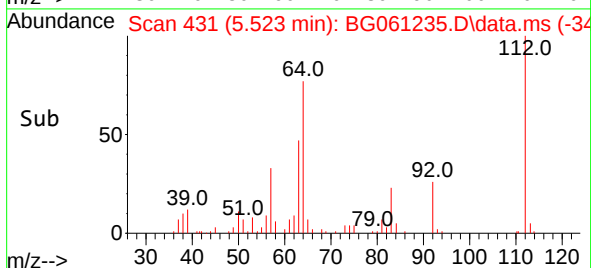
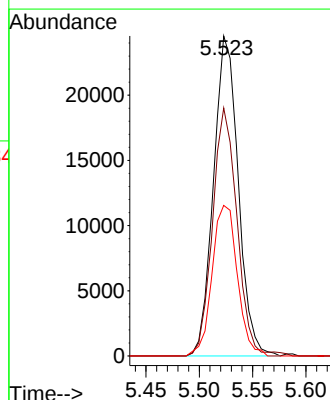
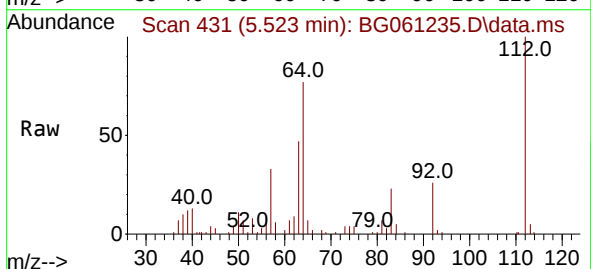
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Tgt Ion:152 Resp: 27155
Ion Ratio Lower Upper
152 100
150 146.0 138.3 207.5
115 53.7 48.0 72.0



#5
2-Fluorophenol
Concen: 29.617 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:112 Resp: 39545
Ion Ratio Lower Upper
112 100
64 77.5 55.7 83.5
63 47.1 38.1 57.1

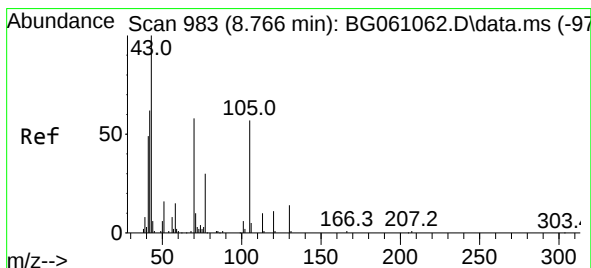
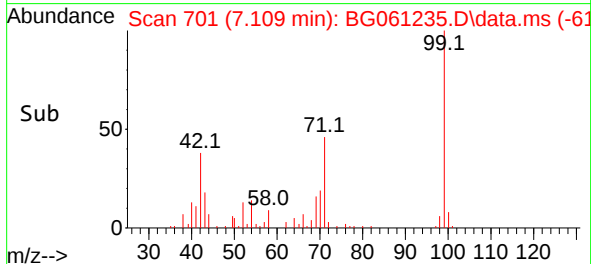
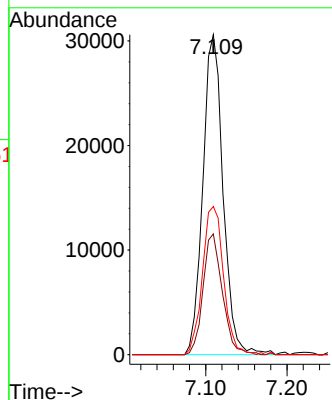
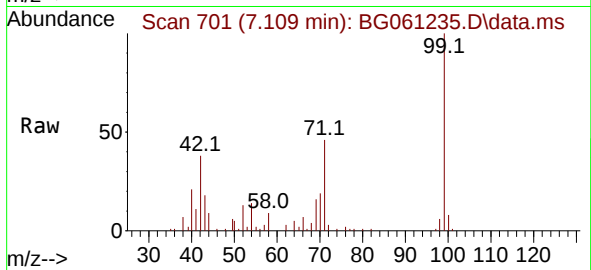




#7
Phenol-d6
Concen: 26.815 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

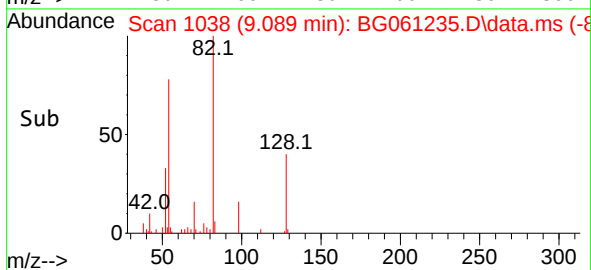
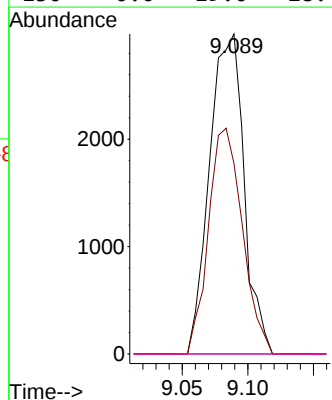
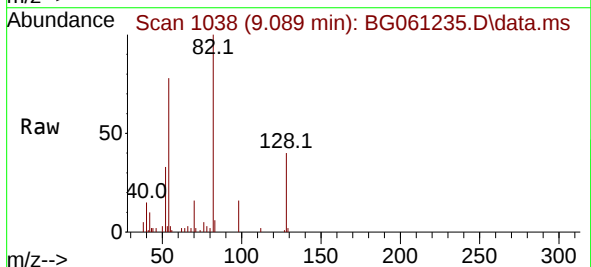
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ClientSampleId :
WC-A-COMP

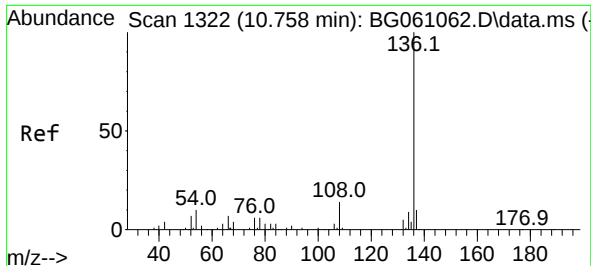
Tgt Ion: 99 Resp: 52965
Ion Ratio Lower Upper
99 100
42 37.7 29.2 43.8
71 46.3 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 3.679 ng
RT: 9.089 min Scan# 1038
Delta R.T. 0.323 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion: 70 Resp: 5438
Ion Ratio Lower Upper
70 100
42 59.5 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

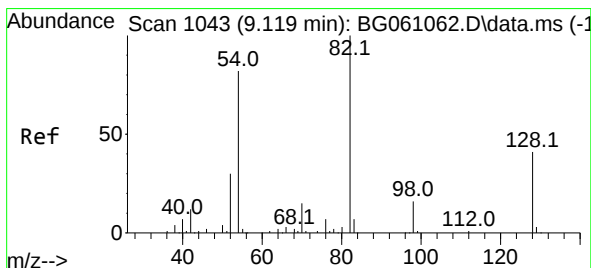
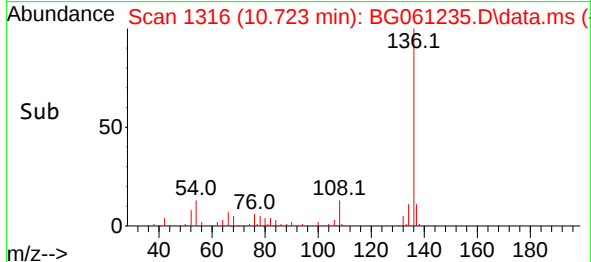
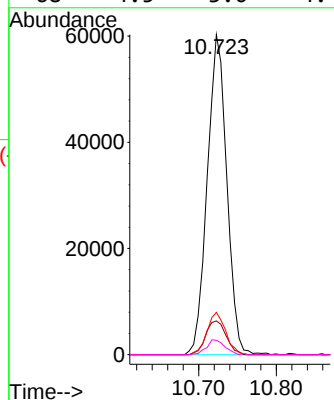
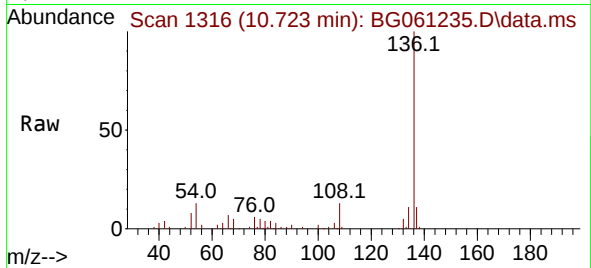




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

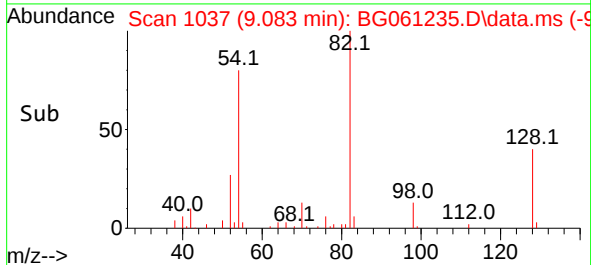
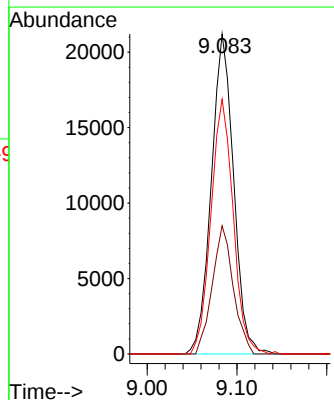
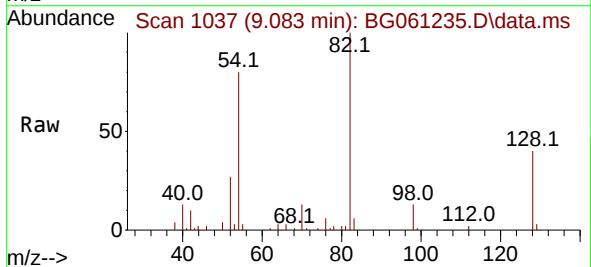
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

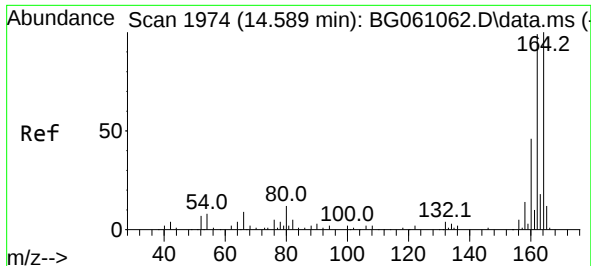
Tgt Ion:136 Resp: 105688
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 13.2 8.1 12.1#
68 4.5 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 17.172 ng
RT: 9.083 min Scan# 1037
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion: 82 Resp: 36610
Ion Ratio Lower Upper
82 100
128 40.0 32.7 49.1
54 79.6 65.6 98.4

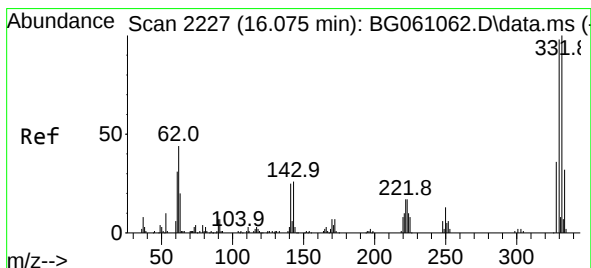
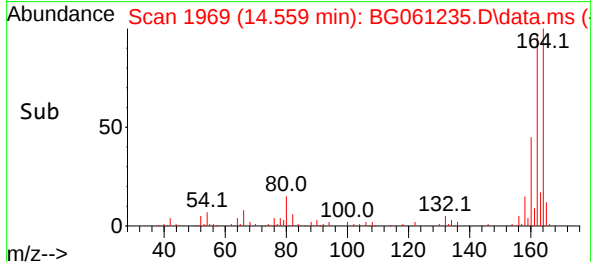
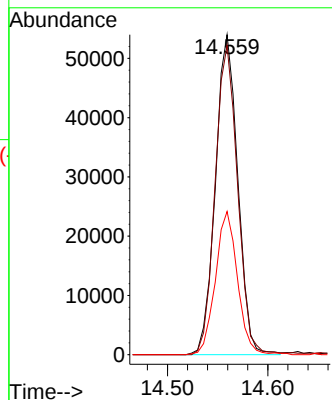
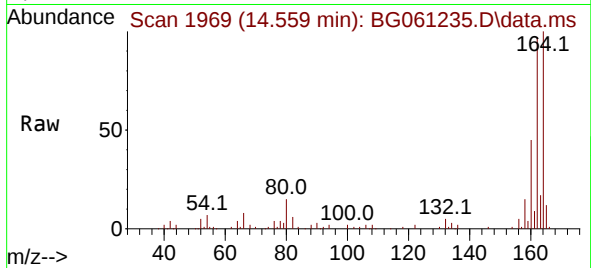




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1974
Delta R.T. -0.030 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

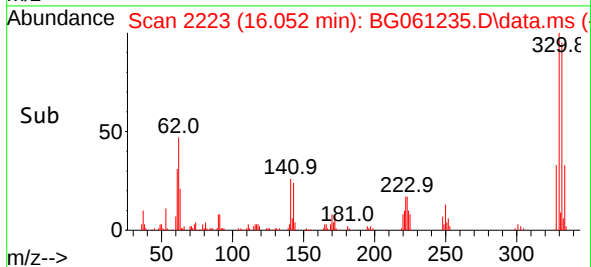
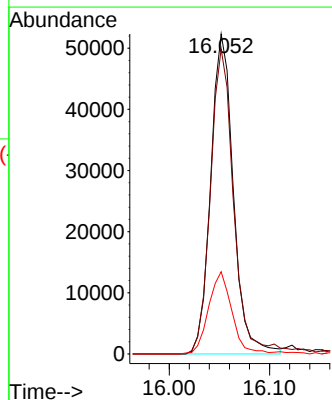
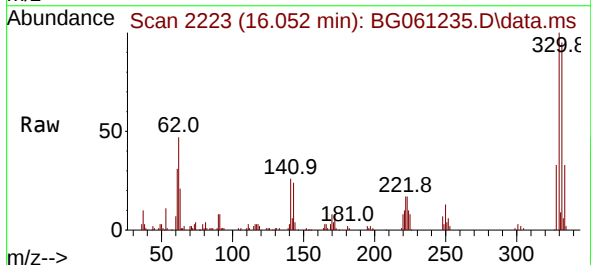
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Tgt Ion:164 Resp: 83471
Ion Ratio Lower Upper
164 100
162 96.6 79.4 119.2
160 44.7 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 49.214 ng
RT: 16.052 min Scan# 2223
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:330 Resp: 82111
Ion Ratio Lower Upper
330 100
332 98.7 78.6 117.8
141 26.4 20.5 30.7

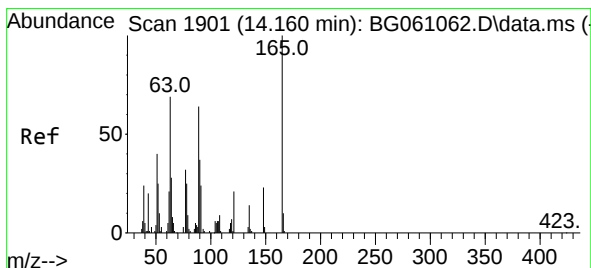
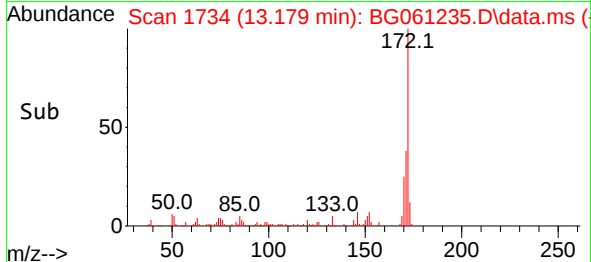
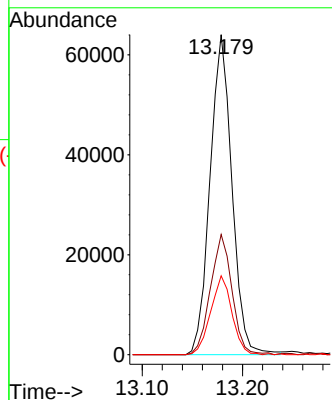
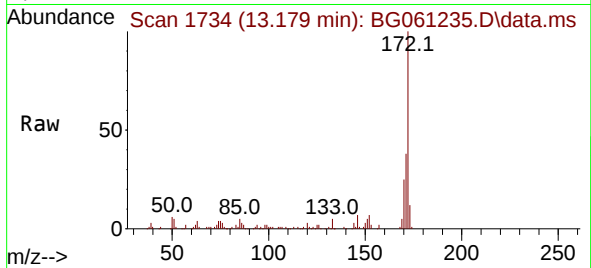




#45
2-Fluorobiphenyl
Concen: 17.194 ng
RT: 13.179 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

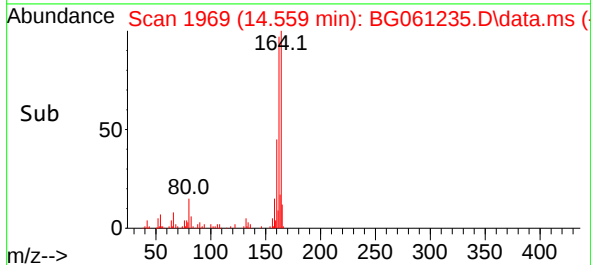
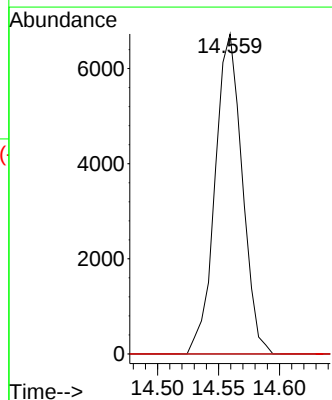
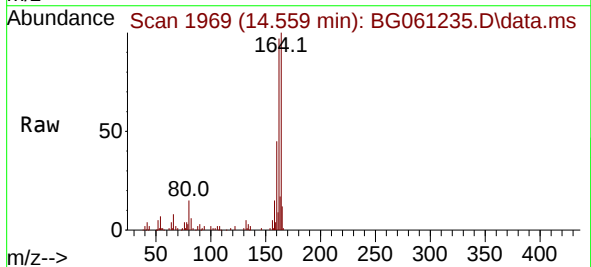
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WC-A-COMP

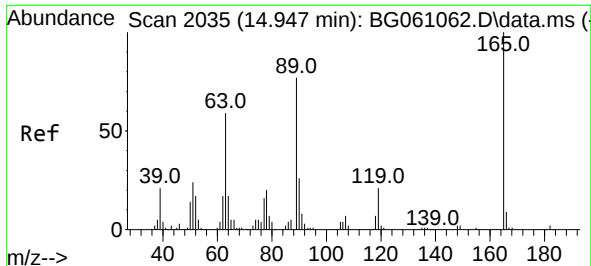
Tgt Ion:172 Resp: 97056
Ion Ratio Lower Upper
172 100
171 37.5 29.0 43.6
170 24.7 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.573 ng
RT: 14.559 min Scan# 1969
Delta R.T. 0.399 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:165 Resp: 10444
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#





#57

2,4-Dinitrotoluene

Concen: 5.119 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.388 min

Lab File: BG061235.D

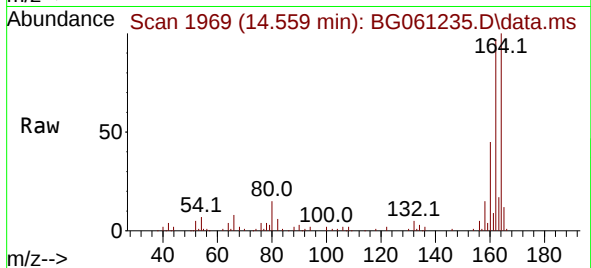
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP



Tgt Ion:165 Resp: 10444

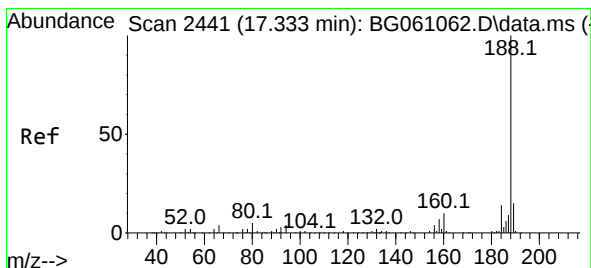
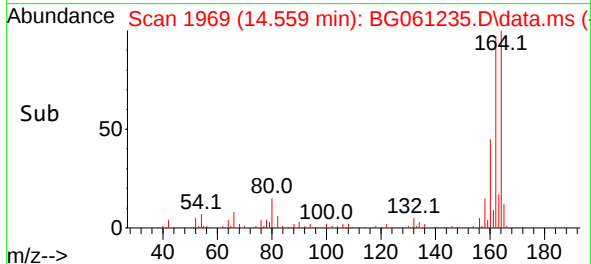
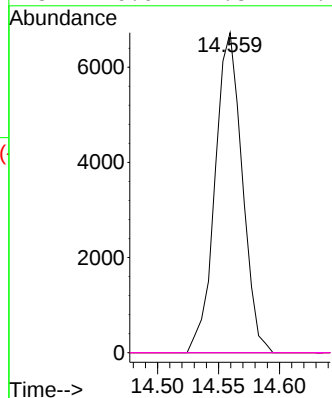
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.309 min Scan# 2437

Delta R.T. -0.024 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

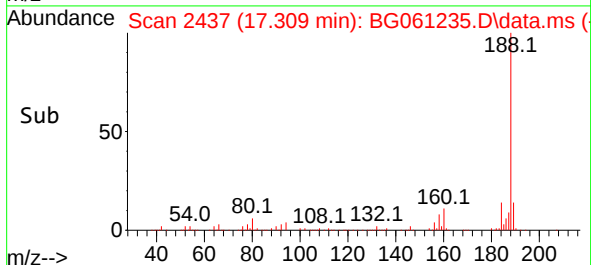
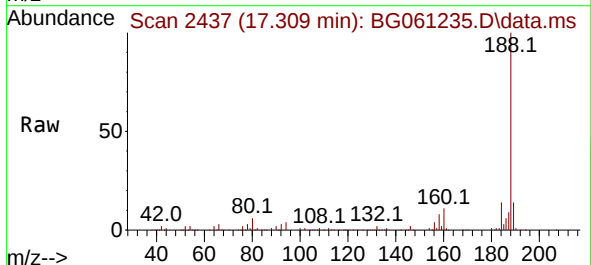
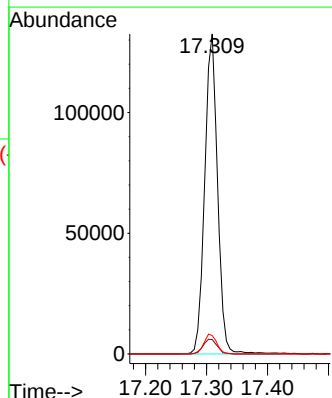
Tgt Ion:188 Resp: 193516

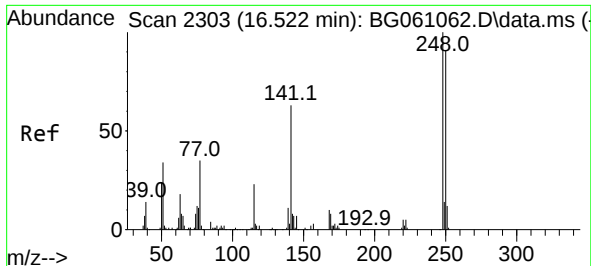
Ion Ratio Lower Upper

188 100

94 4.5 3.6 5.4

80 5.7 4.2 6.2

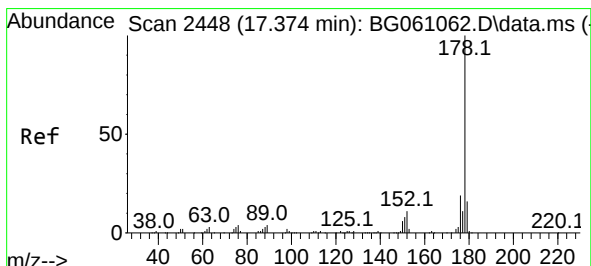
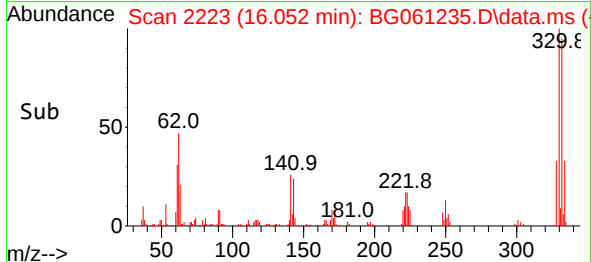
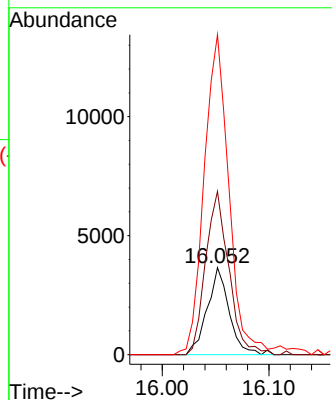
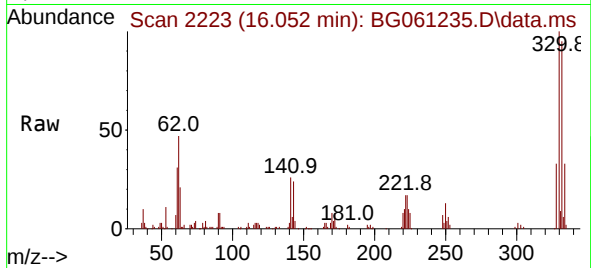




#67
4-Bromophenyl-phenylether
Concen: 2.314 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.470 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

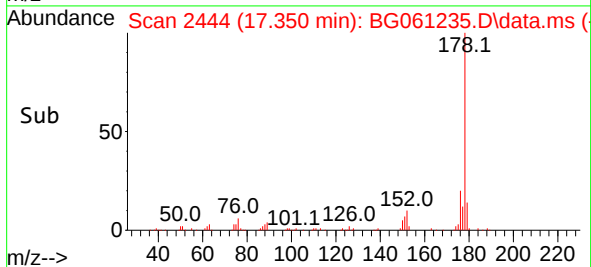
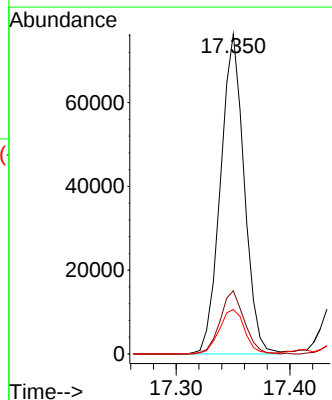
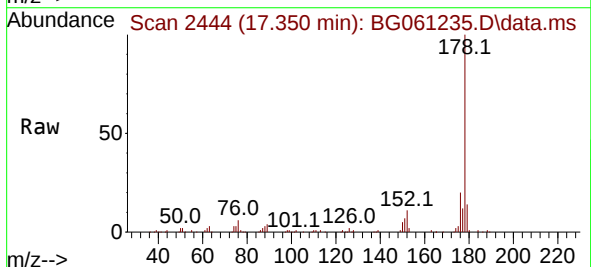
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BNA_G
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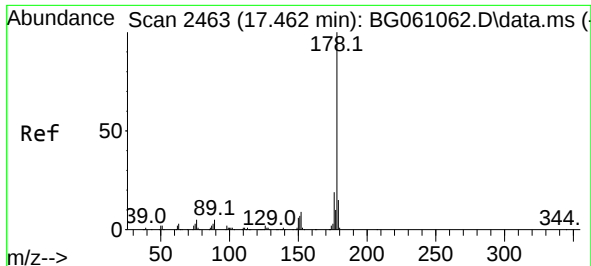
Tgt Ion:248 Resp: 5276
Ion Ratio Lower Upper
248 100
250 187.5 73.0 109.4#
141 367.3 50.8 76.2#



#71
Phenanthrene
Concen: 12.485 ng
RT: 17.350 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:178 Resp: 110471
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 13.9 12.6 19.0

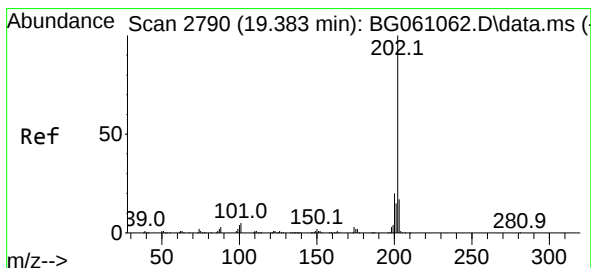
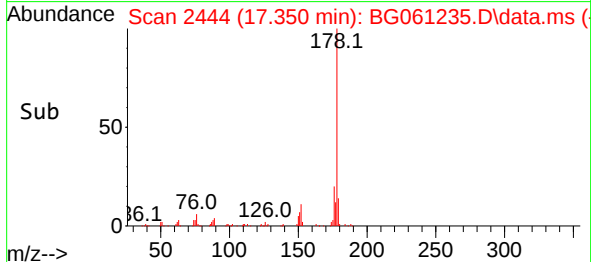
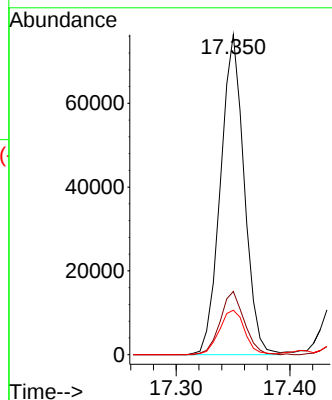
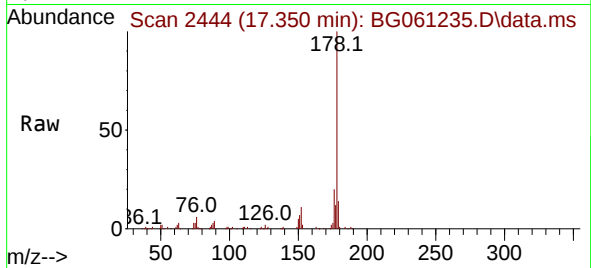




#72
 Anthracene
 Concen: 12.512 ng
 RT: 17.350 min Scan# 2463
 Delta R.T. -0.112 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

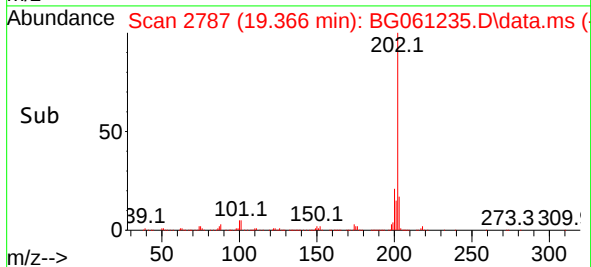
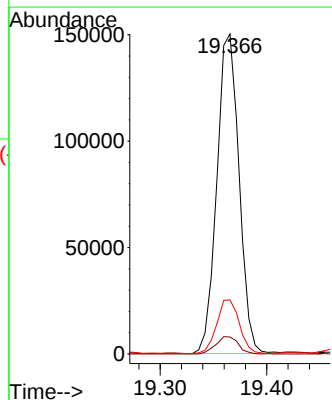
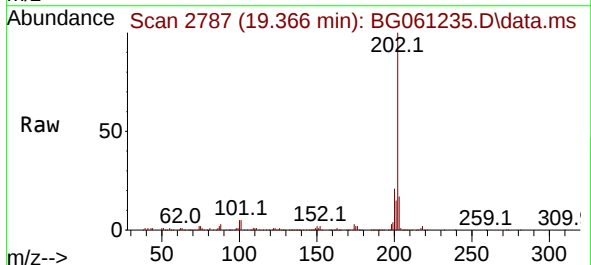
Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

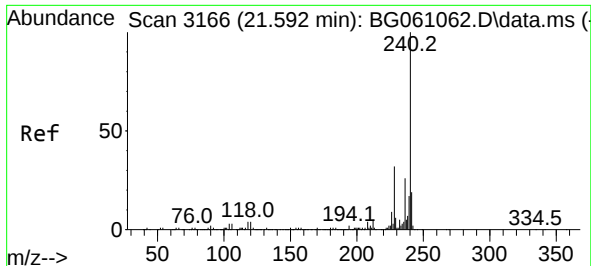
Tgt Ion:178 Resp: 110471
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 13.9 12.0 18.0



#75
 Fluoranthene
 Concen: 17.886 ng
 RT: 19.366 min Scan# 2787
 Delta R.T. -0.018 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

Tgt Ion:202 Resp: 216813
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 16.9 0.0 37.1

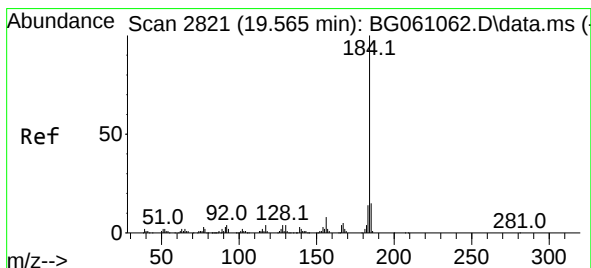
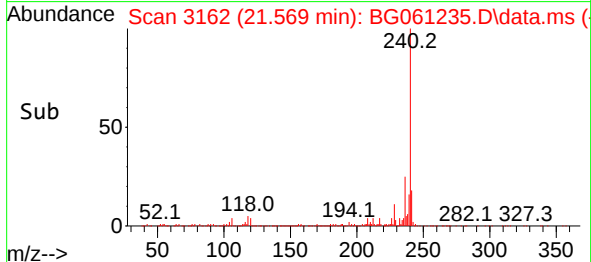
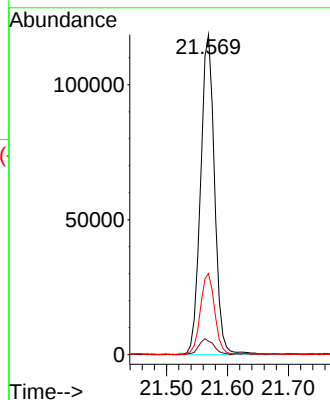
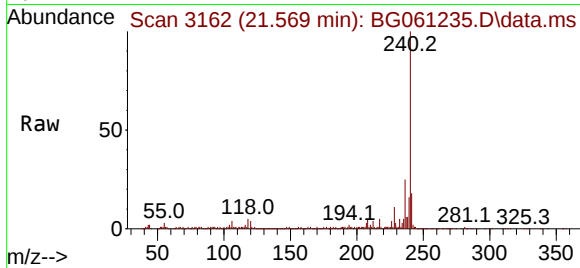




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

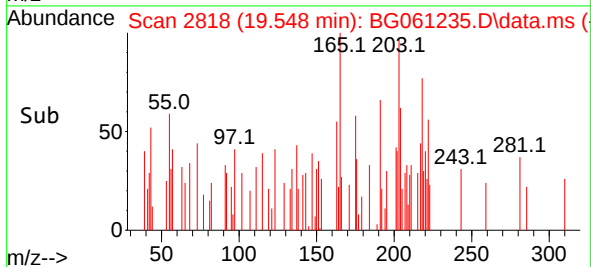
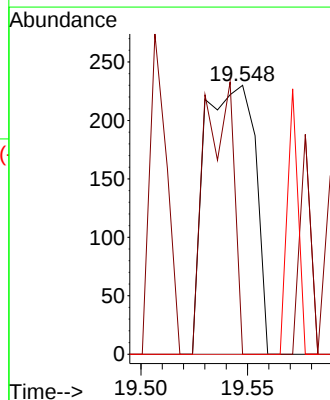
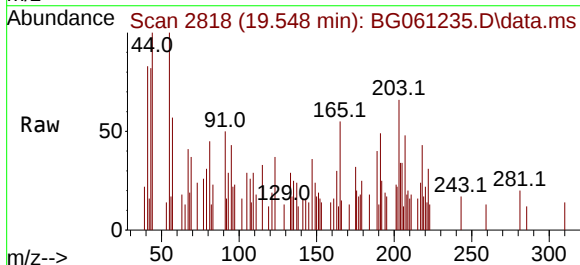
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

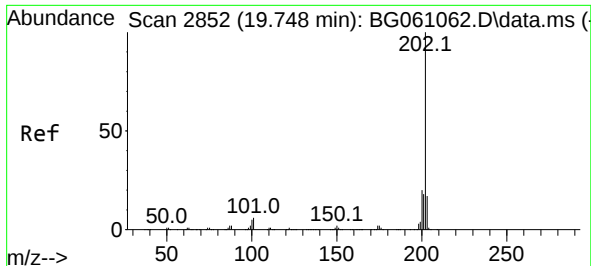
Tgt Ion:240 Resp: 189653
Ion Ratio Lower Upper
240 100
120 4.2 3.2 4.8
236 25.4 21.0 31.6



#77
Benzidine
Concen: 2.894 ng
RT: 19.548 min Scan# 2818
Delta R.T. -0.017 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:184 Resp: 376
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#

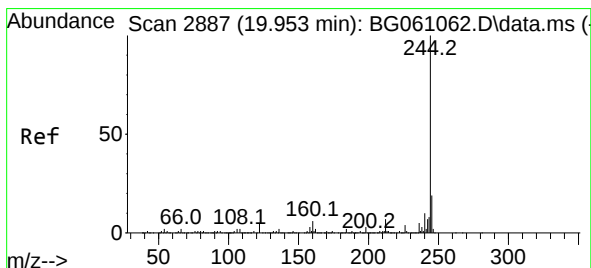
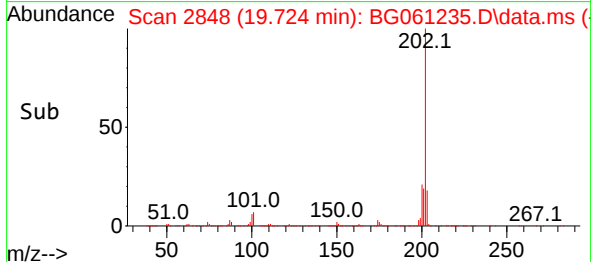
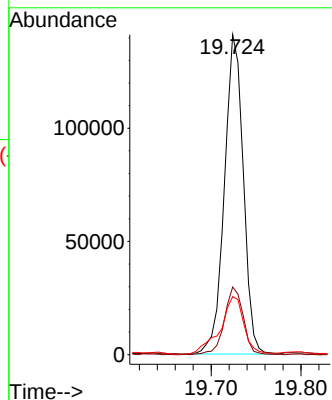
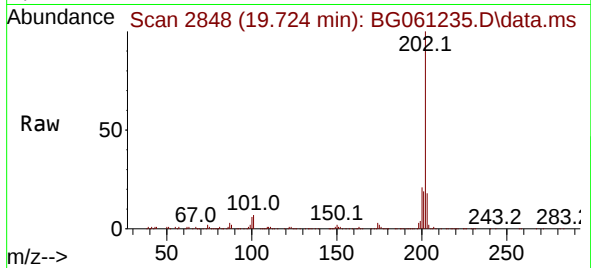




#78
 Pyrene
 Concen: 17.128 ng
 RT: 19.724 min Scan# 2848
 Delta R.T. -0.024 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

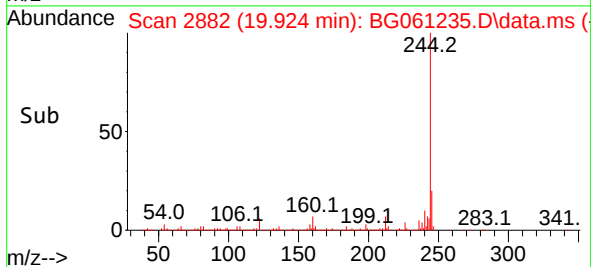
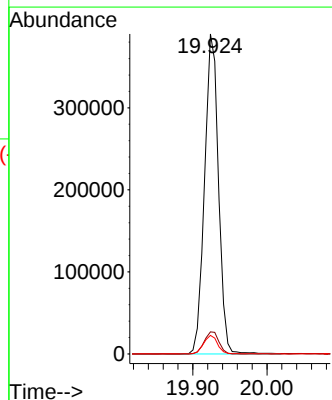
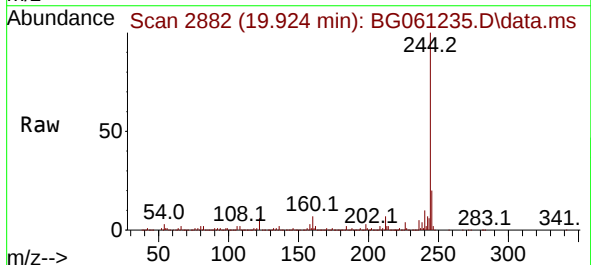
Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

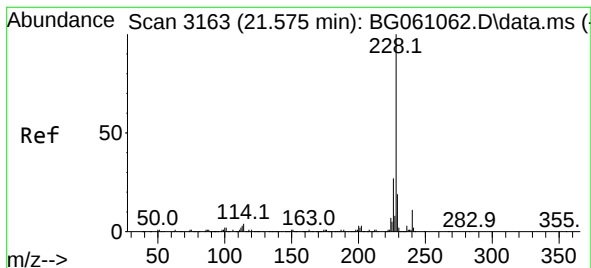
Tgt Ion:202 Resp: 206517
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.2 24.4
 203 18.1 13.3 19.9



#79
 Terphenyl-d14
 Concen: 44.697 ng
 RT: 19.924 min Scan# 2882
 Delta R.T. -0.029 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

Tgt Ion:244 Resp: 509688
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 5.8 4.2 6.2





#81

Benzo(a)anthracene

Concen: 9.263 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.024 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

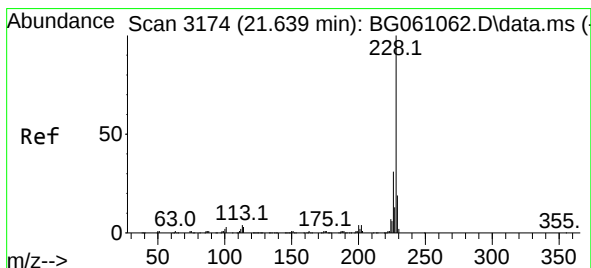
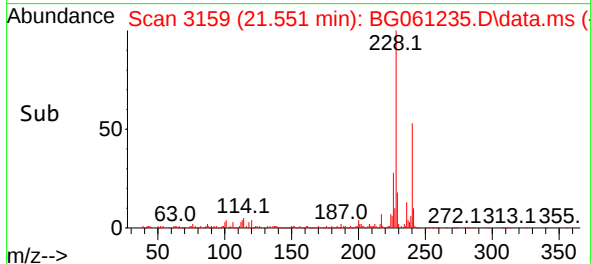
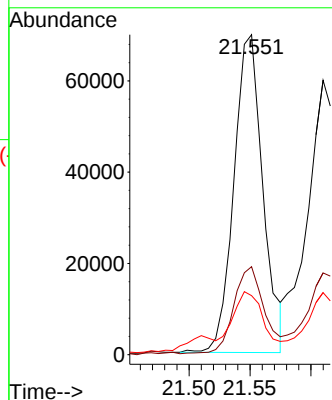
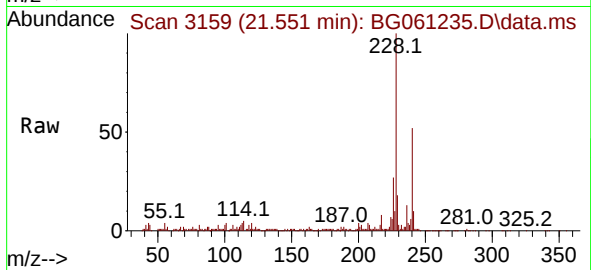
Tgt Ion:228 Resp: 114960

Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

229 18.4 15.0 22.4



#83

Chrysene

Concen: 9.887 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.088 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

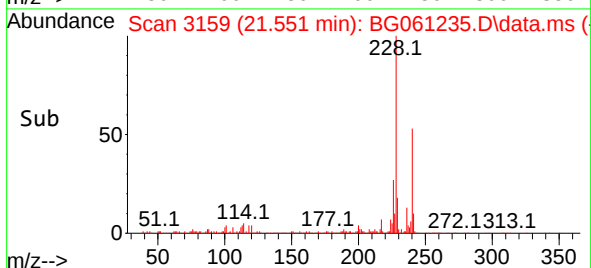
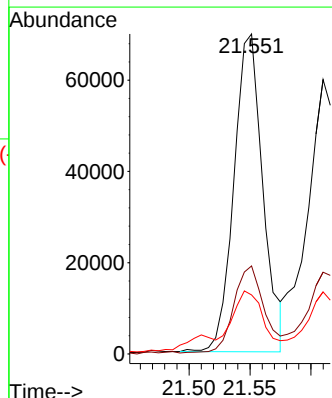
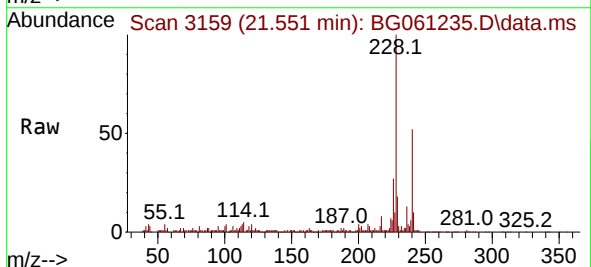
Tgt Ion:228 Resp: 114960

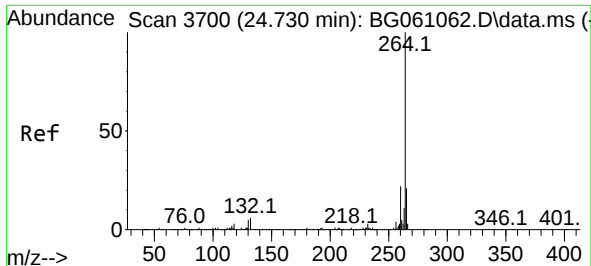
Ion Ratio Lower Upper

228 100

226 27.5 24.4 36.6

229 18.4 14.8 22.2

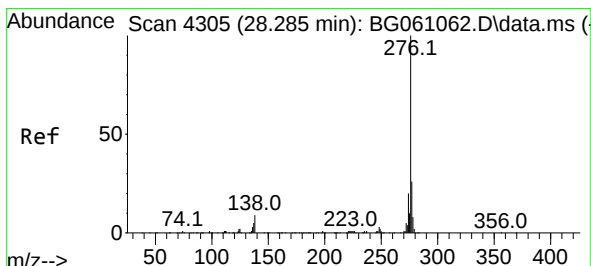
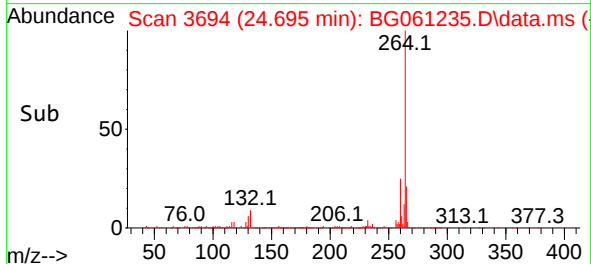
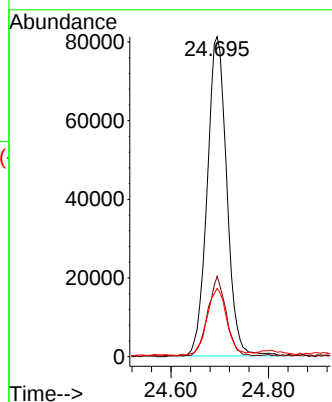
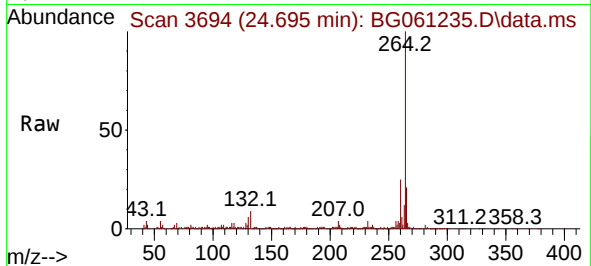




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.695 min Scan# 30
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

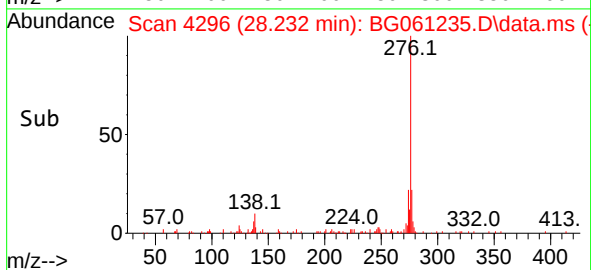
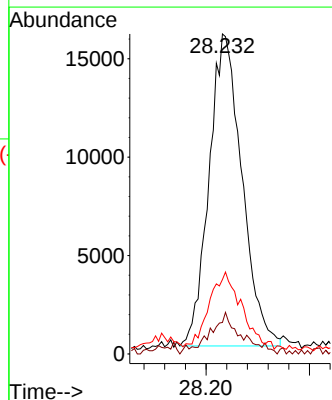
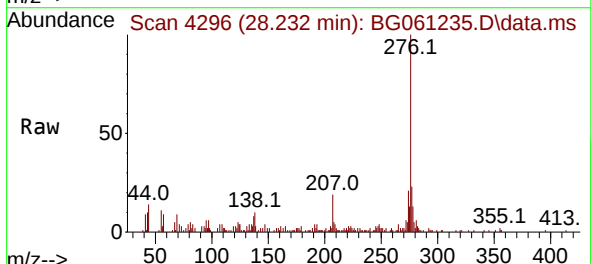
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

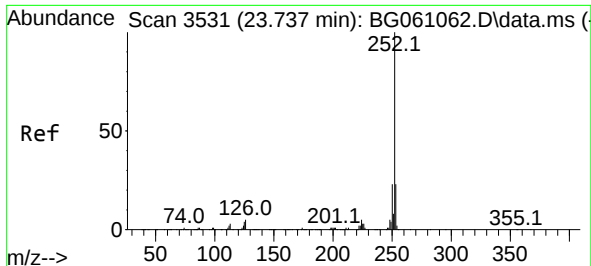
Tgt Ion:264 Resp: 226336
Ion Ratio Lower Upper
264 100
260 25.1 17.7 26.5
265 21.4 16.4 24.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.670 ng
RT: 28.232 min Scan# 4296
Delta R.T. -0.053 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:276 Resp: 70049
Ion Ratio Lower Upper
276 100
138 11.7 5.1 7.7#
277 21.5 20.6 30.8

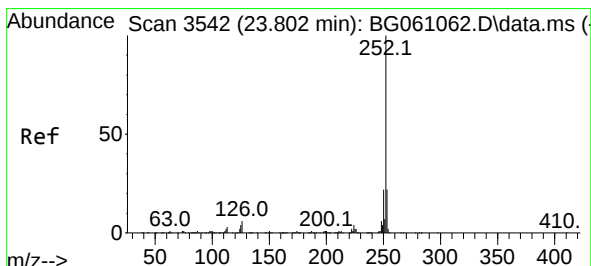
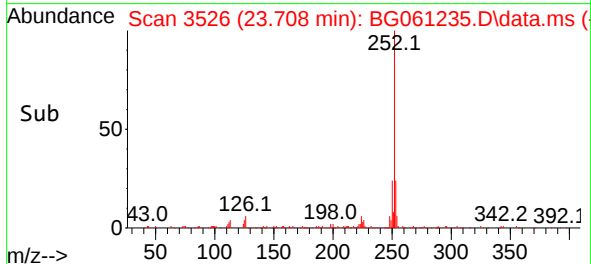
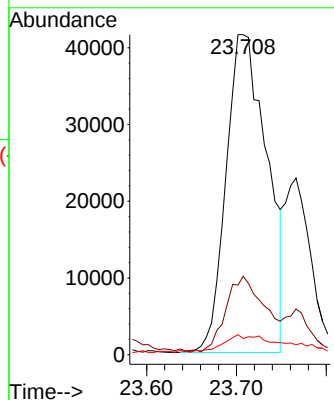
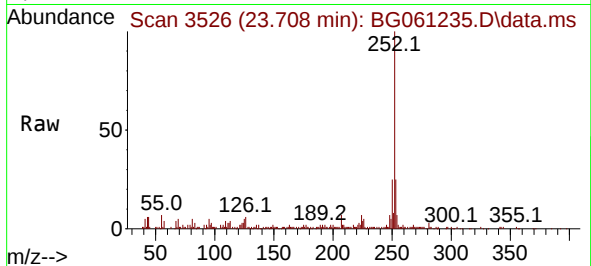




#88
Benzo(b)fluoranthene
Concen: 10.377 ng
RT: 23.708 min Scan# 3526
Delta R.T. -0.029 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

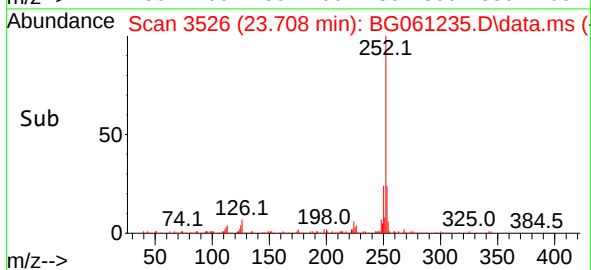
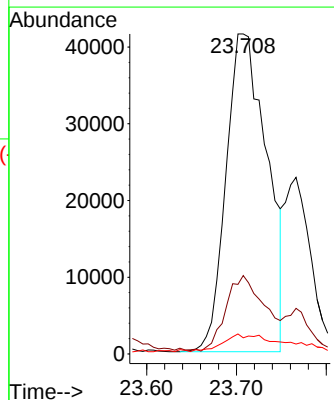
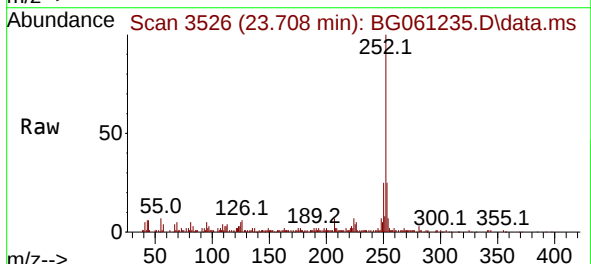
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

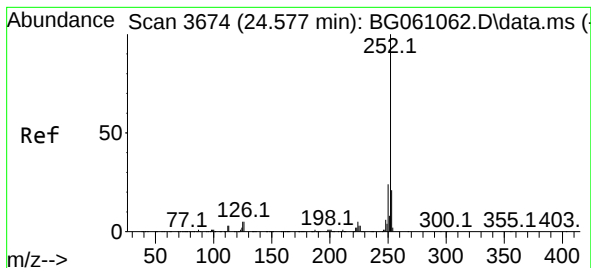
Tgt Ion:252 Resp: 131249
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 5.0 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 10.787 ng
RT: 23.708 min Scan# 3526
Delta R.T. -0.094 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:252 Resp: 131249
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 5.0 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 8.929 ng

RT: 24.548 min Scan# 3

Delta R.T. -0.030 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

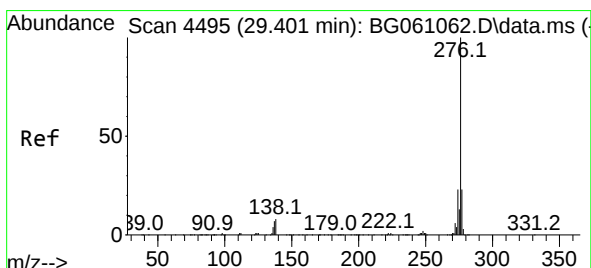
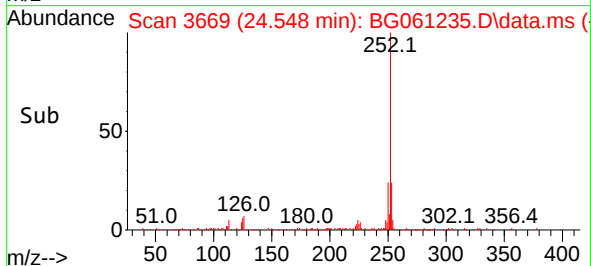
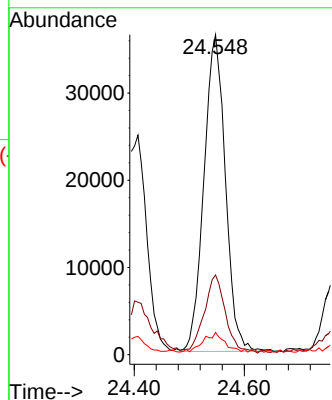
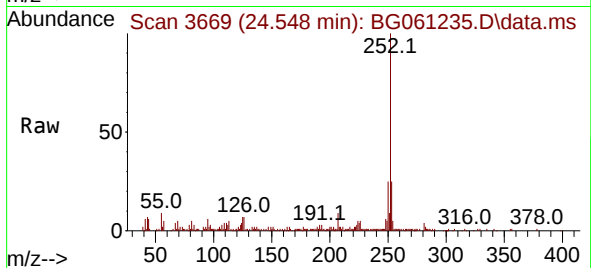
Tgt Ion:252 Resp: 98390

Ion Ratio Lower Upper

252 100

253 24.9 16.9 25.3

125 7.0 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 5.886 ng

RT: 29.342 min Scan# 4485

Delta R.T. -0.059 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Tgt Ion:276 Resp: 72660

Ion Ratio Lower Upper

276 100

277 21.0 18.2 27.4

138 9.6 6.2 9.2#

