

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064159.D
 Acq On : 2 Apr 2025 19:04
 Operator : RC/JU
 Sample : Q1685-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-040125

Quant Time: Apr 03 01:20:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

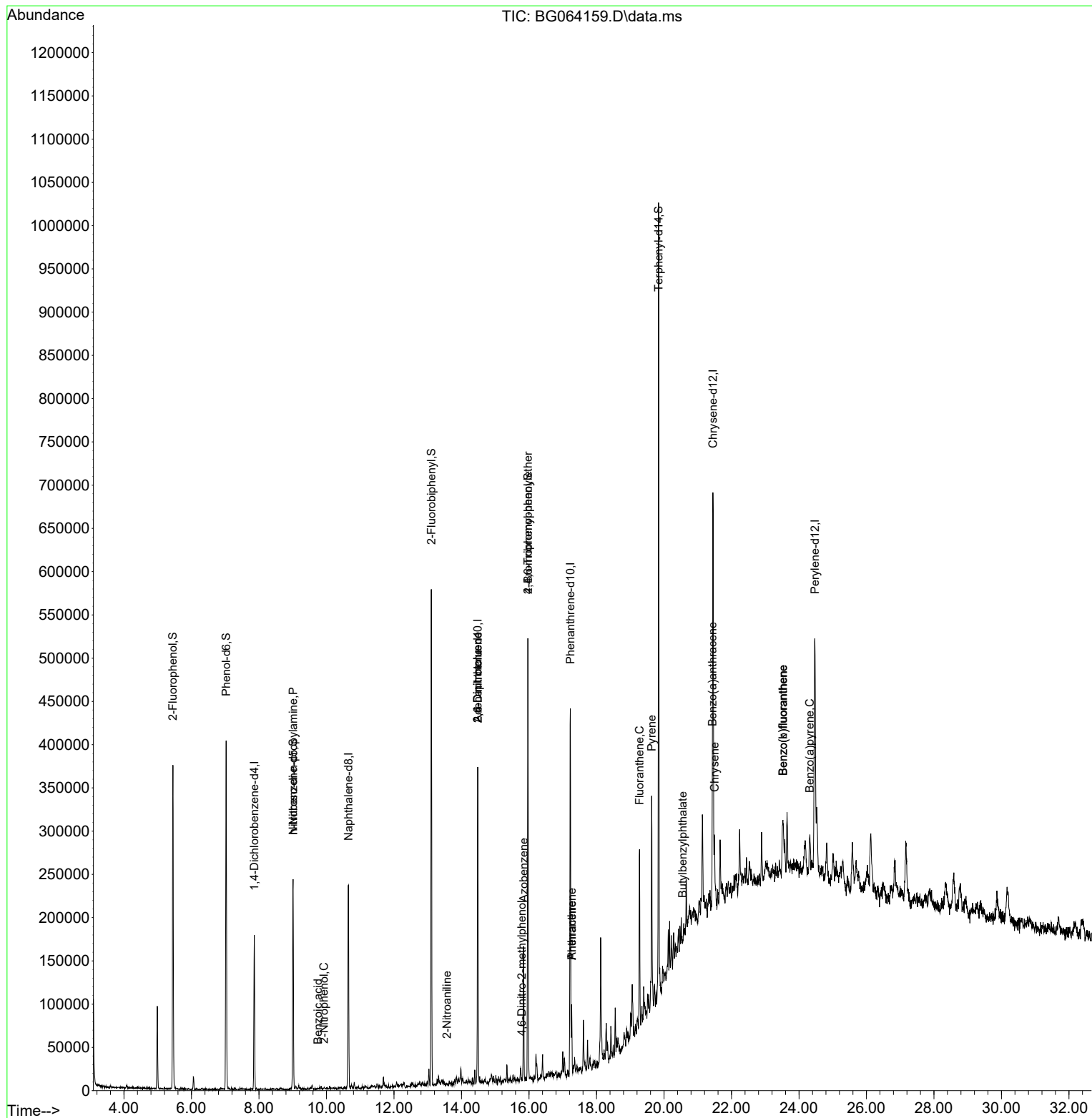
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.860	152	41053	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	179922	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	118520	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	252593	20.000	ng	# 0.00
76) Chrysene-d12	21.450	240	256965	20.000	ng	-0.01
86) Perylene-d12	24.470	264	285375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	148129	56.341	ng	0.00
7) Phenol-d6	7.025	99	187229	52.347	ng	0.00
23) Nitrobenzene-d5	9.011	82	128738	39.541	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	85564	64.948	ng	0.00
45) 2-Fluorobiphenyl	13.107	172	271549	34.777	ng	-0.01
79) Terphenyl-d14	19.840	244	398788	31.380	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.011	70	17871	7.120	ng	# 68
26) 2-Nitrophenol	9.928	139	102	3.380	ng	# 26
32) Benzoic acid	9.746	122	63	8.718	ng	# 1
48) 2-Nitroaniline	13.571	65	57	3.242	ng	# 11
51) 2,6-Dinitrotoluene	14.481	165	17127	12.332	ng	# 20
57) 2,4-Dinitrotoluene	14.481	165	17127	10.108	ng	# 20
63) Azobenzene	15.839	77	42620	4.205	ng	# 21
65) 4,6-Dinitro-2-methylph...	15.786	198	58	8.223	ng	# 6
67) 4-Bromophenyl-phenylether	15.968	248	6287	2.430	ng	# 1
71) Phenanthrene	17.266	178	44747	3.321	ng	95
72) Anthracene	17.266	178	44747	3.340	ng	96
75) Fluoranthene	19.276	202	120742	7.434	ng	97
78) Pyrene	19.634	202	114704	6.925	ng	99
80) Butylbenzylphthalate	20.557	149	458	3.706	ng	# 41
81) Benzo(a)anthracene	21.432	228	55438	3.368	ng	# 95
83) Chrysene	21.497	228	55618	3.388	ng	# 93
88) Benzo(b)fluoranthene	23.524	252	65540	3.799	ng	# 89
89) Benzo(k)fluoranthene	23.524	252	65540	3.787	ng	# 88
90) Benzo(a)pyrene	24.317	252	50708	3.300	ng	# 82

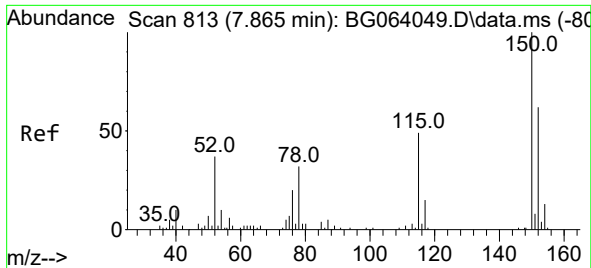
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064159.D
Acq On : 2 Apr 2025 19:04
Operator : RC/JU
Sample : Q1685-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Quant Time: Apr 03 01:20:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

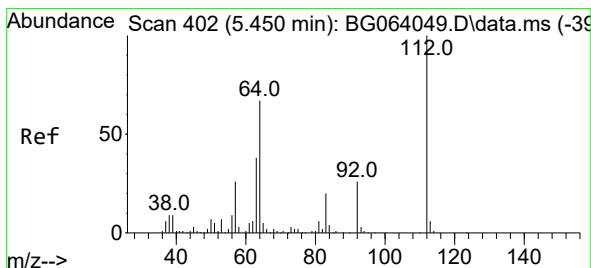
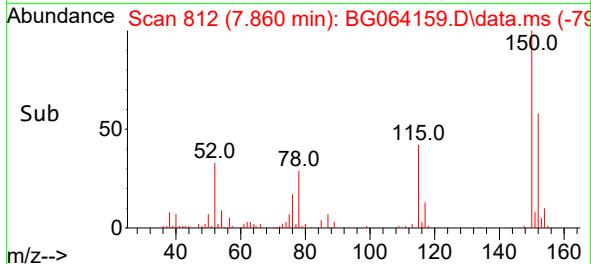
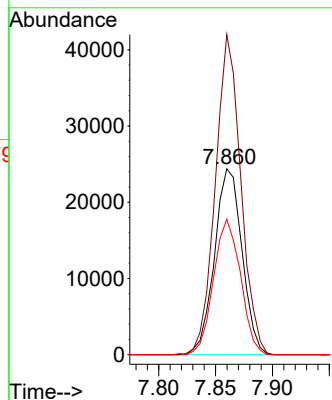
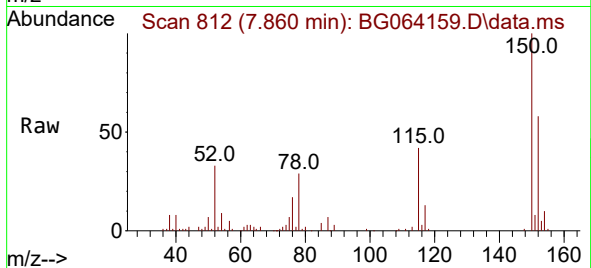




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.860 min Scan# 813
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

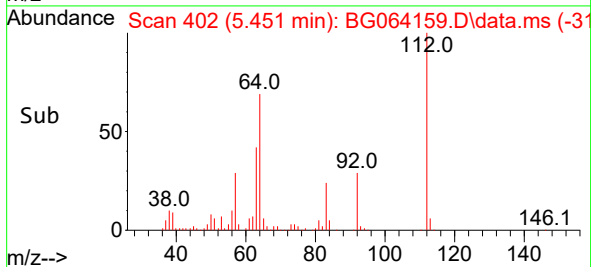
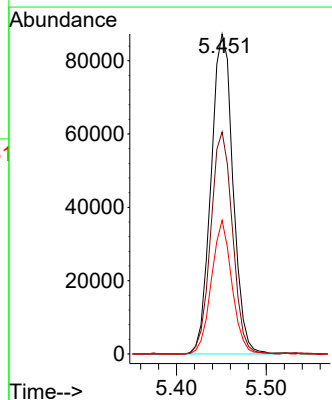
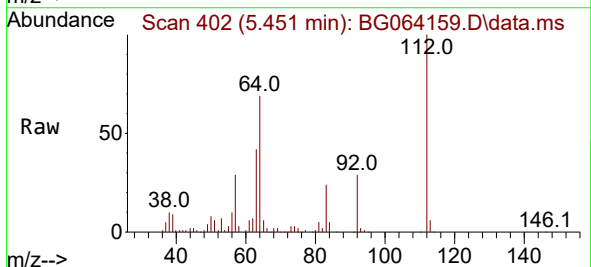
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

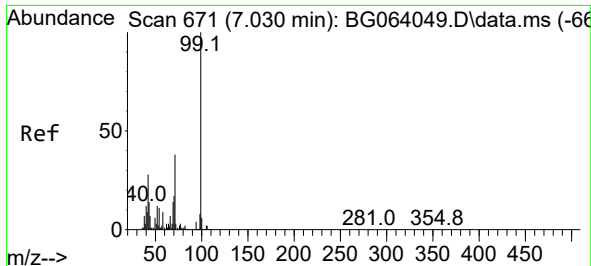
Tgt Ion:152 Resp: 41053
Ion Ratio Lower Upper
152 100
150 172.1 129.2 193.8
115 72.9 63.0 94.6



#5
2-Fluorophenol
Concen: 56.341 ng
RT: 5.451 min Scan# 402
Delta R.T. 0.001 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:112 Resp: 148129
Ion Ratio Lower Upper
112 100
64 69.4 53.7 80.5
63 41.7 30.2 45.4

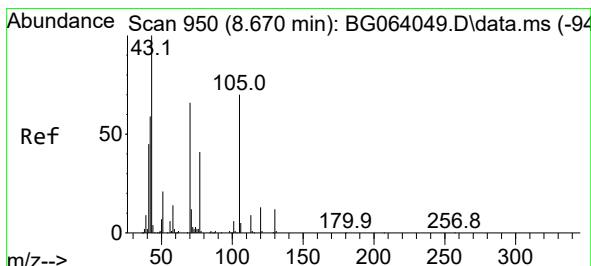
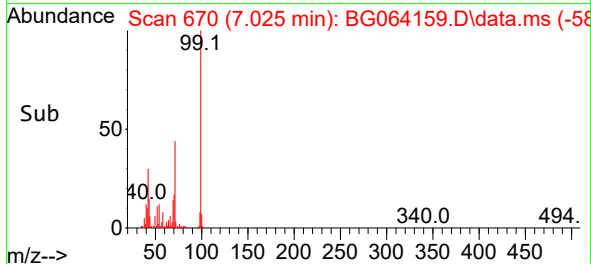
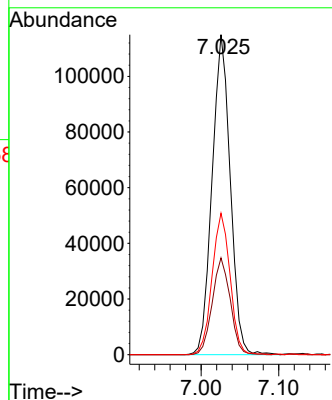
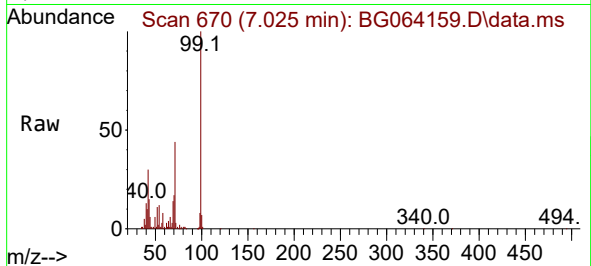




#7
Phenol-d6
Concen: 52.347 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

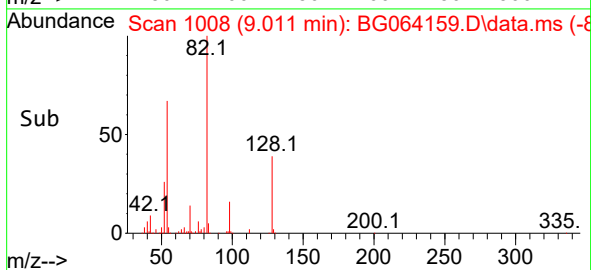
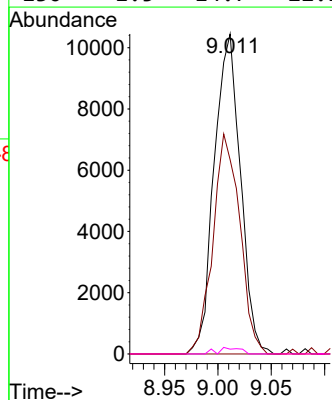
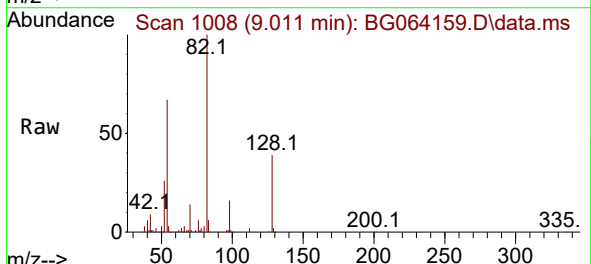
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

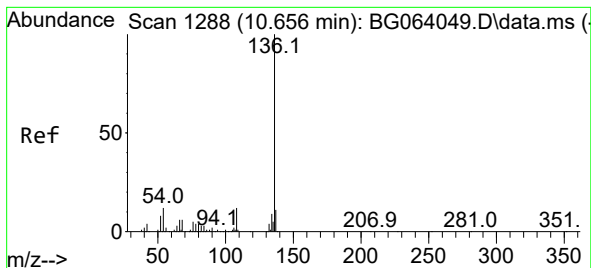
Tgt Ion: 99 Resp: 187229
Ion Ratio Lower Upper
99 100
42 30.2 22.7 34.1
71 44.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.120 ng
RT: 9.011 min Scan# 1008
Delta R.T. 0.342 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion: 70 Resp: 17871
Ion Ratio Lower Upper
70 100
42 60.7 72.1 108.1#
101 0.0 7.2 10.8#
130 1.5 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.651 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

Instrument :

BNA_G

ClientSampleId :

HR-02-040125

Tgt Ion:136 Resp: 179922

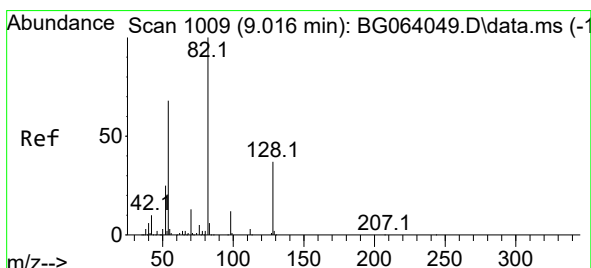
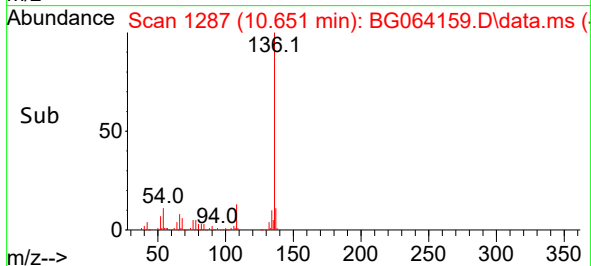
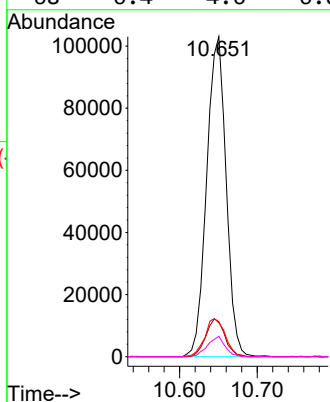
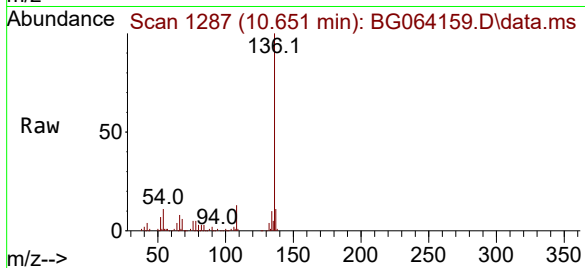
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.6 9.9 14.9

68 6.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 39.541 ng

RT: 9.011 min Scan# 1008

Delta R.T. -0.005 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

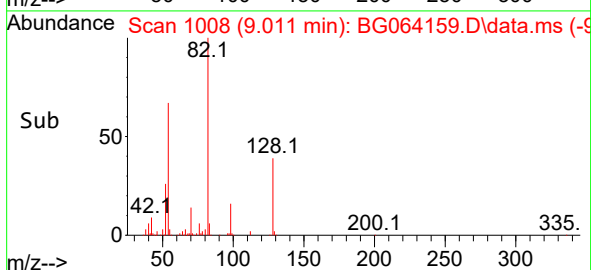
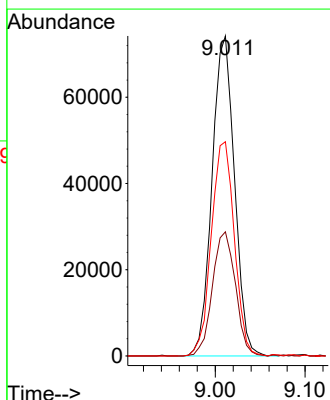
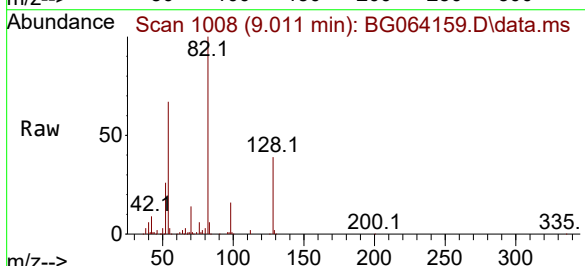
Tgt Ion: 82 Resp: 128738

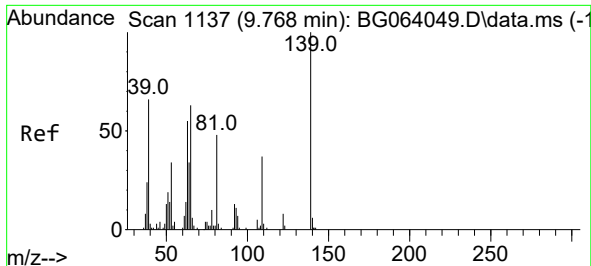
Ion Ratio Lower Upper

82 100

128 38.8 30.0 45.0

54 67.0 54.7 82.1

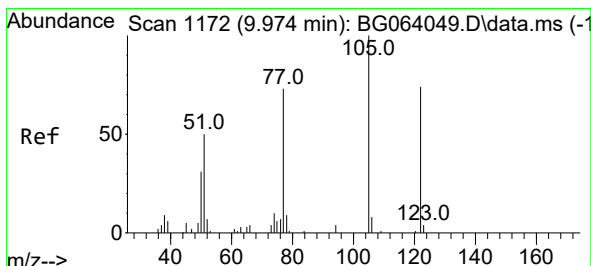
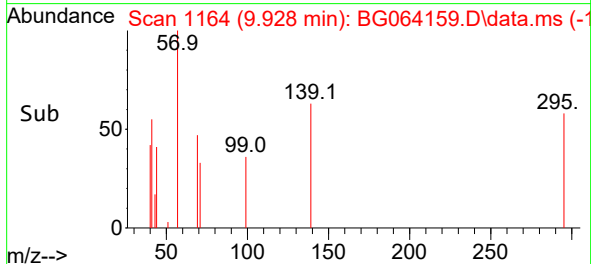
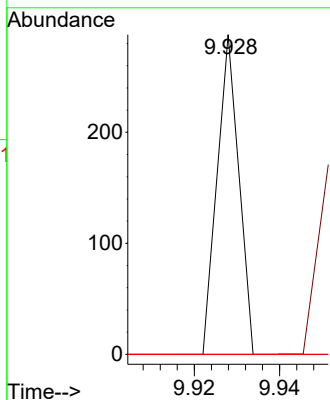
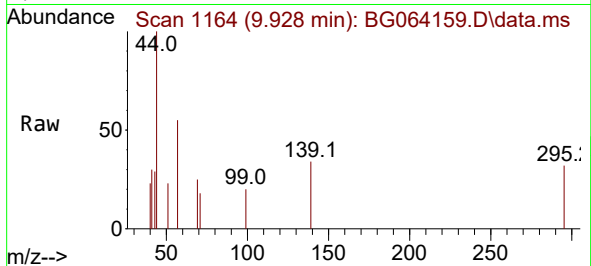




#26
2-Nitrophenol
Concen: 3.380 ng
RT: 9.928 min Scan# 1164
Delta R.T. 0.160 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

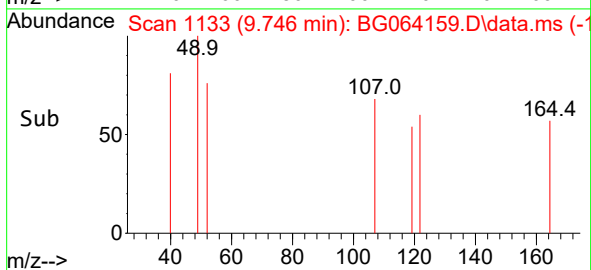
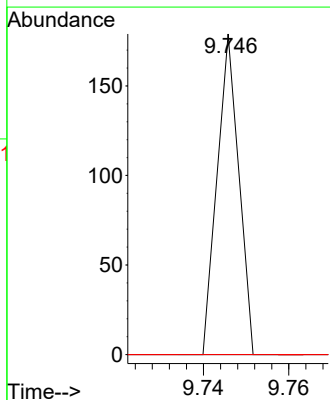
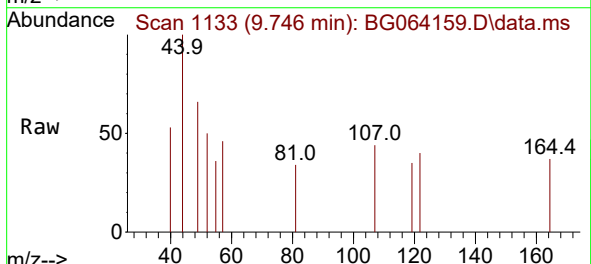
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

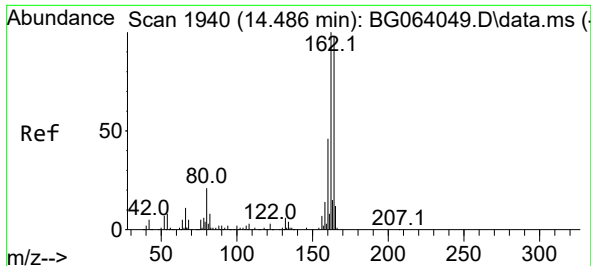
Tgt Ion:139 Resp: 102
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.718 ng
RT: 9.746 min Scan# 1133
Delta R.T. -0.228 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#

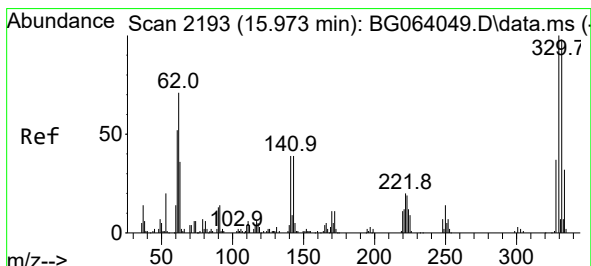
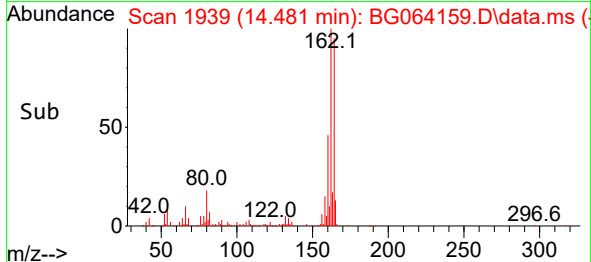
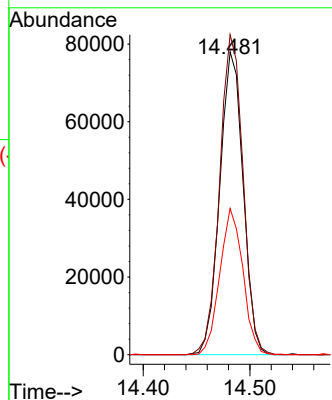
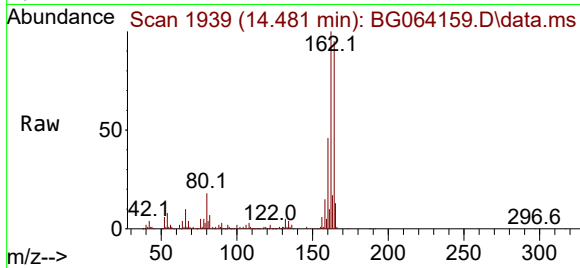




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

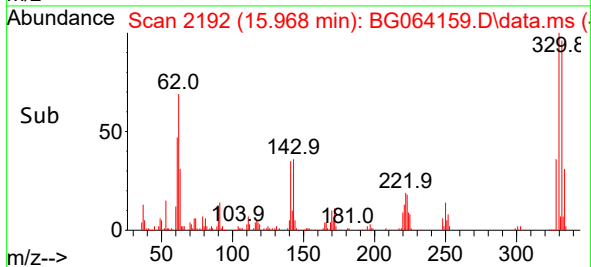
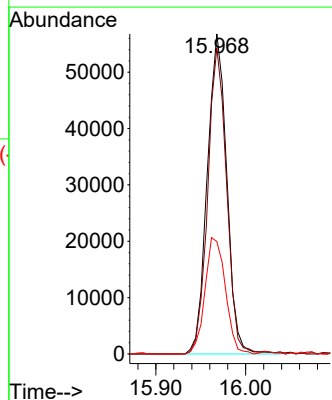
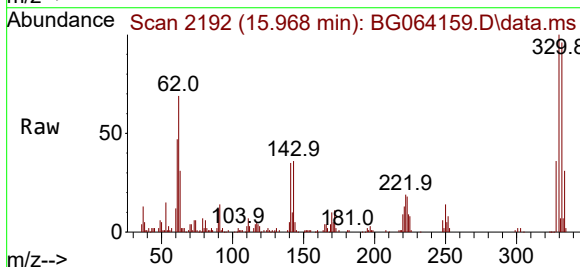
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

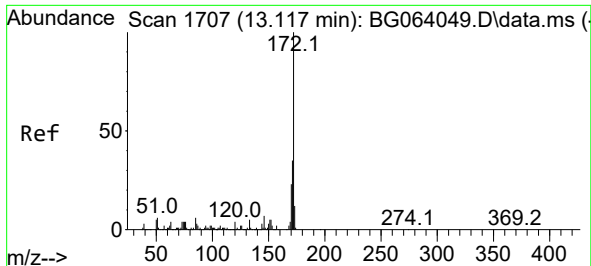
Tgt Ion:164 Resp: 118520
Ion Ratio Lower Upper
164 100
162 105.6 81.4 122.0
160 48.3 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 64.948 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:330 Resp: 85564
Ion Ratio Lower Upper
330 100
332 92.6 76.7 115.1
141 38.0 29.7 44.5

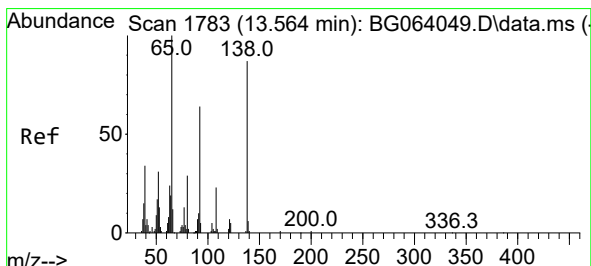
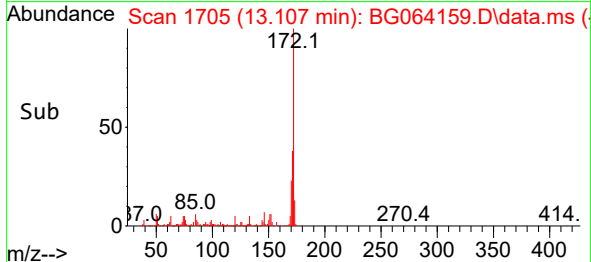
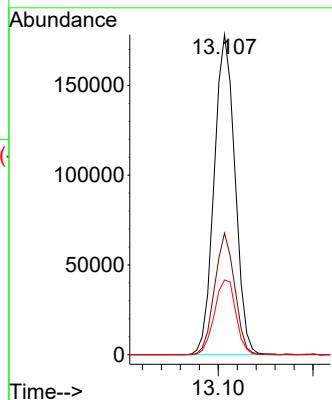
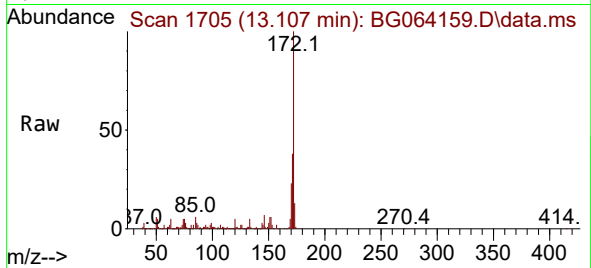




#45
2-Fluorobiphenyl
Concen: 34.777 ng
RT: 13.107 min Scan# 1707
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

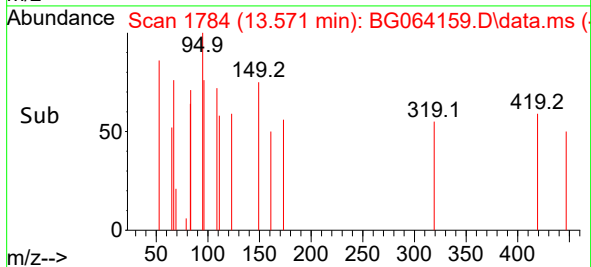
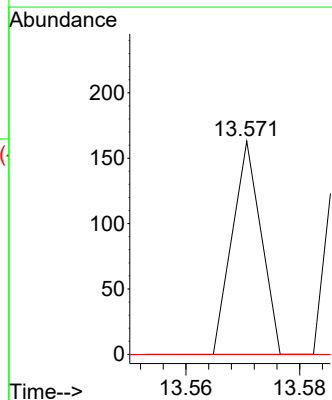
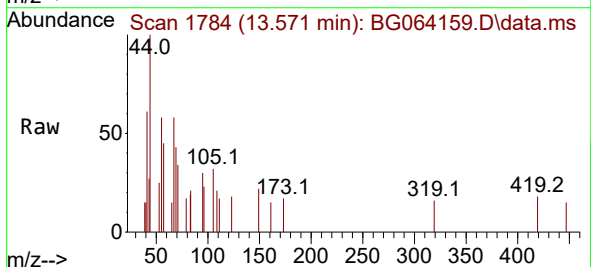
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

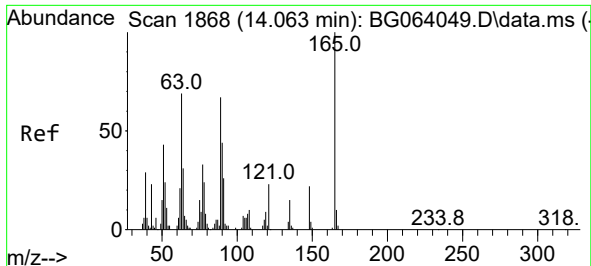
Tgt Ion:172 Resp: 271549
Ion Ratio Lower Upper
172 100
171 38.0 28.0 42.0
170 23.4 18.7 28.1



#48
2-Nitroaniline
Concen: 3.242 ng
RT: 13.571 min Scan# 1784
Delta R.T. 0.007 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#

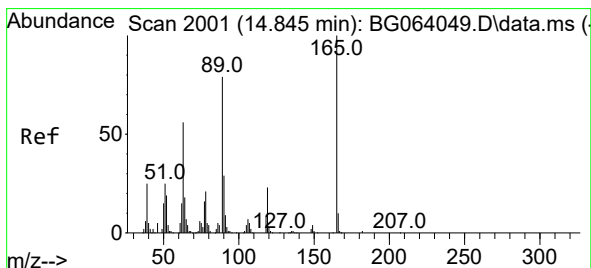
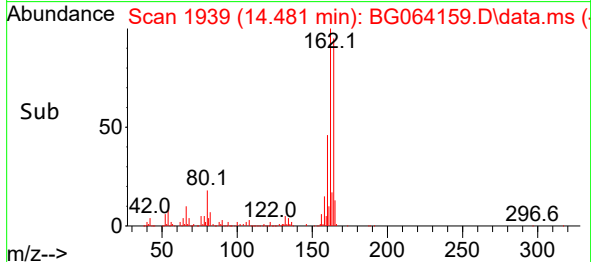
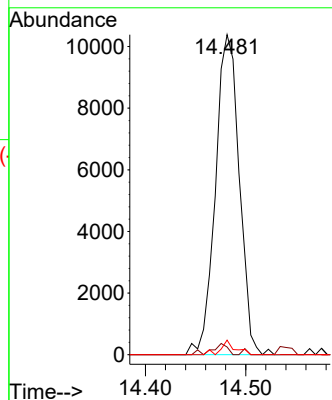
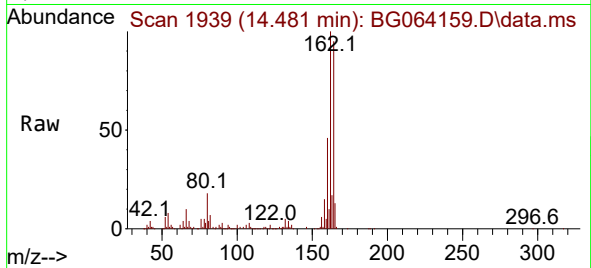




#51
2,6-Dinitrotoluene
Concen: 12.332 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.418 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

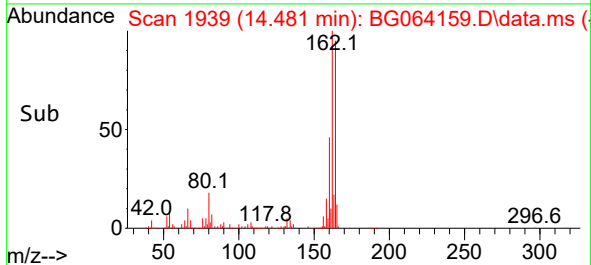
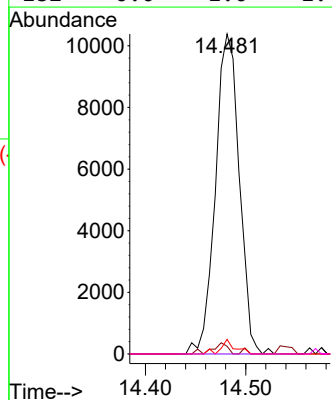
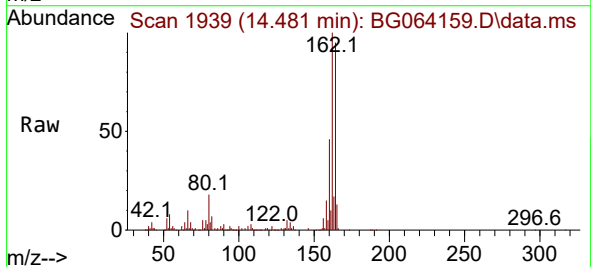
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

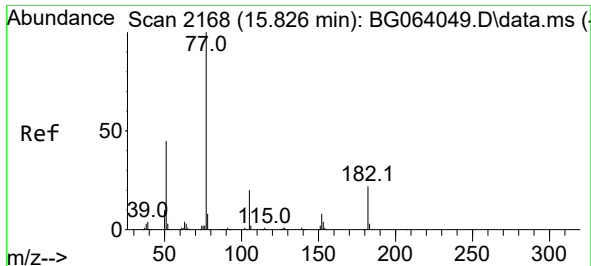
Tgt Ion:165 Resp: 17127
Ion Ratio Lower Upper
165 100
63 2.4 56.7 85.1#
89 4.6 53.7 80.5#



#57
2,4-Dinitrotoluene
Concen: 10.108 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.364 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:165 Resp: 17127
Ion Ratio Lower Upper
165 100
63 2.4 45.0 67.6#
89 4.6 63.1 94.7#
182 0.0 1.0 1.4#

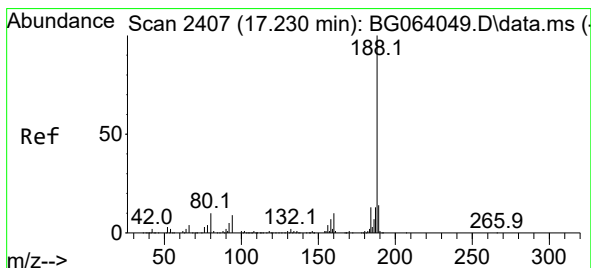
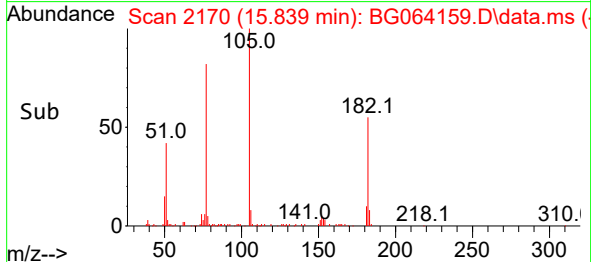
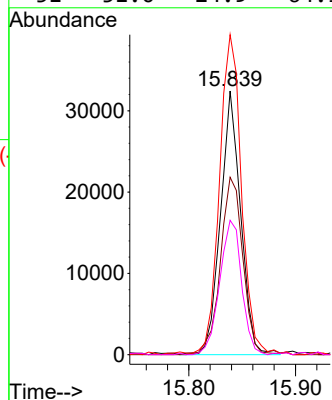
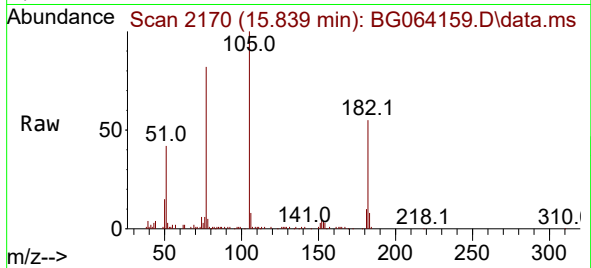




#63
Azobenzene
Concen: 4.205 ng
RT: 15.839 min Scan# 2168
Delta R.T. 0.013 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

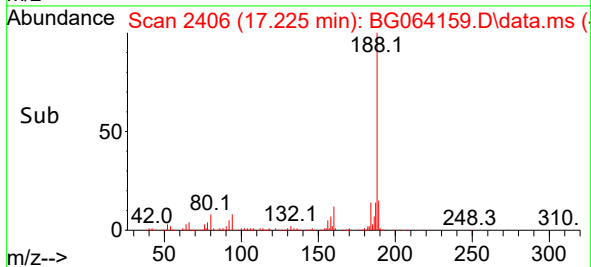
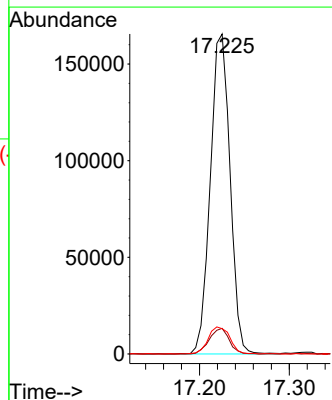
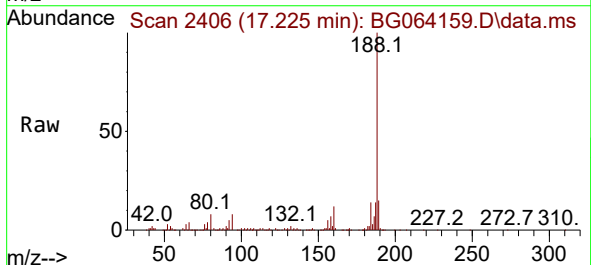
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

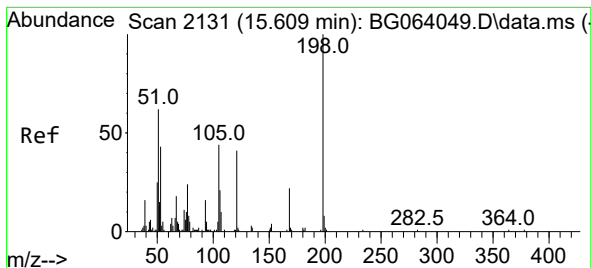
Tgt Ion: 77 Resp: 42620
Ion Ratio Lower Upper
77 100
182 67.3 2.4 42.4#
105 121.4 0.0 40.0#
51 51.0 24.9 64.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:188 Resp: 252593
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 7.9 8.1 12.1#

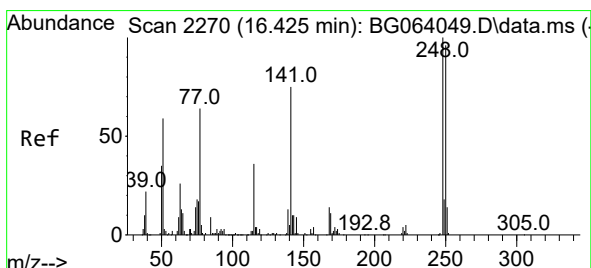
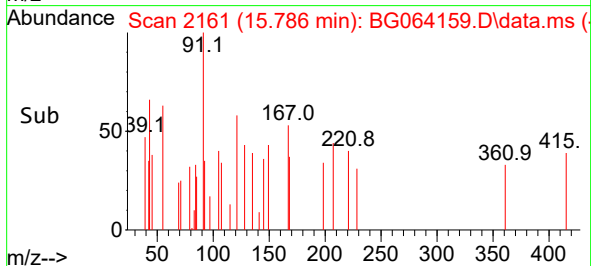
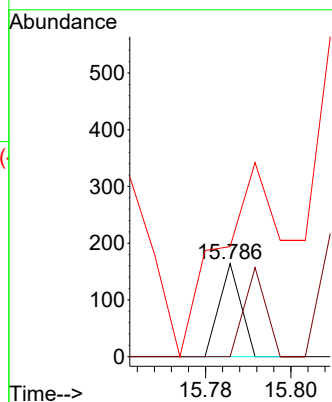
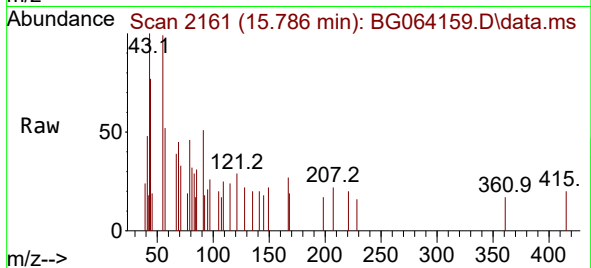




#65
4,6-Dinitro-2-methylphenol
Concen: 8.223 ng
RT: 15.786 min Scan# 211
Delta R.T. 0.177 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

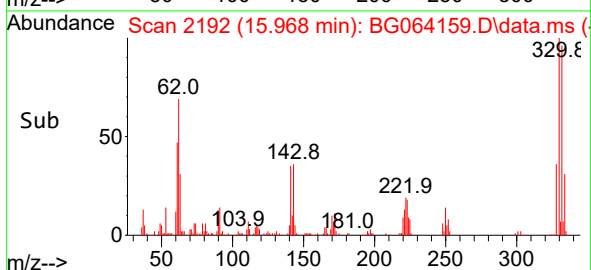
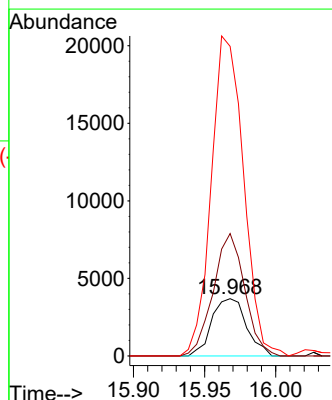
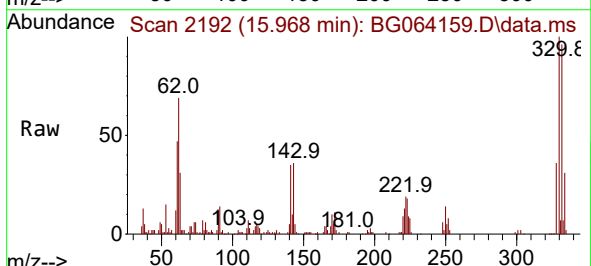
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

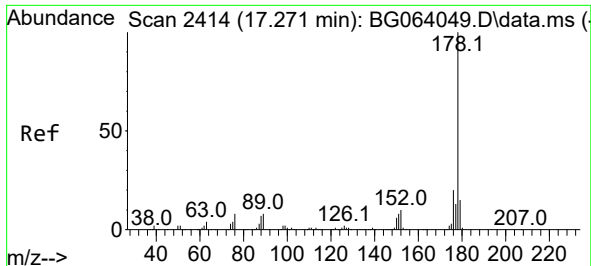
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 118.3 25.3 65.3#



#67
4-Bromophenyl-phenylether
Concen: 2.430 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.457 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:248 Resp: 6287
Ion Ratio Lower Upper
248 100
250 213.8 77.1 115.7#
141 540.9 59.8 89.8#

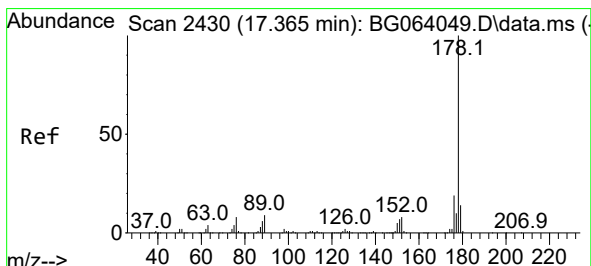
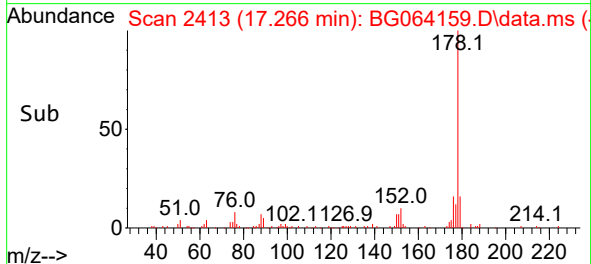
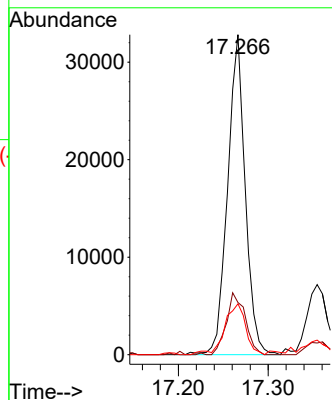
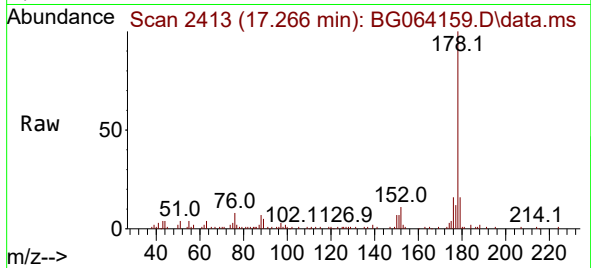




#71
Phenanthrene
Concen: 3.321 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

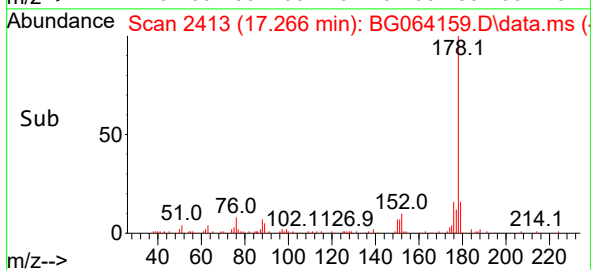
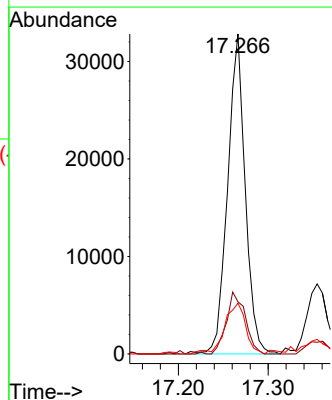
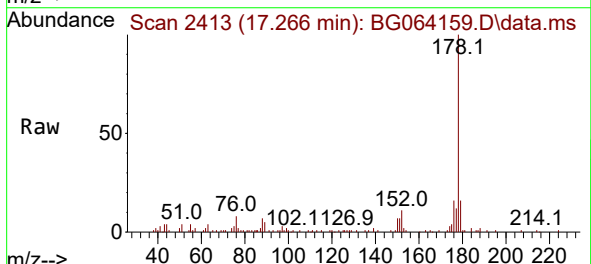
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

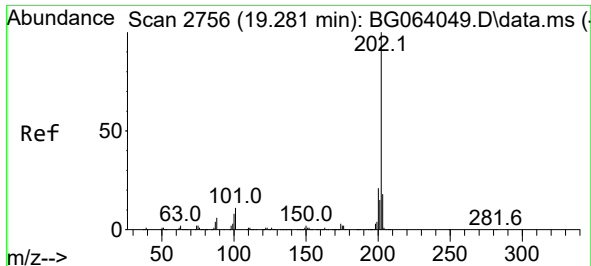
Tgt Ion:178 Resp: 44747
Ion Ratio Lower Upper
178 100
176 16.3 15.9 23.9
179 15.9 12.2 18.2



#72
Anthracene
Concen: 3.340 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.099 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:178 Resp: 44747
Ion Ratio Lower Upper
178 100
176 16.3 14.8 22.2
179 15.9 11.5 17.3

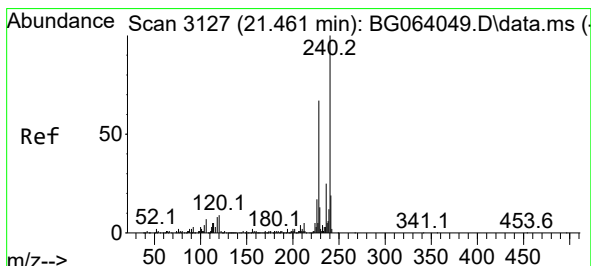
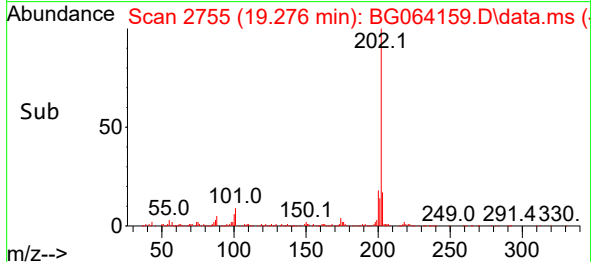
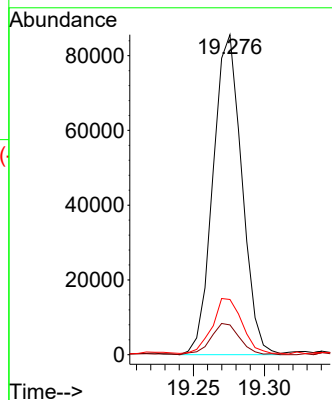
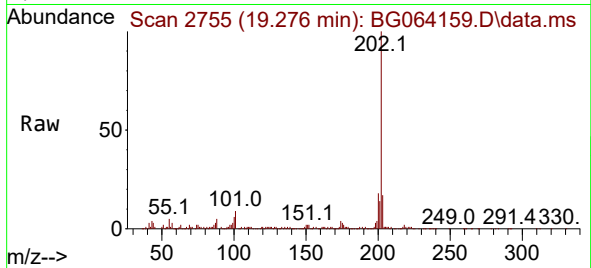




#75
Fluoranthene
Concen: 7.434 ng
RT: 19.276 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

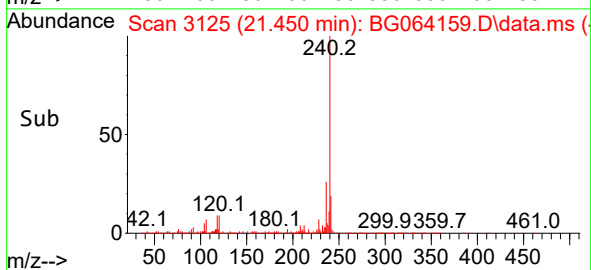
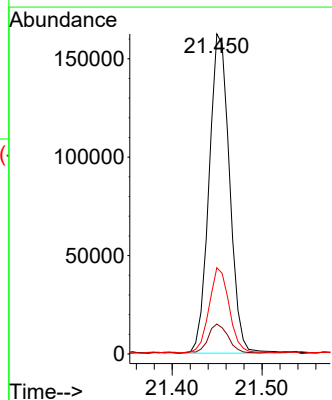
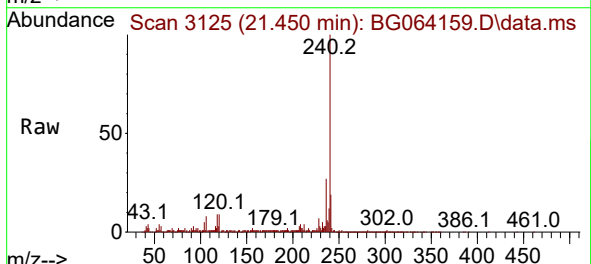
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

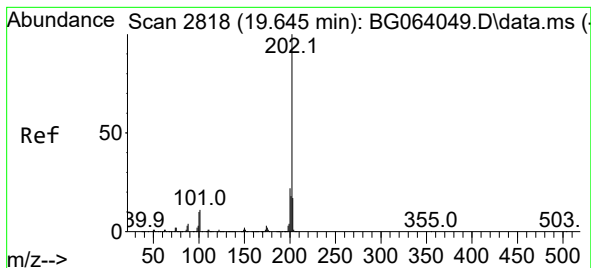
Tgt Ion:202 Resp: 120742
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.5
203 17.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:240 Resp: 256965
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 27.0 20.2 30.2





#78

Pyrene

Concen: 6.925 ng

RT: 19.634 min Scan# 2816

Delta R.T. -0.011 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

Instrument :

BNA_G

ClientSampleId :

HR-02-040125

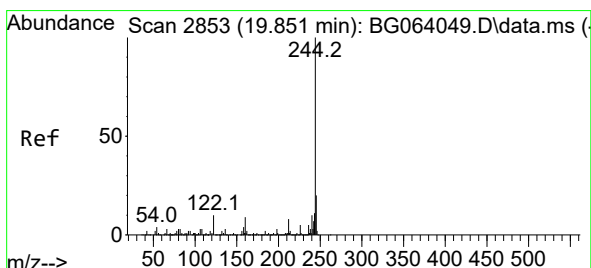
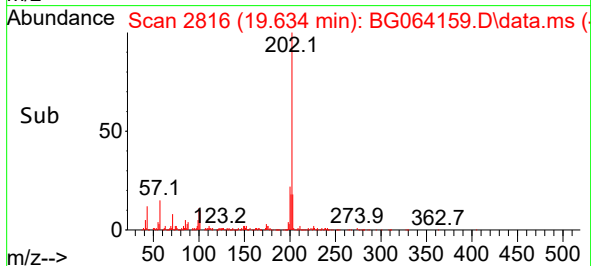
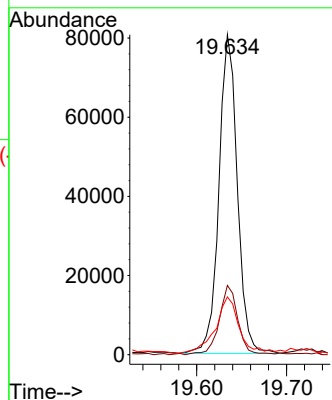
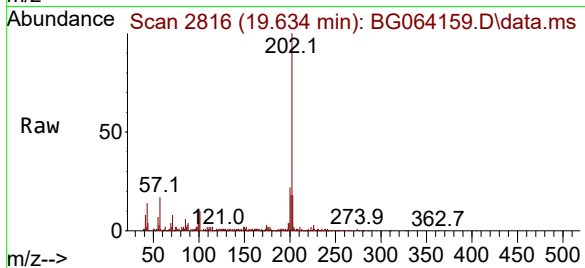
Tgt Ion:202 Resp: 114704

Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.0 13.6 20.4



#79

Terphenyl-d14

Concen: 31.380 ng

RT: 19.840 min Scan# 2851

Delta R.T. -0.011 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

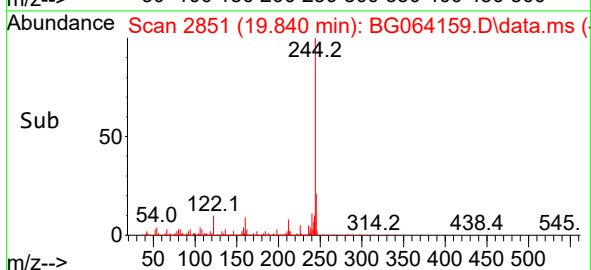
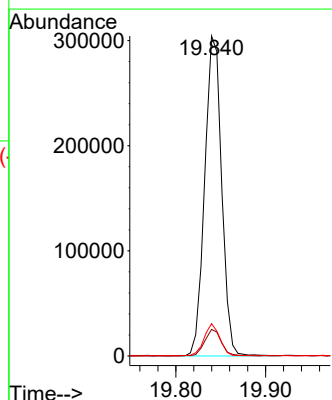
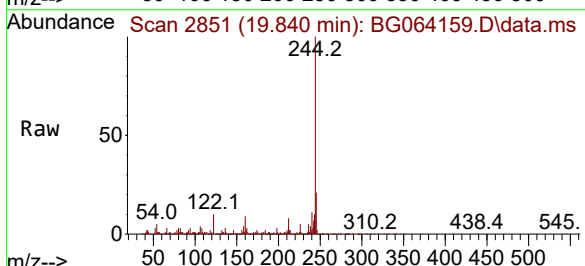
Tgt Ion:244 Resp: 398788

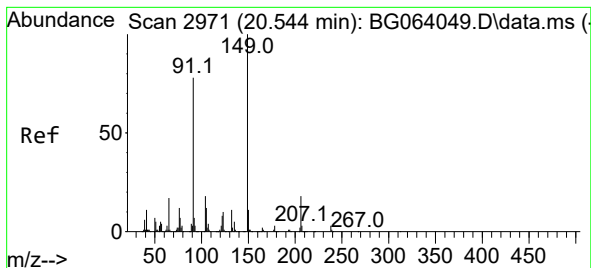
Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.4

122 10.1 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.706 ng

RT: 20.557 min Scan# 2973

Delta R.T. 0.013 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

Instrument :

BNA_G

ClientSampleId :

HR-02-040125

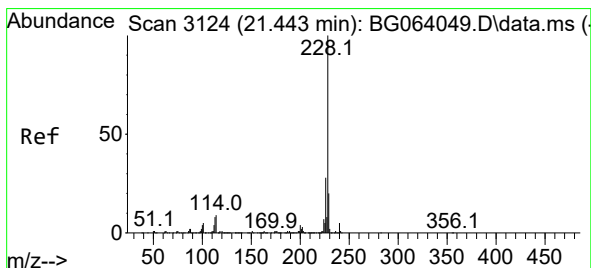
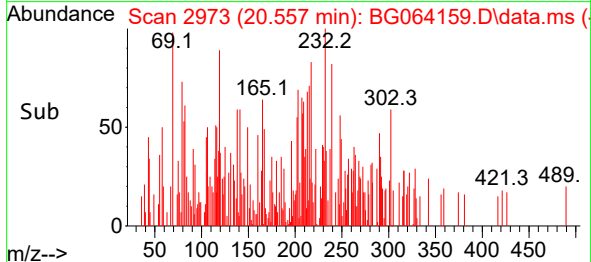
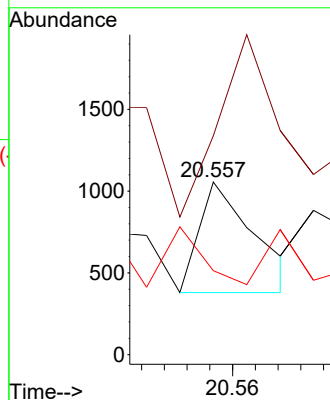
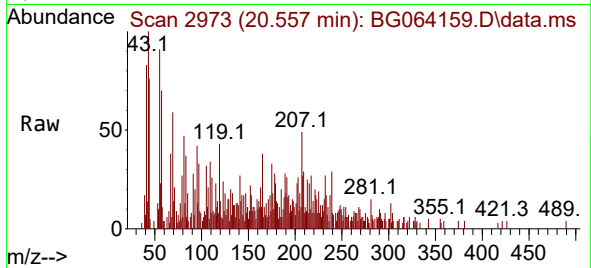
Tgt Ion:149 Resp: 458

Ion Ratio Lower Upper

149 100

91 126.8 62.0 93.0#

206 48.7 14.6 21.8#



#81

Benzo(a)anthracene

Concen: 3.368 ng

RT: 21.432 min Scan# 3122

Delta R.T. -0.011 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

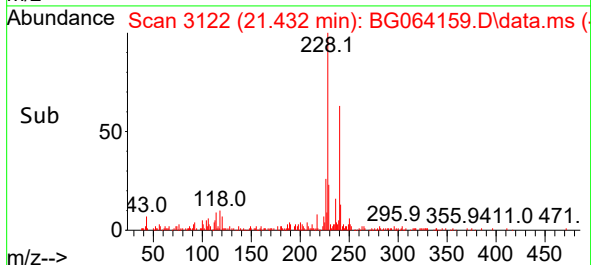
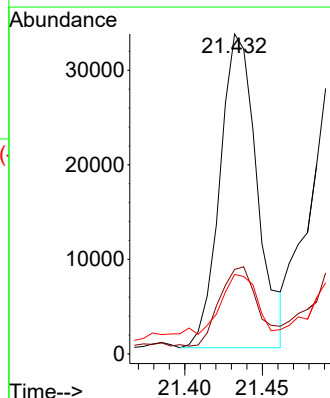
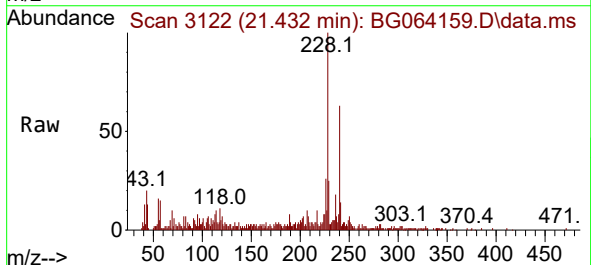
Tgt Ion:228 Resp: 55438

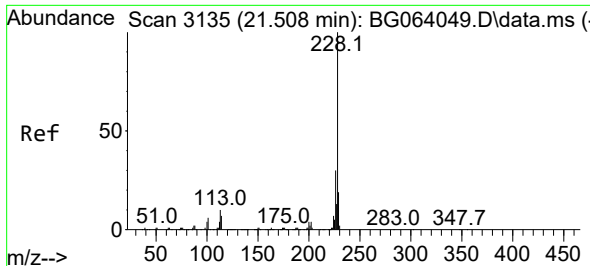
Ion Ratio Lower Upper

228 100

226 26.4 22.2 33.2

229 24.9 16.4 24.6#

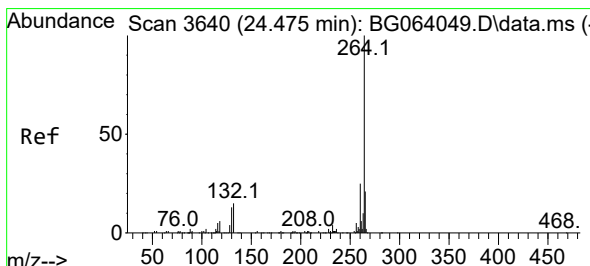
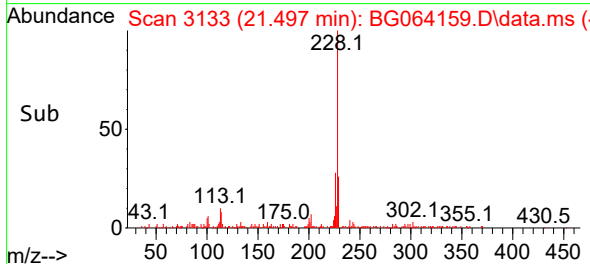
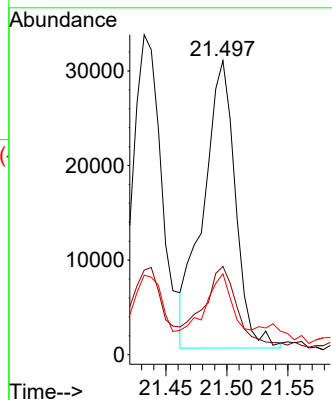
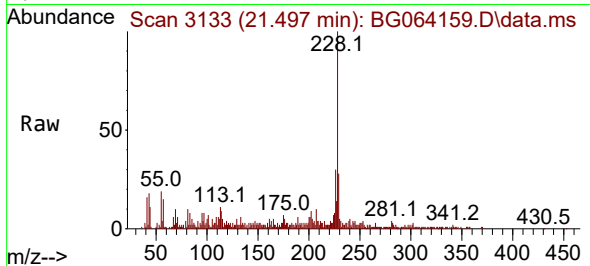




#83
Chrysene
Concen: 3.388 ng
RT: 21.497 min Scan# 3135
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

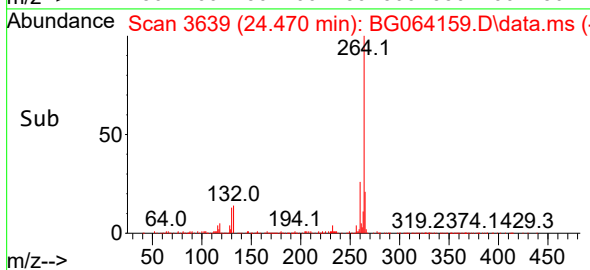
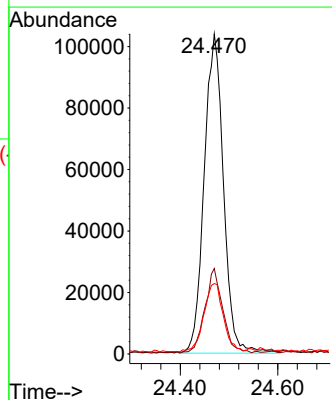
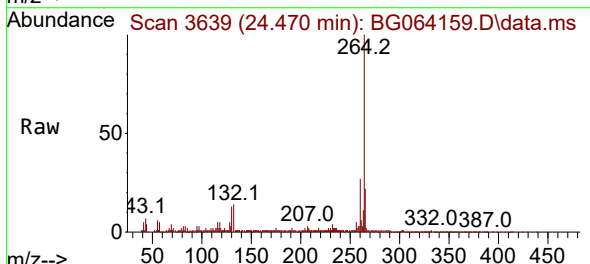
Instrument :
BNA_G
ClientSampleId :
HR-02-040125

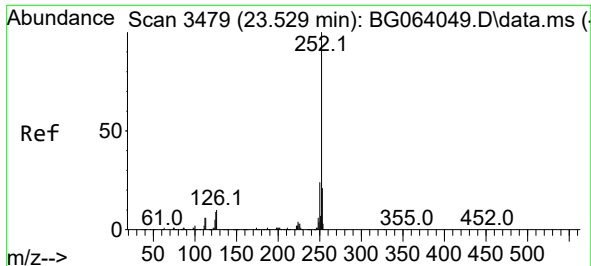
Tgt Ion:228 Resp: 55618
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 27.6 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.470 min Scan# 3639
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:264 Resp: 285375
Ion Ratio Lower Upper
264 100
260 26.7 19.6 29.4
265 22.0 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.799 ng

RT: 23.524 min Scan# 3478

Delta R.T. -0.005 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

Instrument :

BNA_G

ClientSampleId :

HR-02-040125

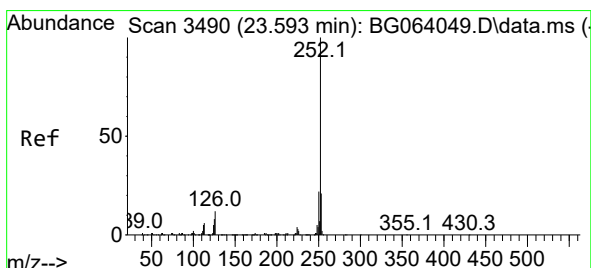
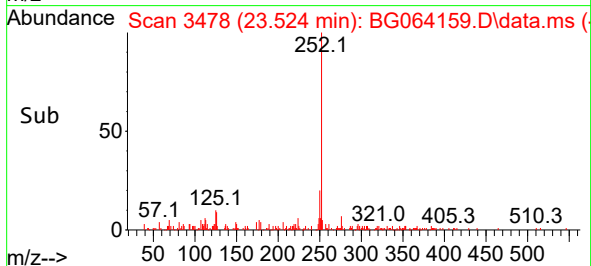
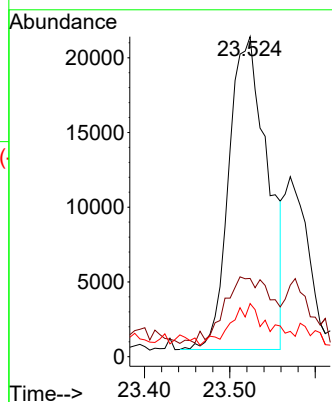
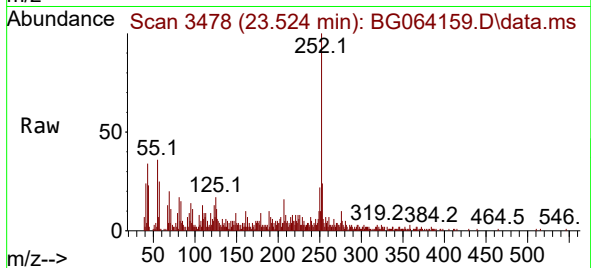
Tgt Ion:252 Resp: 65540

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 16.6 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 3.787 ng

RT: 23.524 min Scan# 3478

Delta R.T. -0.070 min

Lab File: BG064159.D

Acq: 2 Apr 2025 19:04

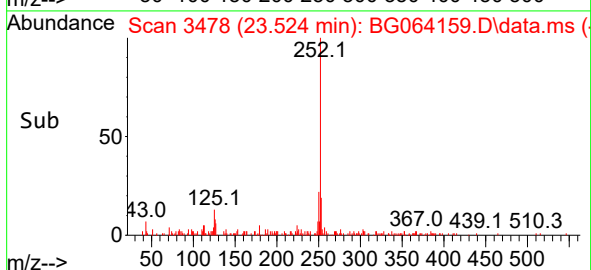
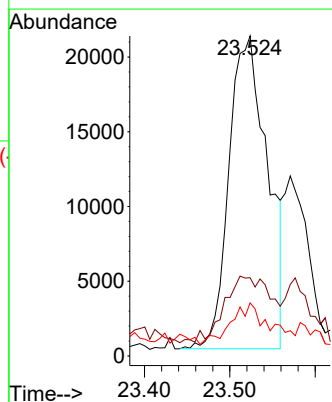
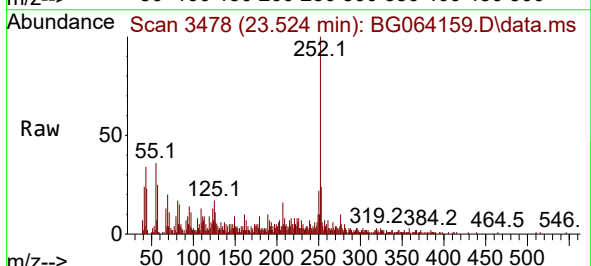
Tgt Ion:252 Resp: 65540

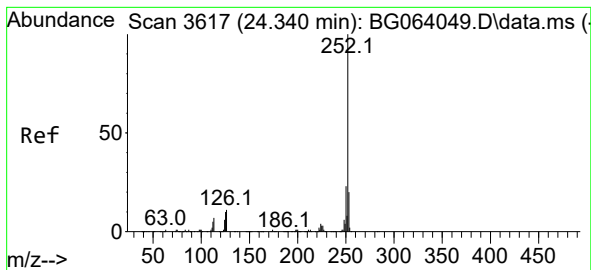
Ion Ratio Lower Upper

252 100

253 24.5 16.8 25.2

125 16.6 6.9 10.3#





#90

Benzo(a)pyrene

Concen: 3.300 ng

RT: 24.317 min Scan# 3

Delta R.T. -0.023 min

Lab File: BG064159.D

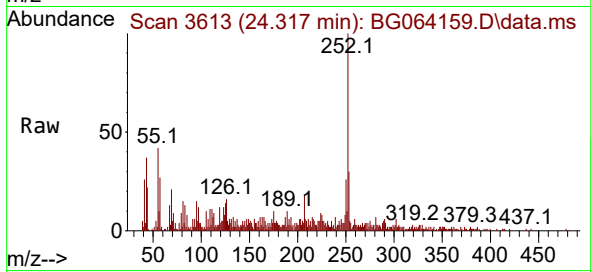
Acq: 2 Apr 2025 19:04

Instrument :

BNA_G

ClientSampleId :

HR-02-040125



Tgt Ion:252 Resp: 50708

Ion Ratio Lower Upper

252 100

253 30.1 16.2 24.2#

125 14.1 7.8 11.6#

