

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064162.D
 Acq On : 2 Apr 2025 21:04
 Operator : RC/JU
 Sample : Q1692-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-04012025

Quant Time: Apr 03 01:20:58 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)

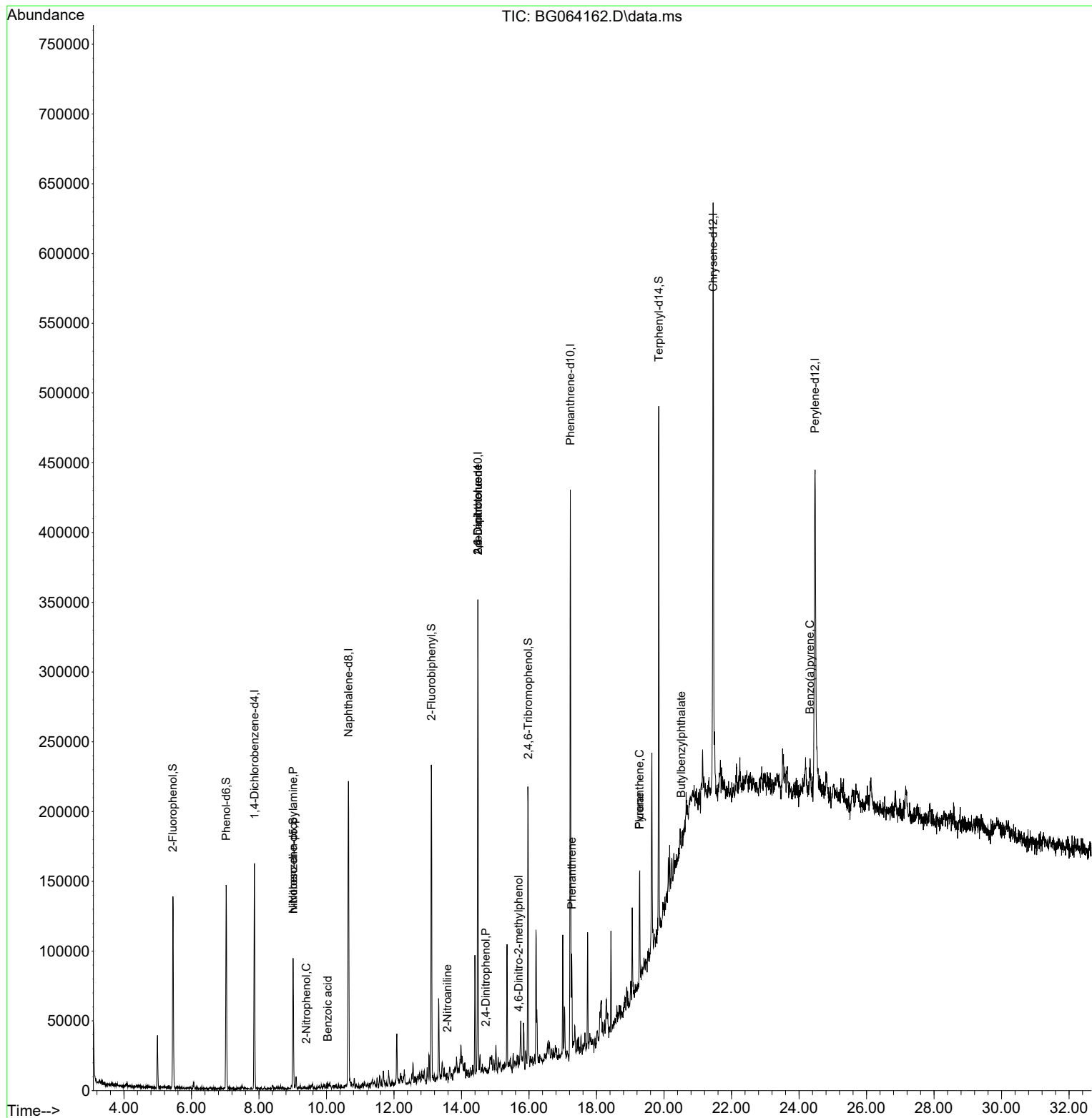
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	38774	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	167845	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	112184	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	228425	20.000	ng	0.00
76) Chrysene-d12	21.455	240	231151	20.000	ng	0.00
86) Perylene-d12	24.469	264	253226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	56129	22.603	ng	0.00
7) Phenol-d6	7.025	99	73091	21.636	ng	0.00
23) Nitrobenzene-d5	9.011	82	48163	15.857	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	31970	25.637	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	109016	14.750	ng	-0.01
79) Terphenyl-d14	19.845	244	168067	14.702	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.011	70	6355	2.681	ng	# 77
26) 2-Nitrophenol	9.405	139	53	3.337	ng	# 1
32) Benzoic acid	10.039	122	62	8.720	ng	# 44
48) 2-Nitroaniline	13.582	65	57	3.243	ng	# 11
51) 2,6-Dinitrotoluene	14.487	165	17503	13.047	ng	# 17
54) 2,4-Dinitrophenol	14.722	184	57	7.955	ng	# 15
57) 2,4-Dinitrotoluene	14.487	165	17503	10.623	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.697	198	56	8.226	ng	# 20
71) Phenanthrene	17.266	178	39743	3.262	ng	96
75) Fluoranthene	19.275	202	46480	3.164	ng	95
78) Pyrene	19.275	202	46480	3.119	ng	97
80) Butylbenzylphthalate	20.509	149	486	3.718	ng	# 76
90) Benzo(a)pyrene	24.328	252	29343	2.152	ng	# 94

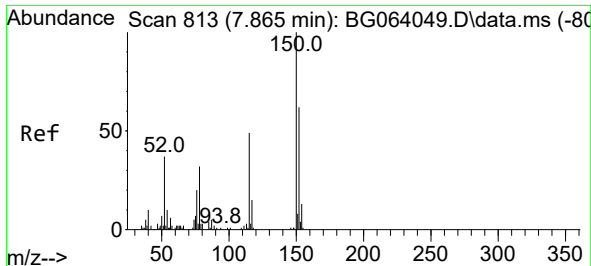
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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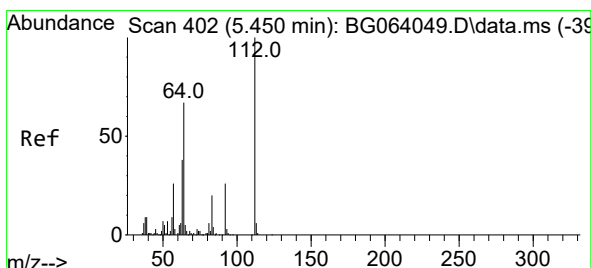
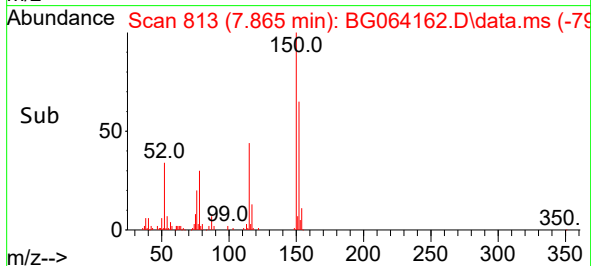
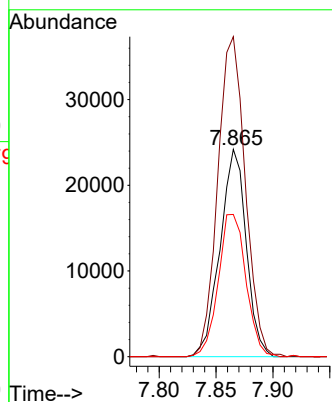
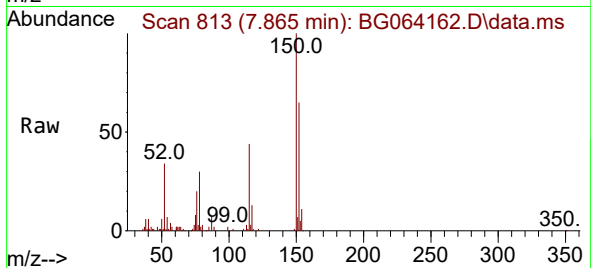




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

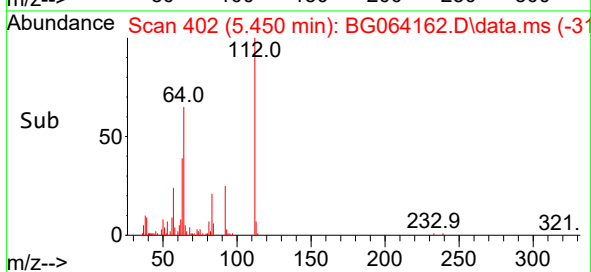
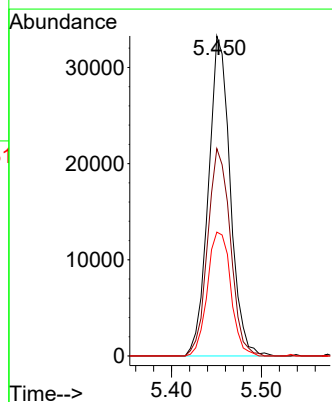
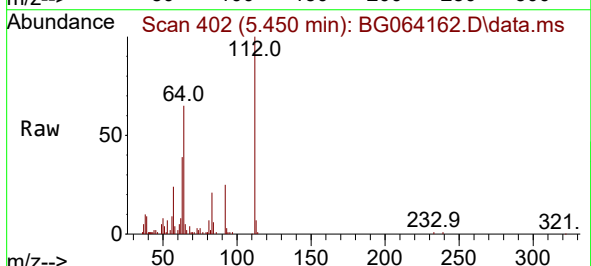
Instrument :
BNA_G
ClientSampleId :
NB-08-04012025

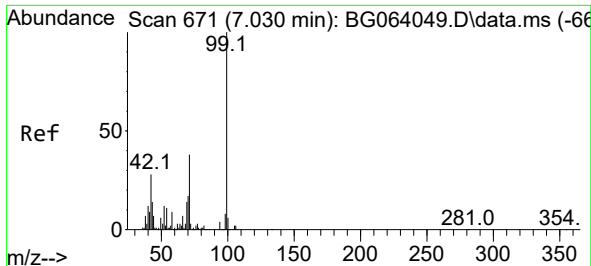
Tgt Ion:152 Resp: 38774
Ion Ratio Lower Upper
152 100
150 154.4 129.2 193.8
115 68.6 63.0 94.6



#5
2-Fluorophenol
Concen: 22.603 ng
RT: 5.450 min Scan# 402
Delta R.T. 0.000 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:112 Resp: 56129
Ion Ratio Lower Upper
112 100
64 64.8 53.7 80.5
63 38.7 30.2 45.4

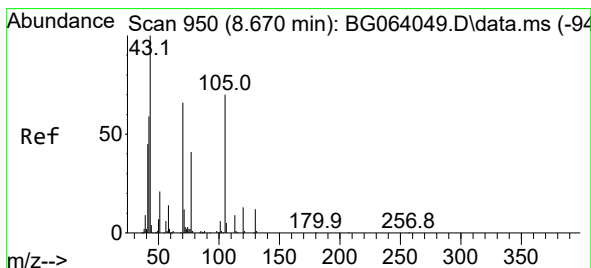
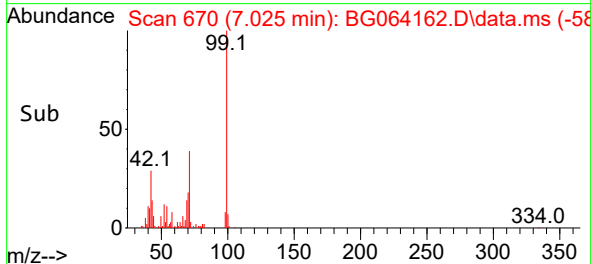
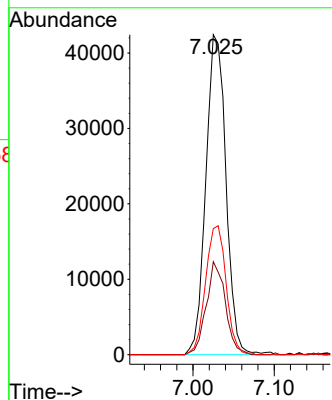
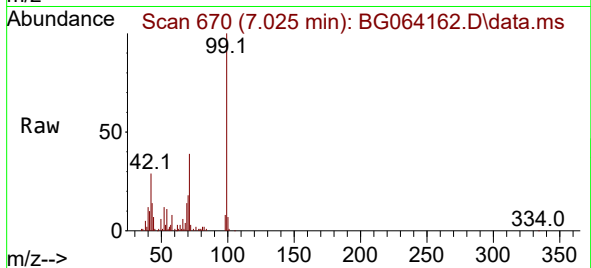




#7
Phenol-d6
Concen: 21.636 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

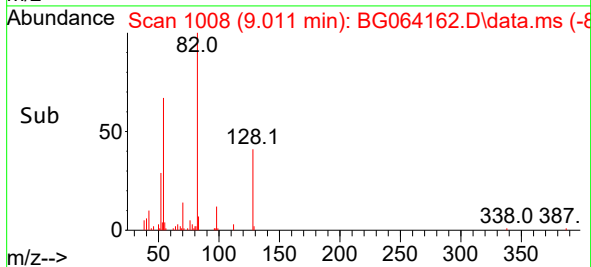
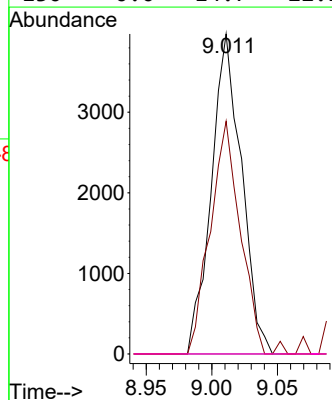
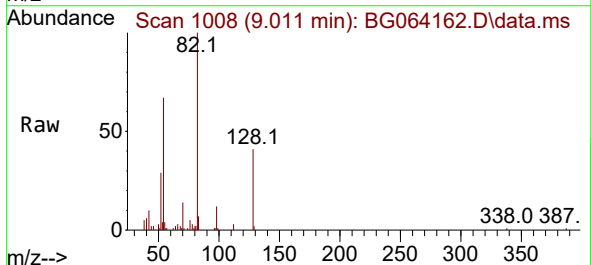
Instrument :
BNA_G
ClientSampleId :
NB-08-04012025

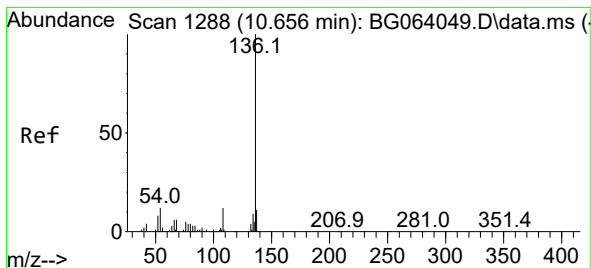
Tgt Ion: 99 Resp: 73091
Ion Ratio Lower Upper
99 100
42 29.0 22.7 34.1
71 39.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.681 ng
RT: 9.011 min Scan# 1008
Delta R.T. 0.341 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion: 70 Resp: 6355
Ion Ratio Lower Upper
70 100
42 72.7 72.1 108.1
101 0.0 7.2 10.8#
130 0.0 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.650 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

Instrument :

BNA_G

ClientSampleId :

NB-08-04012025

Tgt Ion:136 Resp: 167845

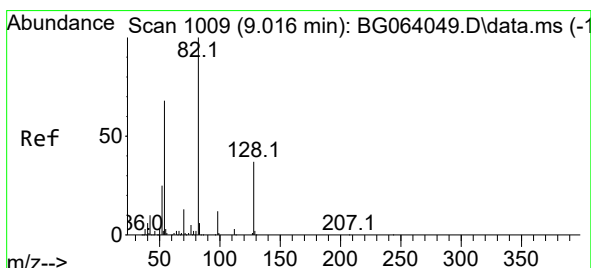
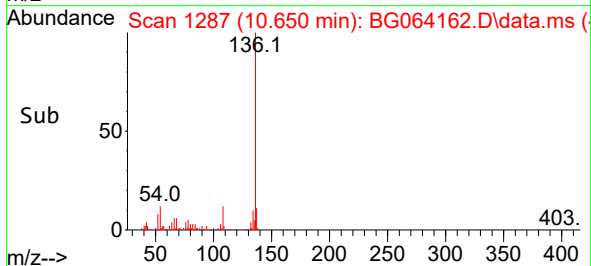
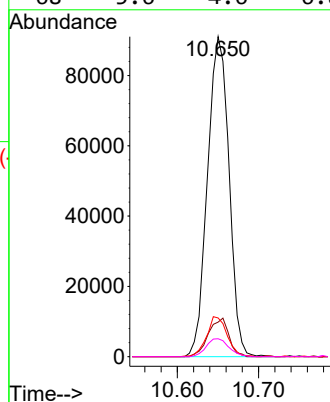
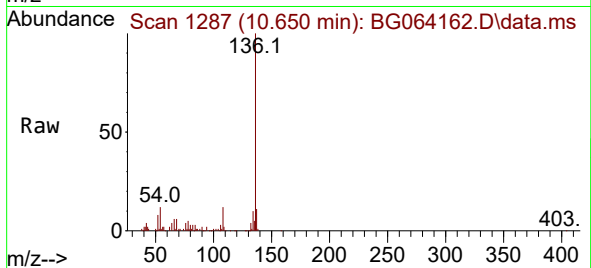
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 12.1 9.9 14.9

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 15.857 ng

RT: 9.011 min Scan# 1008

Delta R.T. -0.005 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

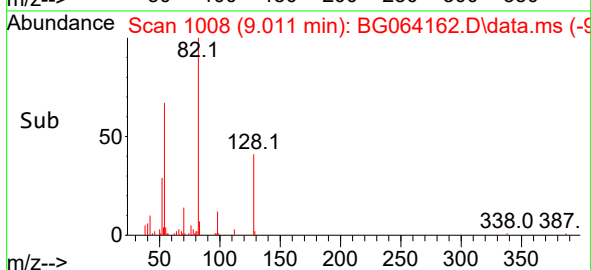
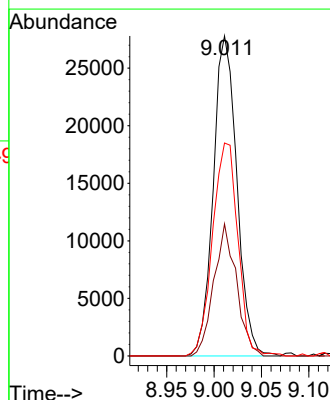
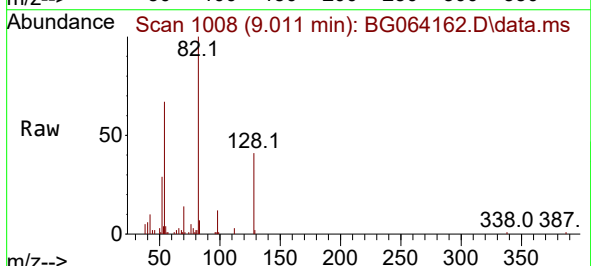
Tgt Ion: 82 Resp: 48163

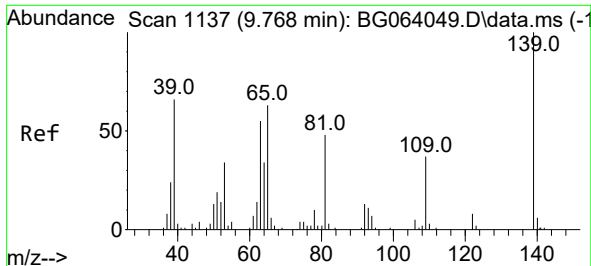
Ion Ratio Lower Upper

82 100

128 41.3 30.0 45.0

54 66.5 54.7 82.1

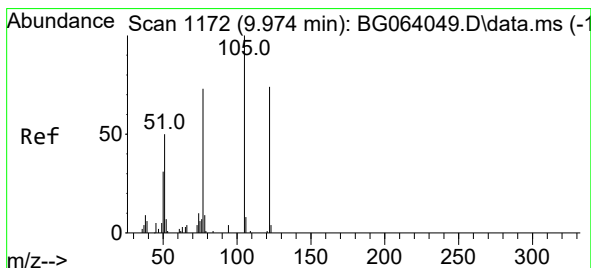
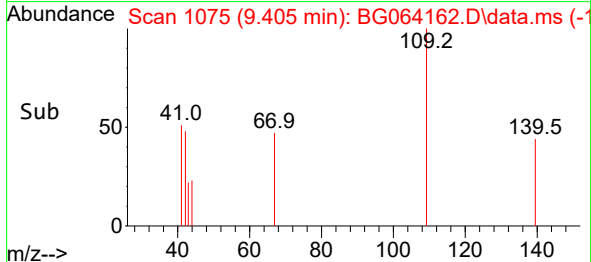
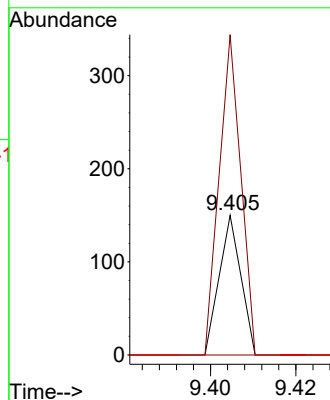
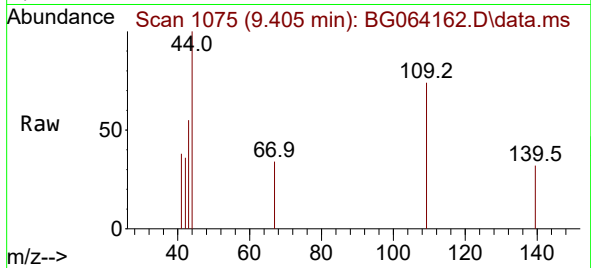




#26
2-Nitrophenol
Concen: 3.337 ng
RT: 9.405 min Scan# 1137
Delta R.T. -0.363 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

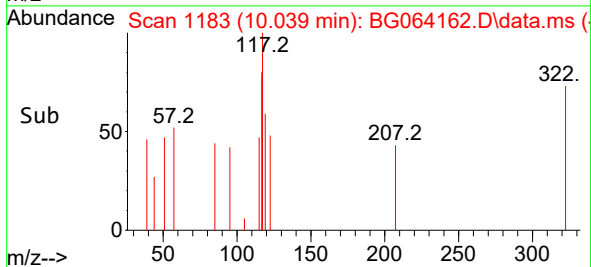
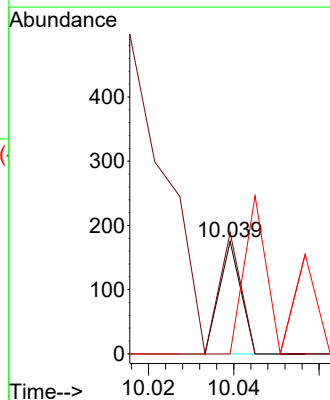
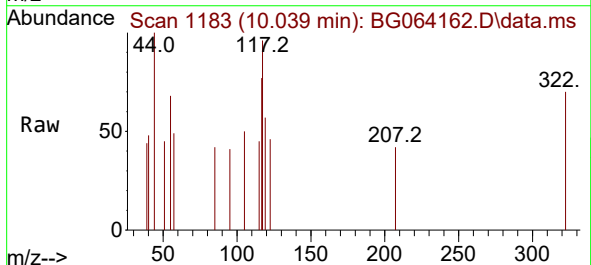
Instrument :
BNA_G
ClientSampleId :
NB-08-04012025

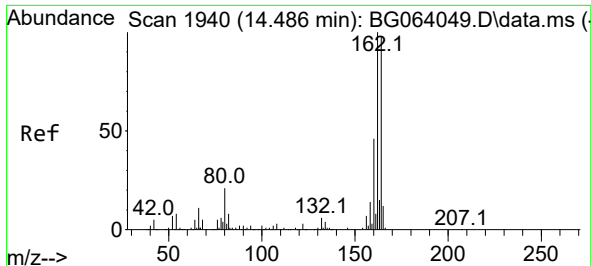
Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 229.3 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.720 ng
RT: 10.039 min Scan# 1183
Delta R.T. 0.065 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 108.0 115.0 155.0#
77 0.0 80.9 120.9#

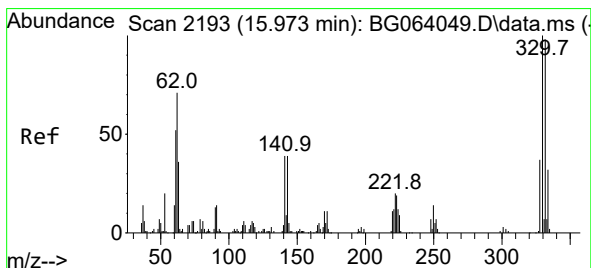
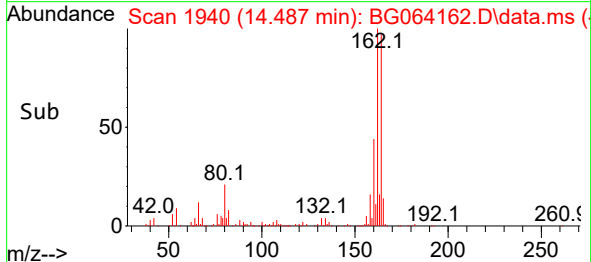
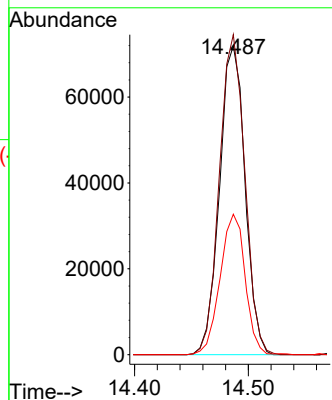
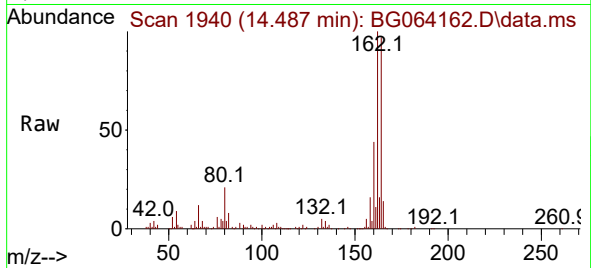




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

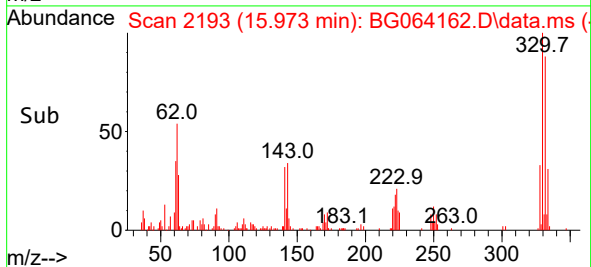
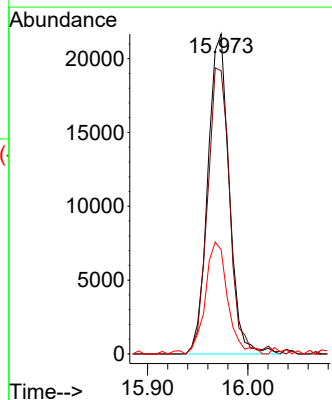
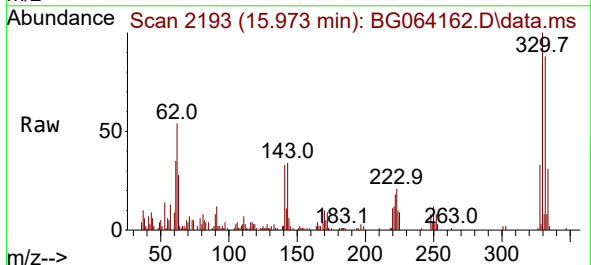
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ClientSampleId :
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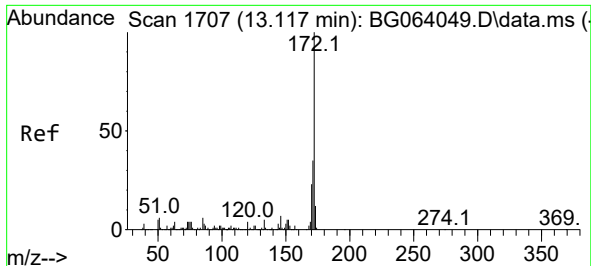
Tgt Ion:164 Resp: 112184
Ion Ratio Lower Upper
164 100
162 103.6 81.4 122.0
160 45.5 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 25.637 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:330 Resp: 31970
Ion Ratio Lower Upper
330 100
332 93.5 76.7 115.1
141 37.2 29.7 44.5

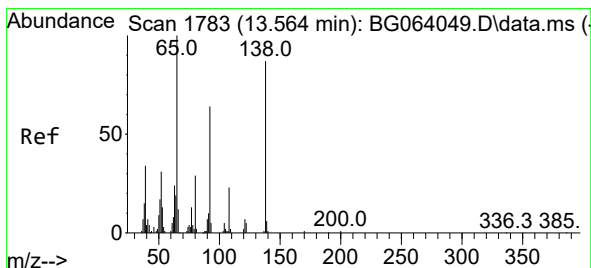
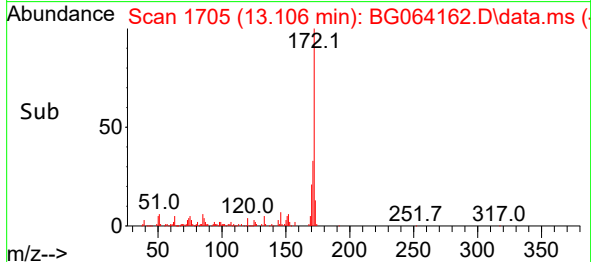
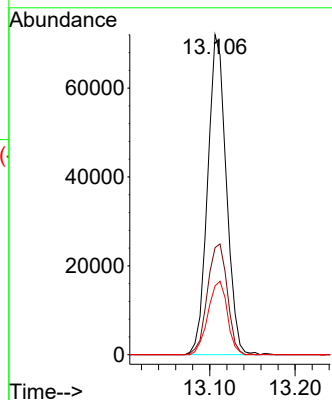
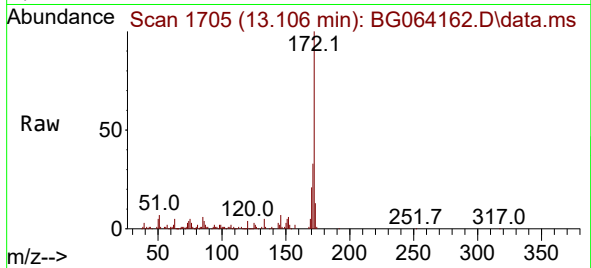




#45
2-Fluorobiphenyl
Concen: 14.750 ng
RT: 13.106 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

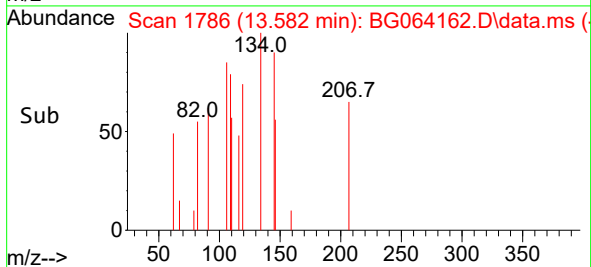
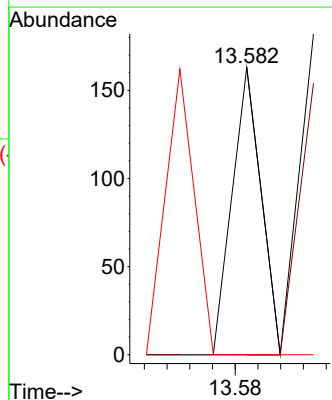
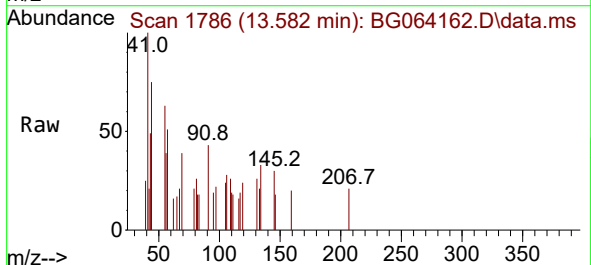
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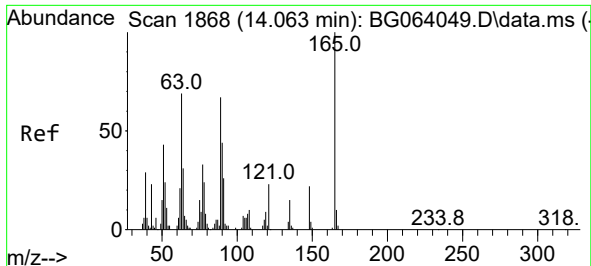
Tgt Ion:172 Resp: 109016
Ion Ratio Lower Upper
172 100
171 33.5 28.0 42.0
170 21.5 18.7 28.1



#48
2-Nitroaniline
Concen: 3.243 ng
RT: 13.582 min Scan# 1786
Delta R.T. 0.018 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

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#

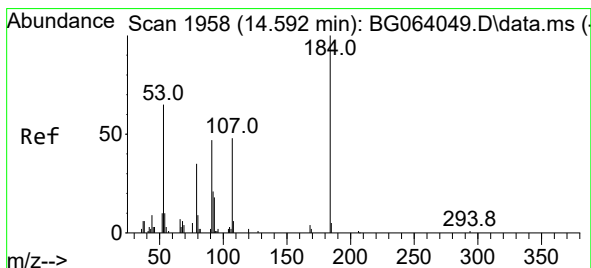
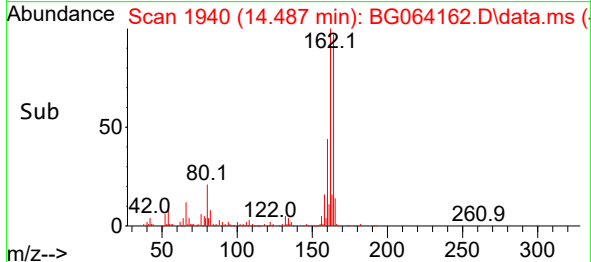
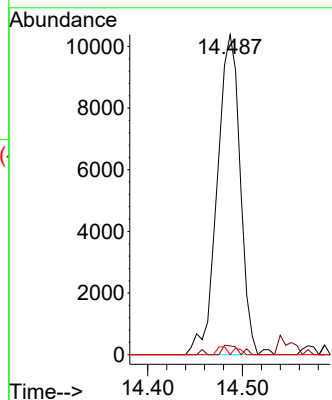
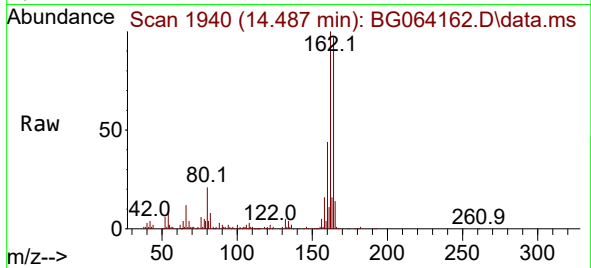




#51
2,6-Dinitrotoluene
Concen: 13.047 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.424 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

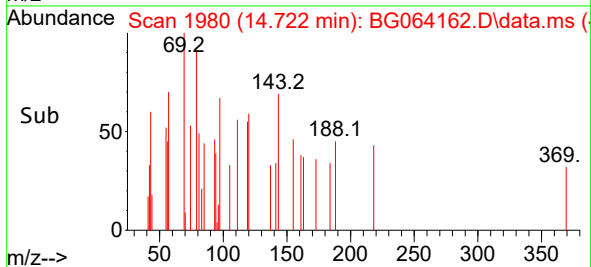
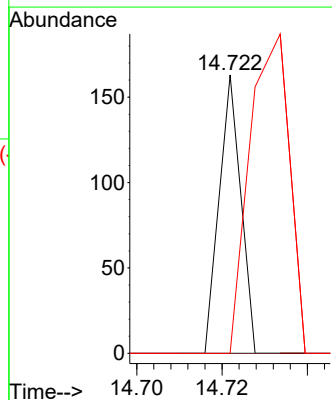
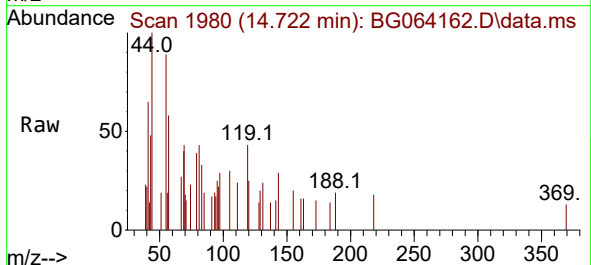
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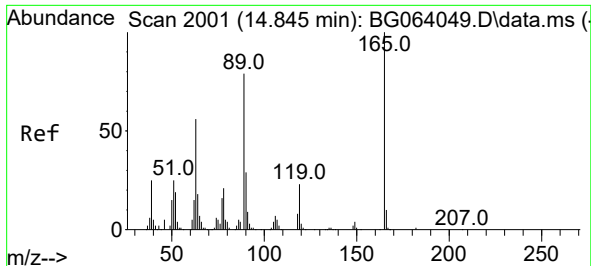
Tgt Ion:165 Resp: 17503
Ion Ratio Lower Upper
165 100
63 2.7 56.7 85.1#
89 0.0 53.7 80.5#



#54
2,4-Dinitrophenol
Concen: 7.955 ng
RT: 14.722 min Scan# 1980
Delta R.T. 0.130 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#

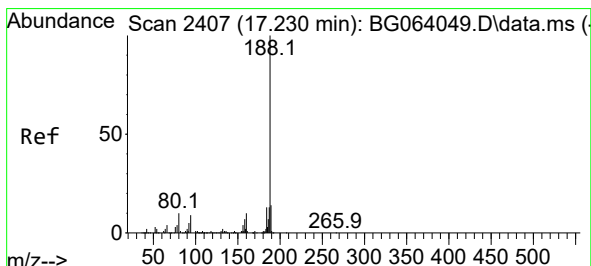
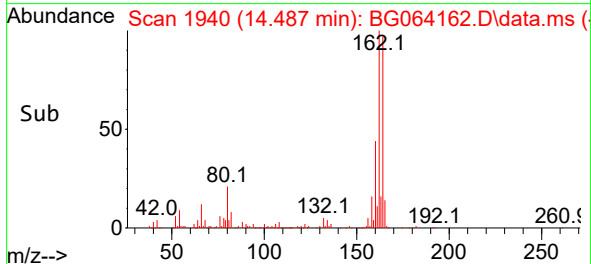
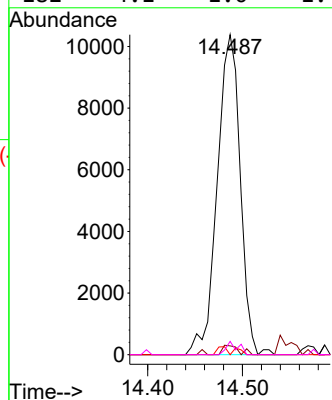
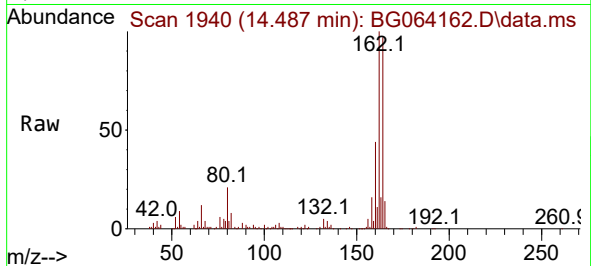




#57
2,4-Dinitrotoluene
Concen: 10.623 ng
RT: 14.487 min Scan# 1940
Delta R.T. -0.358 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

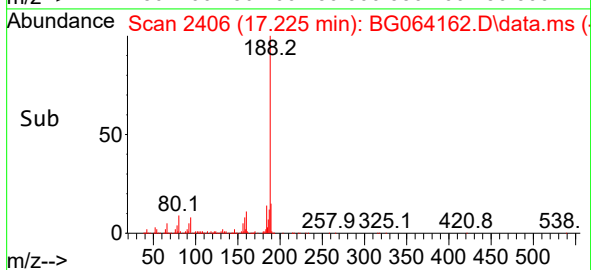
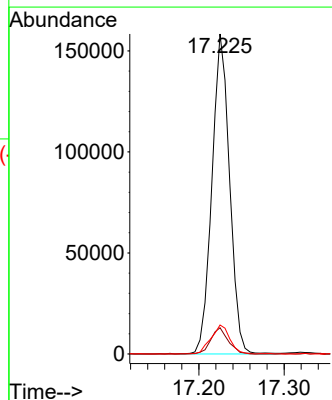
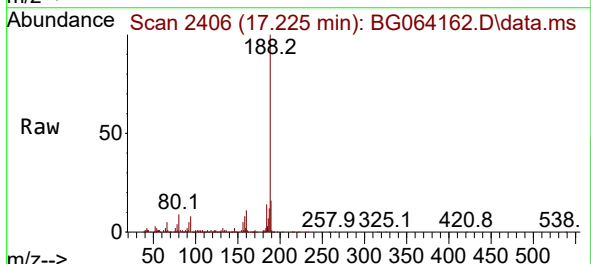
Instrument :
BNA_G
ClientSampleId :
NB-08-04012025

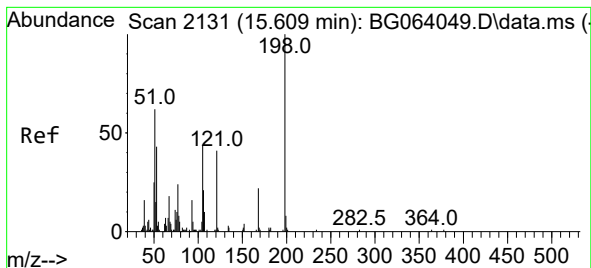
Tgt Ion:165 Resp: 17503
Ion Ratio Lower Upper
165 100
63 2.7 45.0 67.6#
89 0.0 63.1 94.7#
182 4.1 1.0 1.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:188 Resp: 228425
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 9.1 8.1 12.1

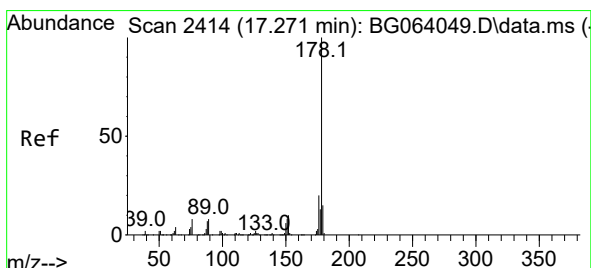
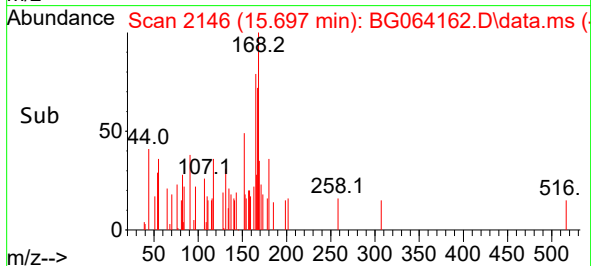
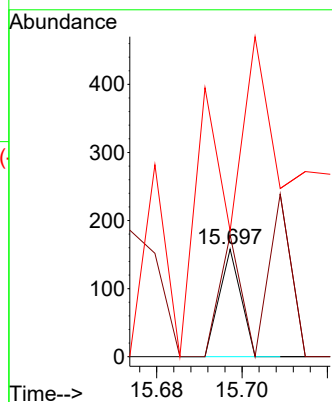
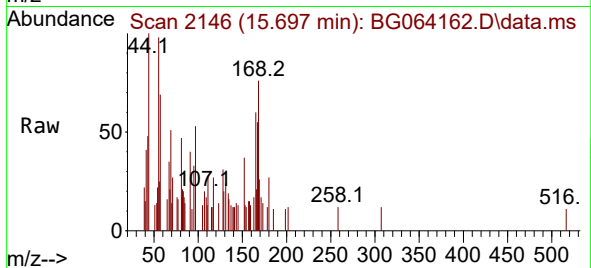




#65
4,6-Dinitro-2-methylphenol
Concen: 8.226 ng
RT: 15.697 min Scan# 2131
Delta R.T. 0.088 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

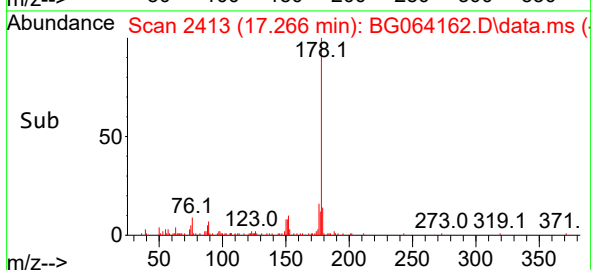
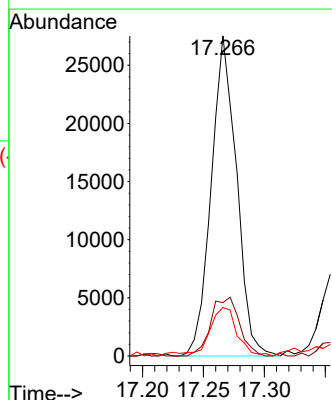
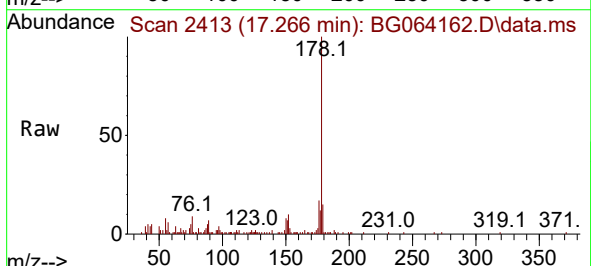
Instrument :
BNA_G
ClientSampleId :
NB-08-04012025

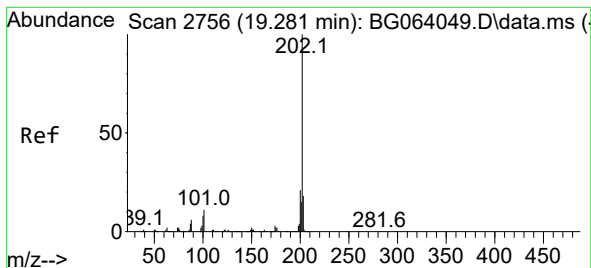
Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 113.3 45.6 85.6#
105 117.1 25.3 65.3#



#71
Phenanthrene
Concen: 3.262 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BG064162.D
Acq: 2 Apr 2025 21:04

Tgt Ion:178 Resp: 39743
Ion Ratio Lower Upper
178 100
176 16.7 15.9 23.9
179 15.2 12.2 18.2





#75

Fluoranthene

Concen: 3.164 ng

RT: 19.275 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

Instrument :

BNA_G

ClientSampleId :

NB-08-04012025

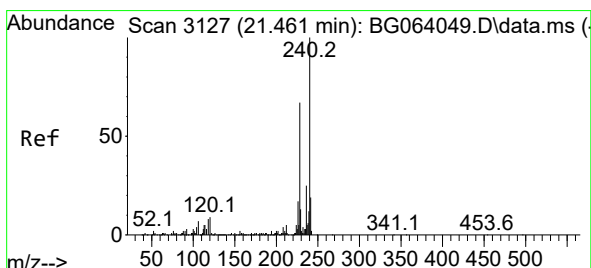
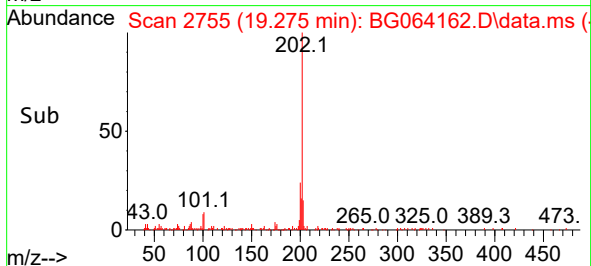
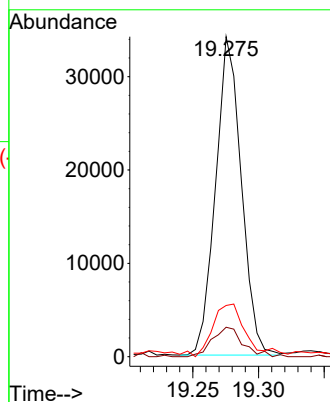
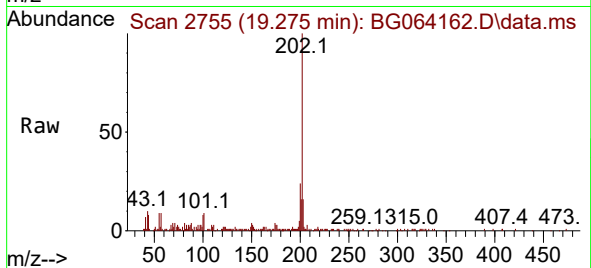
Tgt Ion:202 Resp: 46480

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.5

203 16.0 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.455 min Scan# 3126

Delta R.T. -0.005 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

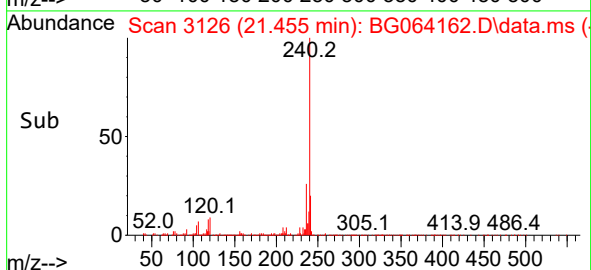
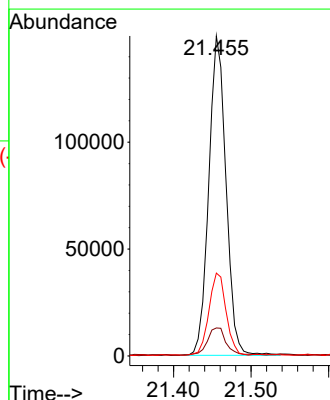
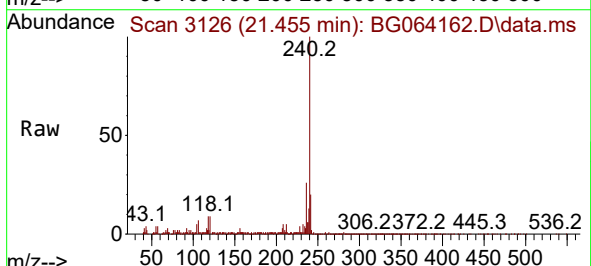
Tgt Ion:240 Resp: 231151

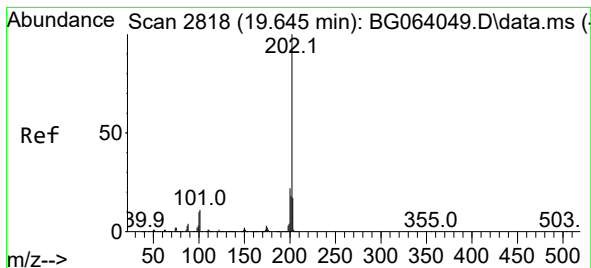
Ion Ratio Lower Upper

240 100

120 8.7 7.2 10.8

236 25.9 20.2 30.2





#78

Pyrene

Concen: 3.119 ng

RT: 19.275 min Scan# 21

Delta R.T. -0.370 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

Instrument :

BNA_G

ClientSampleId :

NB-08-04012025

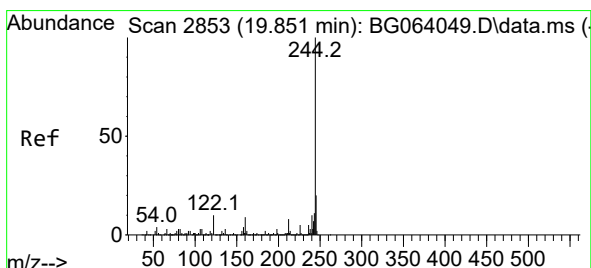
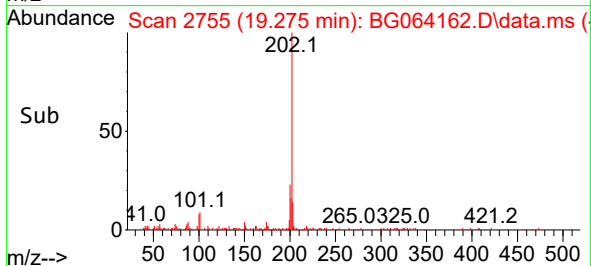
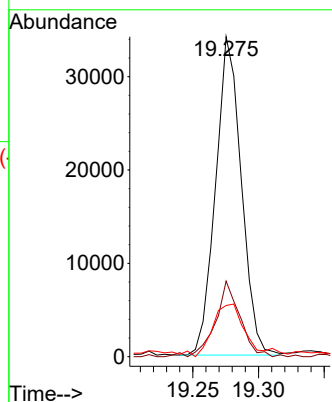
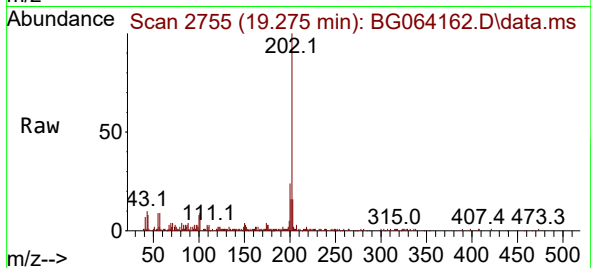
Tgt Ion:202 Resp: 46480

Ion Ratio Lower Upper

202 100

200 23.6 17.3 25.9

203 16.0 13.6 20.4



#79

Terphenyl-d14

Concen: 14.702 ng

RT: 19.845 min Scan# 2852

Delta R.T. -0.005 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

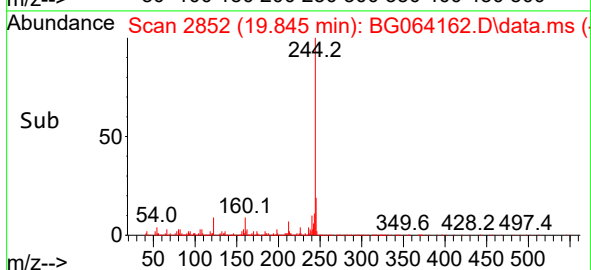
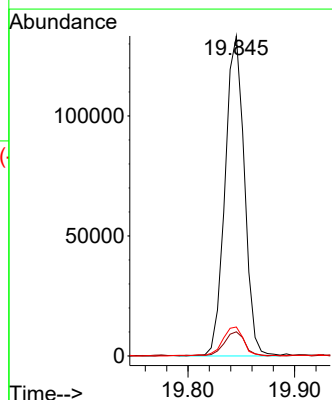
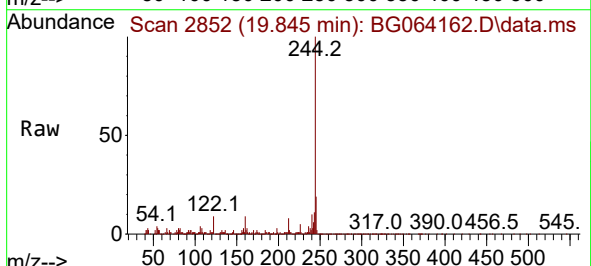
Tgt Ion:244 Resp: 168067

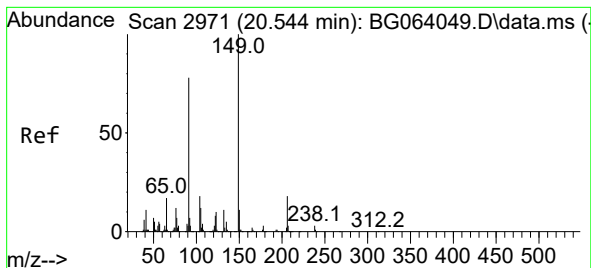
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 9.0 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.718 ng

RT: 20.509 min Scan# 2971

Delta R.T. -0.035 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

Instrument :

BNA_G

ClientSampleId :

NB-08-04012025

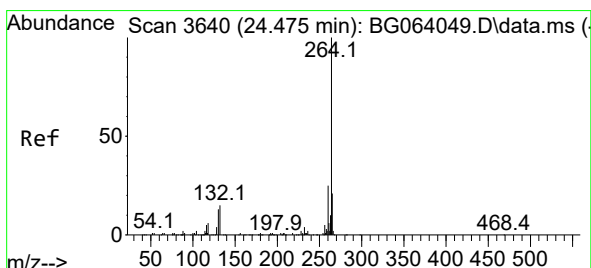
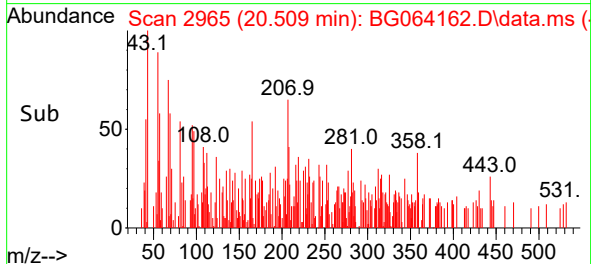
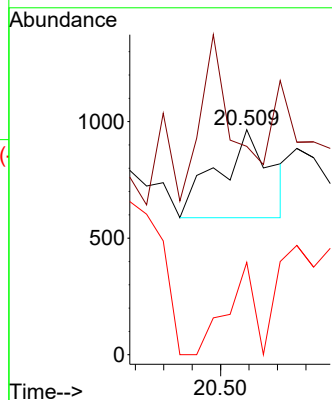
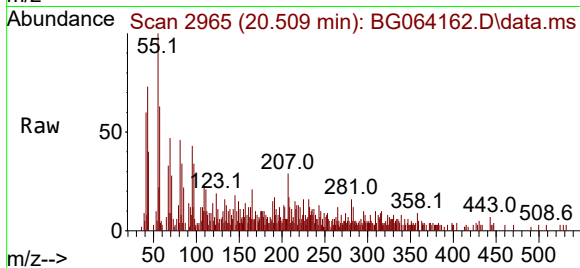
Tgt Ion:149 Resp: 486

Ion Ratio Lower Upper

149 100

91 92.6 62.0 93.0

206 41.0 14.6 21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.469 min Scan# 3639

Delta R.T. -0.005 min

Lab File: BG064162.D

Acq: 2 Apr 2025 21:04

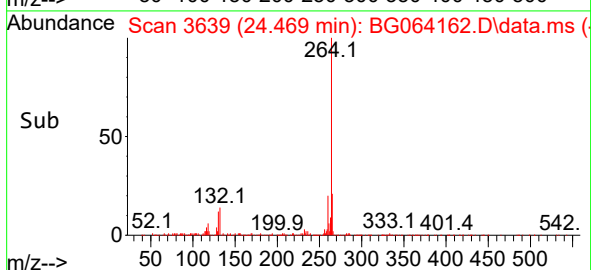
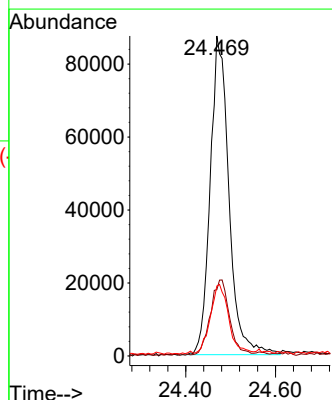
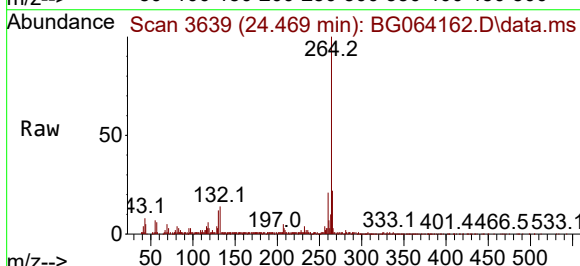
Tgt Ion:264 Resp: 253226

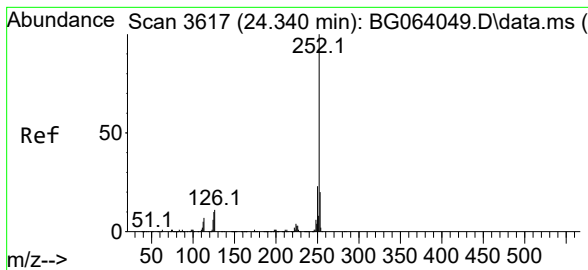
Ion Ratio Lower Upper

264 100

260 20.7 19.6 29.4

265 21.9 16.6 25.0





#90

Benzo(a)pyrene

Concen: 2.152 ng

RT: 24.328 min Scan# 30

Delta R.T. -0.011 min

Lab File: BG064162.D

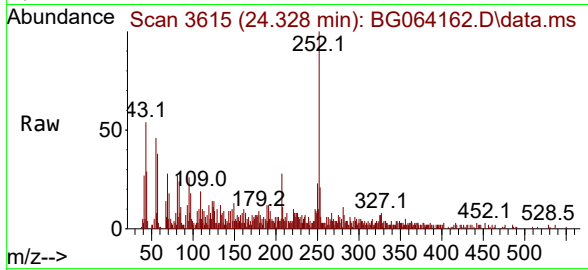
Acq: 2 Apr 2025 21:04

Instrument :

BNA_G

ClientSampleId :

NB-08-04012025



Tgt Ion:252 Resp: 29343

Ion Ratio Lower Upper

252 100

253 21.5 16.2 24.2

125 14.4 7.8 11.6#

