

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064064.D
 Acq On : 7 Mar 2025 18:21
 Operator : RC/JU
 Sample : Q1514-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB03062025

Quant Time: Mar 07 22:56:24 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)

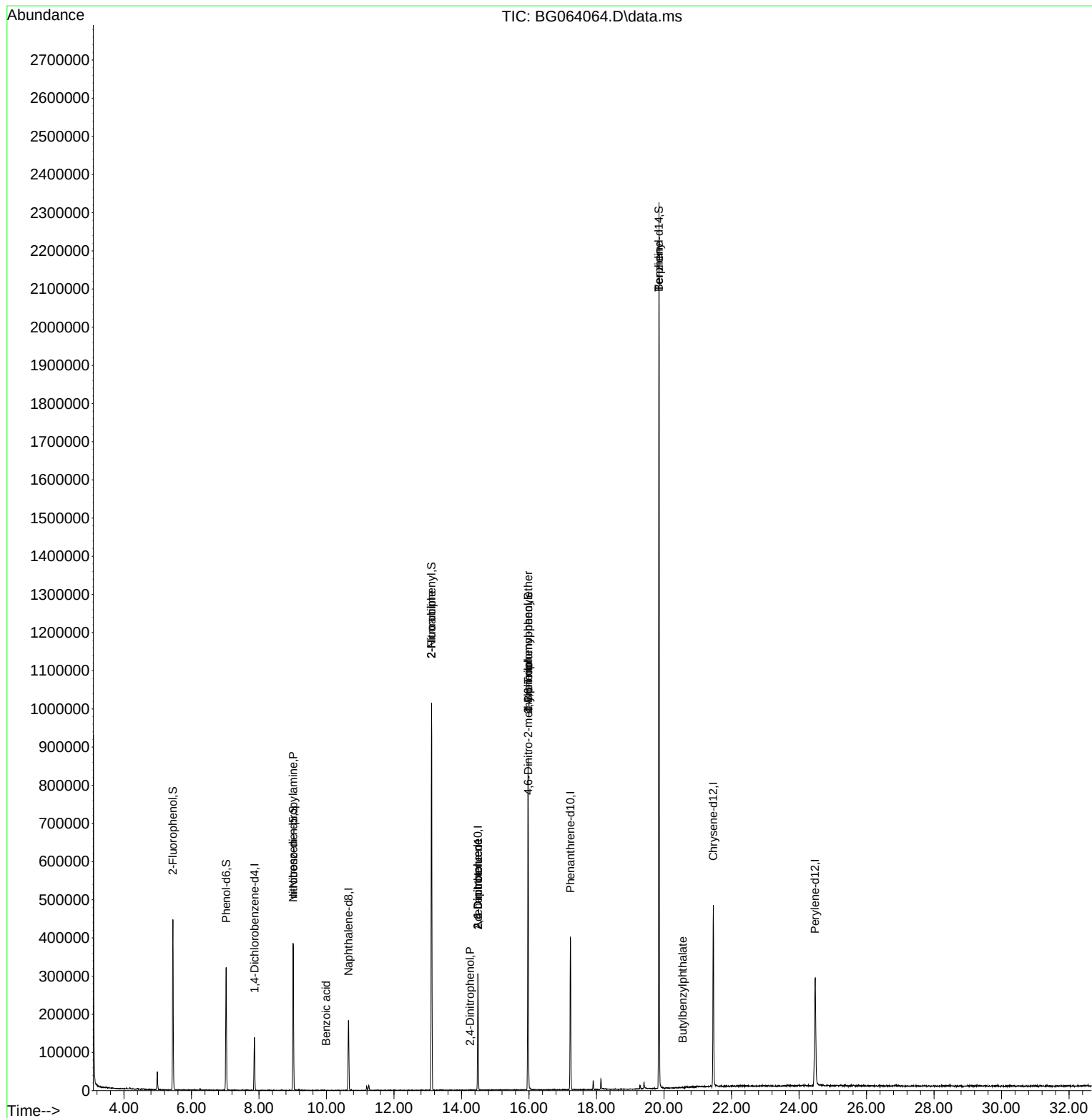
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	32854	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	141929	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	100513	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	241431	20.000	ng	0.00
76) Chrysene-d12	21.460	240	267874	20.000	ng	0.00
86) Perylene-d12	24.474	264	281608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	161925	76.958	ng	0.00
7) Phenol-d6	7.024	99	154295	53.905	ng	0.00
23) Nitrobenzene-d5	9.016	82	203577	79.265	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	140808	126.028	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	477492	72.108	ng	0.00
79) Terphenyl-d14	19.850	244	1053306	79.507	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.010	70	26543	13.213	ng	# 76
32) Benzoic acid	9.985	122	58	8.723	ng	# 1
48) 2-Nitroaniline	13.111	65	1027	3.812	ng	# 1
51) 2,6-Dinitrotoluene	14.486	165	13775	11.869	ng	# 15
54) 2,4-Dinitrophenol	14.251	184	87	8.007	ng	# 15
57) 2,4-Dinitrotoluene	14.486	165	13775	9.774	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.978	198	493	8.571	ng	# 51
67) 4-Bromophenyl-phenylether	15.973	248	10285	4.159	ng	# 1
77) Benzidine	19.850	184	20158	5.434	ng	95
80) Butylbenzylphthalate	20.555	149	56	3.645	ng	# 44

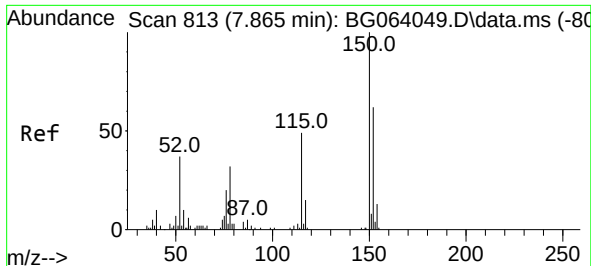
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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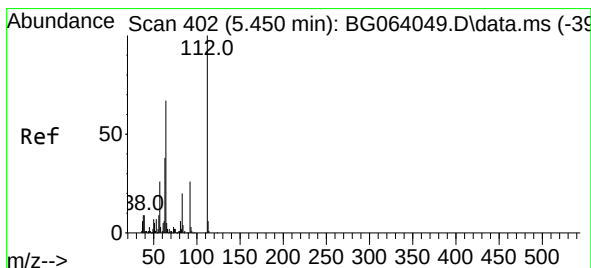
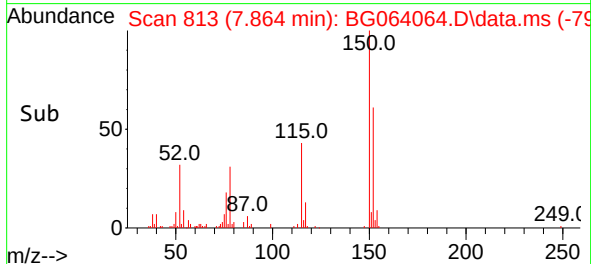
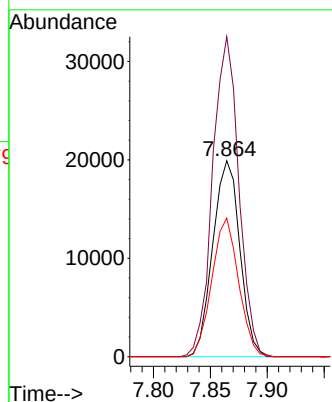
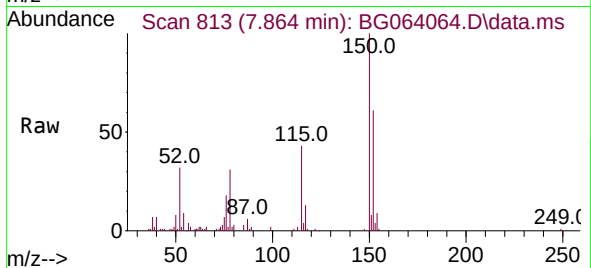




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 813
Delta R.T. -0.001 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

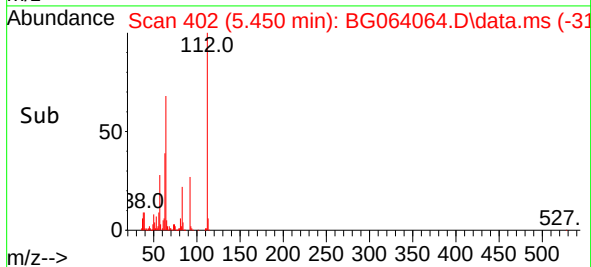
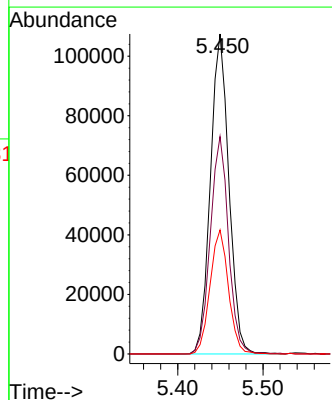
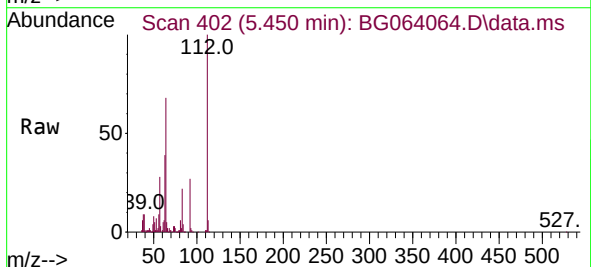
Instrument :
BNA_G
ClientSampleId :
FB03062025

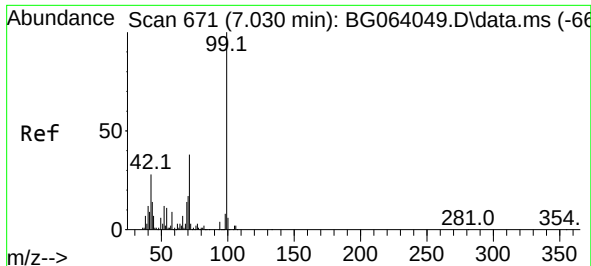
Tgt Ion:152 Resp: 32854
Ion Ratio Lower Upper
152 100
150 163.3 129.2 193.8
115 70.7 63.0 94.6



#5
2-Fluorophenol
Concen: 76.958 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:112 Resp: 161925
Ion Ratio Lower Upper
112 100
64 67.9 53.7 80.5
63 38.8 30.2 45.4

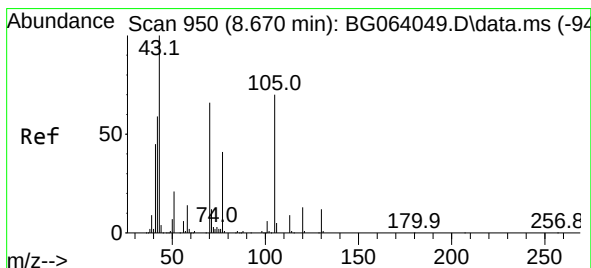
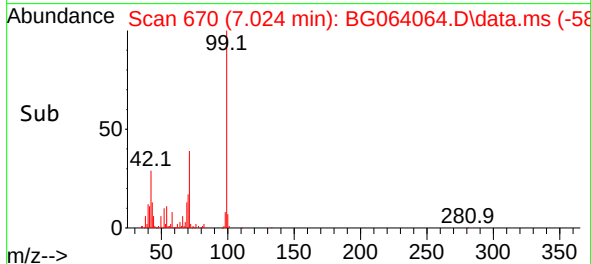
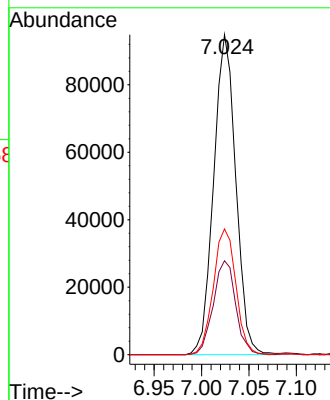
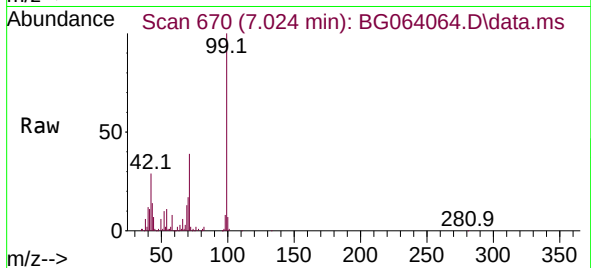




#7
Phenol-d6
Concen: 53.905 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

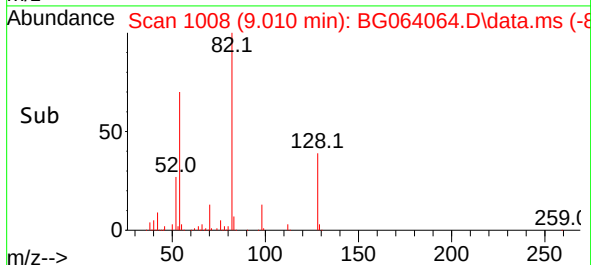
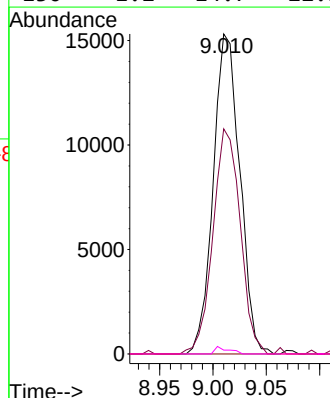
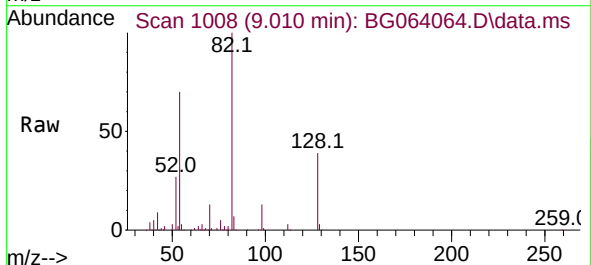
Instrument :
BNA_G
ClientSampleId :
FB03062025

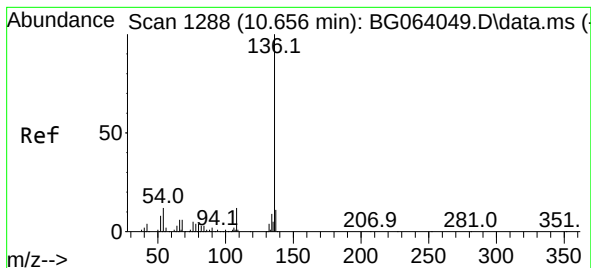
Tgt Ion: 99 Resp: 154295
Ion Ratio Lower Upper
99 100
42 29.4 22.7 34.1
71 39.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.213 ng
RT: 9.010 min Scan# 1008
Delta R.T. 0.340 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion: 70 Resp: 26543
Ion Ratio Lower Upper
70 100
42 70.3 72.1 108.1#
101 0.0 7.2 10.8#
130 1.2 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.649 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

Instrument :

BNA_G

ClientSampleId :

FB03062025

Tgt Ion:136 Resp: 141929

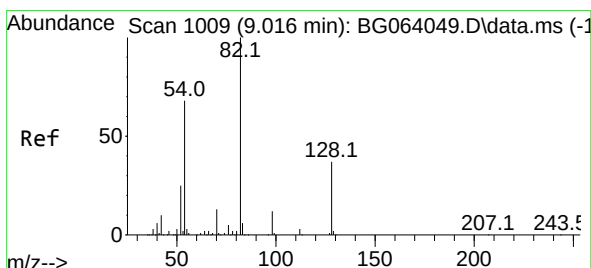
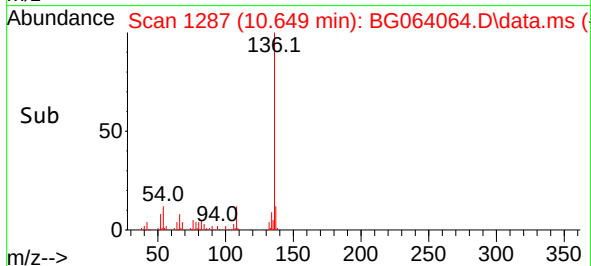
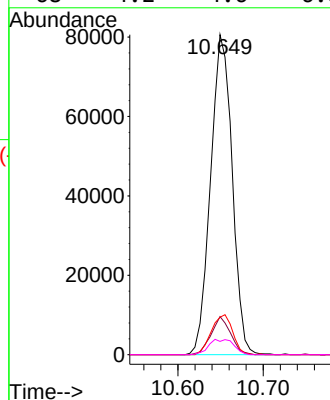
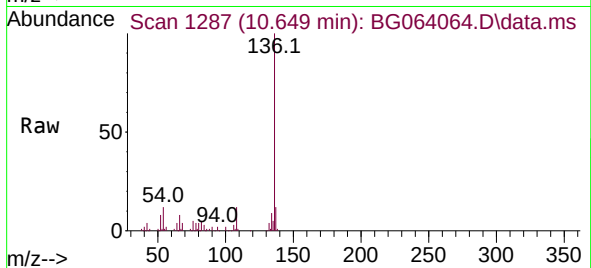
Ion Ratio Lower Upper

136 100

137 11.9 8.5 12.7

54 11.7 9.9 14.9

68 4.2 4.6 6.8#



#23

Nitrobenzene-d5

Concen: 79.265 ng

RT: 9.016 min Scan# 1009

Delta R.T. -0.000 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

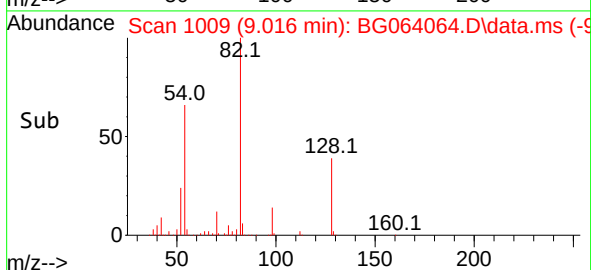
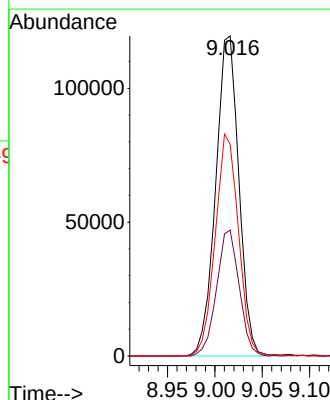
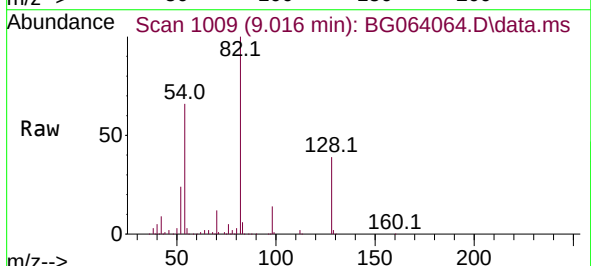
Tgt Ion: 82 Resp: 203577

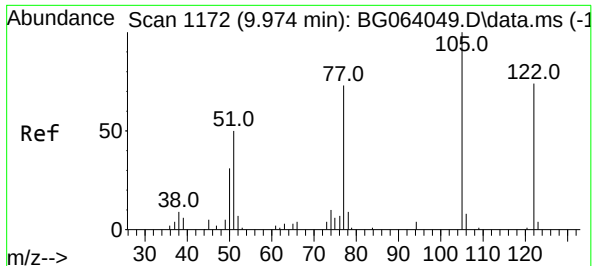
Ion Ratio Lower Upper

82 100

128 39.3 30.0 45.0

54 66.2 54.7 82.1





#32

Benzoic acid

Concen: 8.723 ng

RT: 9.985 min Scan# 1174

Delta R.T. 0.011 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

Instrument :

BNA_G

ClientSampleId :

FB03062025

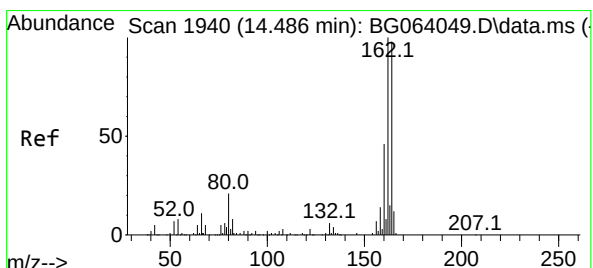
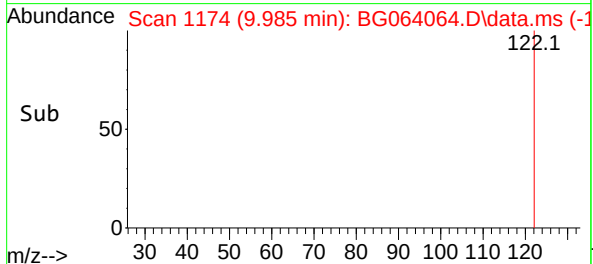
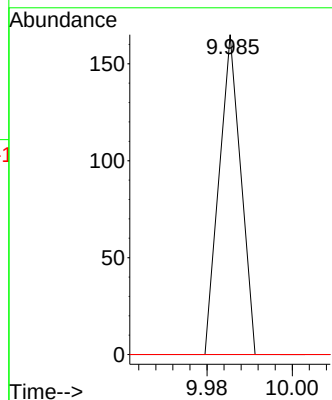
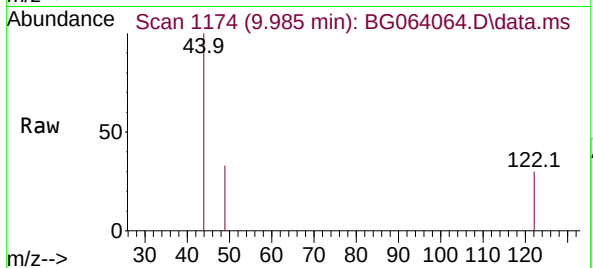
Tgt Ion:122 Resp: 58

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: 14.486 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

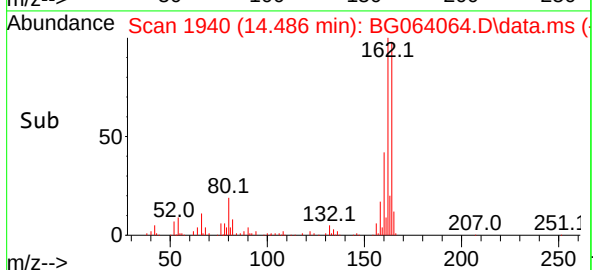
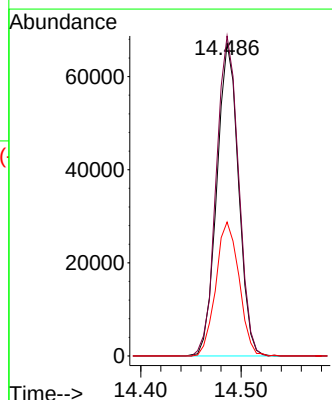
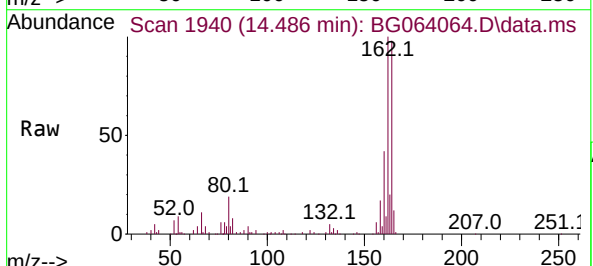
Tgt Ion:164 Resp: 100513

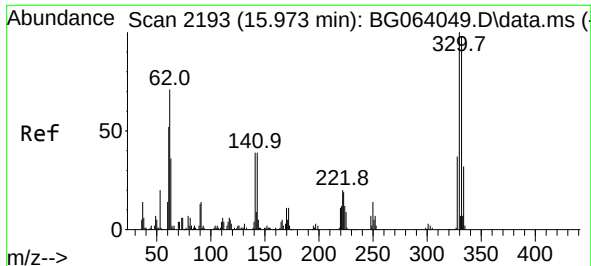
Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

160 42.8 37.0 55.6

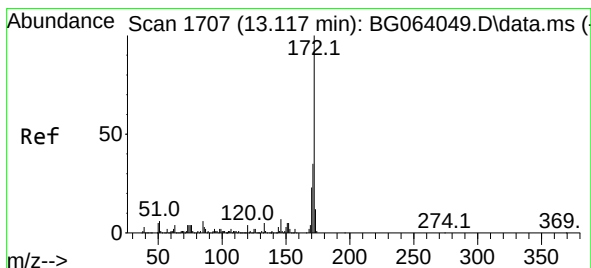
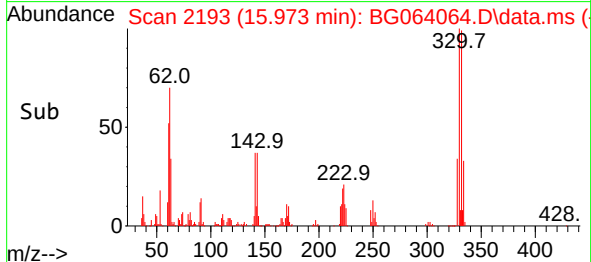
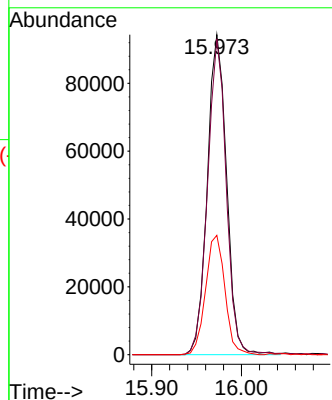
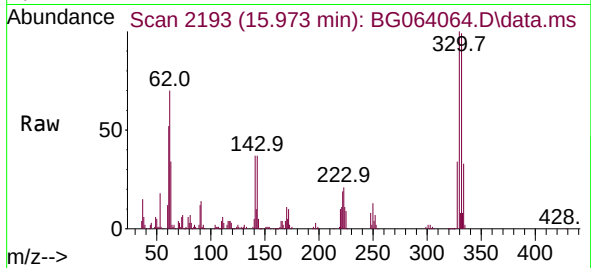




#42
2,4,6-Tribromophenol
Concen: 126.028 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

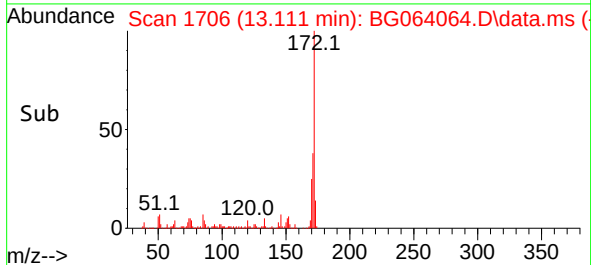
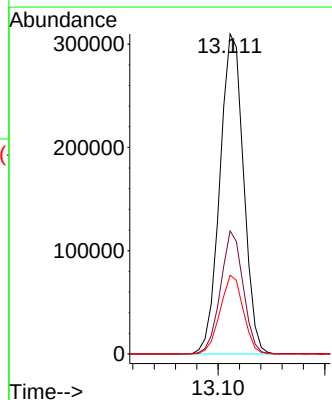
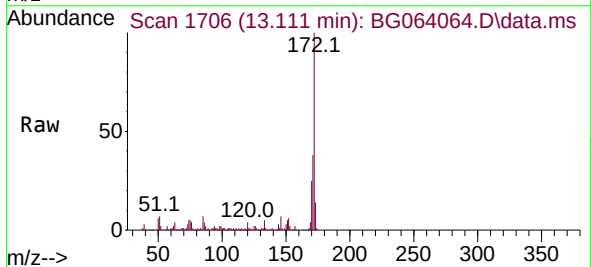
Instrument :
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ClientSampleId :
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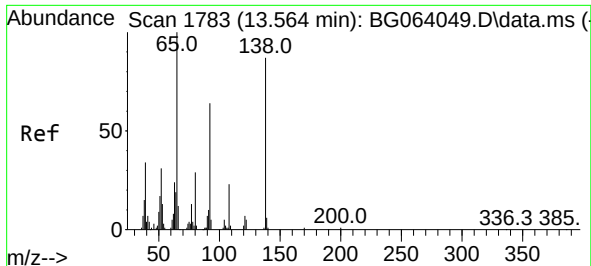
Tgt Ion:330 Resp: 140808
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 37.4 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 72.108 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:172 Resp: 477492
Ion Ratio Lower Upper
172 100
171 38.5 28.0 42.0
170 24.6 18.7 28.1

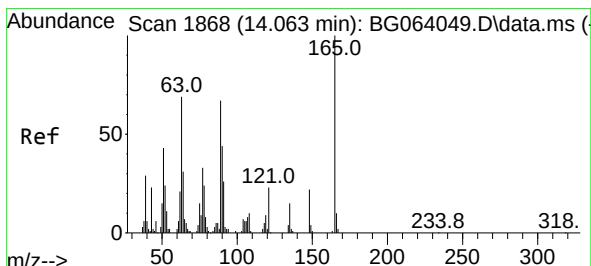
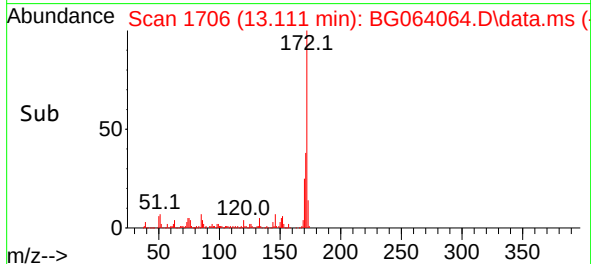
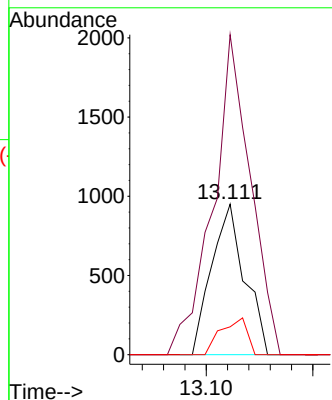
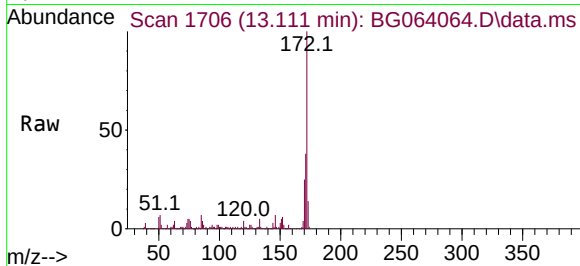




#48
2-Nitroaniline
Concen: 3.812 ng
RT: 13.111 min Scan# 11
Delta R.T. -0.453 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

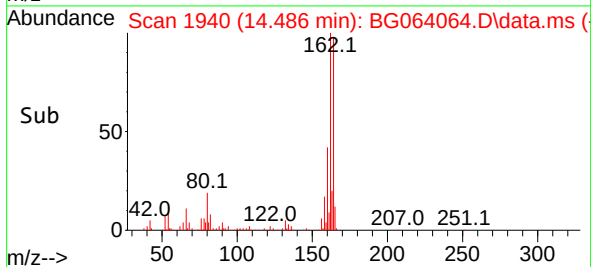
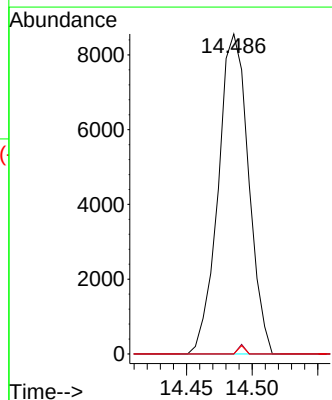
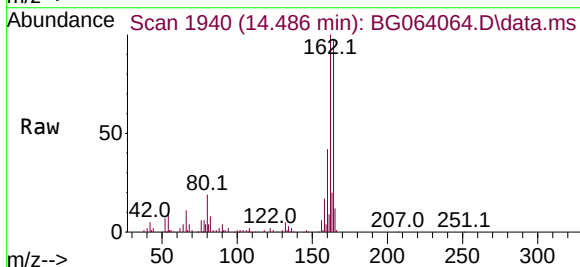
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BNA_G
ClientSampleId :
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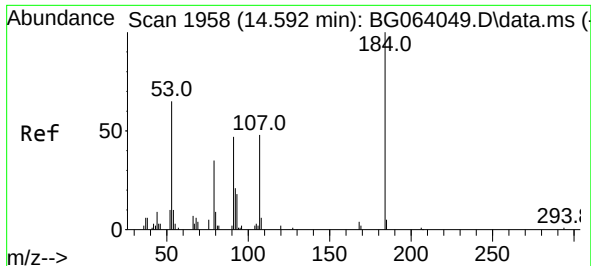
Tgt Ion: 65 Resp: 1027
Ion Ratio Lower Upper
65 100
92 212.6 51.2 76.8#
138 18.4 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.869 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.423 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:165 Resp: 13775
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 0.0 53.7 80.5#

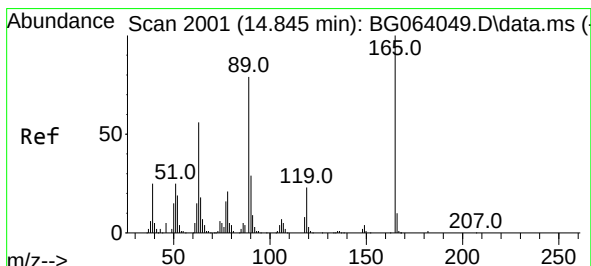
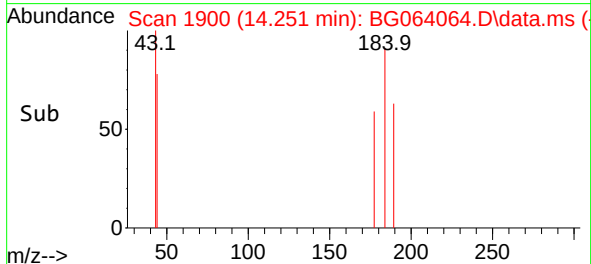
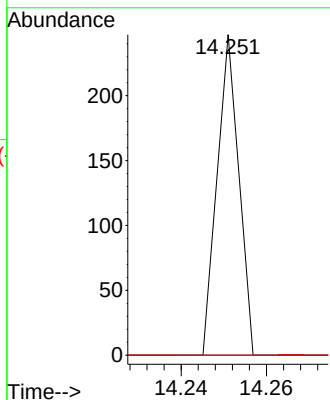
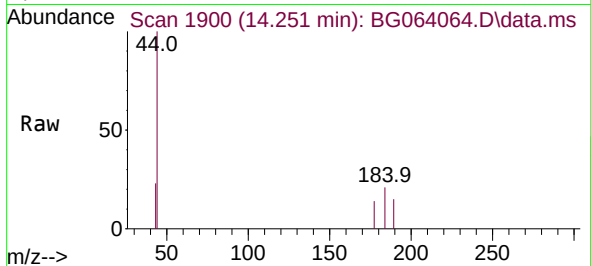




#54
2,4-Dinitrophenol
Concen: 8.007 ng
RT: 14.251 min Scan# 1940
Delta R.T. -0.341 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

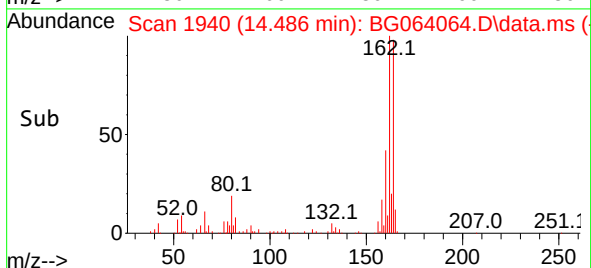
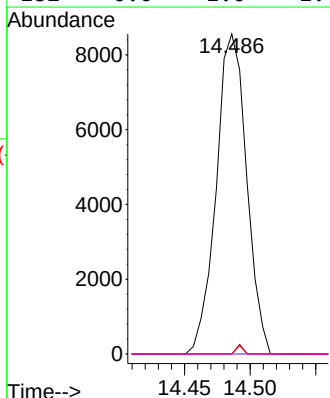
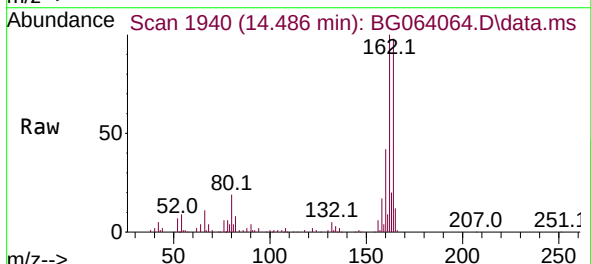
Instrument :
BNA_G
ClientSampleId :
FB03062025

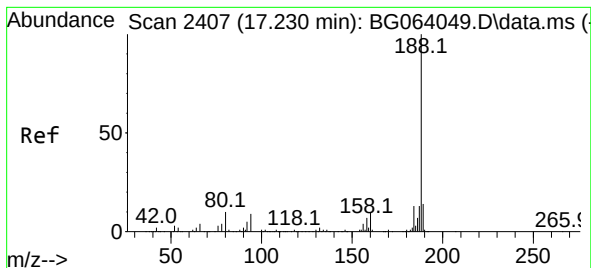
Tgt Ion:184 Resp: 87
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#



#57
2,4-Dinitrotoluene
Concen: 9.774 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.359 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:165 Resp: 13775
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 0.0 63.1 94.7#
182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.006 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

Instrument :

BNA_G

ClientSampleId :

FB03062025

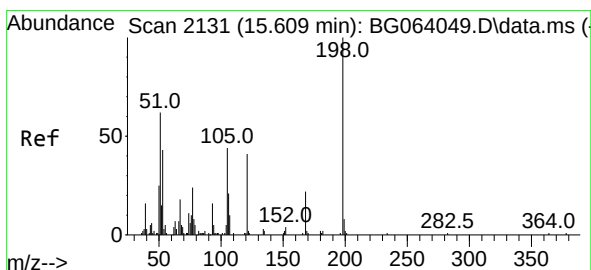
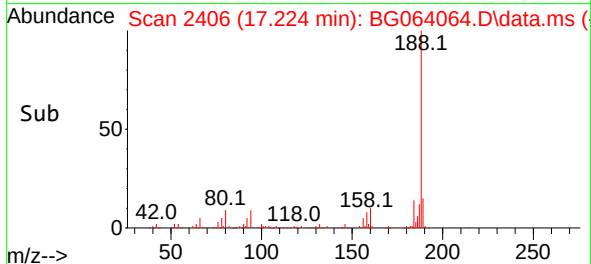
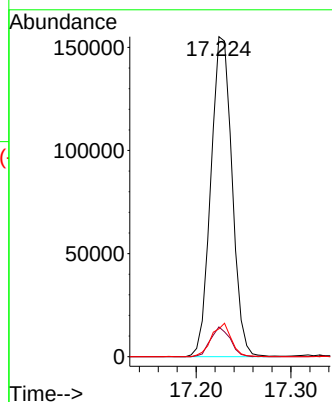
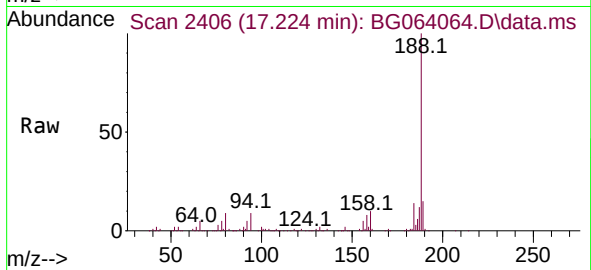
Tgt Ion:188 Resp: 241431

Ion Ratio Lower Upper

188 100

94 9.3 6.9 10.3

80 8.7 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.571 ng

RT: 15.978 min Scan# 2194

Delta R.T. 0.369 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

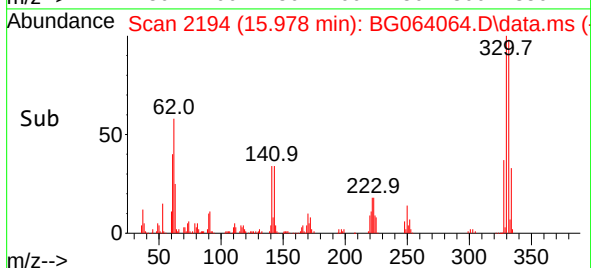
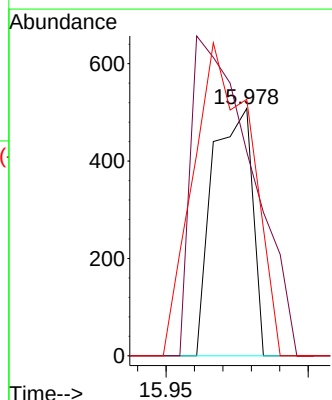
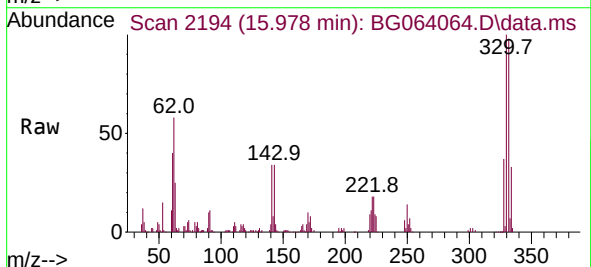
Tgt Ion:198 Resp: 493

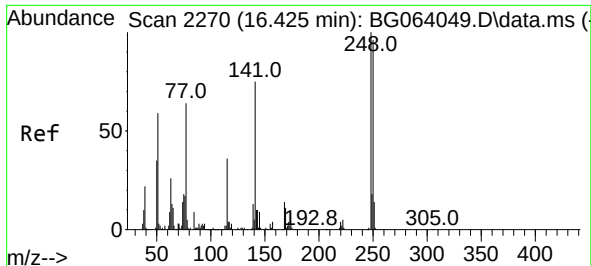
Ion Ratio Lower Upper

198 100

51 82.5 45.6 85.6

105 103.7 25.3 65.3#

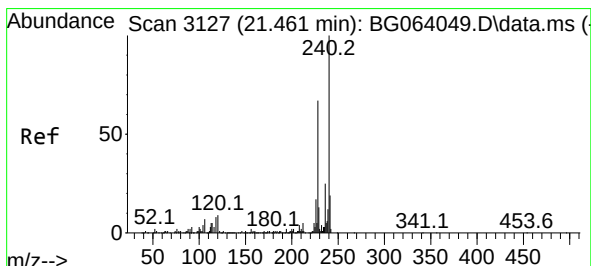
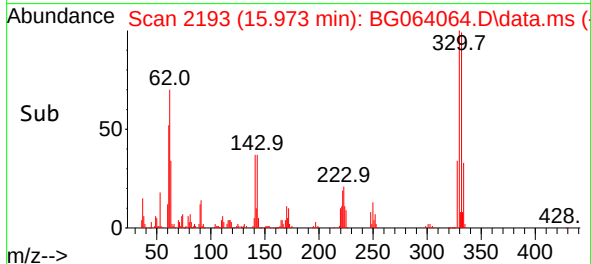
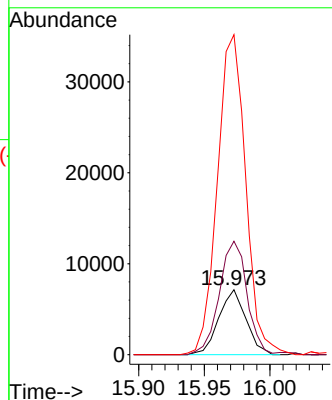
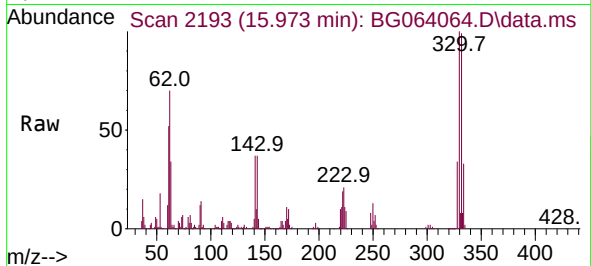




#67
4-Bromophenyl-phenylether
Concen: 4.159 ng
RT: 15.973 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

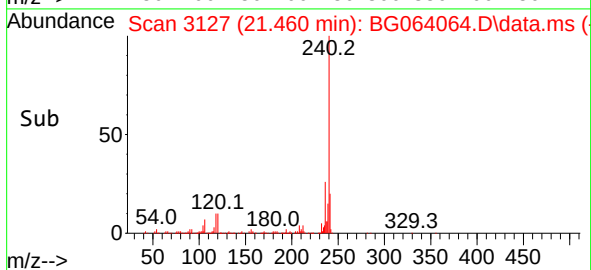
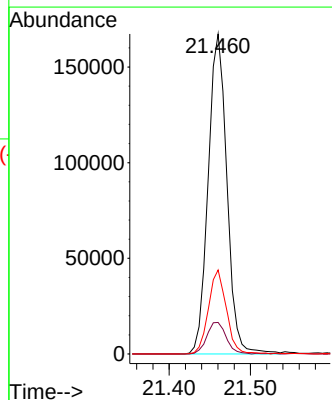
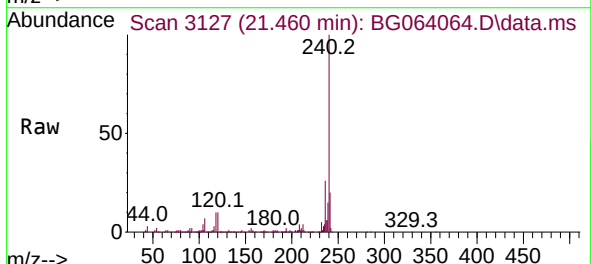
Instrument :
BNA_G
ClientSampleId :
FB03062025

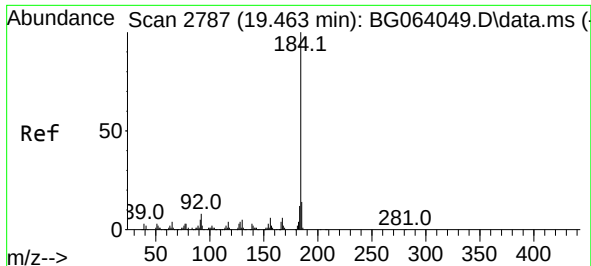
Tgt Ion:248 Resp: 10285
Ion Ratio Lower Upper
248 100
250 174.7 77.1 115.7#
141 492.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:240 Resp: 267874
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 26.3 20.2 30.2

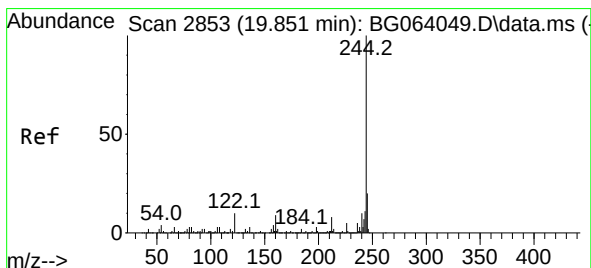
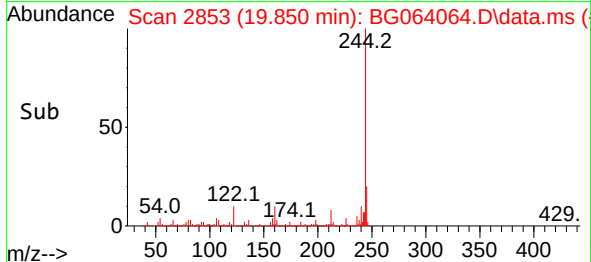
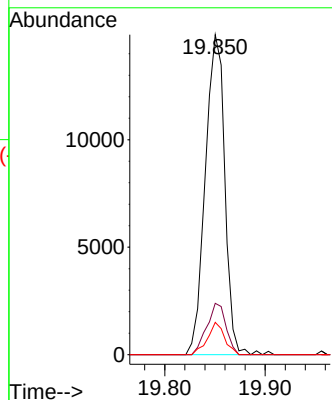
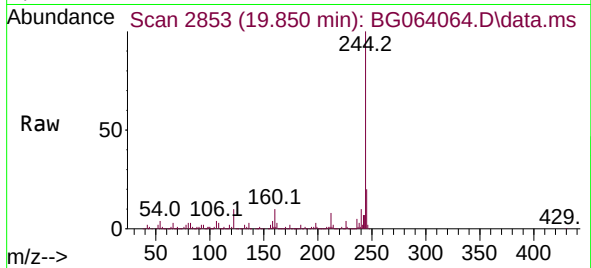




#77
Benzidine
Concen: 5.434 ng
RT: 19.850 min Scan# 2853
Delta R.T. 0.387 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

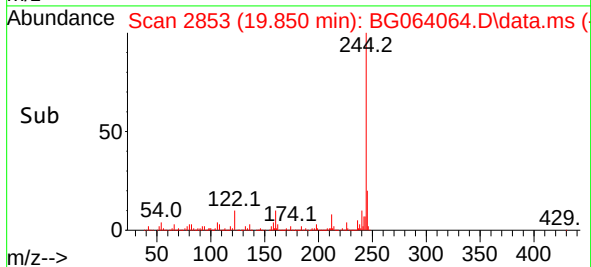
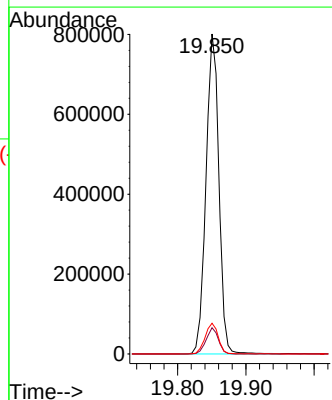
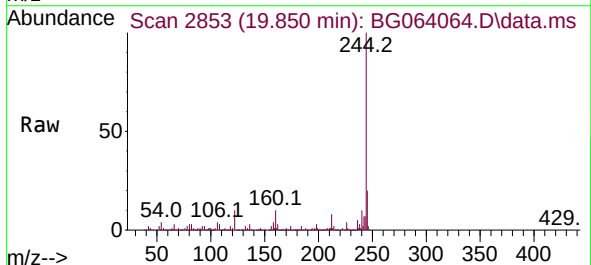
Instrument :
BNA_G
ClientSampleId :
FB03062025

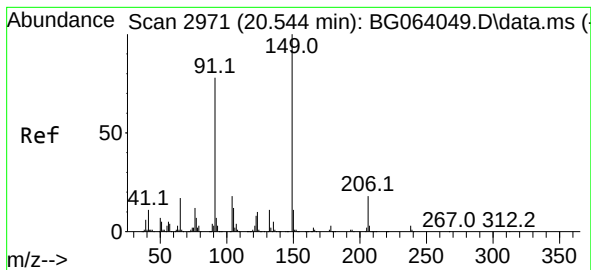
Tgt Ion:184 Resp: 20158
Ion Ratio Lower Upper
184 100
185 16.0 11.3 16.9
183 10.1 9.5 14.3



#79
Terphenyl-d14
Concen: 79.507 ng
RT: 19.850 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:244 Resp: 1053306
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.4
122 9.6 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.645 ng

RT: 20.555 min Scan# 2971

Delta R.T. 0.011 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

Instrument :

BNA_G

ClientSampleId :

FB03062025

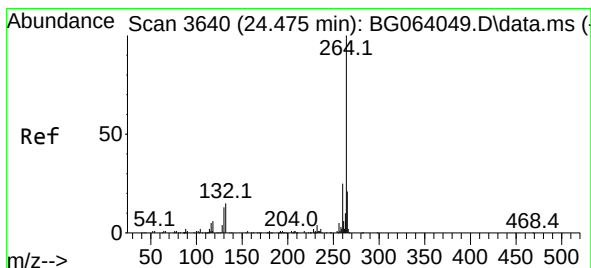
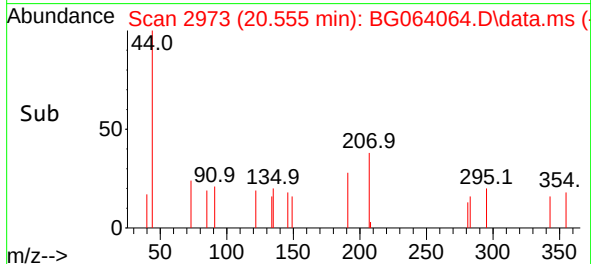
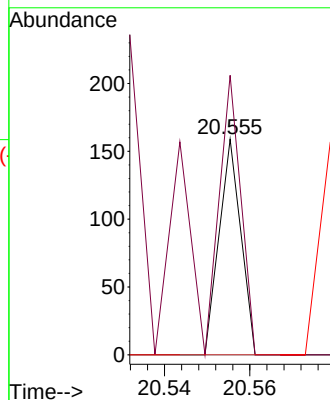
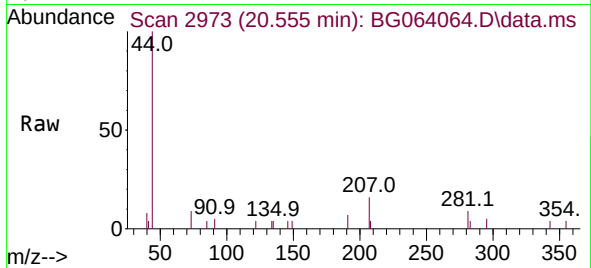
Tgt Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 129.6 62.0 93.0#

206 0.0 14.6 21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3640

Delta R.T. -0.000 min

Lab File: BG064064.D

Acq: 7 Mar 2025 18:21

Tgt Ion:264 Resp: 281608

Ion Ratio Lower Upper

264 100

260 23.0 19.6 29.4

265 21.9 16.6 25.0

