

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064057.D
 Acq On : 7 Mar 2025 13:37
 Operator : RC/JU
 Sample : PB167031BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB167031BL

Quant Time: Mar 07 14:20:27 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)

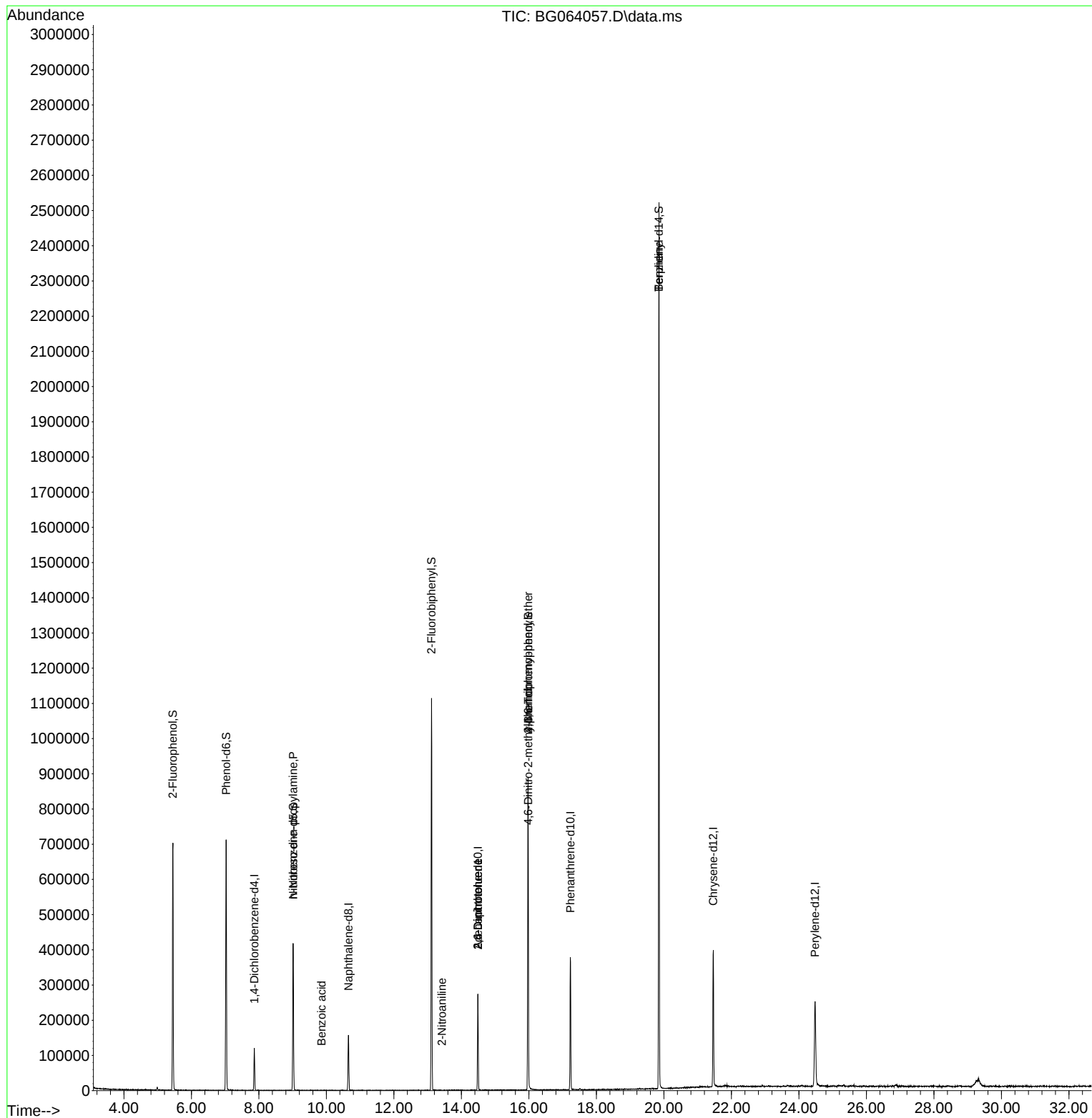
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	29333	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	120699	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	87279	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	222662	20.000	ng	0.00
76) Chrysene-d12	21.462	240	230159	20.000	ng	0.00
86) Perylene-d12	24.476	264	246932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	262956	139.976	ng	0.00
7) Phenol-d6	7.026	99	342200	133.902	ng	0.00
23) Nitrobenzene-d5	9.012	82	215185	98.522	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	146075	150.567	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	541325	94.143	ng	0.00
79) Terphenyl-d14	19.852	244	1142139	100.339	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.012	70	28627	15.961	ng	# 73
32) Benzoic acid	9.858	122	59	8.730	ng	# 1
48) 2-Nitroaniline	13.425	65	54	3.250	ng	# 11
51) 2,6-Dinitrotoluene	14.488	165	11613	11.621	ng	# 15
57) 2,4-Dinitrotoluene	14.488	165	11613	9.596	ng	# 16
65) 4,6-Dinitro-2-methylph...	15.980	198	473	8.587	ng	# 20
67) 4-Bromophenyl-phenylether	15.975	248	10133	4.443	ng	# 1
77) Benzidine	19.852	184	21240	6.664	ng	# 94

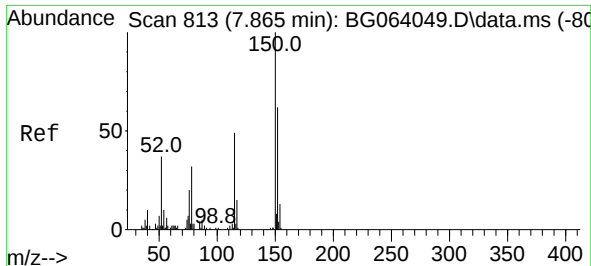
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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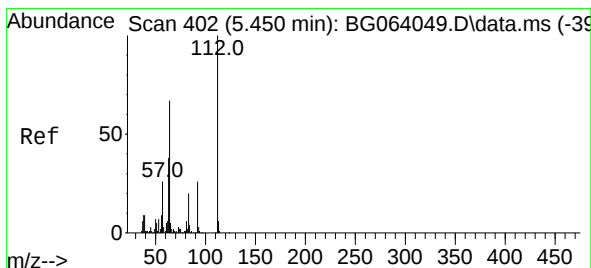
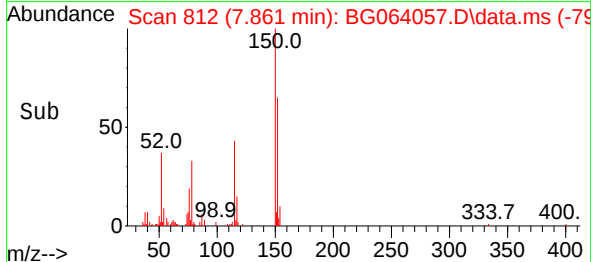
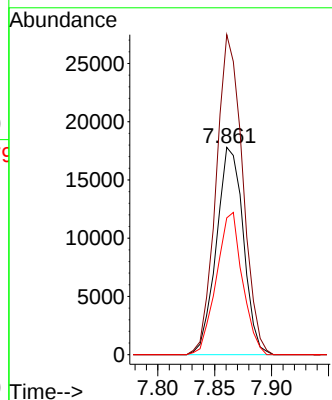
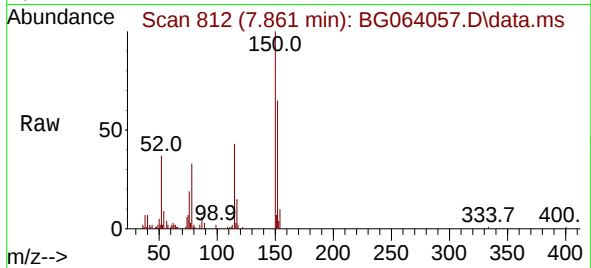




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.005 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

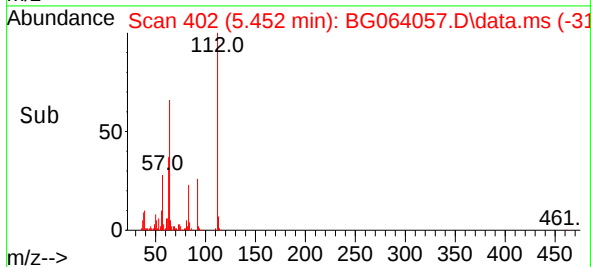
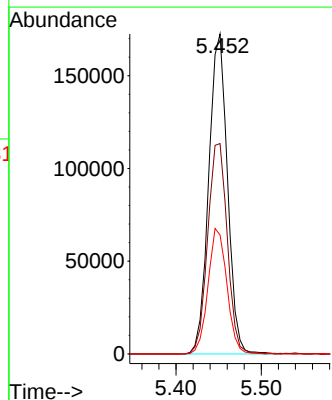
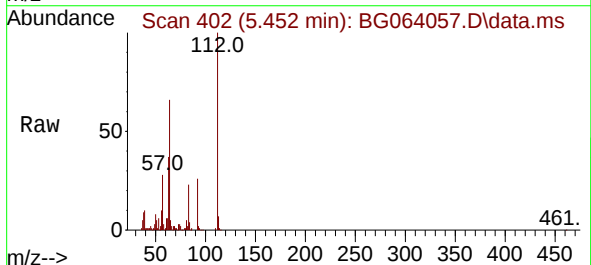
Instrument :
BNA_G
ClientSampleId :
PB167031BL

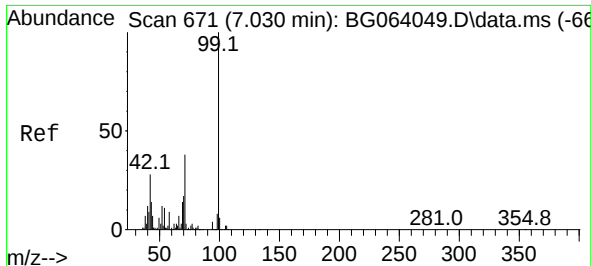
Tgt Ion:152 Resp: 29333
Ion Ratio Lower Upper
152 100
150 154.3 129.2 193.8
115 66.0 63.0 94.6



#5
2-Fluorophenol
Concen: 139.976 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:112 Resp: 262956
Ion Ratio Lower Upper
112 100
64 65.8 53.7 80.5
63 37.2 30.2 45.4





Phenol-d6

Concen: 133.902 ng

RT: 7.026 min Scan# 61

Delta R.T. -0.004 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

Instrument :

BNA_G

ClientSampleId :

PB167031BL

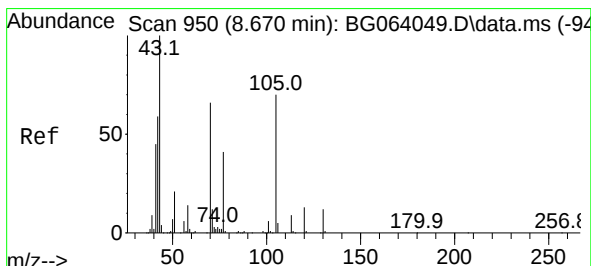
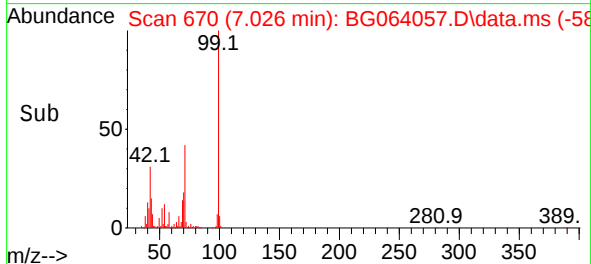
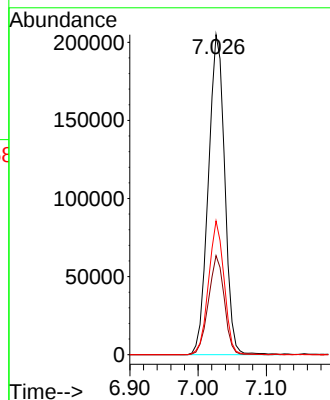
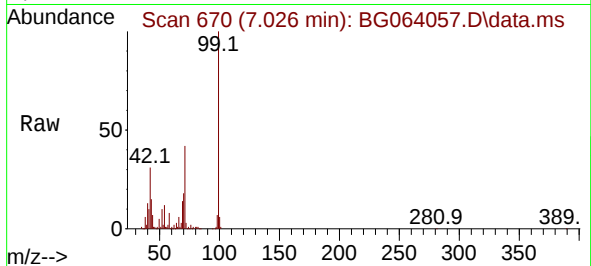
Tgt Ion: 99 Resp: 342200

Ion Ratio Lower Upper

99 100

42 30.9 22.7 34.1

71 41.8 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.961 ng

RT: 9.012 min Scan# 1008

Delta R.T. 0.342 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

Tgt Ion: 70 Resp: 28627

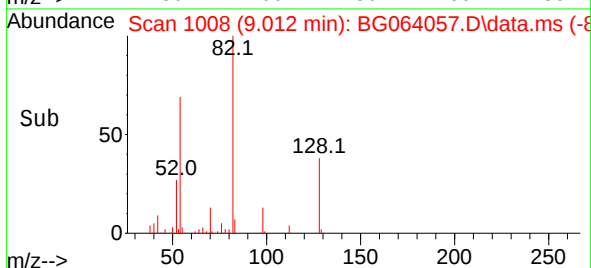
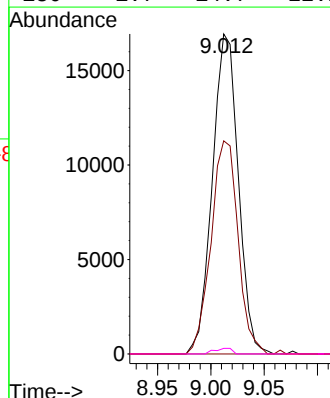
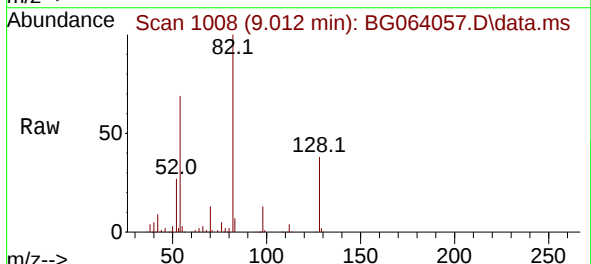
Ion Ratio Lower Upper

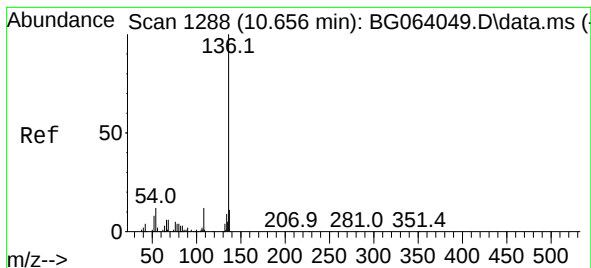
70 100

42 66.6 72.1 108.1#

101 0.0 7.2 10.8#

130 1.7 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.651 min Scan# 1287

Delta R.T. -0.005 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

Instrument :

BNA_G

ClientSampleId :

PB167031BL

Tgt Ion:136 Resp: 120699

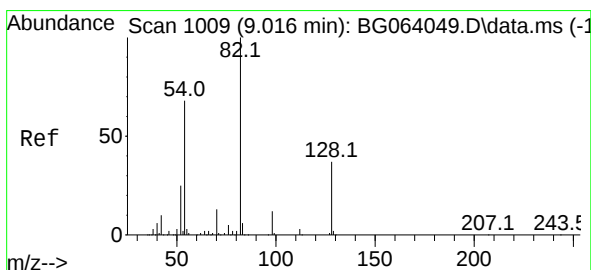
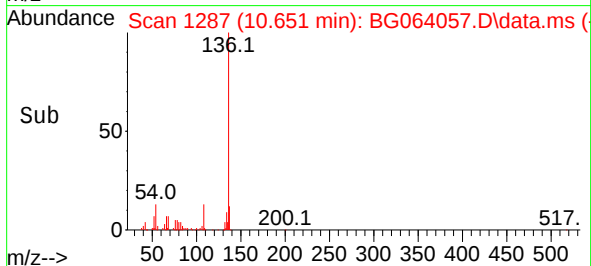
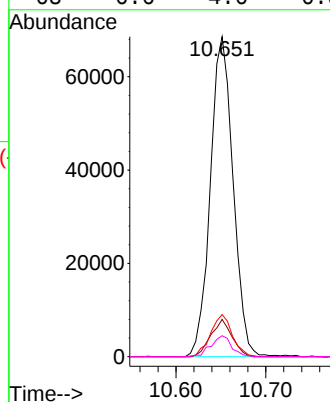
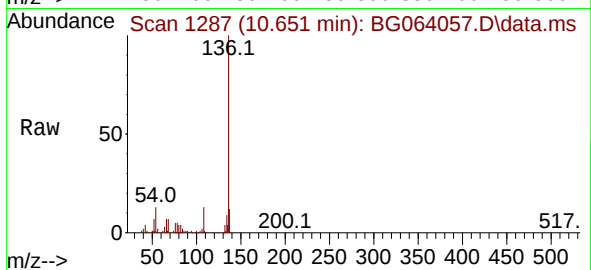
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 13.2 9.9 14.9

68 6.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 98.522 ng

RT: 9.012 min Scan# 1008

Delta R.T. -0.004 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

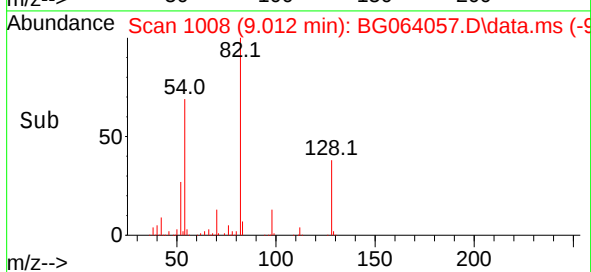
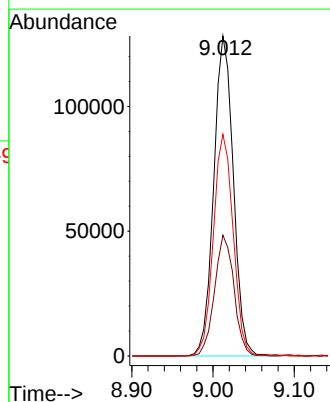
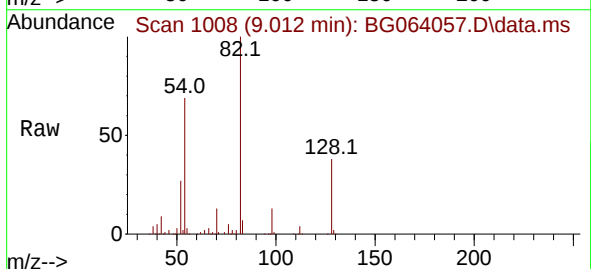
Tgt Ion: 82 Resp: 215185

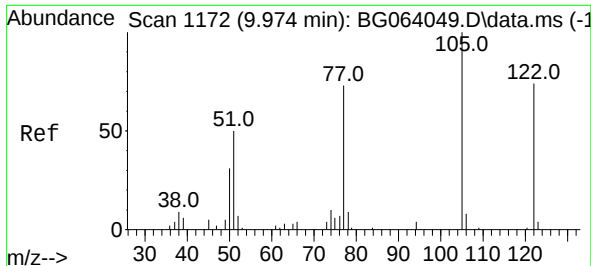
Ion Ratio Lower Upper

82 100

128 37.8 30.0 45.0

54 69.2 54.7 82.1





#32

Benzoic acid

Concen: 8.730 ng

RT: 9.858 min Scan# 1152

Delta R.T. -0.116 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

Instrument :

BNA_G

ClientSampleId :

PB167031BL

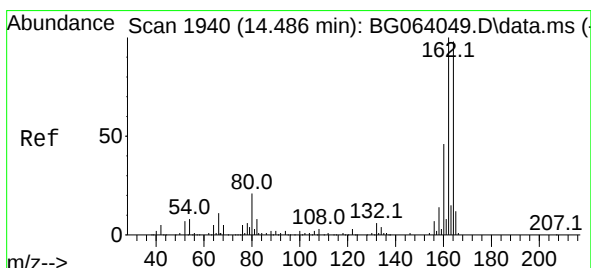
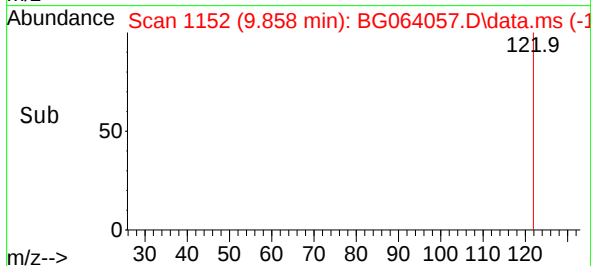
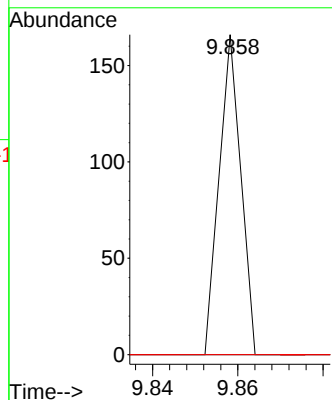
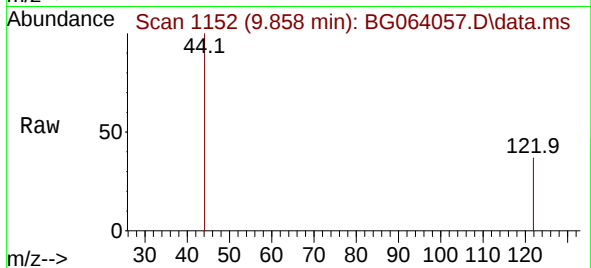
Tgt Ion:122 Resp: 59

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: 14.488 min Scan# 1940

Delta R.T. 0.002 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

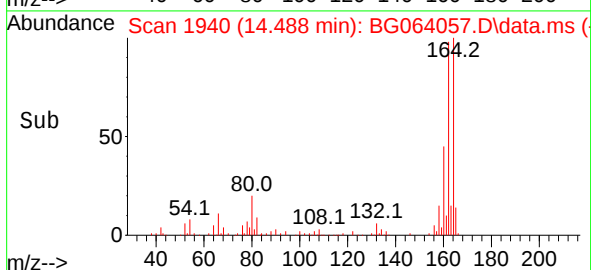
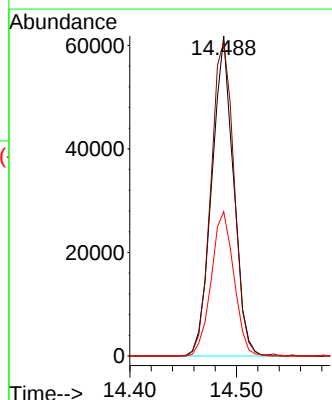
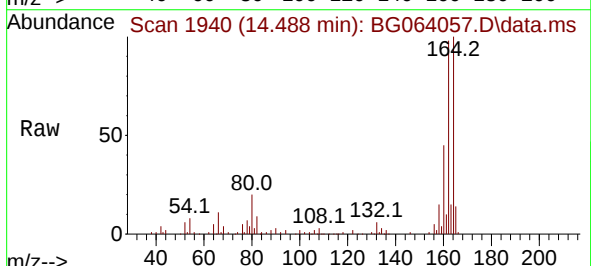
Tgt Ion:164 Resp: 87279

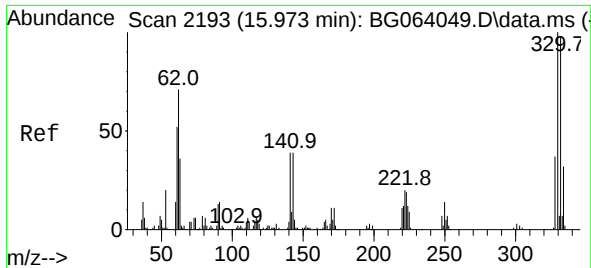
Ion Ratio Lower Upper

164 100

162 98.1 81.4 122.0

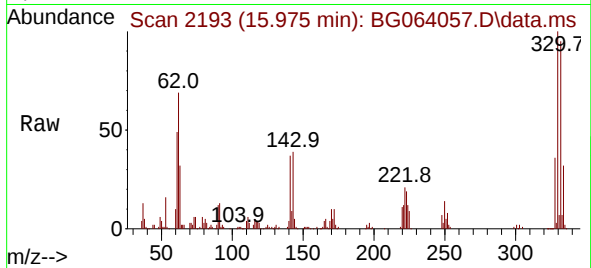
160 45.1 37.0 55.6



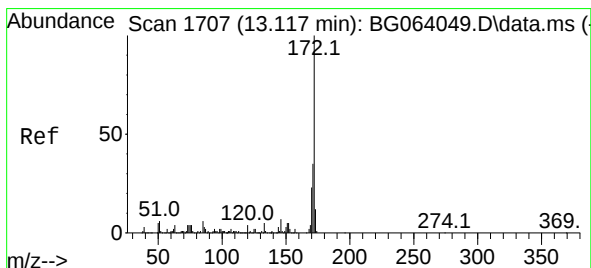
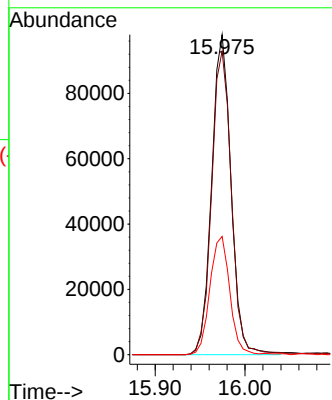
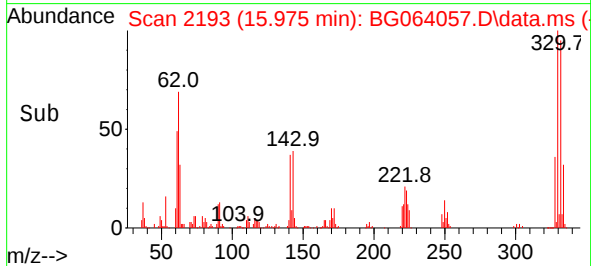


#42
2,4,6-Tribromophenol
Concen: 150.567 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

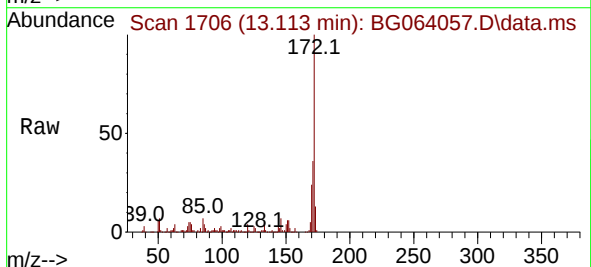
Instrument :
BNA_G
ClientSampleId :
PB167031BL



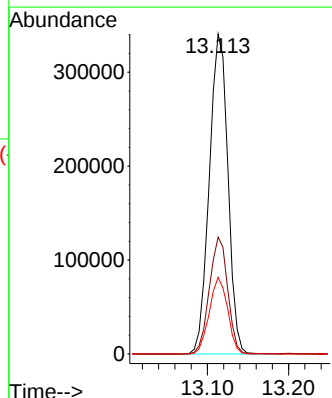
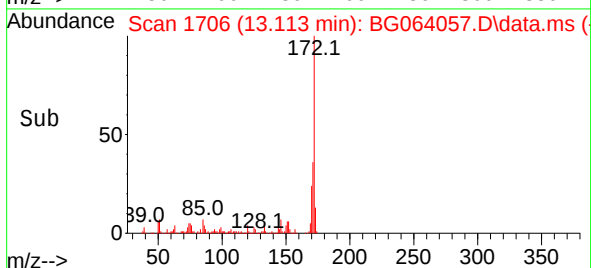
Tgt Ion:330 Resp: 146075
Ion Ratio Lower Upper
330 100
332 97.3 76.7 115.1
141 38.3 29.7 44.5

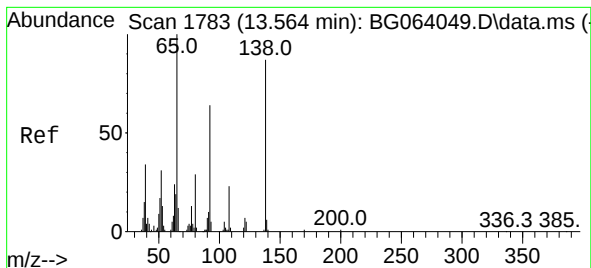


#45
2-Fluorobiphenyl
Concen: 94.143 ng
RT: 13.113 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37



Tgt Ion:172 Resp: 541325
Ion Ratio Lower Upper
172 100
171 36.5 28.0 42.0
170 23.9 18.7 28.1

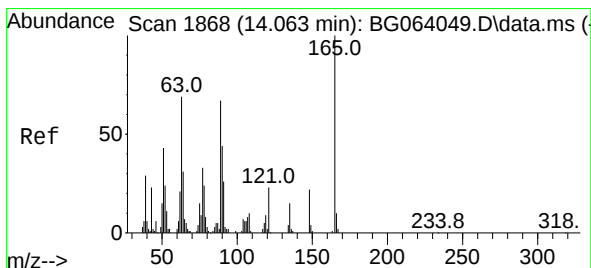
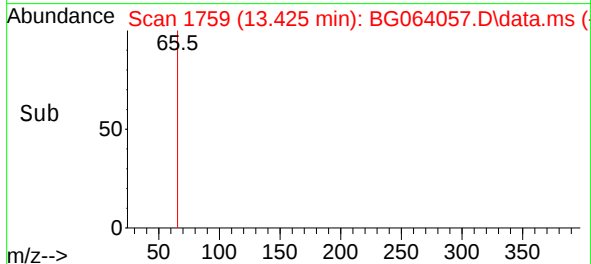
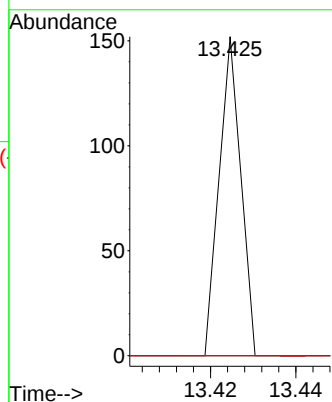
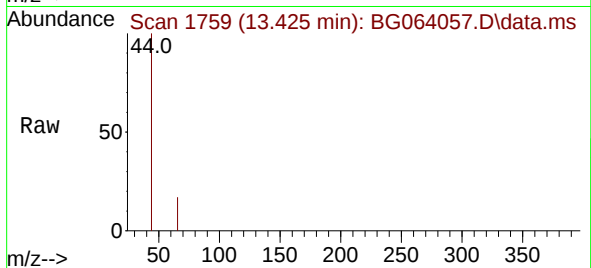




#48
2-Nitroaniline
Concen: 3.250 ng
RT: 13.425 min Scan# 11
Delta R.T. -0.139 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

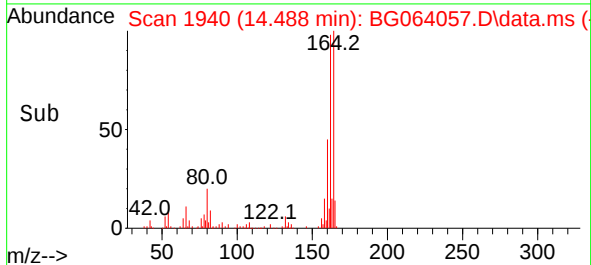
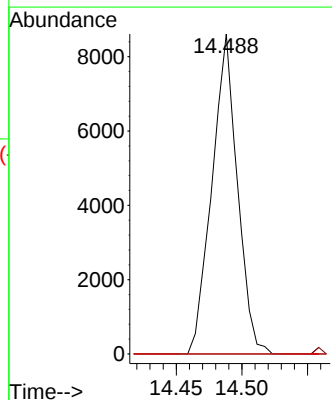
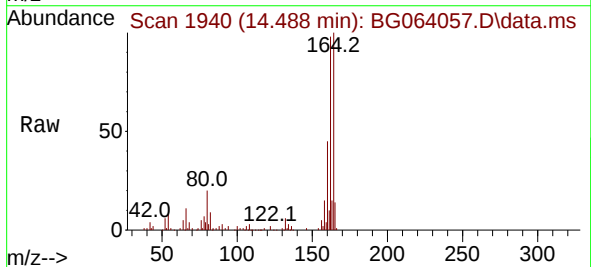
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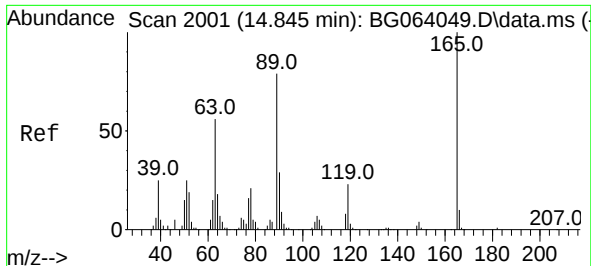
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#



#51
2,6-Dinitrotoluene
Concen: 11.621 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.425 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

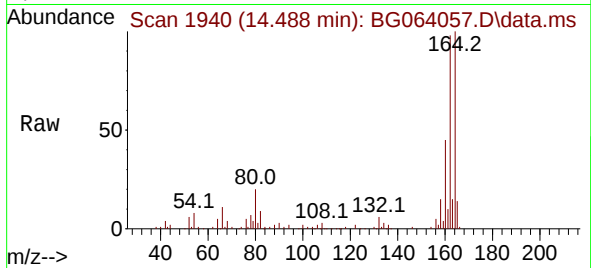
Tgt Ion:165 Resp: 11613
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 0.0 53.7 80.5#



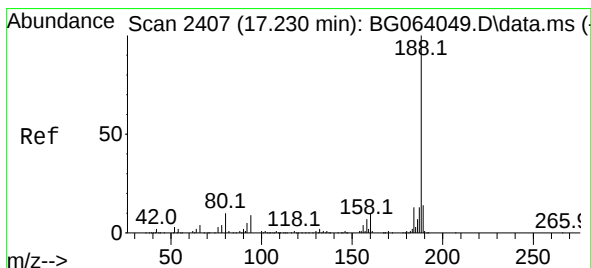
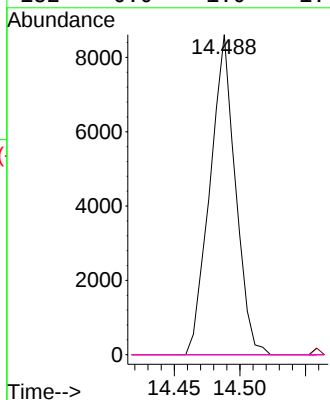
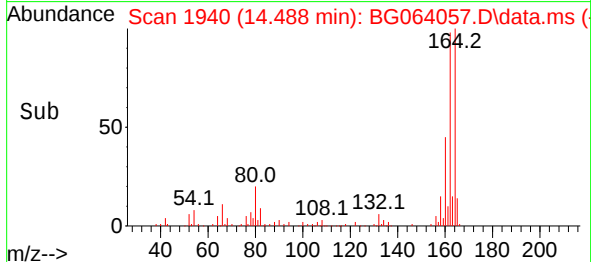


#57
2,4-Dinitrotoluene
Concen: 9.596 ng
RT: 14.488 min Scan# 1940
Delta R.T. -0.357 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

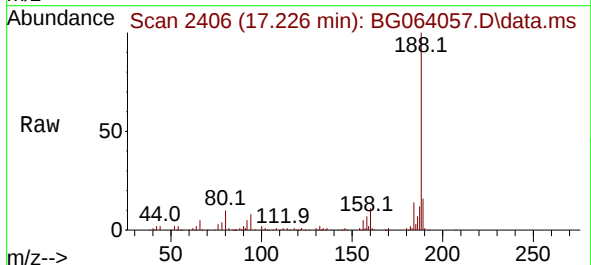
Instrument :
BNA_G
ClientSampleId :
PB167031BL



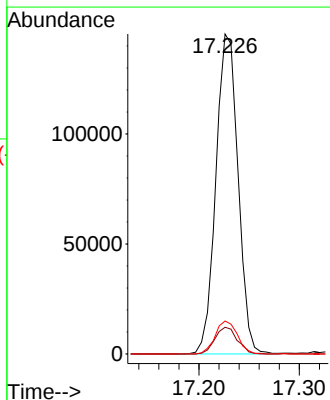
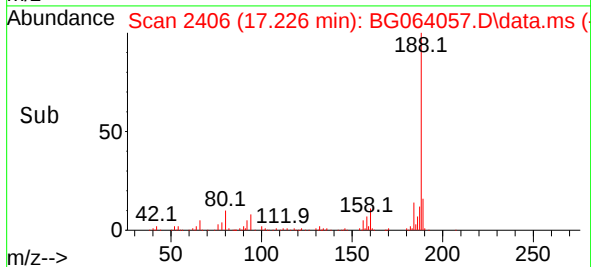
Tgt Ion:	165	Resp:	11613
Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	63.1	94.7#
182	0.0	1.0	1.4#

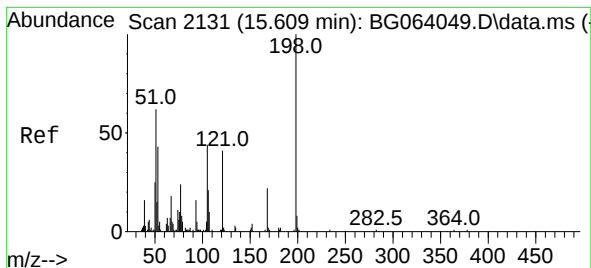


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37



Tgt Ion:	188	Resp:	222662
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.3	8.1	12.1

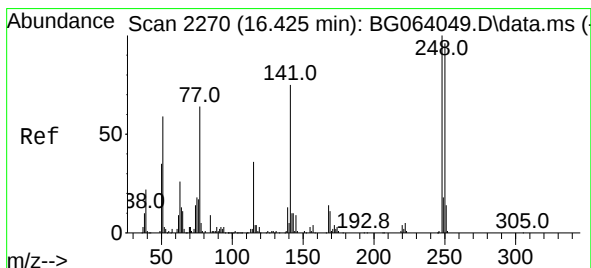
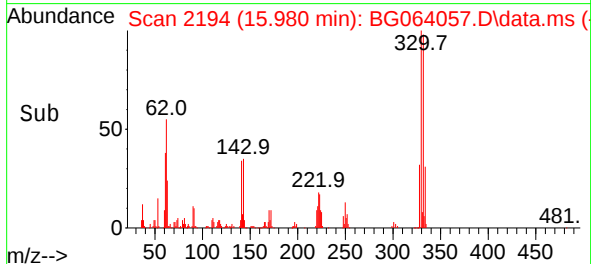
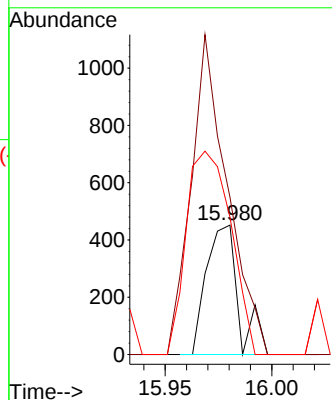
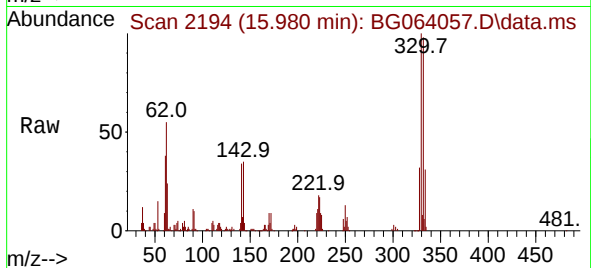




#65
4,6-Dinitro-2-methylphenol
Concen: 8.587 ng
RT: 15.980 min Scan# 2131
Delta R.T. 0.371 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

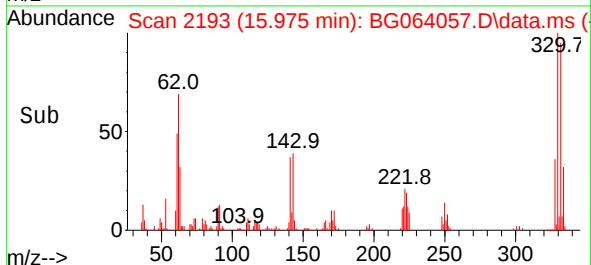
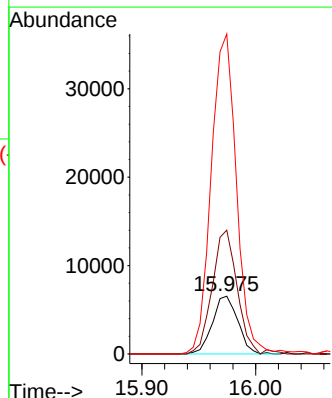
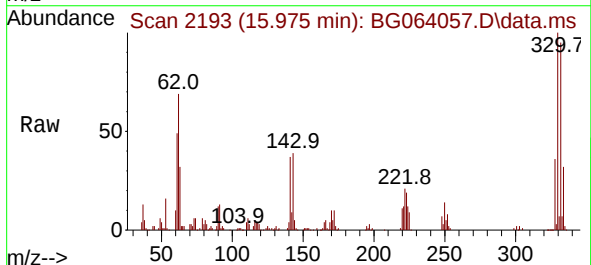
Instrument :
BNA_G
ClientSampleId :
PB167031BL

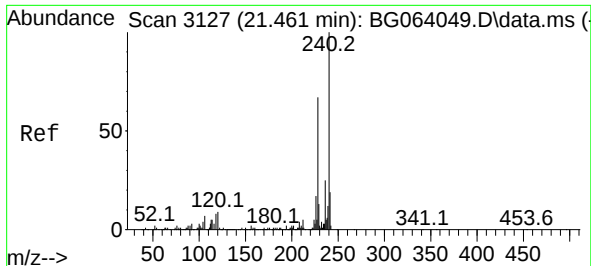
Tgt Ion:198 Resp: 473
Ion Ratio Lower Upper
198 100
51 121.7 45.6 85.6#
105 106.2 25.3 65.3#



#67
4-Bromophenyl-phenylether
Concen: 4.443 ng
RT: 15.975 min Scan# 2193
Delta R.T. -0.451 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:248 Resp: 10133
Ion Ratio Lower Upper
248 100
250 214.6 77.1 115.7#
141 554.4 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3127

Delta R.T. 0.002 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

Instrument :

BNA_G

ClientSampleId :

PB167031BL

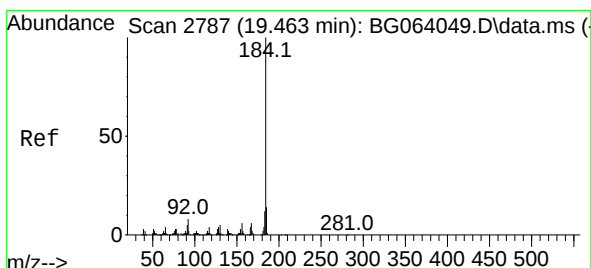
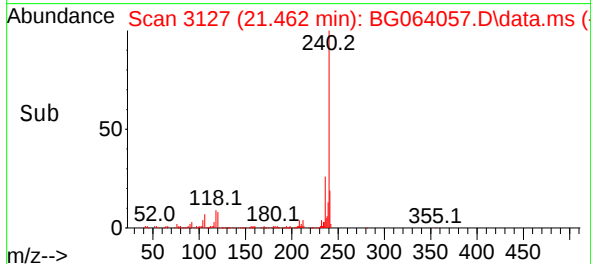
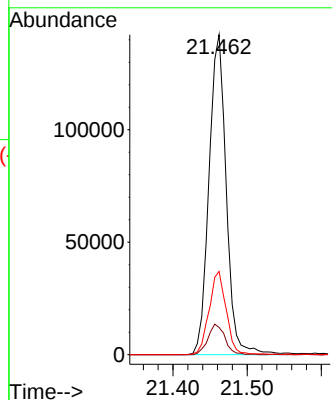
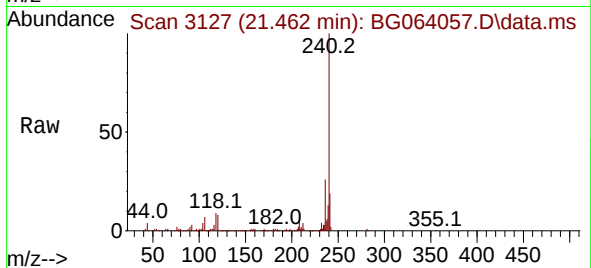
Tgt Ion:240 Resp: 230159

Ion Ratio Lower Upper

240 100

120 8.5 7.2 10.8

236 26.0 20.2 30.2



#77

Benzidine

Concen: 6.664 ng

RT: 19.852 min Scan# 2853

Delta R.T. 0.389 min

Lab File: BG064057.D

Acq: 7 Mar 2025 13:37

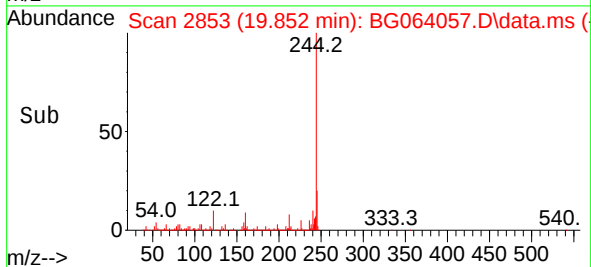
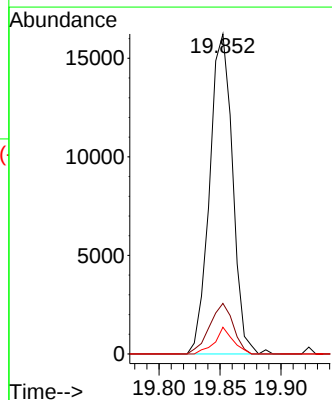
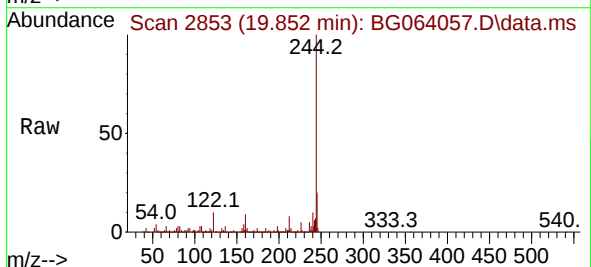
Tgt Ion:184 Resp: 21240

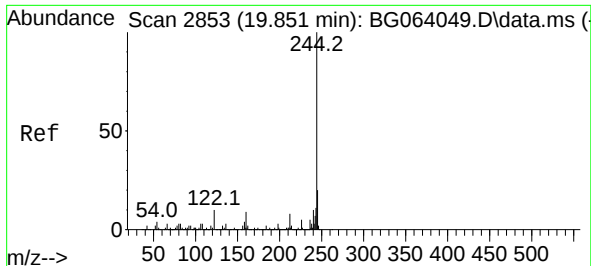
Ion Ratio Lower Upper

184 100

185 15.8 11.3 16.9

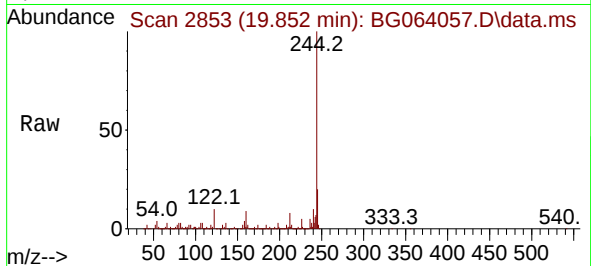
183 8.4 9.5 14.3#



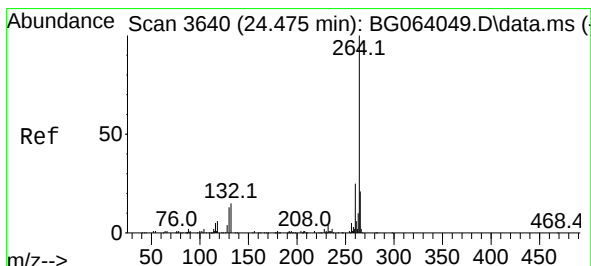
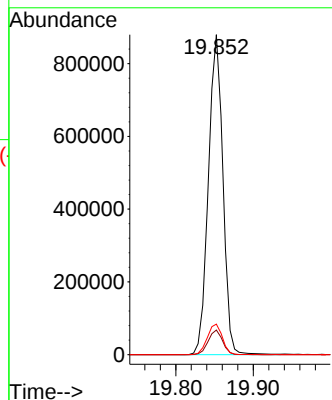
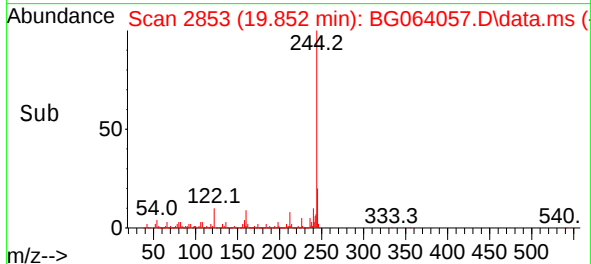


#79
 Terphenyl-d14
 Concen: 100.339 ng
 RT: 19.852 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG064057.D
 Acq: 7 Mar 2025 13:37

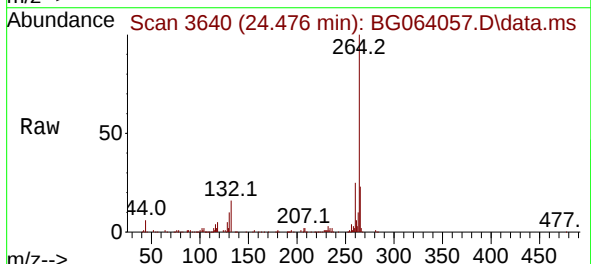
Instrument :
 BNA_G
 ClientSampleId :
 PB167031BL



Tgt Ion:244 Resp: 1142139
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 9.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.476 min Scan# 3640
 Delta R.T. 0.002 min
 Lab File: BG064057.D
 Acq: 7 Mar 2025 13:37



Tgt Ion:264 Resp: 246932
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 23.3 16.6 25.0

