

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064541.D
 Acq On : 17 Oct 2025 18:32
 Operator : RC/JU
 Sample : Q3369-05
 Misc : 8270/625.1 SPIKE
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-21

Quant Time: Oct 17 19:14:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

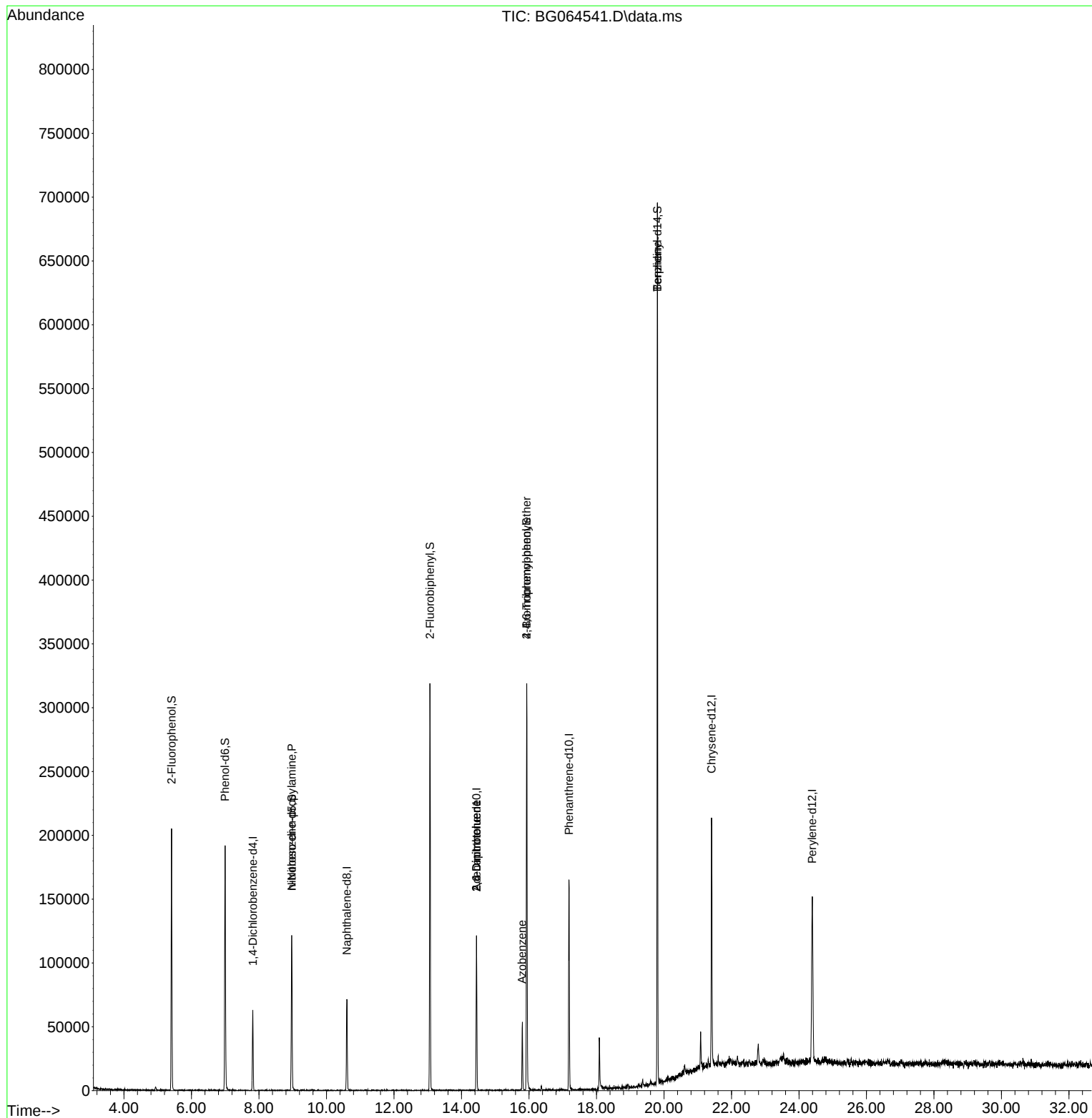
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	15504	20.000	ng	# 0.00
21) Naphthalene-d8	10.603	136	61089	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	42867	20.000	ng	0.00
64) Phenanthrene-d10	17.184	188	104183	20.000	ng	# 0.00
76) Chrysene-d12	21.408	240	118392	20.000	ng	0.00
86) Perylene-d12	24.387	264	131623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	71275	85.080	ng	0.00
7) Phenol-d6	6.996	99	91741	81.490	ng	0.00
23) Nitrobenzene-d5	8.970	82	65021	57.231	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	65760	84.631	ng	0.00
45) 2-Fluorobiphenyl	13.065	172	159154	54.726	ng	0.00
79) Terphenyl-d14	19.804	244	321869	51.451	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.970	70	9489	12.603	ng	# 72
51) 2,6-Dinitrotoluene	14.446	165	5833	8.340	ng	# 12
57) 2,4-Dinitrotoluene	14.446	165	5833	5.456	ng	# 21
63) Azobenzene	15.797	77	15464	5.544	ng	# 27
67) 4-Bromophenyl-phenylether	15.933	248	4269	3.482	ng	# 1
77) Benzidine	19.804	184	6067	2.059	ng	# 78

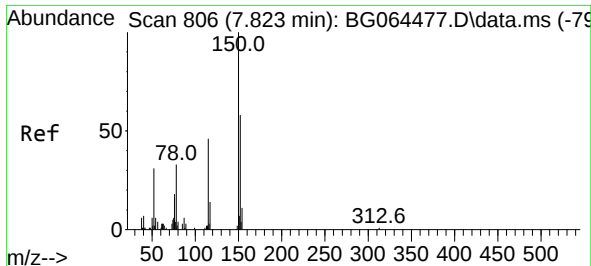
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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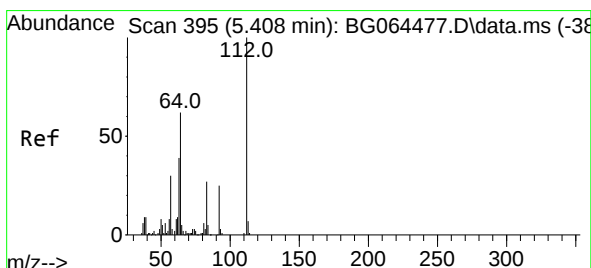
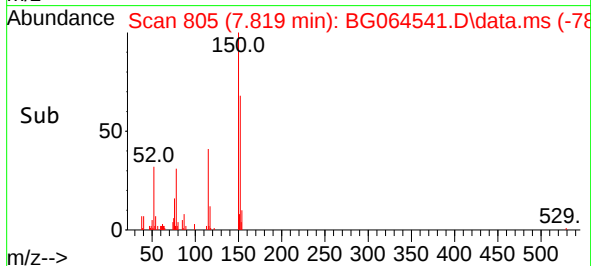
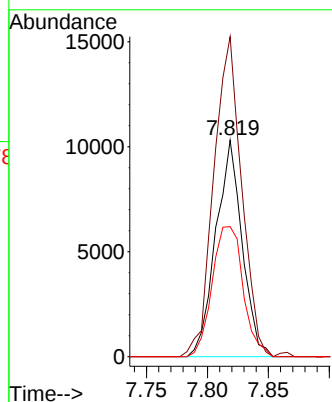
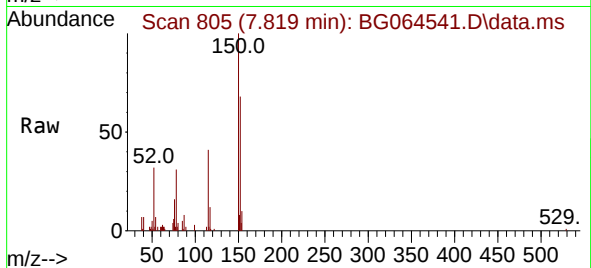




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.819 min Scan# 806
 Delta R.T. -0.001 min
 Lab File: BG064541.D
 Acq: 17 Oct 2025 18:32

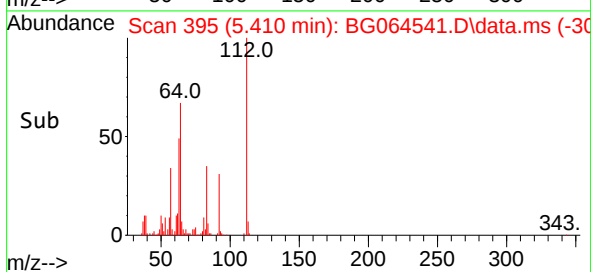
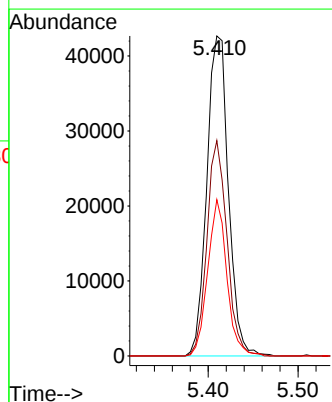
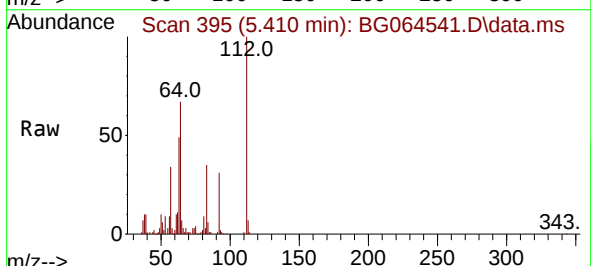
Instrument :
 BNA_G
 ClientSampleId :
 MH-21

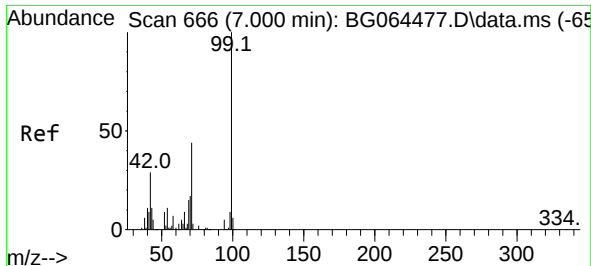
Tgt Ion:152 Resp: 15504
 Ion Ratio Lower Upper
 152 100
 150 147.8 138.6 207.8
 115 60.1 63.4 95.2#



#5
 2-Fluorophenol
 Concen: 85.080 ng
 RT: 5.410 min Scan# 395
 Delta R.T. 0.004 min
 Lab File: BG064541.D
 Acq: 17 Oct 2025 18:32

Tgt Ion:112 Resp: 71275
 Ion Ratio Lower Upper
 112 100
 64 67.3 49.8 74.8
 63 48.8 31.3 46.9#

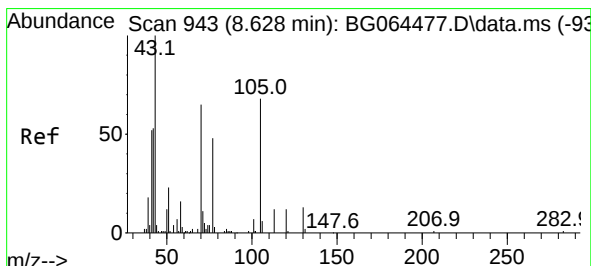
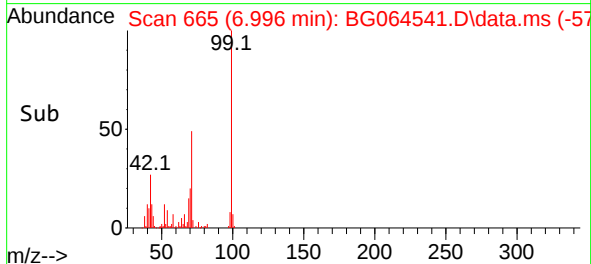
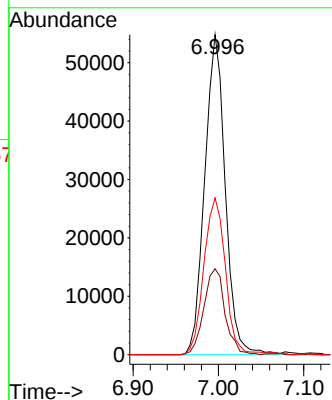
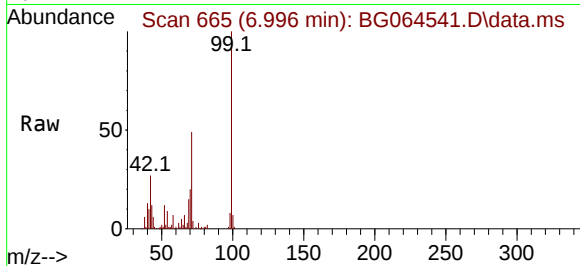




#7
Phenol-d6
Concen: 81.490 ng
RT: 6.996 min Scan# 60
Delta R.T. 0.010 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

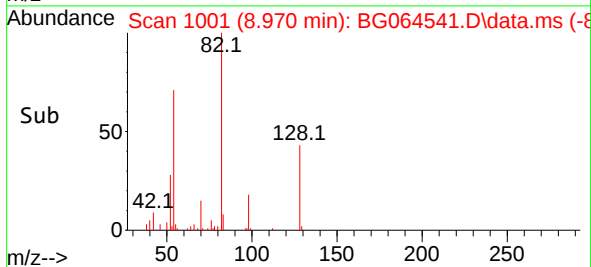
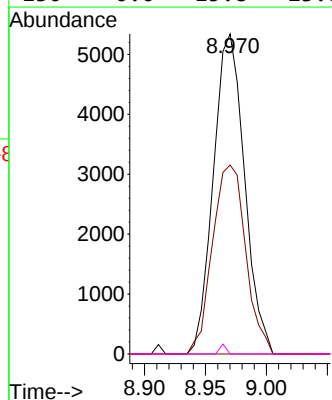
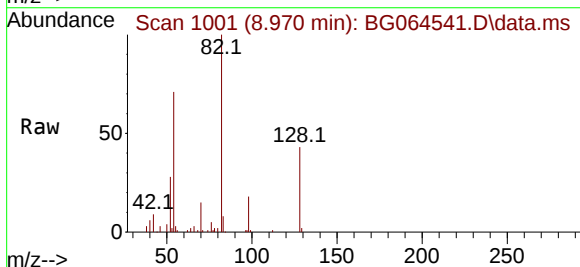
Instrument :
BNA_G
ClientSampleId :
MH-21

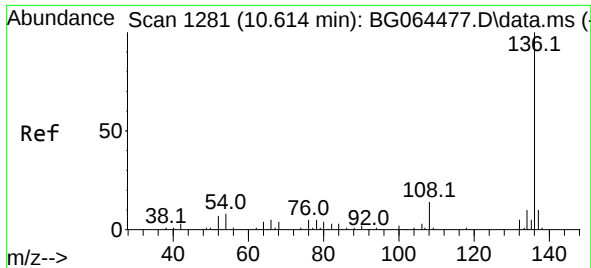
Tgt Ion: 99 Resp: 91741
Ion Ratio Lower Upper
99 100
42 26.8 22.9 34.3
71 49.0 35.4 53.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.603 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

Tgt Ion: 70 Resp: 9489
Ion Ratio Lower Upper
70 100
42 59.1 64.9 97.3#
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

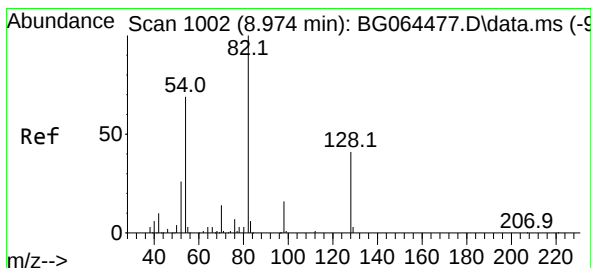
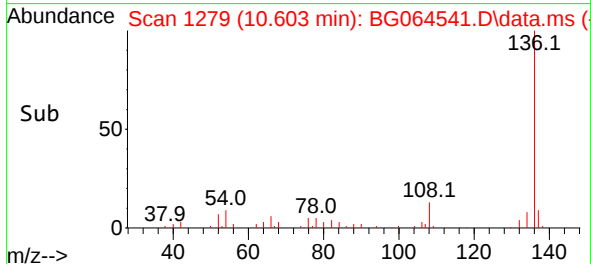
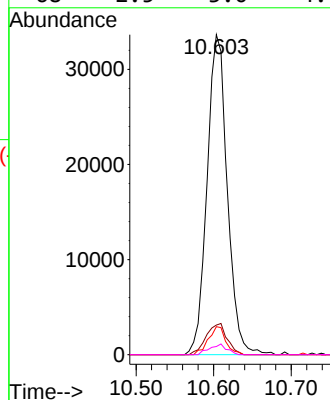
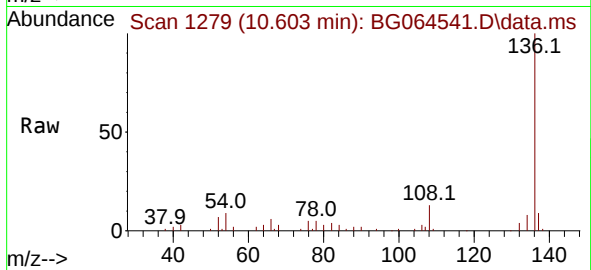




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

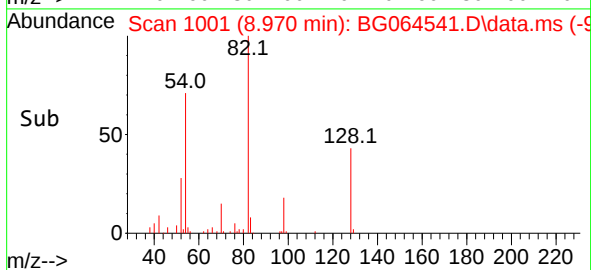
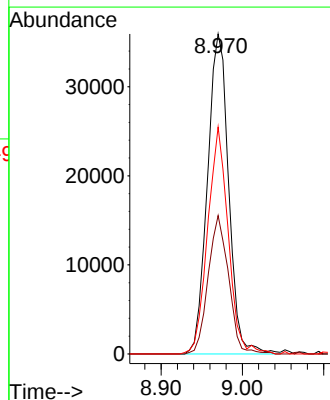
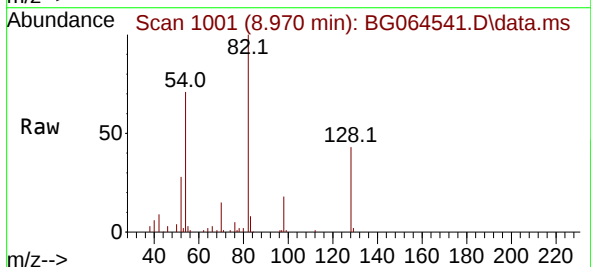
Instrument :
BNA_G
ClientSampleId :
MH-21

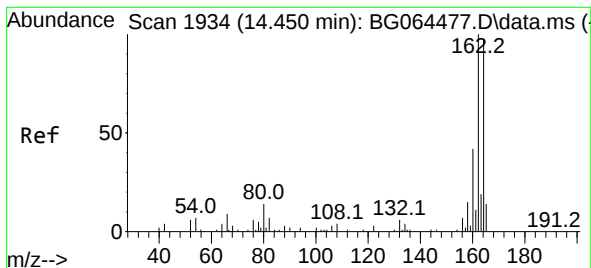
Tgt Ion:	136	Resp:	61089
Ion Ratio	Lower	Upper	
136	100		
137	9.2	8.3	12.5
54	8.7	6.2	9.4
68	2.5	3.0	4.4



#23
Nitrobenzene-d5
Concen: 57.231 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.004 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

Tgt Ion:	82	Resp:	65021
Ion Ratio	Lower	Upper	
82	100		
128	43.3	33.1	49.7
54	70.9	55.4	83.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.446 min Scan# 1933

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Instrument :

BNA_G

ClientSampleId :

MH-21

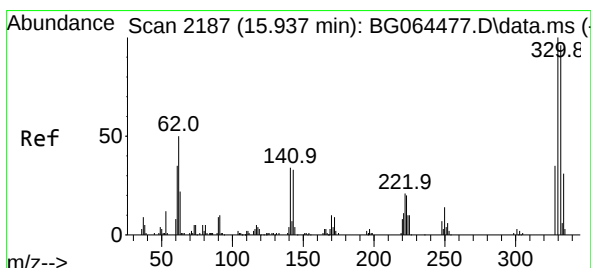
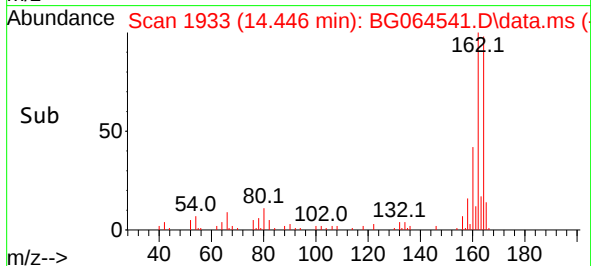
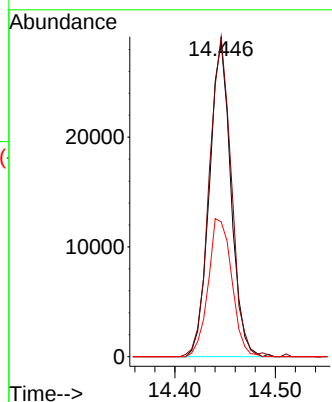
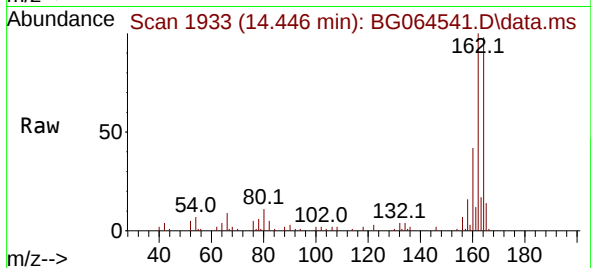
Tgt Ion:164 Resp: 42867

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

160 42.9 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 84.631 ng

RT: 15.933 min Scan# 2186

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

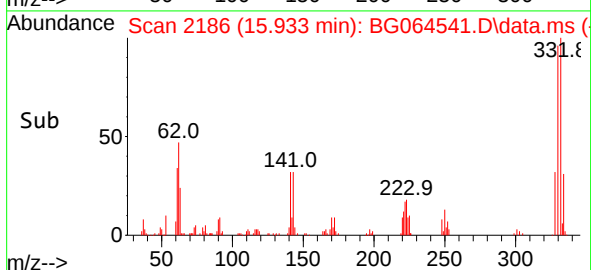
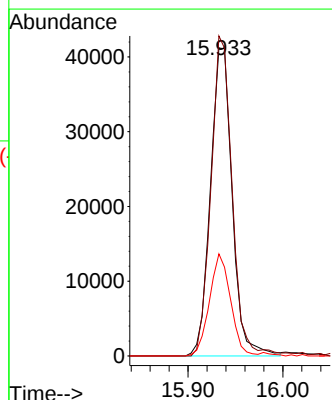
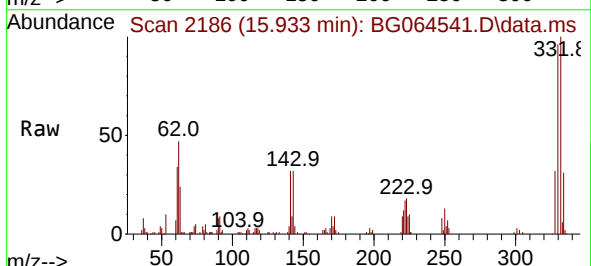
Tgt Ion:330 Resp: 65760

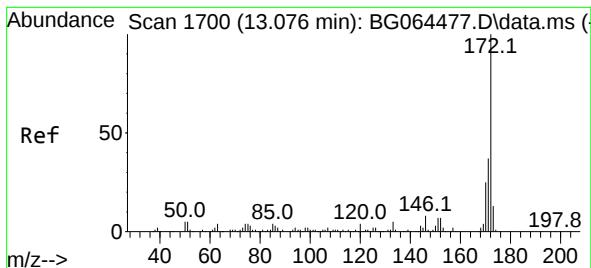
Ion Ratio Lower Upper

330 100

332 101.3 77.4 116.0

141 32.1 25.8 38.6

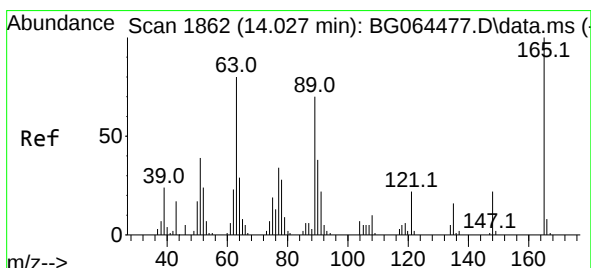
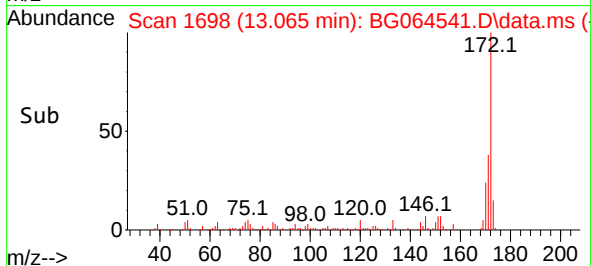
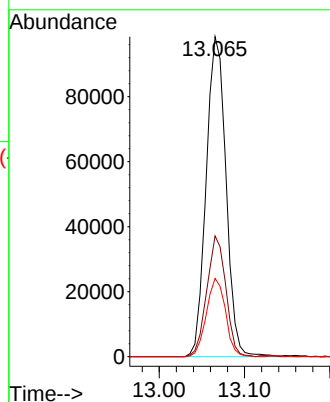
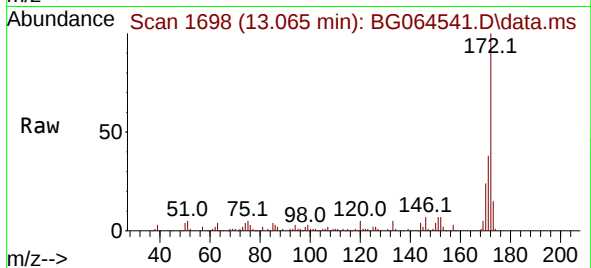




#45
2-Fluorobiphenyl
Concen: 54.726 ng
RT: 13.065 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

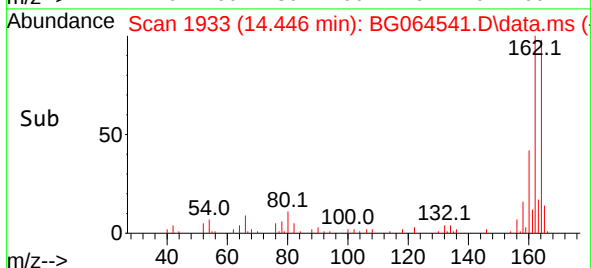
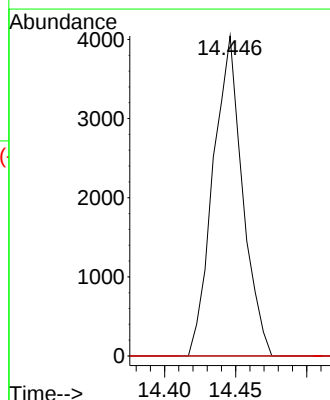
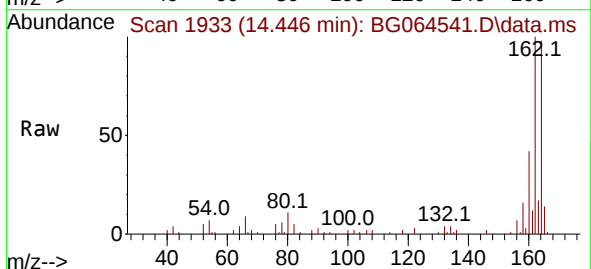
Instrument :
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ClientSampleId :
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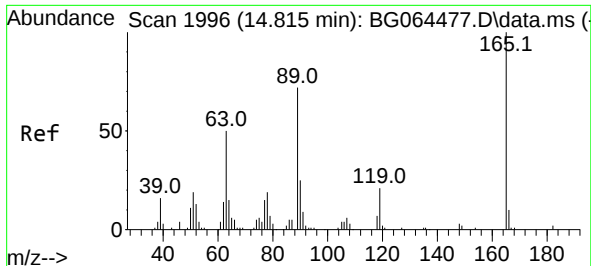
Tgt Ion:172 Resp: 159154
Ion Ratio Lower Upper
172 100
171 37.7 29.6 44.4
170 24.4 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.340 ng
RT: 14.446 min Scan# 1933
Delta R.T. 0.427 min
Lab File: BG064541.D
Acq: 17 Oct 2025 18:32

Tgt Ion:165 Resp: 5833
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 56.1 84.1#





#57

2,4-Dinitrotoluene

Concen: 5.456 ng

RT: 14.446 min Scan# 1996

Delta R.T. -0.366 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Instrument :

BNA_G

ClientSampleId :

MH-21

Tgt Ion:165 Resp: 5833

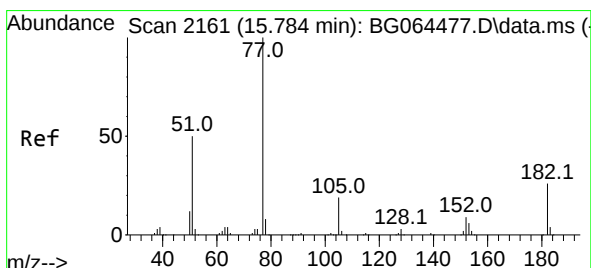
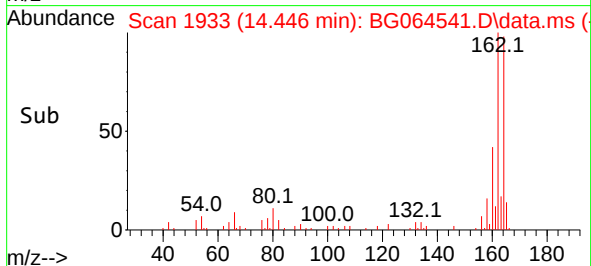
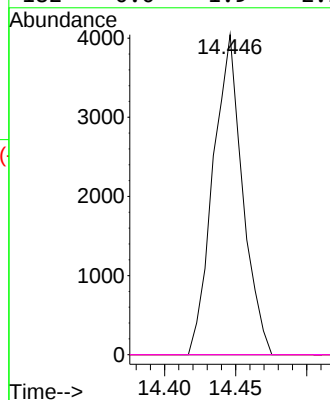
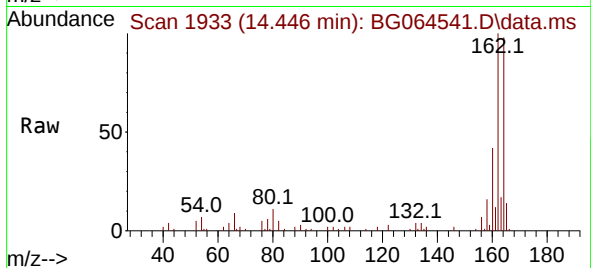
Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

89 0.0 57.3 85.9#

182 0.0 1.9 2.9#



#63

Azobenzene

Concen: 5.544 ng

RT: 15.797 min Scan# 2163

Delta R.T. 0.016 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Tgt Ion: 77 Resp: 15464

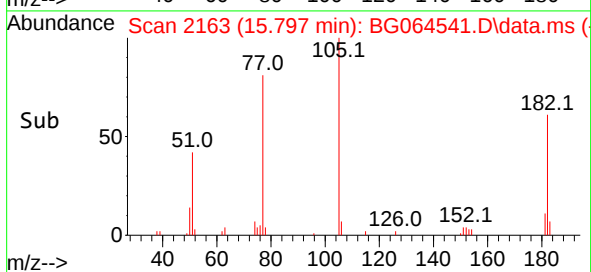
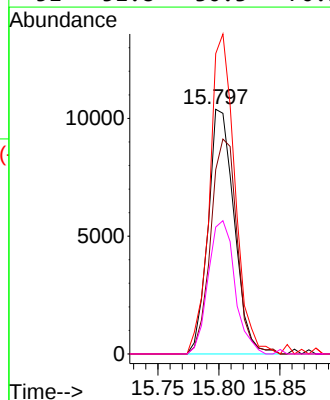
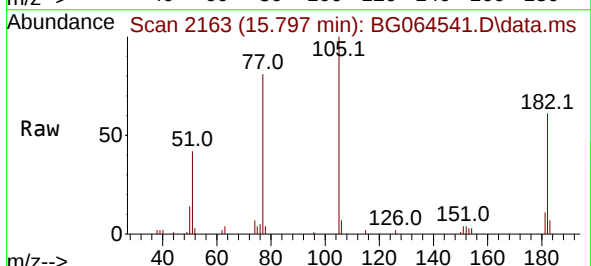
Ion Ratio Lower Upper

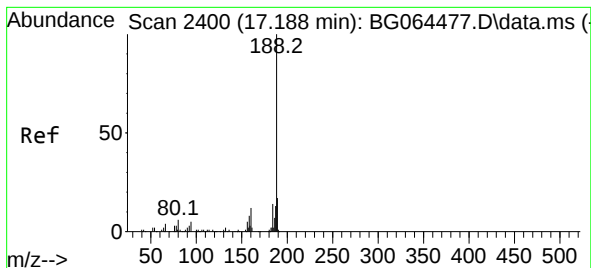
77 100

182 75.3 6.3 46.3#

105 122.7 0.0 38.7#

51 51.8 30.3 70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.184 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Instrument :

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ClientSampleId :

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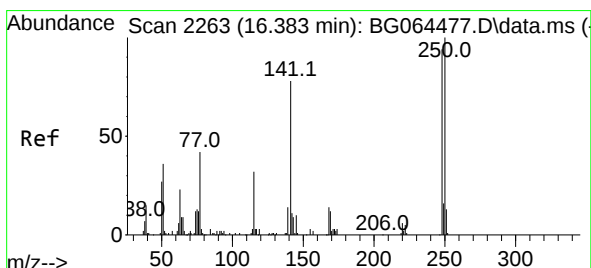
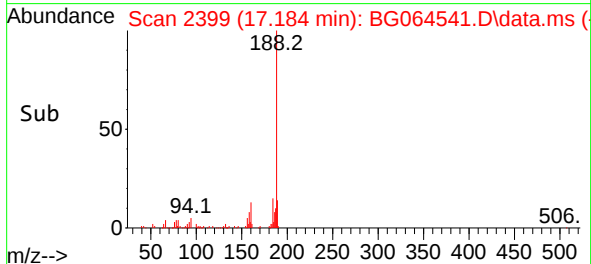
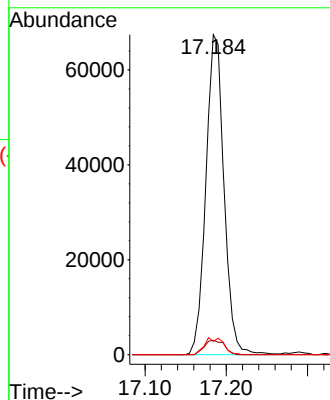
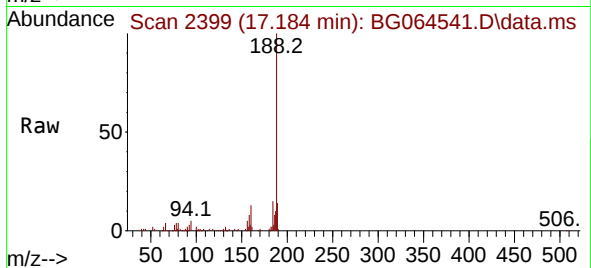
Tgt Ion:188 Resp: 104183

Ion Ratio Lower Upper

188 100

94 4.5 3.7 5.5

80 4.2 4.5 6.7#



#67

4-Bromophenyl-phenylether

Concen: 3.482 ng

RT: 15.933 min Scan# 2186

Delta R.T. -0.448 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

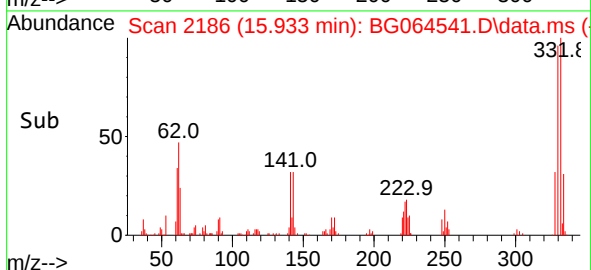
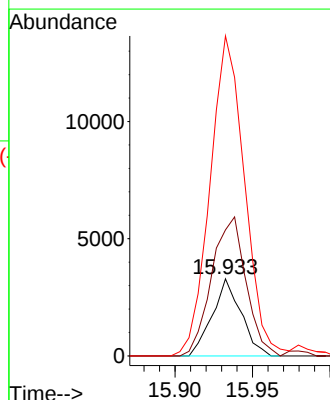
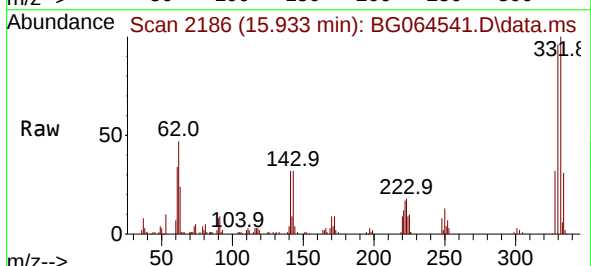
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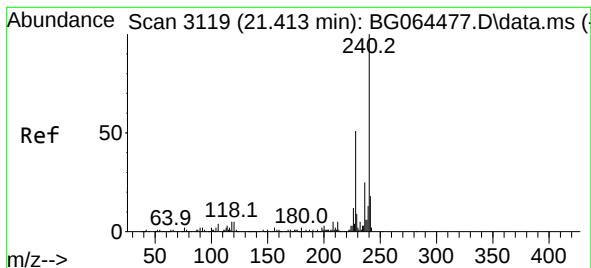
Ion Ratio Lower Upper

248 100

250 163.5 85.3 127.9#

141 415.1 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.408 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

Instrument :

BNA_G

ClientSampleId :

MH-21

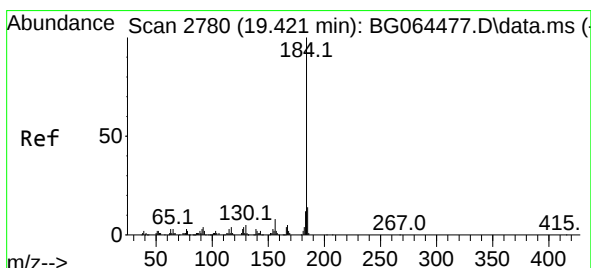
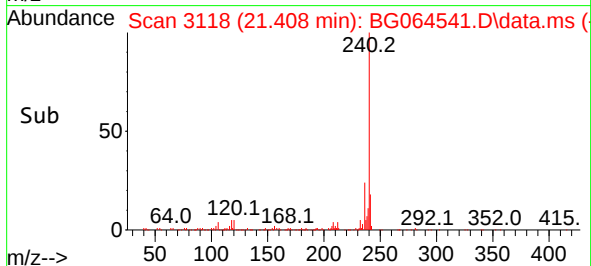
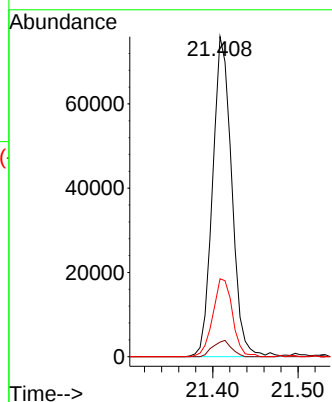
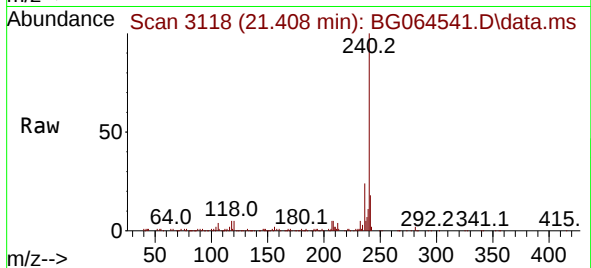
Tgt Ion:240 Resp: 118392

Ion Ratio Lower Upper

240 100

120 4.6 4.3 6.5

236 24.3 20.4 30.6



#77

Benzidine

Concen: 2.059 ng

RT: 19.804 min Scan# 2845

Delta R.T. 0.379 min

Lab File: BG064541.D

Acq: 17 Oct 2025 18:32

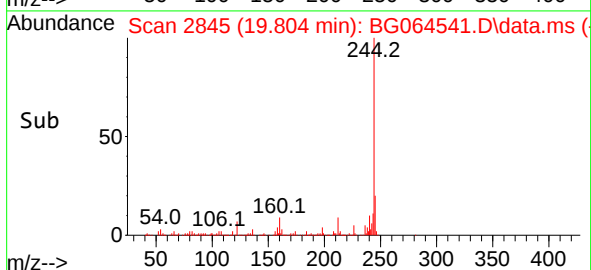
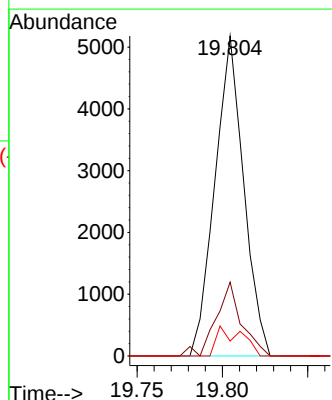
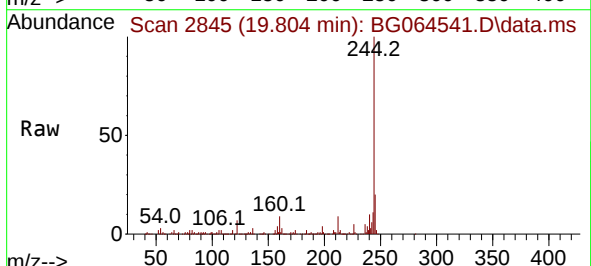
Tgt Ion:184 Resp: 6067

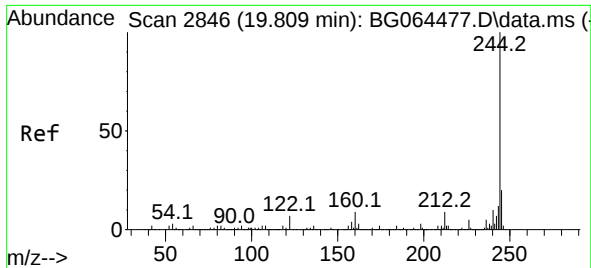
Ion Ratio Lower Upper

184 100

185 23.1 10.9 16.3#

183 4.7 9.8 14.6#

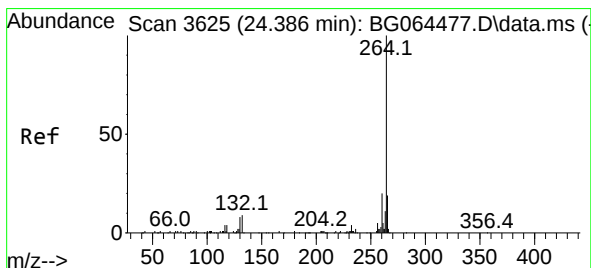
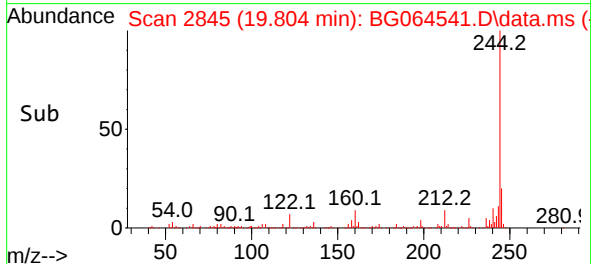
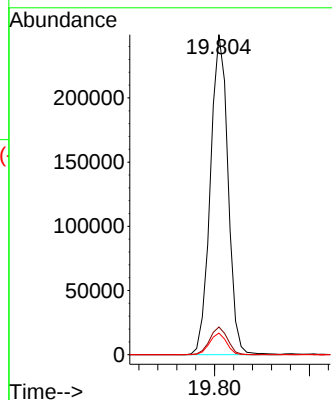
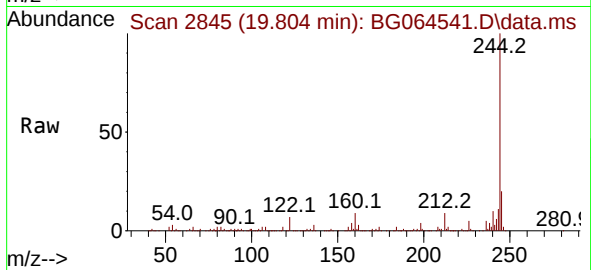




#79
 Terphenyl-d14
 Concen: 51.451 ng
 RT: 19.804 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG064541.D
 Acq: 17 Oct 2025 18:32

Instrument :
 BNA_G
 ClientSampleId :
 MH-21

Tgt Ion:244 Resp: 321869
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 6.8 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.387 min Scan# 3625
 Delta R.T. -0.002 min
 Lab File: BG064541.D
 Acq: 17 Oct 2025 18:32

Tgt Ion:264 Resp: 131623
 Ion Ratio Lower Upper
 264 100
 260 22.2 16.2 24.4
 265 21.1 15.0 22.4

