

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
 Data File : BG064298.D
 Acq On : 5 Sep 2025 18:35
 Operator : RC/JU
 Sample : PB169526BL
 Misc : MDL-WATER 8PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169526BL

Quant Time: Sep 05 23:02:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

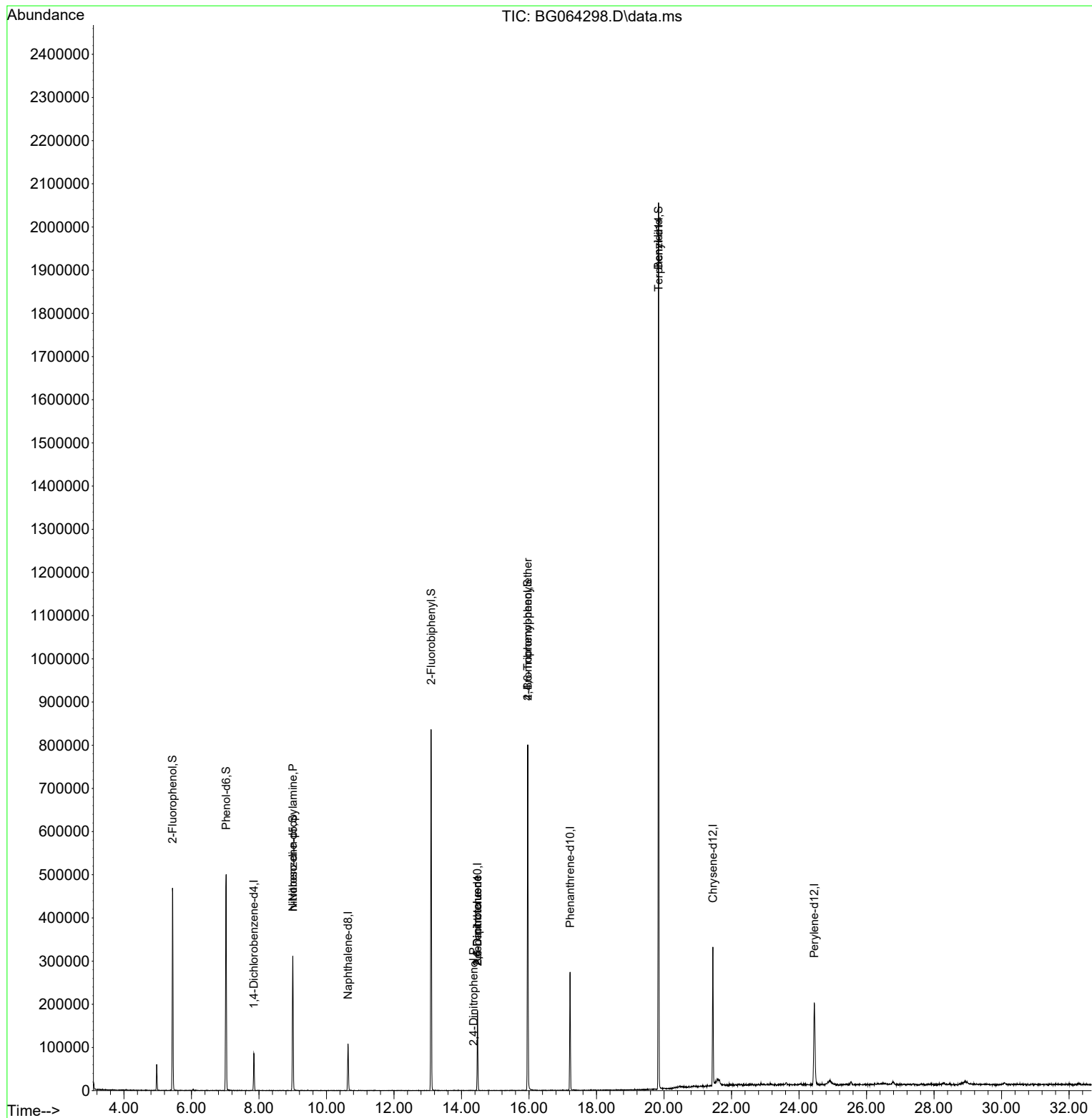
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.848	152	20719	20.000	ng	-0.01
21) Naphthalene-d8	10.638	136	85605	20.000	ng	-0.01
39) Acenaphthene-d10	14.475	164	62547	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	164759	20.000	ng	0.00
76) Chrysene-d12	21.449	240	181142	20.000	ng	0.00
86) Perylene-d12	24.452	264	197432	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	172104	149.028	ng	0.00
7) Phenol-d6	7.025	99	228166	143.812	ng	0.00
23) Nitrobenzene-d5	9.005	82	163436	106.476	ng	-0.01
42) 2,4,6-Tribromophenol	15.962	330	146749	177.134	ng	-0.01
45) 2-Fluorobiphenyl	13.100	172	418547	102.139	ng	-0.01
79) Terphenyl-d14	19.839	244	920029	105.967	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.005	70	23855	19.646	ng	# 78
51) 2,6-Dinitrotoluene	14.475	165	8483	9.256	ng	# 14
54) 2,4-Dinitrophenol	14.363	184	63	5.749	ng	# 12
57) 2,4-Dinitrotoluene	14.475	165	8483	6.121	ng	# 17
67) 4-Bromophenyl-phenylether	15.962	248	10560	6.034	ng	# 1
77) Benzidine	19.834	184	18303	4.803	ng	# 95

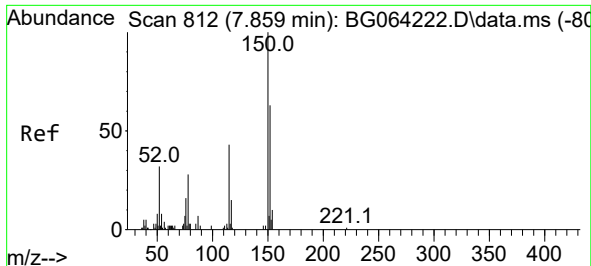
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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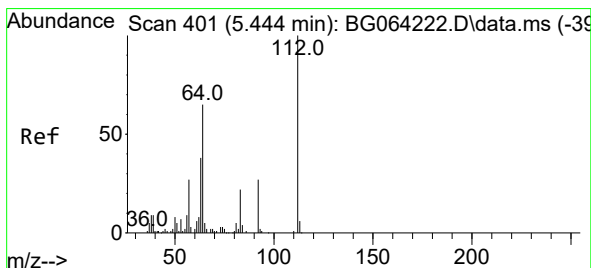
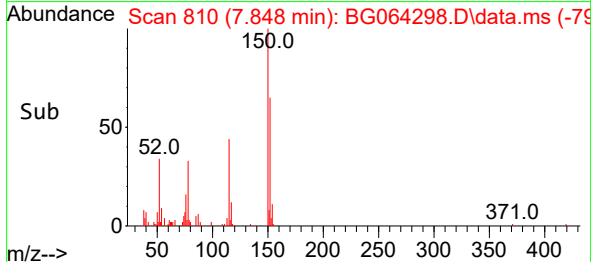
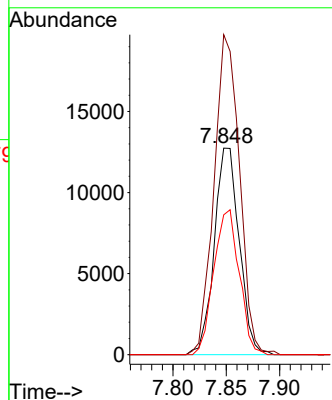
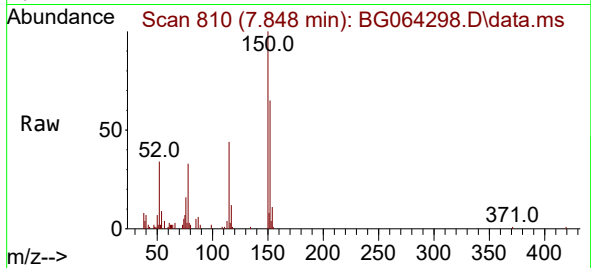




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.848 min Scan# 812
Delta R.T. -0.011 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

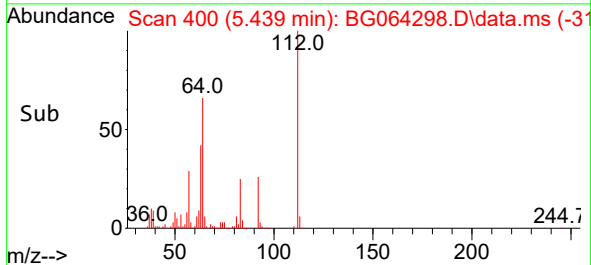
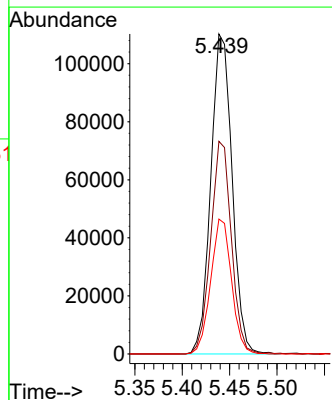
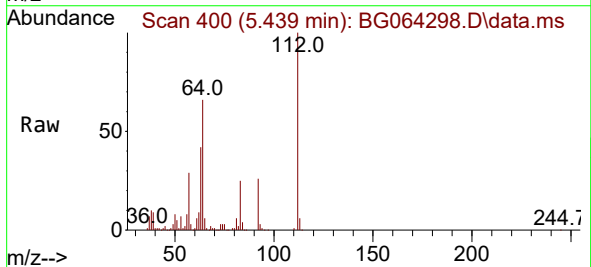
Instrument :
BNA_G
ClientSampleId :
PB169526BL

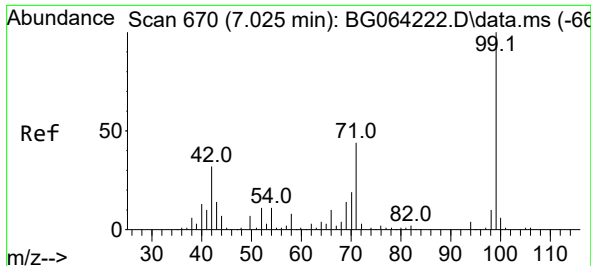
Tgt Ion:152 Resp: 20719
Ion Ratio Lower Upper
152 100
150 154.9 128.0 192.0
115 67.7 55.7 83.5



#5
2-Fluorophenol
Concen: 149.028 ng
RT: 5.439 min Scan# 400
Delta R.T. -0.006 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

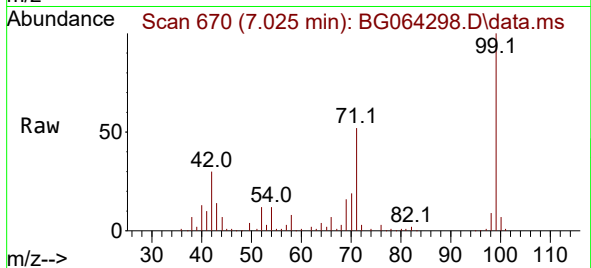
Tgt Ion:112 Resp: 172104
Ion Ratio Lower Upper
112 100
64 66.5 51.8 77.6
63 42.2 30.6 45.8



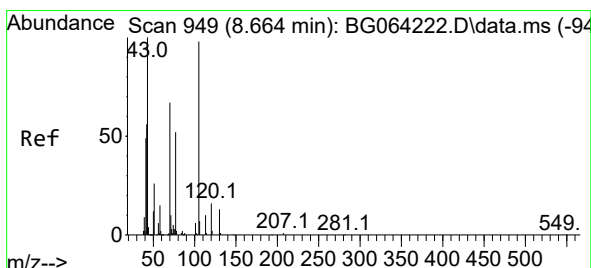
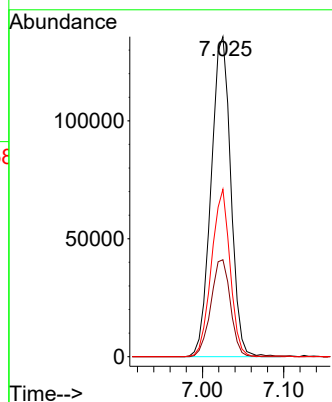
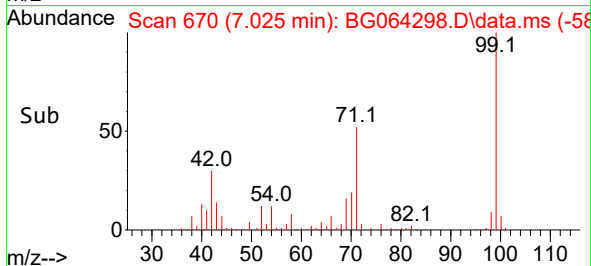


#7
Phenol-d6
Concen: 143.812 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

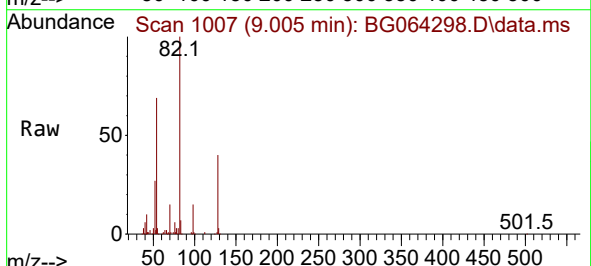
Instrument :
BNA_G
ClientSampleId :
PB169526BL



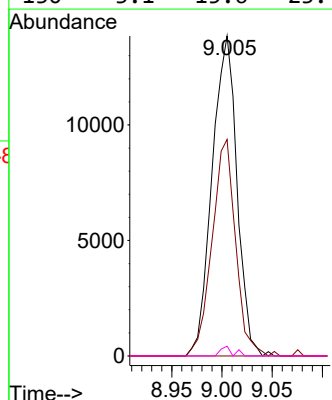
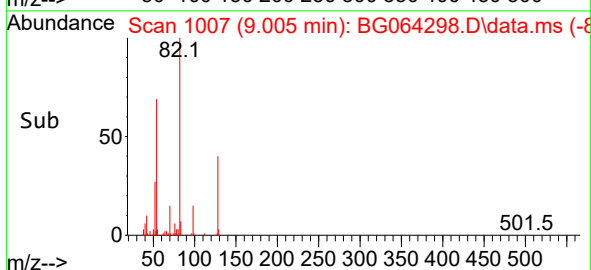
Tgt Ion: 99 Resp: 228166
Ion Ratio Lower Upper
99 100
42 30.3 25.8 38.8
71 52.3 35.2 52.8

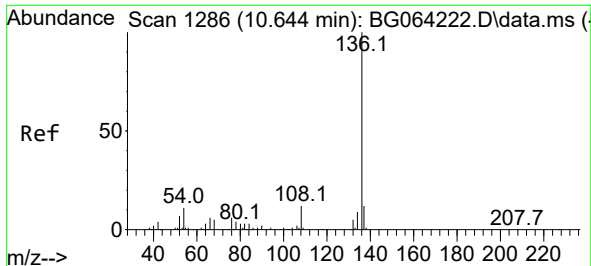


#19
n-Nitroso-di-n-propylamine
Concen: 19.646 ng
RT: 9.005 min Scan# 1007
Delta R.T. 0.341 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35



Tgt Ion: 70 Resp: 23855
Ion Ratio Lower Upper
70 100
42 67.6 67.9 101.9#
101 0.0 7.3 10.9#
130 3.1 15.6 23.4#

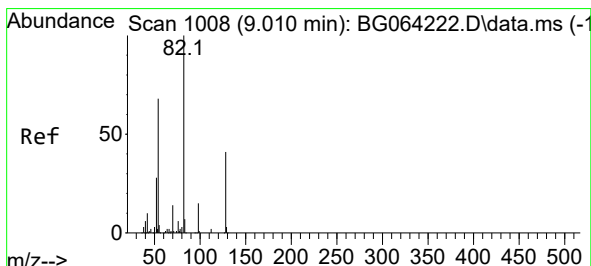
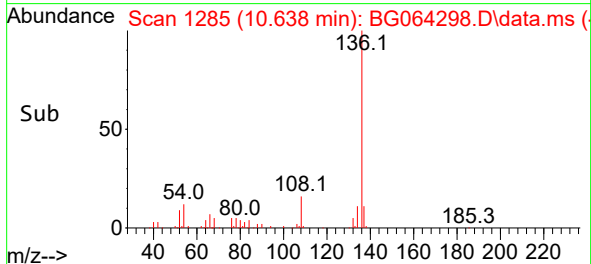
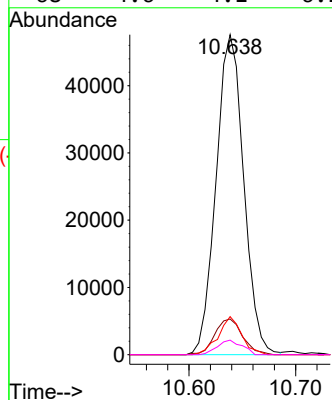
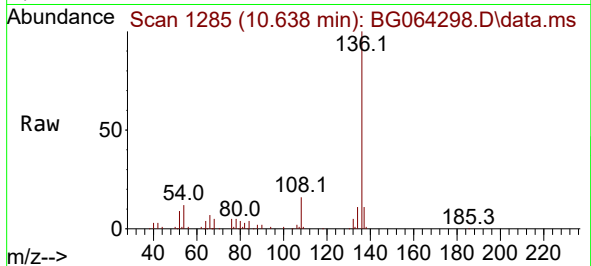




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.638 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

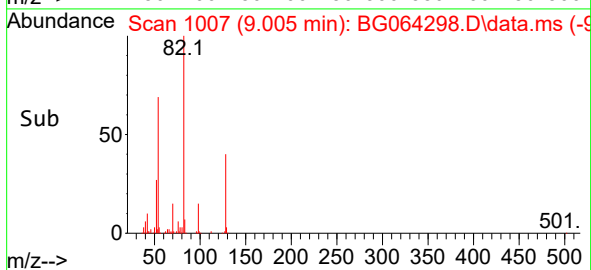
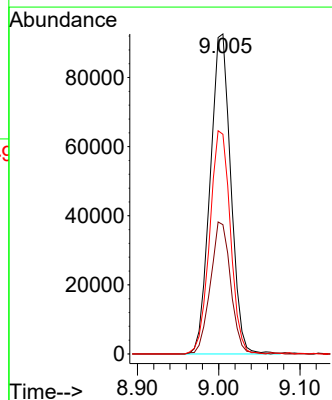
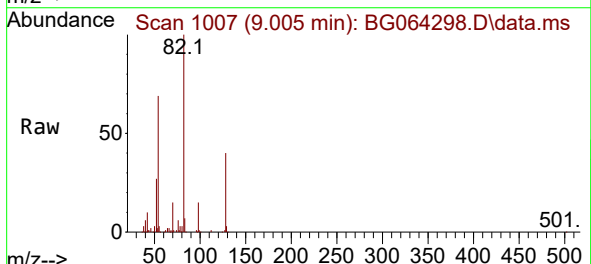
Instrument :
BNA_G
ClientSampleId :
PB169526BL

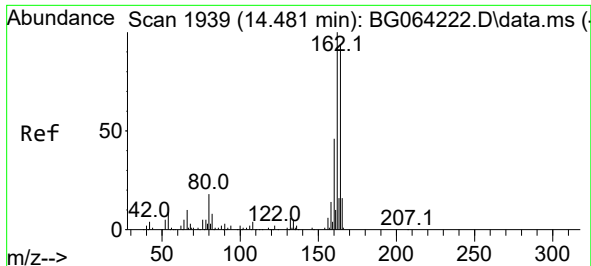
Tgt Ion:	136	Resp:	85605
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.6	14.4
54	11.9	8.8	13.2
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 106.476 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

Tgt Ion:	82	Resp:	163436
Ion Ratio	Lower	Upper	
82	100		
128	40.4	32.6	48.8
54	68.7	54.7	82.1

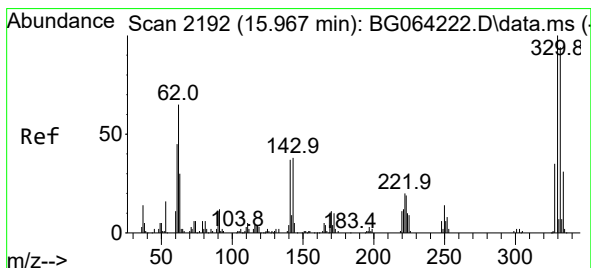
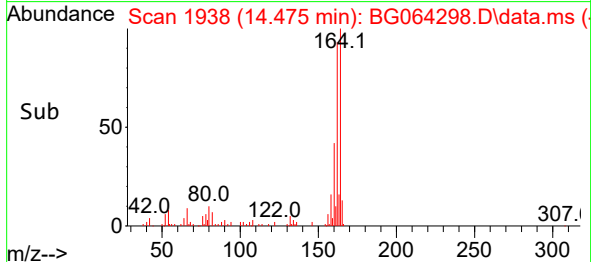
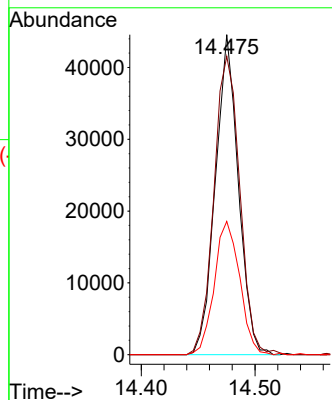
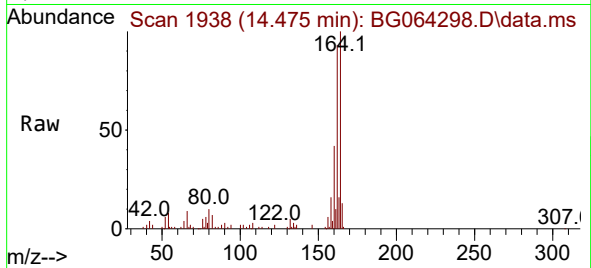




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

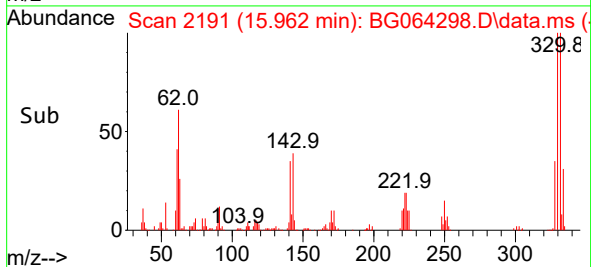
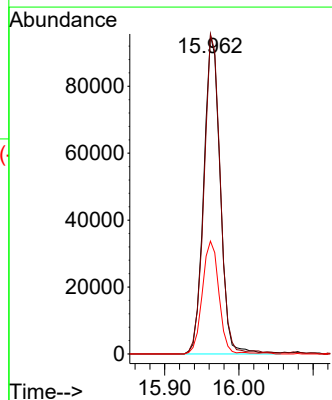
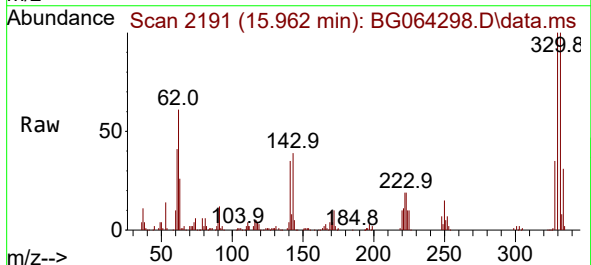
Instrument :
BNA_G
ClientSampleId :
PB169526BL

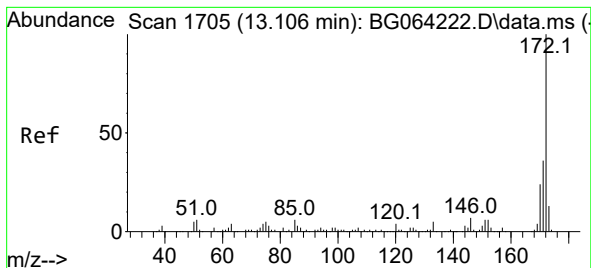
Tgt Ion:164 Resp: 62547
Ion Ratio Lower Upper
164 100
162 93.2 85.4 128.0
160 41.6 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 177.134 ng
RT: 15.962 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

Tgt Ion:330 Resp: 146749
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 35.7 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 102.139 ng

RT: 13.100 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

Instrument :

BNA_G

ClientSampleId :

PB169526BL

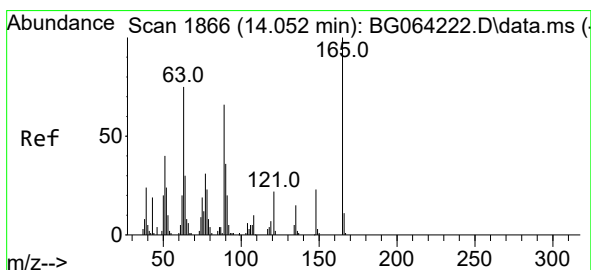
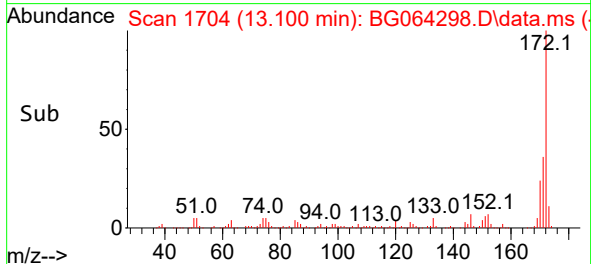
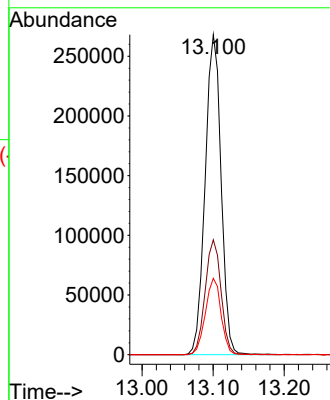
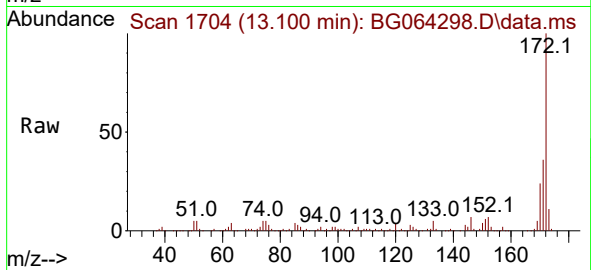
Tgt Ion:172 Resp: 418547

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.8 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.256 ng

RT: 14.475 min Scan# 1938

Delta R.T. 0.417 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

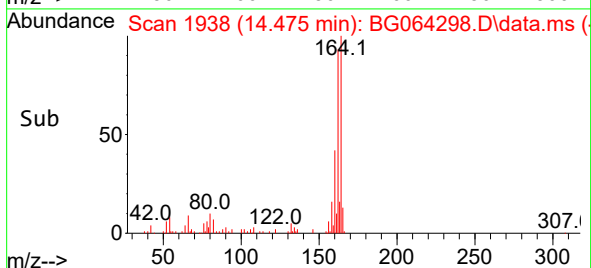
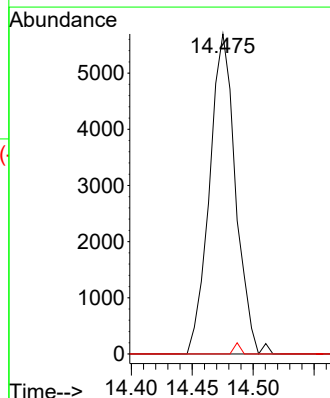
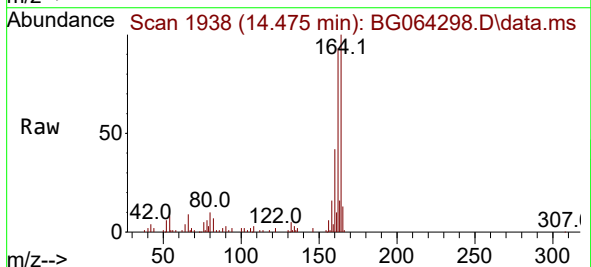
Tgt Ion:165 Resp: 8483

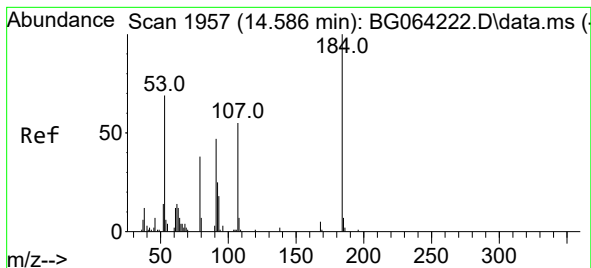
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

89 0.0 52.9 79.3#

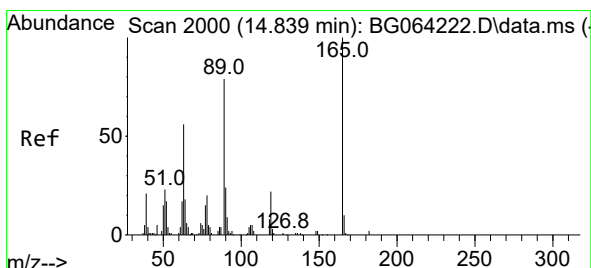
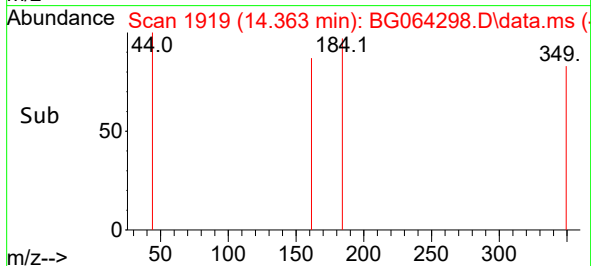
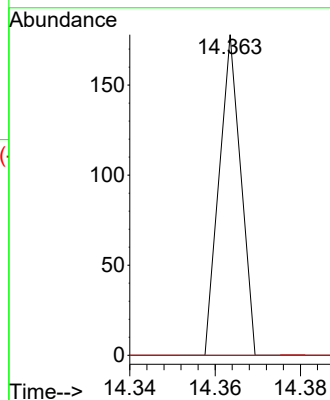
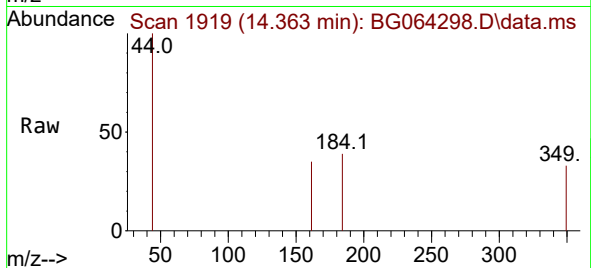




#54
2,4-Dinitrophenol
Concen: 5.749 ng
RT: 14.363 min Scan# 1919
Delta R.T. -0.229 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

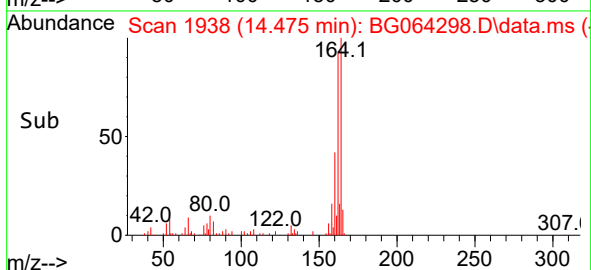
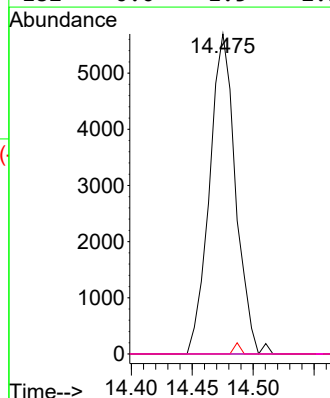
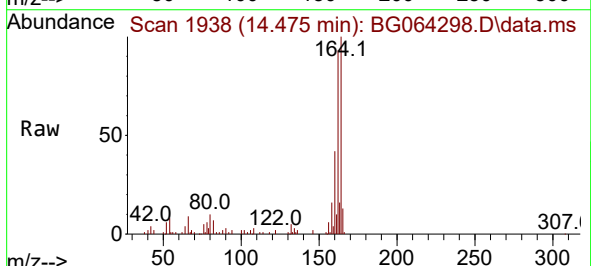
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PB169526BL

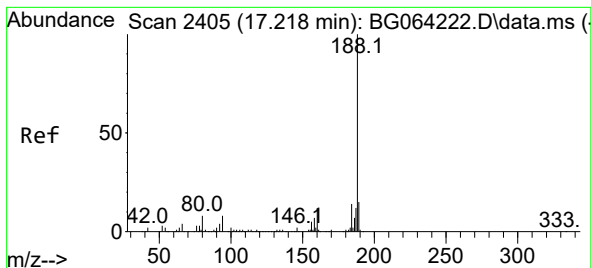
Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.121 ng
RT: 14.475 min Scan# 1938
Delta R.T. -0.370 min
Lab File: BG064298.D
Acq: 5 Sep 2025 18:35

Tgt Ion:165 Resp: 8483
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

Instrument :

BNA_G

ClientSampleId :

PB169526BL

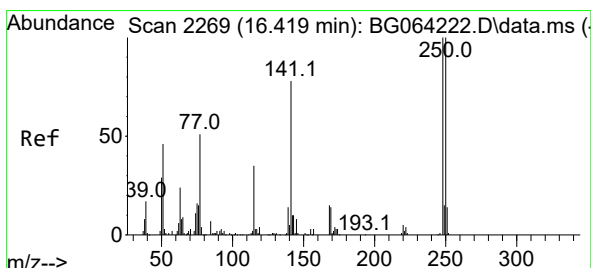
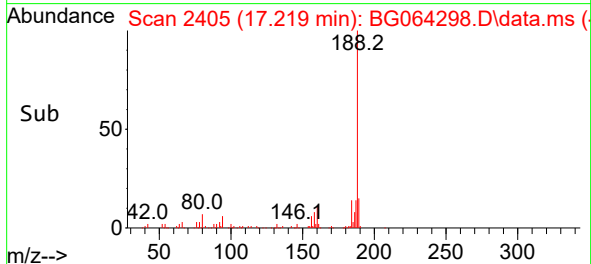
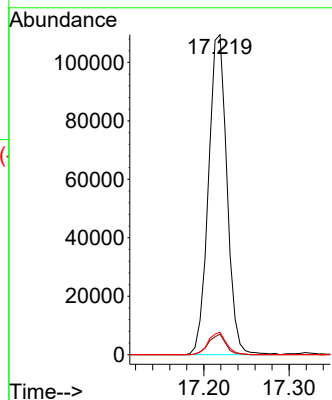
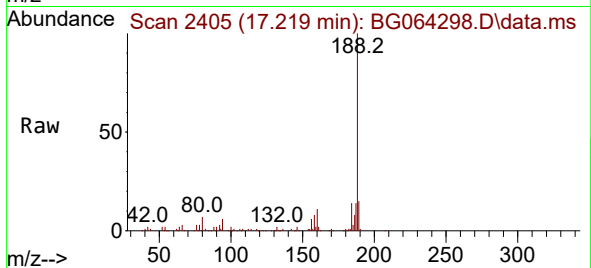
Tgt Ion:188 Resp: 164759

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

80 7.0 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 6.034 ng

RT: 15.962 min Scan# 2191

Delta R.T. -0.458 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

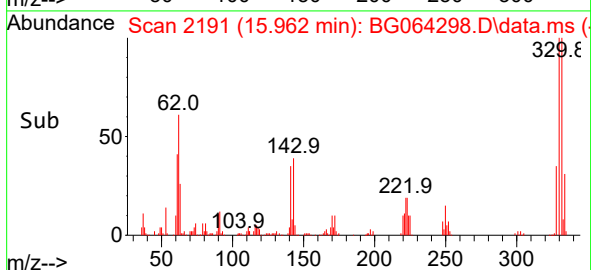
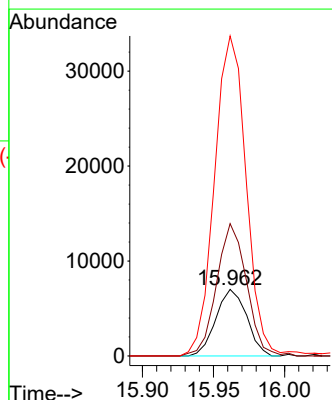
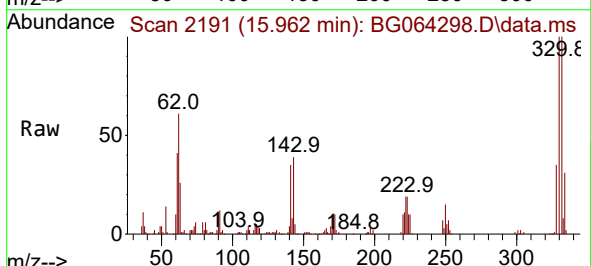
Tgt Ion:248 Resp: 10560

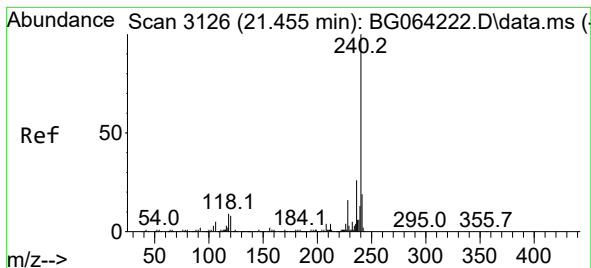
Ion Ratio Lower Upper

248 100

250 198.8 80.2 120.4#

141 481.0 62.4 93.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

Instrument :

BNA_G

ClientSampleId :

PB169526BL

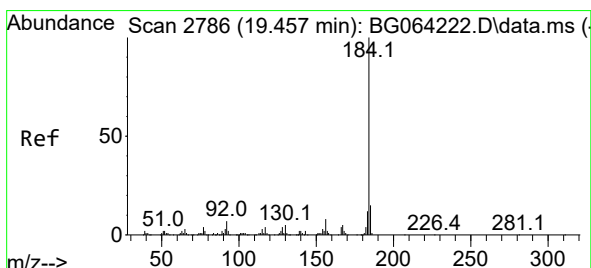
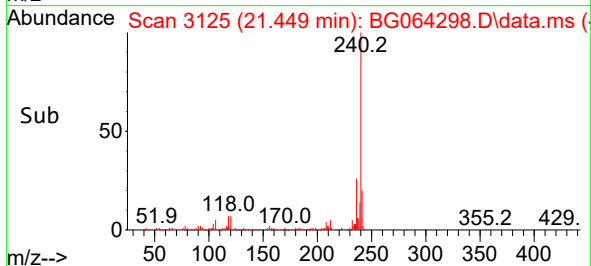
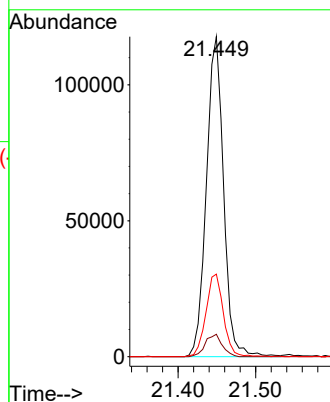
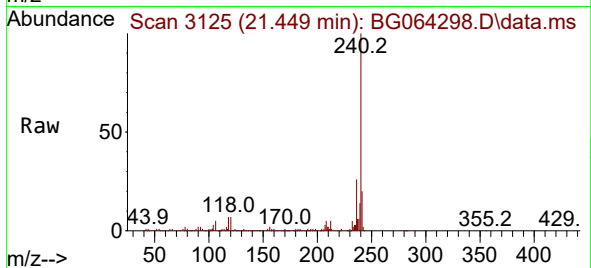
Tgt Ion:240 Resp: 181142

Ion Ratio Lower Upper

240 100

120 7.0 6.2 9.4

236 25.8 20.5 30.7



#77

Benzidine

Concen: 4.803 ng

RT: 19.834 min Scan# 2850

Delta R.T. 0.376 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

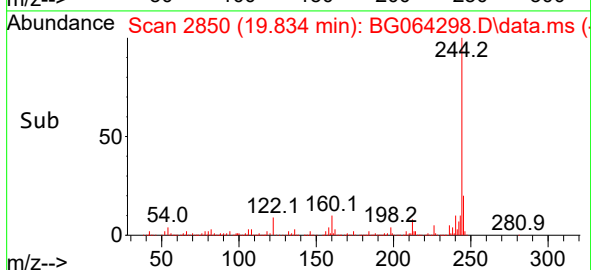
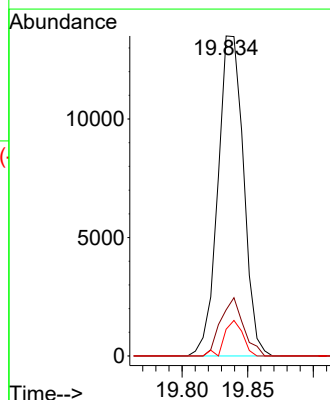
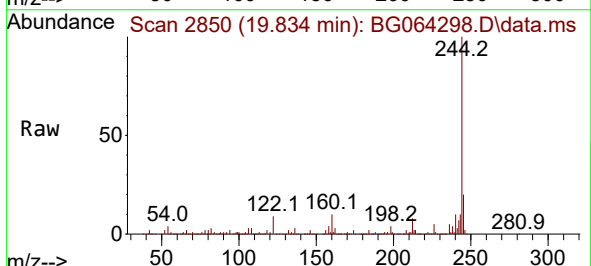
Tgt Ion:184 Resp: 18303

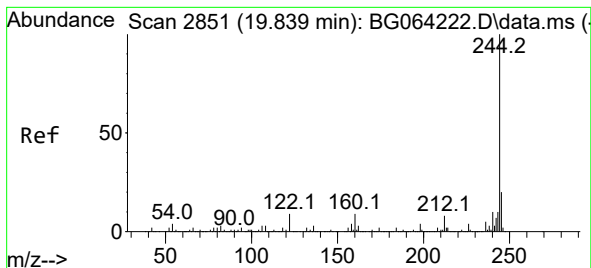
Ion Ratio Lower Upper

184 100

185 14.4 11.7 17.5

183 8.4 9.7 14.5#





#79

Terphenyl-d14

Concen: 105.967 ng

RT: 19.839 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

Instrument :

BNA_G

ClientSampleId :

PB169526BL

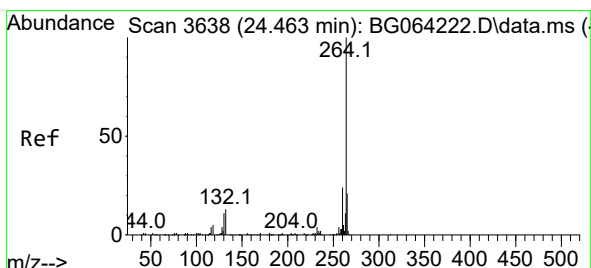
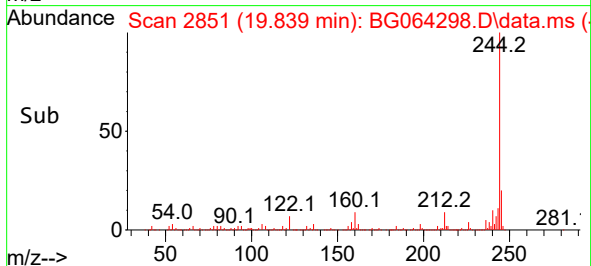
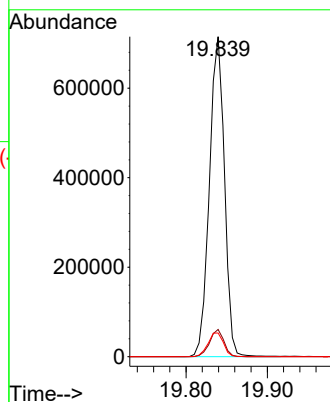
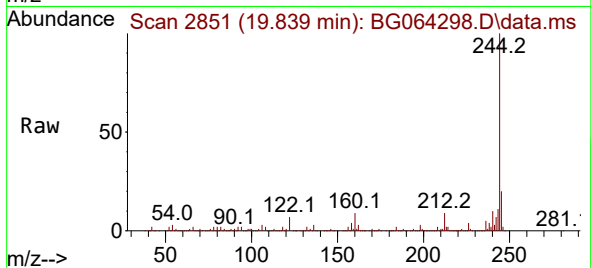
Tgt Ion:244 Resp: 920029

Ion Ratio Lower Upper

244 100

212 8.5 6.6 10.0

122 7.4 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.452 min Scan# 3636

Delta R.T. -0.012 min

Lab File: BG064298.D

Acq: 5 Sep 2025 18:35

Tgt Ion:264 Resp: 197432

Ion Ratio Lower Upper

264 100

260 20.7 18.9 28.3

265 22.1 16.7 25.1

