

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
 Data File : BG064230.D
 Acq On : 29 Aug 2025 15:11
 Operator : RC/JU
 Sample : PB169464BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169464BL

Quant Time: Aug 29 15:48:09 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)

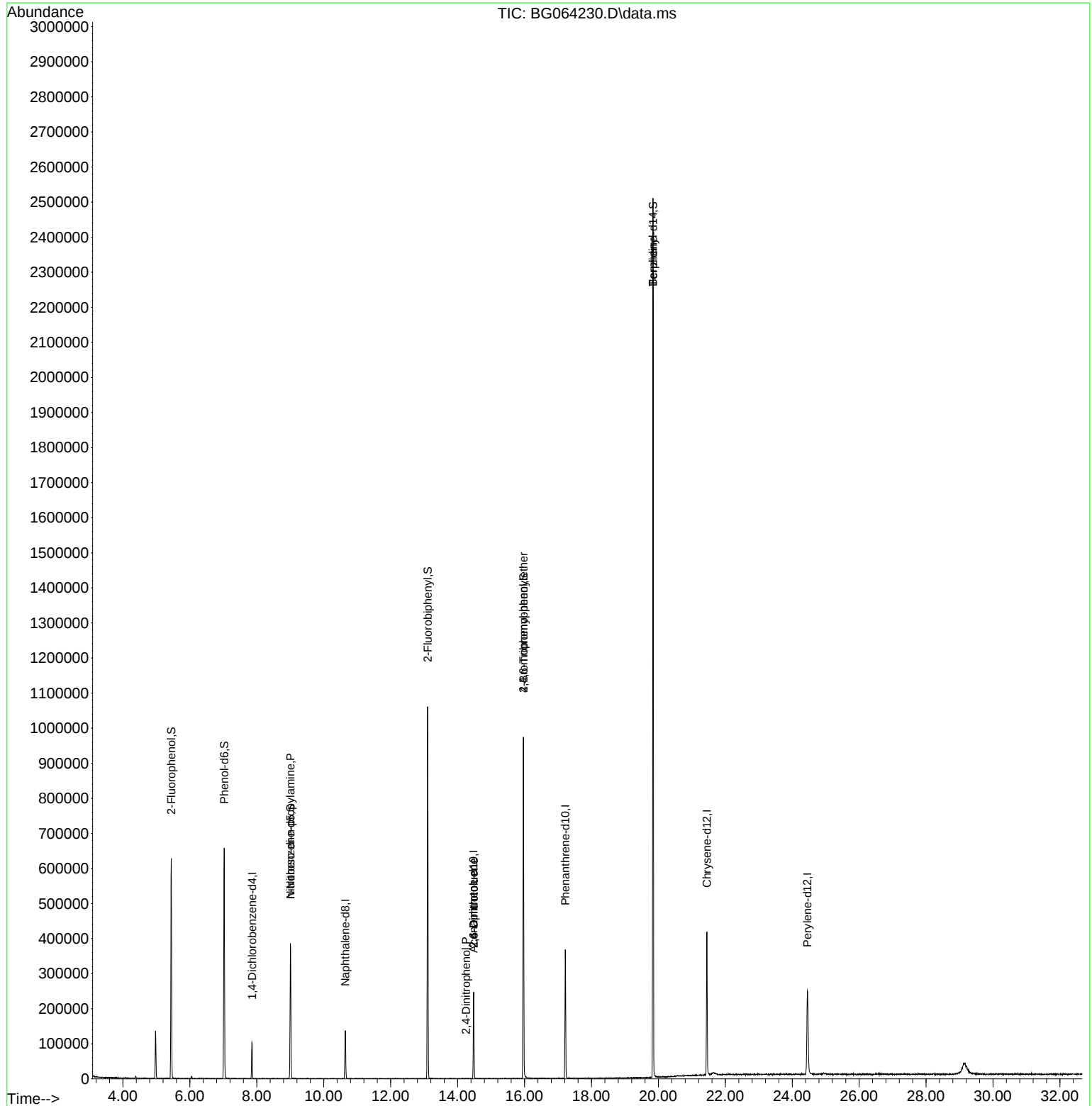
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	25132	20.000	ng	0.00
21) Naphthalene-d8	10.644	136	113939	20.000	ng	# 0.00
39) Acenaphthene-d10	14.475	164	84898	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	220191	20.000	ng	0.00
76) Chrysene-d12	21.449	240	233189	20.000	ng	0.00
86) Perylene-d12	24.452	264	249045	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	235912	168.410	ng	0.00
7) Phenol-d6	7.025	99	312080	162.163	ng	0.00
23) Nitrobenzene-d5	9.005	82	204930	100.308	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	170414	151.545	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	528610	95.037	ng	0.00
79) Terphenyl-d14	19.840	244	1131988	101.279	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.005	70	28047	19.042	ng	# 80
51) 2,6-Dinitrotoluene	14.481	165	11029	8.865	ng	# 14
54) 2,4-Dinitrophenol	14.252	184	87	5.751	ng	# 12
57) 2,4-Dinitrotoluene	14.481	165	11029	5.863	ng	# 17
67) 4-Bromophenyl-phenylether	15.968	248	12517	5.352	ng	# 1
77) Benzidine	19.840	184	21867	4.458	ng	98

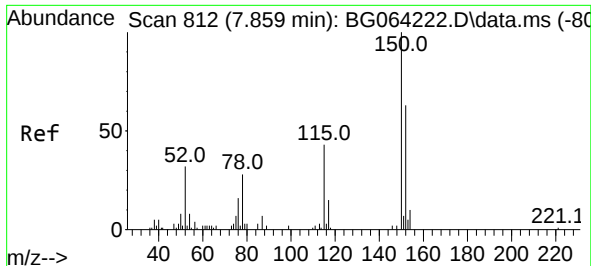
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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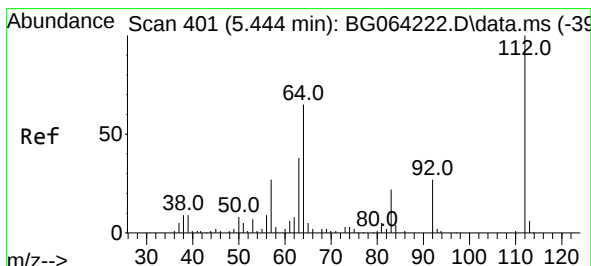
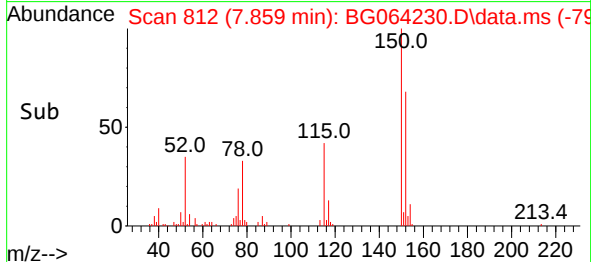
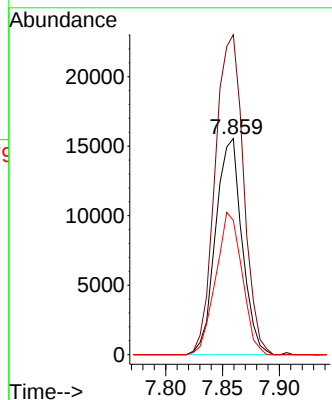
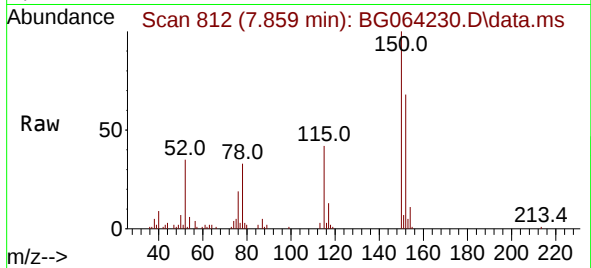




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.859 min Scan# 812
Delta R.T. 0.000 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

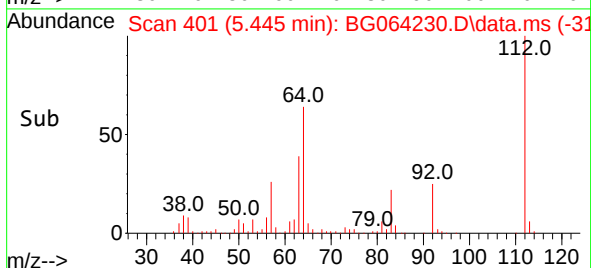
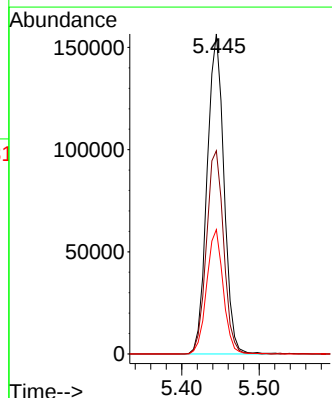
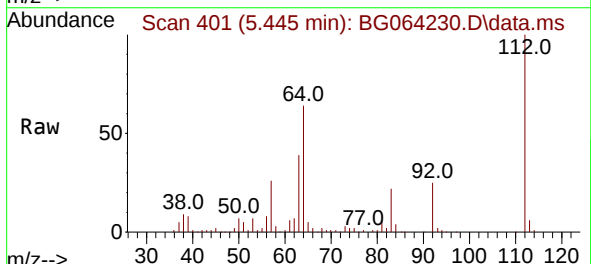
Instrument :
BNA_G
ClientSampleId :
PB169464BL

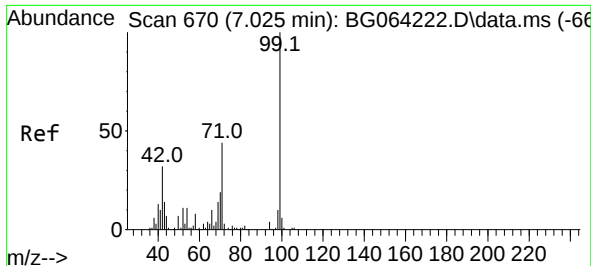
Tgt Ion:152 Resp: 25132
Ion Ratio Lower Upper
152 100
150 148.1 128.0 192.0
115 62.1 55.7 83.5



#5
2-Fluorophenol
Concen: 168.410 ng
RT: 5.445 min Scan# 401
Delta R.T. 0.000 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion:112 Resp: 235912
Ion Ratio Lower Upper
112 100
64 63.5 51.8 77.6
63 38.9 30.6 45.8

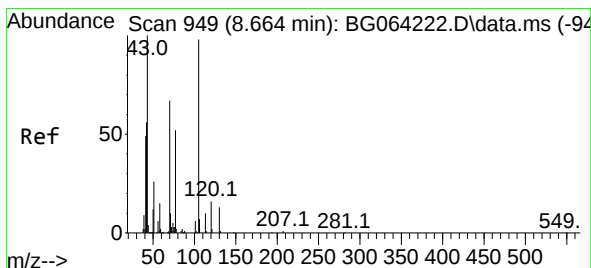
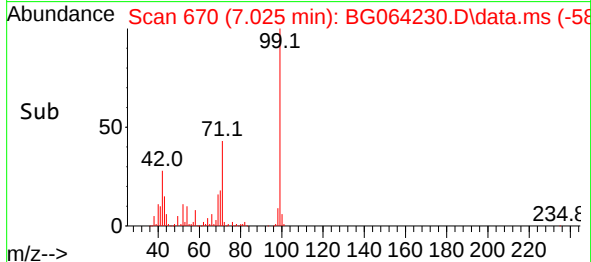
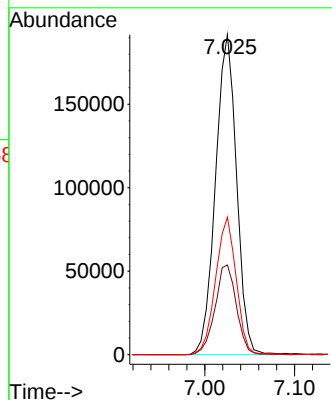
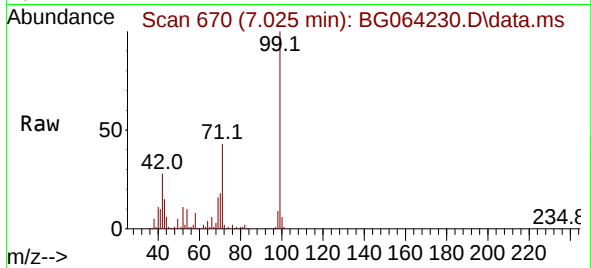




#7
Phenol-d6
Concen: 162.163 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

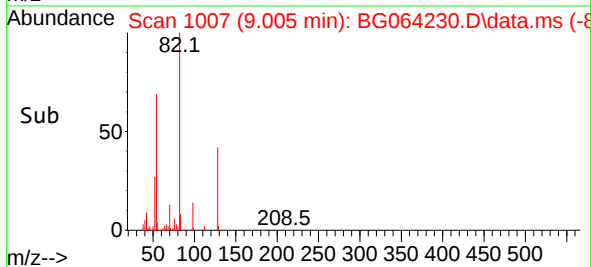
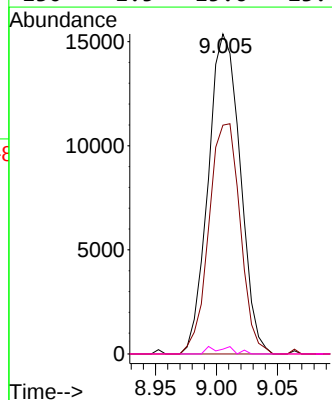
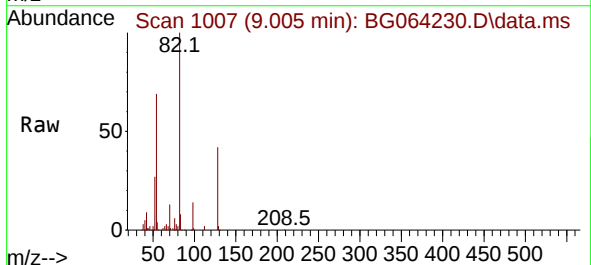
Instrument :
BNA_G
ClientSampleId :
PB169464BL

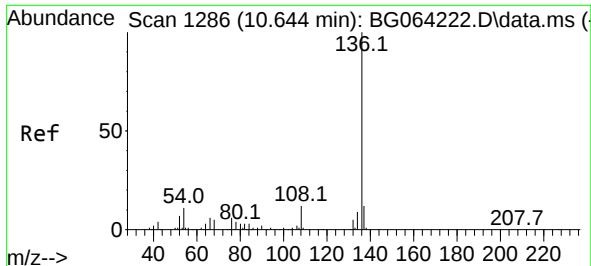
Tgt Ion: 99 Resp: 312080
Ion Ratio Lower Upper
99 100
42 28.1 25.8 38.8
71 42.9 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.042 ng
RT: 9.005 min Scan# 1007
Delta R.T. 0.341 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion: 70 Resp: 28047
Ion Ratio Lower Upper
70 100
42 71.5 67.9 101.9
101 0.0 7.3 10.9#
130 1.5 15.6 23.4#

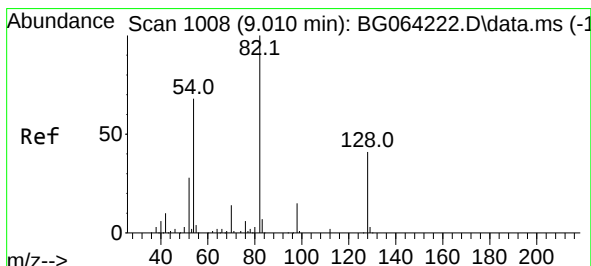
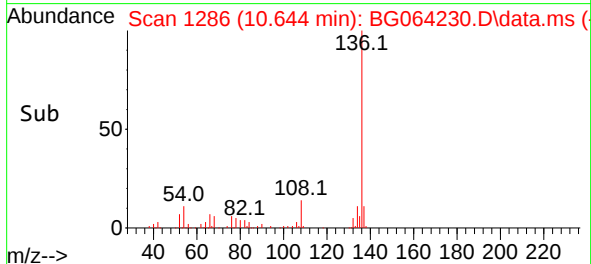
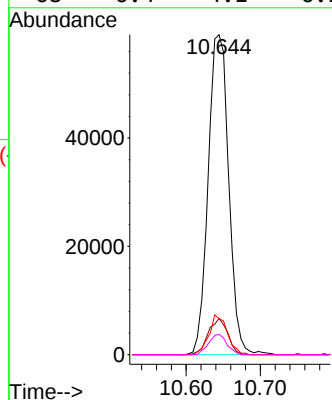
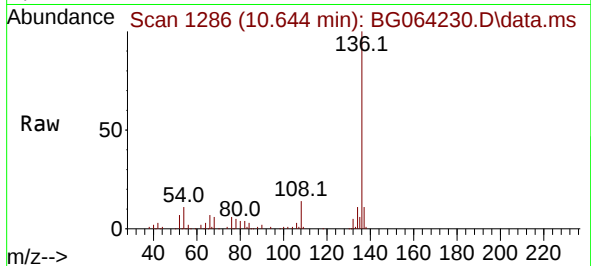




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

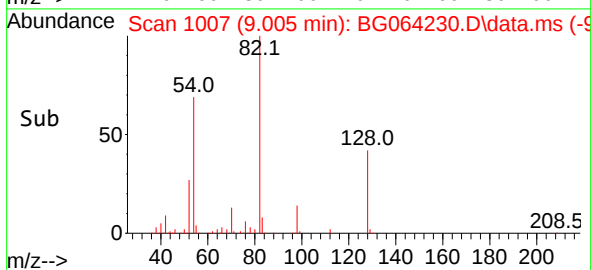
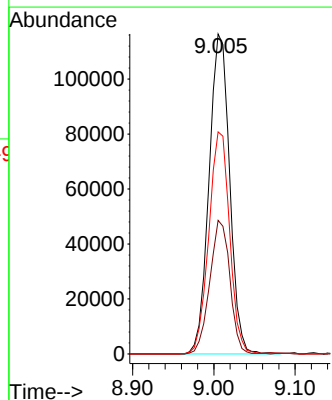
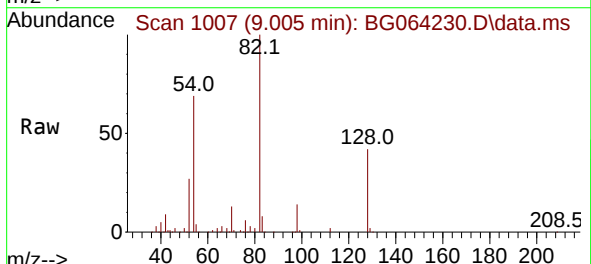
Instrument :
BNA_G
ClientSampleId :
PB169464BL

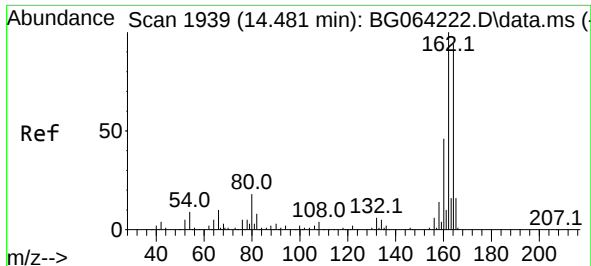
Tgt Ion:	136	Resp:	113939
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.6	14.4
54	11.3	8.8	13.2
68	6.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 100.308 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.011 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion:	82	Resp:	204930
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.6	48.8
54	69.4	54.7	82.1

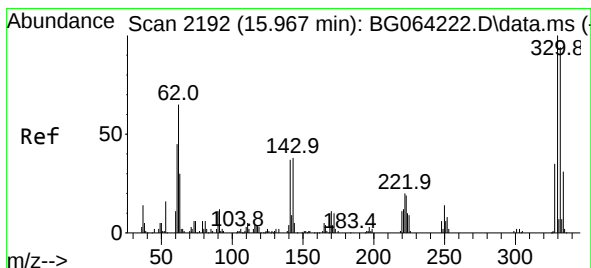
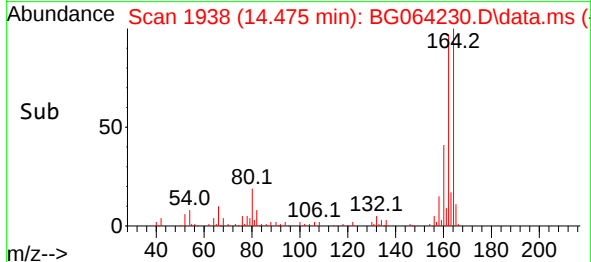
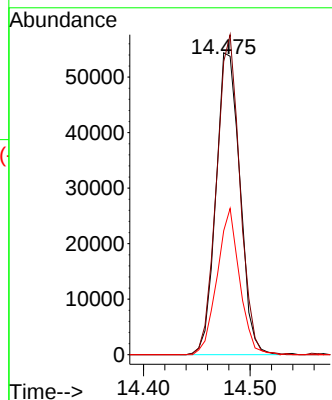
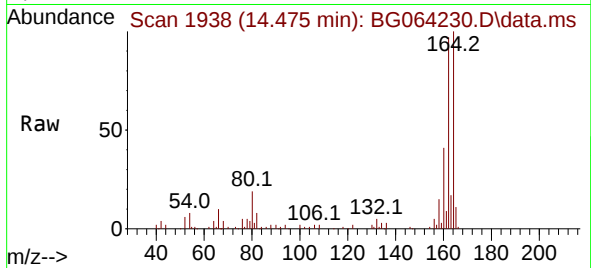




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

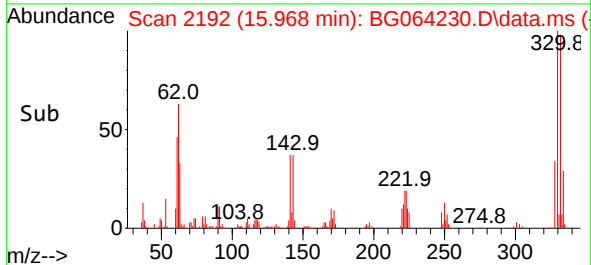
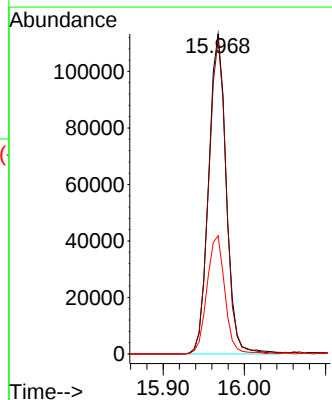
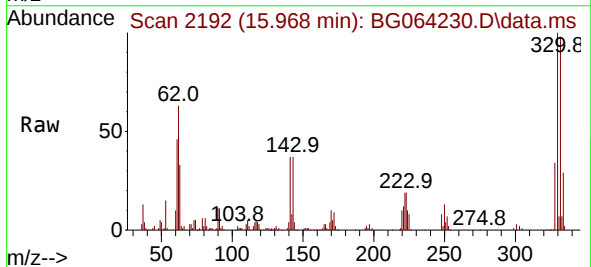
Instrument :
BNA_G
ClientSampleId :
PB169464BL

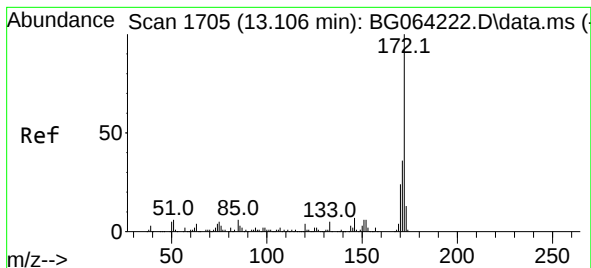
Tgt Ion:164 Resp: 84898
Ion Ratio Lower Upper
164 100
162 97.1 85.4 128.0
160 41.1 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 151.545 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion:330 Resp: 170414
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 37.6 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 95.037 ng

RT: 13.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064230.D

Acq: 29 Aug 2025 15:11

Instrument :

BNA_G

ClientSampleId :

PB169464BL

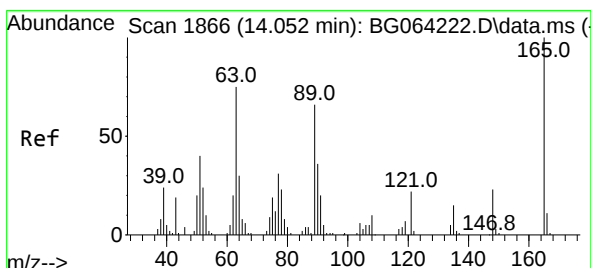
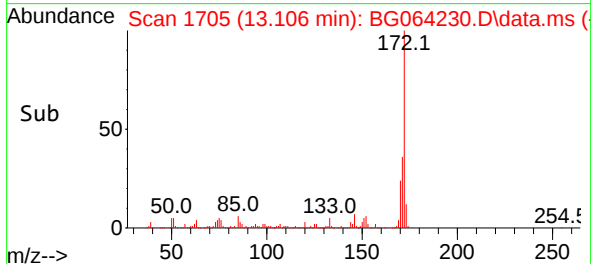
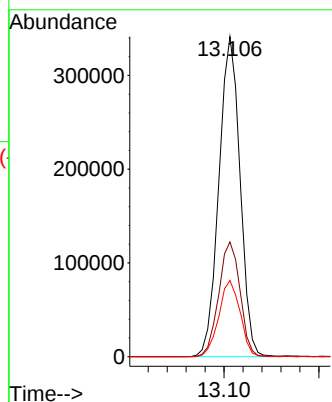
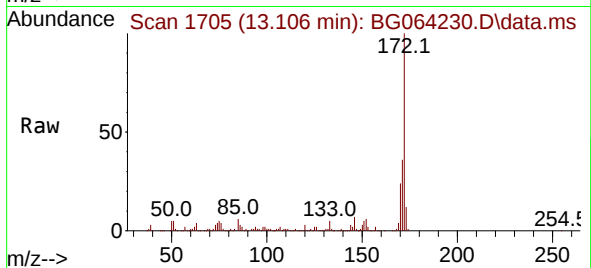
Tgt Ion:172 Resp: 528610

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.8 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.865 ng

RT: 14.481 min Scan# 1939

Delta R.T. 0.423 min

Lab File: BG064230.D

Acq: 29 Aug 2025 15:11

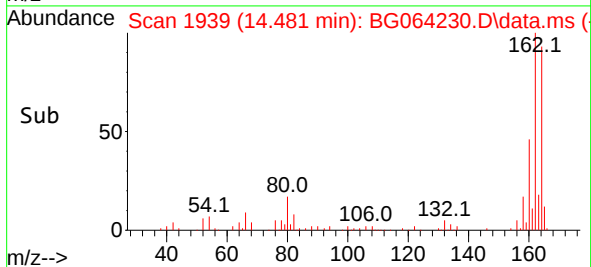
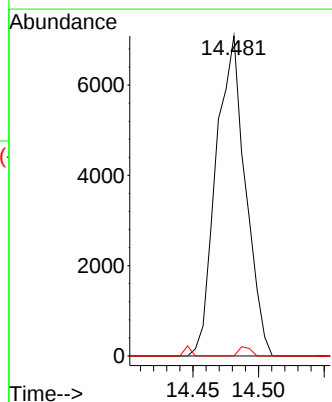
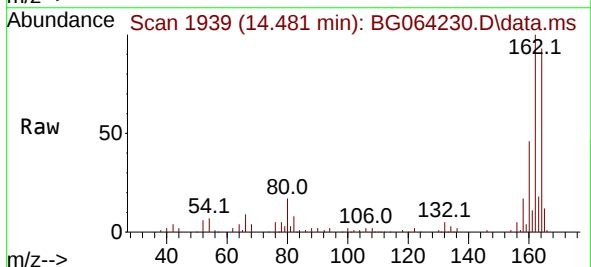
Tgt Ion:165 Resp: 11029

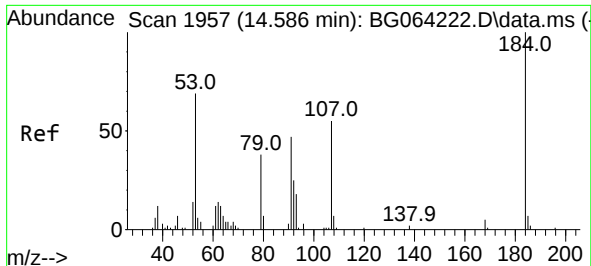
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

89 0.0 52.9 79.3#

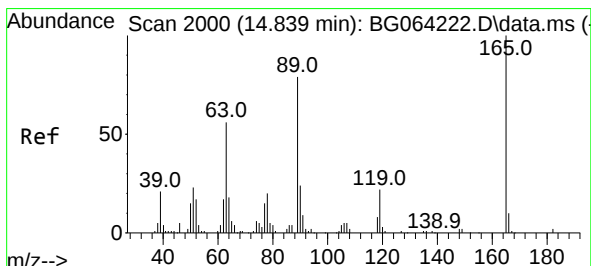
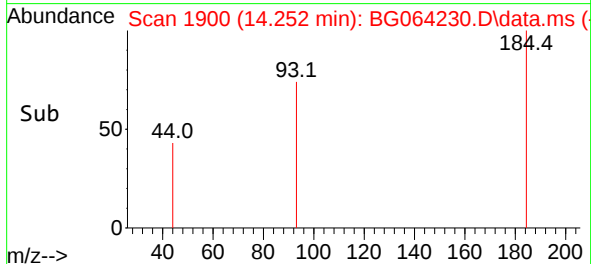
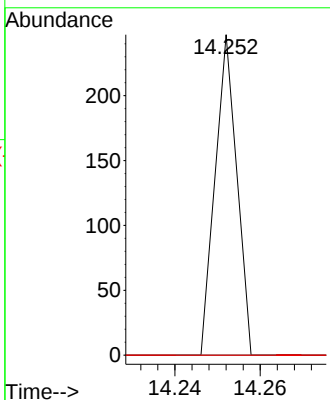
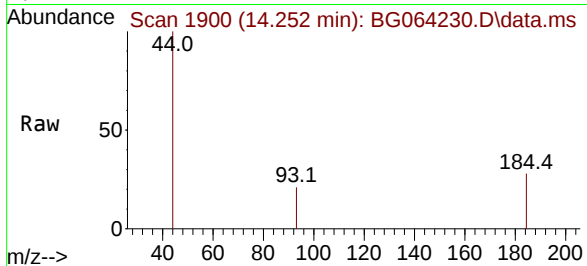




#54
2,4-Dinitrophenol
Concen: 5.751 ng
RT: 14.252 min Scan# 1957
Delta R.T. -0.340 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

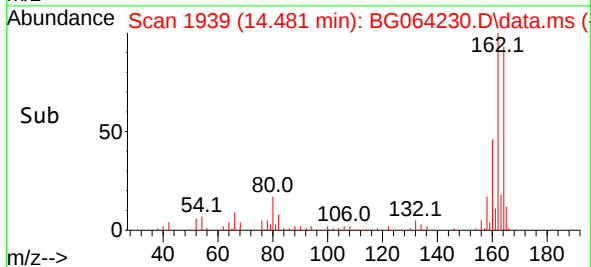
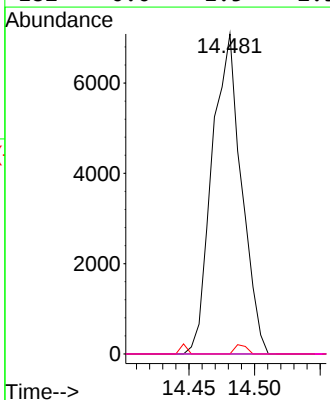
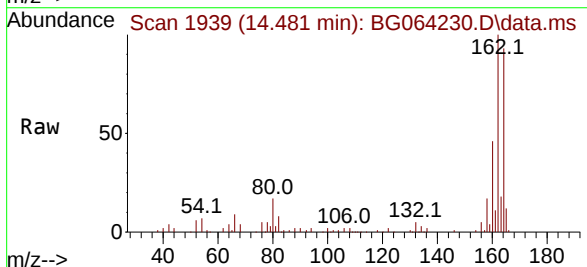
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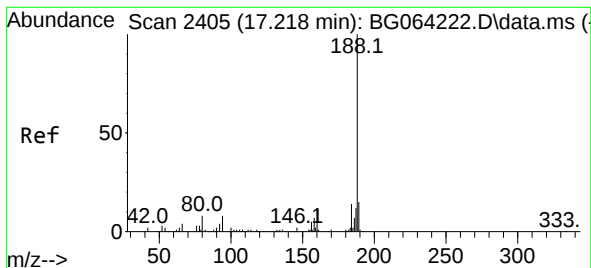
Tgt Ion:184 Resp: 87
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 5.863 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.364 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion:165 Resp: 11029
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#

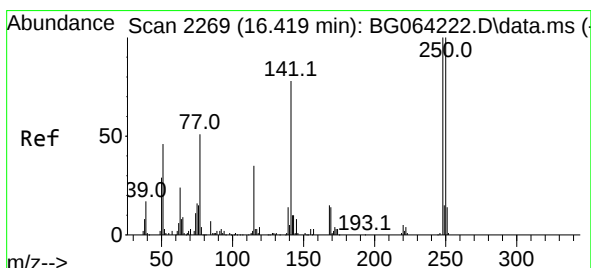
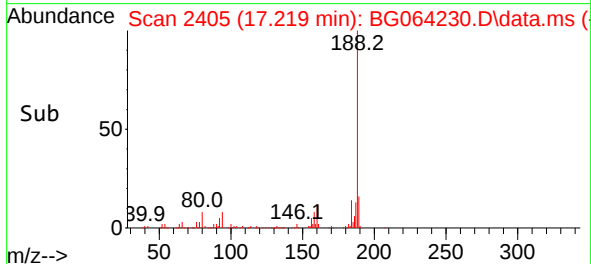
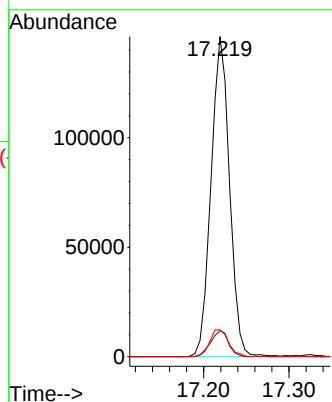
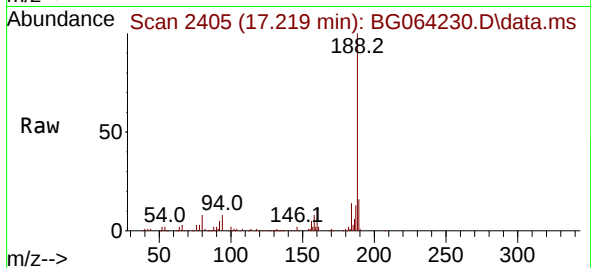




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

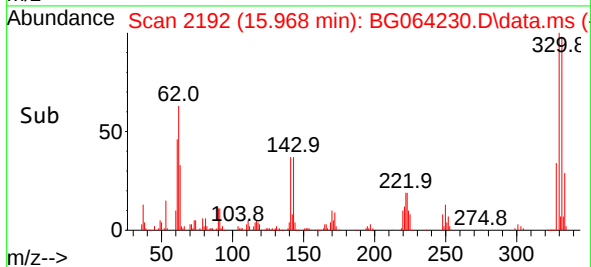
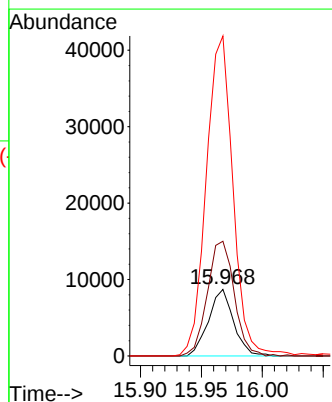
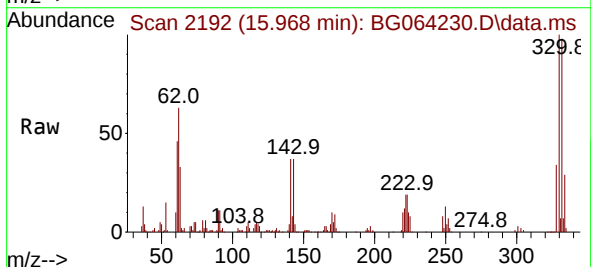
Instrument :
BNA_G
ClientSampleId :
PB169464BL

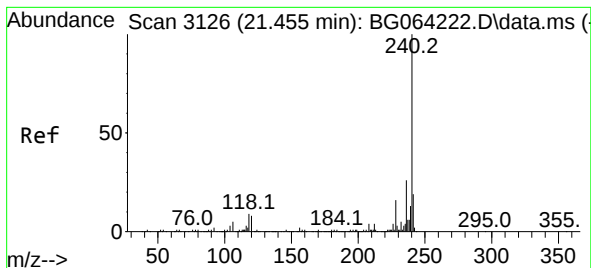
Tgt Ion:188 Resp: 220191
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.4
80 8.4 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 5.352 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.452 min
Lab File: BG064230.D
Acq: 29 Aug 2025 15:11

Tgt Ion:248 Resp: 12517
Ion Ratio Lower Upper
248 100
250 172.2 80.2 120.4#
141 480.2 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: BG064230.D

Acq: 29 Aug 2025 15:11

Instrument :

BNA_G

ClientSampleId :

PB169464BL

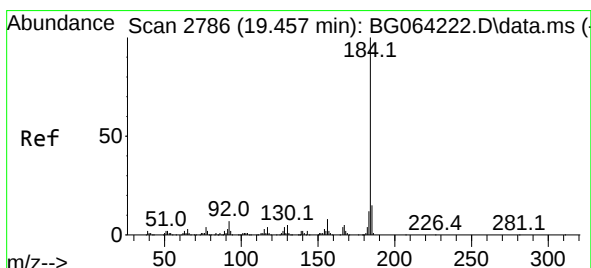
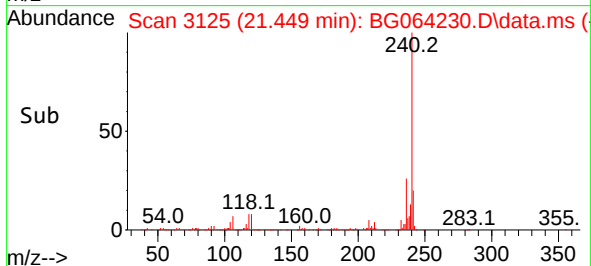
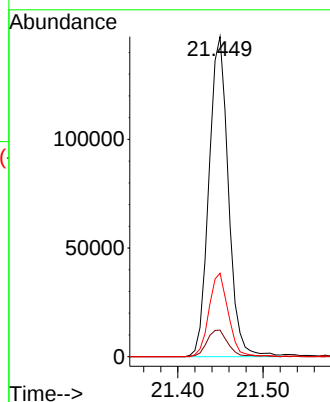
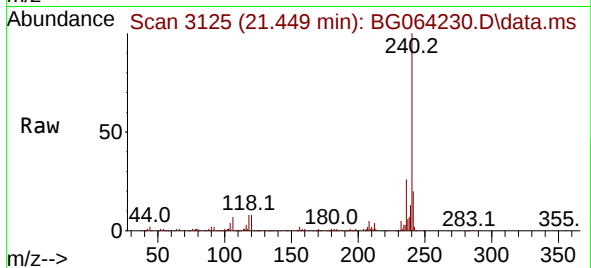
Tgt Ion:240 Resp: 233189

Ion Ratio Lower Upper

240 100

120 8.3 6.2 9.4

236 26.1 20.5 30.7



#77

Benzidine

Concen: 4.458 ng

RT: 19.840 min Scan# 2851

Delta R.T. 0.382 min

Lab File: BG064230.D

Acq: 29 Aug 2025 15:11

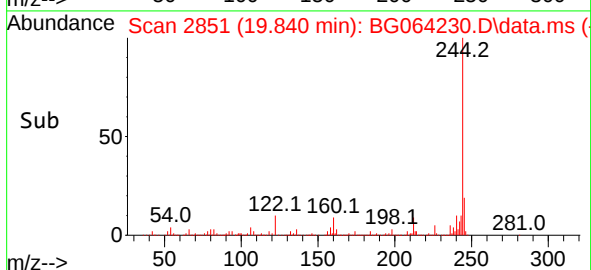
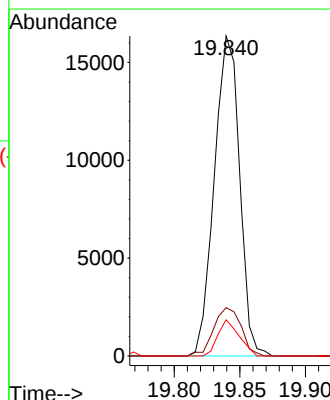
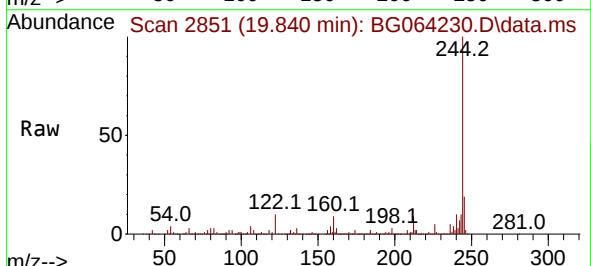
Tgt Ion:184 Resp: 21867

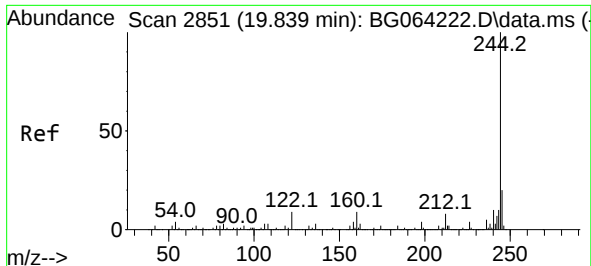
Ion Ratio Lower Upper

184 100

185 15.1 11.7 17.5

183 11.3 9.7 14.5

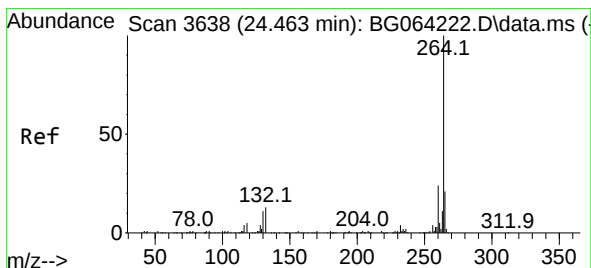
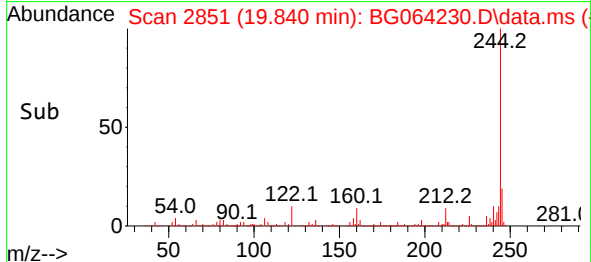
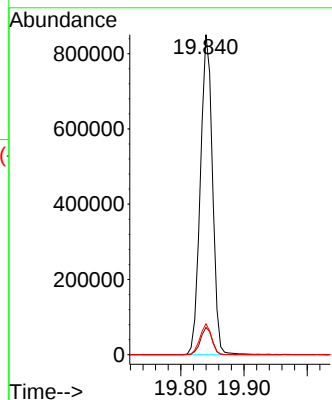
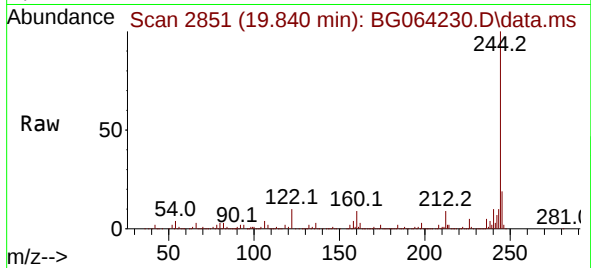




#79
 Terphenyl-d14
 Concen: 101.279 ng
 RT: 19.840 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064230.D
 Acq: 29 Aug 2025 15:11

Instrument :
 BNA_G
 ClientSampleId :
 PB169464BL

Tgt Ion:244 Resp: 1131988
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.6 10.0
 122 9.6 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.452 min Scan# 3636
 Delta R.T. -0.011 min
 Lab File: BG064230.D
 Acq: 29 Aug 2025 15:11

Tgt Ion:264 Resp: 249045
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.9 28.3
 265 23.1 16.7 25.1

