

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
 Data File : BG064800.D
 Acq On : 18 Nov 2025 12:53
 Operator : RC/JU
 Sample : PB170598BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170598BL

Quant Time: Nov 18 13:28:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

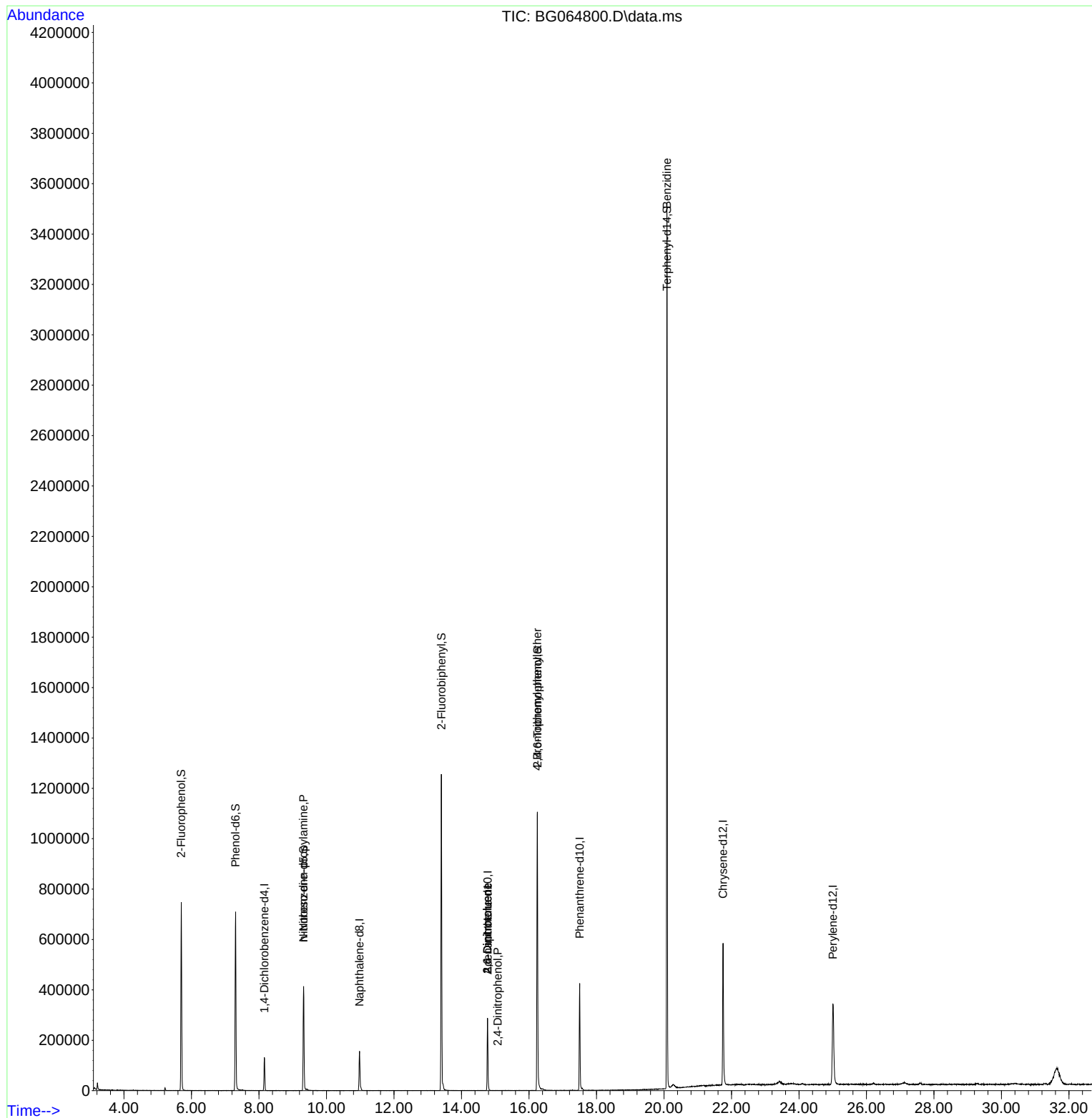
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	39789	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	147034	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	118356	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	299804	20.000	ng	0.00
76) Chrysene-d12	21.750	240	430208	20.000	ng	0.00
86) Perylene-d12	25.005	264	423715	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	310288	136.176	ng	0.00
7) Phenol-d6	7.308	99	410954	135.601	ng	0.00
23) Nitrobenzene-d5	9.323	82	252984	85.070	ng	0.00
42) 2,4,6-Tribromophenol	16.250	330	297170	128.739	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	723900	85.343	ng	0.00
79) Terphenyl-d14	20.087	244	1945948	88.977	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.323	70	32685	15.951	ng	# 67
51) 2,6-Dinitrotoluene	14.770	165	15484	8.607	ng	# 21
54) 2,4-Dinitrophenol	15.075	184	55	8.624	ng	# 20
57) 2,4-Dinitrotoluene	14.770	165	15484	5.741	ng	# 24
67) 4-Bromophenyl-phenylether	16.244	248	18102	4.598	ng	# 1
77) Benzidine	20.093	184	26916	2.089	ng	# 93

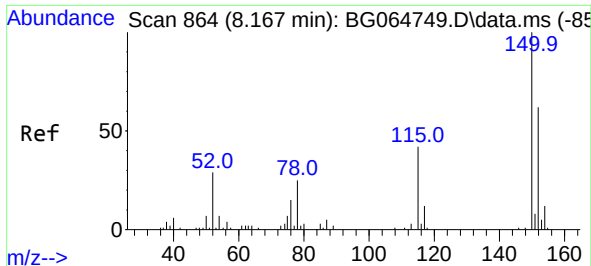
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064800.D
Acq On : 18 Nov 2025 12:53
Operator : RC/JU
Sample : PB170598BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Quant Time: Nov 18 13:28:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

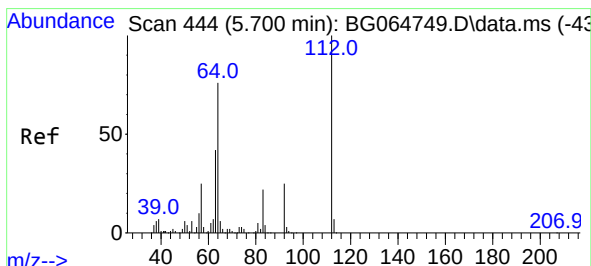
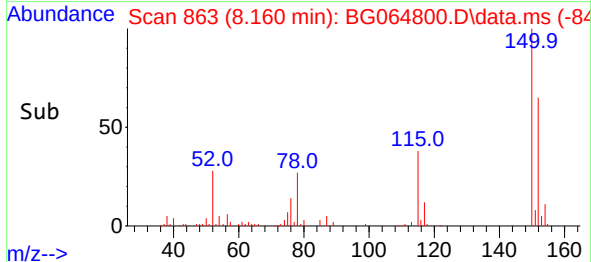
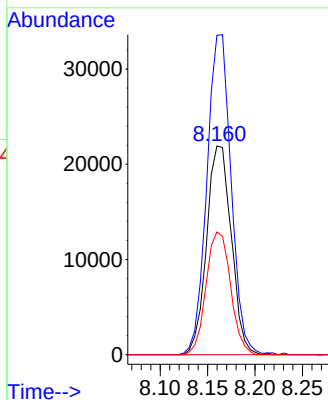
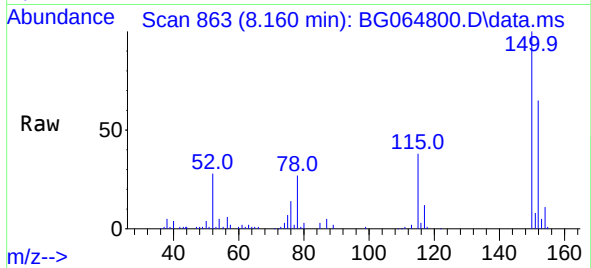




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.160 min Scan# 864
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

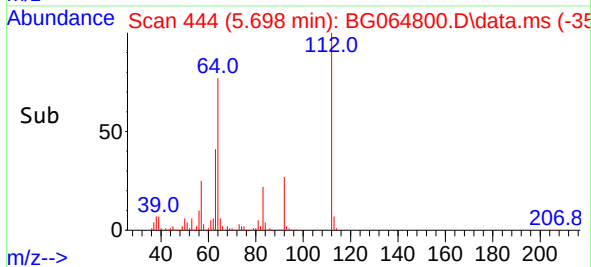
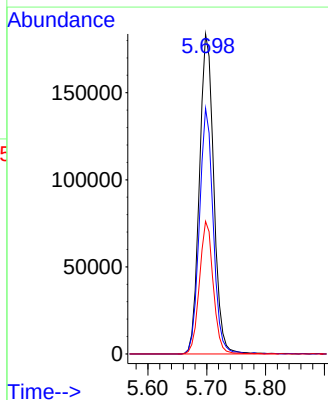
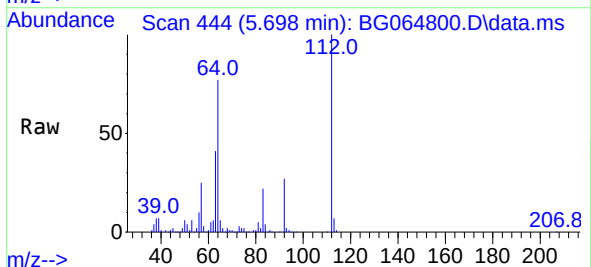
Instrument :
BNA_G
ClientSampleId :
PB170598BL

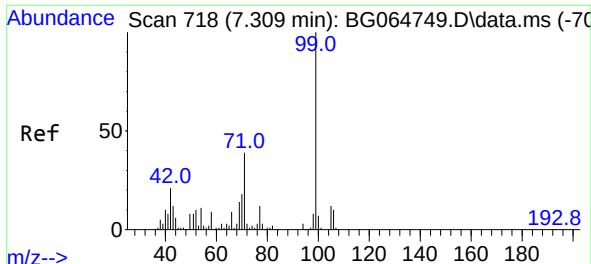
Tgt Ion:152 Resp: 39789
Ion Ratio Lower Upper
152 100
150 153.0 129.2 193.8
115 58.8 53.7 80.5



#5
2-Fluorophenol
Concen: 136.176 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:112 Resp: 310288
Ion Ratio Lower Upper
112 100
64 76.7 61.0 91.4
63 41.5 33.3 49.9

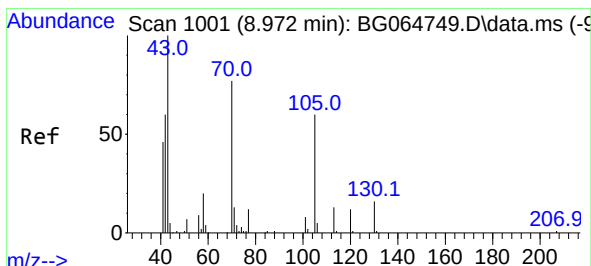
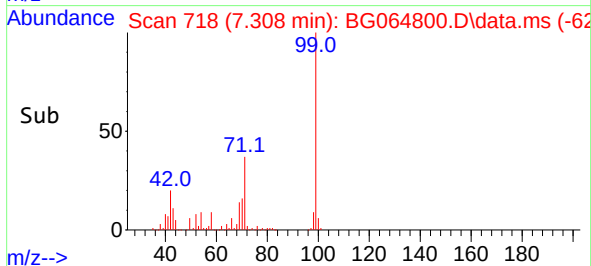
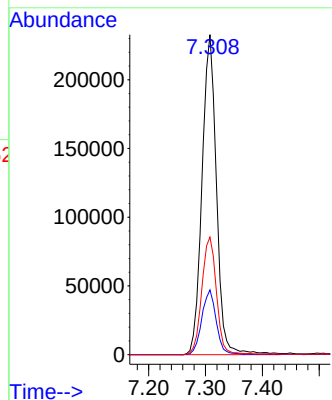
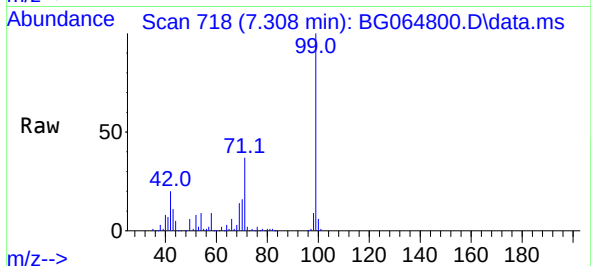




#7
Phenol-d6
Concen: 135.601 ng
RT: 7.308 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

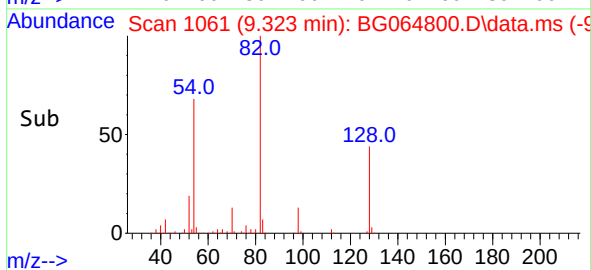
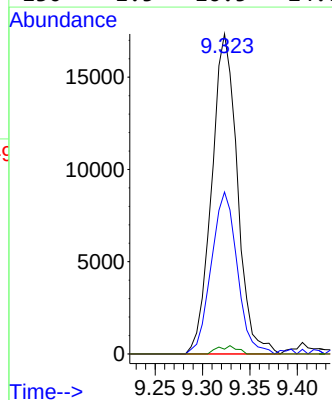
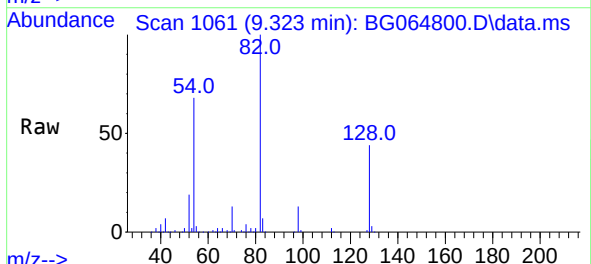
Instrument :
BNA_G
ClientSampleId :
PB170598BL

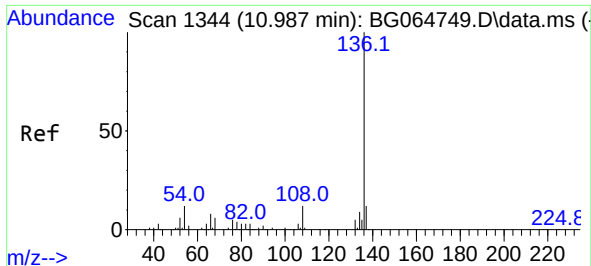
Tgt Ion: 99 Resp: 410954
Ion Ratio Lower Upper
99 100
42 20.3 16.8 25.2
71 36.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.951 ng
RT: 9.323 min Scan# 1061
Delta R.T. 0.351 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion: 70 Resp: 32685
Ion Ratio Lower Upper
70 100
42 50.6 62.6 93.8#
101 0.0 8.0 12.0#
130 1.5 16.5 24.7#



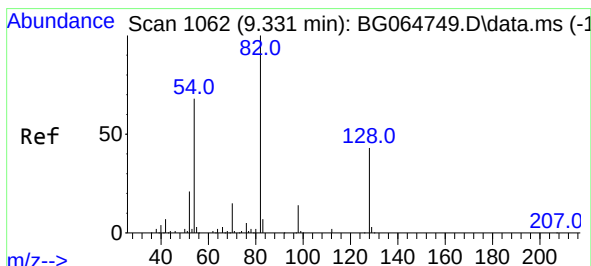
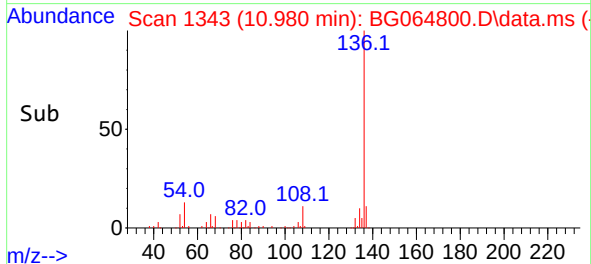
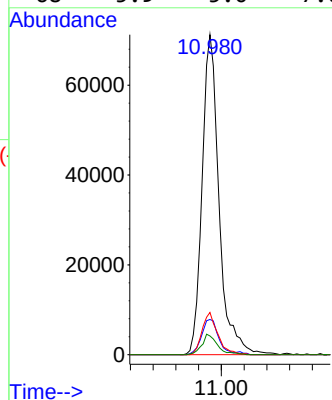
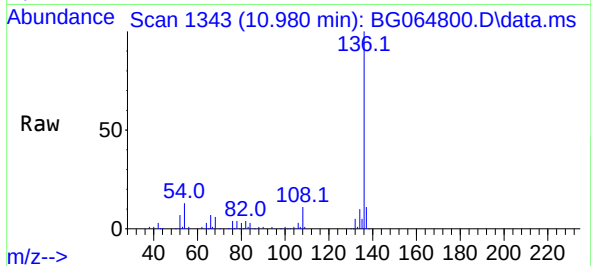


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:136 Resp: 147034

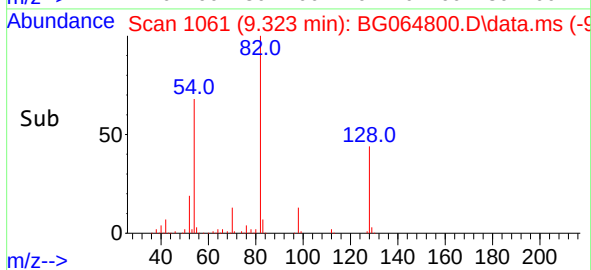
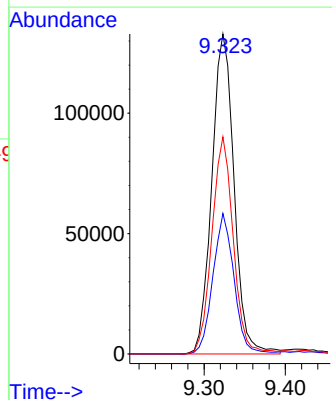
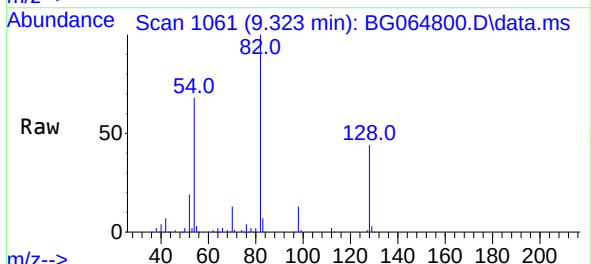
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	13.2	9.3	13.9
68	5.9	5.0	7.6

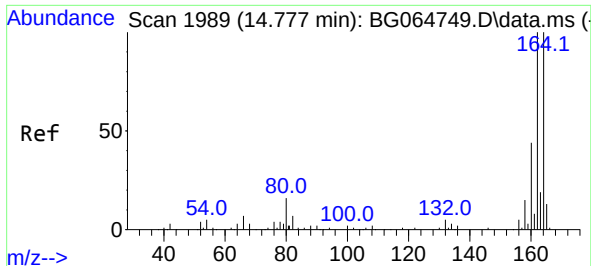


#23
Nitrobenzene-d5
Concen: 85.070 ng
RT: 9.323 min Scan# 1061
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion: 82 Resp: 252984

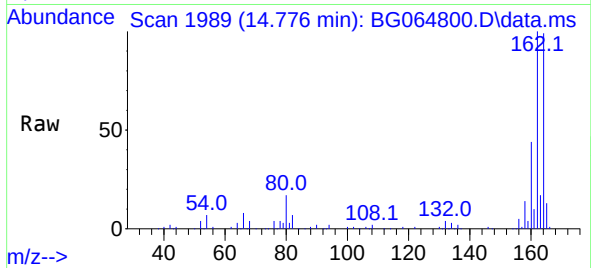
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.1	51.1
54	67.8	54.3	81.5



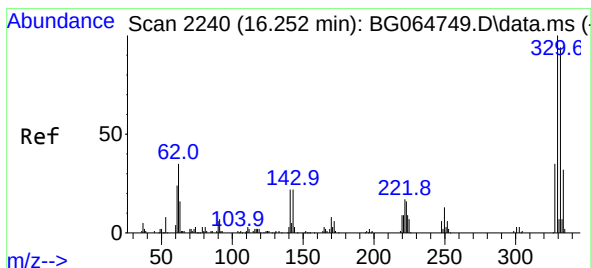
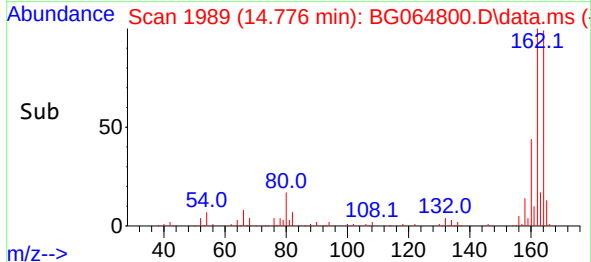
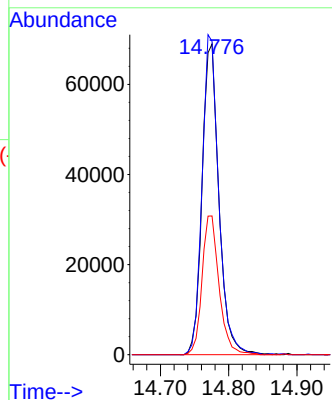


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

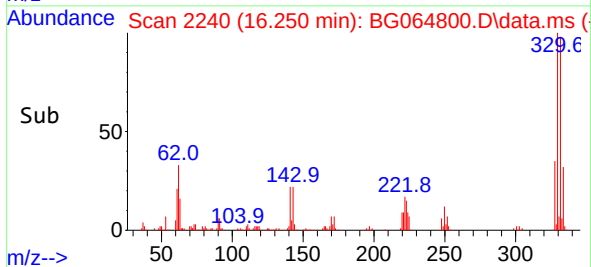
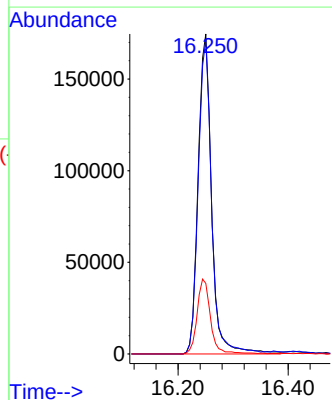
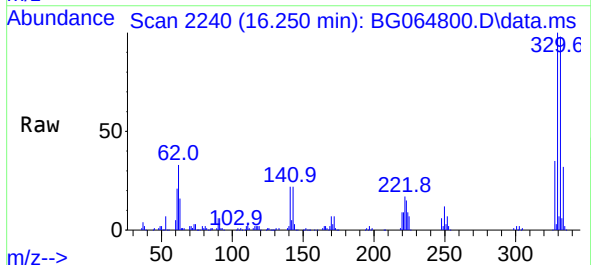


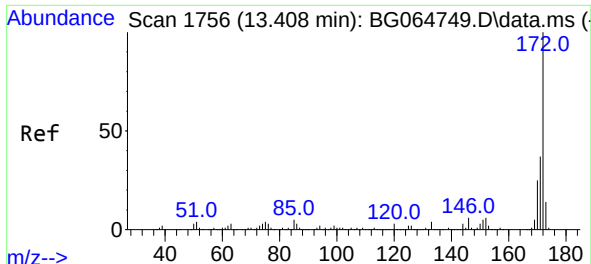
Tgt Ion:164 Resp: 118356
Ion Ratio Lower Upper
164 100
162 100.8 79.8 119.6
160 44.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 128.739 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

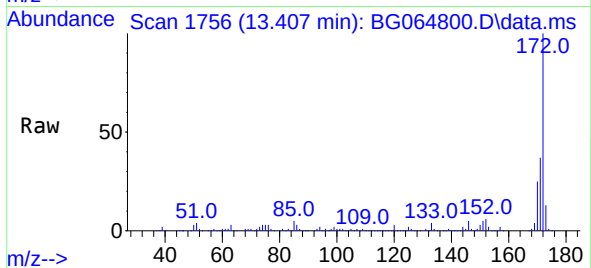
Tgt Ion:330 Resp: 297170
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 23.2 18.2 27.2



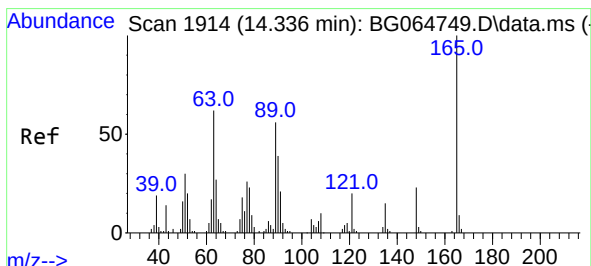
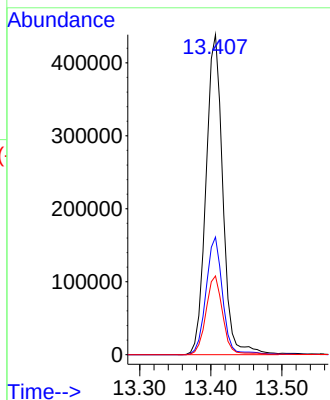
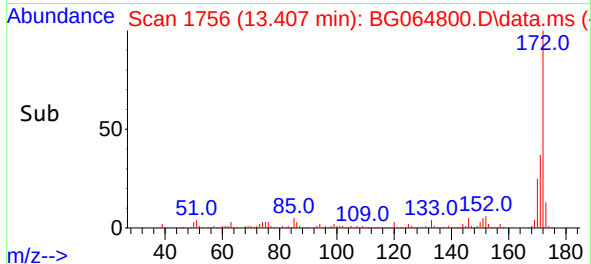


#45
2-Fluorobiphenyl
Concen: 85.343 ng
RT: 13.407 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

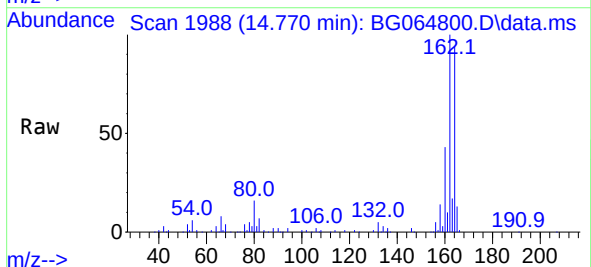
Instrument :
BNA_G
ClientSampleId :
PB170598BL



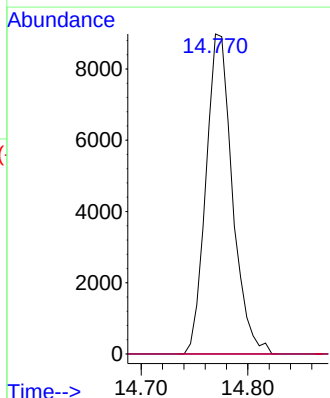
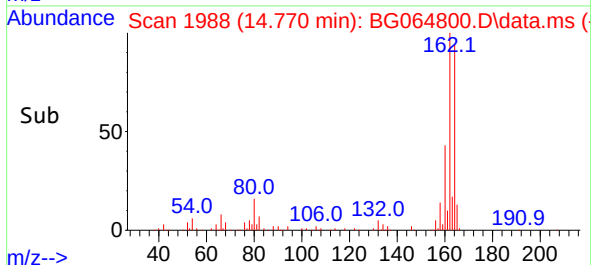
Tgt Ion:172 Resp: 723900
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.6 19.8 29.6

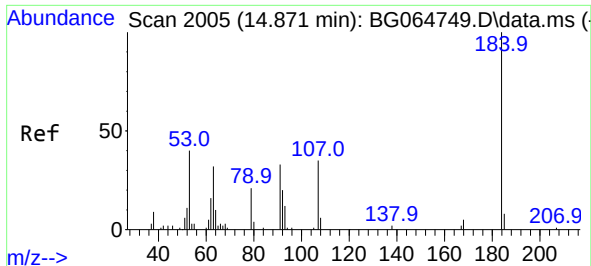


#51
2,6-Dinitrotoluene
Concen: 8.607 ng
RT: 14.770 min Scan# 1988
Delta R.T. 0.433 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53



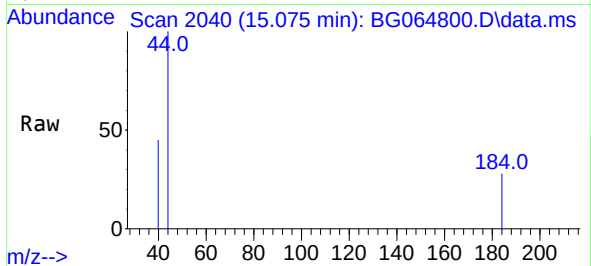
Tgt Ion:165 Resp: 15484
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



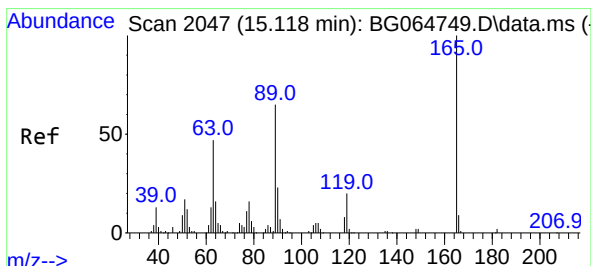
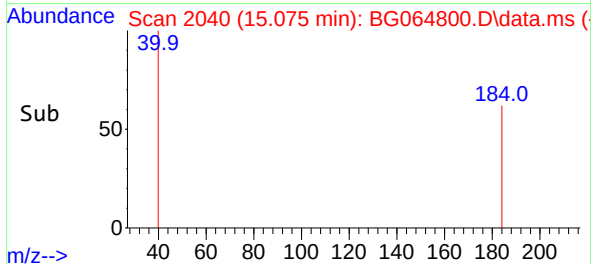
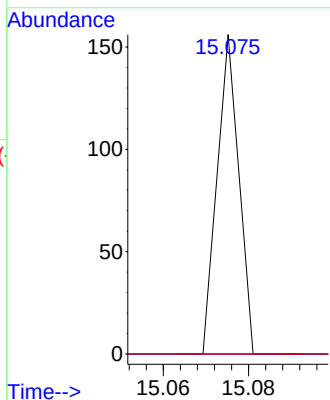


#54
2,4-Dinitrophenol
Concen: 8.624 ng
RT: 15.075 min Scan# 20
Delta R.T. 0.204 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

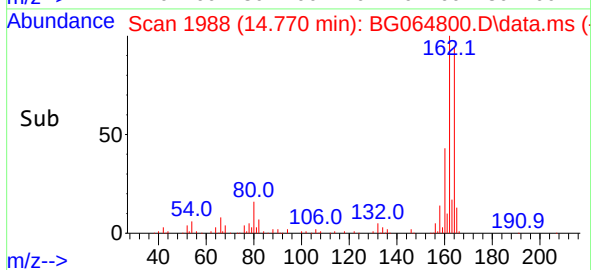
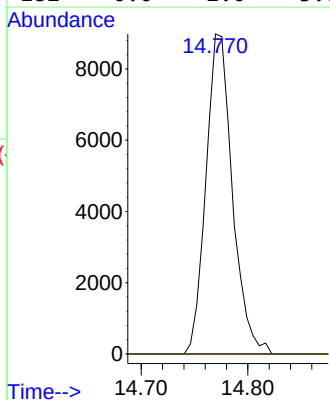
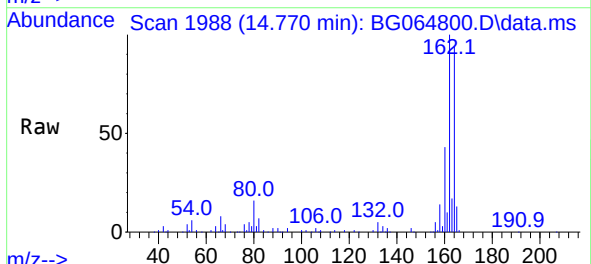


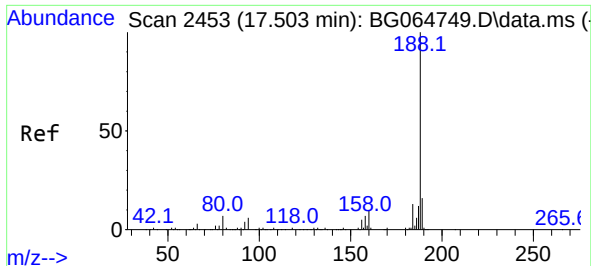
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 45.8 68.6#
154 0.0 52.6 78.8#



#57
2,4-Dinitrotoluene
Concen: 5.741 ng
RT: 14.770 min Scan# 1988
Delta R.T. -0.348 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:165 Resp: 15484
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#

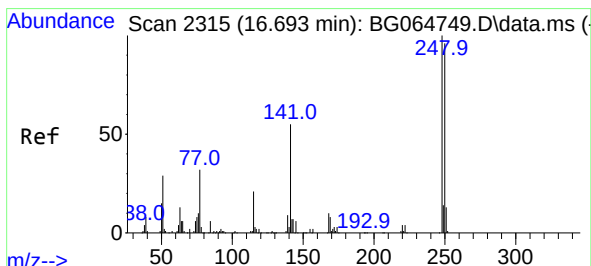
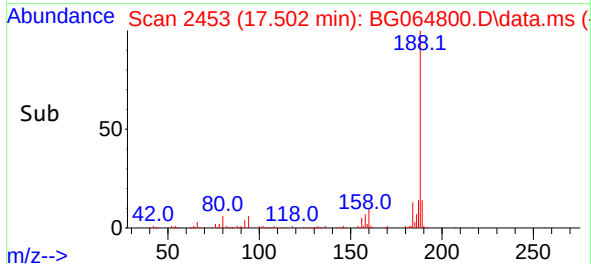
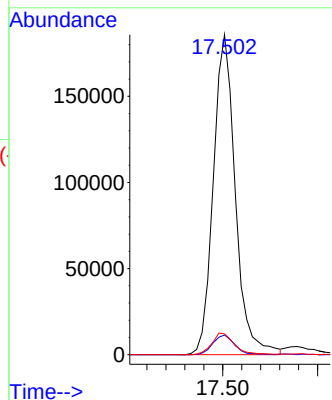
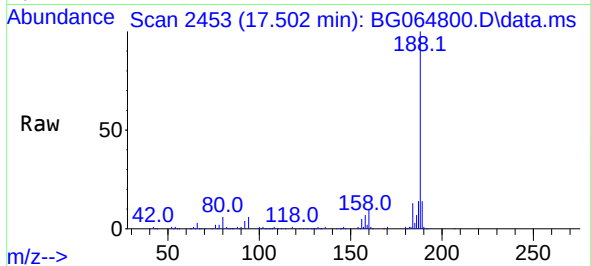




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

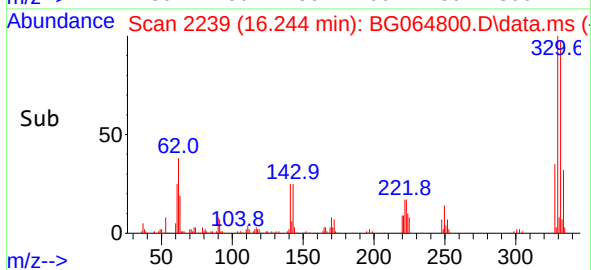
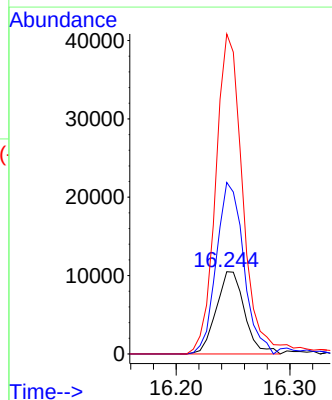
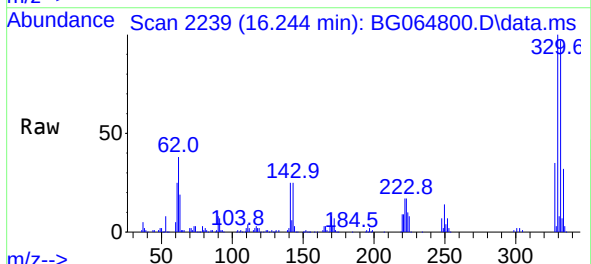
Instrument :
BNA_G
ClientSampleId :
PB170598BL

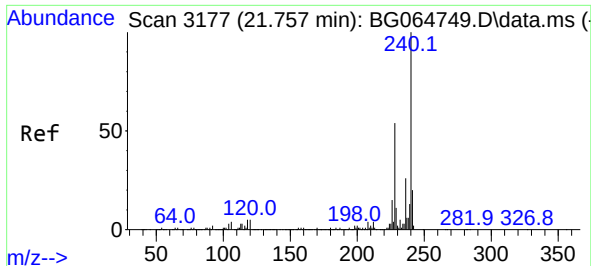
Tgt Ion:188 Resp: 299804
Ion Ratio Lower Upper
188 100
94 6.2 4.7 7.1
80 6.5 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.598 ng
RT: 16.244 min Scan# 2239
Delta R.T. -0.448 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:248 Resp: 18102
Ion Ratio Lower Upper
248 100
250 267.8 77.0 115.6#
141 388.8 43.7 65.5#

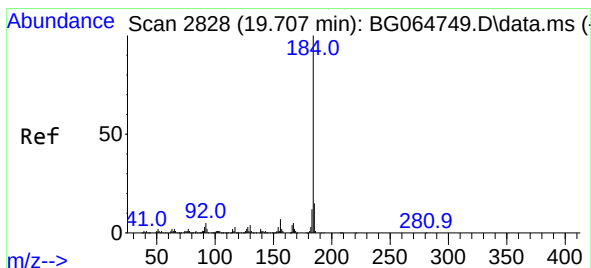
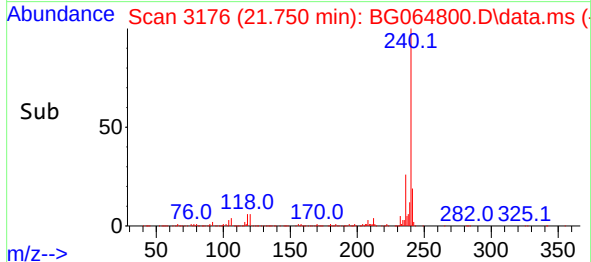
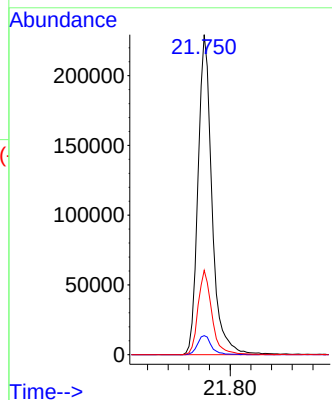
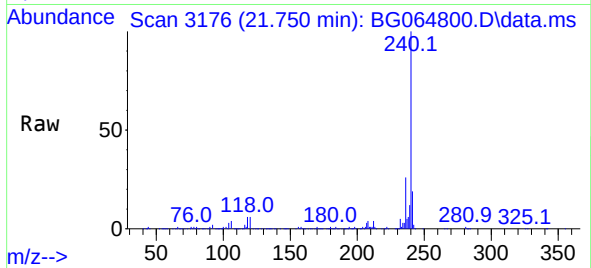




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3177
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

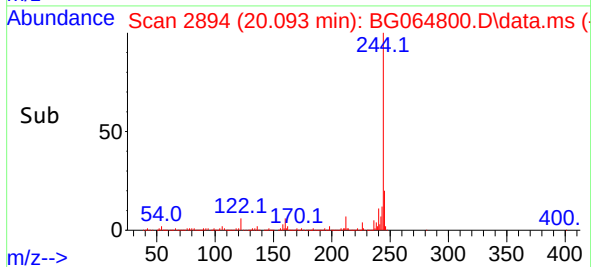
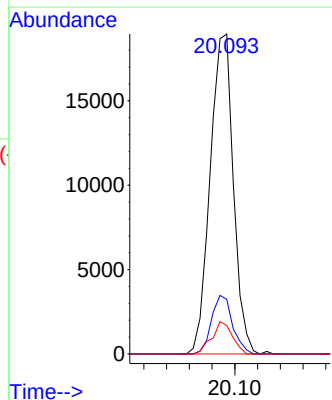
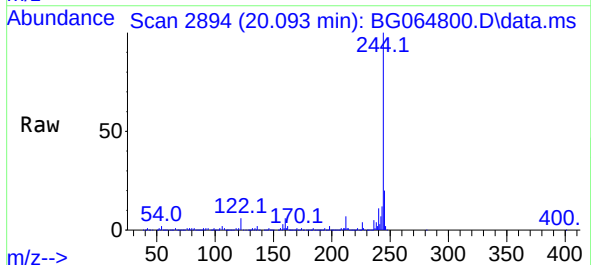
Instrument :
BNA_G
ClientSampleId :
PB170598BL

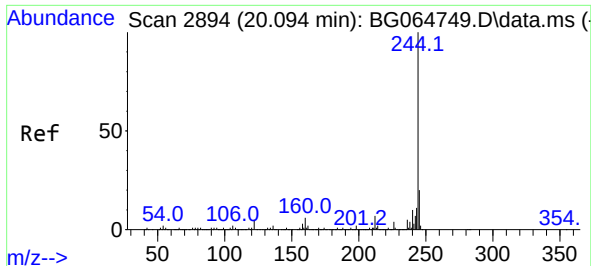
Tgt Ion:240 Resp: 430208
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.4
236 26.4 20.8 31.2



#77
Benzidine
Concen: 2.089 ng
RT: 20.093 min Scan# 2894
Delta R.T. 0.386 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:184 Resp: 26916
Ion Ratio Lower Upper
184 100
185 17.1 11.8 17.6
183 8.9 9.8 14.6#

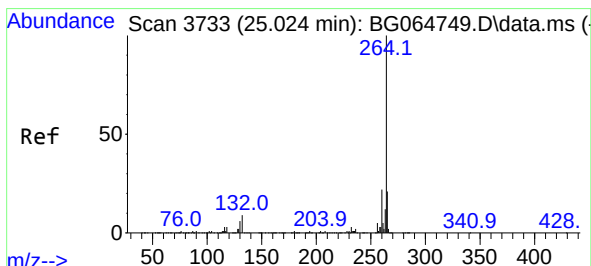
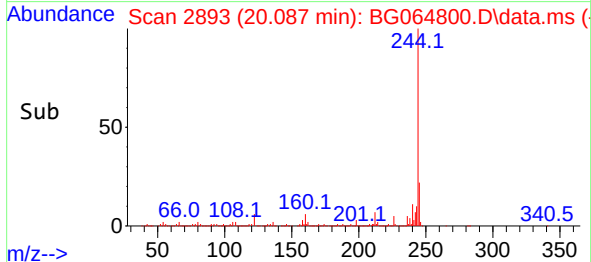
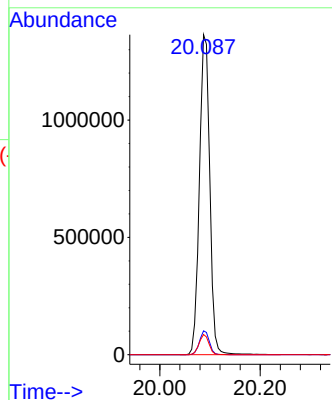
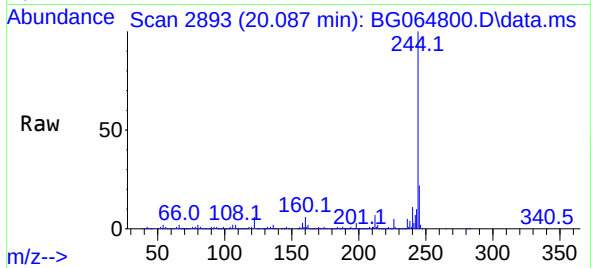




#79
Terphenyl-d14
Concen: 88.977 ng
RT: 20.087 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Instrument :
BNA_G
ClientSampleId :
PB170598BL

Tgt Ion:244 Resp: 1945948
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 6.3 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.005 min Scan# 3730
Delta R.T. -0.019 min
Lab File: BG064800.D
Acq: 18 Nov 2025 12:53

Tgt Ion:264 Resp: 423715
Ion Ratio Lower Upper
264 100
260 22.9 17.2 25.8
265 20.7 16.6 25.0

