

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064943.D
 Acq On : 11 Dec 2025 20:59
 Operator : RC/JU
 Sample : Q3814-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Quant Time: Dec 11 22:43:58 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)

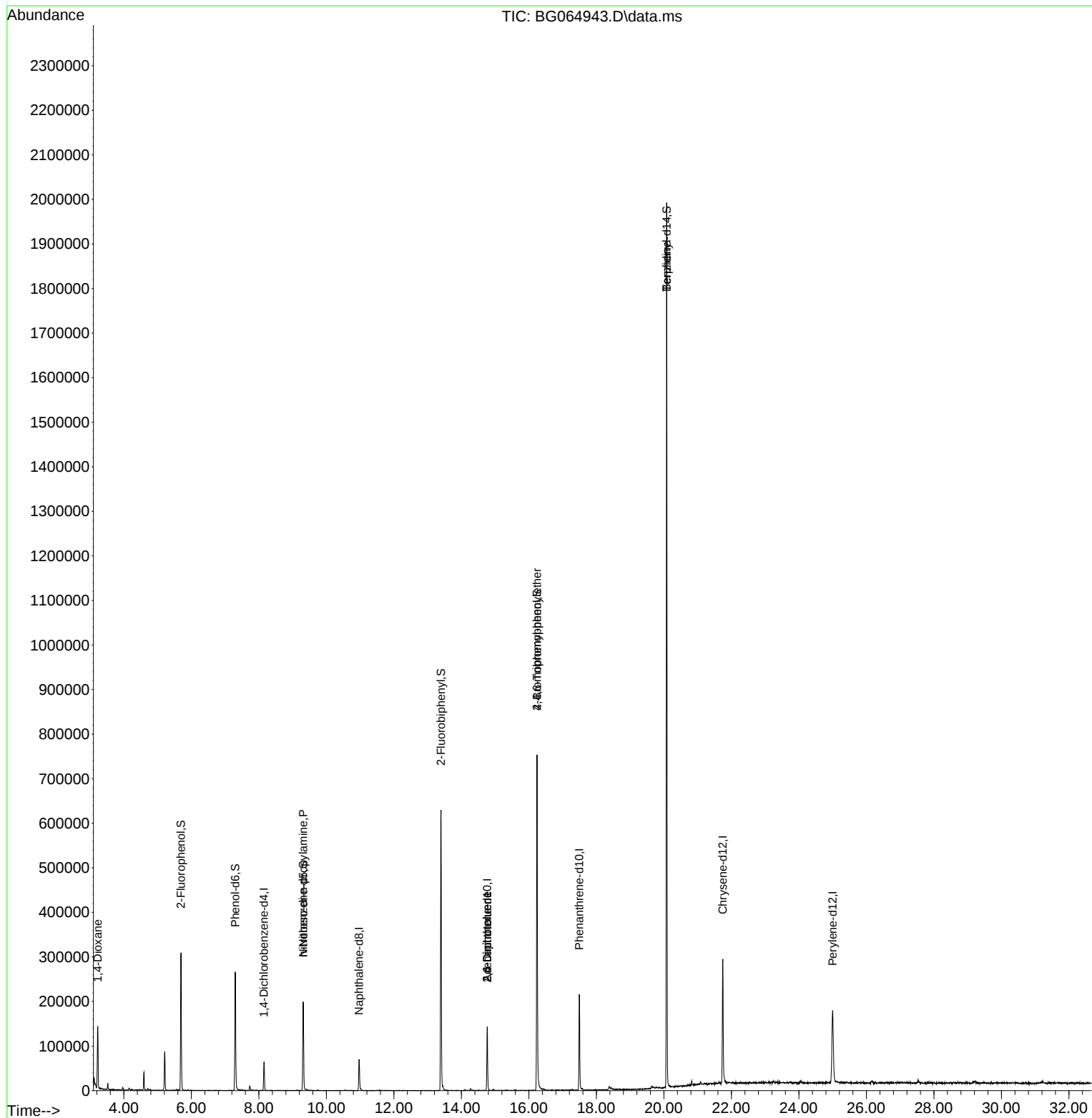
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	19372	20.000	ng	-0.02
21) Naphthalene-d8	10.964	136	69495	20.000	ng	#-0.02
39) Acenaphthene-d10	14.766	164	61227	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	164068	20.000	ng	#-0.01
76) Chrysene-d12	21.746	240	216659	20.000	ng	#-0.01
86) Perylene-d12	25.001	264	216665	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	127022	114.499	ng	0.00
7) Phenol-d6	7.298	99	147075	99.677	ng	-0.01
23) Nitrobenzene-d5	9.313	82	113336	80.634	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	214542	179.666	ng	-0.01
45) 2-Fluorobiphenyl	13.397	172	374976	85.456	ng	-0.01
79) Terphenyl-d14	20.083	244	1097816	99.673	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.226	88	1298	3.022	ng	# 1
19) n-Nitroso-di-n-propyla...	9.313	70	16348	16.386	ng	# 71
51) 2,6-Dinitrotoluene	14.766	165	8221	8.833	ng	# 21
57) 2,4-Dinitrotoluene	14.766	165	8221	5.892	ng	# 24
67) 4-Bromophenyl-phenylether	16.240	248	12371	5.742	ng	# 1
77) Benzidine	20.083	184	15850	2.443	ng	# 92

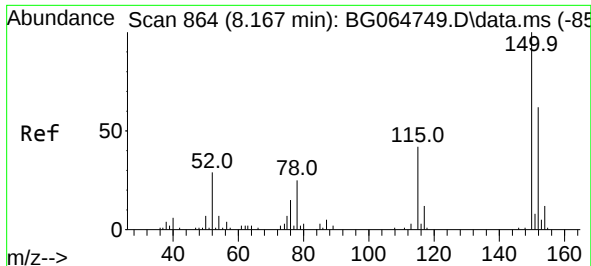
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
Data File : BG064943.D
Acq On : 11 Dec 2025 20:59
Operator : RC/JU
Sample : Q3814-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-12

Quant Time: Dec 11 22:43:58 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

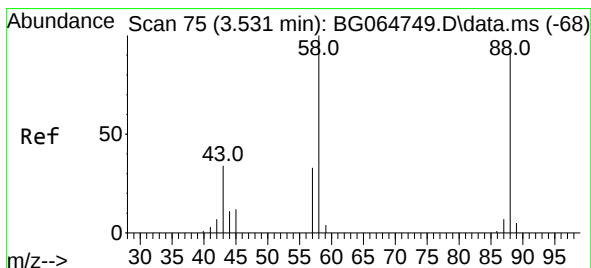
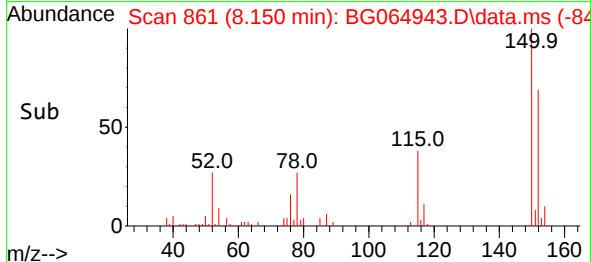
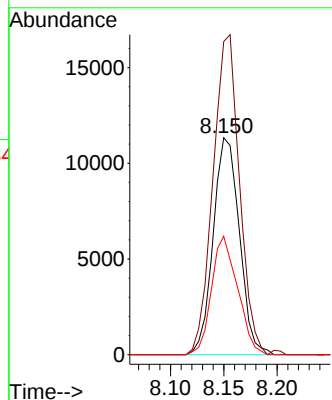
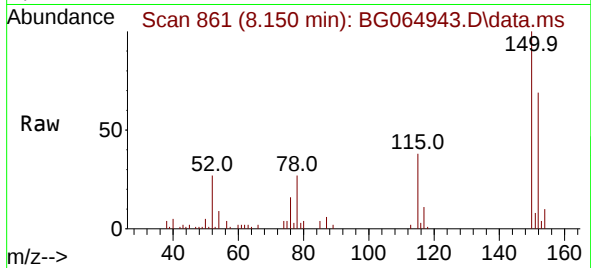




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.150 min Scan# 80
 Delta R.T. -0.017 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

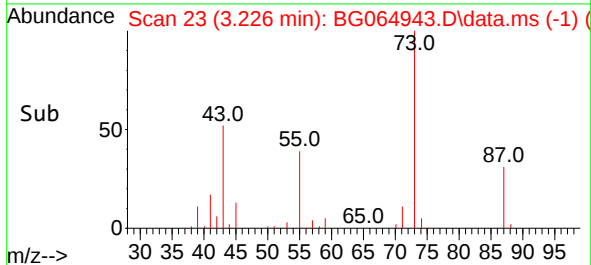
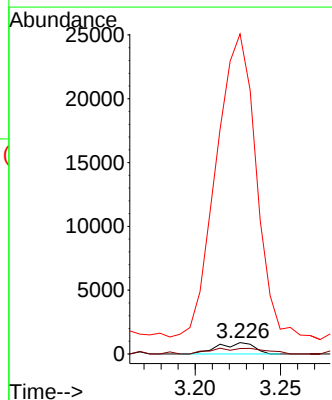
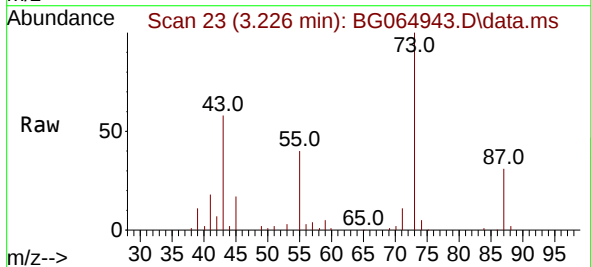
Instrument :
 BNA_G
 ClientSampleId :
 TP-12

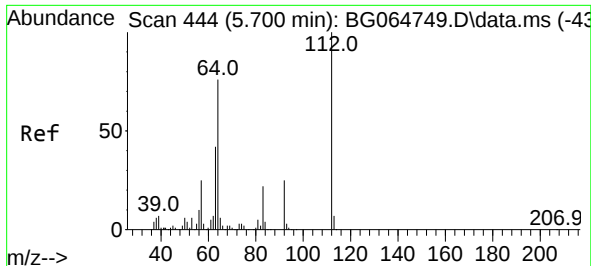
Tgt Ion:152 Resp: 19372
 Ion Ratio Lower Upper
 152 100
 150 144.3 129.2 193.8
 115 54.6 53.7 80.5



#2
 1,4-Dioxane
 Concen: 3.022 ng
 RT: 3.226 min Scan# 23
 Delta R.T. -0.305 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

Tgt Ion: 88 Resp: 1298
 Ion Ratio Lower Upper
 88 100
 58 75.7 84.6 126.8#
 43 3045.0 30.0 45.0#

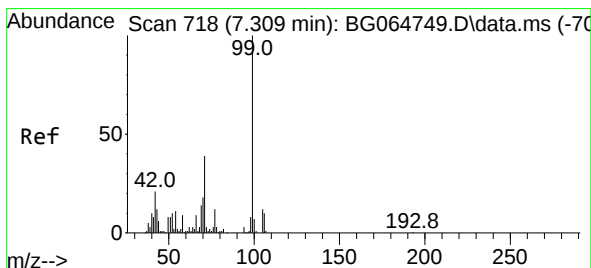
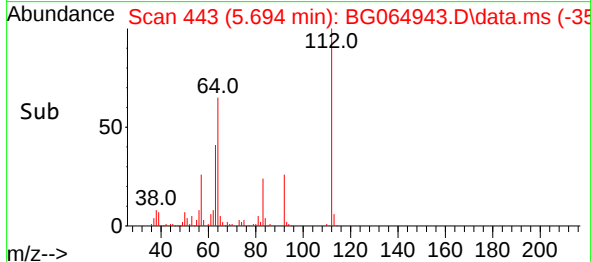
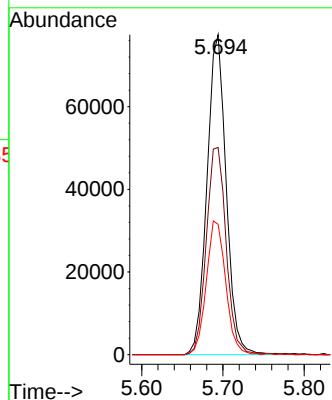
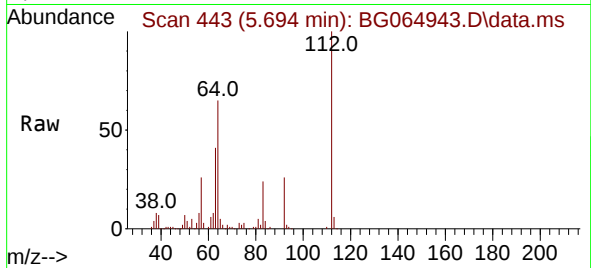




#5
2-Fluorophenol
Concen: 114.499 ng
RT: 5.694 min Scan# 444
Delta R.T. -0.006 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

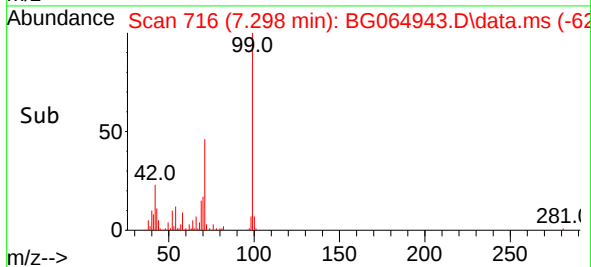
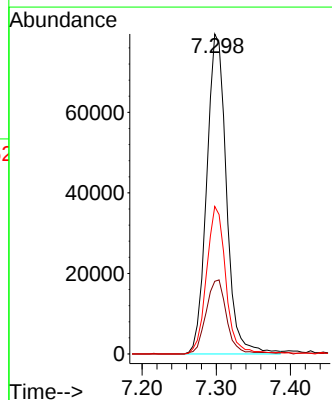
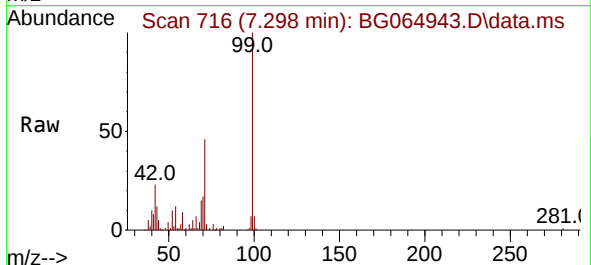
Instrument :
BNA_G
ClientSampleId :
TP-12

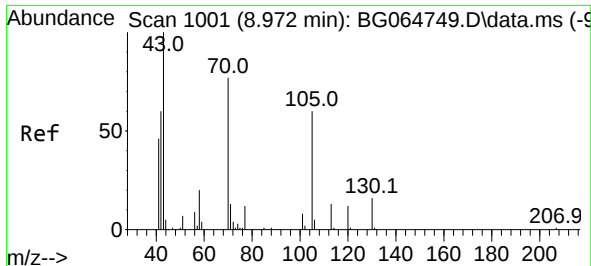
Tgt Ion:112 Resp: 127022
Ion Ratio Lower Upper
112 100
64 64.8 61.0 91.4
63 40.7 33.3 49.9



#7
Phenol-d6
Concen: 99.677 ng
RT: 7.298 min Scan# 716
Delta R.T. -0.011 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion: 99 Resp: 147075
Ion Ratio Lower Upper
99 100
42 22.7 16.8 25.2
71 46.1 31.1 46.7

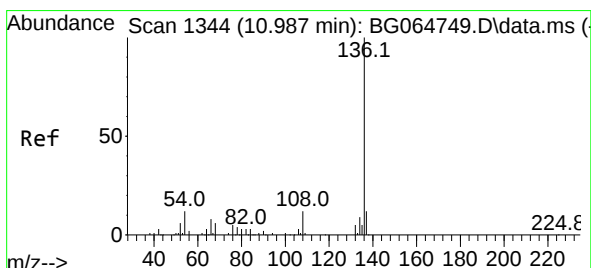
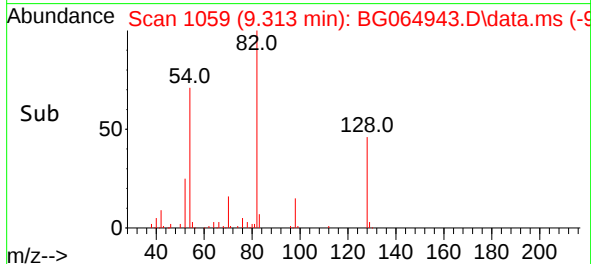
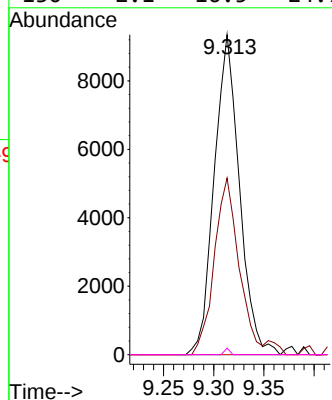
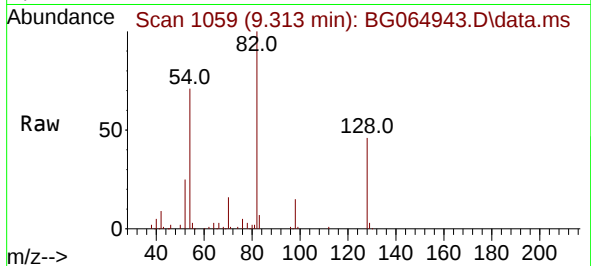




#19
n-Nitroso-di-n-propylamine
Concen: 16.386 ng
RT: 9.313 min Scan# 1001
Delta R.T. 0.341 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

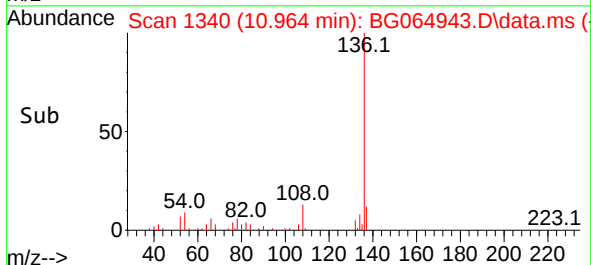
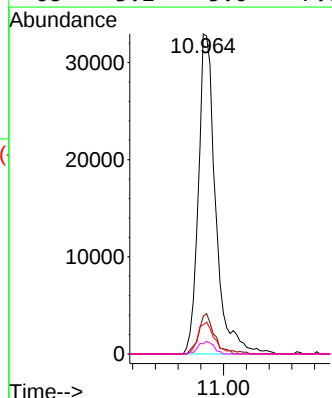
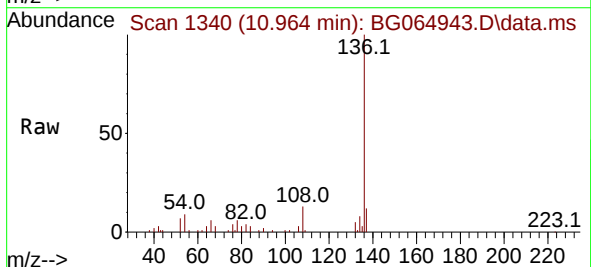
Instrument :
BNA_G
ClientSampleId :
TP-12

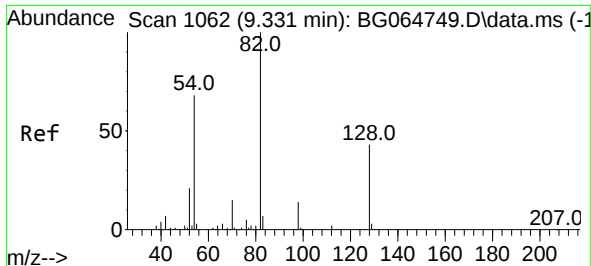
Tgt Ion: 70 Resp: 16348
Ion Ratio Lower Upper
70 100
42 55.2 62.6 93.8#
101 0.0 8.0 12.0#
130 2.1 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.964 min Scan# 1340
Delta R.T. -0.023 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion: 136 Resp: 69495
Ion Ratio Lower Upper
136 100
137 11.8 9.3 13.9
54 9.1 9.3 13.9#
68 3.2 5.0 7.6#

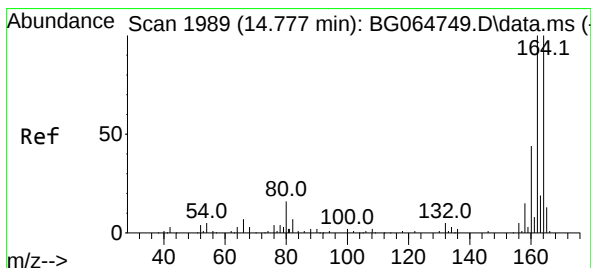
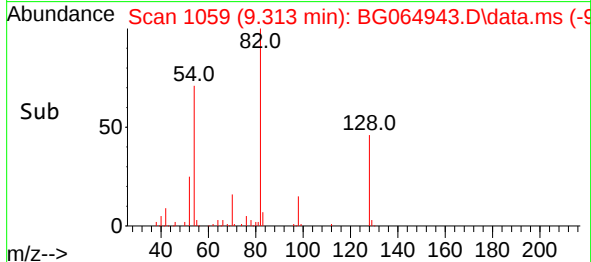
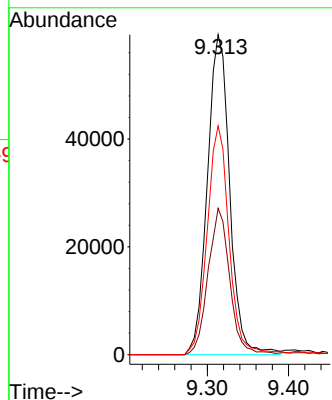
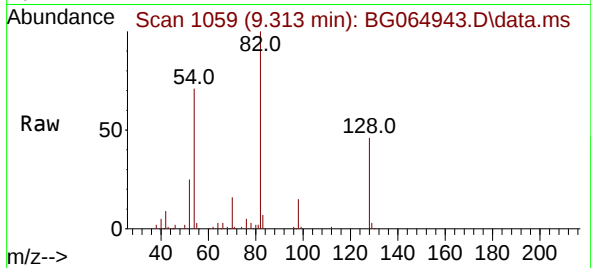




#23
Nitrobenzene-d5
Concen: 80.634 ng
RT: 9.313 min Scan# 1062
Delta R.T. -0.017 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

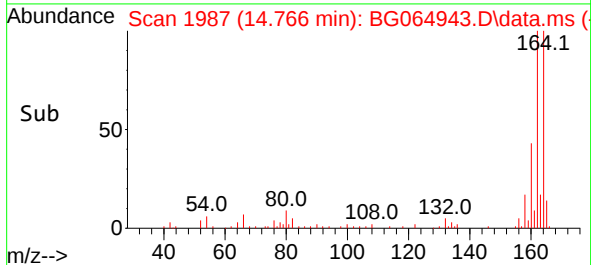
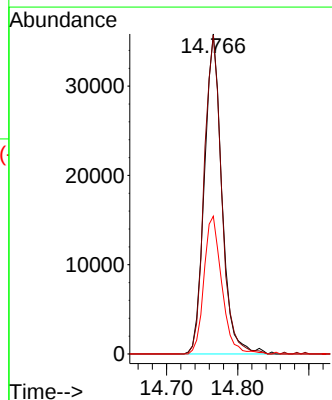
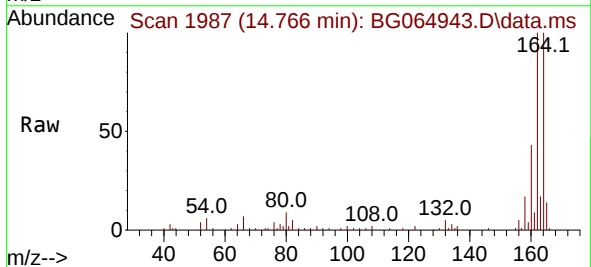
Instrument :
BNA_G
ClientSampleId :
TP-12

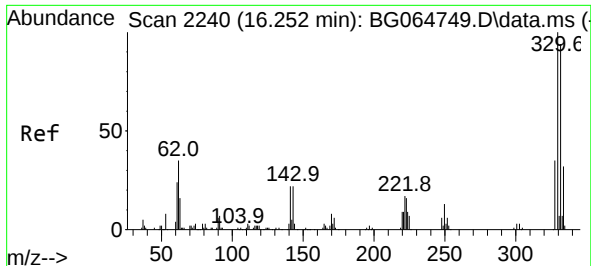
Tgt Ion: 82 Resp: 113336
Ion Ratio Lower Upper
82 100
128 45.8 34.1 51.1
54 71.5 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.766 min Scan# 1987
Delta R.T. -0.011 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion:164 Resp: 61227
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.6
160 43.1 34.9 52.3

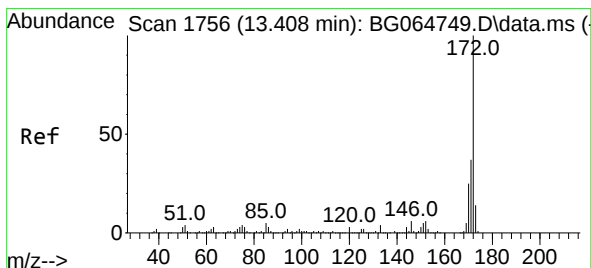
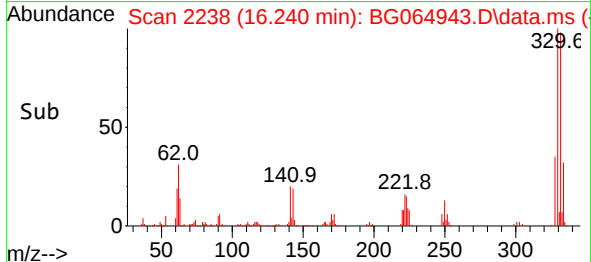
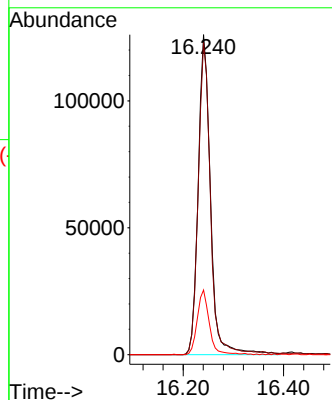
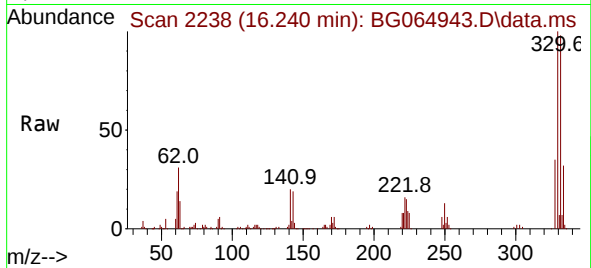




#42
 2,4,6-Tribromophenol
 Concen: 179.666 ng
 RT: 16.240 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

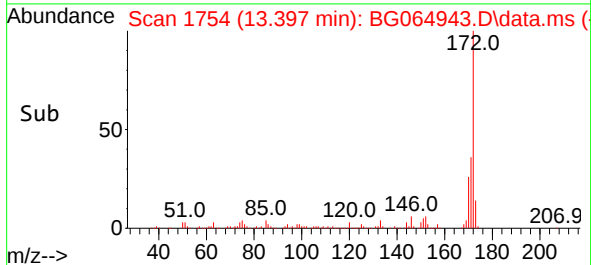
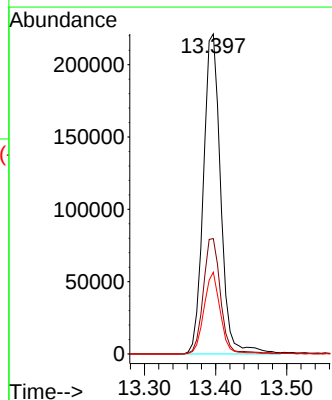
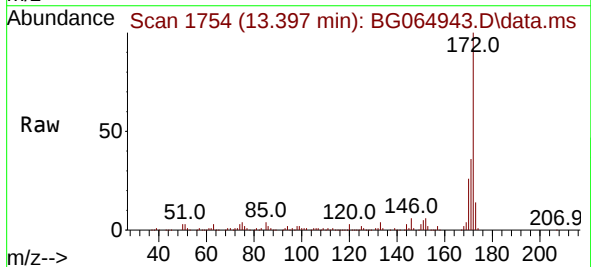
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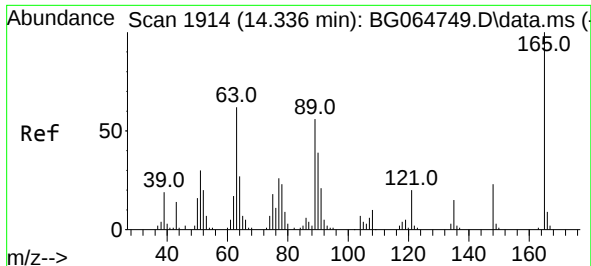
Tgt Ion:330 Resp: 214542
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 19.8 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 85.456 ng
 RT: 13.397 min Scan# 1754
 Delta R.T. -0.011 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

Tgt Ion:172 Resp: 374976
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.9 44.9
 170 25.6 19.8 29.6

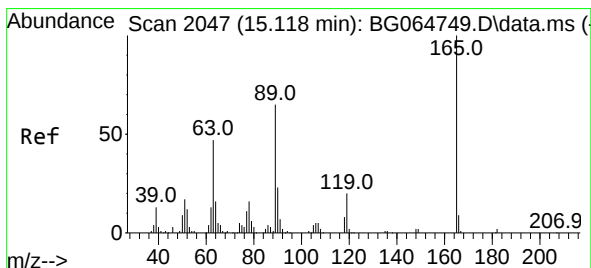
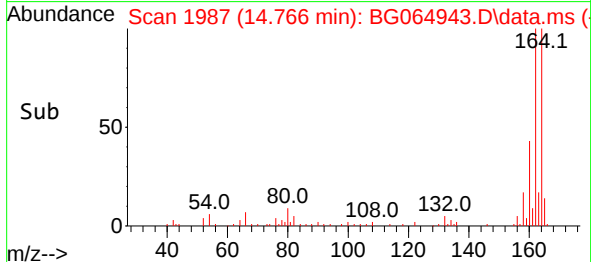
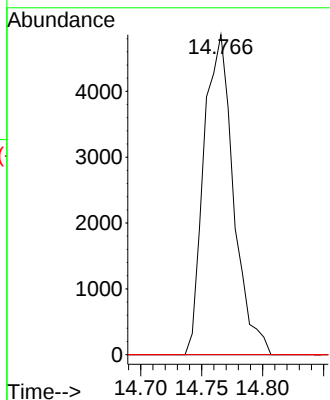
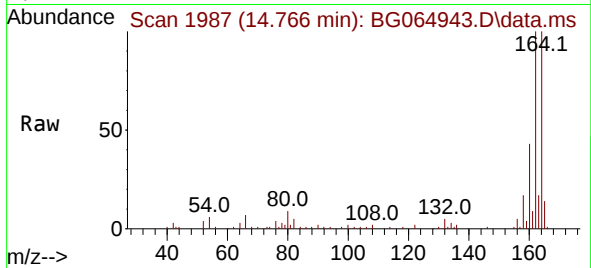




#51
2,6-Dinitrotoluene
Concen: 8.833 ng
RT: 14.766 min Scan# 1914
Delta R.T. 0.429 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

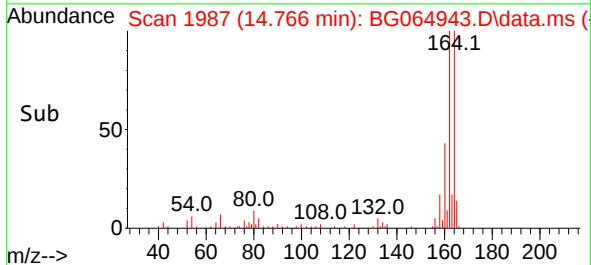
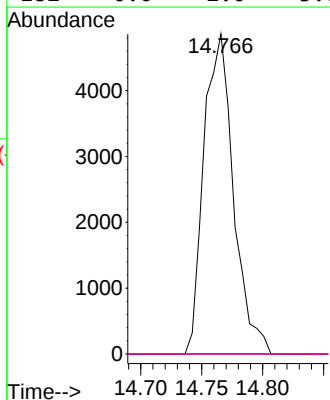
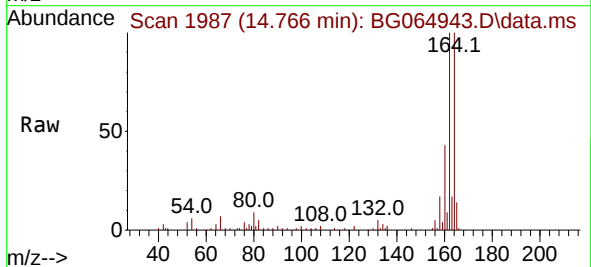
Instrument :
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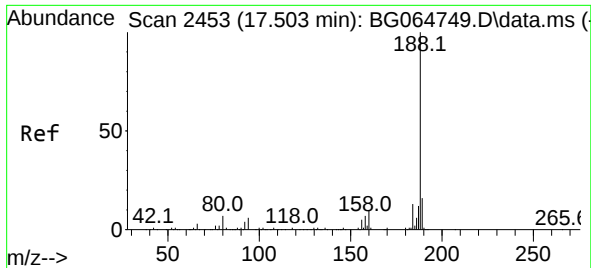
Tgt Ion:165 Resp: 8221
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.892 ng
RT: 14.766 min Scan# 1987
Delta R.T. -0.352 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion:165 Resp: 8221
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#

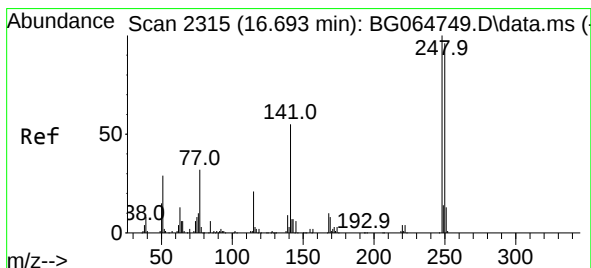
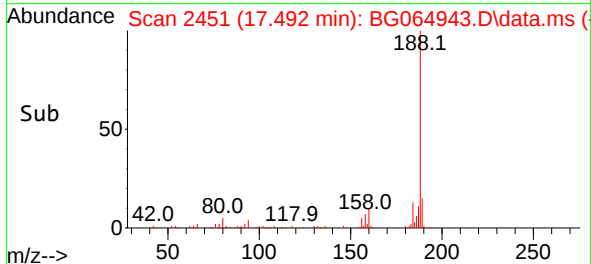
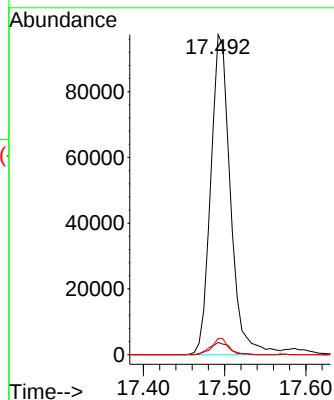
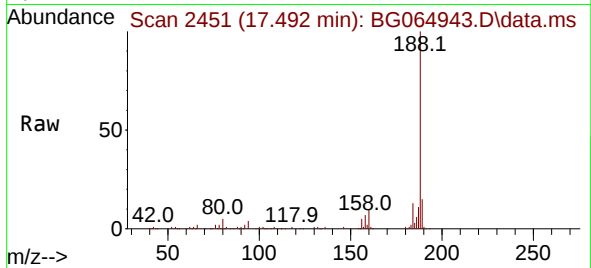




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2453
Delta R.T. -0.011 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

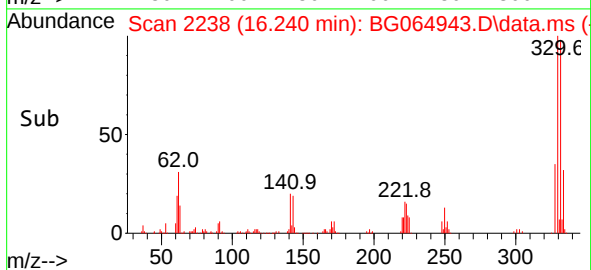
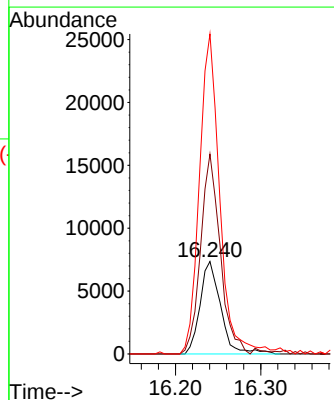
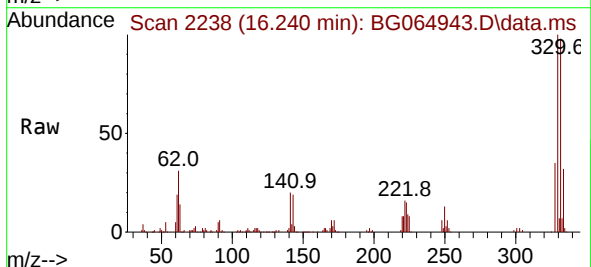
Instrument :
BNA_G
ClientSampleId :
TP-12

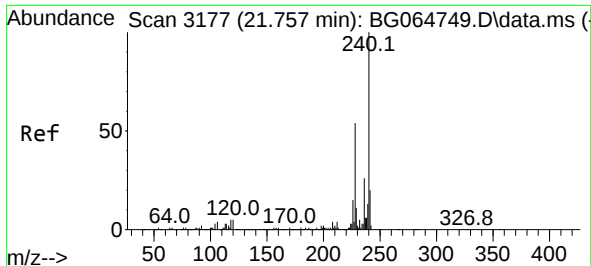
Tgt Ion:188 Resp: 164068
Ion Ratio Lower Upper
188 100
94 3.8 4.7 7.1#
80 5.1 5.4 8.2#



#67
4-Bromophenyl-phenylether
Concen: 5.742 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.452 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion:248 Resp: 12371
Ion Ratio Lower Upper
248 100
250 216.0 77.0 115.6#
141 345.9 43.7 65.5#

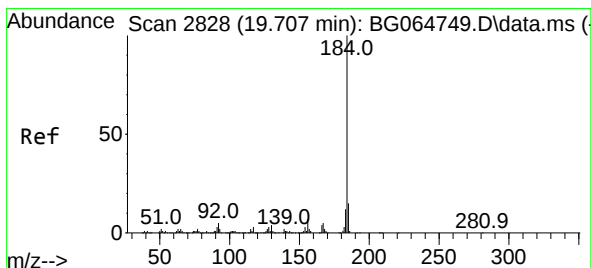
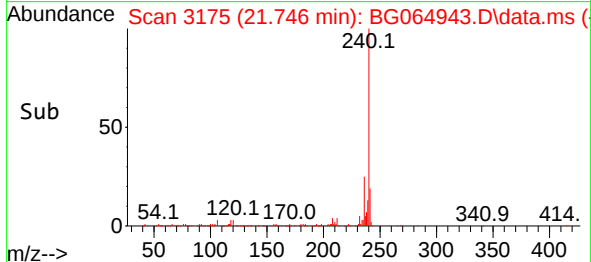
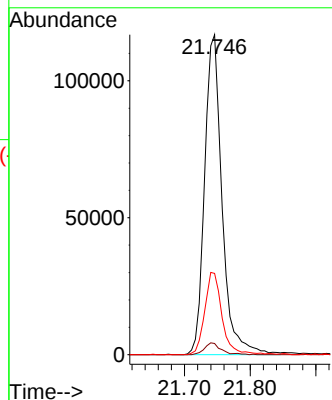
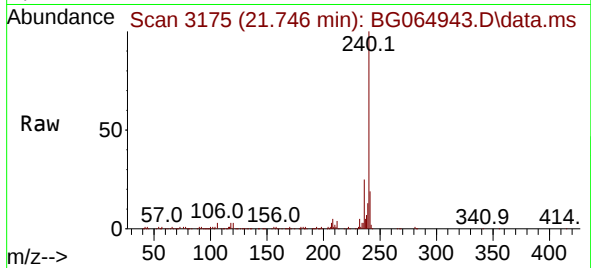




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.746 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

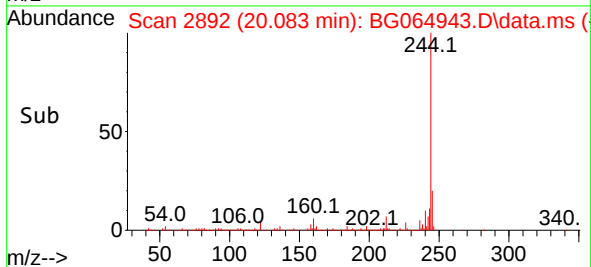
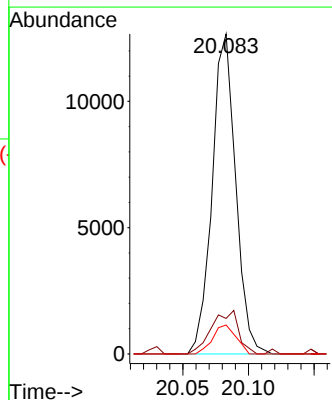
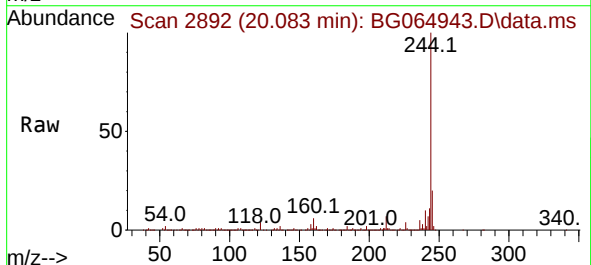
Instrument :
BNA_G
ClientSampleId :
TP-12

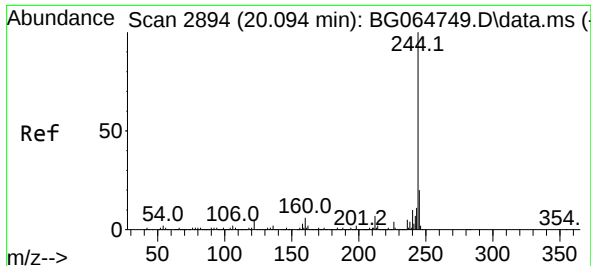
Tgt Ion:240 Resp: 216659
Ion Ratio Lower Upper
240 100
120 3.5 4.2 6.4#
236 25.4 20.8 31.2



#77
Benzidine
Concen: 2.443 ng
RT: 20.083 min Scan# 2892
Delta R.T. 0.376 min
Lab File: BG064943.D
Acq: 11 Dec 2025 20:59

Tgt Ion:184 Resp: 15850
Ion Ratio Lower Upper
184 100
185 11.1 11.8 17.6#
183 9.1 9.8 14.6#

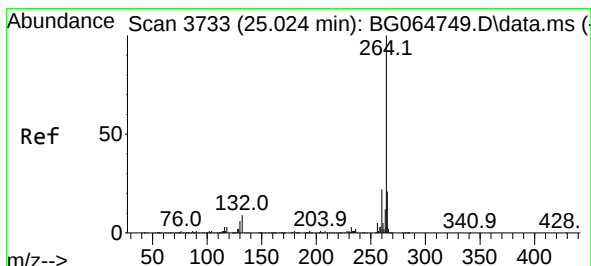
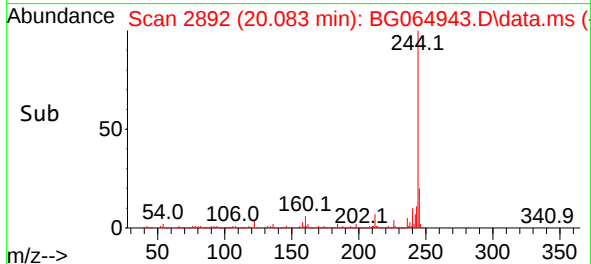
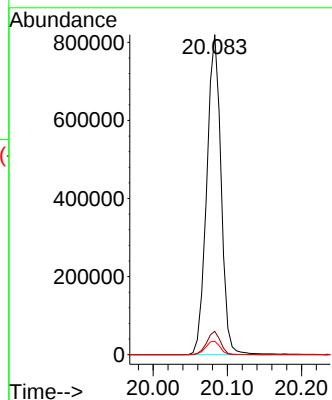
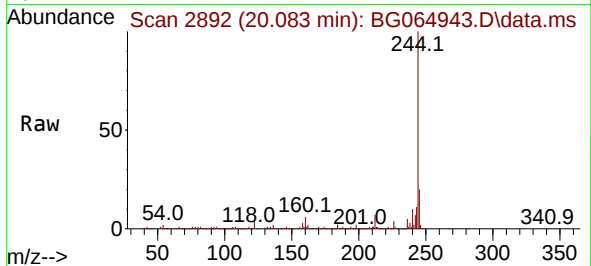




#79
 Terphenyl-d14
 Concen: 99.673 ng
 RT: 20.083 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Tgt Ion:244 Resp: 1097816
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 4.2 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.001 min Scan# 3729
 Delta R.T. -0.023 min
 Lab File: BG064943.D
 Acq: 11 Dec 2025 20:59

Tgt Ion:264 Resp: 216665
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.2 25.8
 265 20.6 16.6 25.0

