

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
 Data File : BG064794.D
 Acq On : 17 Nov 2025 21:28
 Operator : RC/JU
 Sample : Q3649-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 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)

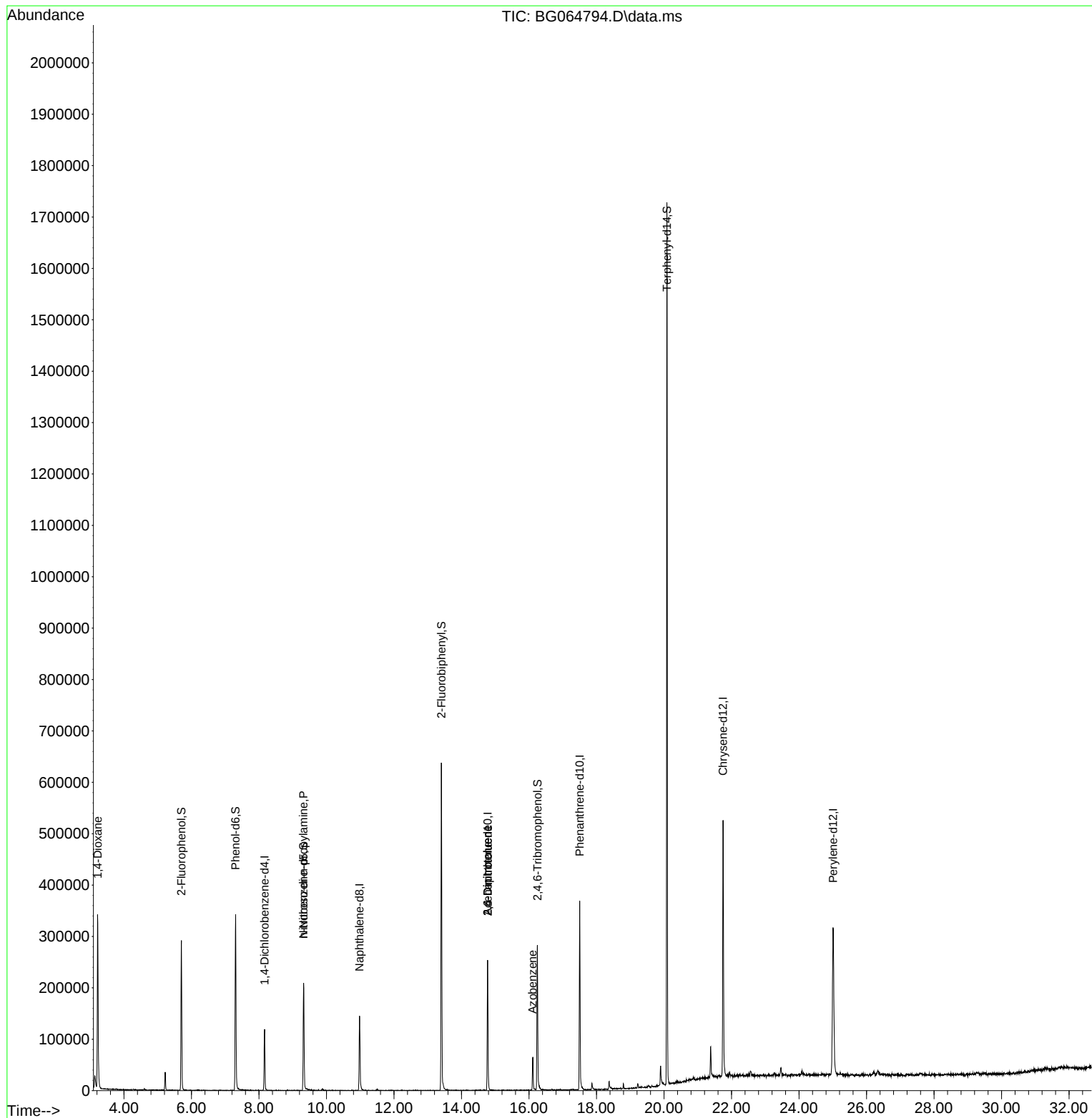
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	35573	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	134204	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	105983	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	261717	20.000	ng	0.00
76) Chrysene-d12	21.749	240	348460	20.000	ng	0.00
86) Perylene-d12	25.009	264	360076	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	126212	61.955	ng	0.00
7) Phenol-d6	7.307	99	198726	73.344	ng	0.00
23) Nitrobenzene-d5	9.322	82	128818	47.459	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	76928	37.217	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	383889	50.542	ng	0.00
79) Terphenyl-d14	20.086	244	951230	53.698	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	3516	4.458	ng	# 1
19) n-Nitroso-di-n-propyla...	9.322	70	17531	9.569	ng	# 65
51) 2,6-Dinitrotoluene	14.774	165	13611	8.449	ng	# 21
57) 2,4-Dinitrotoluene	14.774	165	13611	5.636	ng	# 24
63) Azobenzene	16.108	77	21839	3.274	ng	# 1

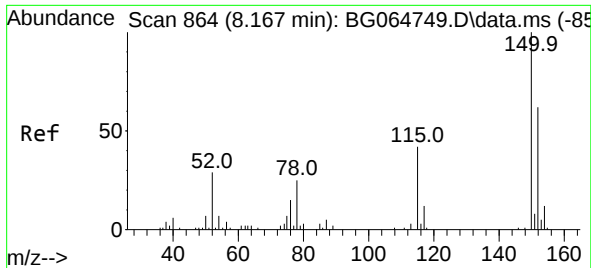
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

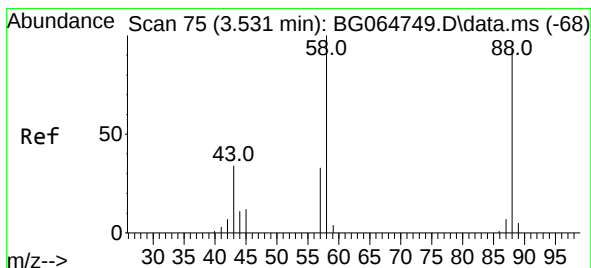
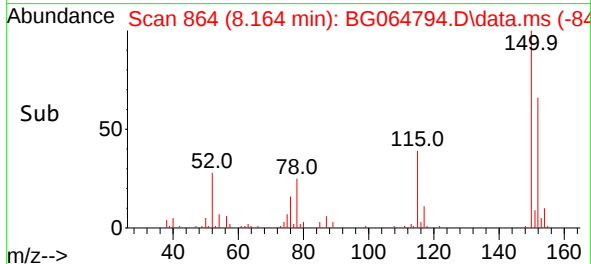
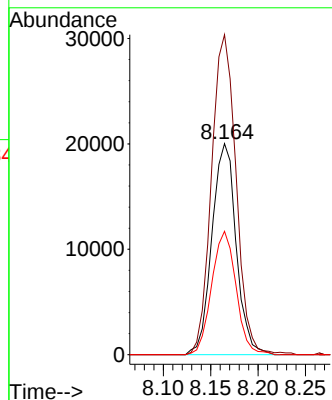
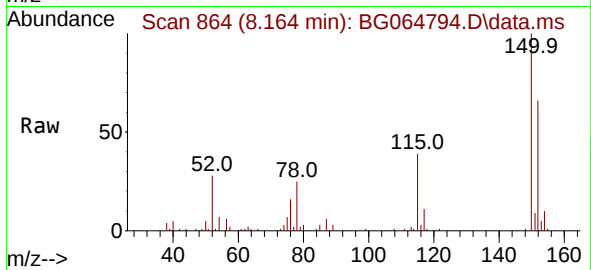




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

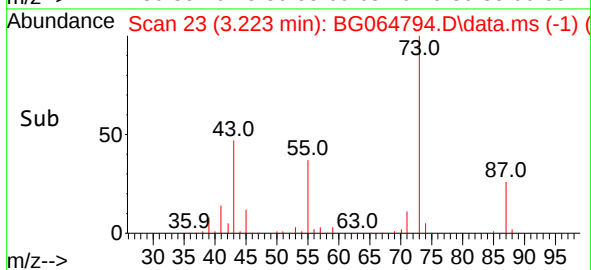
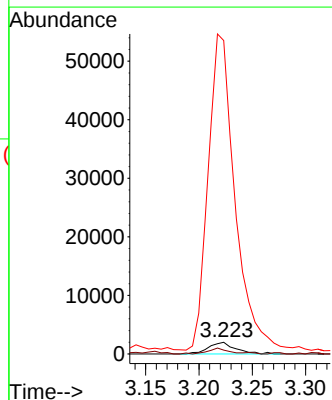
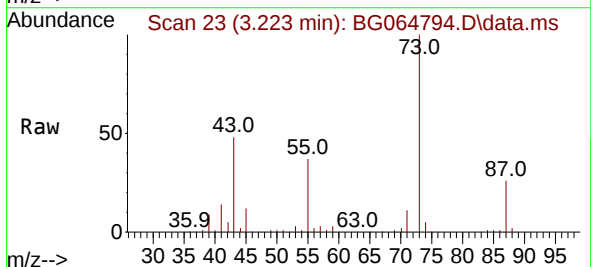
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

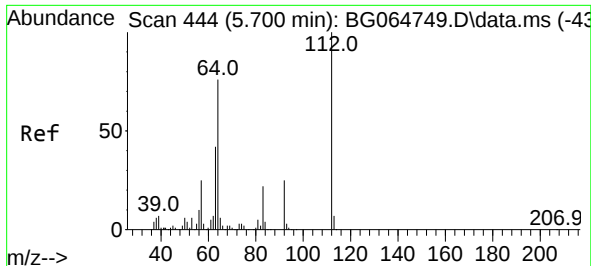
Tgt Ion:152 Resp: 35573
Ion Ratio Lower Upper
152 100
150 151.6 129.2 193.8
115 58.5 53.7 80.5



#2
1,4-Dioxane
Concen: 4.458 ng
RT: 3.223 min Scan# 23
Delta R.T. -0.308 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion: 88 Resp: 3516
Ion Ratio Lower Upper
88 100
58 42.4 84.6 126.8#
43 2750.2 30.0 45.0#

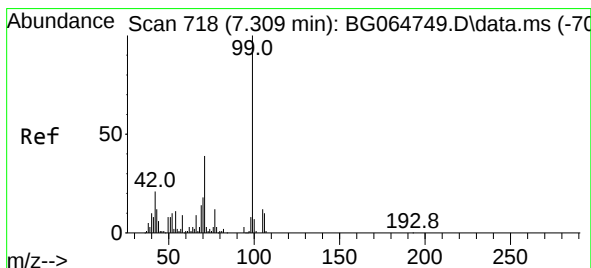
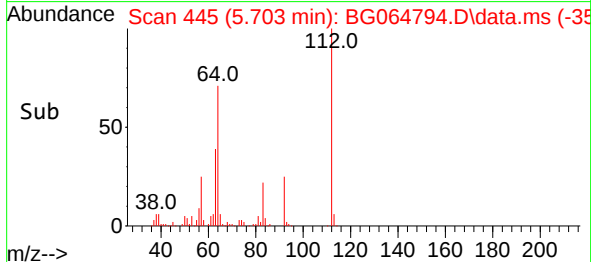
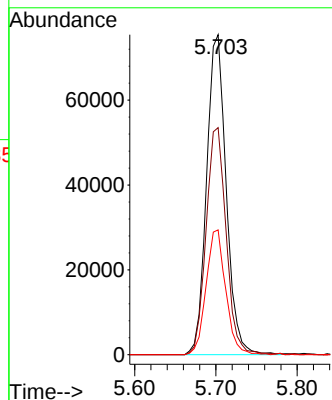
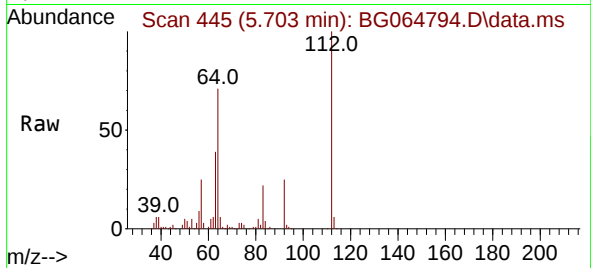




#5
2-Fluorophenol
Concen: 61.955 ng
RT: 5.703 min Scan# 444
Delta R.T. 0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

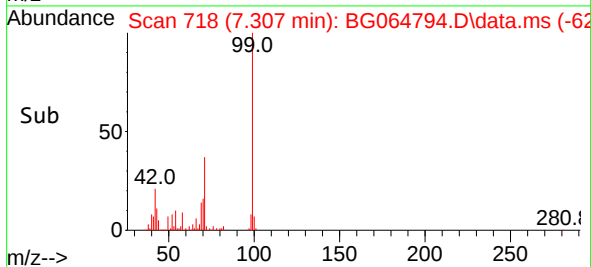
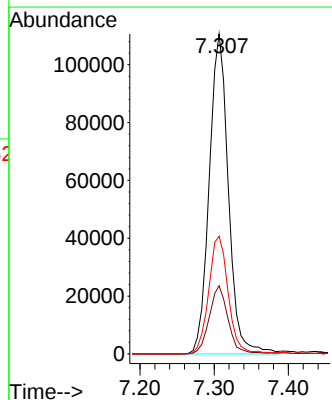
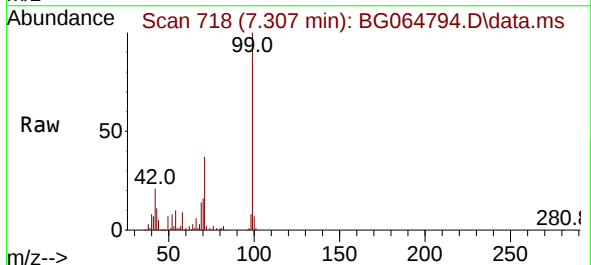
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

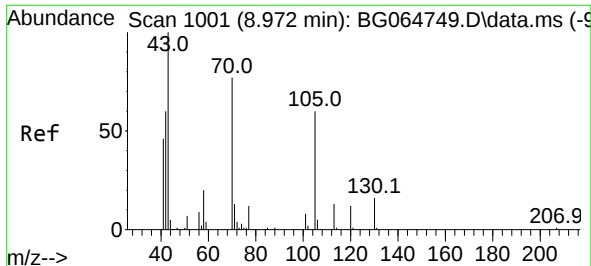
Tgt Ion:112 Resp: 126212
Ion Ratio Lower Upper
112 100
64 71.0 61.0 91.4
63 39.0 33.3 49.9



#7
Phenol-d6
Concen: 73.344 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion: 99 Resp: 198726
Ion Ratio Lower Upper
99 100
42 21.3 16.8 25.2
71 36.8 31.1 46.7

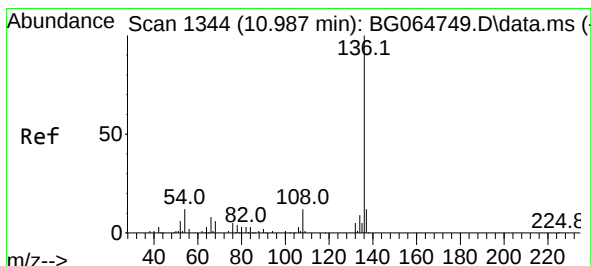
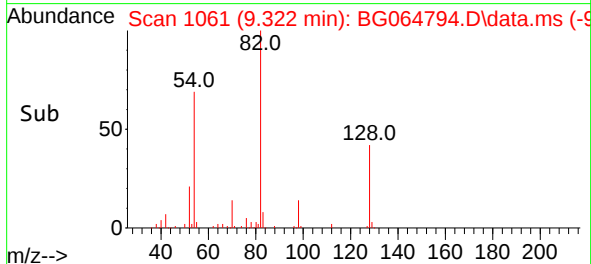
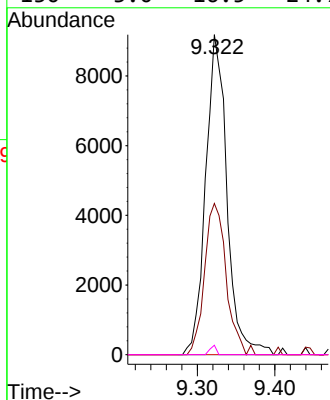
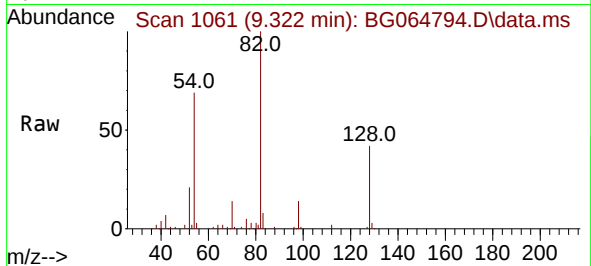




#19
n-Nitroso-di-n-propylamine
Concen: 9.569 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.350 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

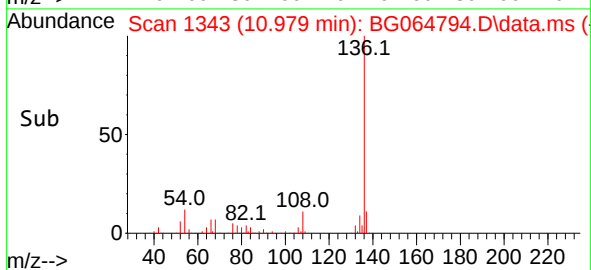
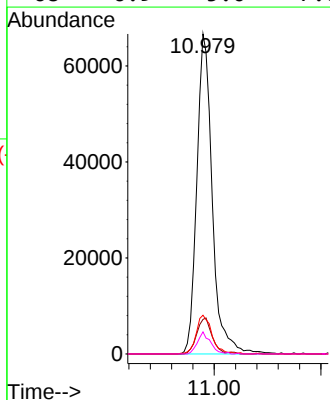
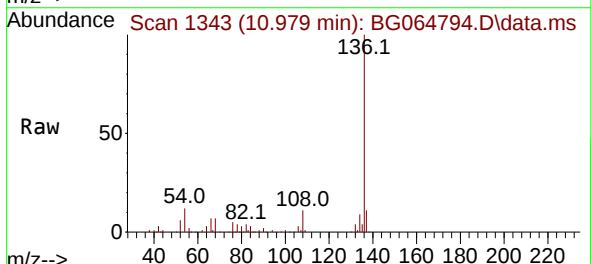
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

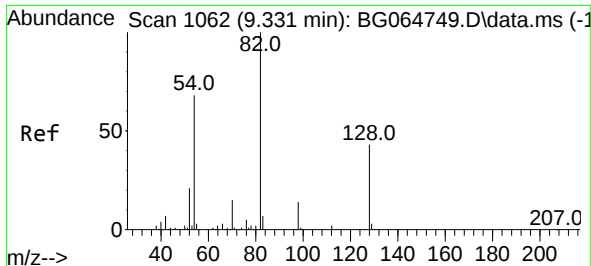
Tgt Ion:	70	Resp:	17531
Ion	Ratio	Lower	Upper
70	100		
42	47.2	62.6	93.8#
101	0.0	8.0	12.0#
130	3.0	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:	136	Resp:	134204
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.1	9.3	13.9
68	6.9	5.0	7.6

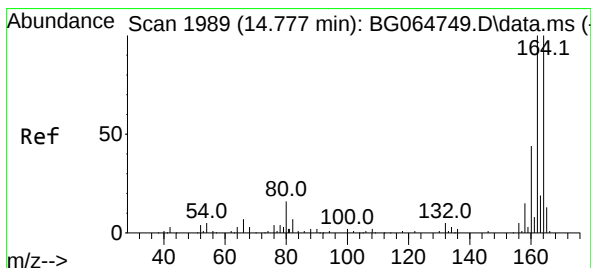
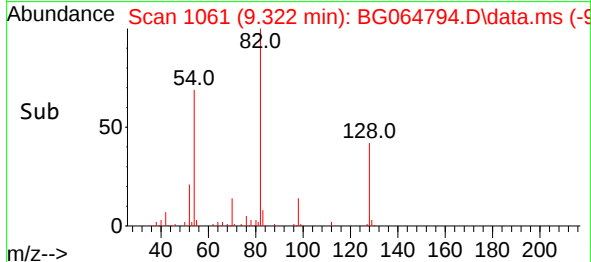
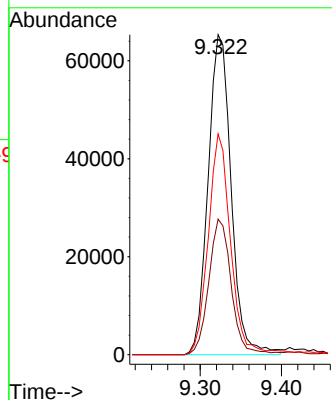
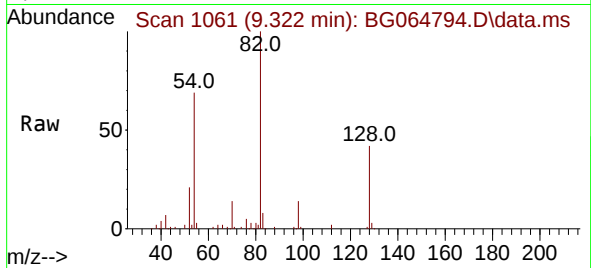




#23
Nitrobenzene-d5
Concen: 47.459 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

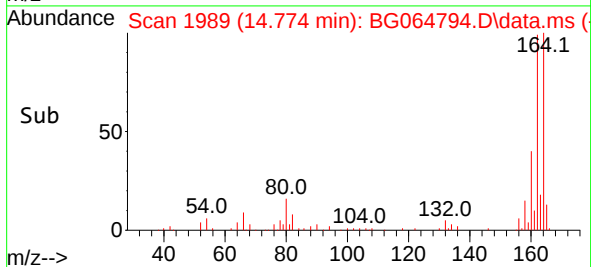
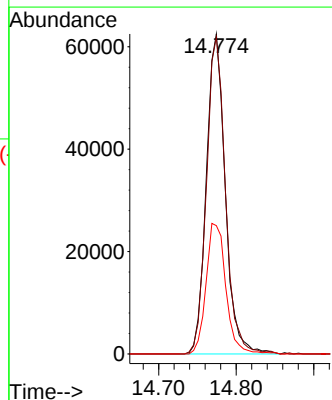
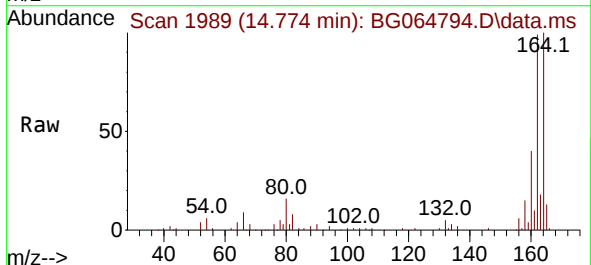
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

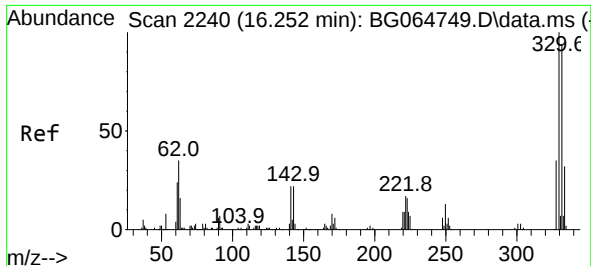
Tgt Ion: 82 Resp: 128818
Ion Ratio Lower Upper
82 100
128 42.3 34.1 51.1
54 69.0 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:164 Resp: 105983
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.6
160 40.1 34.9 52.3

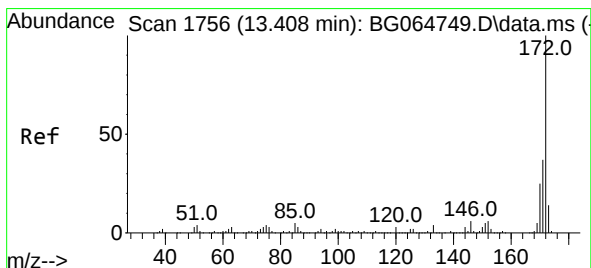
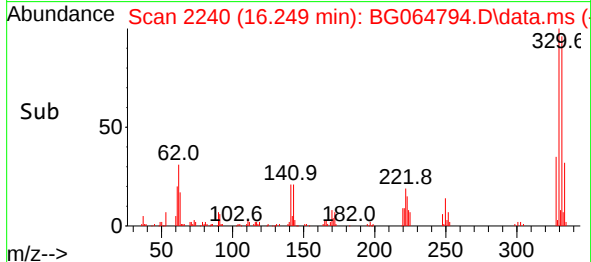
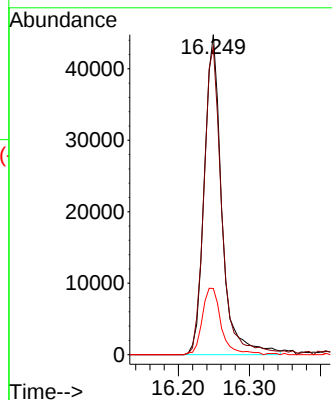
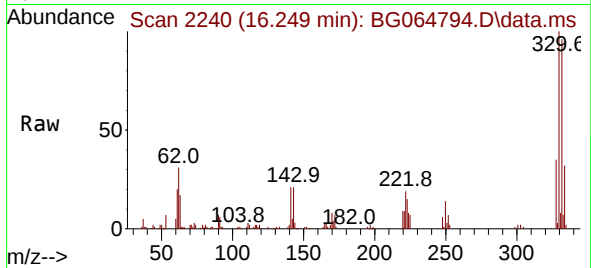




#42
 2,4,6-Tribromophenol
 Concen: 37.217 ng
 RT: 16.249 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG064794.D
 Acq: 17 Nov 2025 21:28

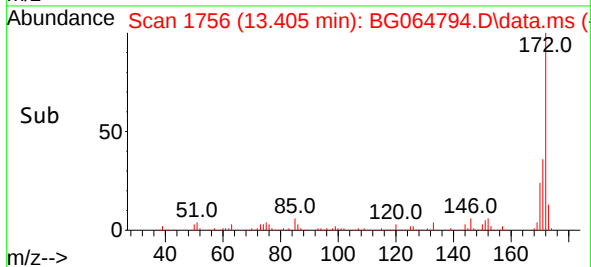
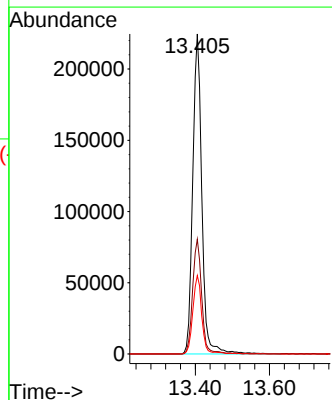
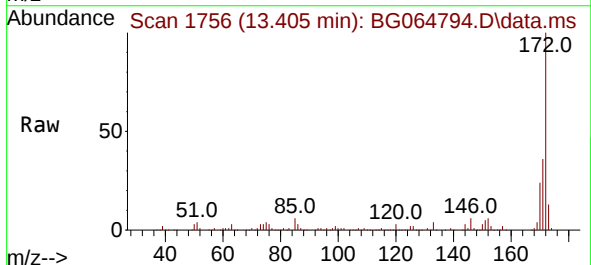
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 B5-0.0-0.5-20251114

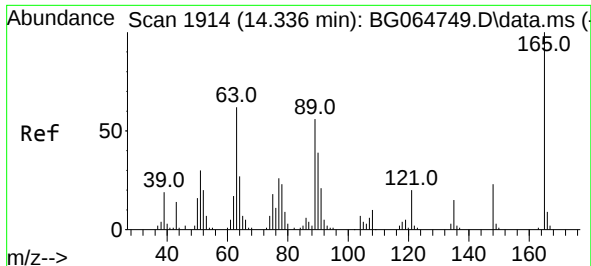
Tgt Ion:330 Resp: 76928
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 22.5 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 50.542 ng
 RT: 13.405 min Scan# 1756
 Delta R.T. -0.003 min
 Lab File: BG064794.D
 Acq: 17 Nov 2025 21:28

Tgt Ion:172 Resp: 383889
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.9 44.9
 170 24.5 19.8 29.6

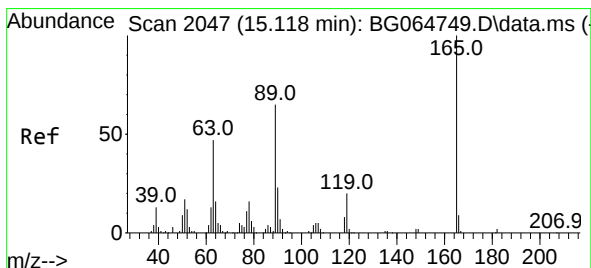
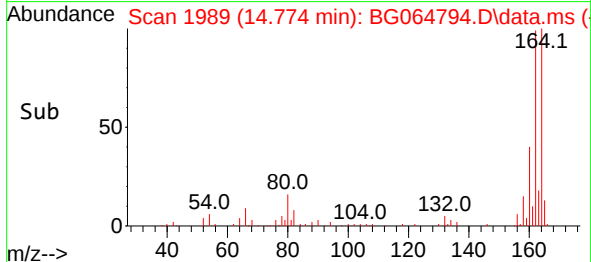
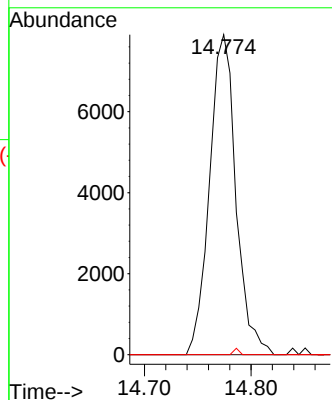
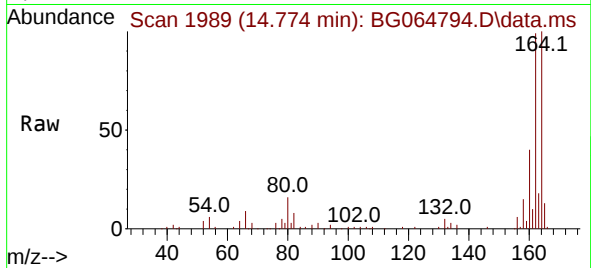




#51
2,6-Dinitrotoluene
Concen: 8.449 ng
RT: 14.774 min Scan# 1914
Delta R.T. 0.438 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

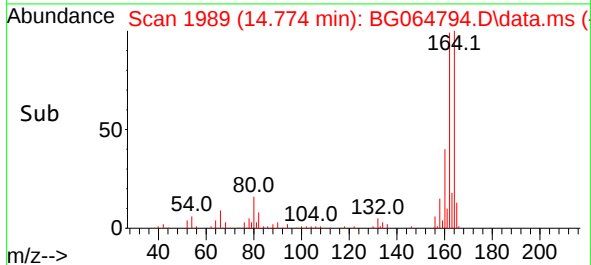
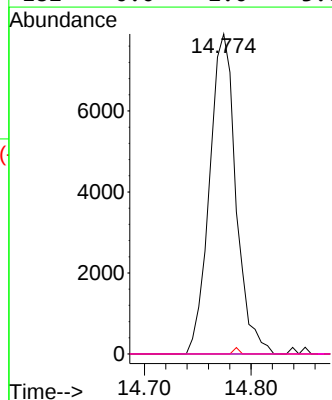
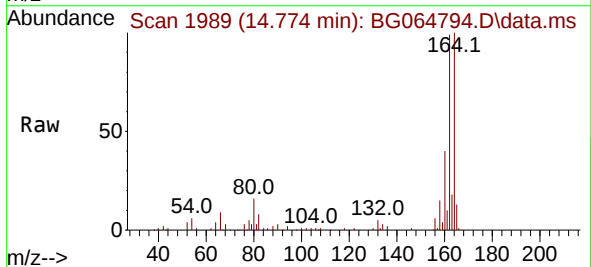
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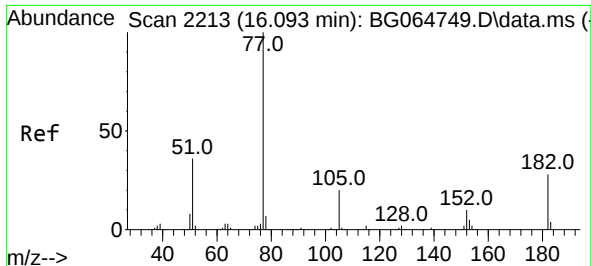
Tgt Ion:165 Resp: 13611
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.636 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.344 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:165 Resp: 13611
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#

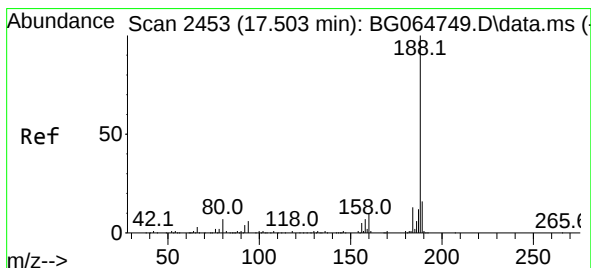
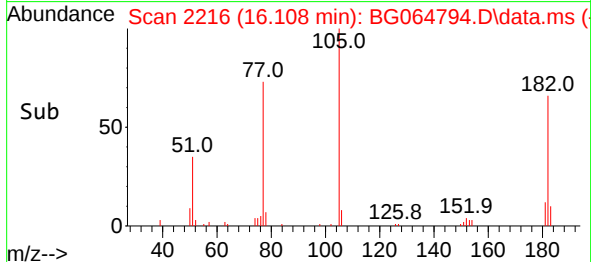
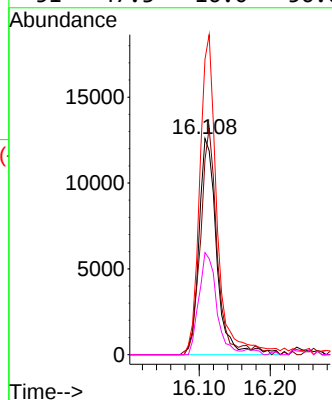
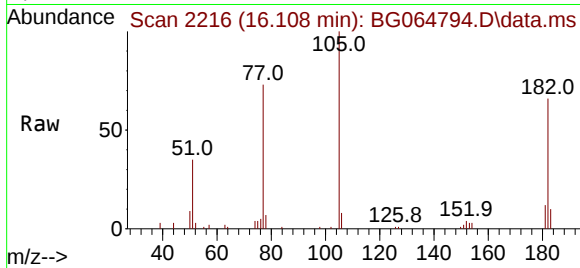




#63
Azobenzene
Concen: 3.274 ng
RT: 16.108 min Scan# 21839
Delta R.T. 0.015 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

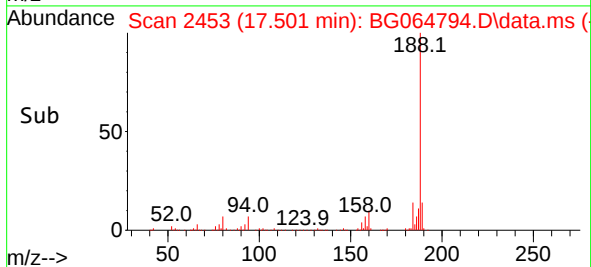
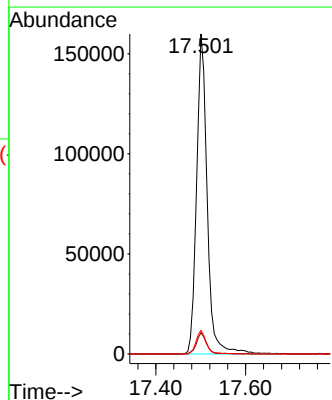
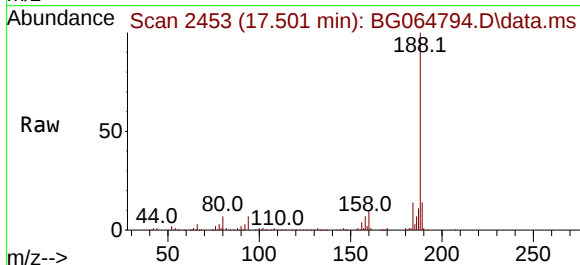
Instrument :
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B5-0.0-0.5-20251114

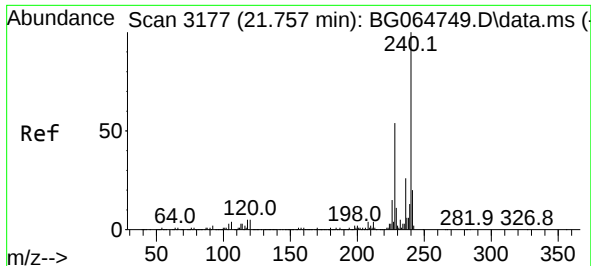
Tgt Ion: 77 Resp: 21839
Ion Ratio Lower Upper
77 100
182 90.2 8.1 48.1#
105 136.7 0.1 40.1#
51 47.3 16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:188 Resp: 261717
Ion Ratio Lower Upper
188 100
94 6.6 4.7 7.1
80 7.4 5.4 8.2

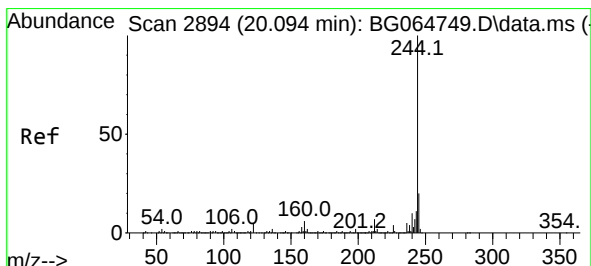
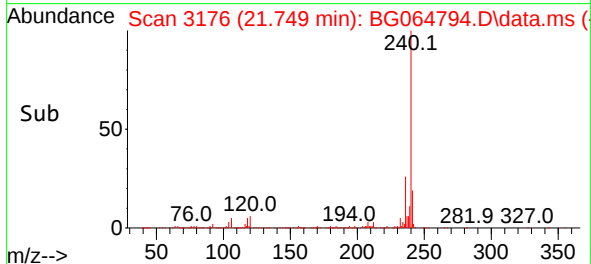
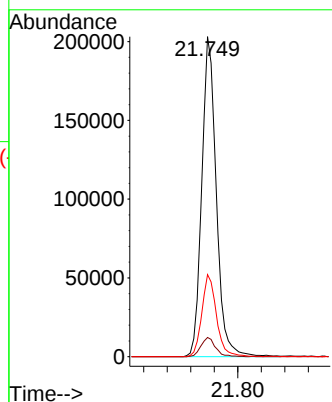
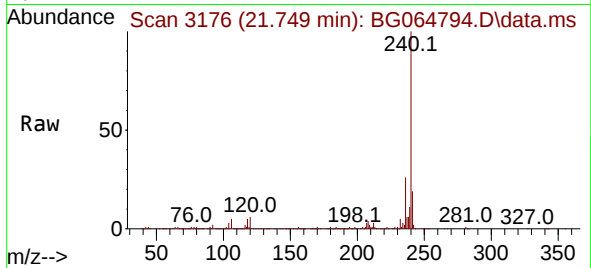




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

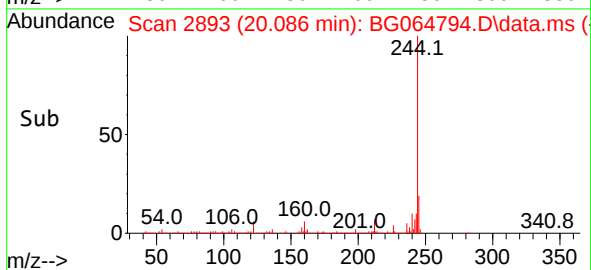
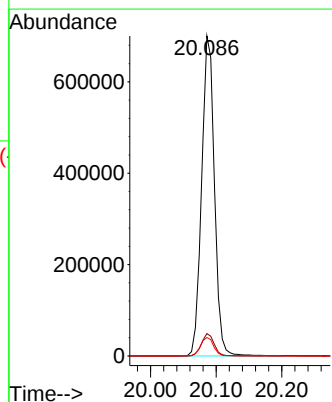
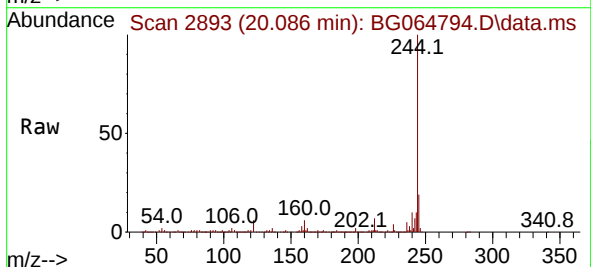
Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

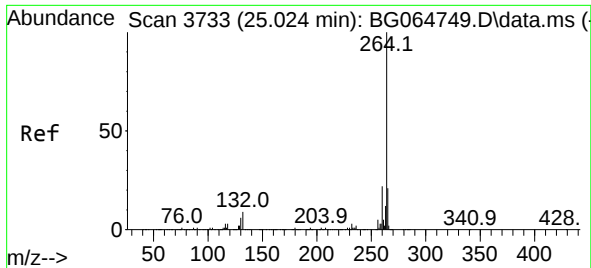
Tgt Ion:240 Resp: 348460
Ion Ratio Lower Upper
240 100
120 6.0 4.2 6.4
236 25.6 20.8 31.2



#79
Terphenyl-d14
Concen: 53.698 ng
RT: 20.086 min Scan# 2893
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

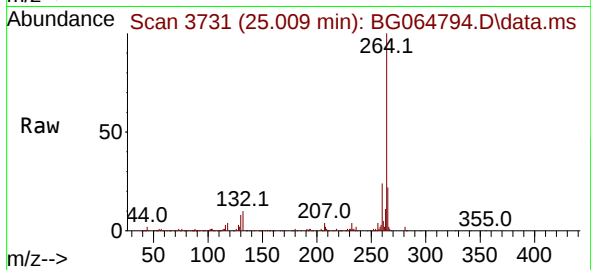
Tgt Ion:244 Resp: 951230
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 5.8 4.3 6.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114



Tgt Ion:	264	Resp:	360076
Ion Ratio	Lower	Upper	
264	100		
260	23.7	17.2	25.8
265	21.7	16.6	25.0

