

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
 Data File : BG064792.D
 Acq On : 17 Nov 2025 20:07
 Operator : RC/JU
 Sample : Q3649-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 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)

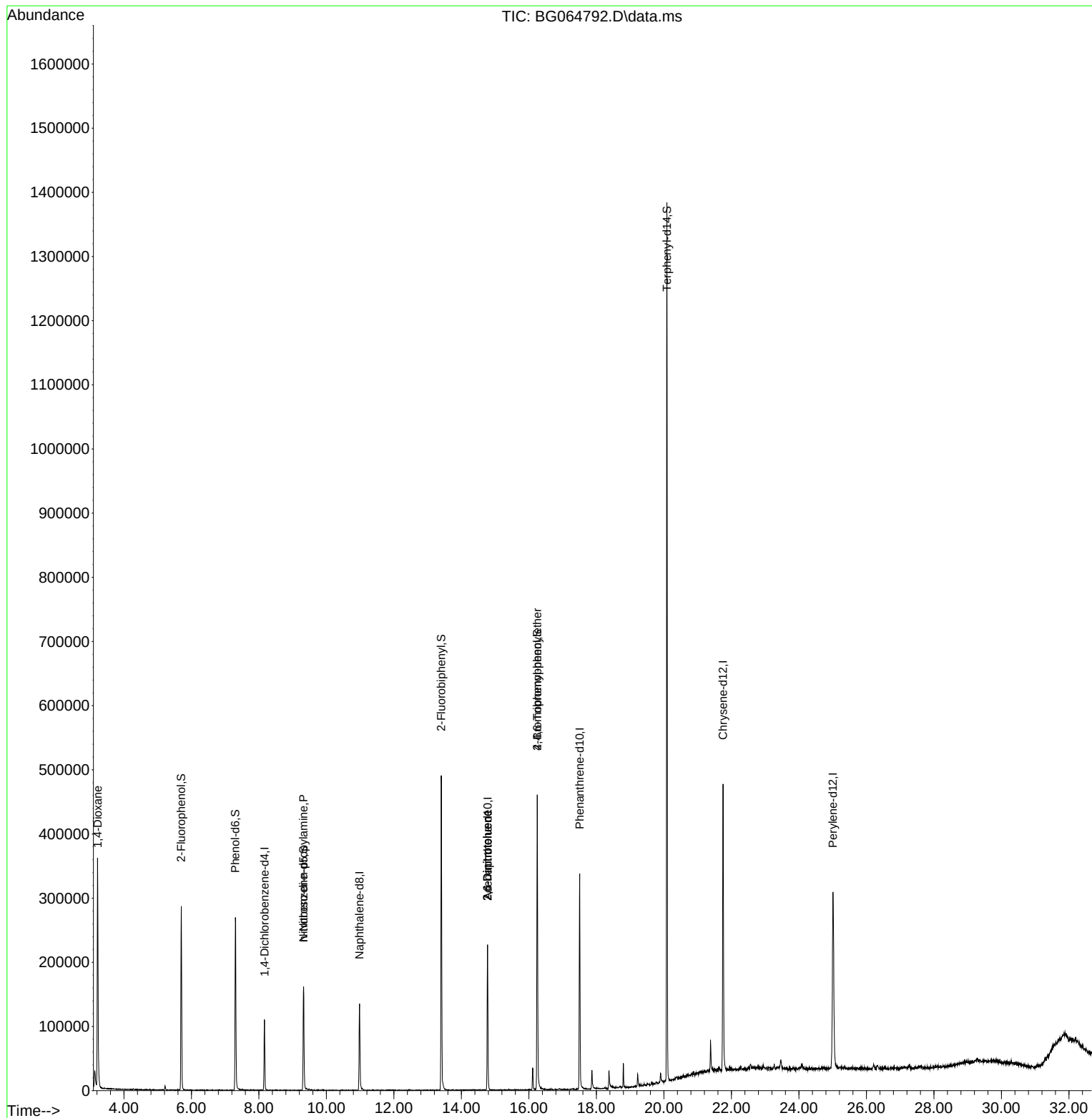
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	33180	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	121269	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	93445	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	234373	20.000	ng	0.00
76) Chrysene-d12	21.751	240	327722	20.000	ng	0.00
86) Perylene-d12	25.006	264	336150	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	122605	64.525	ng	0.00
7) Phenol-d6	7.303	99	159416	63.079	ng	0.00
23) Nitrobenzene-d5	9.324	82	101547	41.402	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	120768	66.266	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	286692	42.809	ng	0.00
79) Terphenyl-d14	20.088	244	743942	44.654	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.226	88	3715	5.050	ng	# 1
19) n-Nitroso-di-n-propyla...	9.324	70	13518	7.911	ng	# 62
51) 2,6-Dinitrotoluene	14.771	165	12431	8.752	ng	# 21
57) 2,4-Dinitrotoluene	14.771	165	12431	5.838	ng	# 24
67) 4-Bromophenyl-phenylether	16.246	248	7305	2.373	ng	# 1

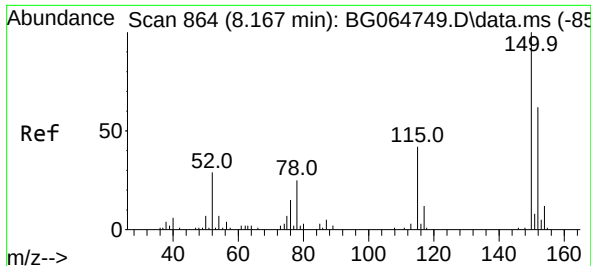
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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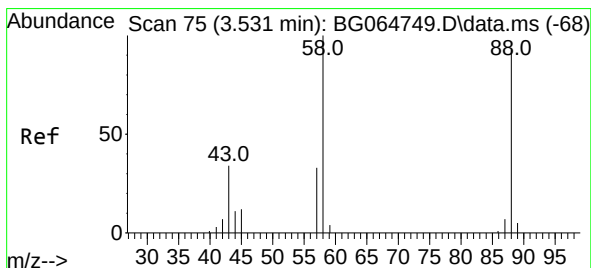
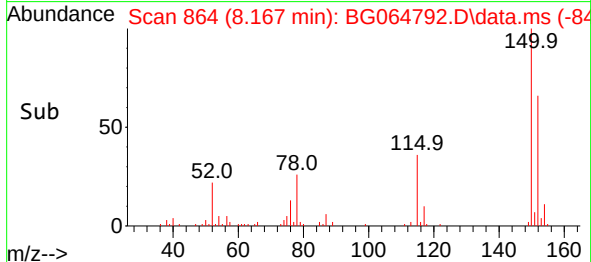
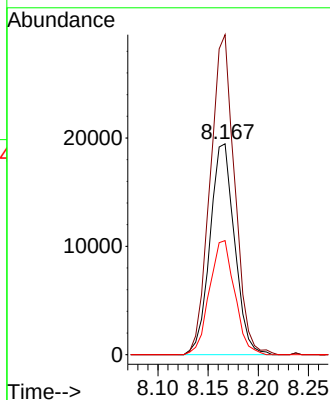
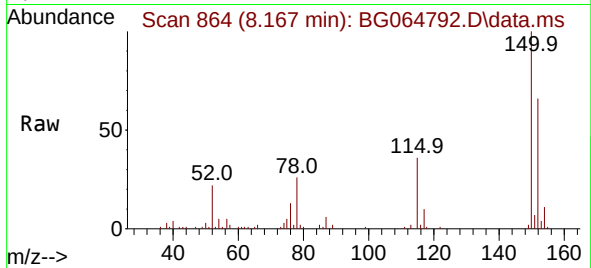




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.167 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BG064792.D
 Acq: 17 Nov 2025 20:07

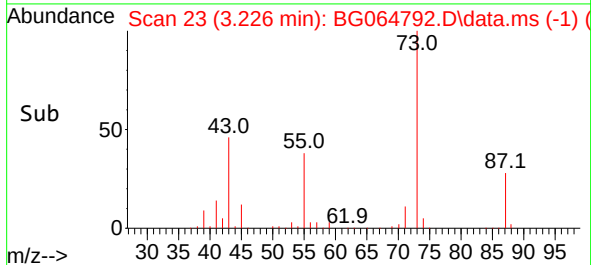
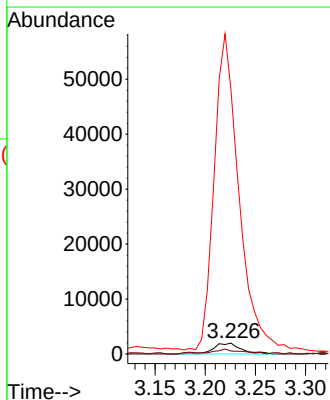
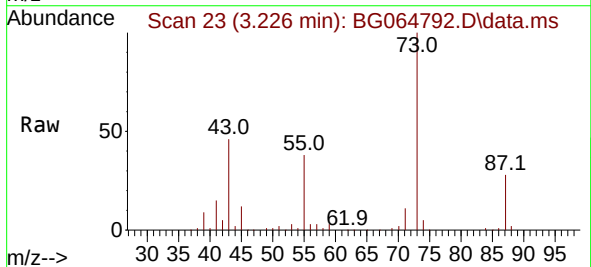
Instrument :
 BNA_G
 ClientSampleId :
 B4-0.0-0.5-20251114

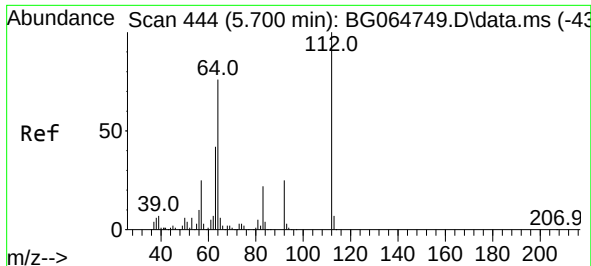
Tgt Ion:152 Resp: 33180
 Ion Ratio Lower Upper
 152 100
 150 151.7 129.2 193.8
 115 54.1 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.050 ng
 RT: 3.226 min Scan# 23
 Delta R.T. -0.306 min
 Lab File: BG064792.D
 Acq: 17 Nov 2025 20:07

Tgt Ion: 88 Resp: 3715
 Ion Ratio Lower Upper
 88 100
 58 42.4 84.6 126.8#
 43 2691.4 30.0 45.0#

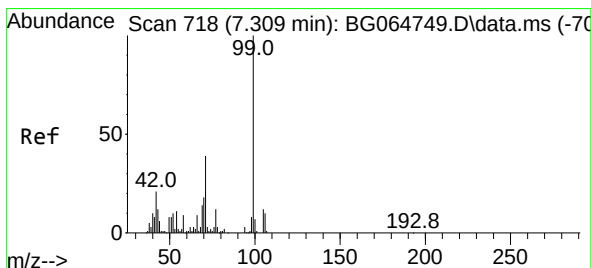
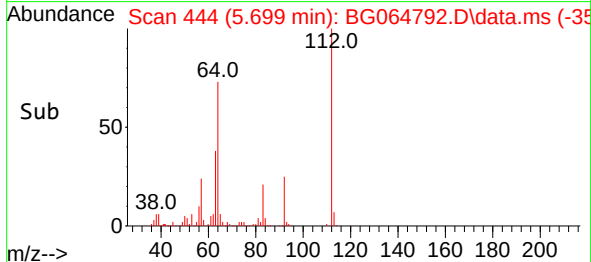
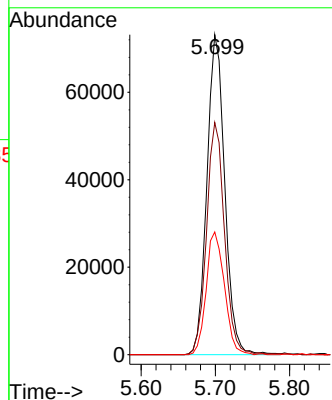
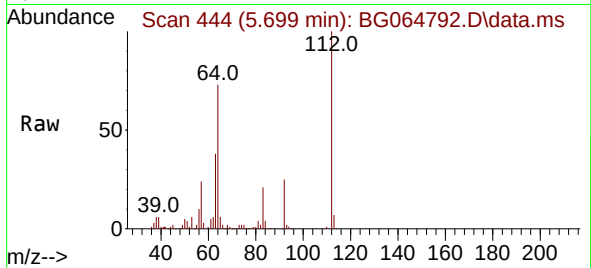




#5
2-Fluorophenol
Concen: 64.525 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

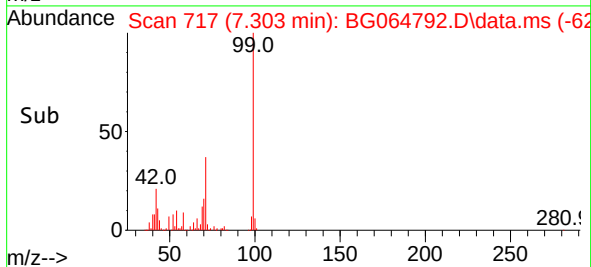
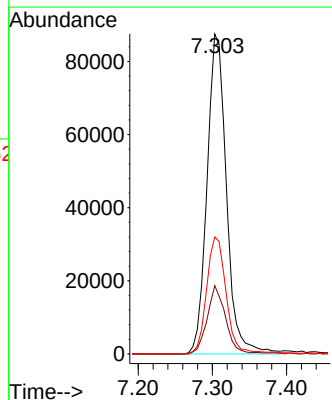
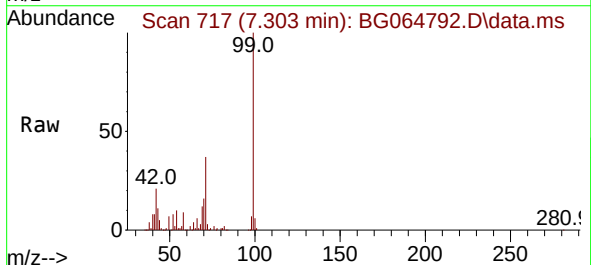
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

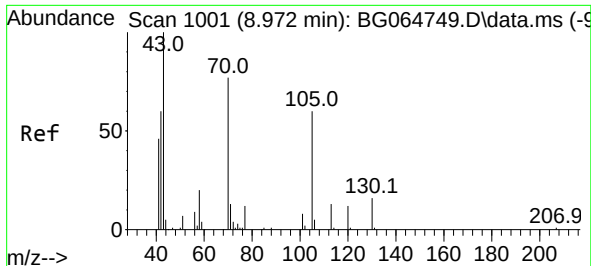
Tgt Ion:	112	Resp:	122605
Ion	Ratio	Lower	Upper
112	100		
64	72.5	61.0	91.4
63	38.3	33.3	49.9



#7
Phenol-d6
Concen: 63.079 ng
RT: 7.303 min Scan# 717
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:	99	Resp:	159416
Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	36.6	31.1	46.7

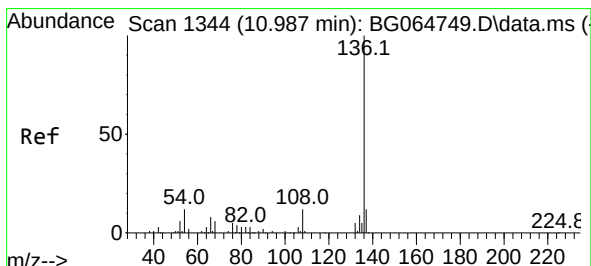
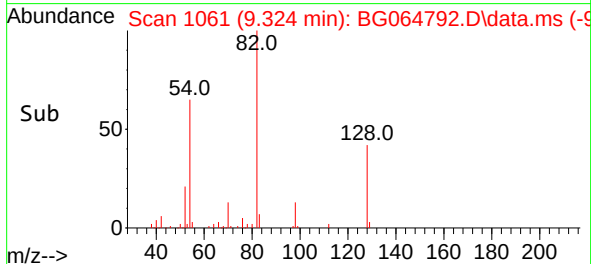
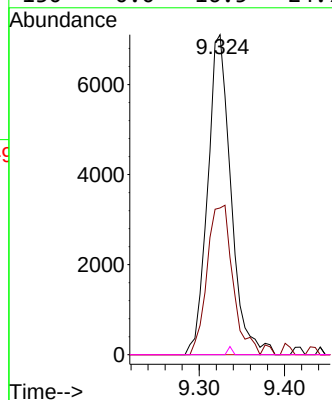
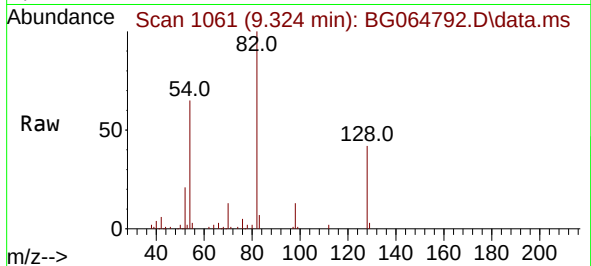




#19
n-Nitroso-di-n-propylamine
Concen: 7.911 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.352 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

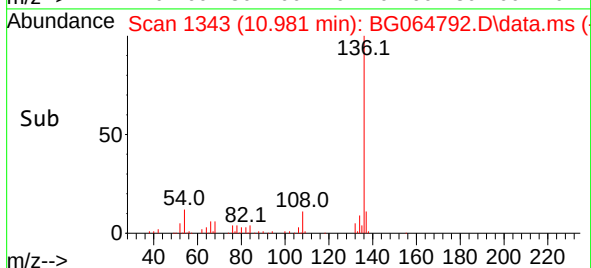
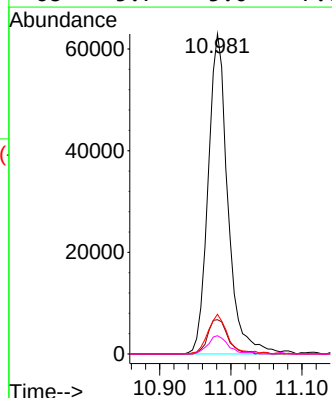
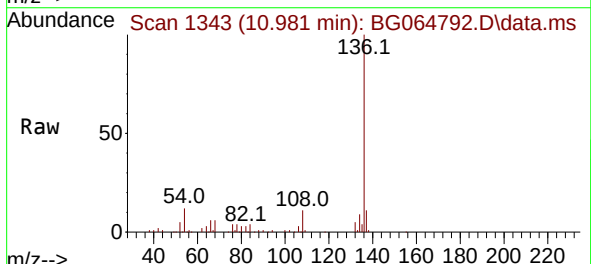
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

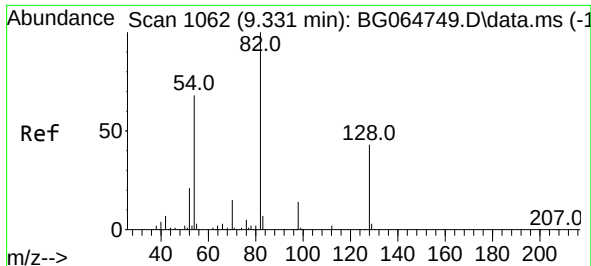
Tgt Ion: 70	Resp:	13518
Ion Ratio	Lower	Upper
70	100	
42	45.9	62.6 93.8#
101	0.0	8.0 12.0#
130	0.0	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion: 136	Resp:	121269
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.3 13.9
54	12.4	9.3 13.9
68	5.7	5.0 7.6

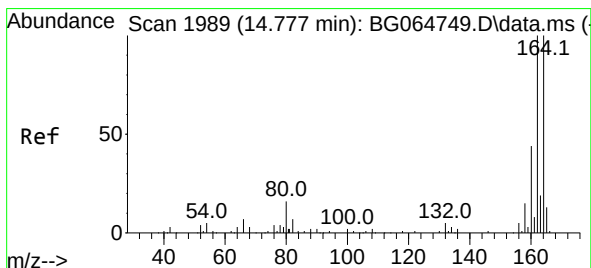
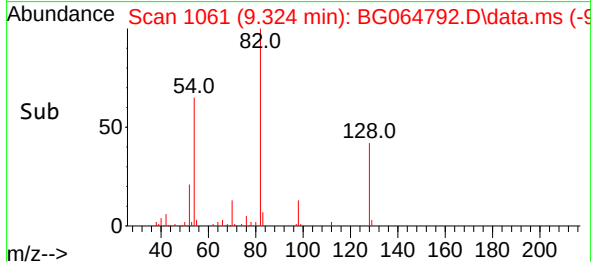
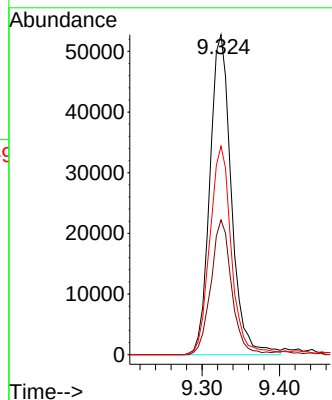
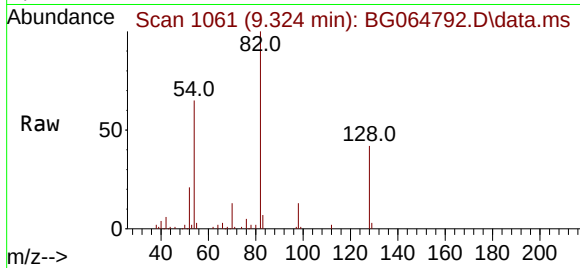




#23
Nitrobenzene-d5
Concen: 41.402 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

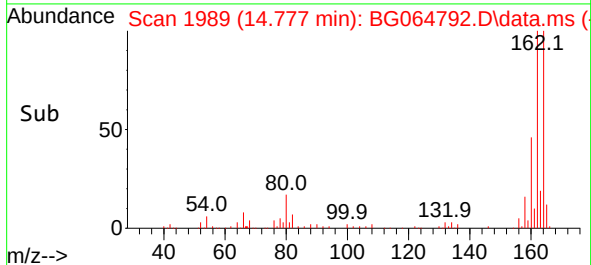
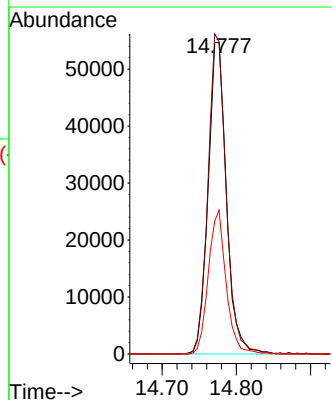
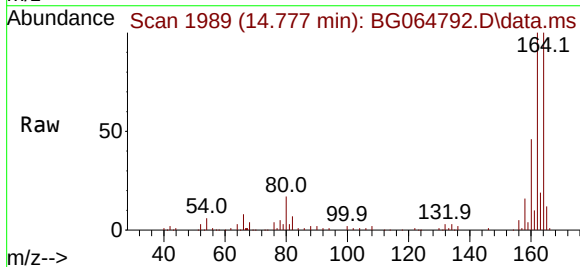
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

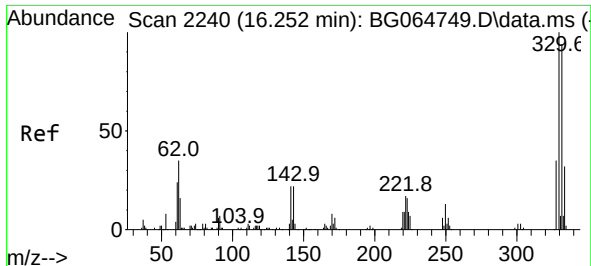
Tgt Ion: 82 Resp: 101547
Ion Ratio Lower Upper
82 100
128 42.1 34.1 51.1
54 65.2 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion: 164 Resp: 93445
Ion Ratio Lower Upper
164 100
162 100.3 79.8 119.6
160 46.1 34.9 52.3

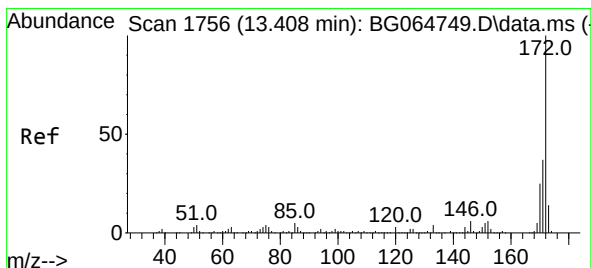
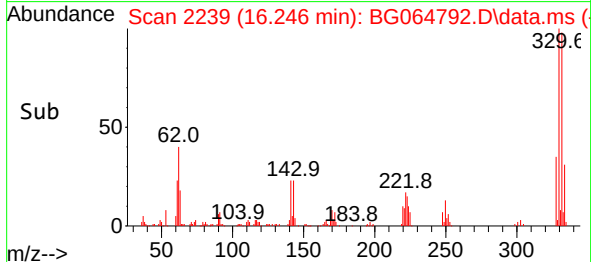
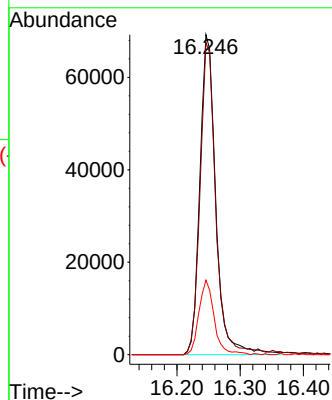
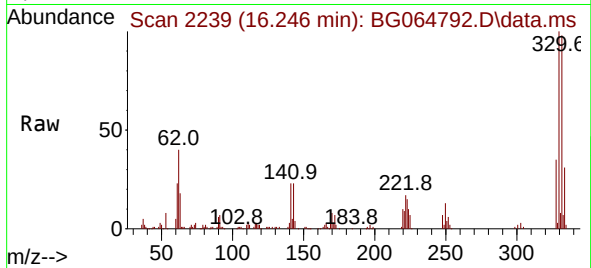




#42
2,4,6-Tribromophenol
Concen: 66.266 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

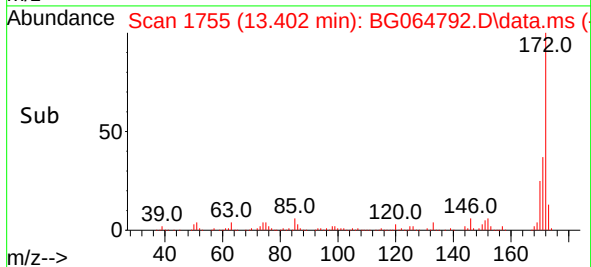
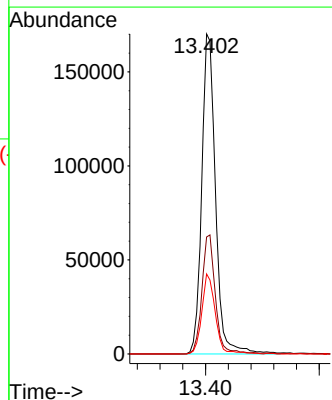
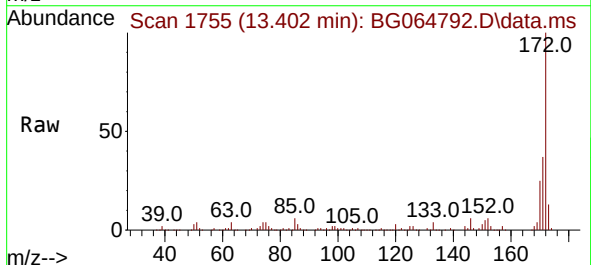
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

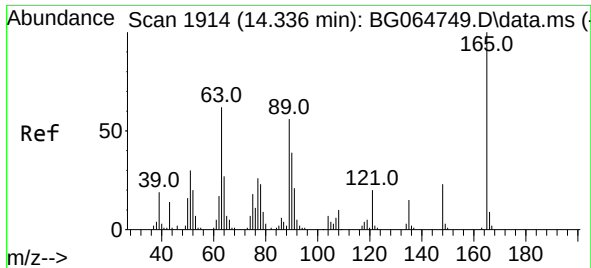
Tgt Ion:330 Resp: 120768
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 22.3 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 42.809 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:172 Resp: 286692
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 25.0 19.8 29.6

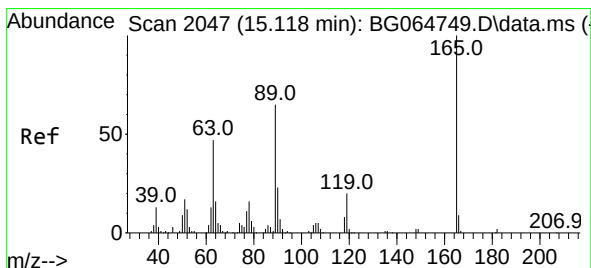
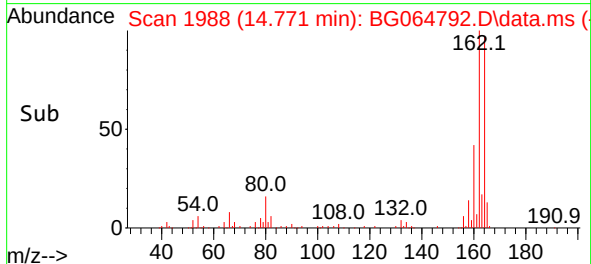
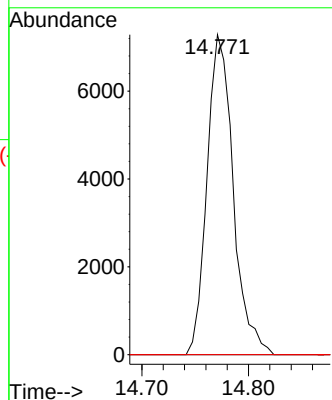
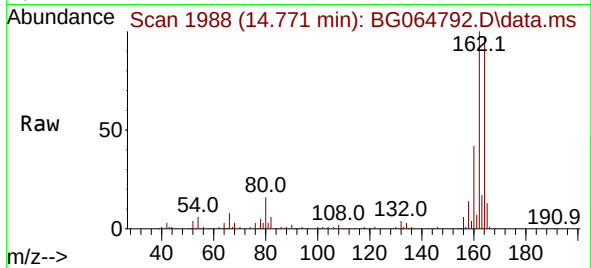




#51
2,6-Dinitrotoluene
Concen: 8.752 ng
RT: 14.771 min Scan# 1914
Delta R.T. 0.434 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

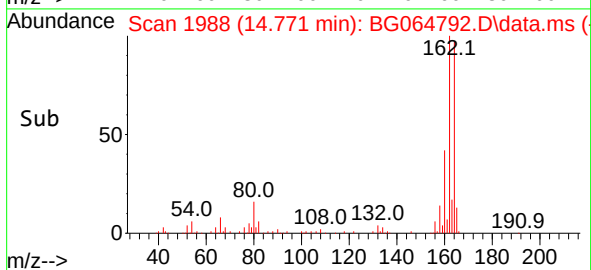
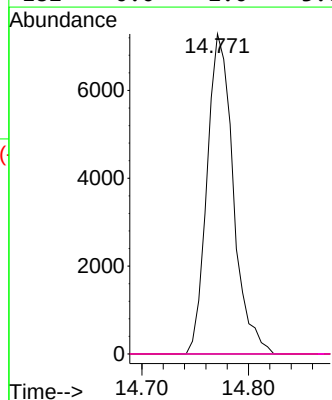
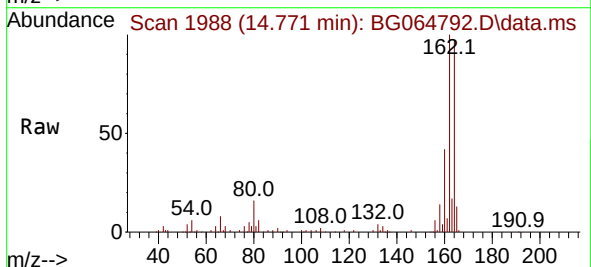
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B4-0.0-0.5-20251114

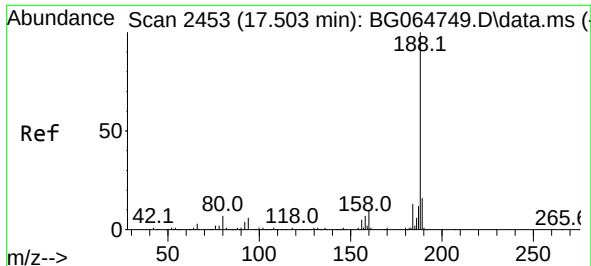
Tgt Ion:165 Resp: 12431
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.838 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:165 Resp: 12431
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#

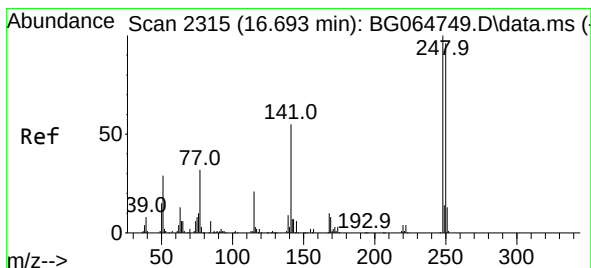
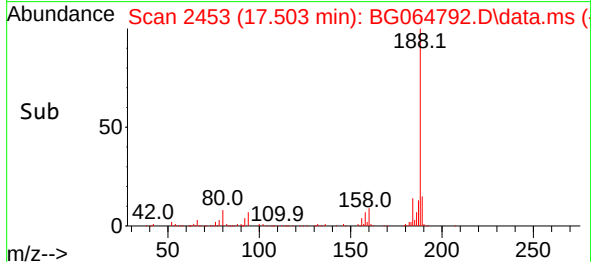
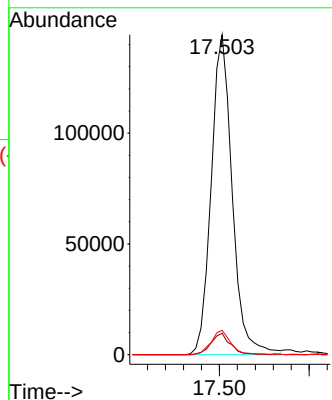
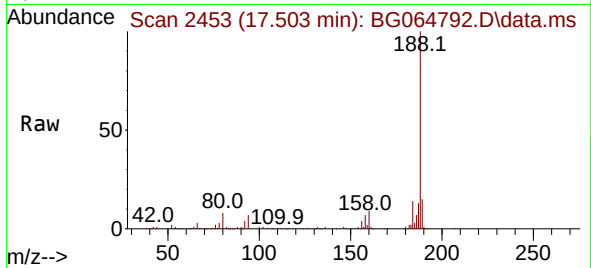




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 2453
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

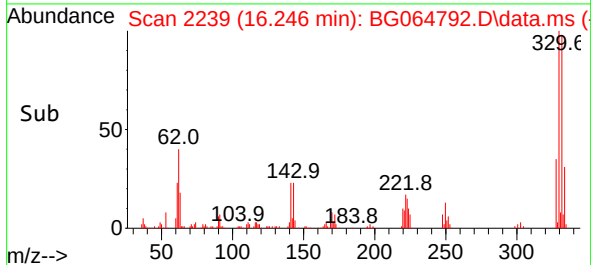
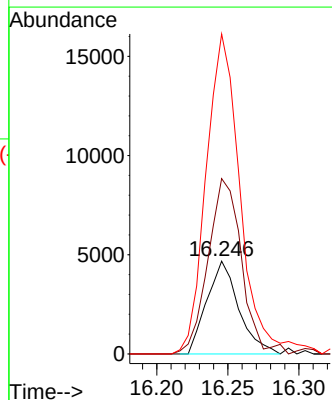
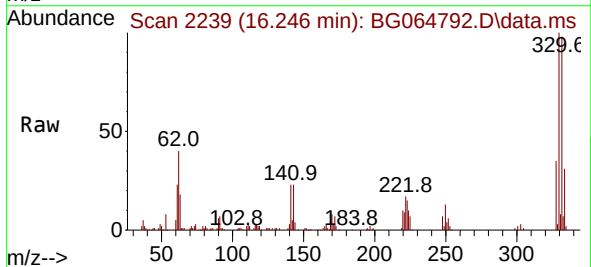
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

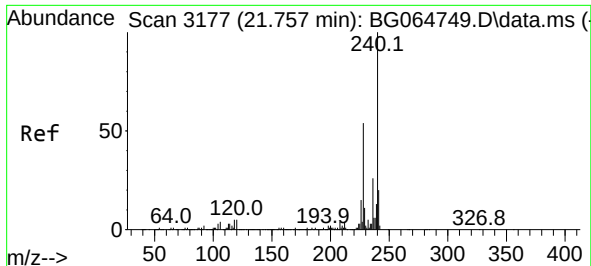
Tgt Ion:188 Resp: 234373
Ion Ratio Lower Upper
188 100
94 6.7 4.7 7.1
80 7.6 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 2.373 ng
RT: 16.246 min Scan# 2239
Delta R.T. -0.447 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:248 Resp: 7305
Ion Ratio Lower Upper
248 100
250 240.8 77.0 115.6#
141 344.9 43.7 65.5#

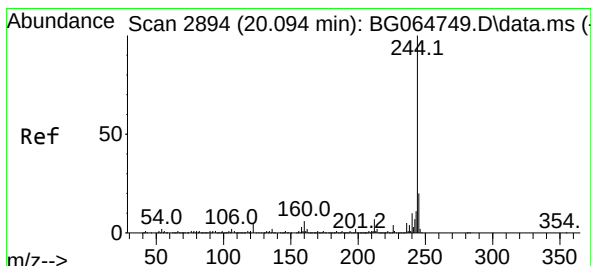
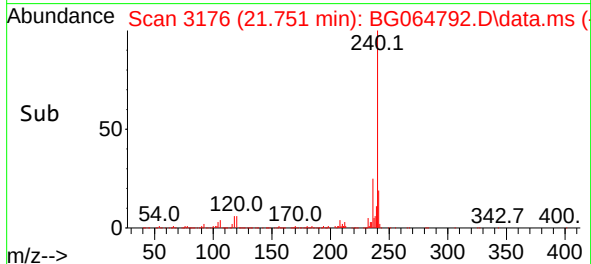
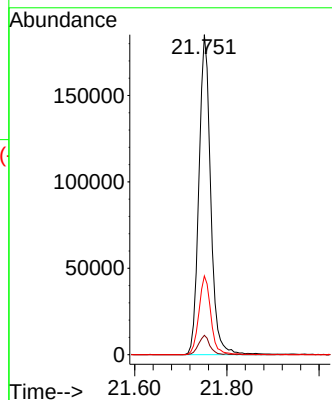
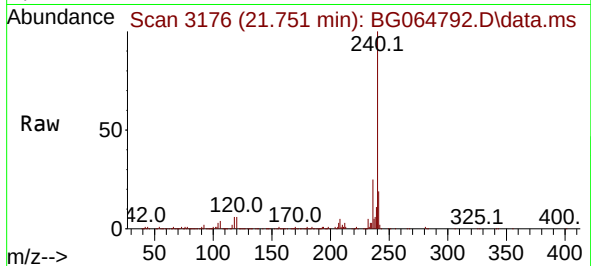




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

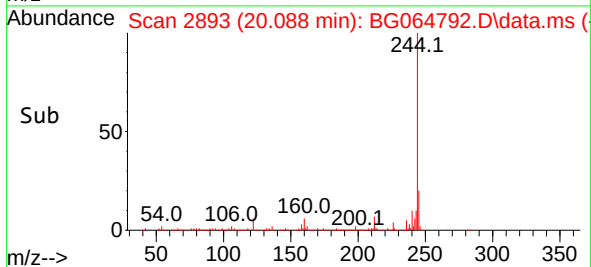
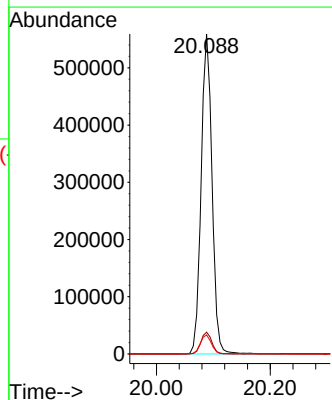
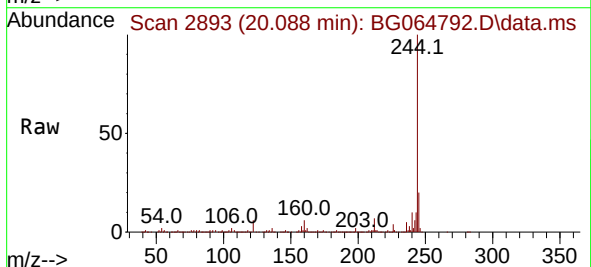
Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

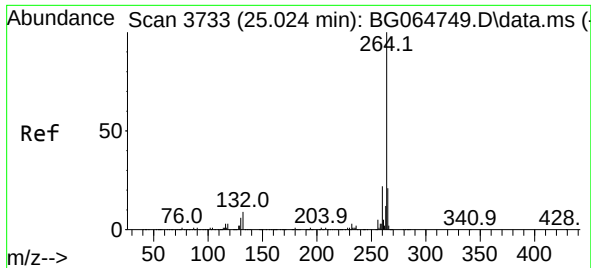
Tgt Ion:240 Resp: 327722
Ion Ratio Lower Upper
240 100
120 6.0 4.2 6.4
236 24.6 20.8 31.2



#79
Terphenyl-d14
Concen: 44.654 ng
RT: 20.088 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:244 Resp: 743942
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 6.0 4.3 6.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG064792.D
 Acq: 17 Nov 2025 20:07

Instrument :
 BNA_G
 ClientSampleId :
 B4-0.0-0.5-20251114

Tgt Ion:264 Resp: 336150
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.2 25.8
 265 22.1 16.6 25.0

