

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
 Data File : BG064459.D
 Acq On : 29 Sep 2025 14:31
 Operator : RC/JU
 Sample : Q3183-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Sep 29 18:12:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 29 18:04:12 2025
 Response via : Initial Calibration

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

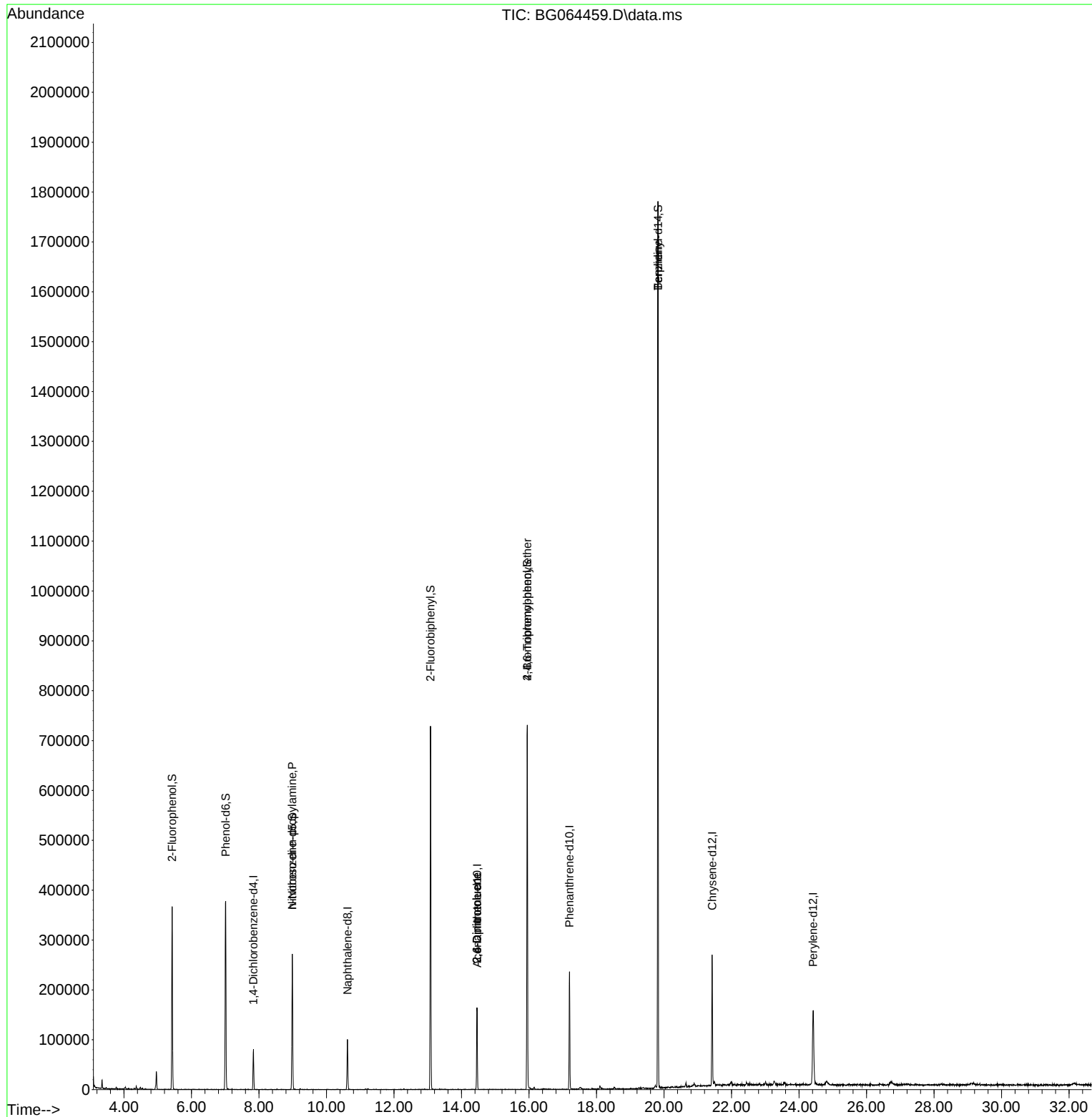
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.835	152	18300	20.000	ng	0.00
21) Naphthalene-d8	10.620	136	75618	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	56675	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	139199	20.000	ng	# 0.00
76) Chrysene-d12	21.425	240	156616	20.000	ng	# 0.00
86) Perylene-d12	24.416	264	164202	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.426	112	128932	134.636	ng	0.00
7) Phenol-d6	7.013	99	174813	133.246	ng	0.00
23) Nitrobenzene-d5	8.987	82	136946	98.148	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	143666	145.204	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	355902	92.729	ng	0.00
79) Terphenyl-d14	19.821	244	783064	98.562	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.987	70	20390	22.993	ng	# 76
51) 2,6-Dinitrotoluene	14.457	165	7606	8.364	ng	# 21
57) 2,4-Dinitrotoluene	14.457	165	7606	5.479	ng	# 19
67) 4-Bromophenyl-phenylether	15.949	248	10440	6.401	ng	# 1
77) Benzidine	19.821	184	15690	3.826	ng	# 94

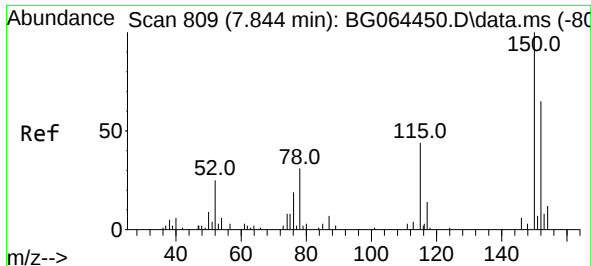
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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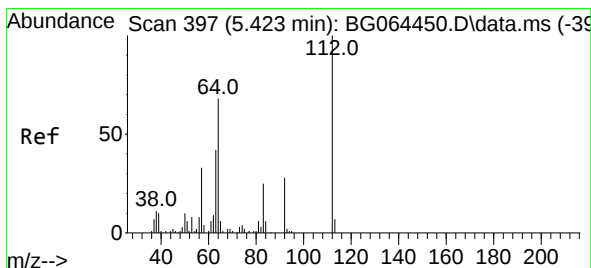
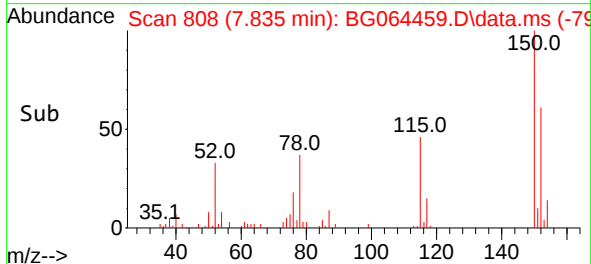
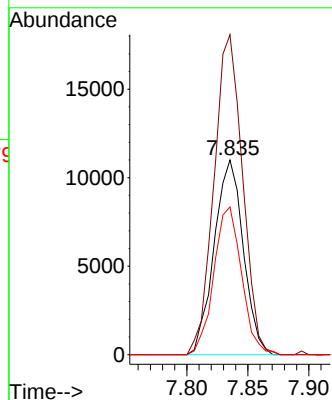
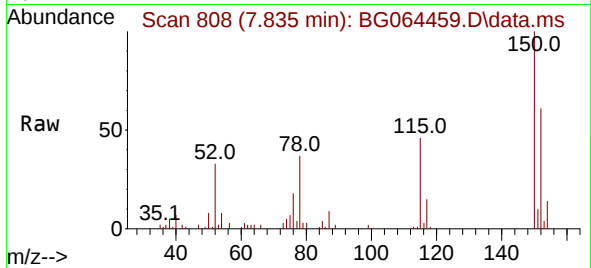




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.835 min Scan# 809
Delta R.T. -0.009 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

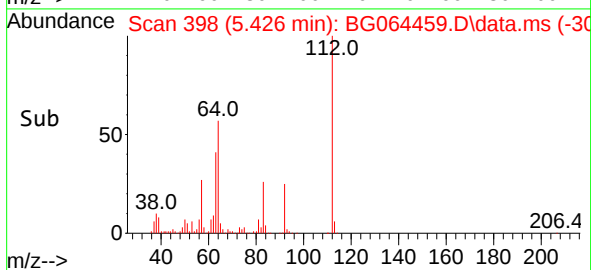
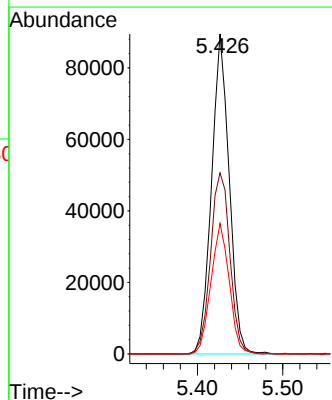
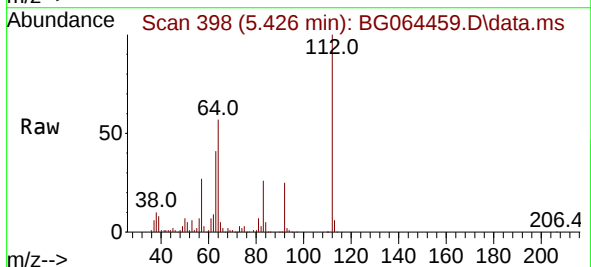
Instrument :
BNA_G
ClientSampleId :
WC-1

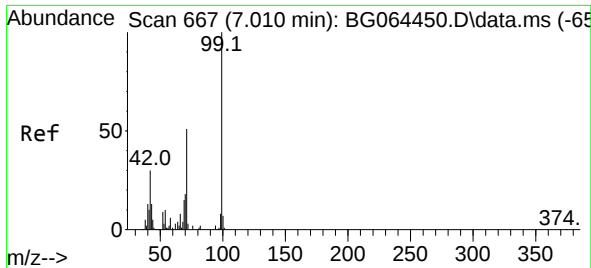
Tgt Ion:152 Resp: 18300
Ion Ratio Lower Upper
152 100
150 164.3 122.9 184.3
115 75.9 54.3 81.5



#5
2-Fluorophenol
Concen: 134.636 ng
RT: 5.426 min Scan# 398
Delta R.T. 0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:112 Resp: 128932
Ion Ratio Lower Upper
112 100
64 56.6 54.0 81.0
63 40.8 33.8 50.6

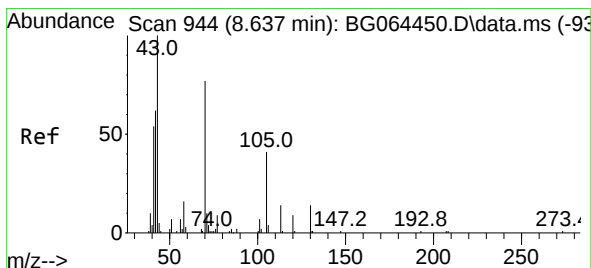
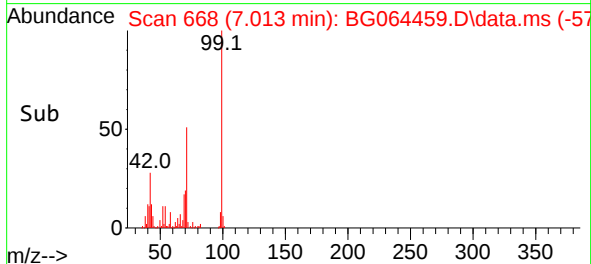
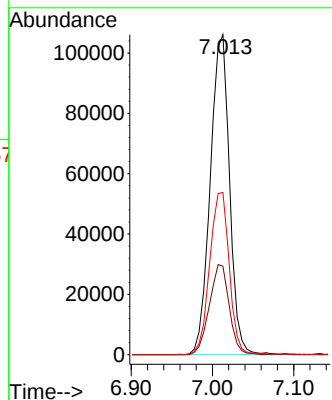
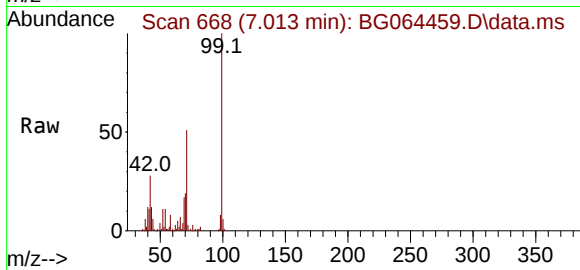




#7
Phenol-d6
Concen: 133.246 ng
RT: 7.013 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

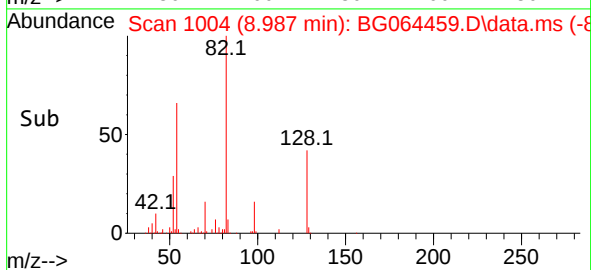
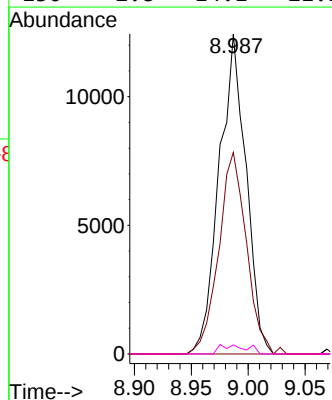
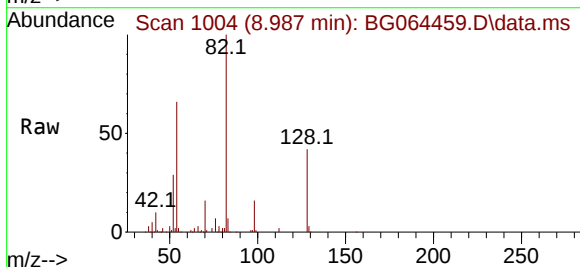
Instrument :
BNA_G
ClientSampleId :
WC-1

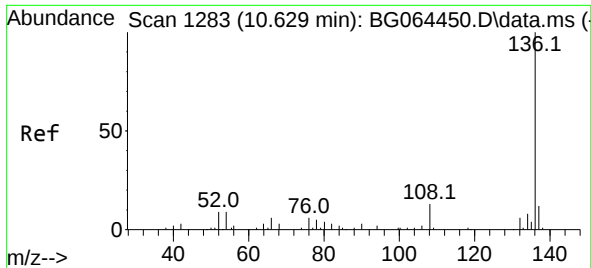
Tgt Ion: 99 Resp: 174813
Ion Ratio Lower Upper
99 100
42 27.7 24.0 36.0
71 50.7 40.5 60.7



#19
n-Nitroso-di-n-propylamine
Concen: 22.993 ng
RT: 8.987 min Scan# 1004
Delta R.T. 0.350 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion: 70 Resp: 20390
Ion Ratio Lower Upper
70 100
42 63.0 65.6 98.4#
101 0.0 7.7 11.5#
130 2.8 14.1 21.1#

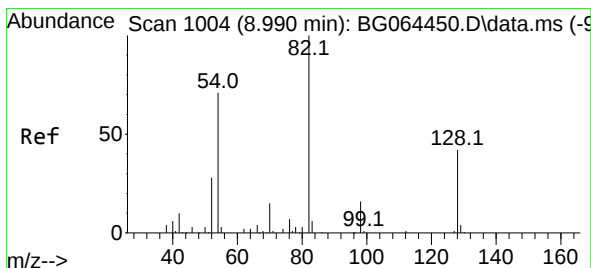
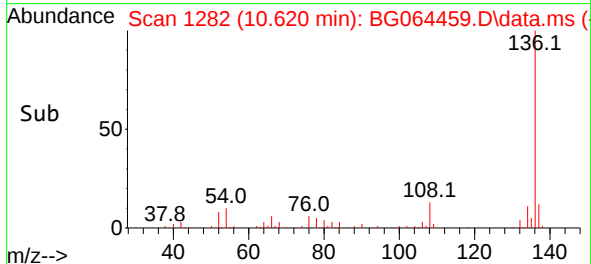
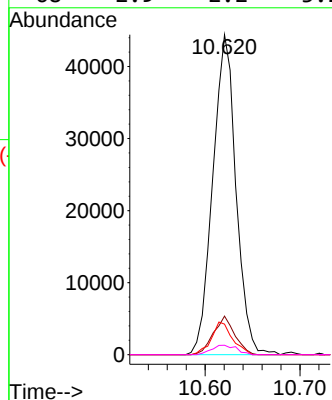
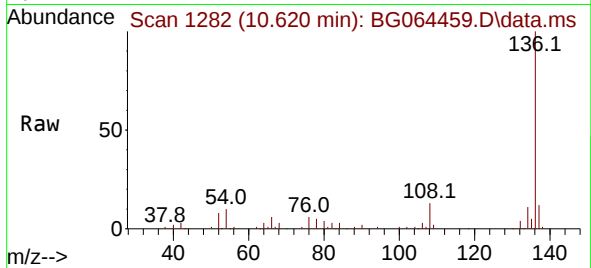




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.620 min Scan# 1282
Delta R.T. -0.009 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

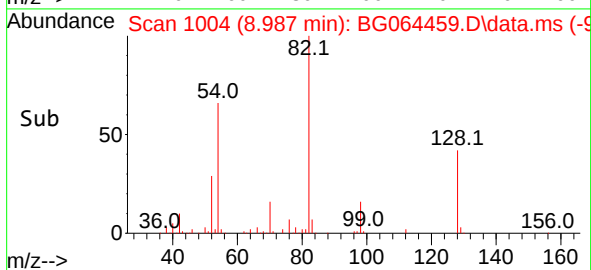
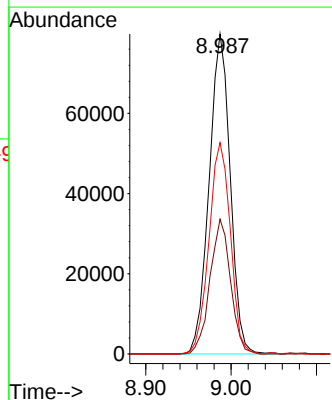
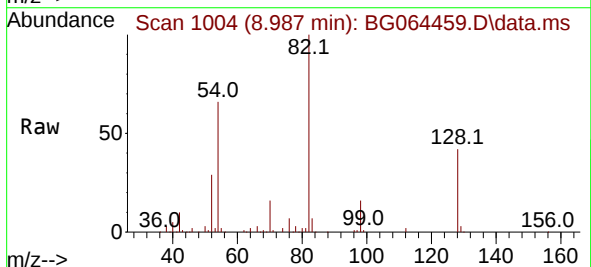
Instrument :
BNA_G
ClientSampleId :
WC-1

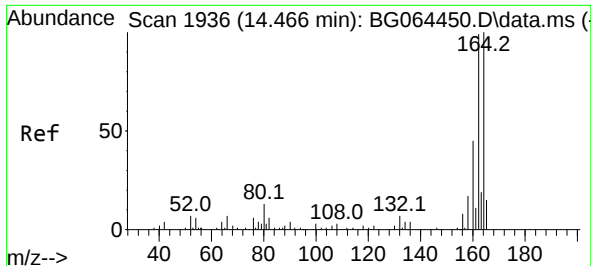
Tgt Ion:136	Resp:	75618
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.6 14.4
54	9.5	7.4 11.2
68	2.9	2.2 3.2



#23
Nitrobenzene-d5
Concen: 98.148 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion: 82	Resp:	136946
Ion Ratio	Lower	Upper
82	100	
128	42.1	33.7 50.5
54	66.1	57.0 85.6

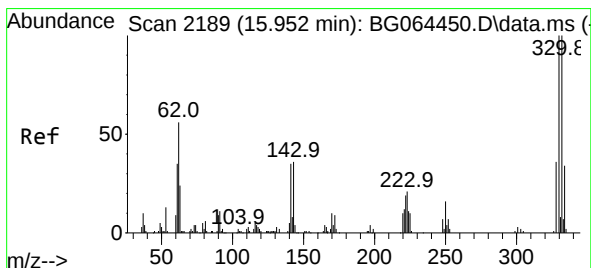
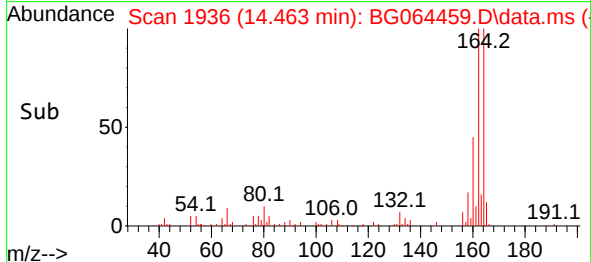
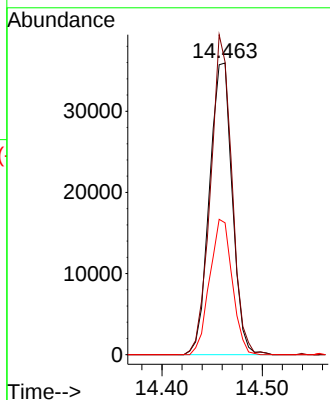
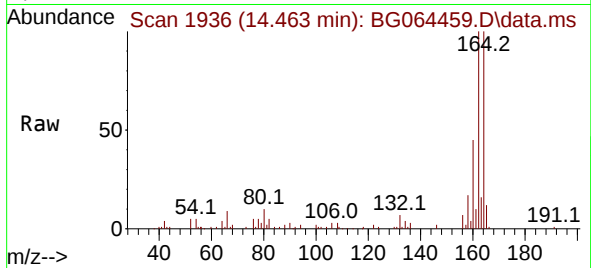




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

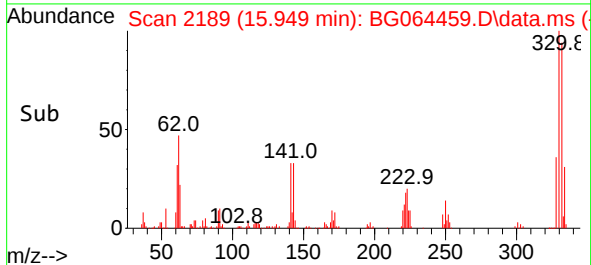
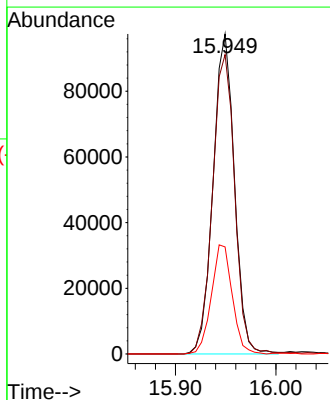
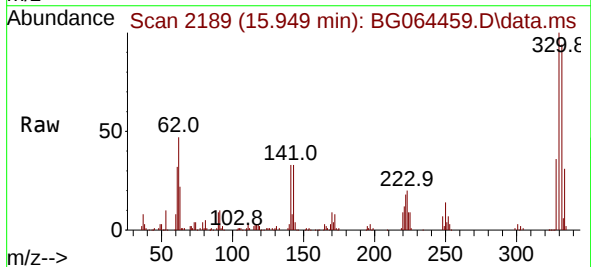
Instrument :
BNA_G
ClientSampleId :
WC-1

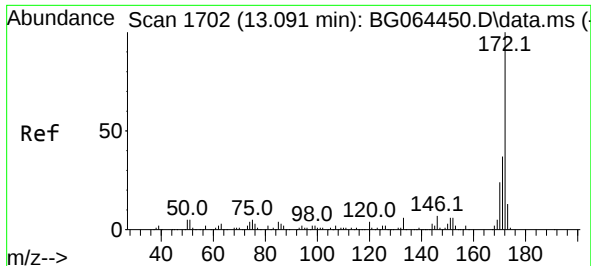
Tgt Ion:164 Resp: 56675
Ion Ratio Lower Upper
164 100
162 100.3 79.0 118.4
160 45.2 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 145.204 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:330 Resp: 143666
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 33.5 27.3 40.9

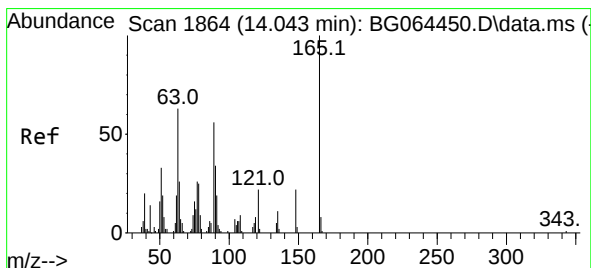
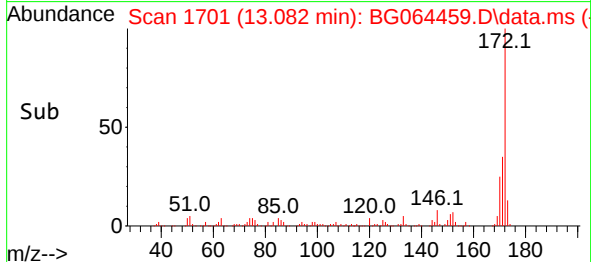
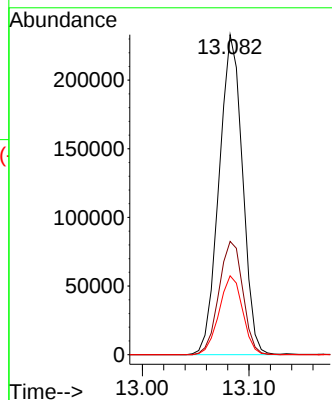
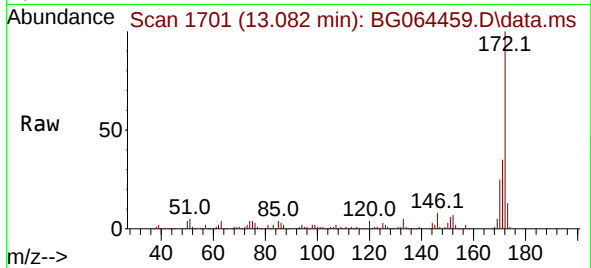




#45
2-Fluorobiphenyl
Concen: 92.729 ng
RT: 13.082 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

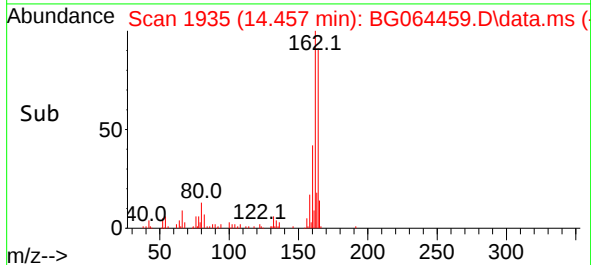
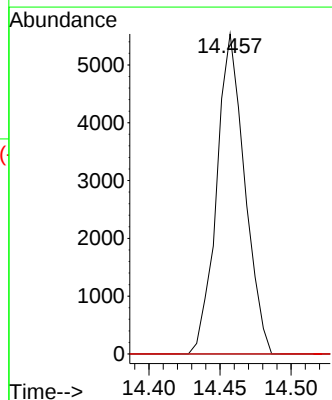
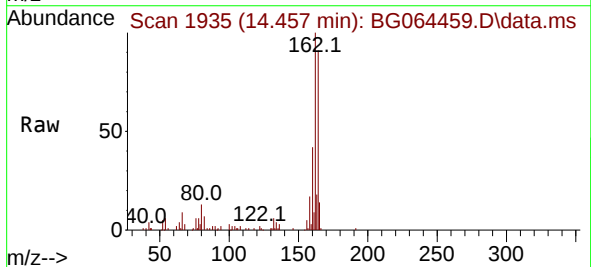
Instrument :
BNA_G
ClientSampleId :
WC-1

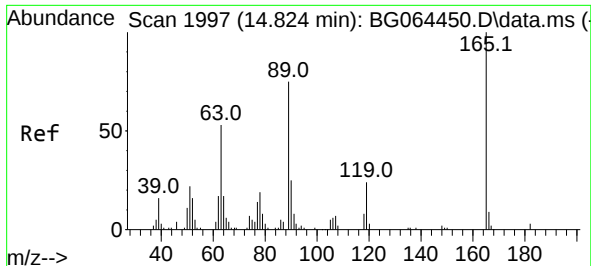
Tgt Ion:172 Resp: 355902
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.2
170 24.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.364 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.414 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:165 Resp: 7606
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 0.0 44.6 67.0#

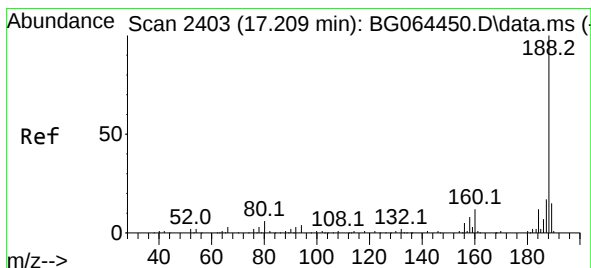
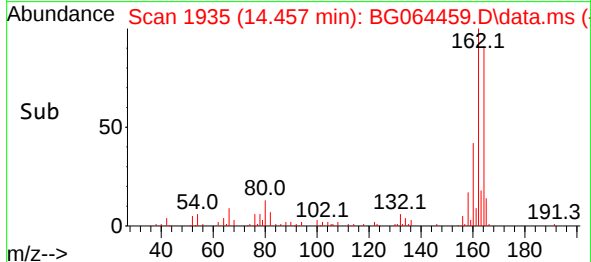
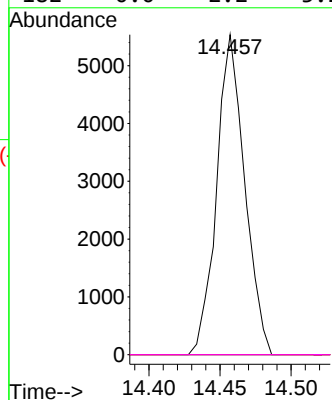
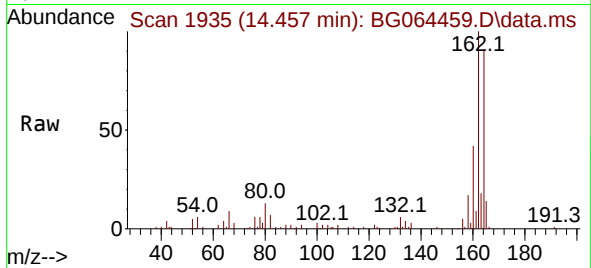




#57
2,4-Dinitrotoluene
Concen: 5.479 ng
RT: 14.457 min Scan# 1997
Delta R.T. -0.367 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

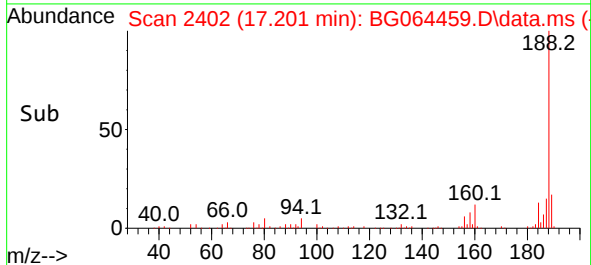
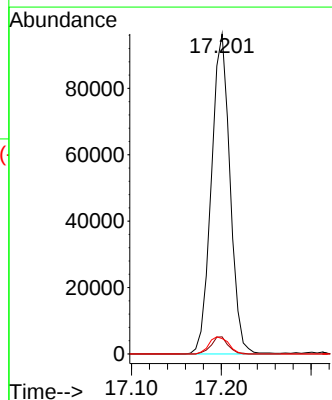
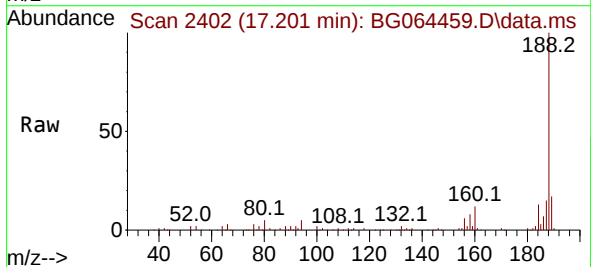
Instrument :
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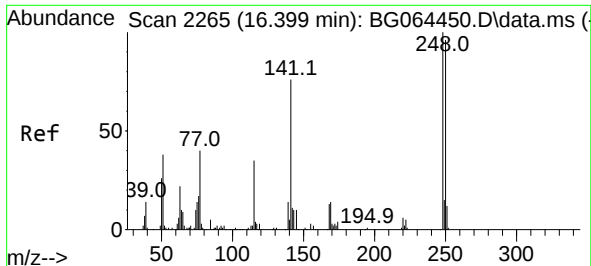
Tgt Ion:165 Resp: 7606
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 59.7 89.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:188 Resp: 139199
Ion Ratio Lower Upper
188 100
94 5.4 3.0 4.4#
80 4.8 4.9 7.3#

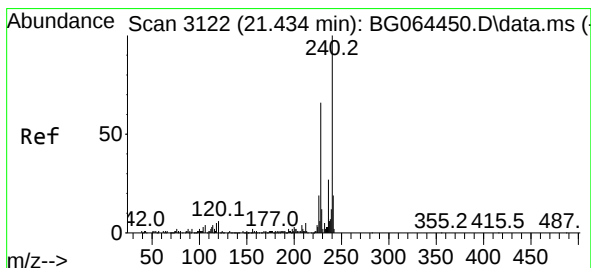
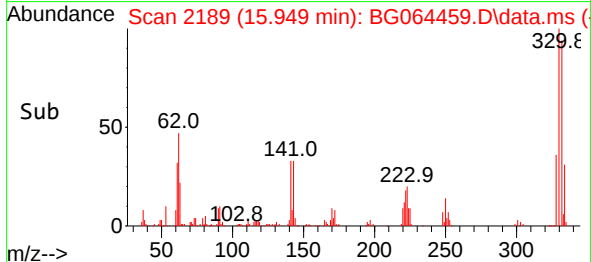
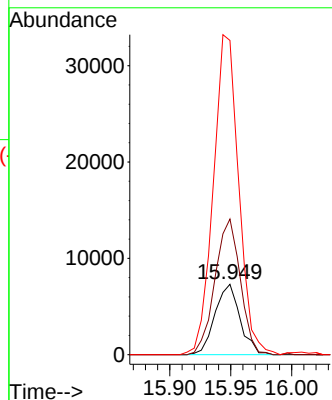
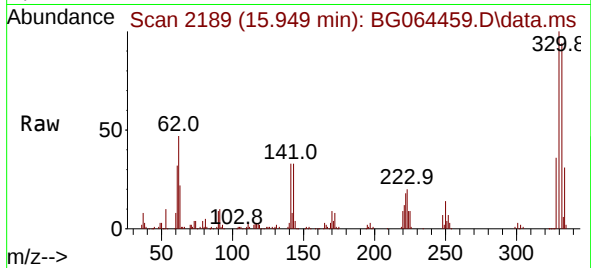




#67
4-Bromophenyl-phenylether
Concen: 6.401 ng
RT: 15.949 min Scan# 21189
Delta R.T. -0.449 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

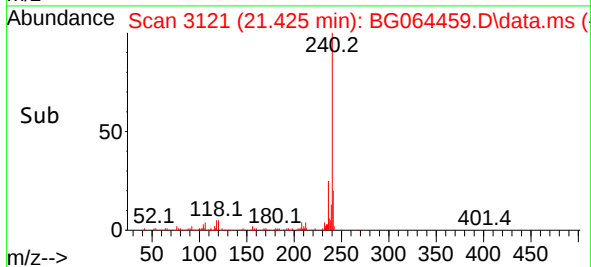
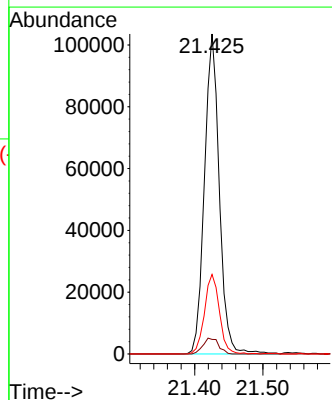
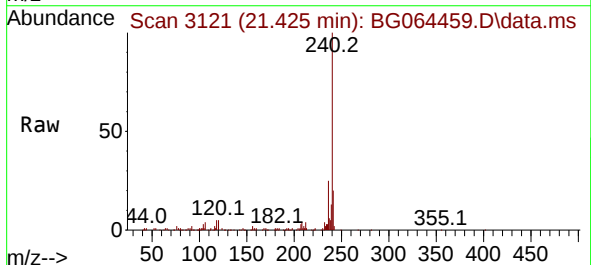
Instrument :
BNA_G
ClientSampleId :
WC-1

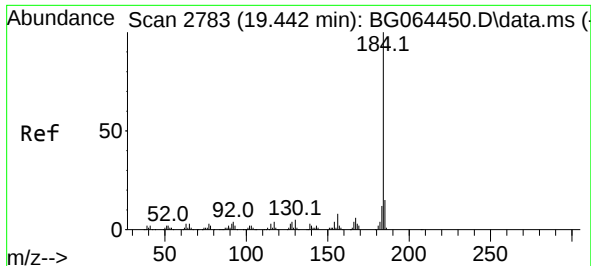
Tgt Ion:248 Resp: 10440
Ion Ratio Lower Upper
248 100
250 192.9 77.0 115.6#
141 446.8 61.1 91.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.425 min Scan# 3121
Delta R.T. -0.009 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:240 Resp: 156616
Ion Ratio Lower Upper
240 100
120 4.6 5.0 7.4#
236 24.9 21.9 32.9

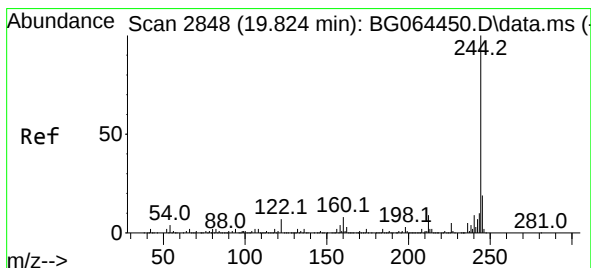
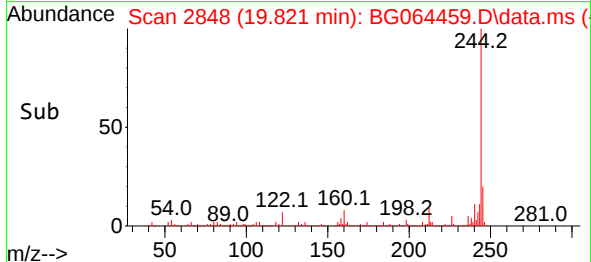
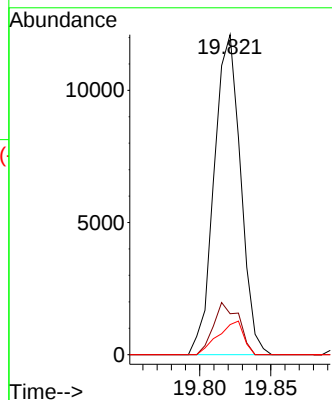
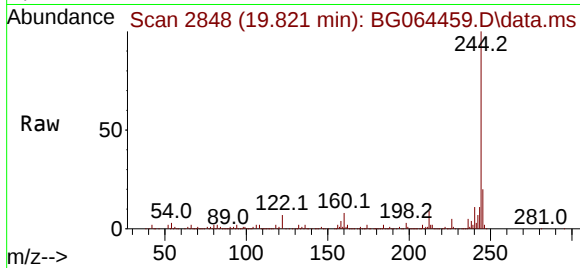




#77
Benzidine
Concen: 3.826 ng
RT: 19.821 min Scan# 21
Delta R.T. 0.379 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

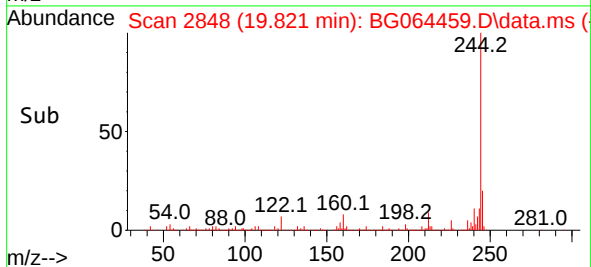
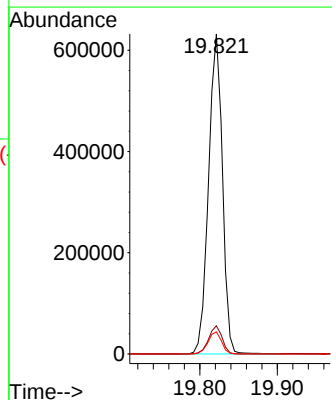
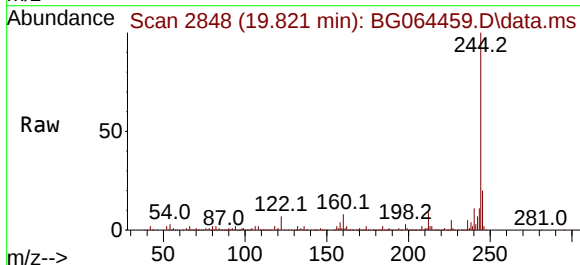
Instrument :
BNA_G
ClientSampleId :
WC-1

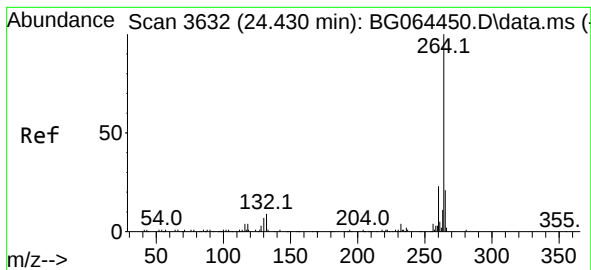
Tgt Ion:184 Resp: 15690
Ion Ratio Lower Upper
184 100
185 12.8 11.7 17.5
183 9.4 10.0 15.0#



#79
Terphenyl-d14
Concen: 98.562 ng
RT: 19.821 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Tgt Ion:244 Resp: 783064
Ion Ratio Lower Upper
244 100
212 8.8 7.2 10.8
122 6.9 5.7 8.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.416 min Scan# 30
Delta R.T. -0.014 min
Lab File: BG064459.D
Acq: 29 Sep 2025 14:31

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:264 Resp: 164202
Ion Ratio Lower Upper
264 100
260 21.2 18.6 27.8
265 19.2 16.7 25.1

