

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090925\
 Data File : BG064323.D
 Acq On : 9 Sep 2025 14:20
 Operator : RC/JU
 Sample : PB169606BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 09 15:09:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

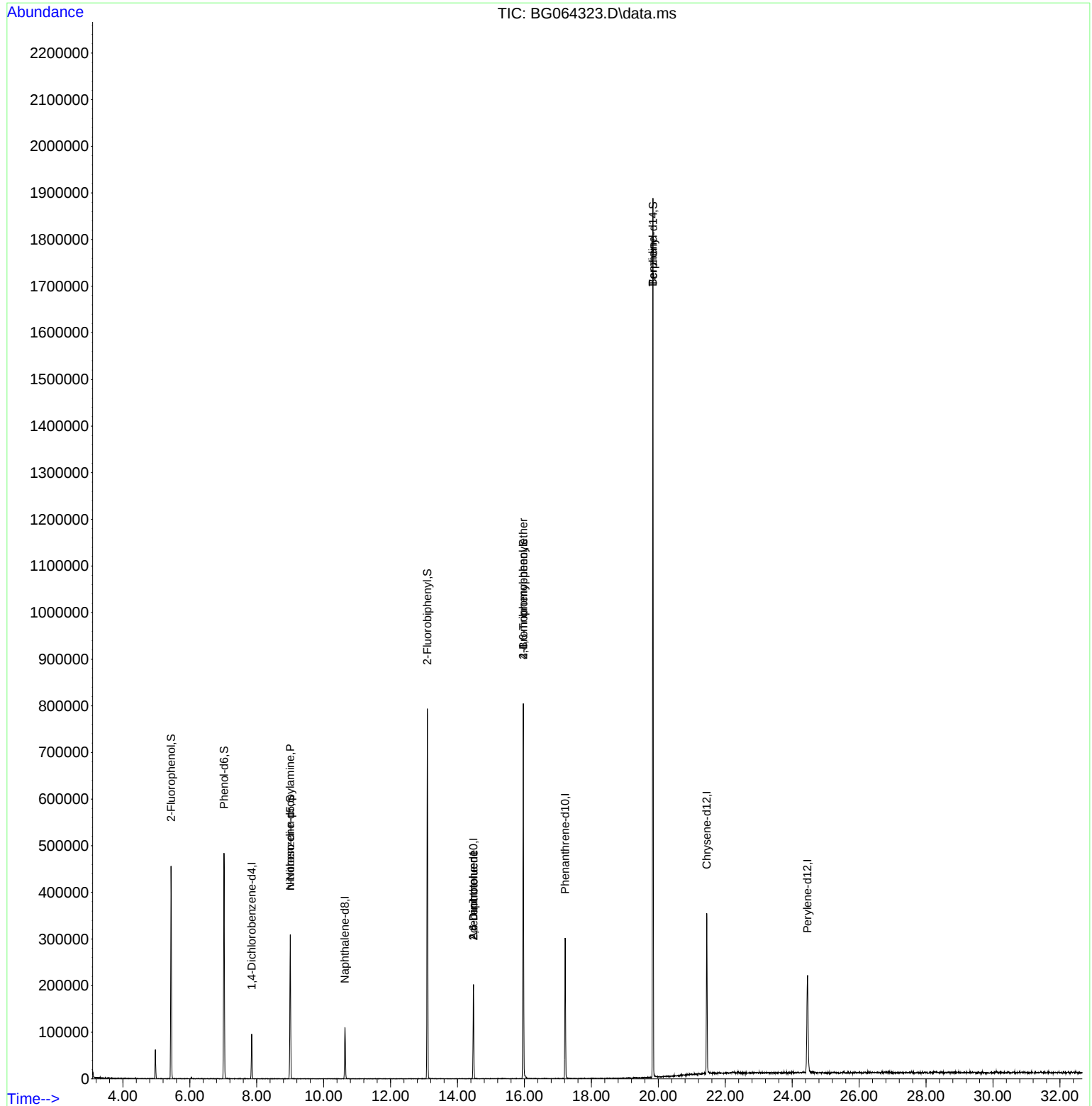
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.849	152	21699	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	92887	20.000	ng	-0.02
39) Acenaphthene-d10	14.477	164	69770	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	182536	20.000	ng	#-0.01
76) Chrysene-d12	21.445	240	200876	20.000	ng	-0.01
86) Perylene-d12	24.453	264	215928	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	161580	133.596	ng	0.00
7) Phenol-d6	7.021	99	213499	128.490	ng	-0.01
23) Nitrobenzene-d5	9.001	82	153227	91.999	ng	-0.02
42) 2,4,6-Tribromophenol	15.963	330	152329	164.834	ng	-0.01
45) 2-Fluorobiphenyl	13.096	172	404419	88.474	ng	-0.02
79) Terphenyl-d14	19.841	244	899824	93.458	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.001	70	22552	17.734	ng	# 74
51) 2,6-Dinitrotoluene	14.477	165	9820	9.605	ng	# 16
57) 2,4-Dinitrotoluene	14.477	165	9820	6.353	ng	# 19
67) 4-Bromophenyl-phenylether	15.963	248	10634	5.485	ng	# 1
77) Benzidine	19.835	184	17145	4.057	ng	# 95

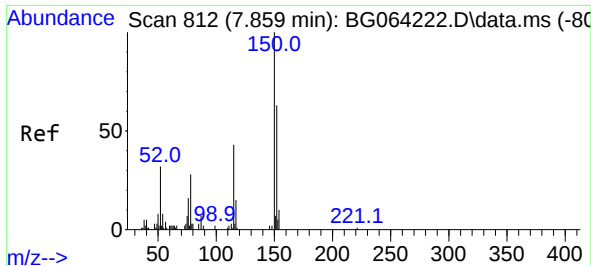
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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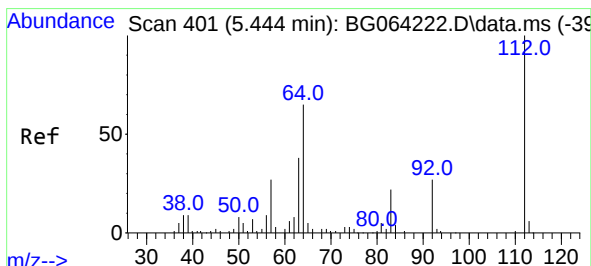
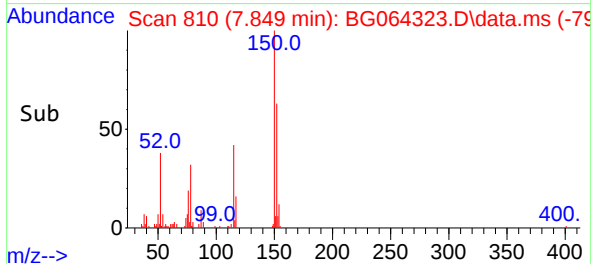
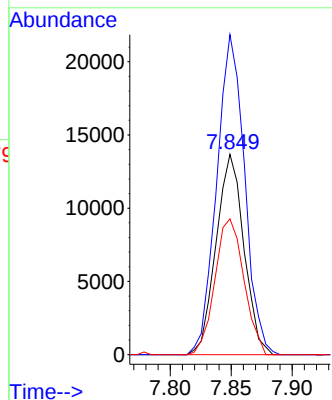
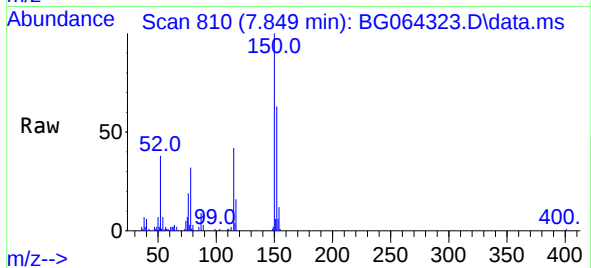




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.849 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

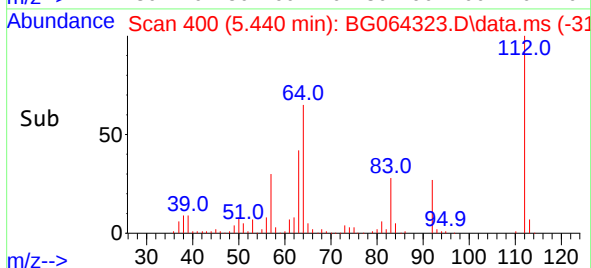
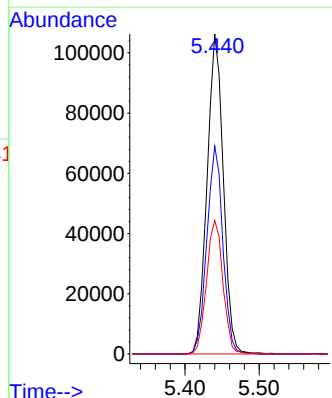
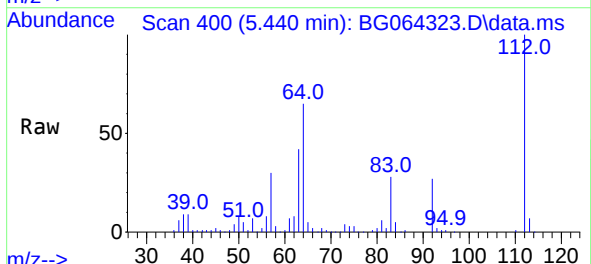
Instrument :
BNA_G
ClientSampleId :

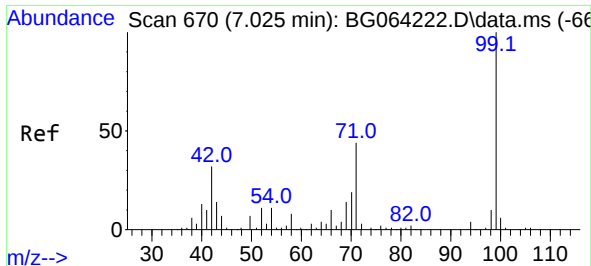
Tgt Ion:152 Resp: 21699
Ion Ratio Lower Upper
152 100
150 159.7 128.0 192.0
115 67.8 55.7 83.5



#5
2-Fluorophenol
Concen: 133.596 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

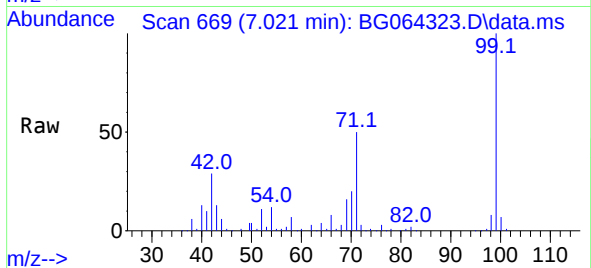
Tgt Ion:112 Resp: 161580
Ion Ratio Lower Upper
112 100
64 64.9 51.8 77.6
63 41.7 30.6 45.8



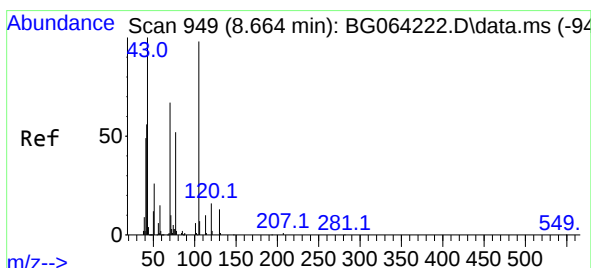
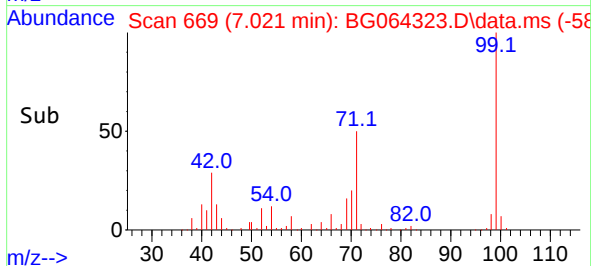
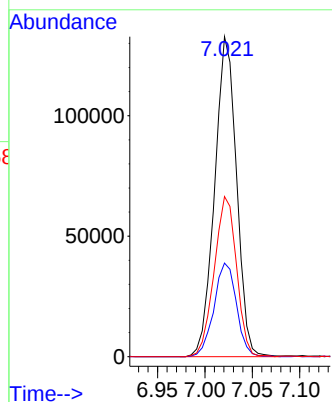


#7
Phenol-d6
Concen: 128.490 ng
RT: 7.021 min Scan# 60
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :

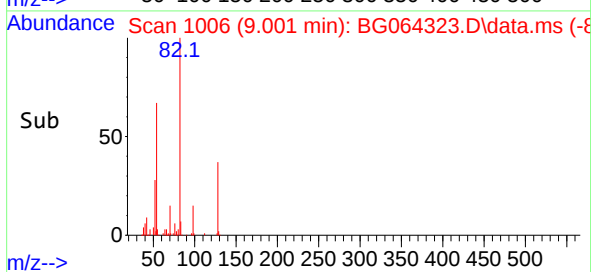
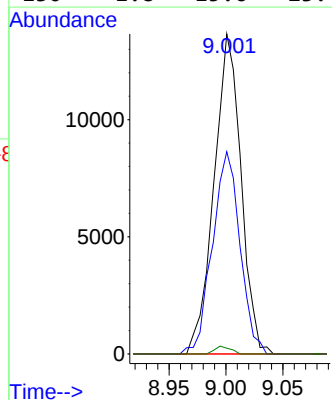
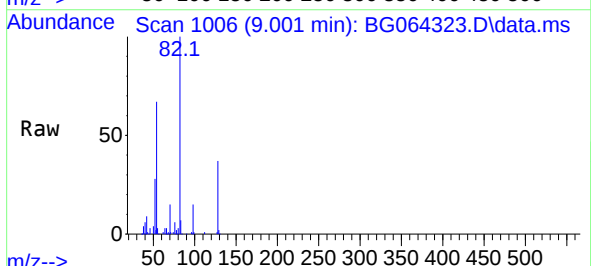


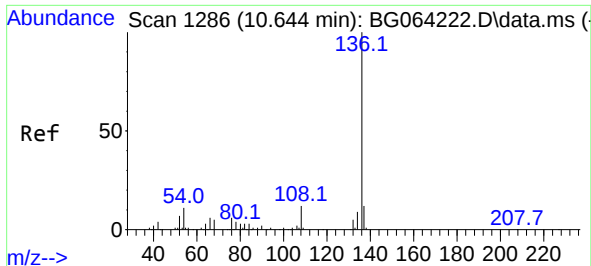
Tgt Ion: 99 Resp: 213499
Ion Ratio Lower Upper
99 100
42 29.3 25.8 38.8
71 50.1 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.734 ng
RT: 9.001 min Scan# 1006
Delta R.T. 0.337 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Tgt Ion: 70 Resp: 22552
Ion Ratio Lower Upper
70 100
42 63.2 67.9 101.9#
101 0.0 7.3 10.9#
130 1.8 15.6 23.4#

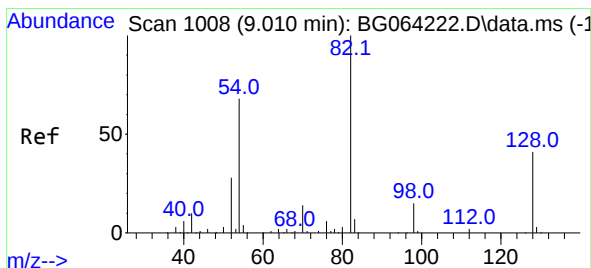
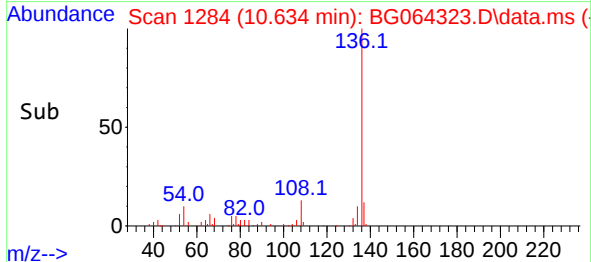
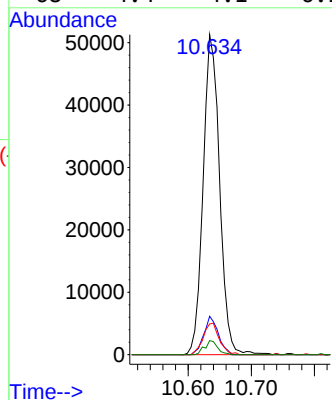
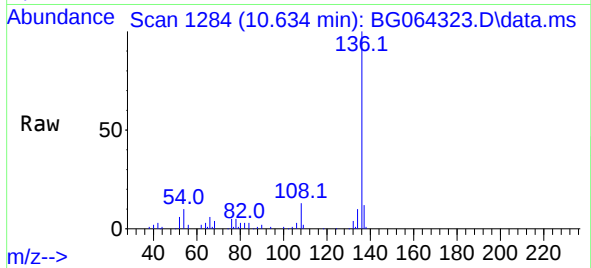




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

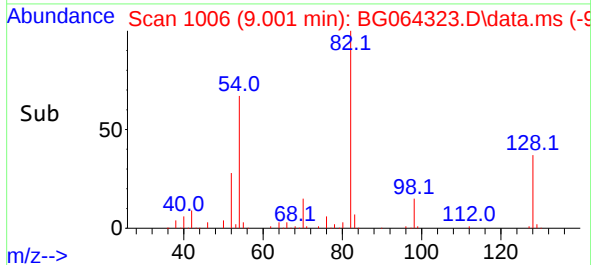
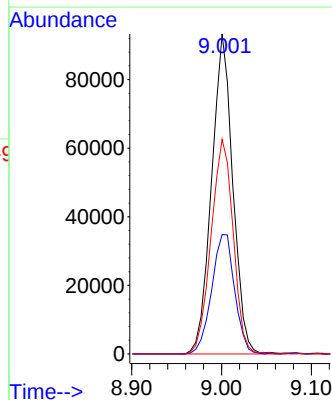
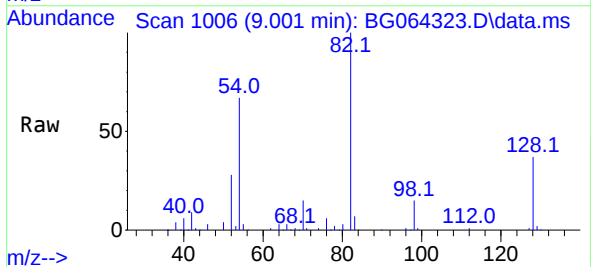
Instrument :
BNA_G
ClientSampleId :

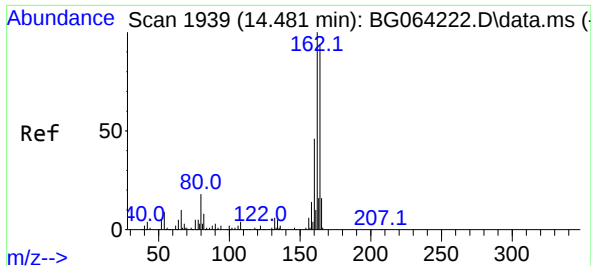
Tgt Ion:	136	Resp:	92887
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	9.6	8.8	13.2
68	4.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 91.999 ng
RT: 9.001 min Scan# 1006
Delta R.T. -0.016 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

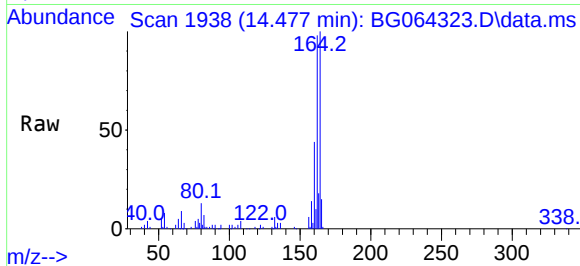
Tgt Ion:	82	Resp:	153227
Ion	Ratio	Lower	Upper
82	100		
128	37.3	32.6	48.8
54	67.1	54.7	82.1



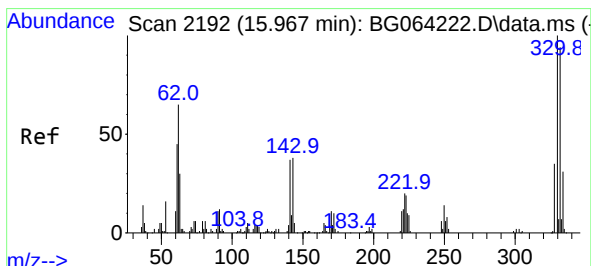
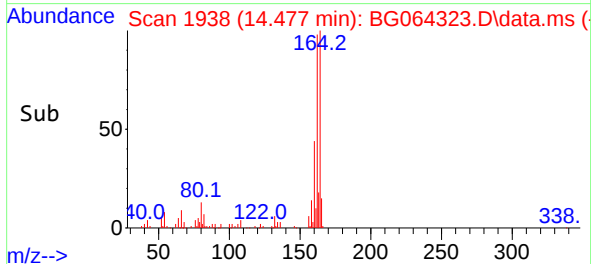
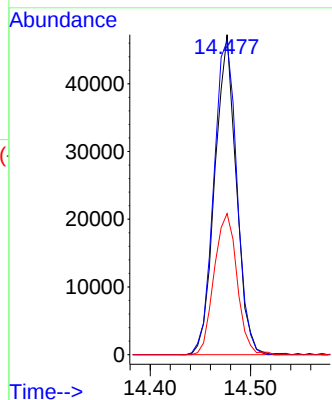


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.477 min Scan# 1938
Delta R.T. -0.004 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :

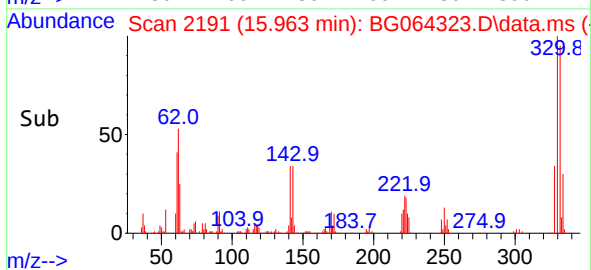
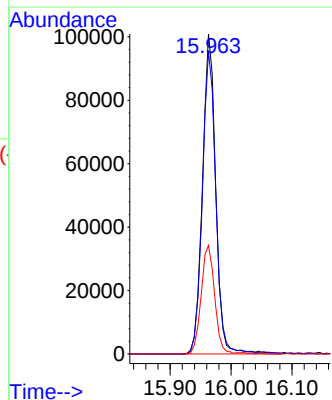
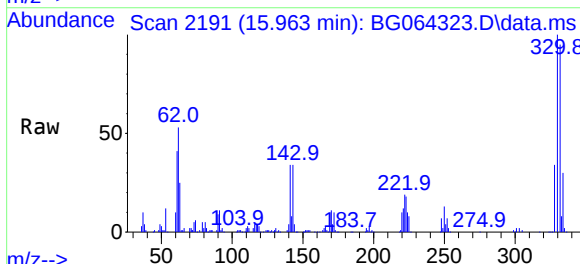


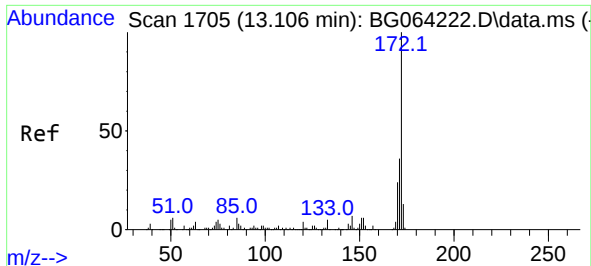
Tgt Ion:164 Resp: 69770
Ion Ratio Lower Upper
164 100
162 98.0 85.4 128.0
160 44.1 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 164.834 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Tgt Ion:330 Resp: 152329
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 34.5 29.8 44.6

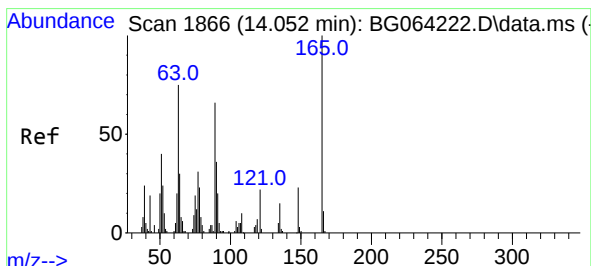
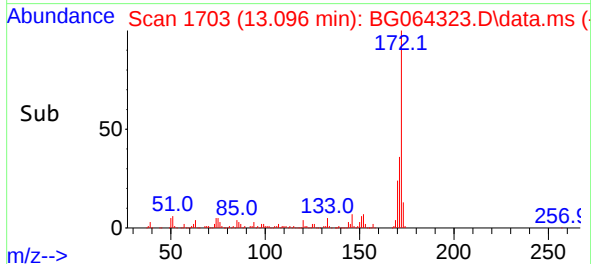
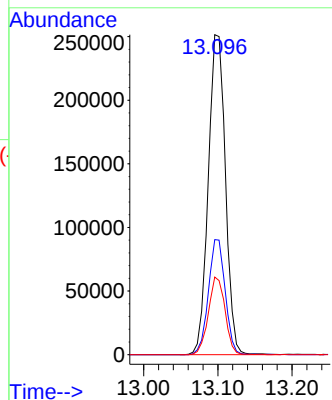
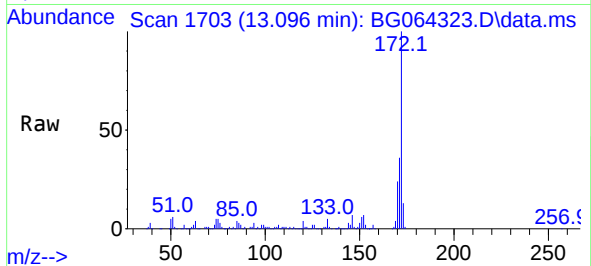




#45
2-Fluorobiphenyl
Concen: 88.474 ng
RT: 13.096 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

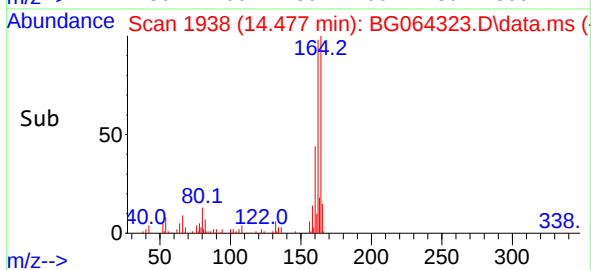
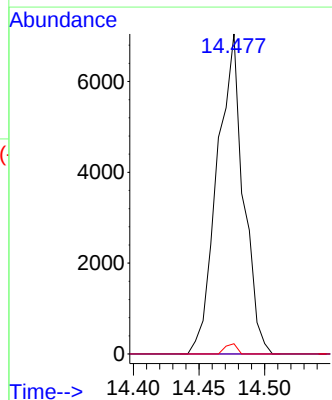
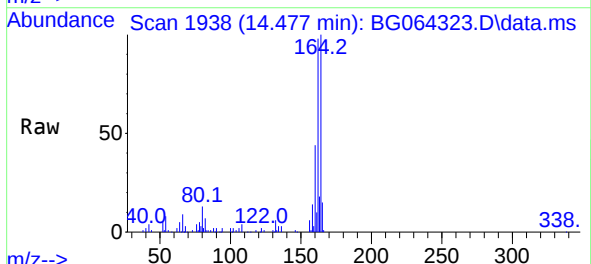
Instrument :
BNA_G
ClientSampleId :

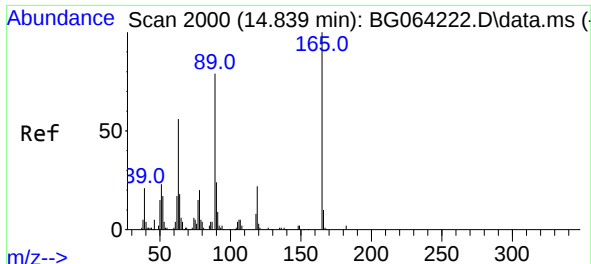
Tgt Ion:172 Resp: 404419
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 24.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.605 ng
RT: 14.477 min Scan# 1938
Delta R.T. 0.419 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

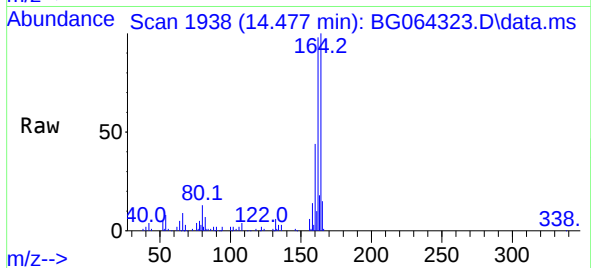
Tgt Ion:165 Resp: 9820
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 3.2 52.9 79.3#



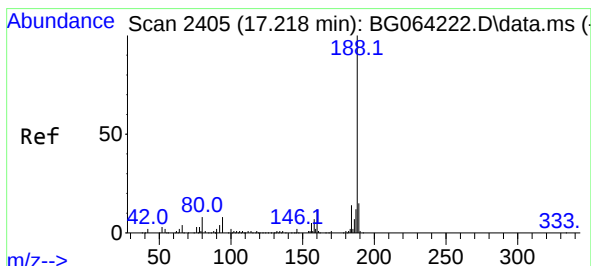
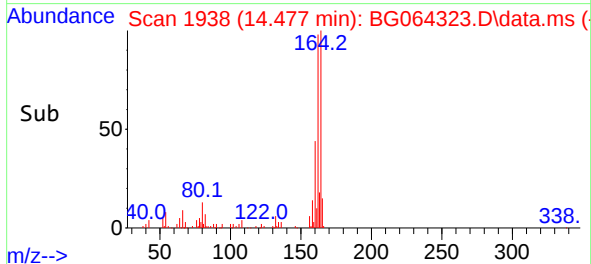
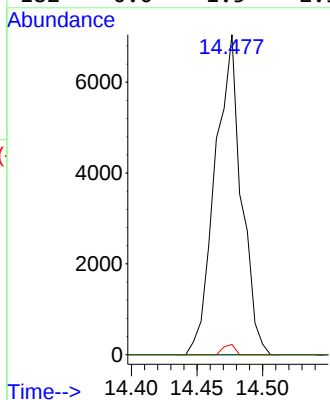


#57
2,4-Dinitrotoluene
Concen: 6.353 ng
RT: 14.477 min Scan# 1938
Delta R.T. -0.369 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :

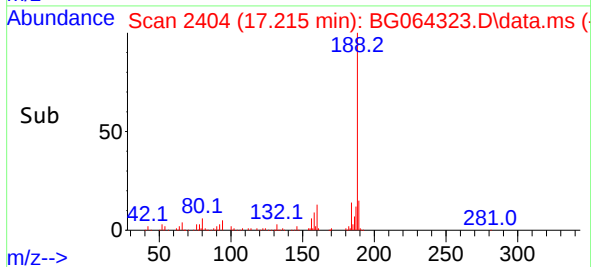
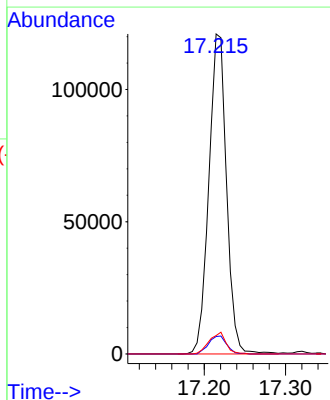
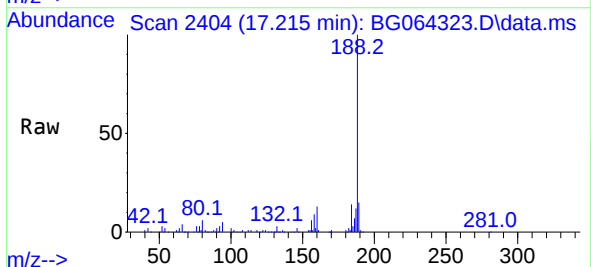


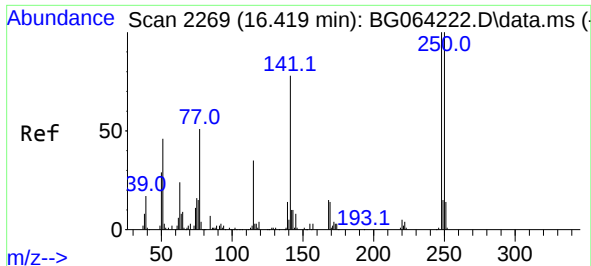
Tgt Ion:165 Resp: 9820
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 3.2 63.0 94.4#
182 0.0 1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2404
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

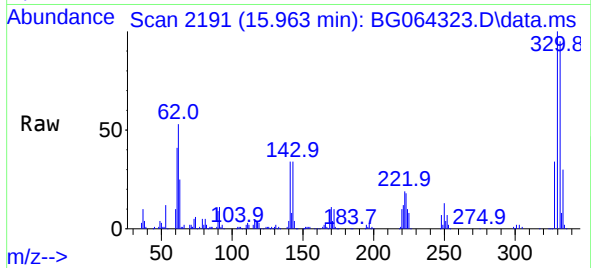
Tgt Ion:188 Resp: 182536
Ion Ratio Lower Upper
188 100
94 5.5 6.2 9.4#
80 5.8 6.8 10.2#



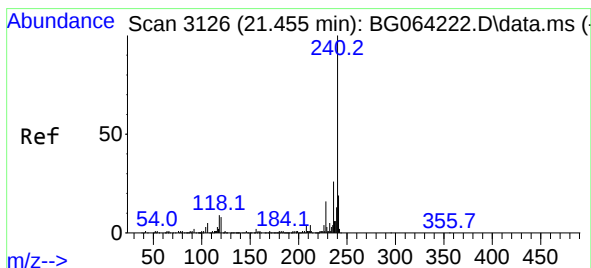
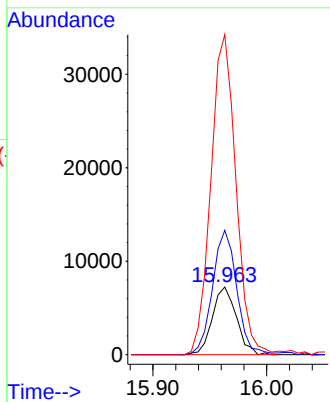
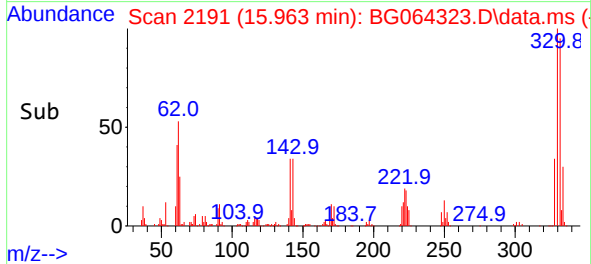


#67
4-Bromophenyl-phenylether
Concen: 5.485 ng
RT: 15.963 min Scan# 211
Delta R.T. -0.457 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :

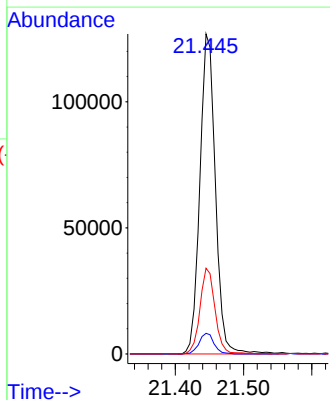
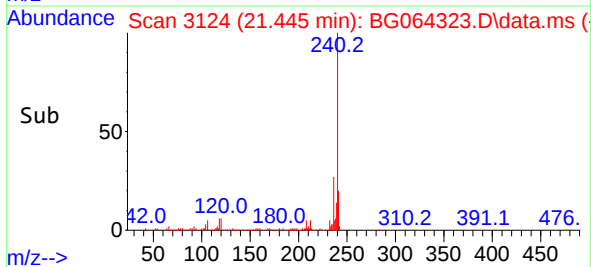
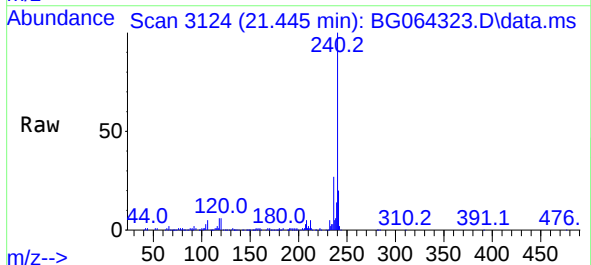


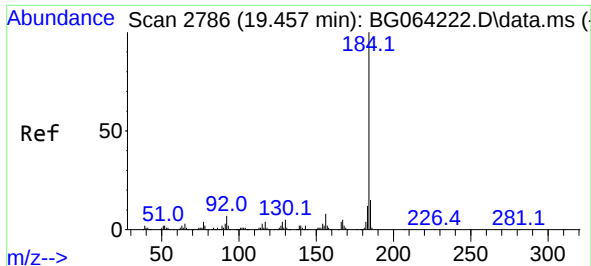
Tgt Ion:248 Resp: 10634
Ion Ratio Lower Upper
248 100
250 183.8 80.2 120.4#
141 473.2 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Tgt Ion:240 Resp: 200876
Ion Ratio Lower Upper
240 100
120 6.4 6.2 9.4
236 26.8 20.5 30.7

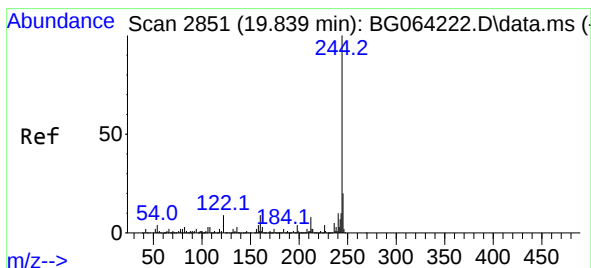
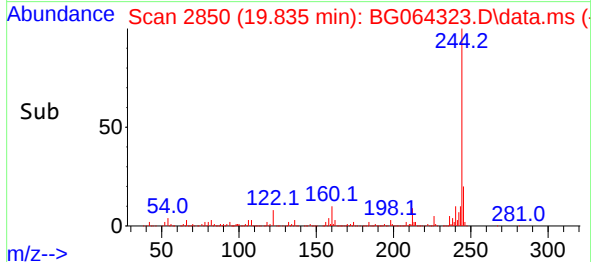
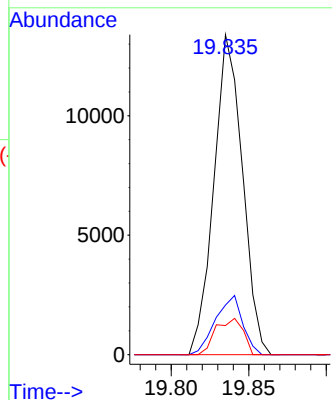
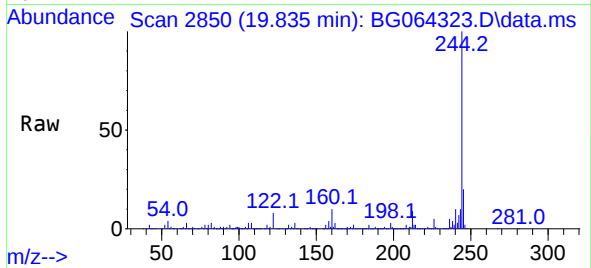




#77
Benzidine
Concen: 4.057 ng
RT: 19.835 min Scan# 2850
Delta R.T. 0.378 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

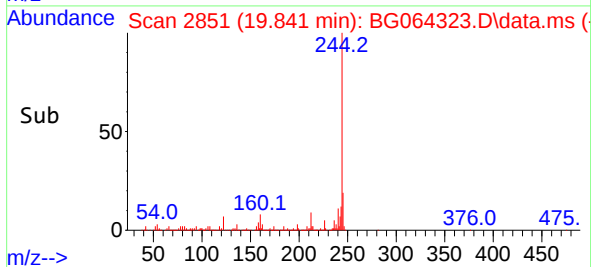
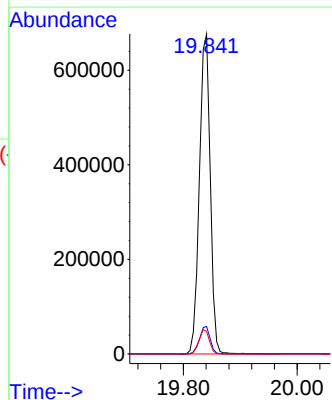
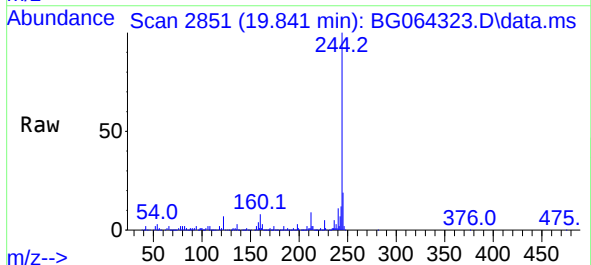
Instrument :
BNA_G
ClientSampleId :

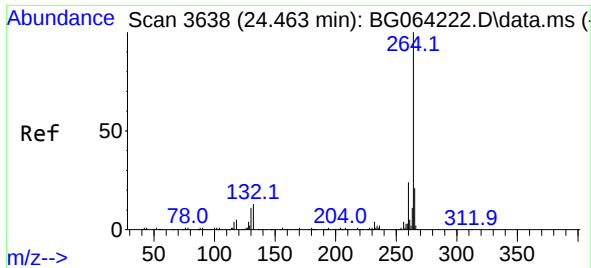
Tgt Ion:184 Resp: 17145
Ion Ratio Lower Upper
184 100
185 15.5 11.7 17.5
183 9.1 9.7 14.5#



#79
Terphenyl-d14
Concen: 93.458 ng
RT: 19.841 min Scan# 2851
Delta R.T. -0.004 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

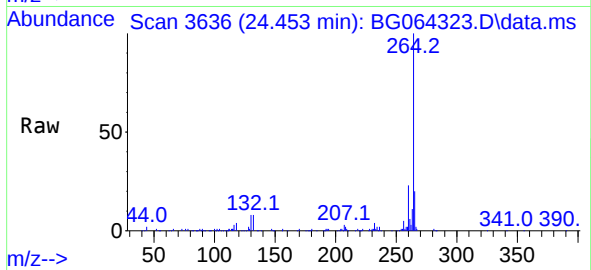
Tgt Ion:244 Resp: 899824
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 7.0 7.0 10.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.453 min Scan# 30
Delta R.T. -0.010 min
Lab File: BG064323.D
Acq: 9 Sep 2025 14:20

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:264 Resp: 215928
Ion Ratio Lower Upper
264 100
260 22.8 18.9 28.3
265 19.5 16.7 25.1

