

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064302.D
 Acq On : 8 Sep 2025 11:12
 Operator : RC/JU
 Sample : PB169566BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169566BL

Quant Time: Sep 08 12:15:49 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)

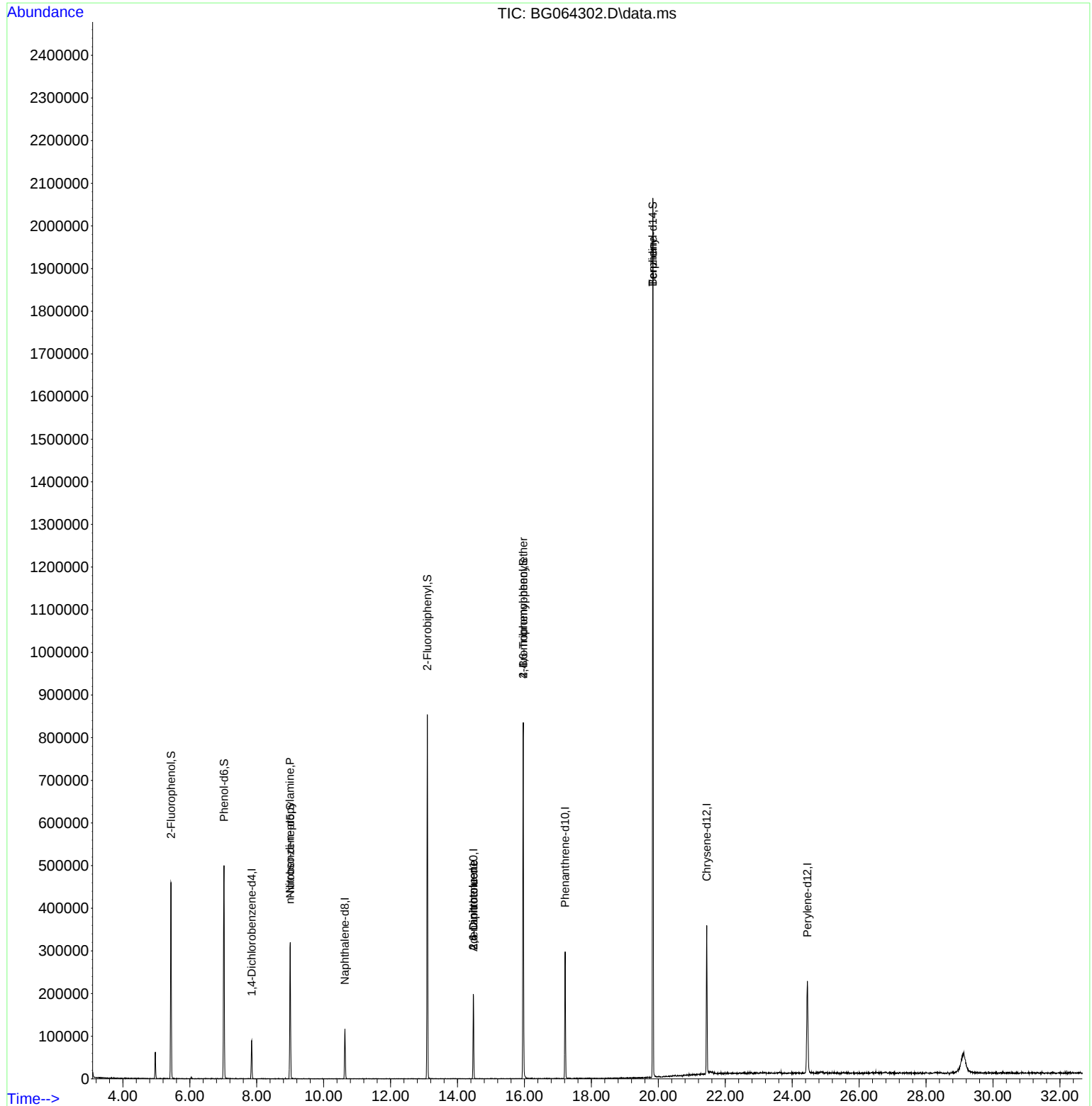
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.850	152	21844	20.000	ng	0.00
21) Naphthalene-d8	10.635	136	88744	20.000	ng	#-0.02
39) Acenaphthene-d10	14.477	164	70127	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	186655	20.000	ng	# 0.00
76) Chrysene-d12	21.445	240	205964	20.000	ng	# 0.00
86) Perylene-d12	24.454	264	225743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.441	112	173234	142.281	ng	0.00
7) Phenol-d6	7.021	99	227793	136.182	ng	0.00
23) Nitrobenzene-d5	9.001	82	163352	102.657	ng	-0.02
42) 2,4,6-Tribromophenol	15.964	330	156211	168.174	ng	0.00
45) 2-Fluorobiphenyl	13.096	172	425539	92.621	ng	-0.02
79) Terphenyl-d14	19.836	244	965803	97.833	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.995	70	23804	18.594	ng	# 76
51) 2,6-Dinitrotoluene	14.471	165	9846	9.582	ng	# 14
57) 2,4-Dinitrotoluene	14.471	165	9846	6.337	ng	# 17
67) 4-Bromophenyl-phenylether	15.964	248	10666	5.380	ng	# 1
77) Benzidine	19.836	184	18770	4.332	ng	# 94

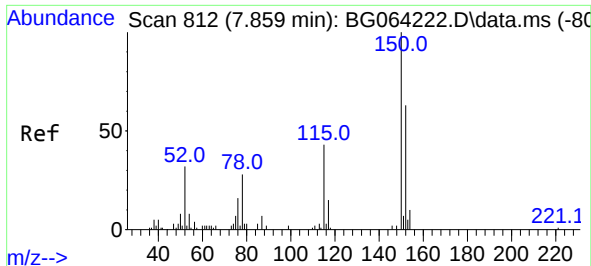
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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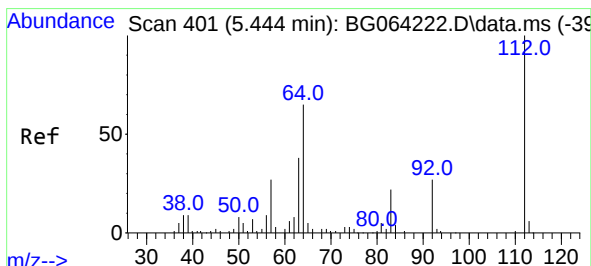
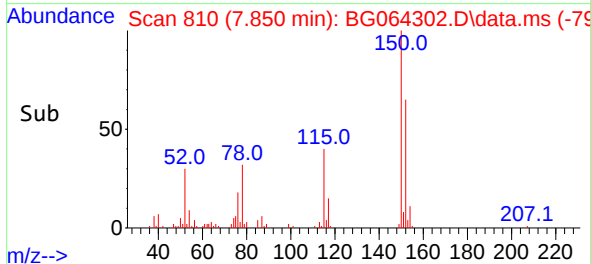
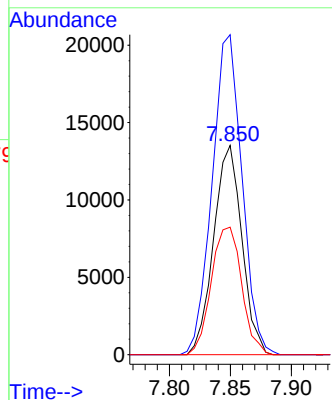
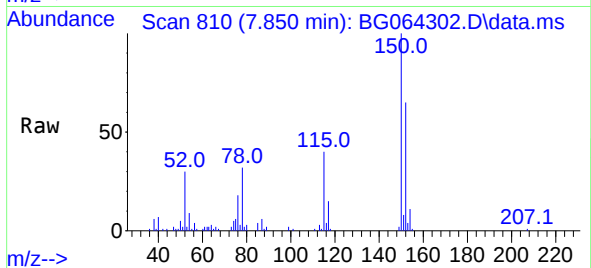




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.850 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

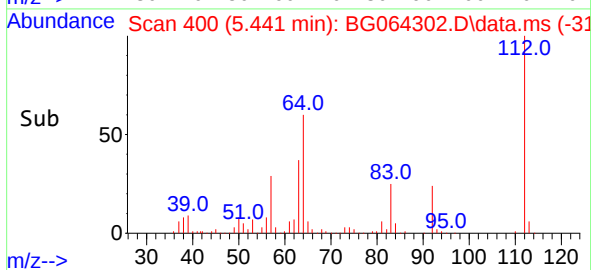
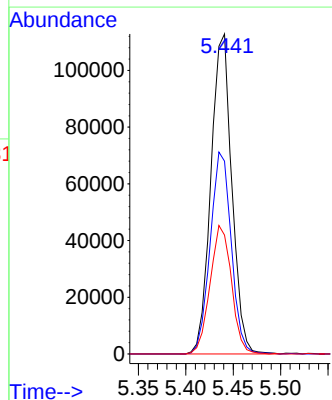
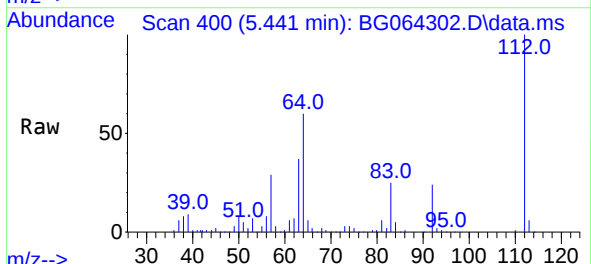
Instrument :
BNA_G
ClientSampleId :
PB169566BL

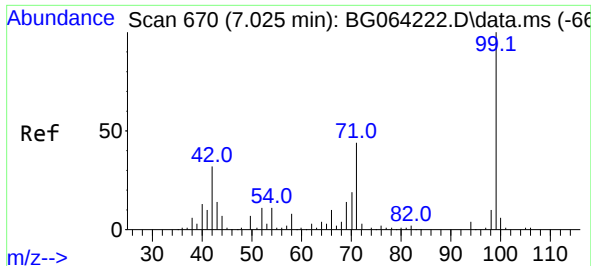
Tgt Ion:152 Resp: 21844
Ion Ratio Lower Upper
152 100
150 152.9 128.0 192.0
115 60.9 55.7 83.5



#5
2-Fluorophenol
Concen: 142.281 ng
RT: 5.441 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion:112 Resp: 173234
Ion Ratio Lower Upper
112 100
64 60.2 51.8 77.6
63 37.1 30.6 45.8

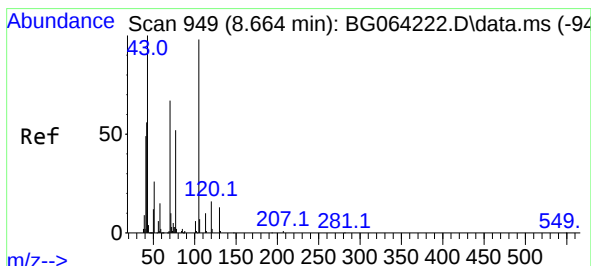
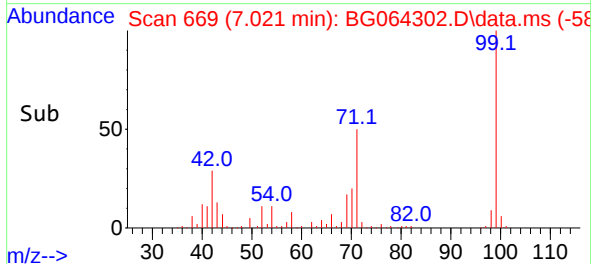
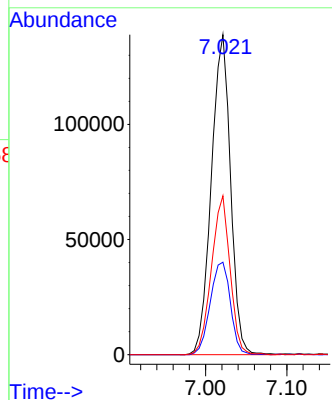
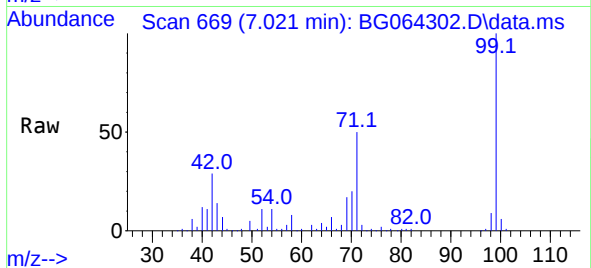




#7
Phenol-d6
Concen: 136.182 ng
RT: 7.021 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

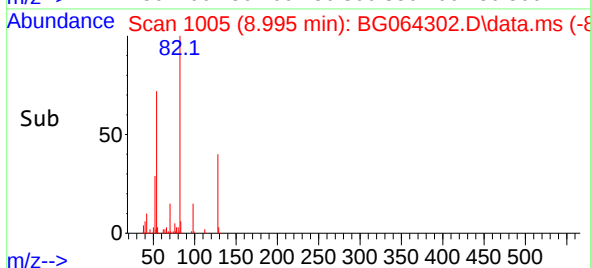
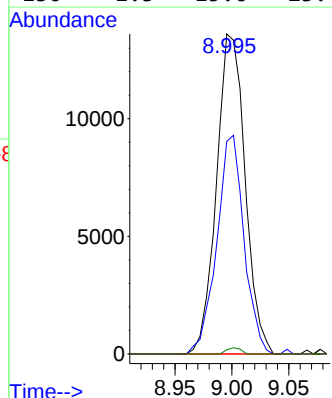
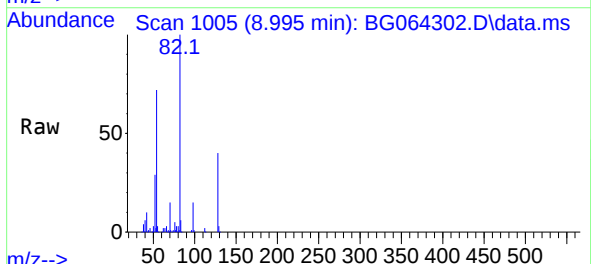
Instrument :
BNA_G
ClientSampleId :
PB169566BL

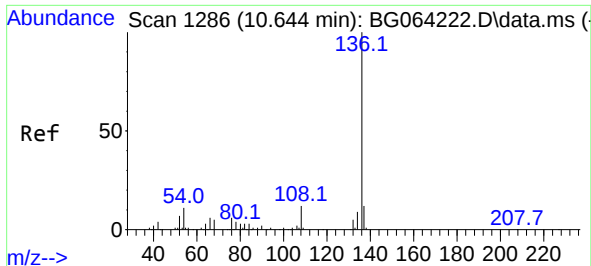
Tgt Ion: 99 Resp: 227793
Ion Ratio Lower Upper
99 100
42 28.9 25.8 38.8
71 49.6 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.594 ng
RT: 8.995 min Scan# 1005
Delta R.T. 0.331 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion: 70 Resp: 23804
Ion Ratio Lower Upper
70 100
42 66.4 67.9 101.9#
101 0.0 7.3 10.9#
130 1.3 15.6 23.4#

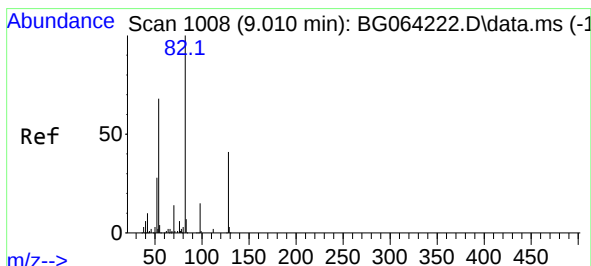
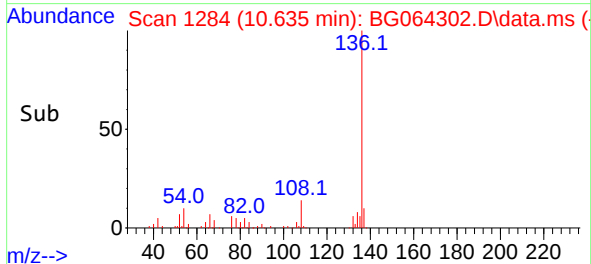
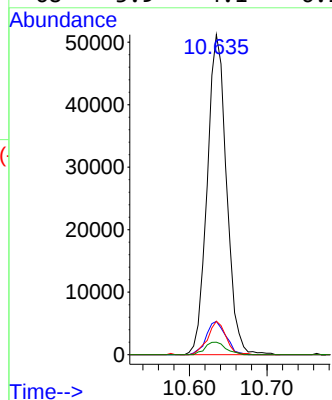
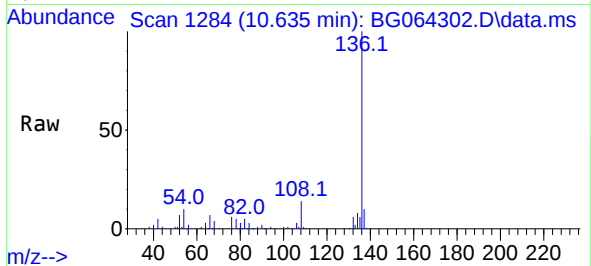




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.635 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

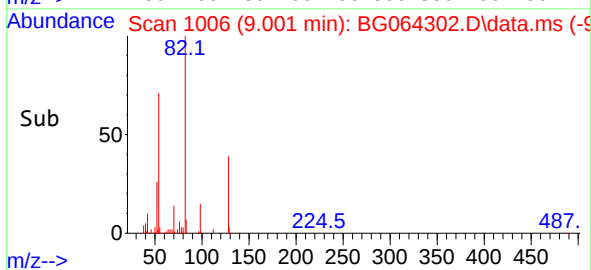
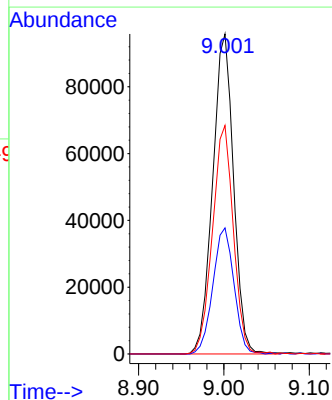
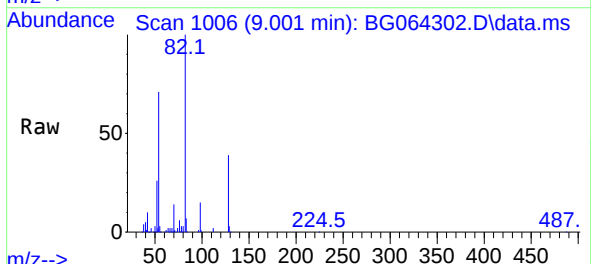
Instrument :
BNA_G
ClientSampleId :
PB169566BL

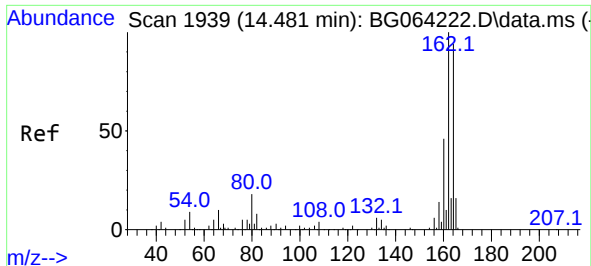
Tgt Ion:	136	Resp:	88744
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.6	14.4
54	10.5	8.8	13.2
68	3.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 102.657 ng
RT: 9.001 min Scan# 1006
Delta R.T. -0.015 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion:	82	Resp:	163352
Ion	Ratio	Lower	Upper
82	100		
128	39.4	32.6	48.8
54	71.4	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: BG064302.D

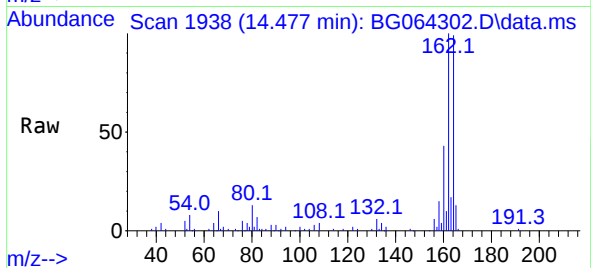
Acq: 8 Sep 2025 11:12

Instrument :

BNA_G

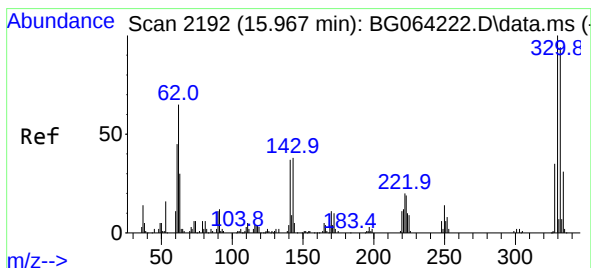
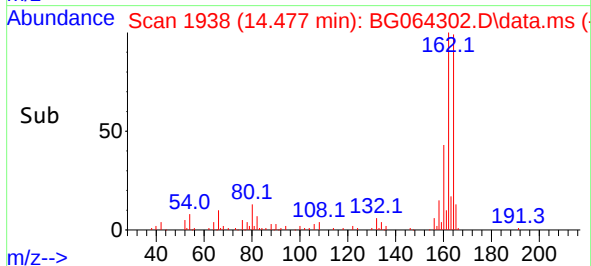
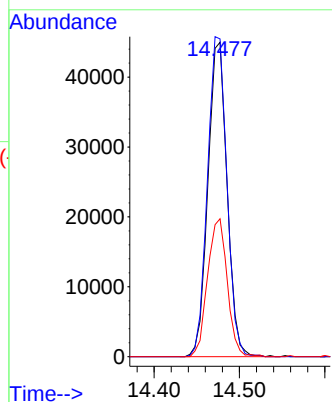
ClientSampleId :

PB169566BL



Tgt Ion:164 Resp: 70127

Ion	Ratio	Lower	Upper
164	100		
162	101.1	85.4	128.0
160	43.9	39.2	58.8



#42

2,4,6-Tribromophenol

Concen: 168.174 ng

RT: 15.964 min Scan# 2191

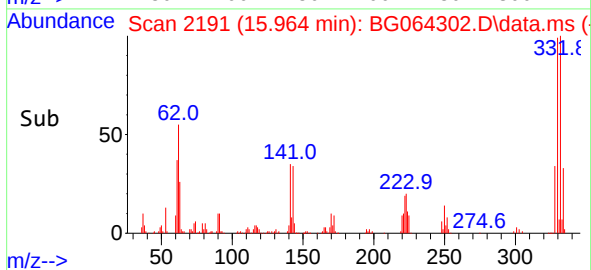
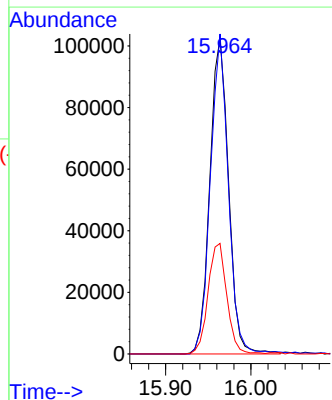
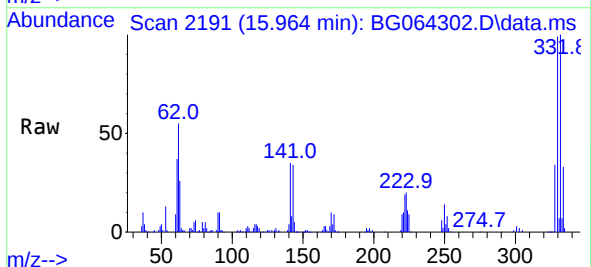
Delta R.T. -0.009 min

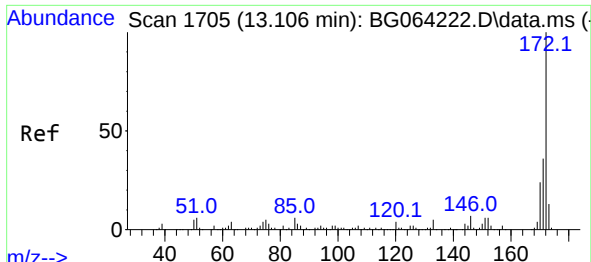
Lab File: BG064302.D

Acq: 8 Sep 2025 11:12

Tgt Ion:330 Resp: 156211

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	35.1	29.8	44.6

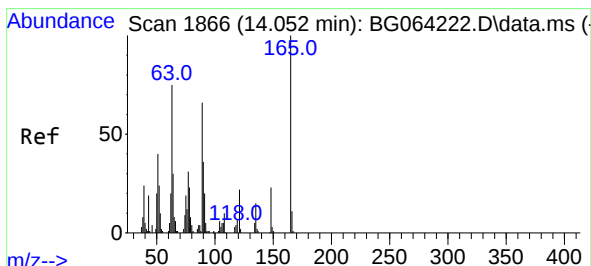
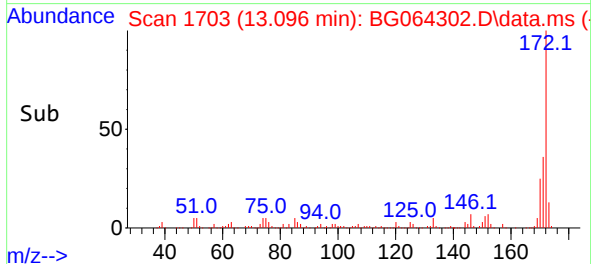
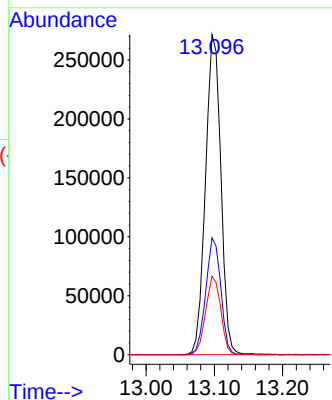
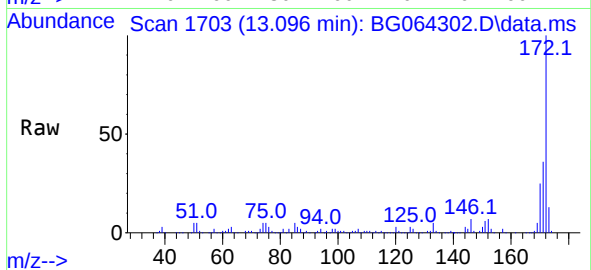




#45
2-Fluorobiphenyl
Concen: 92.621 ng
RT: 13.096 min Scan# 1
Delta R.T. -0.015 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

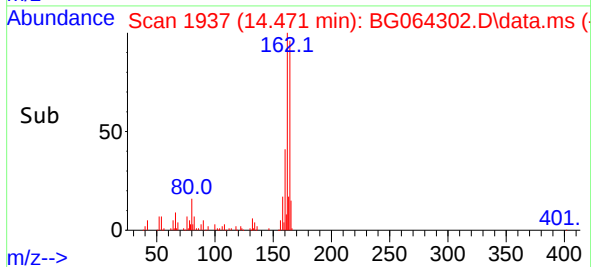
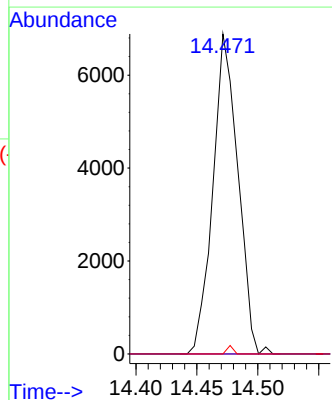
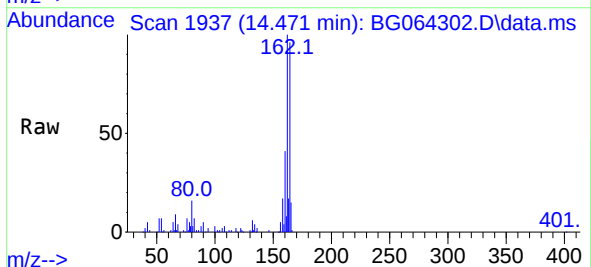
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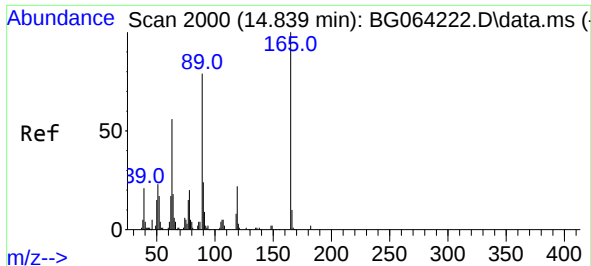
Tgt Ion:172 Resp: 425539
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.582 ng
RT: 14.471 min Scan# 1937
Delta R.T. 0.414 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion:165 Resp: 9846
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#

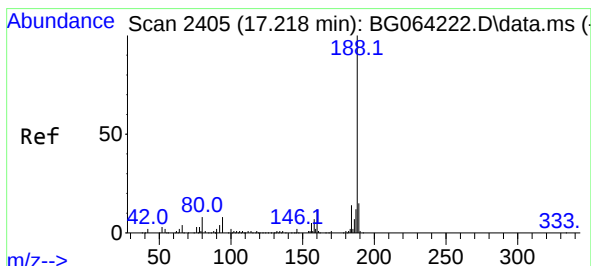
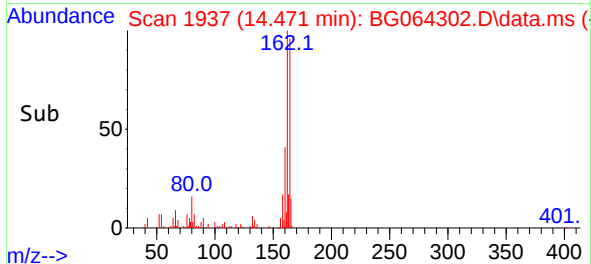
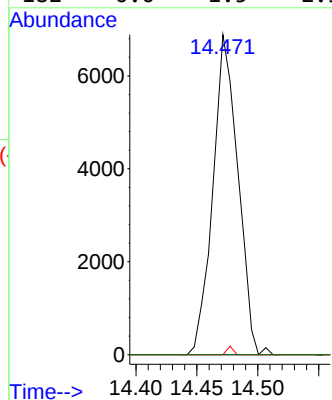
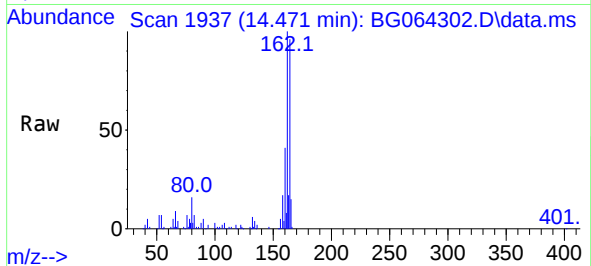




#57
2,4-Dinitrotoluene
Concen: 6.337 ng
RT: 14.471 min Scan# 1937
Delta R.T. -0.374 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

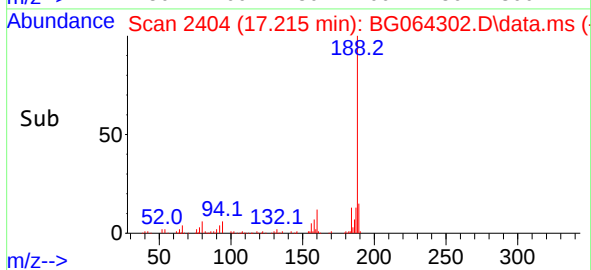
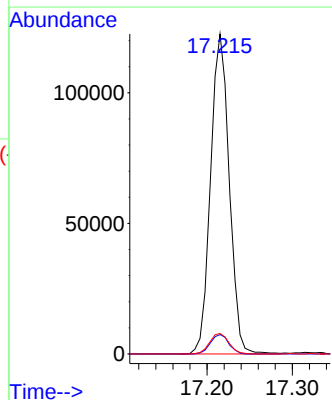
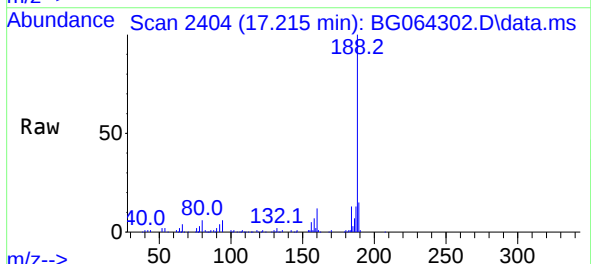
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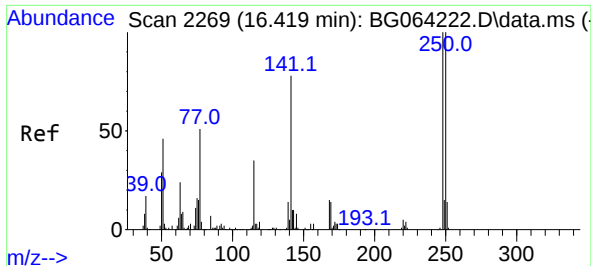
Tgt Ion:165 Resp: 9846
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2404
Delta R.T. -0.009 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

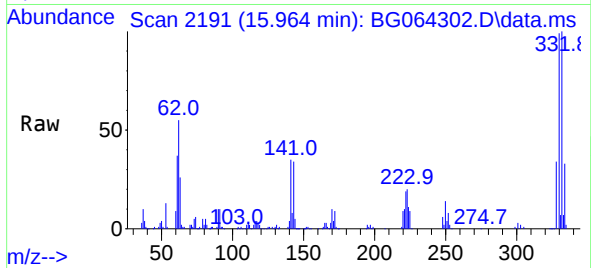
Tgt Ion:188 Resp: 186655
Ion Ratio Lower Upper
188 100
94 6.1 6.2 9.4#
80 6.4 6.8 10.2#



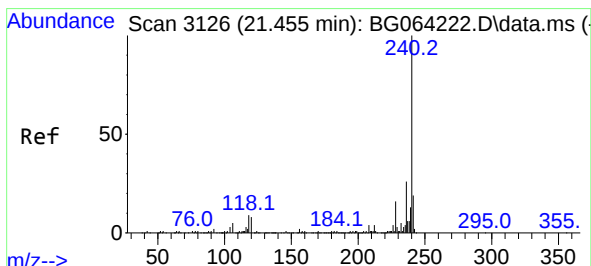
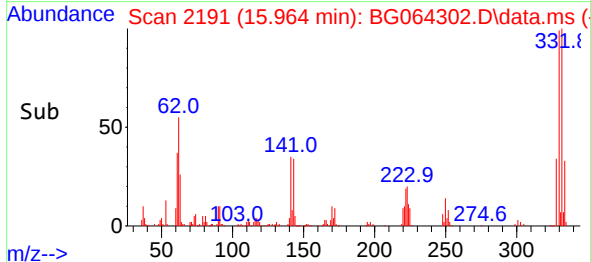
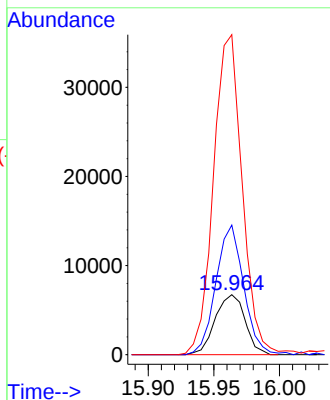


#67
4-Bromophenyl-phenylether
Concen: 5.380 ng
RT: 15.964 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Instrument :
BNA_G
ClientSampleId :
PB169566BL

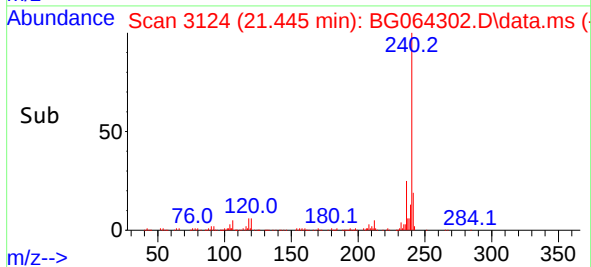
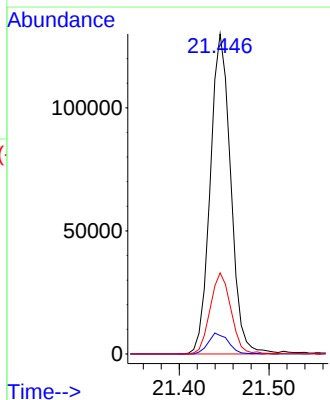
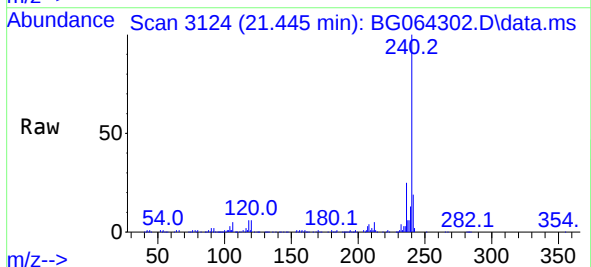


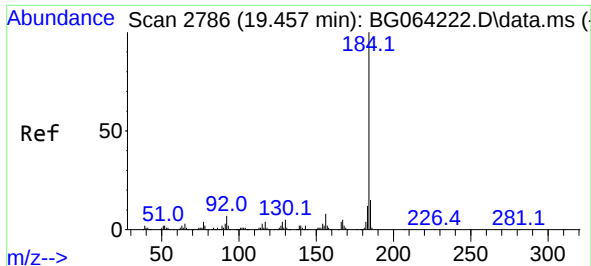
Tgt Ion:248 Resp: 10666
Ion Ratio Lower Upper
248 100
250 216.0 80.2 120.4#
141 533.3 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.009 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion:240 Resp: 205964
Ion Ratio Lower Upper
240 100
120 5.8 6.2 9.4#
236 25.3 20.5 30.7

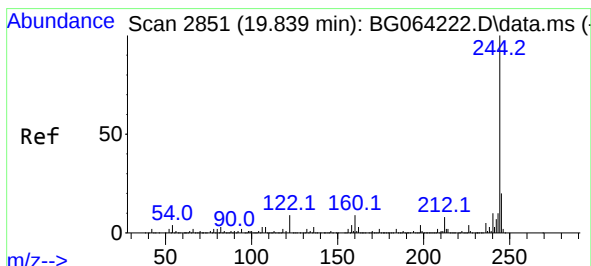
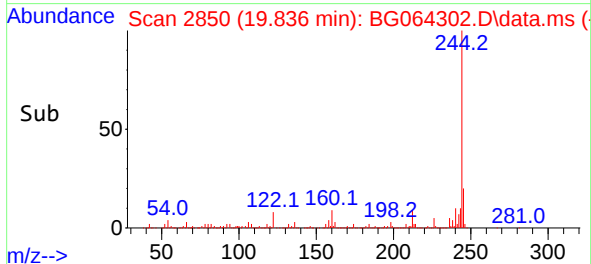
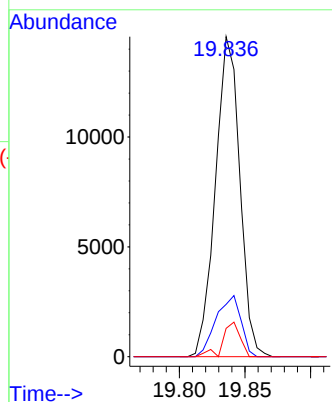
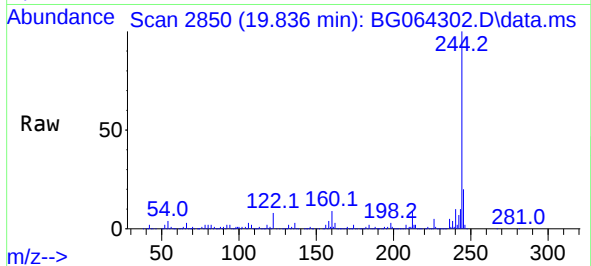




#77
Benzidine
Concen: 4.332 ng
RT: 19.836 min Scan# 2850
Delta R.T. 0.378 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

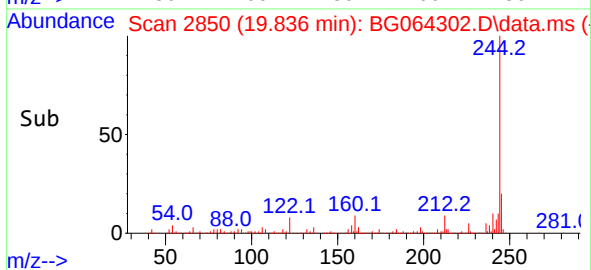
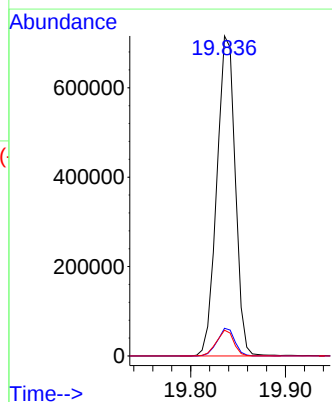
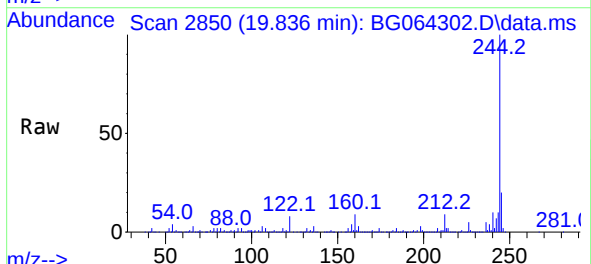
Instrument :
BNA_G
ClientSampleId :
PB169566BL

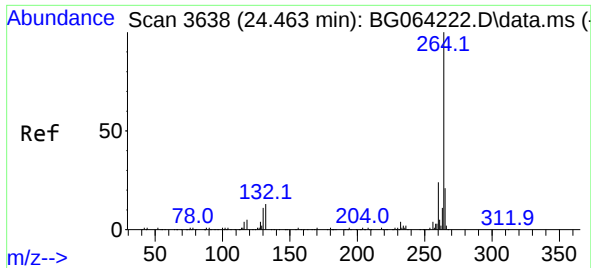
Tgt Ion:184 Resp: 18770
Ion Ratio Lower Upper
184 100
185 16.3 11.7 17.5
183 8.8 9.7 14.5#



#79
Terphenyl-d14
Concen: 97.833 ng
RT: 19.836 min Scan# 2850
Delta R.T. -0.009 min
Lab File: BG064302.D
Acq: 8 Sep 2025 11:12

Tgt Ion:244 Resp: 965803
Ion Ratio Lower Upper
244 100
212 8.7 6.6 10.0
122 8.1 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.454 min Scan# 30
 Delta R.T. -0.009 min
 Lab File: BG064302.D
 Acq: 8 Sep 2025 11:12

Instrument :
 BNA_G
 ClientSampleId :
 PB169566BL

Tgt Ion:264 Resp: 225743

Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.9	28.3
265	20.1	16.7	25.1

