

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064431.D
 Acq On : 23 Sep 2025 1:49
 Operator : RC/JU
 Sample : Q3135-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 23 02:25:37 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)

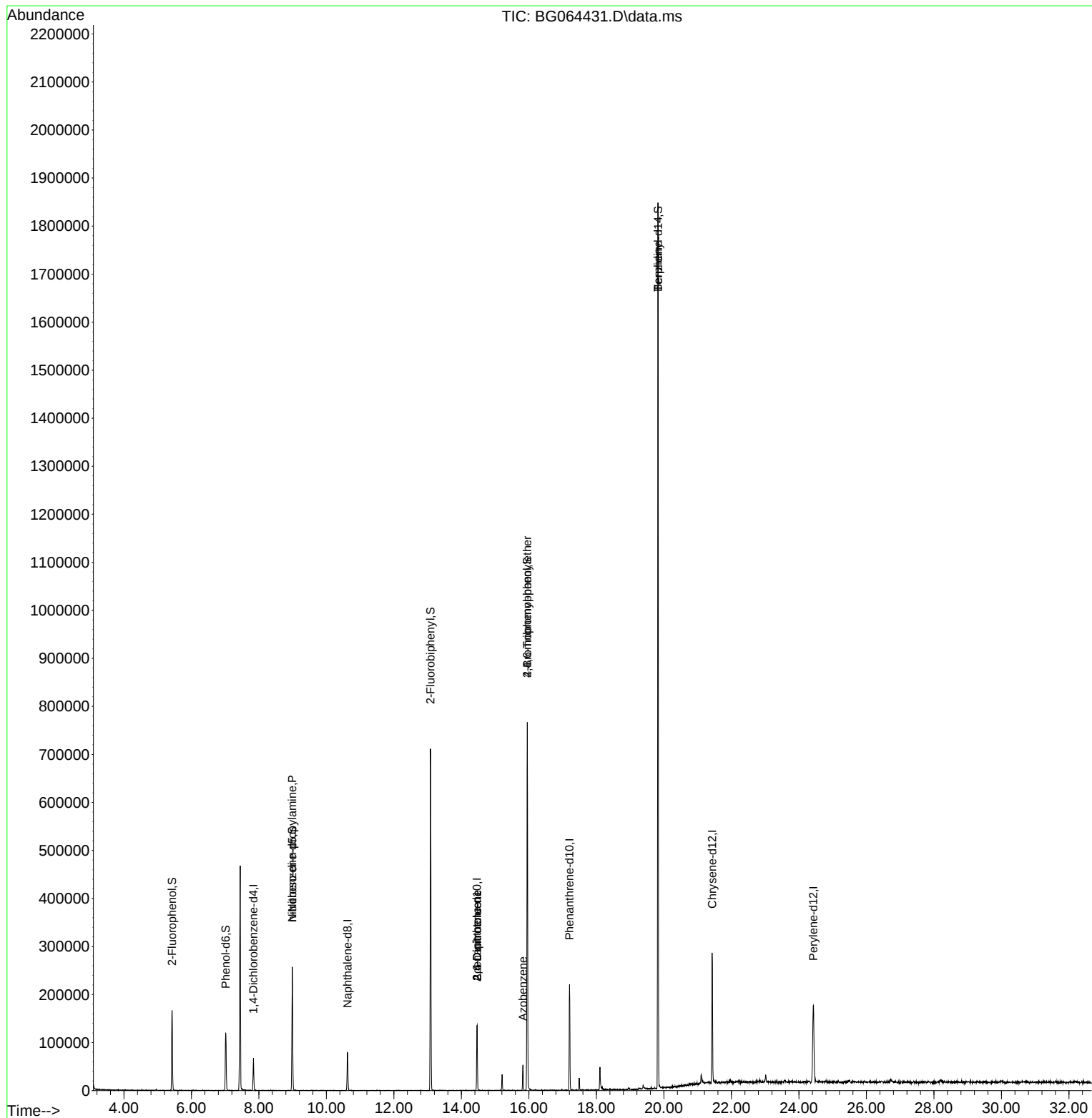
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.838	152	15081	20.000	ng	-0.02
21) Naphthalene-d8	10.622	136	62384	20.000	ng	#-0.03
39) Acenaphthene-d10	14.459	164	49716	20.000	ng	-0.02
64) Phenanthrene-d10	17.203	188	133565	20.000	ng	#-0.02
76) Chrysene-d12	21.427	240	155252	20.000	ng	-0.03
86) Perylene-d12	24.430	264	171528	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.429	112	63235	75.227	ng	-0.02
7) Phenol-d6	7.015	99	61054	52.868	ng	-0.02
23) Nitrobenzene-d5	8.989	82	127056	113.586	ng	-0.03
42) 2,4,6-Tribromophenol	15.952	330	143720	218.250	ng	-0.02
45) 2-Fluorobiphenyl	13.084	172	349097	107.178	ng	-0.03
79) Terphenyl-d14	19.823	244	842991	113.285	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.989	70	19123	21.637	ng	# 74
51) 2,6-Dinitrotoluene	14.465	165	6810	9.348	ng	# 14
57) 2,4-Dinitrotoluene	14.465	165	6810	6.182	ng	# 17
63) Azobenzene	15.822	77	14562	4.057	ng	# 1
67) 4-Bromophenyl-phenylether	15.952	248	10167	7.167	ng	# 1
77) Benzidine	19.823	184	17045	5.219	ng	# 92

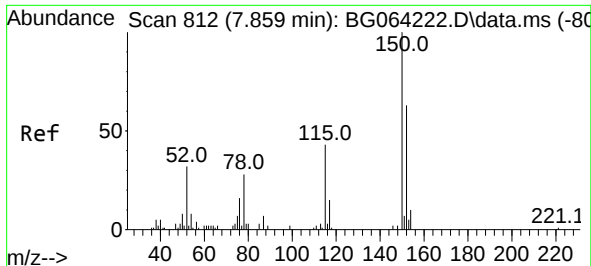
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
Data File : BG064431.D
Acq On : 23 Sep 2025 1:49
Operator : RC/JU
Sample : Q3135-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 23 02:25:37 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

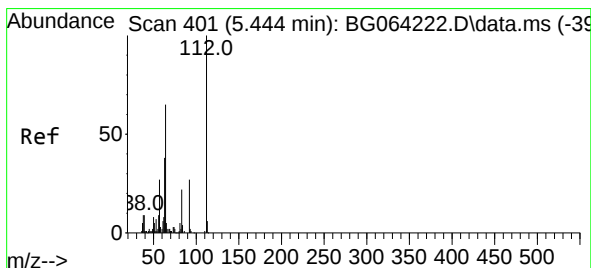
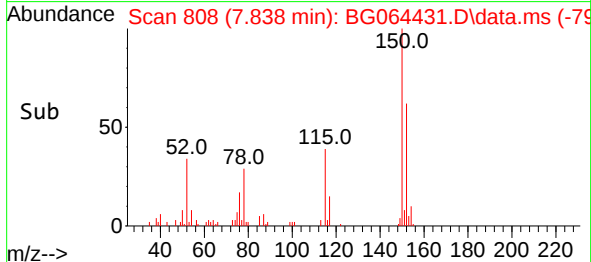
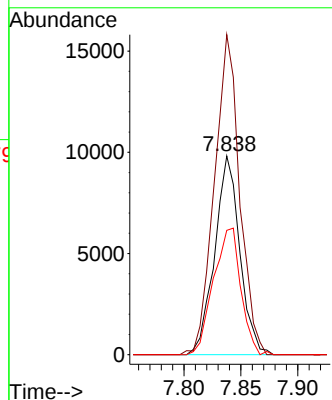
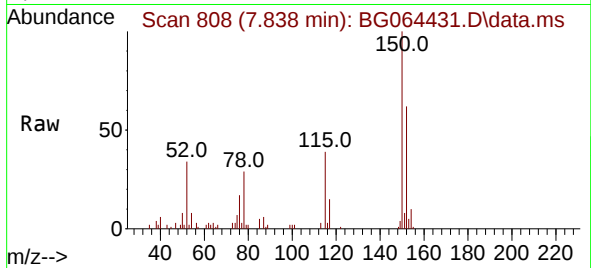




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.838 min Scan# 80
Delta R.T. -0.021 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

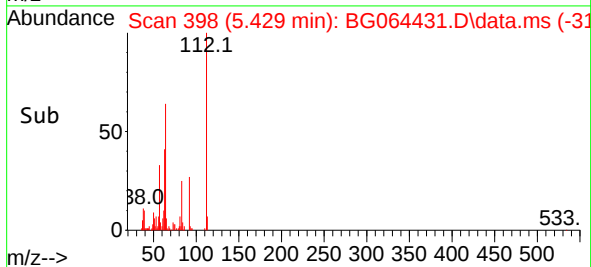
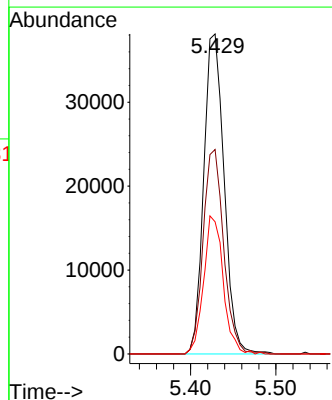
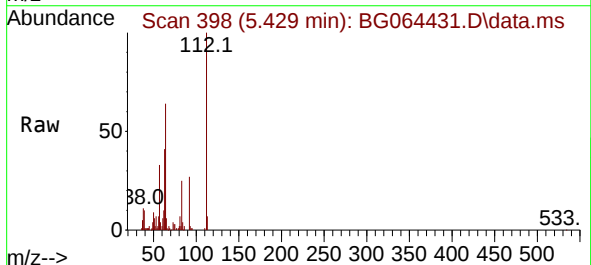
Instrument :
BNA_G
ClientSampleId :

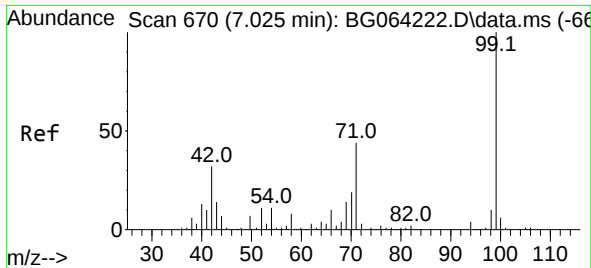
Tgt Ion:152 Resp: 15081
Ion Ratio Lower Upper
152 100
150 161.0 128.0 192.0
115 62.5 55.7 83.5



#5
2-Fluorophenol
Concen: 75.227 ng
RT: 5.429 min Scan# 398
Delta R.T. -0.016 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

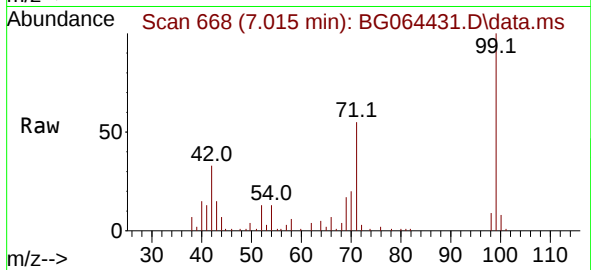
Tgt Ion:112 Resp: 63235
Ion Ratio Lower Upper
112 100
64 63.9 51.8 77.6
63 41.3 30.6 45.8



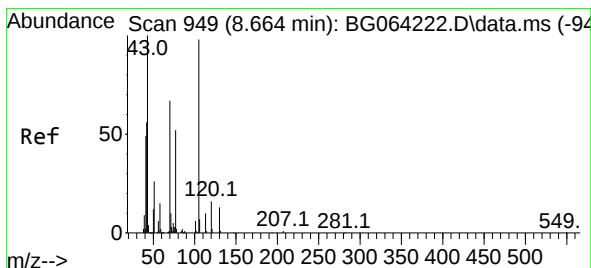
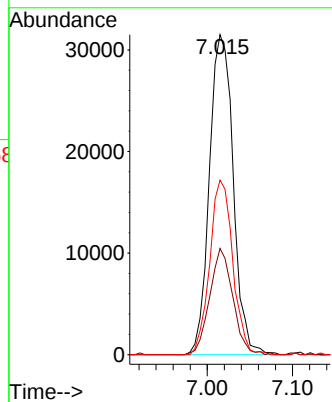
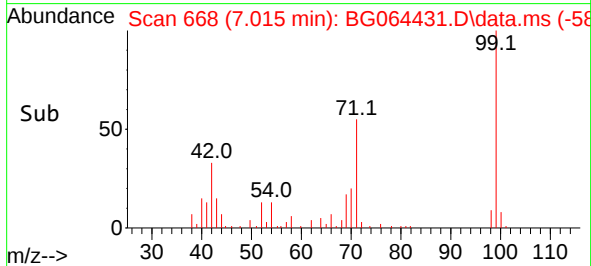


#7
Phenol-d6
Concen: 52.868 ng
RT: 7.015 min Scan# 61
Delta R.T. -0.016 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

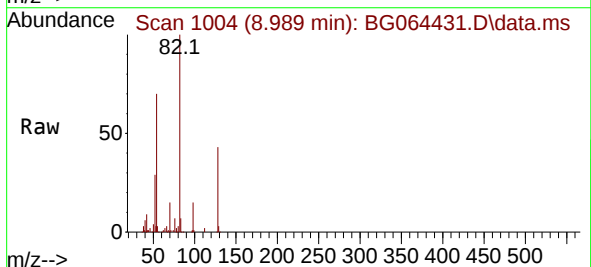
Instrument :
BNA_G
ClientSampleId :



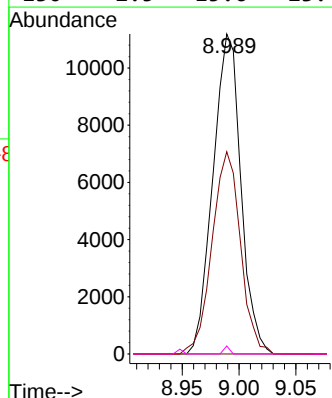
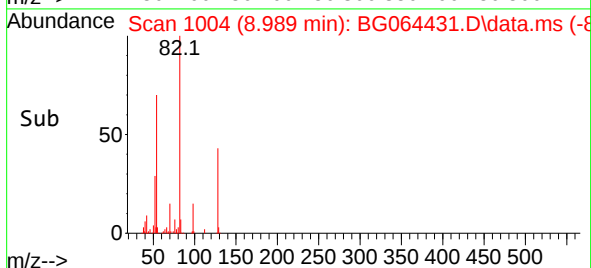
Tgt Ion: 99 Resp: 61054
Ion Ratio Lower Upper
99 100
42 33.2 25.8 38.8
71 54.5 35.2 52.8#

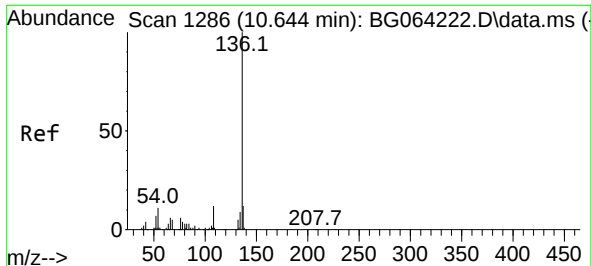


#19
n-Nitroso-di-n-propylamine
Concen: 21.637 ng
RT: 8.989 min Scan# 1004
Delta R.T. 0.325 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49



Tgt Ion: 70 Resp: 19123
Ion Ratio Lower Upper
70 100
42 63.2 67.9 101.9#
101 0.0 7.3 10.9#
130 2.5 15.6 23.4#

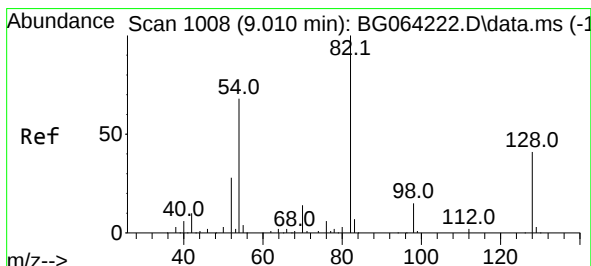
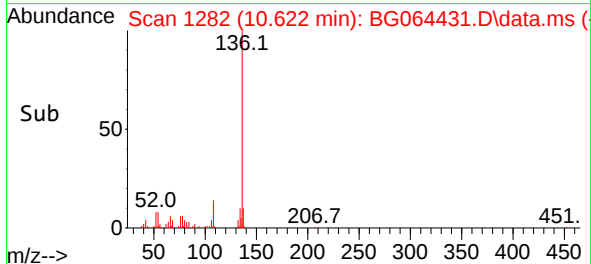
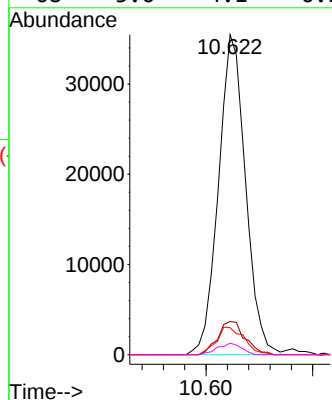
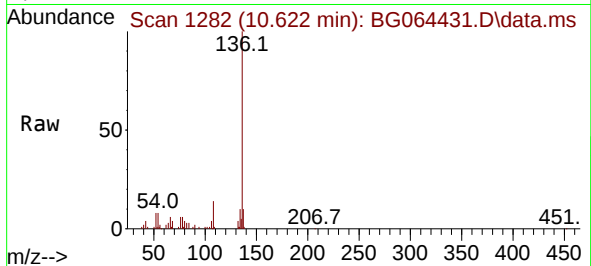




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.027 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

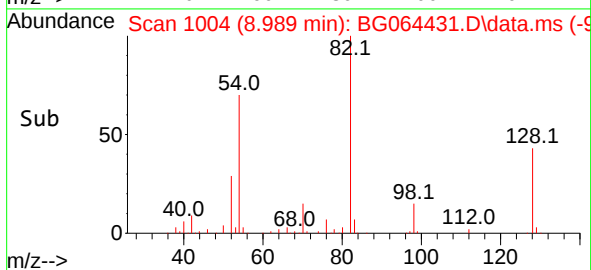
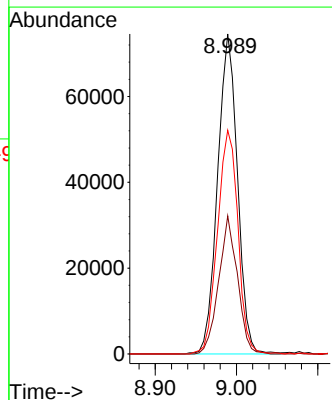
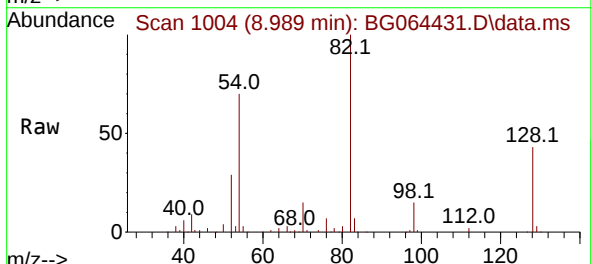
Instrument :
BNA_G
ClientSampleId :

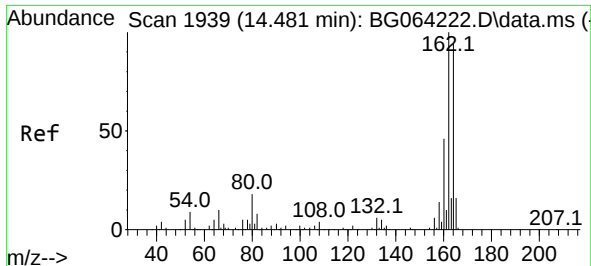
Tgt Ion:136 Resp: 62384
Ion Ratio Lower Upper
136 100
137 10.3 9.6 14.4
54 8.4 8.8 13.2#
68 3.6 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 113.586 ng
RT: 8.989 min Scan# 1004
Delta R.T. -0.027 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

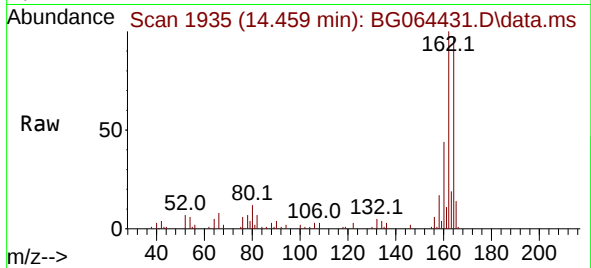
Tgt Ion: 82 Resp: 127056
Ion Ratio Lower Upper
82 100
128 43.2 32.6 48.8
54 69.9 54.7 82.1



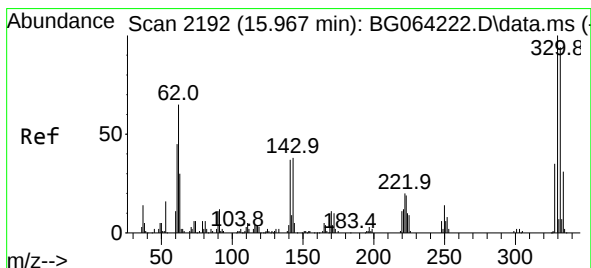
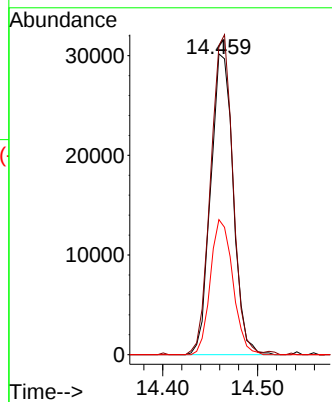
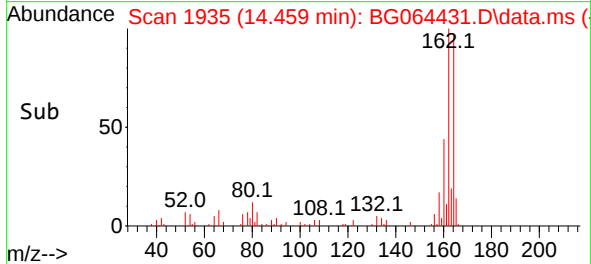


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.022 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

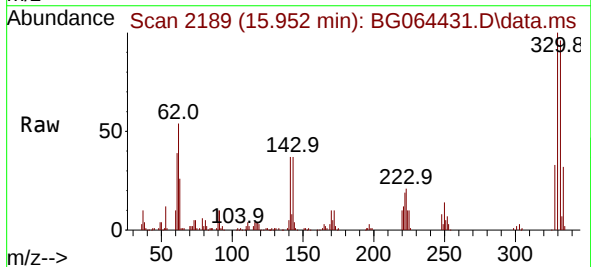
Instrument :
BNA_G
ClientSampleId :



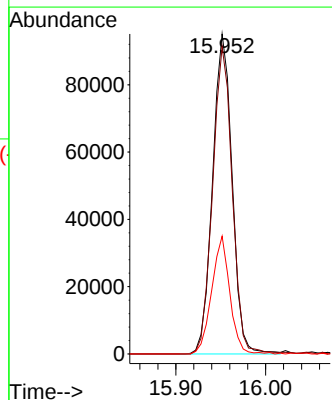
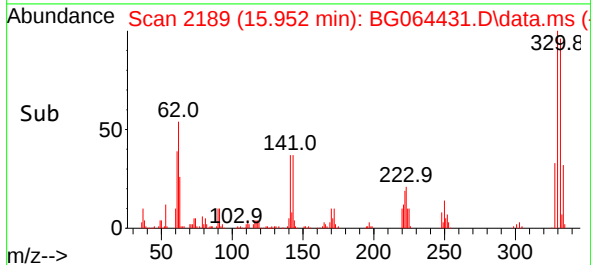
Tgt Ion:164 Resp: 49716
Ion Ratio Lower Upper
164 100
162 102.7 85.4 128.0
160 44.9 39.2 58.8

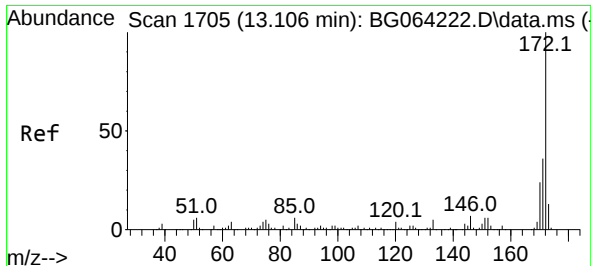


#42
2,4,6-Tribromophenol
Concen: 218.250 ng
RT: 15.952 min Scan# 2189
Delta R.T. -0.022 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49



Tgt Ion:330 Resp: 143720
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 34.2 29.8 44.6

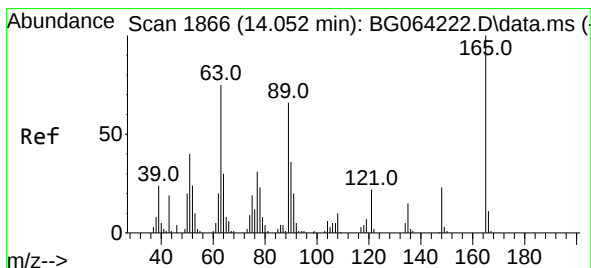
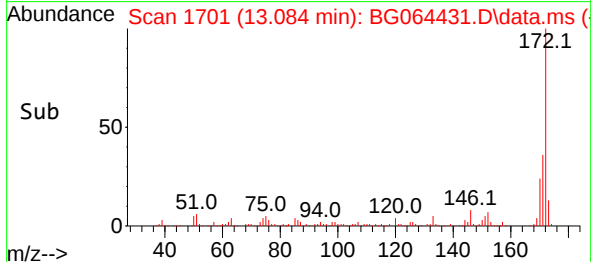
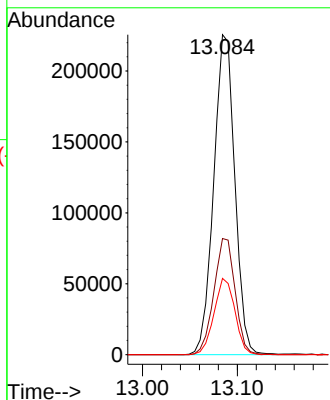
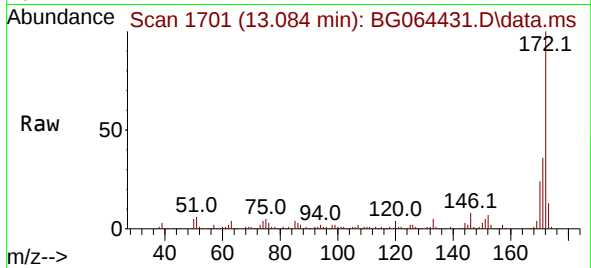




#45
2-Fluorobiphenyl
Concen: 107.178 ng
RT: 13.084 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

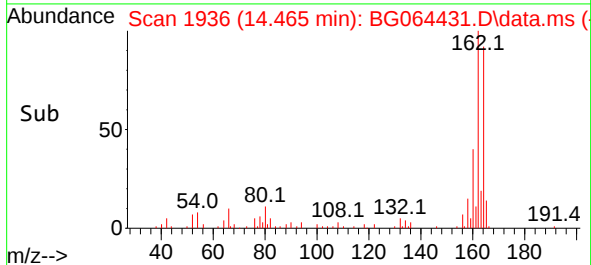
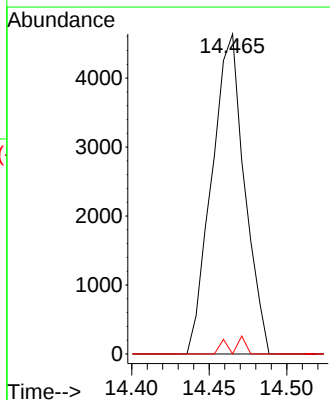
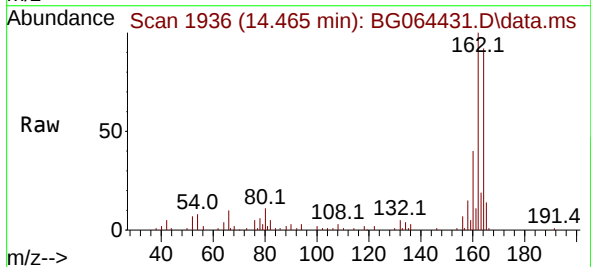
Instrument :
BNA_G
ClientSampleId :

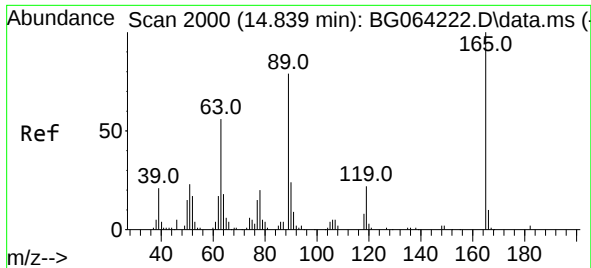
Tgt Ion:172 Resp: 349097
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.348 ng
RT: 14.465 min Scan# 1936
Delta R.T. 0.407 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

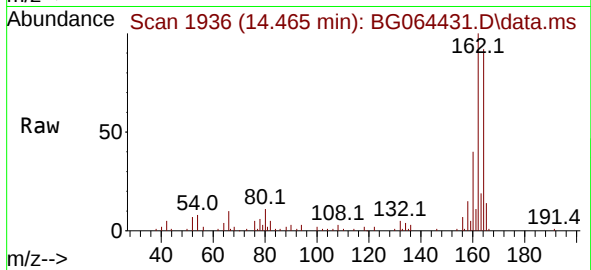
Tgt Ion:165 Resp: 6810
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



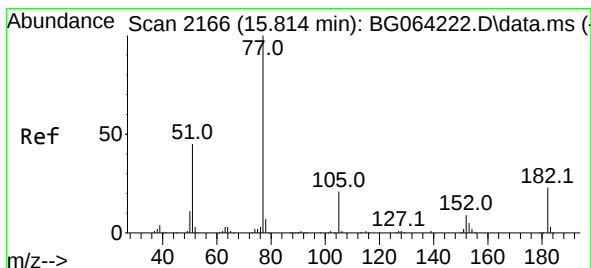
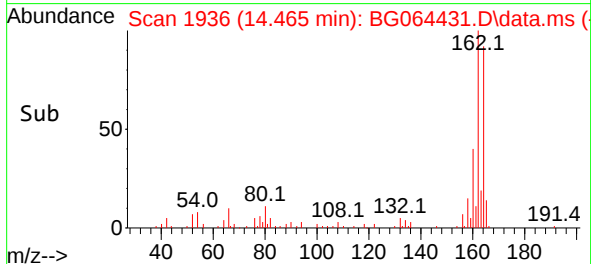
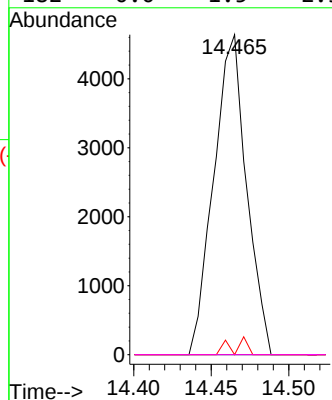


#57
2,4-Dinitrotoluene
Concen: 6.182 ng
RT: 14.465 min Scan# 1936
Delta R.T. -0.380 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

Instrument :
BNA_G
ClientSampleId :

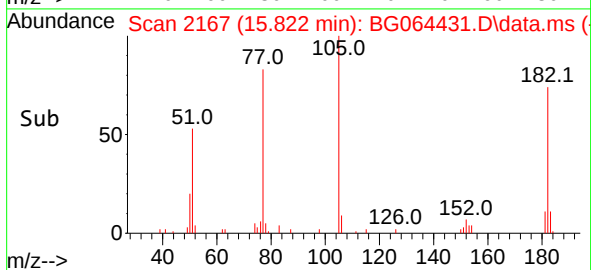
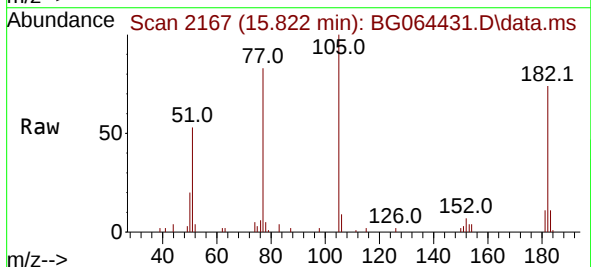
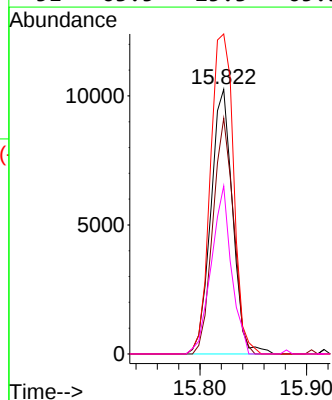


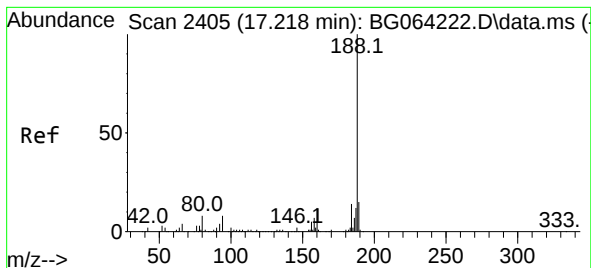
Tgt Ion:165 Resp: 6810
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#63
Azobenzene
Concen: 4.057 ng
RT: 15.822 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

Tgt Ion: 77 Resp: 14562
Ion Ratio Lower Upper
77 100
182 89.0 3.3 43.3#
105 120.9 0.6 40.6#
51 63.5 25.3 65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.203 min Scan# 2405

Delta R.T. -0.022 min

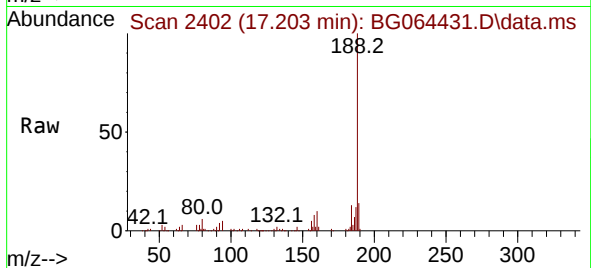
Lab File: BG064431.D

Acq: 23 Sep 2025 1:49

Instrument :

BNA_G

ClientSampleId :



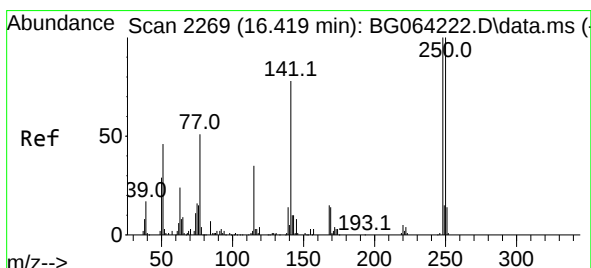
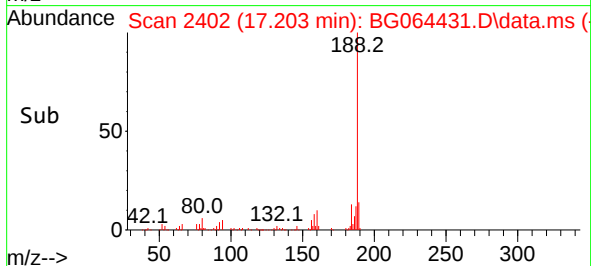
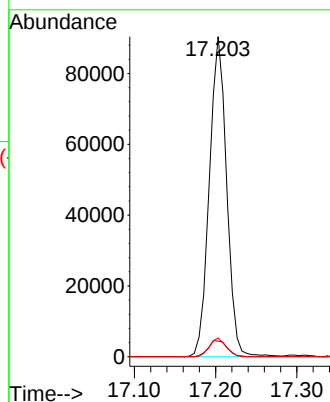
Tgt Ion:188 Resp: 133565

Ion Ratio Lower Upper

188 100

94 4.9 6.2 9.4#

80 5.8 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 7.167 ng

RT: 15.952 min Scan# 2189

Delta R.T. -0.468 min

Lab File: BG064431.D

Acq: 23 Sep 2025 1:49

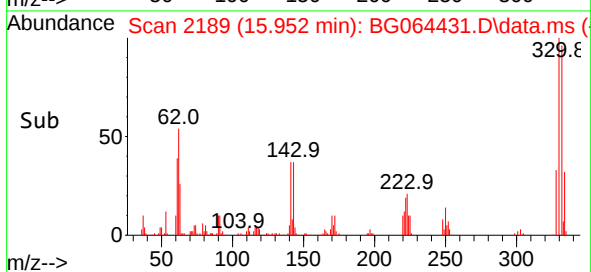
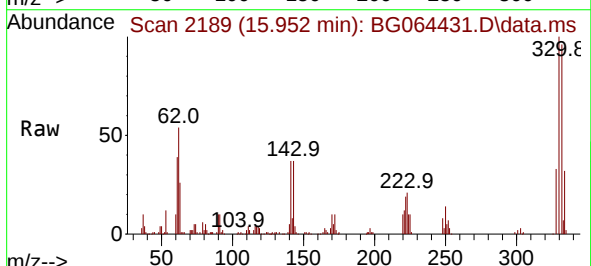
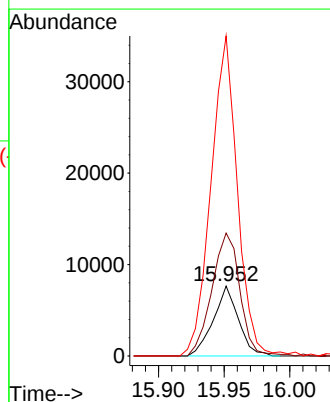
Tgt Ion:248 Resp: 10167

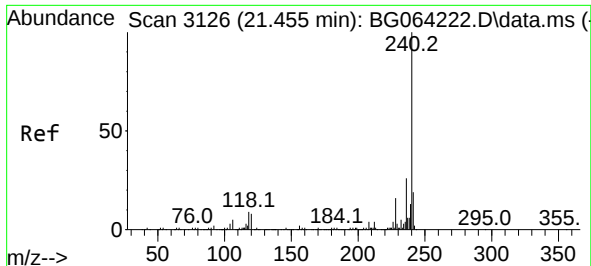
Ion Ratio Lower Upper

248 100

250 175.6 80.2 120.4#

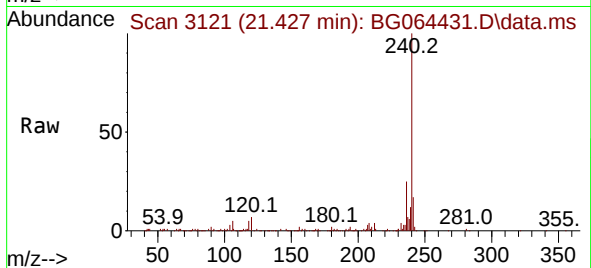
141 457.3 62.4 93.6#



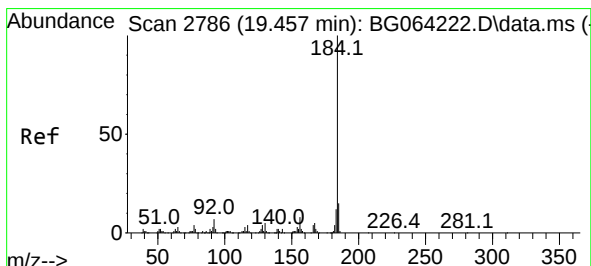
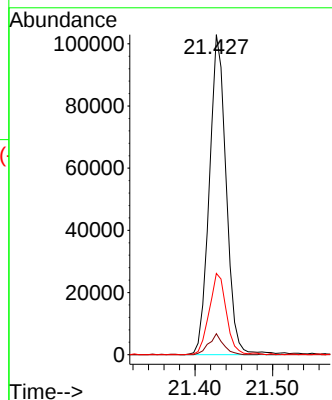
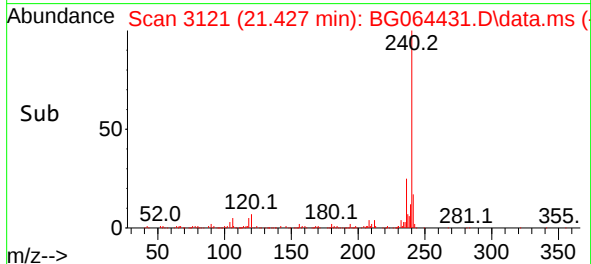


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.027 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49

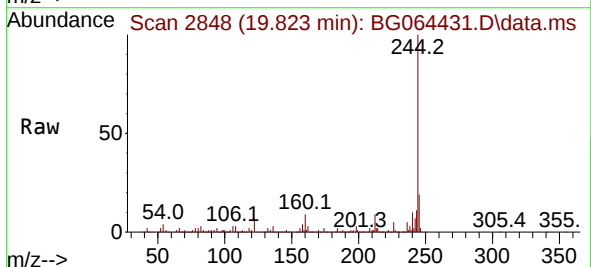
Instrument :
BNA_G
ClientSampleId :



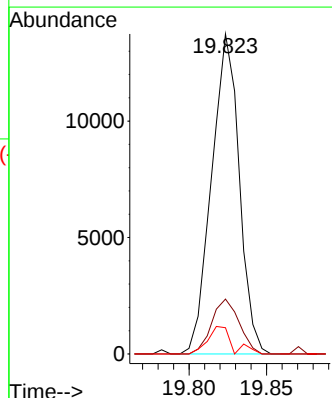
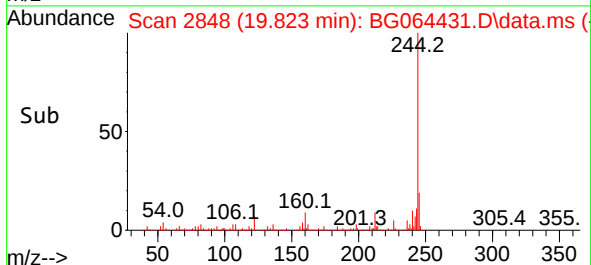
Tgt Ion:240 Resp: 155252
Ion Ratio Lower Upper
240 100
120 6.5 6.2 9.4
236 25.4 20.5 30.7

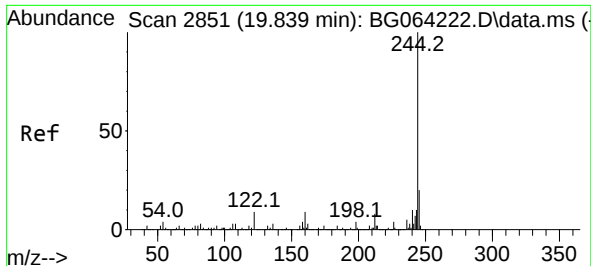


#77
Benzidine
Concen: 5.219 ng
RT: 19.823 min Scan# 2848
Delta R.T. 0.366 min
Lab File: BG064431.D
Acq: 23 Sep 2025 1:49



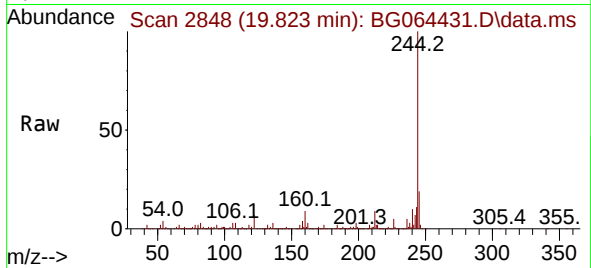
Tgt Ion:184 Resp: 17045
Ion Ratio Lower Upper
184 100
185 17.2 11.7 17.5
183 8.2 9.7 14.5#



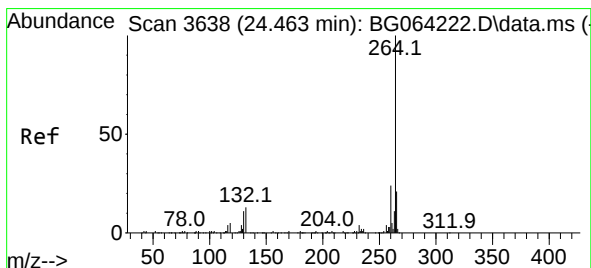
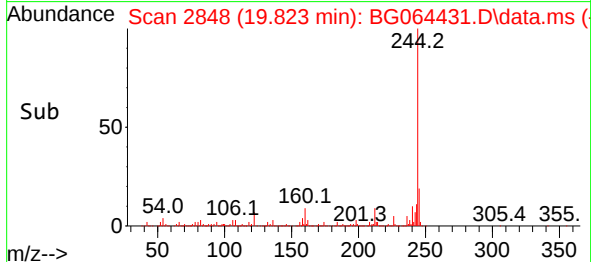
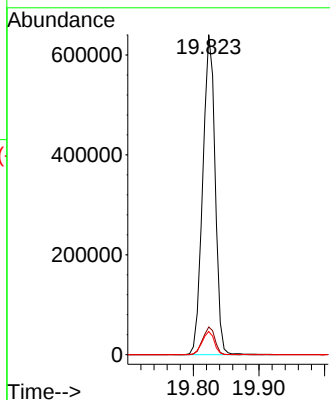


#79
 Terphenyl-d14
 Concen: 113.285 ng
 RT: 19.823 min Scan# 21
 Delta R.T. -0.022 min
 Lab File: BG064431.D
 Acq: 23 Sep 2025 1:49

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:244 Resp: 842991
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 10.0
 122 7.3 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.430 min Scan# 3632
 Delta R.T. -0.033 min
 Lab File: BG064431.D
 Acq: 23 Sep 2025 1:49

Tgt Ion:264 Resp: 171528
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.9 28.3
 265 19.2 16.7 25.1

