

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
 Data File : BG064460.D
 Acq On : 29 Sep 2025 15:12
 Operator : RC/JU
 Sample : Q3183-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Sep 29 18:13:28 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)

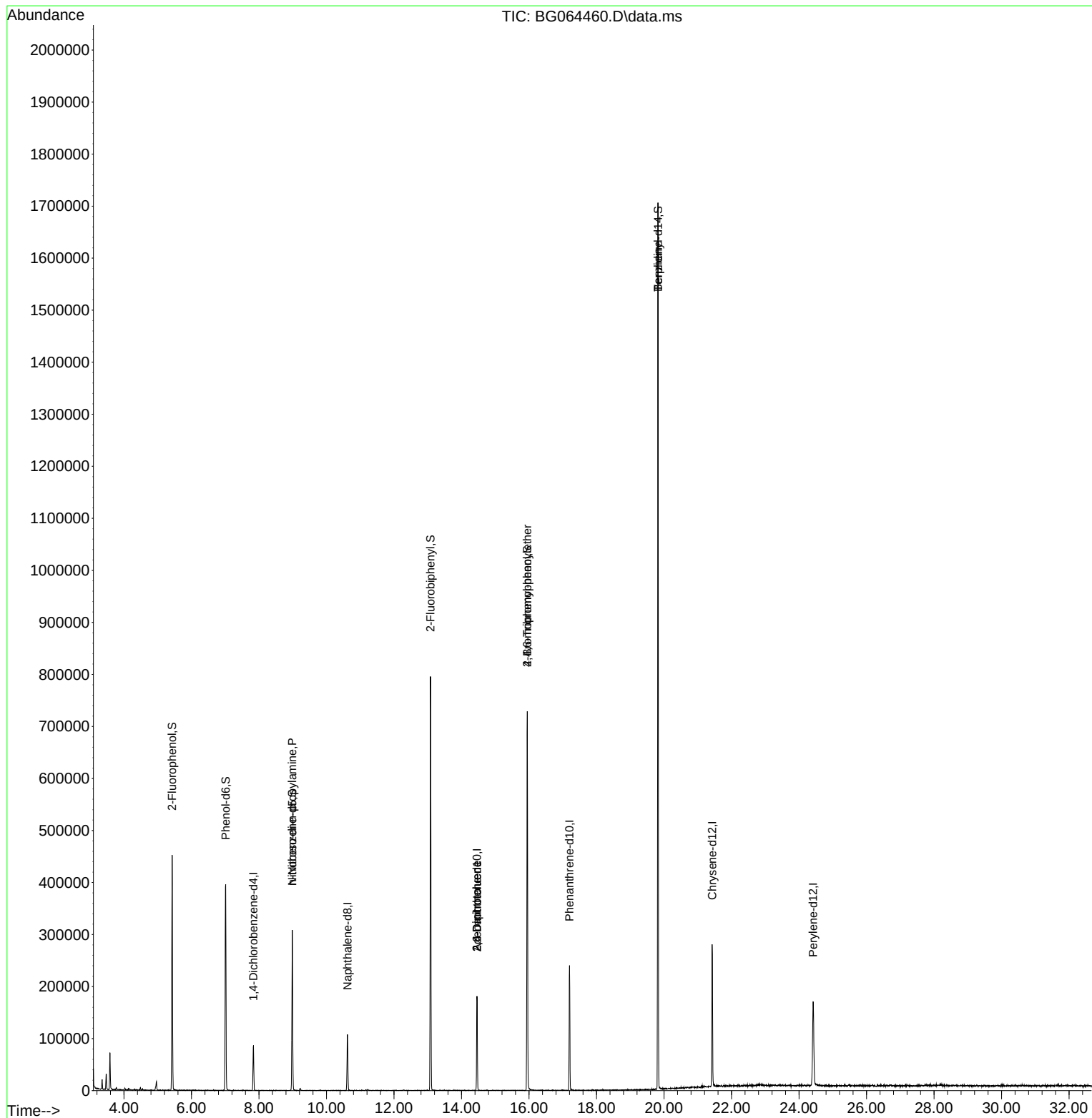
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.835	152	21344	20.000	ng	0.00
21) Naphthalene-d8	10.620	136	88951	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	64341	20.000	ng	0.00
64) Phenanthrene-d10	17.200	188	146695	20.000	ng	# 0.00
76) Chrysene-d12	21.425	240	159288	20.000	ng	0.00
86) Perylene-d12	24.415	264	176029	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.426	112	157843	141.319	ng	0.00
7) Phenol-d6	7.012	99	187762	122.705	ng	0.00
23) Nitrobenzene-d5	8.986	82	154286	94.001	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	151132	134.550	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	388749	89.219	ng	0.00
79) Terphenyl-d14	19.821	244	766455	94.854	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.986	70	23335	22.562	ng	# 79
51) 2,6-Dinitrotoluene	14.456	165	8788	8.512	ng	# 23
57) 2,4-Dinitrotoluene	14.456	165	8788	5.576	ng	# 21
67) 4-Bromophenyl-phenylether	15.949	248	10435	6.071	ng	# 1
77) Benzidine	19.821	184	14951	3.585	ng	96

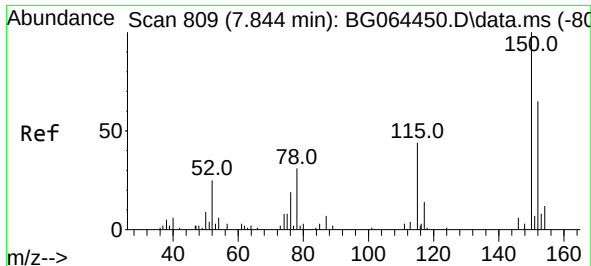
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
Data File : BG064460.D
Acq On : 29 Sep 2025 15:12
Operator : RC/JU
Sample : Q3183-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-4

Quant Time: Sep 29 18:13:28 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

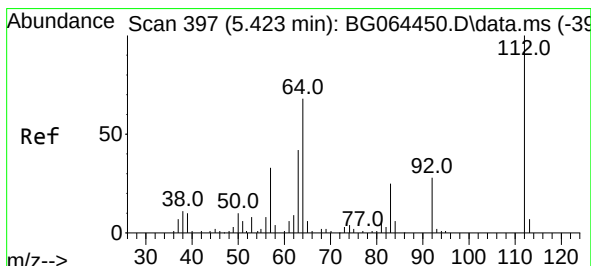
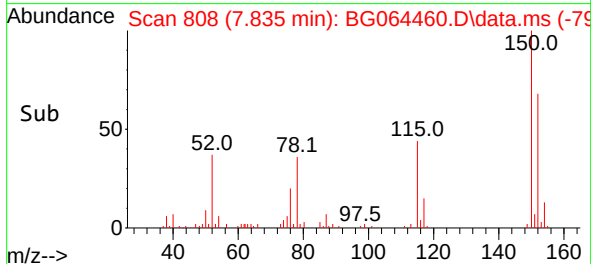
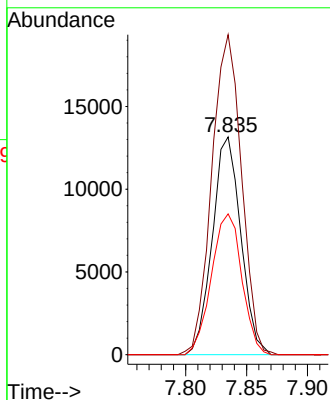
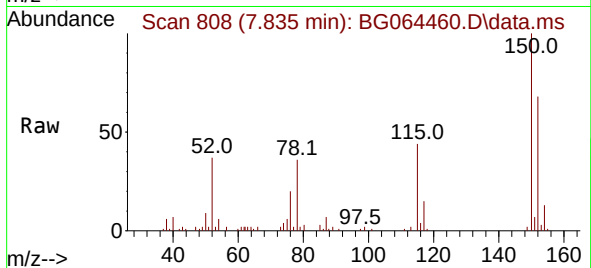




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.835 min Scan# 809
Delta R.T. -0.009 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

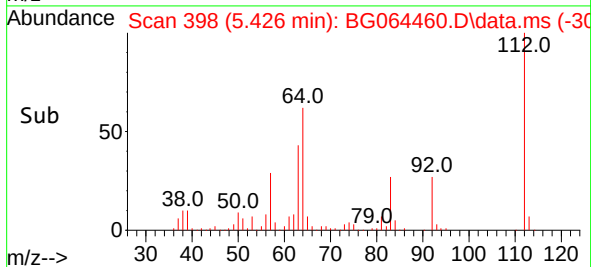
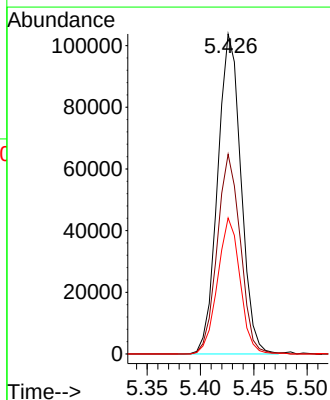
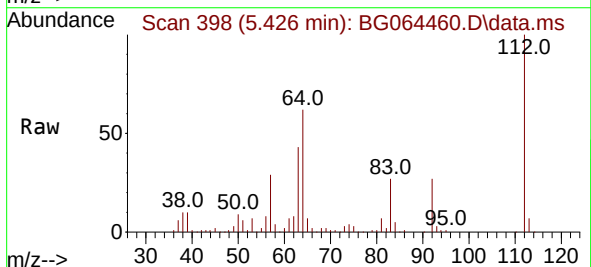
Instrument :
BNA_G
ClientSampleId :
WC-4

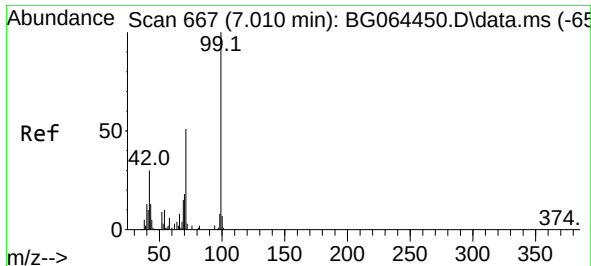
Tgt Ion:152 Resp: 21344
Ion Ratio Lower Upper
152 100
150 147.0 122.9 184.3
115 64.7 54.3 81.5



#5
2-Fluorophenol
Concen: 141.319 ng
RT: 5.426 min Scan# 398
Delta R.T. 0.003 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion:112 Resp: 157843
Ion Ratio Lower Upper
112 100
64 62.4 54.0 81.0
63 42.5 33.8 50.6

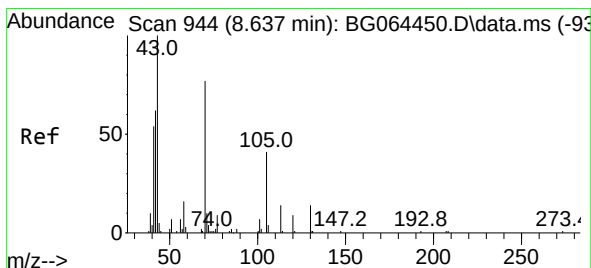
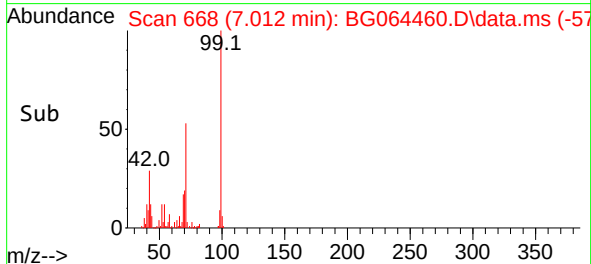
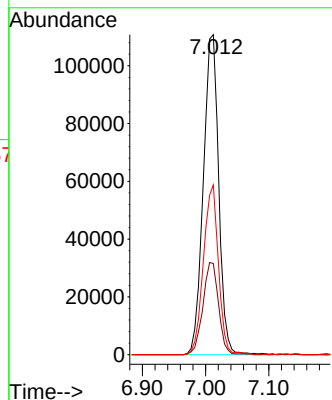
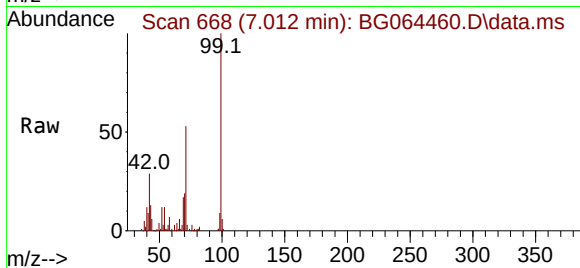




#7
Phenol-d6
Concen: 122.705 ng
RT: 7.012 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

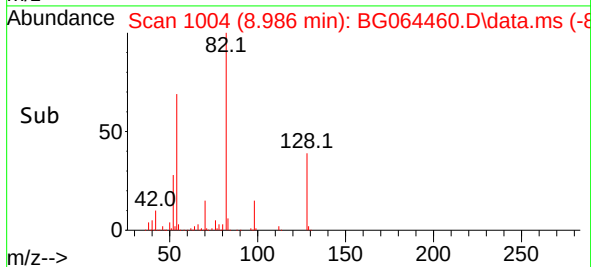
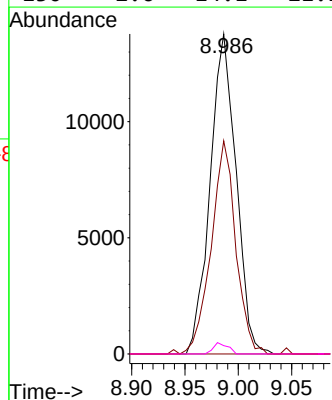
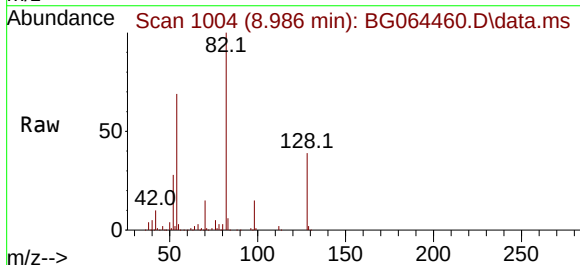
Instrument :
BNA_G
ClientSampleId :
WC-4

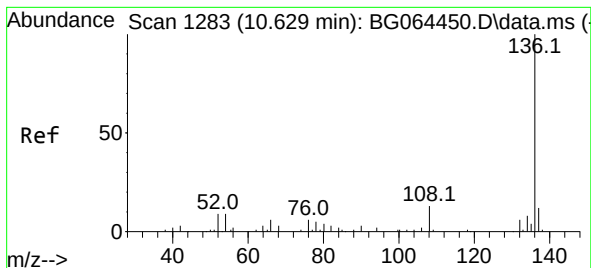
Tgt Ion: 99 Resp: 187762
Ion Ratio Lower Upper
99 100
42 28.5 24.0 36.0
71 53.1 40.5 60.7



#19
n-Nitroso-di-n-propylamine
Concen: 22.562 ng
RT: 8.986 min Scan# 1004
Delta R.T. 0.349 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion: 70 Resp: 23335
Ion Ratio Lower Upper
70 100
42 66.6 65.6 98.4
101 0.0 7.7 11.5#
130 2.6 14.1 21.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.620 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064460.D

Acq: 29 Sep 2025 15:12

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 88951

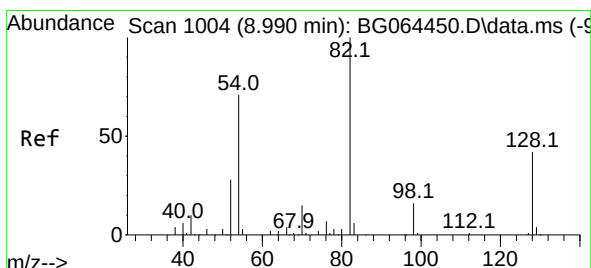
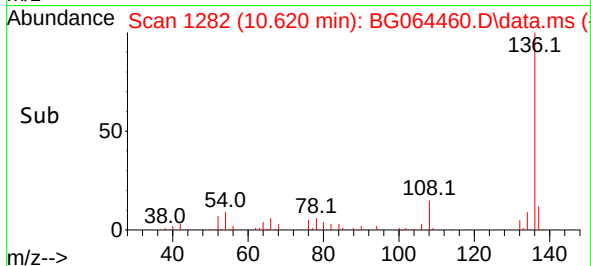
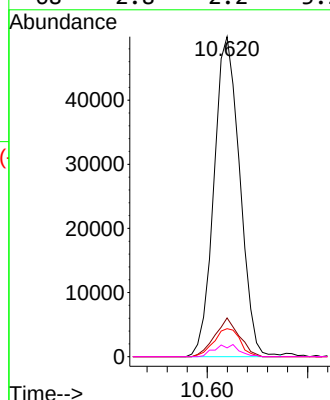
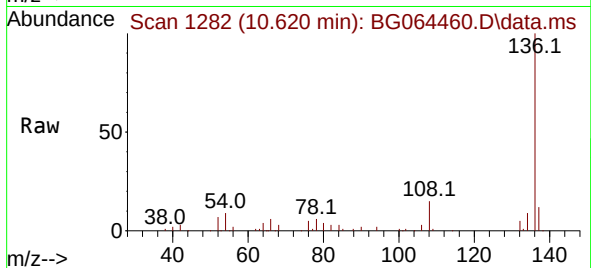
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 8.8 7.4 11.2

68 2.8 2.2 3.2



#23

Nitrobenzene-d5

Concen: 94.001 ng

RT: 8.986 min Scan# 1004

Delta R.T. -0.003 min

Lab File: BG064460.D

Acq: 29 Sep 2025 15:12

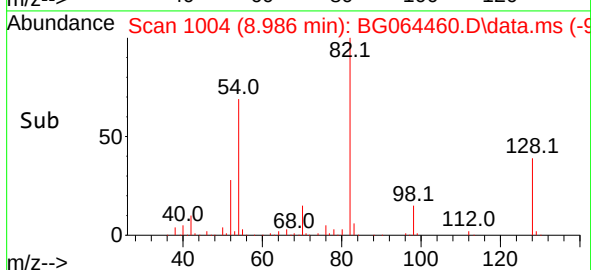
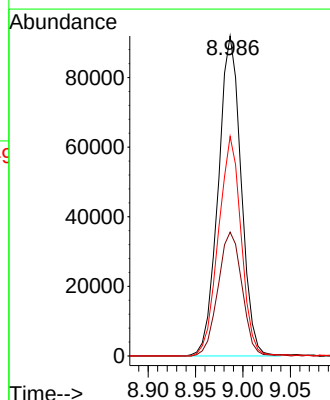
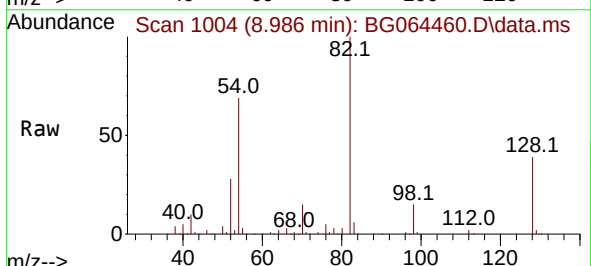
Tgt Ion: 82 Resp: 154286

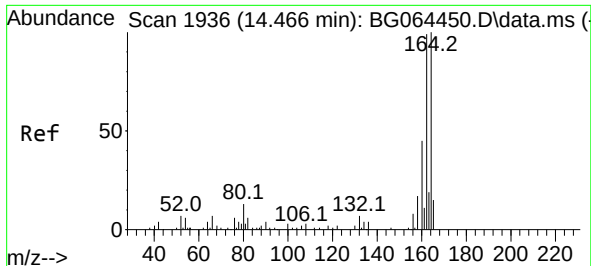
Ion Ratio Lower Upper

82 100

128 38.7 33.7 50.5

54 68.6 57.0 85.6

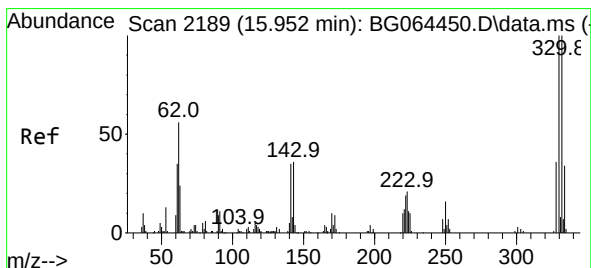
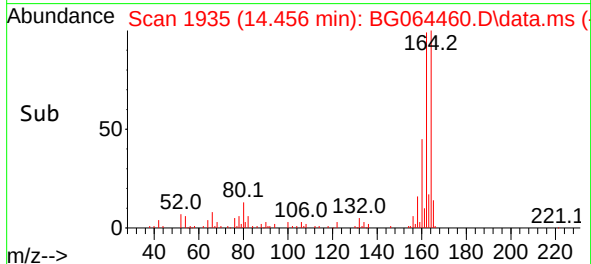
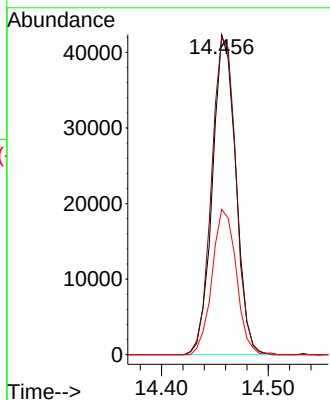
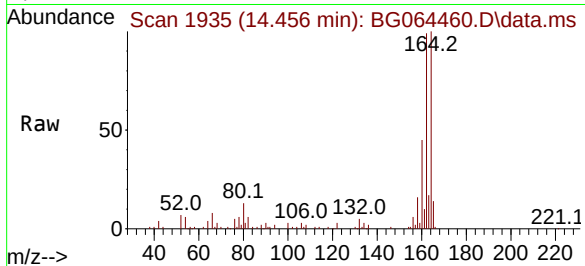




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.009 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

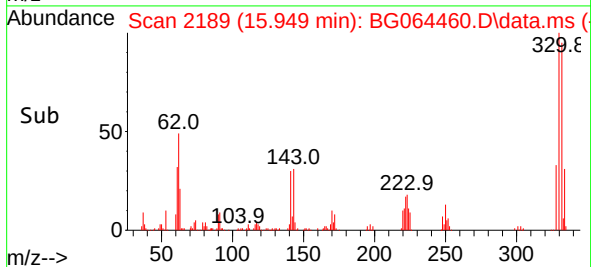
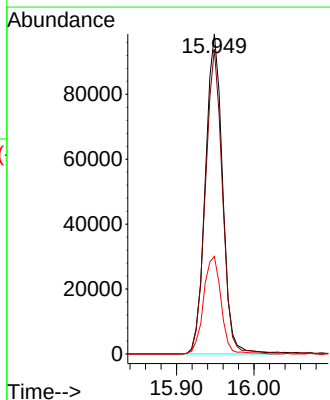
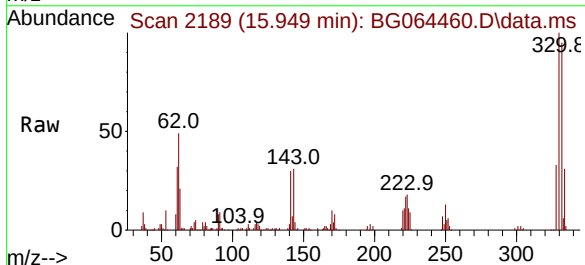
Instrument :
BNA_G
ClientSampleId :
WC-4

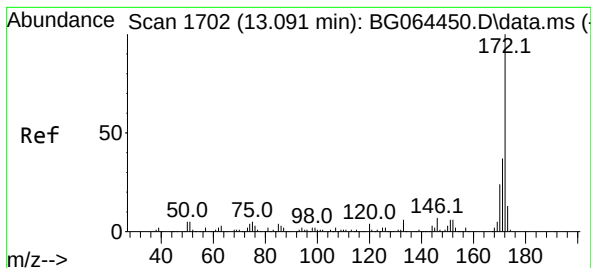
Tgt Ion:164 Resp: 64341
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.4
160 45.4 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 134.550 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion:330 Resp: 151132
Ion Ratio Lower Upper
330 100
332 94.5 78.8 118.2
141 31.3 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 89.219 ng

RT: 13.082 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064460.D

Acq: 29 Sep 2025 15:12

Instrument :

BNA_G

ClientSampleId :

WC-4

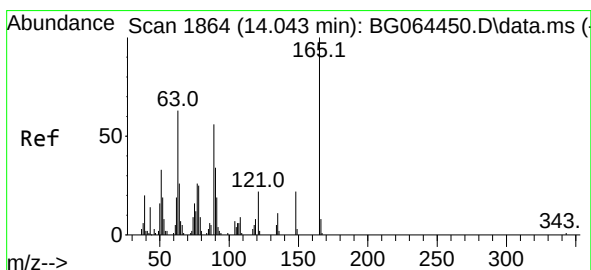
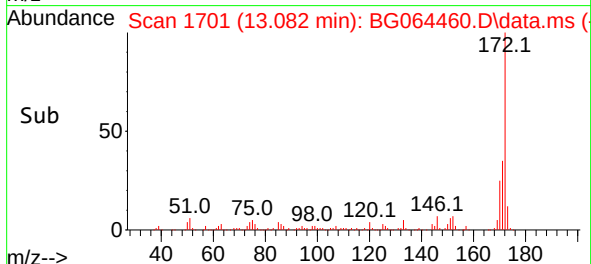
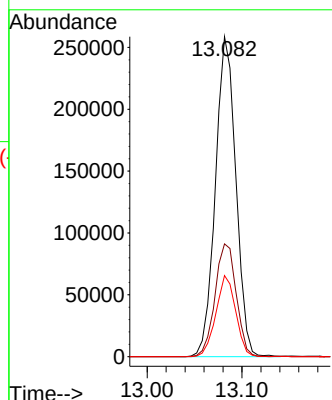
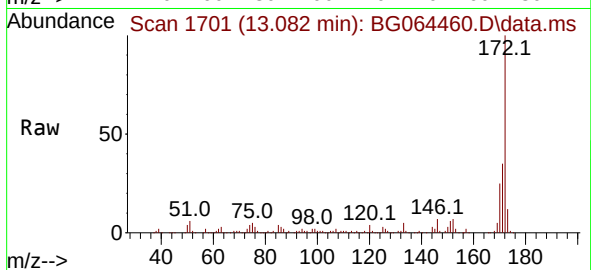
Tgt Ion:172 Resp: 388749

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.2

170 25.3 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.512 ng

RT: 14.456 min Scan# 1935

Delta R.T. 0.414 min

Lab File: BG064460.D

Acq: 29 Sep 2025 15:12

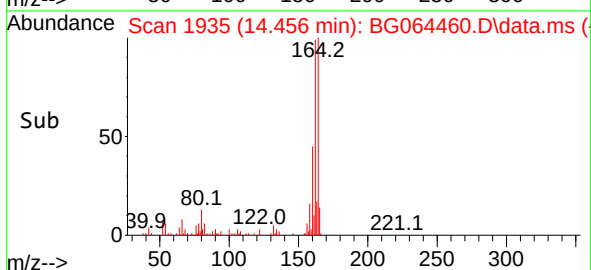
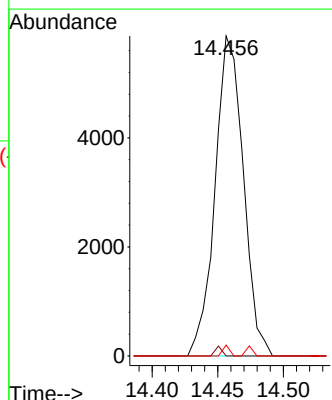
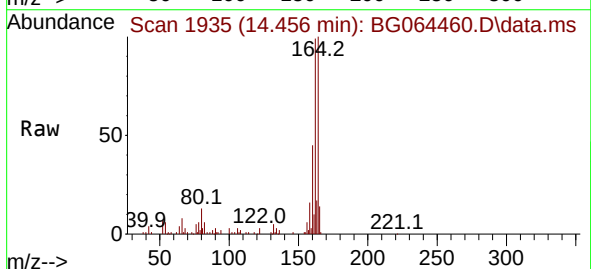
Tgt Ion:165 Resp: 8788

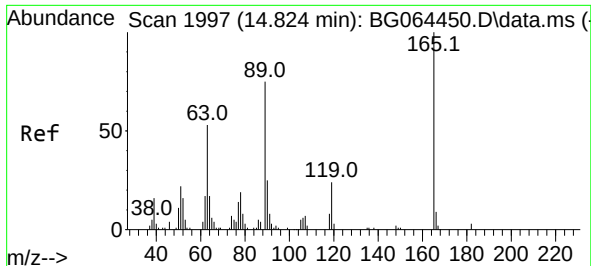
Ion Ratio Lower Upper

165 100

63 0.0 50.6 75.8#

89 3.4 44.6 67.0#

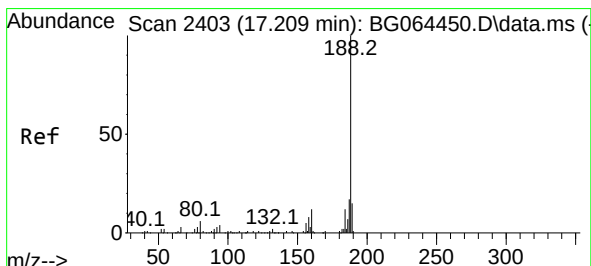
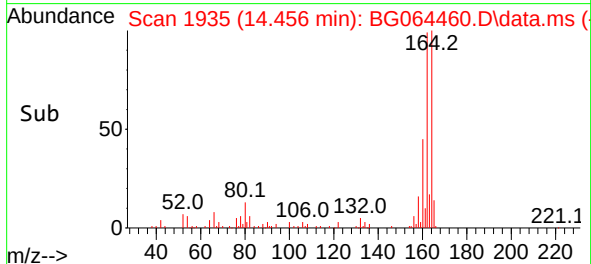
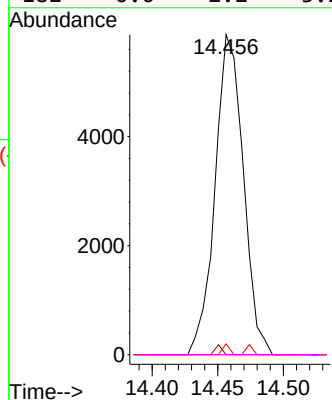
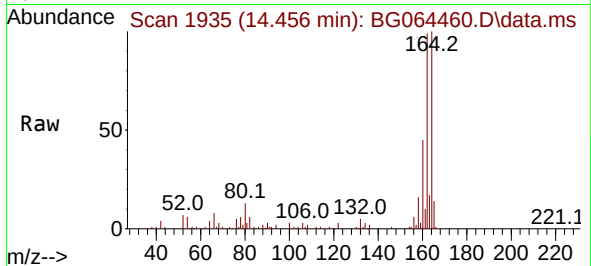




#57
2,4-Dinitrotoluene
Concen: 5.576 ng
RT: 14.456 min Scan# 1997
Delta R.T. -0.368 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

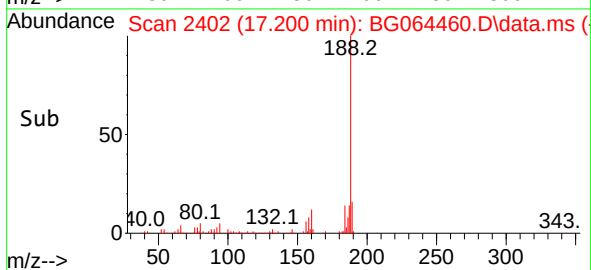
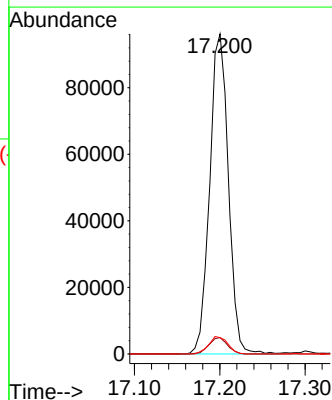
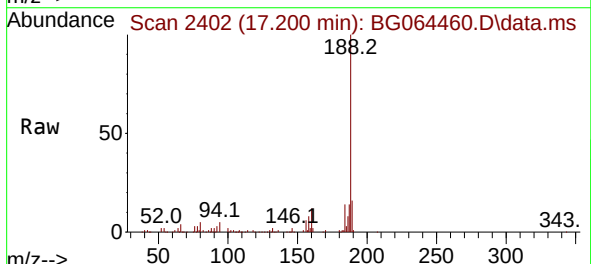
Instrument :
BNA_G
ClientSampleId :
WC-4

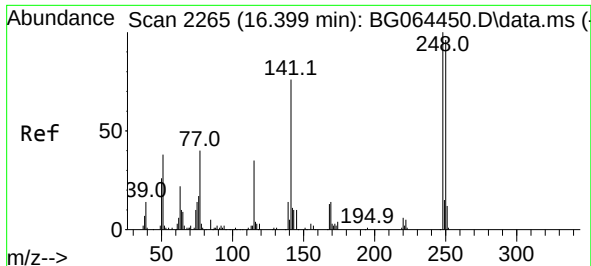
Tgt Ion:165 Resp: 8788
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 3.4 59.7 89.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.200 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion:188 Resp: 146695
Ion Ratio Lower Upper
188 100
94 5.1 3.0 4.4#
80 5.1 4.9 7.3

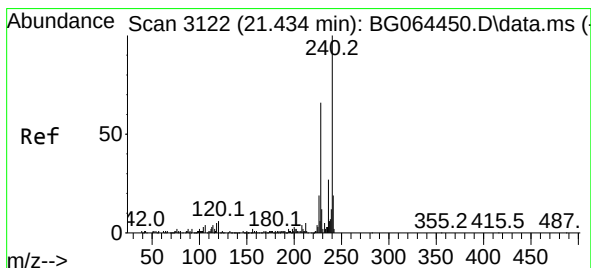
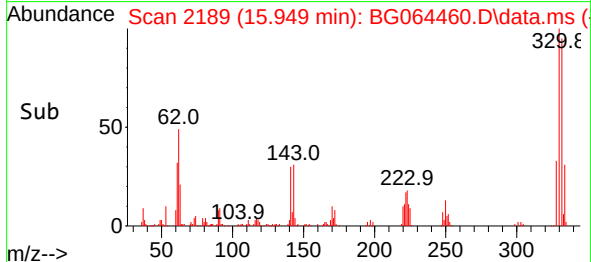
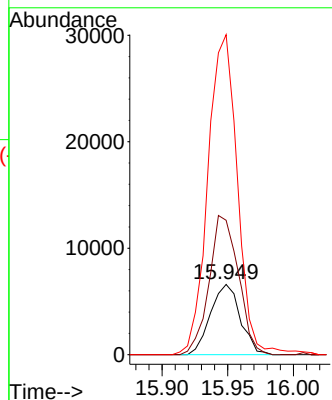
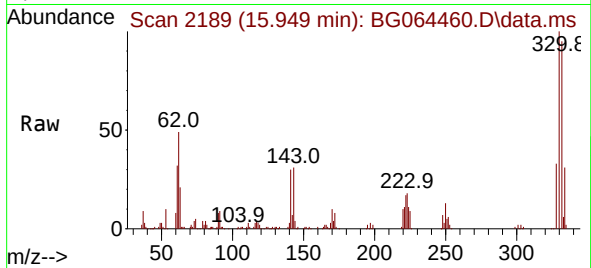




#67
4-Bromophenyl-phenylether
Concen: 6.071 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.450 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

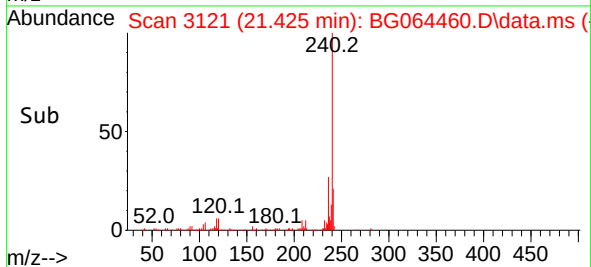
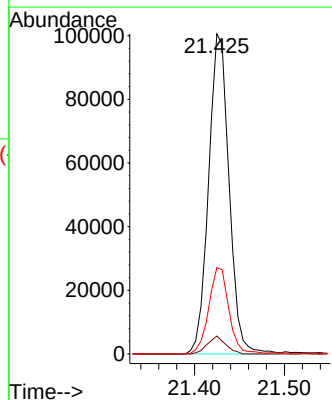
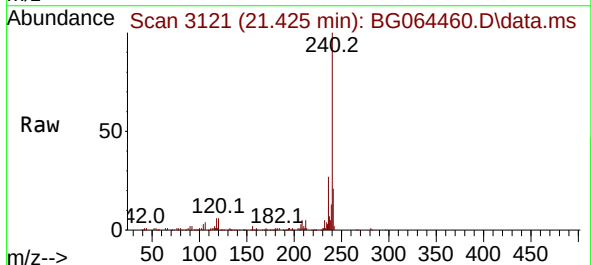
Instrument :
BNA_G
ClientSampleId :
WC-4

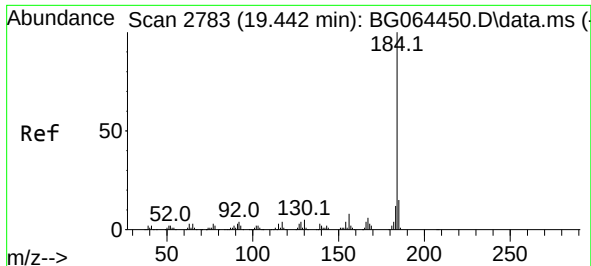
Tgt Ion:248 Resp: 10435
Ion Ratio Lower Upper
248 100
250 191.2 77.0 115.6#
141 455.3 61.1 91.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.425 min Scan# 3121
Delta R.T. -0.009 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion:240 Resp: 159288
Ion Ratio Lower Upper
240 100
120 5.6 5.0 7.4
236 27.0 21.9 32.9

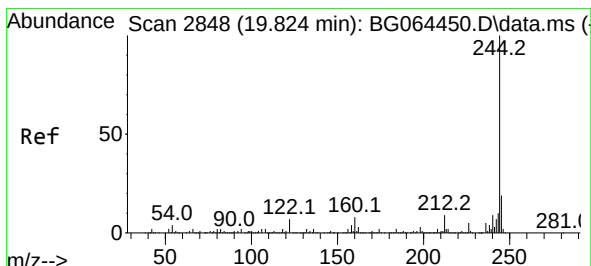
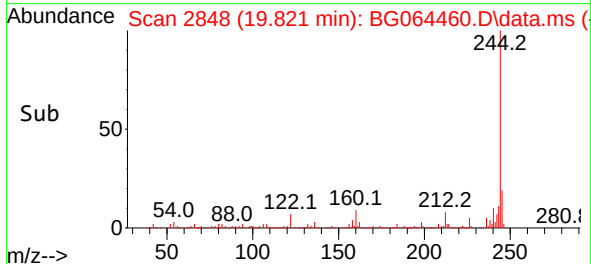
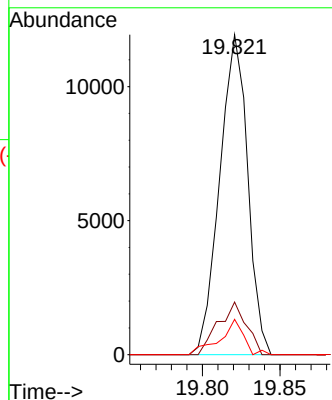
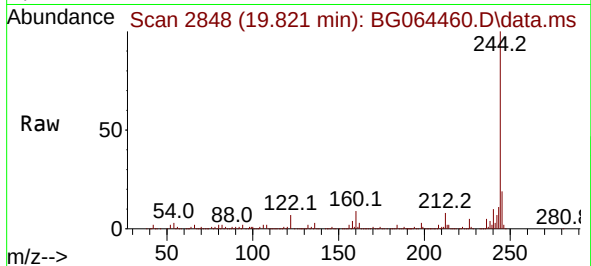




#77
Benzidine
Concen: 3.585 ng
RT: 19.821 min Scan# 21
Delta R.T. 0.379 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

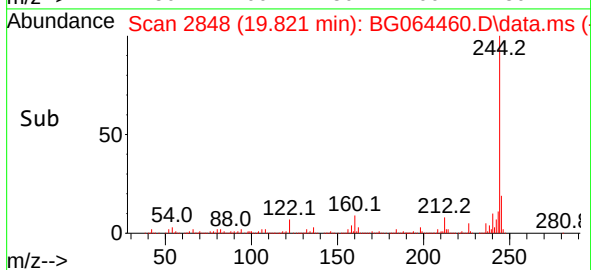
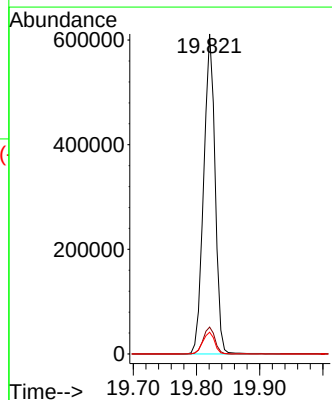
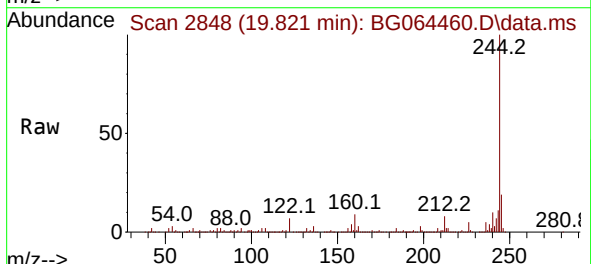
Instrument :
BNA_G
ClientSampleId :
WC-4

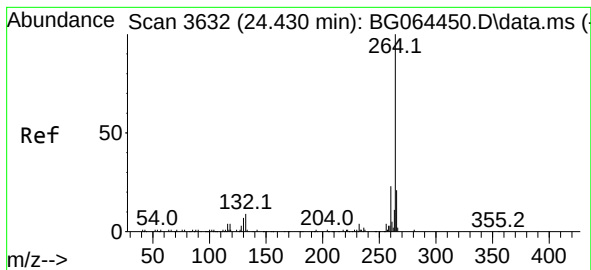
Tgt Ion:184 Resp: 14951
Ion Ratio Lower Upper
184 100
185 16.4 11.7 17.5
183 11.1 10.0 15.0



#79
Terphenyl-d14
Concen: 94.854 ng
RT: 19.821 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Tgt Ion:244 Resp: 766455
Ion Ratio Lower Upper
244 100
212 8.4 7.2 10.8
122 6.8 5.7 8.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 30
Delta R.T. -0.015 min
Lab File: BG064460.D
Acq: 29 Sep 2025 15:12

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:264 Resp: 176029

Ion	Ratio	Lower	Upper
264	100		
260	21.3	18.6	27.8
265	22.1	16.7	25.1

