

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101425\
 Data File : BG064506.D
 Acq On : 14 Oct 2025 18:54
 Operator : RC/JU
 Sample : Q3326-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Oct 15 03:15:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

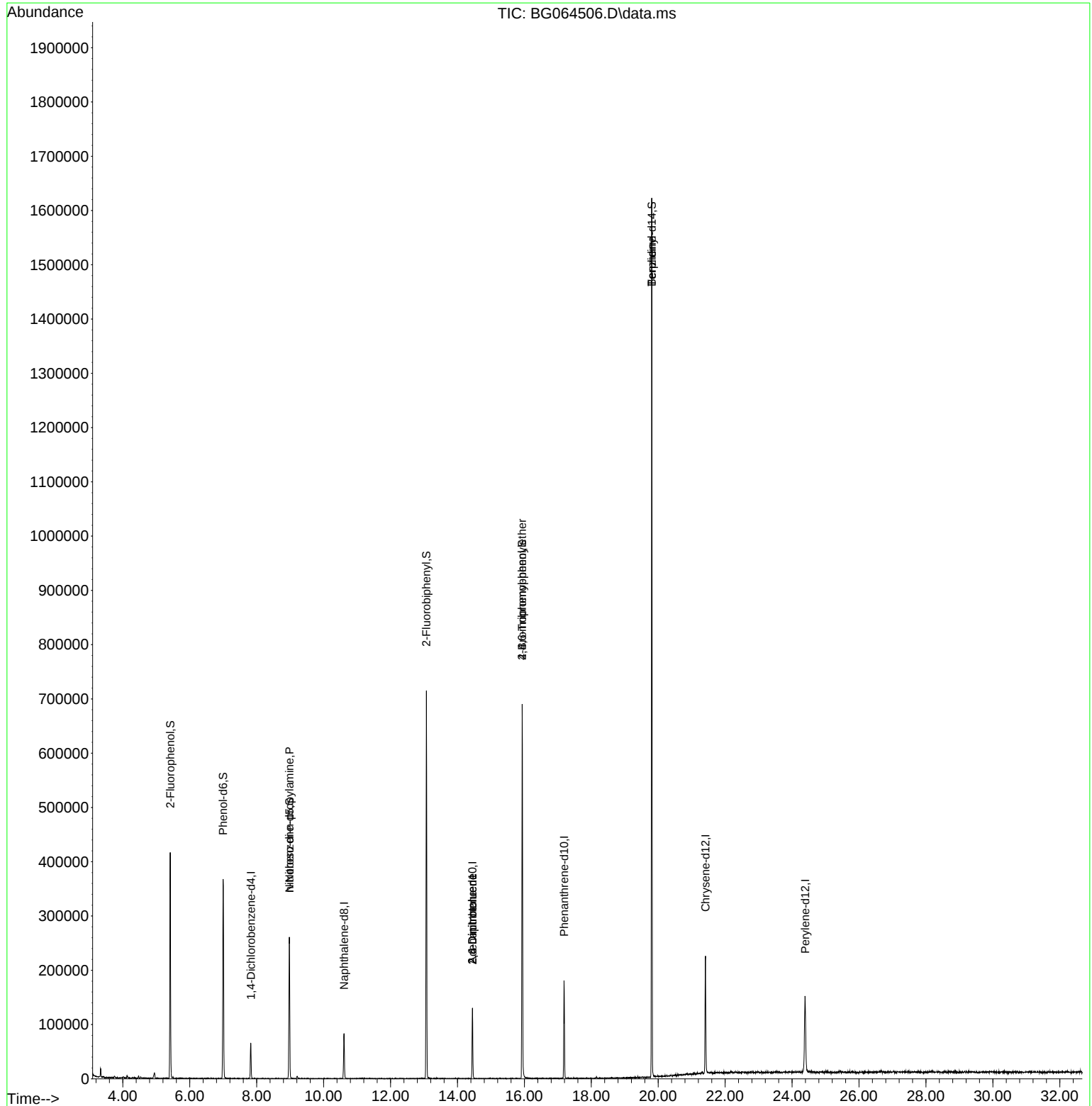
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	17044	20.000	ng	# 0.00
21) Naphthalene-d8	10.611	136	65669	20.000	ng	# 0.00
39) Acenaphthene-d10	14.448	164	45572	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	113570	20.000	ng	0.00
76) Chrysene-d12	21.410	240	133490	20.000	ng	0.00
86) Perylene-d12	24.389	264	145181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	148743	161.509	ng	0.01
7) Phenol-d6	6.998	99	174743	141.193	ng	0.01
23) Nitrobenzene-d5	8.978	82	135275	110.764	ng	0.01
42) 2,4,6-Tribromophenol	15.935	330	136813	165.622	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	347810	112.497	ng	0.00
79) Terphenyl-d14	19.807	244	721131	102.235	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.978	70	20850	25.190	ng	# 68
51) 2,6-Dinitrotoluene	14.448	165	6148	8.269	ng	# 12
57) 2,4-Dinitrotoluene	14.448	165	6148	5.409	ng	# 21
67) 4-Bromophenyl-phenylether	15.935	248	9068	6.785	ng	# 1
77) Benzidine	19.807	184	15046	4.530	ng	# 95

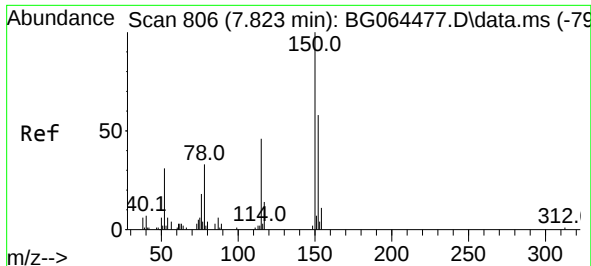
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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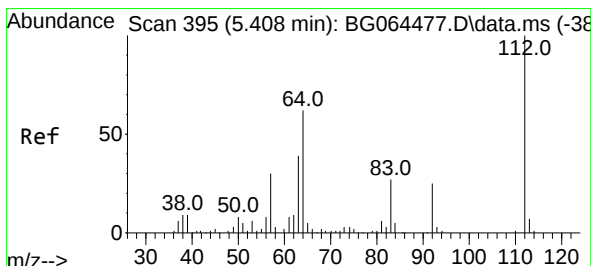
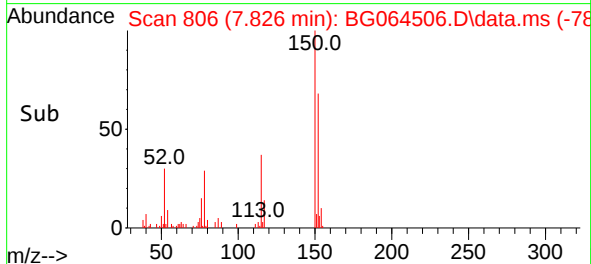
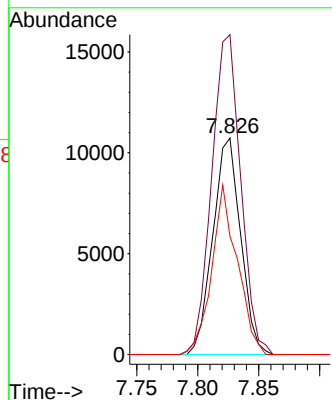
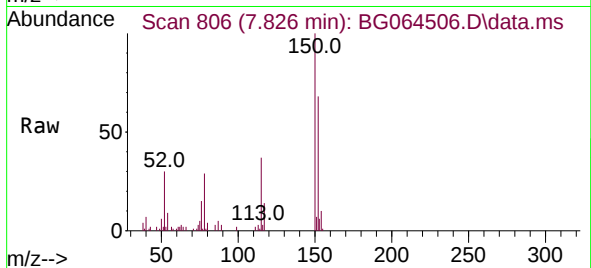




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.826 min Scan# 806
 Delta R.T. 0.006 min
 Lab File: BG064506.D
 Acq: 14 Oct 2025 18:54

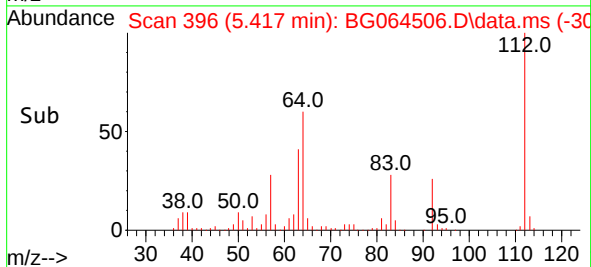
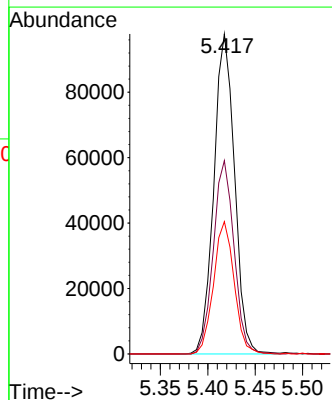
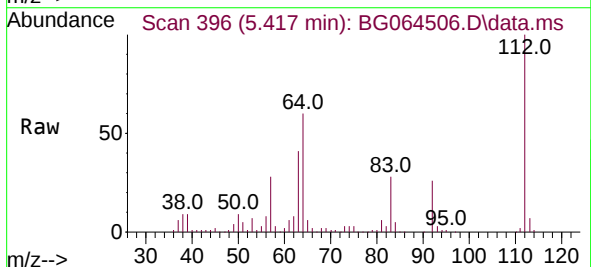
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

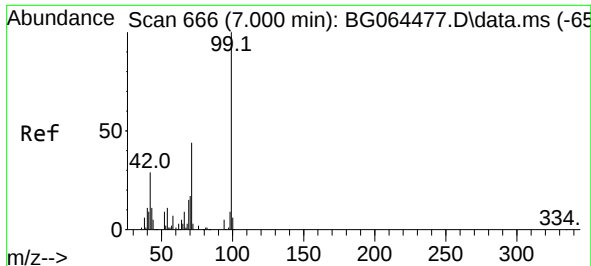
Tgt Ion:152 Resp: 17044
 Ion Ratio Lower Upper
 152 100
 150 147.7 138.6 207.8
 115 54.6 63.4 95.2#



#5
 2-Fluorophenol
 Concen: 161.509 ng
 RT: 5.417 min Scan# 396
 Delta R.T. 0.012 min
 Lab File: BG064506.D
 Acq: 14 Oct 2025 18:54

Tgt Ion:112 Resp: 148743
 Ion Ratio Lower Upper
 112 100
 64 60.4 49.8 74.8
 63 41.3 31.3 46.9

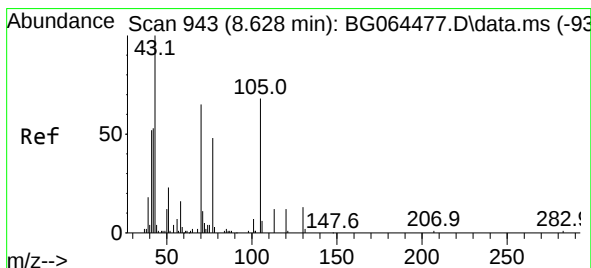
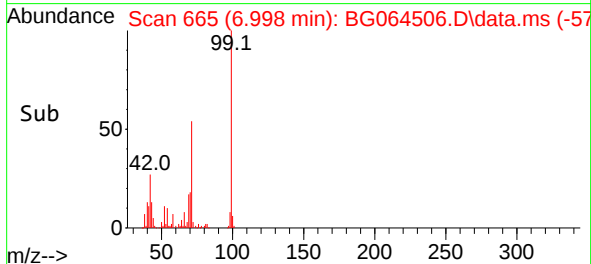
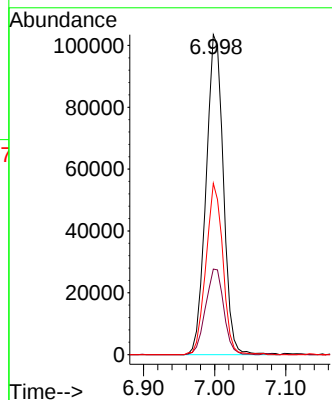
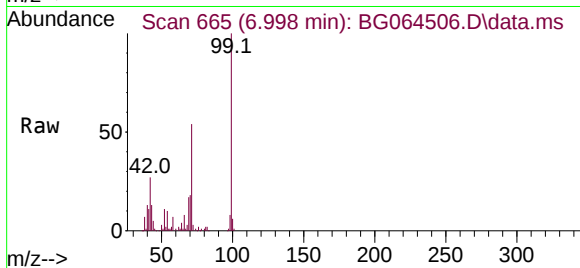




#7
Phenol-d6
Concen: 141.193 ng
RT: 6.998 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

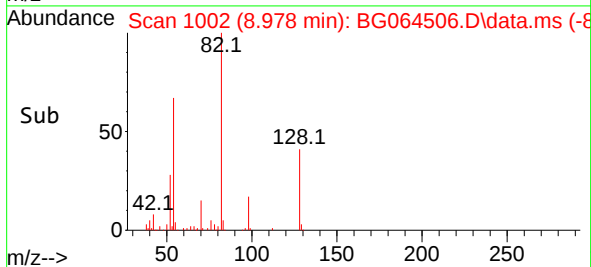
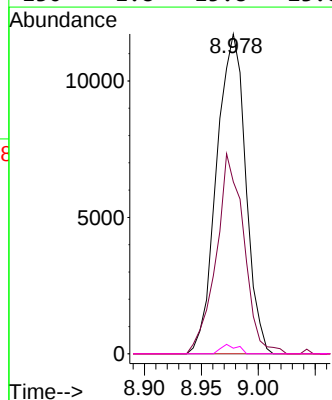
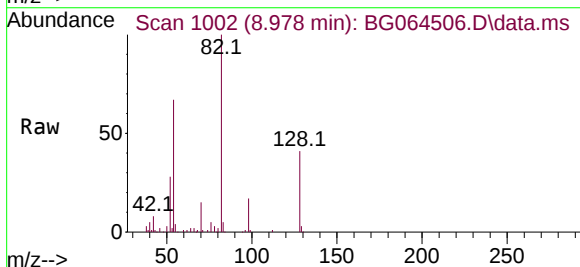
Instrument :
BNA_G
ClientSampleId :
TP-2

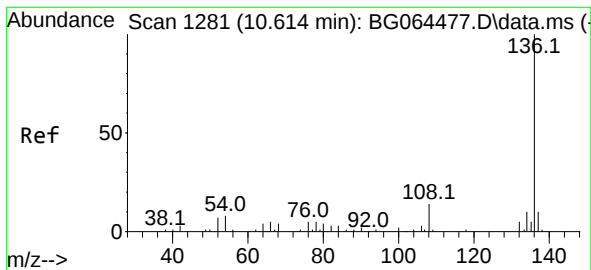
Tgt Ion: 99 Resp: 174743
Ion Ratio Lower Upper
99 100
42 26.7 22.9 34.3
71 53.5 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 25.190 ng
RT: 8.978 min Scan# 1002
Delta R.T. 0.364 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

Tgt Ion: 70 Resp: 20850
Ion Ratio Lower Upper
70 100
42 53.8 64.9 97.3#
101 0.0 8.7 13.1#
130 1.8 15.8 23.8#

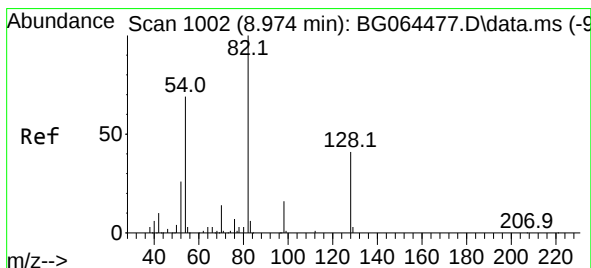
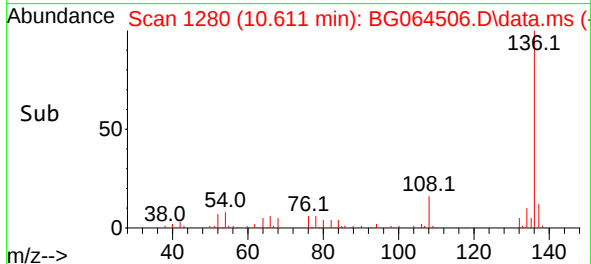
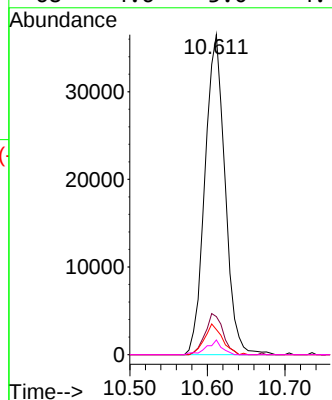
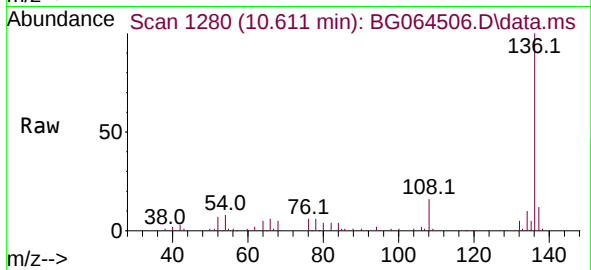




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

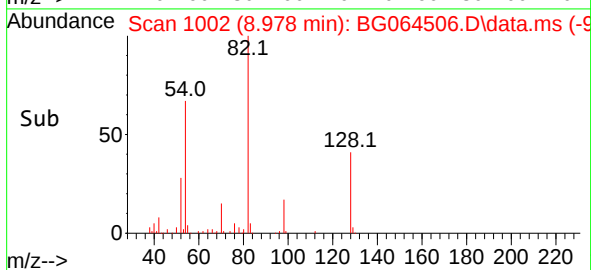
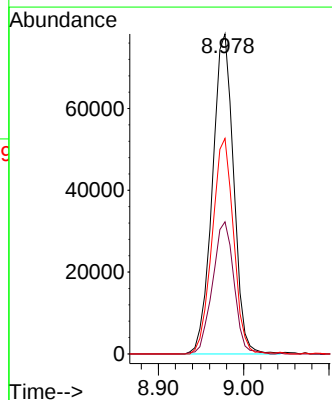
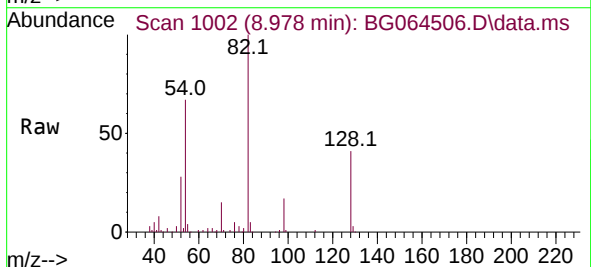
Instrument :
BNA_G
ClientSampleId :
TP-2

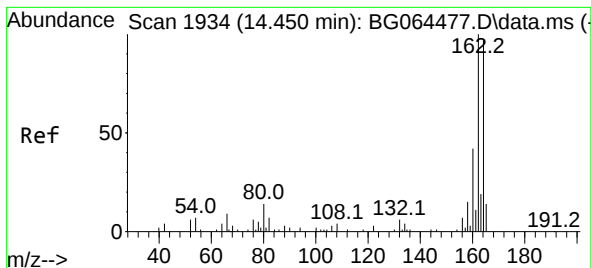
Tgt Ion:136	Resp:	65669
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.3 12.5
54	7.9	6.2 9.4
68	4.6	3.0 4.4#



#23
Nitrobenzene-d5
Concen: 110.764 ng
RT: 8.978 min Scan# 1002
Delta R.T. 0.012 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

Tgt Ion: 82	Resp:	135275
Ion Ratio	Lower	Upper
82	100	
128	41.3	33.1 49.7
54	67.3	55.4 83.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.448 min Scan# 19

Delta R.T. 0.000 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

Instrument :

BNA_G

ClientSampleId :

TP-2

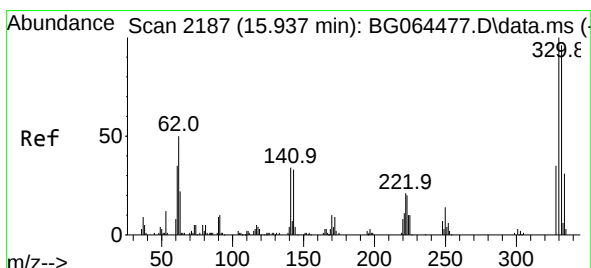
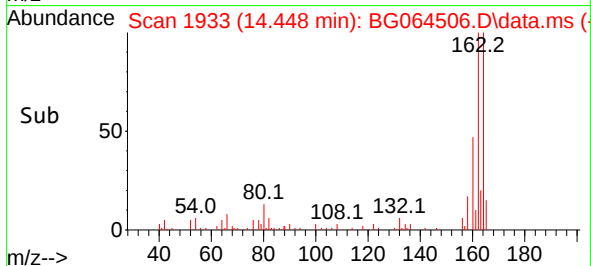
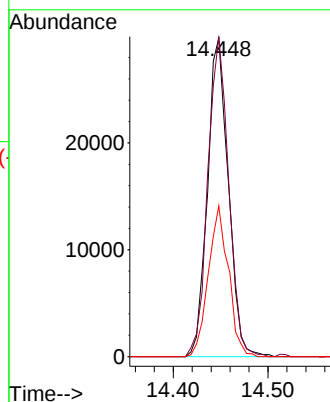
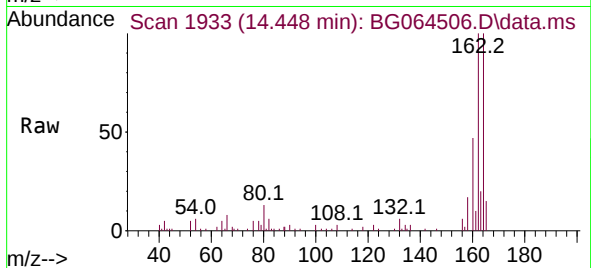
Tgt Ion:164 Resp: 45572

Ion Ratio Lower Upper

164 100

162 100.4 82.2 123.2

160 47.3 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 165.622 ng

RT: 15.935 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

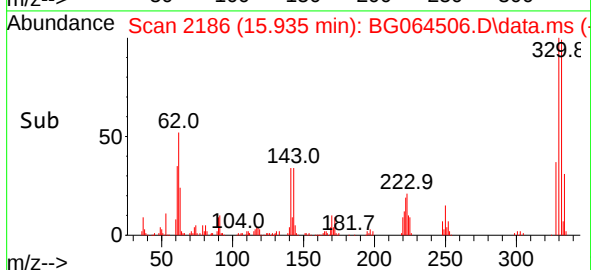
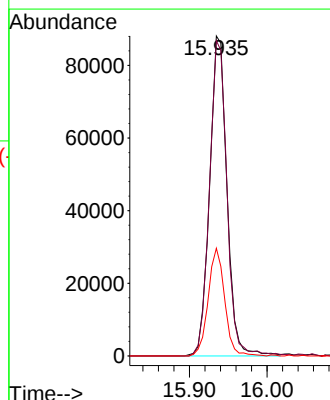
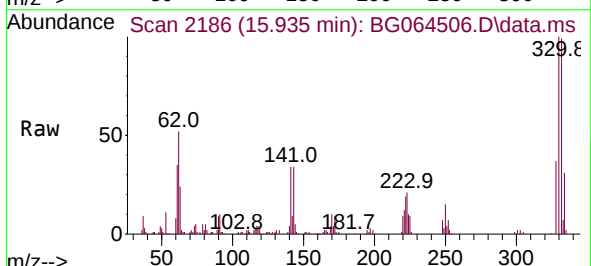
Tgt Ion:330 Resp: 136813

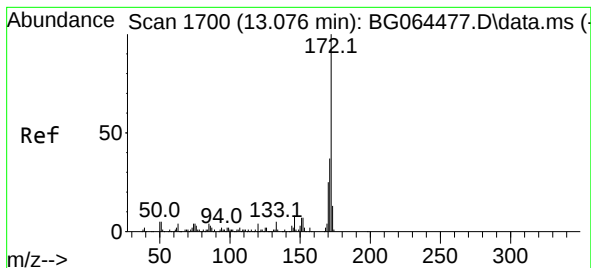
Ion Ratio Lower Upper

330 100

332 99.1 77.4 116.0

141 31.9 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 112.497 ng

RT: 13.073 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

Instrument :

BNA_G

ClientSampleId :

TP-2

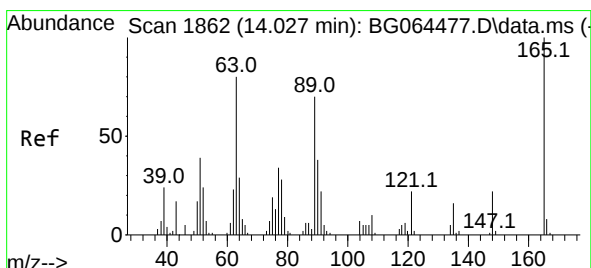
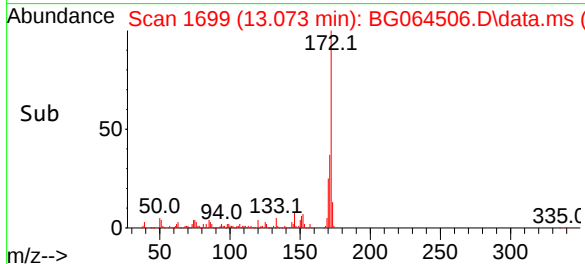
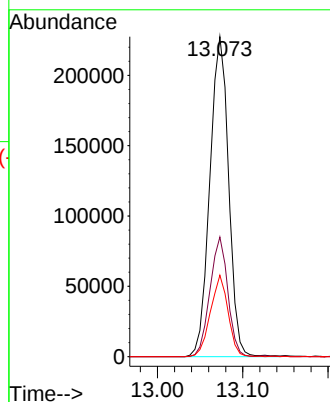
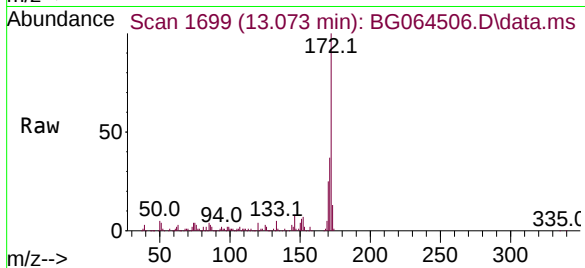
Tgt Ion:172 Resp: 347810

Ion Ratio Lower Upper

172 100

171 37.4 29.6 44.4

170 25.4 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.269 ng

RT: 14.448 min Scan# 1933

Delta R.T. 0.429 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

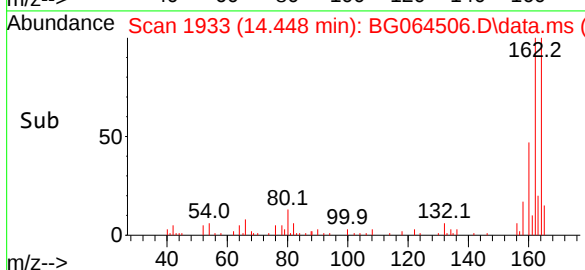
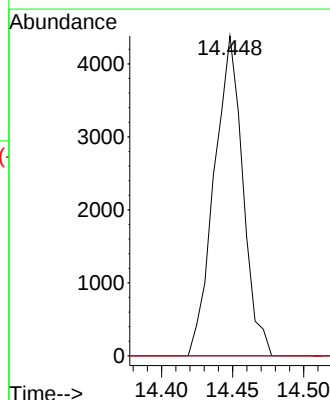
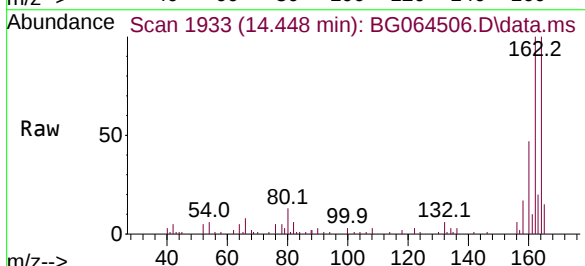
Tgt Ion:165 Resp: 6148

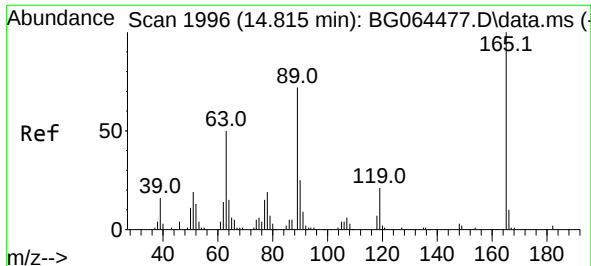
Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

89 0.0 56.1 84.1#

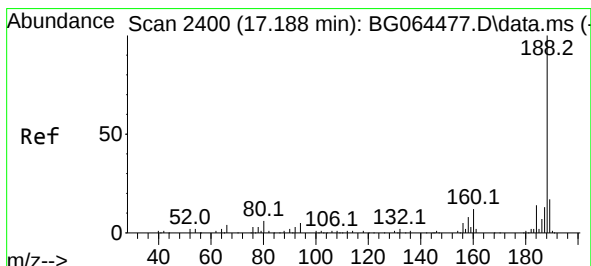
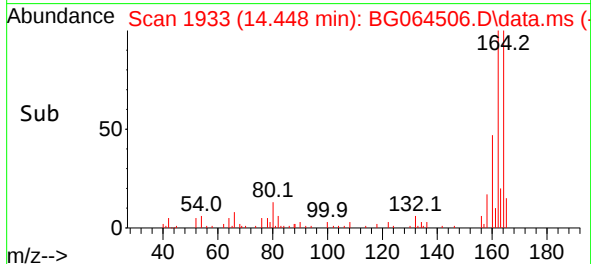
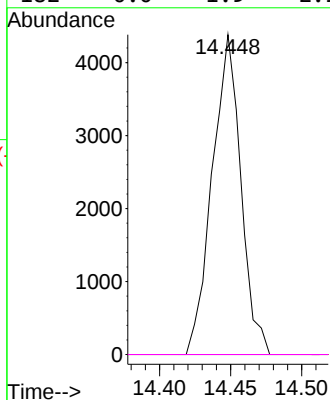
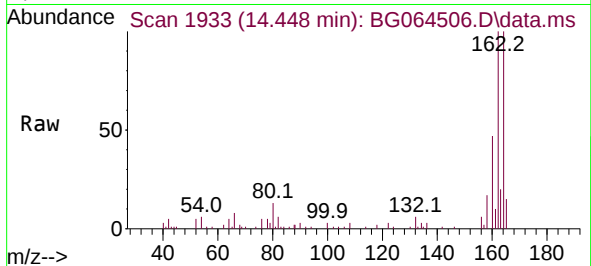




#57
2,4-Dinitrotoluene
Concen: 5.409 ng
RT: 14.448 min Scan# 1996
Delta R.T. -0.364 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

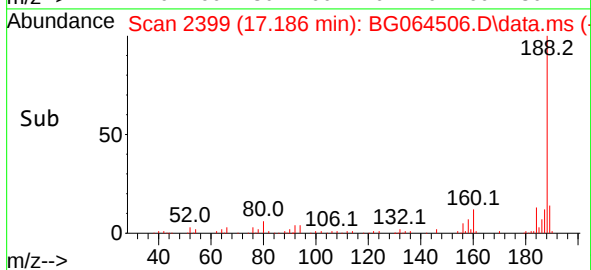
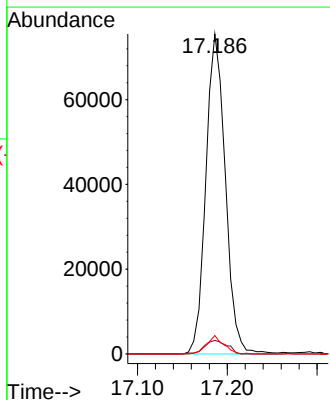
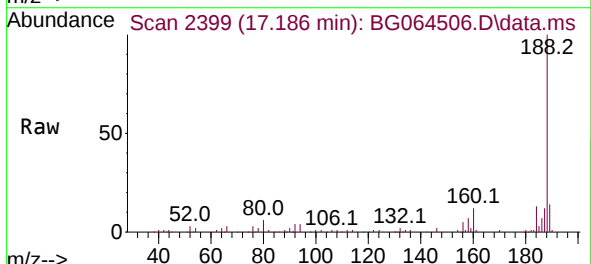
Instrument :
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ClientSampleId :
TP-2

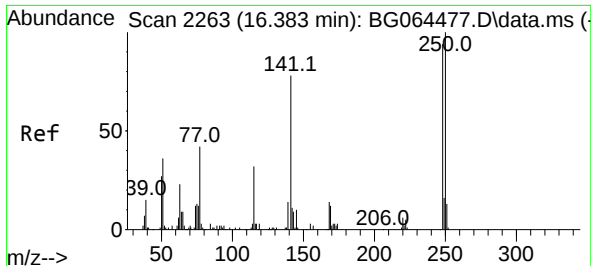
Tgt Ion:165	Resp:	6148
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.4 60.6#
89	0.0	57.3 85.9#
182	0.0	1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

Tgt Ion:188	Resp:	113570
Ion Ratio	Lower	Upper
188	100	
94	4.2	3.7 5.5
80	5.7	4.5 6.7

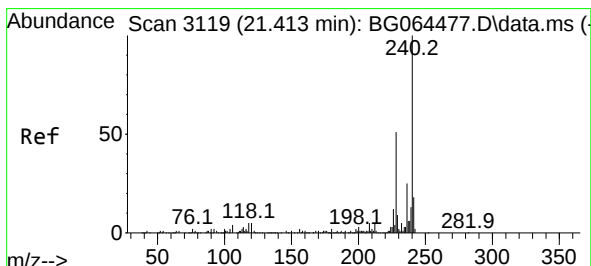
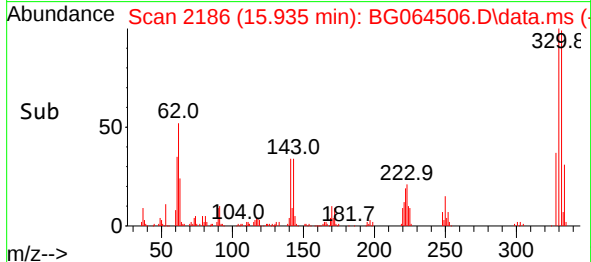
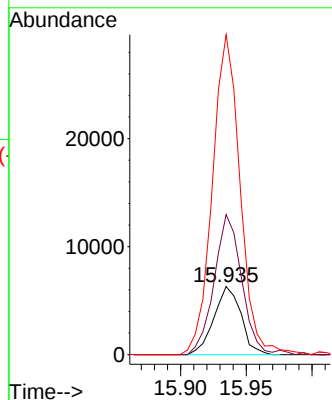
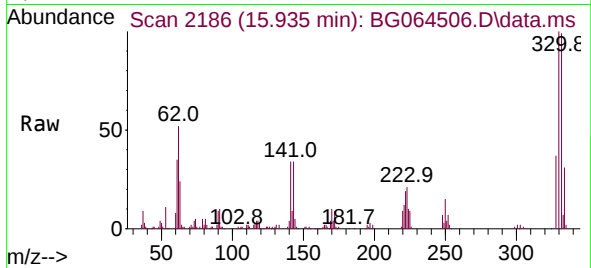




#67
4-Bromophenyl-phenylether
Concen: 6.785 ng
RT: 15.935 min Scan# 2186
Delta R.T. -0.446 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

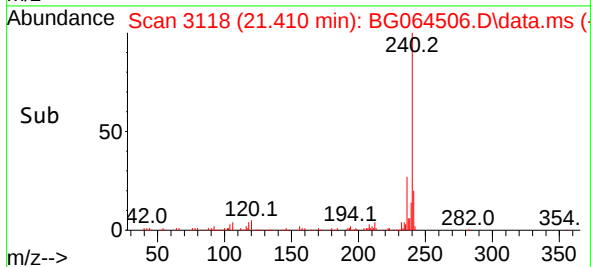
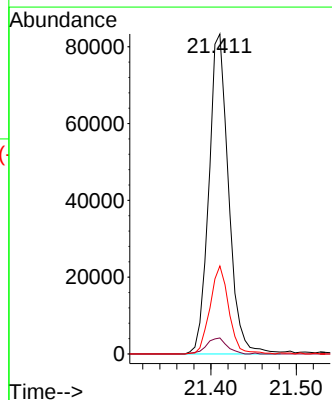
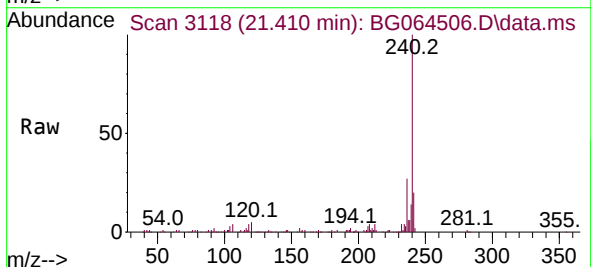
Instrument :
BNA_G
ClientSampleId :
TP-2

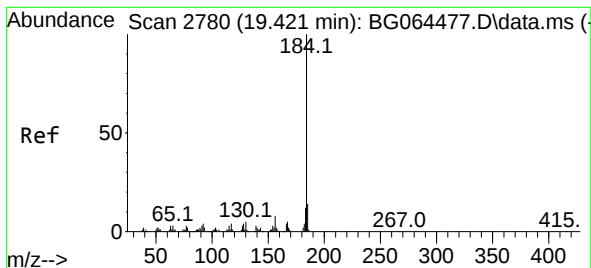
Tgt Ion:248 Resp: 9068
Ion Ratio Lower Upper
248 100
250 205.9 85.3 127.9#
141 470.4 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BG064506.D
Acq: 14 Oct 2025 18:54

Tgt Ion:240 Resp: 133490
Ion Ratio Lower Upper
240 100
120 5.0 4.3 6.5
236 27.5 20.4 30.6





#77

Benzidine

Concen: 4.530 ng

RT: 19.807 min Scan# 2845

Delta R.T. 0.381 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

Instrument :

BNA_G

ClientSampleId :

TP-2

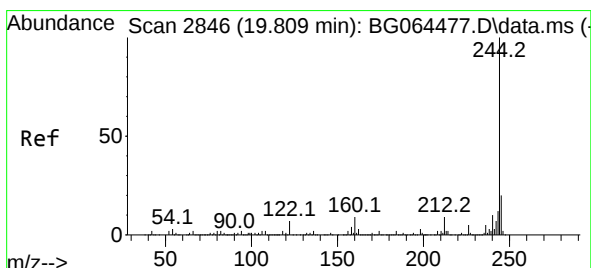
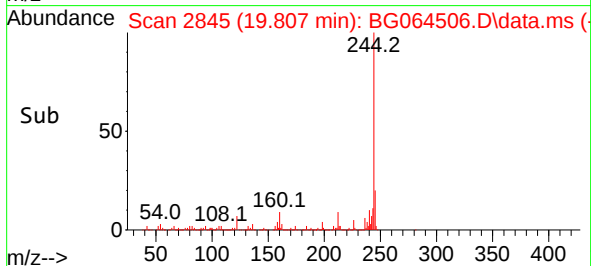
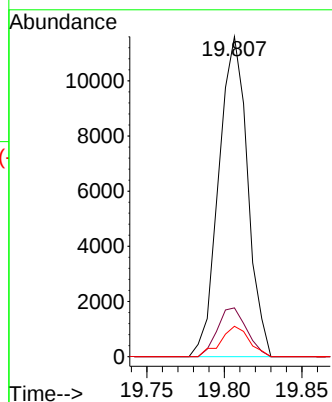
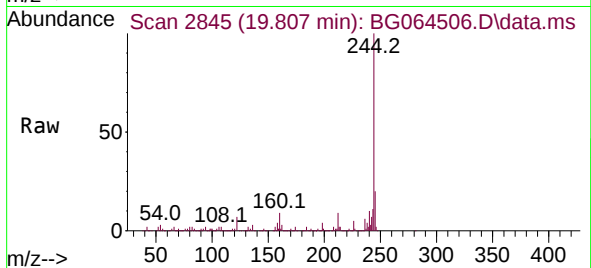
Tgt Ion:184 Resp: 15046

Ion Ratio Lower Upper

184 100

185 15.2 10.9 16.3

183 9.5 9.8 14.6#



#79

Terphenyl-d14

Concen: 102.235 ng

RT: 19.807 min Scan# 2845

Delta R.T. 0.000 min

Lab File: BG064506.D

Acq: 14 Oct 2025 18:54

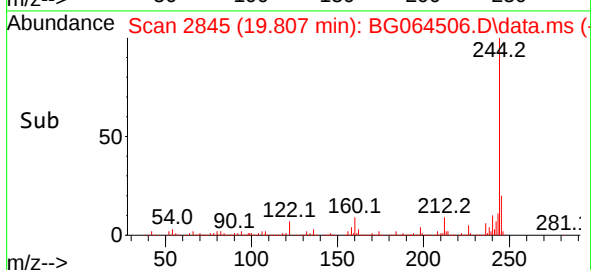
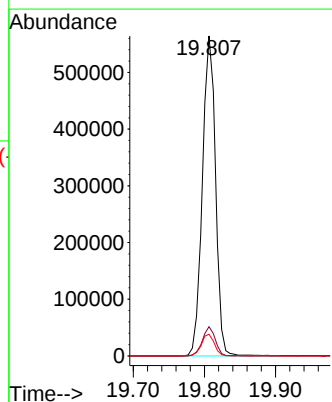
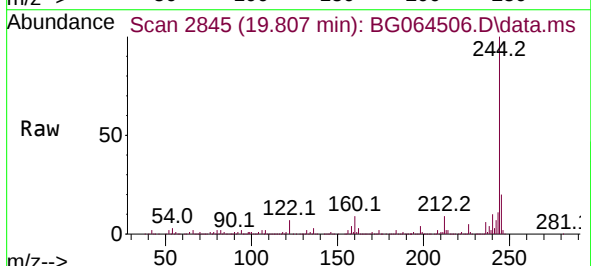
Tgt Ion:244 Resp: 721131

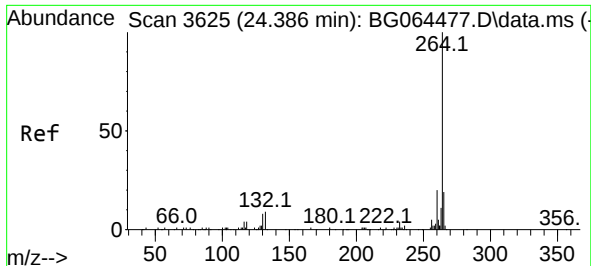
Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

122 6.8 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.389 min Scan# 30

Delta R.T. 0.000 min

Lab File: BG064506.D

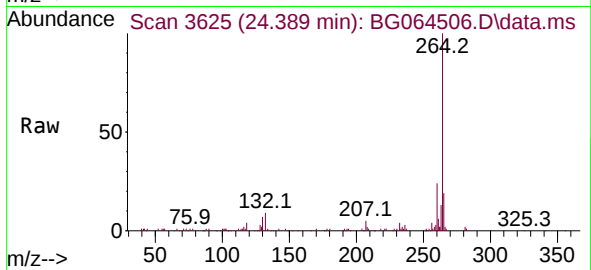
Acq: 14 Oct 2025 18:54

Instrument :

BNA_G

ClientSampleId :

TP-2



Tgt Ion:264 Resp: 145181

Ion Ratio Lower Upper

264 100

260 24.4 16.2 24.4

265 19.2 15.0 22.4

