

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064581.D
 Acq On : 24 Oct 2025 19:30
 Operator : RC/JU
 Sample : Q3405-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW-10-20-25

Quant Time: Oct 24 23:44:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

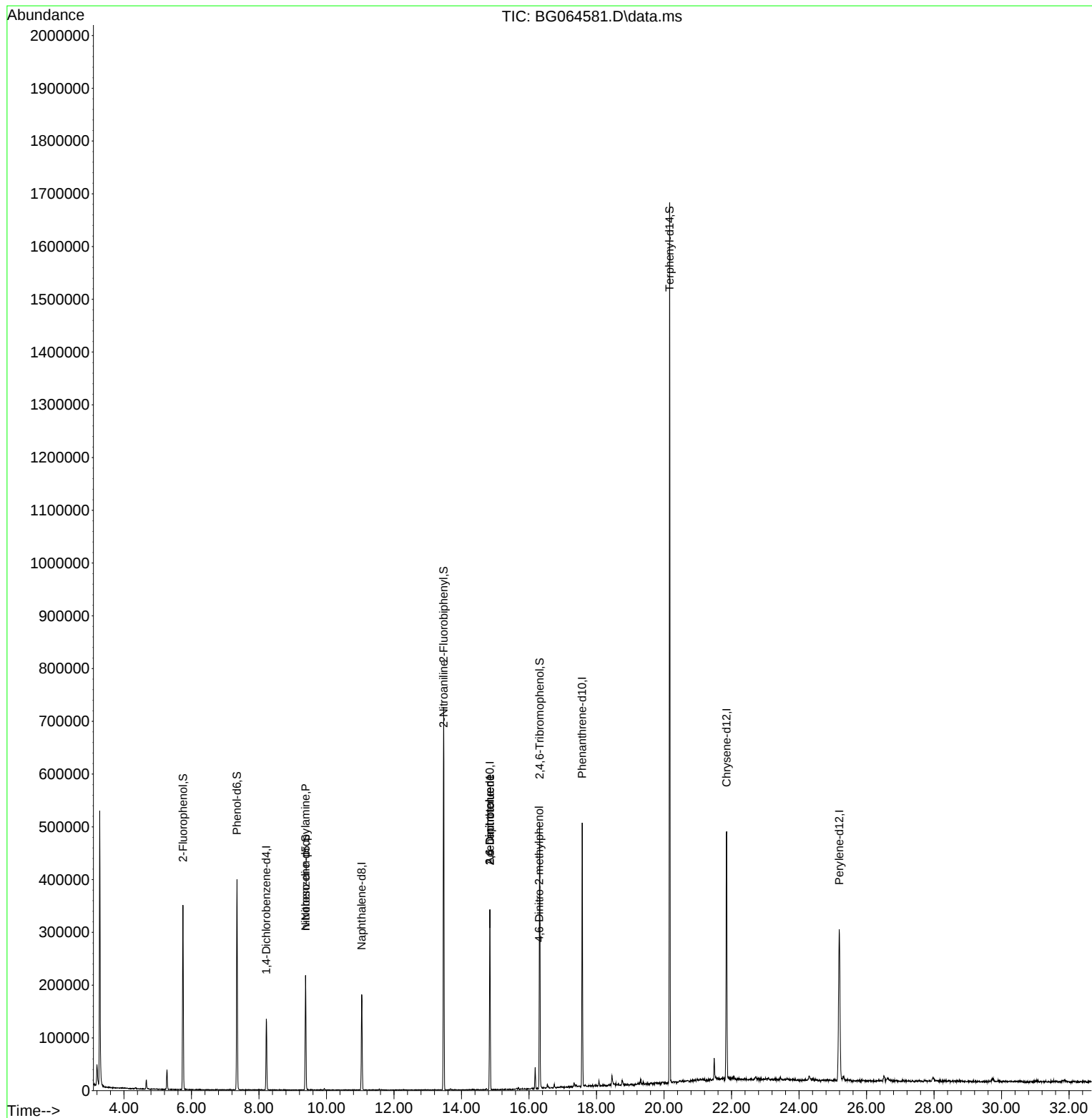
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	36541	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	142428	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	121826	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	304711	20.000	ng	0.00
76) Chrysene-d12	21.854	240	324002	20.000	ng	0.00
86) Perylene-d12	25.191	264	346107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	140556	64.564	ng	0.00
7) Phenol-d6	7.347	99	203488	68.117	ng	0.00
23) Nitrobenzene-d5	9.380	82	112290	47.353	ng	0.00
42) 2,4,6-Tribromophenol	16.313	330	106137	60.363	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	372190	46.307	ng	0.00
79) Terphenyl-d14	20.168	244	834227	48.590	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.380	70	15281	7.402	ng	# 77
48) 2-Nitroaniline	13.464	65	649	3.501	ng	# 53
51) 2,6-Dinitrotoluene	14.839	165	15454	12.572	ng	# 19
57) 2,4-Dinitrotoluene	14.839	165	15454	9.136	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.302	198	225	5.575	ng	85

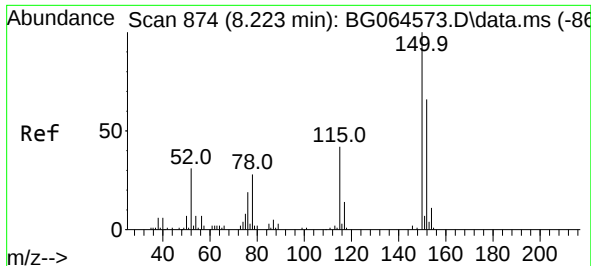
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
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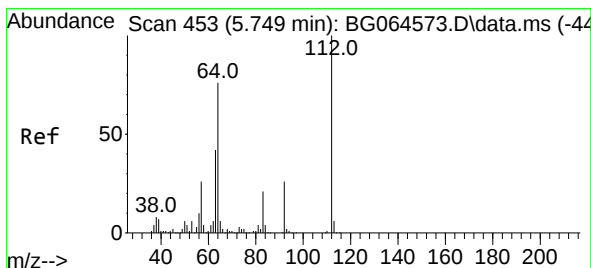
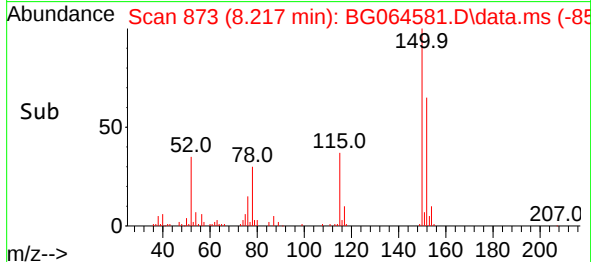
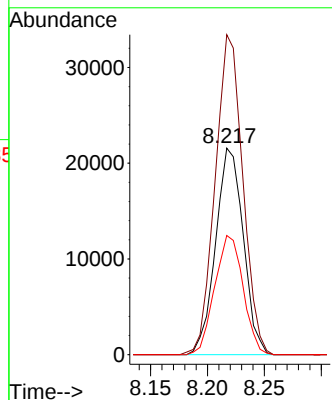
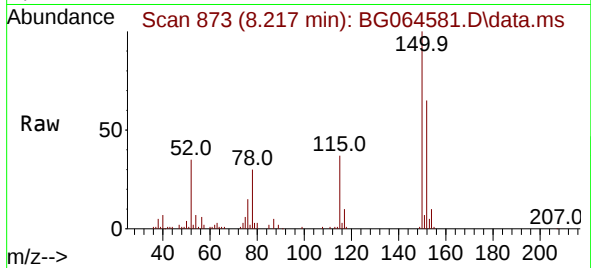




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

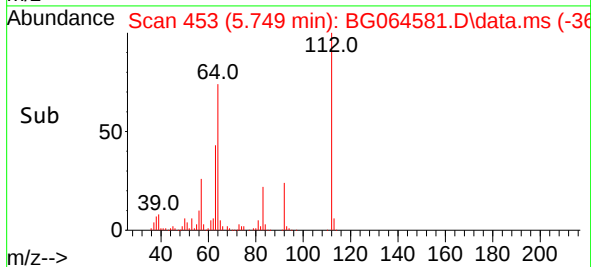
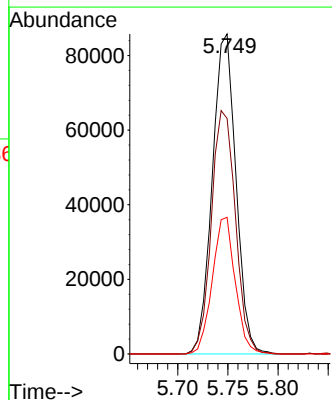
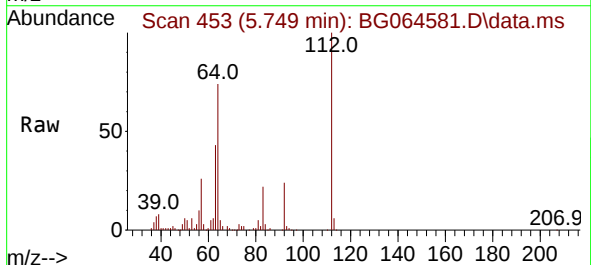
Instrument :
BNA_G
ClientSampleId :
SW-10-20-25

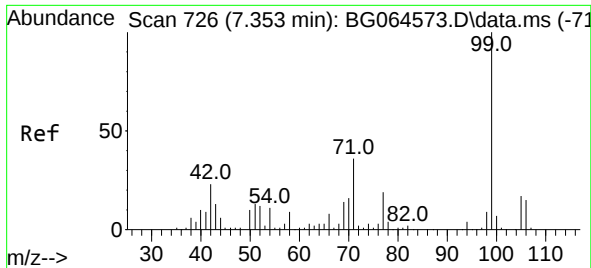
Tgt Ion:152 Resp: 36541
Ion Ratio Lower Upper
152 100
150 154.9 122.2 183.4
115 57.7 50.8 76.2



#5
2-Fluorophenol
Concen: 64.564 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion:112 Resp: 140556
Ion Ratio Lower Upper
112 100
64 73.6 60.7 91.1
63 42.7 33.4 50.0

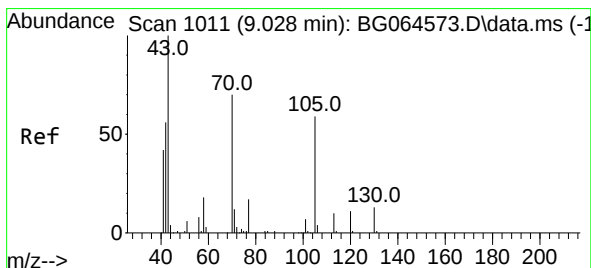
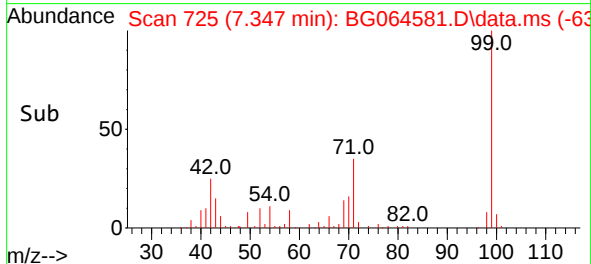
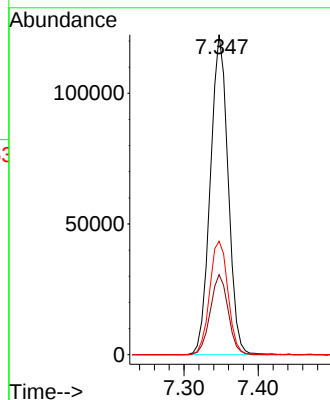
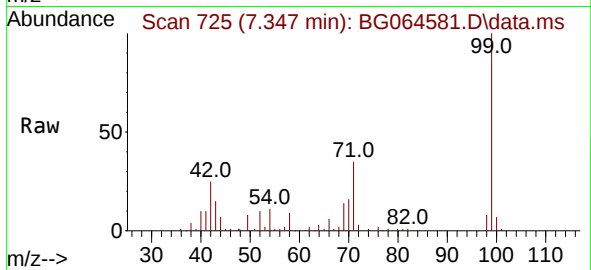




#7
Phenol-d6
Concen: 68.117 ng
RT: 7.347 min Scan# 71
Delta R.T. -0.010 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

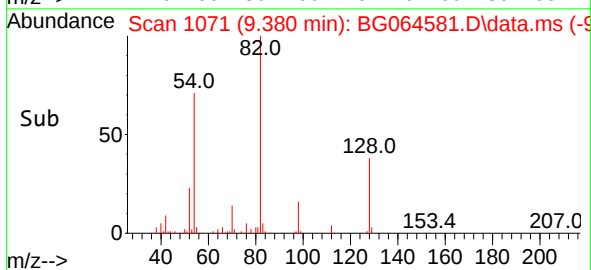
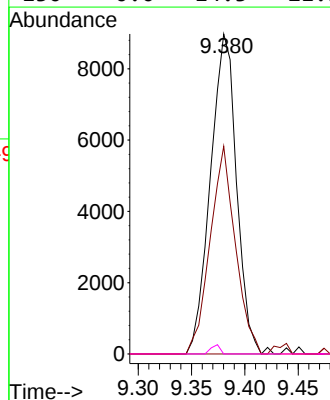
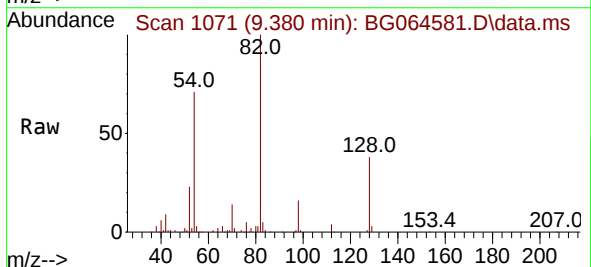
Instrument :
BNA_G
ClientSampleId :
SW-10-20-25

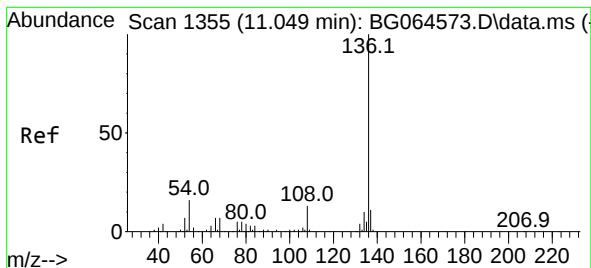
Tgt Ion: 99 Resp: 203488
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 35.4 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.402 ng
RT: 9.380 min Scan# 1071
Delta R.T. 0.349 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion: 70 Resp: 15281
Ion Ratio Lower Upper
70 100
42 64.9 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#

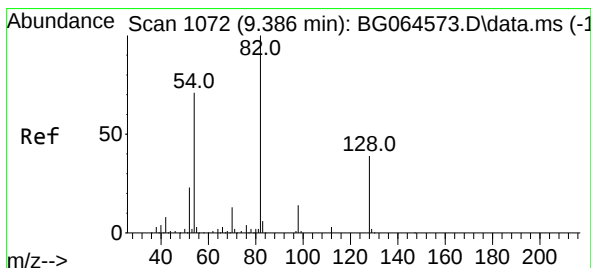
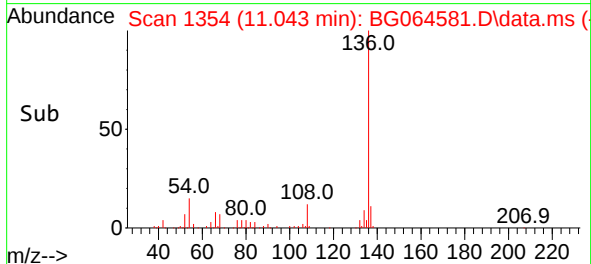
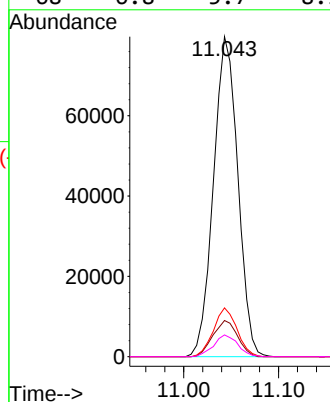
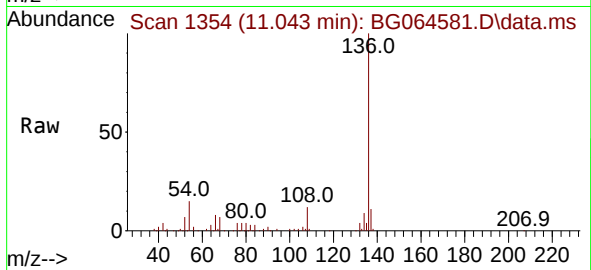




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

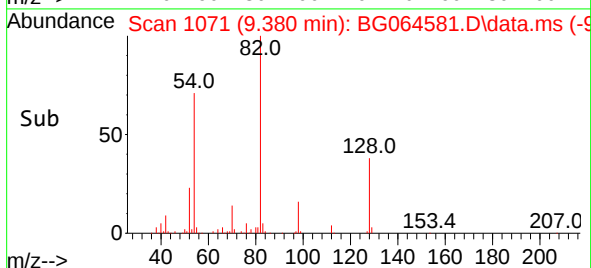
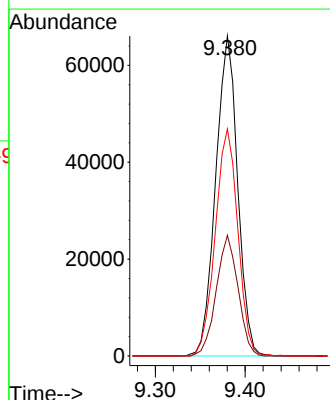
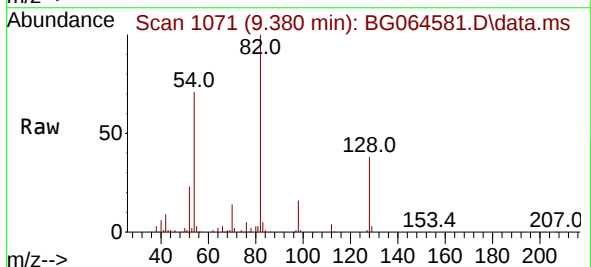
Instrument :
BNA_G
ClientSampleId :
SW-10-20-25

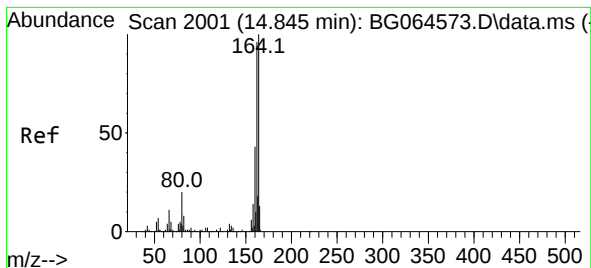
Tgt Ion:	136	Resp:	142428
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	15.3	12.6	19.0
68	6.8	5.7	8.5



#23
Nitrobenzene-d5
Concen: 47.353 ng
RT: 9.380 min Scan# 1071
Delta R.T. -0.010 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion:	82	Resp:	112290
Ion Ratio	Lower	Upper	
82	100		
128	37.7	31.3	46.9
54	70.9	56.6	84.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.004 min

Lab File: BG064581.D

Acq: 24 Oct 2025 19:30

Instrument :

BNA_G

ClientSampleId :

SW-10-20-25

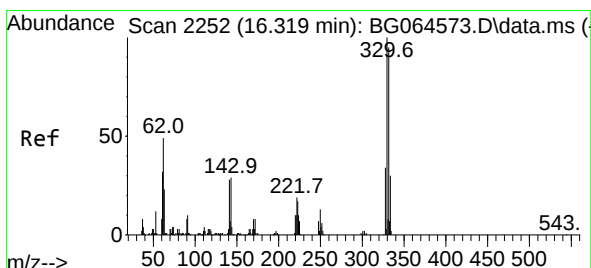
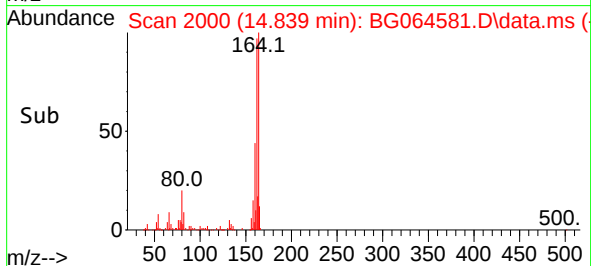
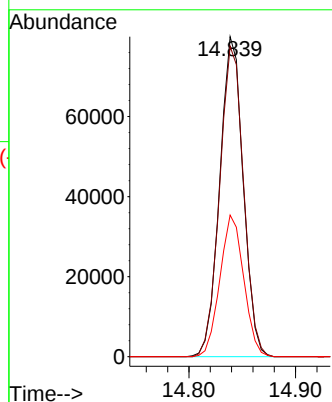
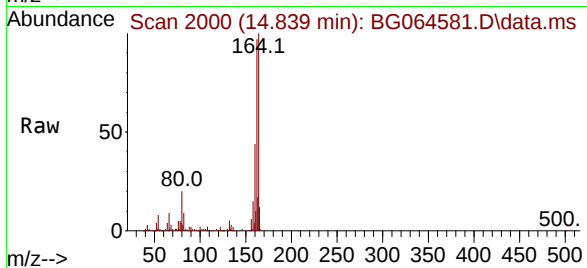
Tgt Ion:164 Resp: 121826

Ion Ratio Lower Upper

164 100

162 97.0 77.0 115.6

160 44.2 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 60.363 ng

RT: 16.313 min Scan# 2251

Delta R.T. -0.010 min

Lab File: BG064581.D

Acq: 24 Oct 2025 19:30

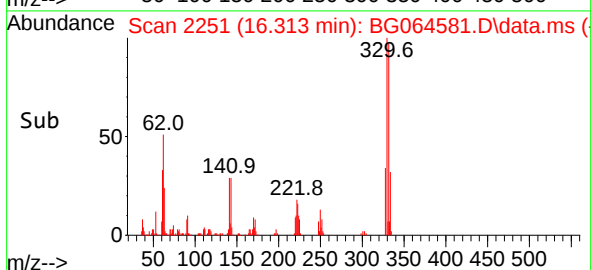
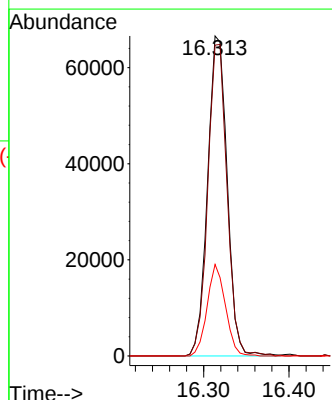
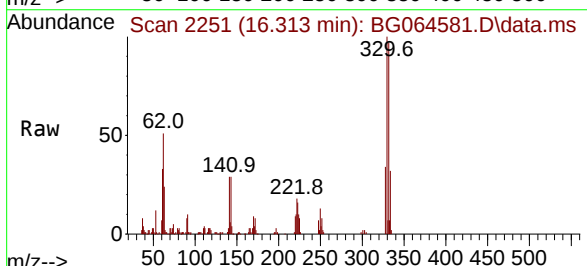
Tgt Ion:330 Resp: 106137

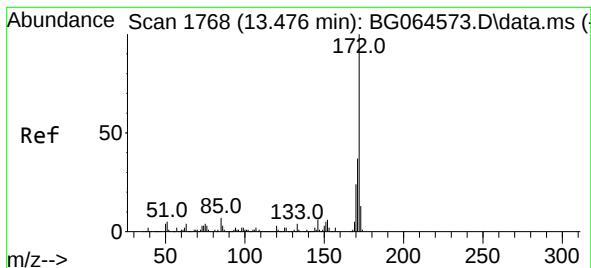
Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 26.7 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 46.307 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064581.D

Acq: 24 Oct 2025 19:30

Instrument :

BNA_G

ClientSampleId :

SW-10-20-25

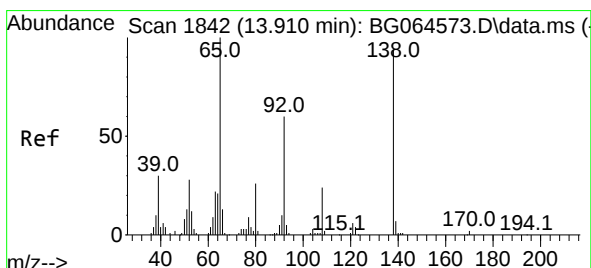
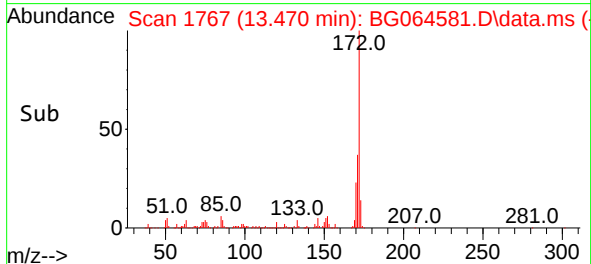
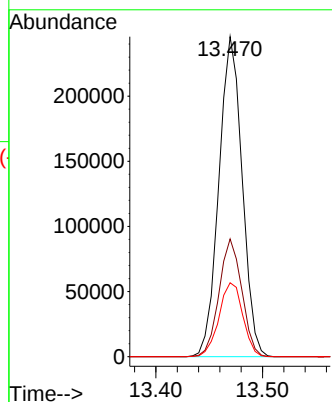
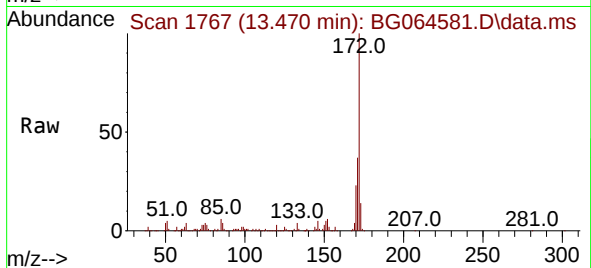
Tgt Ion:172 Resp: 372190

Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.0

170 23.1 19.1 28.7



#48

2-Nitroaniline

Concen: 3.501 ng

RT: 13.464 min Scan# 1766

Delta R.T. -0.450 min

Lab File: BG064581.D

Acq: 24 Oct 2025 19:30

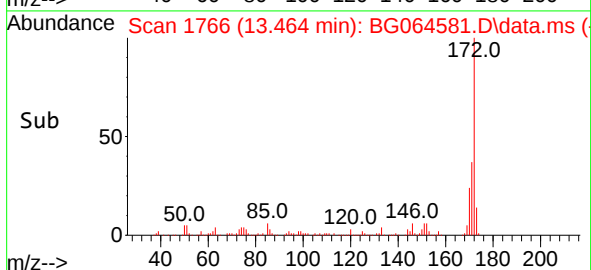
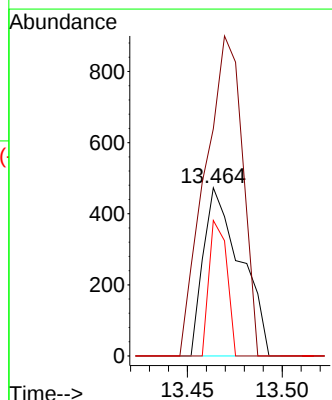
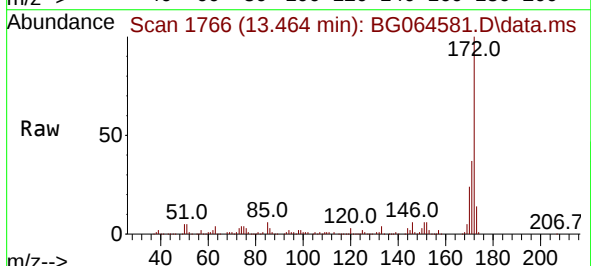
Tgt Ion: 65 Resp: 649

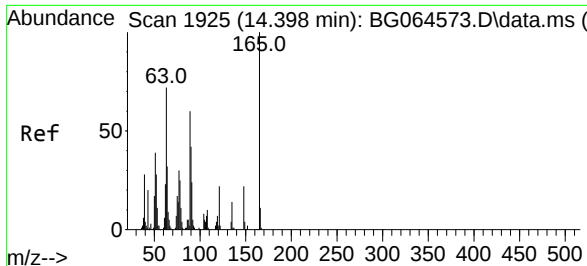
Ion Ratio Lower Upper

65 100

92 135.1 48.3 72.5#

138 80.5 74.9 112.3

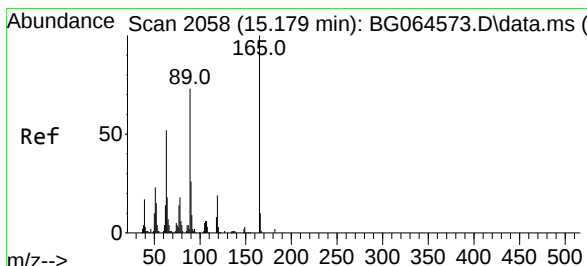
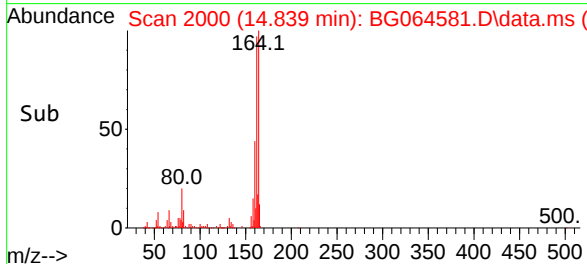
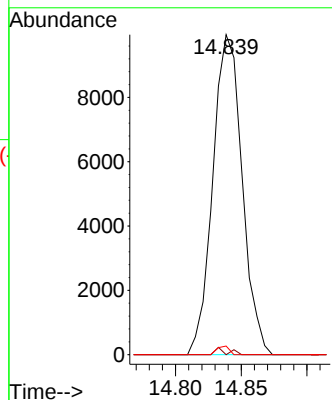
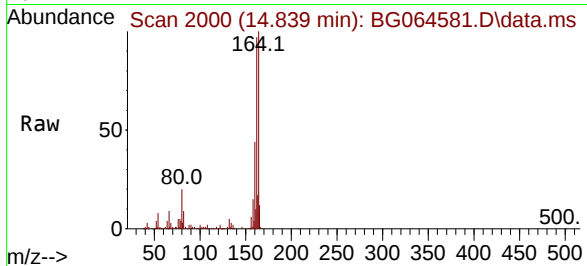




#51
2,6-Dinitrotoluene
Concen: 12.572 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

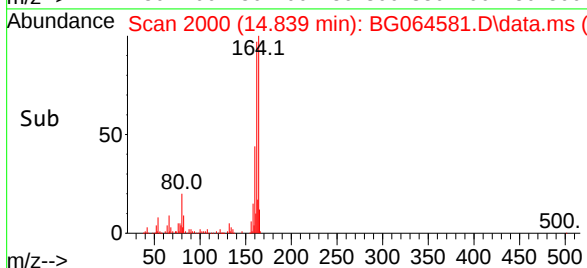
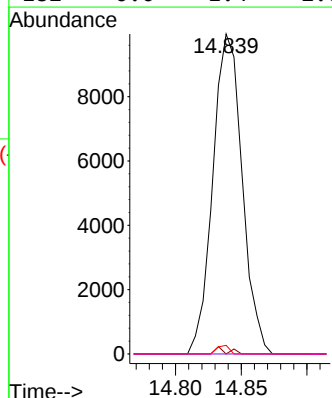
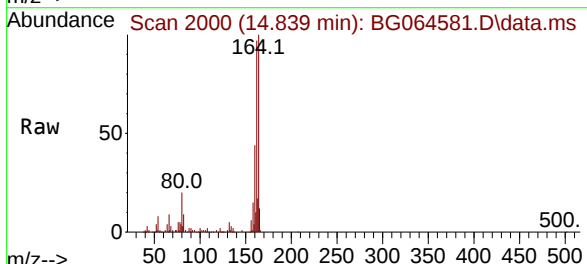
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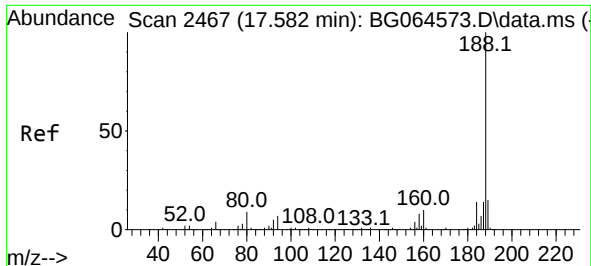
Tgt Ion:165 Resp: 15454
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 2.7 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.136 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.350 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion:165 Resp: 15454
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.7 58.1 87.1#
182 0.0 1.4 2.0#

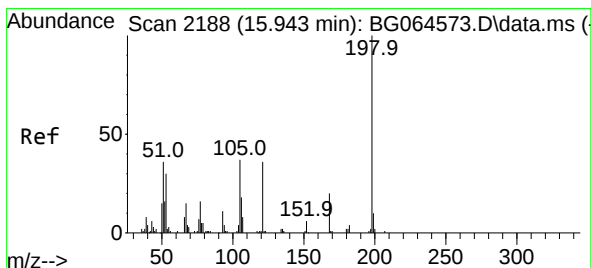
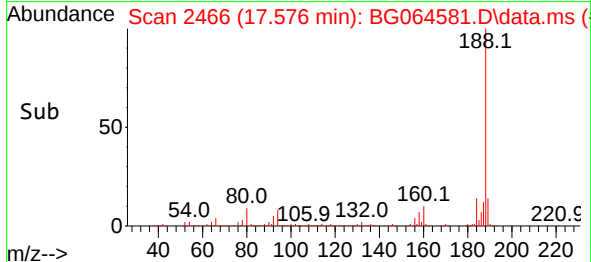
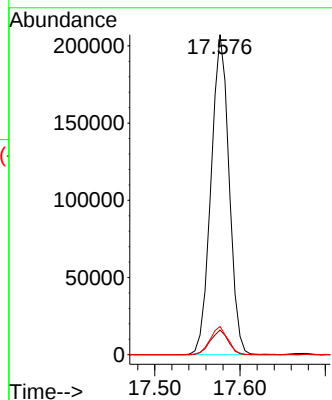
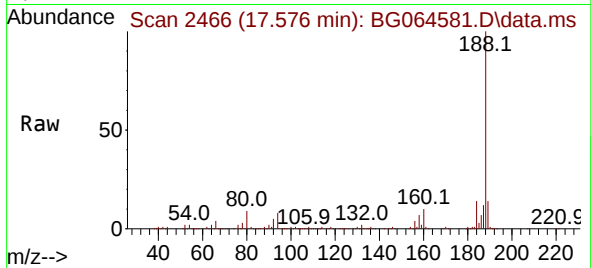




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2467
Delta R.T. -0.004 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

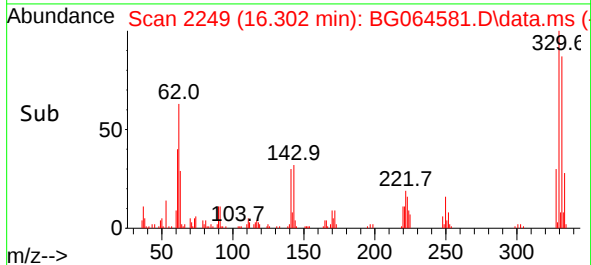
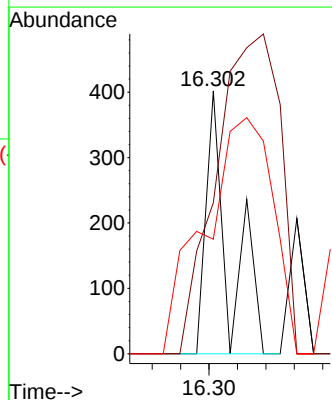
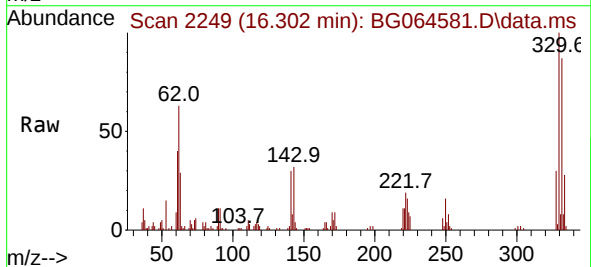
Instrument :
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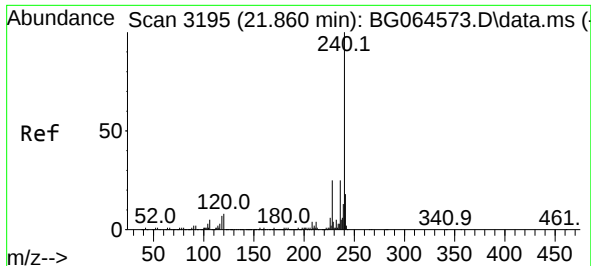
Tgt Ion:188 Resp: 304711
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.8 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.575 ng
RT: 16.302 min Scan# 2249
Delta R.T. 0.355 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion:198 Resp: 225
Ion Ratio Lower Upper
198 100
51 57.5 24.7 64.7
105 43.5 18.0 58.0

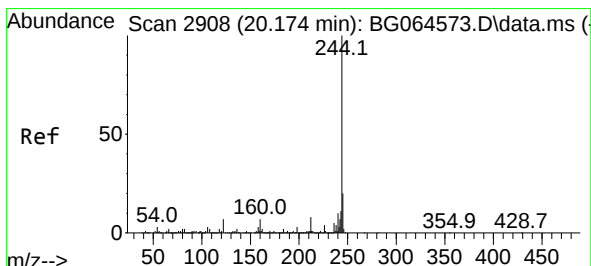
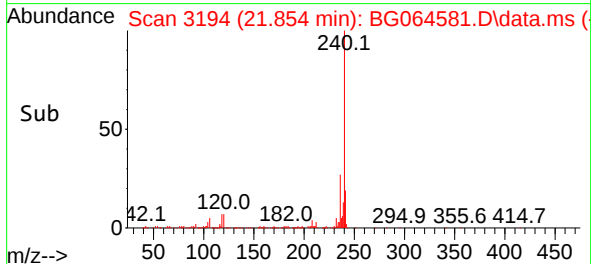
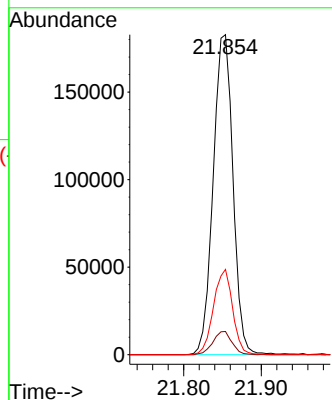
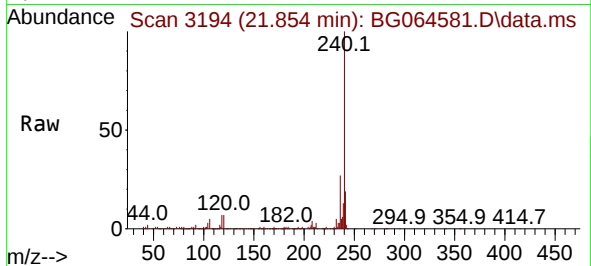




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3195
Delta R.T. -0.010 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

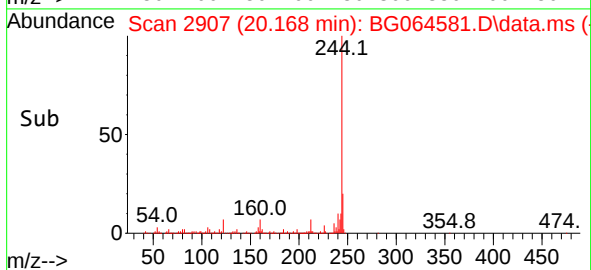
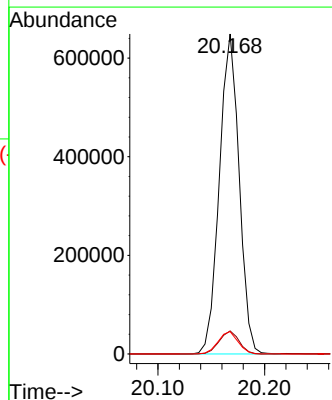
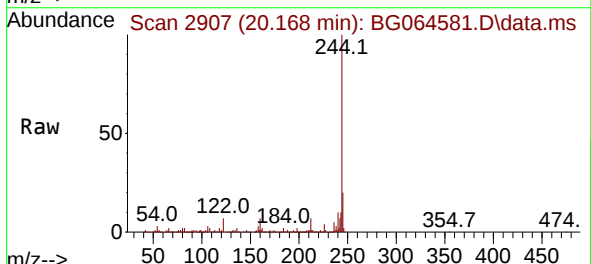
Instrument :
BNA_G
ClientSampleId :
SW-10-20-25

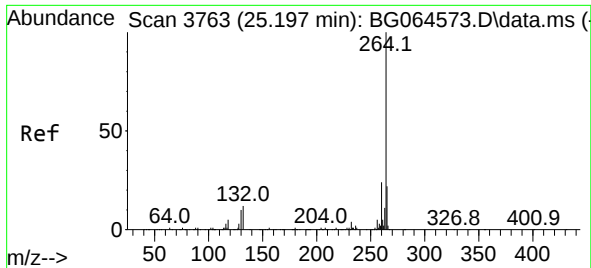
Tgt Ion:240 Resp: 324002
Ion Ratio Lower Upper
240 100
120 7.2 6.5 9.7
236 26.7 20.2 30.2



#79
Terphenyl-d14
Concen: 48.590 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.010 min
Lab File: BG064581.D
Acq: 24 Oct 2025 19:30

Tgt Ion:244 Resp: 834227
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 7.0 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.191 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: BG064581.D
 Acq: 24 Oct 2025 19:30

Instrument :
 BNA_G
 ClientSampleId :
 SW-10-20-25

Tgt Ion:264 Resp: 346107
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.4 17.6 26.4

