

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064579.D
 Acq On : 24 Oct 2025 18:08
 Operator : RC/JU
 Sample : Q3405-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAD-10-20-25-B

Quant Time: Oct 24 18:44:37 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)

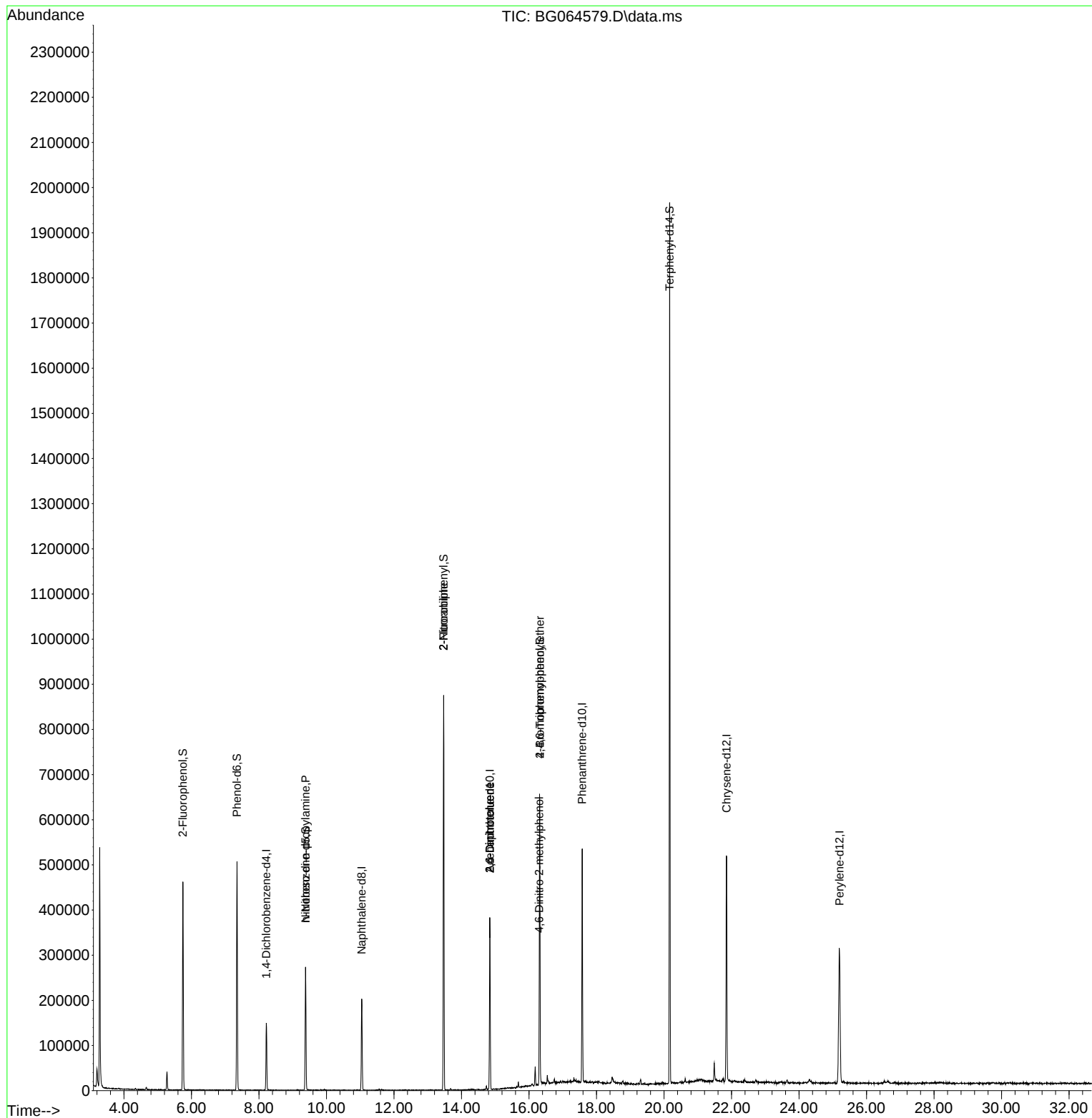
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	41405	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	161271	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	132688	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	322915	20.000	ng	0.00
76) Chrysene-d12	21.854	240	335079	20.000	ng	0.00
86) Perylene-d12	25.198	264	363557	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	180380	73.123	ng	0.00
7) Phenol-d6	7.348	99	261537	77.265	ng	0.00
23) Nitrobenzene-d5	9.381	82	143596	53.480	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	134140	70.044	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	448518	51.236	ng	0.00
79) Terphenyl-d14	20.168	244	958557	53.986	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.381	70	19274	8.239	ng	# 77
48) 2-Nitroaniline	13.470	65	797	3.536	ng	# 1
51) 2,6-Dinitrotoluene	14.839	165	17124	12.735	ng	# 20
57) 2,4-Dinitrotoluene	14.839	165	17124	9.242	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.302	198	561	5.777	ng	# 78
67) 4-Bromophenyl-phenylether	16.320	248	8105	2.118	ng	# 1

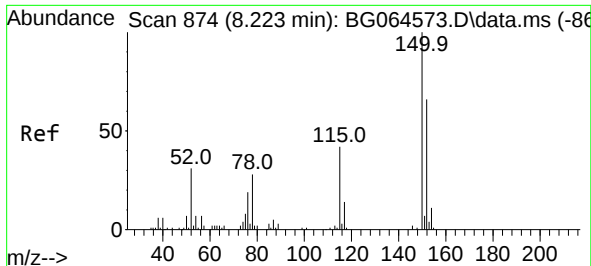
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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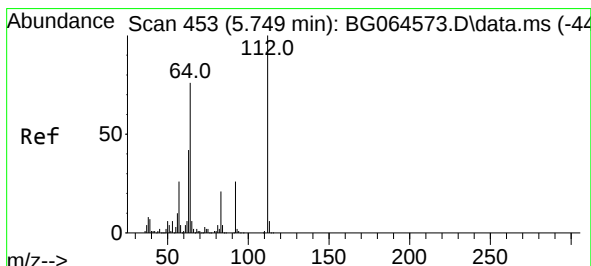
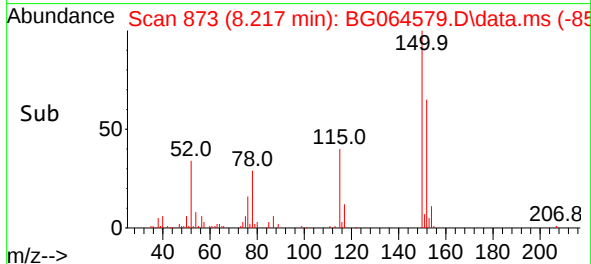
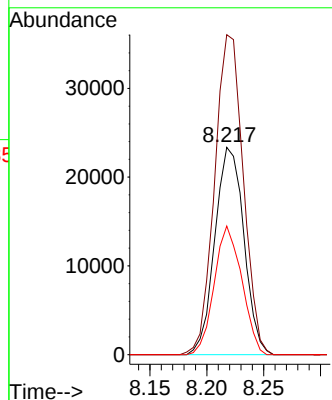
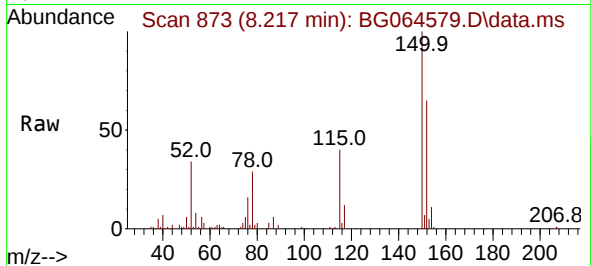




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

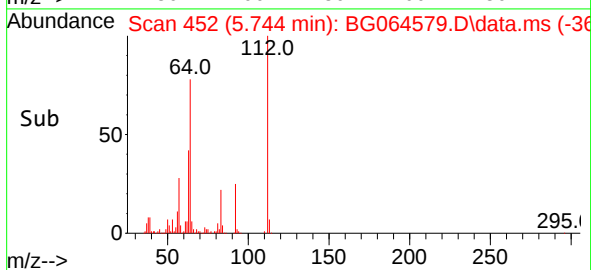
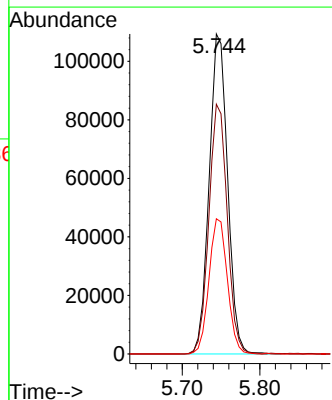
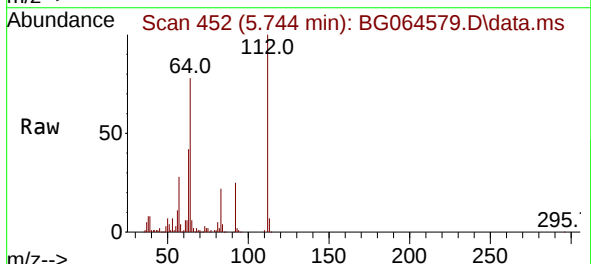
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

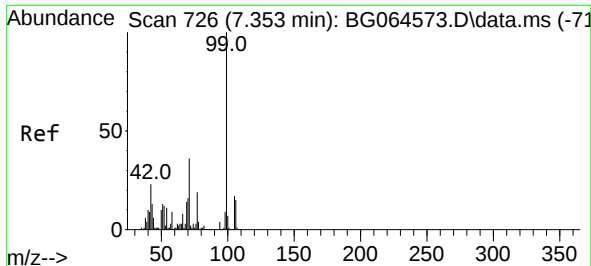
Tgt Ion:152 Resp: 41405
Ion Ratio Lower Upper
152 100
150 154.3 122.2 183.4
115 62.1 50.8 76.2



#5
2-Fluorophenol
Concen: 73.123 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:112 Resp: 180380
Ion Ratio Lower Upper
112 100
64 78.0 60.7 91.1
63 42.3 33.4 50.0

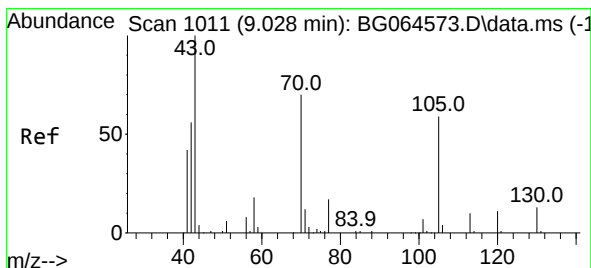
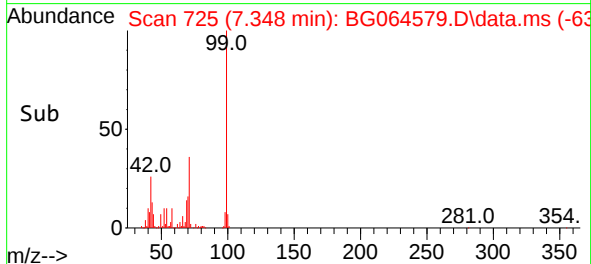
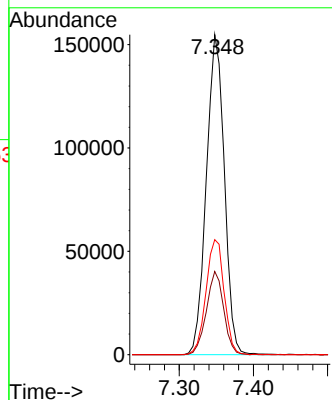
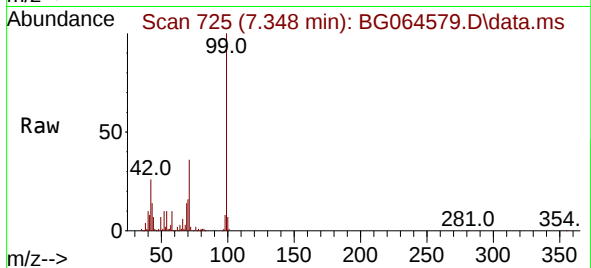




#7
Phenol-d6
Concen: 77.265 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

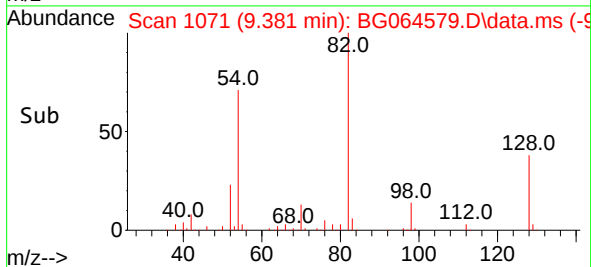
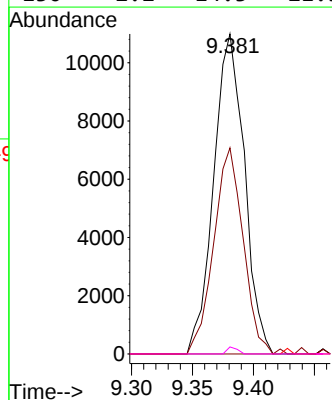
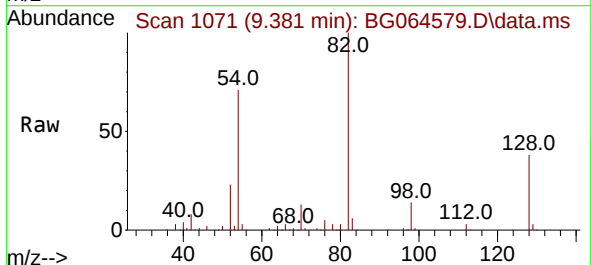
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

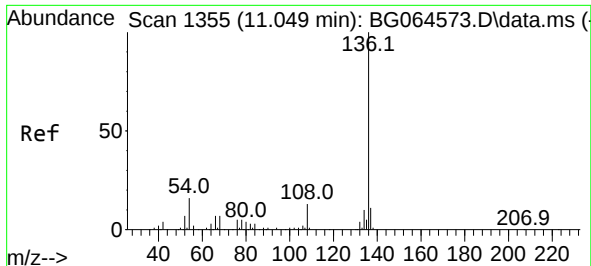
Tgt Ion: 99 Resp: 261537
Ion Ratio Lower Upper
99 100
42 26.0 18.3 27.5
71 35.9 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.239 ng
RT: 9.381 min Scan# 1071
Delta R.T. 0.349 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion: 70 Resp: 19274
Ion Ratio Lower Upper
70 100
42 64.4 65.2 97.8#
101 0.0 7.9 11.9#
130 2.2 14.3 21.5#

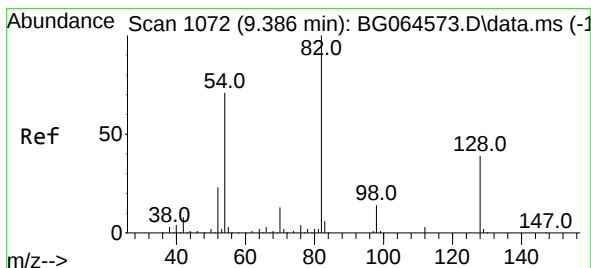
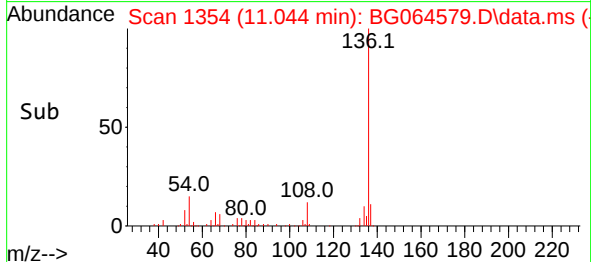
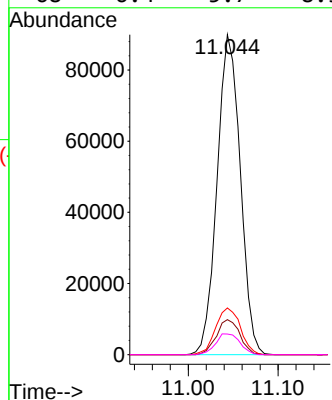
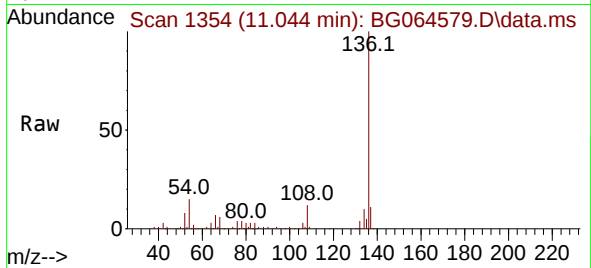




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

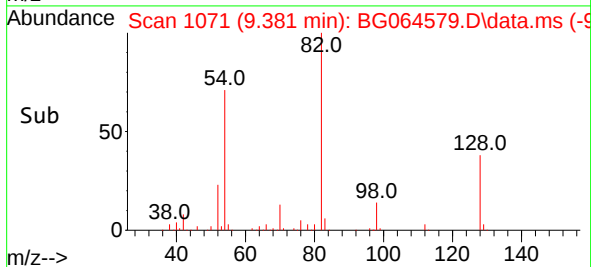
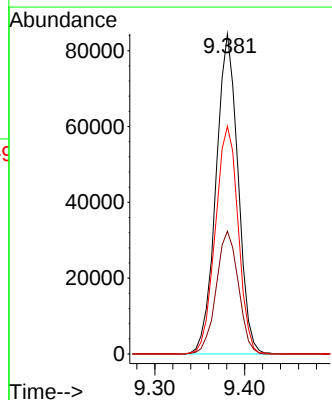
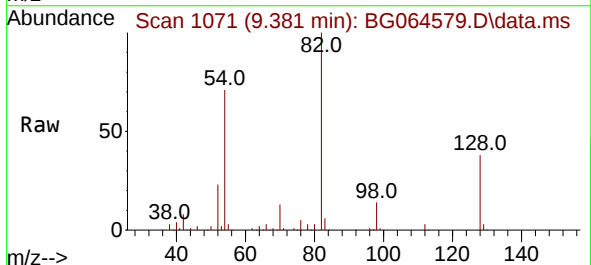
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

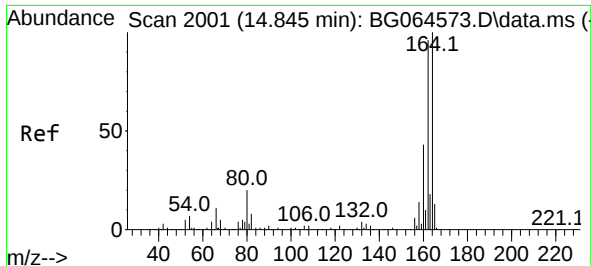
Tgt Ion:	136	Resp:	161271
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	14.6	12.6	19.0
68	6.4	5.7	8.5



#23
Nitrobenzene-d5
Concen: 53.480 ng
RT: 9.381 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:	82	Resp:	143596
Ion	Ratio	Lower	Upper
82	100		
128	38.4	31.3	46.9
54	71.2	56.6	84.8

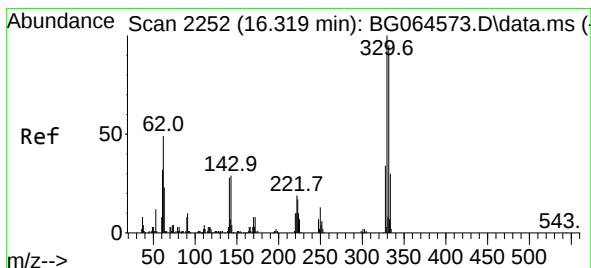
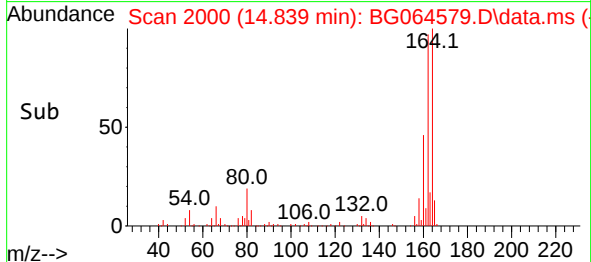
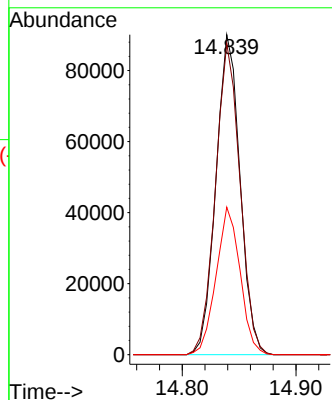
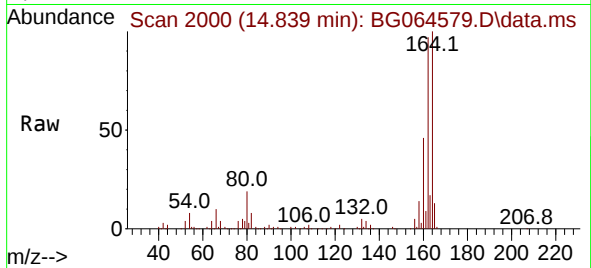




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

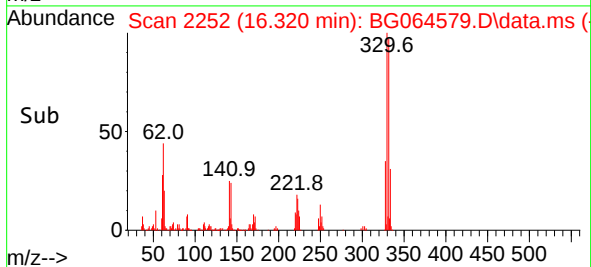
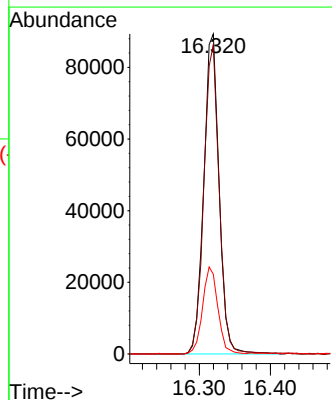
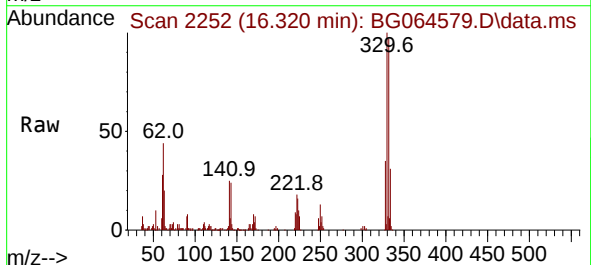
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

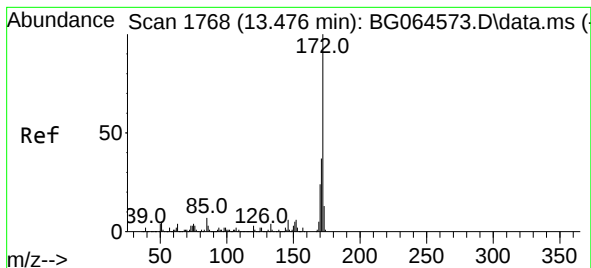
Tgt Ion:164 Resp: 132688
Ion Ratio Lower Upper
164 100
162 97.3 77.0 115.6
160 46.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 70.044 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:330 Resp: 134140
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 27.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 51.236 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064579.D

Acq: 24 Oct 2025 18:08

Instrument :

BNA_G

ClientSampleId :

PAD-10-20-25-B

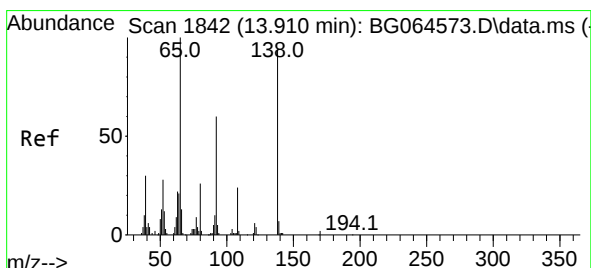
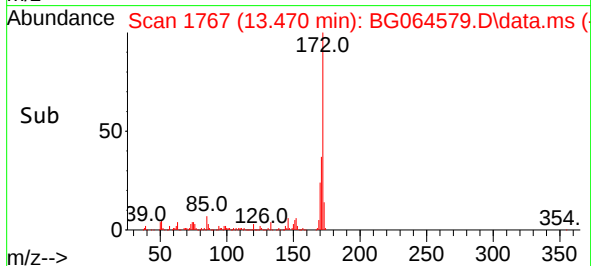
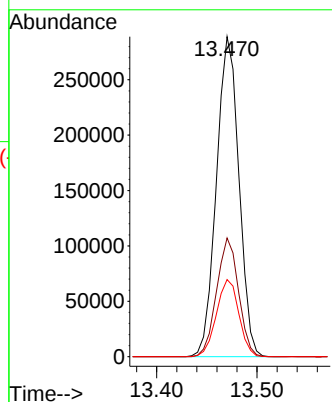
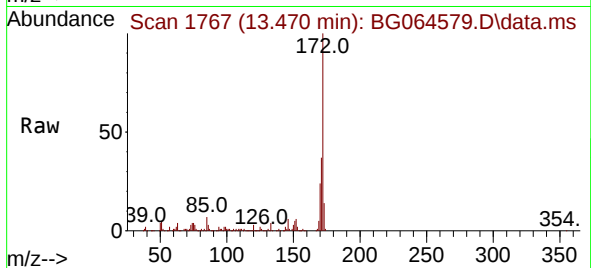
Tgt Ion:172 Resp: 448518

Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

170 24.1 19.1 28.7



#48

2-Nitroaniline

Concen: 3.536 ng

RT: 13.470 min Scan# 1767

Delta R.T. -0.444 min

Lab File: BG064579.D

Acq: 24 Oct 2025 18:08

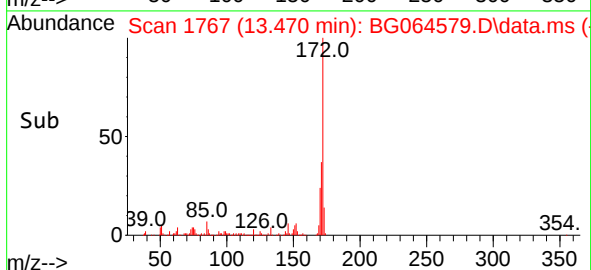
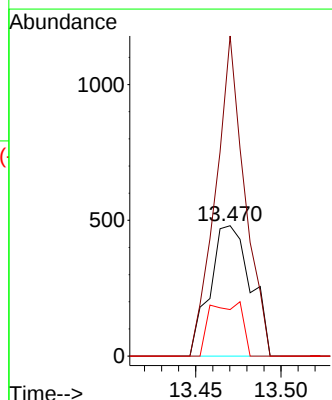
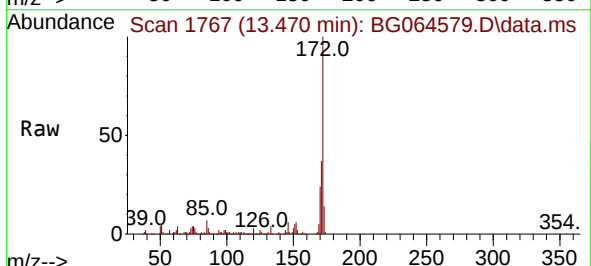
Tgt Ion: 65 Resp: 797

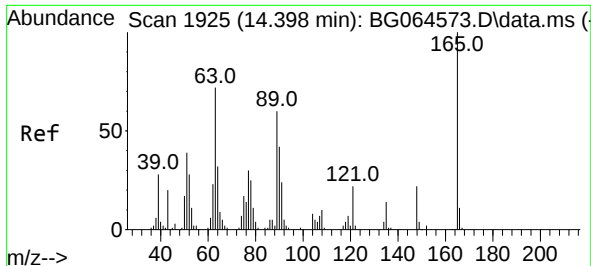
Ion Ratio Lower Upper

65 100

92 245.6 48.3 72.5#

138 35.6 74.9 112.3#

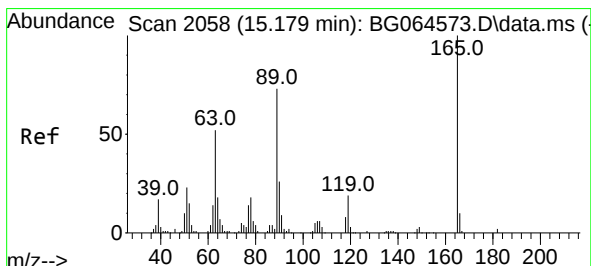
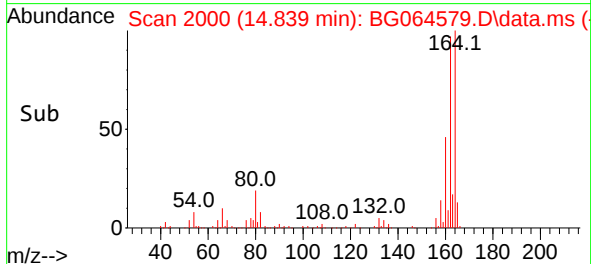
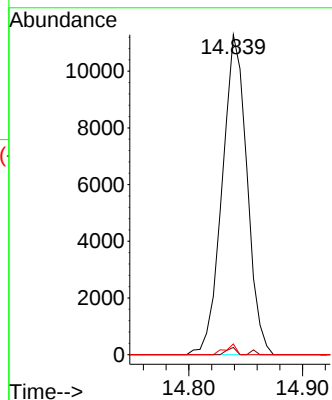
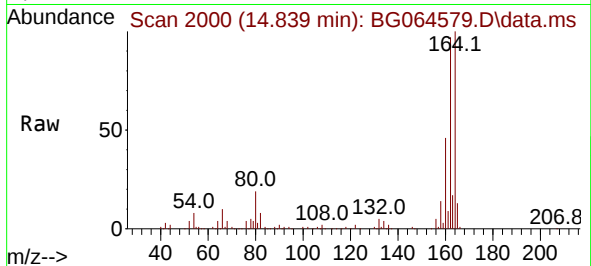




#51
2,6-Dinitrotoluene
Concen: 12.735 ng
RT: 14.839 min Scan# 2000
Delta R.T. 0.437 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

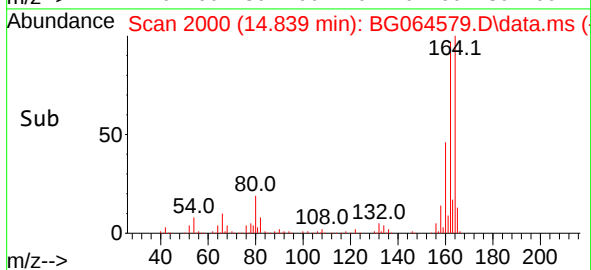
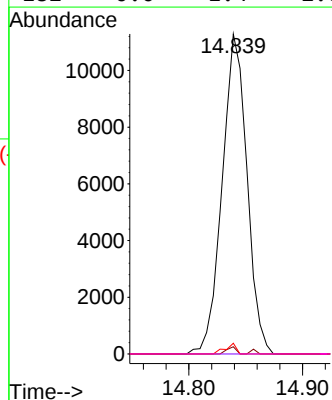
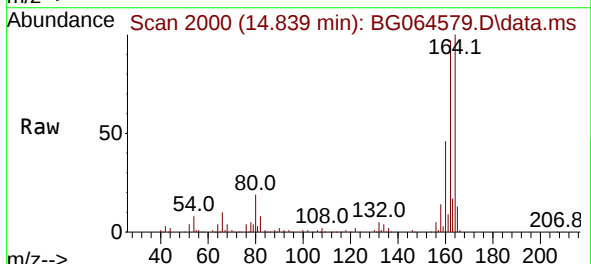
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BNA_G
ClientSampleId :
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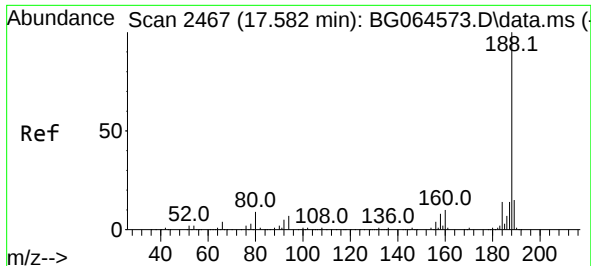
Tgt Ion:165 Resp: 17124
Ion Ratio Lower Upper
165 100
63 2.3 57.4 86.0#
89 3.4 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.242 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.350 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:165 Resp: 17124
Ion Ratio Lower Upper
165 100
63 2.3 41.8 62.8#
89 3.4 58.1 87.1#
182 0.0 1.4 2.0#

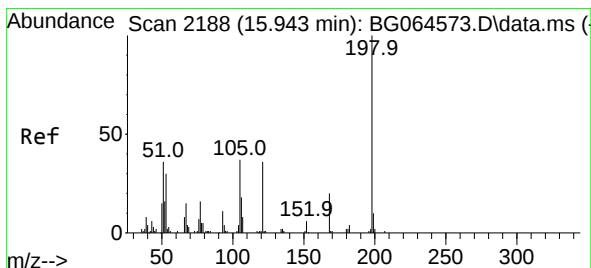
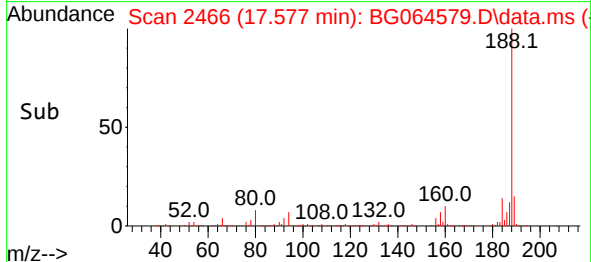
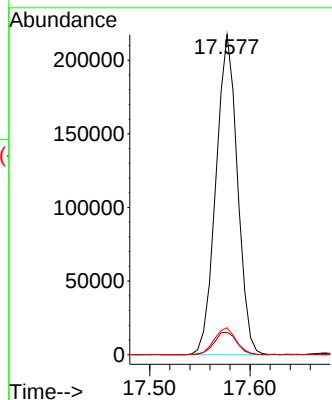
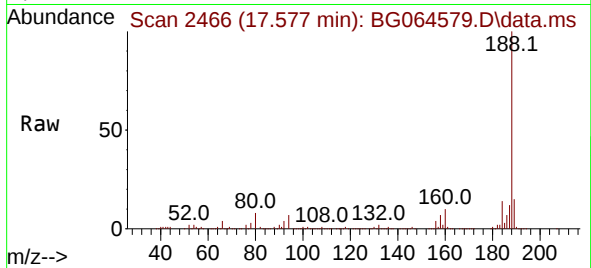




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

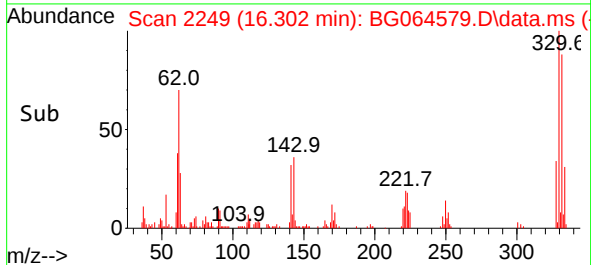
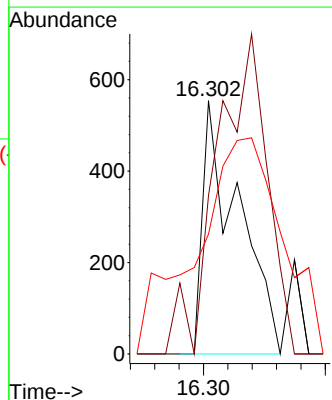
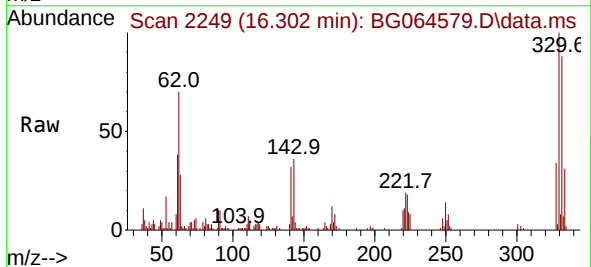
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

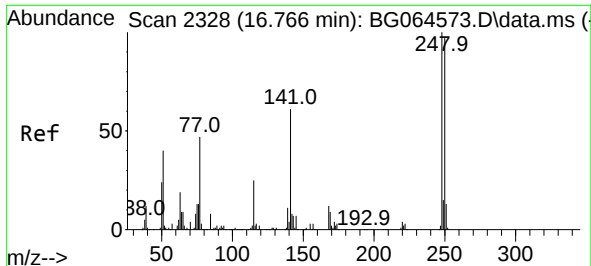
Tgt Ion:188 Resp: 322915
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 8.4 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.777 ng
RT: 16.302 min Scan# 2249
Delta R.T. 0.355 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 62.6 24.7 64.7
105 47.3 18.0 58.0

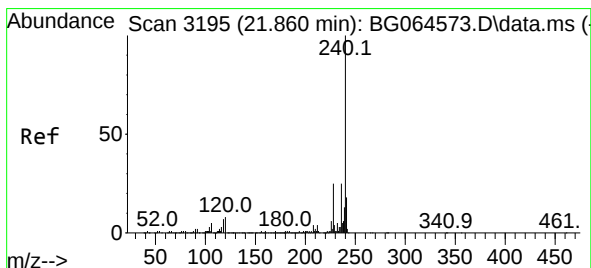
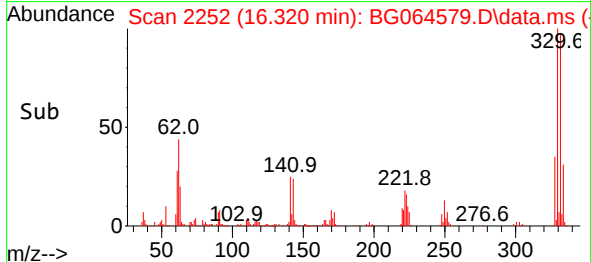
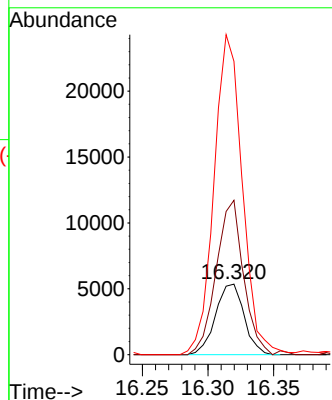
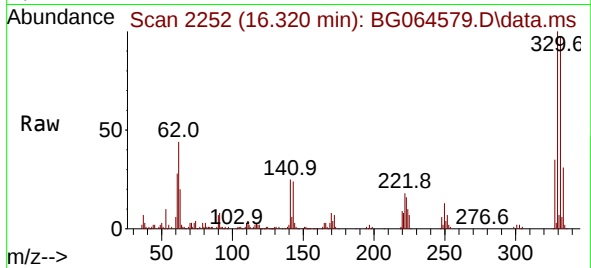




#67
4-Bromophenyl-phenylether
Concen: 2.118 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.450 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

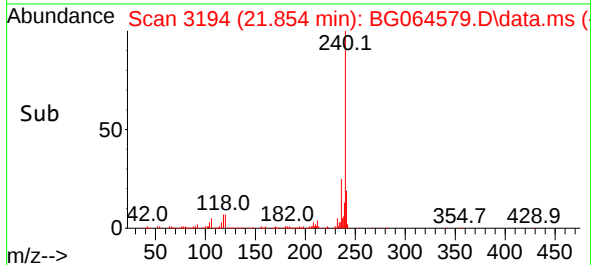
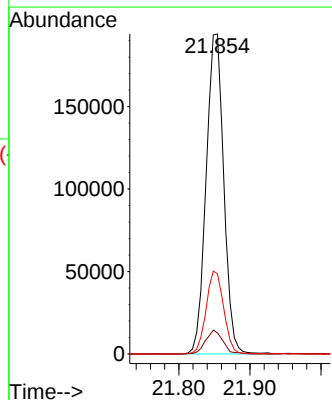
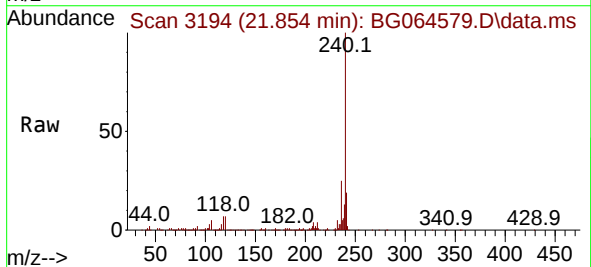
Instrument :
BNA_G
ClientSampleId :
PAD-10-20-25-B

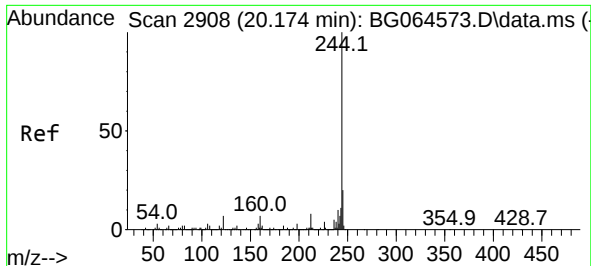
Tgt Ion:248 Resp: 8105
Ion Ratio Lower Upper
248 100
250 217.4 77.7 116.5#
141 321.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064579.D
Acq: 24 Oct 2025 18:08

Tgt Ion:240 Resp: 335079
Ion Ratio Lower Upper
240 100
120 6.6 6.5 9.7
236 25.0 20.2 30.2



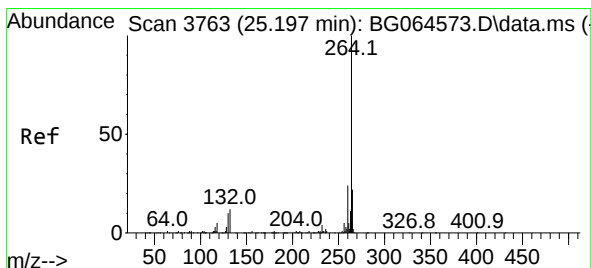
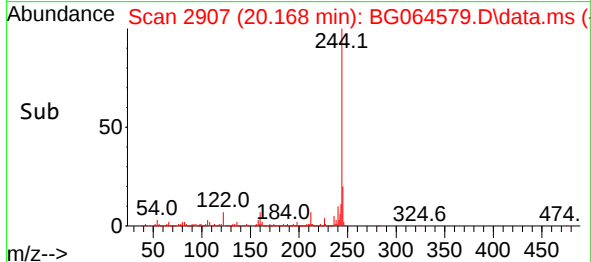
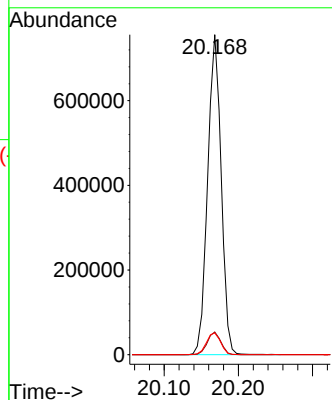
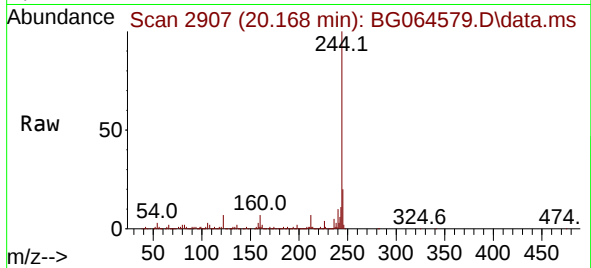


#79
 Terphenyl-d14
 Concen: 53.986 ng
 RT: 20.168 min Scan# 2907
 Delta R.T. -0.009 min
 Lab File: BG064579.D
 Acq: 24 Oct 2025 18:08

Instrument :
 BNA_G
 ClientSampleId :
 PAD-10-20-25-B

Tgt Ion:244 Resp: 958557

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.8	5.6	8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.198 min Scan# 3763
 Delta R.T. -0.003 min
 Lab File: BG064579.D
 Acq: 24 Oct 2025 18:08

Tgt Ion:264 Resp: 363557

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.2	17.6	26.4

