

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090425\
 Data File : BG064286.D
 Acq On : 4 Sep 2025 18:05
 Operator : RC/JU
 Sample : PB169528BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169528BL

Quant Time: Sep 04 18:40:28 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)

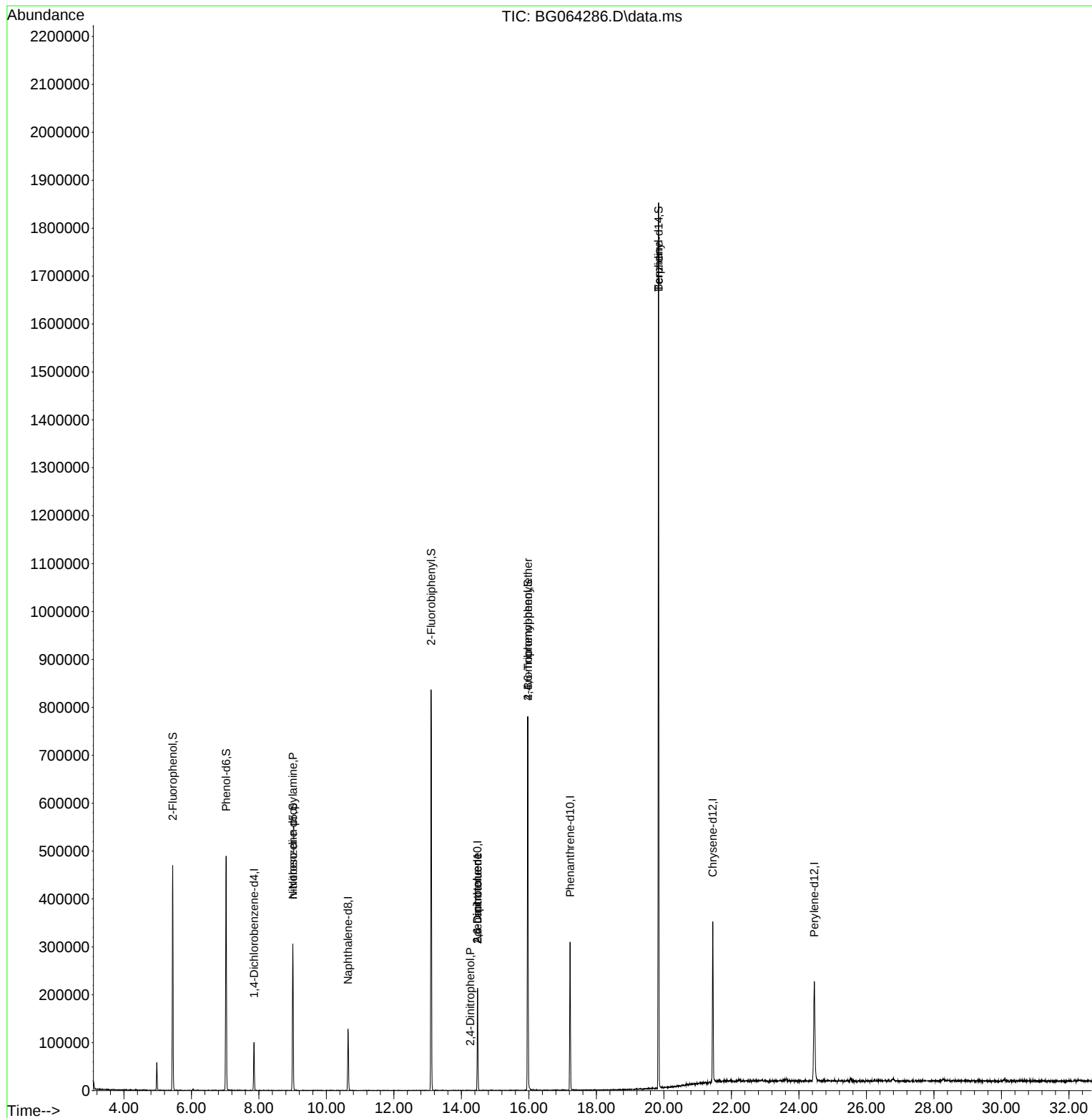
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.855	152	23451	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	97762	20.000	ng	-0.01
39) Acenaphthene-d10	14.476	164	74722	20.000	ng	0.00
64) Phenanthrene-d10	17.220	188	184948	20.000	ng	0.00
76) Chrysene-d12	21.445	240	197016	20.000	ng	-0.01
86) Perylene-d12	24.453	264	213678	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	170134	130.159	ng	0.00
7) Phenol-d6	7.026	99	222114	123.688	ng	0.00
23) Nitrobenzene-d5	9.006	82	157457	89.825	ng	-0.01
42) 2,4,6-Tribromophenol	15.969	330	143390	144.878	ng	0.00
45) 2-Fluorobiphenyl	13.102	172	401620	82.039	ng	-0.01
79) Terphenyl-d14	19.841	244	851755	90.199	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.006	70	23267	16.929	ng	# 74
51) 2,6-Dinitrotoluene	14.476	165	9798	8.948	ng	# 16
54) 2,4-Dinitrophenol	14.265	184	77	5.751	ng	# 12
57) 2,4-Dinitrotoluene	14.476	165	9798	5.918	ng	# 19
67) 4-Bromophenyl-phenylether	15.969	248	10327	5.257	ng	# 1
77) Benzydine	19.841	184	16901	4.078	ng	# 93

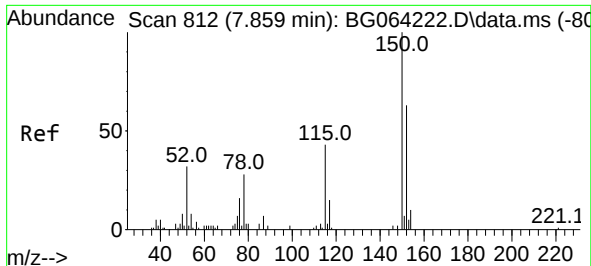
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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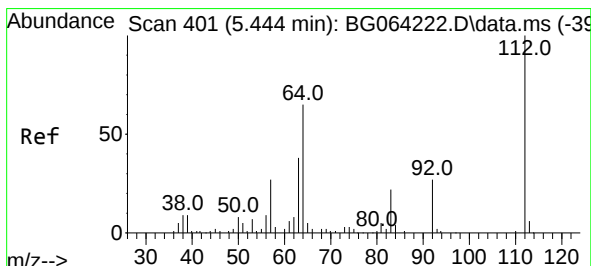
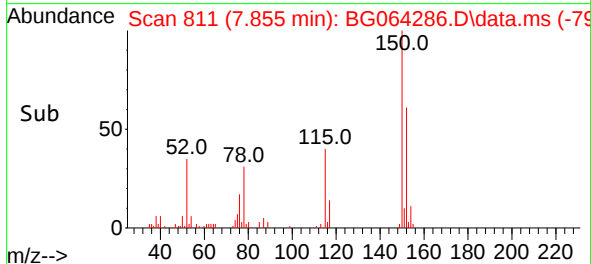
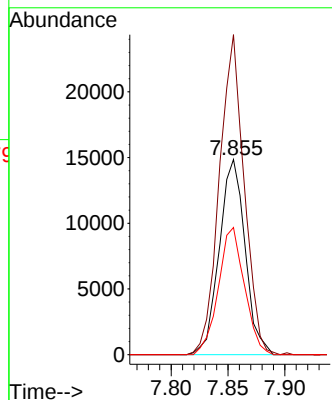
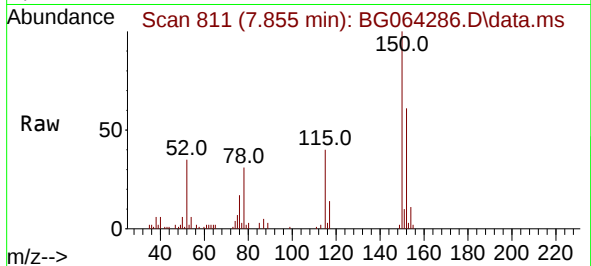




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.855 min Scan# 812
Delta R.T. -0.004 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

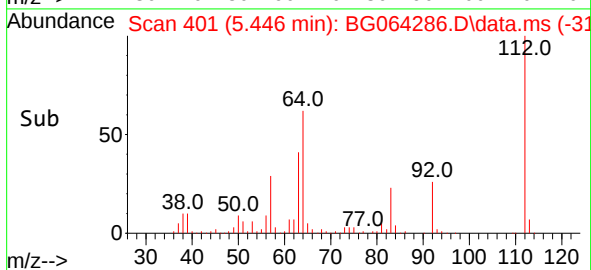
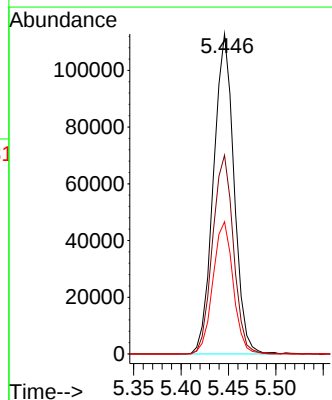
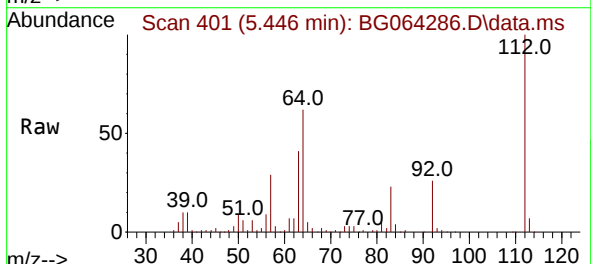
Instrument :
BNA_G
ClientSampleId :
PB169528BL

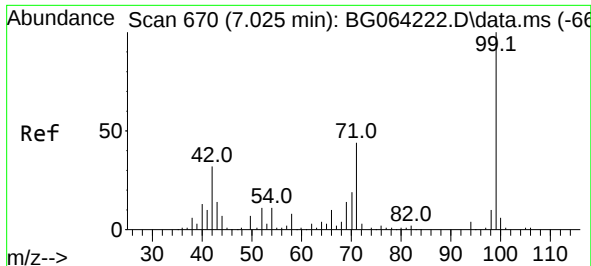
Tgt Ion:152 Resp: 23451
Ion Ratio Lower Upper
152 100
150 163.9 128.0 192.0
115 65.1 55.7 83.5



#5
2-Fluorophenol
Concen: 130.159 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.001 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

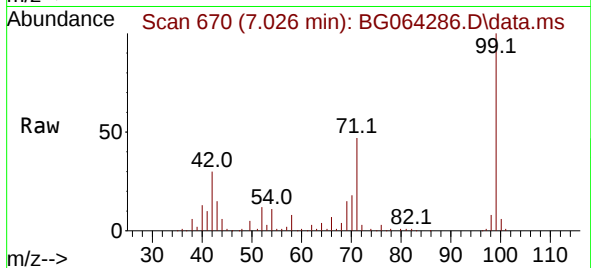
Tgt Ion:112 Resp: 170134
Ion Ratio Lower Upper
112 100
64 62.1 51.8 77.6
63 41.3 30.6 45.8



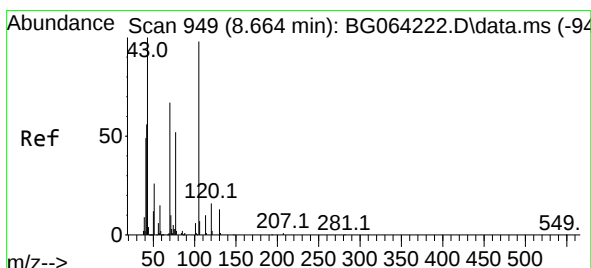
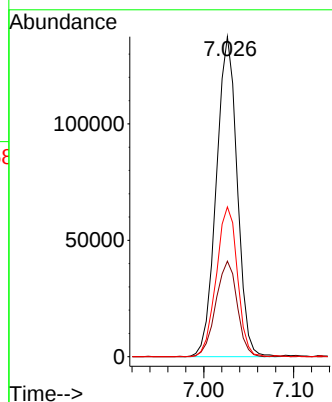
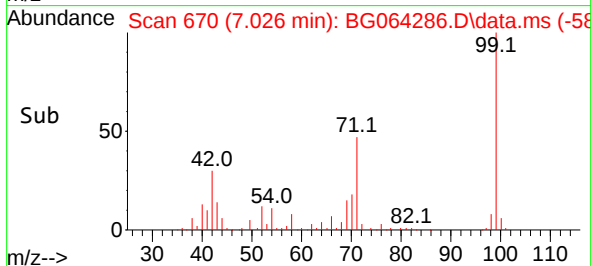


#7
Phenol-d6
Concen: 123.688 ng
RT: 7.026 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

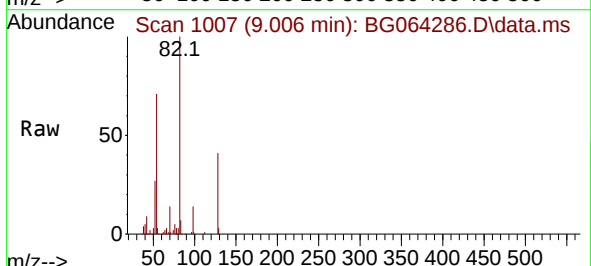
Instrument :
BNA_G
ClientSampleId :
PB169528BL



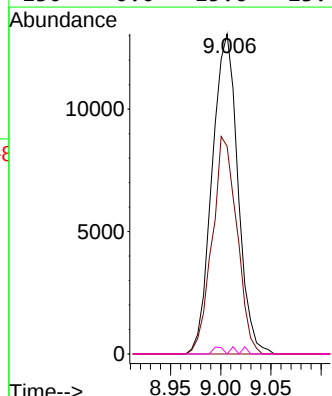
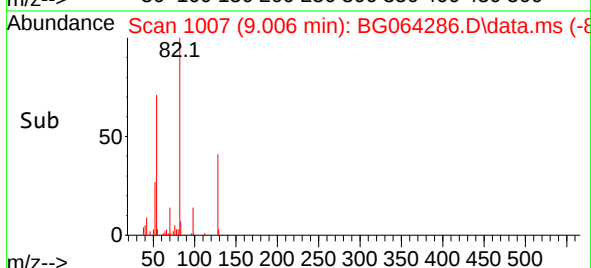
Tgt Ion: 99 Resp: 222114
Ion Ratio Lower Upper
99 100
42 29.9 25.8 38.8
71 46.8 35.2 52.8

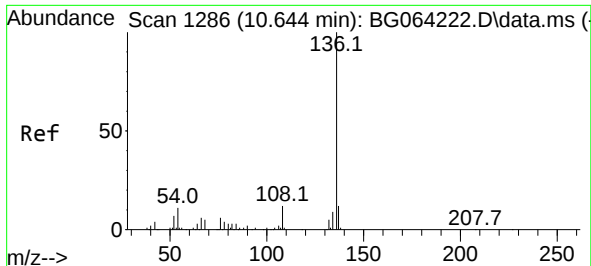


#19
n-Nitroso-di-n-propylamine
Concen: 16.929 ng
RT: 9.006 min Scan# 1007
Delta R.T. 0.342 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05



Tgt Ion: 70 Resp: 23267
Ion Ratio Lower Upper
70 100
42 64.9 67.9 101.9#
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#

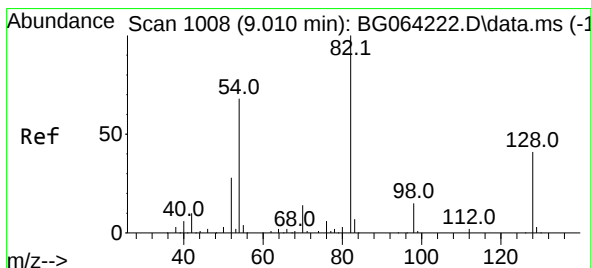
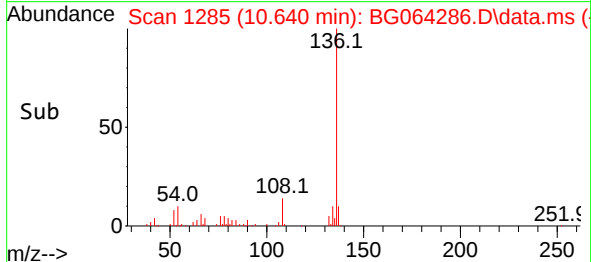
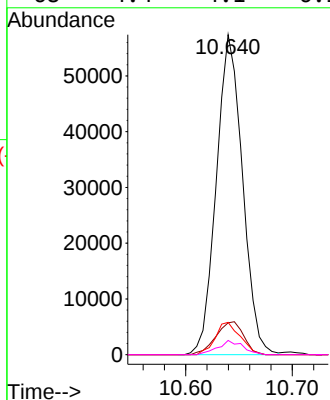
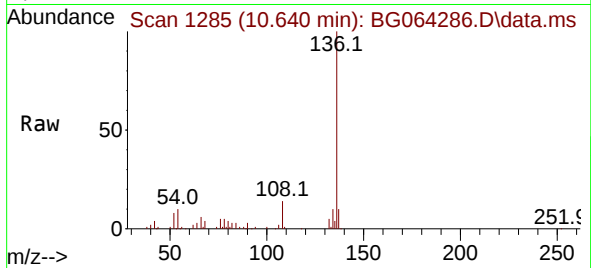




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

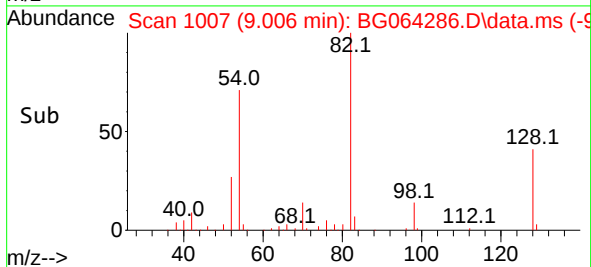
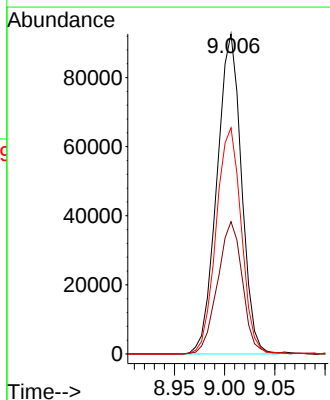
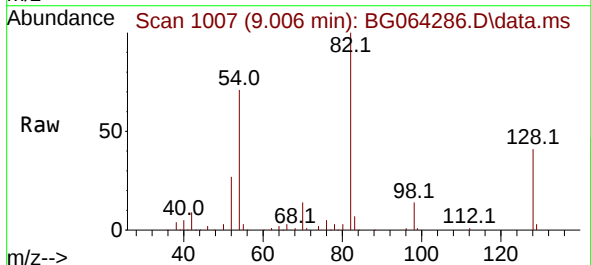
Instrument :
BNA_G
ClientSampleId :
PB169528BL

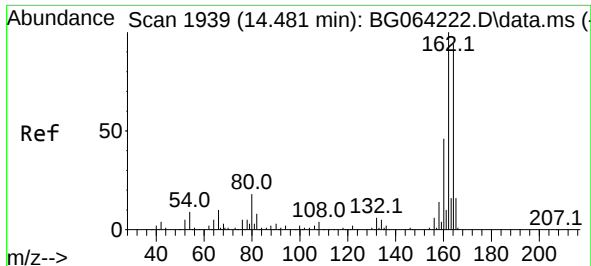
Tgt Ion:136	Resp:	97762
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.6 14.4
54	10.1	8.8 13.2
68	4.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 89.825 ng
RT: 9.006 min Scan# 1007
Delta R.T. -0.010 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

Tgt Ion: 82	Resp:	157457
Ion Ratio	Lower	Upper
82	100	
128	41.3	32.6 48.8
54	70.7	54.7 82.1

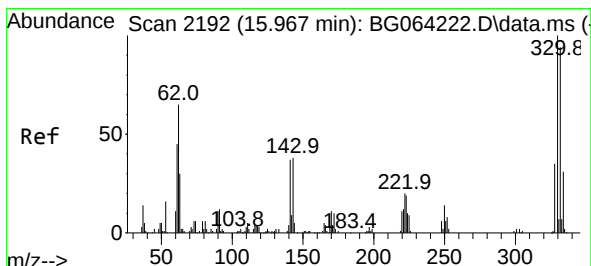
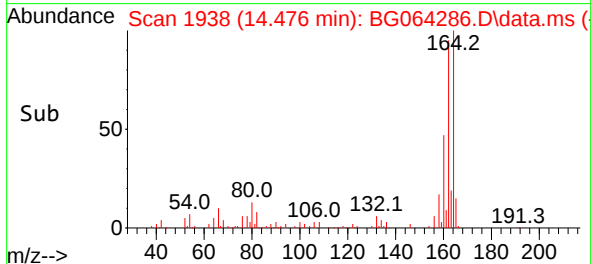
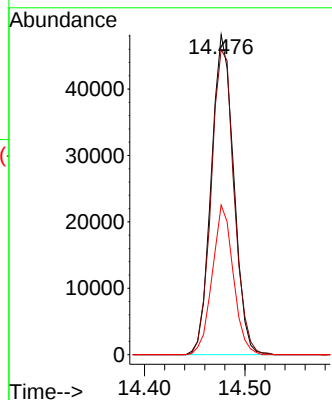
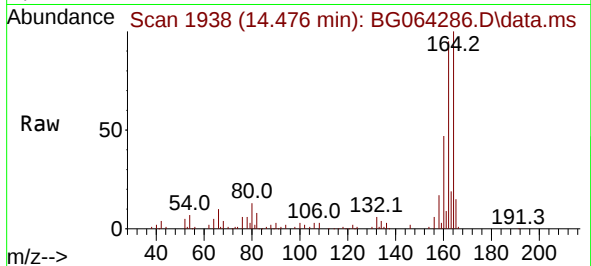




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.476 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

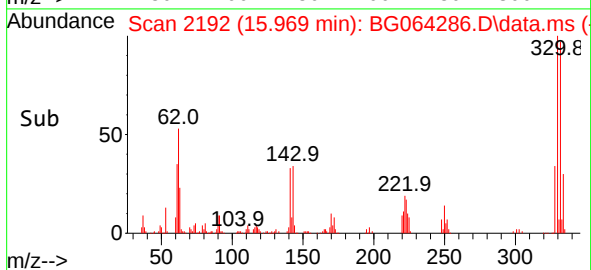
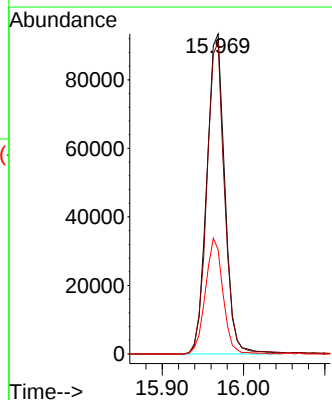
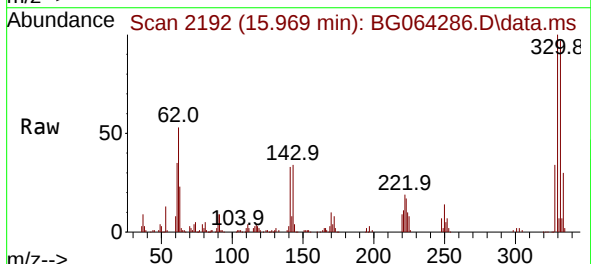
Instrument :
BNA_G
ClientSampleId :
PB169528BL

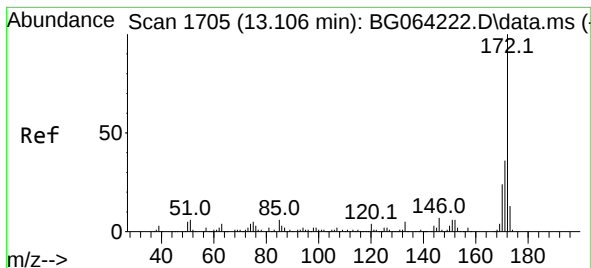
Tgt Ion:164 Resp: 74722
Ion Ratio Lower Upper
164 100
162 95.4 85.4 128.0
160 46.7 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 144.878 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

Tgt Ion:330 Resp: 143390
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 35.3 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 82.039 ng

RT: 13.102 min Scan# 1

Delta R.T. -0.010 min

Lab File: BG064286.D

Acq: 4 Sep 2025 18:05

Instrument :

BNA_G

ClientSampleId :

PB169528BL

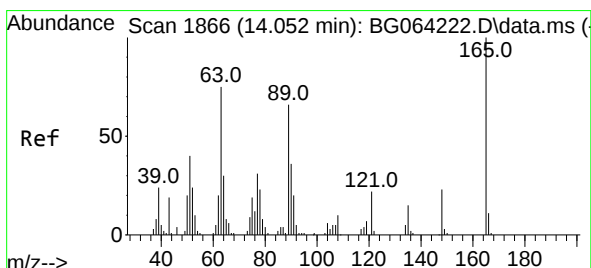
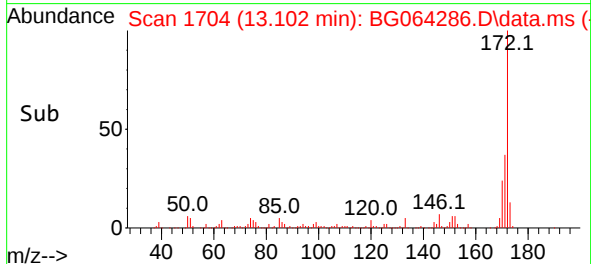
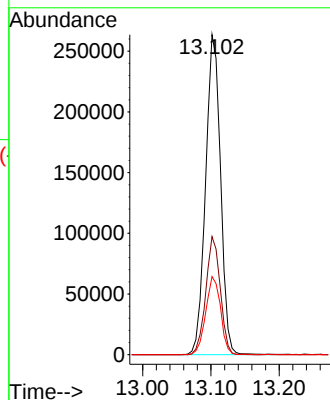
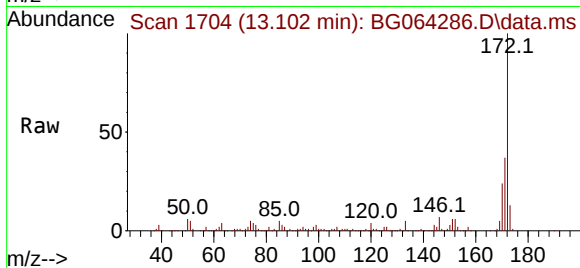
Tgt Ion:172 Resp: 401620

Ion Ratio Lower Upper

172 100

171 36.9 28.7 43.1

170 24.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.948 ng

RT: 14.476 min Scan# 1938

Delta R.T. 0.419 min

Lab File: BG064286.D

Acq: 4 Sep 2025 18:05

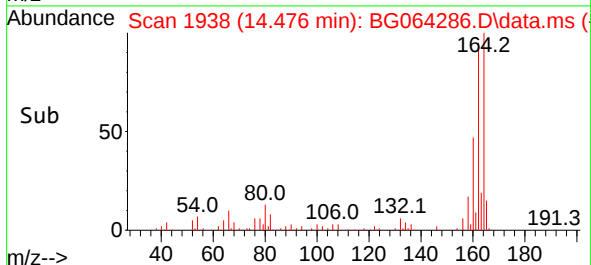
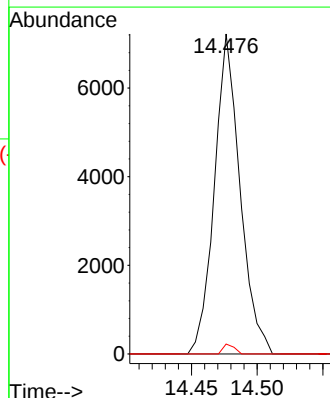
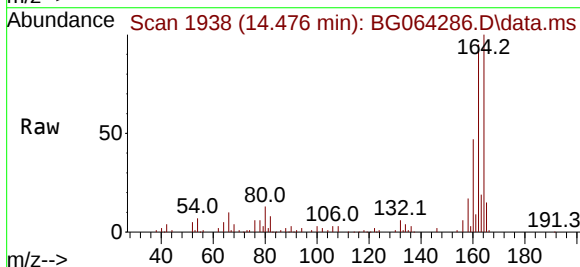
Tgt Ion:165 Resp: 9798

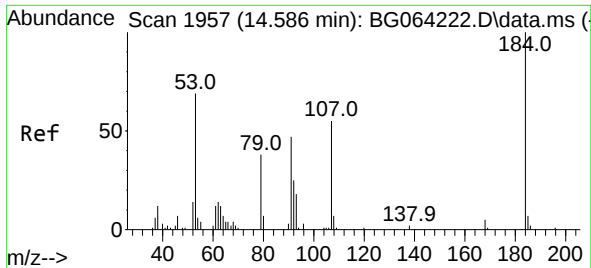
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

89 3.1 52.9 79.3#

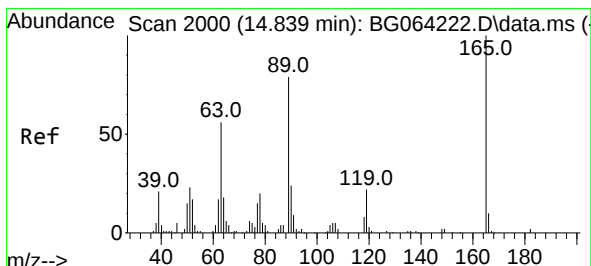
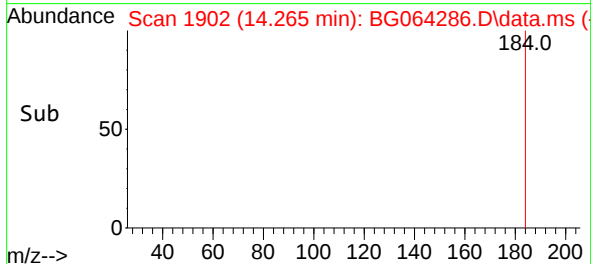
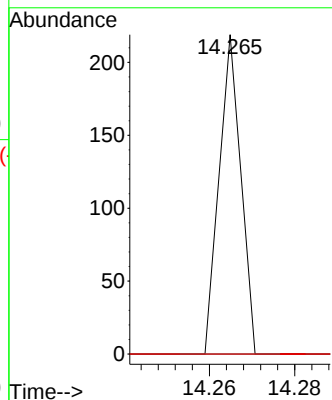
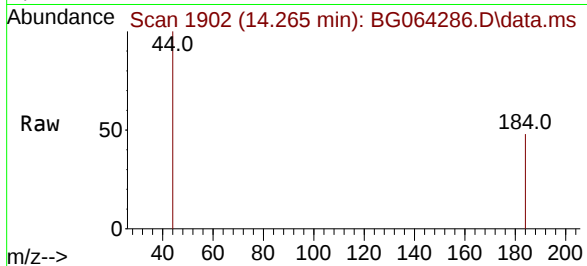




#54
2,4-Dinitrophenol
Concen: 5.751 ng
RT: 14.265 min Scan# 1957
Delta R.T. -0.327 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

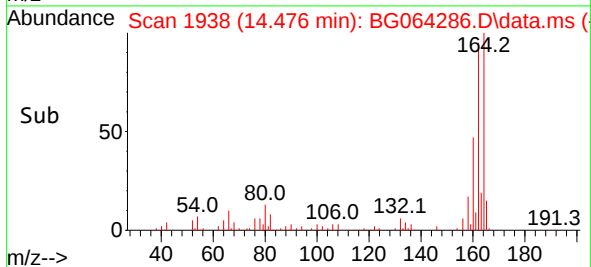
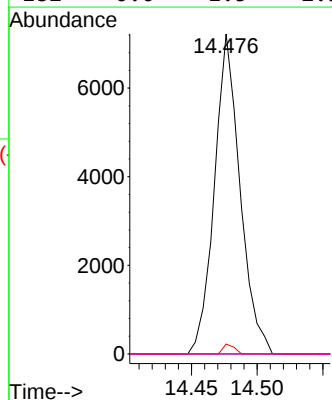
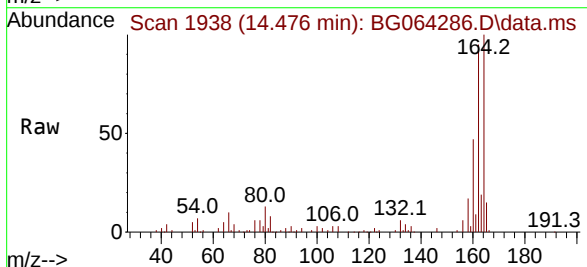
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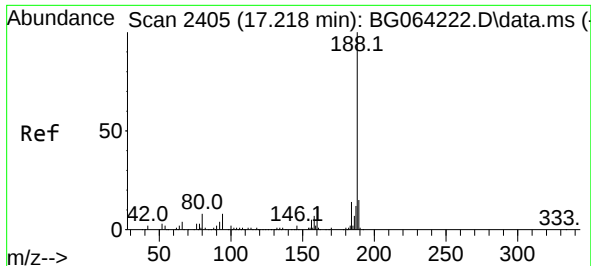
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 5.918 ng
RT: 14.476 min Scan# 1938
Delta R.T. -0.369 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

Tgt Ion:165 Resp: 9798
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 3.1 63.0 94.4#
182 0.0 1.5 2.3#

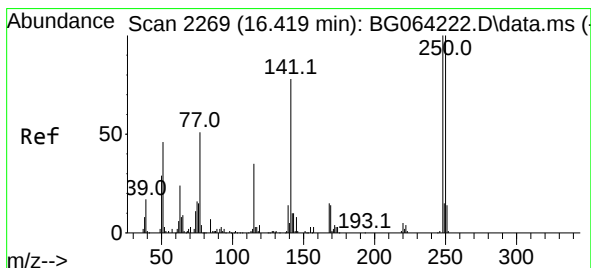
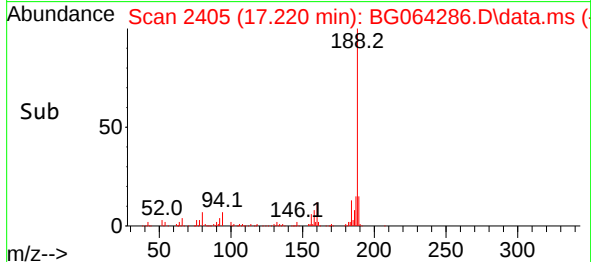
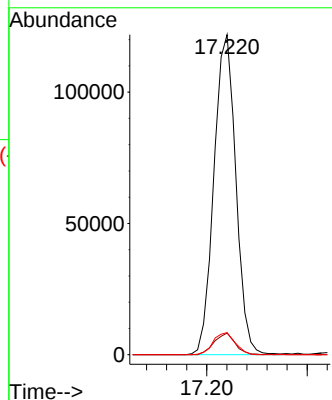
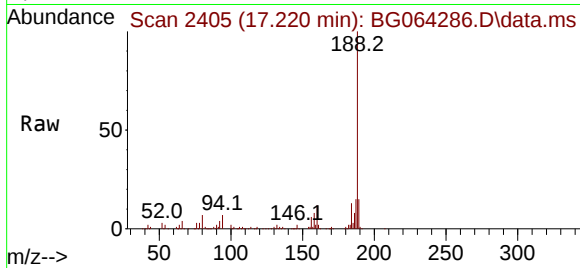




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.220 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

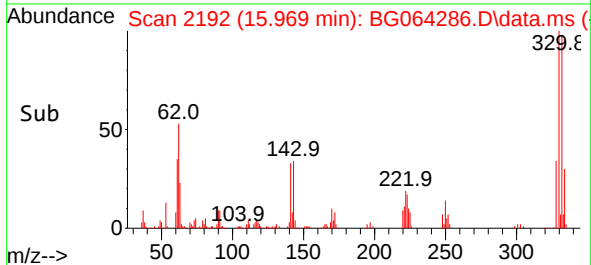
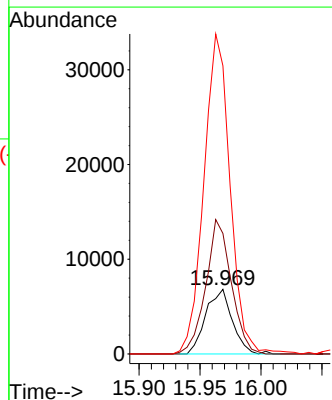
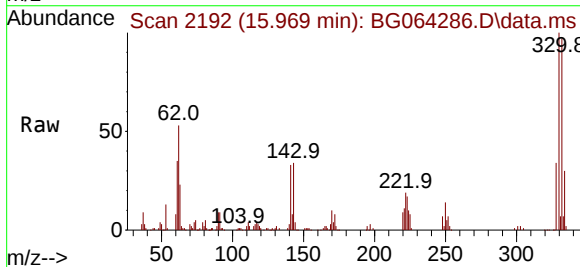
Instrument :
BNA_G
ClientSampleId :
PB169528BL

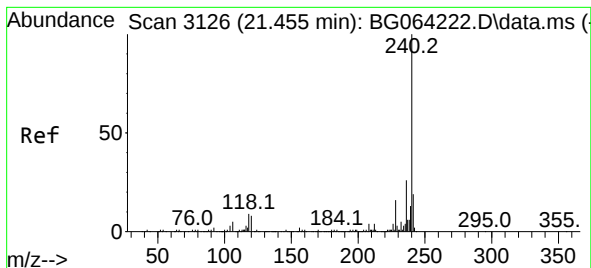
Tgt Ion:188 Resp: 184948
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.4
80 6.9 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 5.257 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.451 min
Lab File: BG064286.D
Acq: 4 Sep 2025 18:05

Tgt Ion:248 Resp: 10327
Ion Ratio Lower Upper
248 100
250 186.5 80.2 120.4#
141 446.1 62.4 93.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064286.D

Acq: 4 Sep 2025 18:05

Instrument :

BNA_G

ClientSampleId :

PB169528BL

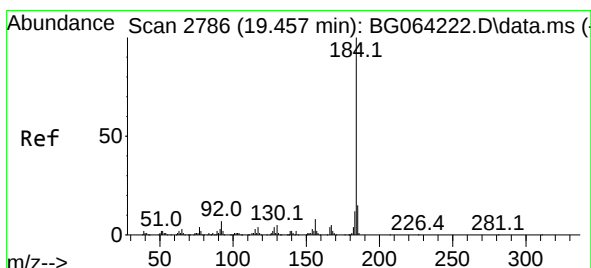
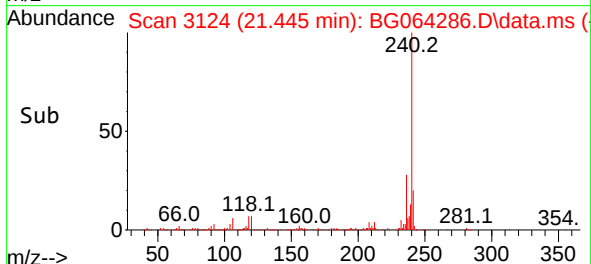
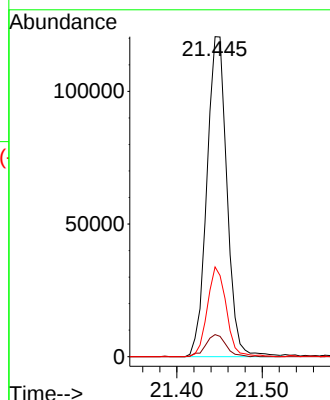
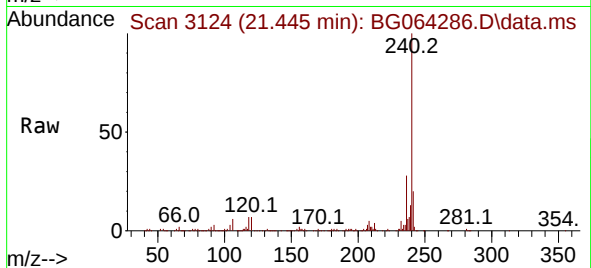
Tgt Ion:240 Resp: 197016

Ion Ratio Lower Upper

240 100

120 6.9 6.2 9.4

236 28.1 20.5 30.7



#77

Benzidine

Concen: 4.078 ng

RT: 19.841 min Scan# 2851

Delta R.T. 0.383 min

Lab File: BG064286.D

Acq: 4 Sep 2025 18:05

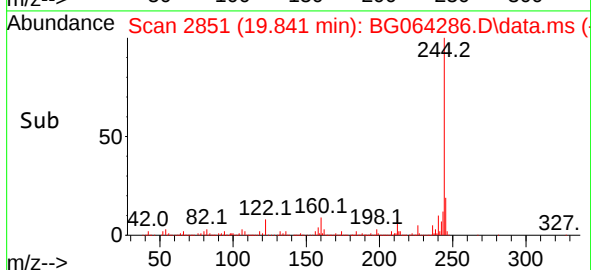
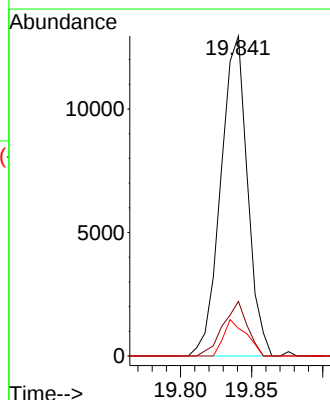
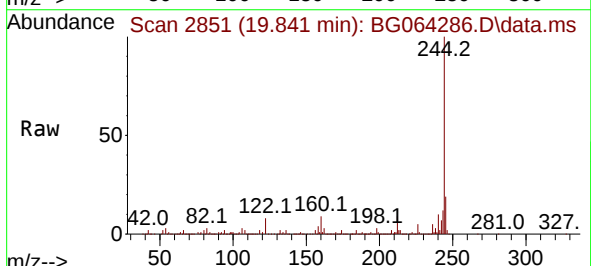
Tgt Ion:184 Resp: 16901

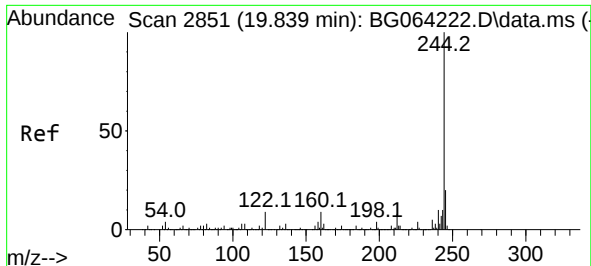
Ion Ratio Lower Upper

184 100

185 17.1 11.7 17.5

183 8.6 9.7 14.5#

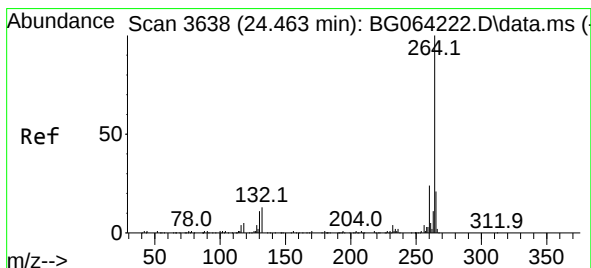
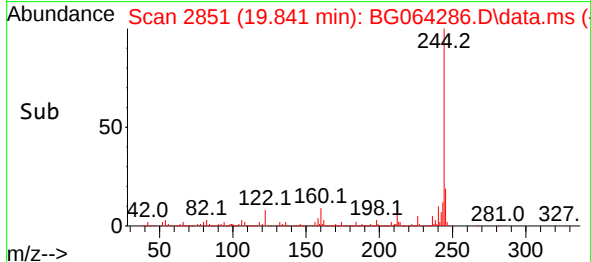
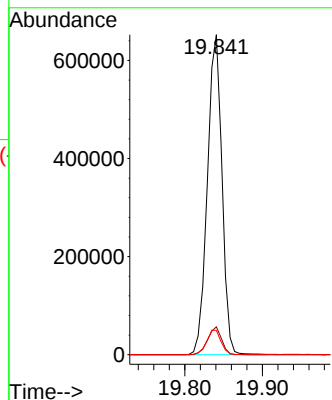
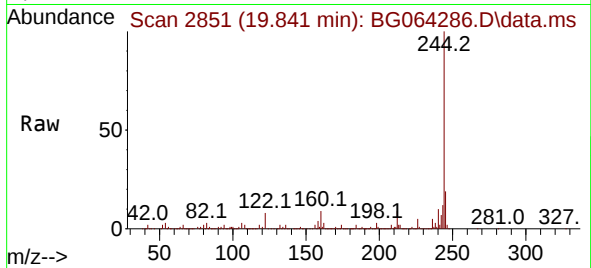




#79
 Terphenyl-d14
 Concen: 90.199 ng
 RT: 19.841 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG064286.D
 Acq: 4 Sep 2025 18:05

Instrument :
 BNA_G
 ClientSampleId :
 PB169528BL

Tgt Ion:244 Resp: 851755
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.6 10.0
 122 7.6 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.453 min Scan# 3636
 Delta R.T. -0.010 min
 Lab File: BG064286.D
 Acq: 4 Sep 2025 18:05

Tgt Ion:264 Resp: 213678
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.9 28.3
 265 22.5 16.7 25.1

