

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050256.D
 Acq On : 10 Jun 2025 00:15
 Operator : RC/JU
 Sample : Q2236-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 01:28:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

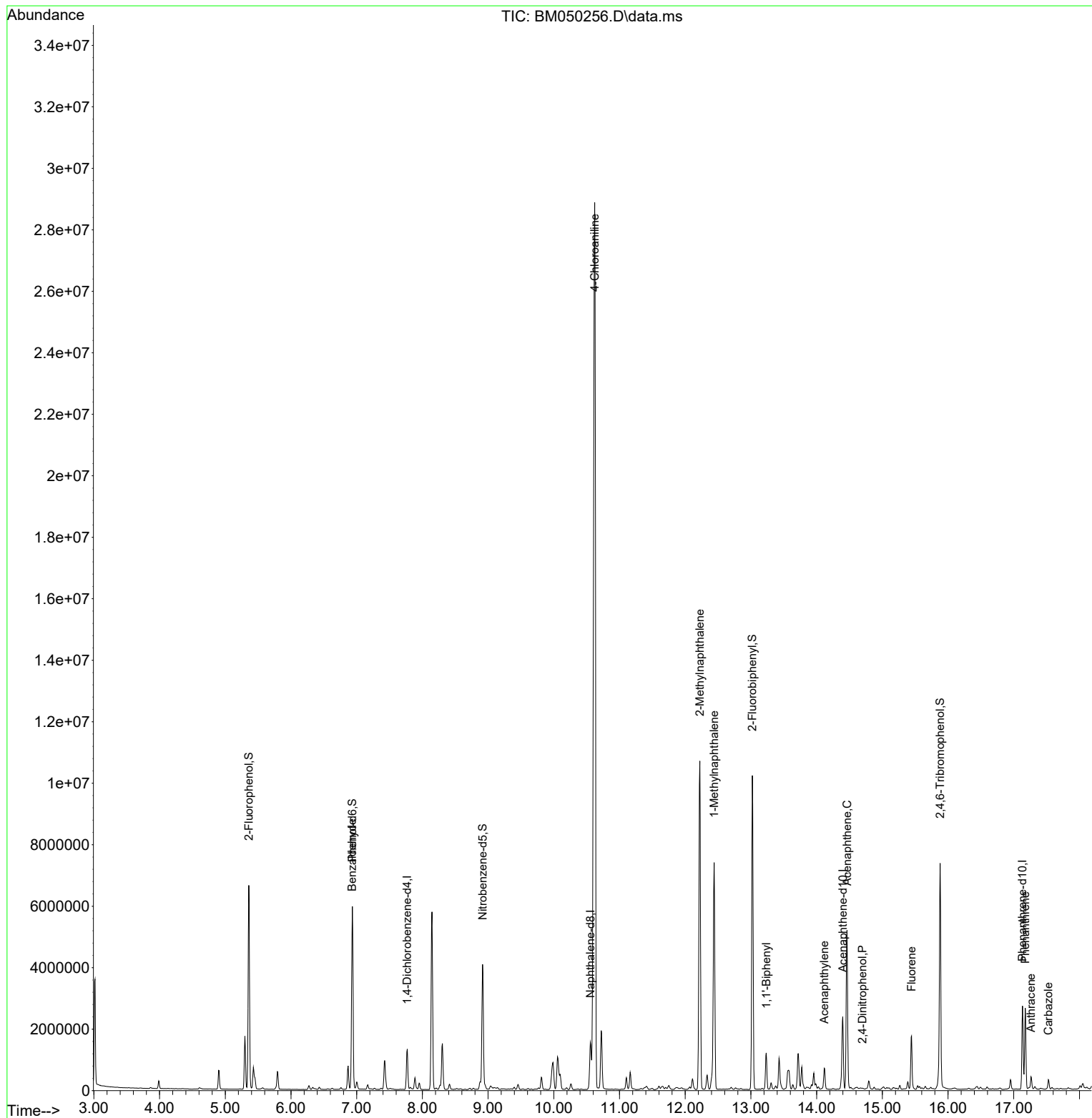
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	372220	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1448451	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	829081	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1500989	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1402387	20.000	ng	-0.01
86) Perylene-d12	24.338	264	1434274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3174322	142.261	ng	0.00
7) Phenol-d6	6.934	99	3651067	124.298	ng	0.00
23) Nitrobenzene-d5	8.916	82	2629870	94.428	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1394367	147.862	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	5297450	86.505	ng	0.00
79) Terphenyl-d14	19.762	244	6946519	93.867	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.928	77	44739	2.396	ng	# 1
33) 4-Chloroaniline	10.622	127	4135867	129.539	ng	# 34
37) 2-Methylnaphthalene	12.221	142	5285669	116.996	ng	99
38) 1-Methylnaphthalene	12.439	142	3546936	73.970	ng	100
46) 1,1'-Biphenyl	13.233	154	635306	10.234	ng	98
49) Acenaphthylene	14.115	152	279738	3.583	ng	# 95
52) Acenaphthene	14.462	154	1884550	38.596	ng	98
54) 2,4-Dinitrophenol	14.698	184	152	6.241	ng	# 1
58) Fluorene	15.445	166	770683	14.086	ng	99
71) Phenanthrene	17.174	178	1541989	17.983	ng	99
72) Anthracene	17.262	178	245778	2.865	ng	99
73) Carbazole	17.527	167	191114	2.446	ng	99

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

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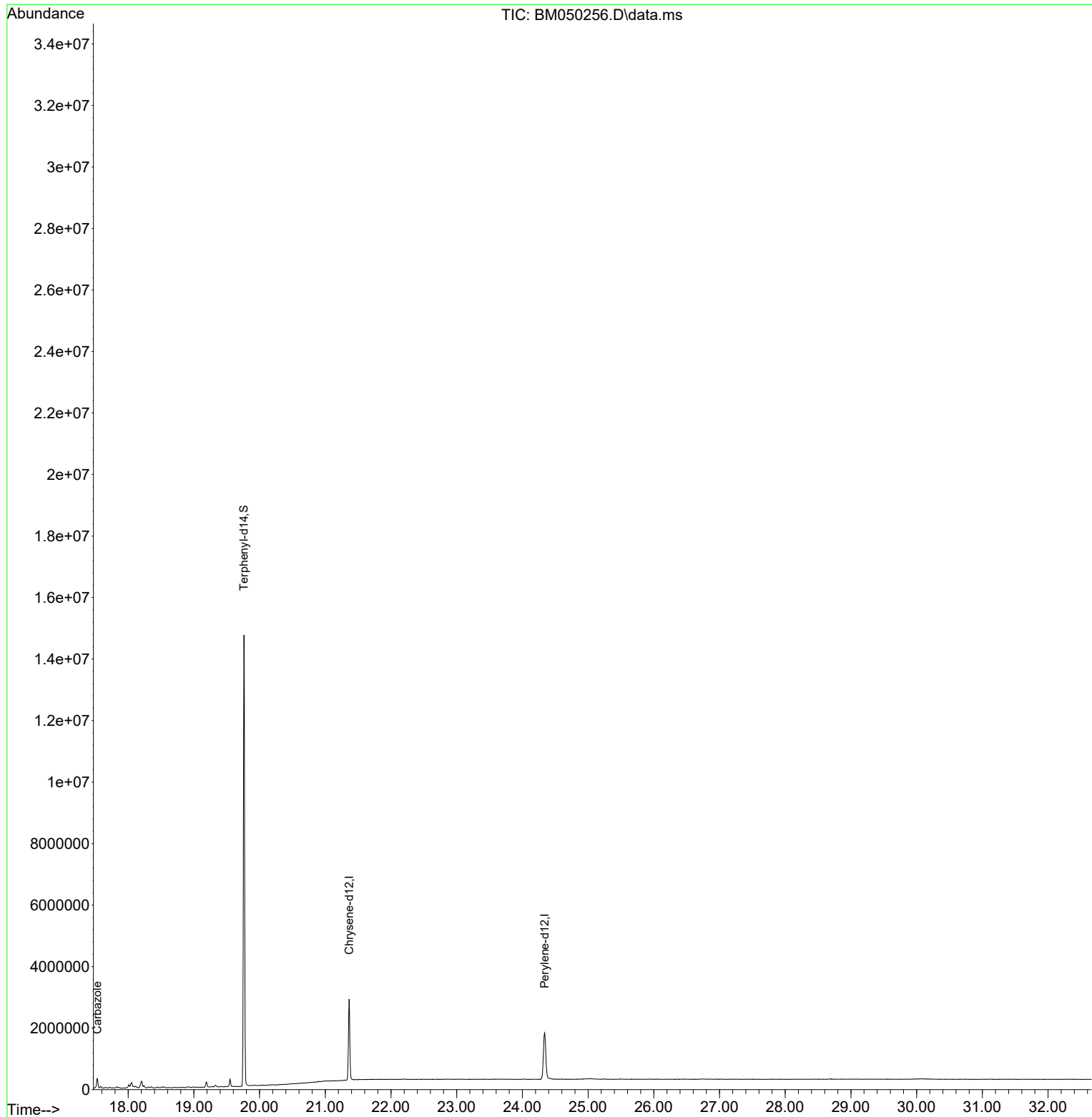
Quant Time: Jun 10 01:28:59 2025
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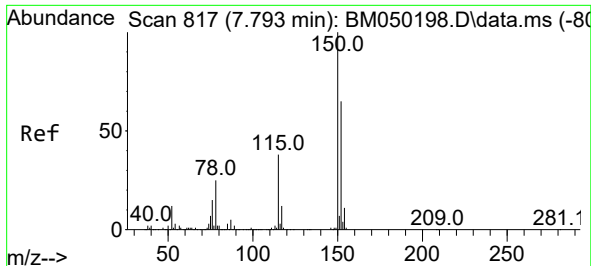


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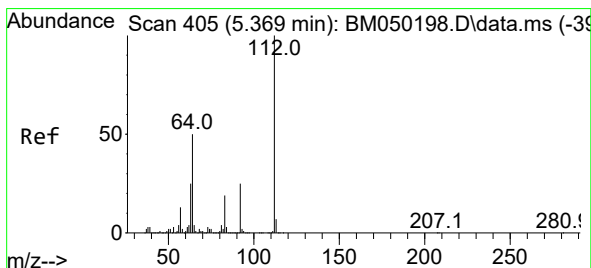
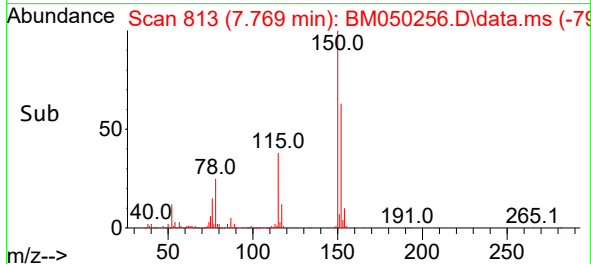
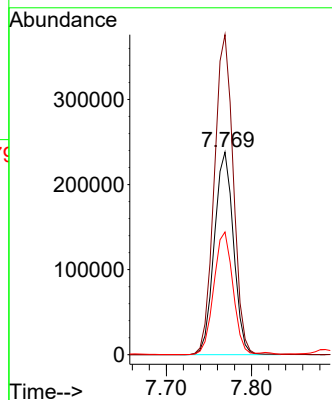
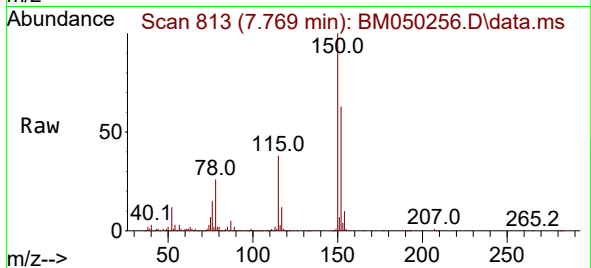




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

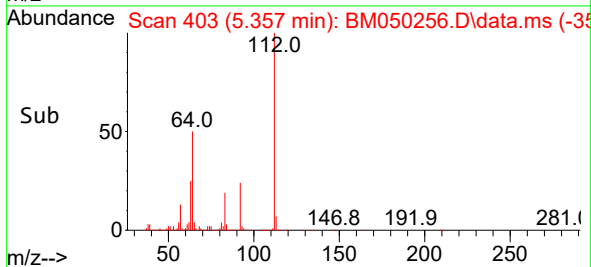
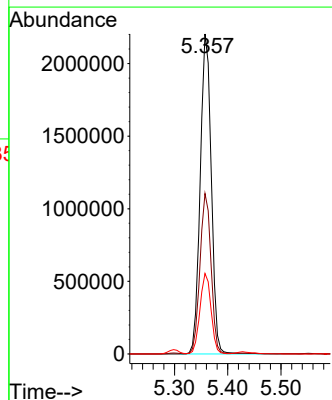
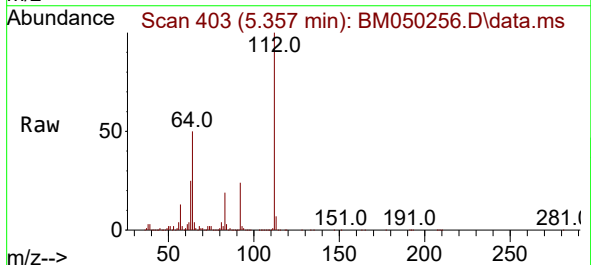
Instrument :
BNA_M
ClientSampleId :

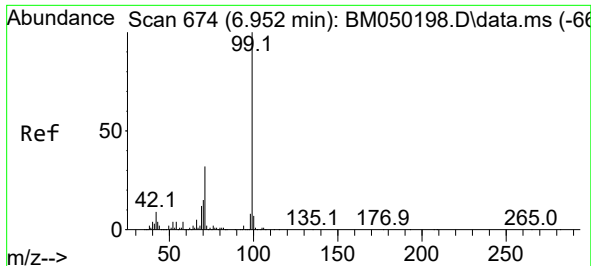
Tgt Ion:152 Resp: 372220
Ion Ratio Lower Upper
152 100
150 158.0 122.2 183.4
115 60.6 46.3 69.5



#5
2-Fluorophenol
Concen: 142.261 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:112 Resp: 3174322
Ion Ratio Lower Upper
112 100
64 50.2 39.8 59.6
63 25.2 19.8 29.8

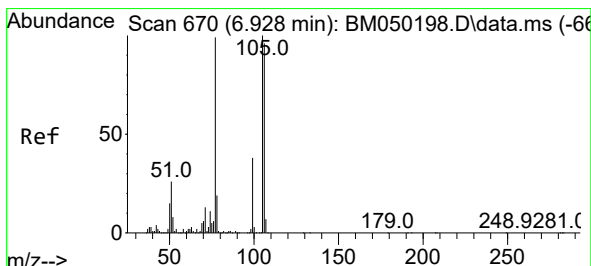
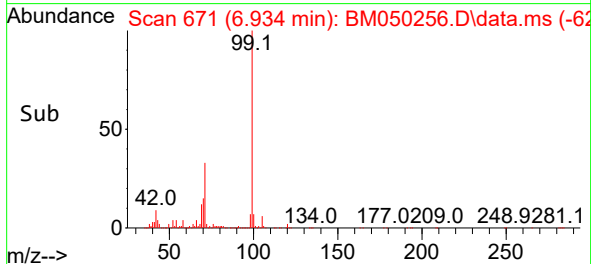
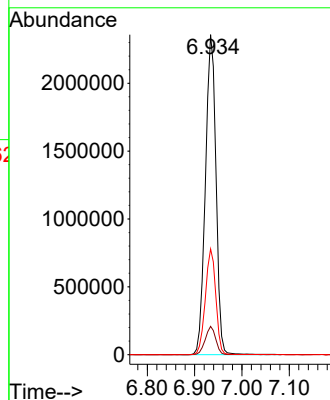
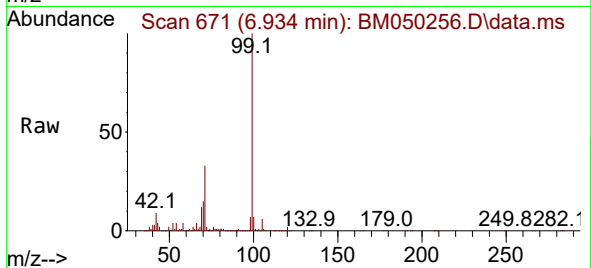




#7
Phenol-d6
Concen: 124.298 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

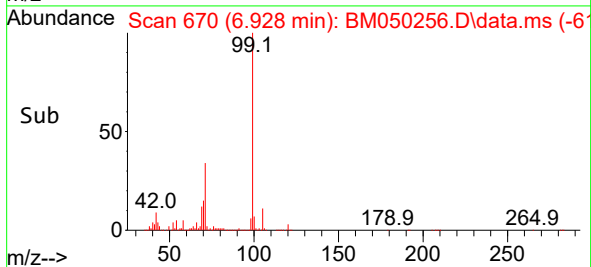
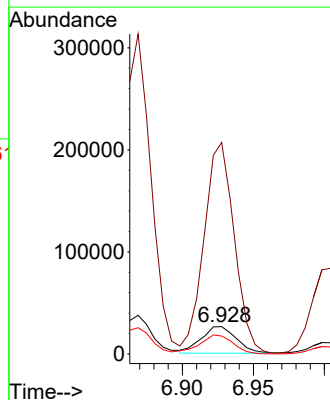
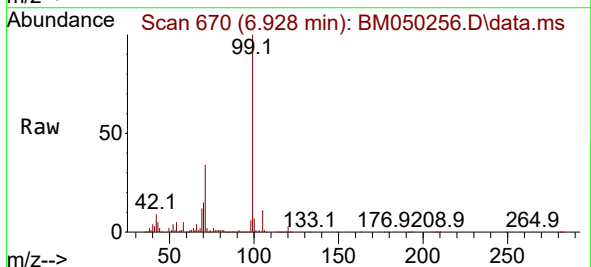
Instrument :
BNA_M
ClientSampleId :

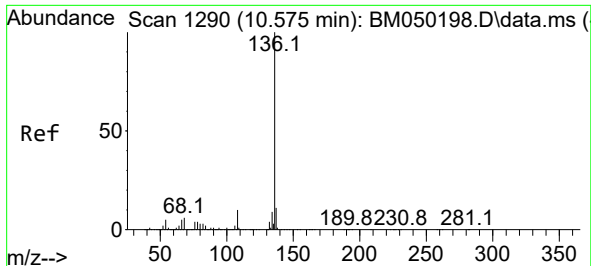
Tgt Ion: 99 Resp: 3651067
Ion Ratio Lower Upper
99 100
42 8.9 6.9 10.3
71 33.1 25.3 37.9



#9
Benzaldehyde
Concen: 2.396 ng
RT: 6.928 min Scan# 670
Delta R.T. 0.018 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion: 77 Resp: 44739
Ion Ratio Lower Upper
77 100
105 770.5 80.9 120.9#
106 65.3 77.1 117.1#

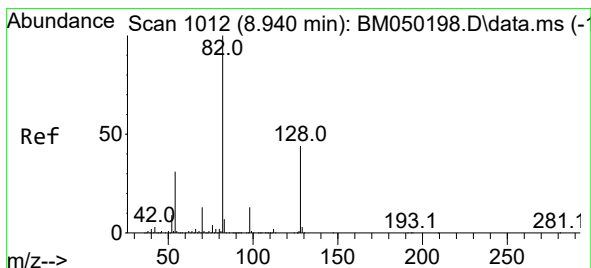
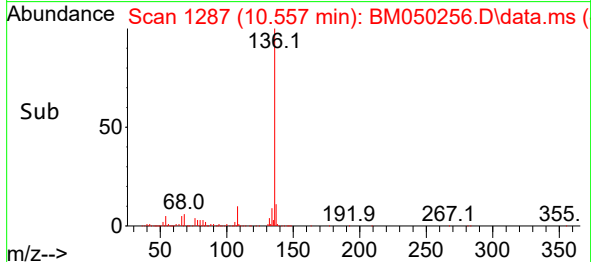
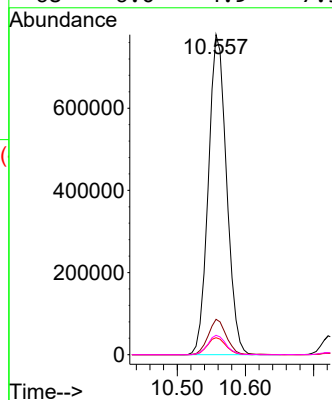
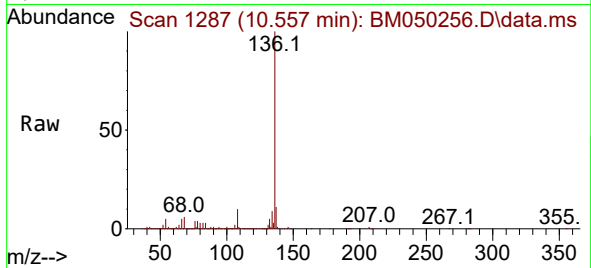




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

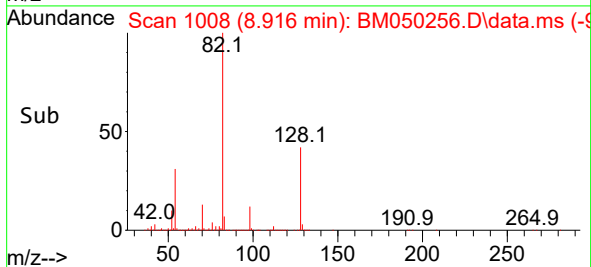
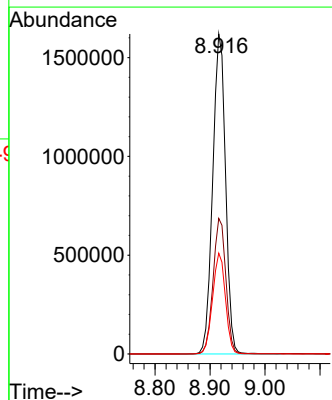
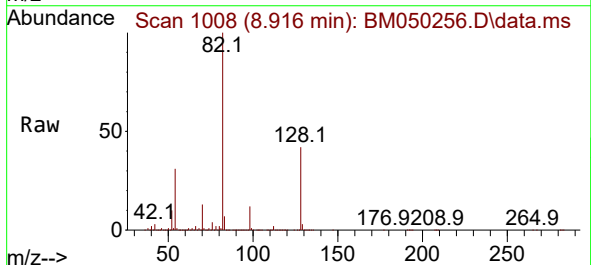
Instrument :
BNA_M
ClientSampleId :

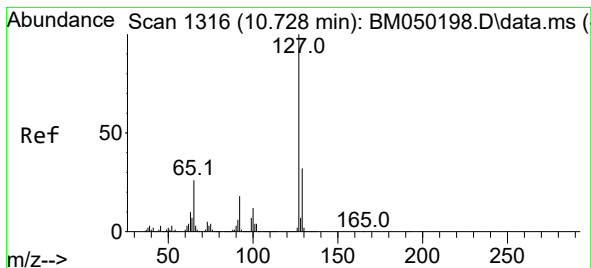
Tgt Ion:136 Resp: 1448451
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.3 3.8 5.8
68 6.0 4.9 7.3



#23
Nitrobenzene-d5
Concen: 94.428 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion: 82 Resp: 2629870
Ion Ratio Lower Upper
82 100
128 42.4 35.2 52.8
54 31.5 24.5 36.7

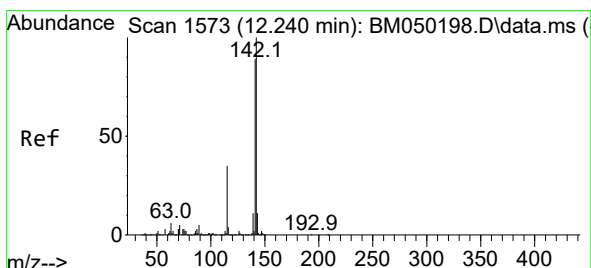
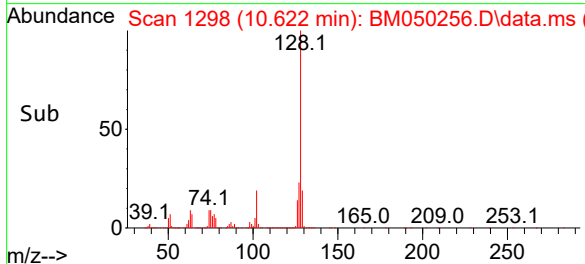
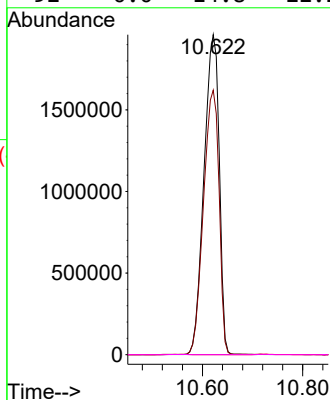
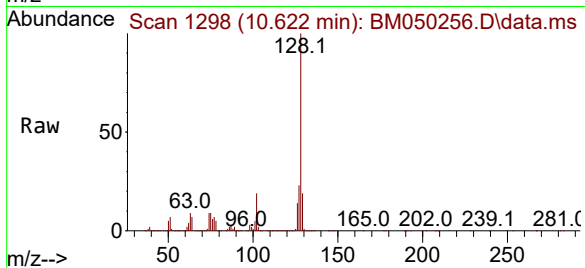




#33
4-Chloroaniline
Concen: 129.539 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.088 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

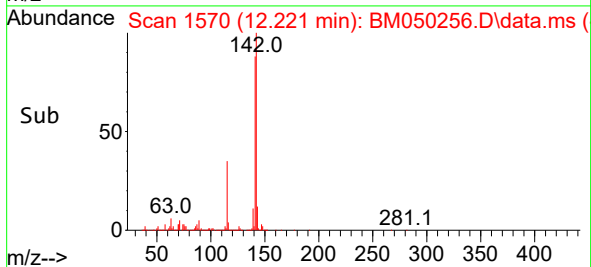
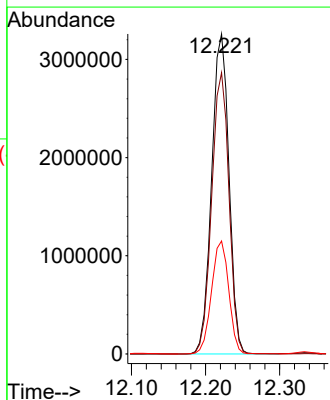
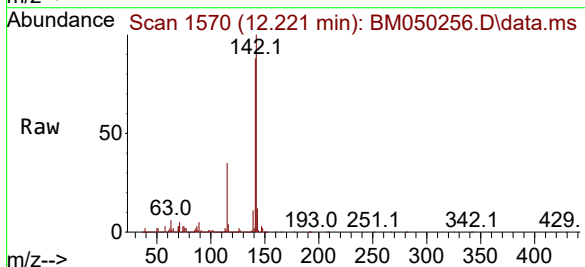
Instrument :
BNA_M
ClientSampleId :

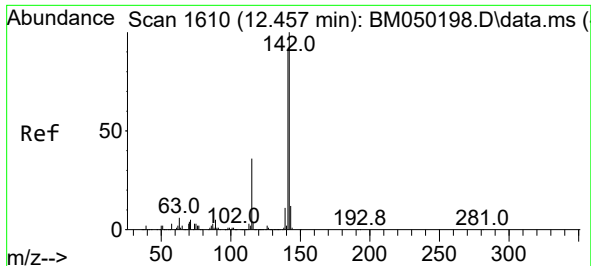
Tgt Ion:127 Resp: 4135867
Ion Ratio Lower Upper
127 100
129 82.6 25.4 38.0#
65 0.0 21.0 31.4#
92 0.0 14.8 22.2#



#37
2-Methylnaphthalene
Concen: 116.996 ng
RT: 12.221 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:142 Resp: 5285669
Ion Ratio Lower Upper
142 100
141 87.9 71.5 107.3
115 35.3 27.8 41.8

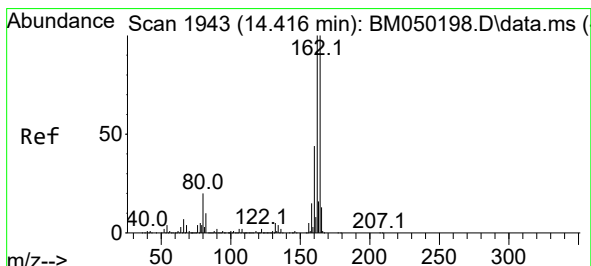
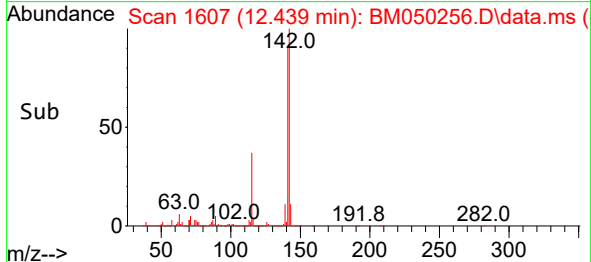
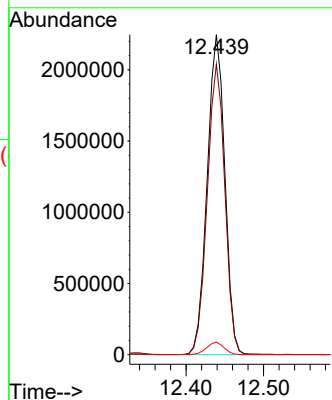
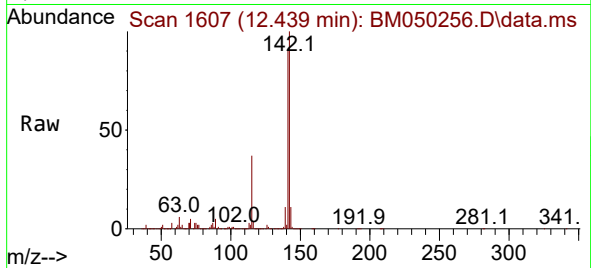




#38
1-Methylnaphthalene
Concen: 73.970 ng
RT: 12.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

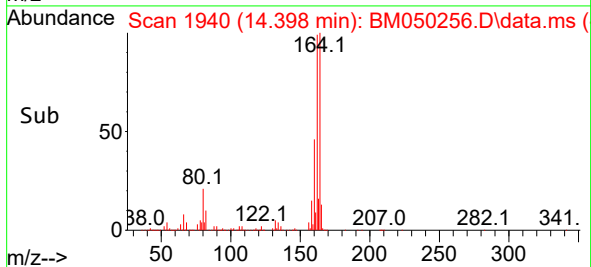
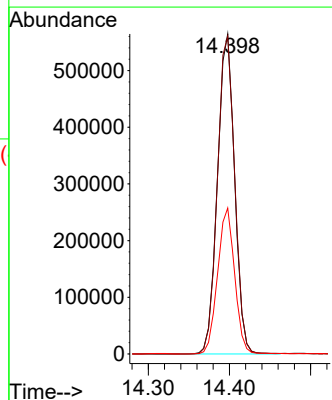
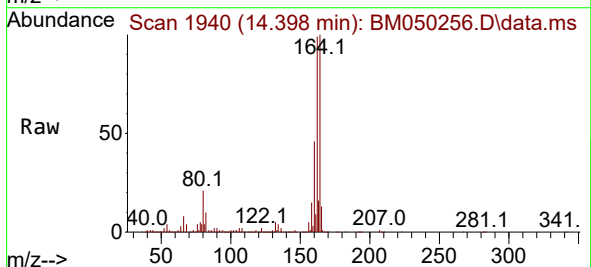
Instrument :
BNA_M
ClientSampleId :

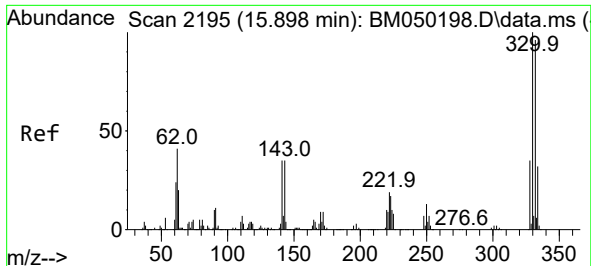
Tgt Ion:142 Resp: 3546936
Ion Ratio Lower Upper
142 100
141 90.8 72.9 109.3
116 4.0 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:164 Resp: 829081
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 45.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 147.862 ng

RT: 15.880 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

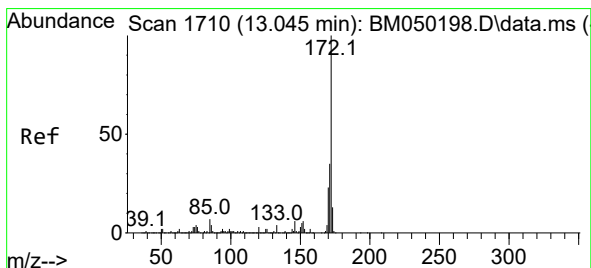
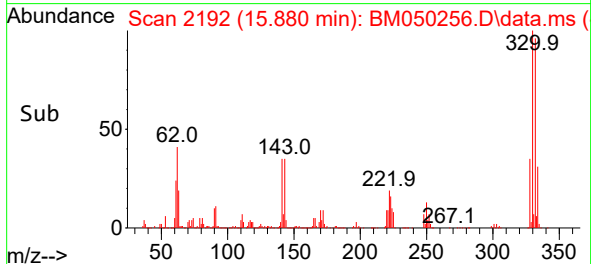
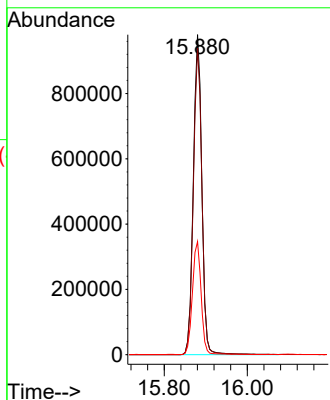
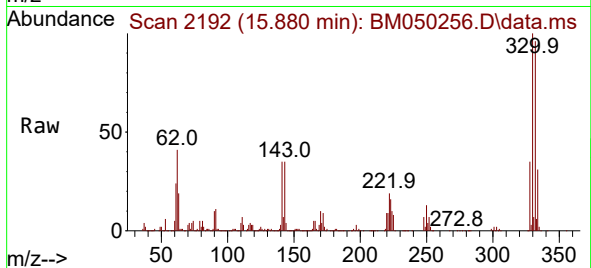
Tgt Ion:330 Resp: 1394367

Ion Ratio Lower Upper

330 100

332 96.3 77.5 116.3

141 35.9 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 86.505 ng

RT: 13.021 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

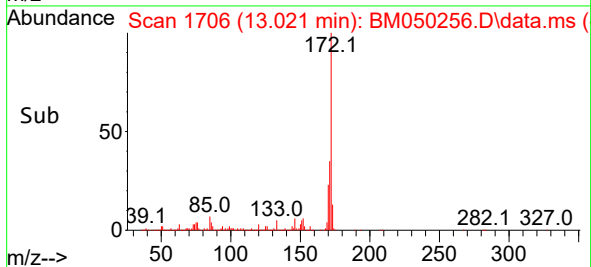
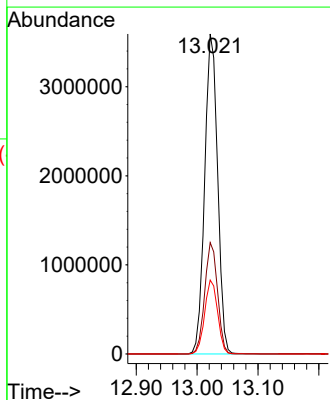
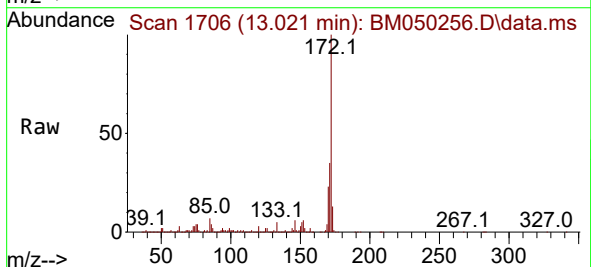
Tgt Ion:172 Resp: 5297450

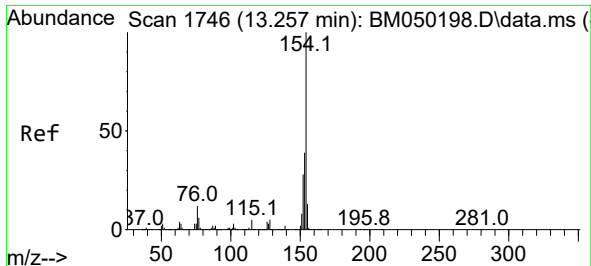
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.1 18.6 27.8

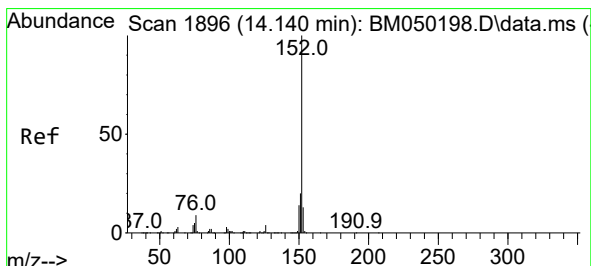
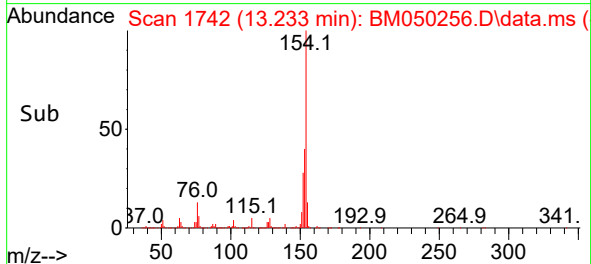
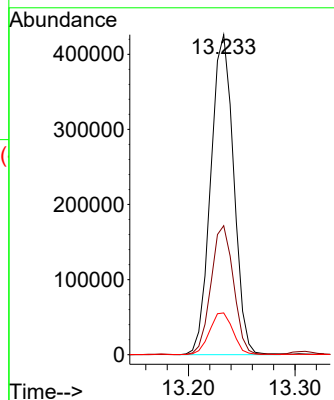
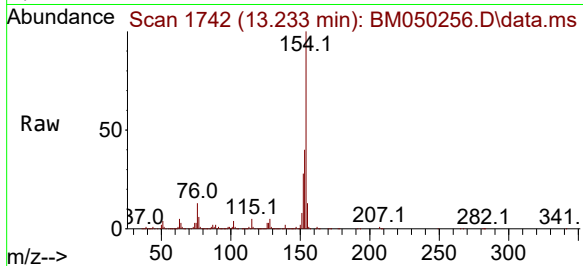




#46
1,1'-Biphenyl
Concen: 10.234 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

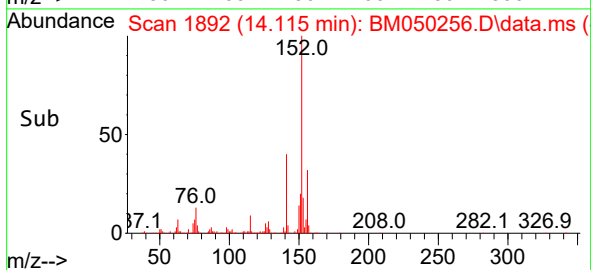
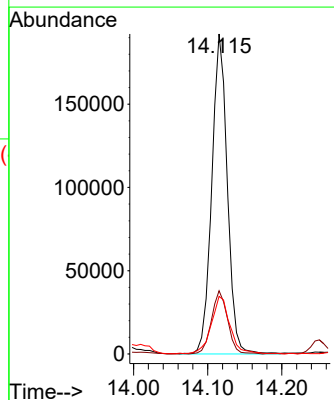
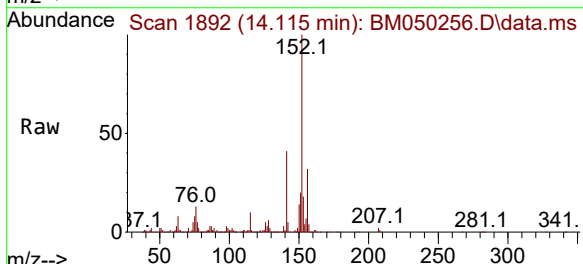
Instrument :
BNA_M
ClientSampleId :

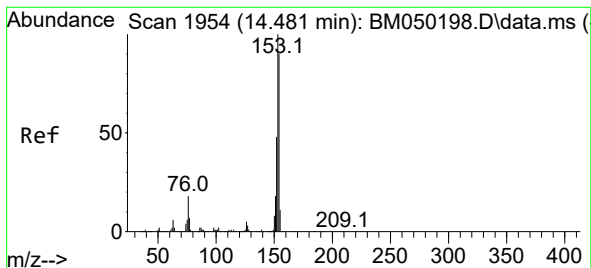
Tgt Ion:154 Resp: 635306
Ion Ratio Lower Upper
154 100
153 40.3 19.2 59.2
76 13.1 0.0 32.0



#49
Acenaphthylene
Concen: 3.583 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:152 Resp: 279738
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 18.0 10.4 15.6#





#52

Acenaphthene

Concen: 38.596 ng

RT: 14.462 min Scan# 1951

Delta R.T. -0.000 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

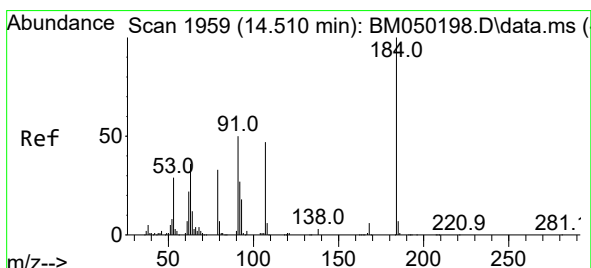
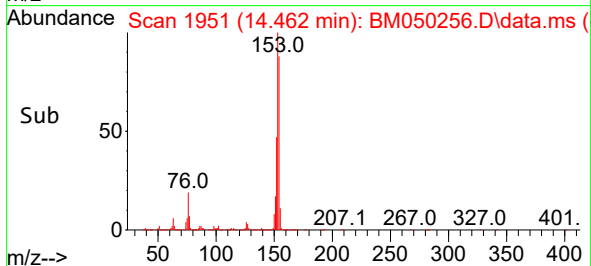
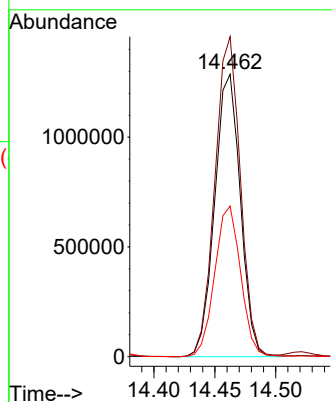
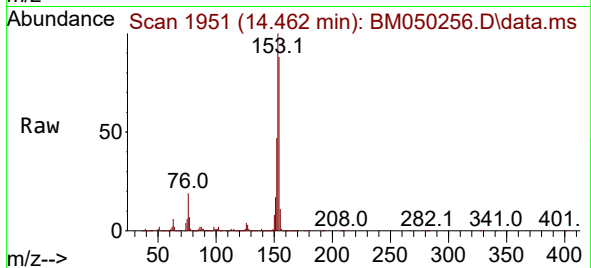
Tgt Ion:154 Resp: 1884550

Ion Ratio Lower Upper

154 100

153 113.3 88.7 133.1

152 53.3 42.6 63.8



#54

2,4-Dinitrophenol

Concen: 6.241 ng

RT: 14.698 min Scan# 1991

Delta R.T. 0.206 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

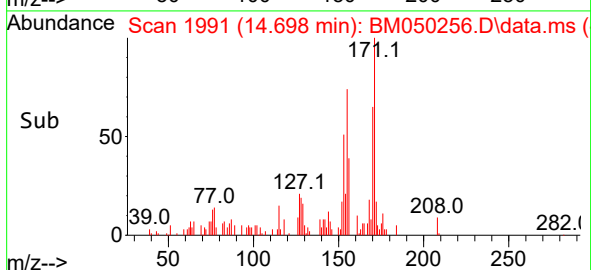
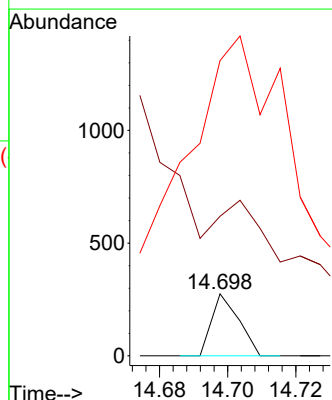
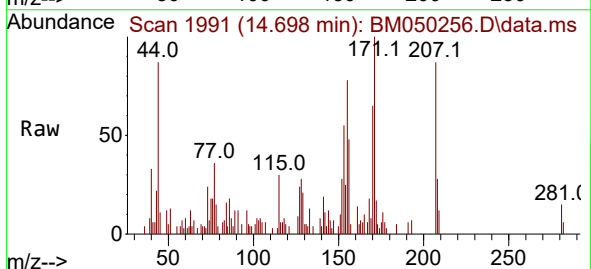
Tgt Ion:184 Resp: 152

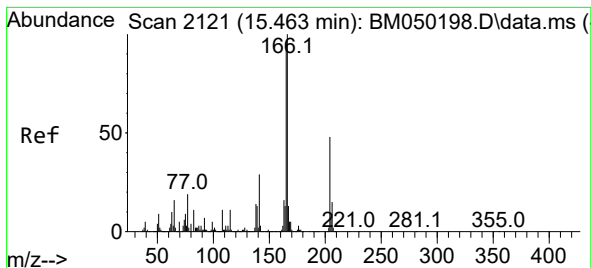
Ion Ratio Lower Upper

184 100

63 225.1 45.3 67.9#

154 476.4 54.3 81.5#





#58

Fluorene

Concen: 14.086 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :

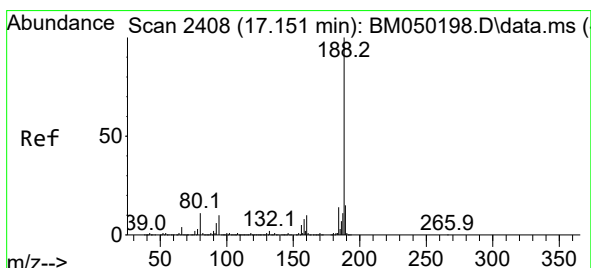
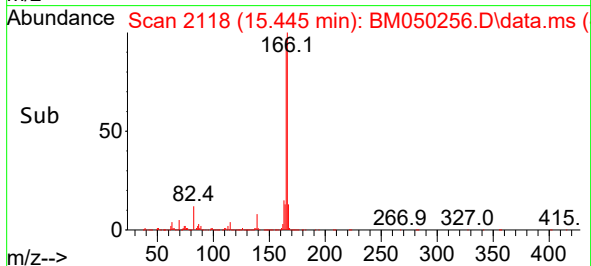
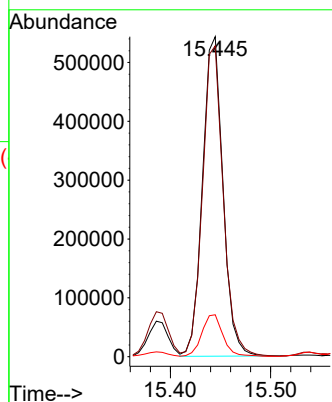
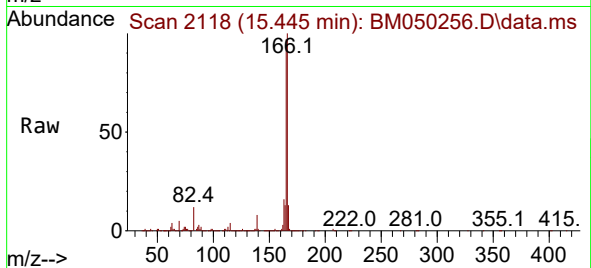
Tgt Ion:166 Resp: 770683

Ion Ratio Lower Upper

166 100

165 97.2 77.0 115.4

167 13.1 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.133 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

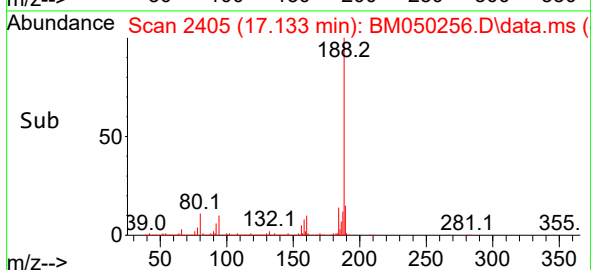
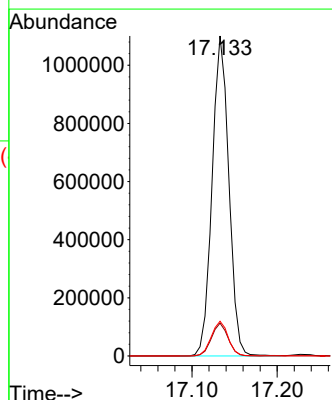
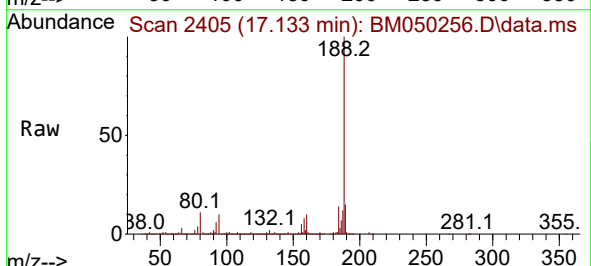
Tgt Ion:188 Resp: 1500989

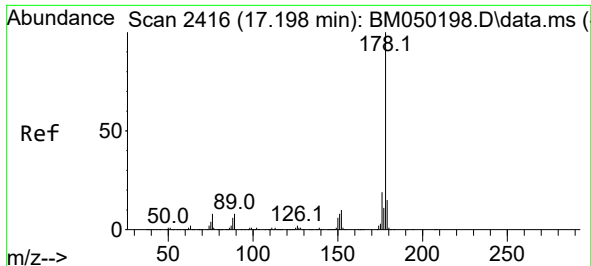
Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

80 10.9 8.6 13.0

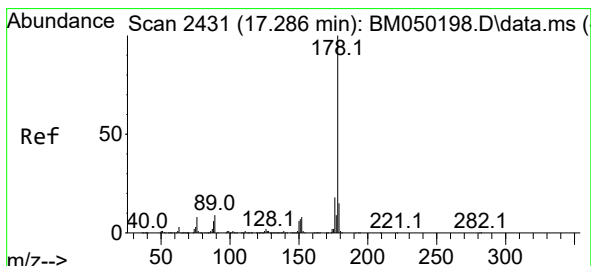
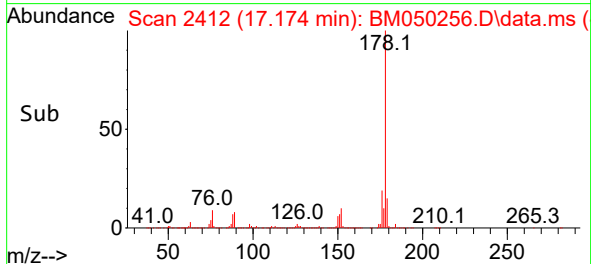
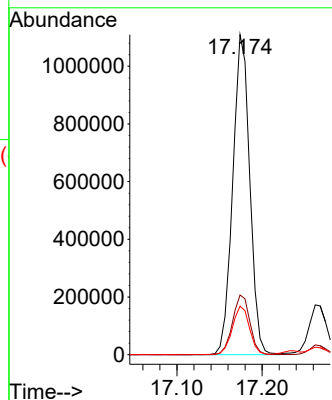
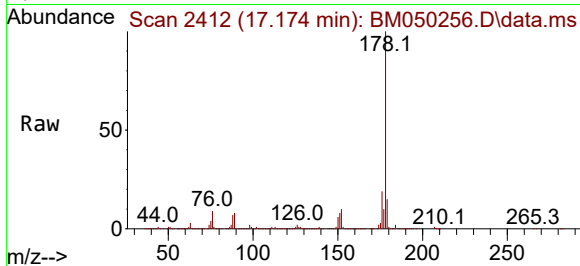




#71
Phenanthrene
Concen: 17.983 ng
RT: 17.174 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

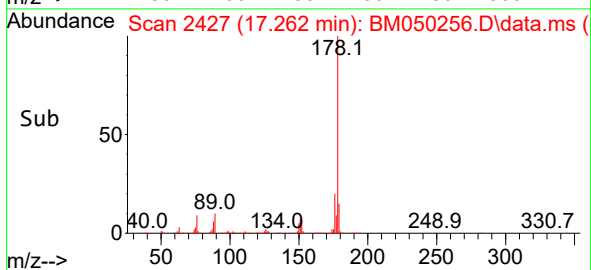
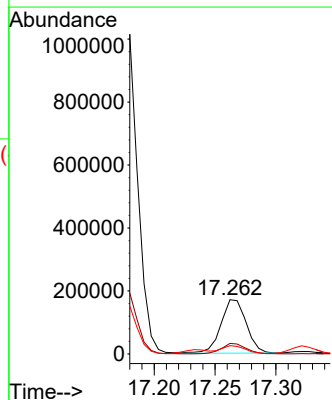
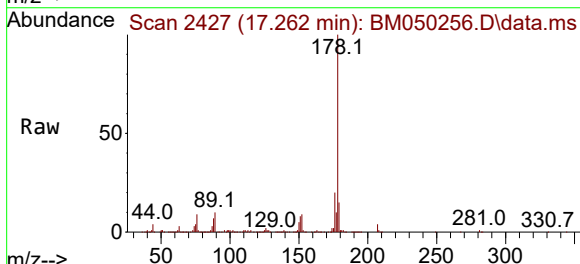
Instrument :
BNA_M
ClientSampleId :

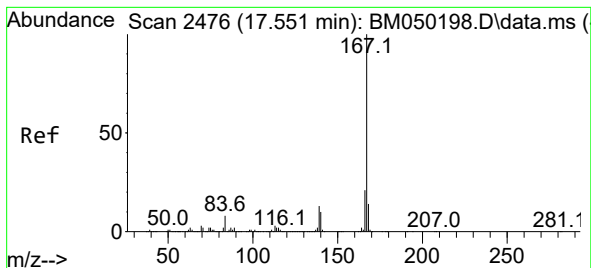
Tgt Ion:178 Resp: 1541989
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 12.3 18.5



#72
Anthracene
Concen: 2.865 ng
RT: 17.262 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM050256.D
Acq: 10 Jun 2025 00:15

Tgt Ion:178 Resp: 245778
Ion Ratio Lower Upper
178 100
176 19.5 14.8 22.2
179 15.3 12.3 18.5





#73

Carbazole

Concen: 2.446 ng

RT: 17.527 min Scan# 24

Delta R.T. -0.006 min

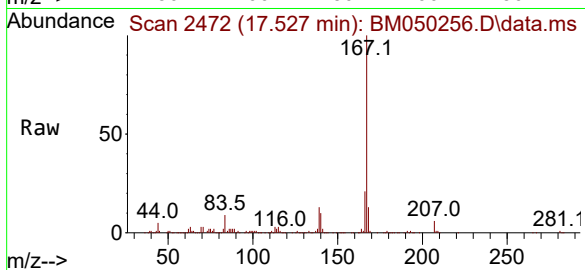
Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :



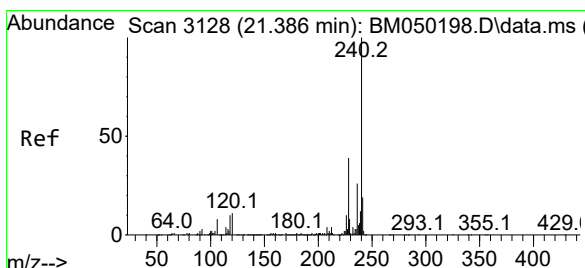
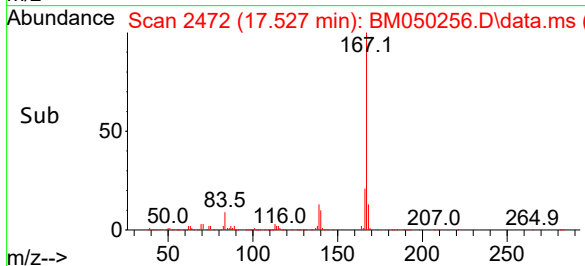
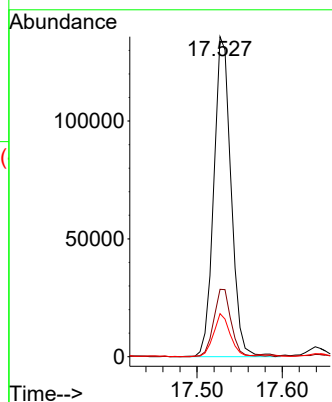
Tgt Ion:167 Resp: 191114

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

139 13.4 10.2 15.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

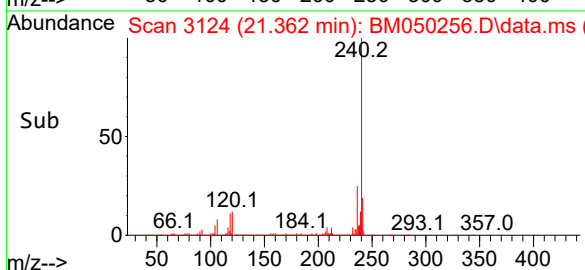
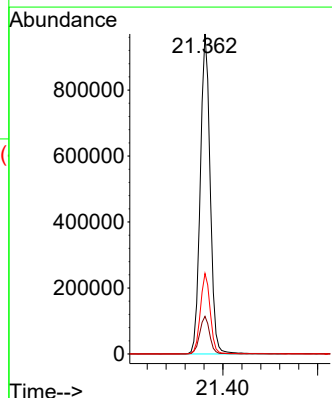
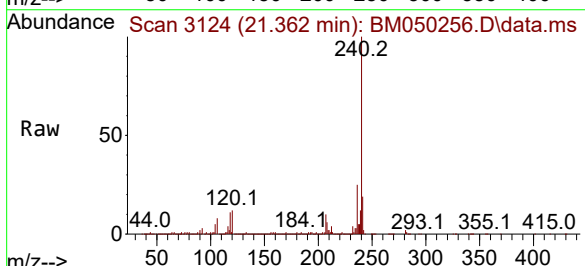
Tgt Ion:240 Resp: 1402387

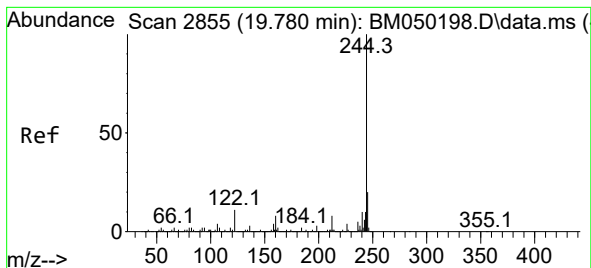
Ion Ratio Lower Upper

240 100

120 11.8 9.0 13.4

236 25.1 20.7 31.1





#79

Terphenyl-d14

Concen: 93.867 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.006 min

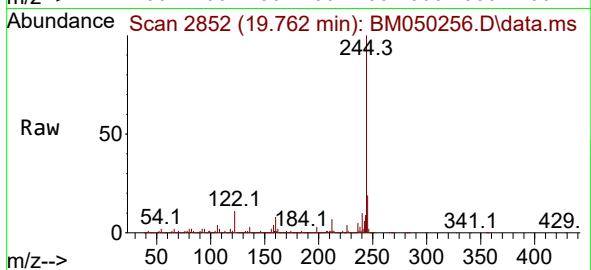
Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Instrument :

BNA_M

ClientSampleId :



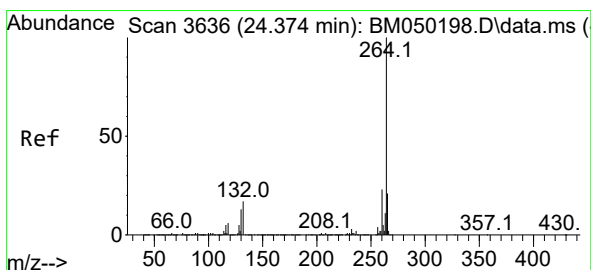
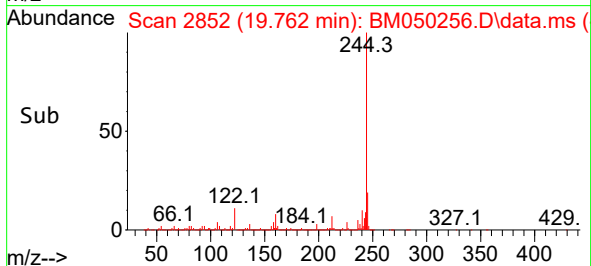
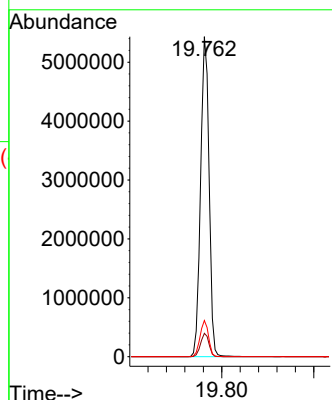
Tgt Ion:244 Resp: 6946519

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 11.3 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.338 min Scan# 3630

Delta R.T. -0.006 min

Lab File: BM050256.D

Acq: 10 Jun 2025 00:15

Tgt Ion:264 Resp: 1434274

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.7 16.8 25.2

