

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050274.D
 Acq On : 10 Jun 2025 12:38
 Operator : RC/JU
 Sample : Q2202-03DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-12-20250603DL

Quant Time: Jun 10 13:12:01 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)

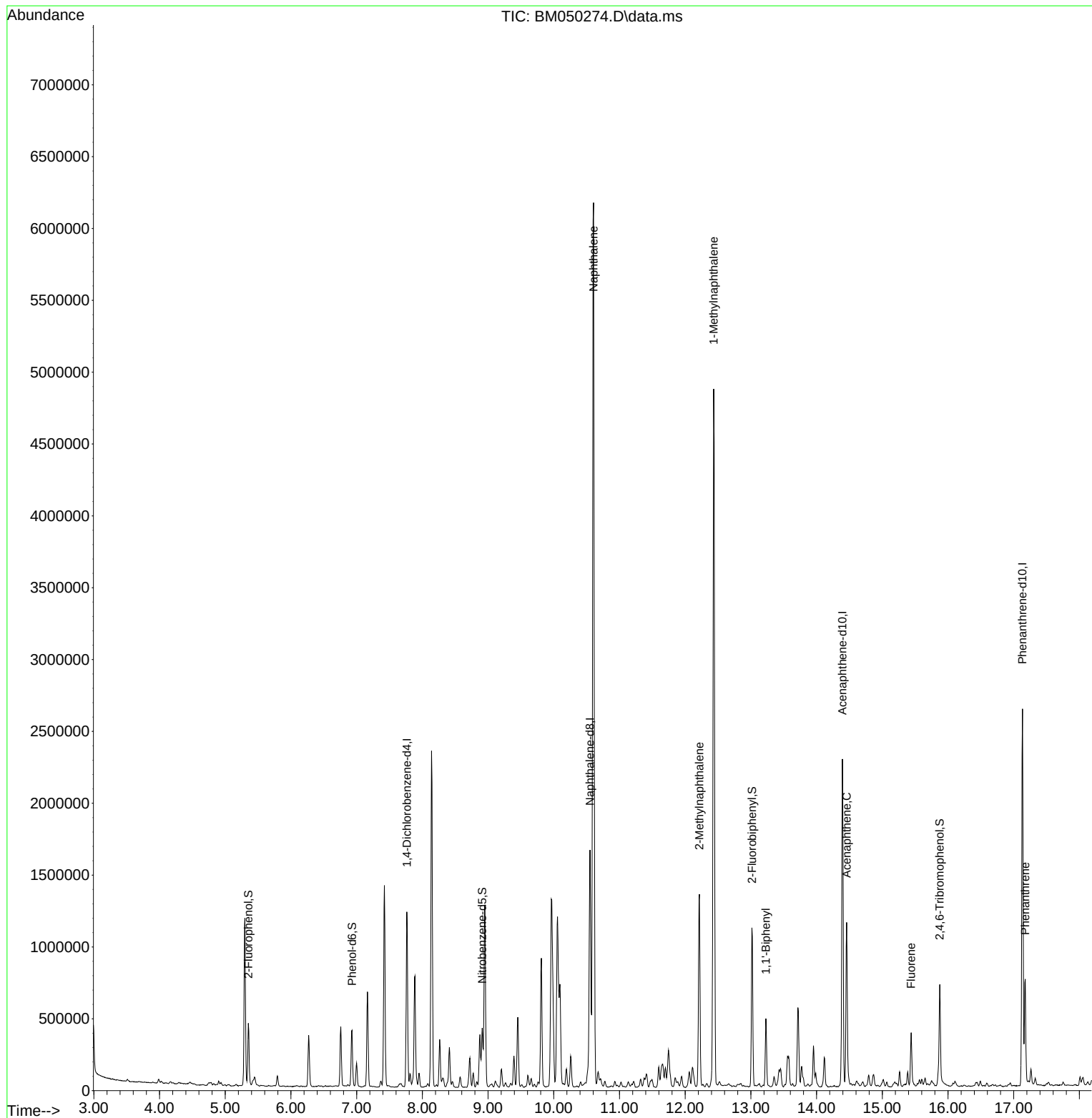
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	334632	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1355551	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	770915	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1509253	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1638874	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1724623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	202238	10.082	ng	0.00
7) Phenol-d6	6.928	99	150293	5.691	ng	0.00
23) Nitrobenzene-d5	8.910	82	242976	9.322	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	130318	14.862	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	562182	9.873	ng	-0.01
79) Terphenyl-d14	19.763	244	918863	10.625	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	5303692	75.675	ng	100
37) 2-Methylnaphthalene	12.216	142	652389	15.430	ng	100
38) 1-Methylnaphthalene	12.434	142	2300363	51.261	ng	99
46) 1,1'-Biphenyl	13.228	154	241213	4.179	ng	97
52) Acenaphthene	14.457	154	388430	8.555	ng	96
58) Fluorene	15.439	166	159079	3.127	ng	98
71) Phenanthrene	17.175	178	429996	4.987	ng	98

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

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MW-12-20250603DL

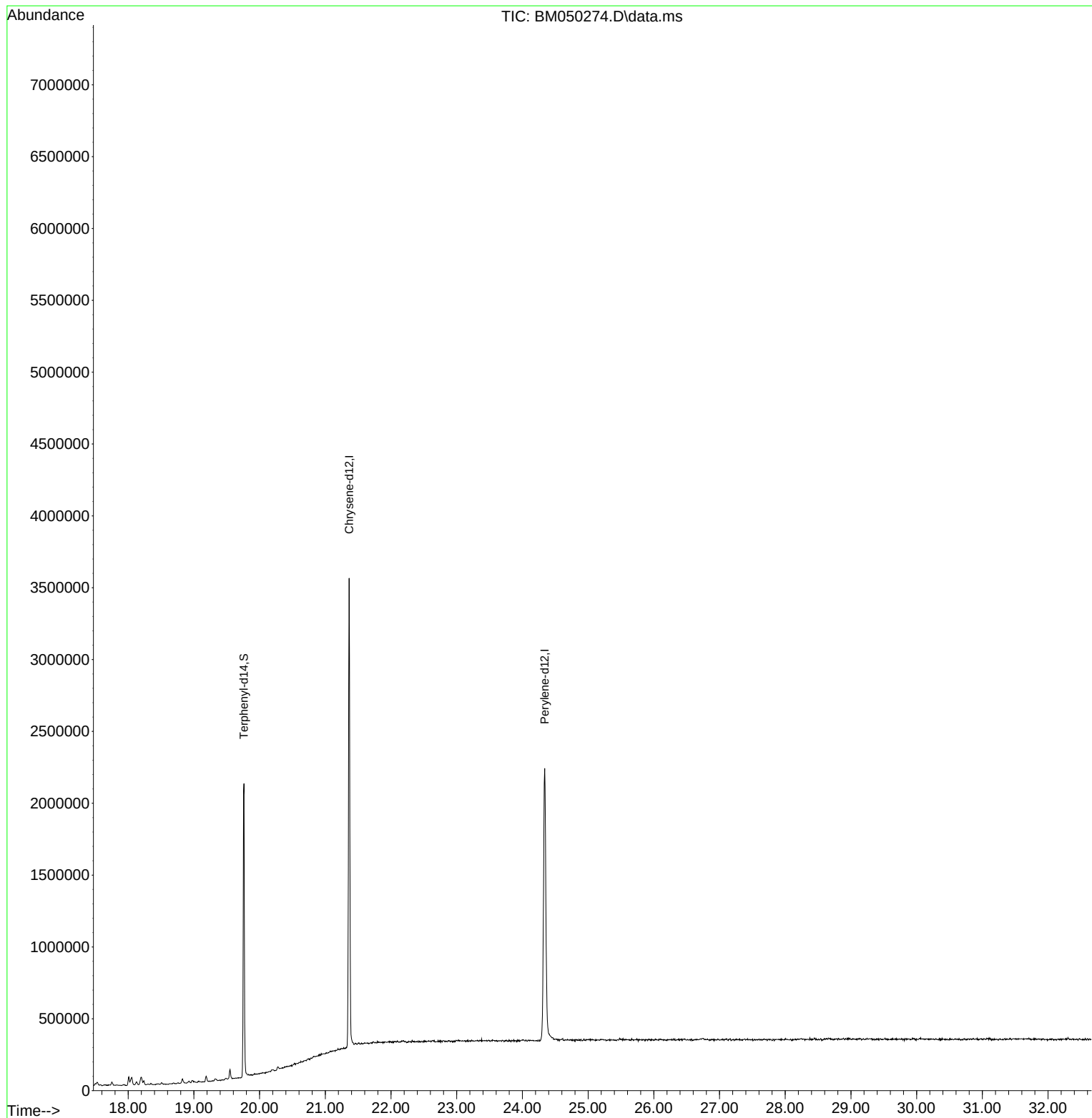
Quant Time: Jun 10 13:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

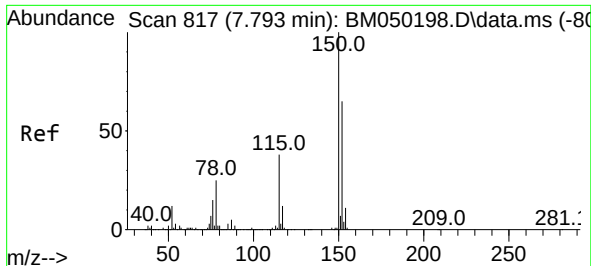


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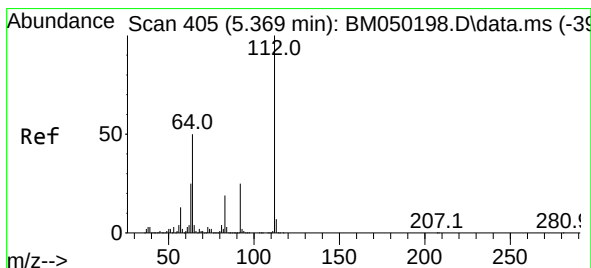
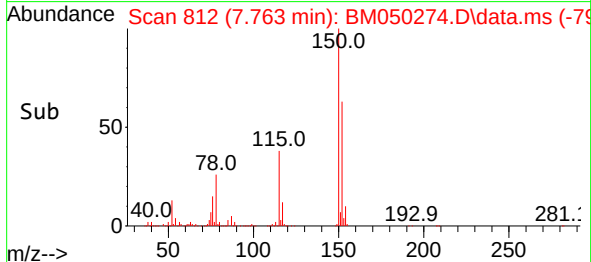
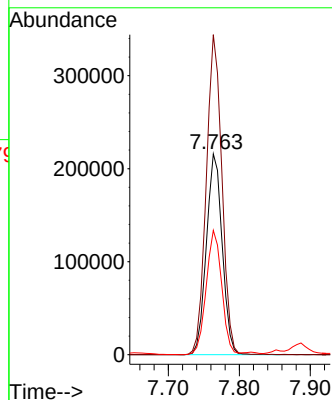
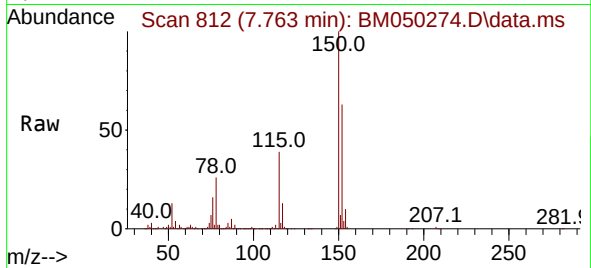




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

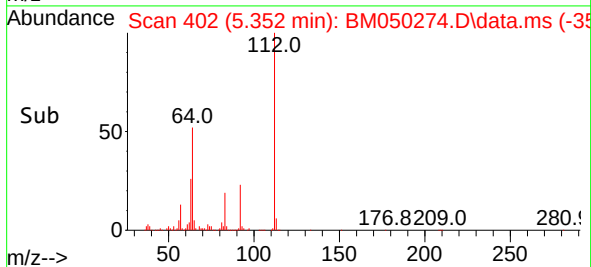
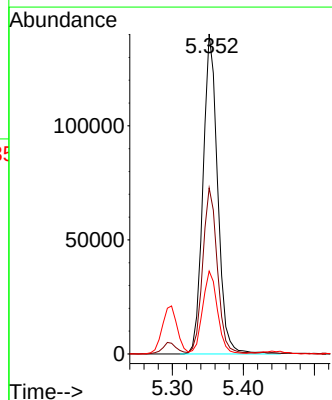
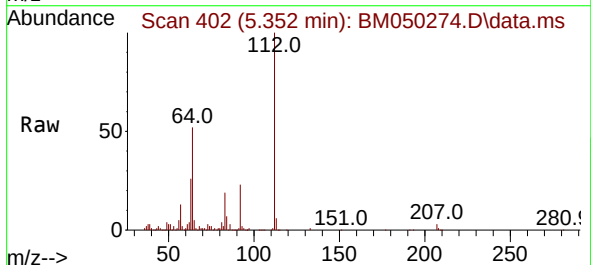
Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

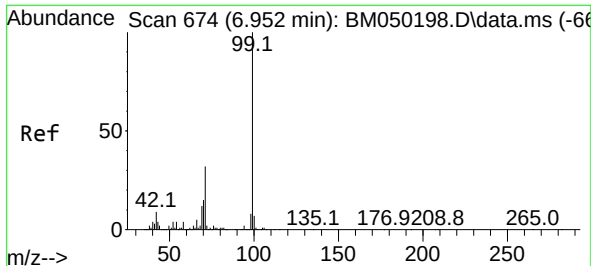
Tgt Ion:152 Resp: 334632
Ion Ratio Lower Upper
152 100
150 159.4 122.2 183.4
115 61.9 46.3 69.5



#5
2-Fluorophenol
Concen: 10.082 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:112 Resp: 202238
Ion Ratio Lower Upper
112 100
64 51.9 39.8 59.6
63 25.9 19.8 29.8

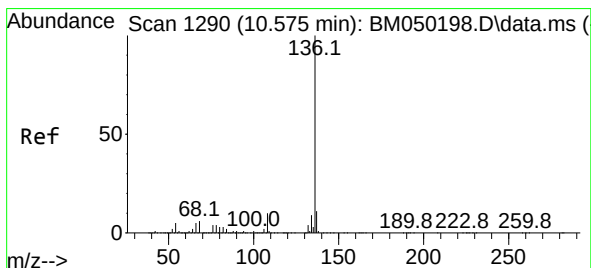
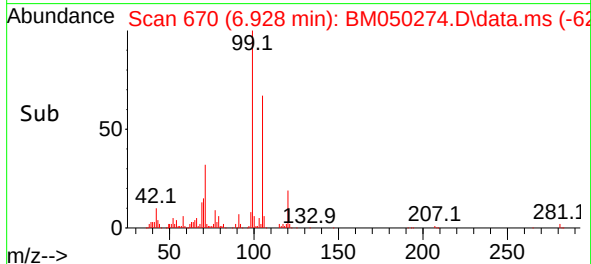
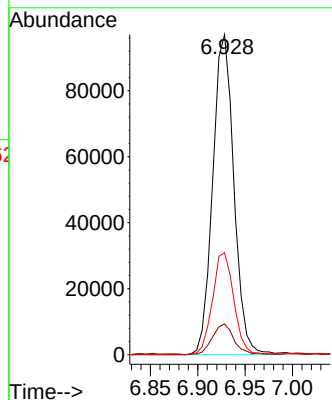
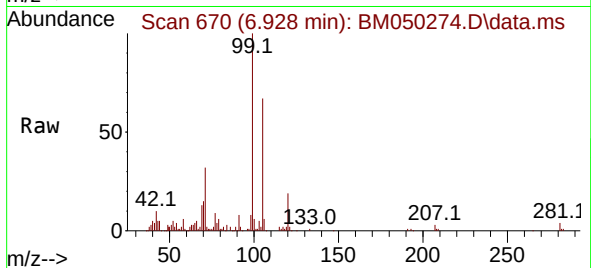




#7
Phenol-d6
Concen: 5.691 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

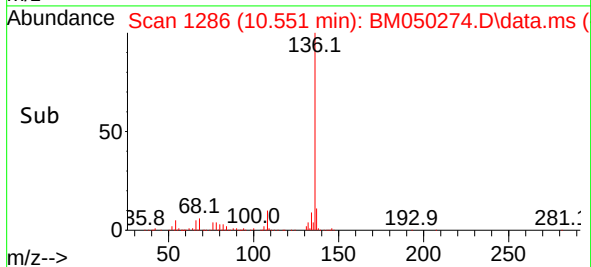
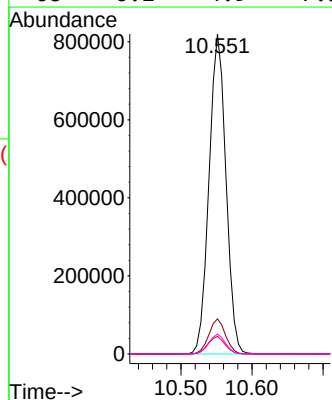
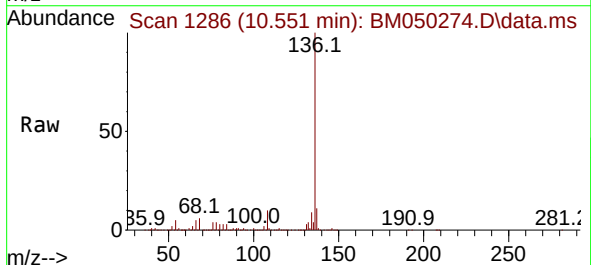
Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

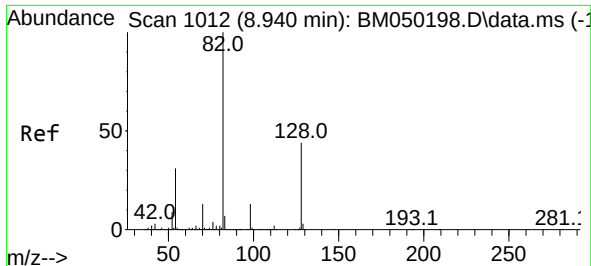
Tgt Ion: 99 Resp: 150293
Ion Ratio Lower Upper
99 100
42 9.6 6.9 10.3
71 31.9 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion: 136 Resp: 1355551
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 5.5 3.8 5.8
68 6.2 4.9 7.3

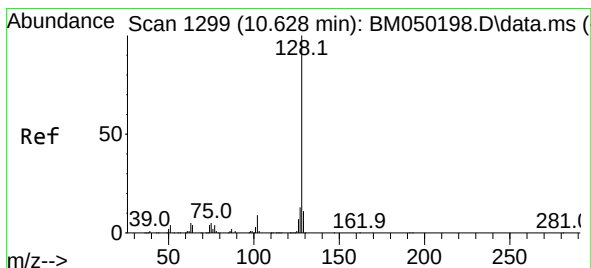
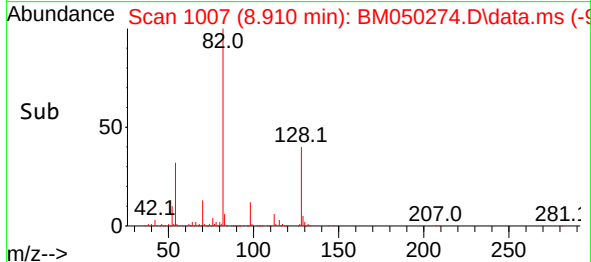
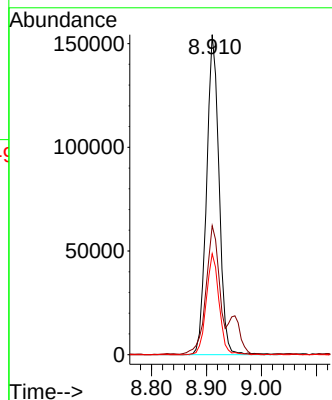
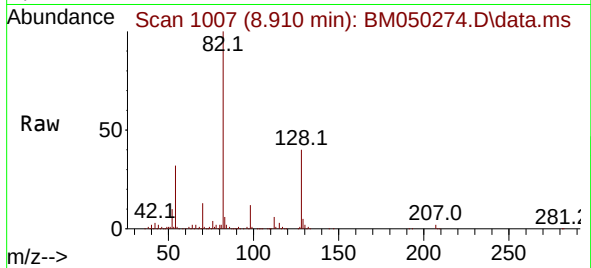




#23
Nitrobenzene-d5
Concen: 9.322 ng
RT: 8.910 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

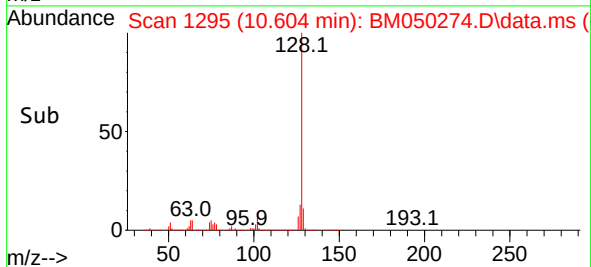
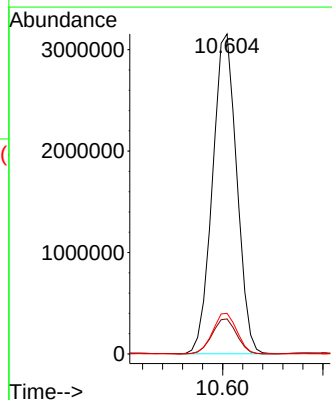
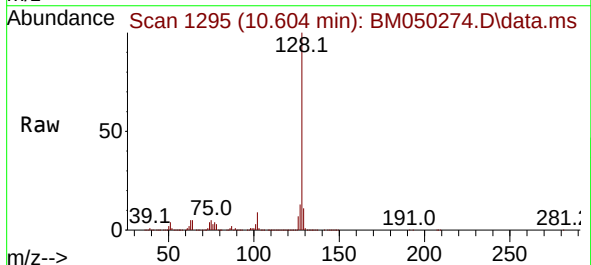
Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

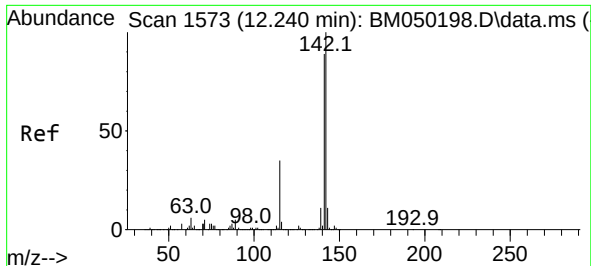
Tgt Ion: 82 Resp: 242976
Ion Ratio Lower Upper
82 100
128 40.3 35.2 52.8
54 31.5 24.5 36.7



#31
Naphthalene
Concen: 75.675 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion: 128 Resp: 5303692
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.7 10.2 15.4





#37

2-Methylnaphthalene

Concen: 15.430 ng

RT: 12.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

Instrument :

BNA_M

ClientSampleId :

MW-12-20250603DL

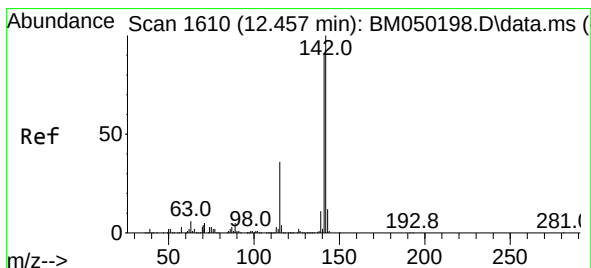
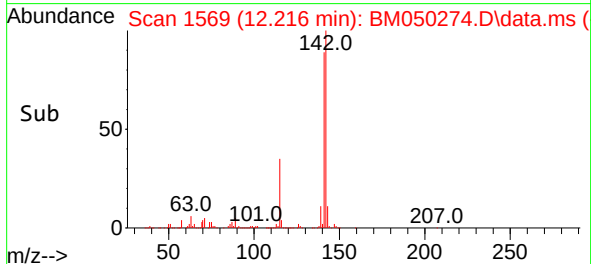
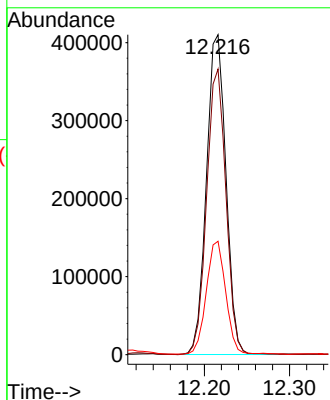
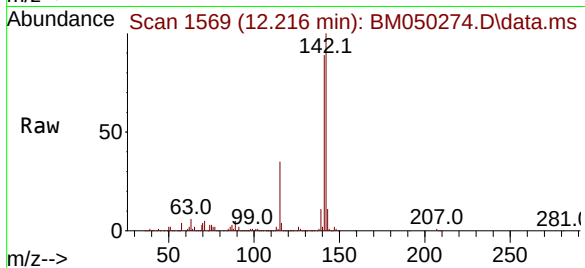
Tgt Ion:142 Resp: 652389

Ion Ratio Lower Upper

142 100

141 89.2 71.5 107.3

115 35.4 27.8 41.8



#38

1-Methylnaphthalene

Concen: 51.261 ng

RT: 12.434 min Scan# 1606

Delta R.T. -0.006 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

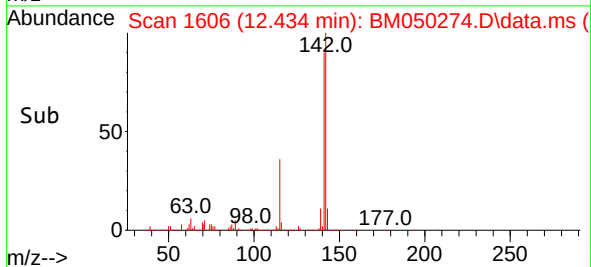
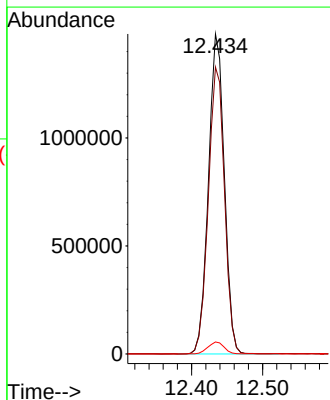
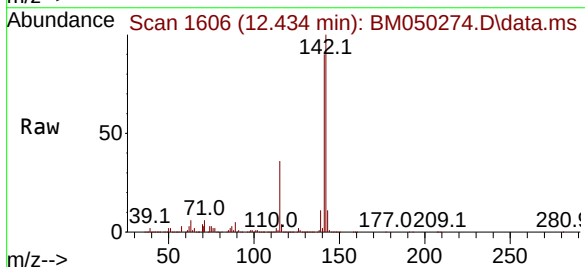
Tgt Ion:142 Resp: 2300363

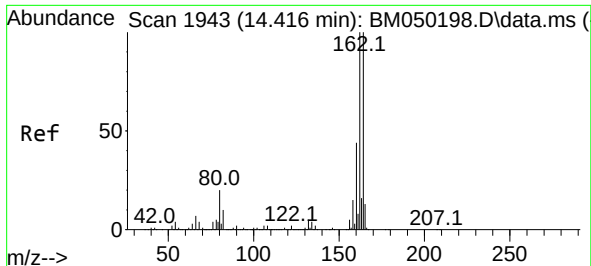
Ion Ratio Lower Upper

142 100

141 89.7 72.9 109.3

116 3.7 3.0 4.6

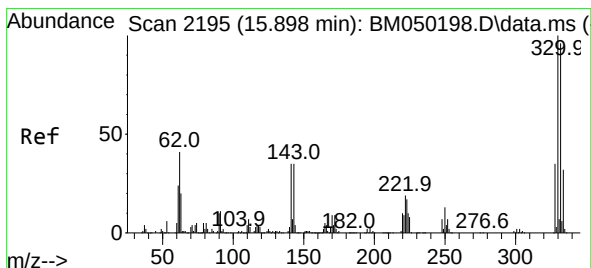
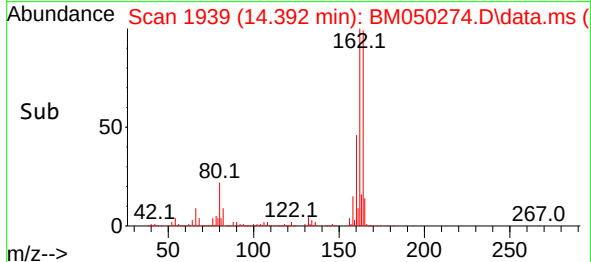
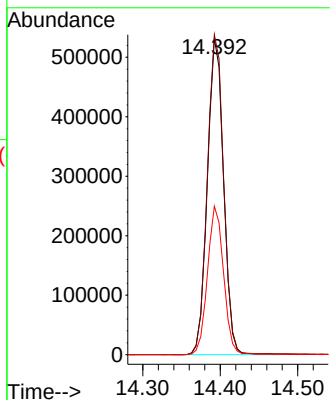
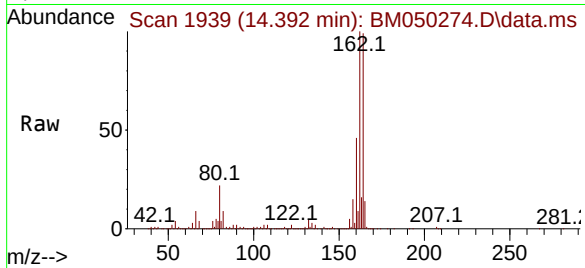




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

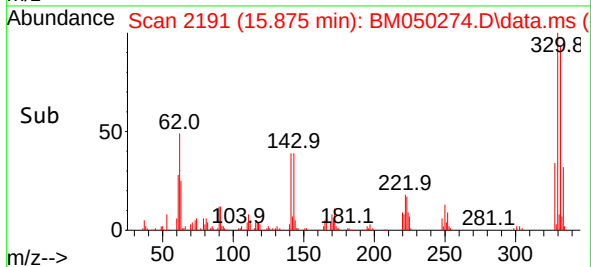
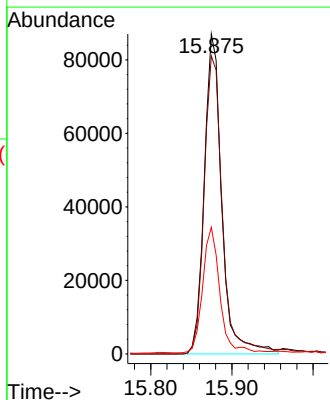
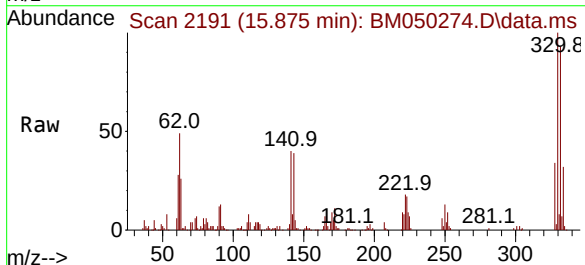
Instrument :
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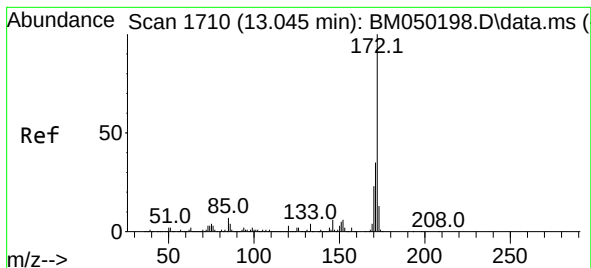
Tgt Ion:164 Resp: 770915
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.4
160 47.0 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 14.862 ng
RT: 15.875 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:330 Resp: 130318
Ion Ratio Lower Upper
330 100
332 98.7 77.5 116.3
141 38.3 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 9.873 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.011 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

Instrument :

BNA_M

ClientSampleId :

MW-12-20250603DL

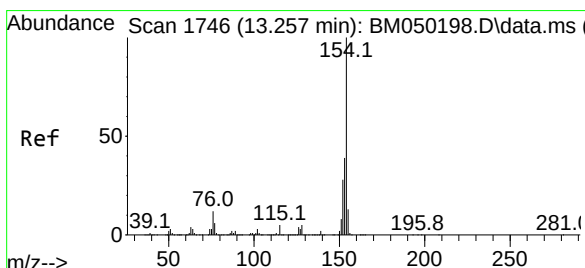
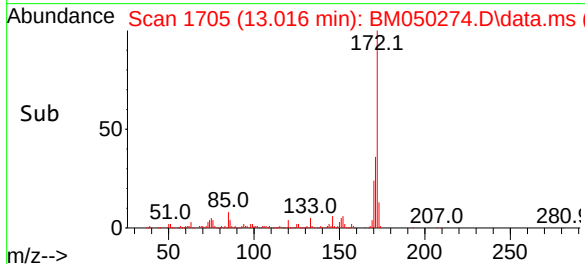
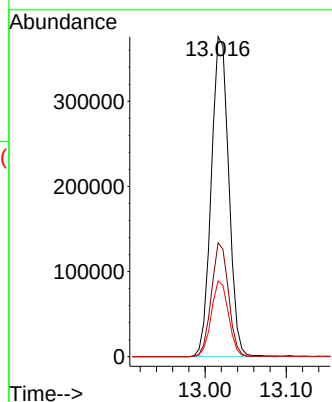
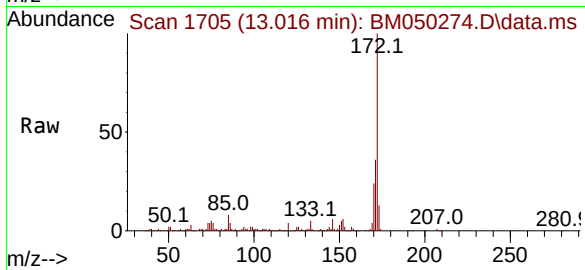
Tgt Ion:172 Resp: 562182

Ion Ratio Lower Upper

172 100

171 35.6 27.8 41.6

170 23.7 18.6 27.8



#46

1,1'-Biphenyl

Concen: 4.179 ng

RT: 13.228 min Scan# 1741

Delta R.T. -0.006 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

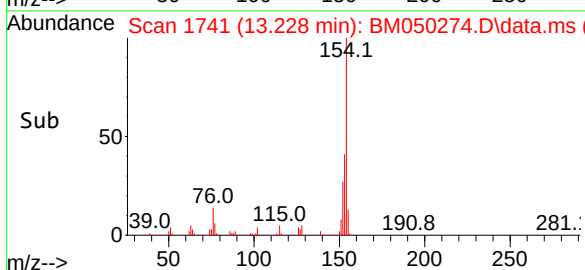
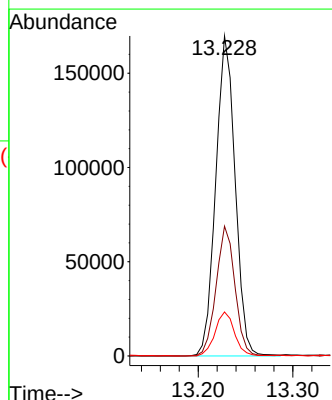
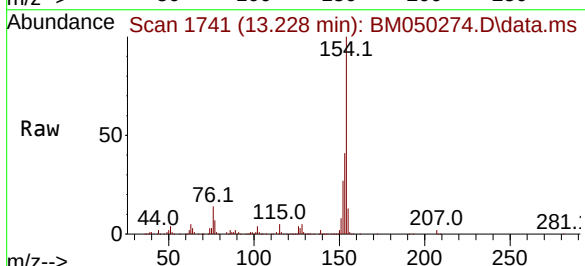
Tgt Ion:154 Resp: 241213

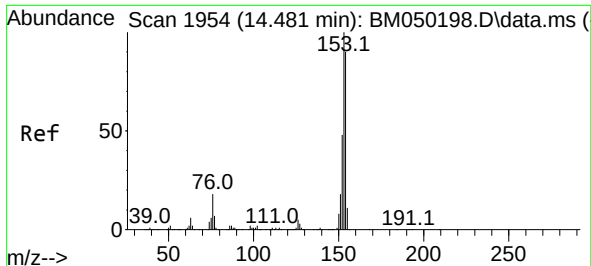
Ion Ratio Lower Upper

154 100

153 40.6 19.2 59.2

76 13.8 0.0 32.0

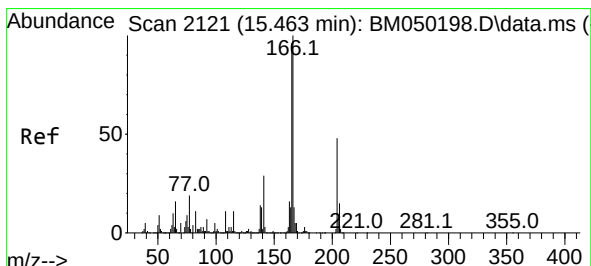
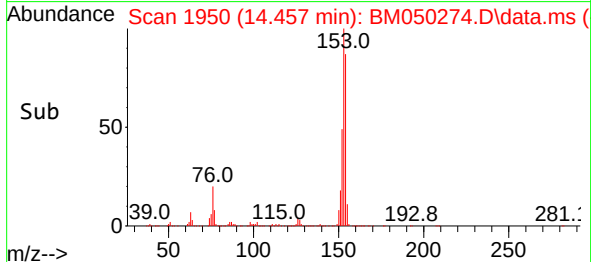
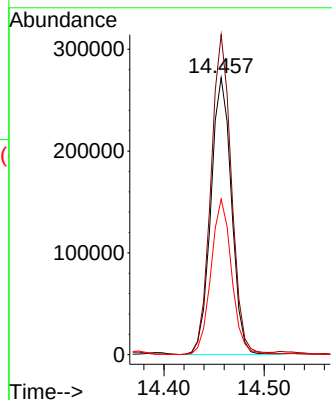
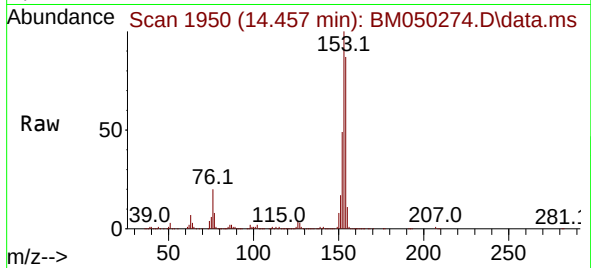




#52
Acenaphthene
Concen: 8.555 ng
RT: 14.457 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

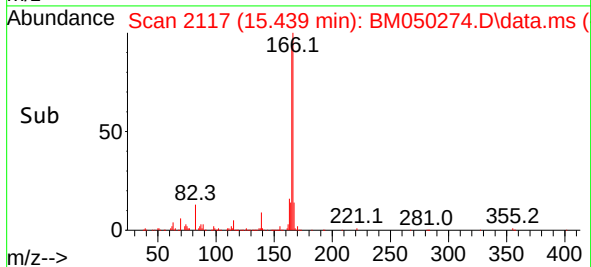
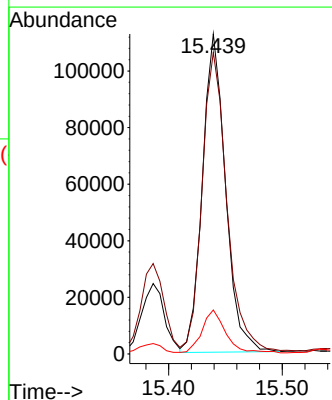
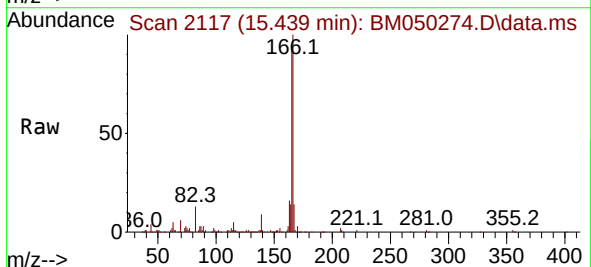
Instrument :
BNA_M
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MW-12-20250603DL

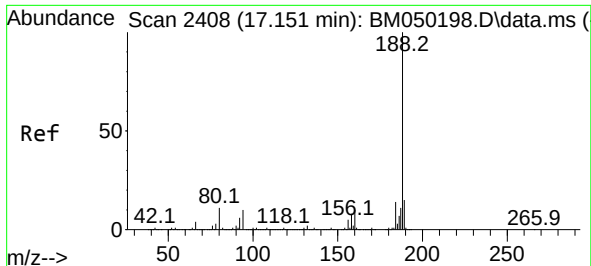
Tgt Ion:154 Resp: 388430
Ion Ratio Lower Upper
154 100
153 115.5 88.7 133.1
152 56.2 42.6 63.8



#58
Fluorene
Concen: 3.127 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:166 Resp: 159079
Ion Ratio Lower Upper
166 100
165 94.2 77.0 115.4
167 13.8 10.7 16.1

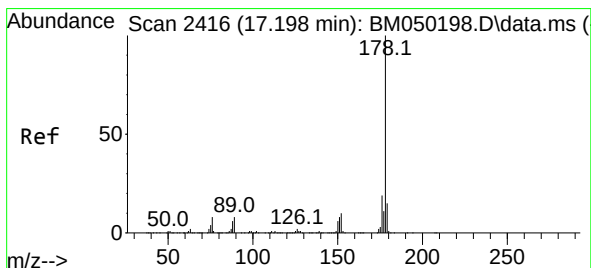
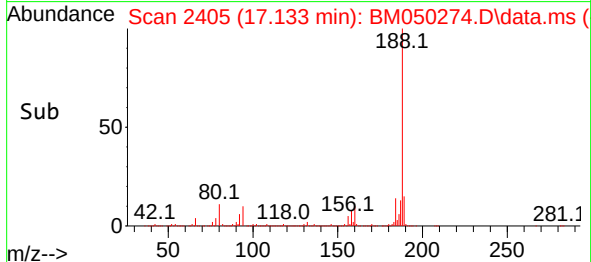
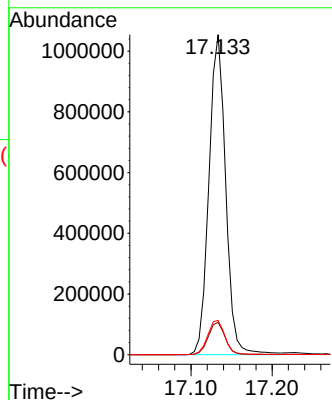
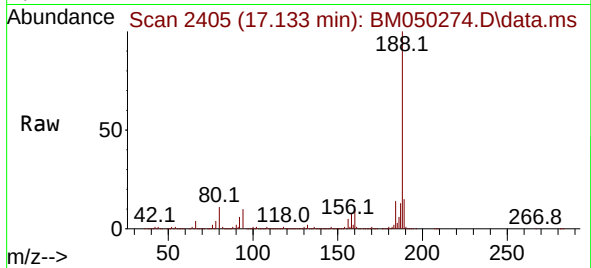




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

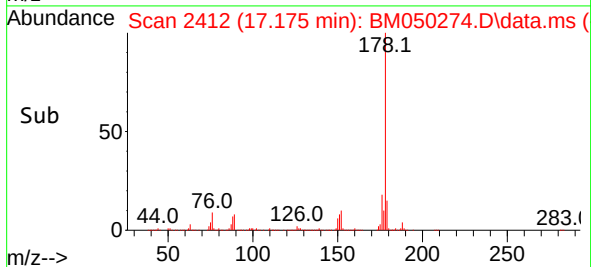
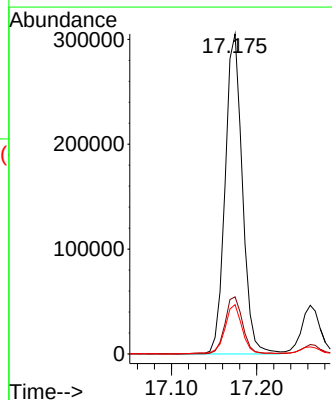
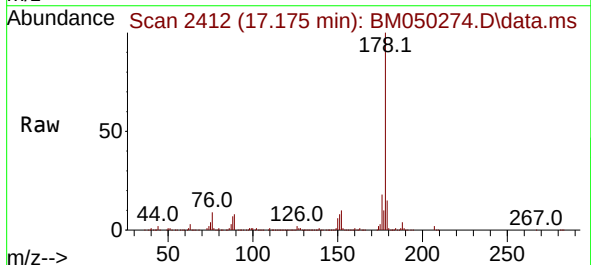
Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

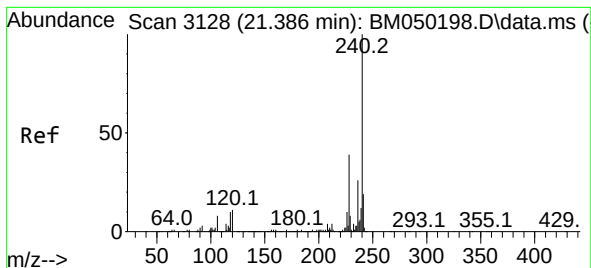
Tgt Ion:188 Resp: 1509253
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 10.7 8.6 13.0



#71
Phenanthrene
Concen: 4.987 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:178 Resp: 429996
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.4 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

Instrument :

BNA_M

ClientSampleId :

MW-12-20250603DL

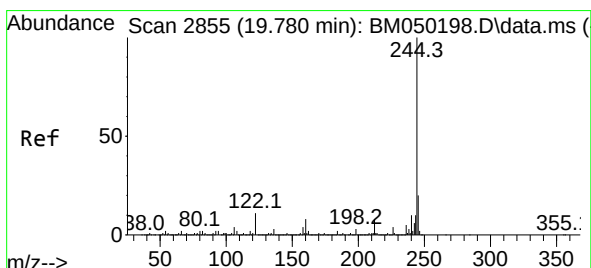
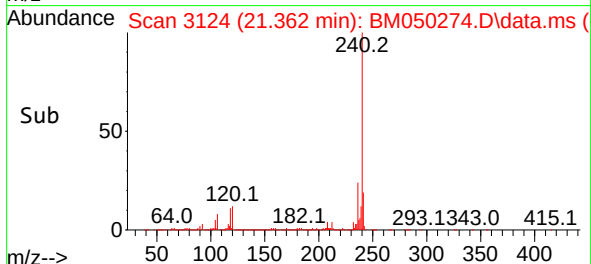
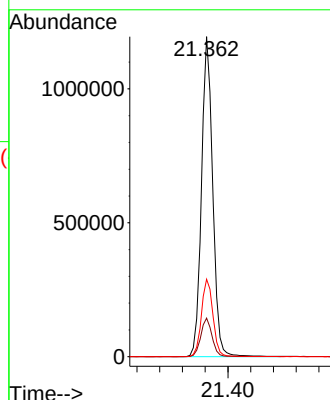
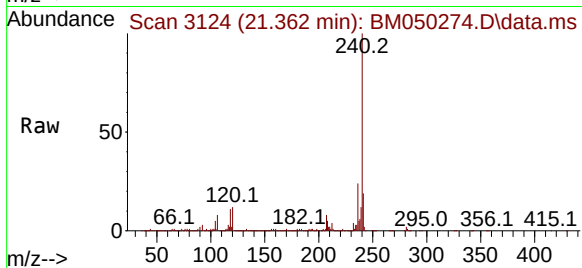
Tgt Ion:240 Resp: 1638874

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

236 24.2 20.7 31.1



#79

Terphenyl-d14

Concen: 10.625 ng

RT: 19.763 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BM050274.D

Acq: 10 Jun 2025 12:38

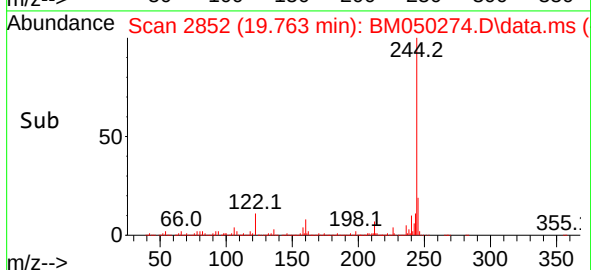
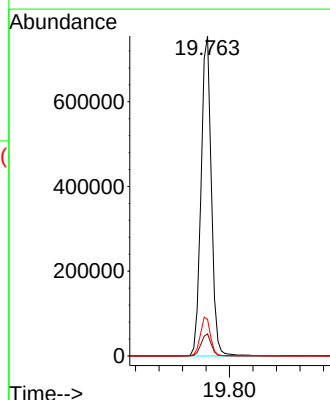
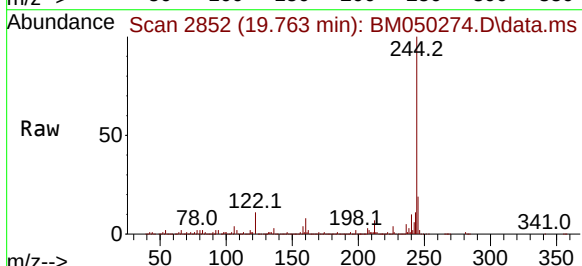
Tgt Ion:244 Resp: 918863

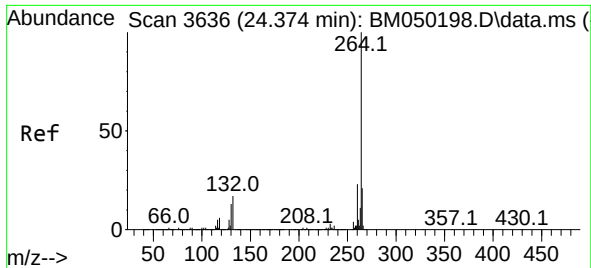
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

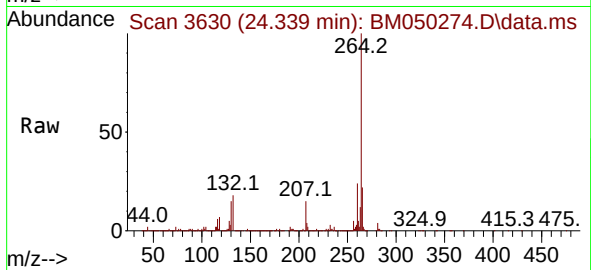
122 11.5 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.339 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL



Tgt Ion:264 Resp: 1724623
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.8 16.8 25.2

