

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050273.D
 Acq On : 10 Jun 2025 11:59
 Operator : RC/JU
 Sample : Q2231-02DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-14-20250604DL

Quant Time: Jun 10 12:31:06 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)

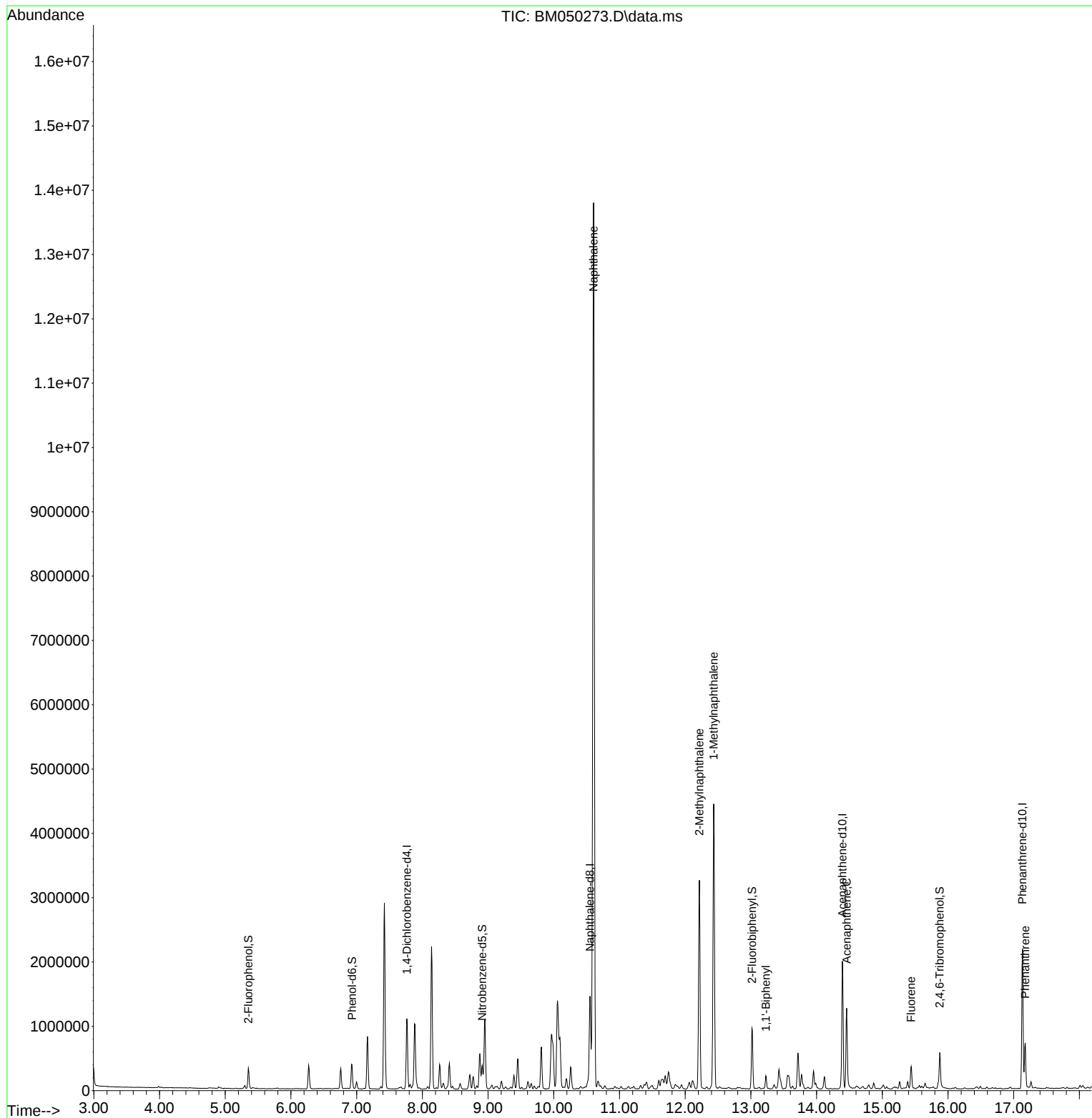
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	306070	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1203869	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	655906	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1230960	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1295114	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1344466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	143963	7.846	ng	0.00
7) Phenol-d6	6.928	99	104618	4.331	ng	0.00
23) Nitrobenzene-d5	8.910	82	213430	9.220	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	108039	14.482	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	487246	10.057	ng	-0.01
79) Terphenyl-d14	19.757	244	751319	10.993	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	12286529	197.397	ng	99
37) 2-Methylnaphthalene	12.216	142	1528618	40.709	ng	100
38) 1-Methylnaphthalene	12.434	142	2058141	51.642	ng	99
46) 1,1'-Biphenyl	13.228	154	100305	2.042	ng	98
52) Acenaphthene	14.457	154	421719	10.917	ng	99
58) Fluorene	15.439	166	143496	3.315	ng	98
71) Phenanthrene	17.175	178	419160	5.961	ng	98

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

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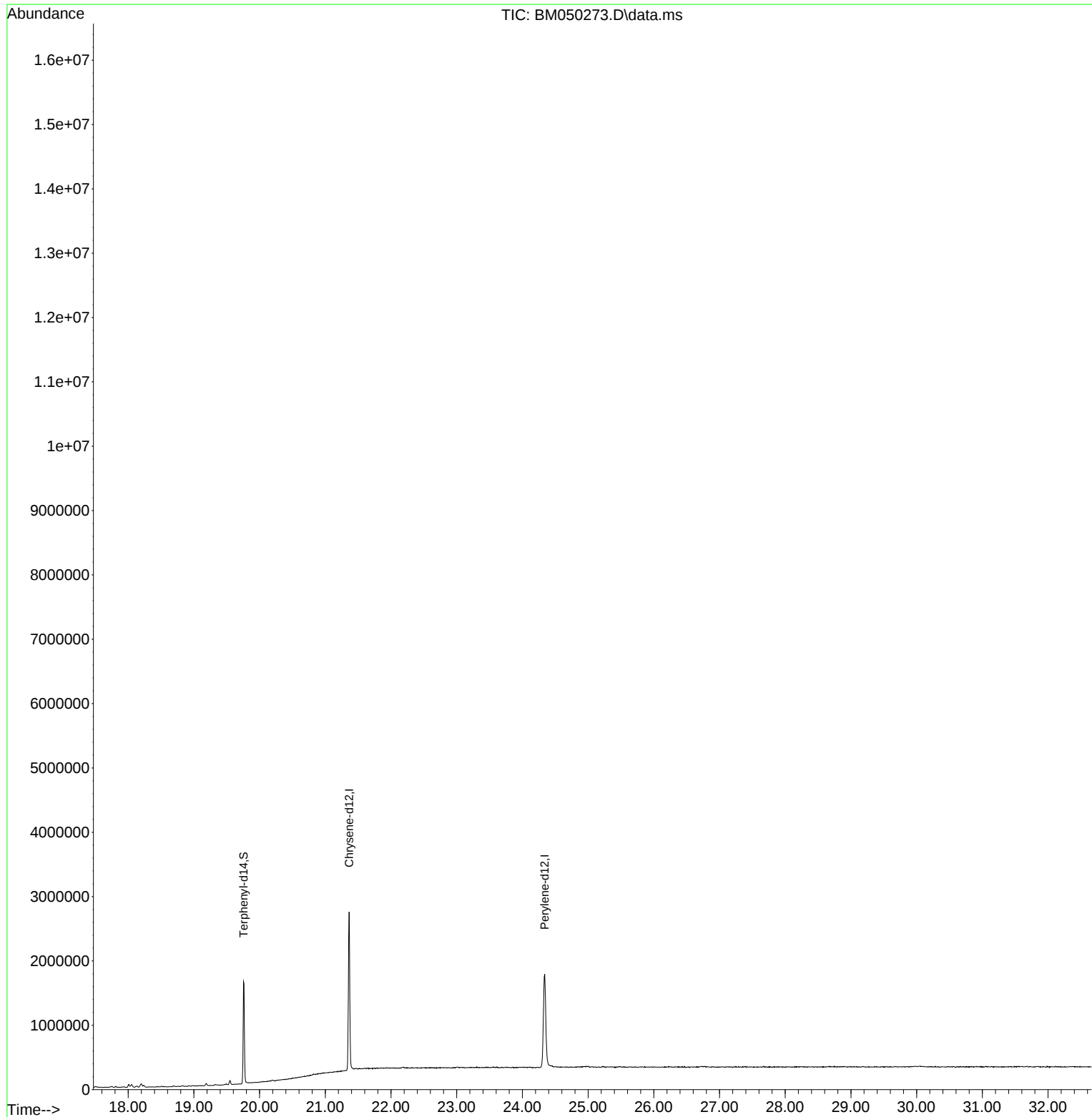
Quant Time: Jun 10 12:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

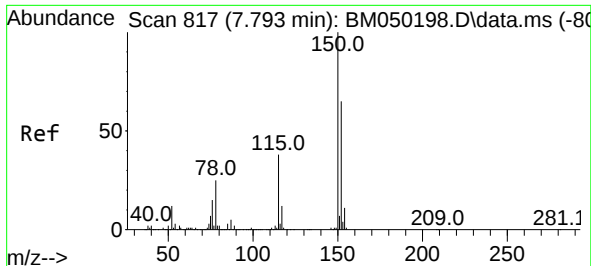


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
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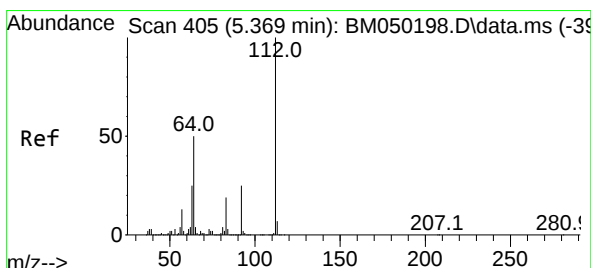
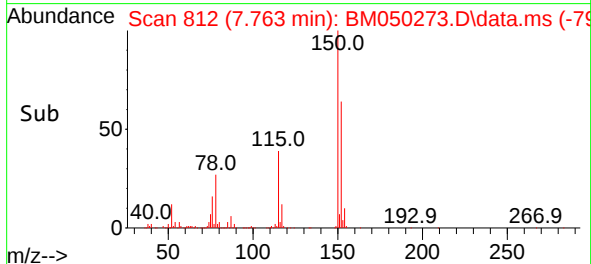
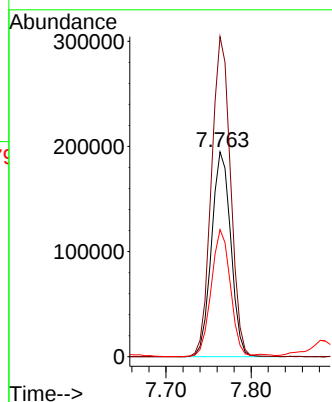
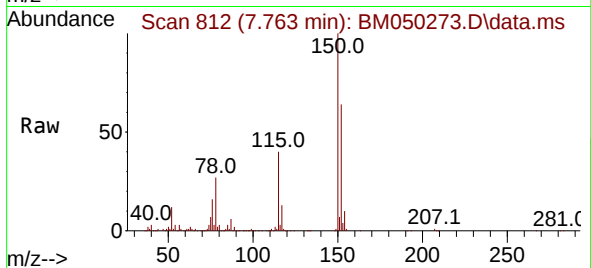




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 817
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

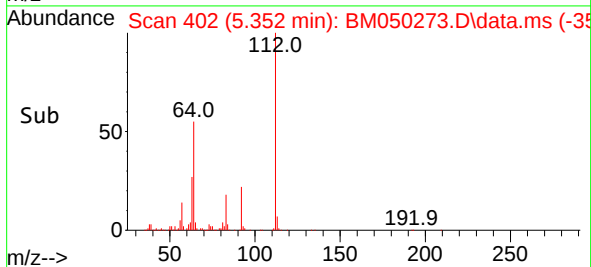
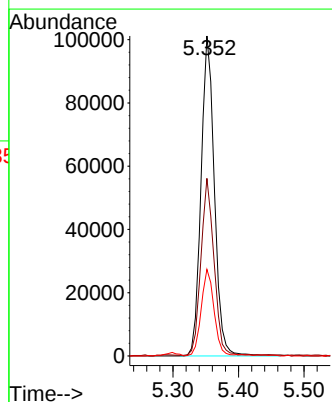
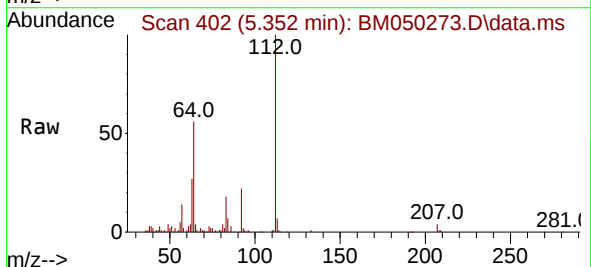
Instrument :
BNA_M
ClientSampleId :
MW-14-20250604DL

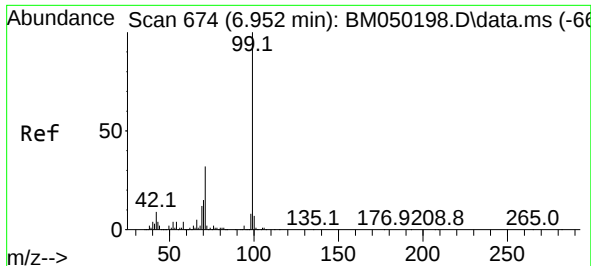
Tgt Ion:152 Resp: 306070
Ion Ratio Lower Upper
152 100
150 156.2 122.2 183.4
115 62.0 46.3 69.5



#5
2-Fluorophenol
Concen: 7.846 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion:112 Resp: 143963
Ion Ratio Lower Upper
112 100
64 55.5 39.8 59.6
63 27.1 19.8 29.8

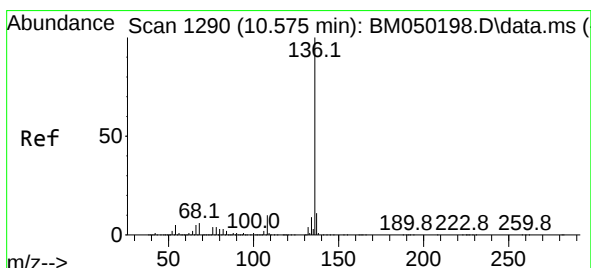
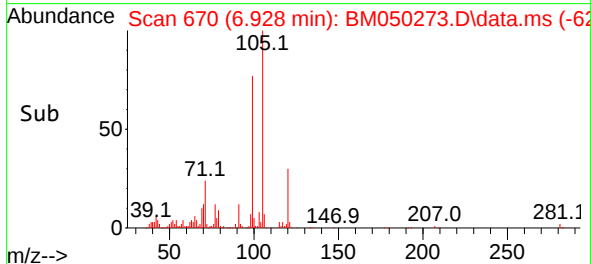
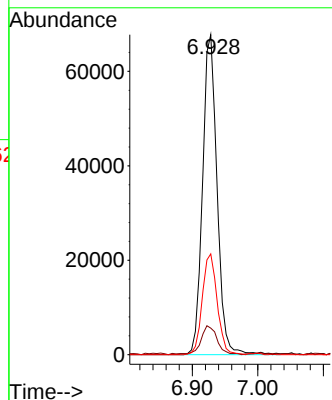
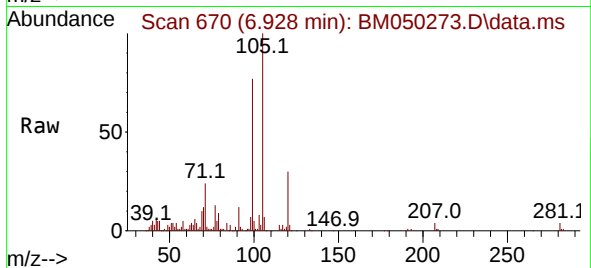




#7
Phenol-d6
Concen: 4.331 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

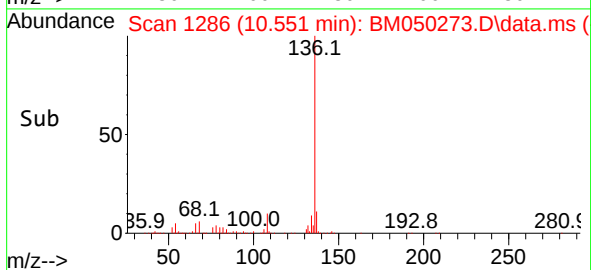
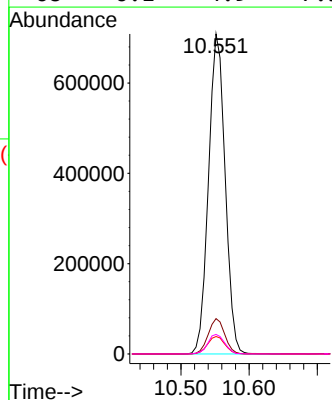
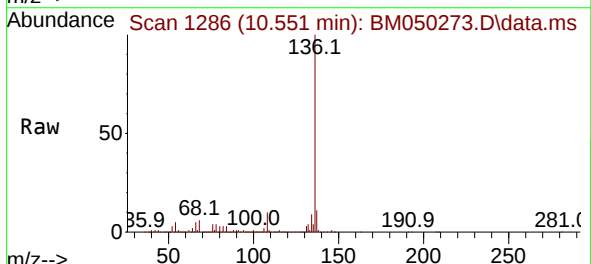
Instrument :
BNA_M
ClientSampleId :
MW-14-20250604DL

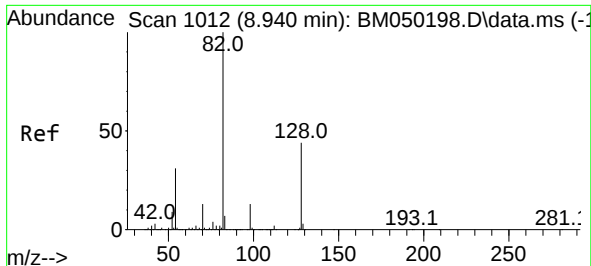
Tgt Ion: 99 Resp: 104618
Ion Ratio Lower Upper
99 100
42 8.3 6.9 10.3
71 31.5 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion: 136 Resp: 1203869
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.4 3.8 5.8
68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 9.220 ng

RT: 8.910 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

MW-14-20250604DL

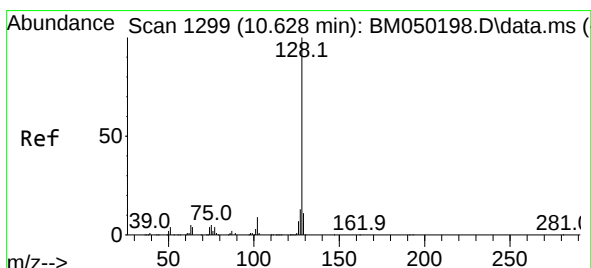
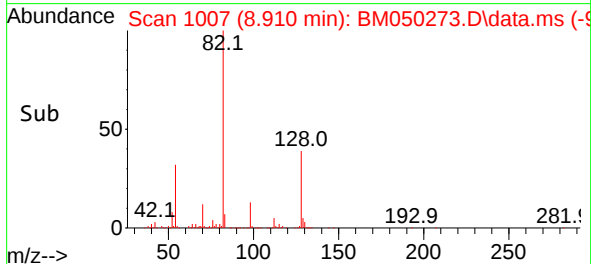
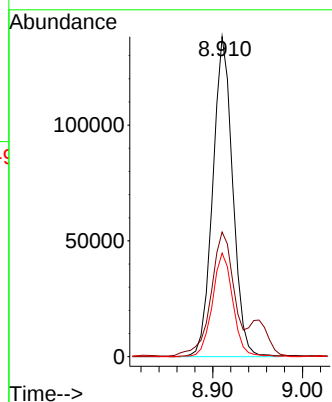
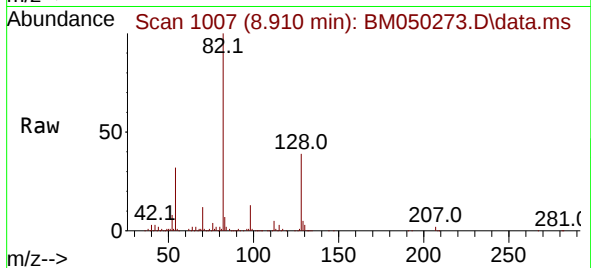
Tgt Ion: 82 Resp: 213430

Ion Ratio Lower Upper

82 100

128 38.9 35.2 52.8

54 32.3 24.5 36.7



#31

Naphthalene

Concen: 197.397 ng

RT: 10.604 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

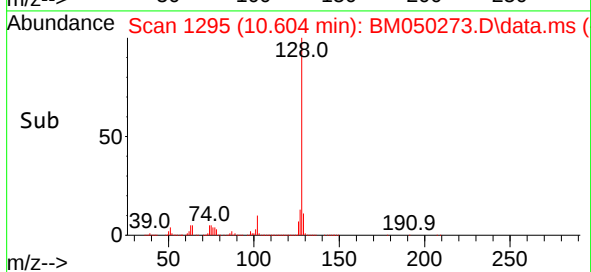
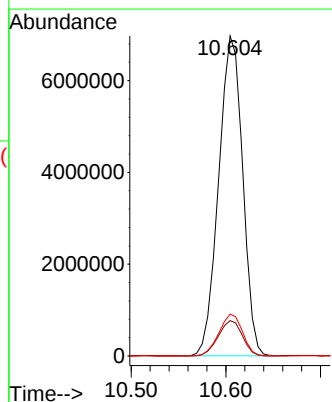
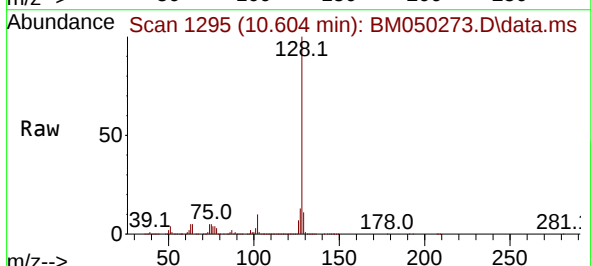
Tgt Ion:128 Resp:12286529

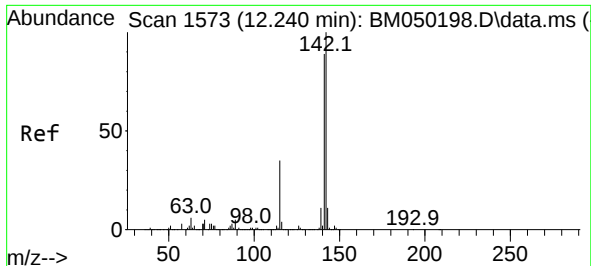
Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.1 10.2 15.4

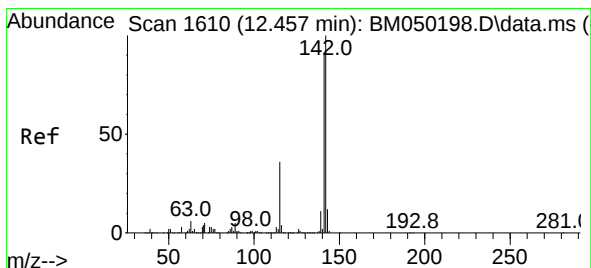
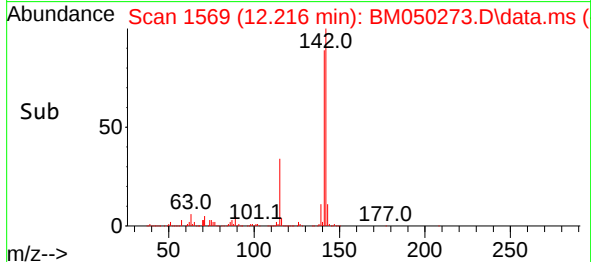
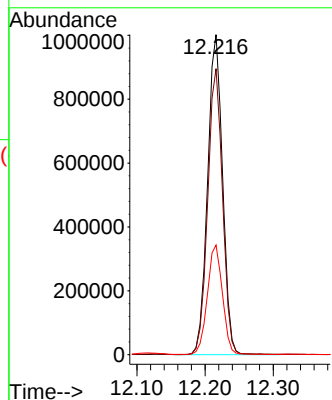
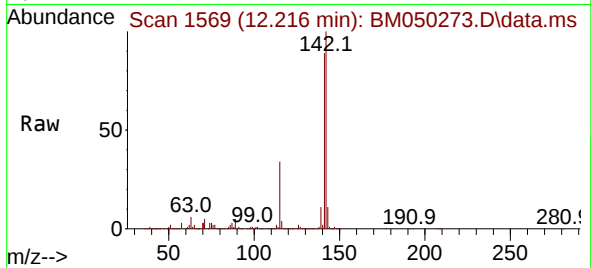




#37
2-Methylnaphthalene
Concen: 40.709 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

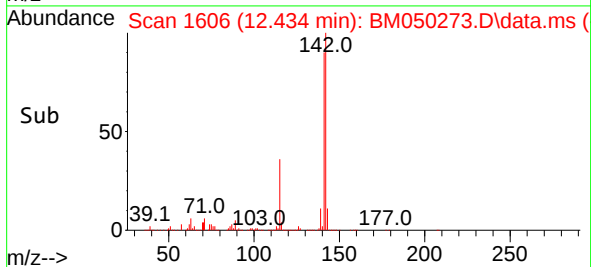
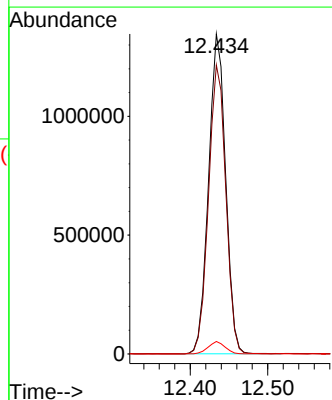
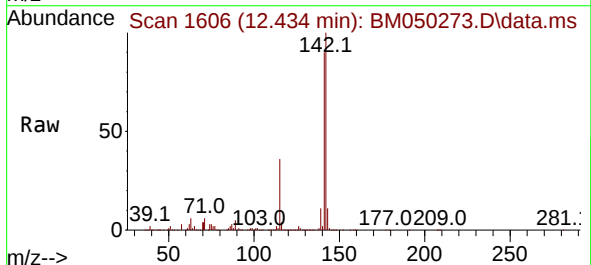
Instrument :
BNA_M
ClientSampleId :
MW-14-20250604DL

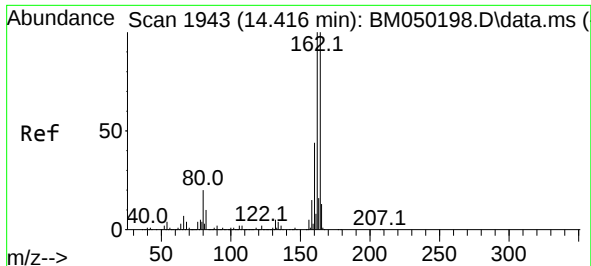
Tgt Ion:142 Resp: 1528618
Ion Ratio Lower Upper
142 100
141 89.4 71.5 107.3
115 34.2 27.8 41.8



#38
1-Methylnaphthalene
Concen: 51.642 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion:142 Resp: 2058141
Ion Ratio Lower Upper
142 100
141 90.3 72.9 109.3
116 3.9 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: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

MW-14-20250604DL

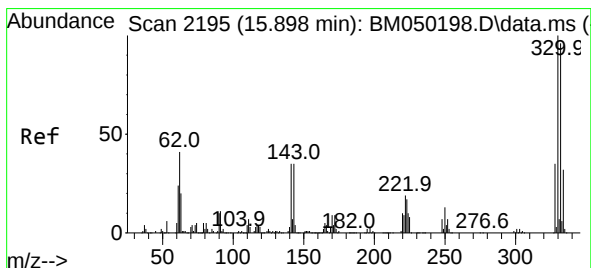
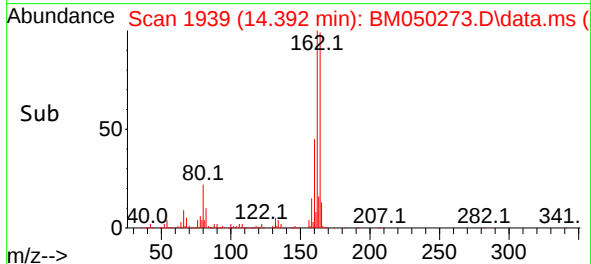
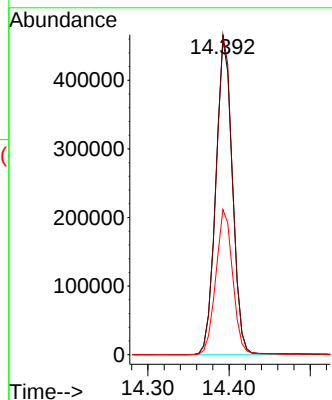
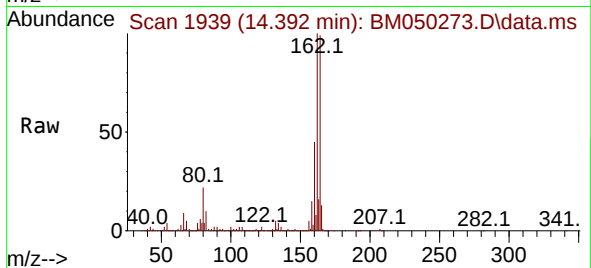
Tgt Ion:164 Resp: 655906

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.4

160 46.0 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 14.482 ng

RT: 15.875 min Scan# 2191

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

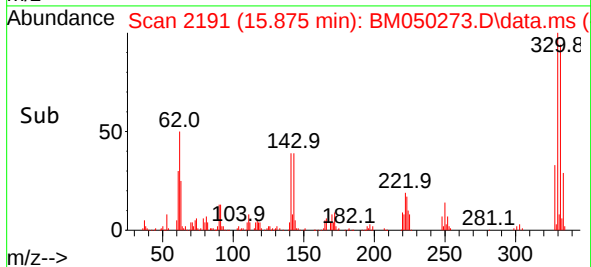
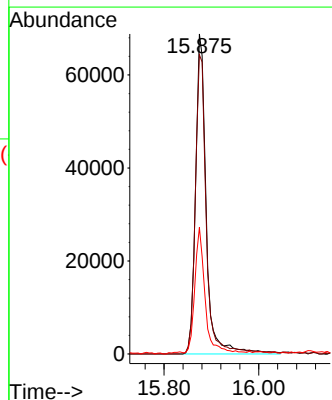
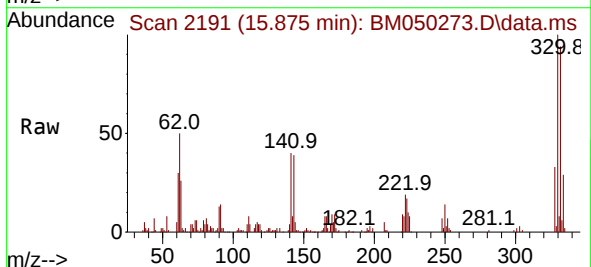
Tgt Ion:330 Resp: 108039

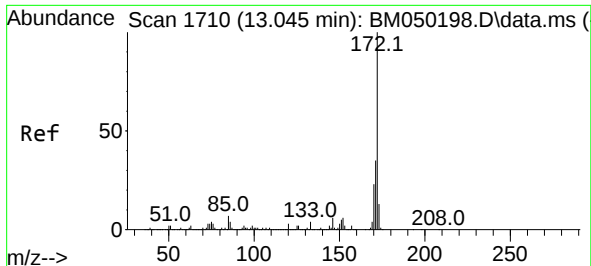
Ion Ratio Lower Upper

330 100

332 95.6 77.5 116.3

141 36.6 28.8 43.2

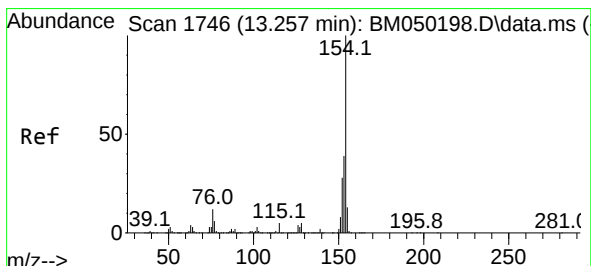
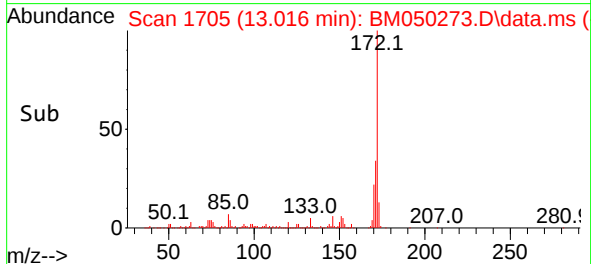
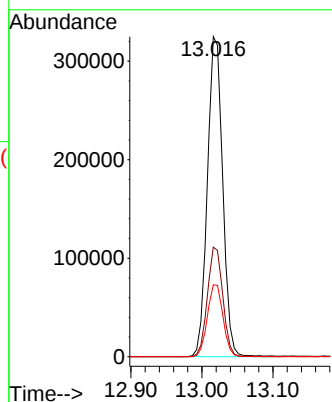
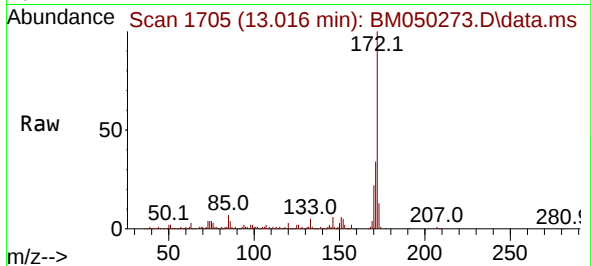




#45
2-Fluorobiphenyl
Concen: 10.057 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

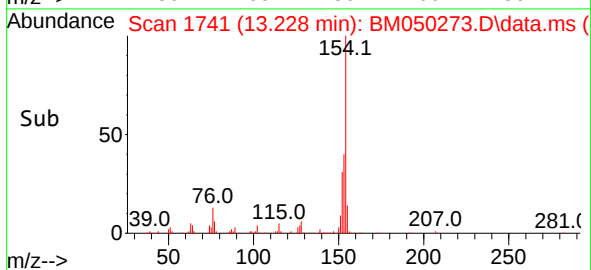
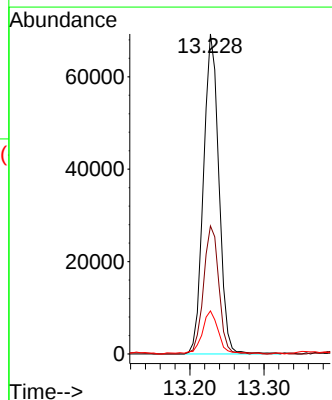
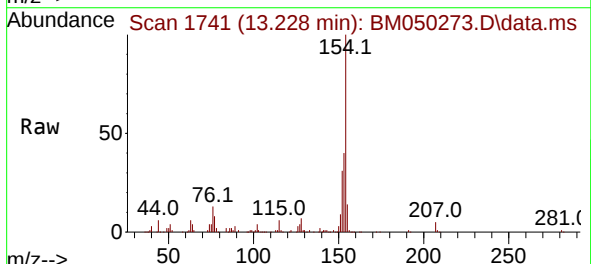
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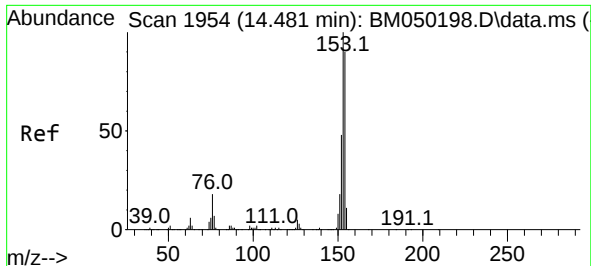
Tgt Ion:172 Resp: 487246
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.5 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.042 ng
RT: 13.228 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion:154 Resp: 100305
Ion Ratio Lower Upper
154 100
153 40.0 19.2 59.2
76 13.5 0.0 32.0

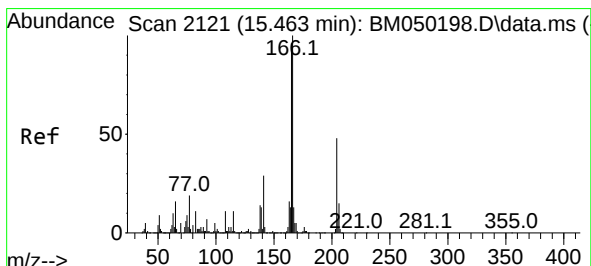
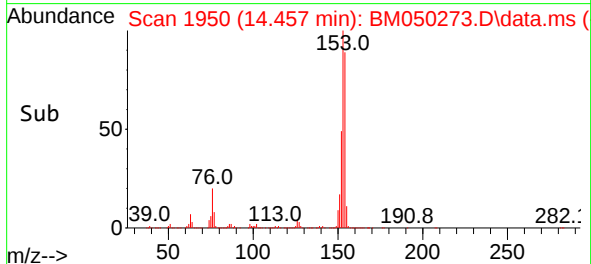
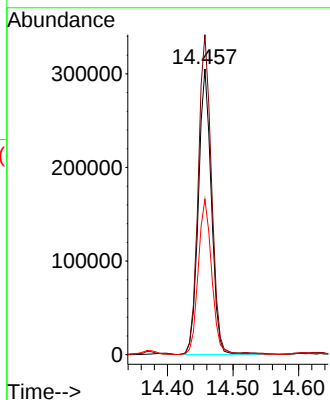
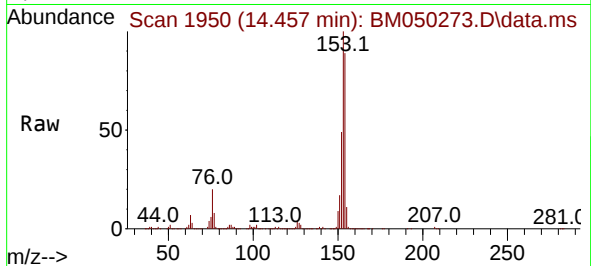




#52
Acenaphthene
Concen: 10.917 ng
RT: 14.457 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

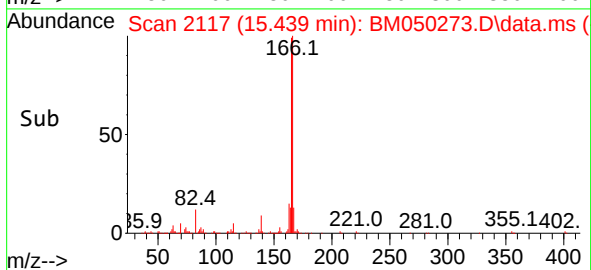
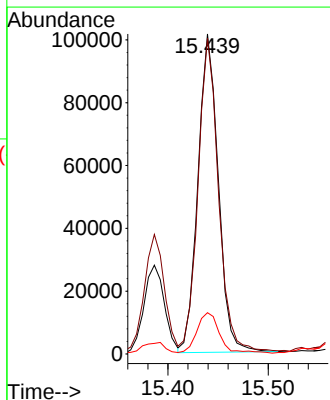
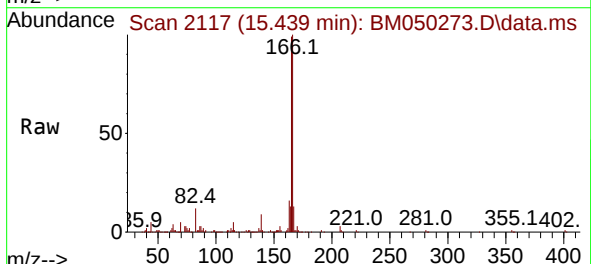
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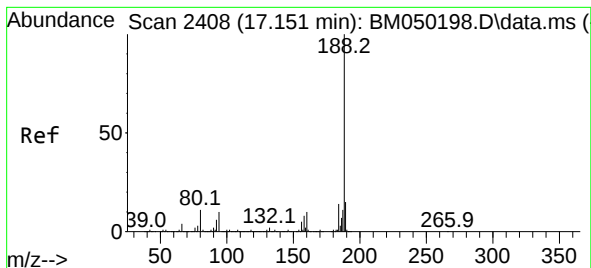
Tgt Ion:154 Resp: 421719
Ion Ratio Lower Upper
154 100
153 112.0 88.7 133.1
152 54.3 42.6 63.8



#58
Fluorene
Concen: 3.315 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion:166 Resp: 143496
Ion Ratio Lower Upper
166 100
165 98.7 77.0 115.4
167 12.9 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: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

MW-14-20250604DL

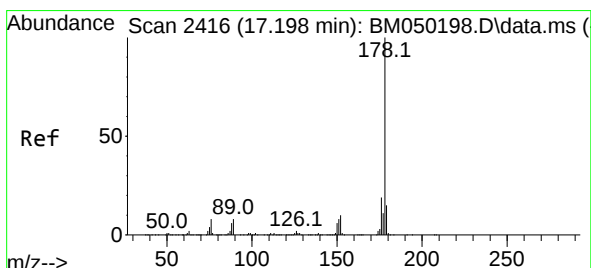
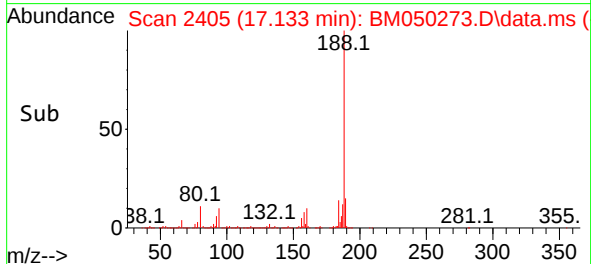
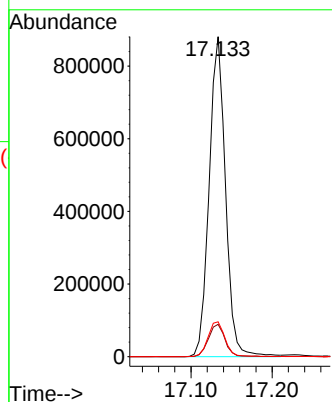
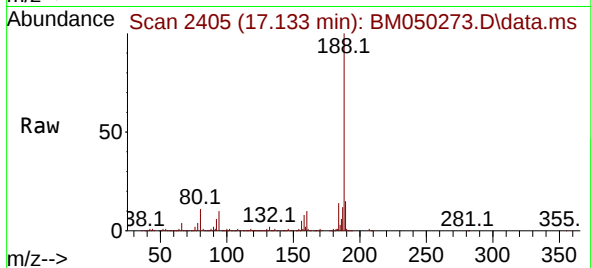
Tgt Ion:188 Resp: 1230960

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

80 10.9 8.6 13.0



#71

Phenanthrene

Concen: 5.961 ng

RT: 17.175 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

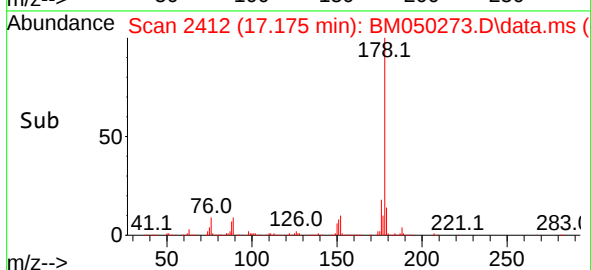
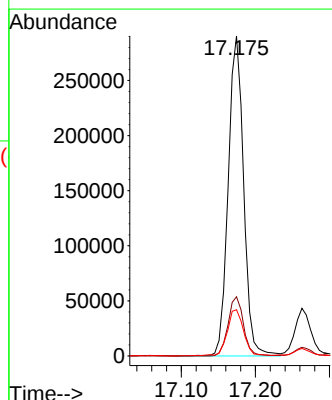
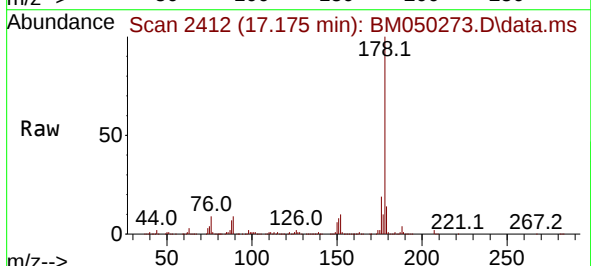
Tgt Ion:178 Resp: 419160

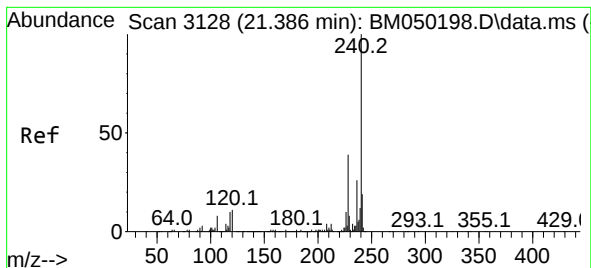
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.5 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: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

MW-14-20250604DL

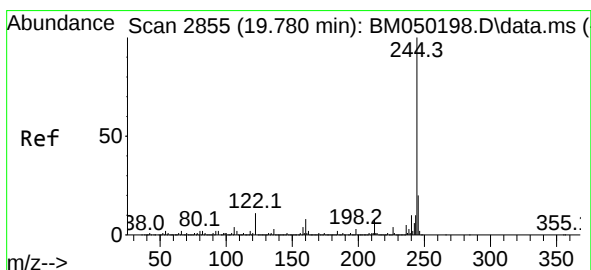
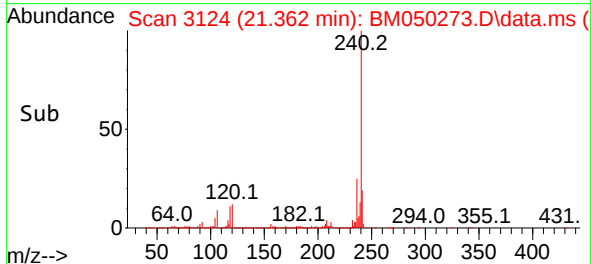
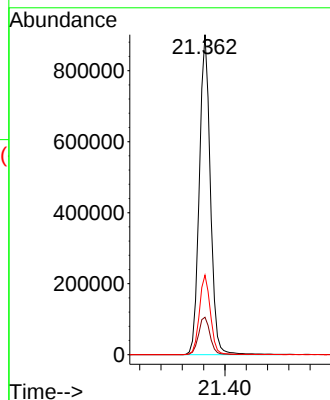
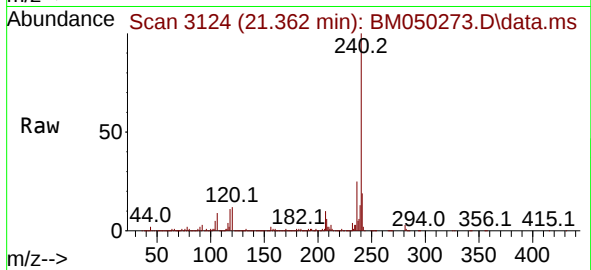
Tgt Ion:240 Resp: 1295114

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.4

236 24.9 20.7 31.1



#79

Terphenyl-d14

Concen: 10.993 ng

RT: 19.757 min Scan# 2851

Delta R.T. -0.011 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

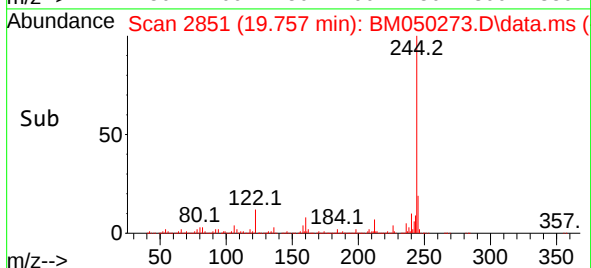
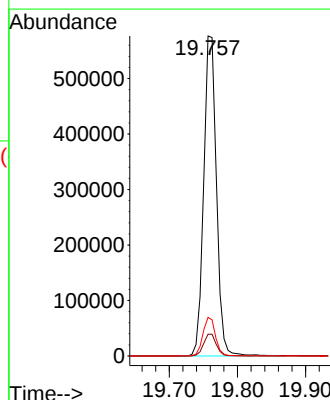
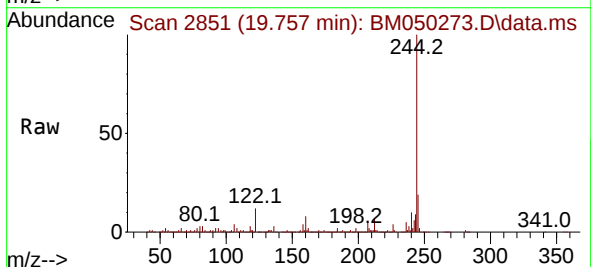
Tgt Ion:244 Resp: 751319

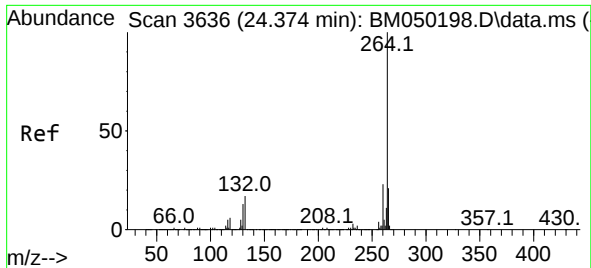
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

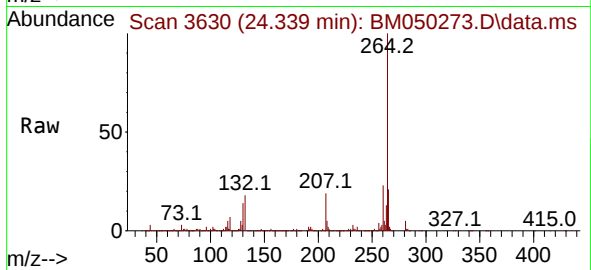
122 12.1 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.339 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Instrument :
BNA_M
ClientSampleId :
MW-14-20250604DL



Tgt Ion:264 Resp: 1344466
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.2 16.8 25.2

