

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050254.D
 Acq On : 09 Jun 2025 22:56
 Operator : RC/JU
 Sample : Q2236-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-05-C

Quant Time: Jun 10 01:28:25 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)

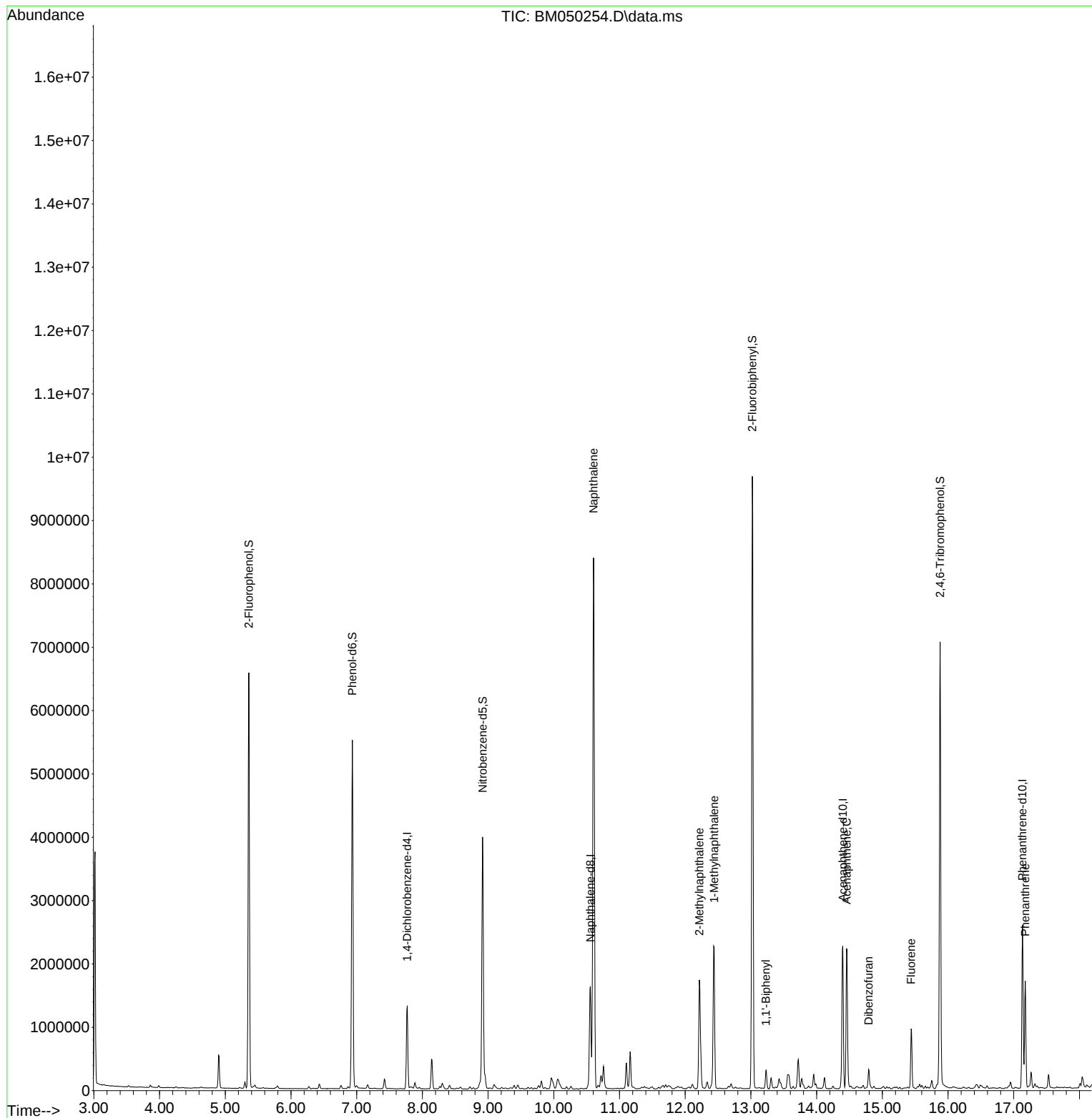
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	372657	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1419602	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	799341	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1429372	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1316639	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1352313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3073333	137.573	ng	0.00
7) Phenol-d6	6.934	99	3489531	118.659	ng	0.00
23) Nitrobenzene-d5	8.916	82	2529986	92.688	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1300437	143.032	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	5056880	85.649	ng	0.00
79) Terphenyl-d14	19.762	244	6346327	91.342	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	7308166	99.571	ng	100
37) 2-Methylnaphthalene	12.216	142	763922	17.253	ng	99
38) 1-Methylnaphthalene	12.439	142	1094227	23.284	ng	99
46) 1,1'-Biphenyl	13.228	154	154552	2.582	ng	98
52) Acenaphthene	14.457	154	801278	17.021	ng	98
55) Dibenzofuran	14.792	168	169828	2.466	ng	99
58) Fluorene	15.439	166	416718	7.900	ng	100
71) Phenanthrene	17.174	178	985702	12.072	ng	99

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

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WC-A2-05-C

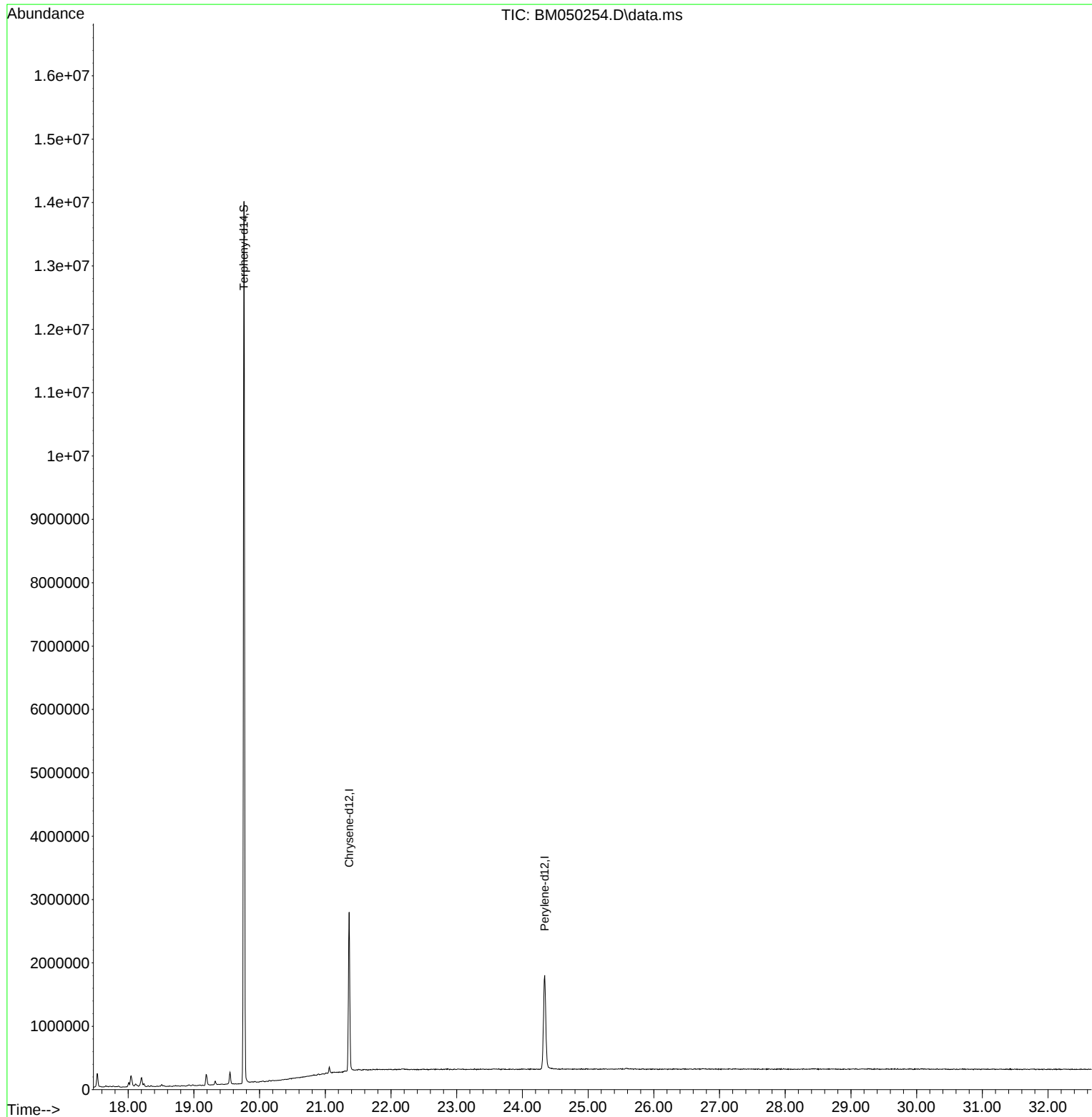
Quant Time: Jun 10 01:28:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

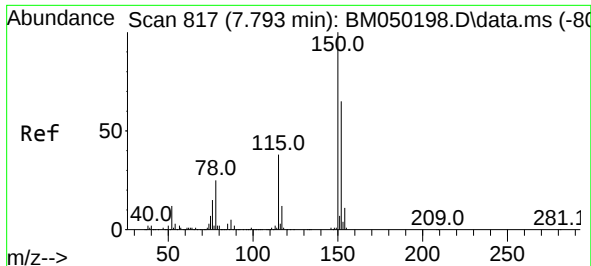


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
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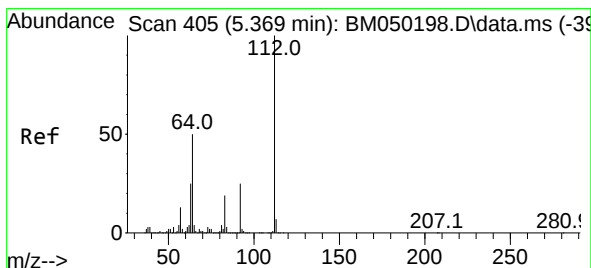
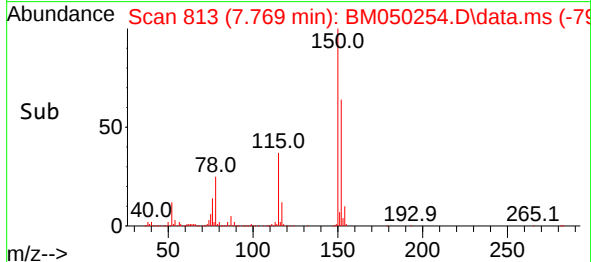
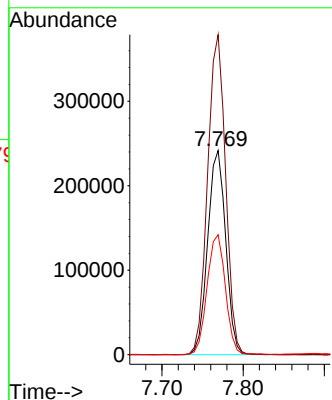
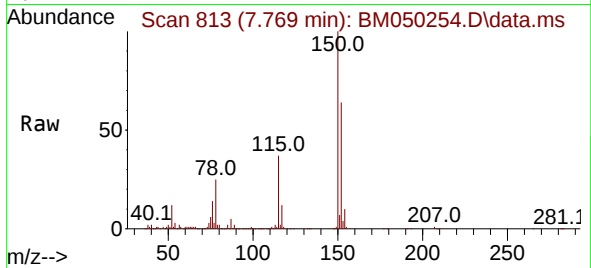




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 817
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

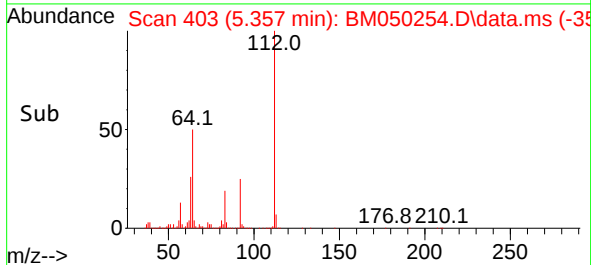
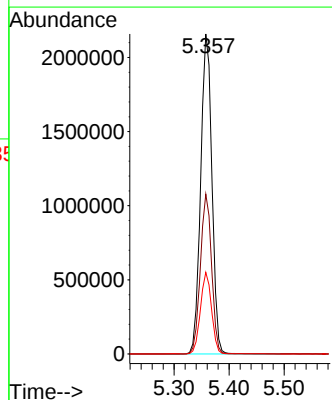
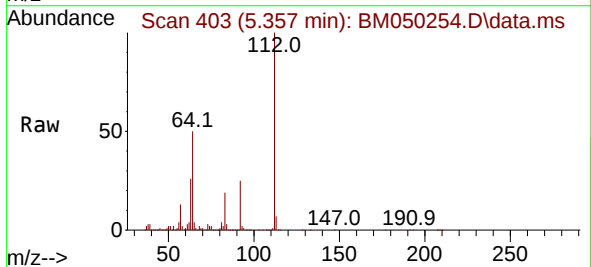
Instrument :
BNA_M
ClientSampleId :
WC-A2-05-C

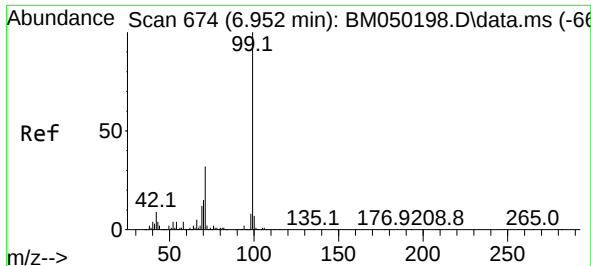
Tgt Ion:152 Resp: 372657
Ion Ratio Lower Upper
152 100
150 156.7 122.2 183.4
115 58.8 46.3 69.5



#5
2-Fluorophenol
Concen: 137.573 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion:112 Resp: 3073333
Ion Ratio Lower Upper
112 100
64 50.0 39.8 59.6
63 25.5 19.8 29.8

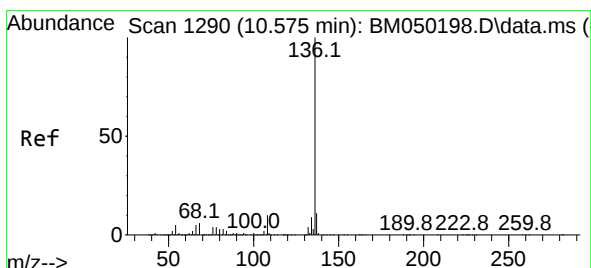
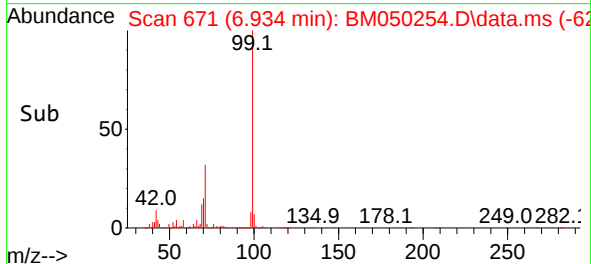
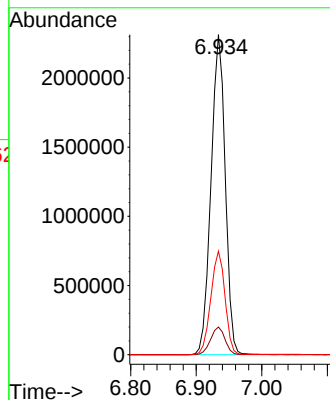
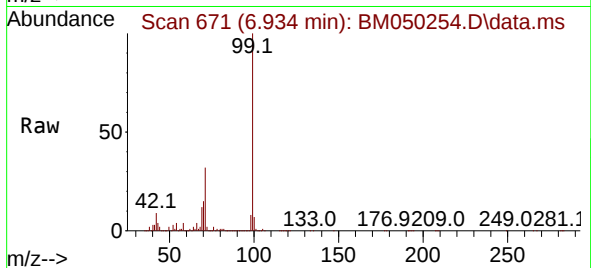




#7
Phenol-d6
Concen: 118.659 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

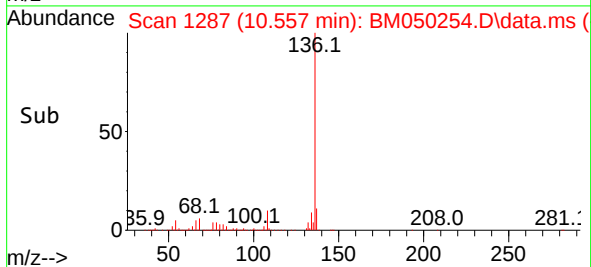
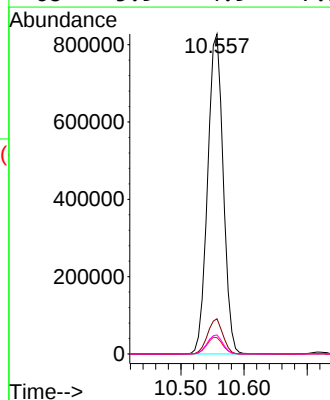
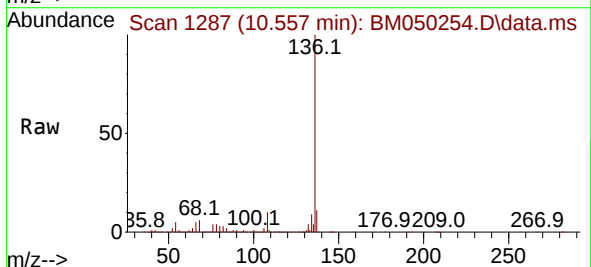
Instrument :
BNA_M
ClientSampleId :
WC-A2-05-C

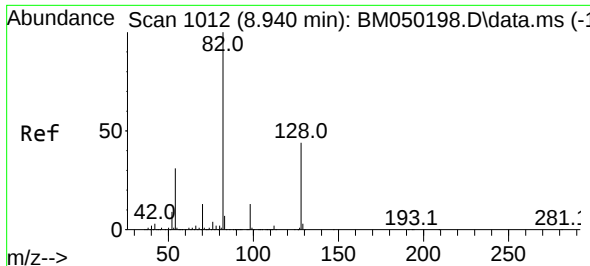
Tgt Ion: 99 Resp: 3489531
Ion Ratio Lower Upper
99 100
42 8.6 6.9 10.3
71 32.3 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion: 136 Resp: 1419602
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.1 3.8 5.8
68 5.9 4.9 7.3

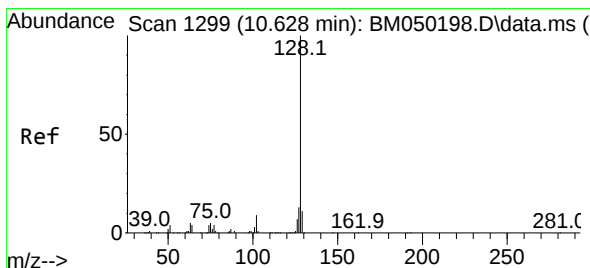
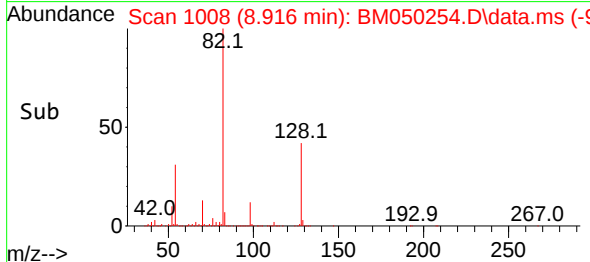
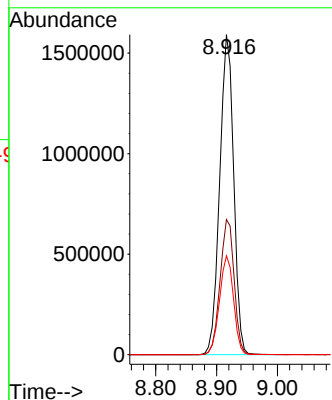
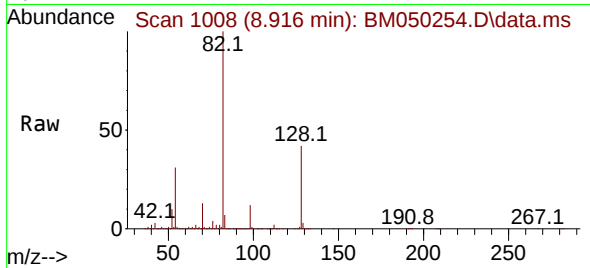




#23
Nitrobenzene-d5
Concen: 92.688 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

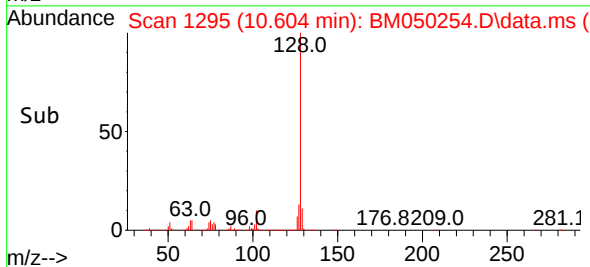
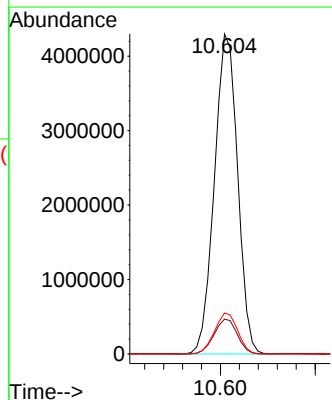
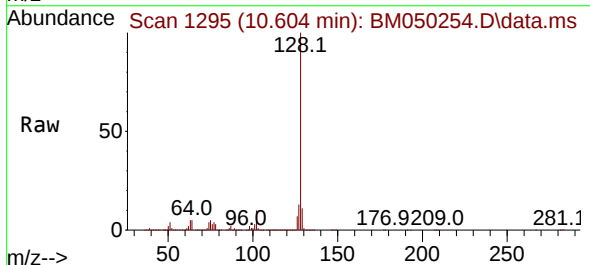
Instrument :
BNA_M
ClientSampleId :
WC-A2-05-C

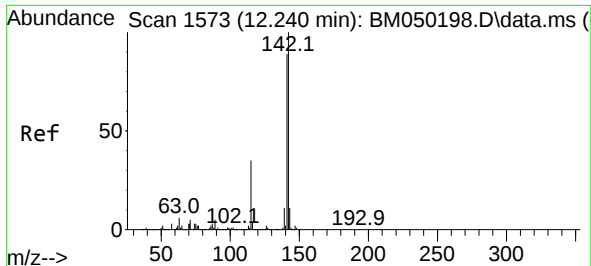
Tgt Ion: 82 Resp: 2529986
Ion Ratio Lower Upper
82 100
128 42.2 35.2 52.8
54 30.9 24.5 36.7



#31
Naphthalene
Concen: 99.571 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion:128 Resp: 7308166
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.8 10.2 15.4

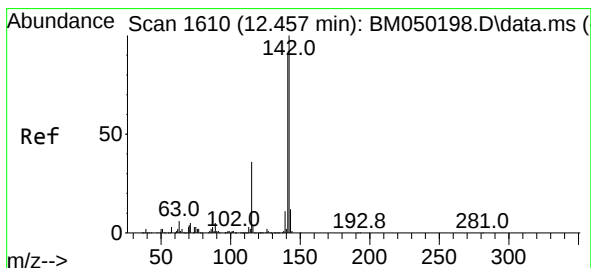
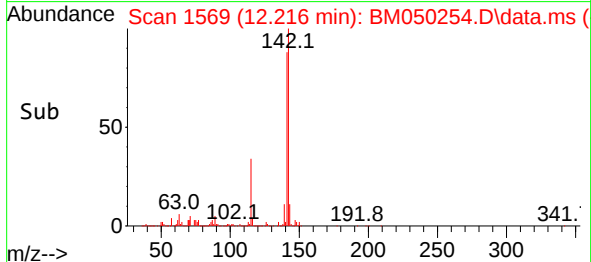
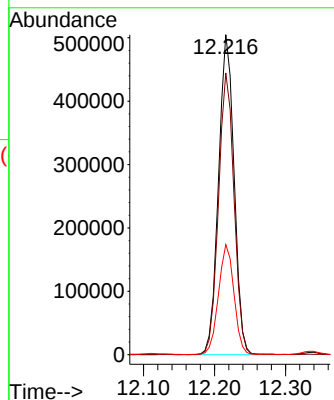
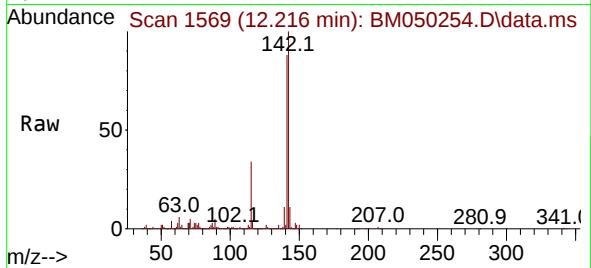




#37
2-Methylnaphthalene
Concen: 17.253 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

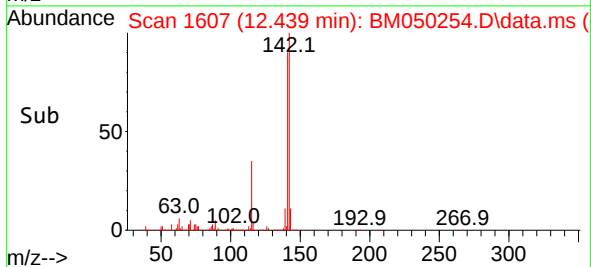
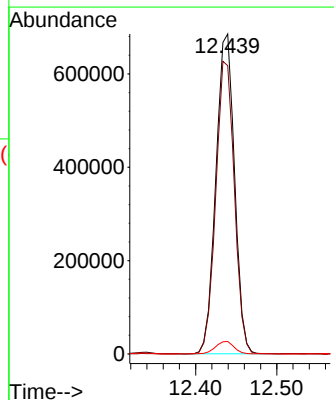
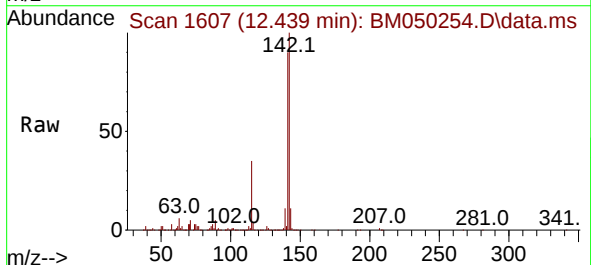
Instrument :
BNA_M
ClientSampleId :
WC-A2-05-C

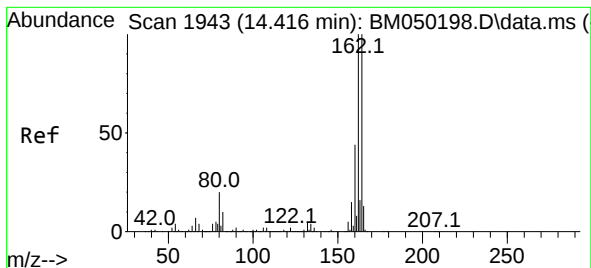
Tgt Ion:142 Resp: 763922
Ion Ratio Lower Upper
142 100
141 88.1 71.5 107.3
115 34.4 27.8 41.8



#38
1-Methylnaphthalene
Concen: 23.284 ng
RT: 12.439 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion:142 Resp: 1094227
Ion Ratio Lower Upper
142 100
141 90.1 72.9 109.3
116 3.9 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: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA_M

ClientSampleId :

WC-A2-05-C

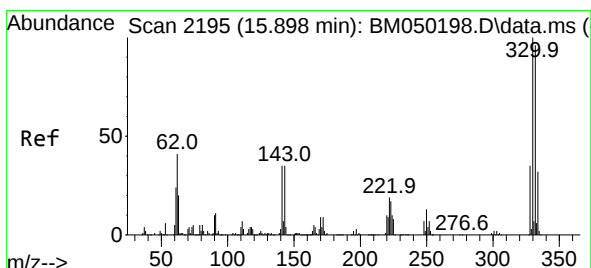
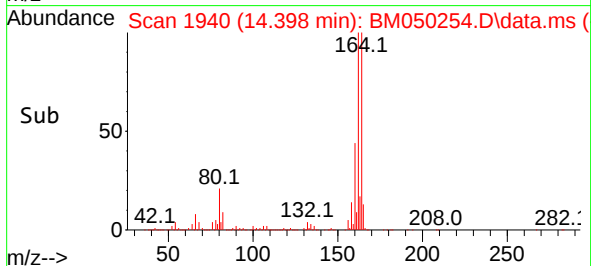
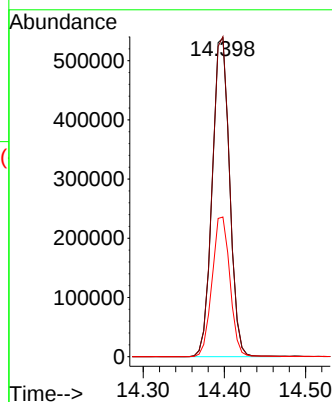
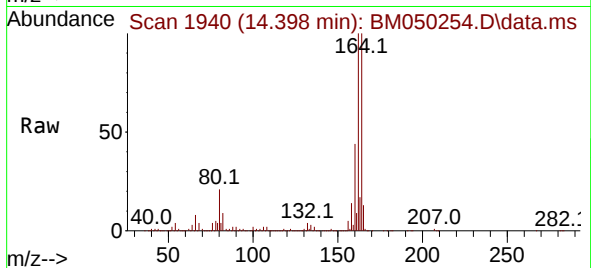
Tgt Ion:164 Resp: 799341

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.4

160 43.8 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 143.032 ng

RT: 15.880 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

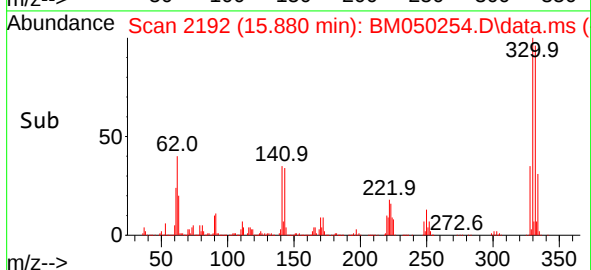
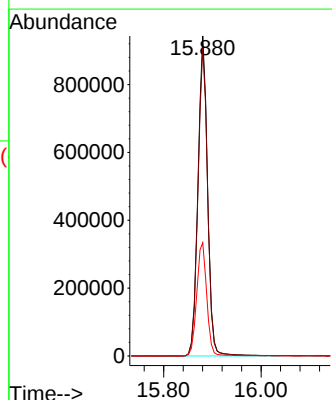
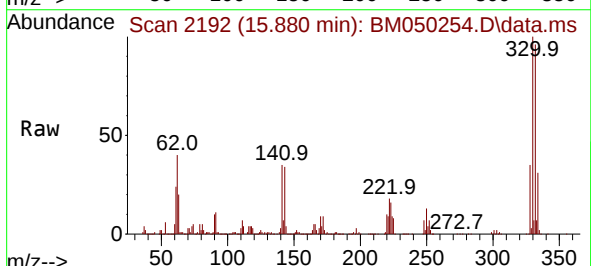
Tgt Ion:330 Resp: 1300437

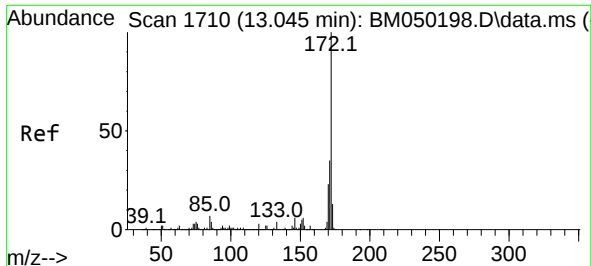
Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

141 36.9 28.8 43.2

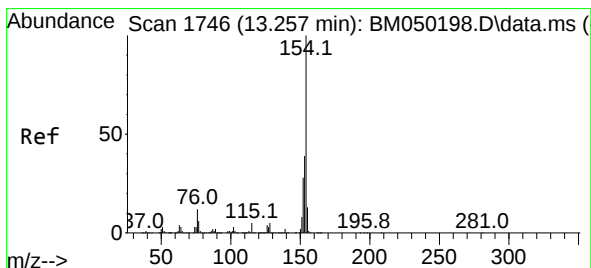
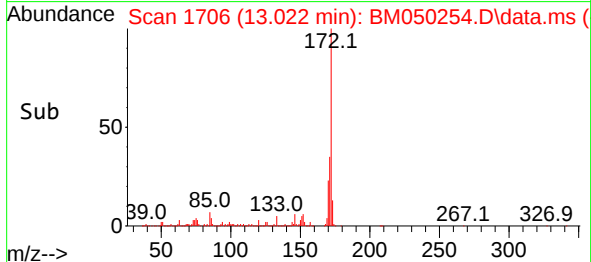
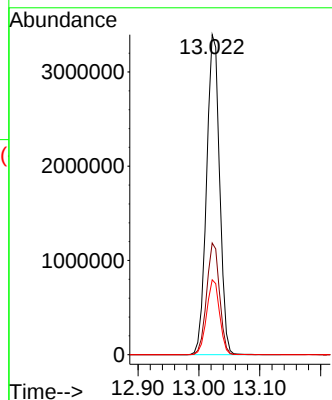
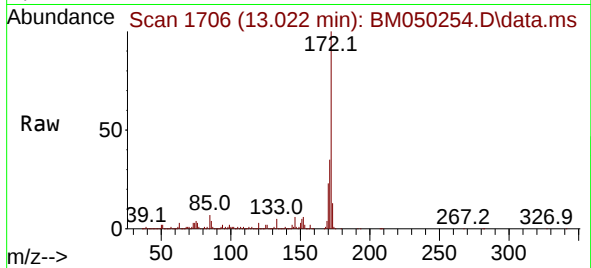




#45
2-Fluorobiphenyl
Concen: 85.649 ng
RT: 13.022 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

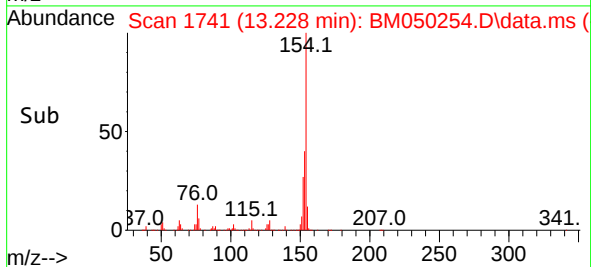
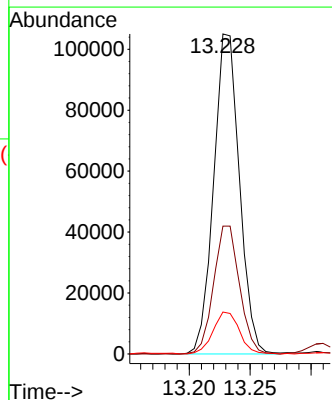
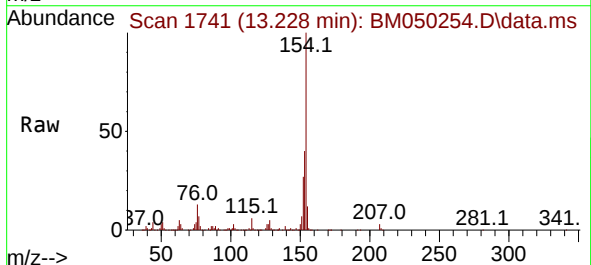
Instrument :
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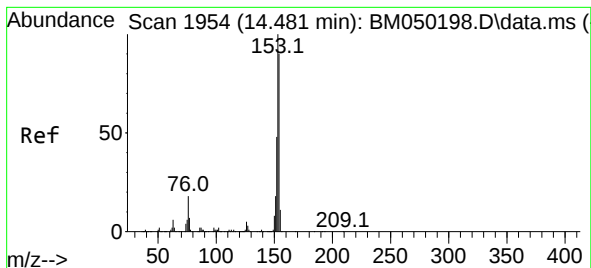
Tgt Ion:172 Resp: 5056880
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.582 ng
RT: 13.228 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion:154 Resp: 154552
Ion Ratio Lower Upper
154 100
153 39.9 19.2 59.2
76 13.1 0.0 32.0





#52

Acenaphthene

Concen: 17.021 ng

RT: 14.457 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA_M

ClientSampleId :

WC-A2-05-C

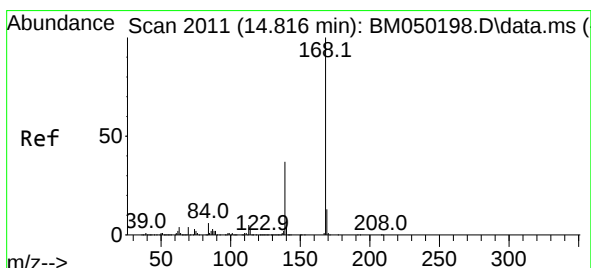
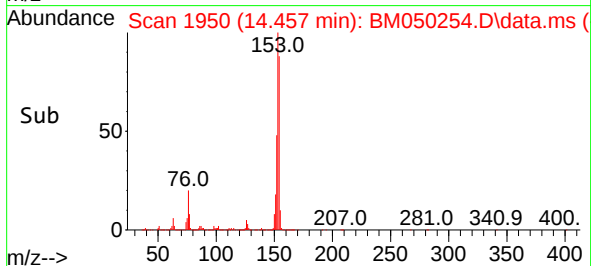
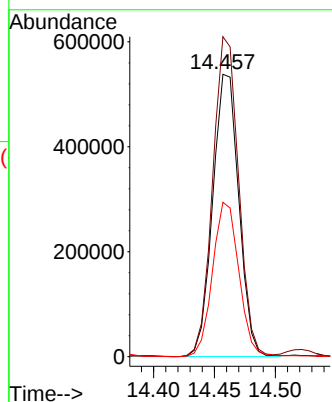
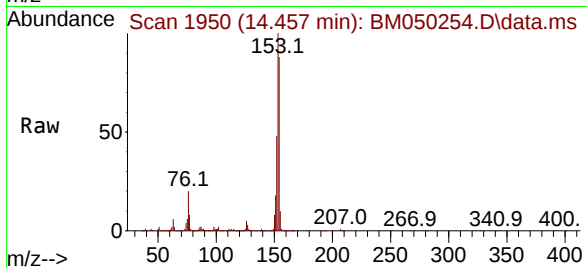
Tgt Ion:154 Resp: 801278

Ion Ratio Lower Upper

154 100

153 113.3 88.7 133.1

152 54.7 42.6 63.8



#55

Dibenzofuran

Concen: 2.466 ng

RT: 14.792 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

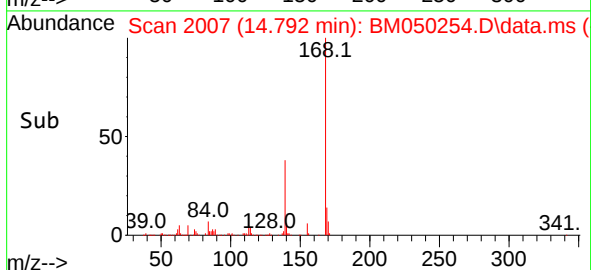
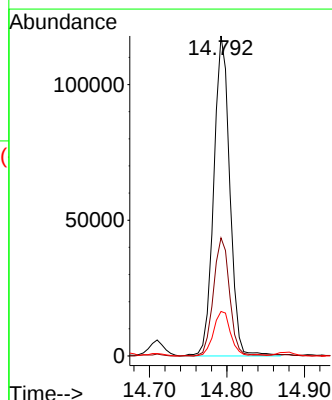
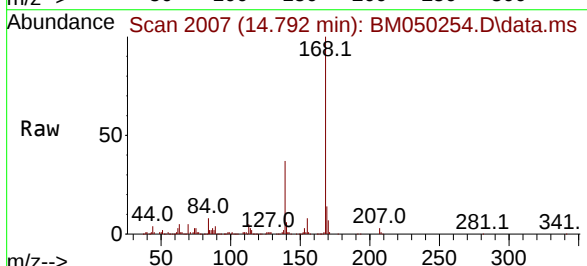
Tgt Ion:168 Resp: 169828

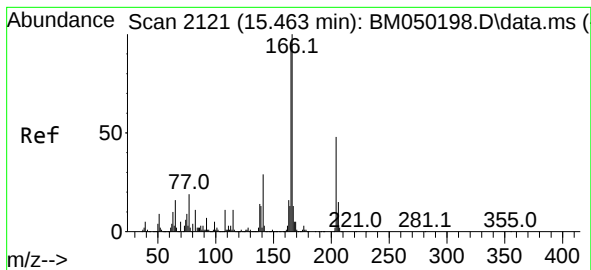
Ion Ratio Lower Upper

168 100

139 36.9 29.9 44.9

169 13.9 10.6 16.0





#58

Fluorene

Concen: 7.900 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA_M

ClientSampleId :

WC-A2-05-C

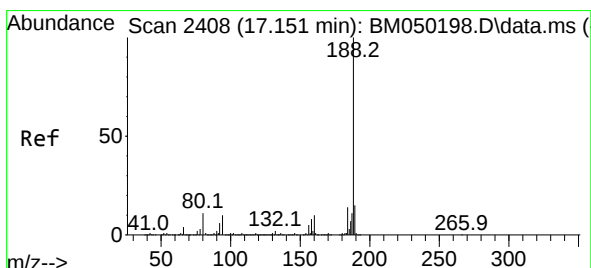
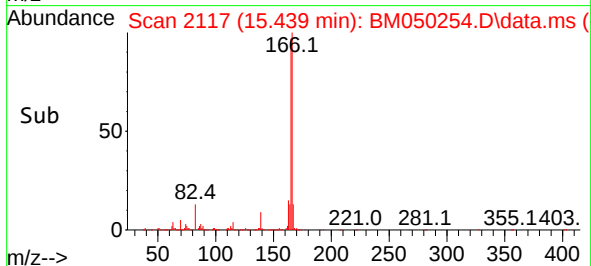
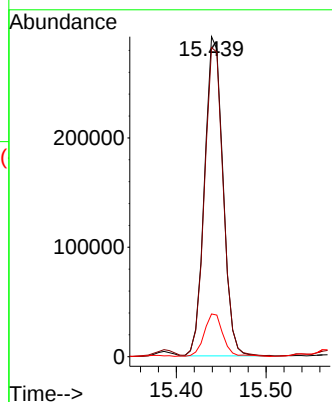
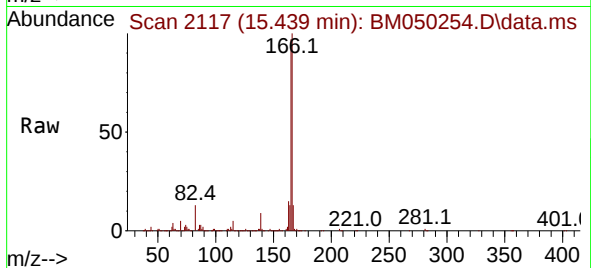
Tgt Ion:166 Resp: 416718

Ion Ratio Lower Upper

166 100

165 96.6 77.0 115.4

167 13.3 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: BM050254.D

Acq: 09 Jun 2025 22:56

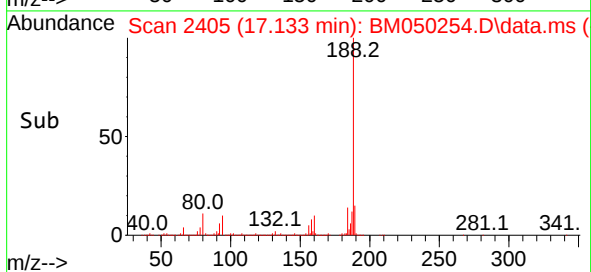
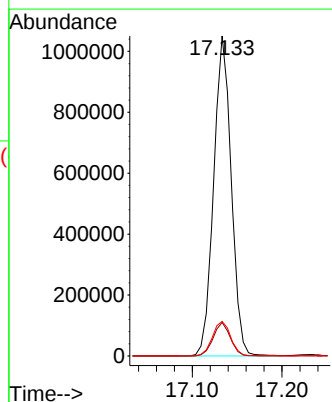
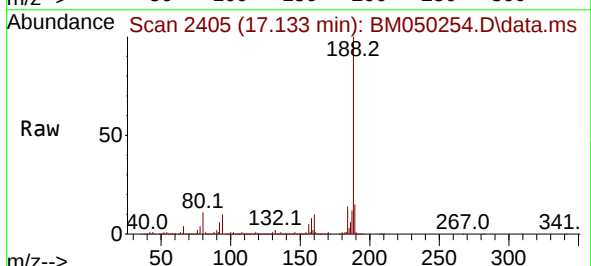
Tgt Ion:188 Resp: 1429372

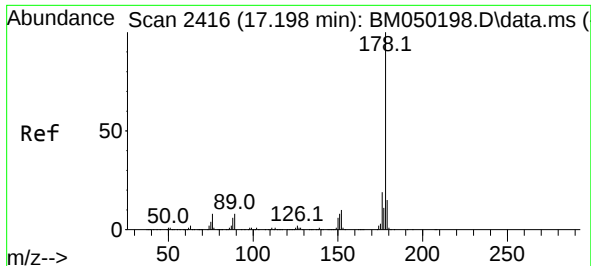
Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

80 10.8 8.6 13.0

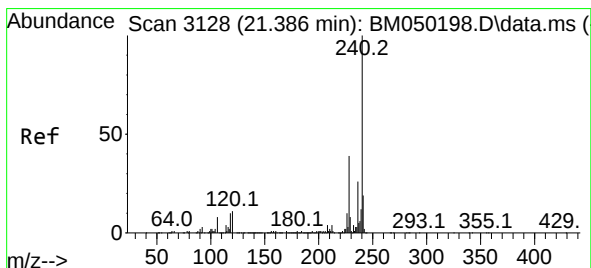
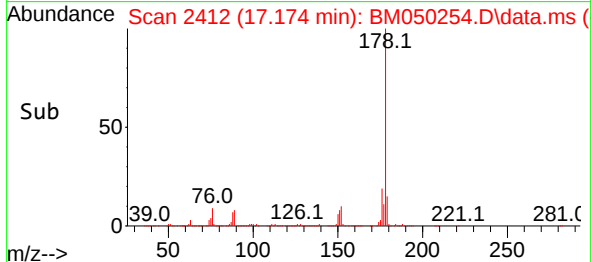
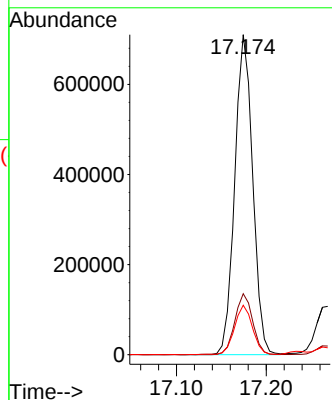
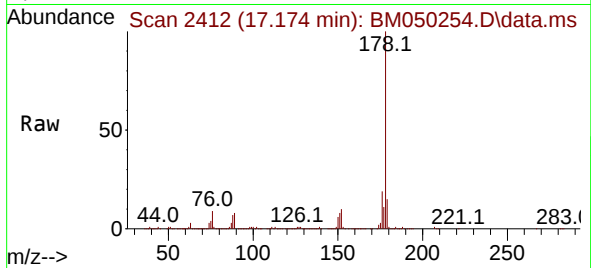




#71
Phenanthrene
Concen: 12.072 ng
RT: 17.174 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

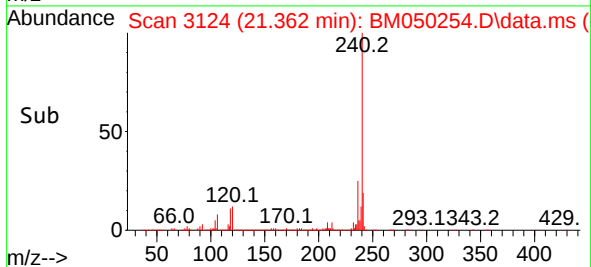
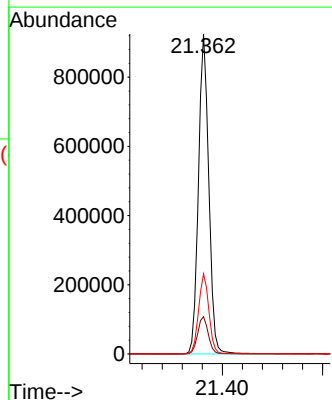
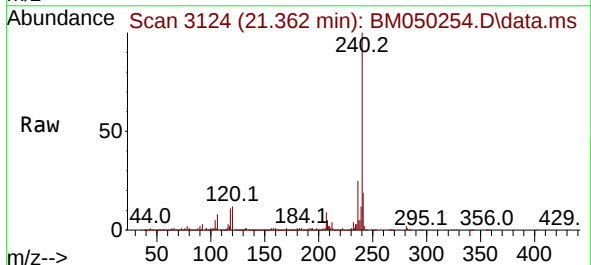
Instrument :
BNA_M
ClientSampleId :
WC-A2-05-C

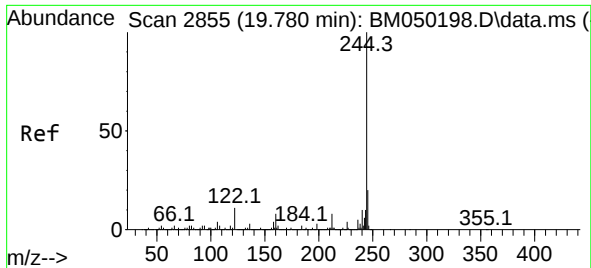
Tgt Ion:178 Resp: 985702
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.4 12.3 18.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM050254.D
Acq: 09 Jun 2025 22:56

Tgt Ion:240 Resp: 1316639
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.4
236 25.0 20.7 31.1

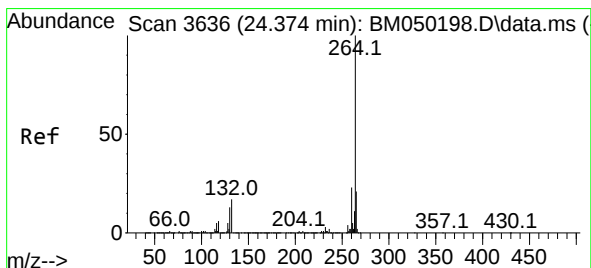
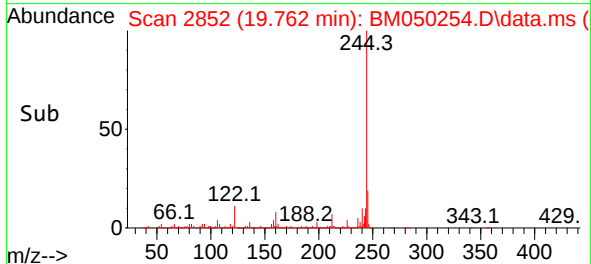
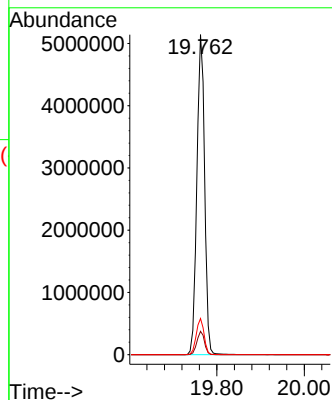
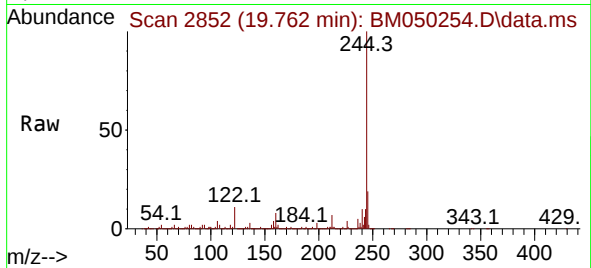




#79
 Terphenyl-d14
 Concen: 91.342 ng
 RT: 19.762 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050254.D
 Acq: 09 Jun 2025 22:56

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-05-C

Tgt Ion:244 Resp: 6346327
 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: 24.339 min Scan# 3630
 Delta R.T. -0.006 min
 Lab File: BM050254.D
 Acq: 09 Jun 2025 22:56

Tgt Ion:264 Resp: 1352313
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.5 16.8 25.2

