

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050253.D
 Acq On : 09 Jun 2025 22:17
 Operator : RC/JU
 Sample : Q2236-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A4-05A-C

Quant Time: Jun 10 01:28:07 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)

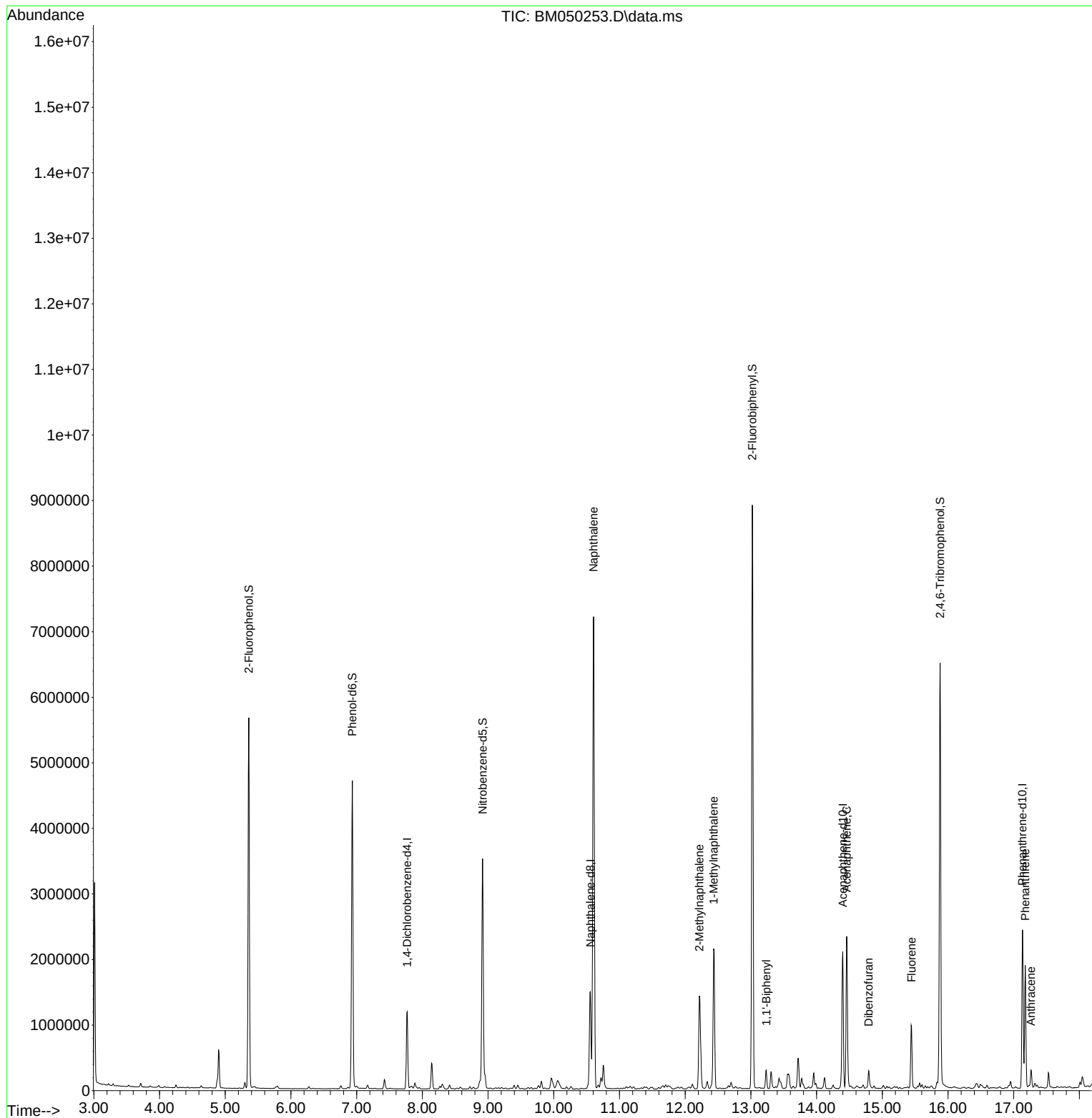
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	339236	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1291741	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	734983	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1365218	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1409427	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1492062	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2623964	129.029	ng	0.00
7) Phenol-d6	6.934	99	2974342	111.105	ng	0.00
23) Nitrobenzene-d5	8.916	82	2238948	90.145	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1255343	150.162	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	4616642	85.039	ng	0.00
79) Terphenyl-d14	19.763	244	6326070	85.056	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.604	128	6271348	93.902	ng	100
37) 2-Methylnaphthalene	12.216	142	655891	16.279	ng	100
38) 1-Methylnaphthalene	12.434	142	1041234	24.349	ng	100
46) 1,1'-Biphenyl	13.234	154	145035	2.635	ng	99
52) Acenaphthene	14.457	154	812188	18.764	ng	98
55) Dibenzofuran	14.792	168	145848	2.303	ng	99
58) Fluorene	15.445	166	430582	8.877	ng	99
71) Phenanthrene	17.174	178	1073820	13.769	ng	99
72) Anthracene	17.263	178	166472	2.134	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050253.D
Acq On : 09 Jun 2025 22:17
Operator : RC/JU
Sample : Q2236-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

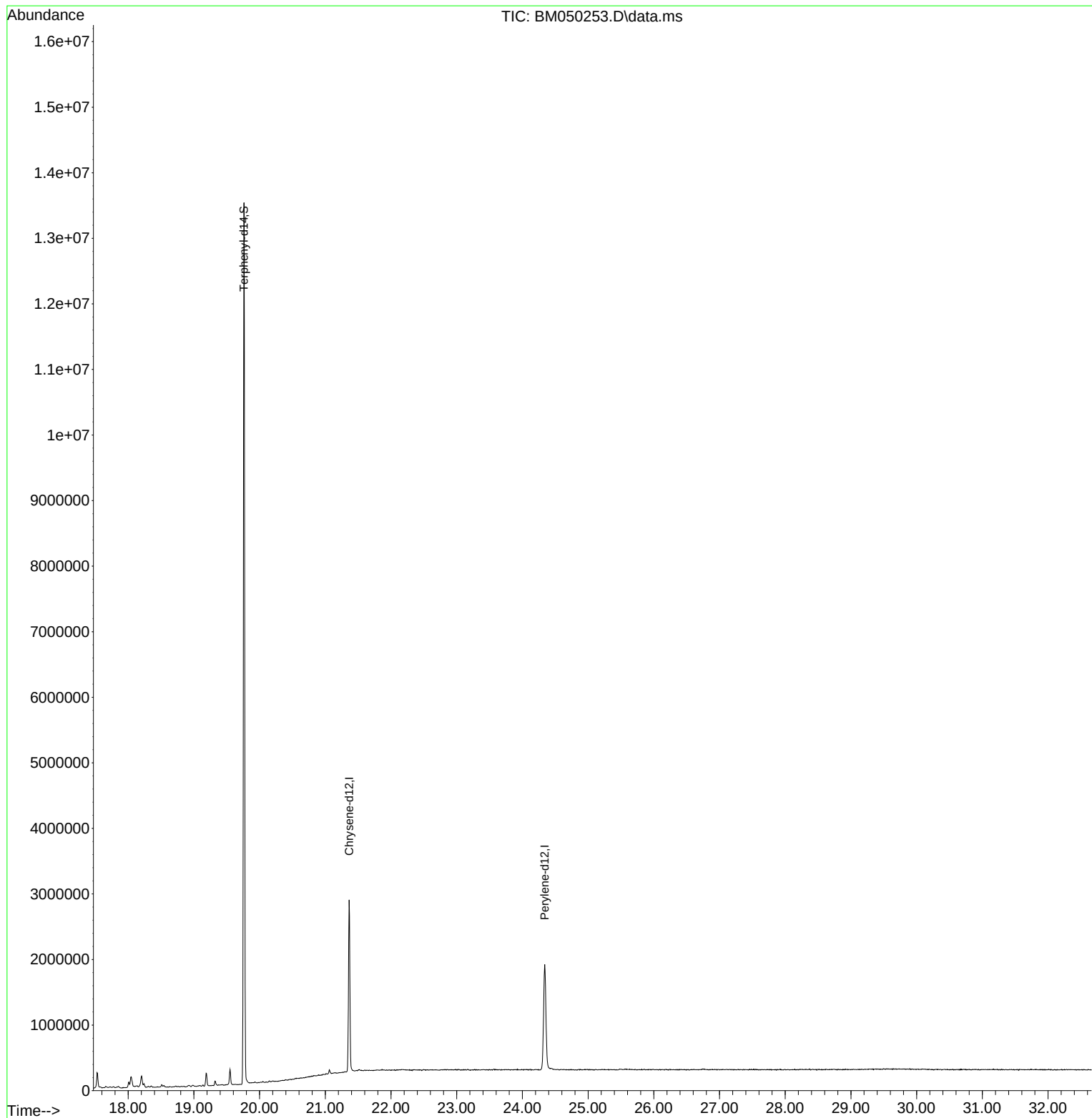
Quant Time: Jun 10 01:28:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

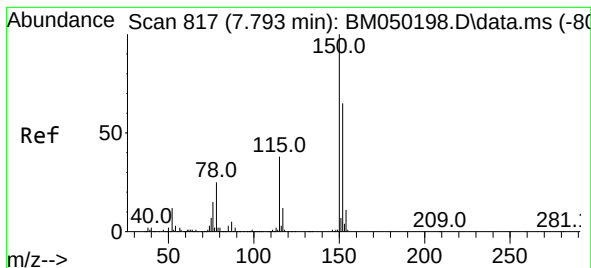


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050253.D
Acq On : 09 Jun 2025 22:17
Operator : RC/JU
Sample : Q2236-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

Quant Time: Jun 10 01:28:07 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

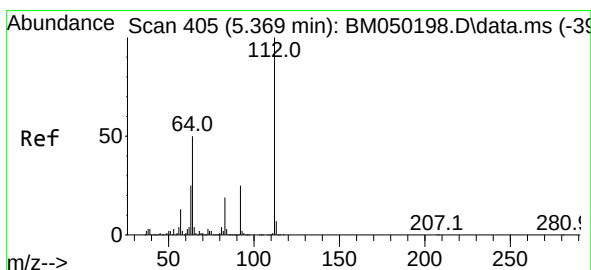
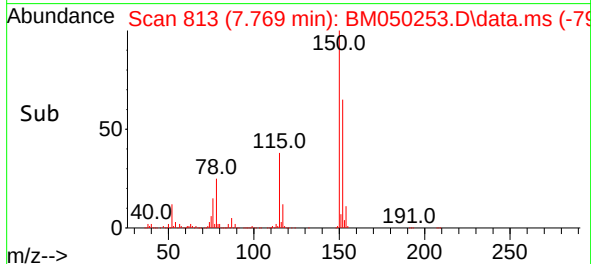
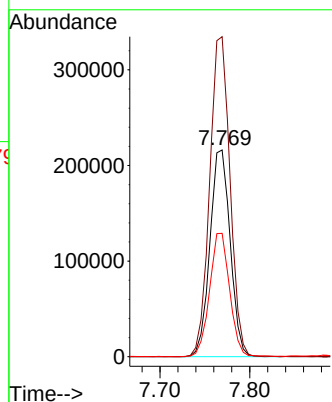
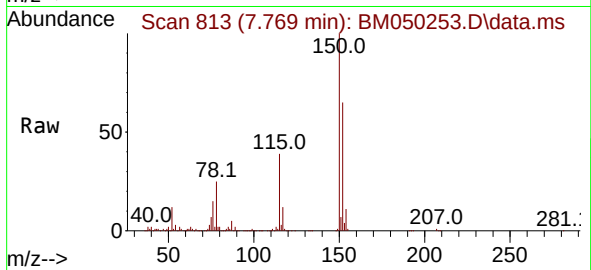




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 817
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

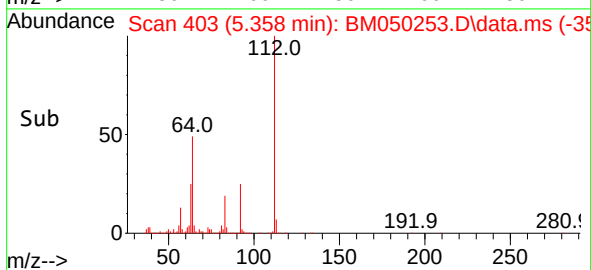
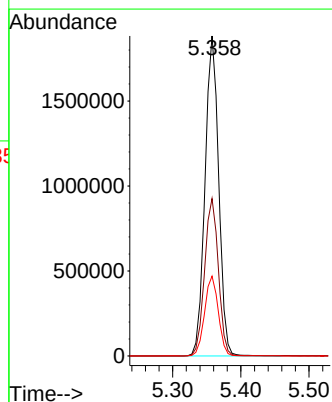
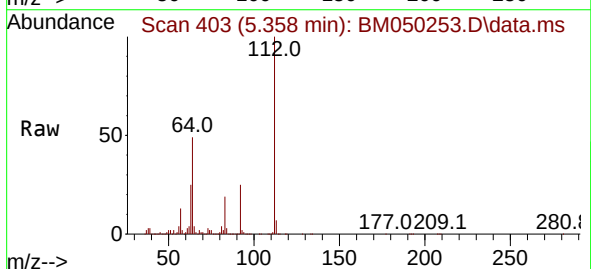
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

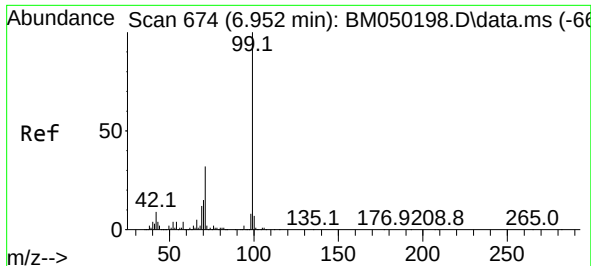
Tgt Ion:152 Resp: 339236
Ion Ratio Lower Upper
152 100
150 154.8 122.2 183.4
115 59.7 46.3 69.5



#5
2-Fluorophenol
Concen: 129.029 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion:112 Resp: 2623964
Ion Ratio Lower Upper
112 100
64 49.2 39.8 59.6
63 24.9 19.8 29.8

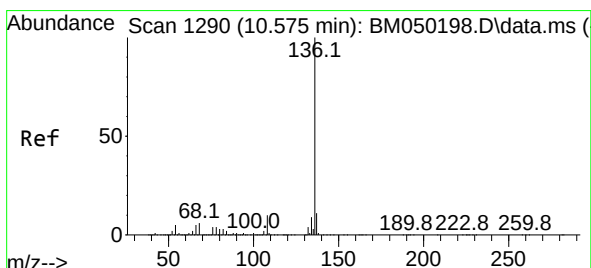
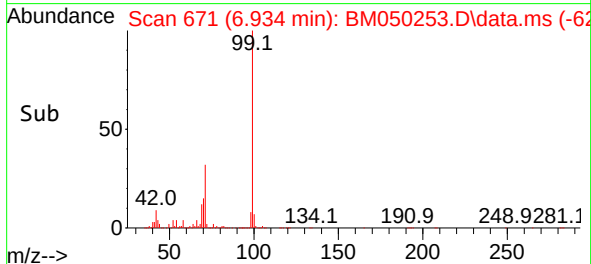
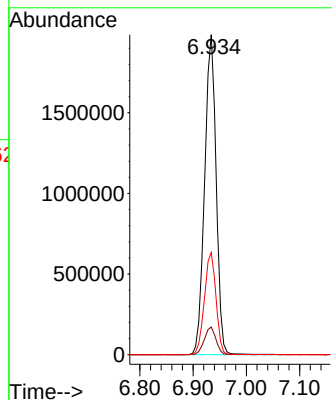
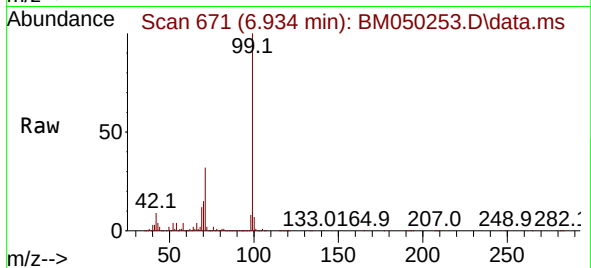




#7
Phenol-d6
Concen: 111.105 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

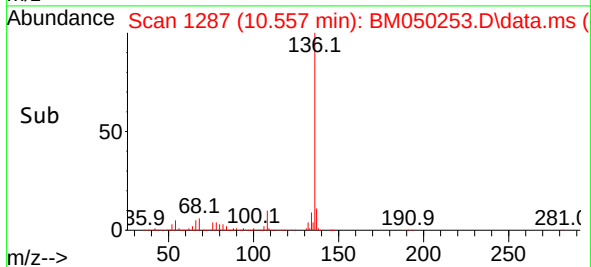
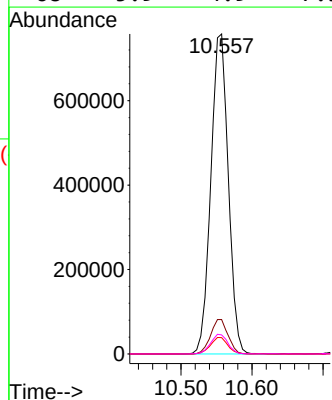
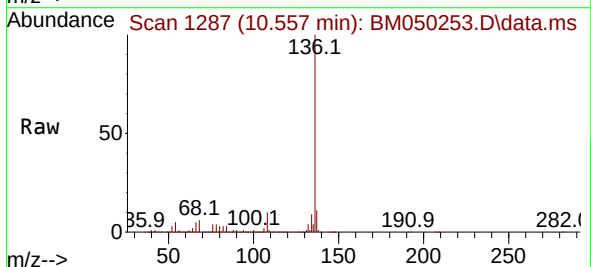
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

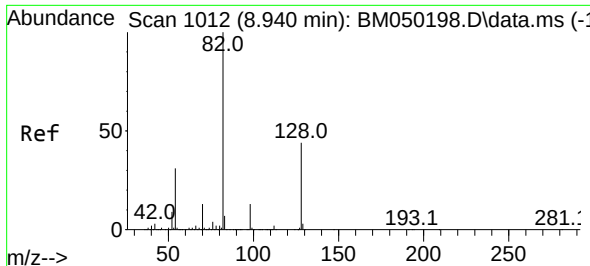
Tgt Ion: 99 Resp: 2974342
Ion Ratio Lower Upper
99 100
42 8.7 6.9 10.3
71 31.9 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion: 136 Resp: 1291741
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.1 3.8 5.8
68 5.9 4.9 7.3

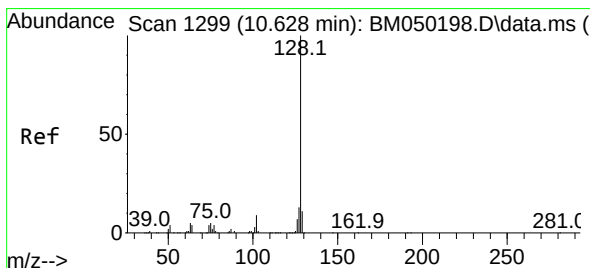
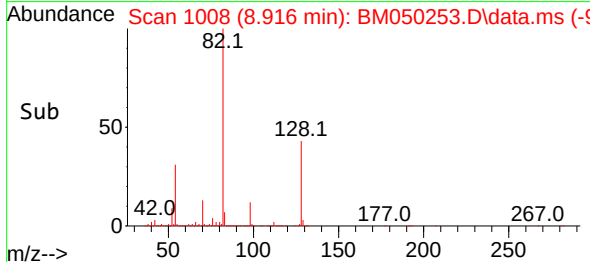
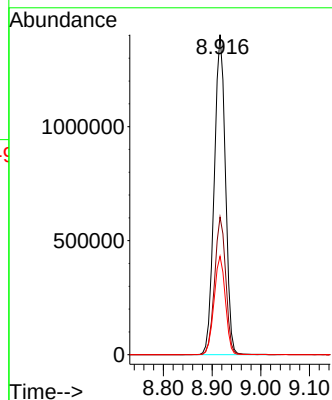
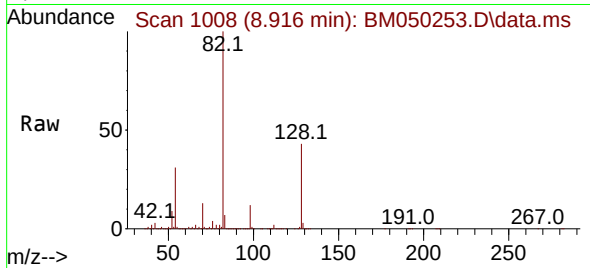




#23
 Nitrobenzene-d5
 Concen: 90.145 ng
 RT: 8.916 min Scan# 1008
 Delta R.T. 0.000 min
 Lab File: BM050253.D
 Acq: 09 Jun 2025 22:17

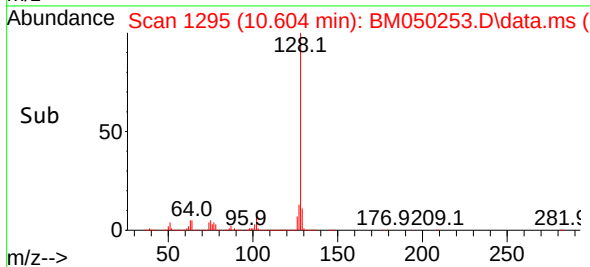
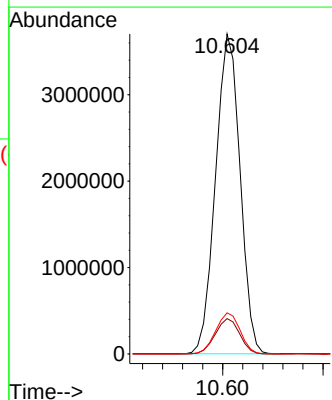
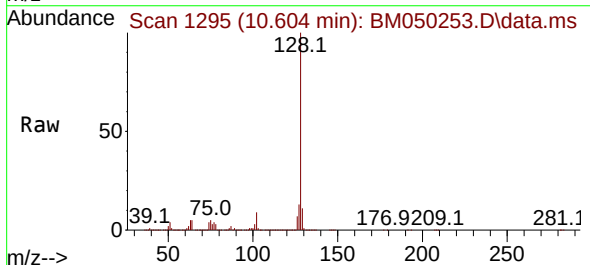
Instrument :
 BNA_M
 ClientSampleId :
 WC-A4-05A-C

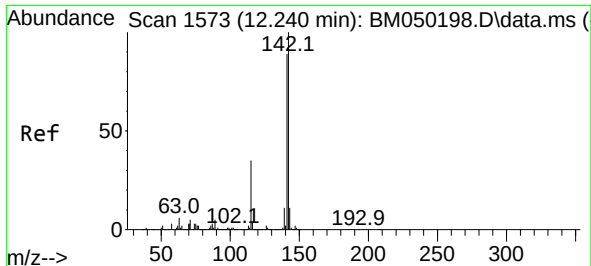
Tgt Ion: 82 Resp: 2238948
 Ion Ratio Lower Upper
 82 100
 128 43.0 35.2 52.8
 54 30.7 24.5 36.7



#31
 Naphthalene
 Concen: 93.902 ng
 RT: 10.604 min Scan# 1295
 Delta R.T. 0.000 min
 Lab File: BM050253.D
 Acq: 09 Jun 2025 22:17

Tgt Ion:128 Resp: 6271348
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 12.8
 127 12.8 10.2 15.4

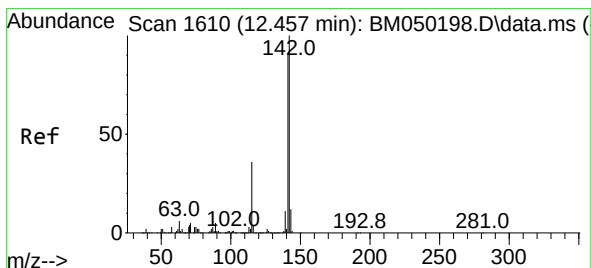
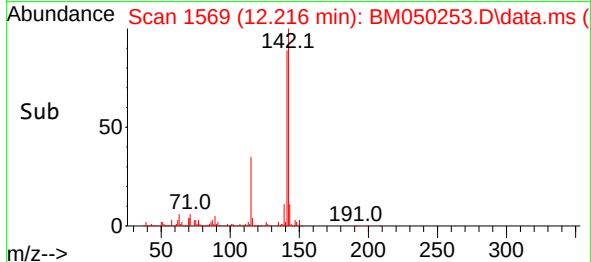
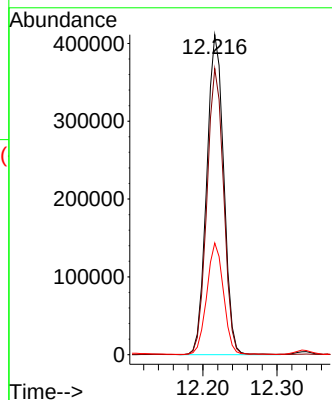
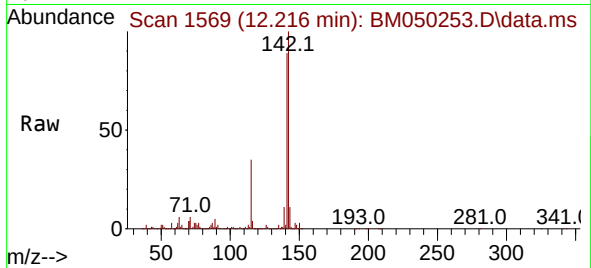




#37
2-Methylnaphthalene
Concen: 16.279 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

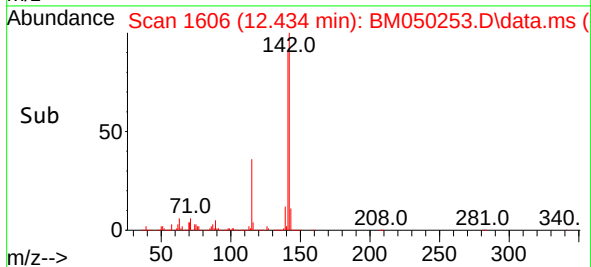
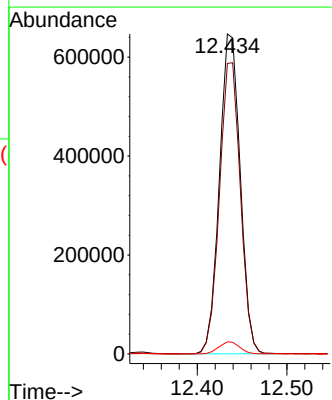
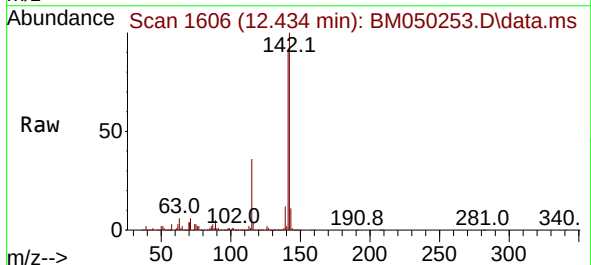
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

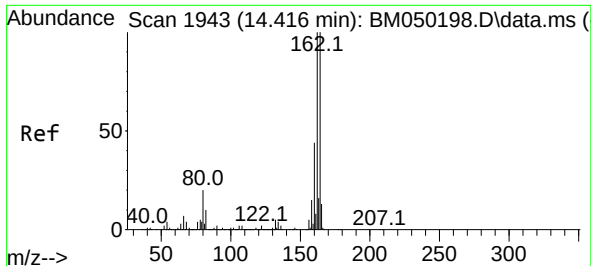
Tgt Ion:142 Resp: 655891
Ion Ratio Lower Upper
142 100
141 89.4 71.5 107.3
115 34.9 27.8 41.8



#38
1-Methylnaphthalene
Concen: 24.349 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion:142 Resp: 1041234
Ion Ratio Lower Upper
142 100
141 90.8 72.9 109.3
116 3.8 3.0 4.6

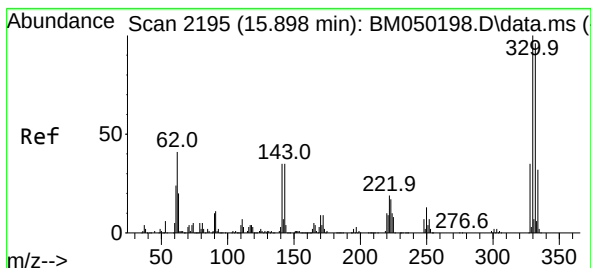
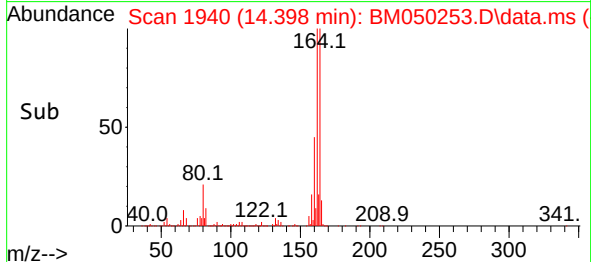
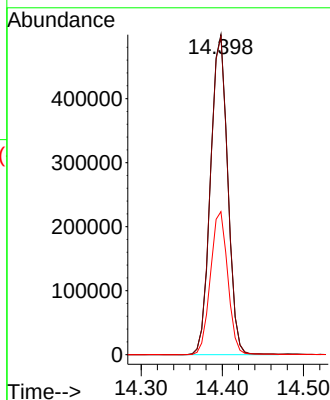
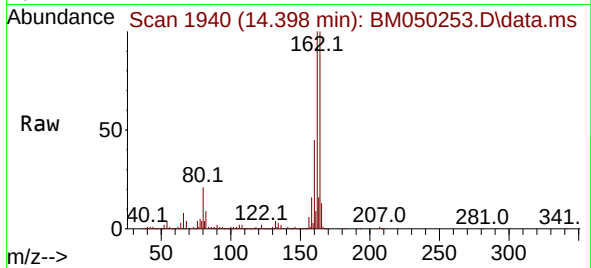




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

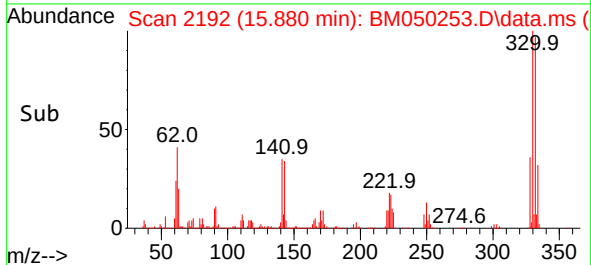
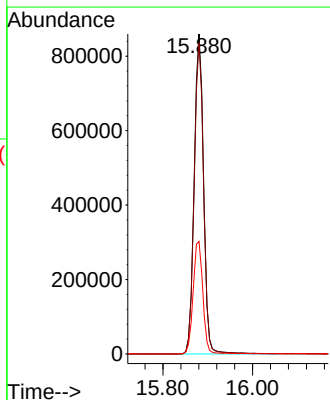
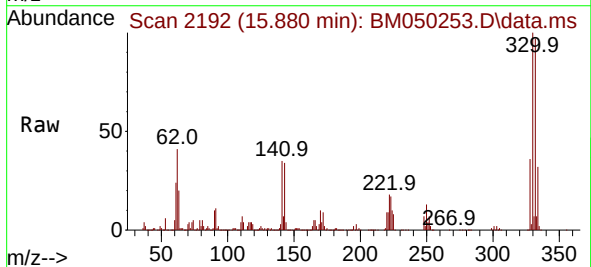
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

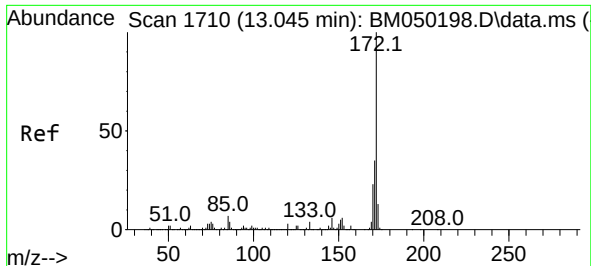
Tgt Ion:164 Resp: 734983
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.4
160 44.7 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 150.162 ng
RT: 15.880 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion:330 Resp: 1255343
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 36.4 28.8 43.2

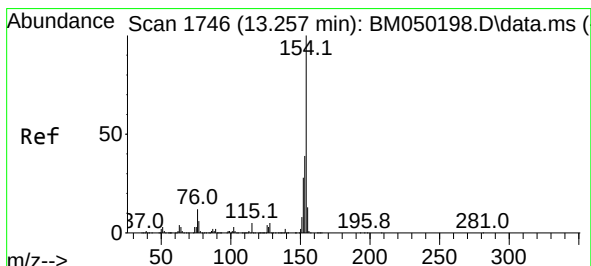
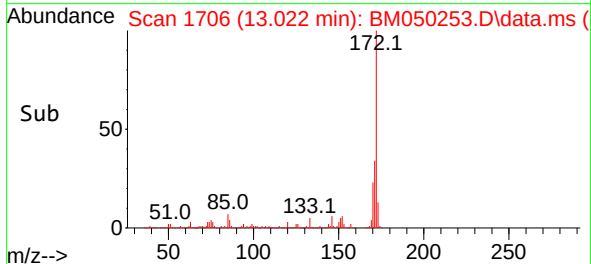
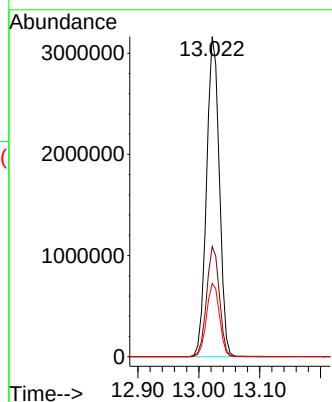
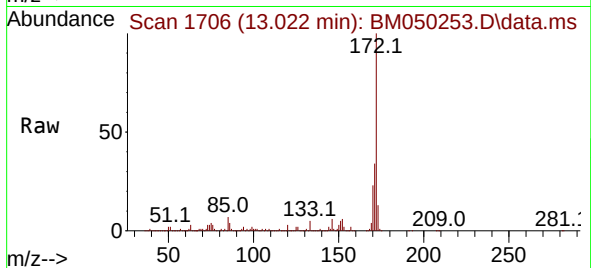




#45
2-Fluorobiphenyl
Concen: 85.039 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

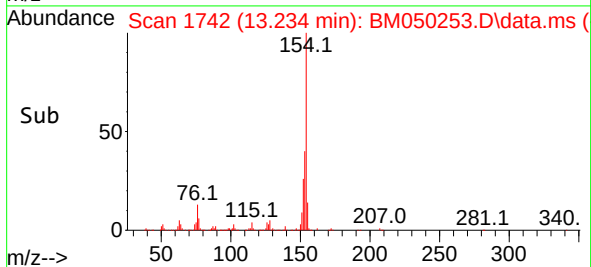
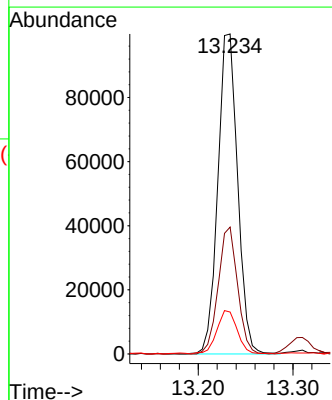
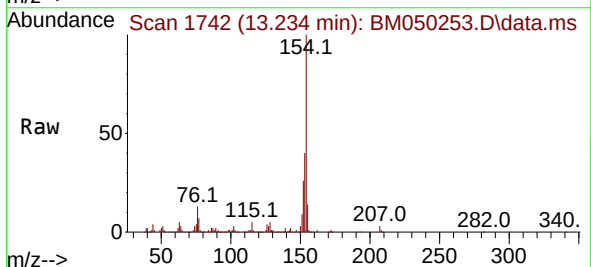
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

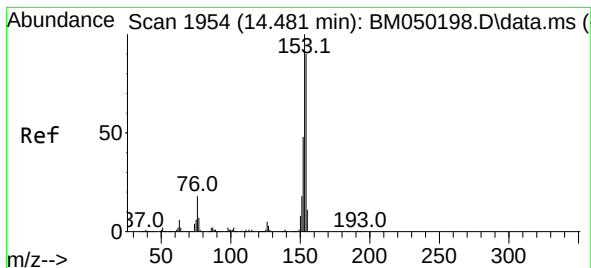
Tgt Ion:172 Resp: 4616642
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.8 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.635 ng
RT: 13.234 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion:154 Resp: 145035
Ion Ratio Lower Upper
154 100
153 39.7 19.2 59.2
76 13.1 0.0 32.0





#52

Acenaphthene

Concen: 18.764 ng

RT: 14.457 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM050253.D

Acq: 09 Jun 2025 22:17

Instrument :

BNA_M

ClientSampleId :

WC-A4-05A-C

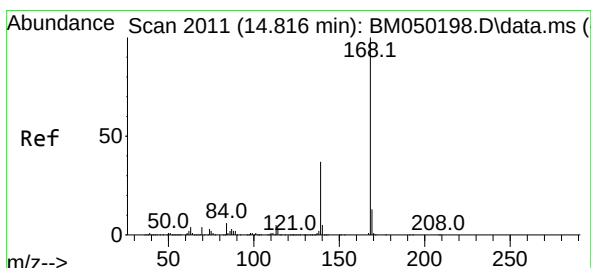
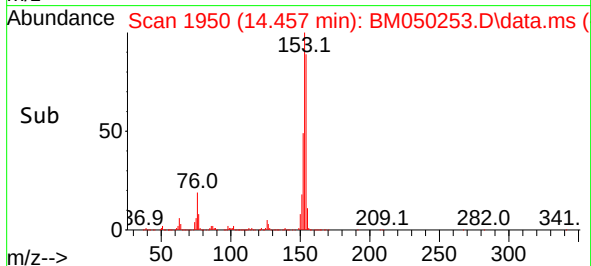
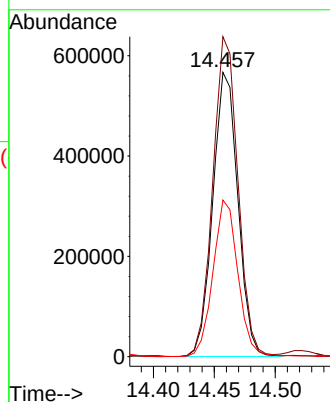
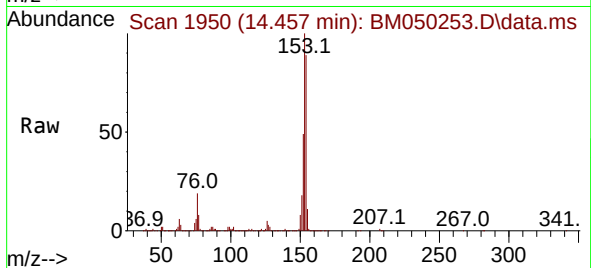
Tgt Ion:154 Resp: 812188

Ion Ratio Lower Upper

154 100

153 112.5 88.7 133.1

152 55.1 42.6 63.8



#55

Dibenzofuran

Concen: 2.303 ng

RT: 14.792 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BM050253.D

Acq: 09 Jun 2025 22:17

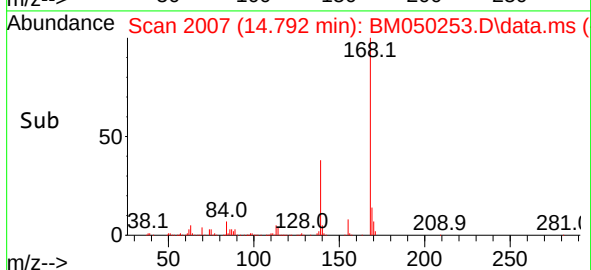
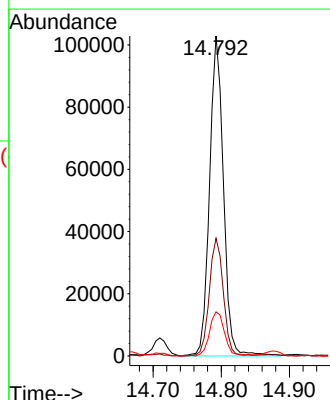
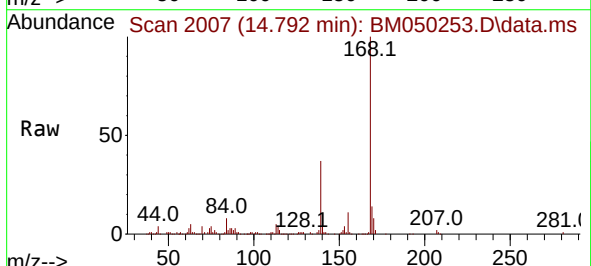
Tgt Ion:168 Resp: 145848

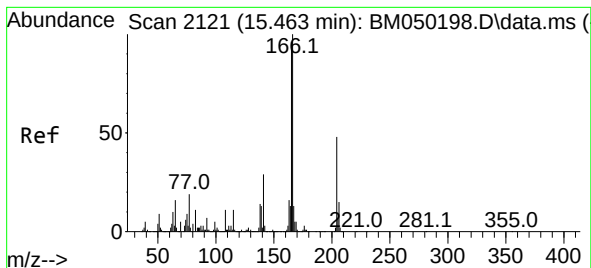
Ion Ratio Lower Upper

168 100

139 36.8 29.9 44.9

169 13.8 10.6 16.0





#58

Fluorene

Concen: 8.877 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050253.D

Acq: 09 Jun 2025 22:17

Instrument :

BNA_M

ClientSampleId :

WC-A4-05A-C

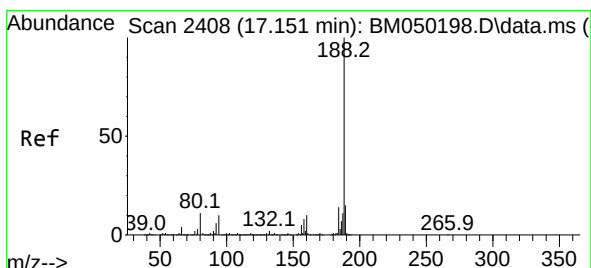
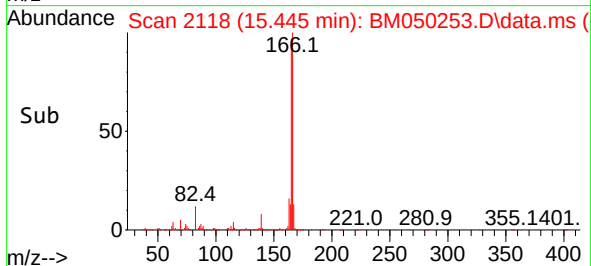
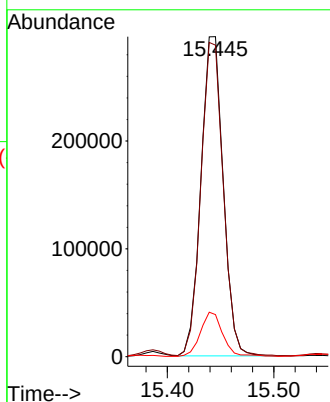
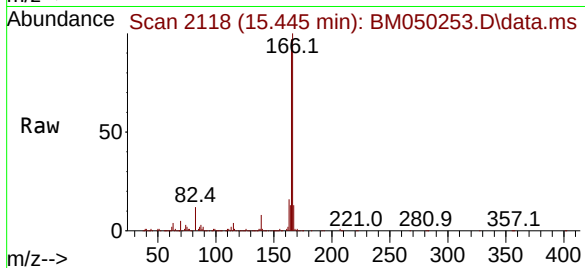
Tgt Ion:166 Resp: 430582

Ion Ratio Lower Upper

166 100

165 97.4 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: BM050253.D

Acq: 09 Jun 2025 22:17

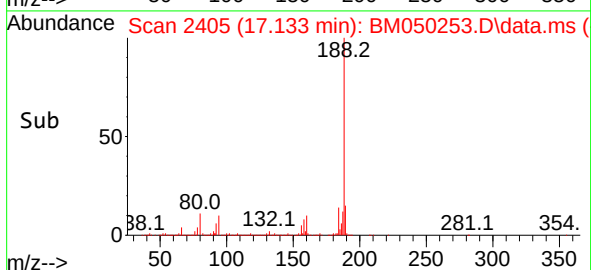
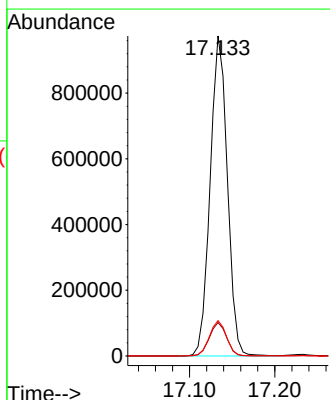
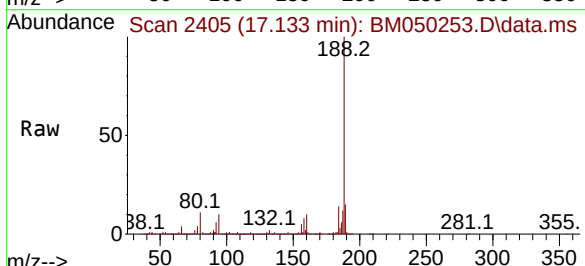
Tgt Ion:188 Resp: 1365218

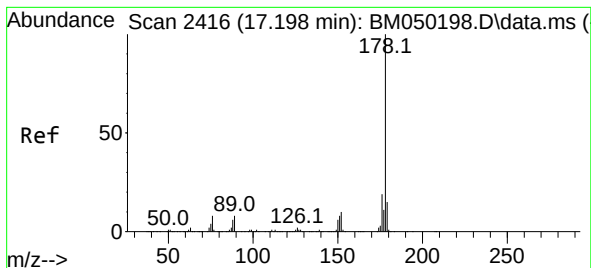
Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

80 11.1 8.6 13.0





#71

Phenanthrene

Concen: 13.769 ng

RT: 17.174 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM050253.D

Acq: 09 Jun 2025 22:17

Instrument :

BNA_M

ClientSampleId :

WC-A4-05A-C

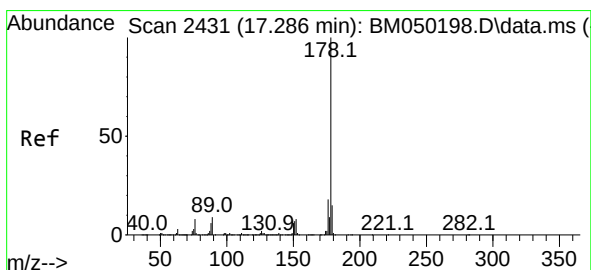
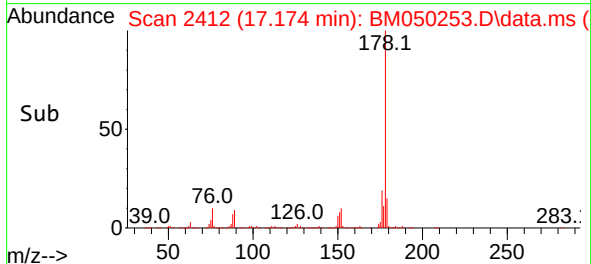
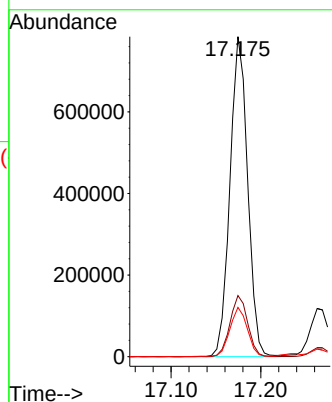
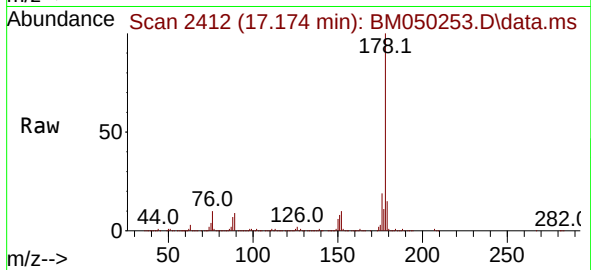
Tgt Ion:178 Resp: 1073820

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.4 12.3 18.5



#72

Anthracene

Concen: 2.134 ng

RT: 17.263 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM050253.D

Acq: 09 Jun 2025 22:17

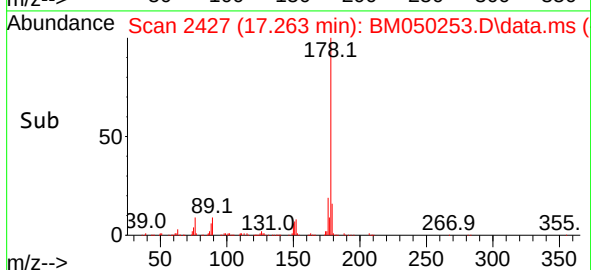
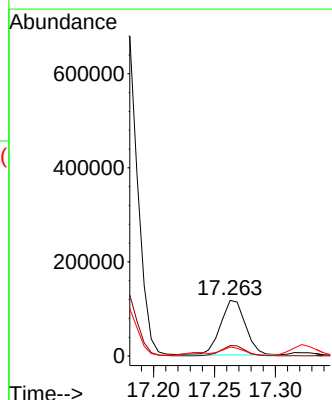
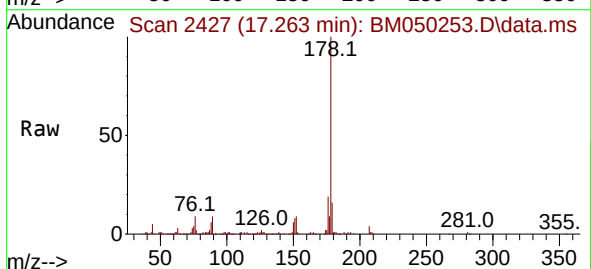
Tgt Ion:178 Resp: 166472

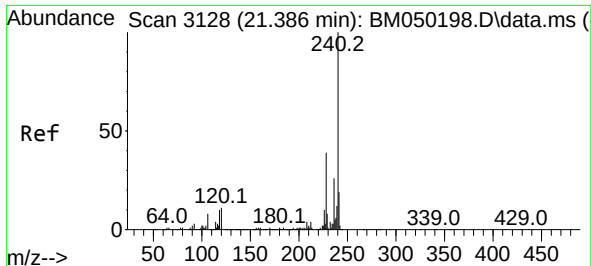
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 16.1 12.3 18.5

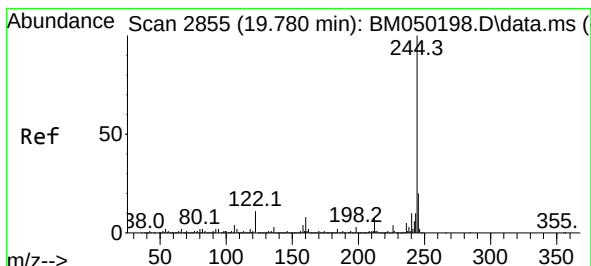
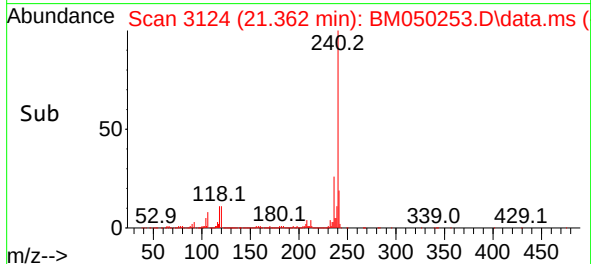
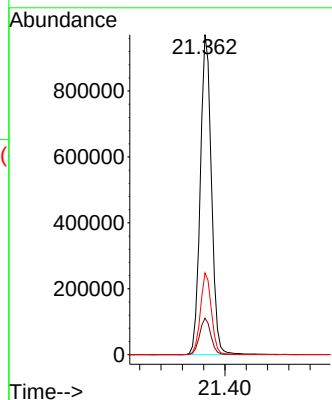
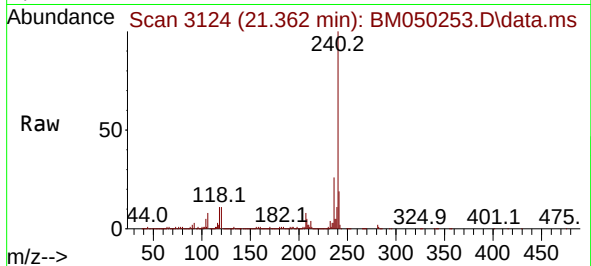




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.362 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

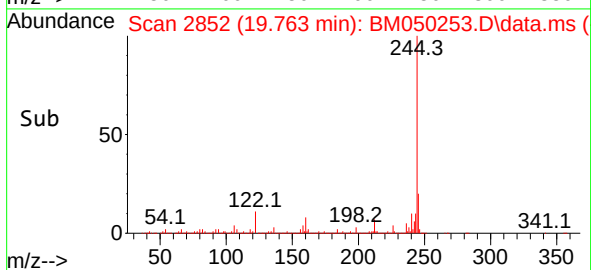
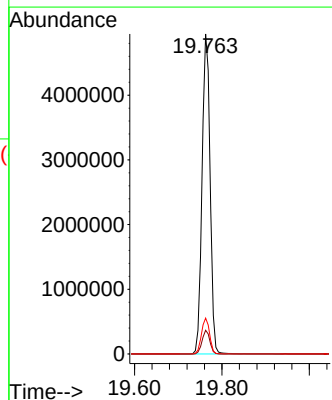
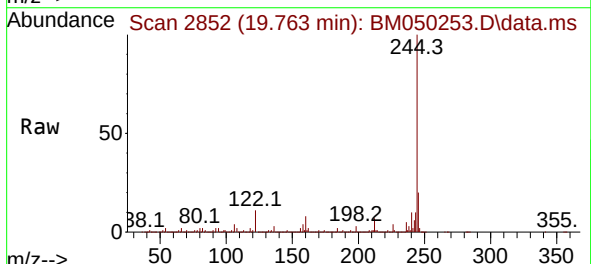
Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

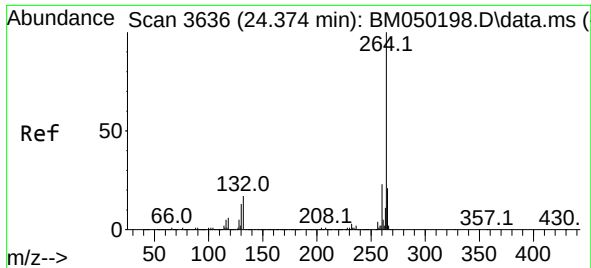
Tgt Ion:240 Resp: 1409427
Ion Ratio Lower Upper
240 100
120 11.4 9.0 13.4
236 25.6 20.7 31.1



#79
Terphenyl-d14
Concen: 85.056 ng
RT: 19.763 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BM050253.D
Acq: 09 Jun 2025 22:17

Tgt Ion:244 Resp: 6326070
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 11.2 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: BM050253.D
Acq: 09 Jun 2025 22:17

Instrument :
BNA_M
ClientSampleId :
WC-A4-05A-C

Tgt Ion:264 Resp: 1492062

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.1	16.8	25.2

