

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 :

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

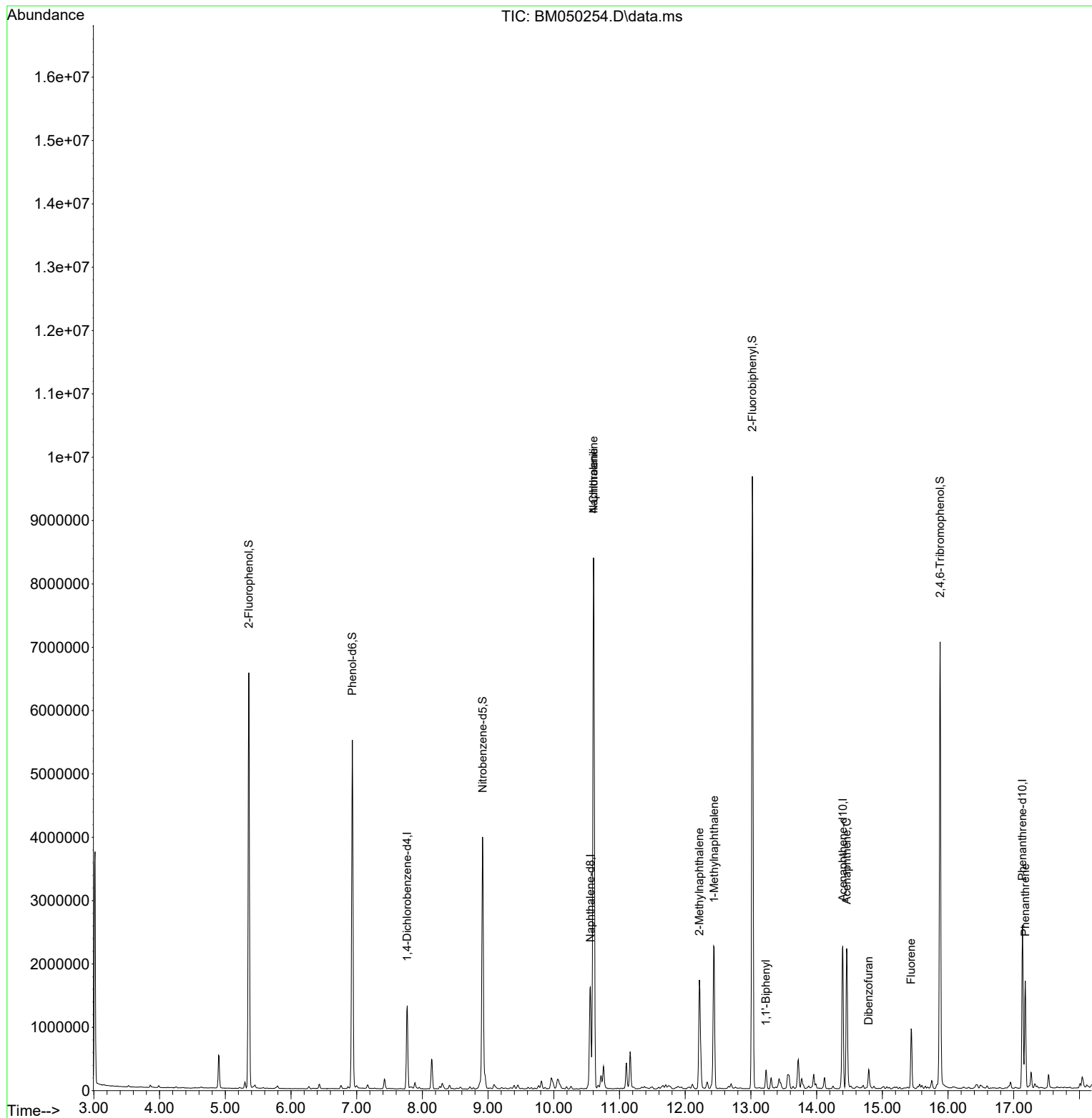
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 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      |
| 33) 4-Chloroaniline         | 10.604 | 127  | 932283   | 29.793  | ng    | # 33     |
| 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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ALS Vial : 11 Sample Multiplier: 1

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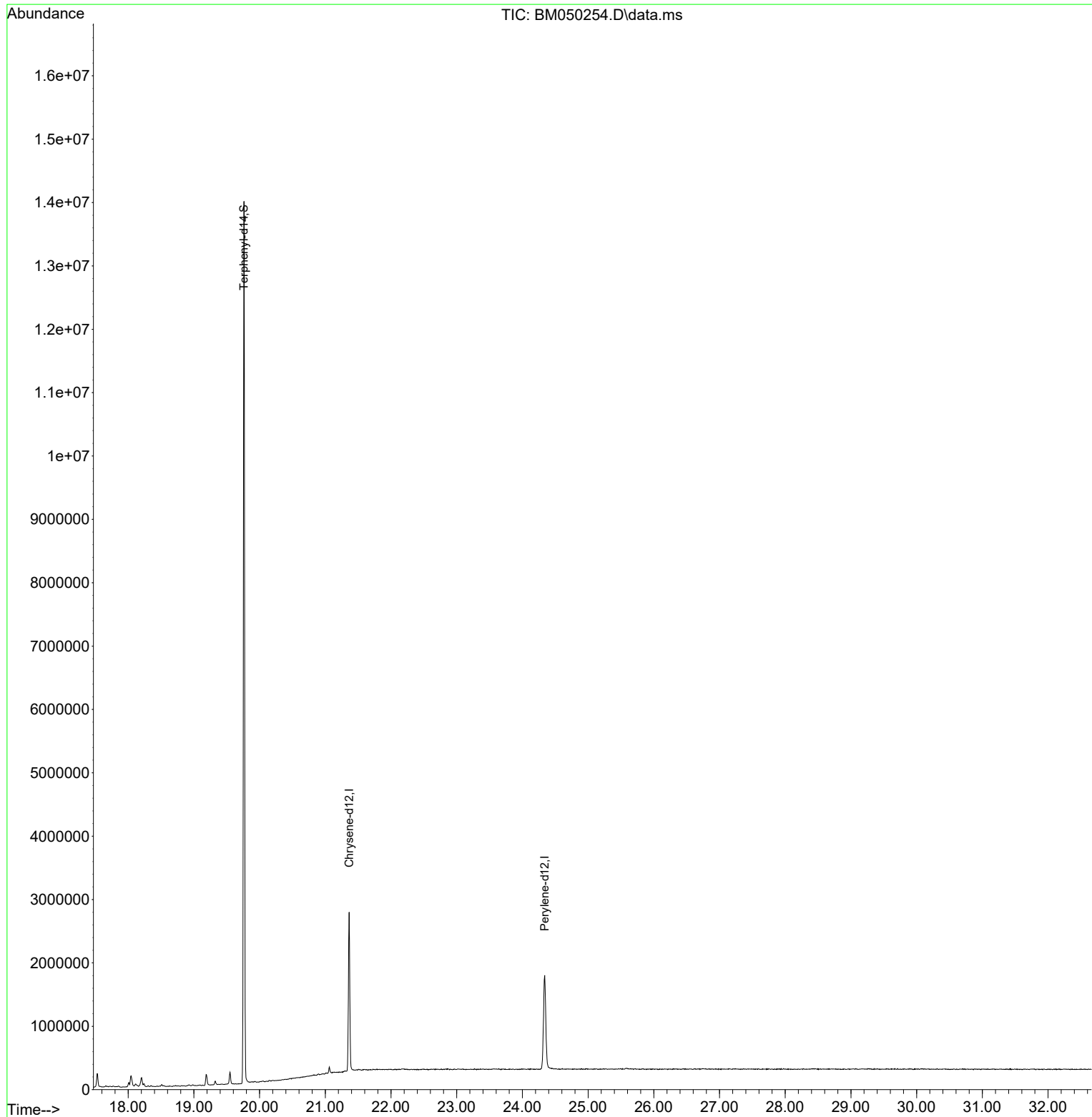
Quant Time: Jun 10 01:28:25 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 09 11:54:38 2025  
Response via : Initial Calibration

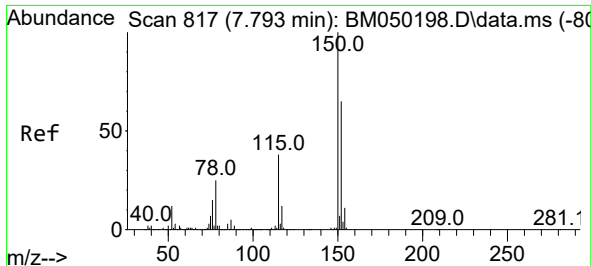


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060925\  
Data File : BM050254.D  
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Quant Time: Jun 10 01:28:25 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 09 11:54:38 2025  
Response via : Initial Calibration

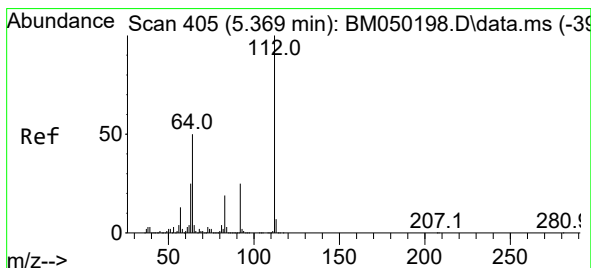
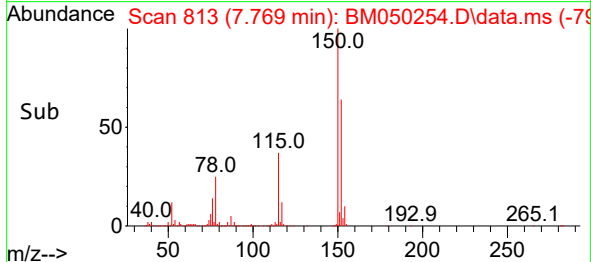
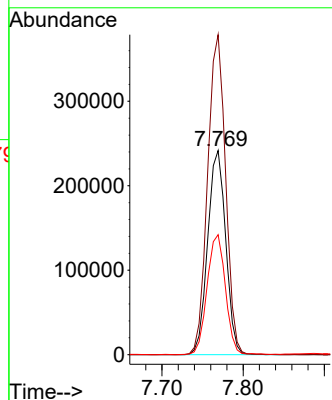
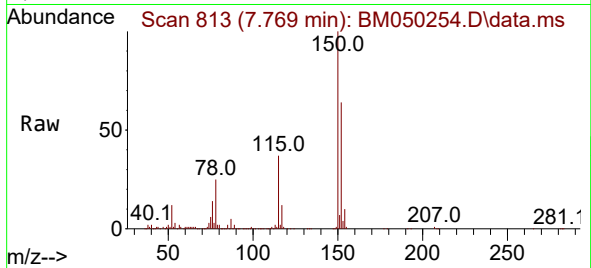




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.769 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

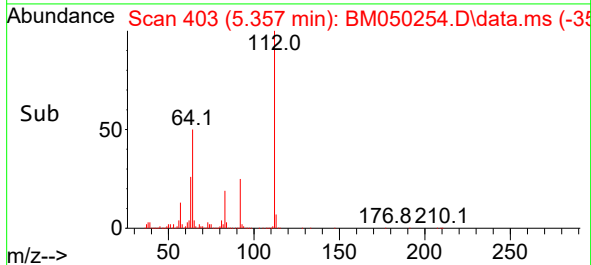
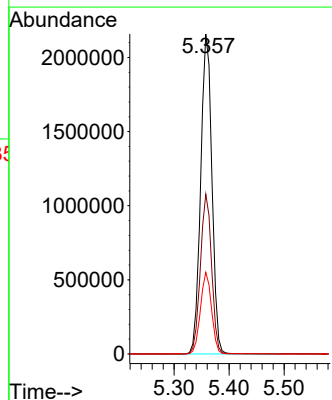
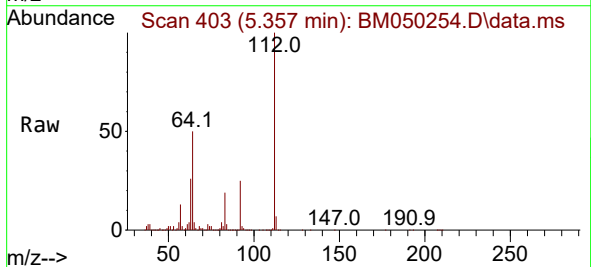
Instrument :  
BNA\_M  
ClientSampleId :

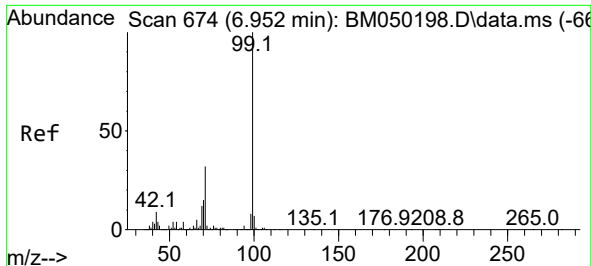
Tgt Ion:152 Resp: 372657  
Ion Ratio Lower Upper  
152 100  
150 156.7 122.2 183.4  
115 58.8 46.3 69.5



#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

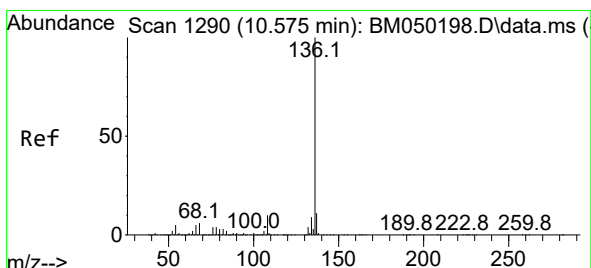
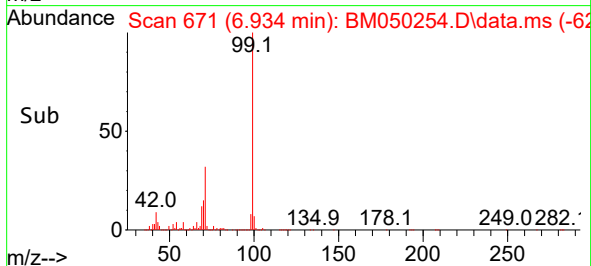
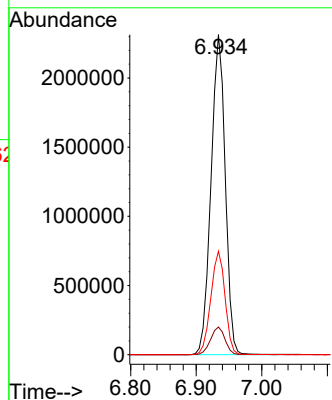
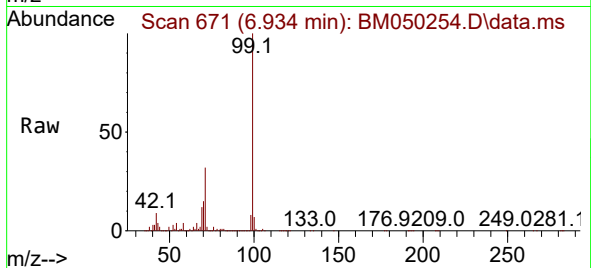




#7  
Phenol-d6  
Concen: 118.659 ng  
RT: 6.934 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

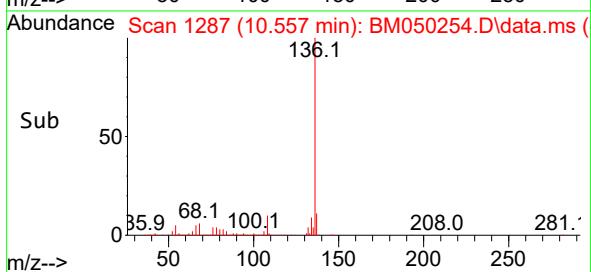
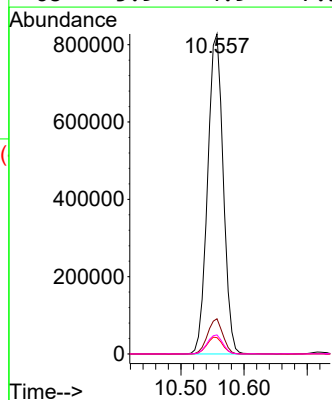
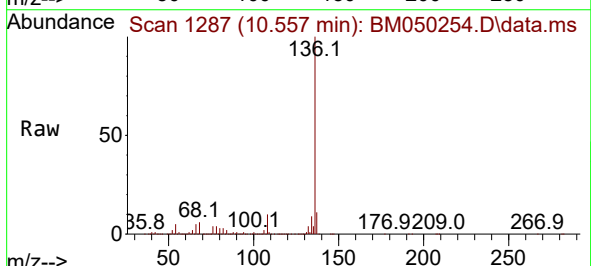
Instrument :  
BNA\_M  
ClientSampleId :

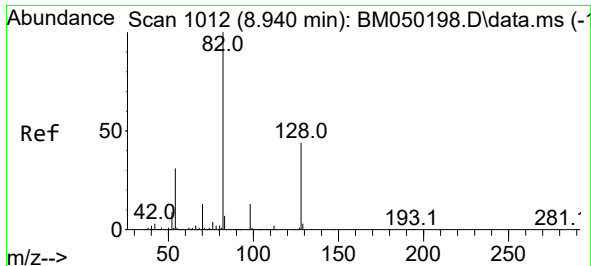
Tgt Ion: 99 Resp: 3489531  
Ion Ratio Lower Upper  
99 100  
42 8.6 6.9 10.3  
71 32.3 25.3 37.9



#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

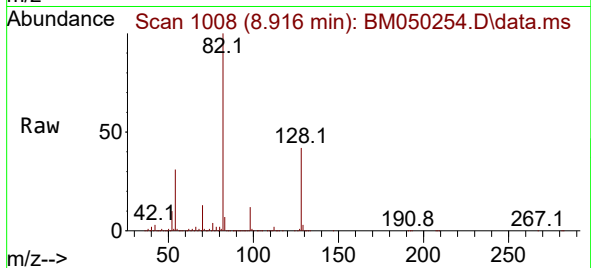
Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA\_M

ClientSampleId :



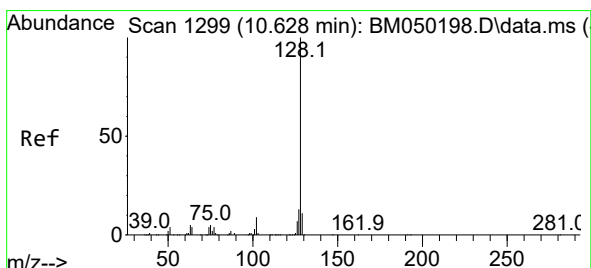
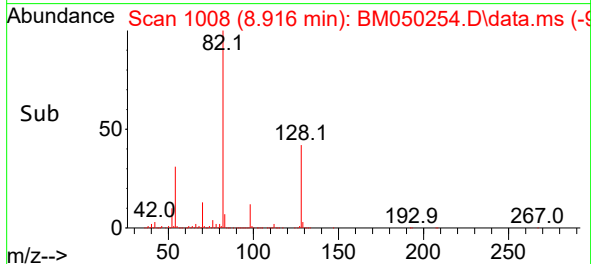
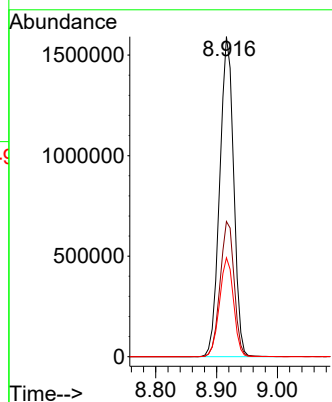
Tgt Ion: 82 Resp: 2529986

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

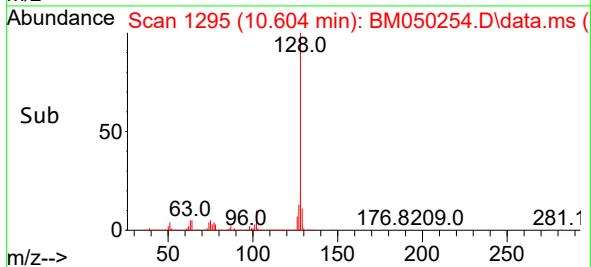
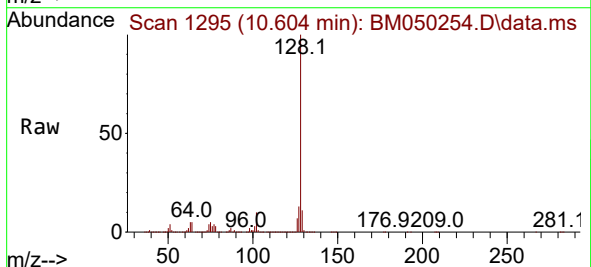
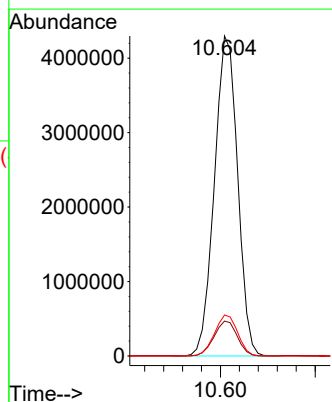
Tgt Ion: 128 Resp: 7308166

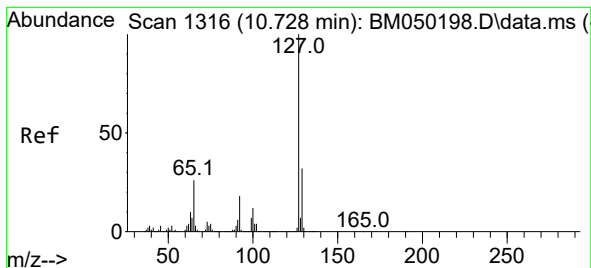
Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.8 10.2 15.4





#33

4-Chloroaniline

Concen: 29.793 ng

RT: 10.604 min Scan# 1

Delta R.T. -0.106 min

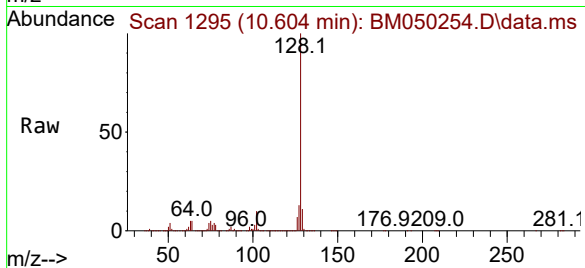
Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA\_M

ClientSampleId :



Tgt Ion:127 Resp: 932283

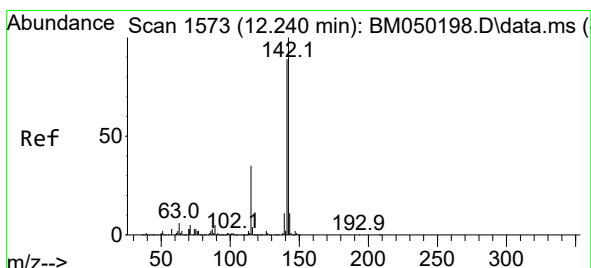
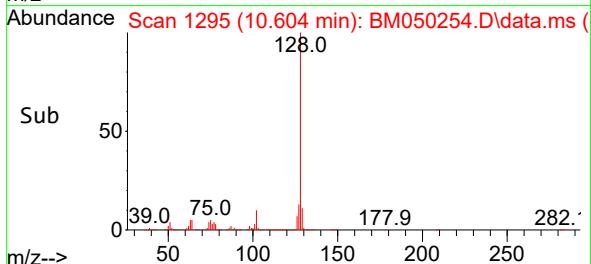
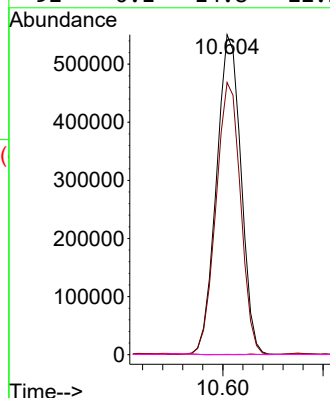
Ion Ratio Lower Upper

127 100

129 85.0 25.4 38.0#

65 0.0 21.0 31.4#

92 0.1 14.8 22.2#



#37

2-Methylnaphthalene

Concen: 17.253 ng

RT: 12.216 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

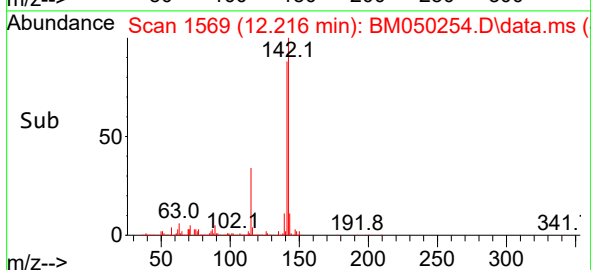
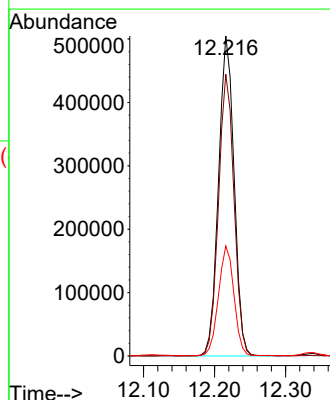
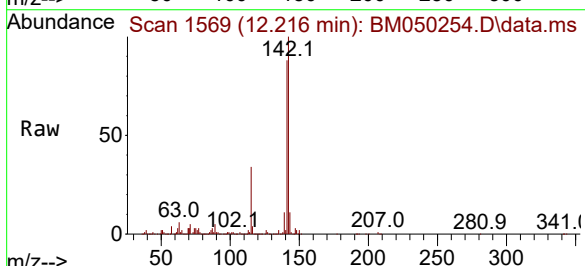
Tgt Ion:142 Resp: 763922

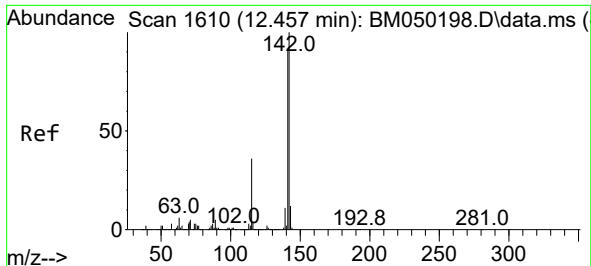
Ion Ratio Lower Upper

142 100

141 88.1 71.5 107.3

115 34.4 27.8 41.8

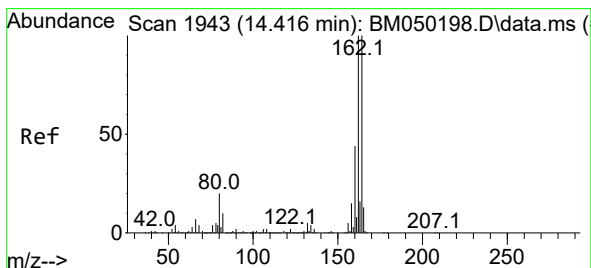
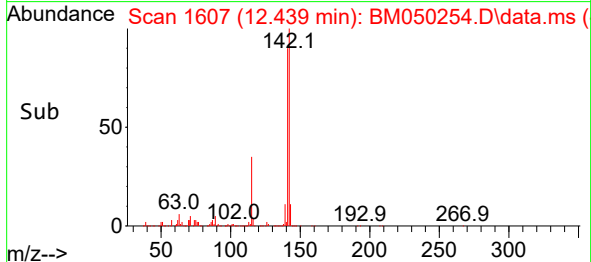
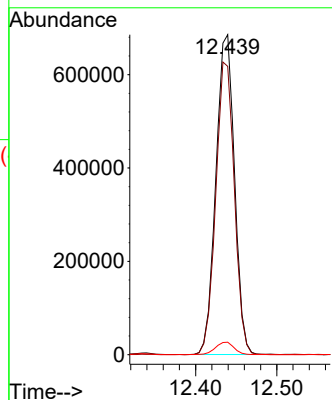
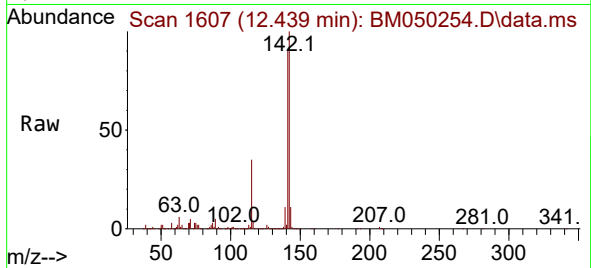




#38  
1-Methylnaphthalene  
Concen: 23.284 ng  
RT: 12.439 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

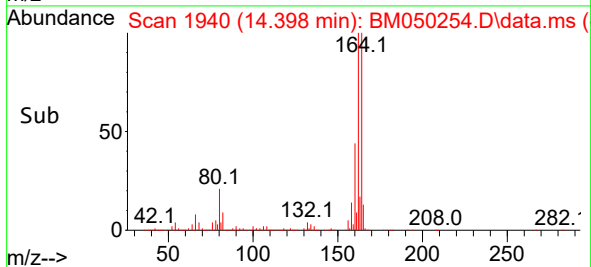
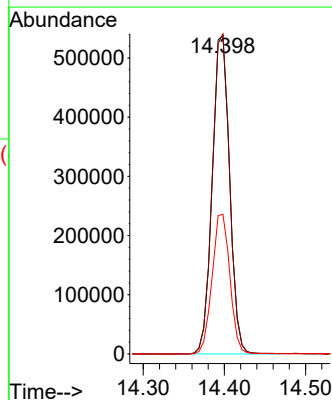
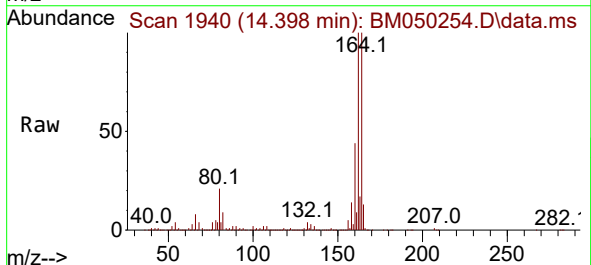
Instrument :  
BNA\_M  
ClientSampleId :

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

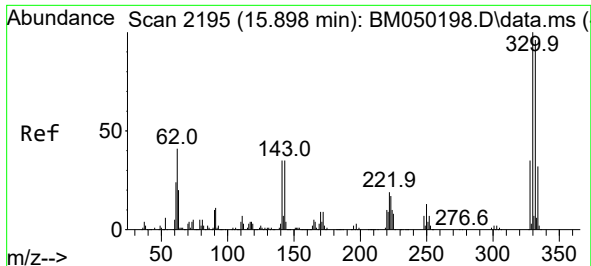


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.398 min Scan# 1940  
Delta R.T. 0.000 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

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



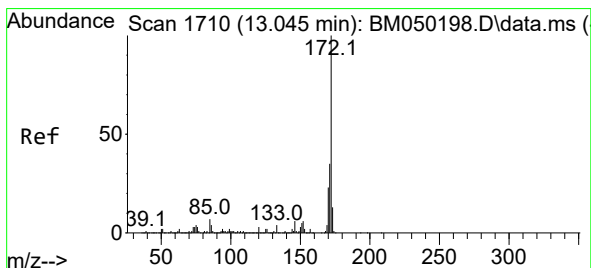
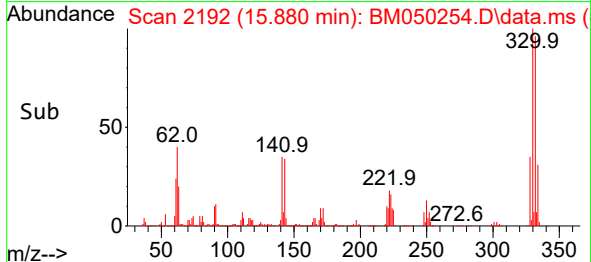
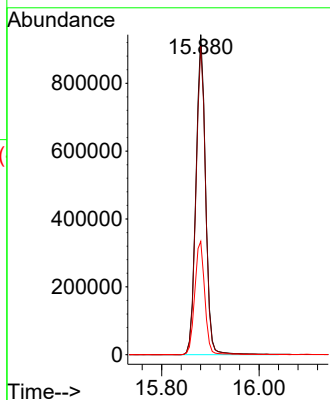
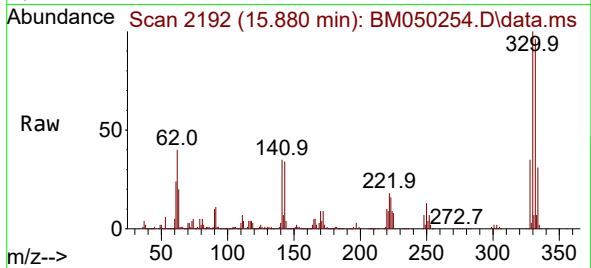




#42  
2,4,6-Tribromophenol  
Concen: 143.032 ng  
RT: 15.880 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

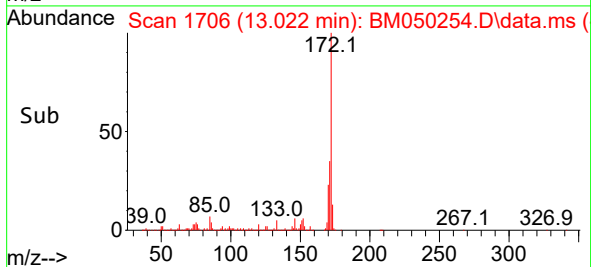
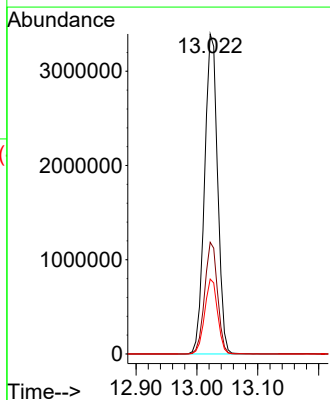
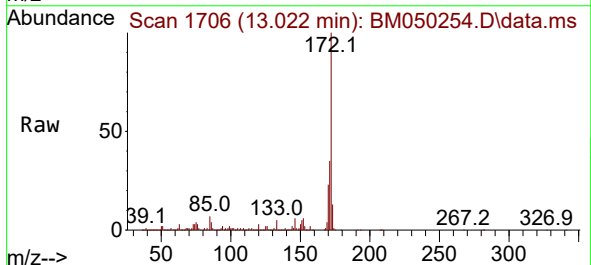
Instrument :  
BNA\_M  
ClientSampleId :

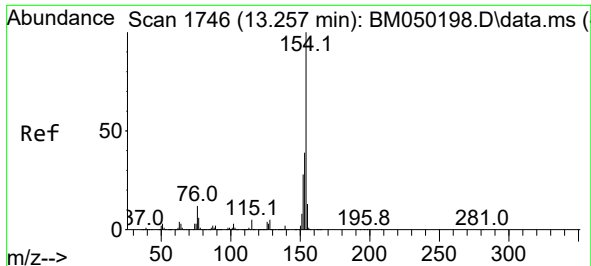
Tgt Ion:330 Resp: 1300437  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.5 116.3  
141 36.9 28.8 43.2



#45  
2-Fluorobiphenyl  
Concen: 85.649 ng  
RT: 13.022 min Scan# 1706  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

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

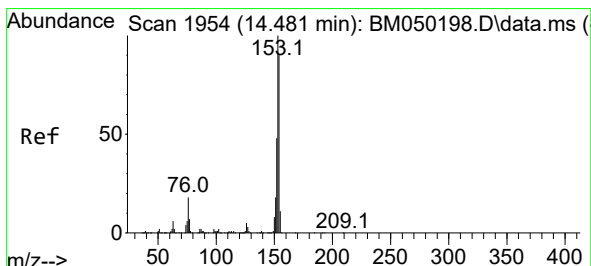
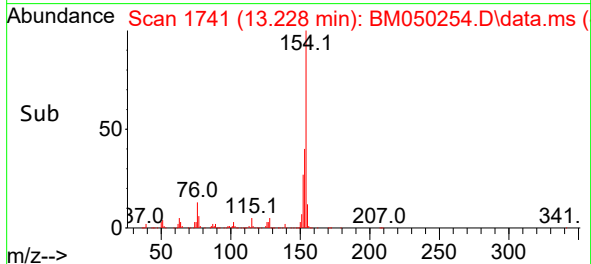
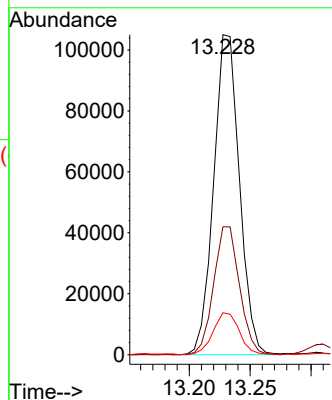
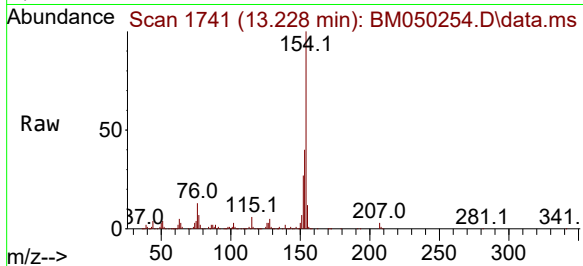




#46  
 1,1'-Biphenyl  
 Concen: 2.582 ng  
 RT: 13.228 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: BM050254.D  
 Acq: 09 Jun 2025 22:56

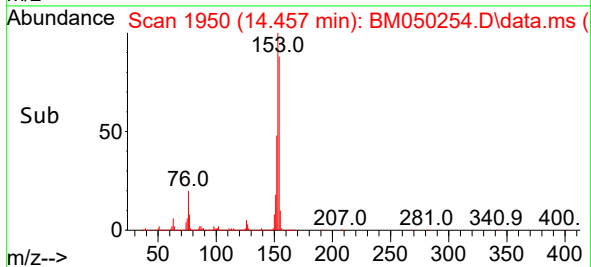
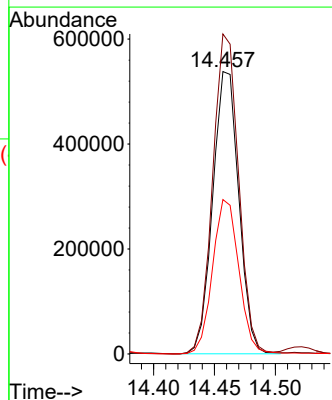
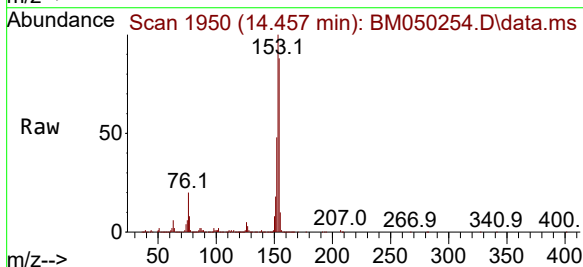
Instrument :  
 BNA\_M  
 ClientSampleId :

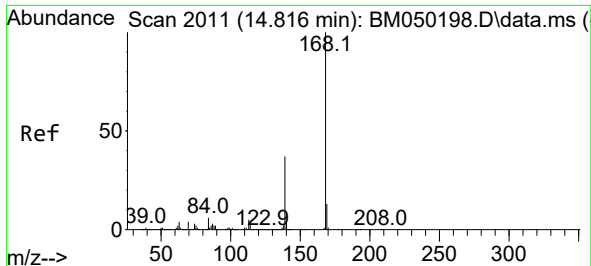
Tgt Ion:154 Resp: 154552  
 Ion Ratio Lower Upper  
 154 100  
 153 39.9 19.2 59.2  
 76 13.1 0.0 32.0



#52  
 Acenaphthene  
 Concen: 17.021 ng  
 RT: 14.457 min Scan# 1950  
 Delta R.T. -0.006 min  
 Lab File: BM050254.D  
 Acq: 09 Jun 2025 22:56

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

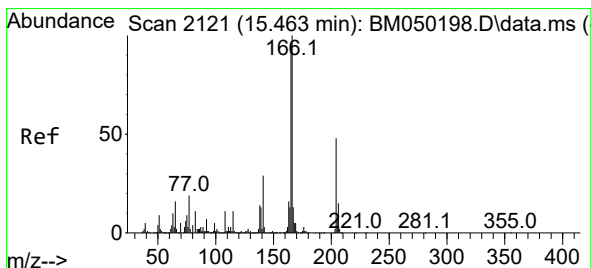
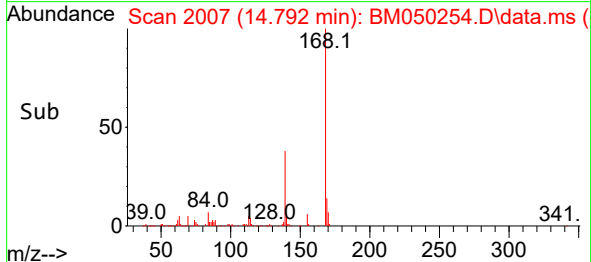
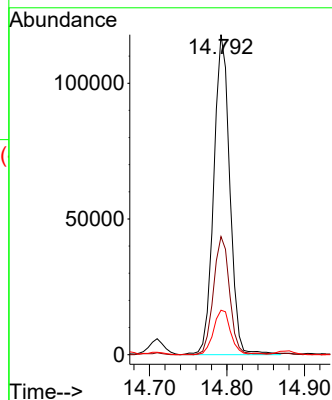
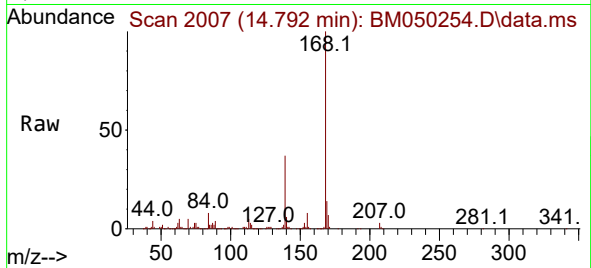




#55  
Dibenzenofuran  
Concen: 2.466 ng  
RT: 14.792 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

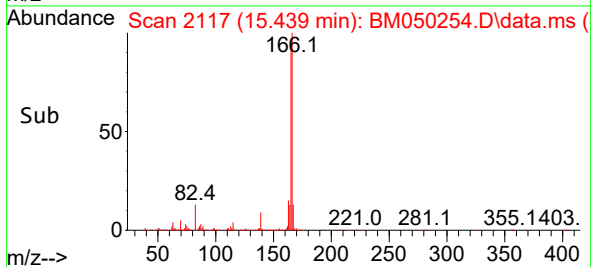
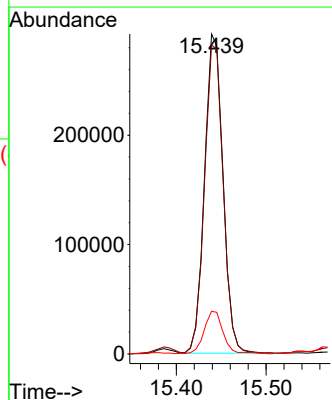
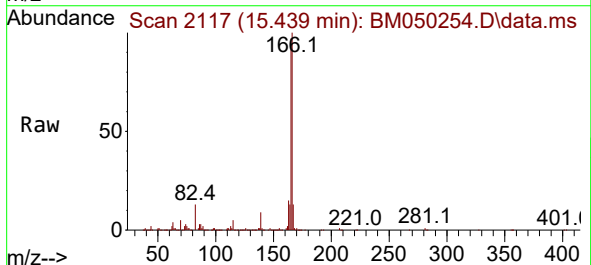
Instrument :  
BNA\_M  
ClientSampleId :

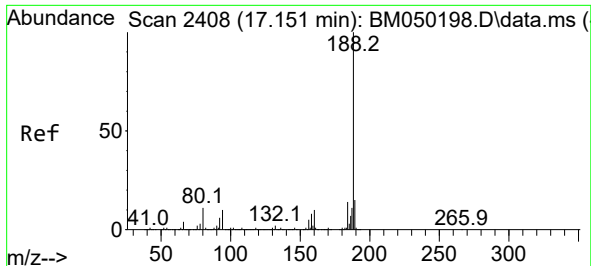
Tgt Ion:168 Resp: 169828  
Ion Ratio Lower Upper  
168 100  
139 36.9 29.9 44.9  
169 13.9 10.6 16.0



#58  
Fluorene  
Concen: 7.900 ng  
RT: 15.439 min Scan# 2117  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

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

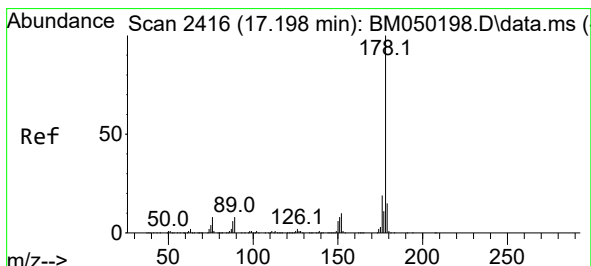
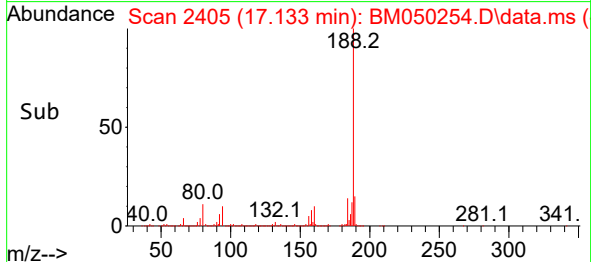
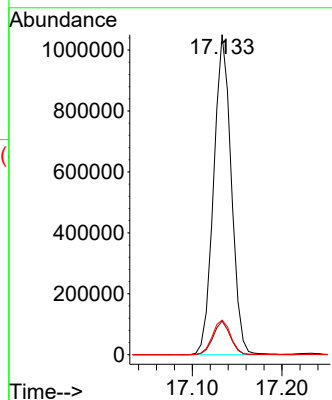
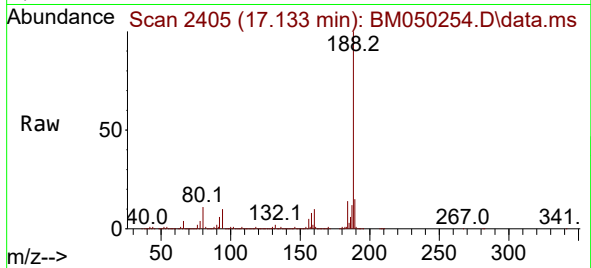




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.133 min Scan# 2405  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

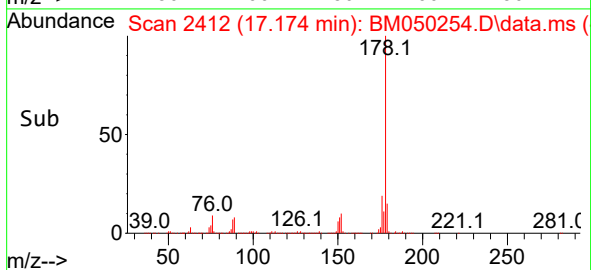
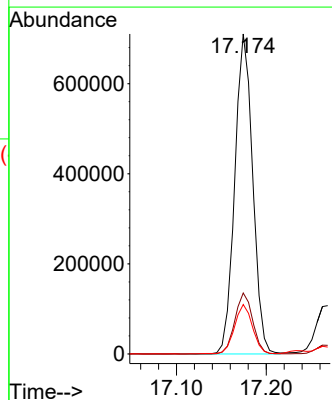
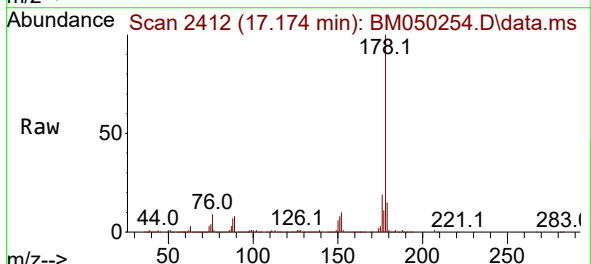
Instrument :  
BNA\_M  
ClientSampleId :

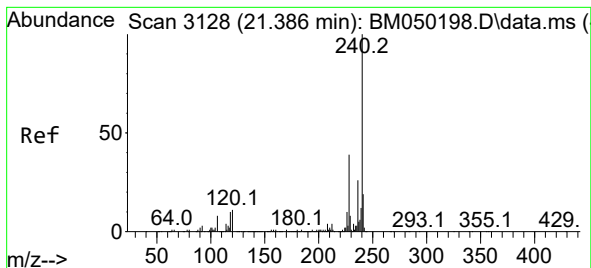
Tgt Ion:188 Resp: 1429372  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.1 12.1  
80 10.8 8.6 13.0



#71  
Phenanthrene  
Concen: 12.072 ng  
RT: 17.174 min Scan# 2412  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

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# 31

Delta R.T. -0.012 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

Instrument :

BNA\_M

ClientSampleId :

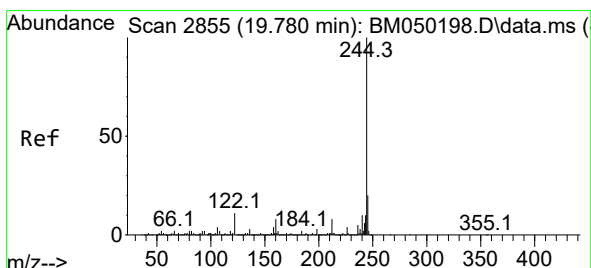
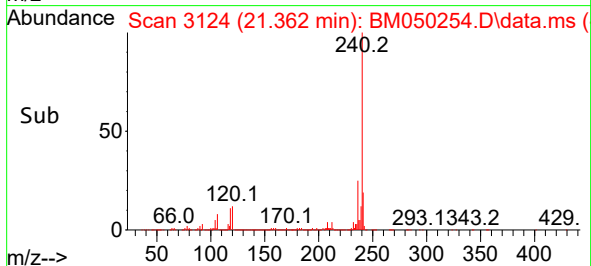
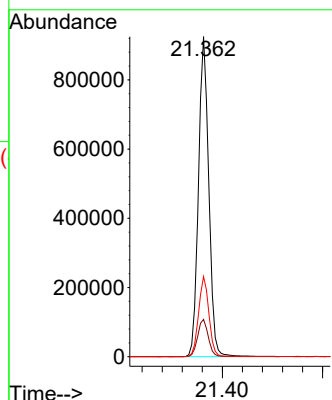
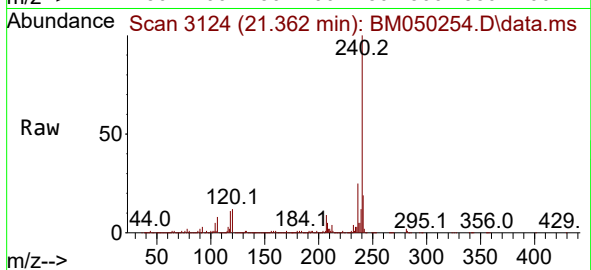
Tgt Ion:240 Resp: 1316639

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# 2852

Delta R.T. -0.006 min

Lab File: BM050254.D

Acq: 09 Jun 2025 22:56

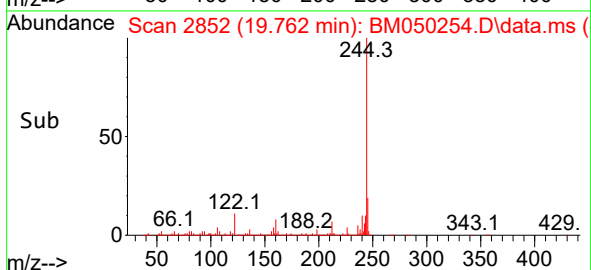
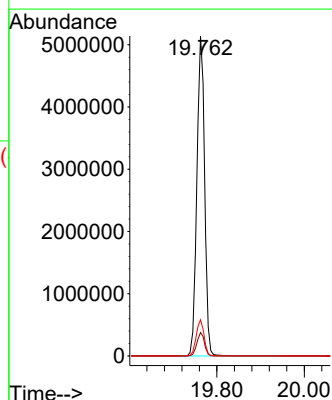
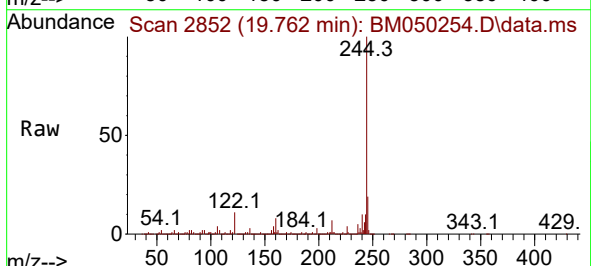
Tgt Ion:244 Resp: 6346327

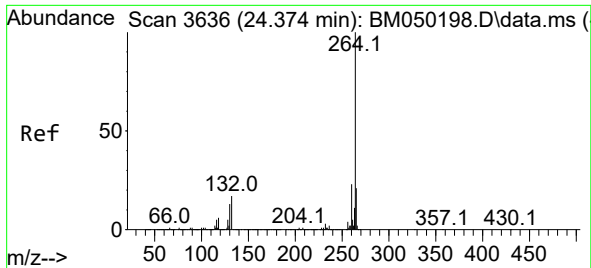
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

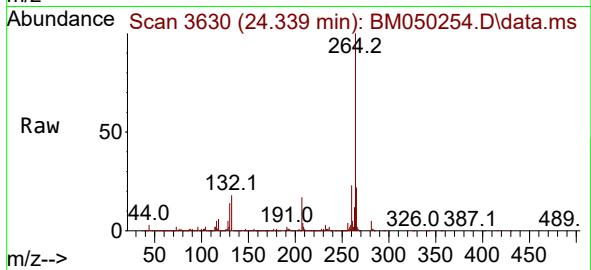
122 11.3 8.6 12.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.339 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BM050254.D  
Acq: 09 Jun 2025 22:56

Instrument :  
BNA\_M  
ClientSampleId :



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  |

