

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050925\  
 Data File : BM050161.D  
 Acq On : 09 May 2025 16:07  
 Operator : RC/JU  
 Sample : Q1986-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COMP-218

Quant Time: May 09 17:21:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration

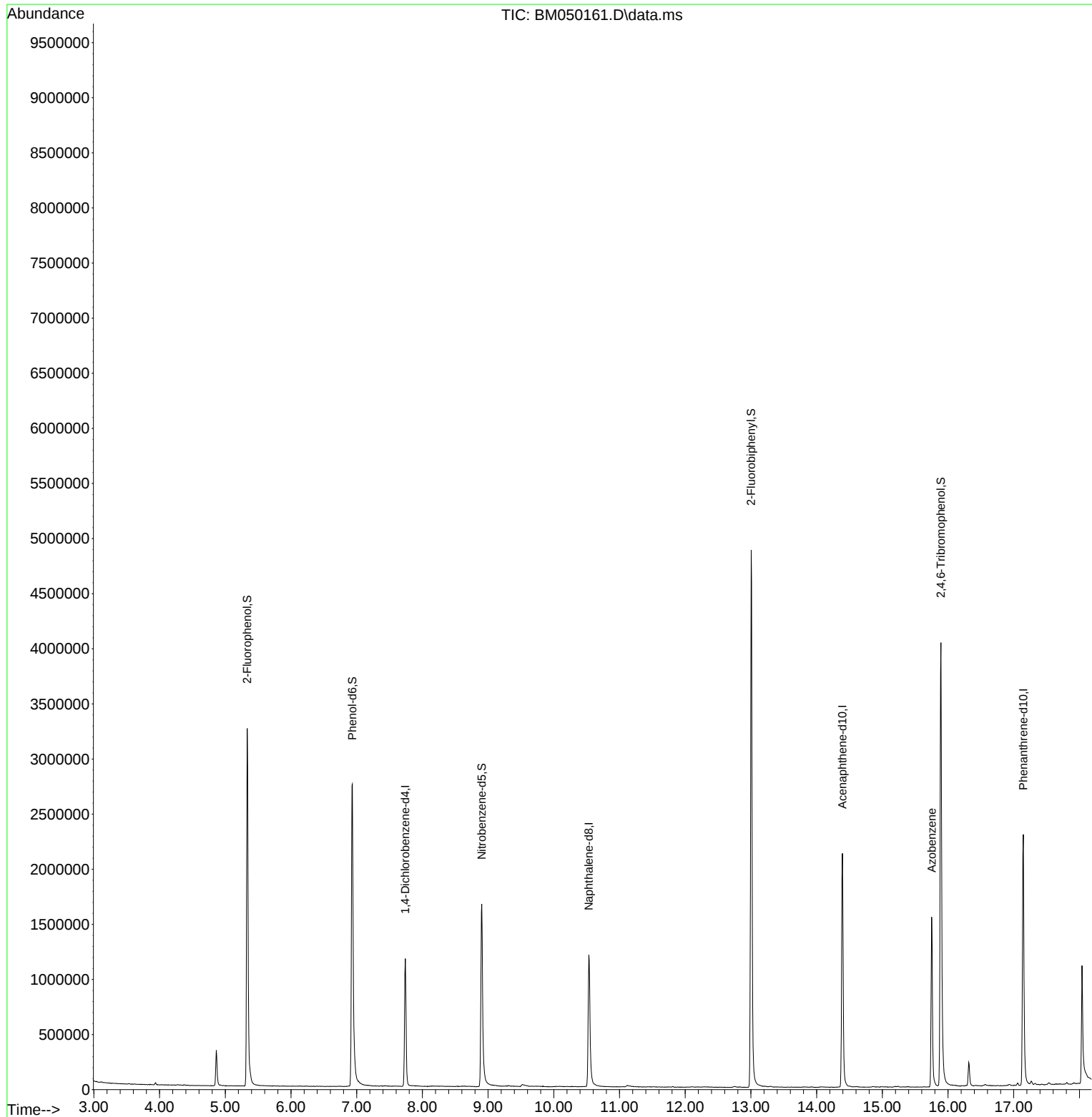
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|--------|------|----------|--------|-------|---------------|
| -----                       |        |      |          |        |       |               |
| Internal Standards          |        |      |          |        |       |               |
| 1) 1,4-Dichlorobenzene-d4   | 7.740  | 152  | 348721   | 20.000 | ng    | -0.03         |
| 21) Naphthalene-d8          | 10.533 | 136  | 1270176  | 20.000 | ng    | -0.03         |
| 39) Acenaphthene-d10        | 14.392 | 164  | 869413   | 20.000 | ng    | -0.02         |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1575595  | 20.000 | ng    | -0.01         |
| 76) Chrysene-d12            | 21.386 | 240  | 1140362  | 20.000 | ng    | -0.01         |
| 86) Perylene-d12            | 24.386 | 264  | 1123665  | 20.000 | ng    | -0.02         |
| System Monitoring Compounds |        |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.334  | 112  | 1606600  | 80.674 | ng    | -0.02         |
| 7) Phenol-d6                | 6.934  | 99   | 2069115  | 82.665 | ng    | -0.02         |
| 23) Nitrobenzene-d5         | 8.904  | 82   | 1204863  | 46.743 | ng    | -0.02         |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 1006018  | 78.256 | ng    | -0.01         |
| 45) 2-Fluorobiphenyl        | 13.004 | 172  | 2899088  | 39.447 | ng    | -0.03         |
| 79) Terphenyl-d14           | 19.768 | 244  | 3961453  | 51.404 | ng    | -0.01         |
| Target Compounds            |        |      |          |        |       |               |
| 63) Azobenzene              | 15.751 | 77   | 459960   | 9.167  | ng    | Qvalue<br># 1 |
| -----                       |        |      |          |        |       |               |

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

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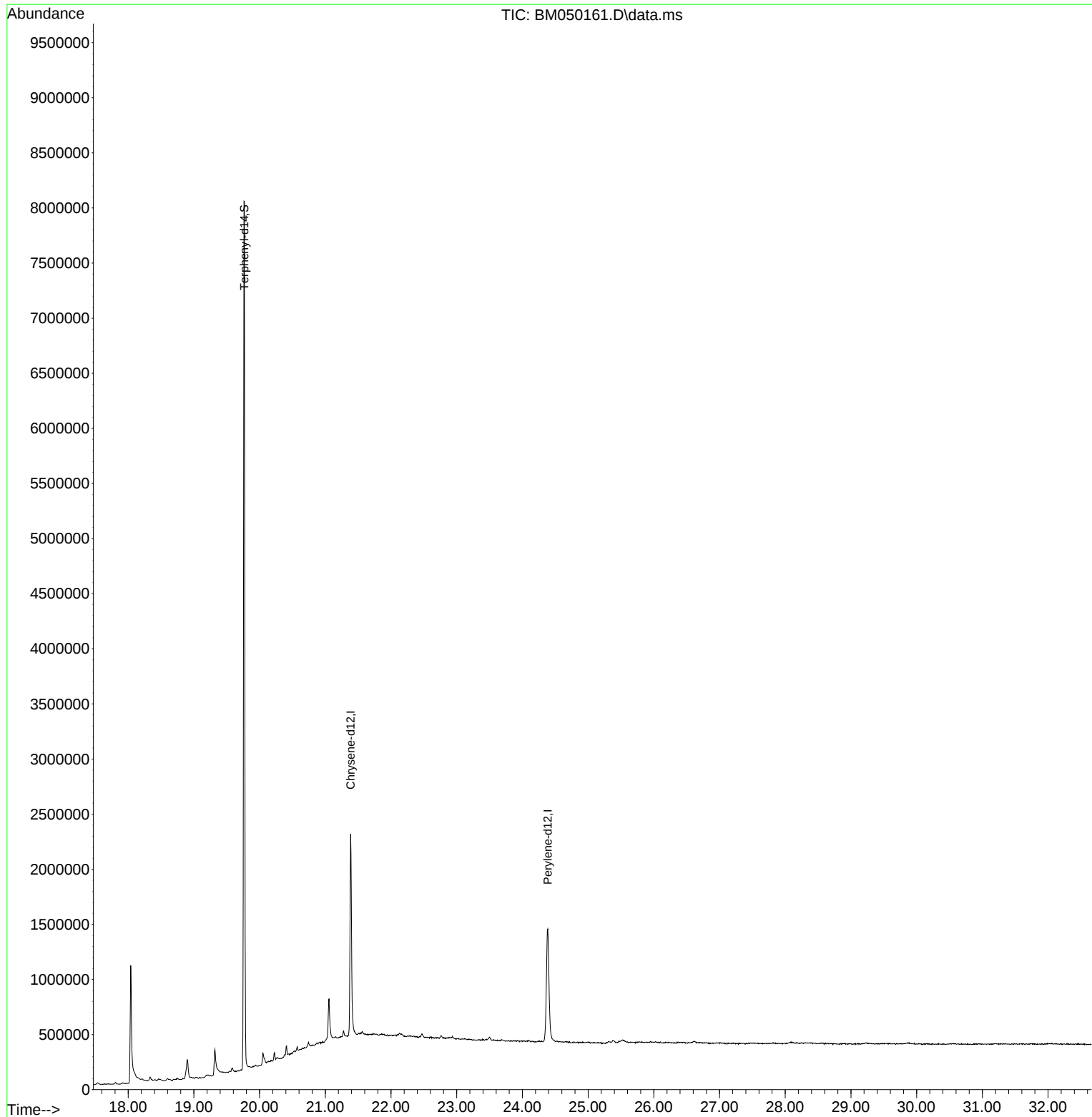
Quant Time: May 09 17:21:39 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration



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QLast Update : Thu May 08 12:03:21 2025  
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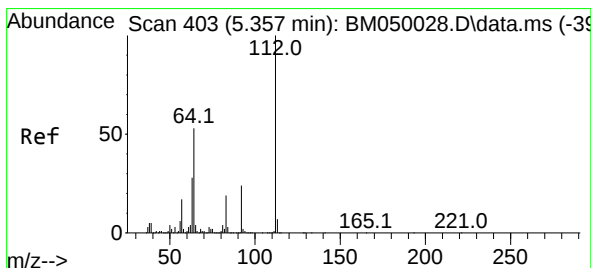
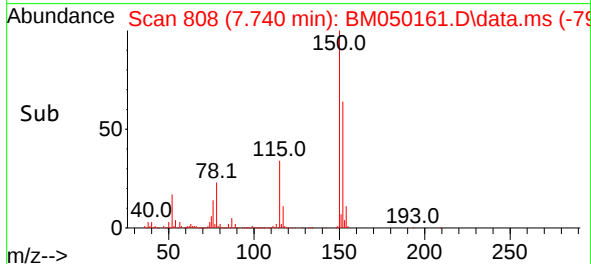
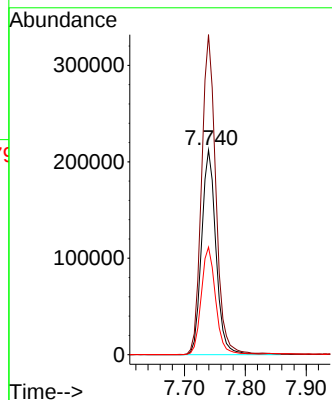
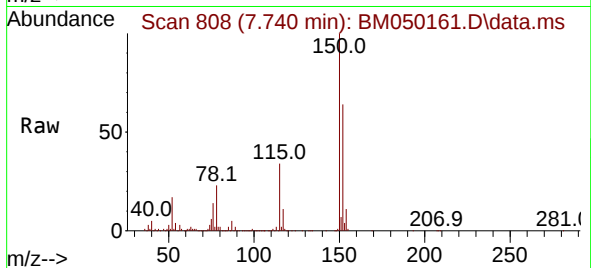




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.740 min Scan# 808  
Delta R.T. -0.029 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

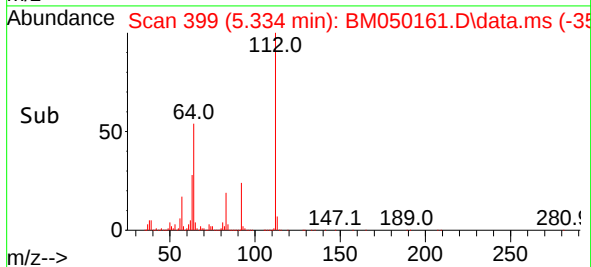
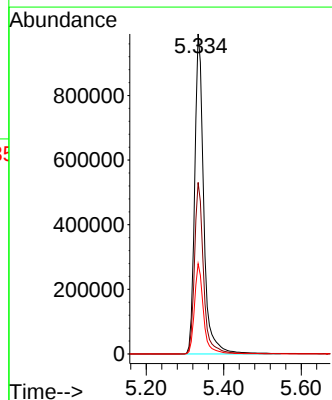
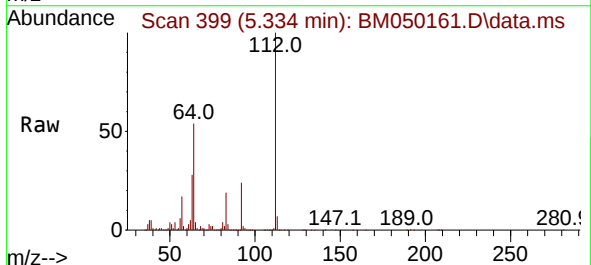
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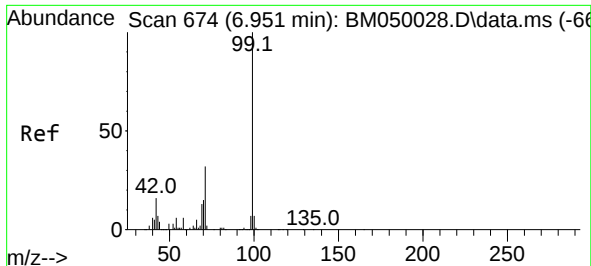
Tgt Ion:152 Resp: 348721  
Ion Ratio Lower Upper  
152 100  
150 156.4 124.1 186.1  
115 52.6 41.2 61.8



#5  
2-Fluorophenol  
Concen: 80.674 ng  
RT: 5.334 min Scan# 399  
Delta R.T. -0.024 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

Tgt Ion:112 Resp: 1606600  
Ion Ratio Lower Upper  
112 100  
64 53.6 42.6 64.0  
63 28.2 22.2 33.4

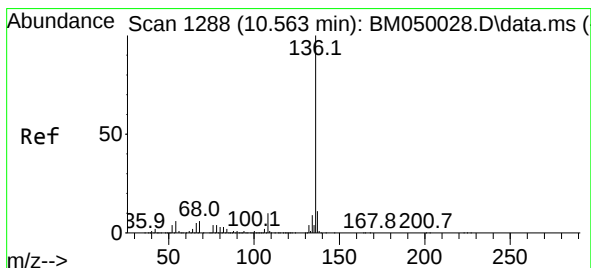
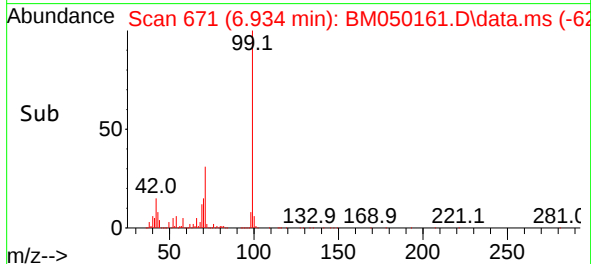
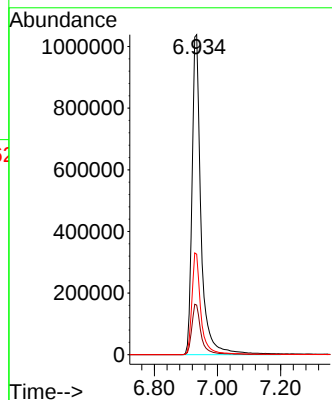
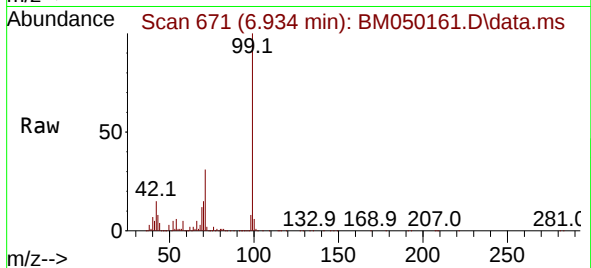




#7  
Phenol-d6  
Concen: 82.665 ng  
RT: 6.934 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

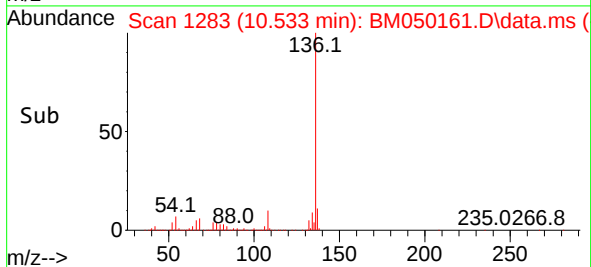
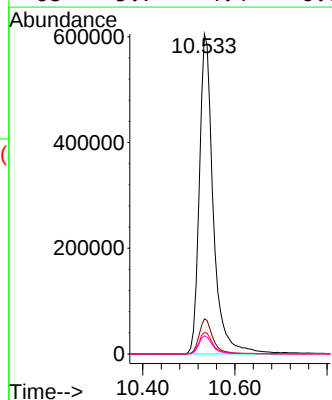
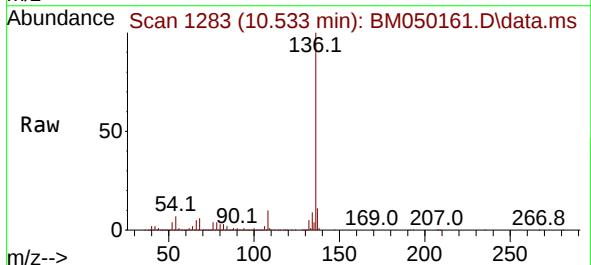
Instrument :  
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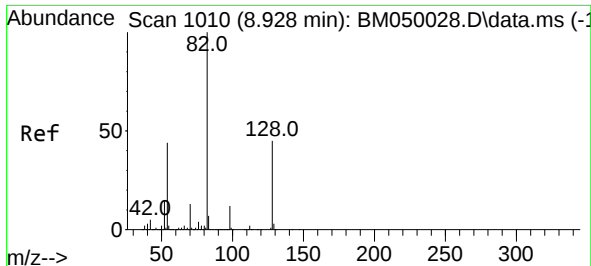
Tgt Ion: 99 Resp: 2069115  
Ion Ratio Lower Upper  
99 100  
42 15.5 13.0 19.4  
71 31.4 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.533 min Scan# 1283  
Delta R.T. -0.029 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

Tgt Ion: 136 Resp: 1270176  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 6.7 5.1 7.7  
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 46.743 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050161.D

Acq: 09 May 2025 16:07

Instrument :

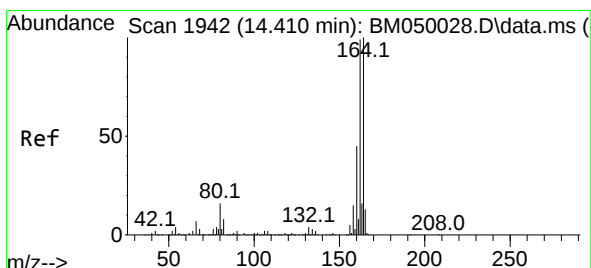
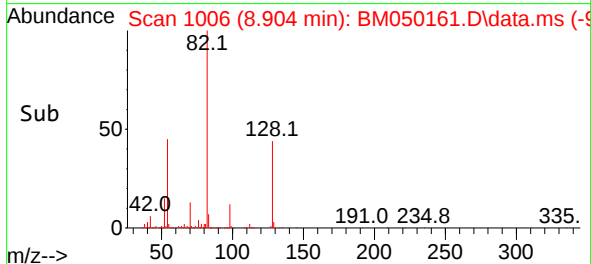
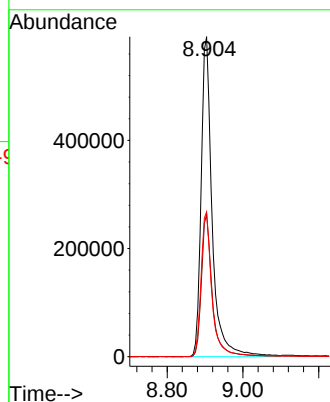
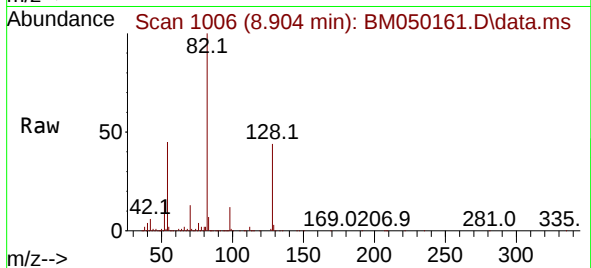
BNA\_M

ClientSampleId :

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Tgt Ion: 82 Resp: 1204863

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.5  | 35.7  | 53.5  |
| 54  | 45.3  | 35.4  | 53.2  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

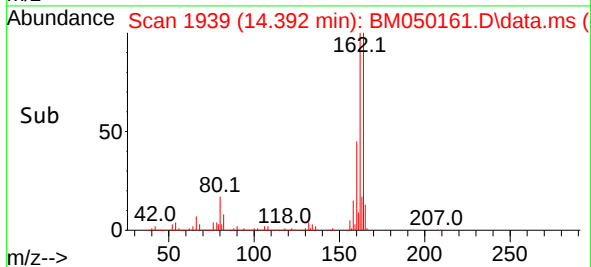
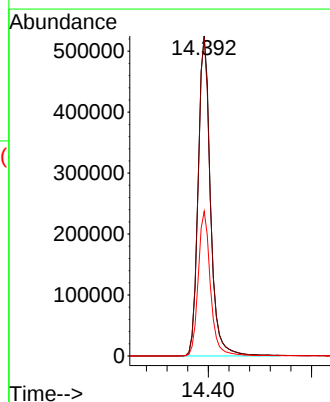
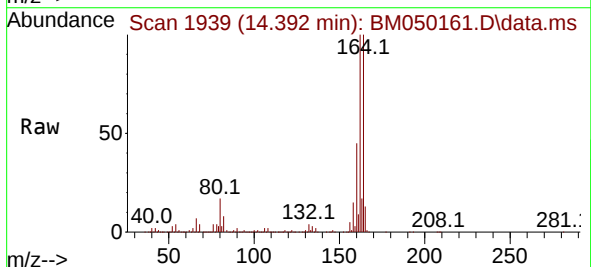
Delta R.T. -0.018 min

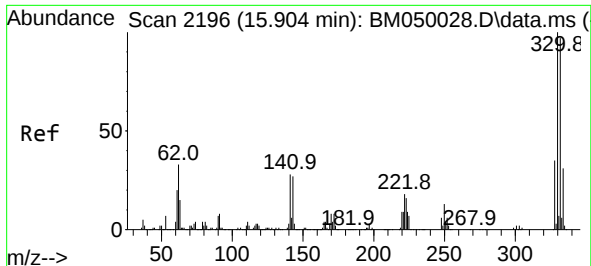
Lab File: BM050161.D

Acq: 09 May 2025 16:07

Tgt Ion: 164 Resp: 869413

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.6  | 79.4  | 119.0 |
| 160 | 45.2  | 36.2  | 54.4  |

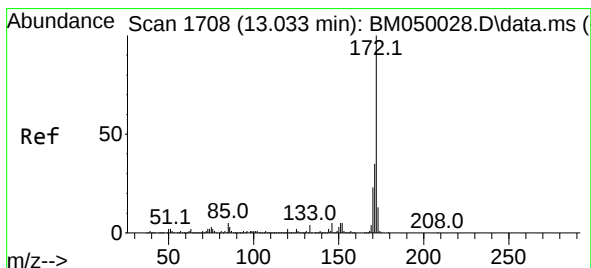
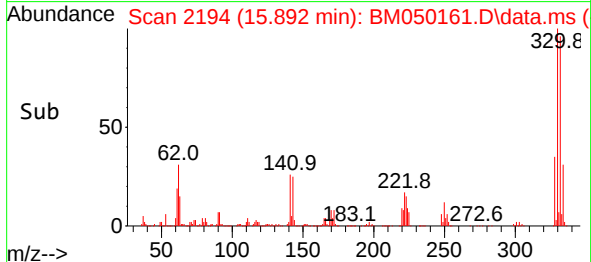
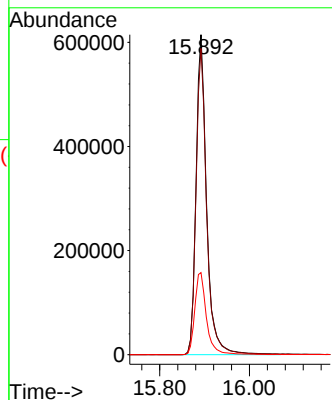
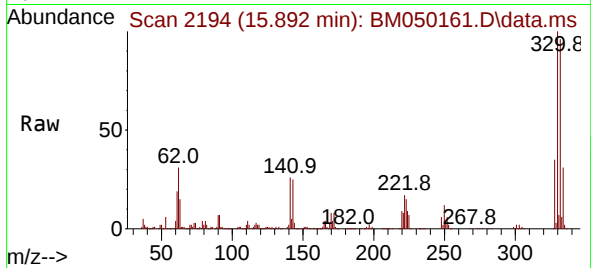




#42  
2,4,6-Tribromophenol  
Concen: 78.256 ng  
RT: 15.892 min Scan# 2196  
Delta R.T. -0.012 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

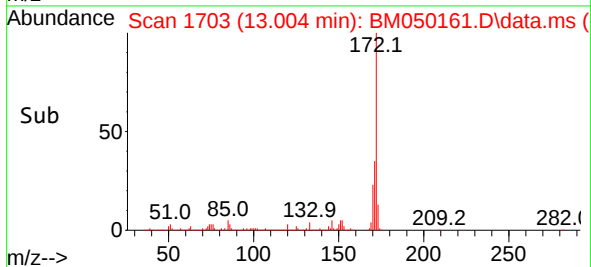
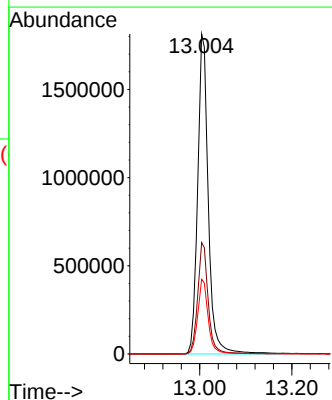
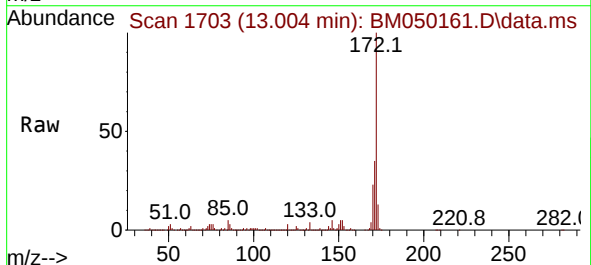
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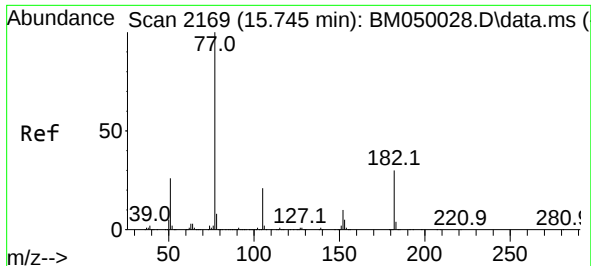
Tgt Ion:330 Resp: 1006018  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.3 115.9  
141 28.4 22.5 33.7



#45  
2-Fluorobiphenyl  
Concen: 39.447 ng  
RT: 13.004 min Scan# 1703  
Delta R.T. -0.029 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

Tgt Ion:172 Resp: 2899088  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.8 41.6  
170 23.4 18.6 28.0

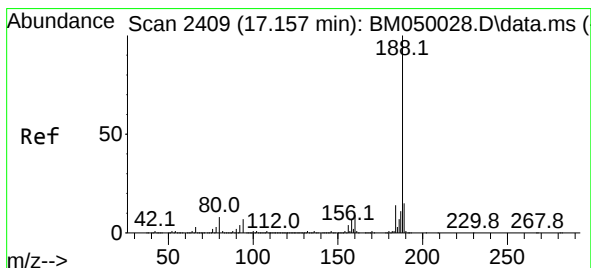
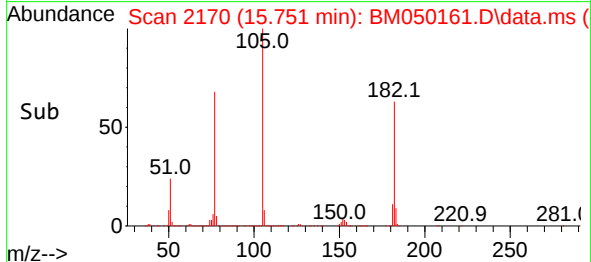
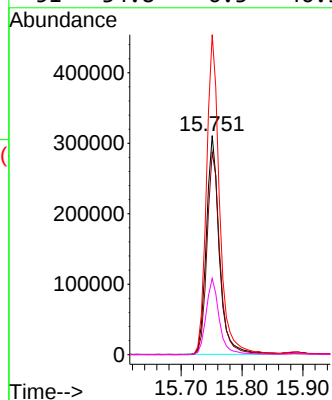
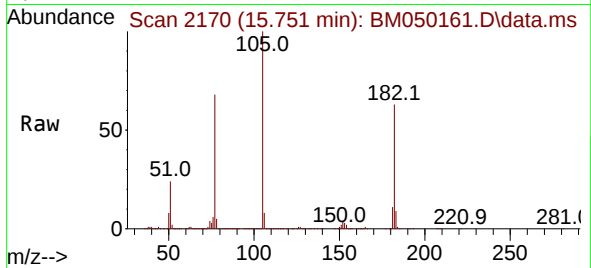




#63  
Azobenzene  
Concen: 9.167 ng  
RT: 15.751 min Scan# 2169  
Delta R.T. 0.006 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

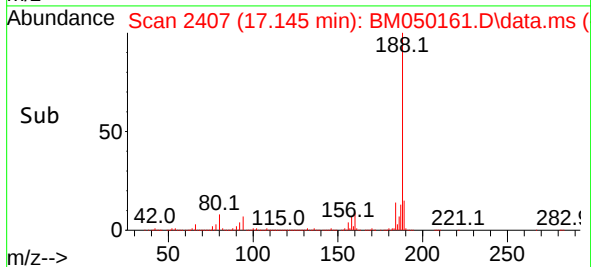
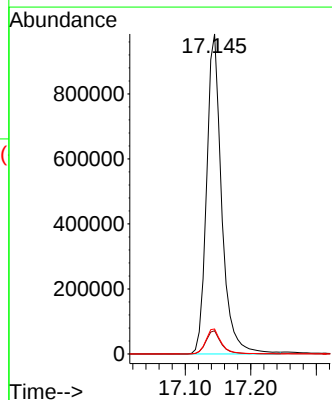
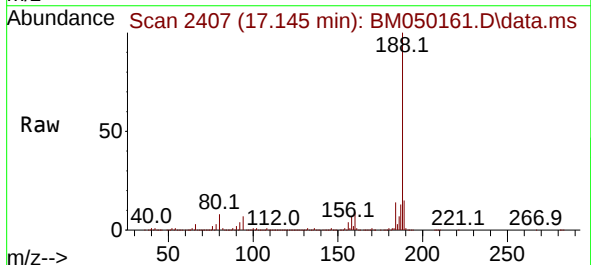
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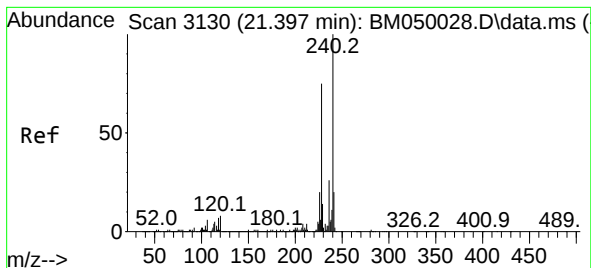
Tgt Ion: 77 Resp: 459960  
Ion Ratio Lower Upper  
77 100  
182 92.4 10.5 50.5#  
105 146.0 1.1 41.1#  
51 34.8 6.3 46.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BM050161.D  
Acq: 09 May 2025 16:07

Tgt Ion: 188 Resp: 1575595  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.7 8.5  
80 7.8 6.2 9.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050161.D

Acq: 09 May 2025 16:07

Instrument :

BNA\_M

ClientSampleId :

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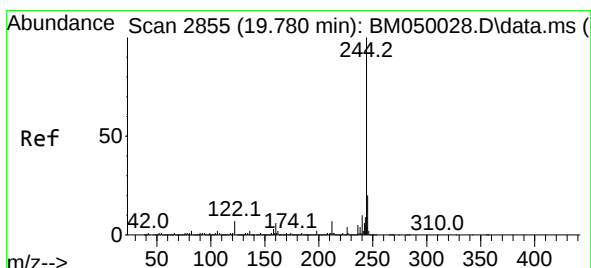
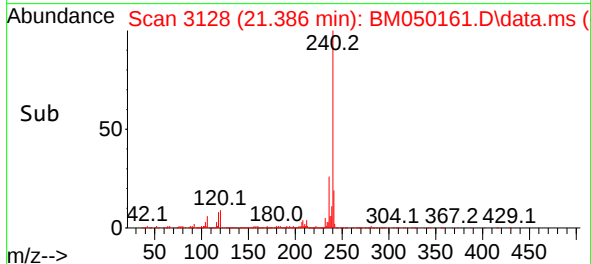
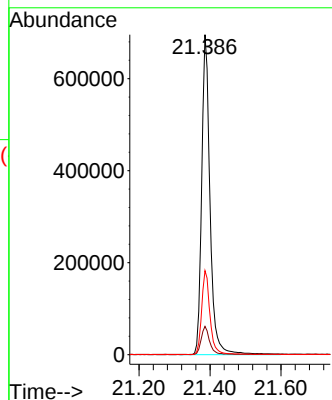
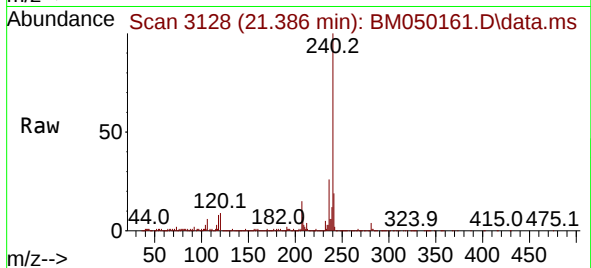
Tgt Ion:240 Resp: 1140362

Ion Ratio Lower Upper

240 100

120 8.8 6.5 9.7

236 26.3 20.9 31.3



#79

Terphenyl-d14

Concen: 51.404 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050161.D

Acq: 09 May 2025 16:07

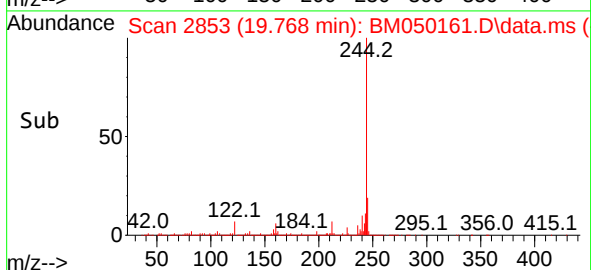
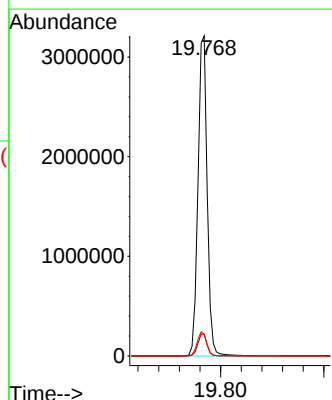
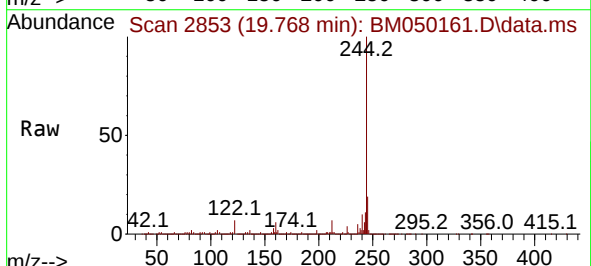
Tgt Ion:244 Resp: 3961453

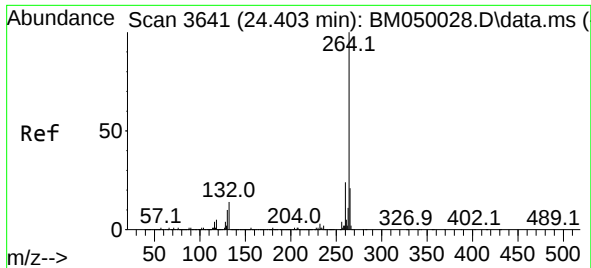
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 6.8 5.6 8.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.386 min Scan# 30  
 Delta R.T. -0.018 min  
 Lab File: BM050161.D  
 Acq: 09 May 2025 16:07

Instrument :  
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Tgt Ion:264 Resp: 1123665  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.8 28.2  
 265 21.7 17.0 25.4

