

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050125\  
 Data File : BM050077.D  
 Acq On : 01 May 2025 23:15  
 Operator : RC/JU  
 Sample : Q1906-09 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-6

Quant Time: May 02 01:14:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 28 18:09:16 2025  
 Response via : Initial Calibration

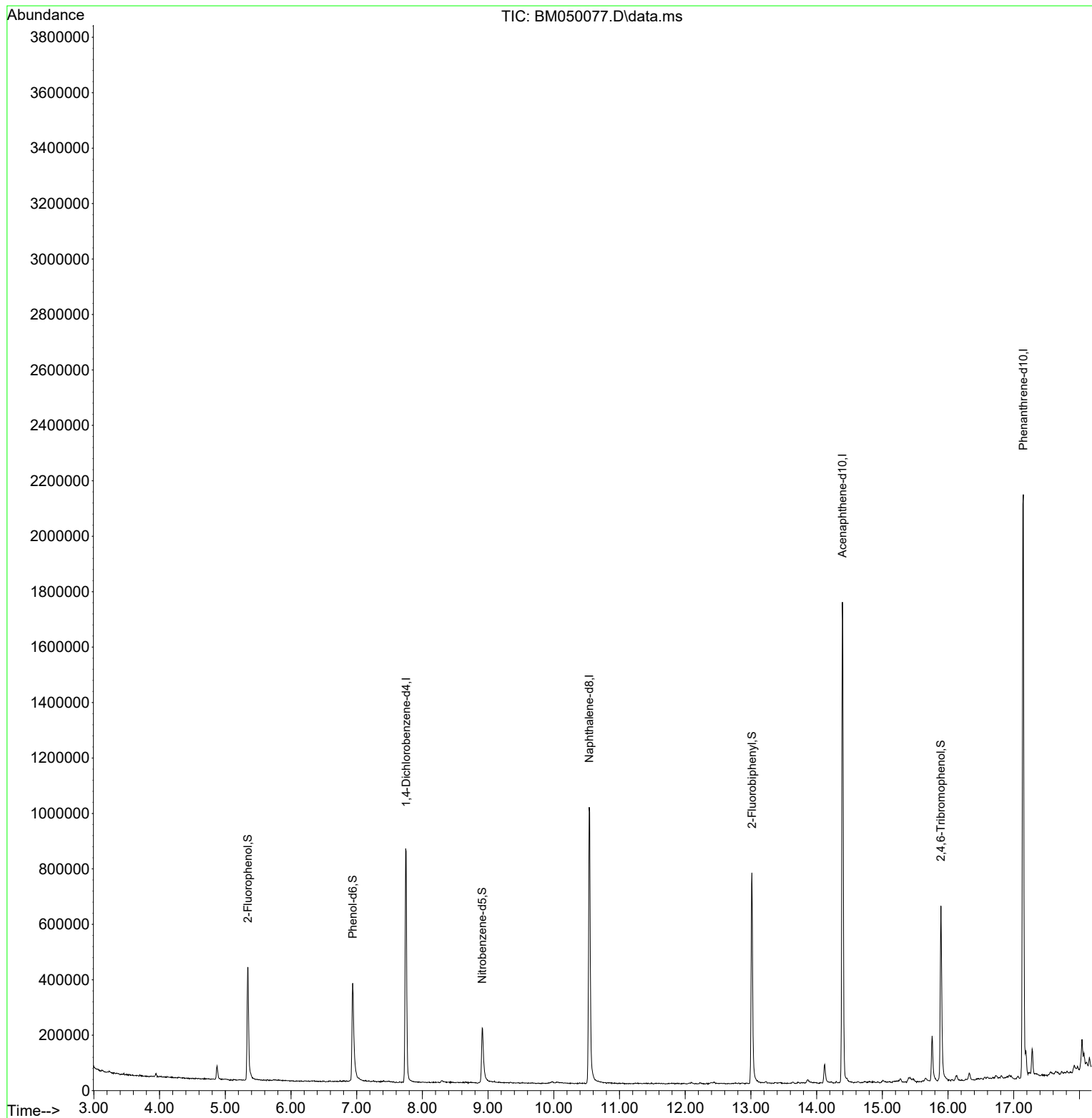
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.751  | 152  | 260963   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.540 | 136  | 956596   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.392 | 164  | 662166   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1355794  | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.380 | 240  | 1317336  | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 24.374 | 264  | 1346752  | 20.000 | ng    | -0.03    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 219213   | 14.709 | ng    | -0.01    |
| 7) Phenol-d6                | 6.940  | 99   | 293970   | 15.694 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.910  | 82   | 158699   | 8.175  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 142542   | 14.558 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.016 | 172  | 481951   | 8.610  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.768 | 244  | 715529   | 8.037  | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 19.204 | 202  | 180287   | 2.008  | ng    | 99       |
| 78) Pyrene                  | 19.568 | 202  | 228962   | 2.475  | ng    | 100      |
| 88) Benzo(b)fluoranthene    | 23.433 | 252  | 222746   | 2.543  | ng    | # 95     |
| -----                       |        |      |          |        |       |          |

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

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WC-6

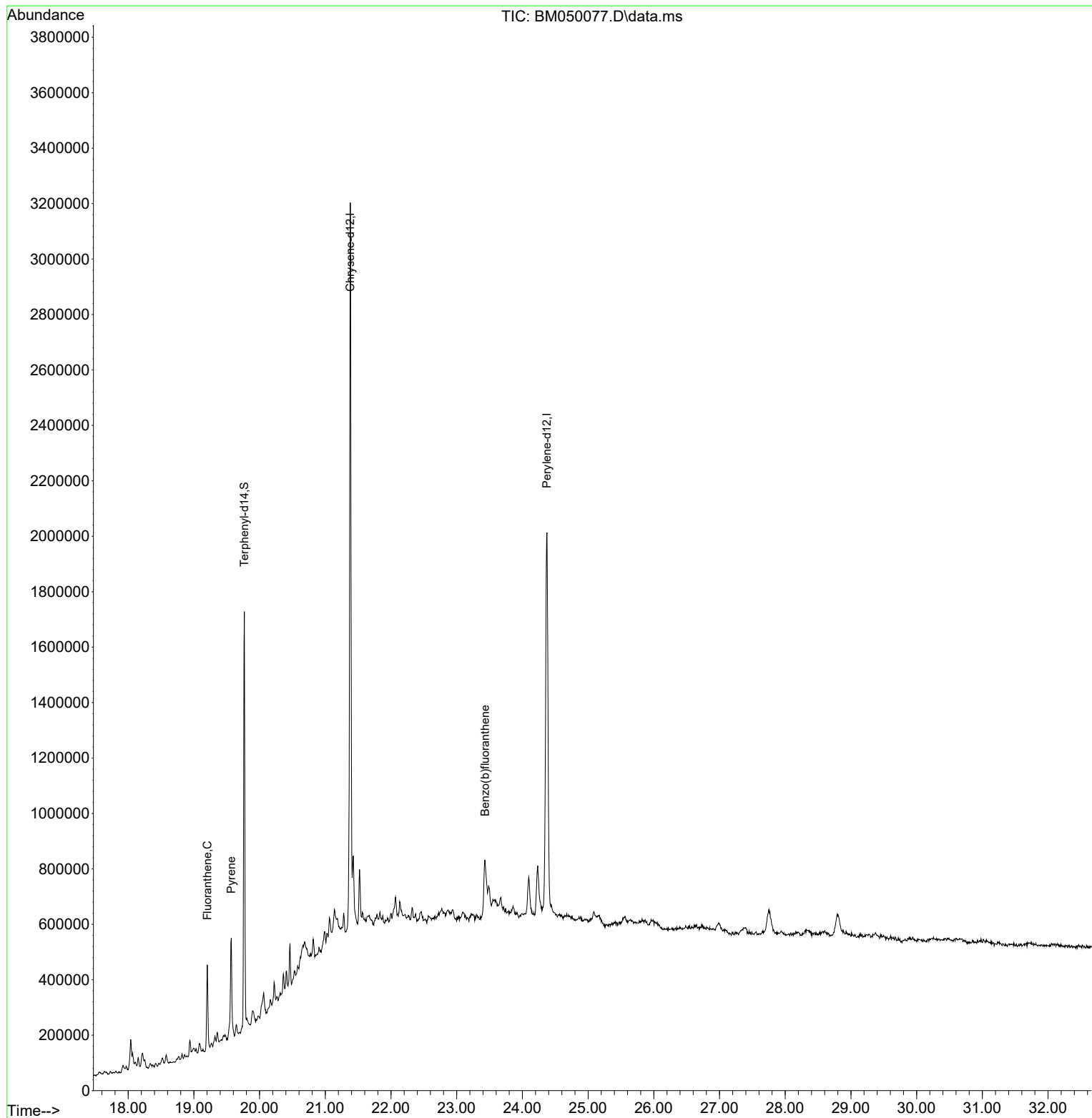
Quant Time: May 02 01:14:10 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration



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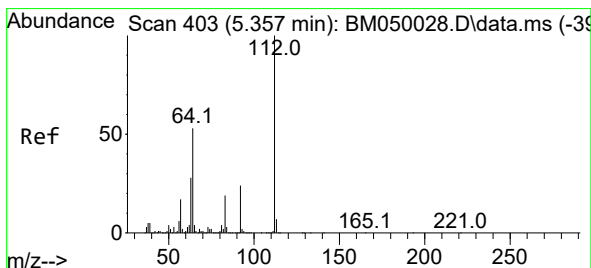
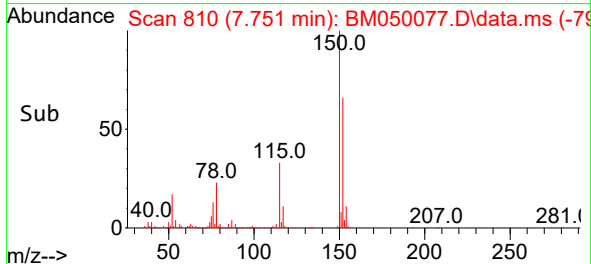
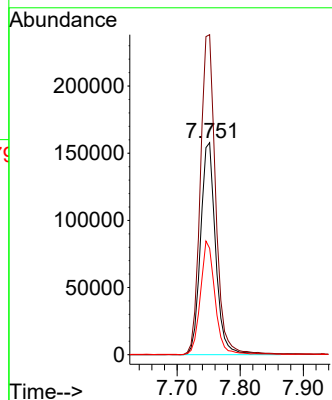
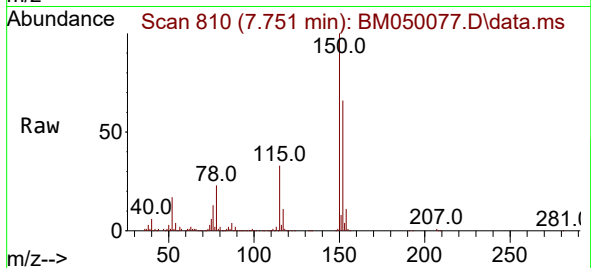




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.751 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

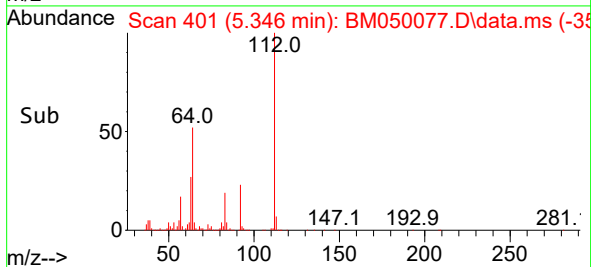
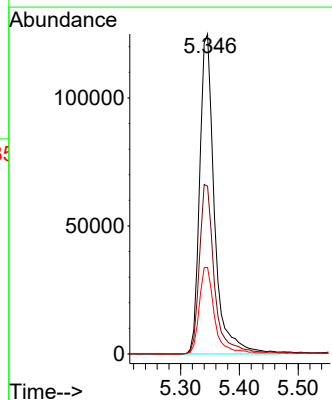
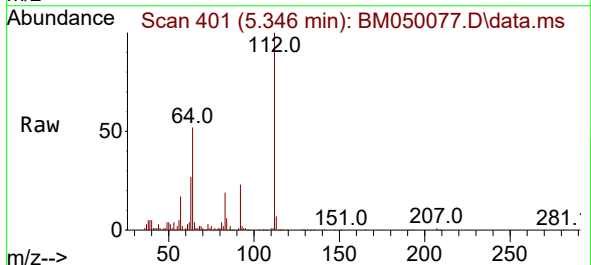
Instrument :  
BNA\_M  
ClientSampleId :  
WC-6

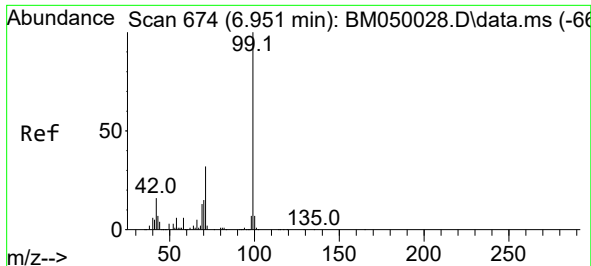
Tgt Ion:152 Resp: 260963  
Ion Ratio Lower Upper  
152 100  
150 151.0 124.1 186.1  
115 50.2 41.2 61.8



#5  
2-Fluorophenol  
Concen: 14.709 ng  
RT: 5.346 min Scan# 401  
Delta R.T. -0.012 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

Tgt Ion:112 Resp: 219213  
Ion Ratio Lower Upper  
112 100  
64 52.5 42.6 64.0  
63 27.1 22.2 33.4

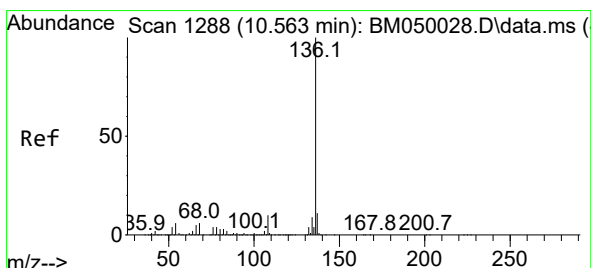
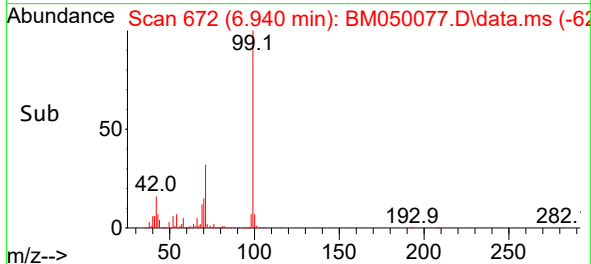
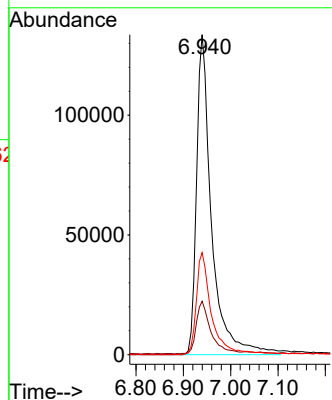
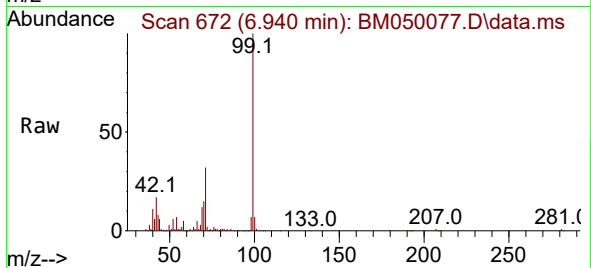




#7  
Phenol-d6  
Concen: 15.694 ng  
RT: 6.940 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

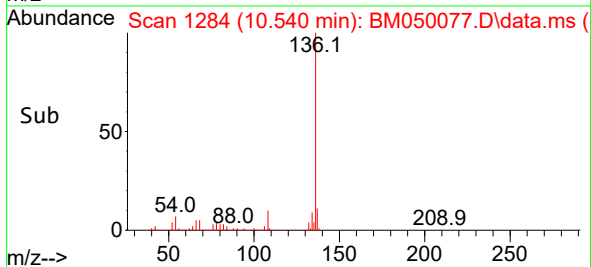
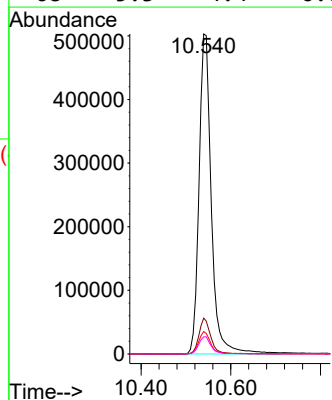
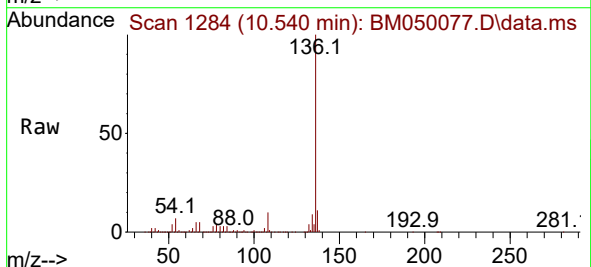
Instrument :  
BNA\_M  
ClientSampleId :  
WC-6

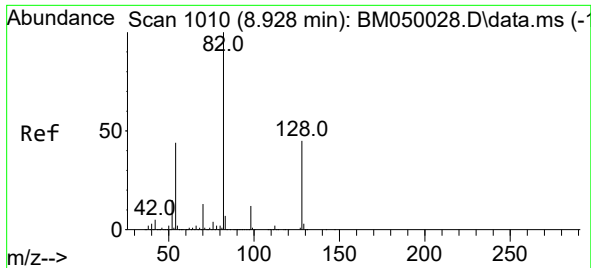
Tgt Ion: 99 Resp: 293970  
Ion Ratio Lower Upper  
99 100  
42 16.7 13.0 19.4  
71 31.9 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.540 min Scan# 1284  
Delta R.T. -0.023 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

Tgt Ion: 136 Resp: 956596  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 7.0 5.1 7.7  
68 5.3 4.4 6.6

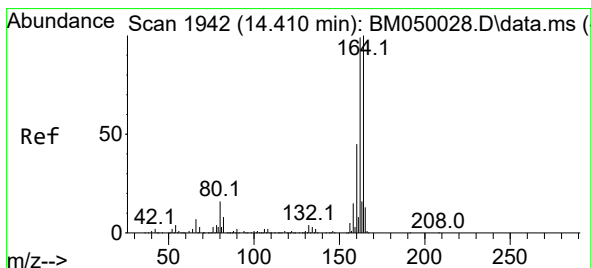
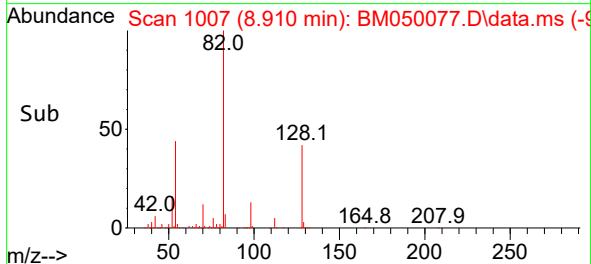
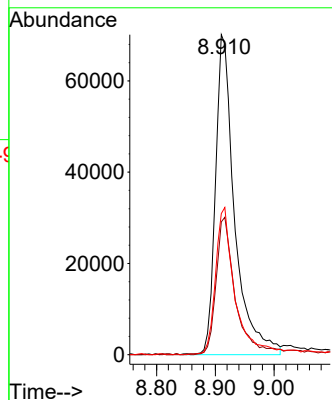
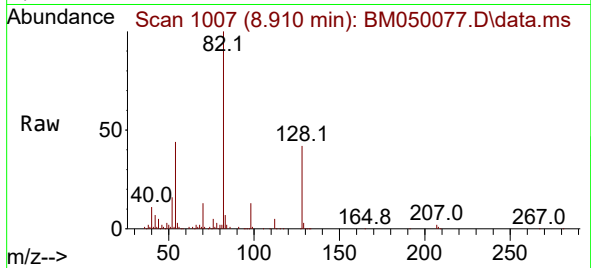




#23  
Nitrobenzene-d5  
Concen: 8.175 ng  
RT: 8.910 min Scan# 1010  
Delta R.T. -0.017 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

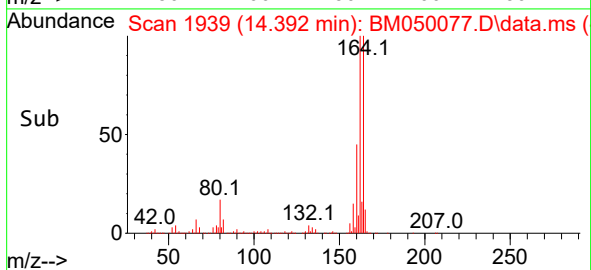
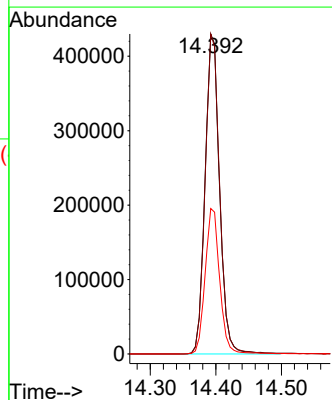
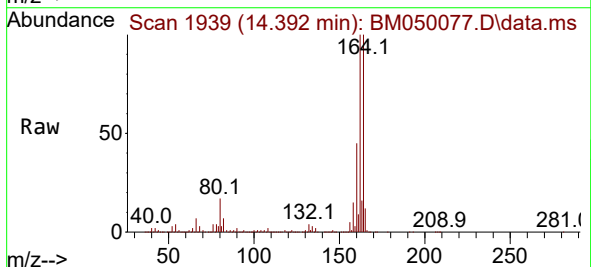
Instrument :  
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ClientSampleId :  
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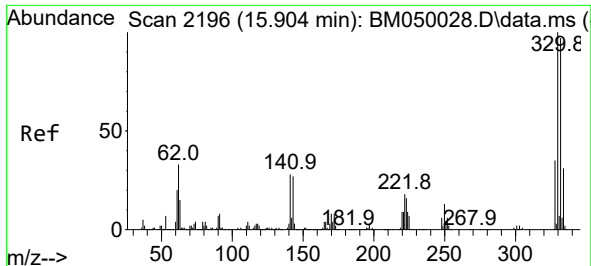
Tgt Ion: 82 Resp: 158699  
Ion Ratio Lower Upper  
82 100  
128 41.5 35.7 53.5  
54 44.1 35.4 53.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.392 min Scan# 1939  
Delta R.T. -0.018 min  
Lab File: BM050077.D  
Acq: 01 May 2025 23:15

Tgt Ion: 164 Resp: 662166  
Ion Ratio Lower Upper  
164 100  
162 100.1 79.4 119.0  
160 45.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 14.558 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

Instrument :

BNA\_M

ClientSampleId :

WC-6

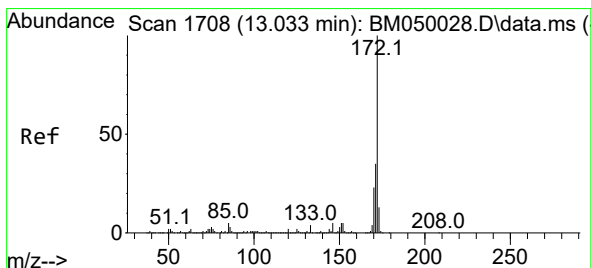
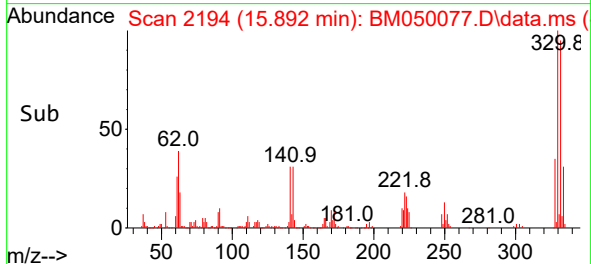
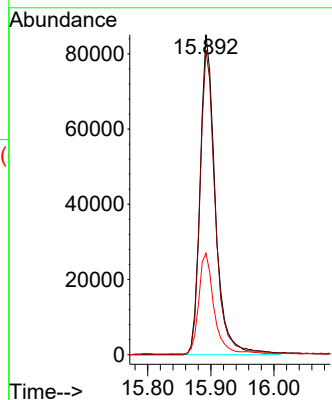
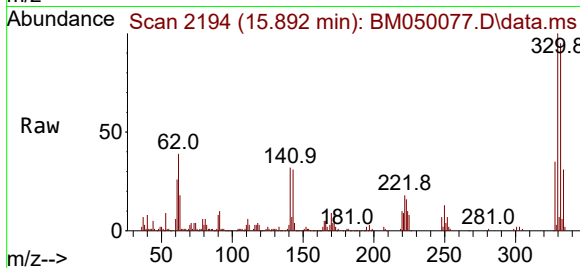
Tgt Ion:330 Resp: 142542

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

141 31.5 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 8.610 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.017 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

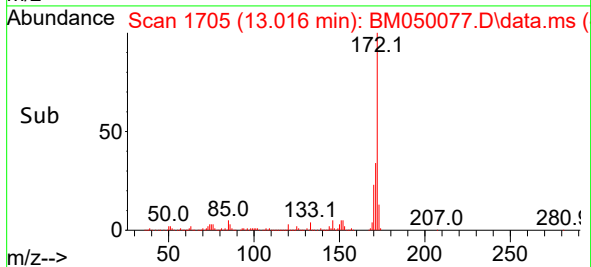
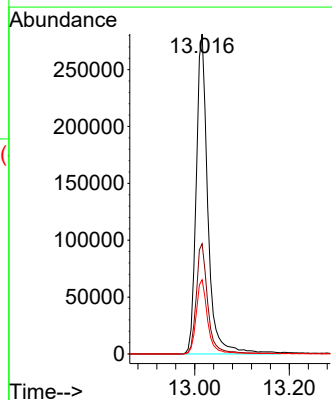
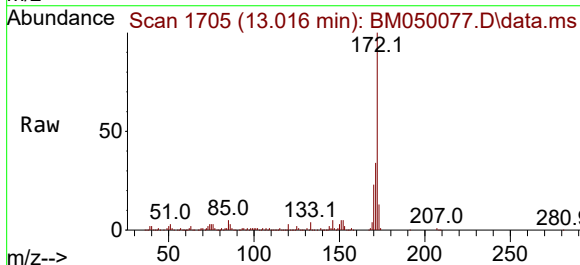
Tgt Ion:172 Resp: 481951

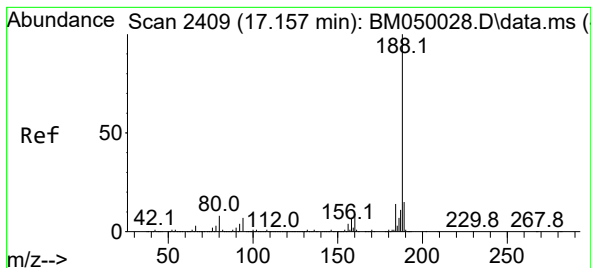
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

Instrument :

BNA\_M

ClientSampleId :

WC-6

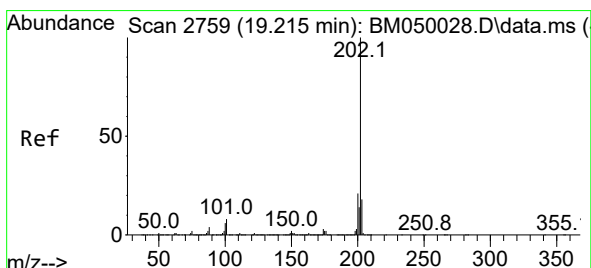
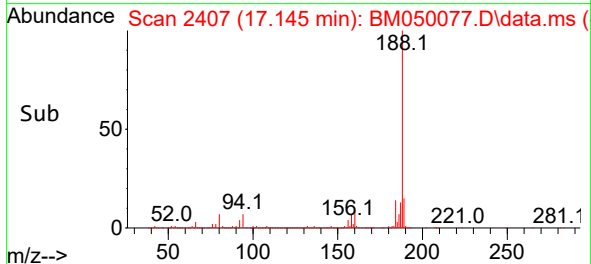
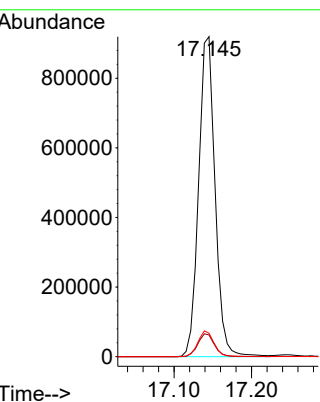
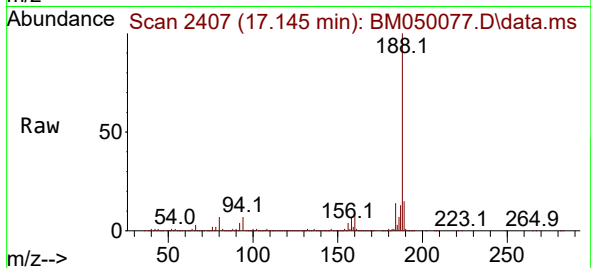
Tgt Ion:188 Resp: 1355794

Ion Ratio Lower Upper

188 100

94 6.8 5.7 8.5

80 7.4 6.2 9.4



#75

Fluoranthene

Concen: 2.008 ng

RT: 19.204 min Scan# 2757

Delta R.T. -0.012 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

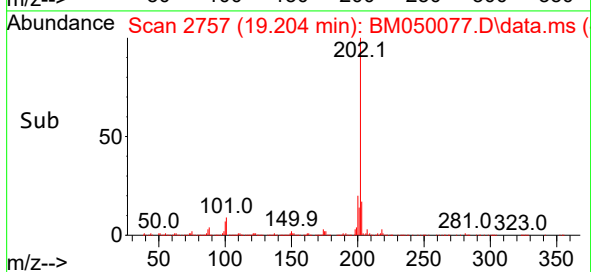
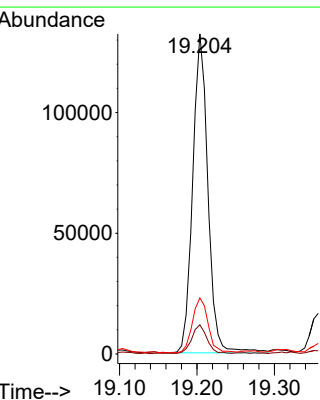
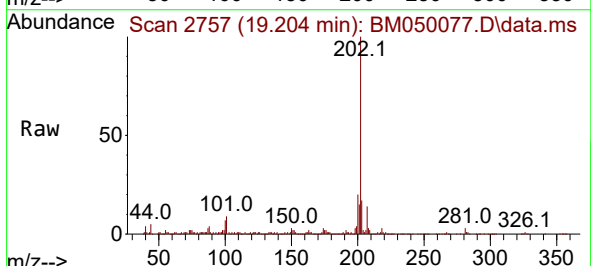
Tgt Ion:202 Resp: 180287

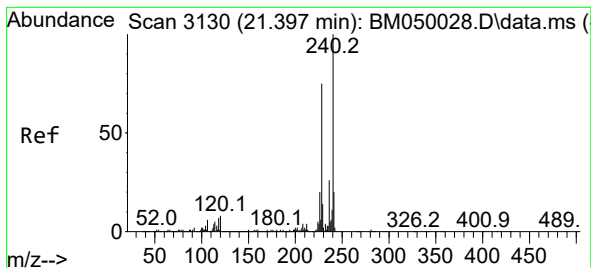
Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.0

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

Instrument :

BNA\_M

ClientSampleId :

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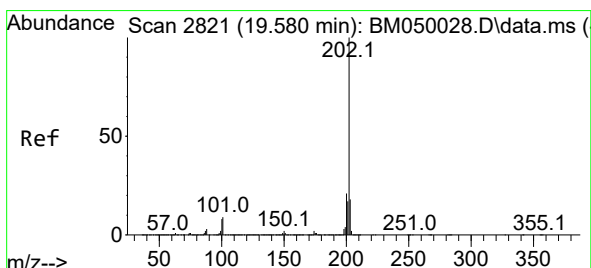
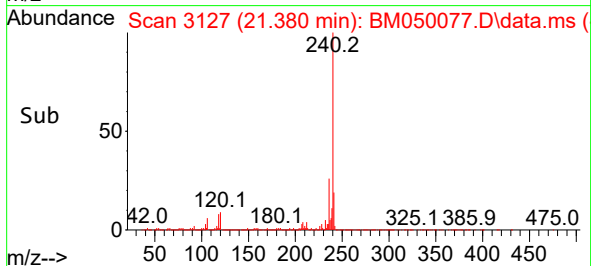
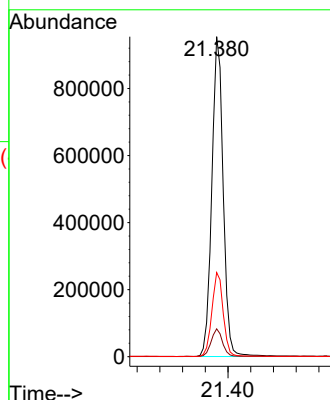
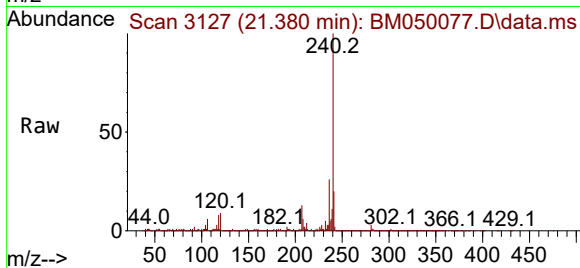
Tgt Ion:240 Resp: 1317336

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 26.3 20.9 31.3



#78

Pyrene

Concen: 2.475 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050077.D

Acq: 01 May 2025 23:15

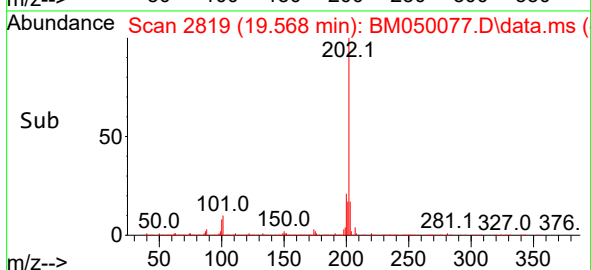
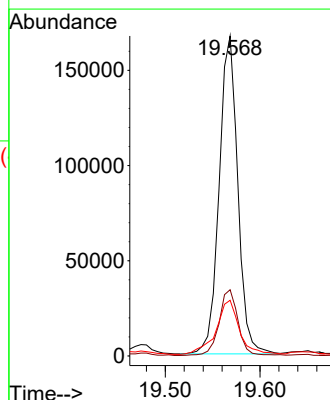
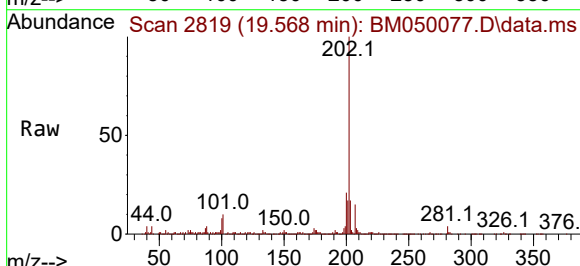
Tgt Ion:202 Resp: 228962

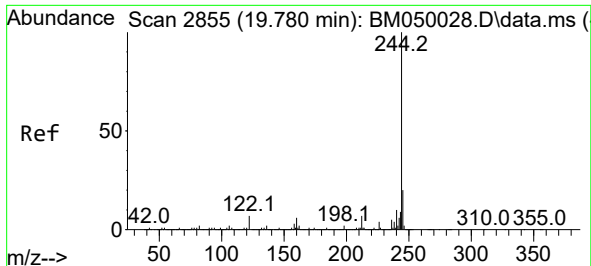
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.4 14.1 21.1

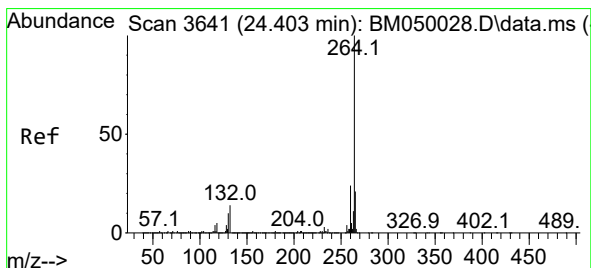
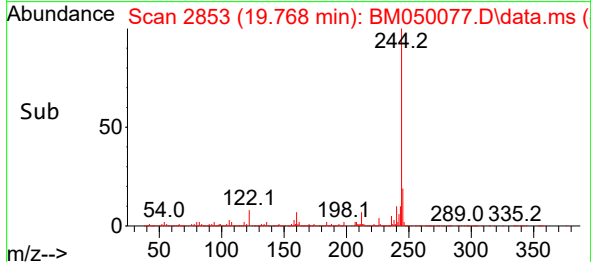
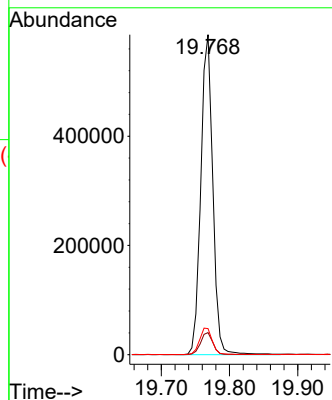
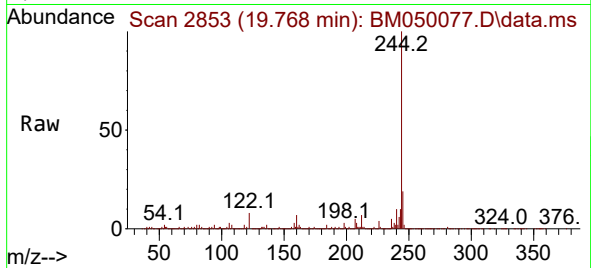




#79  
 Terphenyl-d14  
 Concen: 8.037 ng  
 RT: 19.768 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM050077.D  
 Acq: 01 May 2025 23:15

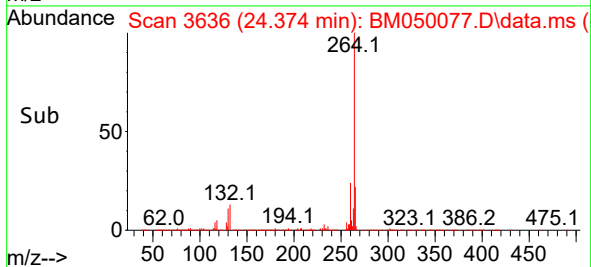
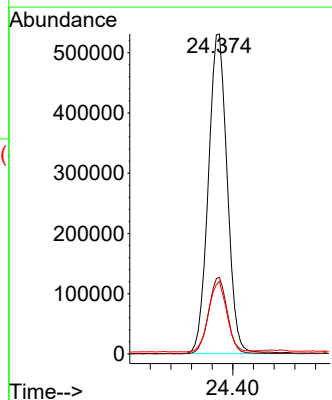
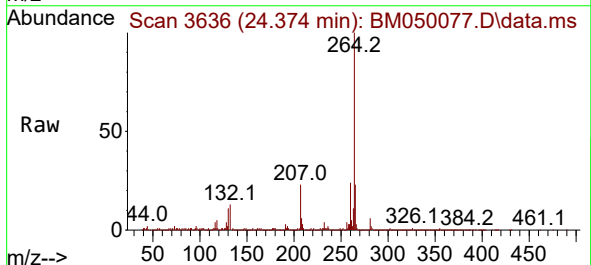
Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-6

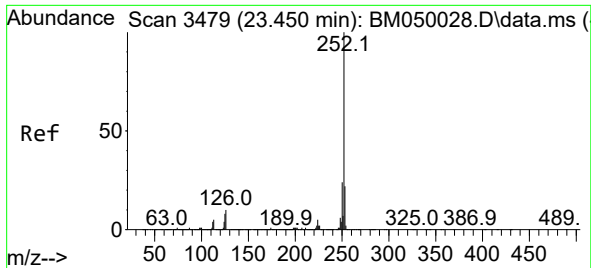
Tgt Ion:244 Resp: 715529  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 8.2 5.6 8.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.374 min Scan# 3636  
 Delta R.T. -0.029 min  
 Lab File: BM050077.D  
 Acq: 01 May 2025 23:15

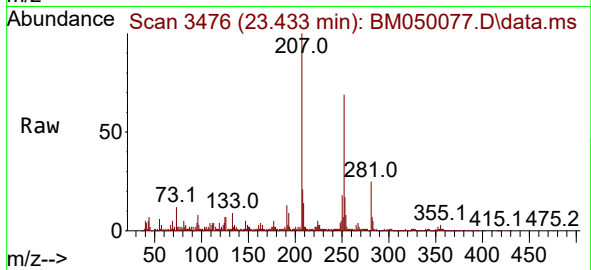
Tgt Ion:264 Resp: 1346752  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.8 28.2  
 265 22.7 17.0 25.4





#88  
 Benzo(b)fluoranthene  
 Concen: 2.543 ng  
 RT: 23.433 min Scan# 34  
 Delta R.T. -0.017 min  
 Lab File: BM050077.D  
 Acq: 01 May 2025 23:15

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-6



Tgt Ion:252 Resp: 222746  
 Ion Ratio Lower Upper  
 252 100  
 253 24.7 17.7 26.5  
 125 9.5 6.1 9.1#

