

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071525\  
 Data File : BM050451.D  
 Acq On : 15 Jul 2025 12:10  
 Operator : RC/JU  
 Sample : Q2489-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G2(6-12)

Quant Time: Jul 15 12:55:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM070925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 08 18:32:25 2025  
 Response via : Initial Calibration

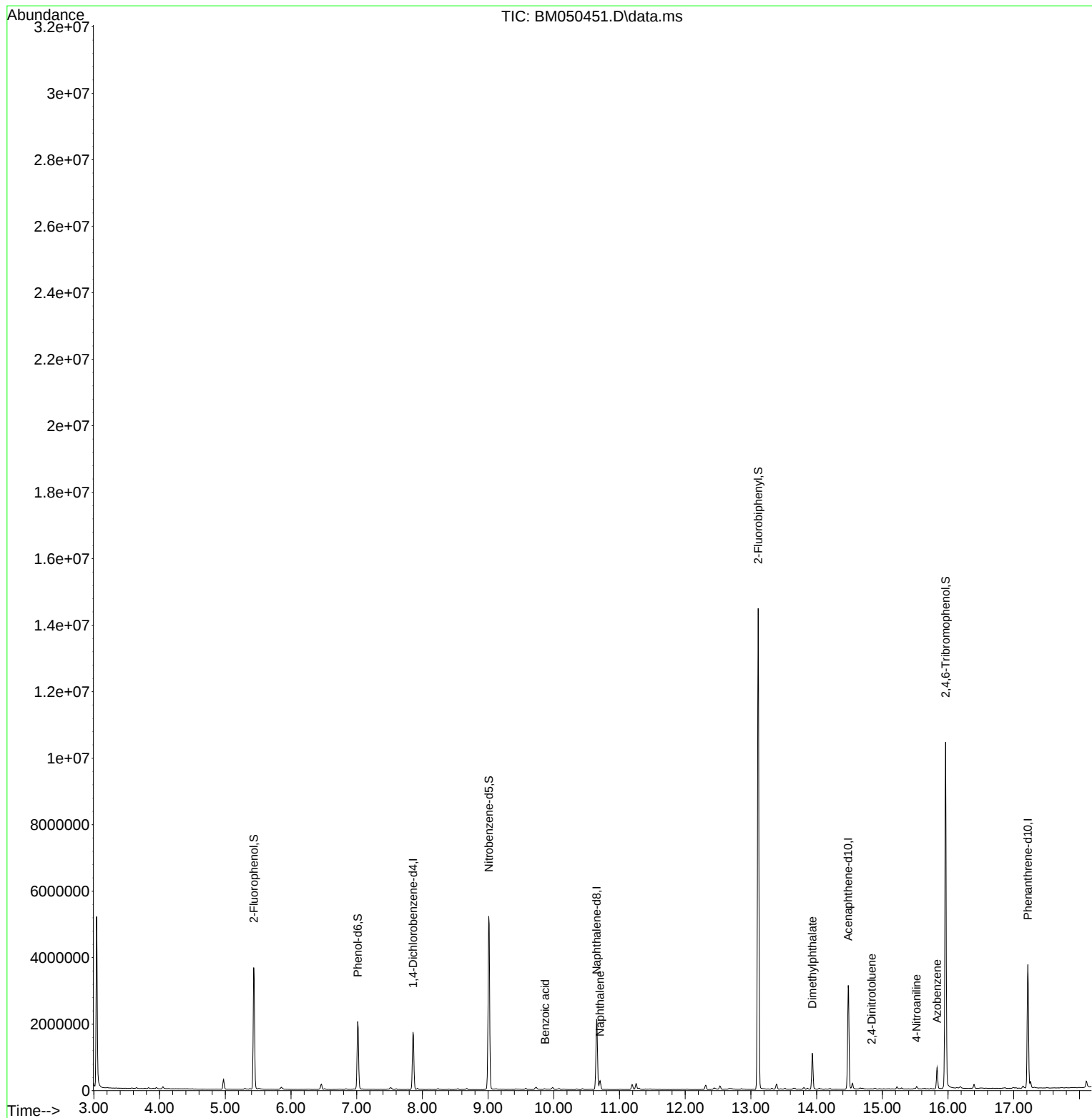
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.857  | 152  | 491189   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.651 | 136  | 1785204  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.480 | 164  | 1129360  | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.215 | 188  | 2268318  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.433 | 240  | 2383036  | 20.000  | ng    | -0.02    |
| 86) Perylene-d12            | 24.462 | 264  | 2558932  | 20.000  | ng    | -0.04    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.434  | 112  | 1560429  | 54.684  | ng    | 0.00     |
| 7) Phenol-d6                | 7.016  | 99   | 1125435  | 31.286  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.010  | 82   | 2957069  | 84.508  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.962 | 330  | 1987550  | 144.846 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.110 | 172  | 7510632  | 82.127  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.827 | 244  | 11933627 | 88.109  | ng    | -0.02    |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 10.704 | 128  | 205983   | 2.272   | ng    | 99       |
| 32) Benzoic acid            | 9.869  | 122  | 7177     | 6.352   | ng    | 93       |
| 50) Dimethylphthalate       | 13.933 | 163  | 726536   | 9.344   | ng    | 99       |
| 57) 2,4-Dinitrotoluene      | 14.839 | 165  | 949      | 2.764   | ng    | # 69     |
| 62) 4-Nitroaniline          | 15.521 | 138  | 504      | 2.613   | ng    | 91       |
| 63) Azobenzene              | 15.833 | 77   | 170671   | 2.502   | ng    | # 1      |
| -----                       |        |      |          |         |       |          |

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

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Sample : Q2489-06  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

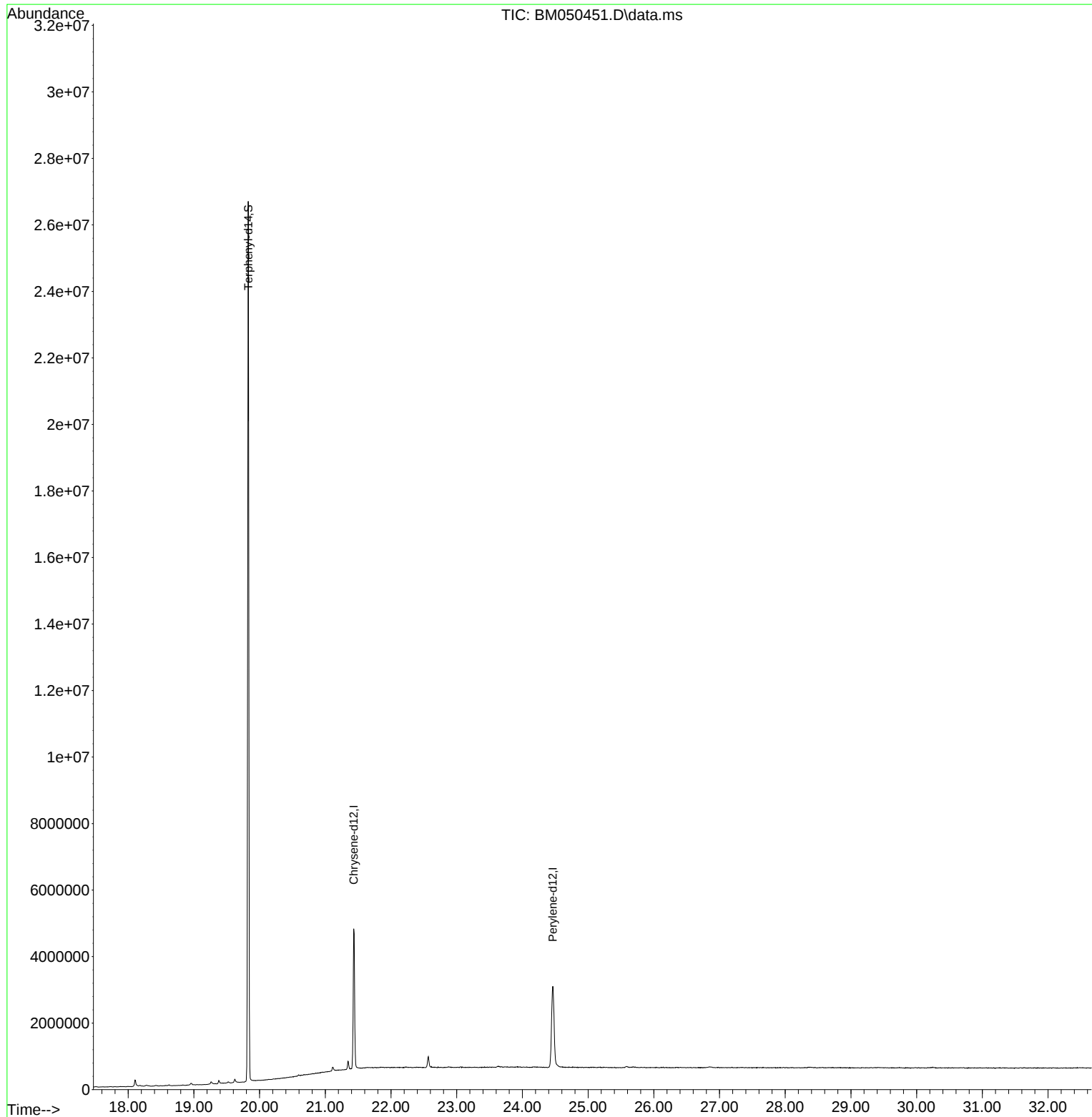
Quant Time: Jul 15 12:55:46 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM070925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 08 18:32:25 2025  
Response via : Initial Calibration

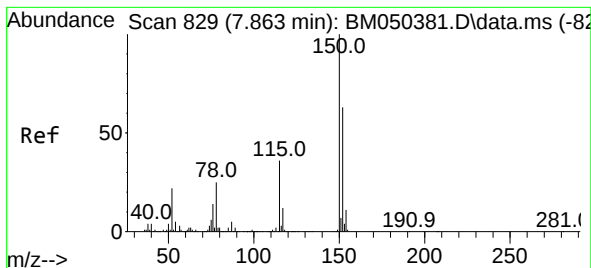


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071525\  
Data File : BM050451.D  
Acq On : 15 Jul 2025 12:10  
Operator : RC/JU  
Sample : Q2489-06  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

Quant Time: Jul 15 12:55:46 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM070925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 08 18:32:25 2025  
Response via : Initial Calibration

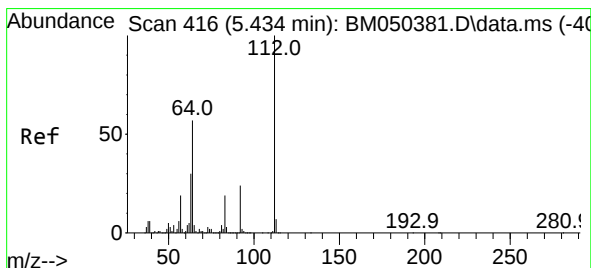
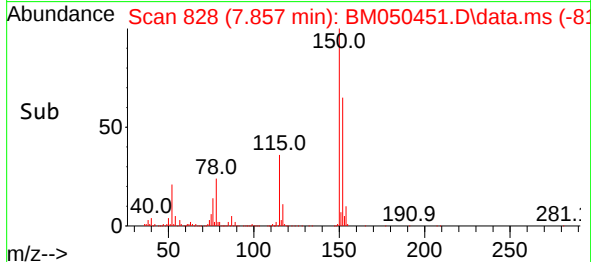
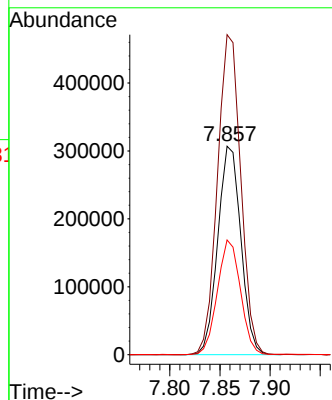
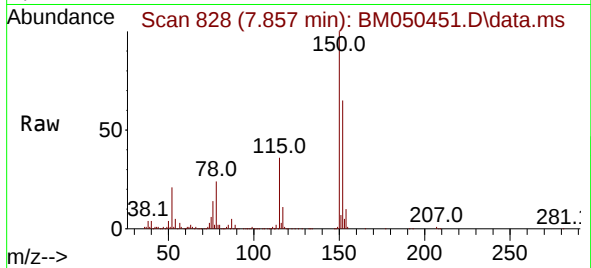




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.857 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BM050451.D  
 Acq: 15 Jul 2025 12:10

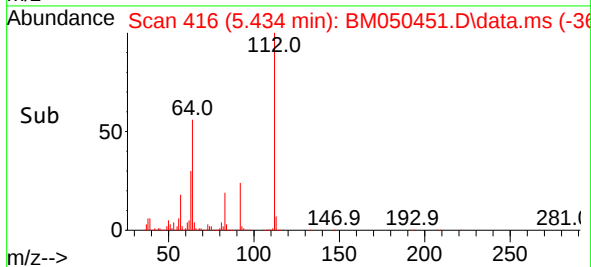
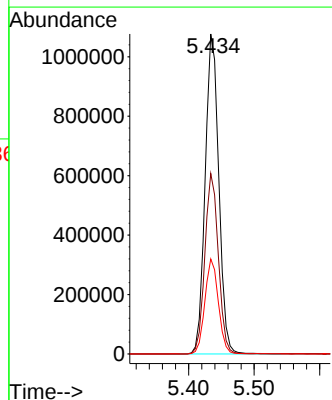
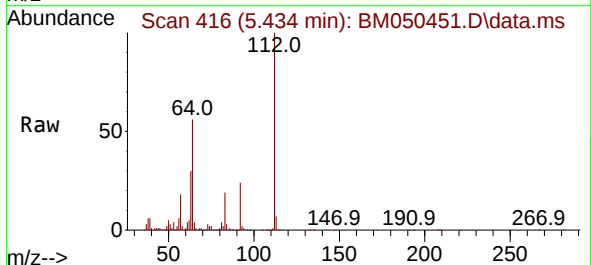
Instrument :  
 BNA\_M  
 ClientSampleId :  
 G2(6-12)

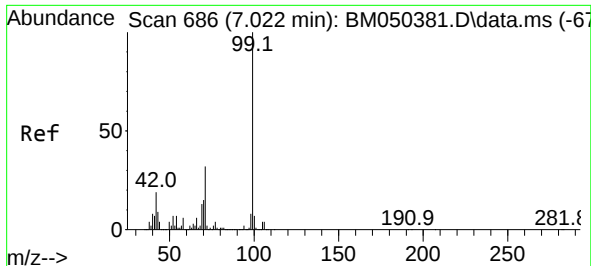
Tgt Ion:152 Resp: 491189  
 Ion Ratio Lower Upper  
 152 100  
 150 153.5 126.2 189.4  
 115 55.0 45.8 68.8



#5  
 2-Fluorophenol  
 Concen: 54.684 ng  
 RT: 5.434 min Scan# 416  
 Delta R.T. 0.000 min  
 Lab File: BM050451.D  
 Acq: 15 Jul 2025 12:10

Tgt Ion:112 Resp: 1560429  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 45.5 68.3  
 63 29.7 24.2 36.4

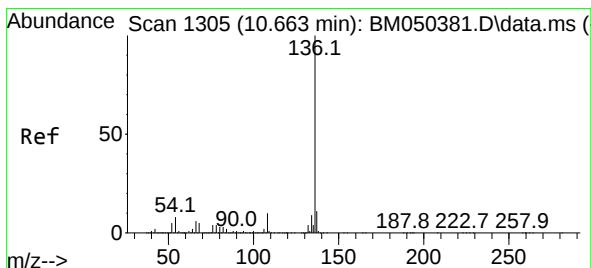
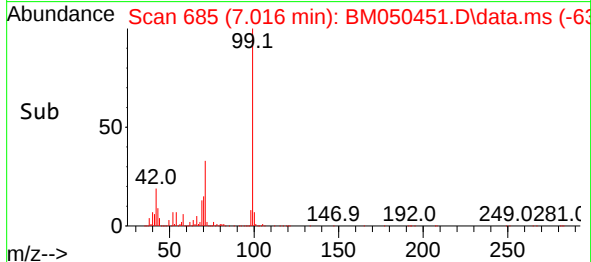
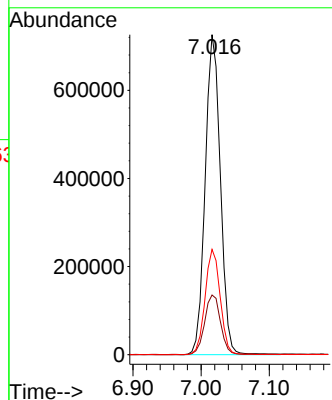
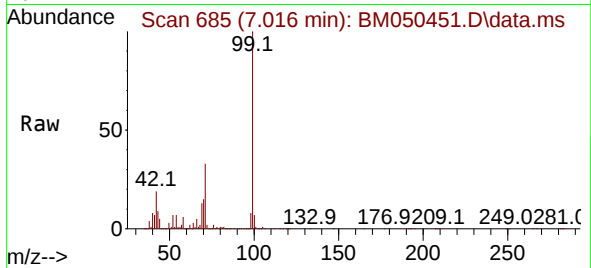




#7  
Phenol-d6  
Concen: 31.286 ng  
RT: 7.016 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

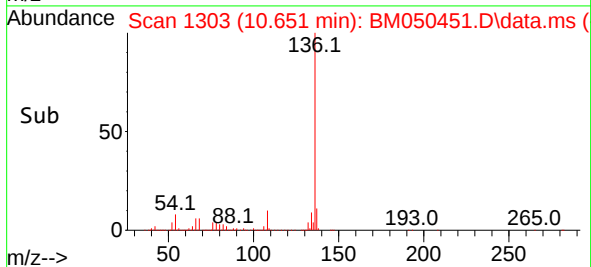
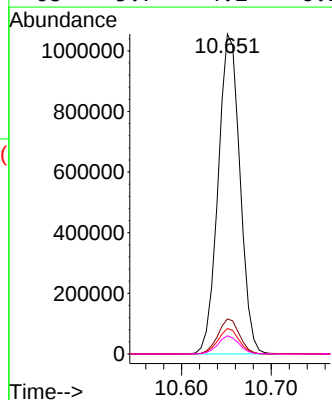
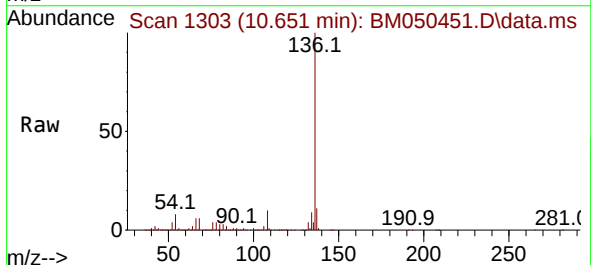
Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

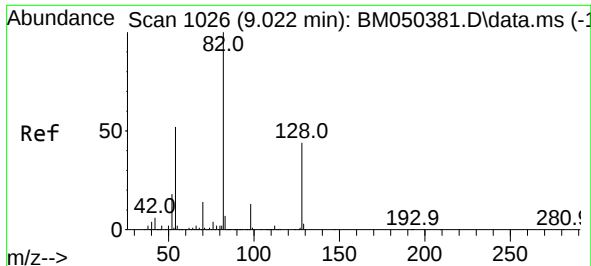
Tgt Ion: 99 Resp: 1125435  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.6  
71 32.9 25.9 38.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.651 min Scan# 1303  
Delta R.T. -0.012 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

Tgt Ion: 136 Resp: 1785204  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 8.0 6.3 9.5  
68 5.7 4.2 6.2

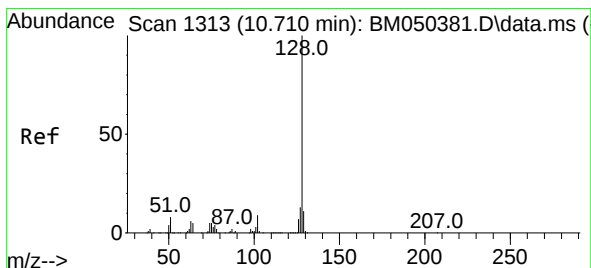
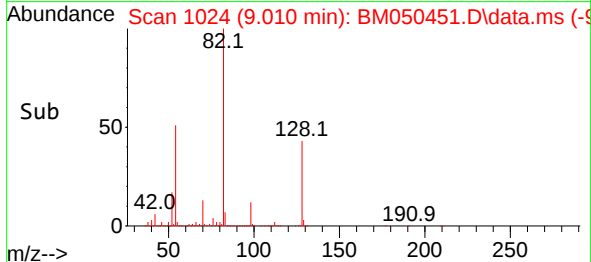
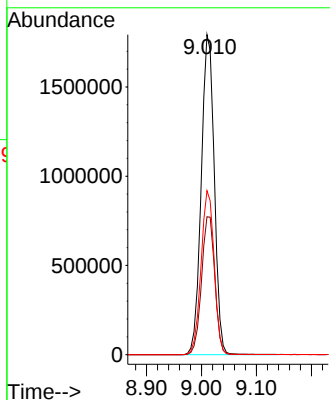
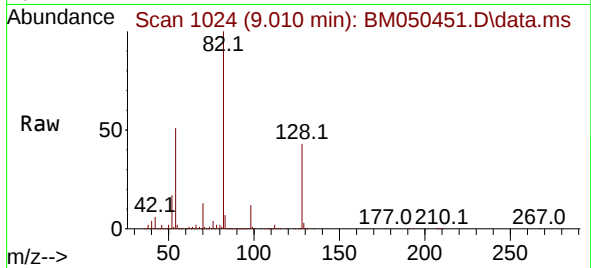




#23  
Nitrobenzene-d5  
Concen: 84.508 ng  
RT: 9.010 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

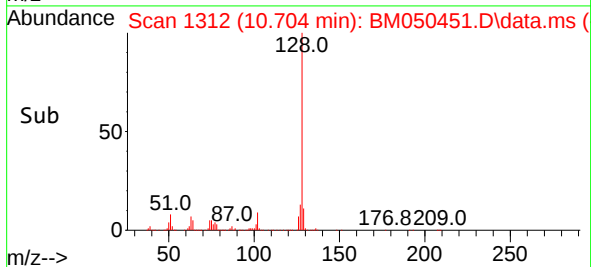
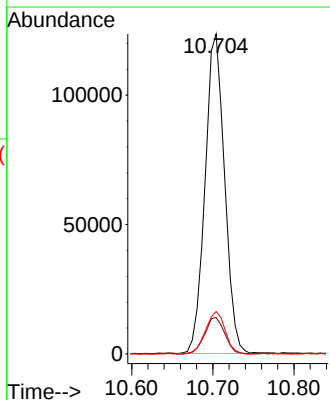
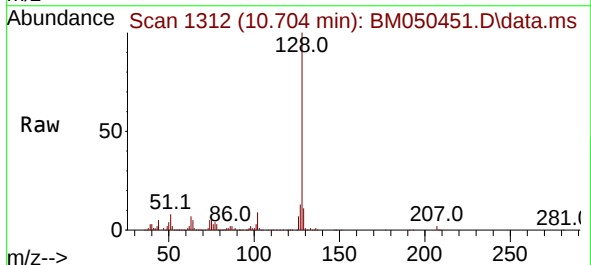
Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

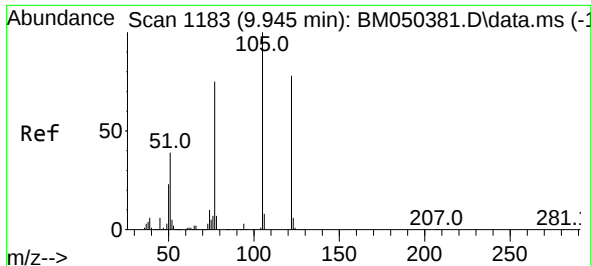
Tgt Ion: 82 Resp: 2957069  
Ion Ratio Lower Upper  
82 100  
128 43.1 35.2 52.8  
54 51.3 41.5 62.3



#31  
Naphthalene  
Concen: 2.272 ng  
RT: 10.704 min Scan# 1312  
Delta R.T. -0.006 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

Tgt Ion: 128 Resp: 205983  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.8 13.2  
127 13.3 10.4 15.6





#32

Benzoic acid

Concen: 6.352 ng

RT: 9.869 min Scan# 1183

Delta R.T. -0.076 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Instrument :

BNA\_M

ClientSampleId :

G2(6-12)

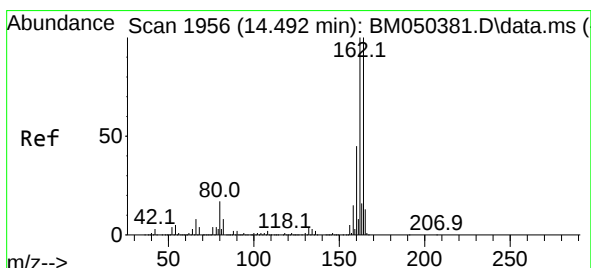
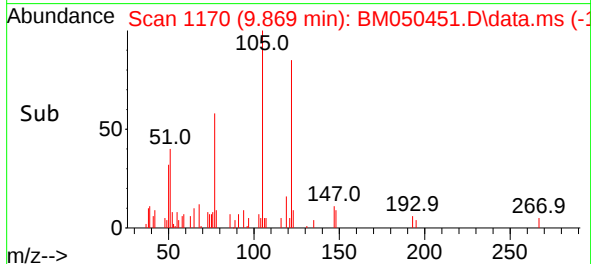
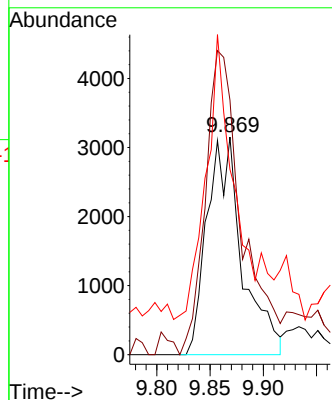
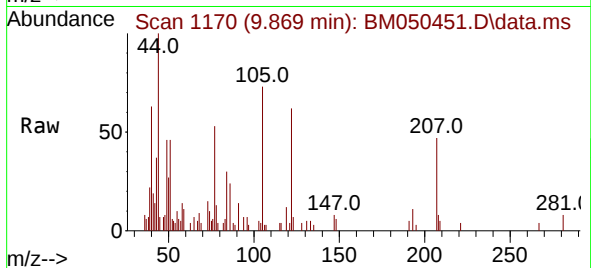
Tgt Ion:122 Resp: 7177

Ion Ratio Lower Upper

122 100

105 117.0 104.0 144.0

77 85.2 73.8 113.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1954

Delta R.T. -0.012 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

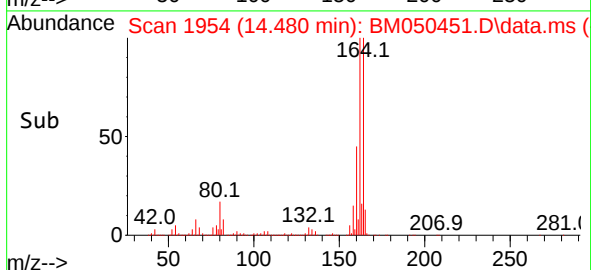
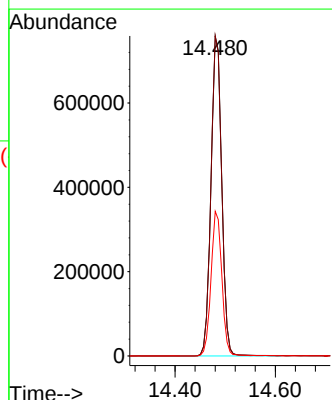
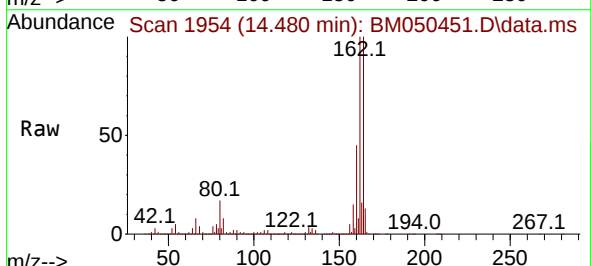
Tgt Ion:164 Resp: 1129360

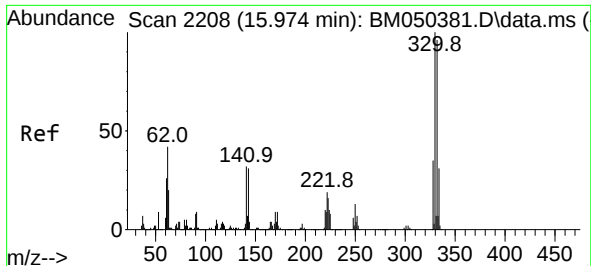
Ion Ratio Lower Upper

164 100

162 100.1 79.9 119.9

160 45.3 36.2 54.4

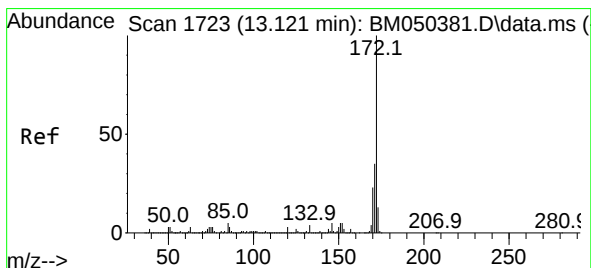
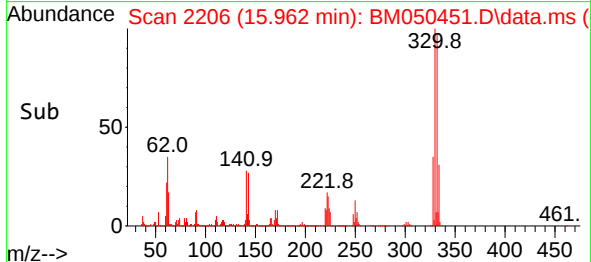
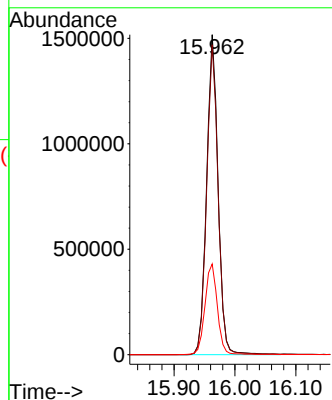
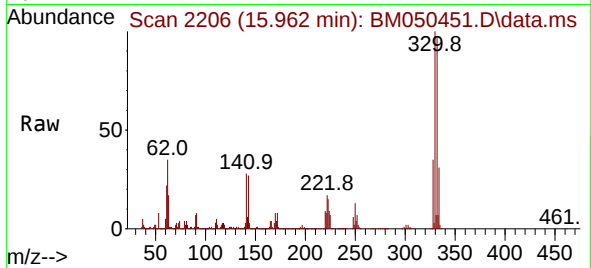




#42  
2,4,6-Tribromophenol  
Concen: 144.846 ng  
RT: 15.962 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

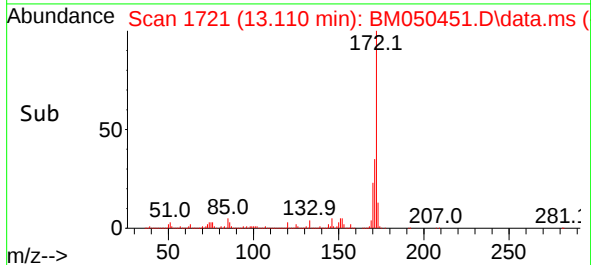
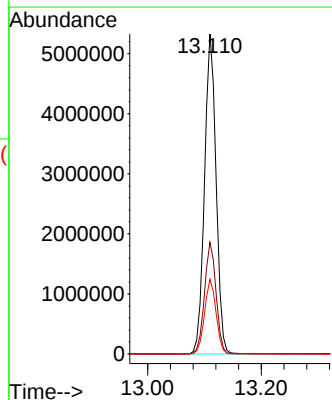
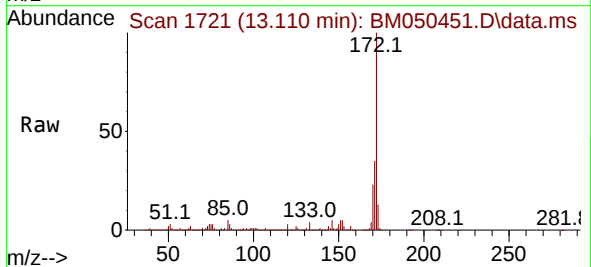
Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

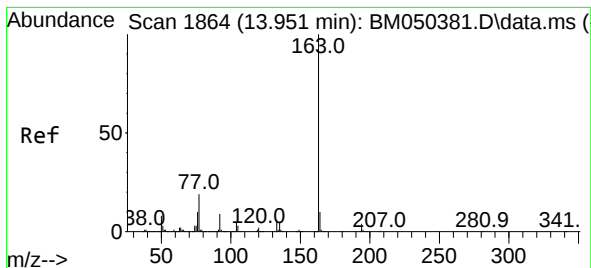
Tgt Ion:330 Resp: 1987550  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.9 115.3  
141 30.8 27.4 41.0



#45  
2-Fluorobiphenyl  
Concen: 82.127 ng  
RT: 13.110 min Scan# 1721  
Delta R.T. -0.012 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

Tgt Ion:172 Resp: 7510632  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.7 41.5  
170 23.3 18.8 28.2





#50

Dimethylphthalate

Concen: 9.344 ng

RT: 13.933 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Instrument :

BNA\_M

ClientSampleId :

G2(6-12)

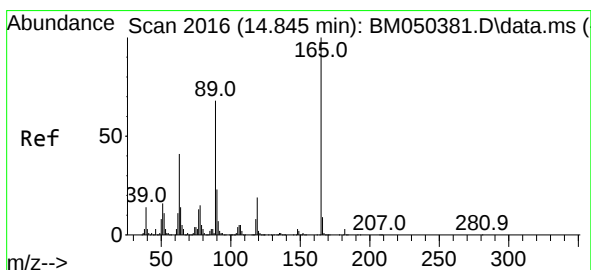
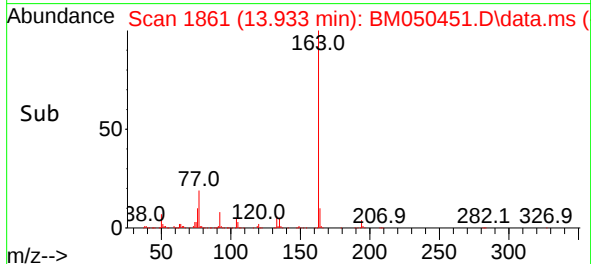
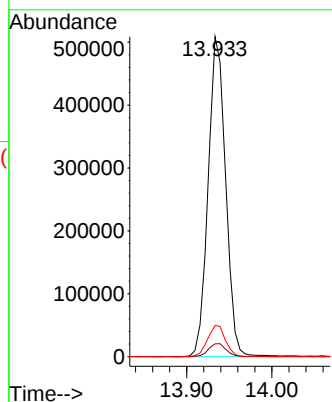
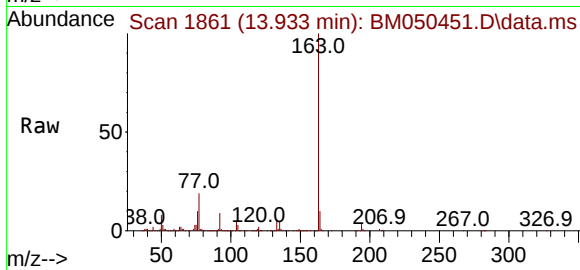
Tgt Ion:163 Resp: 726536

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

164 9.7 8.2 12.2



#57

2,4-Dinitrotoluene

Concen: 2.764 ng

RT: 14.839 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Tgt Ion:165 Resp: 949

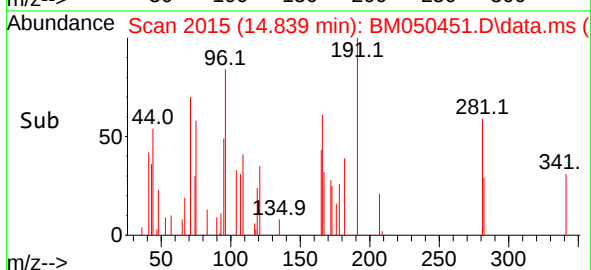
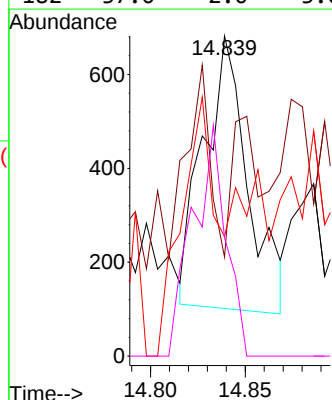
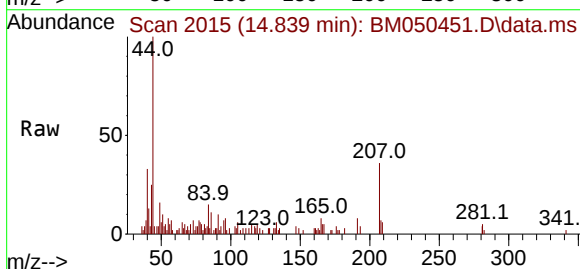
Ion Ratio Lower Upper

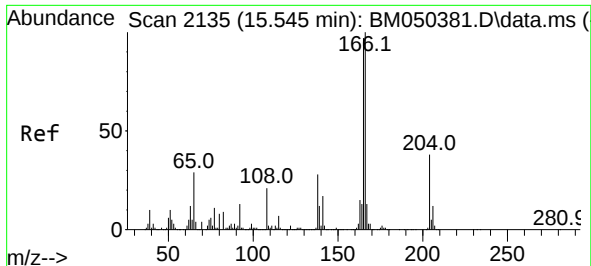
165 100

63 30.9 32.5 48.7#

89 37.4 54.0 81.0#

182 37.0 2.0 3.0#

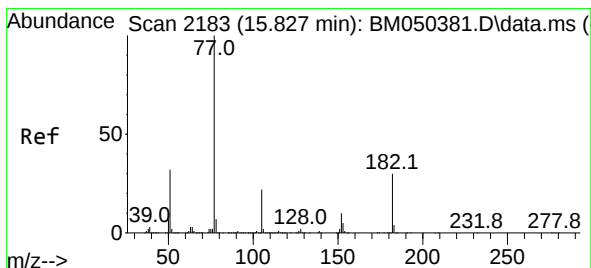
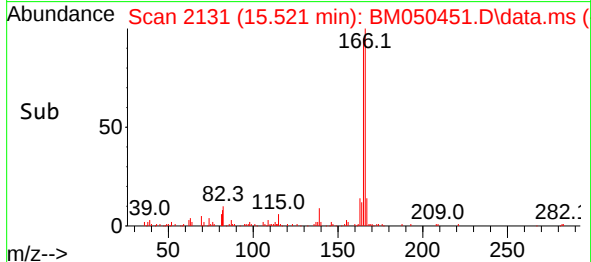
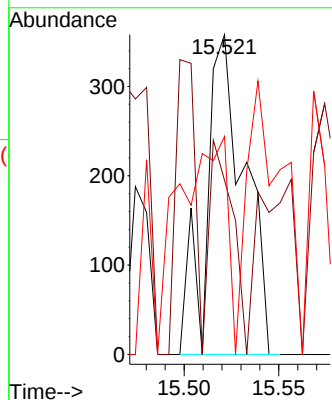
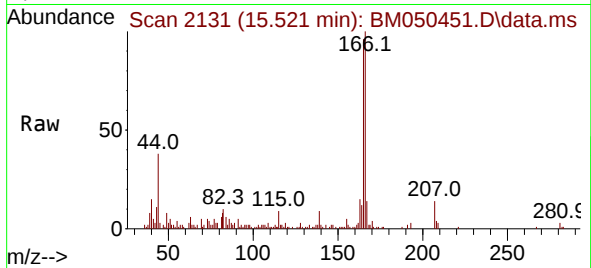




#62  
4-Nitroaniline  
Concen: 2.613 ng  
RT: 15.521 min Scan# 2135  
Delta R.T. -0.024 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

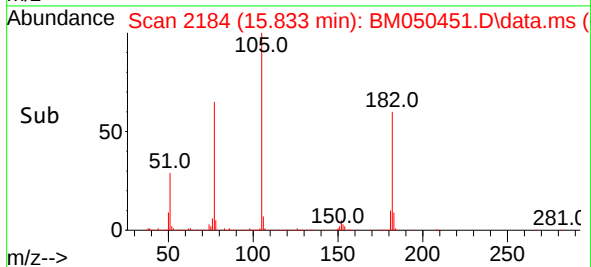
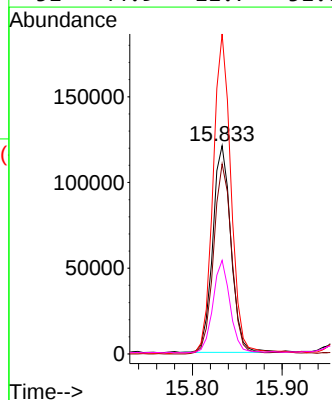
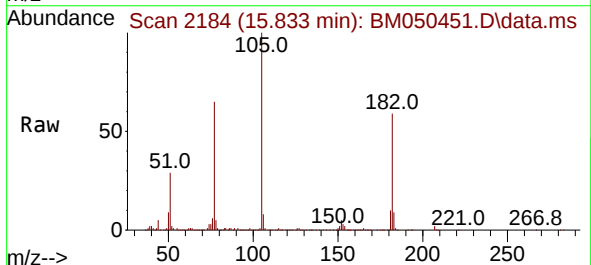
Instrument :  
BNA\_M  
ClientSampleId :  
G2(6-12)

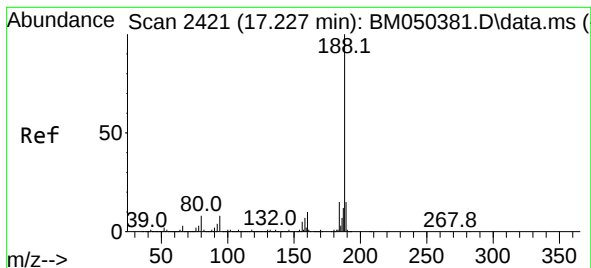
Tgt Ion:138 Resp: 504  
Ion Ratio Lower Upper  
138 100  
92 54.5 24.5 64.5  
108 68.2 52.5 92.5



#63  
Azobenzene  
Concen: 2.502 ng  
RT: 15.833 min Scan# 2184  
Delta R.T. 0.006 min  
Lab File: BM050451.D  
Acq: 15 Jul 2025 12:10

Tgt Ion: 77 Resp: 170671  
Ion Ratio Lower Upper  
77 100  
182 91.3 10.0 50.0#  
105 153.6 2.0 42.0#  
51 44.9 11.7 51.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Instrument :

BNA\_M

ClientSampleId :

G2(6-12)

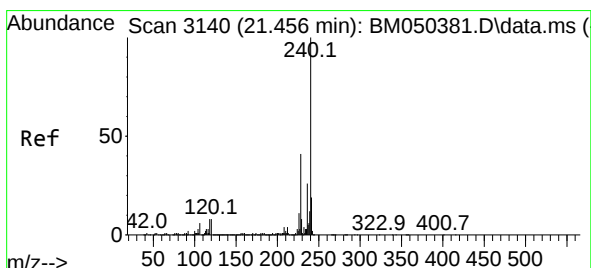
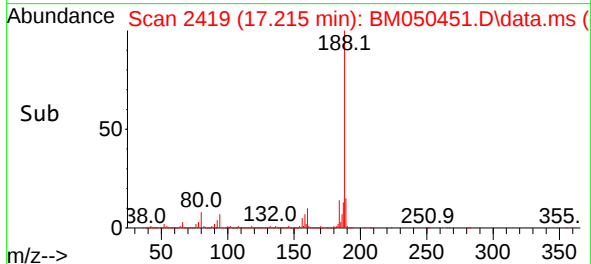
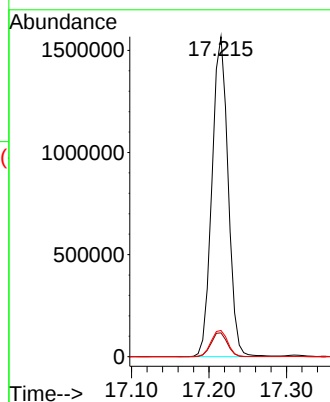
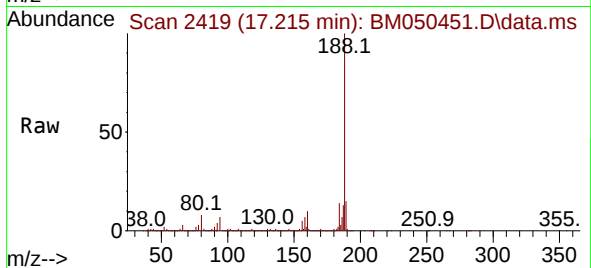
Tgt Ion:188 Resp: 2268318

Ion Ratio Lower Upper

188 100

94 7.4 6.0 9.0

80 8.2 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.023 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

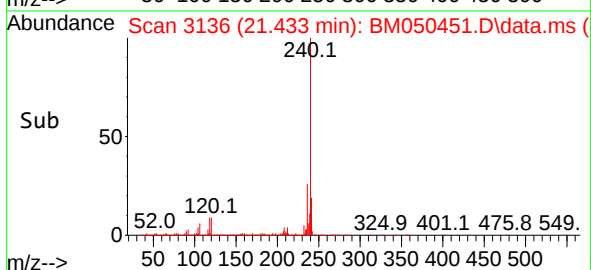
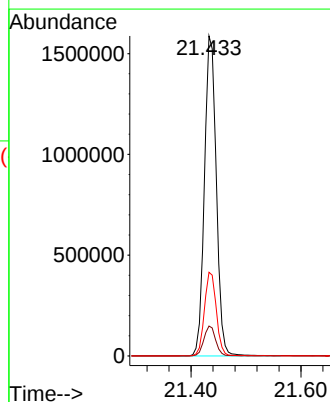
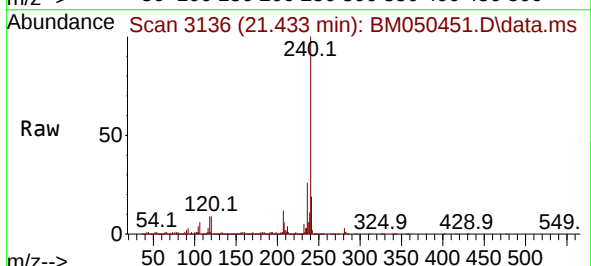
Tgt Ion:240 Resp: 2383036

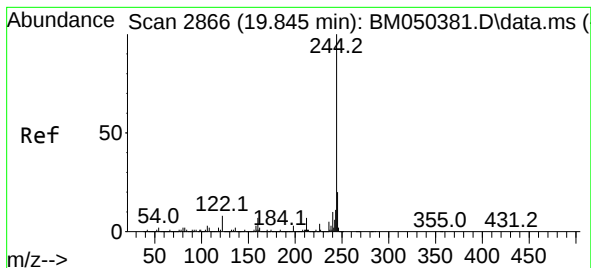
Ion Ratio Lower Upper

240 100

120 9.4 6.7 10.1

236 26.2 20.7 31.1





#79

Terphenyl-d14

Concen: 88.109 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Instrument :

BNA\_M

ClientSampleId :

G2(6-12)

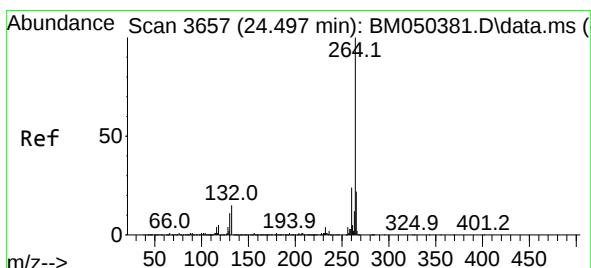
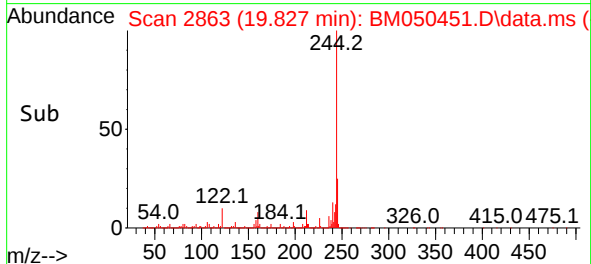
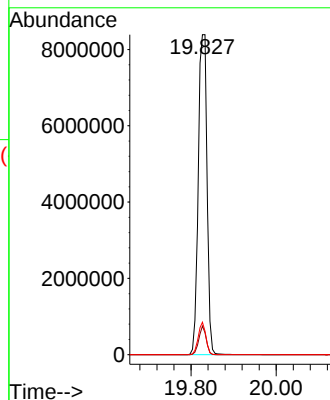
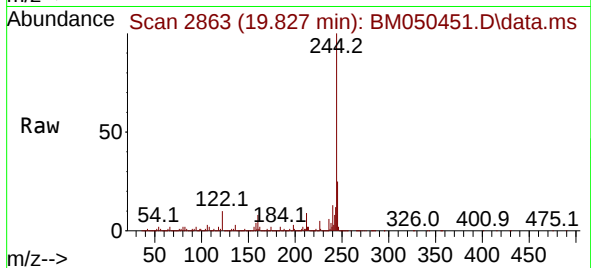
Tgt Ion:244 Resp:11933627

Ion Ratio Lower Upper

244 100

212 8.9 5.7 8.5#

122 10.2 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3651

Delta R.T. -0.035 min

Lab File: BM050451.D

Acq: 15 Jul 2025 12:10

Tgt Ion:264 Resp: 2558932

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.2 17.8 26.6

