

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040725\  
 Data File : BM049842.D  
 Acq On : 07 Apr 2025 16:41  
 Operator : RC/JU  
 Sample : Q1737-01 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT3069

Quant Time: Apr 07 18:16:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 14:55:34 2025  
 Response via : Initial Calibration

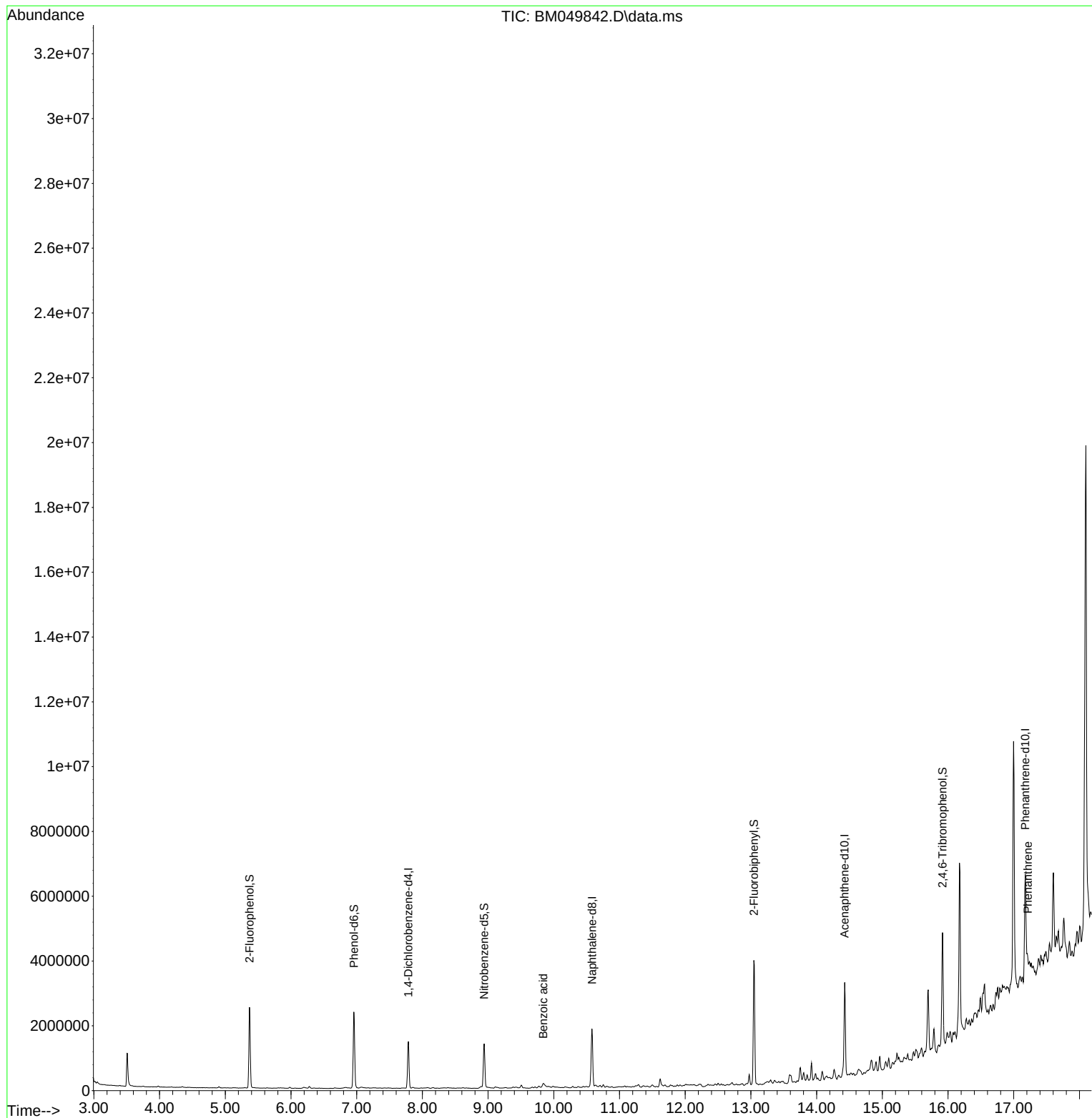
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.787  | 152  | 427873   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.580 | 136  | 1486879  | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.427 | 164  | 970287   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.174 | 188  | 1836464  | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 21.409 | 240  | 1908906  | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 24.421 | 264  | 2146537  | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1120940  | 44.204 | ng    | -0.02    |
| 7) Phenol-d6                  | 6.957  | 99   | 1363221  | 42.838 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.939  | 82   | 787595   | 27.196 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.915 | 330  | 694036   | 61.256 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.045 | 172  | 2107892  | 27.207 | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.797 | 244  | 3079497  | 27.185 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid              | 9.839  | 122  | 130312m  | 10.357 | ng    |          |
| 71) Phenanthrene              | 17.215 | 178  | 246078   | 2.413  | ng    | # 88     |
| 75) Fluoranthene              | 19.233 | 202  | 434655   | 3.702  | ng    | 92       |
| 78) Pyrene                    | 19.592 | 202  | 616815   | 4.625  | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.392 | 228  | 274837   | 2.156  | ng    | # 92     |
| 83) Chrysene                  | 21.450 | 228  | 322810   | 2.671  | ng    | # 93     |
| 84) Bis(2-ethylhexyl)phtha... | 21.315 | 149  | 344225   | 5.337  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.474 | 252  | 340221   | 2.353  | ng    | # 81     |
| -----                         |        |      |          |        |       |          |

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

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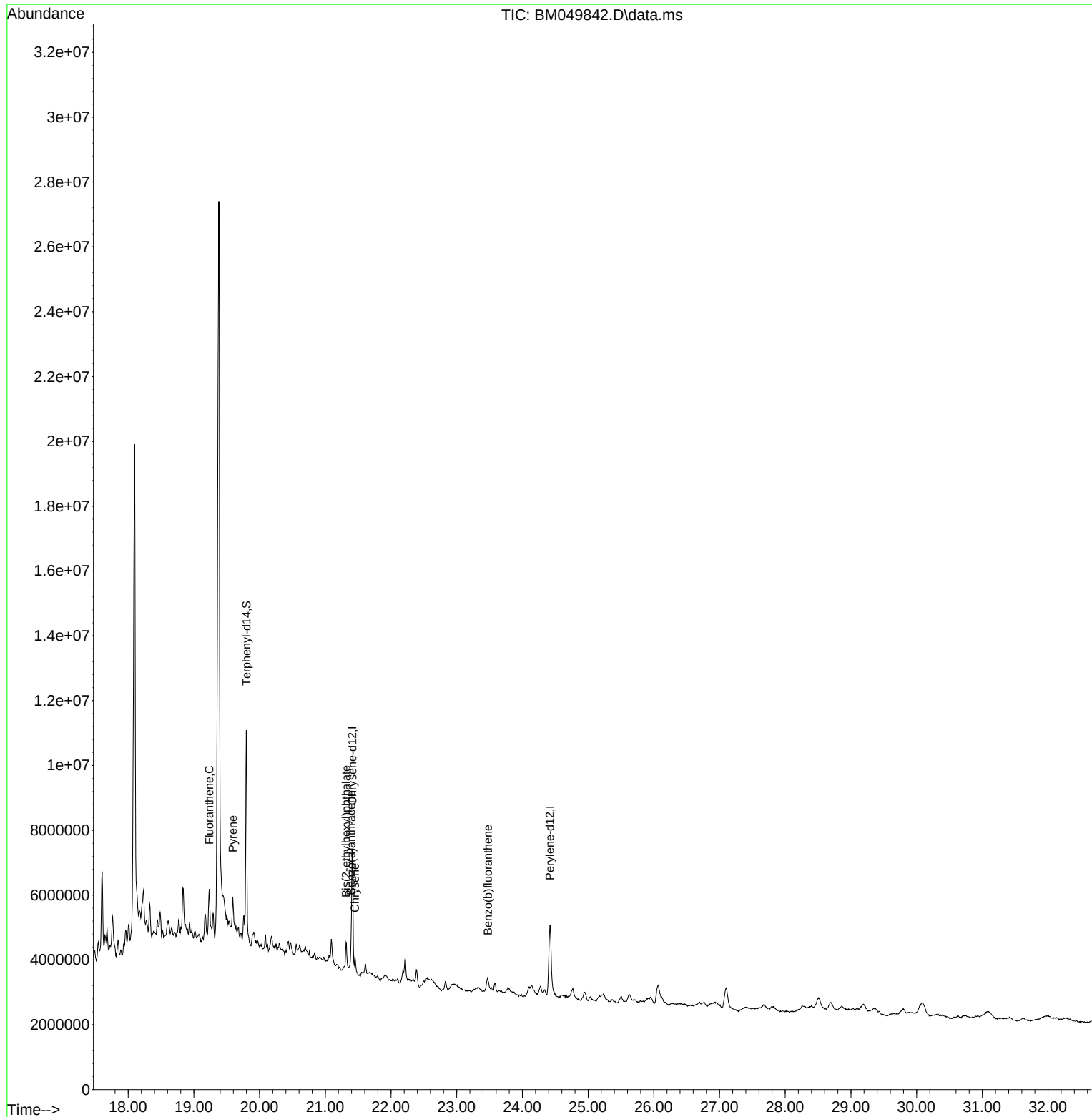
Quant Time: Apr 07 18:16:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 14:55:34 2025  
Response via : Initial Calibration

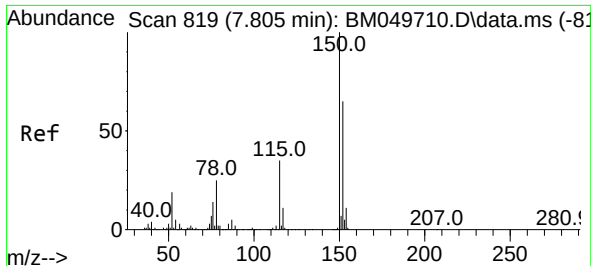


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040725\  
Data File : BM049842.D  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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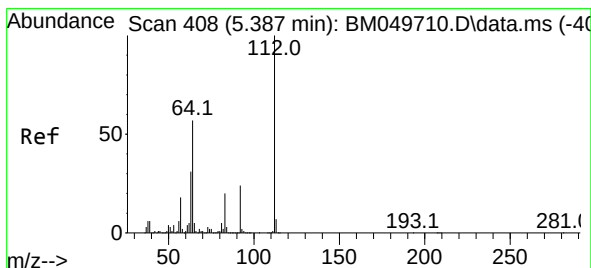
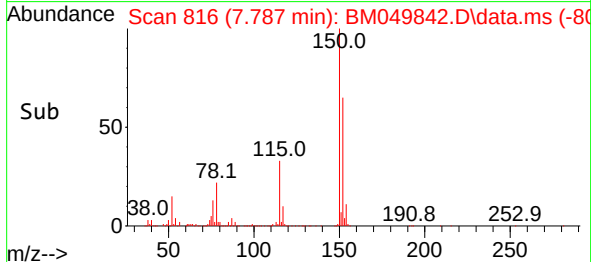
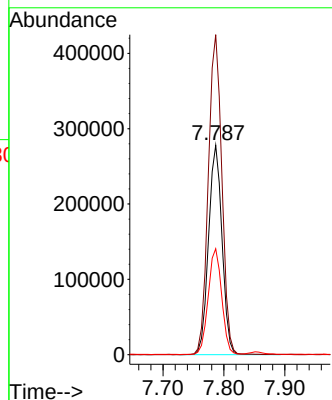
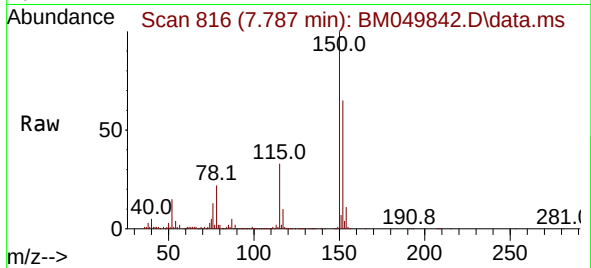




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.787 min Scan# 819  
 Delta R.T. -0.018 min  
 Lab File: BM049842.D  
 Acq: 07 Apr 2025 16:41

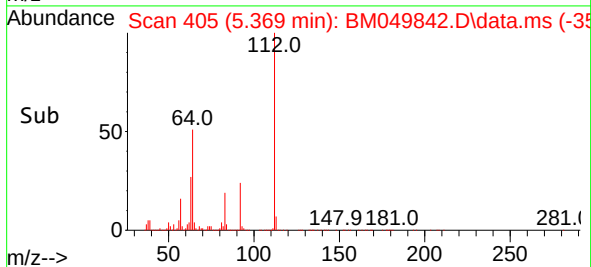
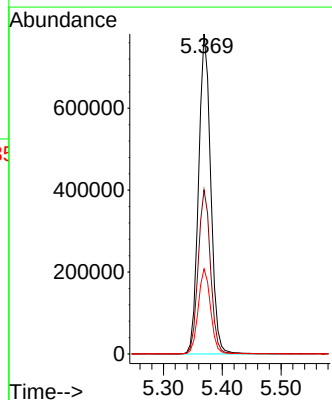
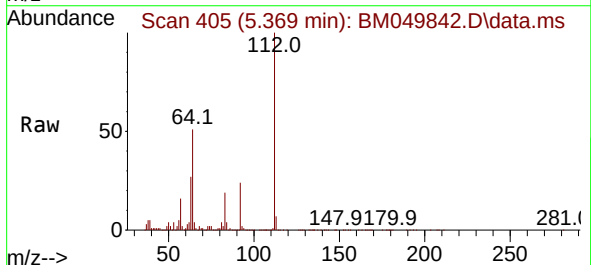
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT3069

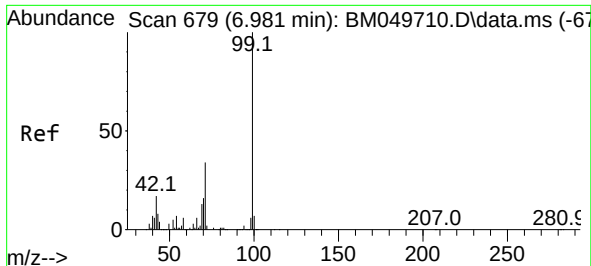
Tgt Ion:152 Resp: 427873  
 Ion Ratio Lower Upper  
 152 100  
 150 152.8 123.8 185.8  
 115 50.6 43.0 64.6



#5  
 2-Fluorophenol  
 Concen: 44.204 ng  
 RT: 5.369 min Scan# 405  
 Delta R.T. -0.018 min  
 Lab File: BM049842.D  
 Acq: 07 Apr 2025 16:41

Tgt Ion:112 Resp: 1120940  
 Ion Ratio Lower Upper  
 112 100  
 64 51.3 45.3 67.9  
 63 26.6 24.4 36.6



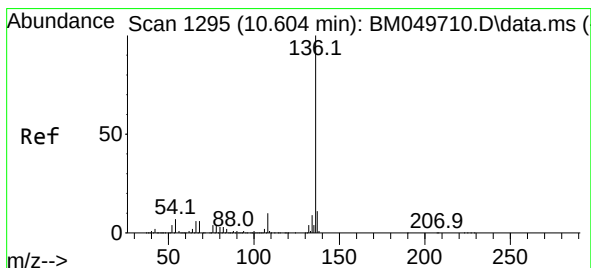
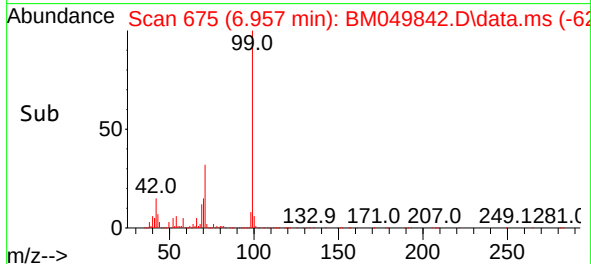
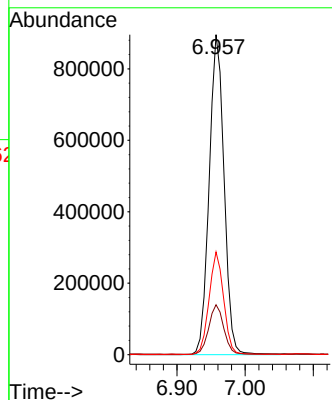
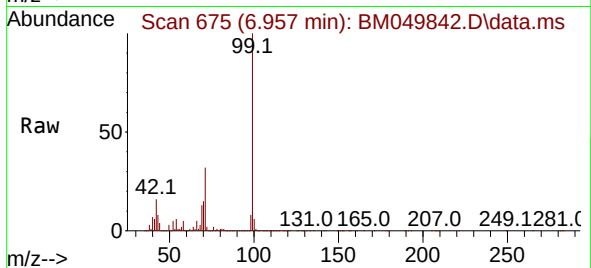


#7  
Phenol-d6  
Concen: 42.838 ng  
RT: 6.957 min Scan# 61  
Delta R.T. -0.024 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

Instrument :  
BNA\_M  
ClientSampleId :  
RT3069

Tgt Ion: 99 Resp: 1363221

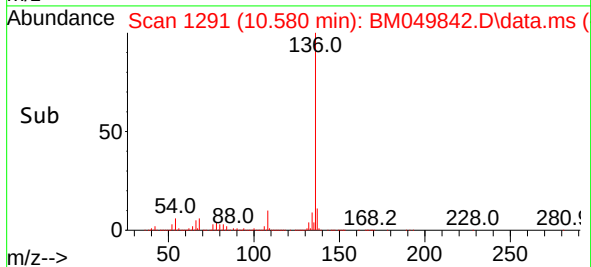
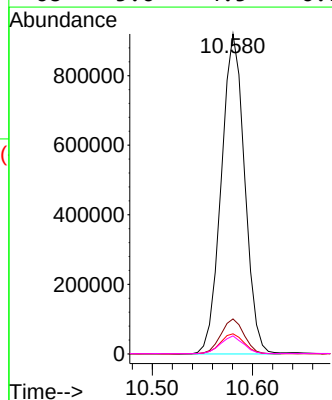
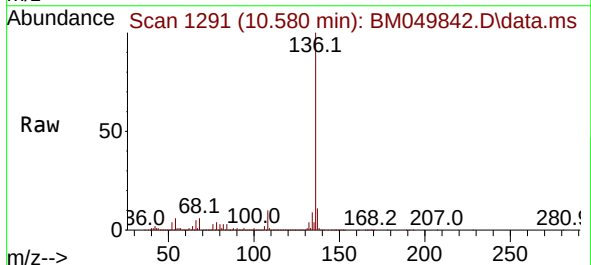
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.6  | 13.6  | 20.4  |
| 71  | 32.1  | 27.0  | 40.6  |

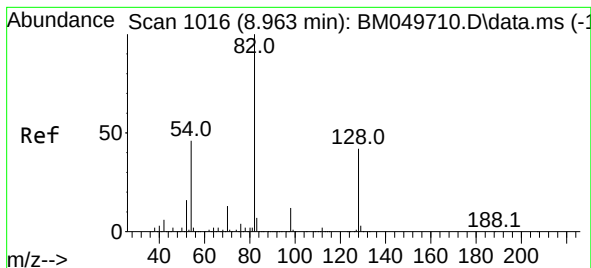


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.580 min Scan# 1291  
Delta R.T. -0.024 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

Tgt Ion: 136 Resp: 1486879

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 6.3   | 5.8   | 8.8   |
| 68  | 5.6   | 4.5   | 6.7   |





#23

Nitrobenzene-d5

Concen: 27.196 ng

RT: 8.939 min Scan# 1105

Delta R.T. -0.024 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069

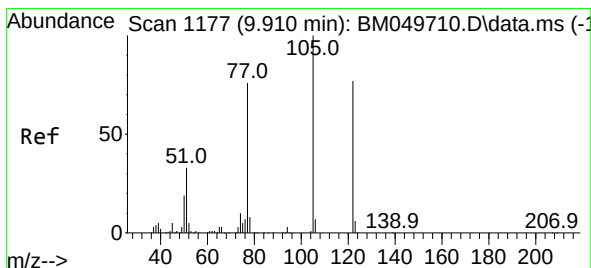
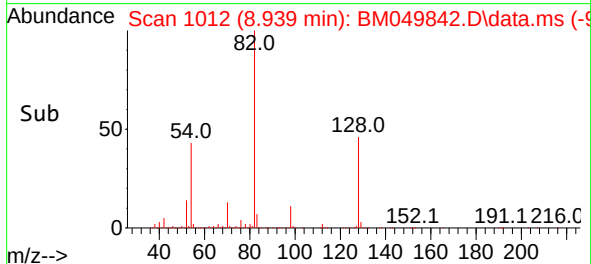
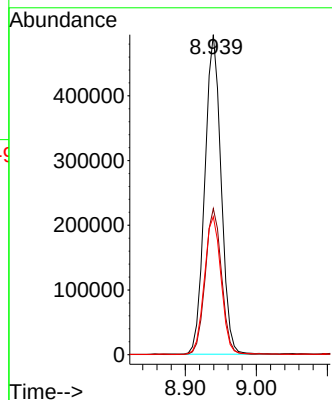
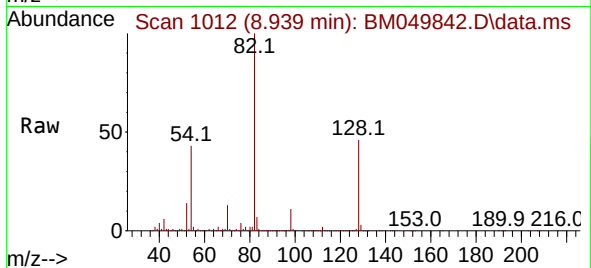
Tgt Ion: 82 Resp: 787595

Ion Ratio Lower Upper

82 100

128 45.7 33.4 50.0

54 43.1 36.4 54.6



#32

Benzoic acid

Concen: 10.357 ng m

RT: 9.839 min Scan# 1165

Delta R.T. -0.071 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

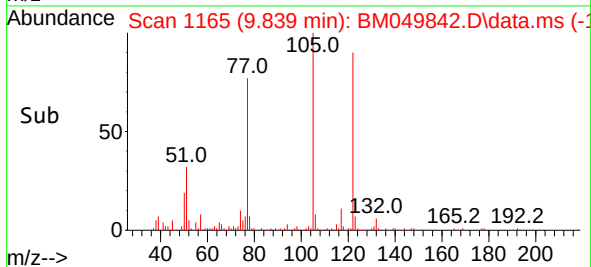
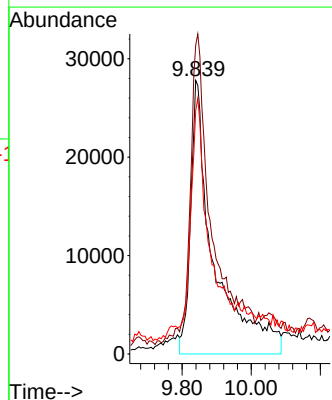
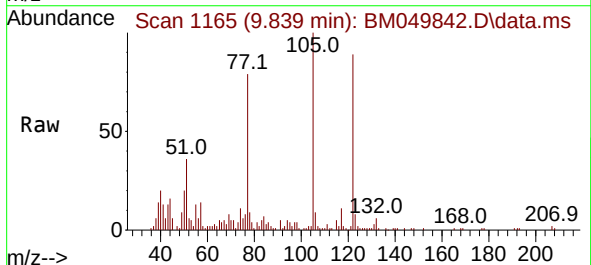
Tgt Ion:122 Resp: 130312

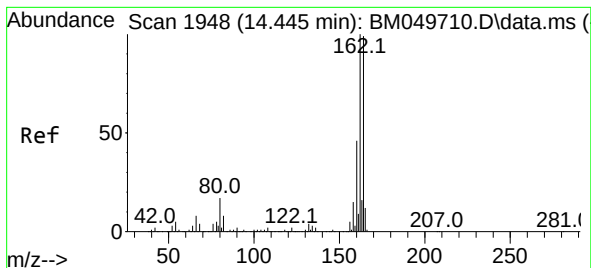
Ion Ratio Lower Upper

122 100

105 113.0 105.6 145.6

77 89.0 76.9 116.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

Delta R.T. -0.018 min

Lab File: BM049842.D

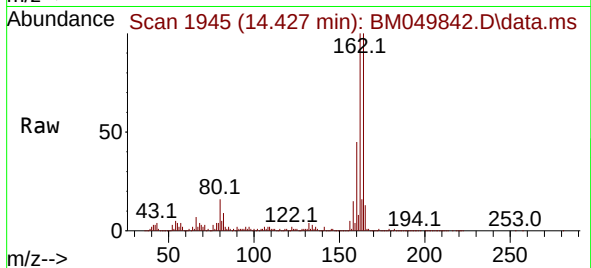
Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069



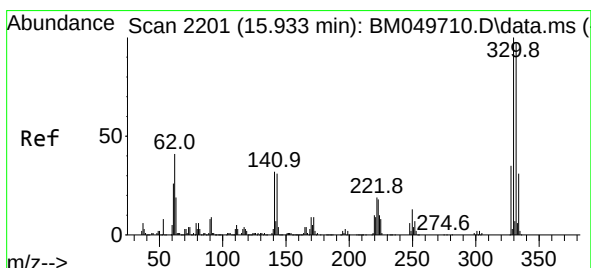
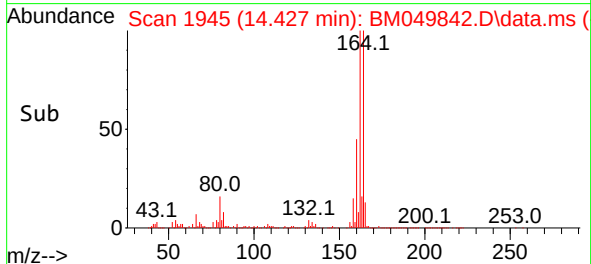
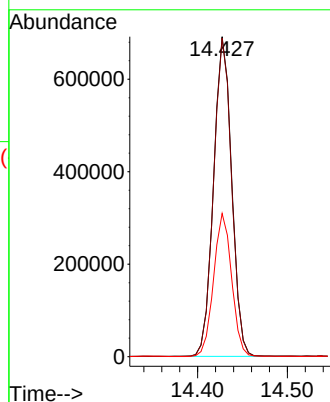
Tgt Ion:164 Resp: 970287

Ion Ratio Lower Upper

164 100

162 99.5 80.5 120.7

160 44.8 36.9 55.3



#42

2,4,6-Tribromophenol

Concen: 61.256 ng

RT: 15.915 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

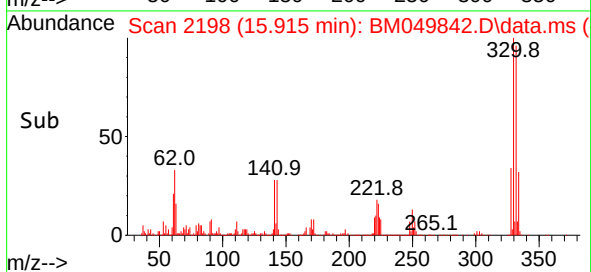
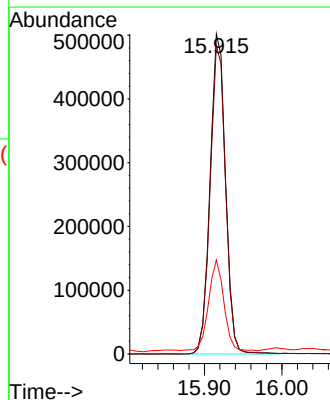
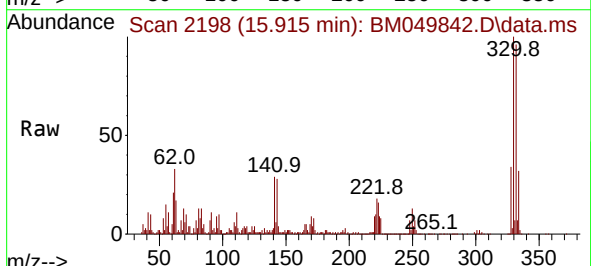
Tgt Ion:330 Resp: 694036

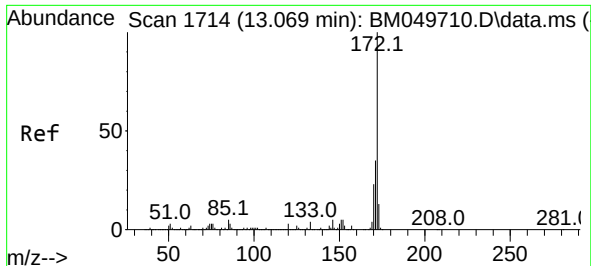
Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.4

141 28.3 27.8 41.6

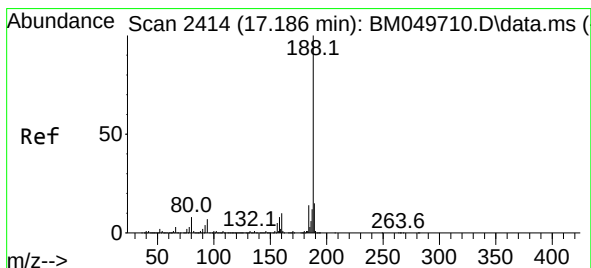
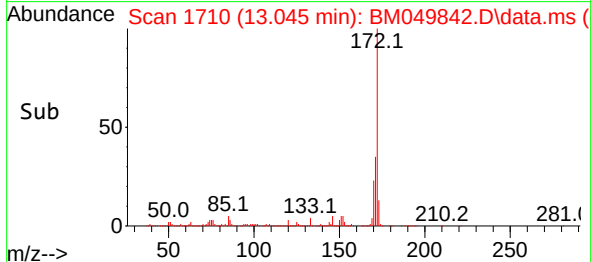
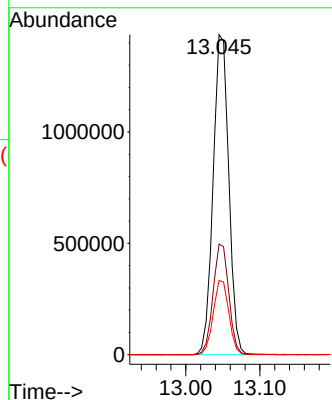
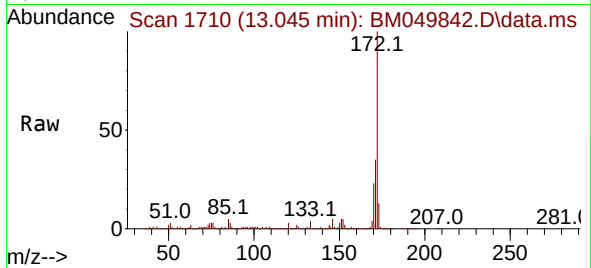




#45  
2-Fluorobiphenyl  
Concen: 27.207 ng  
RT: 13.045 min Scan# 1  
Delta R.T. -0.024 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

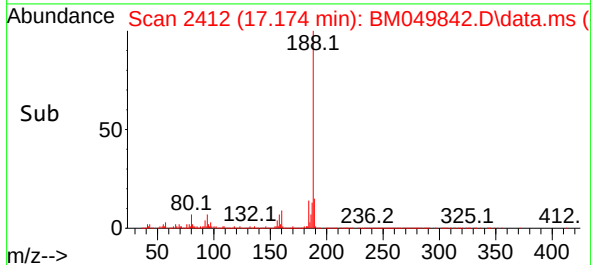
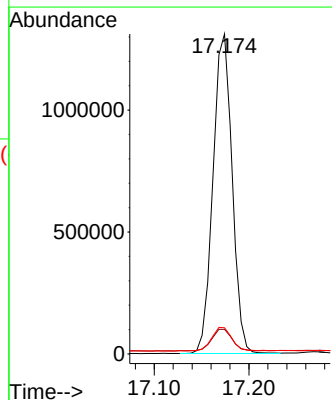
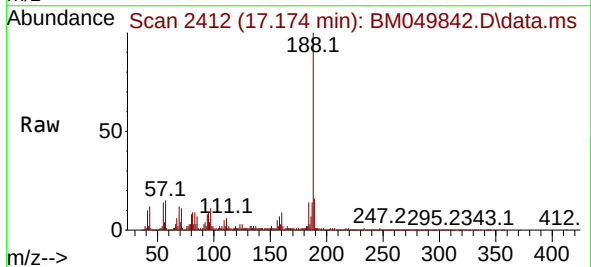
Instrument :  
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Tgt Ion:172 Resp: 2107892  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.9 41.9  
170 23.2 18.6 28.0

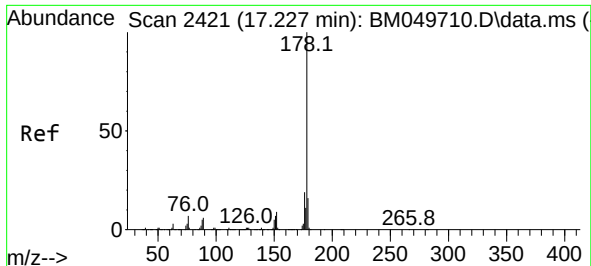


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.174 min Scan# 2412  
Delta R.T. -0.012 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

Tgt Ion:188 Resp: 1836464  
Ion Ratio Lower Upper  
188 100  
94 7.7 5.8 8.6  
80 8.2 6.3 9.5



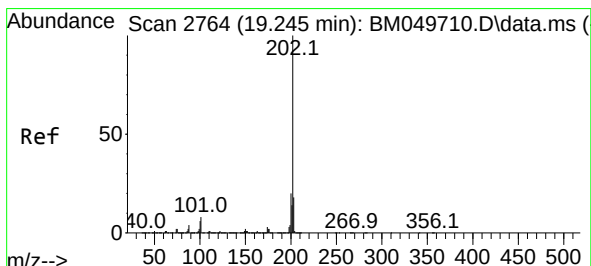
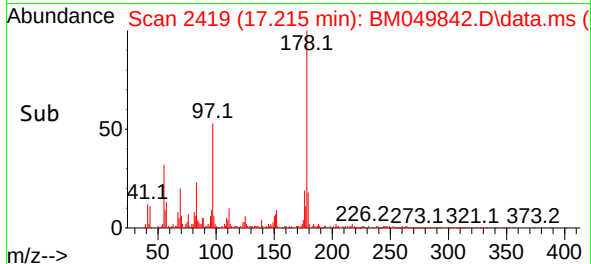
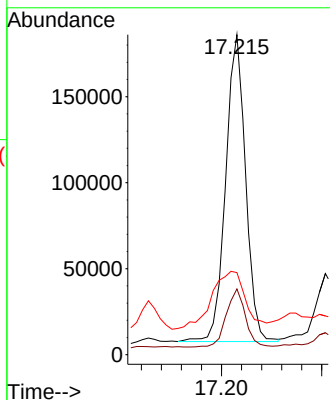
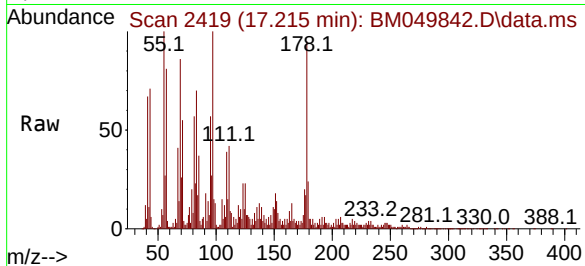




#71  
Phenanthrene  
Concen: 2.413 ng  
RT: 17.215 min Scan# 24  
Delta R.T. -0.012 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

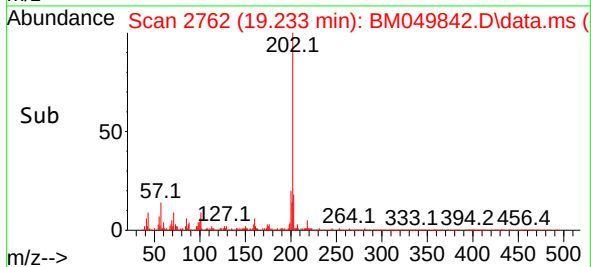
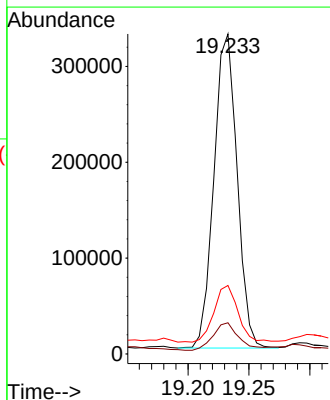
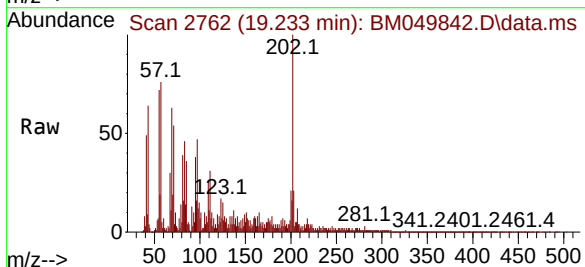
Instrument :  
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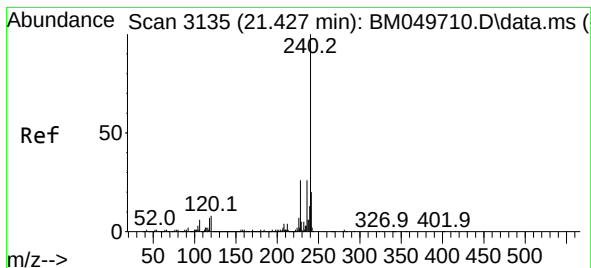
Tgt Ion:178 Resp: 246078  
Ion Ratio Lower Upper  
178 100  
176 20.6 15.5 23.3  
179 25.6 12.5 18.7#



#75  
Fluoranthene  
Concen: 3.702 ng  
RT: 19.233 min Scan# 2762  
Delta R.T. -0.012 min  
Lab File: BM049842.D  
Acq: 07 Apr 2025 16:41

Tgt Ion:202 Resp: 434655  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 27.8  
203 21.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069

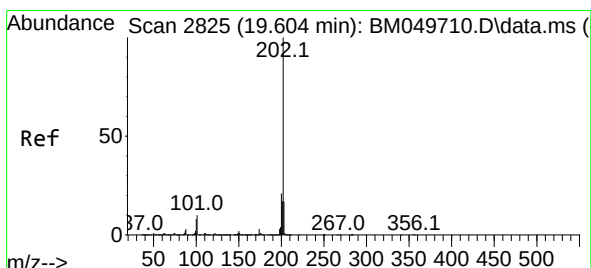
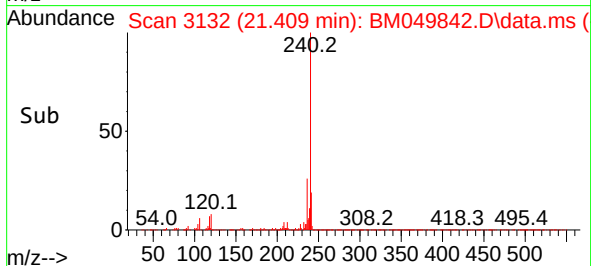
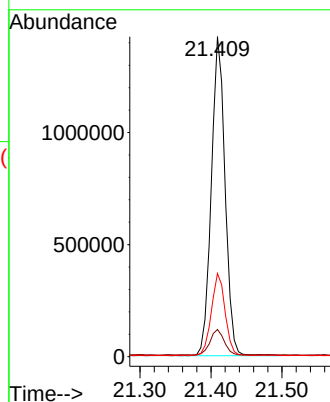
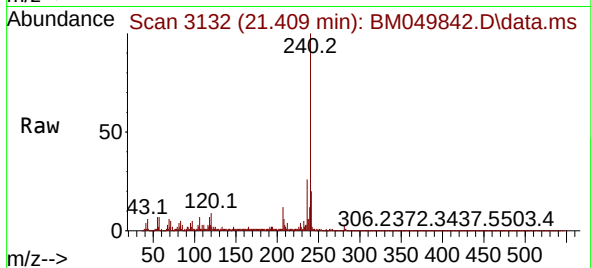
Tgt Ion:240 Resp: 1908906

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.0 20.7 31.1



#78

Pyrene

Concen: 4.625 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

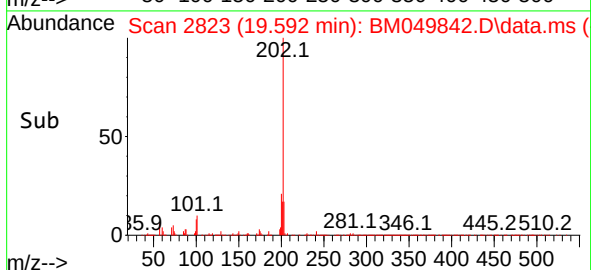
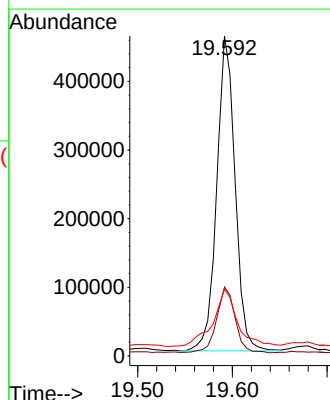
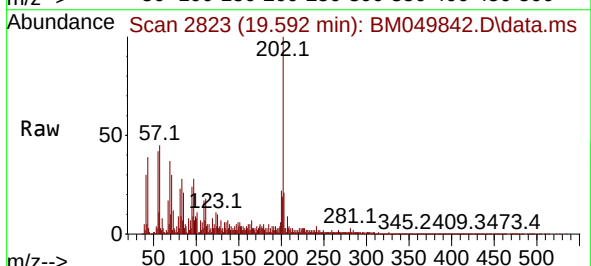
Tgt Ion:202 Resp: 616815

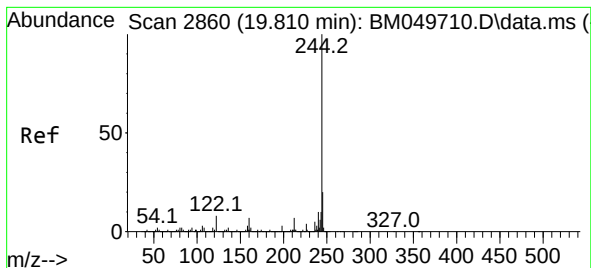
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 20.9 14.0 21.0





#79

Terphenyl-d14

Concen: 27.185 ng

RT: 19.797 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069

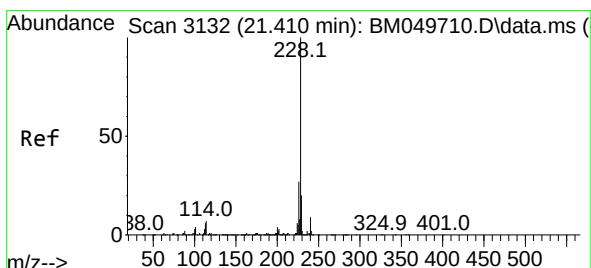
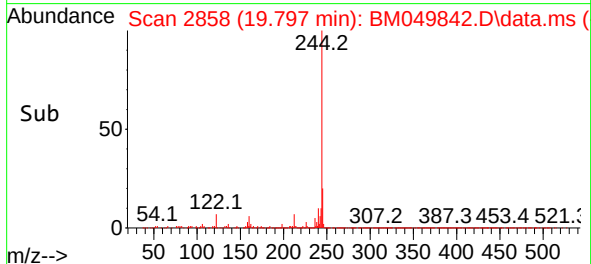
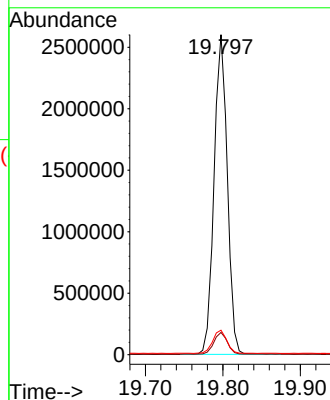
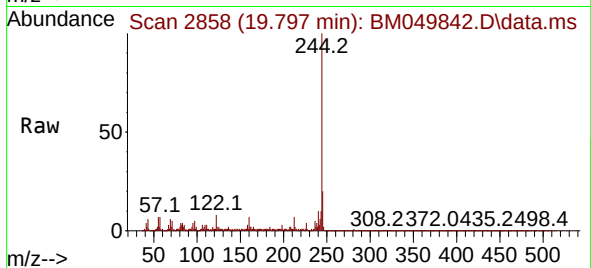
Tgt Ion:244 Resp: 3079497

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 7.6 6.0 9.0



#81

Benzo(a)anthracene

Concen: 2.156 ng

RT: 21.392 min Scan# 3129

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

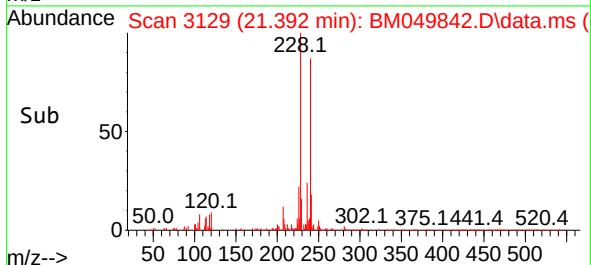
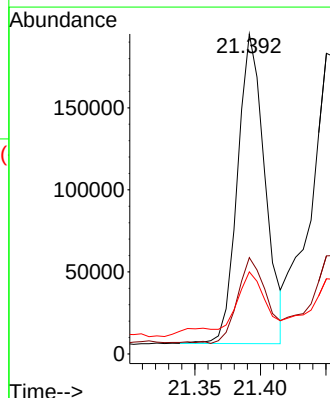
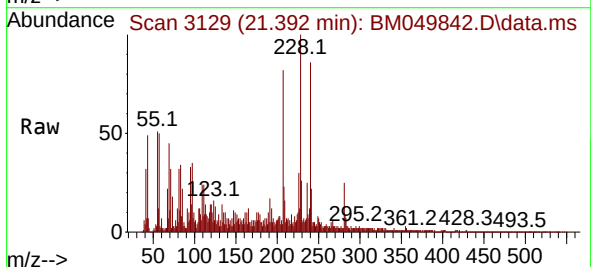
Tgt Ion:228 Resp: 274837

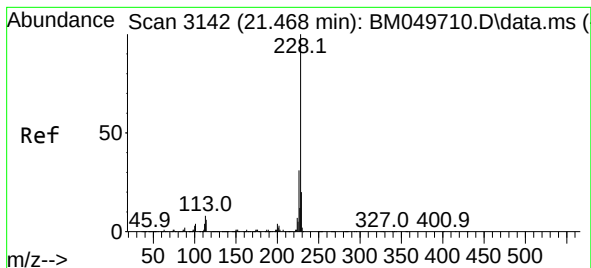
Ion Ratio Lower Upper

228 100

226 30.1 22.0 33.0

229 25.6 15.8 23.8#





#83

Chrysene

Concen: 2.671 ng

RT: 21.450 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069

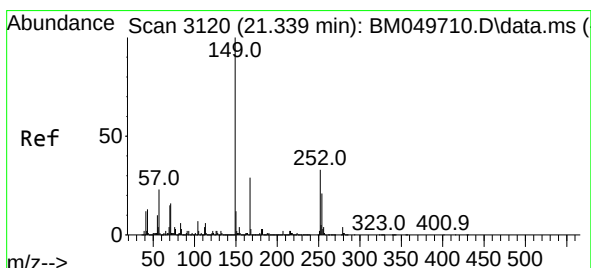
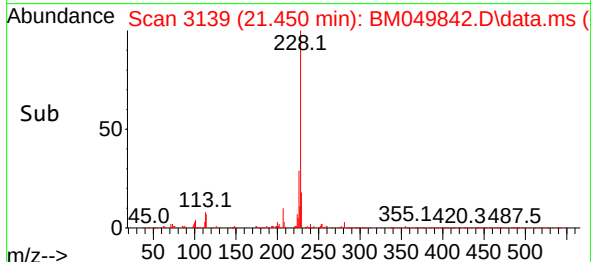
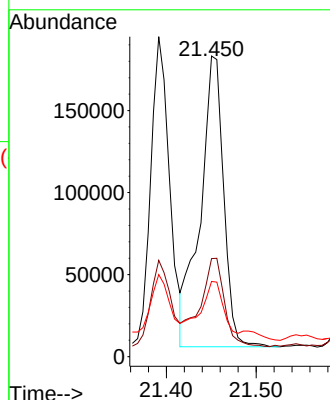
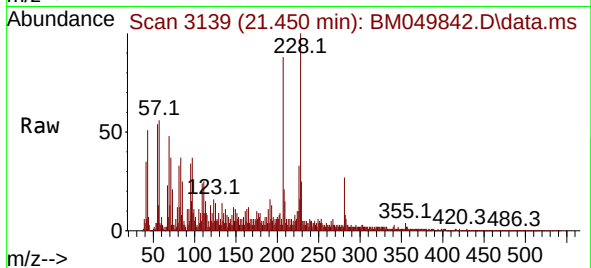
Tgt Ion:228 Resp: 322810

Ion Ratio Lower Upper

228 100

226 32.6 24.5 36.7

229 25.0 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.337 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

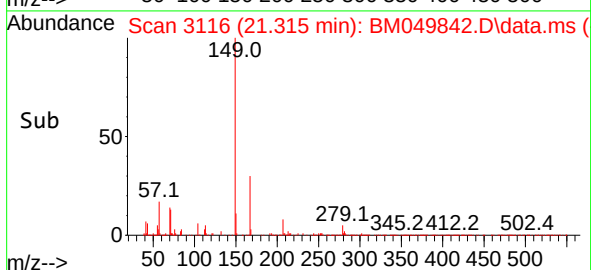
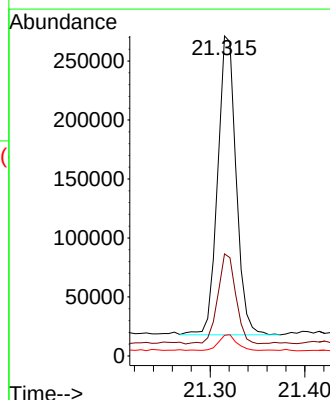
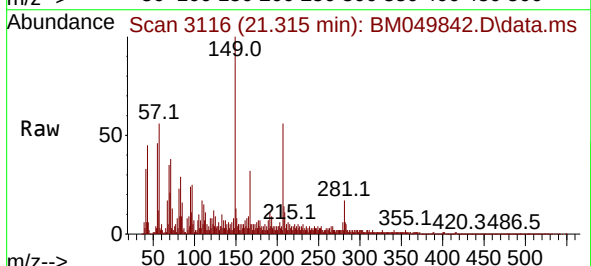
Tgt Ion:149 Resp: 344225

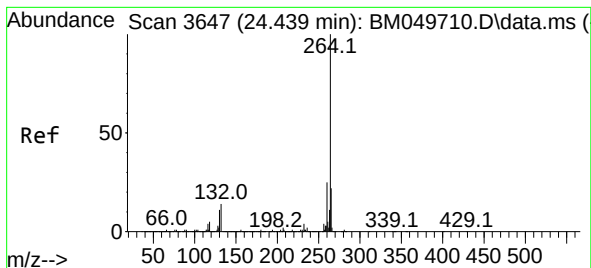
Ion Ratio Lower Upper

149 100

167 31.9 22.9 34.3

279 6.4 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.421 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Instrument :

BNA\_M

ClientSampleId :

RT3069

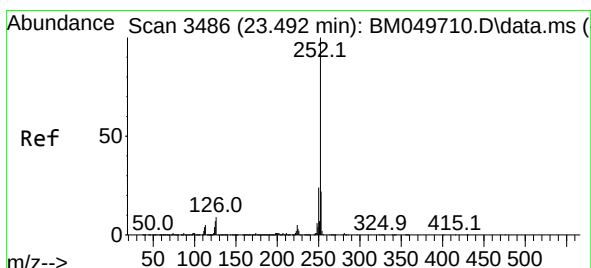
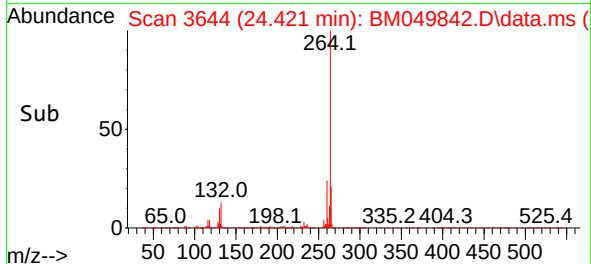
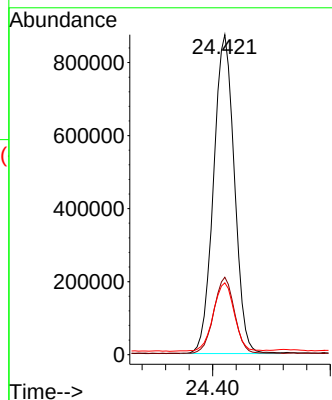
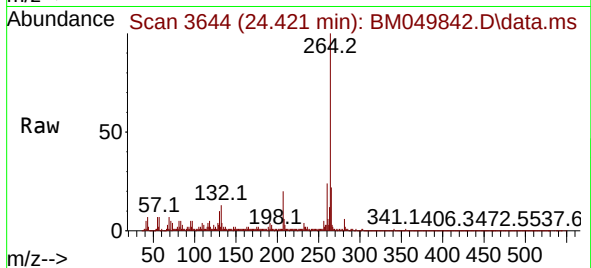
Tgt Ion:264 Resp: 2146537

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 22.4 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 2.353 ng

RT: 23.474 min Scan# 3483

Delta R.T. -0.018 min

Lab File: BM049842.D

Acq: 07 Apr 2025 16:41

Tgt Ion:252 Resp: 340221

Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.0#

125 21.6 5.9 8.9#

