

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021825\  
 Data File : BF141666.D  
 Acq On : 18 Feb 2025 17:30  
 Operator : RC/JU  
 Sample : Q1372-01 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AU-05-021425

Quant Time: Feb 19 00:12:32 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

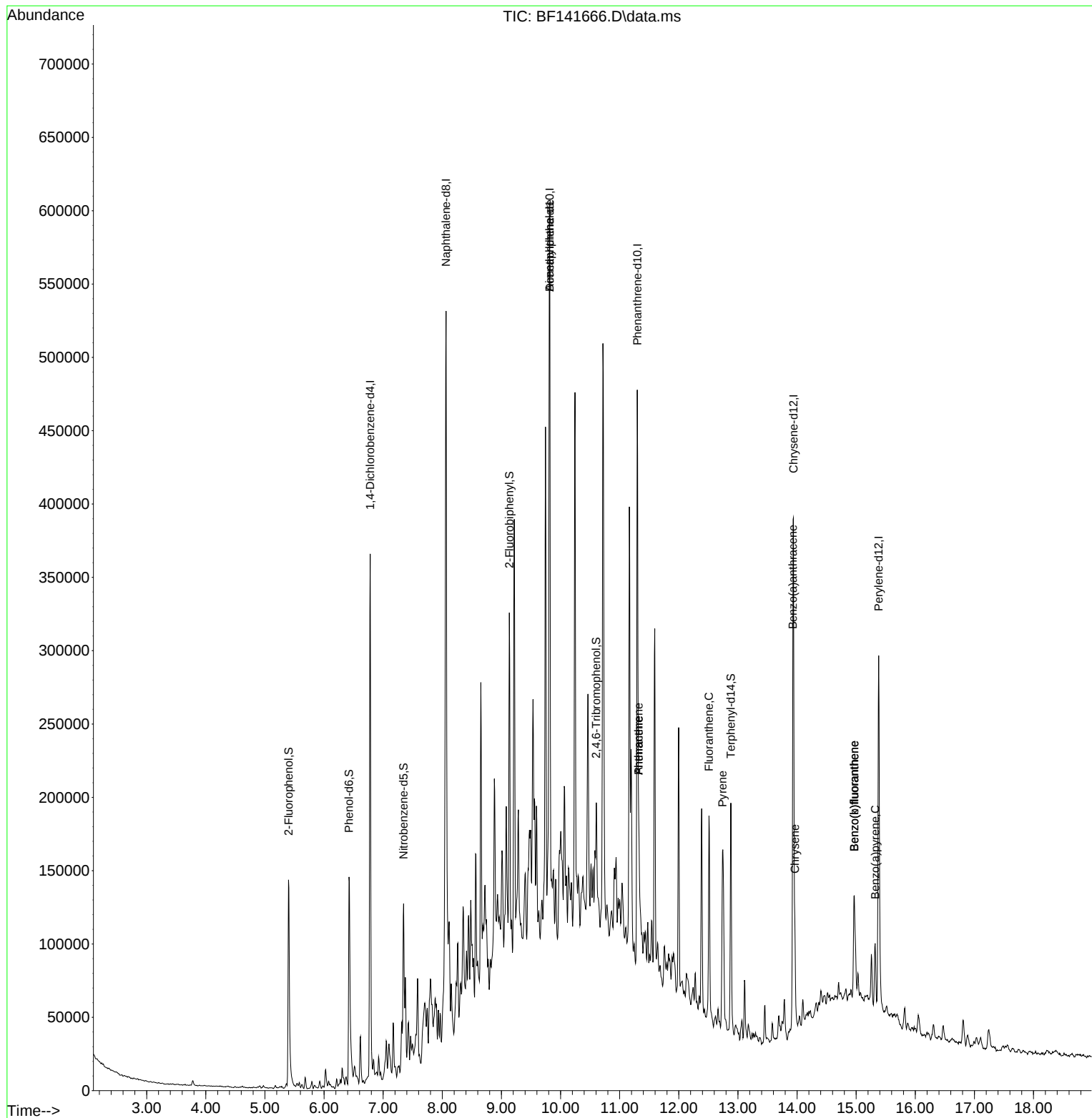
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.781  | 152  | 77175    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.063  | 136  | 300548   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.816  | 164  | 146076   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.298 | 188  | 200054   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 13.939 | 240  | 162728   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 15.380 | 264  | 139534   | 20.000 | ng    | -0.04    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.399  | 112  | 70998    | 14.423 | ng    | -0.01    |
| 7) Phenol-d6                | 6.422  | 99   | 88428    | 14.212 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.346  | 82   | 58720    | 10.190 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.604 | 330  | 15330    | 10.447 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.134  | 172  | 104081   | 10.977 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.880 | 244  | 71914    | 7.461  | ng    | -0.02    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.816  | 163  | 22888    | 2.308  | ng    | # 1      |
| 71) Phenanthrene            | 11.322 | 178  | 40148    | 3.646  | ng    | 98       |
| 72) Anthracene              | 11.322 | 178  | 40148    | 3.627  | ng    | 98       |
| 75) Fluoranthene            | 12.510 | 202  | 84283    | 7.219  | ng    | 98       |
| 78) Pyrene                  | 12.739 | 202  | 65734    | 4.745  | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.927 | 228  | 32271    | 2.983  | ng    | 96       |
| 83) Chrysene                | 13.963 | 228  | 34008    | 3.405  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.969 | 252  | 57671    | 6.155  | ng    | # 95     |
| 89) Benzo(k)fluoranthene    | 14.969 | 252  | 57671    | 7.209  | ng    | # 96     |
| 90) Benzo(a)pyrene          | 15.321 | 252  | 25087    | 3.309  | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

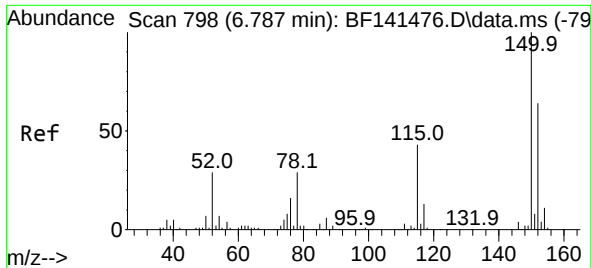
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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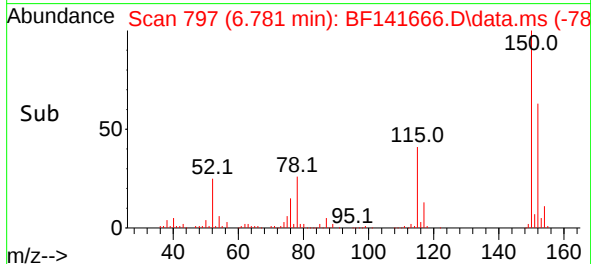
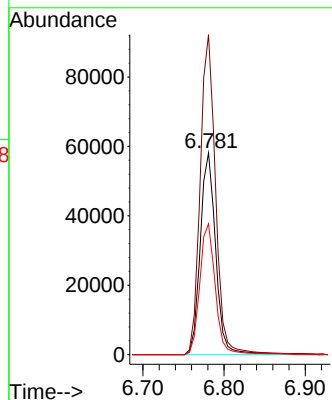
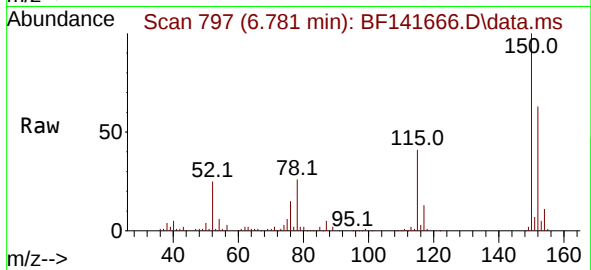




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

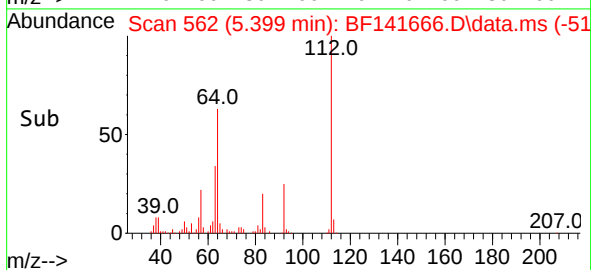
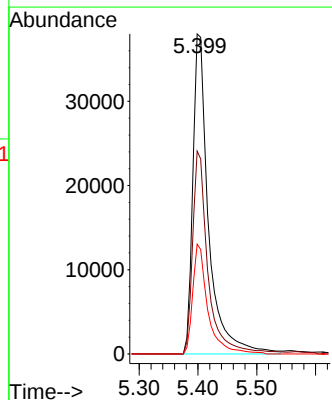
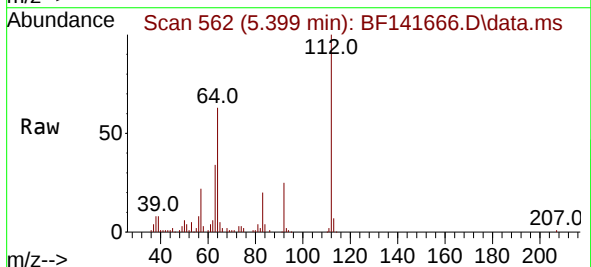
Instrument :  
BNA\_F  
ClientSampleId :  
AU-05-021425

Tgt Ion:152 Resp: 77175  
Ion Ratio Lower Upper  
152 100  
150 158.6 125.0 187.4  
115 64.9 53.6 80.4



#5  
2-Fluorophenol  
Concen: 14.423 ng  
RT: 5.399 min Scan# 562  
Delta R.T. -0.011 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:112 Resp: 70998  
Ion Ratio Lower Upper  
112 100  
64 63.4 51.1 76.7  
63 34.3 28.4 42.6

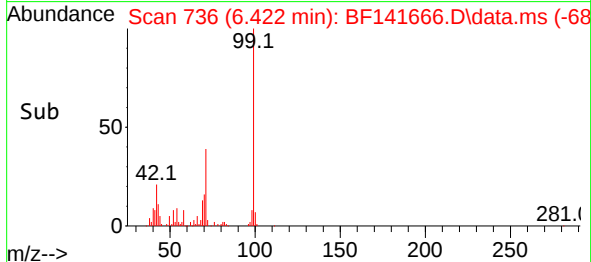
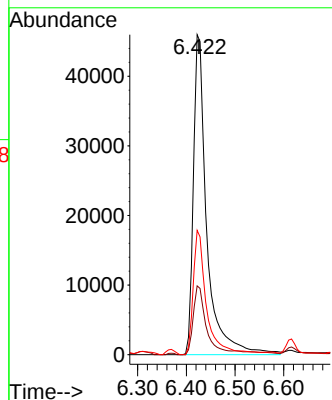
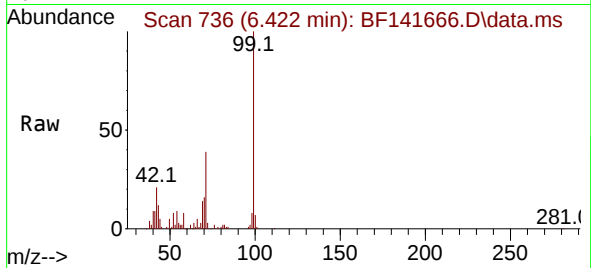




#7  
Phenol-d6  
Concen: 14.212 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

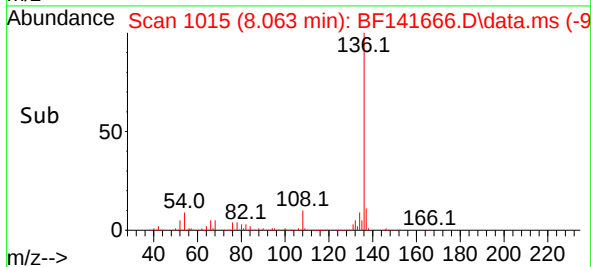
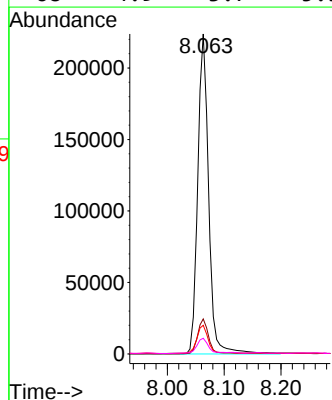
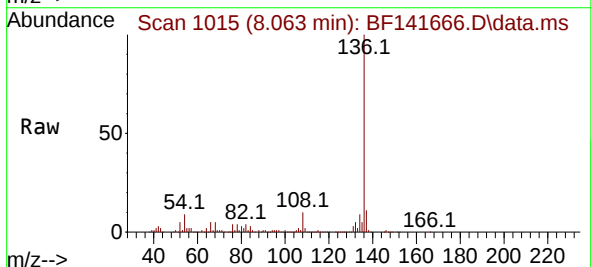
Instrument :  
BNA\_F  
ClientSampleId :  
AU-05-021425

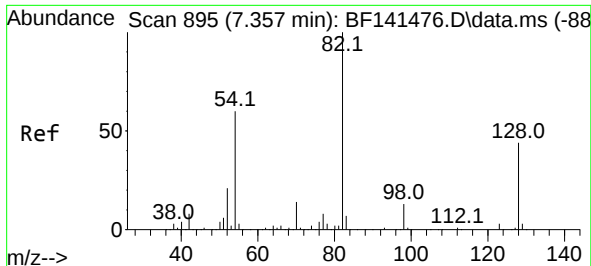
Tgt Ion: 99 Resp: 88428  
Ion Ratio Lower Upper  
99 100  
42 21.5 19.1 28.7  
71 38.8 31.1 46.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.011 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion: 136 Resp: 300548  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.0 7.2 10.8  
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 10.190 ng

RT: 7.346 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

AU-05-021425

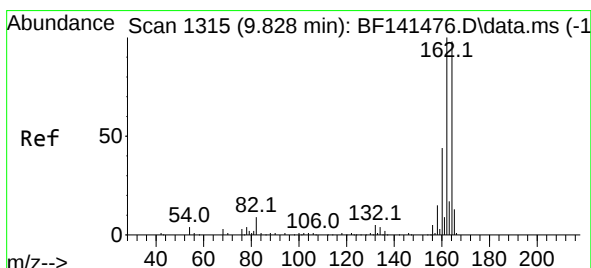
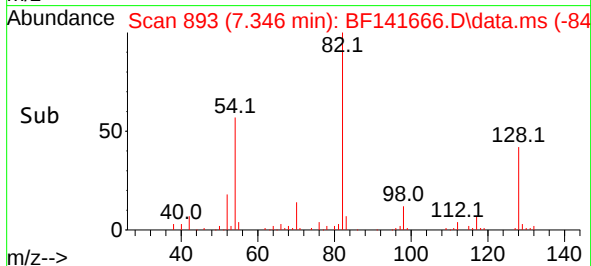
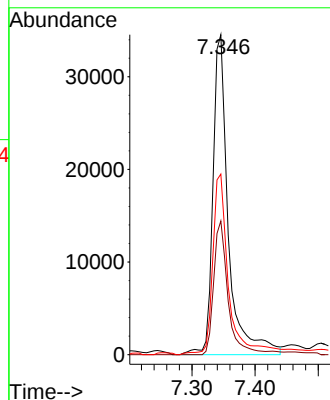
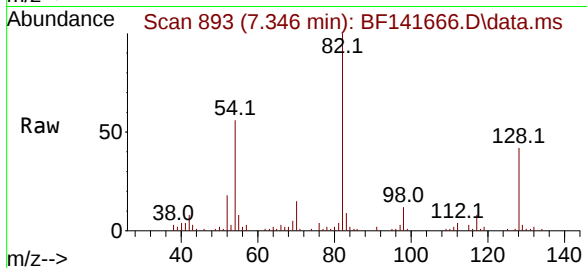
Tgt Ion: 82 Resp: 58720

Ion Ratio Lower Upper

82 100

128 41.8 34.8 52.2

54 56.5 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.017 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

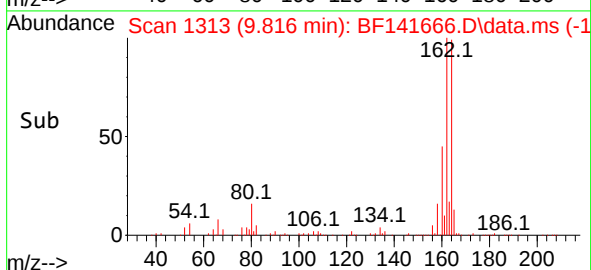
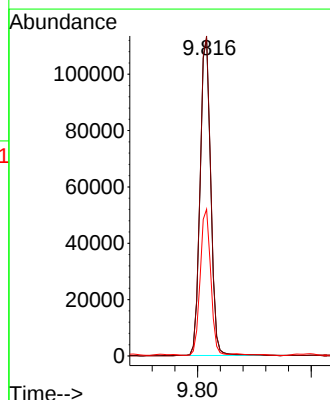
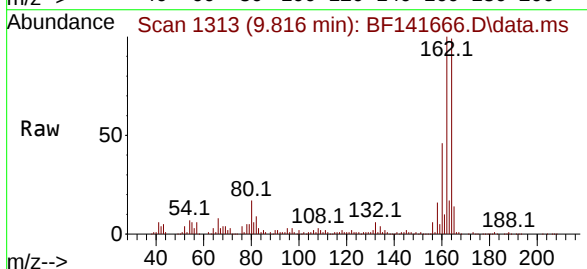
Tgt Ion:164 Resp: 146076

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

160 46.2 35.9 53.9

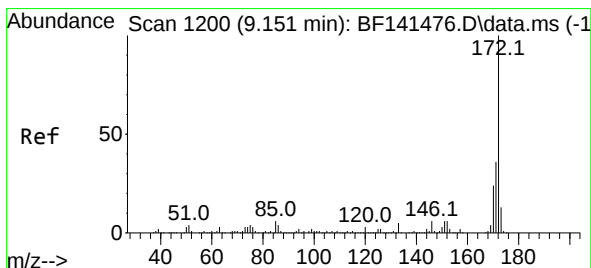
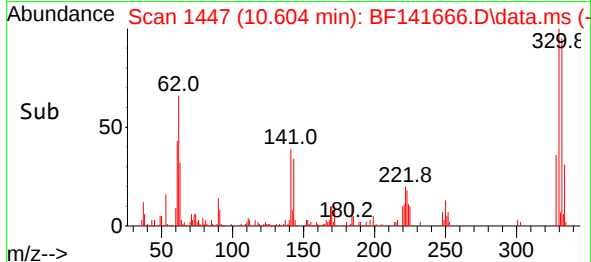
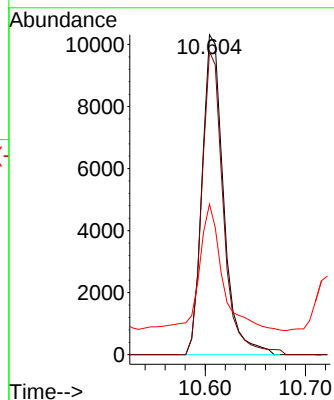
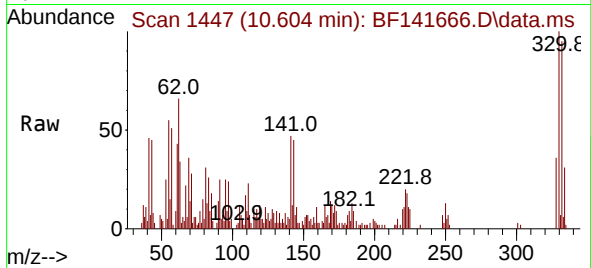




#42  
2,4,6-Tribromophenol  
Concen: 10.447 ng  
RT: 10.604 min Scan# 1450  
Delta R.T. -0.023 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

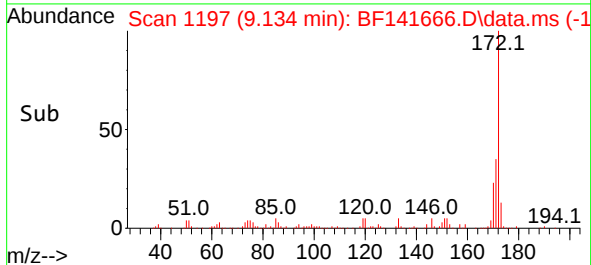
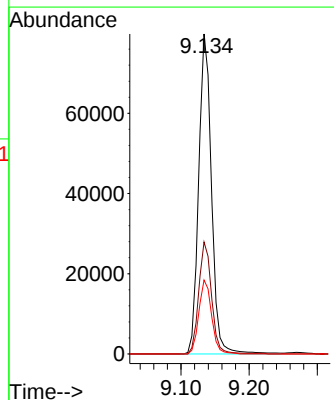
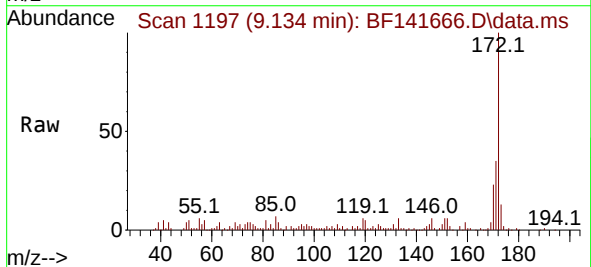
Instrument :  
BNA\_F  
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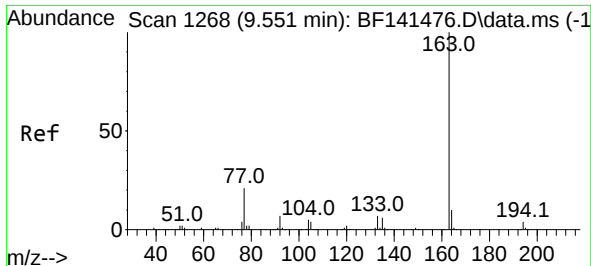
Tgt Ion:330 Resp: 15330  
Ion Ratio Lower Upper  
330 100  
332 94.6 78.5 117.7  
141 43.9 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 10.977 ng  
RT: 9.134 min Scan# 1197  
Delta R.T. -0.017 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:172 Resp: 104081  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.7 43.1  
170 23.1 18.9 28.3

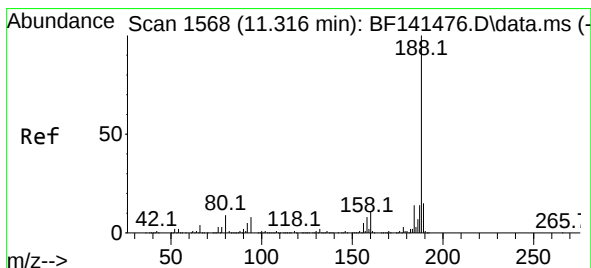
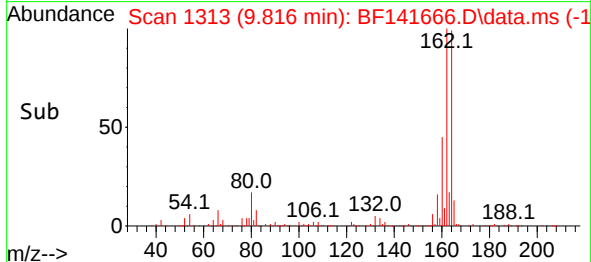
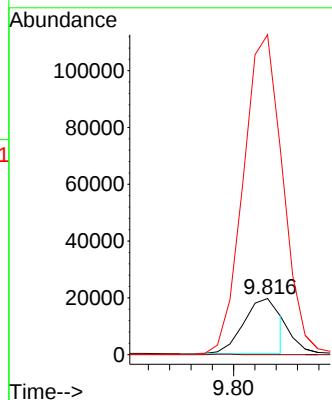
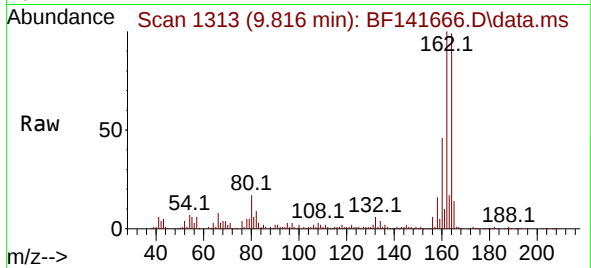




#50  
Dimethylphthalate  
Concen: 2.308 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.253 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

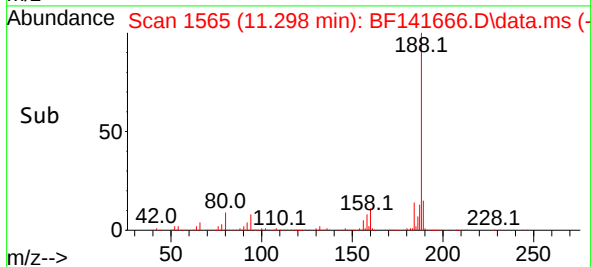
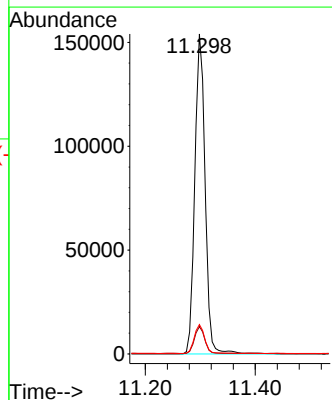
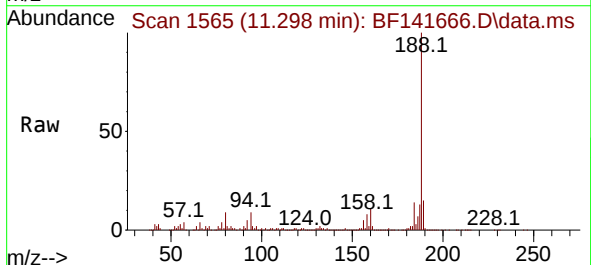
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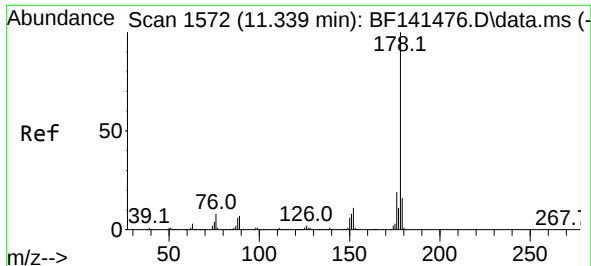
Tgt Ion:163 Resp: 22888  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.4#  
164 569.4 7.9 11.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 1565  
Delta R.T. -0.017 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:188 Resp: 200054  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.6 10.0  
80 9.2 7.3 10.9

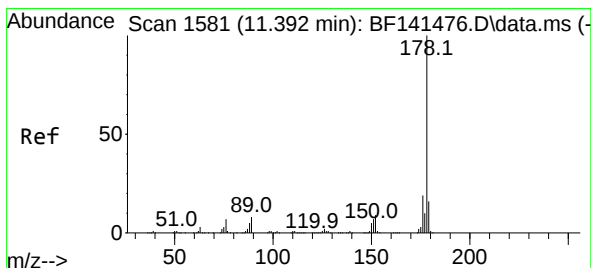
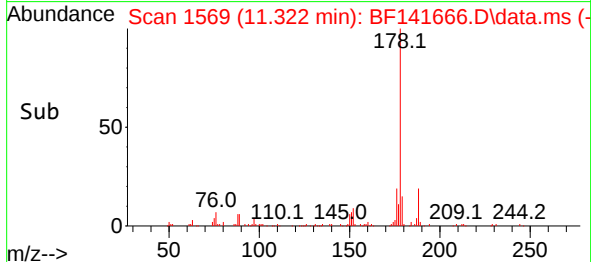
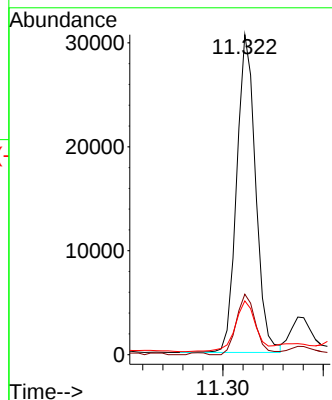
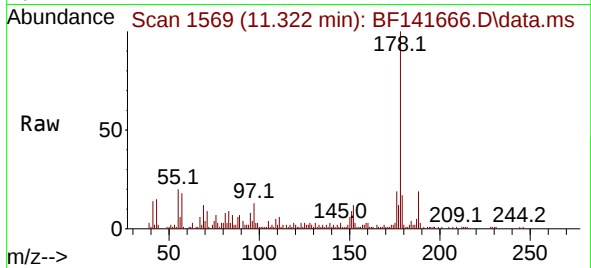




#71  
Phenanthrene  
Concen: 3.646 ng  
RT: 11.322 min Scan# 1569  
Delta R.T. -0.023 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

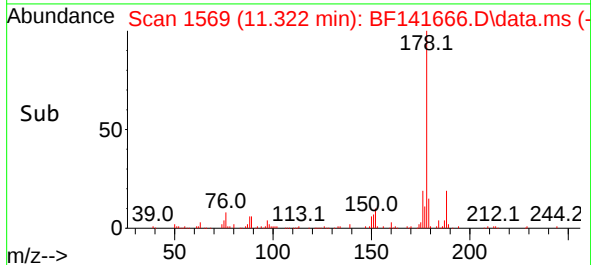
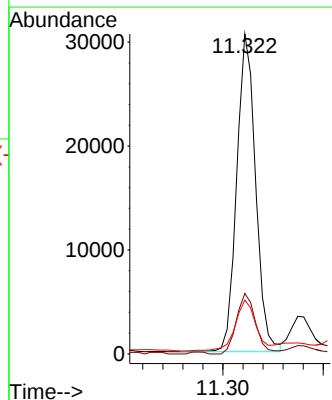
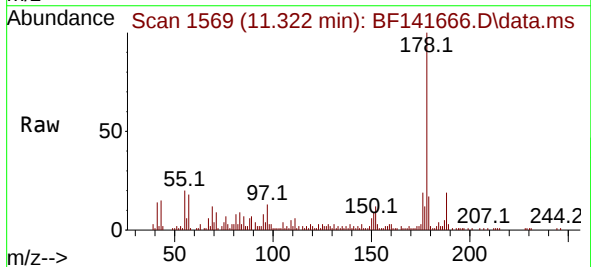
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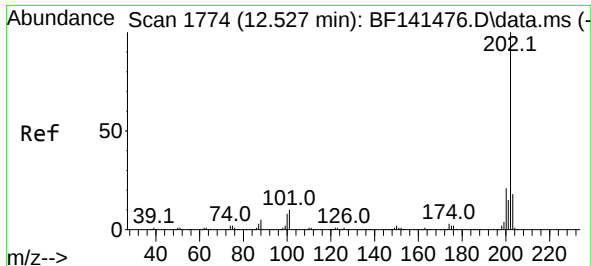
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Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.0  
179 16.8 12.4 18.6



#72  
Anthracene  
Concen: 3.627 ng  
RT: 11.322 min Scan# 1569  
Delta R.T. -0.076 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:178 Resp: 40148  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.8 22.2  
179 16.8 12.4 18.6

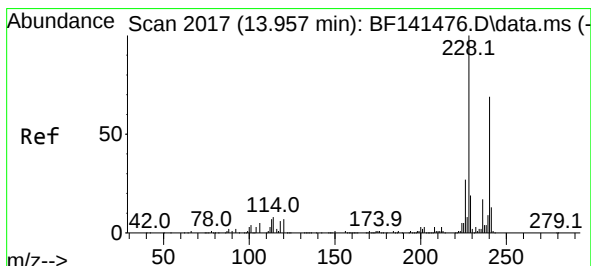
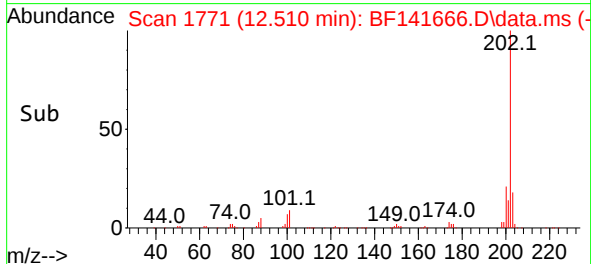
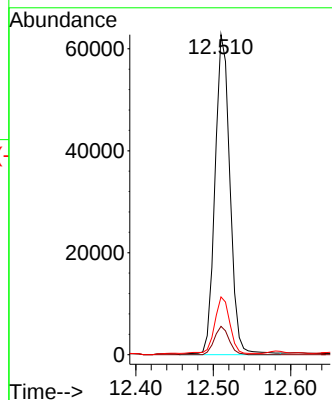
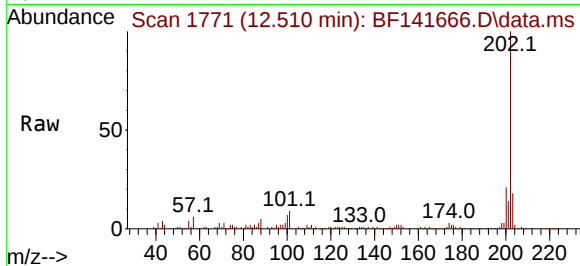




#75  
Fluoranthene  
Concen: 7.219 ng  
RT: 12.510 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

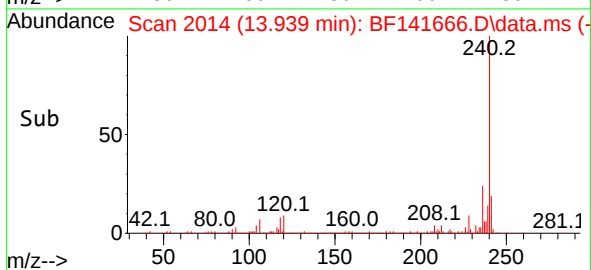
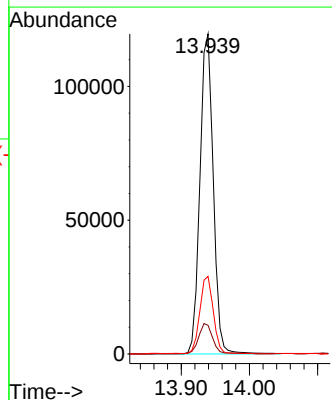
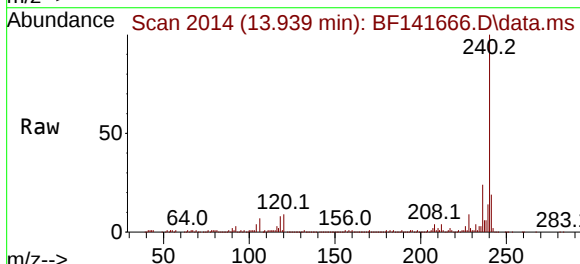
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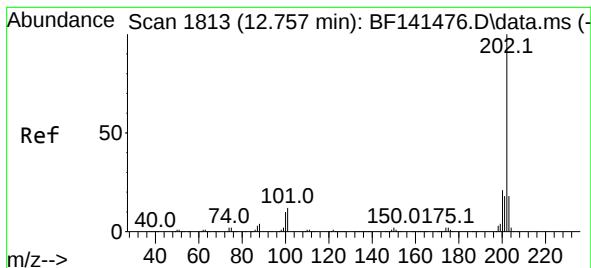
Tgt Ion:202 Resp: 84283  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 30.2  
203 18.0 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.023 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:240 Resp: 162728  
Ion Ratio Lower Upper  
240 100  
120 9.0 8.0 12.0  
236 24.2 19.8 29.8





#78

Pyrene

Concen: 4.745 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

AU-05-021425

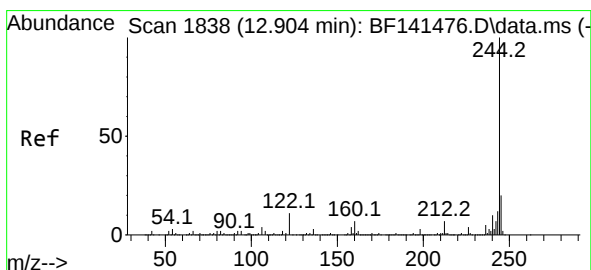
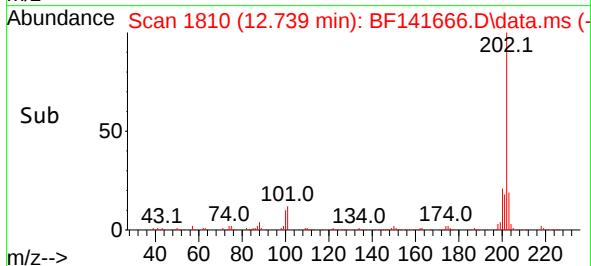
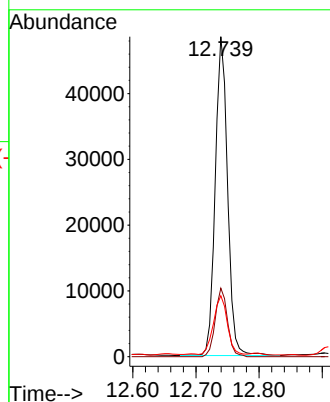
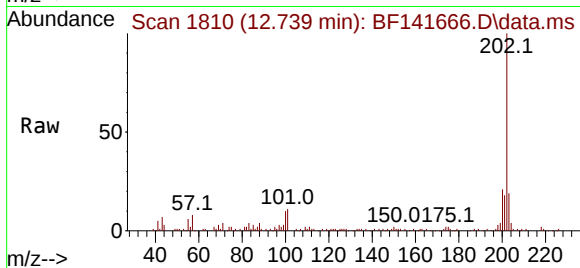
Tgt Ion:202 Resp: 65734

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

203 19.1 14.3 21.5



#79

Terphenyl-d14

Concen: 7.461 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

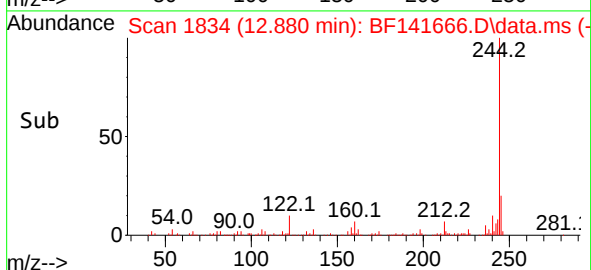
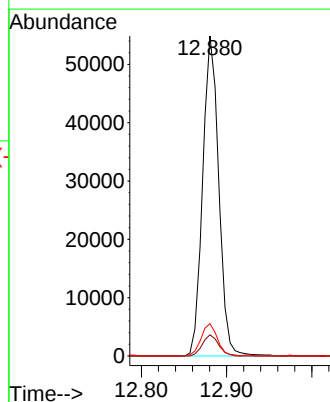
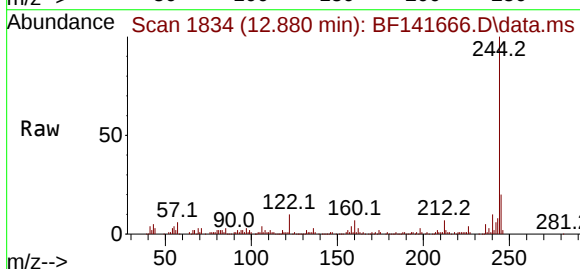
Tgt Ion:244 Resp: 71914

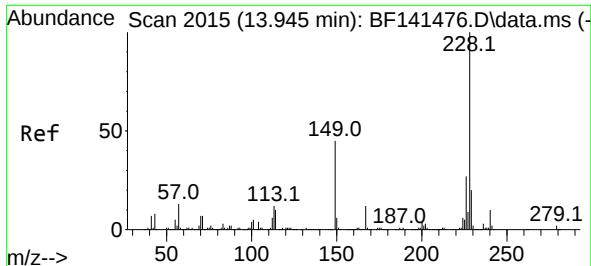
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.1 8.4 12.6

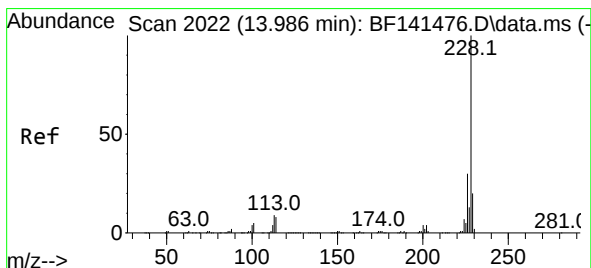
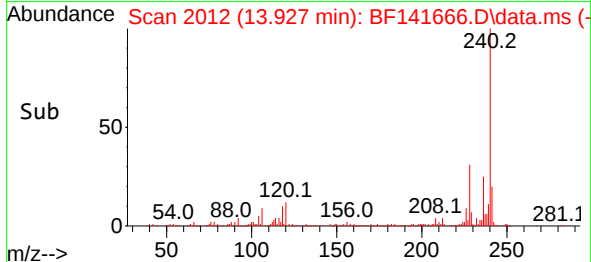
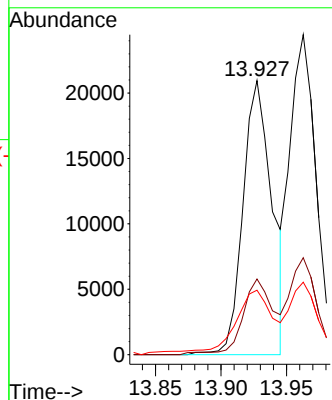
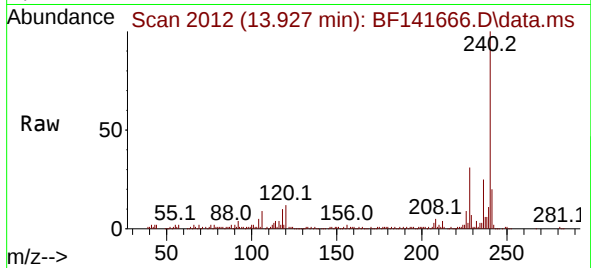




#81  
Benzo(a)anthracene  
Concen: 2.983 ng  
RT: 13.927 min Scan# 2012  
Delta R.T. -0.023 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

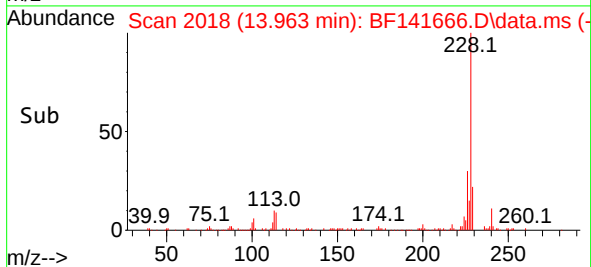
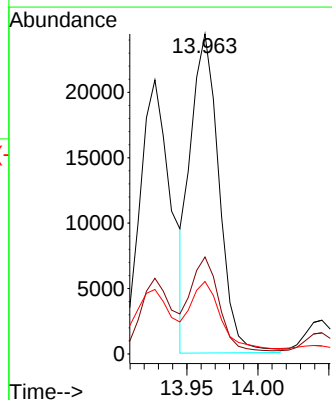
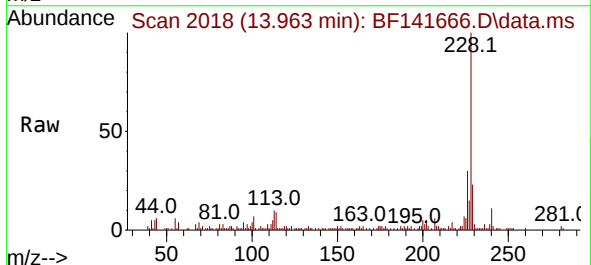
Instrument :  
BNA\_F  
ClientSampleId :  
AU-05-021425

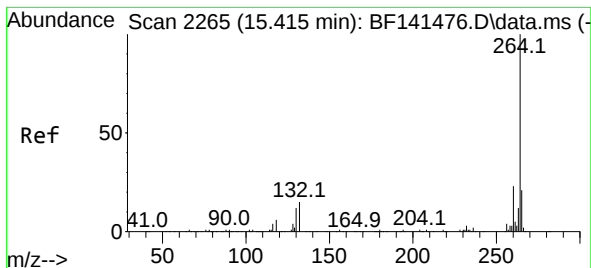
Tgt Ion:228 Resp: 32271  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.8 32.8  
229 23.6 15.8 23.6



#83  
Chrysene  
Concen: 3.405 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.029 min  
Lab File: BF141666.D  
Acq: 18 Feb 2025 17:30

Tgt Ion:228 Resp: 34008  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.0 36.0  
229 22.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

AU-05-021425

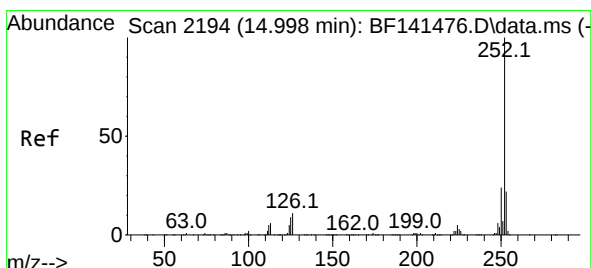
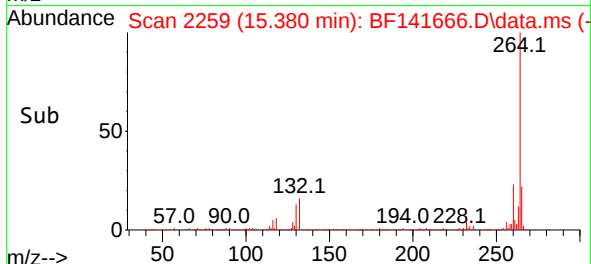
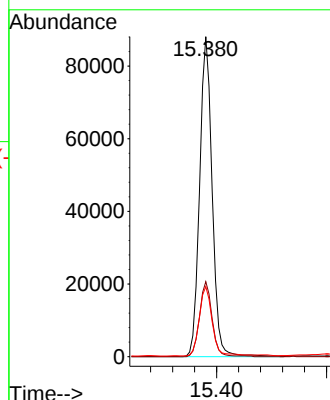
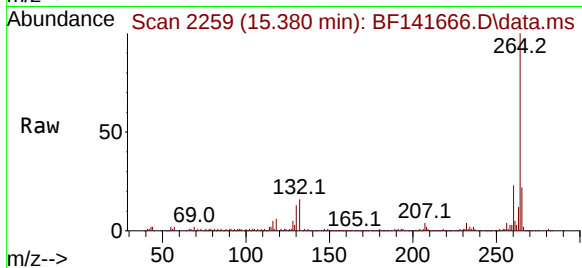
Tgt Ion:264 Resp: 139534

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 6.155 ng

RT: 14.969 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

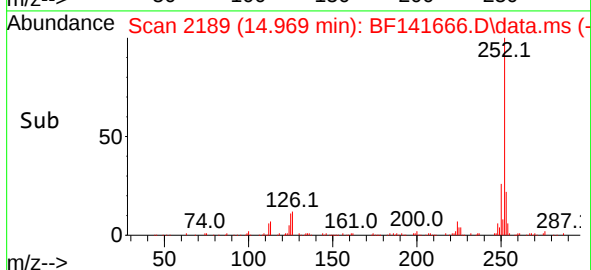
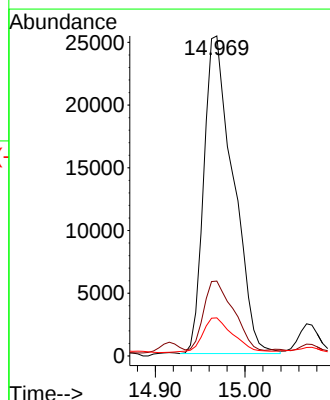
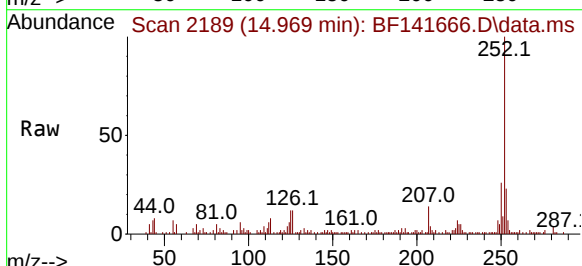
Tgt Ion:252 Resp: 57671

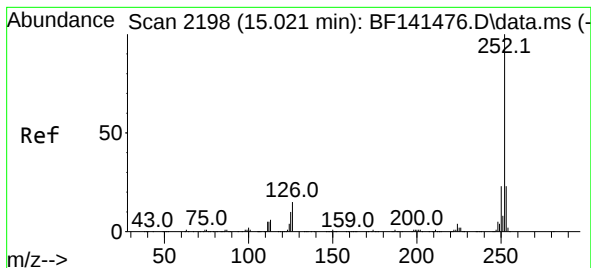
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 11.9 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 7.209 ng

RT: 14.969 min Scan# 2198

Delta R.T. -0.064 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

AU-05-021425

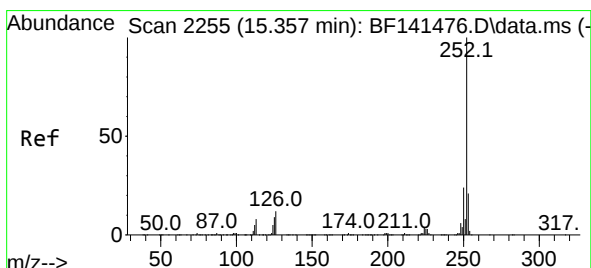
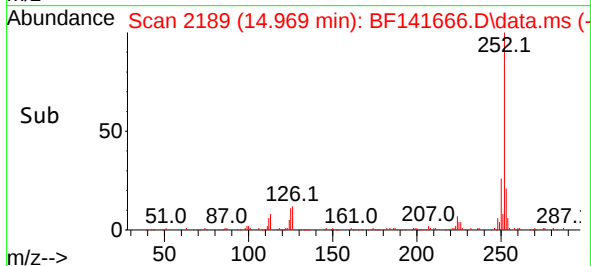
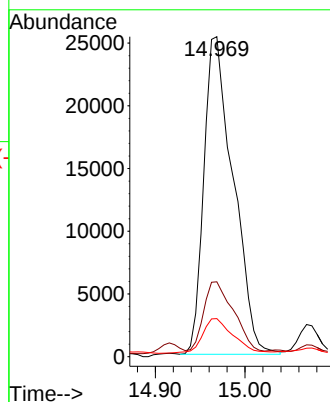
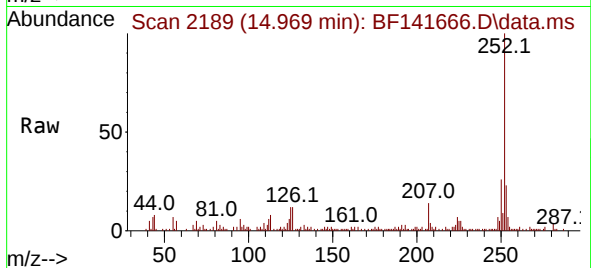
Tgt Ion:252 Resp: 57671

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 11.9 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 3.309 ng

RT: 15.321 min Scan# 2249

Delta R.T. -0.041 min

Lab File: BF141666.D

Acq: 18 Feb 2025 17:30

Tgt Ion:252 Resp: 25087

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 11.2 7.4 11.2#

