

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
 Data File : BN031635.D  
 Acq On : 23 May 2024 16:56  
 Operator : MA/JU  
 Sample : P2547-12  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5W9

Quant Time: May 23 22:52:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

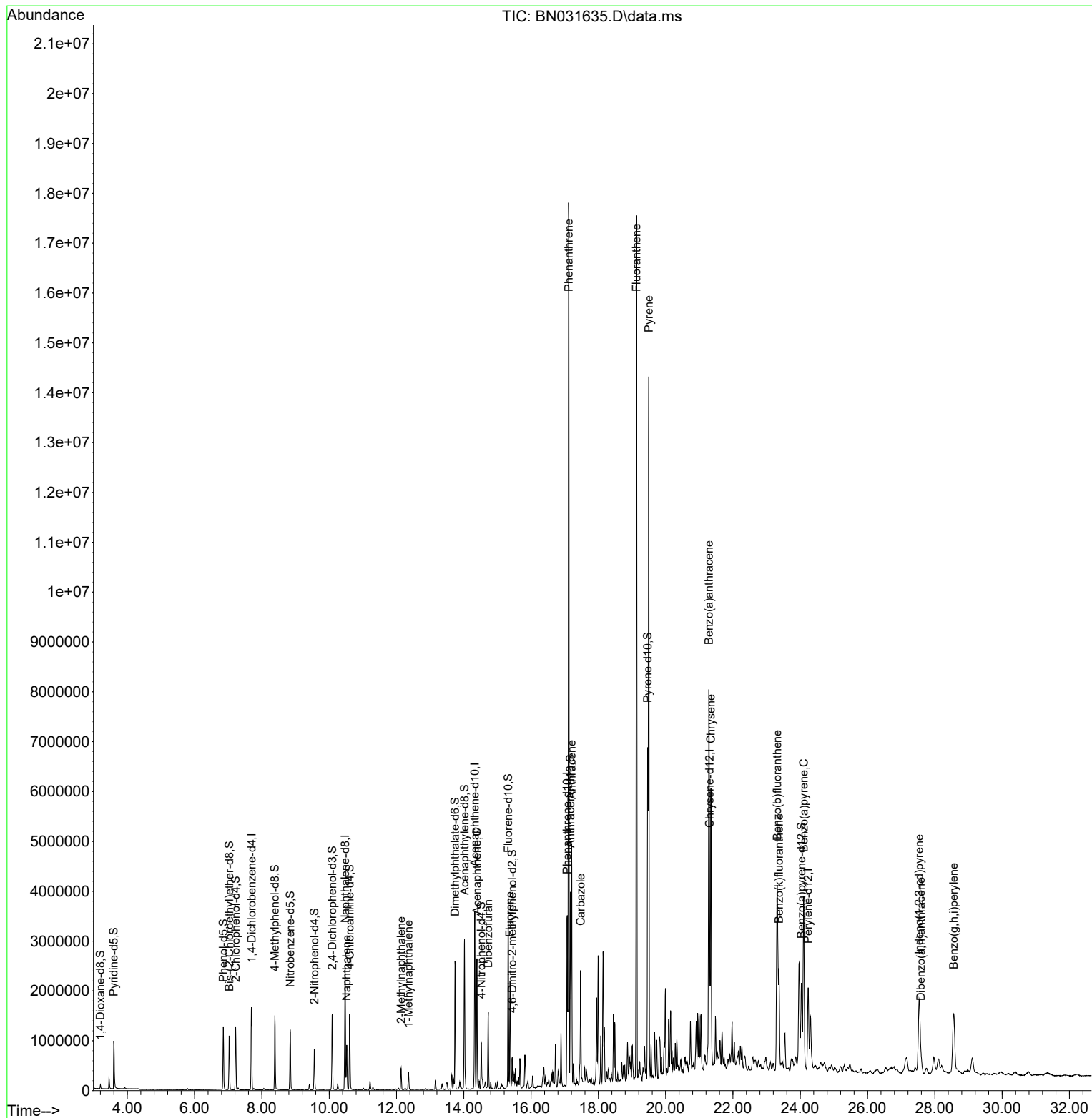
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 455978   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 2010014  | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1187256  | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 2113627  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1274656  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.233 | 264  | 1447481  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 39245    | 3.411   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 545716   | 16.999  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 767476   | 20.447  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 472492   | 20.988  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 581880   | 20.118  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 553979   | 19.065  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 282884   | 18.596  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 258799   | 17.816  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 542227   | 19.091  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 804063   | 19.639  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 1687812  | 22.558  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 1976143  | 21.073  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 202474   | 14.302  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1463131  | 22.565  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 113164   | 12.384  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 1997526  | 22.325  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 1829059  | 22.877  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.033 | 264  | 1562348  | 22.930  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.522 | 128  | 737630   | 7.131   | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 206243   | 3.047   | ng/u1  | 99       |
| 37) 1-Methylnaphthalene       | 12.357 | 142  | 162516   | 2.425   | ng/u1  | 96       |
| 52) Acenaphthene              | 14.392 | 153  | 1011855  | 14.426  | ng/u1  | 96       |
| 56) Dibenzofuran              | 14.728 | 168  | 881116   | 9.410   | ng/u1  | 94       |
| 61) Fluorene                  | 15.375 | 166  | 911655   | 12.430  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.122 | 178  | 11070957 | 103.210 | ng/u1  | 99       |
| 74) Anthracene                | 17.204 | 178  | 2953854  | 27.447  | ng/u1  | 99       |
| 77) Carbazole                 | 17.475 | 167  | 1350942  | 14.710  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 10432134 | 105.560 | ng/u1  | 98       |
| 82) Pyrene                    | 19.498 | 202  | 8715258  | 85.992  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 3841686  | 44.819  | ng/u1  | 98       |
| 87) Chrysene                  | 21.345 | 228  | 3399846  | 42.940  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 4060055  | 48.066  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.368 | 252  | 1566033  | 18.188  | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 24.104 | 252  | 3250807  | 40.064  | ng/u1  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 1191870  | 12.239  | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.580 | 278  | 309155   | 3.855   | ng/u1# | 94       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 2036297  | 25.309  | ng/u1  | 96       |
| -----                         |        |      |          |         |        |          |

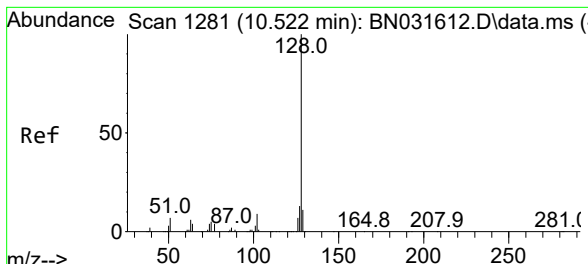
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052324\  
Data File : BN031635.D  
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Sample : P2547-12  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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Quant Time: May 23 22:52:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 23:42:49 2024  
Response via : Initial Calibration



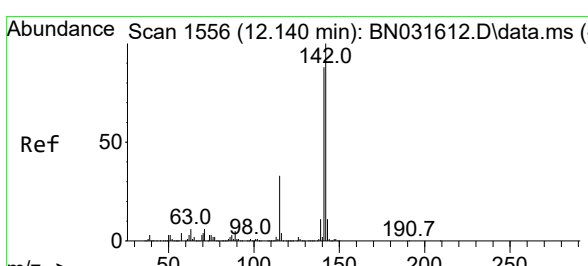
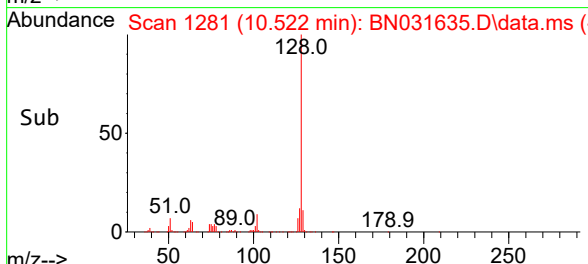
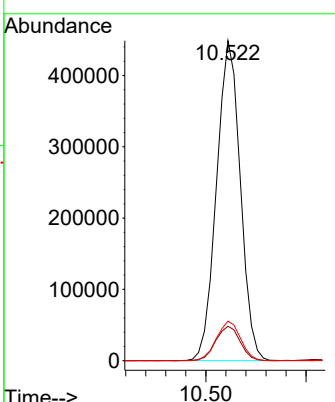
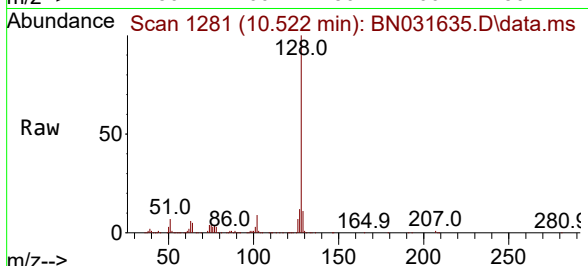


#30  
 Naphthalene  
 Concen: 7.131 ng/ul  
 RT: 10.522 min Scan# 1281  
 Delta R.T. -0.006 min  
 Lab File: BN031635.D  
 Acq: 23 May 2024 16:56

Instrument : BNA\_N  
 ClientSampleId : BH5W9

Tgt Ion:128 Resp: 737630

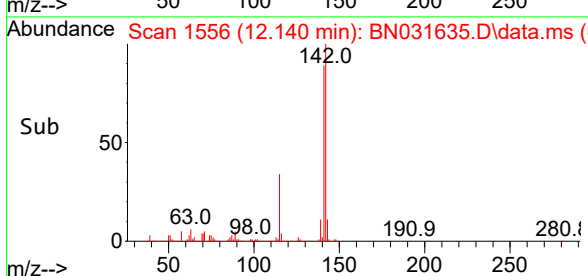
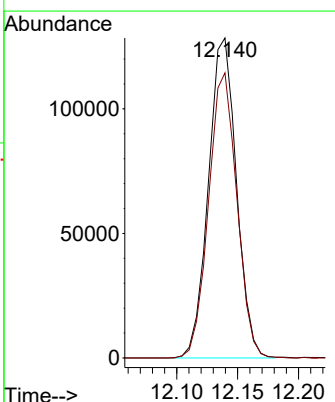
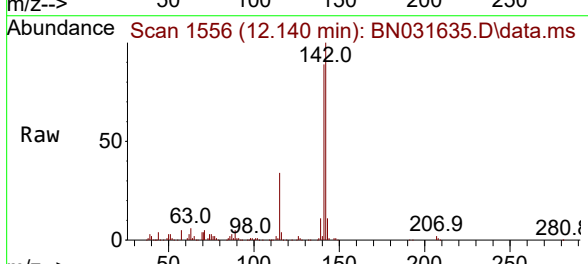
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.8  | 8.8   | 13.2  |
| 127 | 12.3  | 10.2  | 15.2  |

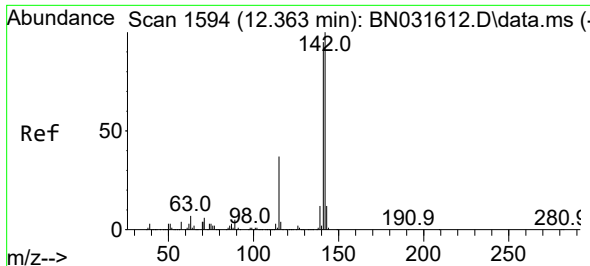


#36  
 2-Methylnaphthalene  
 Concen: 3.047 ng/ul  
 RT: 12.140 min Scan# 1556  
 Delta R.T. 0.000 min  
 Lab File: BN031635.D  
 Acq: 23 May 2024 16:56

Tgt Ion:142 Resp: 206243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 89.1  | 70.5  | 105.7 |





#37

1-Methylnaphthalene

Concen: 2.425 ng/ul

RT: 12.357 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA\_N

ClientSampleId :

BH5W9

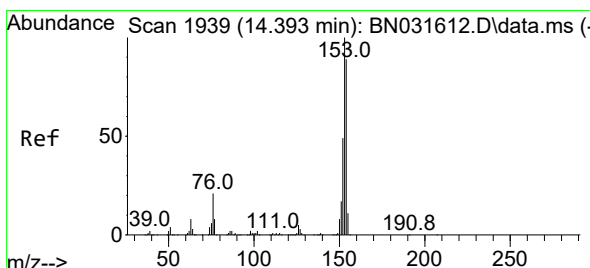
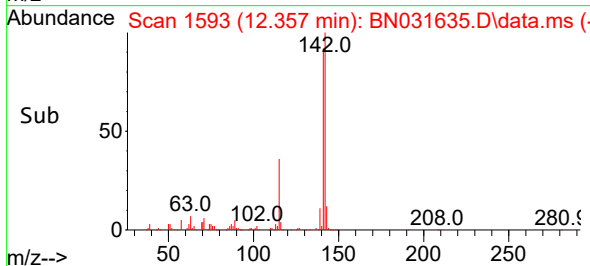
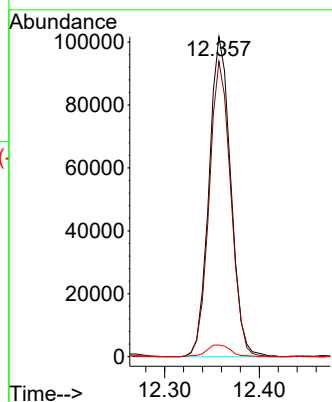
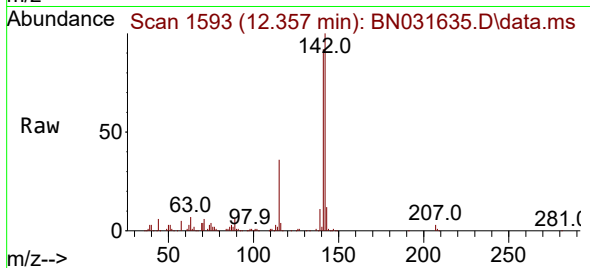
Tgt Ion:142 Resp: 162516

Ion Ratio Lower Upper

142 100

141 92.3 77.0 115.6

116 3.7 3.0 4.6



#52

Acenaphthene

Concen: 14.426 ng/ul

RT: 14.392 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

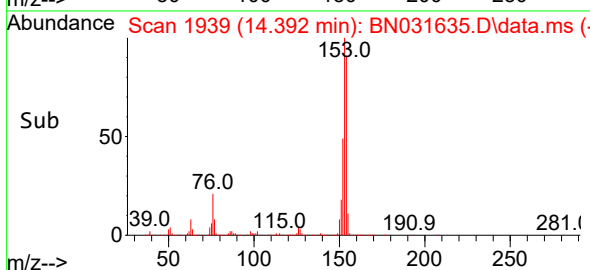
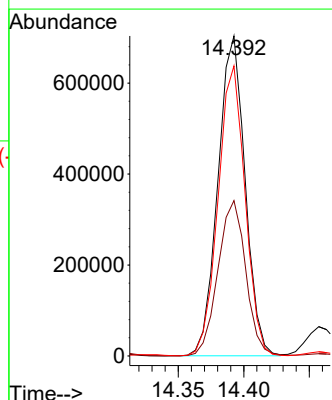
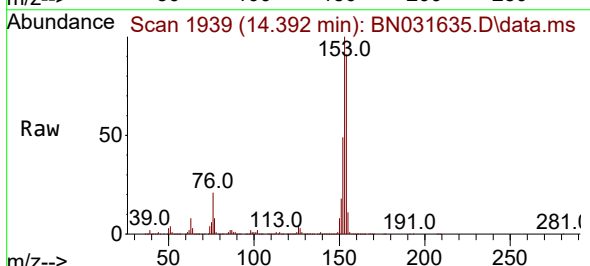
Tgt Ion:153 Resp: 1011855

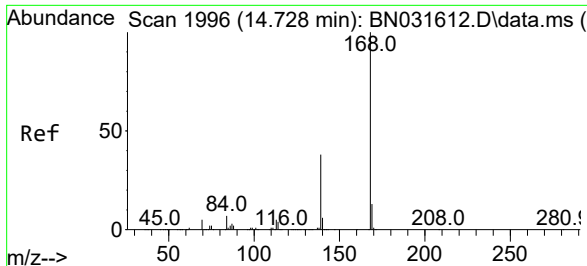
Ion Ratio Lower Upper

153 100

152 48.6 40.5 60.7

154 90.6 76.6 114.8

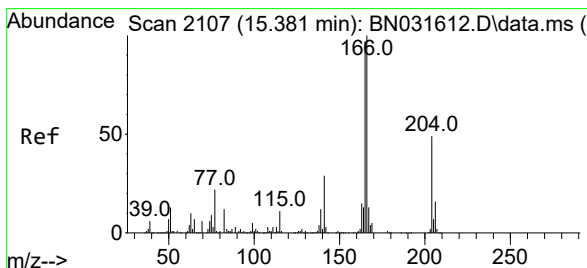
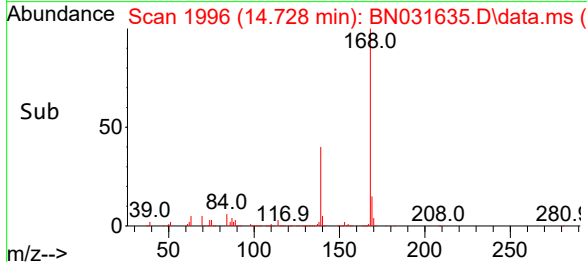
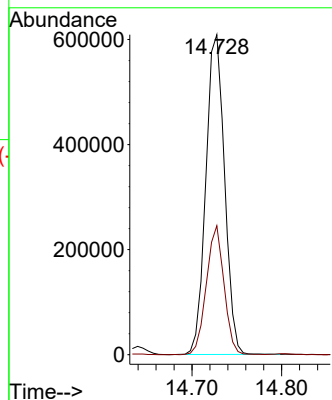
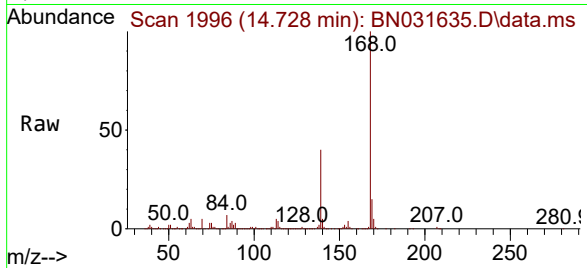




#56  
Dibenzenofuran  
Concen: 9.410 ng/ul  
RT: 14.728 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: BN031635.D  
Acq: 23 May 2024 16:56

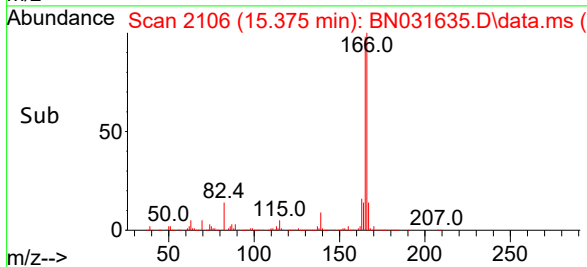
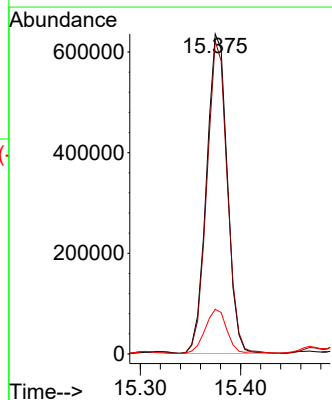
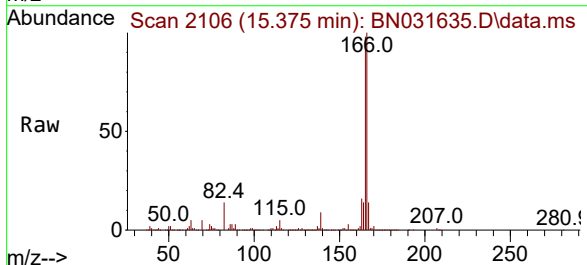
Instrument :  
BNA\_N  
ClientSampleId :  
BH5W9

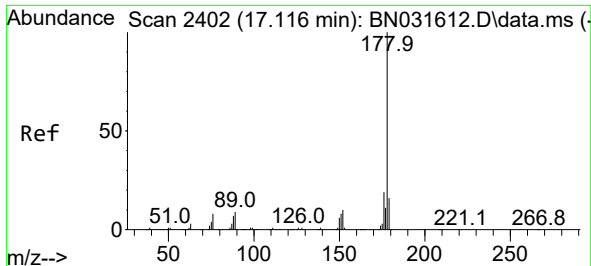
Tgt Ion:168 Resp: 881116  
Ion Ratio Lower Upper  
168 100  
139 40.3 29.2 43.8



#61  
Fluorene  
Concen: 12.430 ng/ul  
RT: 15.375 min Scan# 2106  
Delta R.T. -0.006 min  
Lab File: BN031635.D  
Acq: 23 May 2024 16:56

Tgt Ion:166 Resp: 911655  
Ion Ratio Lower Upper  
166 100  
165 97.8 77.0 115.6  
167 14.0 10.9 16.3

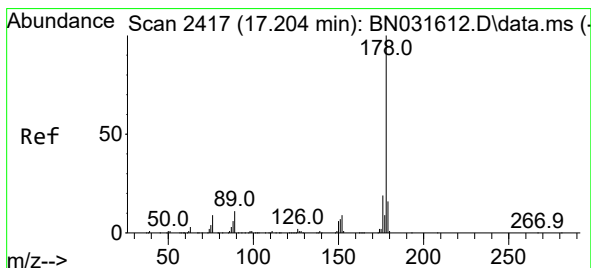
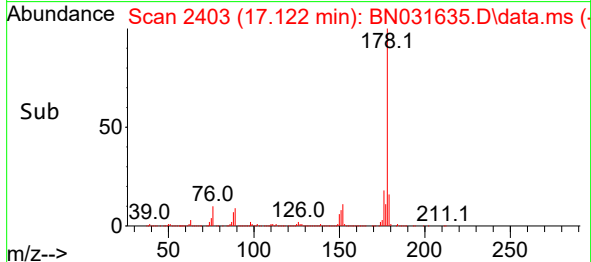
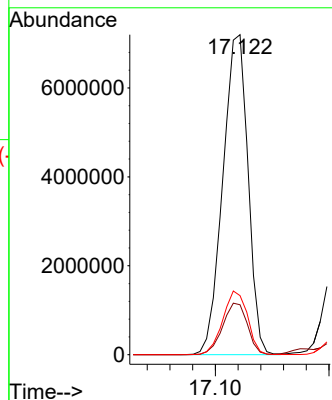
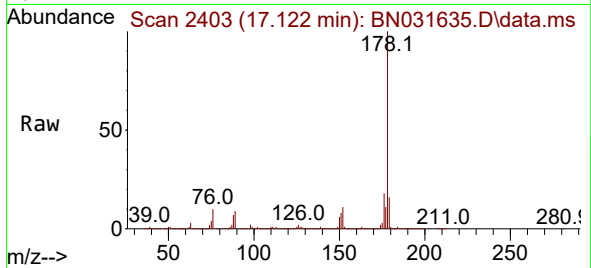




#72  
Phenanthrene  
Concen: 103.210 ng/ul  
RT: 17.122 min Scan# 2402  
Delta R.T. 0.006 min  
Lab File: BN031635.D  
Acq: 23 May 2024 16:56

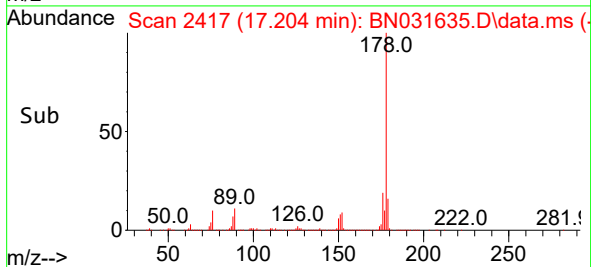
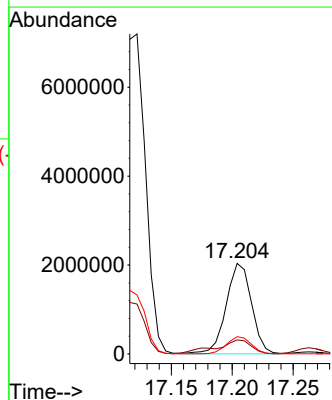
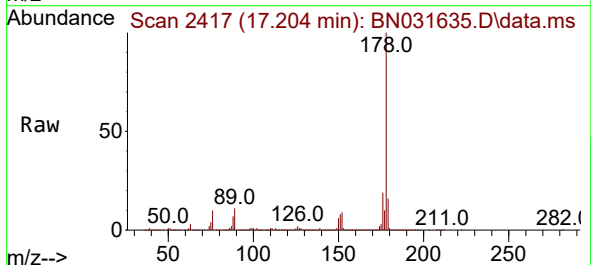
Instrument :  
BNA\_N  
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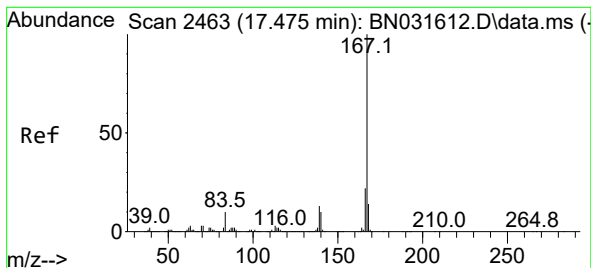
Tgt Ion:178 Resp:11070957  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 18.8  
176 18.5 15.2 22.8



#74  
Anthracene  
Concen: 27.447 ng/ul  
RT: 17.204 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BN031635.D  
Acq: 23 May 2024 16:56

Tgt Ion:178 Resp: 2953854  
Ion Ratio Lower Upper  
178 100  
179 15.5 11.9 17.9  
176 19.1 15.4 23.2





#77

Carbazole

Concen: 14.710 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA\_N

ClientSampleId :

BH5W9

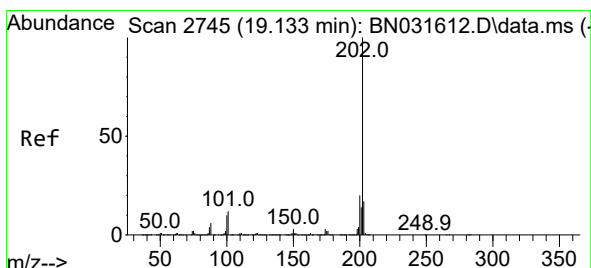
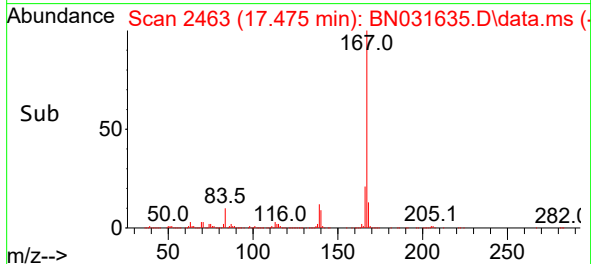
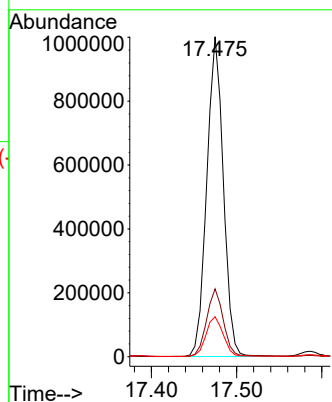
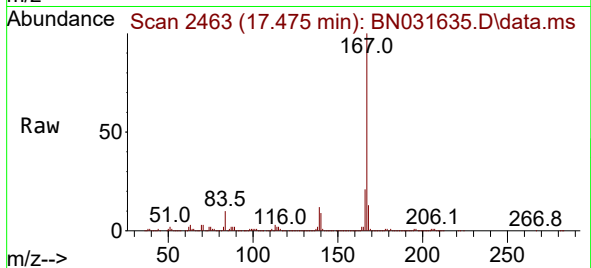
Tgt Ion:167 Resp: 1350942

Ion Ratio Lower Upper

167 100

166 21.2 16.7 25.1

139 12.5 10.5 15.7



#80

Fluoranthene

Concen: 105.560 ng/ul

RT: 19.133 min Scan# 2745

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

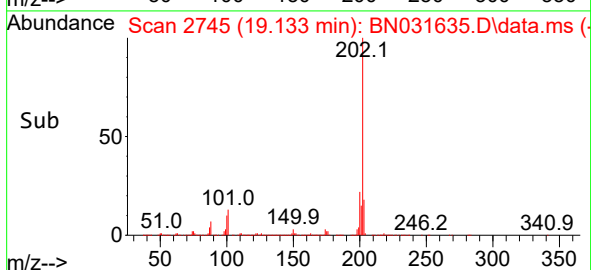
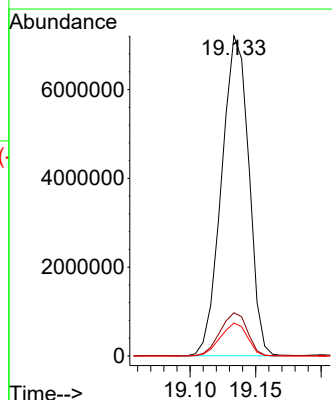
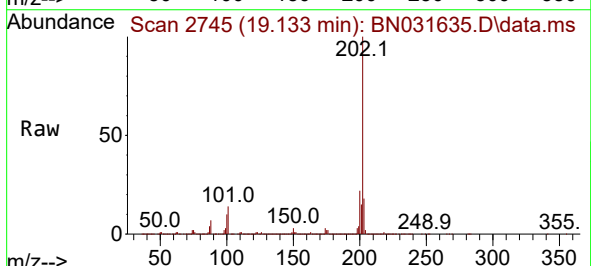
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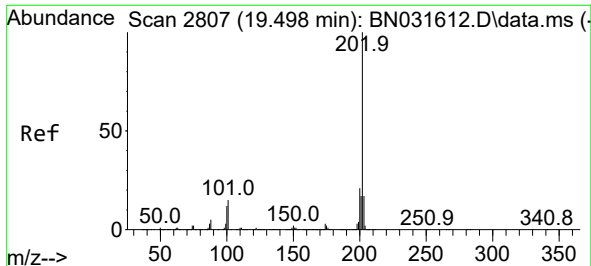
Ion Ratio Lower Upper

202 100

101 13.5 10.1 15.1

100 10.3 8.0 12.0

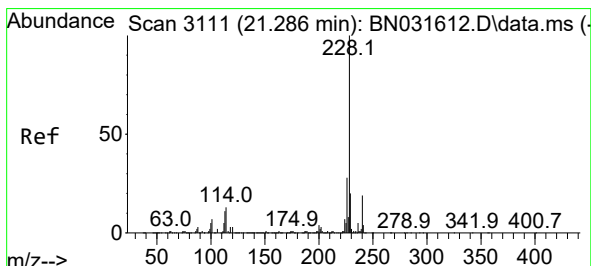
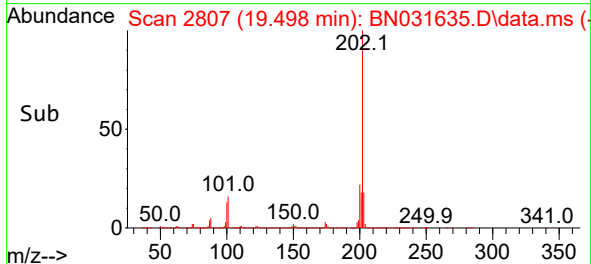
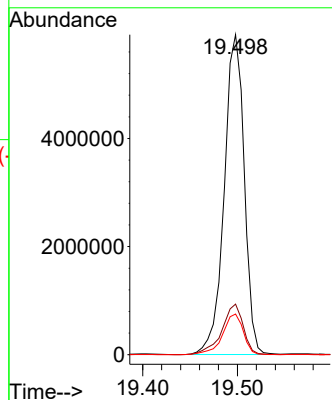
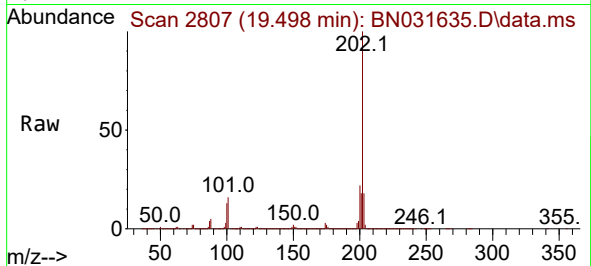




#82  
 Pyrene  
 Concen: 85.992 ng/ul  
 RT: 19.498 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN031635.D  
 Acq: 23 May 2024 16:56

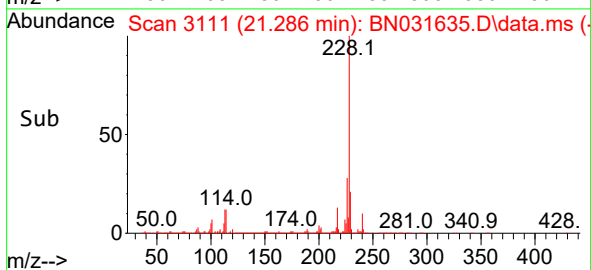
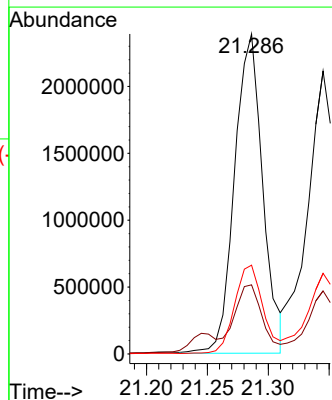
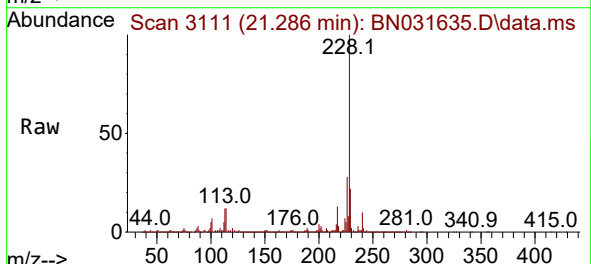
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5W9

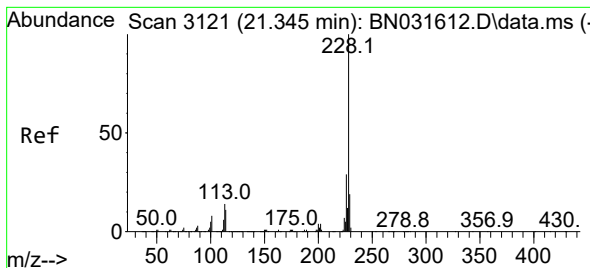
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 100 12.7 9.3 13.9



#85  
 Benzo(a)anthracene  
 Concen: 44.819 ng/ul  
 RT: 21.286 min Scan# 3111  
 Delta R.T. 0.000 min  
 Lab File: BN031635.D  
 Acq: 23 May 2024 16:56

Tgt Ion:228 Resp: 3841686  
 Ion Ratio Lower Upper  
 228 100  
 229 21.6 15.7 23.5  
 226 27.7 21.9 32.9





#87

Chrysene

Concen: 42.940 ng/ul

RT: 21.345 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA\_N

ClientSampleId :

BH5W9

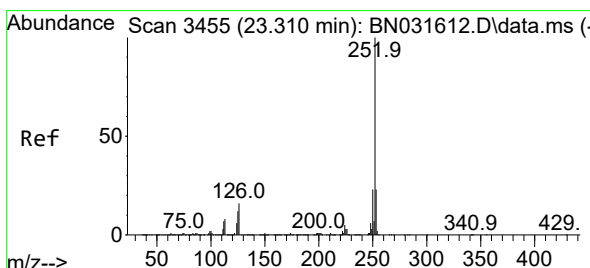
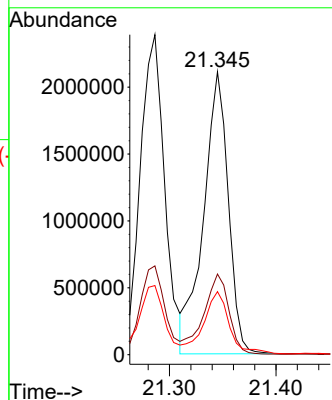
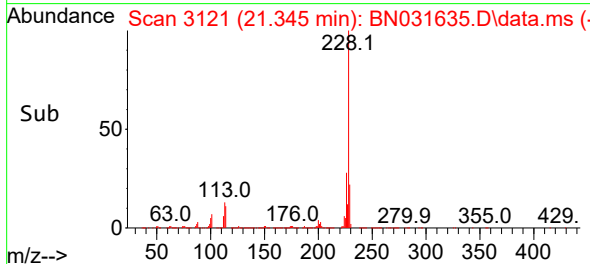
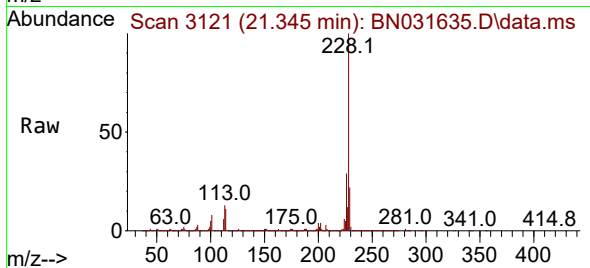
Tgt Ion:228 Resp: 3399846

Ion Ratio Lower Upper

228 100

226 28.5 22.9 34.3

229 22.3 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 48.066 ng/ul

RT: 23.316 min Scan# 3456

Delta R.T. 0.006 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

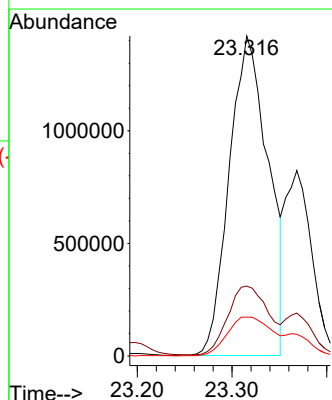
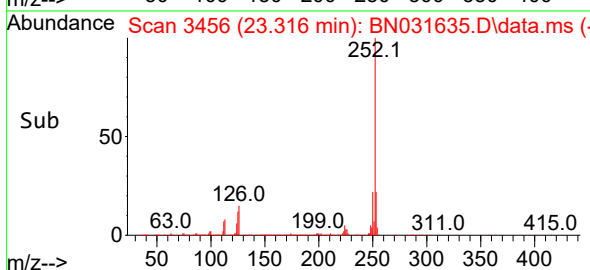
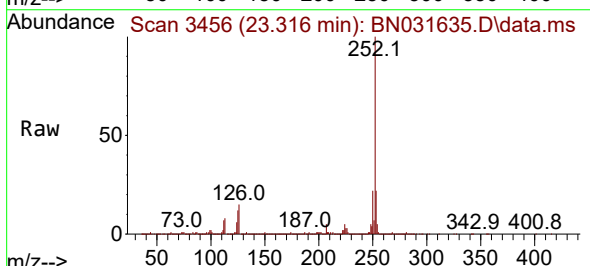
Tgt Ion:252 Resp: 4060055

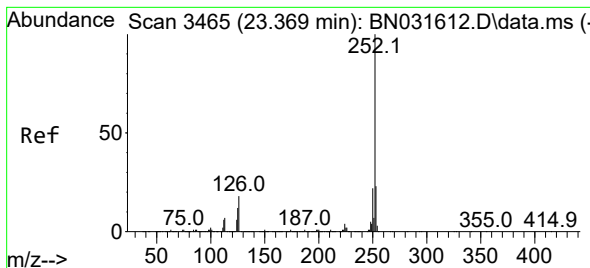
Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

125 12.2 9.3 13.9





#91

Benzo(k)fluoranthene

Concen: 18.188 ng/ul

RT: 23.368 min Scan# 34

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA\_N

ClientSampleId :

BH5W9

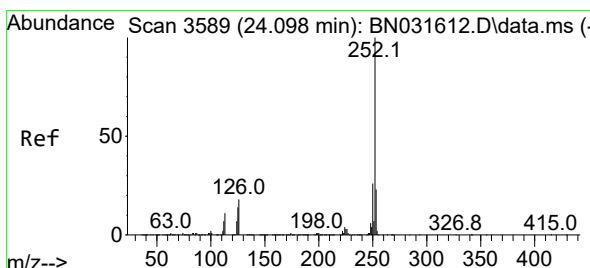
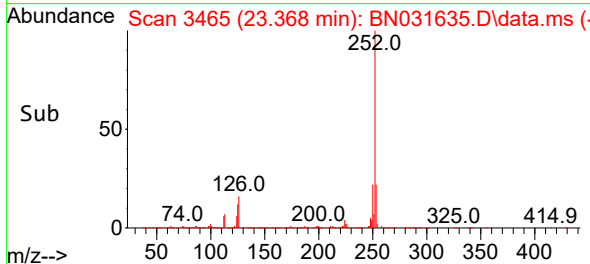
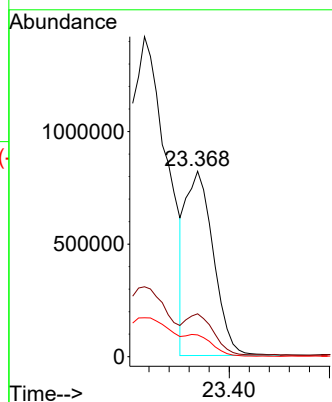
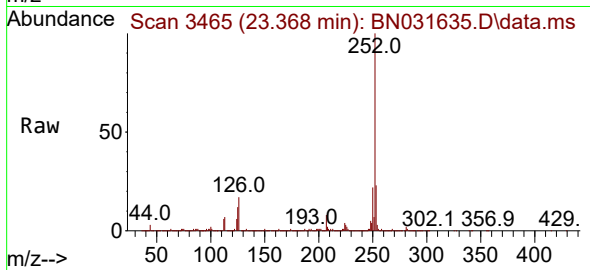
Tgt Ion:252 Resp: 1566033

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.8 9.3 13.9



#93

Benzo(a)pyrene

Concen: 40.064 ng/ul

RT: 24.104 min Scan# 3590

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

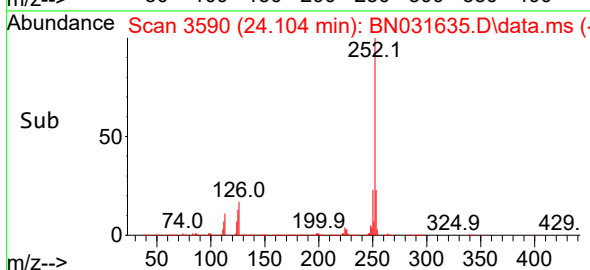
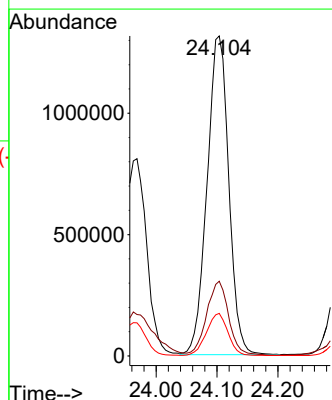
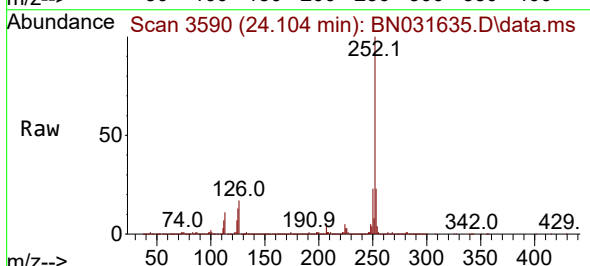
Tgt Ion:252 Resp: 3250807

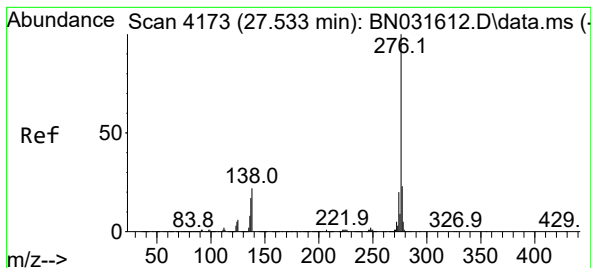
Ion Ratio Lower Upper

252 100

253 23.3 16.6 24.8

125 13.3 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 12.239 ng/ul

RT: 27.533 min Scan# 4117

Delta R.T. 0.000 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

Instrument :

BNA\_N

ClientSampleId :

BH5W9

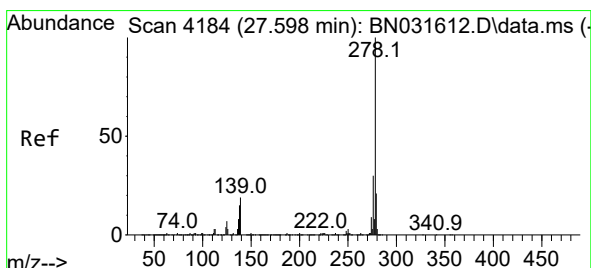
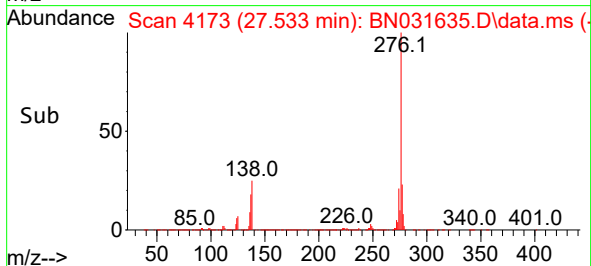
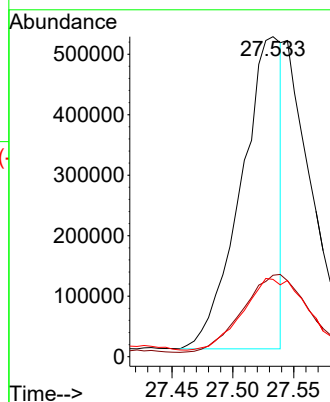
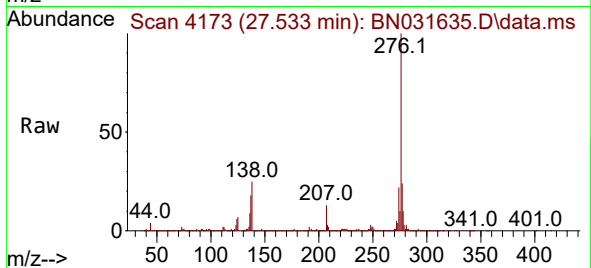
Tgt Ion:276 Resp: 1191870

Ion Ratio Lower Upper

276 100

138 25.5 19.8 29.6

277 24.2 18.2 27.4



#95

Dibenzo(a,h)anthracene

Concen: 3.855 ng/ul

RT: 27.580 min Scan# 4181

Delta R.T. -0.012 min

Lab File: BN031635.D

Acq: 23 May 2024 16:56

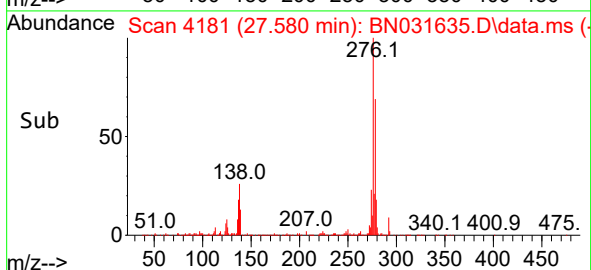
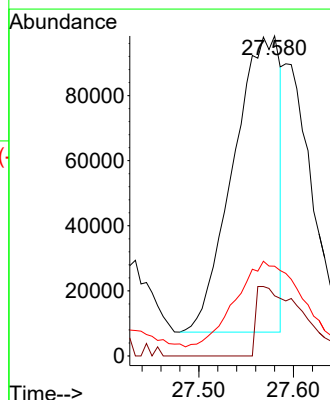
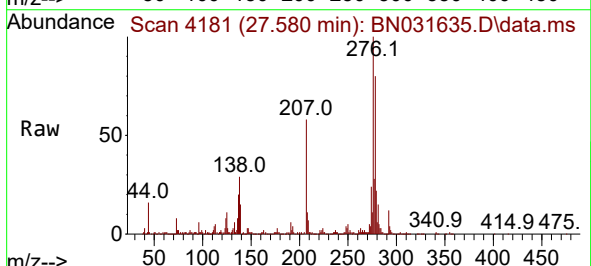
Tgt Ion:278 Resp: 309155

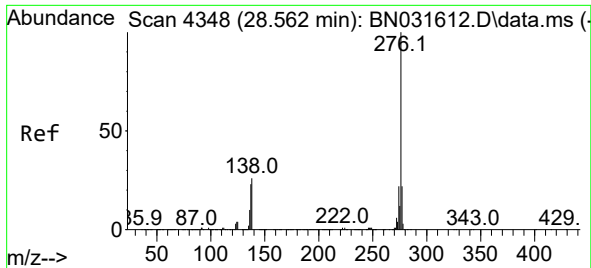
Ion Ratio Lower Upper

278 100

139 18.8 15.2 22.8

279 28.1 18.4 27.6#





#96  
 Benzo(g,h,i)perylene  
 Concen: 25.309 ng/ul  
 RT: 28.562 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: BN031635.D  
 Acq: 23 May 2024 16:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5W9

Tgt Ion:276 Resp: 2036297  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 26.1  | 19.5  | 29.3  |
| 277 | 24.0  | 17.6  | 26.4  |

