

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122721\  
 Data File : BN018210.D  
 Acq On : 27 Dec 2021 19:15  
 Operator : CG/JU  
 Sample : SSTD0.811  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 28 00:19:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 28 00:18:00 2021  
 Response via : Initial Calibration

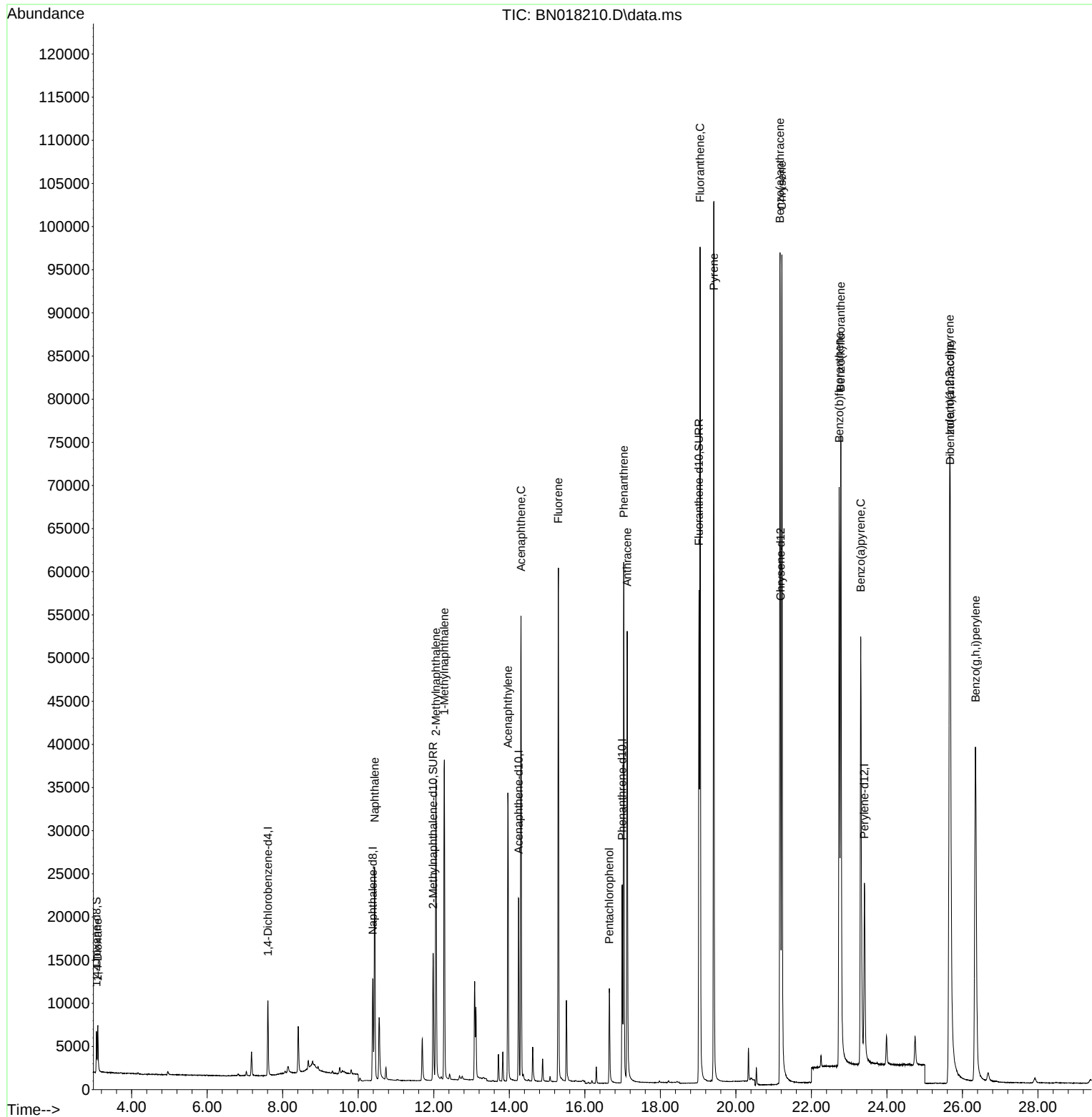
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.607  | 152  | 4732     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.388 | 136  | 16366    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.249 | 164  | 12065    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.991 | 188  | 27640    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.183 | 240  | 30114    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.404 | 264  | 29143    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.072  | 96   | 3207     | 0.656 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.983 | 152  | 20585    | 0.914 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.023 | 212  | 64435    | 0.789 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.105  | 88   | 3614     | 0.611 | ng/ul# | 88       |
| 5) Naphthalene              | 10.432 | 128  | 35602    | 0.765 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.060 | 142  | 26104    | 0.873 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.280 | 142  | 26333    | 0.847 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.963 | 152  | 38409    | 0.805 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.310 | 153  | 31196    | 0.742 | ng/ul  | 99       |
| 12) Fluorene                | 15.300 | 166  | 38073    | 0.782 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.649 | 266  | 7798     | 1.501 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.029 | 178  | 66477    | 0.737 | ng/ul  | 100      |
| 16) Anthracene              | 17.122 | 178  | 60259    | 0.825 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.050 | 202  | 87258    | 0.755 | ng/ul  | 99       |
| 20) Pyrene                  | 19.418 | 202  | 90391    | 0.747 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.165 | 228  | 83282    | 0.832 | ng/ul  | 100      |
| 22) Chrysene                | 21.218 | 228  | 90530    | 0.738 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.737 | 252  | 89036    | 0.798 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 22.778 | 252  | 102492   | 0.737 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.304 | 252  | 83161    | 0.787 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.660 | 276  | 108669   | 0.780 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.677 | 278  | 84461    | 0.801 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 26.345 | 276  | 90832    | 0.791 | ng/ul  | 100      |
| -----                       |        |      |          |       |        |          |

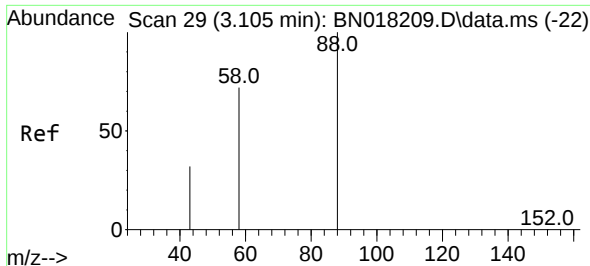
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122721\  
Data File : BN018210.D  
Acq On : 27 Dec 2021 19:15  
Operator : CG/JU  
Sample : SST0.811  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Dec 28 00:19:39 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN122721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 28 00:18:00 2021  
Response via : Initial Calibration

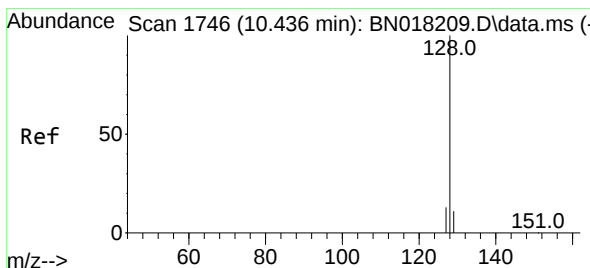
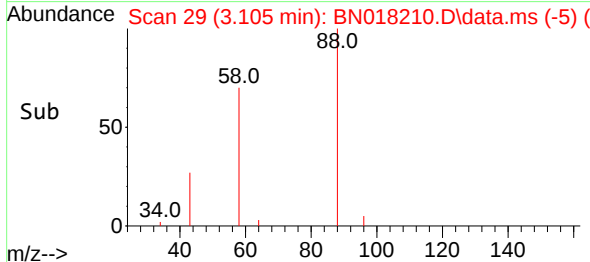
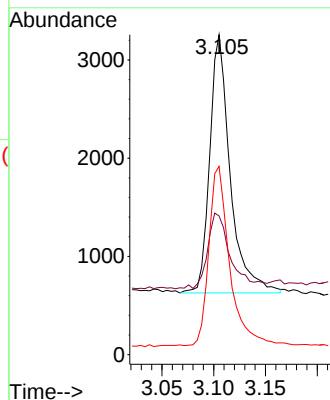
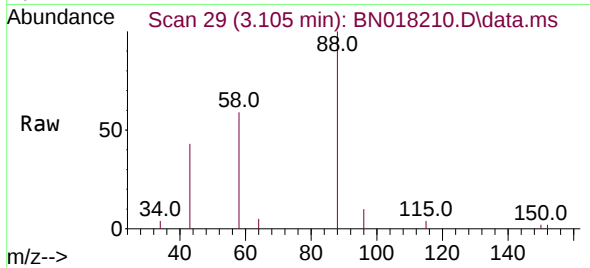




#2  
1,4-Dioxane  
Concen: 0.611 ng/ul  
RT: 3.105 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

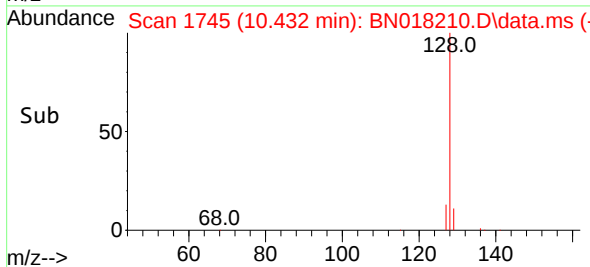
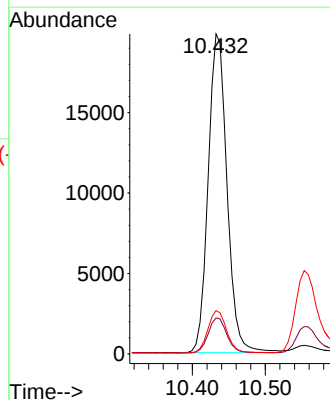
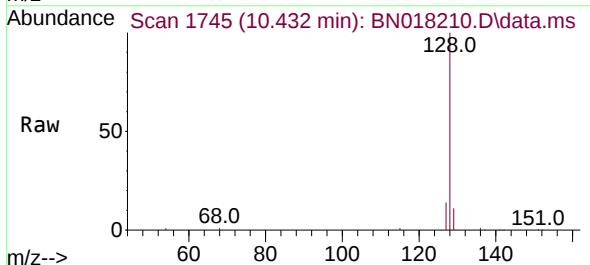
Instrument :  
BNA\_N  
ClientSampleId :

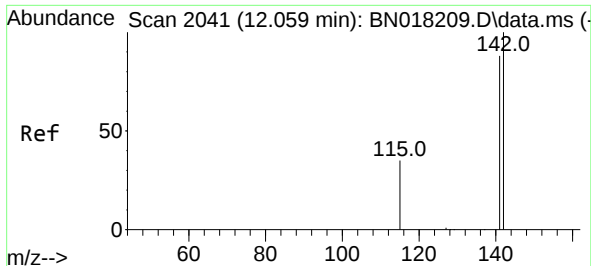
Tgt Ion: 88 Resp: 3614  
Ion Ratio Lower Upper  
88 100  
43 43.4 47.8 71.8#  
58 58.9 46.2 69.2



#5  
Naphthalene  
Concen: 0.765 ng/ul  
RT: 10.432 min Scan# 1745  
Delta R.T. -0.004 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

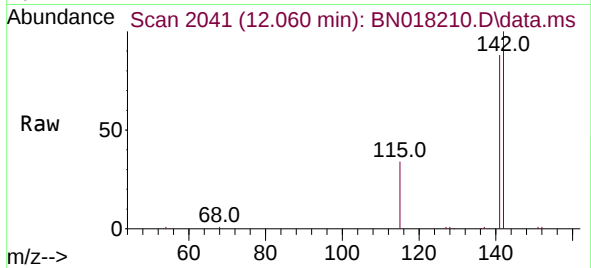
Tgt Ion: 128 Resp: 35602  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.4 14.0  
127 13.6 11.0 16.6



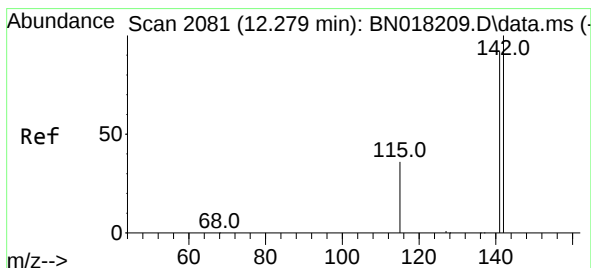
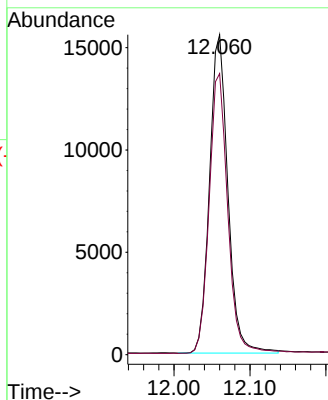
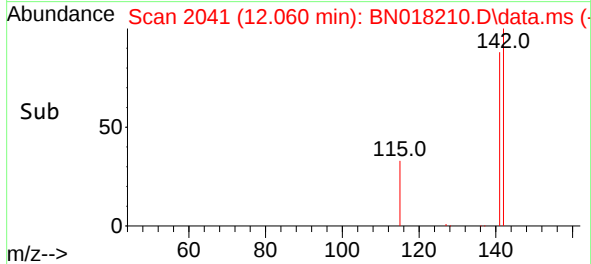


#7  
2-Methylnaphthalene  
Concen: 0.873 ng/ul  
RT: 12.060 min Scan# 2041  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

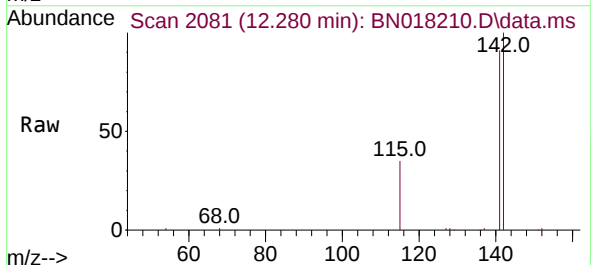
Instrument :  
BNA\_N  
ClientSampleId :



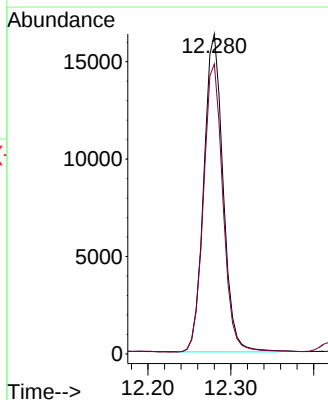
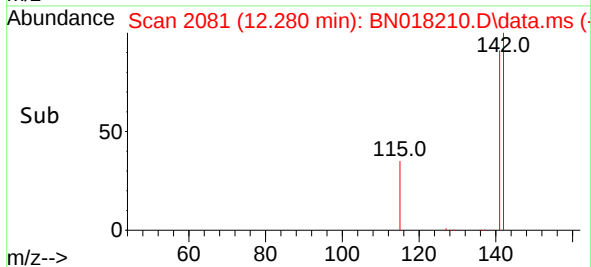
Tgt Ion:142 Resp: 26104  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.9 106.3

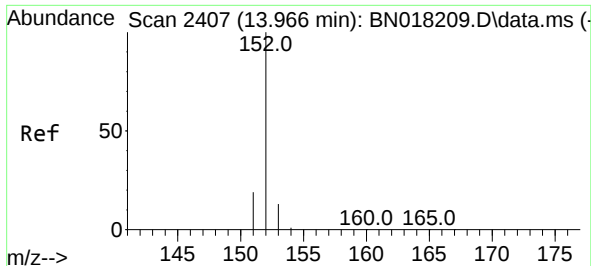


#8  
1-Methylnaphthalene  
Concen: 0.847 ng/ul  
RT: 12.280 min Scan# 2081  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15



Tgt Ion:142 Resp: 26333  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.2 109.8

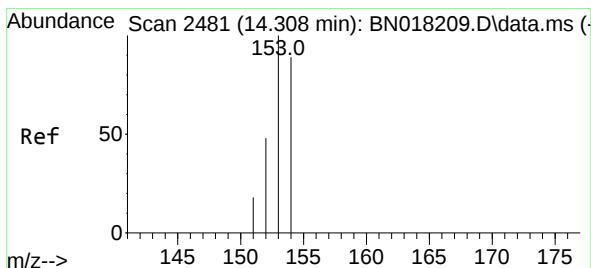
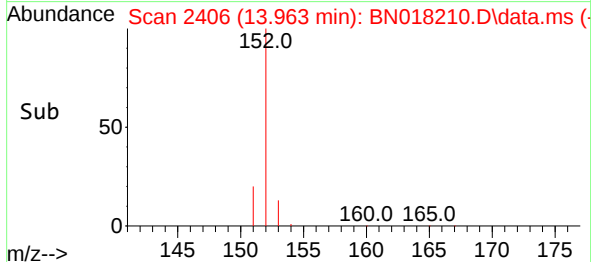
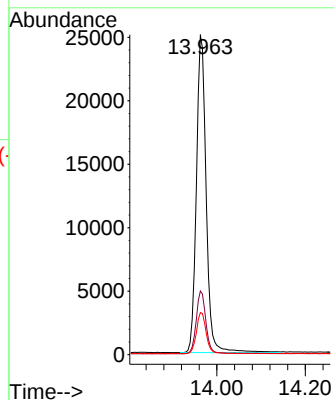
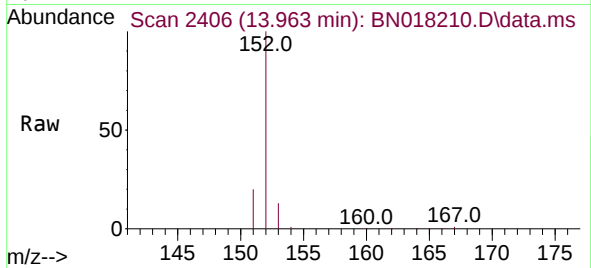




#10  
Acenaphthylene  
Concen: 0.805 ng/ul  
RT: 13.963 min Scan# 2406  
Delta R.T. -0.003 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

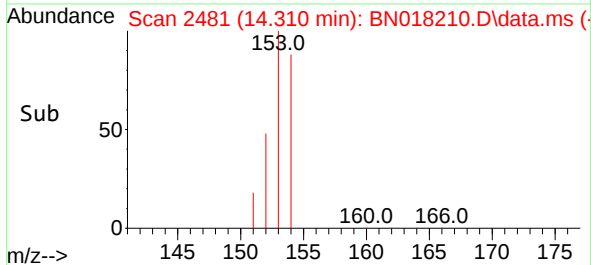
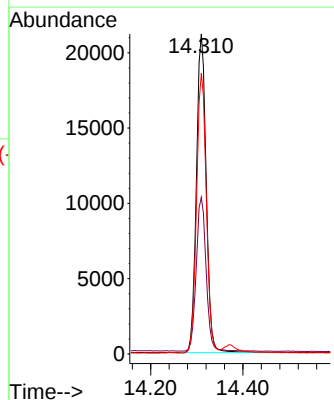
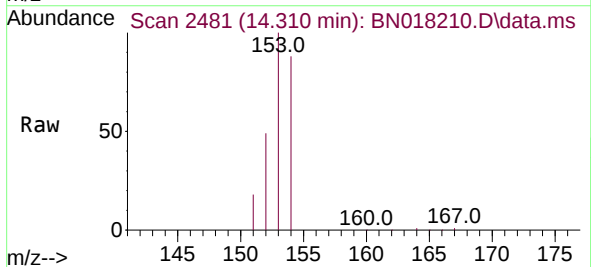
Instrument :  
BNA\_N  
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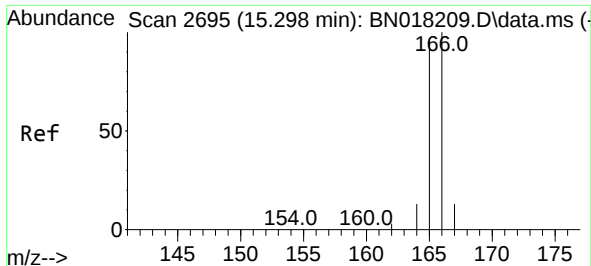
Tgt Ion:152 Resp: 38409  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.8 23.8  
153 13.1 10.7 16.1



#11  
Acenaphthene  
Concen: 0.742 ng/ul  
RT: 14.310 min Scan# 2481  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

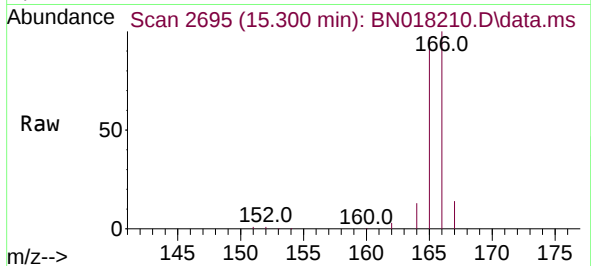
Tgt Ion:153 Resp: 31196  
Ion Ratio Lower Upper  
153 100  
152 49.0 39.7 59.5  
154 87.7 70.9 106.3



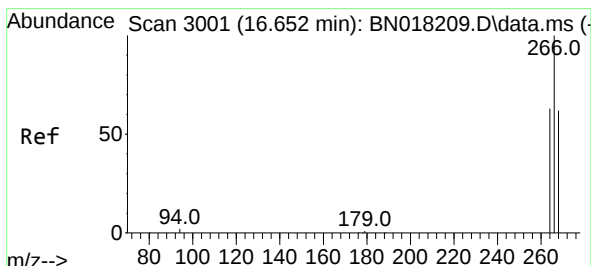
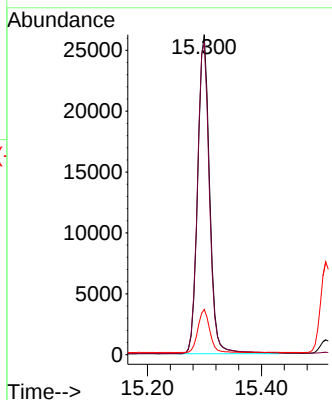
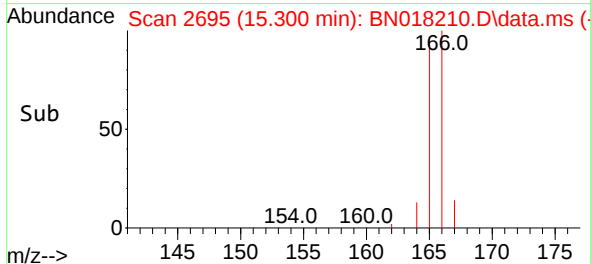


#12  
Fluorene  
Concen: 0.782 ng/ul  
RT: 15.300 min Scan# 2000  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

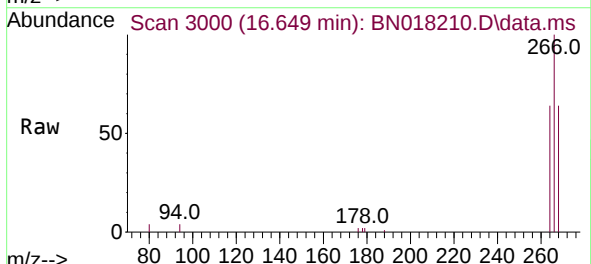
Instrument :  
BNA\_N  
ClientSampleId :



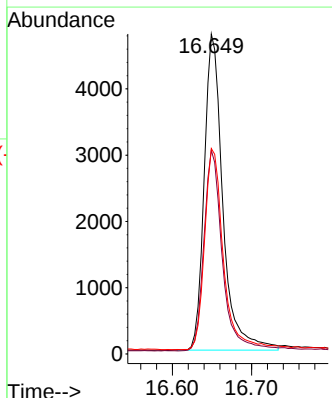
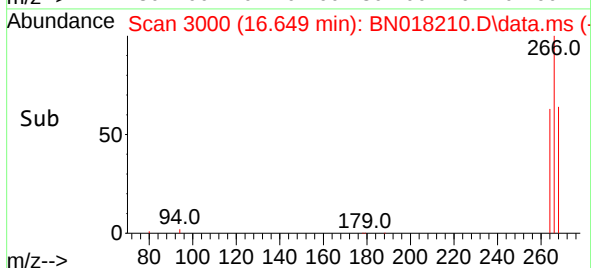
Tgt Ion:166 Resp: 38073  
Ion Ratio Lower Upper  
166 100  
165 97.4 77.8 116.6  
167 14.2 11.6 17.4

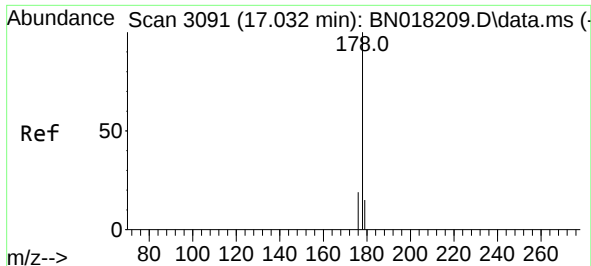


#14  
Pentachlorophenol  
Concen: 1.501 ng/ul  
RT: 16.649 min Scan# 3000  
Delta R.T. -0.003 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15



Tgt Ion:266 Resp: 7798  
Ion Ratio Lower Upper  
266 100  
264 63.1 49.9 74.9  
268 64.4 51.7 77.5

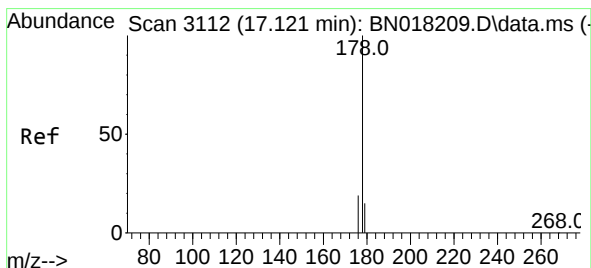
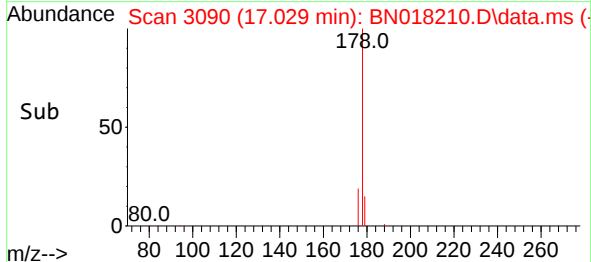
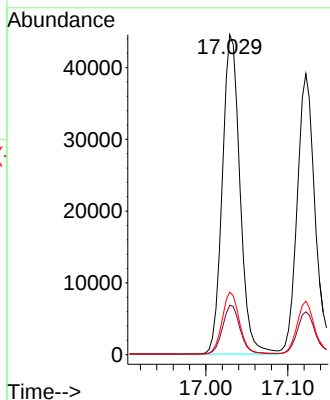
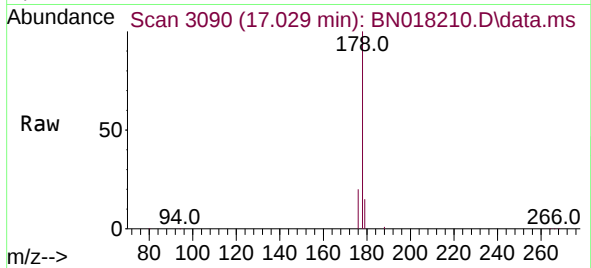




#15  
Phenanthrene  
Concen: 0.737 ng/ul  
RT: 17.029 min Scan# 3091  
Delta R.T. -0.003 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

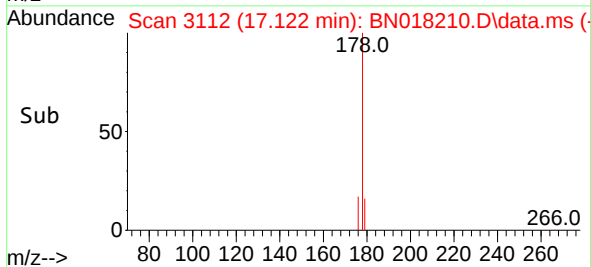
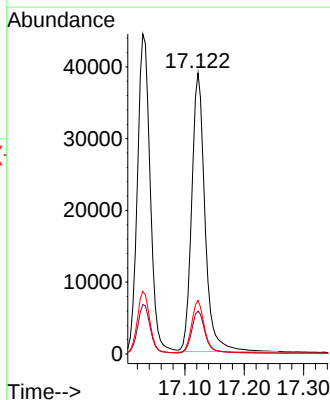
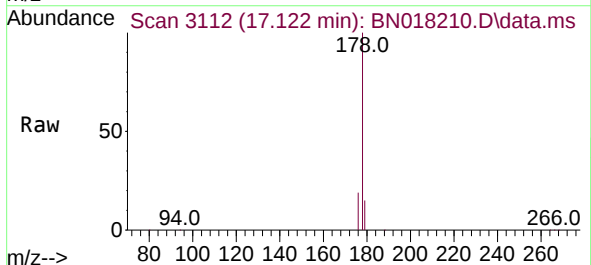
Instrument :  
BNA\_N  
ClientSampleId :

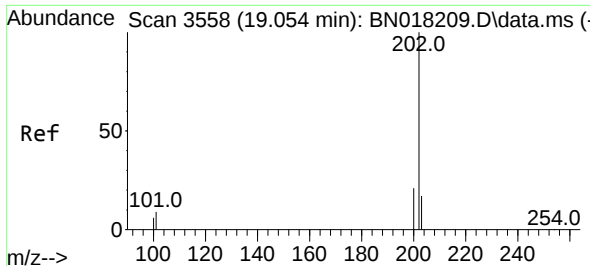
Tgt Ion:178 Resp: 66477  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.2 18.4  
176 19.6 15.4 23.2



#16  
Anthracene  
Concen: 0.825 ng/ul  
RT: 17.122 min Scan# 3112  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

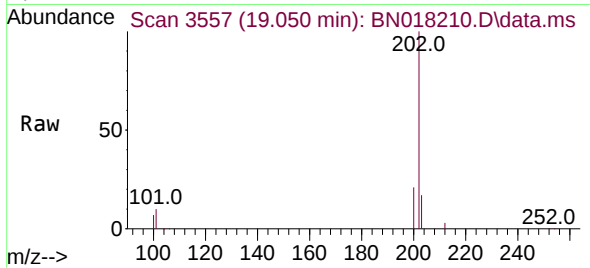
Tgt Ion:178 Resp: 60259  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.3 18.5  
176 19.1 15.5 23.3



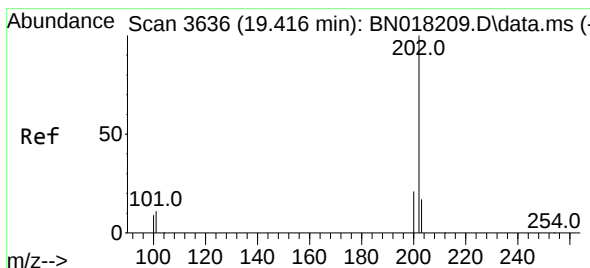
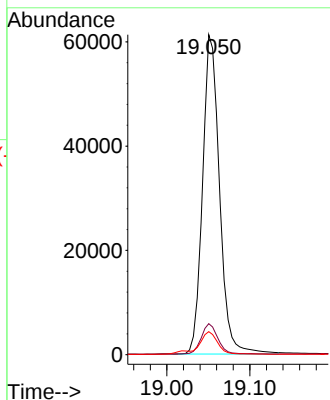
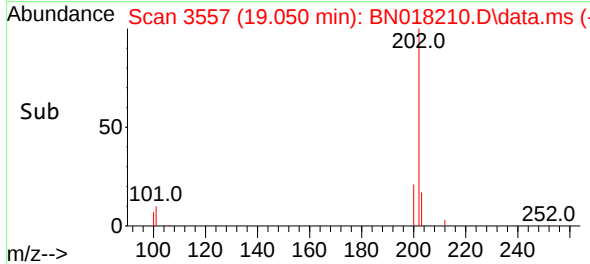


#19  
Fluoranthene  
Concen: 0.755 ng/ul  
RT: 19.050 min Scan# 3557  
Delta R.T. -0.003 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

Instrument :  
BNA\_N  
ClientSampleId :

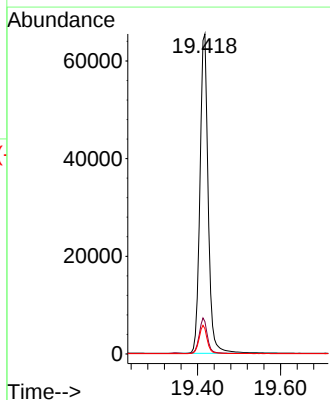
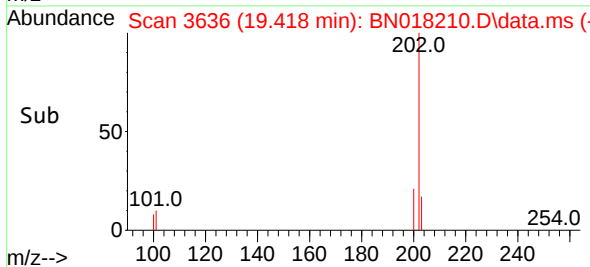
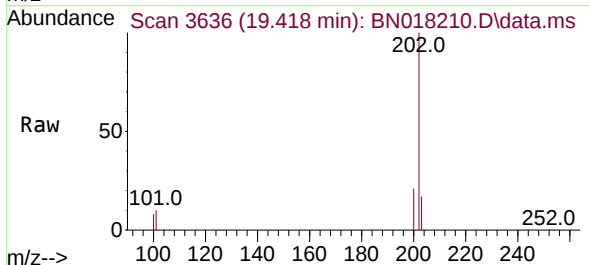


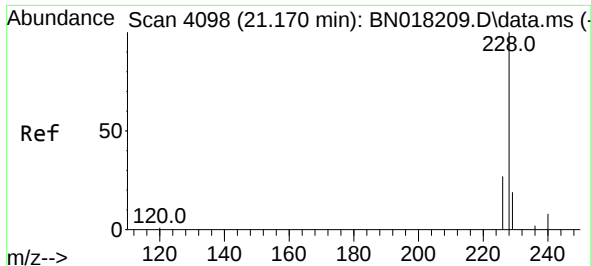
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Ion Ratio Lower Upper  
202 100  
101 9.7 7.5 11.3  
100 7.2 5.4 8.2



#20  
Pyrene  
Concen: 0.747 ng/ul  
RT: 19.418 min Scan# 3636  
Delta R.T. 0.001 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

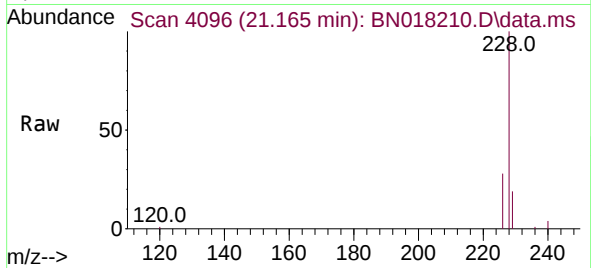
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Ion Ratio Lower Upper  
202 100  
101 10.1 9.0 13.4  
100 7.9 7.0 10.4



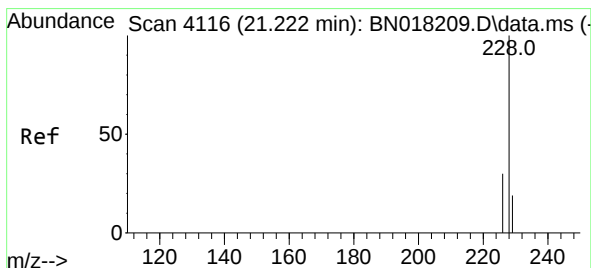
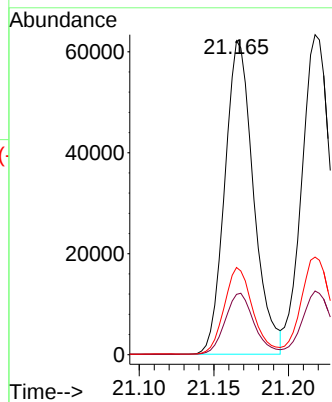
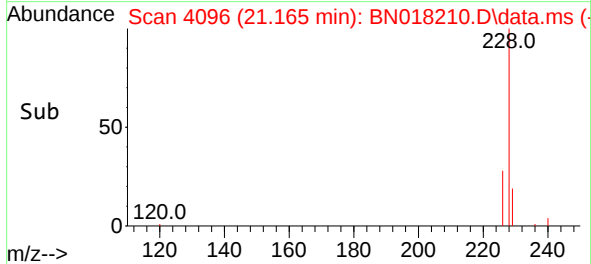


#21  
Benzo(a)anthracene  
Concen: 0.832 ng/ul  
RT: 21.165 min Scan# 4098  
Delta R.T. -0.004 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

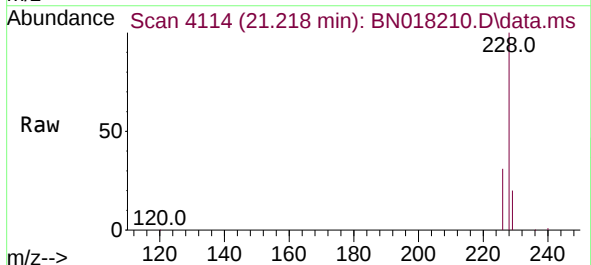
Instrument :  
BNA\_N  
ClientSampleId :



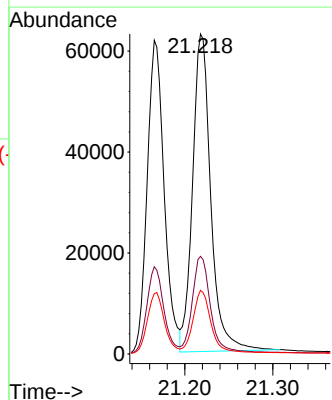
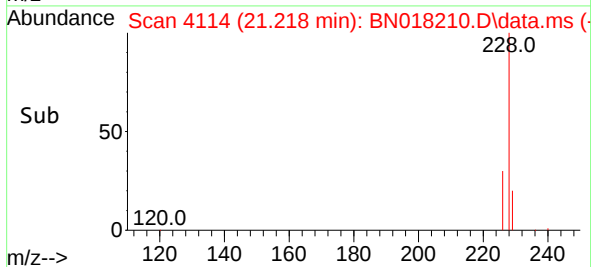
Tgt Ion:228 Resp: 83282  
Ion Ratio Lower Upper  
228 100  
229 19.2 15.6 23.4  
226 27.8 22.1 33.1

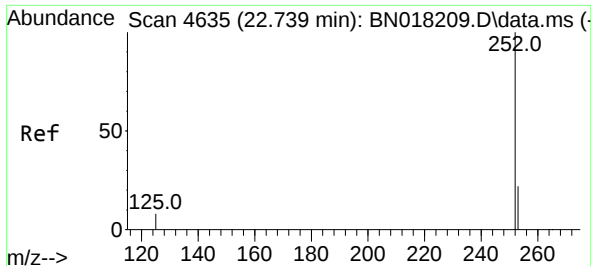


#22  
Chrysene  
Concen: 0.738 ng/ul  
RT: 21.218 min Scan# 4114  
Delta R.T. -0.004 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15



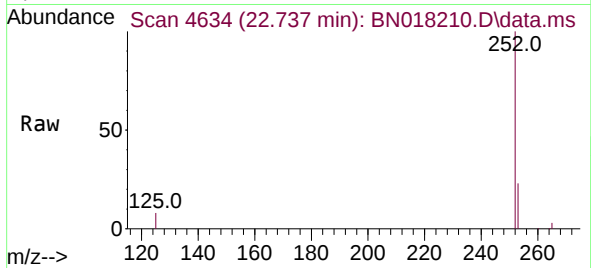
Tgt Ion:228 Resp: 90530  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.2 36.4  
229 19.9 15.7 23.5



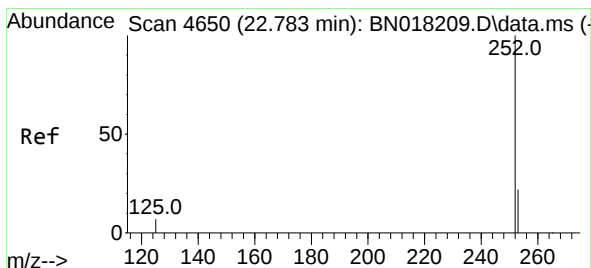
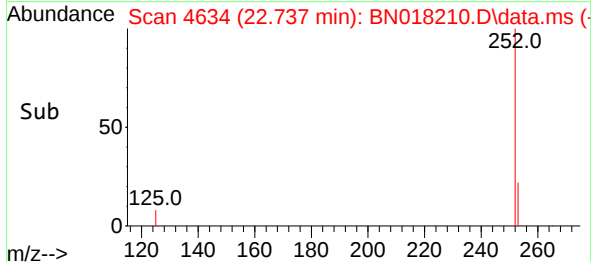
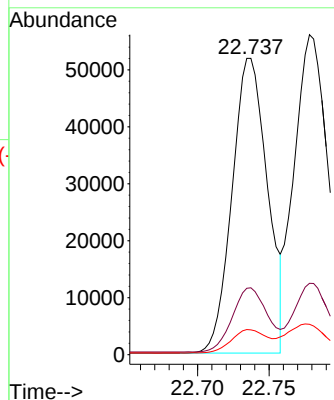


#24  
Benzo(b)fluoranthene  
Concen: 0.798 ng/ul  
RT: 22.737 min Scan# 4635  
Delta R.T. -0.002 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

Instrument :  
BNA\_N  
ClientSampleId :

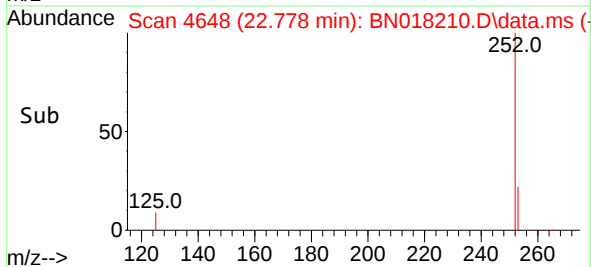
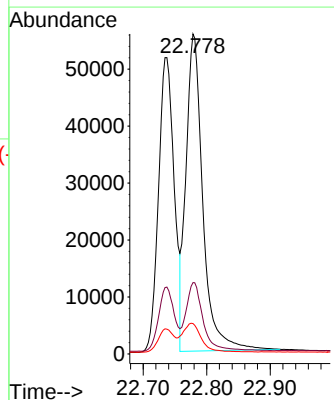
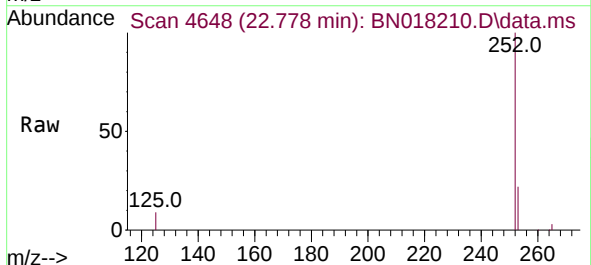


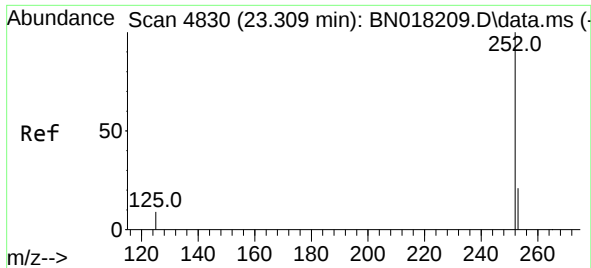
Tgt Ion:252 Resp: 89036  
Ion Ratio Lower Upper  
252 100  
253 22.6 0.0 46.4  
125 8.4 0.0 17.8



#25  
Benzo(k)fluoranthene  
Concen: 0.737 ng/ul  
RT: 22.778 min Scan# 4648  
Delta R.T. -0.004 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

Tgt Ion:252 Resp: 102492  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.6 28.0  
125 9.5 7.3 10.9

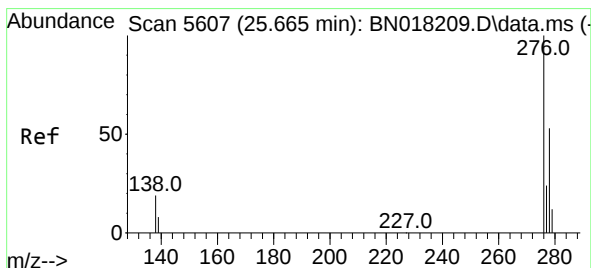
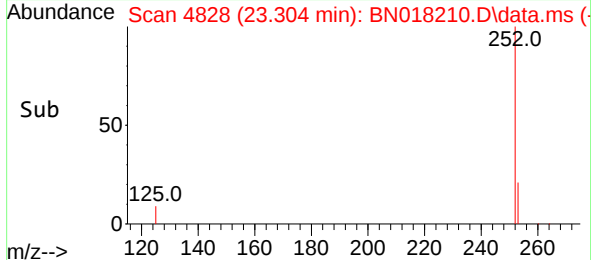
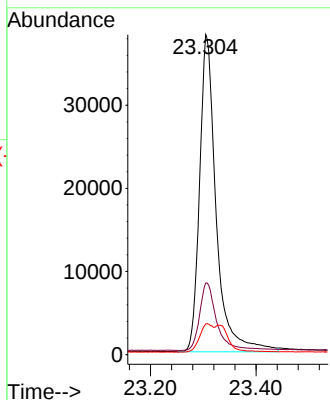
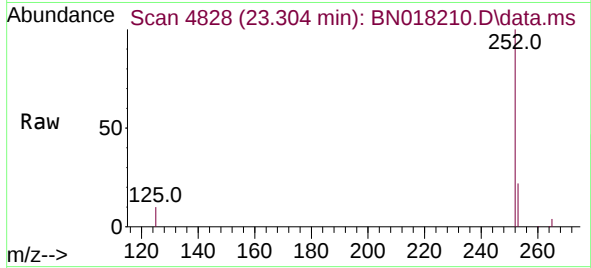




#26  
Benzo(a)pyrene  
Concen: 0.787 ng/ul  
RT: 23.304 min Scan# 4830  
Delta R.T. -0.004 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

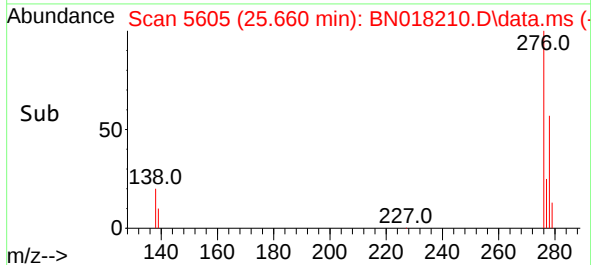
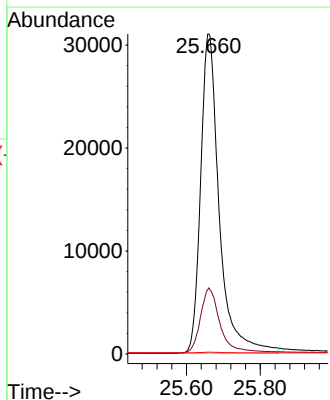
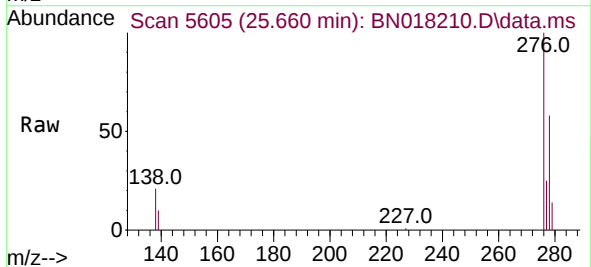
Instrument :  
BNA\_N  
ClientSampleId :

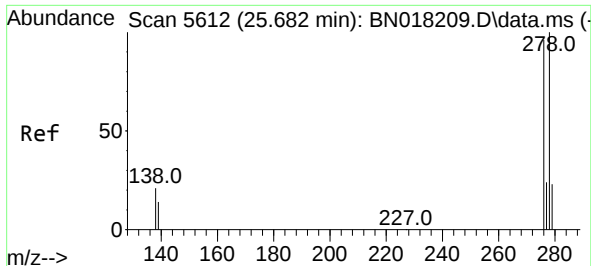
Tgt Ion:252 Resp: 83161  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.9 28.3  
125 9.6 8.2 12.2



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.780 ng/ul  
RT: 25.660 min Scan# 5605  
Delta R.T. -0.005 min  
Lab File: BN018210.D  
Acq: 27 Dec 2021 19:15

Tgt Ion:276 Resp: 108669  
Ion Ratio Lower Upper  
276 100  
138 21.5 16.5 24.7  
227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.801 ng/ul

RT: 25.677 min Scan# 50

Delta R.T. -0.005 min

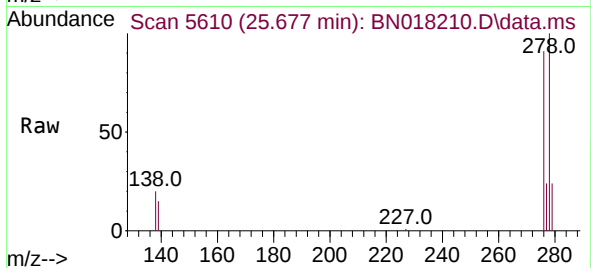
Lab File: BN018210.D

Acq: 27 Dec 2021 19:15

Instrument :

BNA\_N

ClientSampleId :



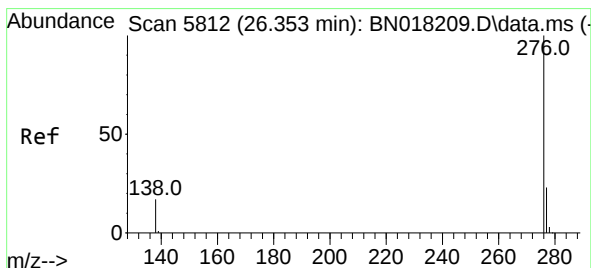
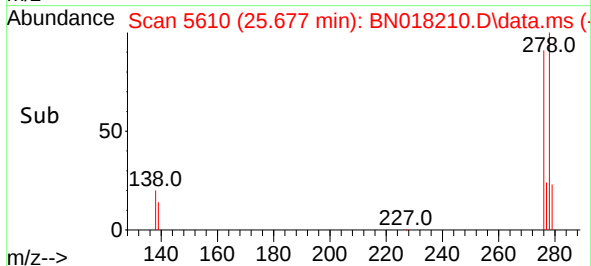
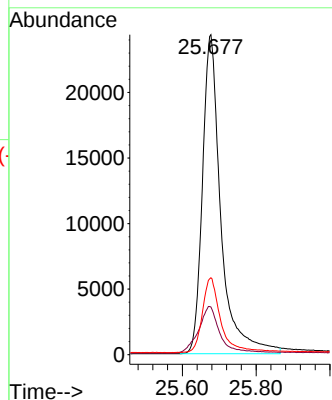
Tgt Ion:278 Resp: 84461

Ion Ratio Lower Upper

278 100

139 14.9 11.9 17.9

279 24.1 19.5 29.3



#29

Benzo(g,h,i)perylene

Concen: 0.791 ng/ul

RT: 26.345 min Scan# 5809

Delta R.T. -0.008 min

Lab File: BN018210.D

Acq: 27 Dec 2021 19:15

Tgt Ion:276 Resp: 90832

Ion Ratio Lower Upper

276 100

138 18.0 14.4 21.6

277 23.8 19.2 28.8

