

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110924\  
 Data File : BN034918.D  
 Acq On : 08 Nov 2024 23:40  
 Operator : RC/JU  
 Sample : SSTD3.236  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD3.2221

Quant Time: Nov 09 00:06:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 08 23:54:11 2024  
 Response via : Initial Calibration

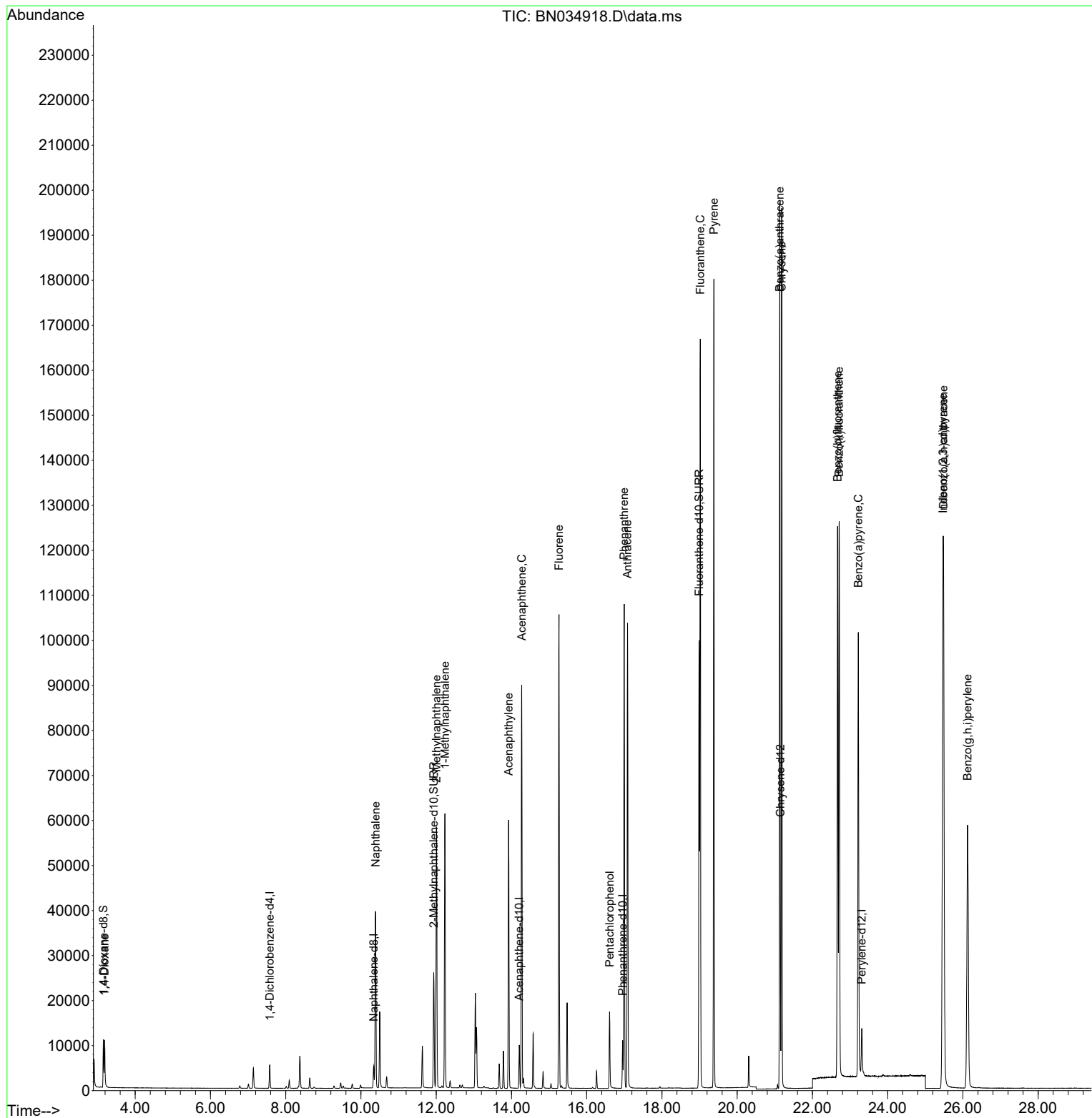
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.575  | 152  | 2614     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.339 | 136  | 6586     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.208 | 164  | 5041     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.954 | 188  | 12367    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.145 | 240  | 13614    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.311 | 264  | 12996    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.153  | 96   | 7471     | 2.761 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.934 | 152  | 32192    | 3.898 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.986 | 212  | 110676   | 2.498 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.187  | 88   | 8174     | 2.752 | ng/ul# | 93       |
| 5) Naphthalene              | 10.388 | 128  | 51570    | 2.957 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.005 | 142  | 39271    | 3.462 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.231 | 142  | 39543    | 3.424 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.926 | 152  | 65478    | 2.853 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.273 | 153  | 49291    | 2.808 | ng/ul  | 98       |
| 12) Fluorene                | 15.263 | 166  | 62523    | 3.198 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.607 | 266  | 10668    | 4.371 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.996 | 178  | 106375   | 2.846 | ng/ul  | 98       |
| 16) Anthracene              | 17.085 | 178  | 104293   | 3.013 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.018 | 202  | 145303   | 2.200 | ng/ul  | 100      |
| 20) Pyrene                  | 19.381 | 202  | 150788   | 2.193 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.131 | 228  | 159306   | 2.924 | ng/ul  | 99       |
| 22) Chrysene                | 21.183 | 228  | 154480   | 2.831 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.668 | 252  | 148643   | 2.810 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 22.712 | 252  | 155869   | 2.922 | ng/ul# | 94       |
| 26) Benzo(a)pyrene          | 23.220 | 252  | 133527   | 2.932 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.470 | 276  | 159026   | 3.279 | ng/ul  | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.483 | 278  | 124535   | 3.397 | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 26.124 | 276  | 118983   | 3.123 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

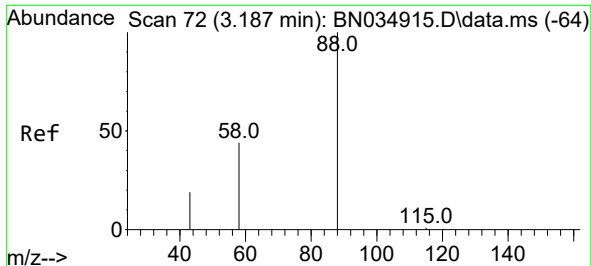
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110924\  
Data File : BN034918.D  
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Sample : SSTD3.236  
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ALS Vial : 7 Sample Multiplier: 1

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SSTD3.2221

Quant Time: Nov 09 00:06:28 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 08 23:54:11 2024  
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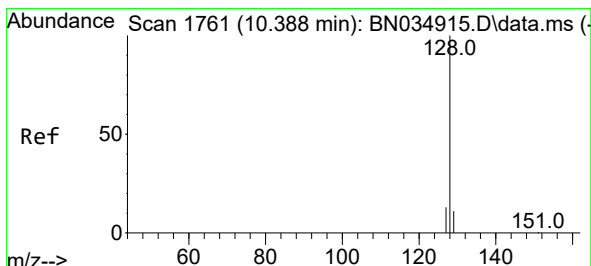
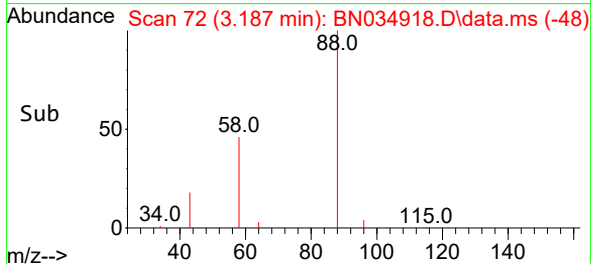
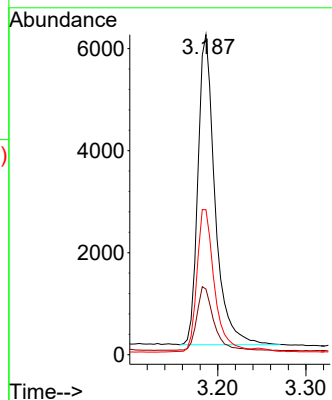
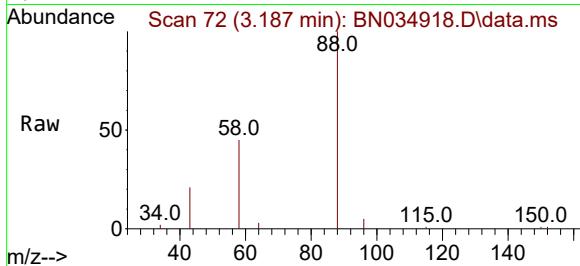




#2  
1,4-Dioxane  
Concen: 2.752 ng/ul  
RT: 3.187 min Scan# 72  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

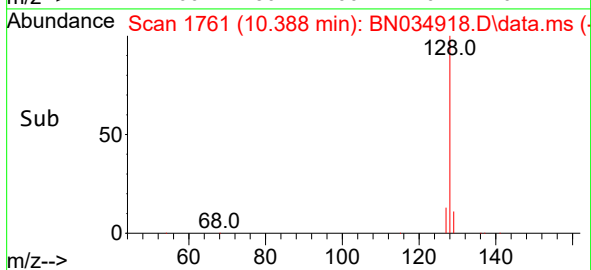
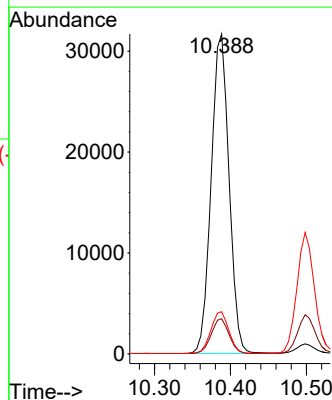
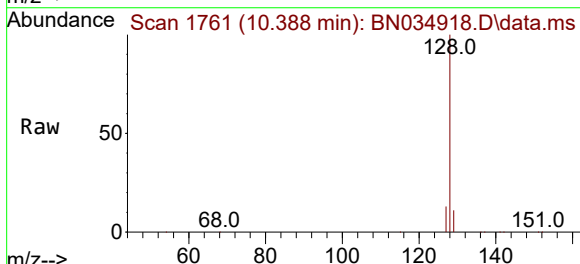
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

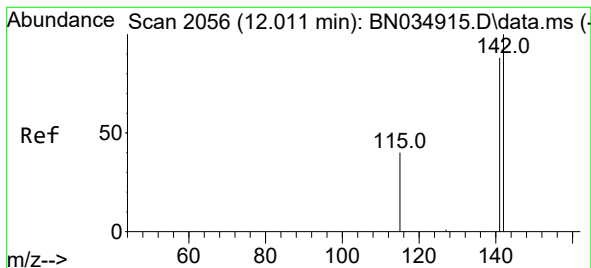
Tgt Ion: 88 Resp: 8174  
Ion Ratio Lower Upper  
88 100  
43 20.5 23.3 34.9#  
58 45.3 35.4 53.2



#5  
Naphthalene  
Concen: 2.957 ng/ul  
RT: 10.388 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:128 Resp: 51570  
Ion Ratio Lower Upper  
128 100  
129 11.0 10.1 15.1  
127 13.2 12.1 18.1

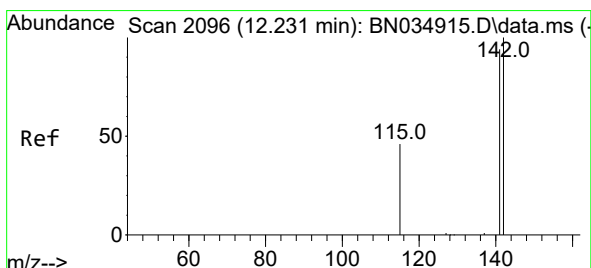
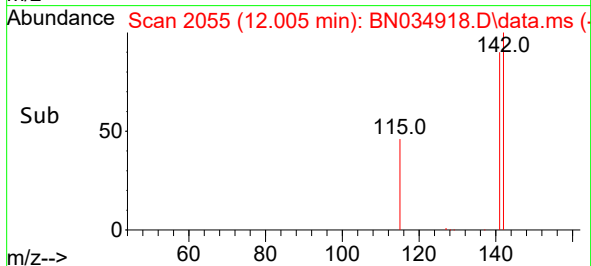
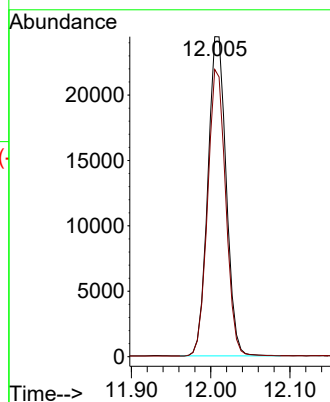
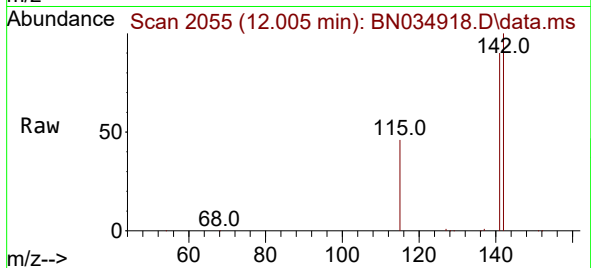




#7  
2-Methylnaphthalene  
Concen: 3.462 ng/ul  
RT: 12.005 min Scan# 2055  
Delta R.T. -0.005 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

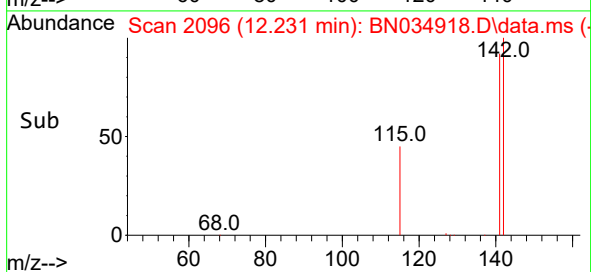
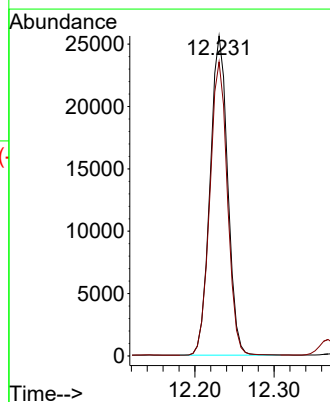
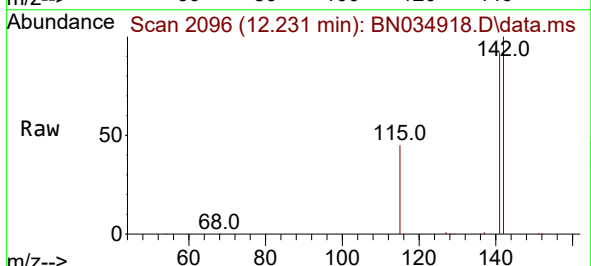
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

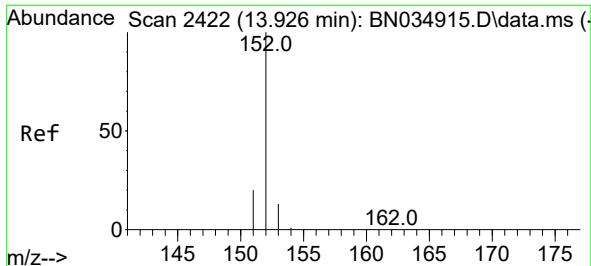
Tgt Ion:142 Resp: 39271  
Ion Ratio Lower Upper  
142 100  
141 88.4 70.8 106.2



#8  
1-Methylnaphthalene  
Concen: 3.424 ng/ul  
RT: 12.231 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:142 Resp: 39543  
Ion Ratio Lower Upper  
142 100  
141 91.6 74.6 111.8

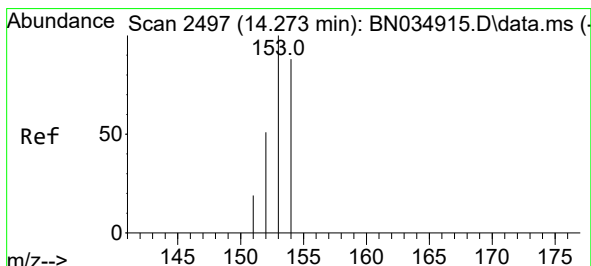
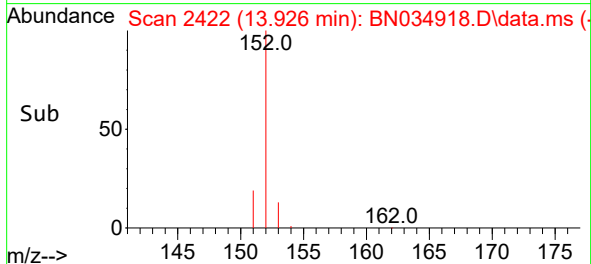
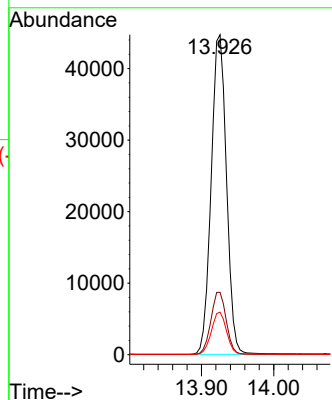
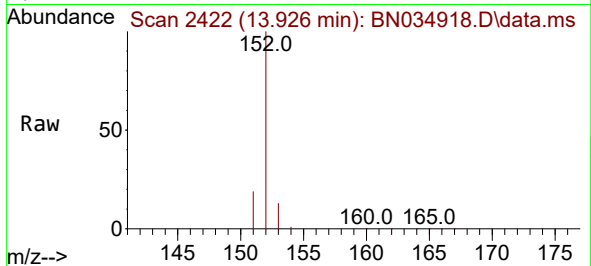




#10  
Acenaphthylene  
Concen: 2.853 ng/ul  
RT: 13.926 min Scan# 2422  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

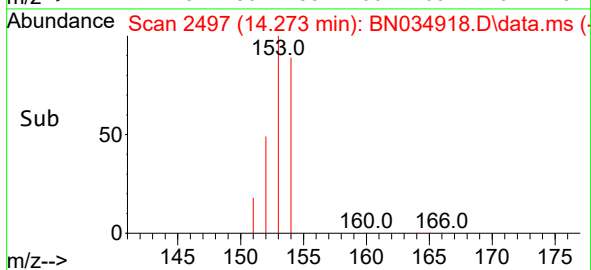
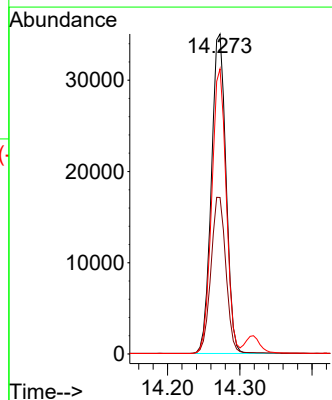
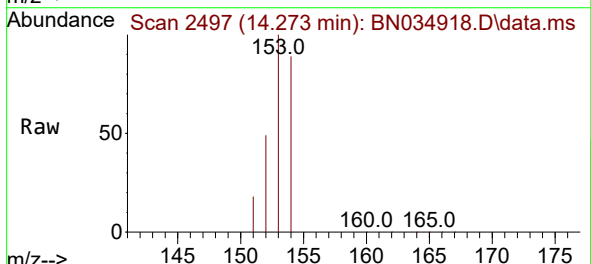
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ClientSampleId :  
SSTD3.2221

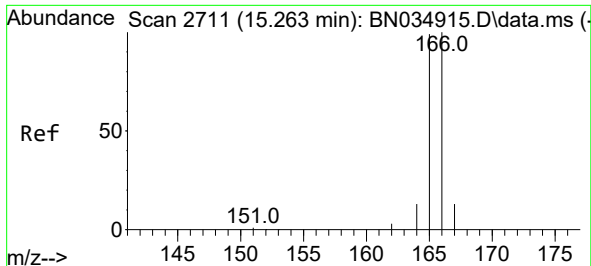
Tgt Ion:152 Resp: 65478  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.6 24.8  
153 13.3 11.0 16.6



#11  
Acenaphthene  
Concen: 2.808 ng/ul  
RT: 14.273 min Scan# 2497  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:153 Resp: 49291  
Ion Ratio Lower Upper  
153 100  
152 48.9 41.5 62.3  
154 89.1 70.9 106.3

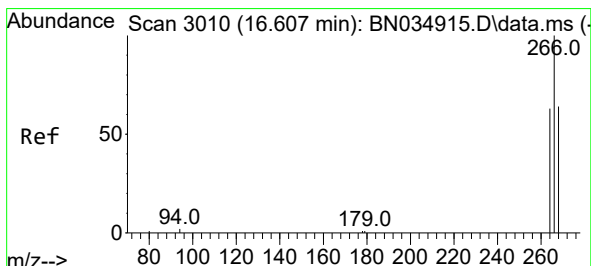
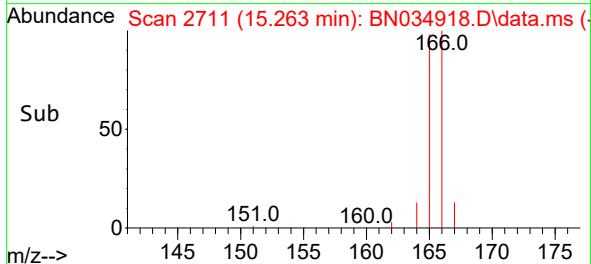
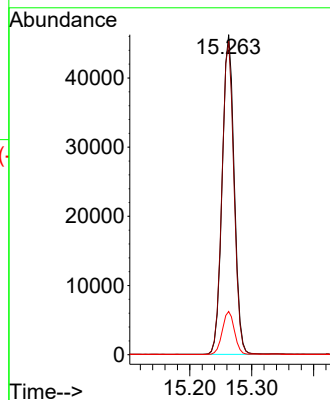
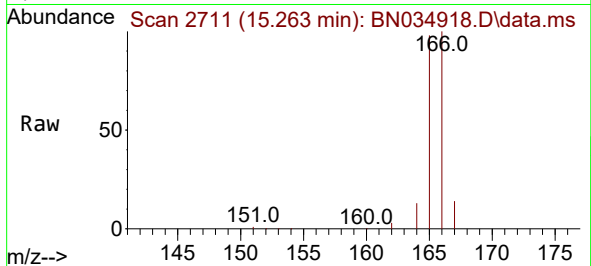




#12  
Fluorene  
Concen: 3.198 ng/ul  
RT: 15.263 min Scan# 2711  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

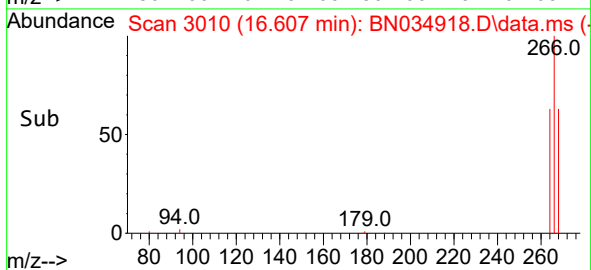
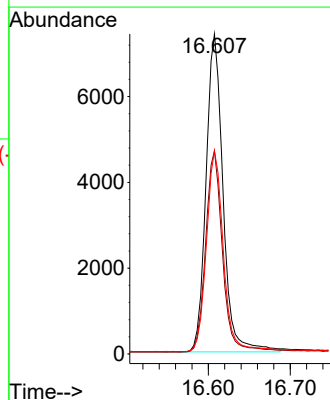
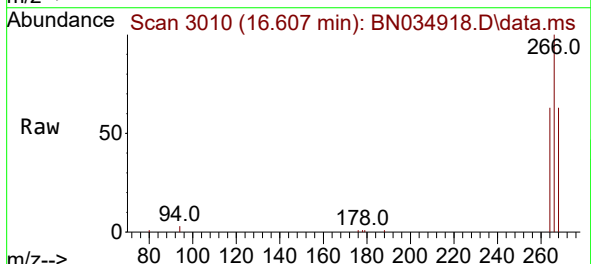
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

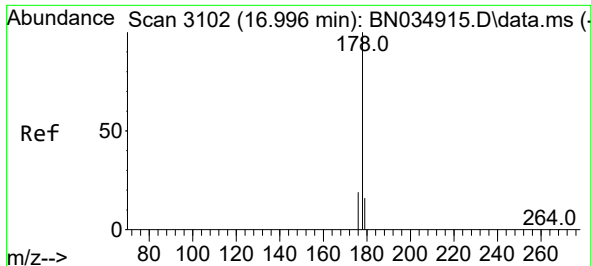
Tgt Ion:166 Resp: 62523  
Ion Ratio Lower Upper  
166 100  
165 97.9 79.0 118.4  
167 13.5 11.8 17.6



#14  
Pentachlorophenol  
Concen: 4.371 ng/ul  
RT: 16.607 min Scan# 3010  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:266 Resp: 10668  
Ion Ratio Lower Upper  
266 100  
264 62.8 50.2 75.2  
268 63.2 48.4 72.6

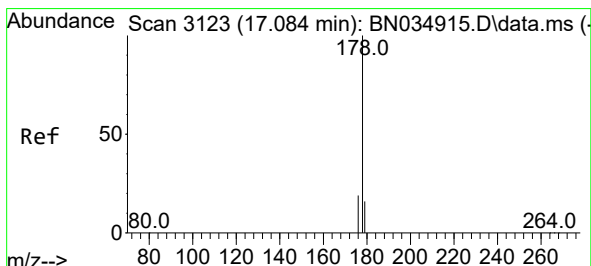
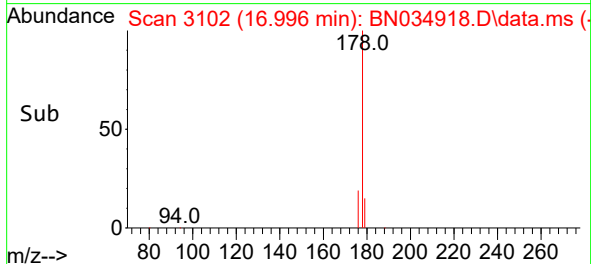
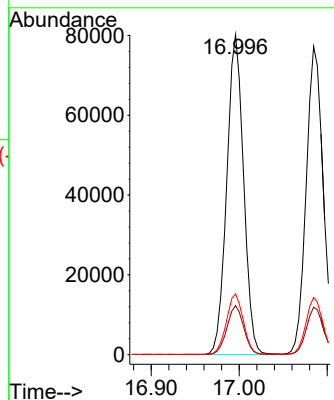
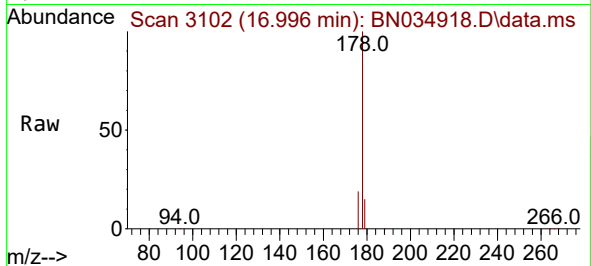




#15  
Phenanthrene  
Concen: 2.846 ng/ul  
RT: 16.996 min Scan# 3102  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

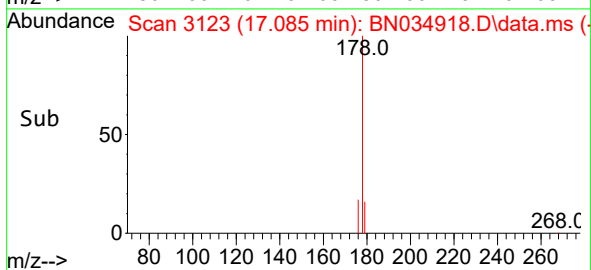
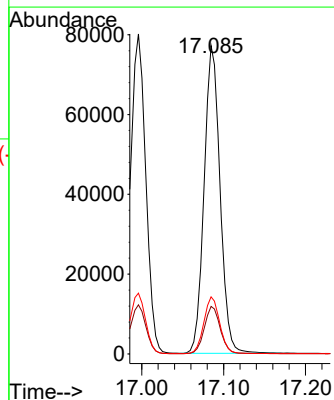
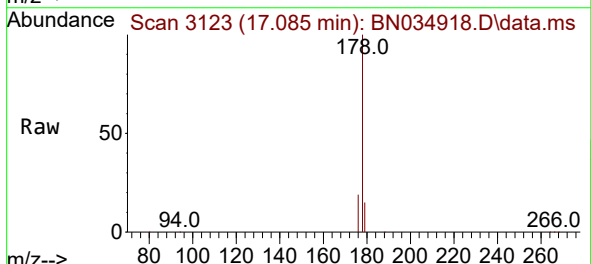
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

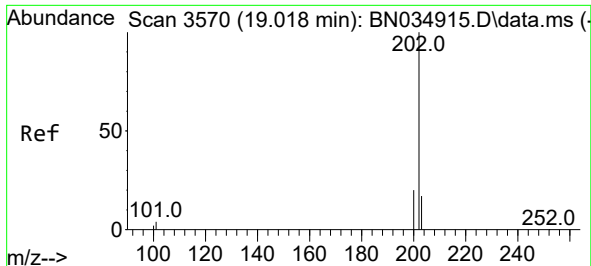
Tgt Ion:178 Resp: 106375  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.4 20.2  
176 19.0 15.8 23.6



#16  
Anthracene  
Concen: 3.013 ng/ul  
RT: 17.085 min Scan# 3123  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:178 Resp: 104293  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.3 19.9  
176 18.5 15.8 23.8





#19

Fluoranthene

Concen: 2.200 ng/ul

RT: 19.018 min Scan# 3570

Delta R.T. 0.000 min

Lab File: BN034918.D

Acq: 08 Nov 2024 23:40

Instrument :

BNA\_N

ClientSampleId :

SSTD3.2221

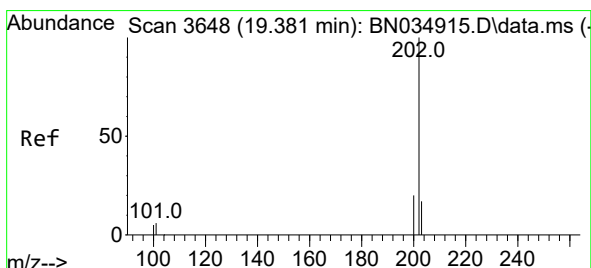
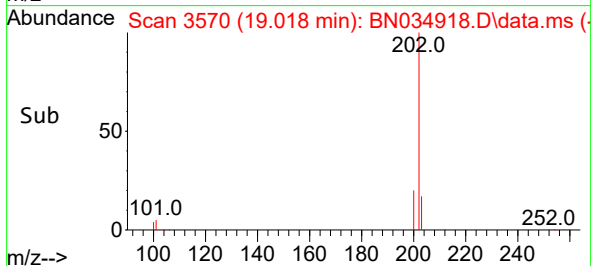
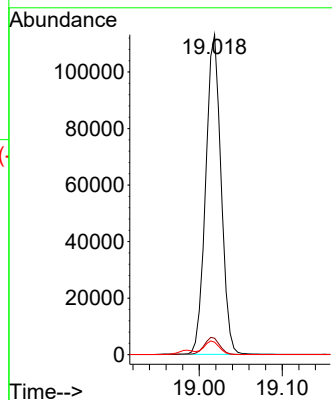
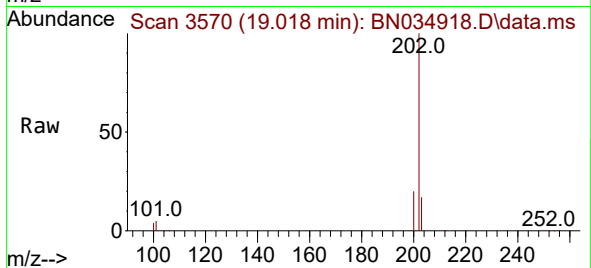
Tgt Ion:202 Resp: 145303

Ion Ratio Lower Upper

202 100

101 5.1 4.2 6.2

100 3.9 3.2 4.8



#20

Pyrene

Concen: 2.193 ng/ul

RT: 19.381 min Scan# 3648

Delta R.T. 0.000 min

Lab File: BN034918.D

Acq: 08 Nov 2024 23:40

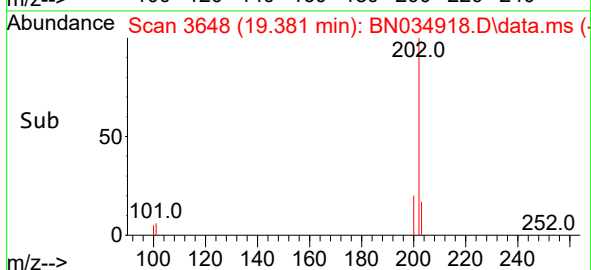
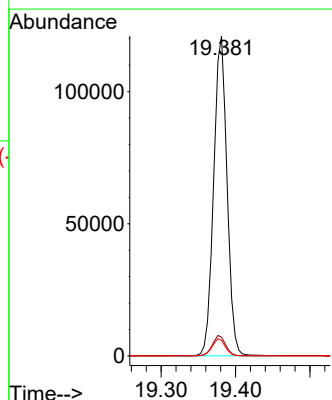
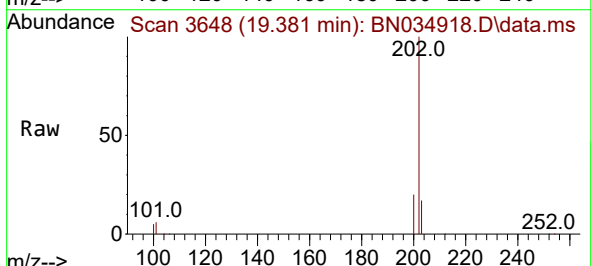
Tgt Ion:202 Resp: 150788

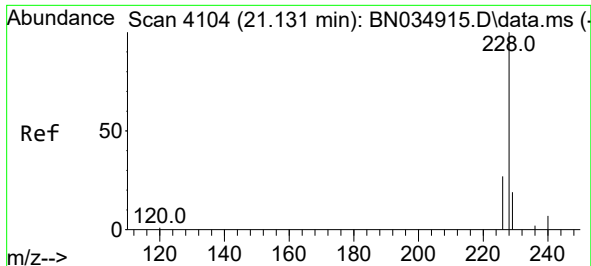
Ion Ratio Lower Upper

202 100

101 5.9 5.0 7.4

100 4.9 4.1 6.1

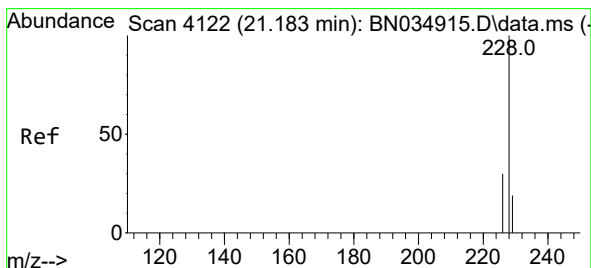
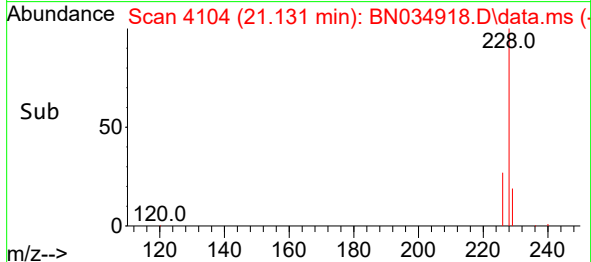
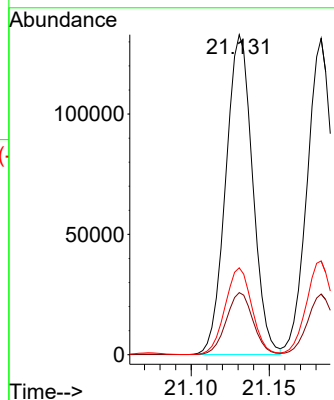
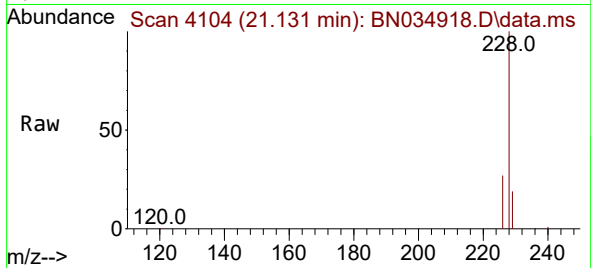




#21  
Benzo(a)anthracene  
Concen: 2.924 ng/ul  
RT: 21.131 min Scan# 4104  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

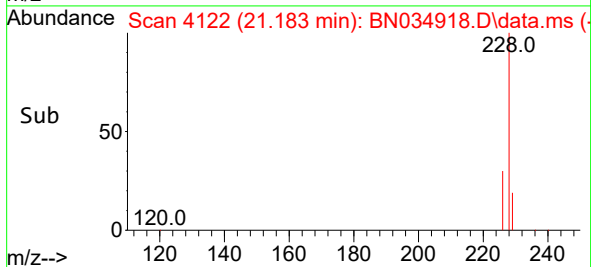
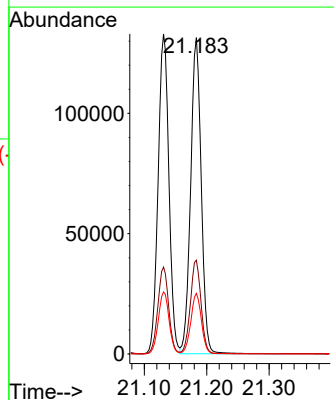
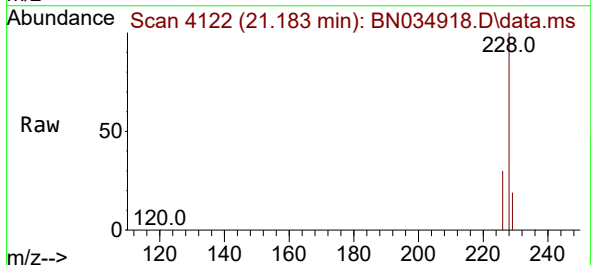
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

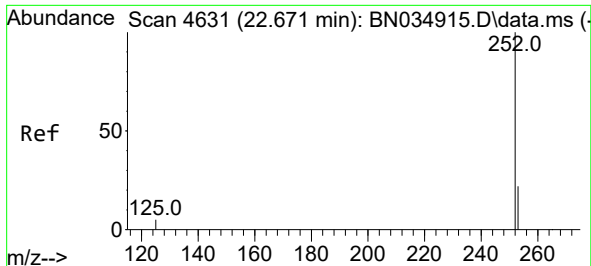
Tgt Ion:228 Resp: 159306  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.8 23.8  
226 27.2 22.2 33.2



#22  
Chrysene  
Concen: 2.831 ng/ul  
RT: 21.183 min Scan# 4122  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

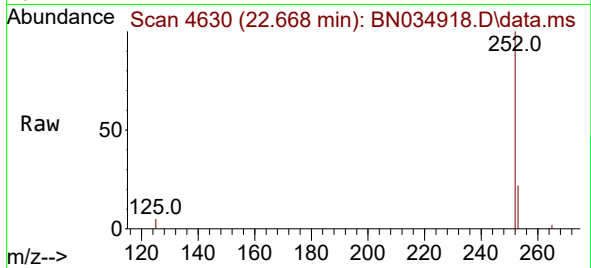
Tgt Ion:228 Resp: 154480  
Ion Ratio Lower Upper  
228 100  
226 29.6 24.2 36.4  
229 19.2 15.4 23.2



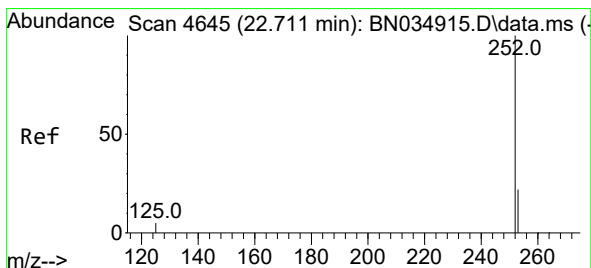
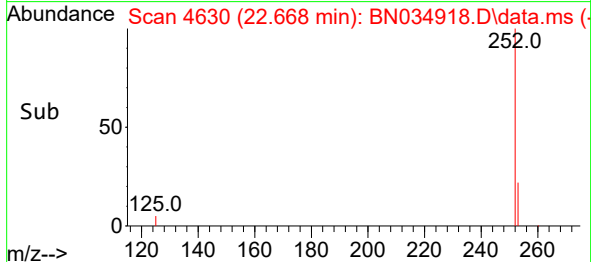
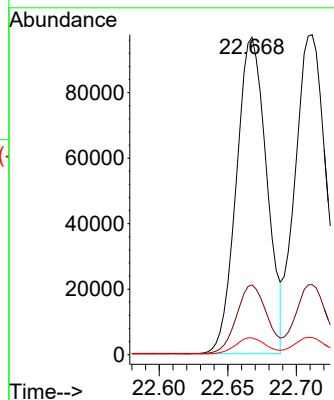


#24  
Benzo(b)fluoranthene  
Concen: 2.810 ng/ul  
RT: 22.668 min Scan# 4630  
Delta R.T. -0.003 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

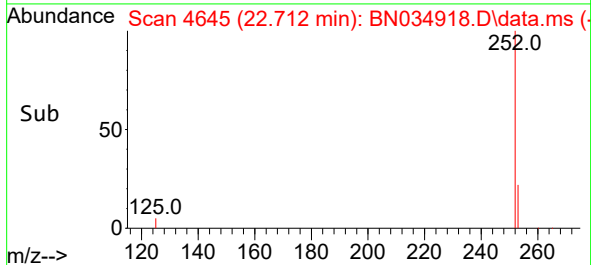
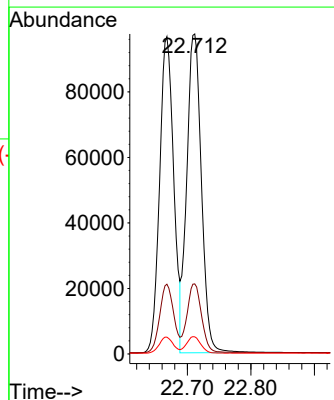
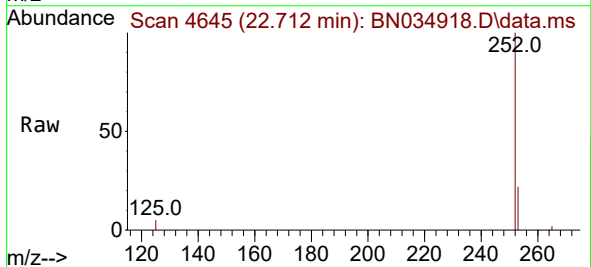


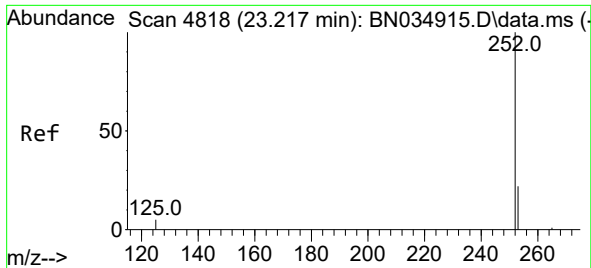
Tgt Ion:252 Resp: 148643  
Ion Ratio Lower Upper  
252 100  
253 22.0 0.0 50.0  
125 5.3 0.0 14.0



#25  
Benzo(k)fluoranthene  
Concen: 2.922 ng/ul  
RT: 22.712 min Scan# 4645  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:252 Resp: 155869  
Ion Ratio Lower Upper  
252 100  
253 21.9 20.2 30.4  
125 5.4 5.8 8.8#

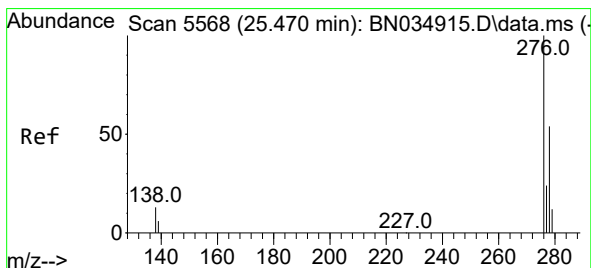
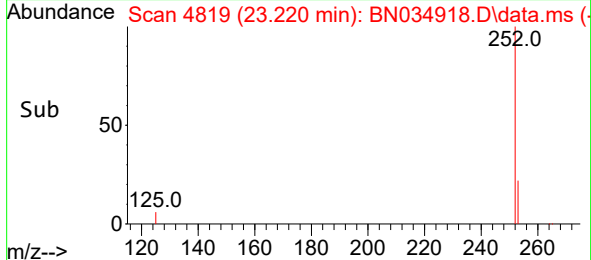
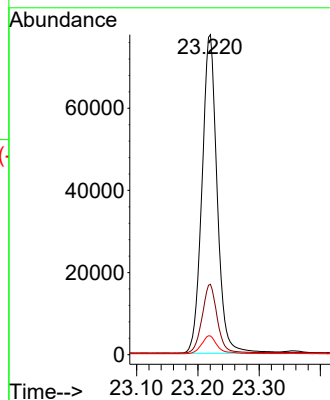
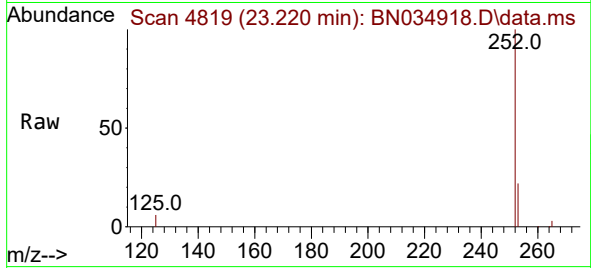




#26  
Benzo(a)pyrene  
Concen: 2.932 ng/ul  
RT: 23.220 min Scan# 4818  
Delta R.T. 0.003 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

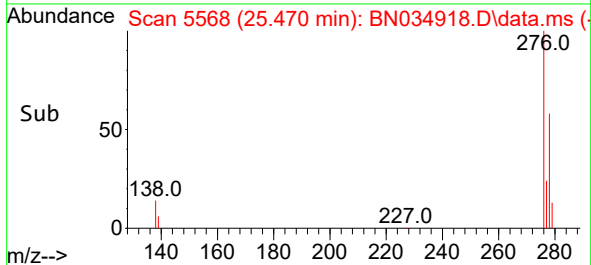
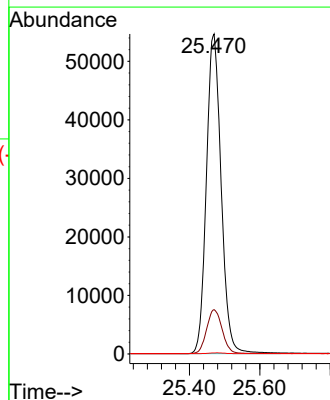
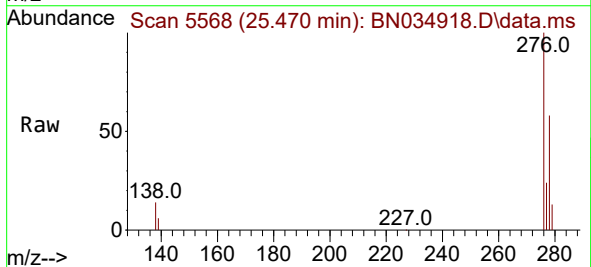
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

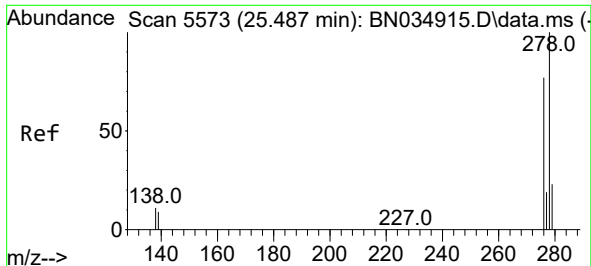
Tgt Ion:252 Resp: 133527  
Ion Ratio Lower Upper  
252 100  
253 22.0 21.2 31.8  
125 5.8 6.3 9.5#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.279 ng/ul  
RT: 25.470 min Scan# 5568  
Delta R.T. 0.000 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:276 Resp: 159026  
Ion Ratio Lower Upper  
276 100  
138 14.5 10.8 16.2  
227 0.3 0.2 0.4

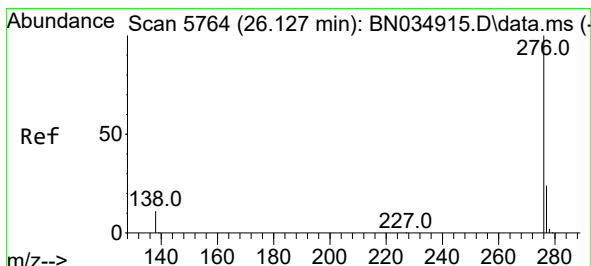
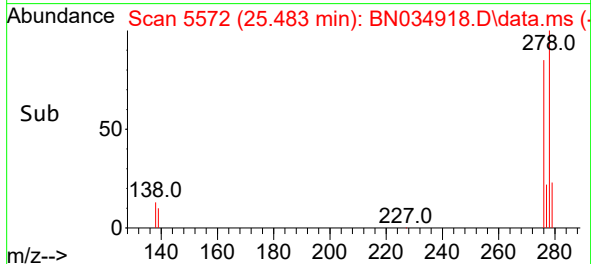
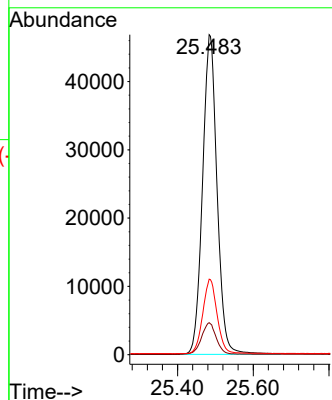
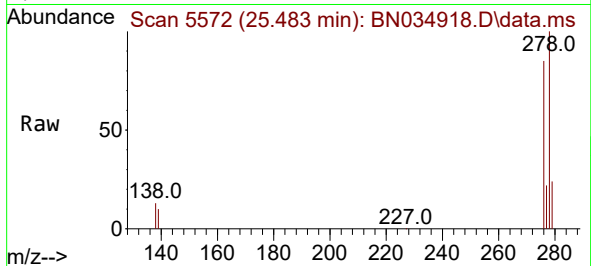




#28  
Dibenzo(a,h)anthracene  
Concen: 3.397 ng/ul  
RT: 25.483 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD3.2221

Tgt Ion:278 Resp: 124535  
Ion Ratio Lower Upper  
278 100  
139 10.0 8.4 12.6  
279 23.6 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 3.123 ng/ul  
RT: 26.124 min Scan# 5763  
Delta R.T. -0.003 min  
Lab File: BN034918.D  
Acq: 08 Nov 2024 23:40

Tgt Ion:276 Resp: 118983  
Ion Ratio Lower Upper  
276 100  
138 12.4 10.3 15.5  
277 23.3 20.2 30.2

