

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
 Data File : BN032748.D  
 Acq On : 16 Jul 2024 19:30  
 Operator : MA/JU  
 Sample : P3035-11DL 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CY1DL

Quant Time: Jul 16 23:54:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 01:40:24 2024  
 Response via : Initial Calibration

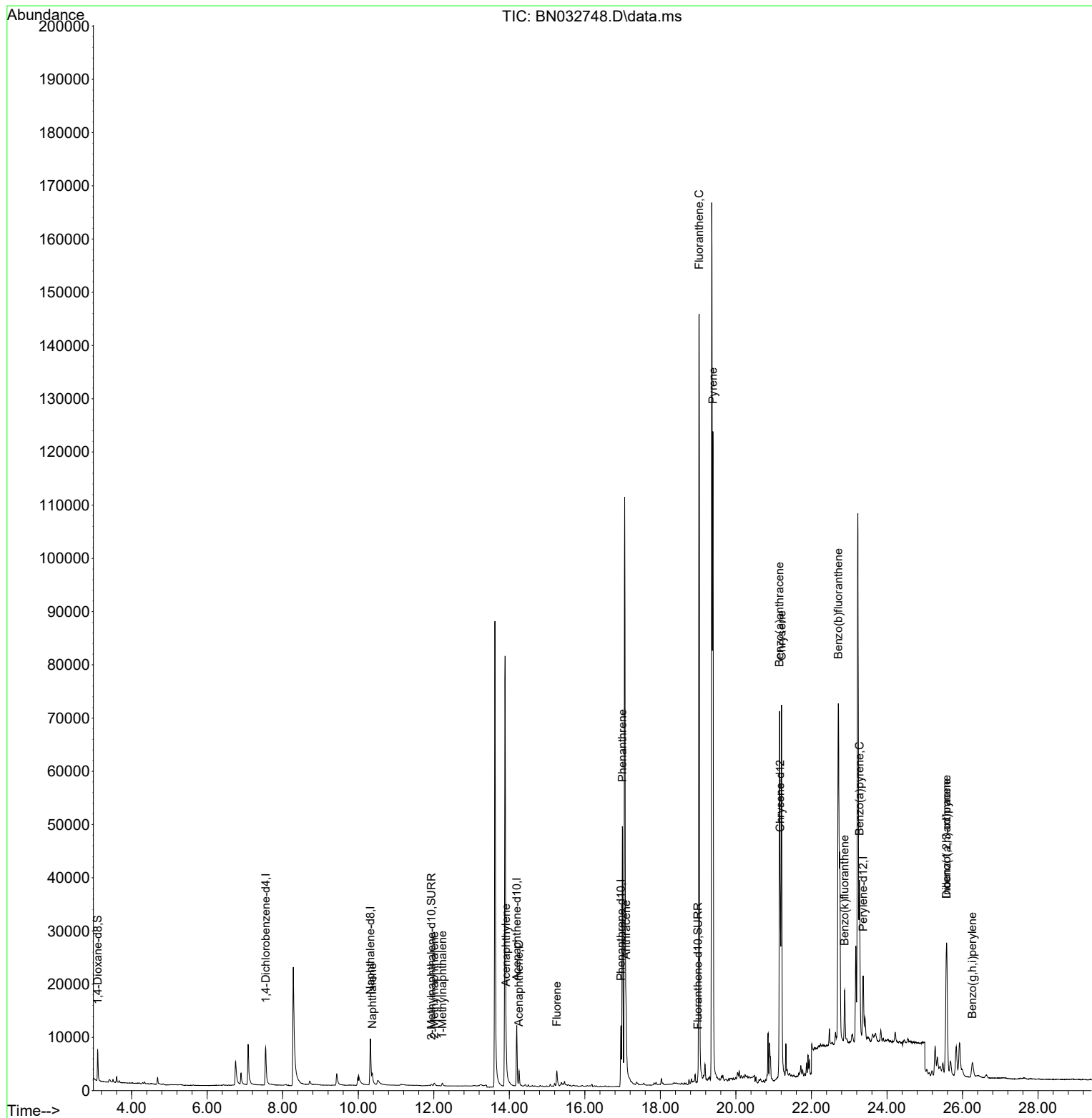
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.549  | 152  | 5325     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.321 | 136  | 15293    | 0.400 | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.198 | 164  | 6936     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.957 | 188  | 14841    | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.171 | 240  | 14039    | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.368 | 264  | 17468    | 0.400 | ng/ul  | #-0.03   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.101  | 96   | 4115     | 0.644 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.938 | 152  | 758      | 0.033 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.994 | 212  | 1927     | 0.042 | ng/ul  | -0.03    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.371 | 128  | 2870     | 0.070 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.015 | 142  | 690      | 0.027 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.230 | 142  | 548      | 0.021 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.915 | 152  | 5083     | 0.181 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.258 | 153  | 1812     | 0.078 | ng/ul  | 98       |
| 12) Fluorene                | 15.257 | 166  | 2514     | 0.095 | ng/ul# | 97       |
| 15) Phenanthrene            | 16.995 | 178  | 59149    | 1.463 | ng/ul  | 99       |
| 16) Anthracene              | 17.092 | 178  | 11843    | 0.359 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.027 | 202  | 140019   | 2.453 | ng/ul  | 97       |
| 20) Pyrene                  | 19.394 | 202  | 105624   | 1.788 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.156 | 228  | 70664    | 1.581 | ng/ul  | 98       |
| 22) Chrysene                | 21.209 | 228  | 68013    | 1.052 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.711 | 252  | 148057   | 2.402 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 22.880 | 252  | 11789    | 0.157 | ng/ul# | 75       |
| 26) Benzo(a)pyrene          | 23.272 | 252  | 40667    | 0.762 | ng/ul# | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.579 | 276  | 41972    | 0.581 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.576 | 278  | 12787    | 0.228 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 26.260 | 276  | 5958     | 0.099 | ng/ul# | 75       |
| -----                       |        |      |          |       |        |          |

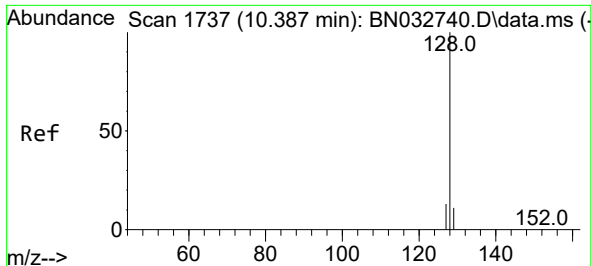
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071624\  
Data File : BN032748.D  
Acq On : 16 Jul 2024 19:30  
Operator : MA/JU  
Sample : P3035-11DL 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

Quant Time: Jul 16 23:54:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 01:40:24 2024  
Response via : Initial Calibration

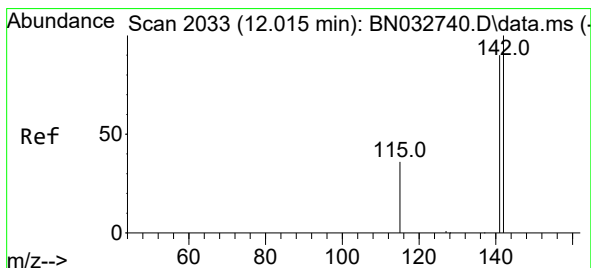
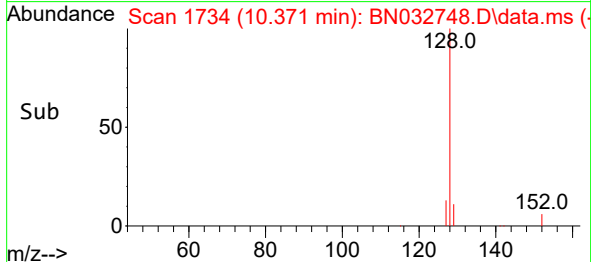
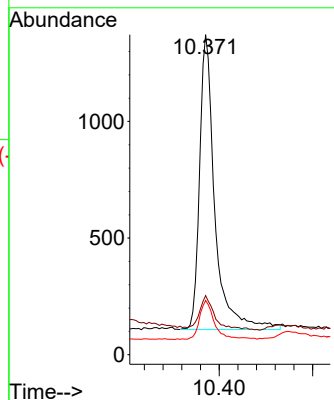
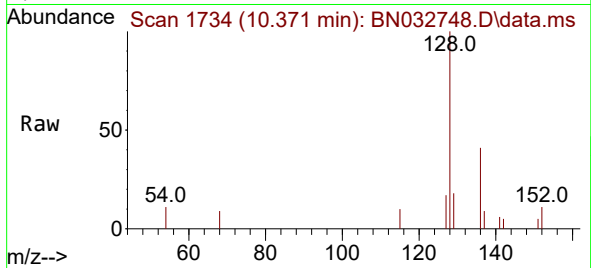




#5  
Naphthalene  
Concen: 0.070 ng/ul  
RT: 10.371 min Scan# 1734  
Delta R.T. -0.038 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

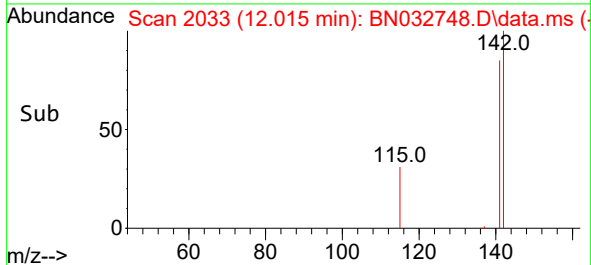
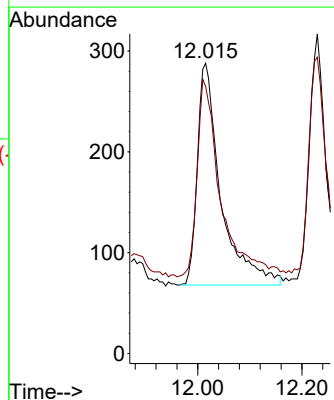
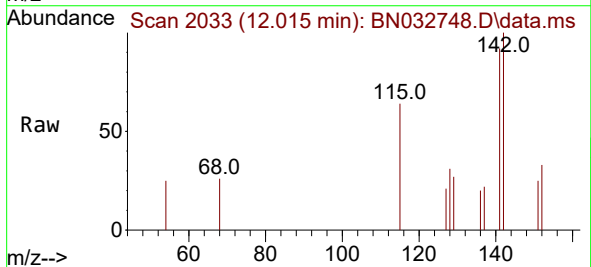
Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

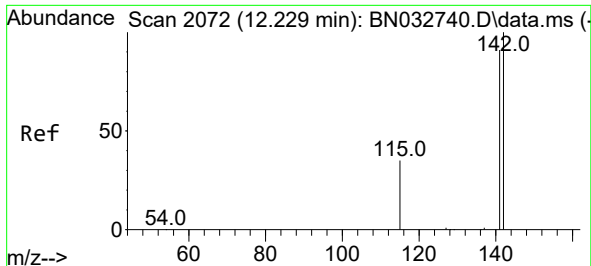
Tgt Ion:128 Resp: 2870  
Ion Ratio Lower Upper  
128 100  
129 18.4 10.0 15.0#  
127 17.0 11.6 17.4



#7  
2-Methylnaphthalene  
Concen: 0.027 ng/ul  
RT: 12.015 min Scan# 2033  
Delta R.T. -0.033 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:142 Resp: 690  
Ion Ratio Lower Upper  
142 100  
141 88.7 74.0 111.0

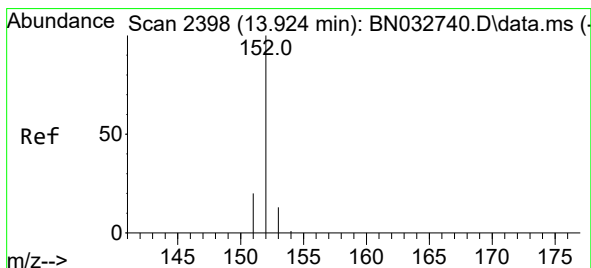
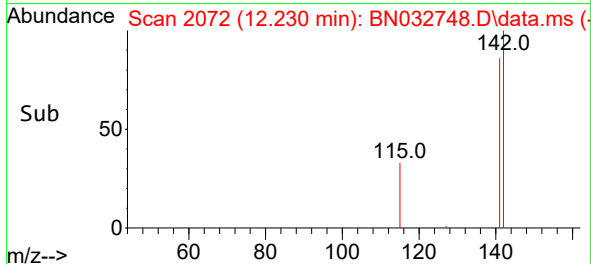
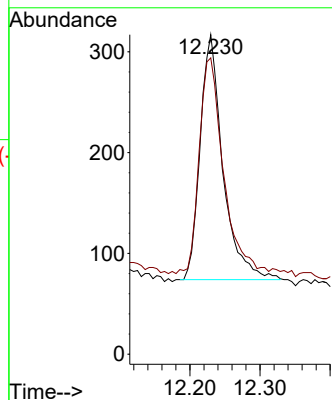
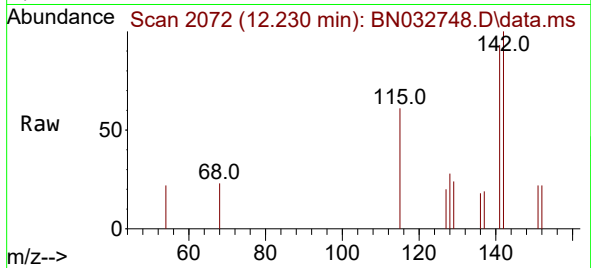




#8  
1-Methylnaphthalene  
Concen: 0.021 ng/ul  
RT: 12.230 min Scan# 2072  
Delta R.T. -0.016 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

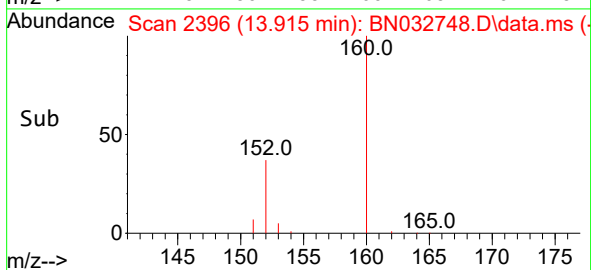
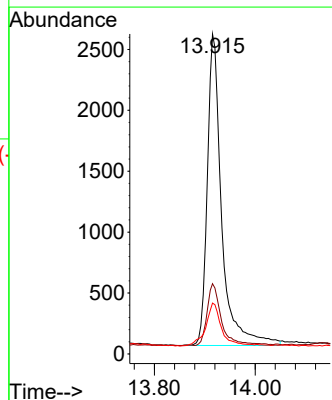
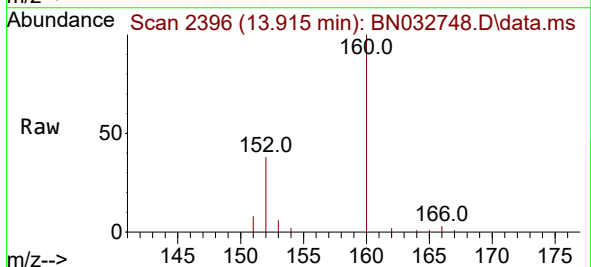
Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

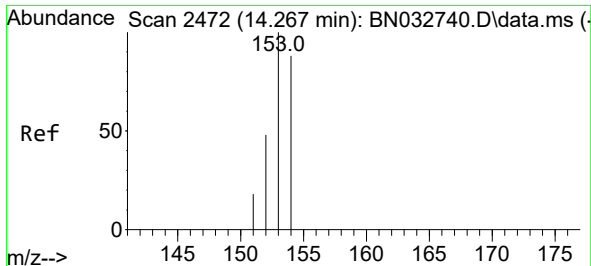
Tgt Ion:142 Resp: 548  
Ion Ratio Lower Upper  
142 100  
141 94.2 75.0 112.4



#10  
Acenaphthylene  
Concen: 0.181 ng/ul  
RT: 13.915 min Scan# 2396  
Delta R.T. -0.028 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

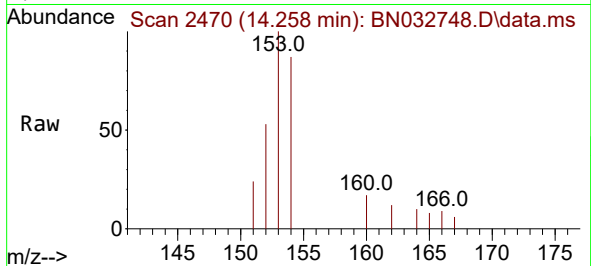
Tgt Ion:152 Resp: 5083  
Ion Ratio Lower Upper  
152 100  
151 22.0 16.3 24.5  
153 15.9 11.3 16.9



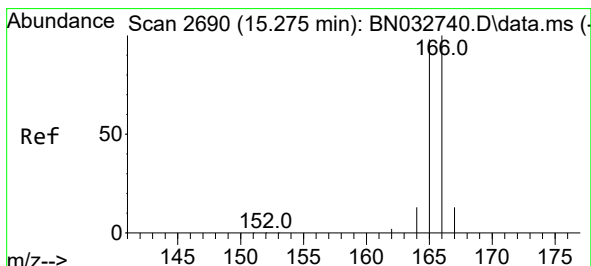
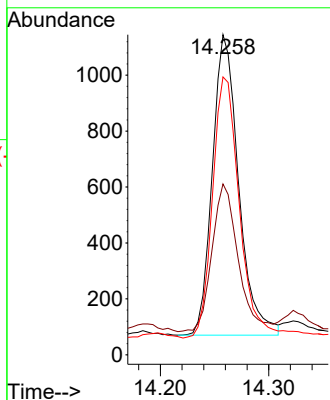
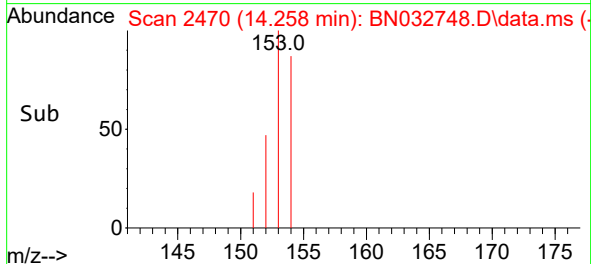


#11  
Acenaphthene  
Concen: 0.078 ng/ul  
RT: 14.258 min Scan# 2470  
Delta R.T. -0.023 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

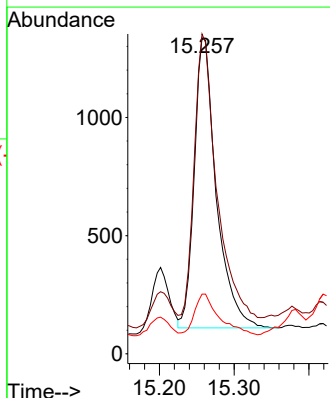
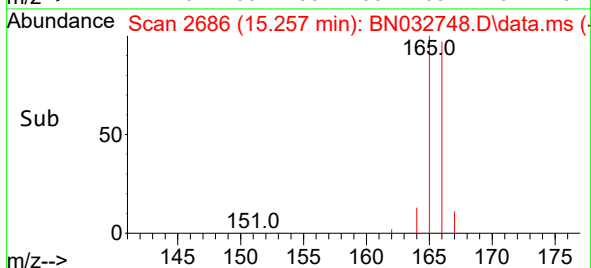
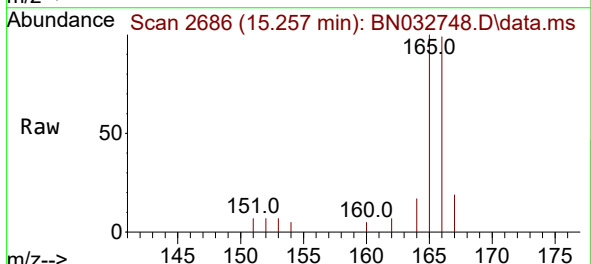


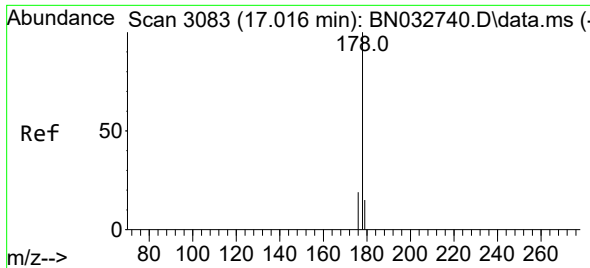
Tgt Ion:153 Resp: 1812  
Ion Ratio Lower Upper  
153 100  
152 53.4 40.0 60.0  
154 86.8 70.2 105.4



#12  
Fluorene  
Concen: 0.095 ng/ul  
RT: 15.257 min Scan# 2686  
Delta R.T. -0.032 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:166 Resp: 2514  
Ion Ratio Lower Upper  
166 100  
165 101.2 79.7 119.5  
167 18.9 11.4 17.2#





#15

Phenanthrene

Concen: 1.463 ng/ul

RT: 16.995 min Scan# 3083

Delta R.T. -0.034 min

Lab File: BN032748.D

Acq: 16 Jul 2024 19:30

Instrument :

BNA\_N

ClientSampleId :

A4CY1DL

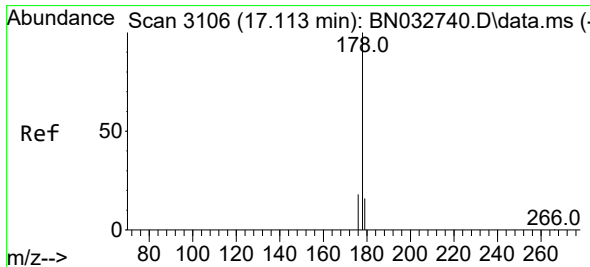
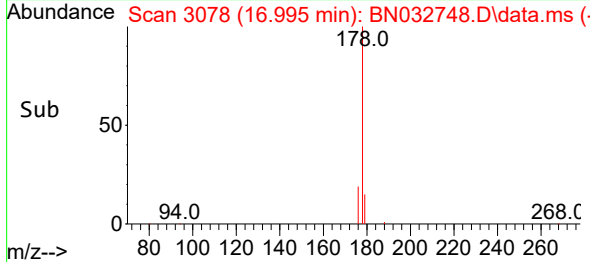
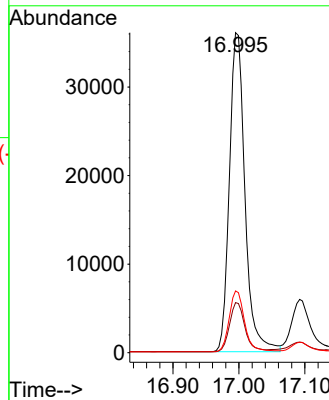
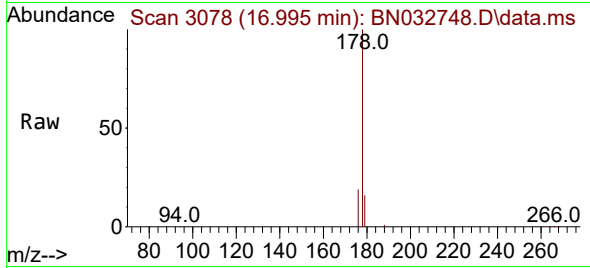
Tgt Ion:178 Resp: 59149

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.4

176 19.3 15.6 23.4



#16

Anthracene

Concen: 0.359 ng/ul

RT: 17.092 min Scan# 3101

Delta R.T. -0.046 min

Lab File: BN032748.D

Acq: 16 Jul 2024 19:30

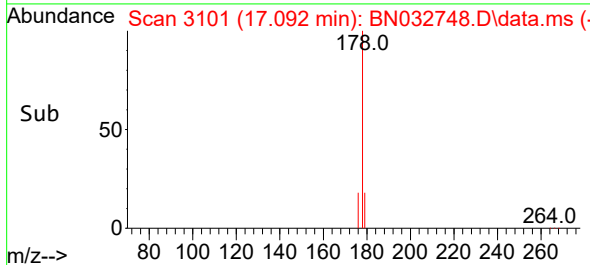
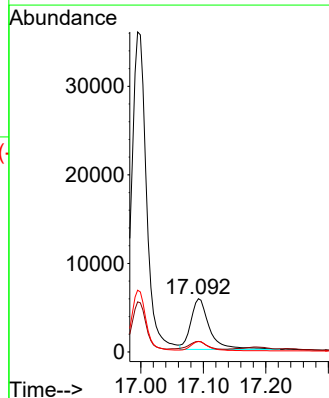
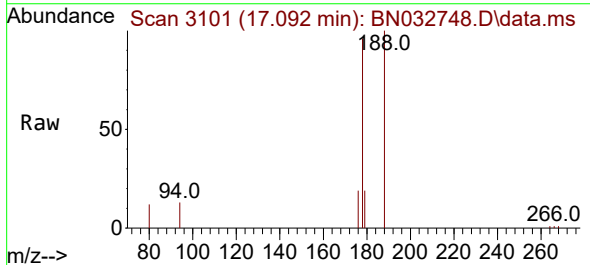
Tgt Ion:178 Resp: 11843

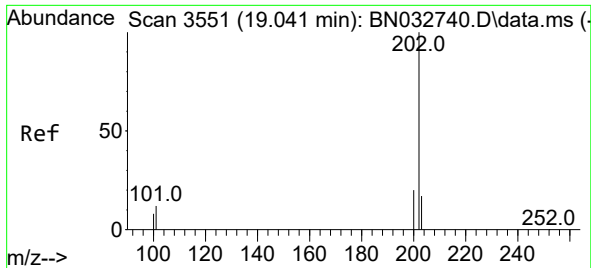
Ion Ratio Lower Upper

178 100

179 19.8 13.4 20.2

176 19.6 15.4 23.0

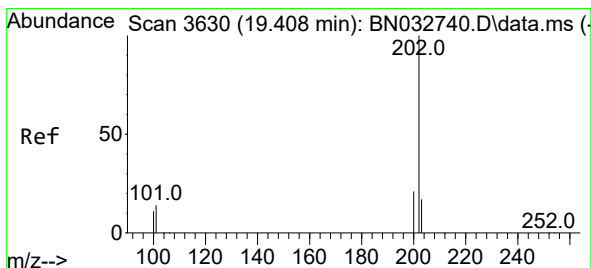
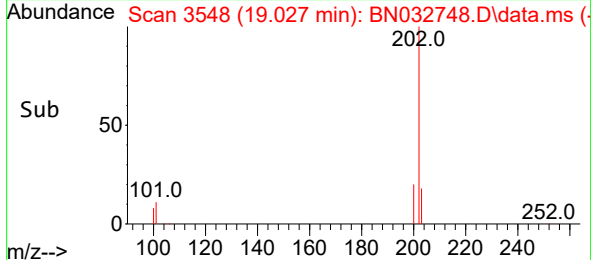
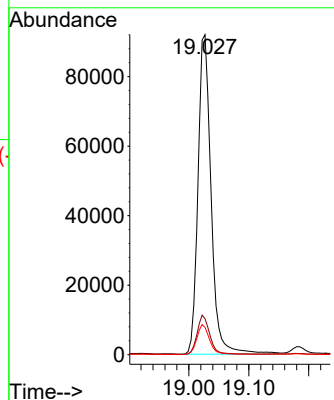
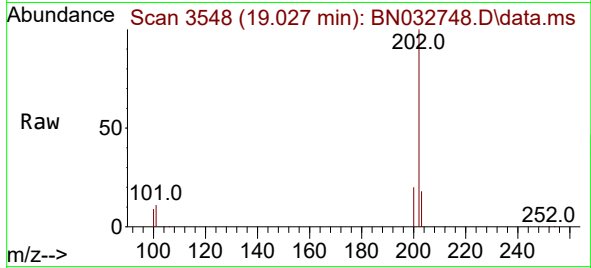




#19  
Fluoranthene  
Concen: 2.453 ng/ul  
RT: 19.027 min Scan# 3548  
Delta R.T. -0.028 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

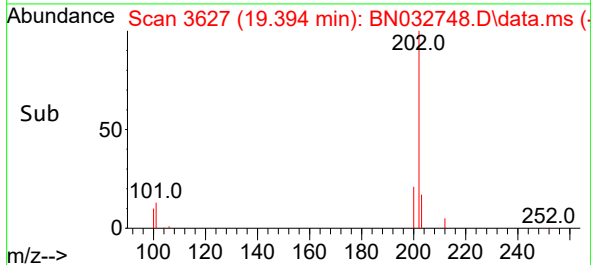
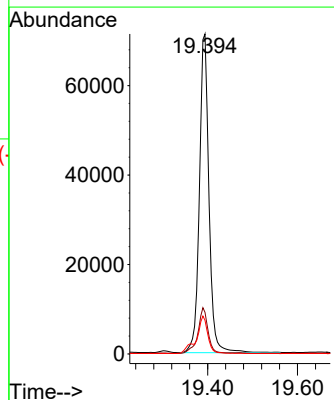
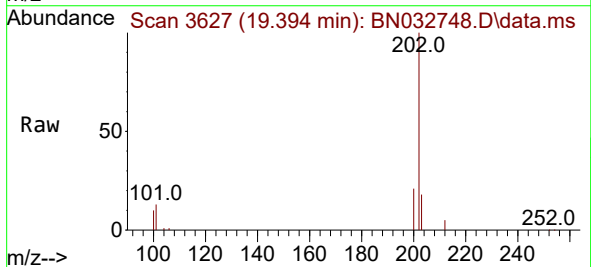
Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

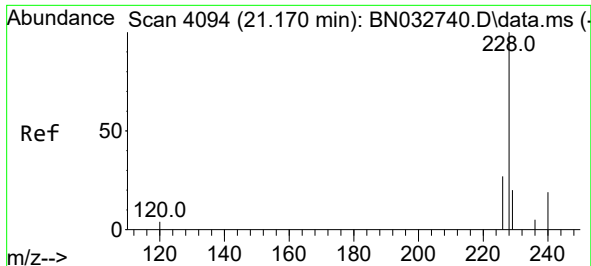
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Ion Ratio Lower Upper  
202 100  
101 11.2 9.8 14.8  
100 8.6 7.9 11.9



#20  
Pyrene  
Concen: 1.788 ng/ul  
RT: 19.394 min Scan# 3627  
Delta R.T. -0.028 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

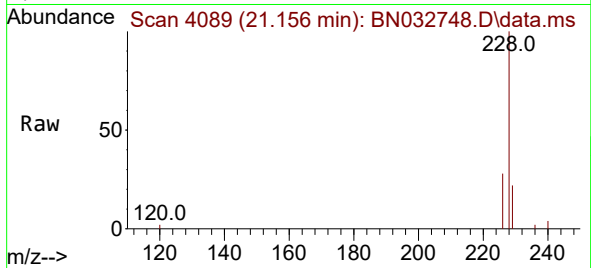
Tgt Ion:202 Resp: 105624  
Ion Ratio Lower Upper  
202 100  
101 13.0 11.8 17.6  
100 10.5 9.6 14.4



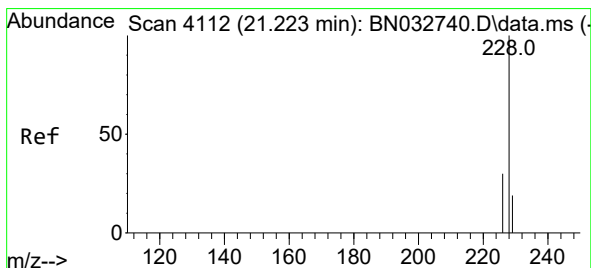
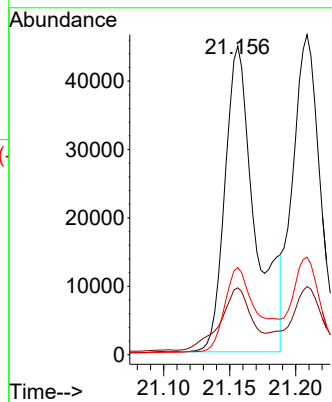
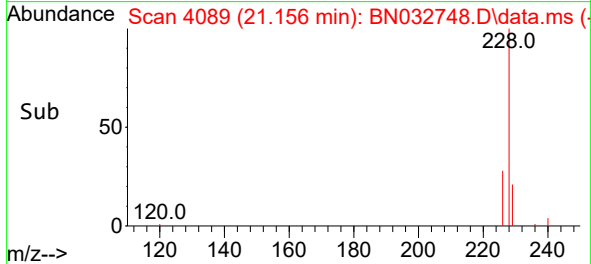


#21  
Benzo(a)anthracene  
Concen: 1.581 ng/ul  
RT: 21.156 min Scan# 4089  
Delta R.T. -0.026 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Instrument :  
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ClientSampleId :  
A4CY1DL

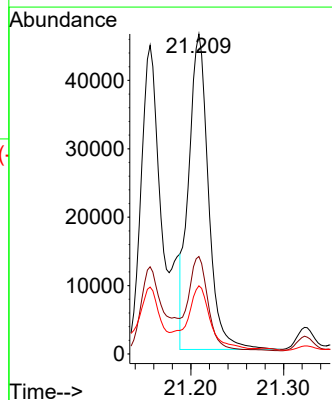
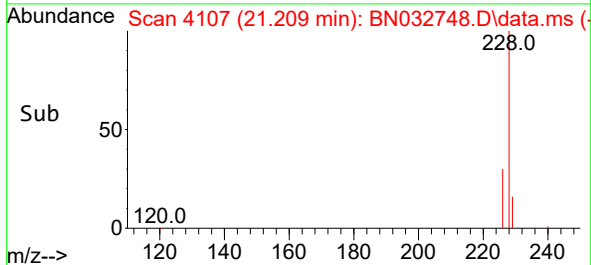
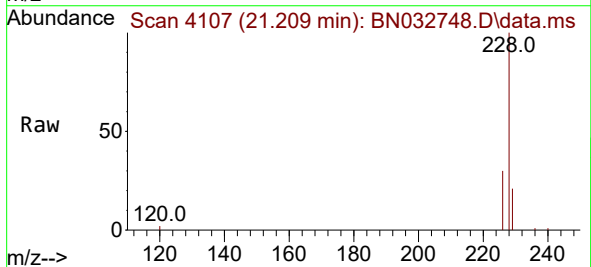


Tgt Ion:228 Resp: 70664  
Ion Ratio Lower Upper  
228 100  
229 21.6 16.1 24.1  
226 28.3 21.9 32.9

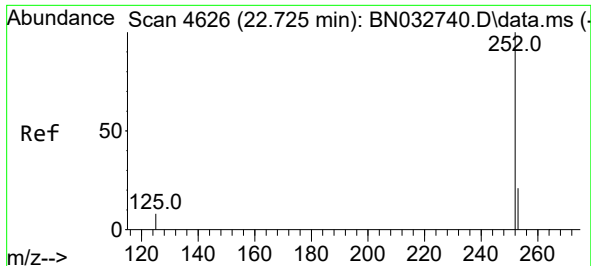


#22  
Chrysene  
Concen: 1.052 ng/ul  
RT: 21.209 min Scan# 4107  
Delta R.T. -0.023 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:228 Resp: 68013  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.0 36.0  
229 21.3 15.8 23.6

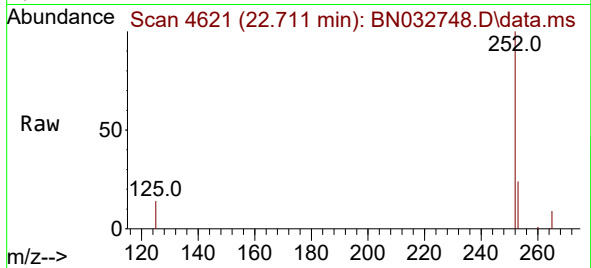




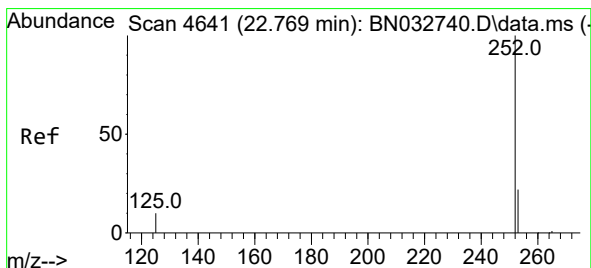
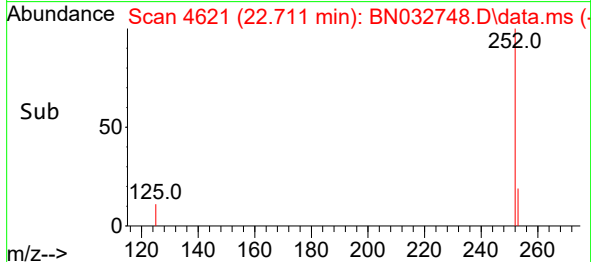
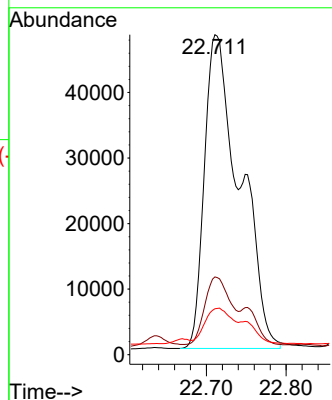


#24  
Benzo(b)fluoranthene  
Concen: 2.402 ng/ul  
RT: 22.711 min Scan# 4621  
Delta R.T. -0.023 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

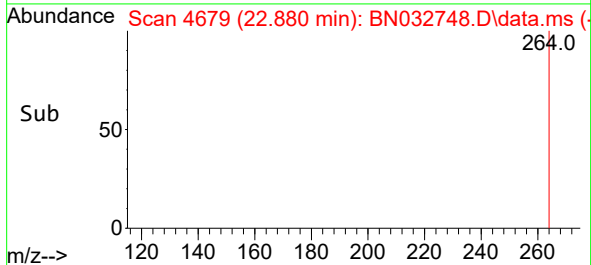
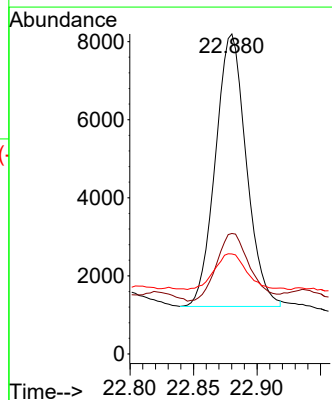
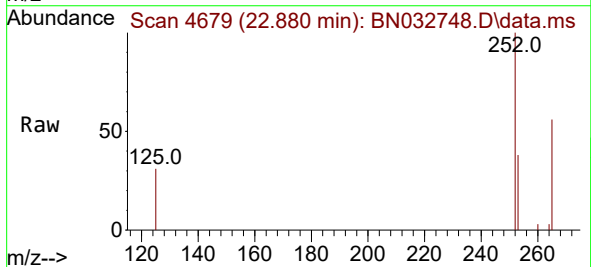


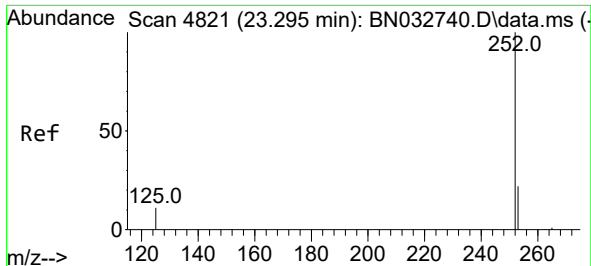
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Ion Ratio Lower Upper  
252 100  
253 24.3 0.0 54.0  
125 14.3 0.0 36.0



#25  
Benzo(k)fluoranthene  
Concen: 0.157 ng/ul  
RT: 22.880 min Scan# 4679  
Delta R.T. 0.102 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:252 Resp: 11789  
Ion Ratio Lower Upper  
252 100  
253 37.7 21.2 31.8#  
125 31.2 14.8 22.2#

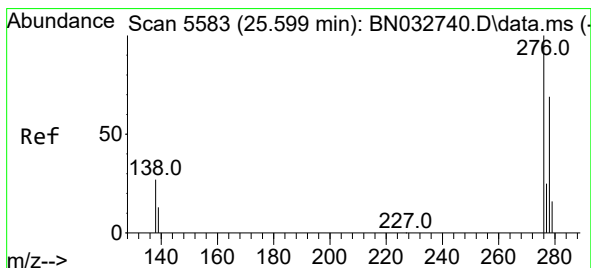
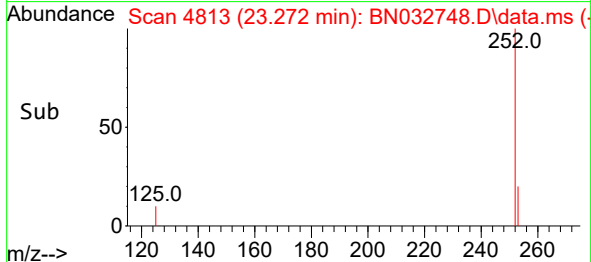
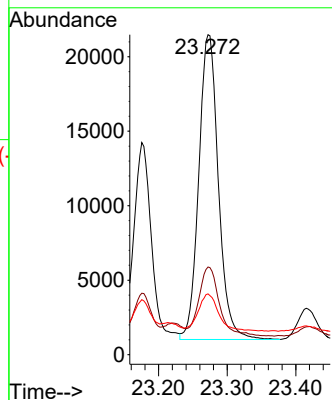
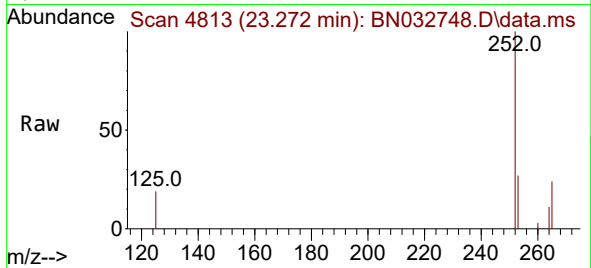




#26  
Benzo(a)pyrene  
Concen: 0.762 ng/ul  
RT: 23.272 min Scan# 4813  
Delta R.T. -0.038 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

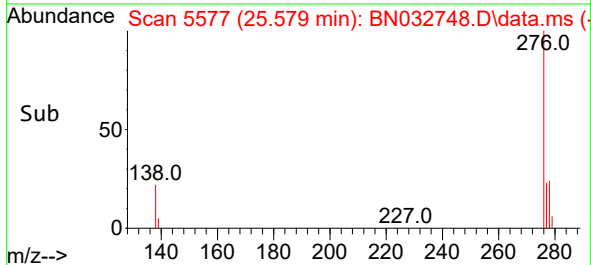
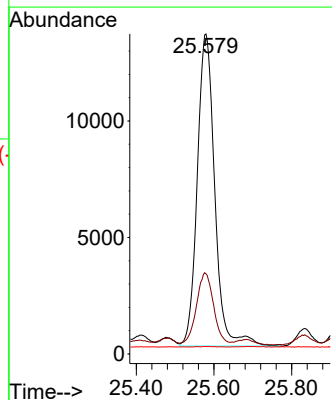
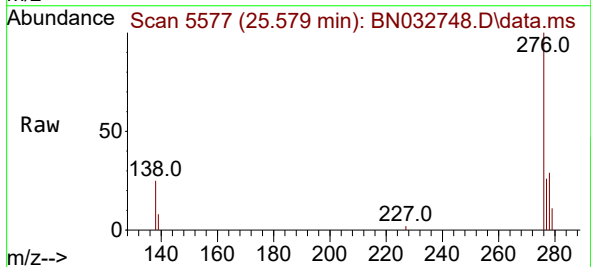
Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

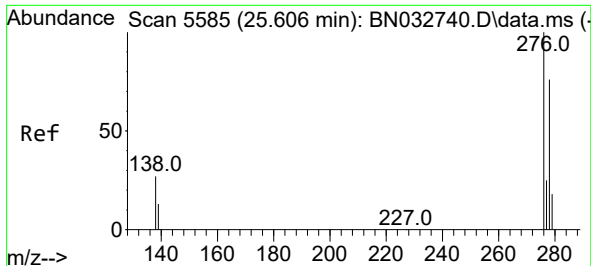
Tgt Ion:252 Resp: 40667  
Ion Ratio Lower Upper  
252 100  
253 27.4 25.4 38.0  
125 19.0 20.6 30.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.581 ng/ul  
RT: 25.579 min Scan# 5577  
Delta R.T. -0.047 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:276 Resp: 41972  
Ion Ratio Lower Upper  
276 100  
138 22.1 21.6 32.4  
227 0.1 0.0 0.0#

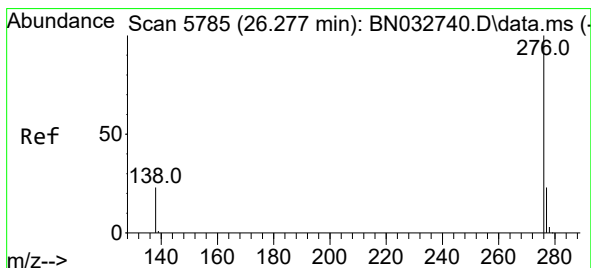
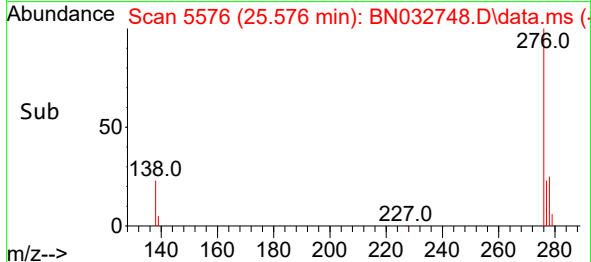
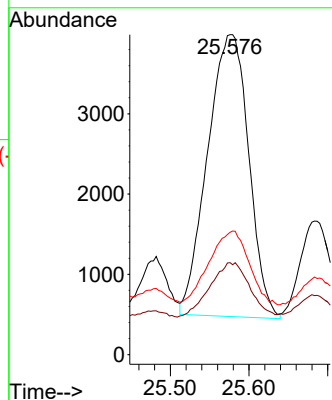
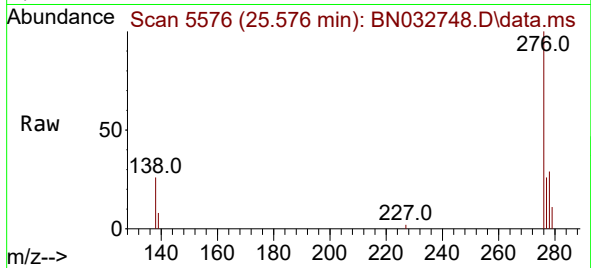




#28  
Dibenzo(a,h)anthracene  
Concen: 0.228 ng/ul  
RT: 25.576 min Scan# 51  
Delta R.T. -0.064 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Instrument :  
BNA\_N  
ClientSampleId :  
A4CY1DL

Tgt Ion:278 Resp: 12787  
Ion Ratio Lower Upper  
278 100  
139 28.7 16.6 24.8#  
279 38.3 23.7 35.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.099 ng/ul  
RT: 26.260 min Scan# 5780  
Delta R.T. -0.040 min  
Lab File: BN032748.D  
Acq: 16 Jul 2024 19:30

Tgt Ion:276 Resp: 5958  
Ion Ratio Lower Upper  
276 100  
138 38.3 21.0 31.4#  
277 38.9 20.6 31.0#

