

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062824\  
 Data File : BN032351.D  
 Acq On : 29 Jun 2024 14:40  
 Operator : MA/JU  
 Sample : P2934-15  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CQ1

Quant Time: Jun 30 23:05:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:23:38 2024  
 Response via : Initial Calibration

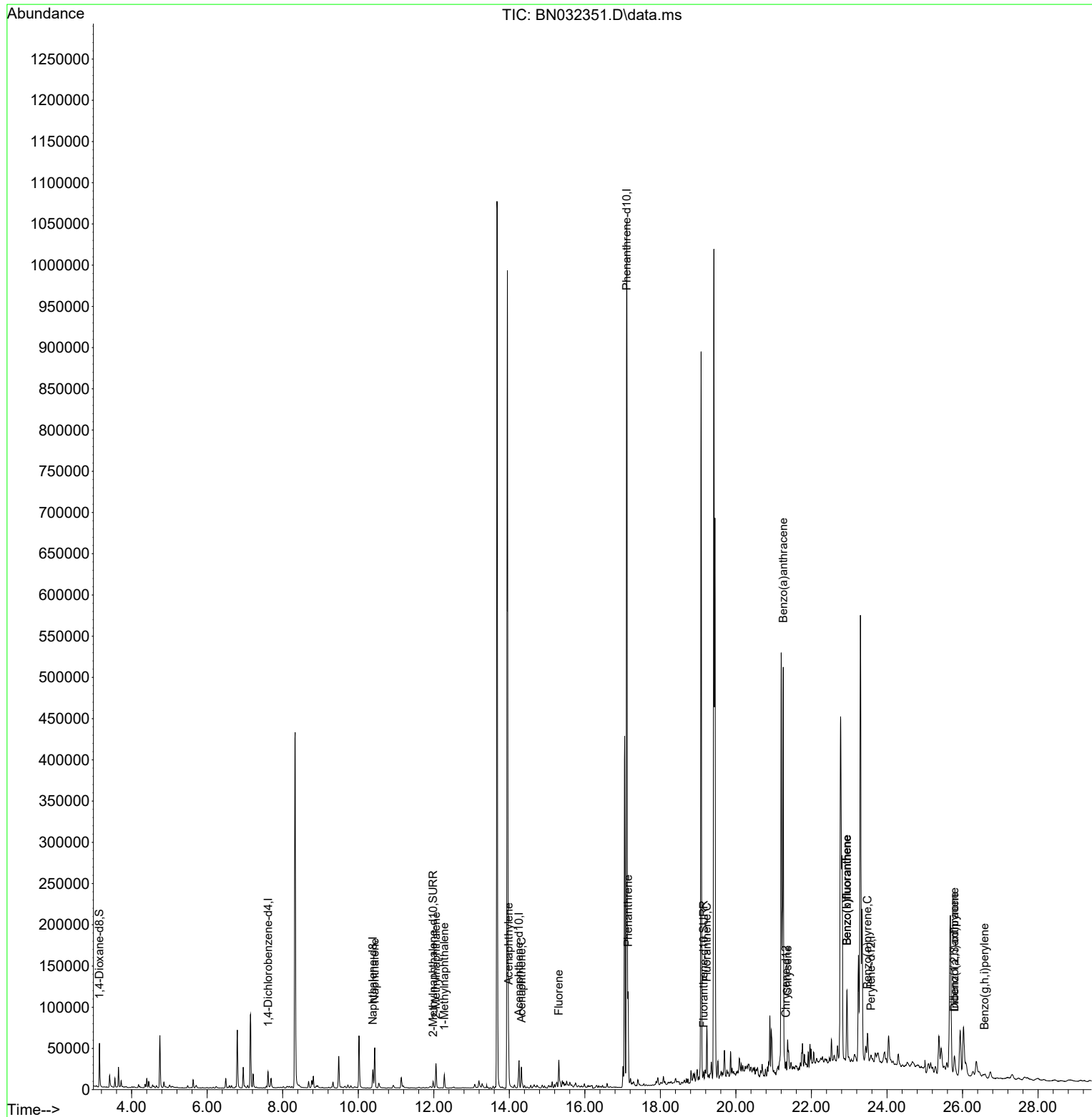
| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.612  | 152  | 10189    | 0.400   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.387 | 136  | 31980    | 0.400   | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.258 | 164  | 18098    | 0.400   | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.109 | 188  | 1215265  | 0.400   | ng/ul  | # 0.08   |
| 17) Chrysene-d12            | 21.322 | 240  | 294      | 0.400   | ng/ul  | # 0.10   |
| 23) Perylene-d12            | 23.576 | 264  | 4068     | 0.400   | ng/ul  | # 0.12   |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.148  | 96   | 35678    | 3.150   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.982 | 152  | 10831    | 0.226   | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.143 | 212  | 703      | 0.795   | ng/ul  | 0.08     |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         | Qvalue |          |
| 5) Naphthalene              | 10.437 | 128  | 67547    | 0.798   | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.059 | 142  | 22398    | 0.399   | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.279 | 142  | 11861    | 0.204   | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.980 | 152  | 69797    | 0.927   | ng/ul  | 99       |
| 11) Acenaphthene            | 14.322 | 153  | 15692    | 0.269   | ng/ul  | 99       |
| 12) Fluorene                | 15.312 | 166  | 22709    | 0.326   | ng/ul# | 98       |
| 15) Phenanthrene            | 17.143 | 178  | 112244   | 0.034   | ng/ul  | 99       |
| 19) Fluoranthene            | 19.231 | 202  | 52780    | 47.145  | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 21.252 | 228  | 510509   | 481.099 | ng/ul  | 92       |
| 22) Chrysene                | 21.369 | 228  | 44433    | 38.151  | ng/ul# | 29       |
| 24) Benzo(b)fluoranthene    | 22.941 | 252  | 112985   | 6.393   | ng/ul  | 79       |
| 25) Benzo(k)fluoranthene    | 22.941 | 252  | 118224   | 6.885   | ng/ul# | 79       |
| 26) Benzo(a)pyrene          | 23.482 | 252  | 31706    | 2.578   | ng/ul# | 24       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.784 | 276  | 8992     | 0.467   | ng/ul# | 1        |
| 28) Dibenzo(a,h)anthracene  | 25.787 | 278  | 33714    | 2.357   | ng/ul# | 56       |
| 29) Benzo(g,h,i)perylene    | 26.582 | 276  | 4639     | 0.302   | ng/ul# | 1        |

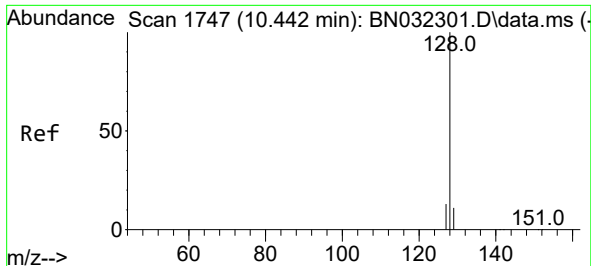
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062824\  
Data File : BN032351.D  
Acq On : 29 Jun 2024 14:40  
Operator : MA/JU  
Sample : P2934-15  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

Quant Time: Jun 30 23:05:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 27 13:23:38 2024  
Response via : Initial Calibration

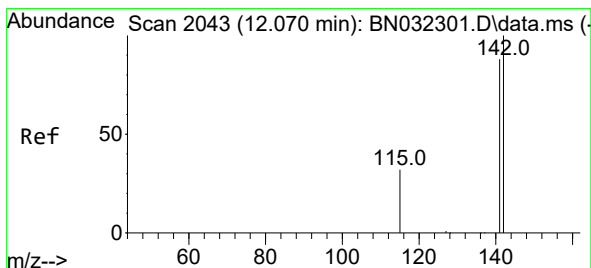
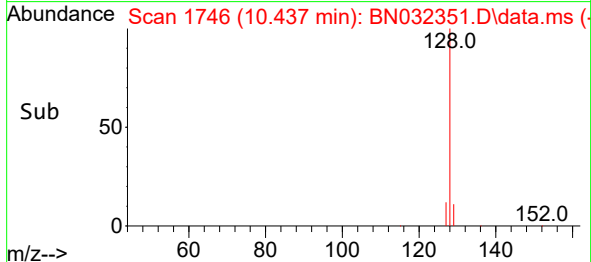
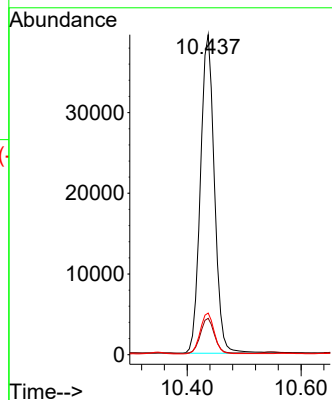
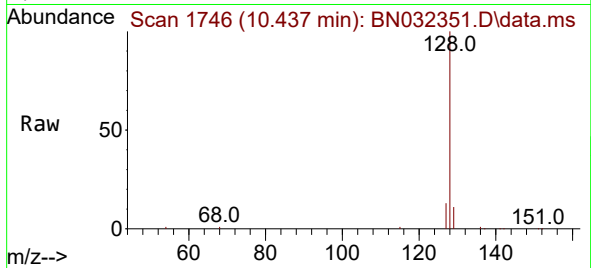




#5  
Naphthalene  
Concen: 0.798 ng/ul  
RT: 10.437 min Scan# 1746  
Delta R.T. -0.011 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

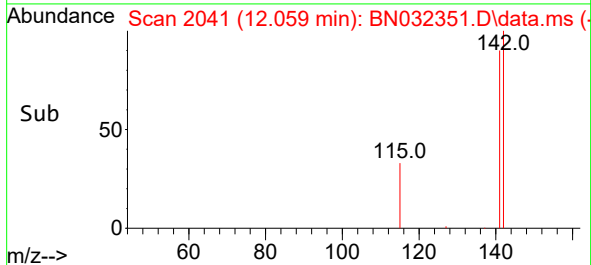
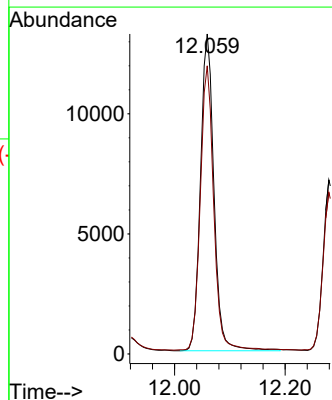
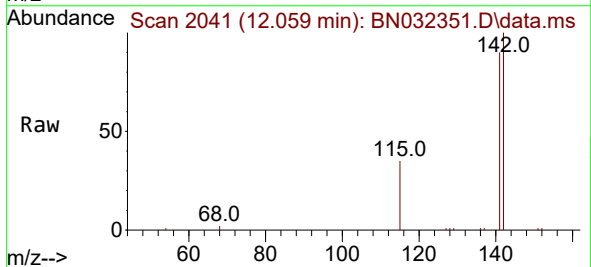
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

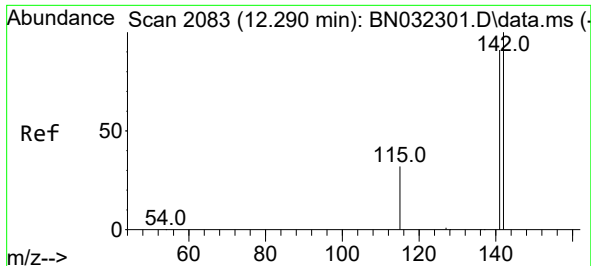
Tgt Ion:128 Resp: 67547  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.2 13.8  
127 13.0 10.8 16.2



#7  
2-Methylnaphthalene  
Concen: 0.399 ng/ul  
RT: 12.059 min Scan# 2041  
Delta R.T. -0.017 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:142 Resp: 22398  
Ion Ratio Lower Upper  
142 100  
141 89.0 72.2 108.2

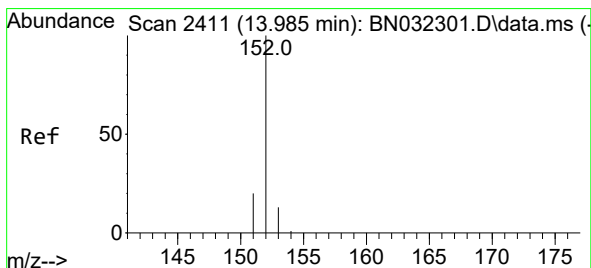
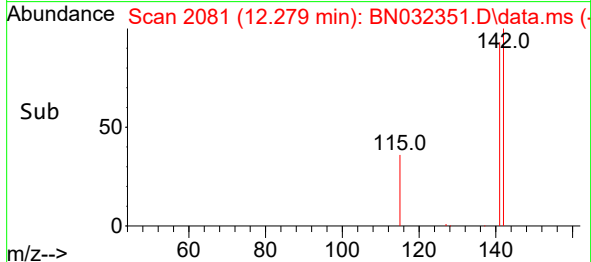
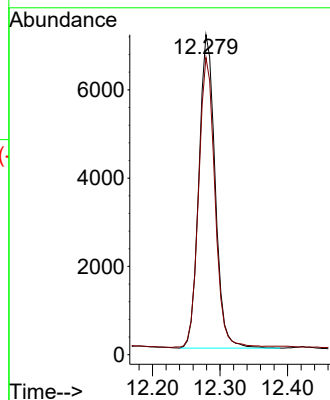
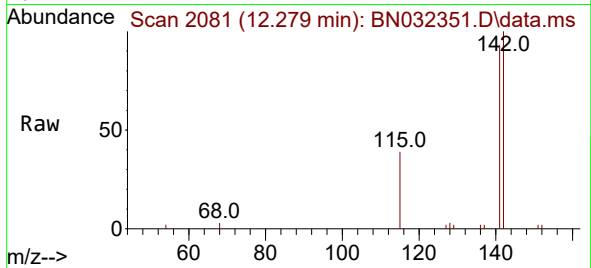




#8  
1-Methylnaphthalene  
Concen: 0.204 ng/ul  
RT: 12.279 min Scan# 2083  
Delta R.T. -0.017 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

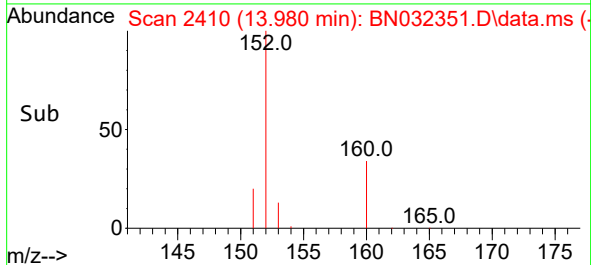
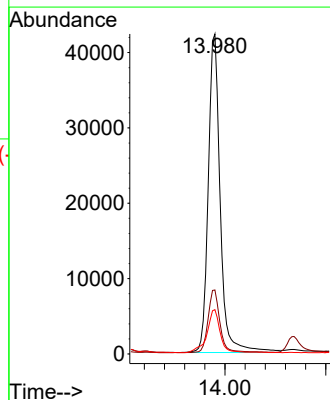
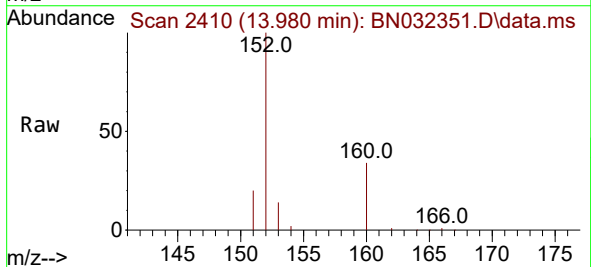
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

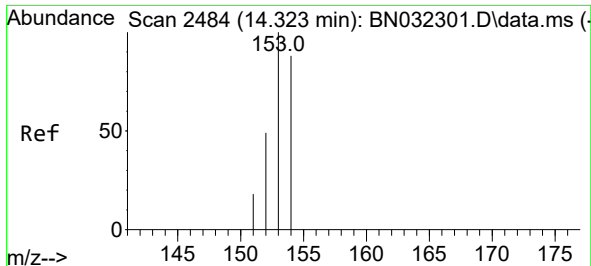
Tgt Ion:142 Resp: 11861  
Ion Ratio Lower Upper  
142 100  
141 93.2 73.4 110.0



#10  
Acenaphthylene  
Concen: 0.927 ng/ul  
RT: 13.980 min Scan# 2410  
Delta R.T. -0.009 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:152 Resp: 69797  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.7 23.5  
153 13.8 10.9 16.3

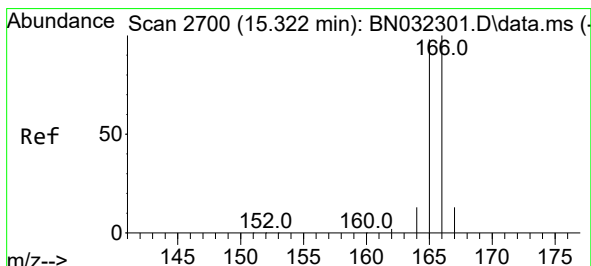
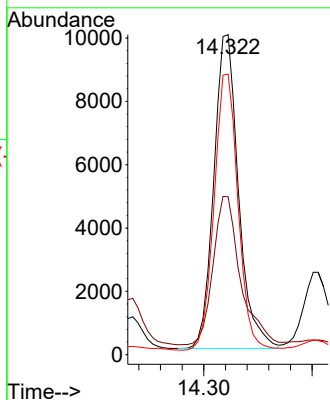
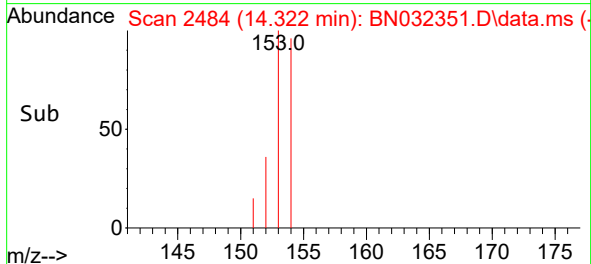
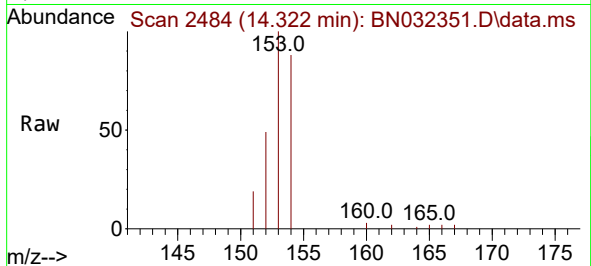




#11  
Acenaphthene  
Concen: 0.269 ng/ul  
RT: 14.322 min Scan# 2484  
Delta R.T. -0.009 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

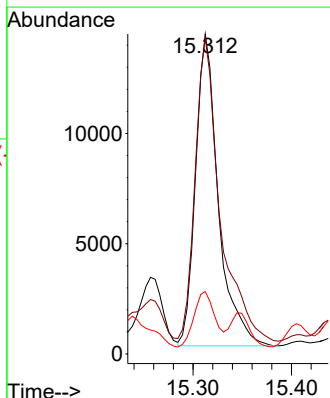
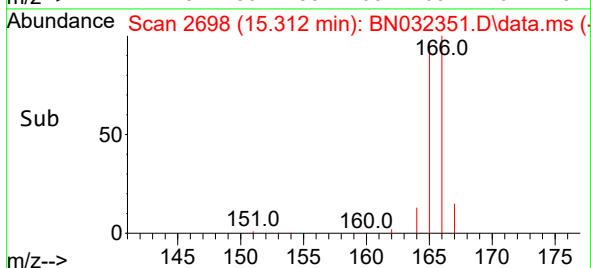
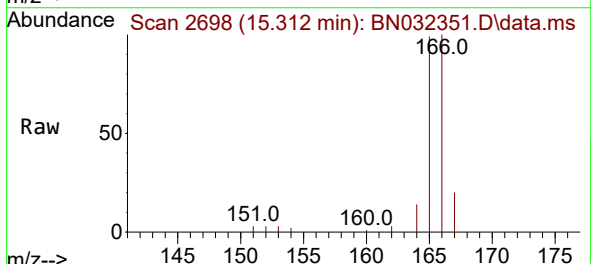
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

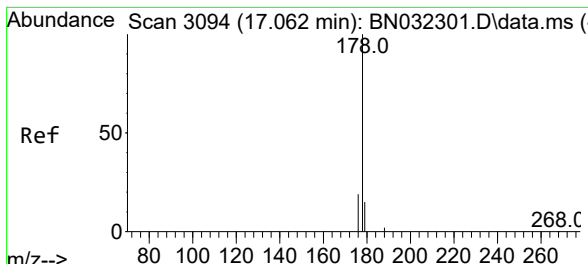
Tgt Ion:153 Resp: 15692  
Ion Ratio Lower Upper  
153 100  
152 49.4 39.5 59.3  
154 87.7 71.7 107.5



#12  
Fluorene  
Concen: 0.326 ng/ul  
RT: 15.312 min Scan# 2698  
Delta R.T. -0.014 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:166 Resp: 22709  
Ion Ratio Lower Upper  
166 100  
165 98.6 79.0 118.6  
167 19.5 11.0 16.6#



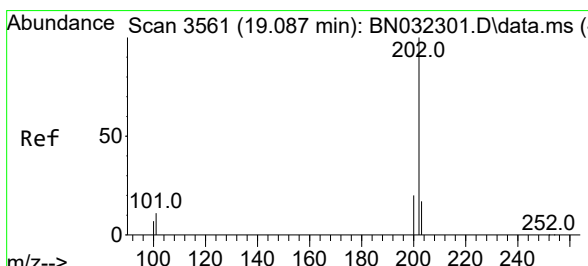
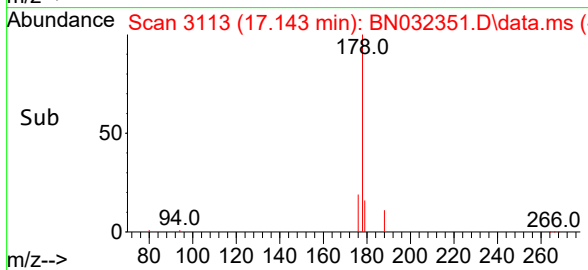
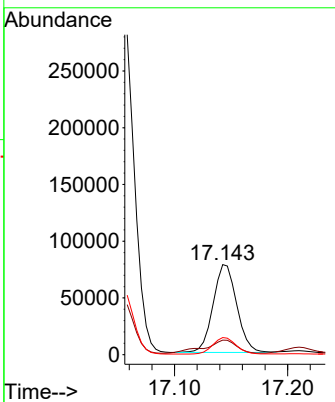
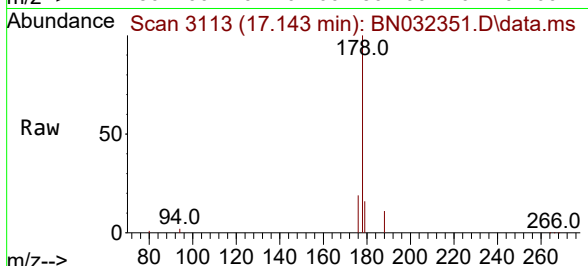


#15  
 Phenanthrene  
 Concen: 0.034 ng/ul  
 RT: 17.143 min Scan# 3113  
 Delta R.T. 0.076 min  
 Lab File: BN032351.D  
 Acq: 29 Jun 2024 14:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CQ1

Tgt Ion:178 Resp: 112244

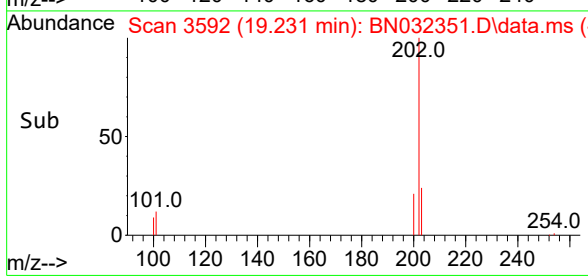
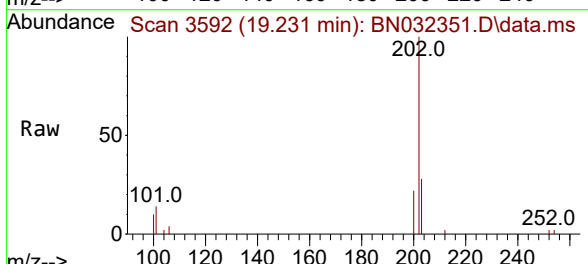
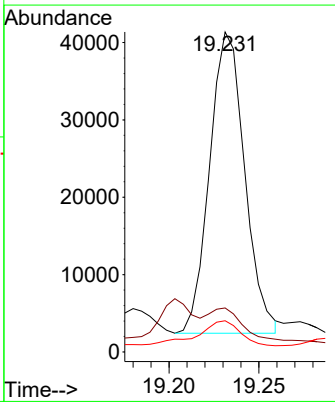
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.2  | 12.6  | 18.8  |
| 176 | 18.9  | 15.6  | 23.4  |

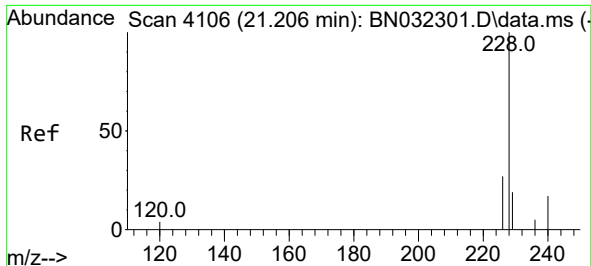


#19  
 Fluoranthene  
 Concen: 47.145 ng/ul  
 RT: 19.231 min Scan# 3592  
 Delta R.T. 0.139 min  
 Lab File: BN032351.D  
 Acq: 29 Jun 2024 14:40

Tgt Ion:202 Resp: 52780

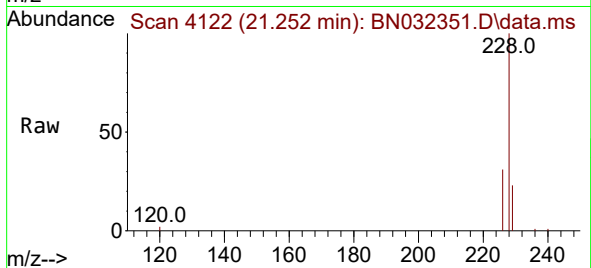
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.7  | 8.8   | 13.2# |
| 100 | 9.7   | 6.4   | 9.6#  |



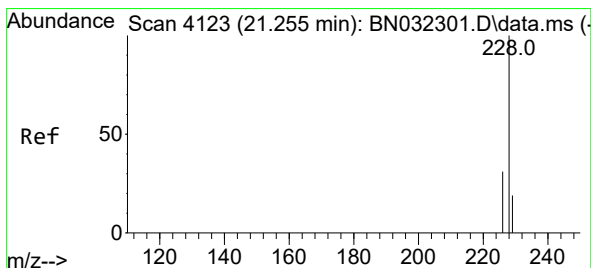
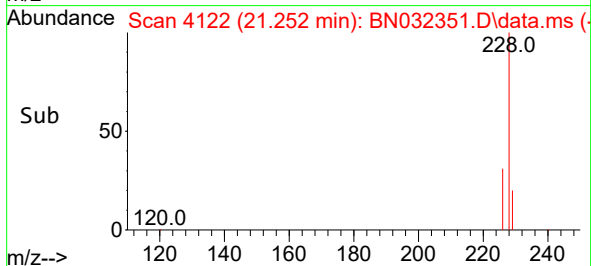
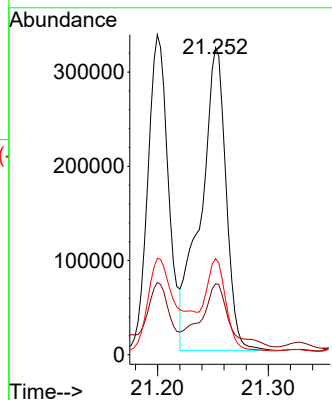


#21  
Benzo(a)anthracene  
Concen: 481.099 ng/ul  
RT: 21.252 min Scan# 411  
Delta R.T. 0.038 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

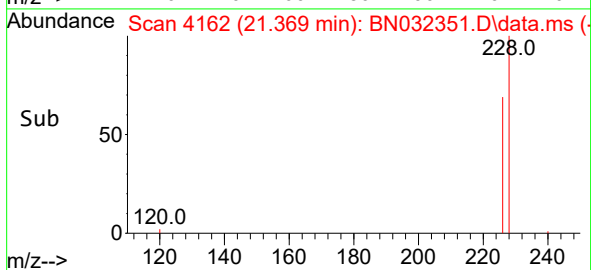
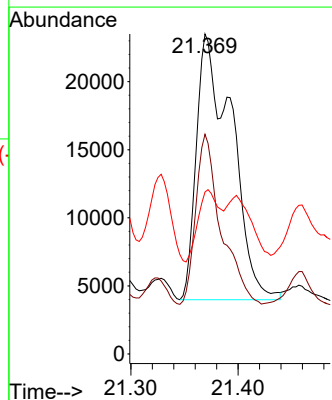
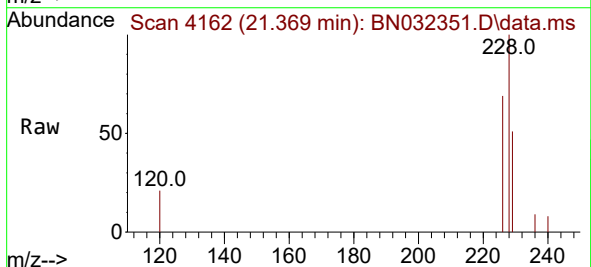


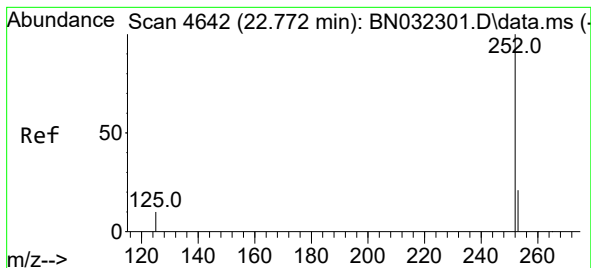
Tgt Ion:228 Resp: 510509  
Ion Ratio Lower Upper  
228 100  
229 23.1 15.7 23.5  
226 31.3 21.8 32.8



#22  
Chrysene  
Concen: 38.151 ng/ul  
RT: 21.369 min Scan# 4162  
Delta R.T. 0.102 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:228 Resp: 44433  
Ion Ratio Lower Upper  
228 100  
226 68.6 23.6 35.4#  
229 50.6 15.7 23.5#





#24

Benzo(b)fluoranthene

Concen: 6.393 ng/ul

RT: 22.941 min Scan# 4700

Delta R.T. 0.158 min

Lab File: BN032351.D

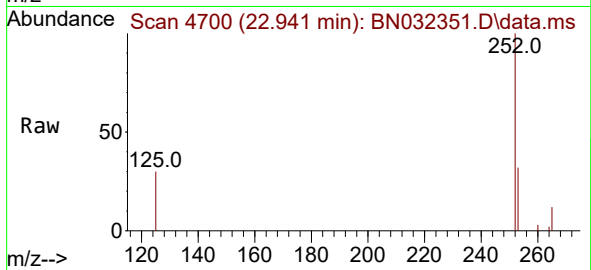
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Instrument :

BNA\_N

ClientSampleId :

A4CQ1



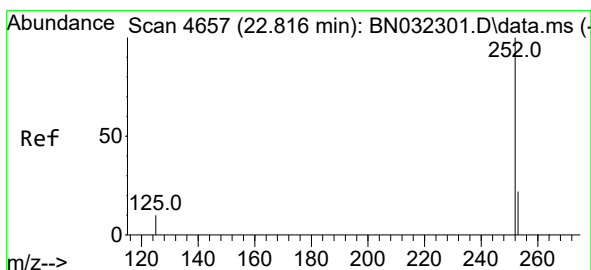
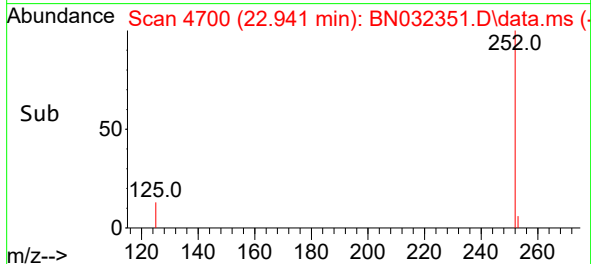
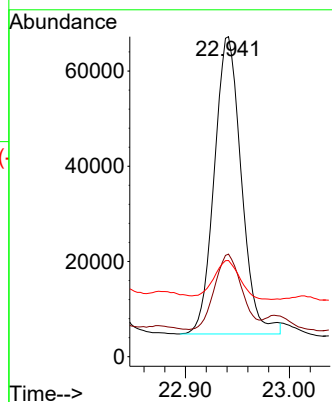
Tgt Ion:252 Resp: 112985

Ion Ratio Lower Upper

252 100

253 32.0 0.0 50.2

125 30.0 0.0 32.0



#25

Benzo(k)fluoranthene

Concen: 6.885 ng/ul

RT: 22.941 min Scan# 4700

Delta R.T. 0.114 min

Lab File: BN032351.D

Acq: 29 Jun 2024 14:40

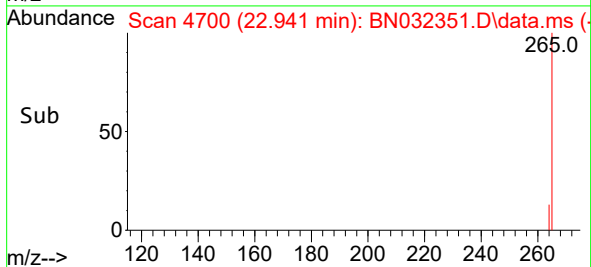
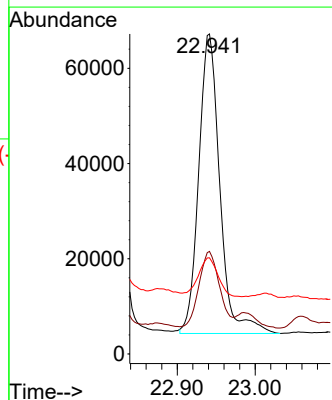
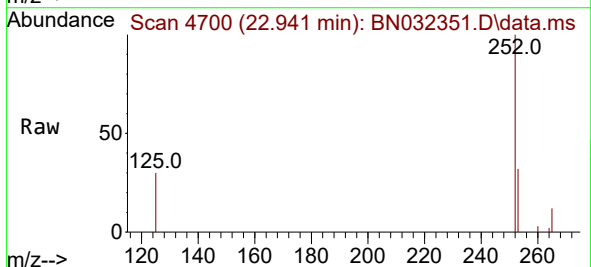
Tgt Ion:252 Resp: 118224

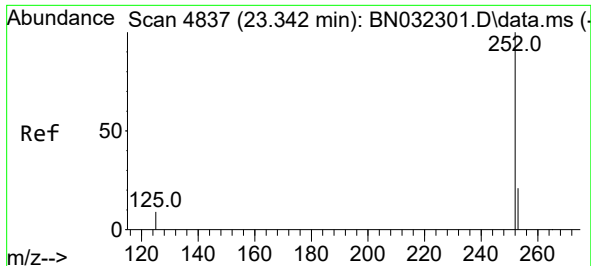
Ion Ratio Lower Upper

252 100

253 32.0 20.3 30.5#

125 30.0 12.8 19.2#

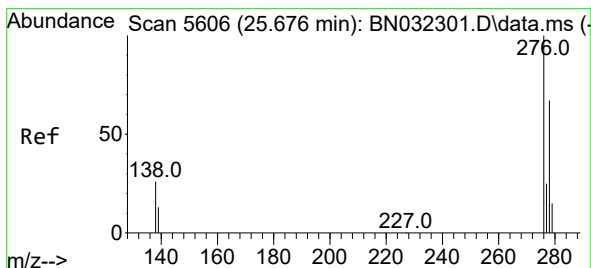
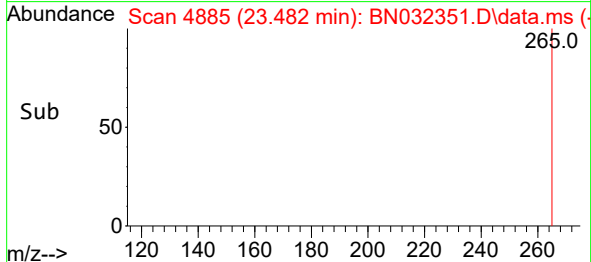
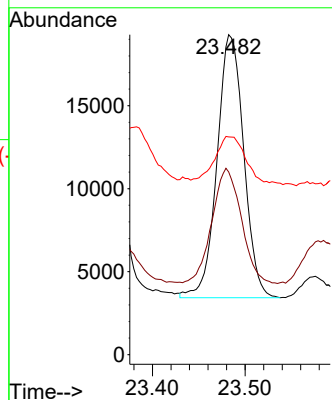
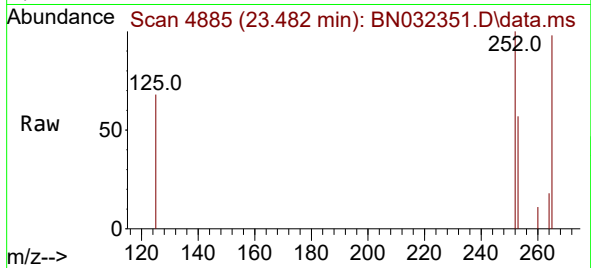




#26  
Benzo(a)pyrene  
Concen: 2.578 ng/ul  
RT: 23.482 min Scan# 4885  
Delta R.T. 0.123 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

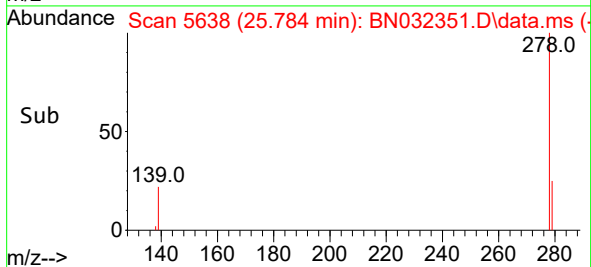
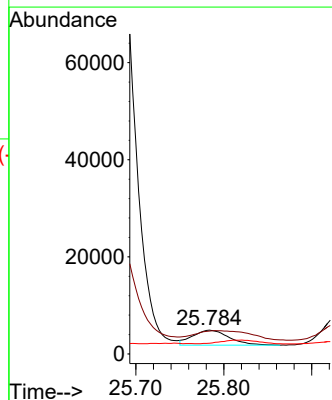
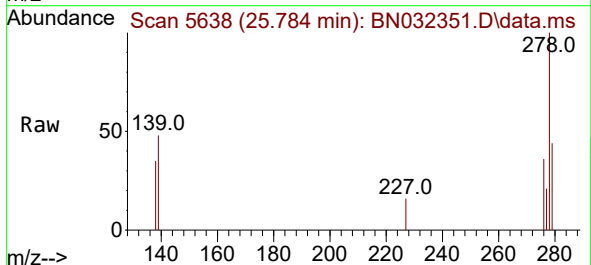
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

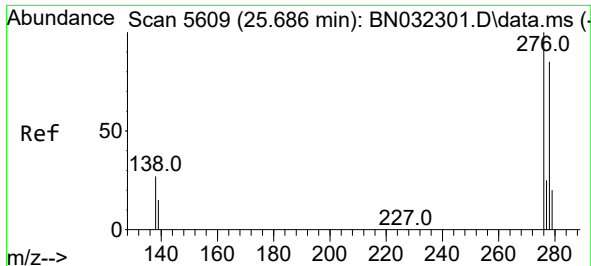
Tgt Ion:252 Resp: 31706  
Ion Ratio Lower Upper  
252 100  
253 57.1 22.2 33.2#  
125 68.0 16.4 24.6#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.467 ng/ul  
RT: 25.784 min Scan# 5638  
Delta R.T. 0.084 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:276 Resp: 8992  
Ion Ratio Lower Upper  
276 100  
138 93.6 21.3 31.9#  
227 0.0 0.1 0.1#

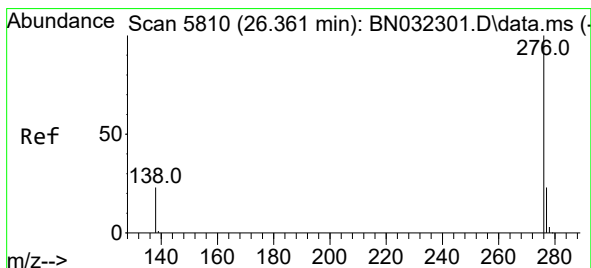
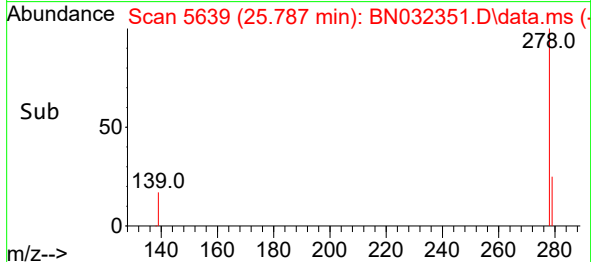
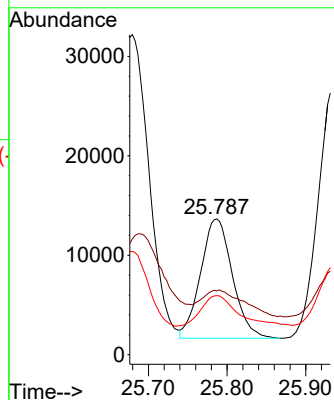
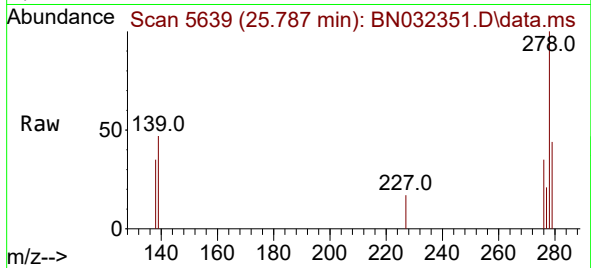




#28  
Dibenzo(a,h)anthracene  
Concen: 2.357 ng/ul  
RT: 25.787 min Scan# 51  
Delta R.T. 0.077 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ1

Tgt Ion:278 Resp: 33714  
Ion Ratio Lower Upper  
278 100  
139 47.0 15.9 23.9#  
279 43.5 21.1 31.7#



#29  
Benzo(g,h,i)perylene  
Concen: 0.302 ng/ul  
RT: 26.582 min Scan# 5876  
Delta R.T. 0.201 min  
Lab File: BN032351.D  
Acq: 29 Jun 2024 14:40

Tgt Ion:276 Resp: 4639  
Ion Ratio Lower Upper  
276 100  
138 132.7 19.8 29.6#  
277 89.0 19.8 29.6#

