

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033084.D  
 Acq On : 30 Jul 2024 01:04  
 Operator : MA/JU  
 Sample : PB162277BS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS277

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 01:42:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 23:04:40 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.592  | 152  | 1609m    | 0.400 | ng/ul  | 0.06     |
| 4) Naphthalene-d8           | 10.361 | 136  | 5605     | 0.400 | ng/ul  | # 0.06   |
| 9) Acenaphthene-d10         | 14.175 | 164  | 4278m    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.954 | 188  | 10134    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.157 | 240  | 10216    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.343 | 264  | 11996    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.060  | 96   | 1429     | 0.702 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.972 | 152  | 3001     | 0.328 | ng/ul  | 0.06     |
| 18) Fluoranthene-d10        | 18.986 | 212  | 10264    | 0.355 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.090  | 88   | 4069     | 1.754 | ng/ul# | 69       |
| 5) Naphthalene              | 10.416 | 128  | 4874     | 0.339 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.044 | 142  | 2990     | 0.307 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.231 | 142  | 3641     | 0.345 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.912 | 152  | 5547     | 0.317 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.245 | 153  | 4911     | 0.373 | ng/ul  | 98       |
| 12) Fluorene                | 15.267 | 166  | 4436     | 0.289 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.650 | 266  | 1038     | 0.503 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.000 | 178  | 8893     | 0.327 | ng/ul  | 99       |
| 16) Anthracene              | 17.110 | 178  | 7200     | 0.295 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.018 | 202  | 12260    | 0.364 | ng/ul  | 100      |
| 20) Pyrene                  | 19.381 | 202  | 13127    | 0.364 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.145 | 228  | 10956    | 0.314 | ng/ul  | 99       |
| 22) Chrysene                | 21.192 | 228  | 15635    | 0.384 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.685 | 252  | 12943    | 0.369 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.729 | 252  | 15736m   | 0.375 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.258 | 252  | 13557    | 0.411 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.557 | 276  | 17222    | 0.343 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.554 | 278  | 13331    | 0.335 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.224 | 276  | 14007    | 0.352 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

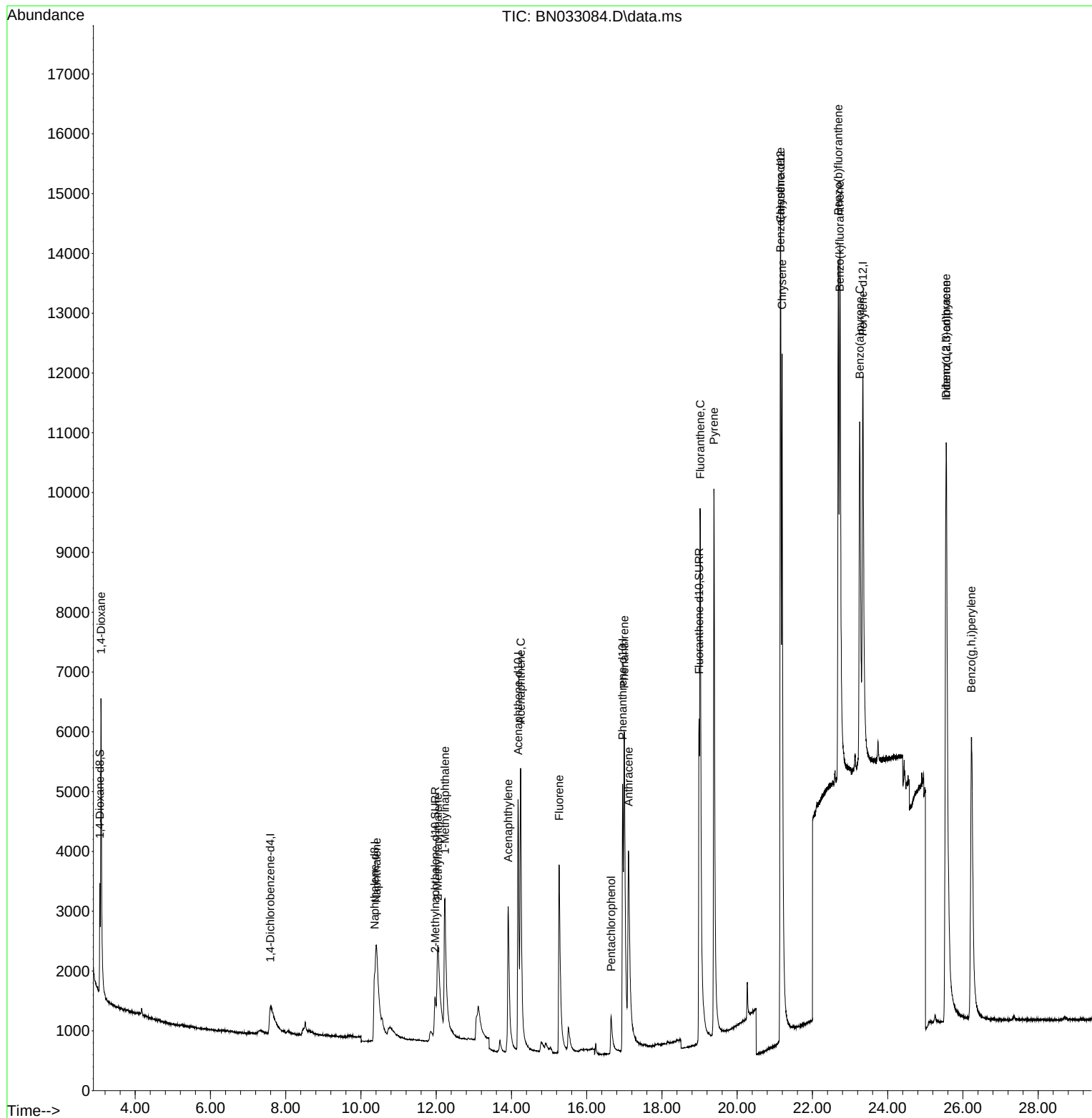
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Data File : BN033084.D  
Acq On : 30 Jul 2024 01:04  
Operator : MA/JU  
Sample : PB162277BS  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

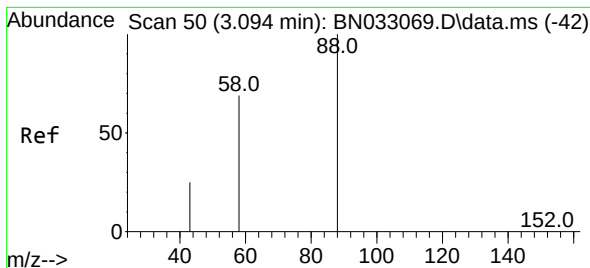
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277

Quant Time: Jul 30 01:42:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration

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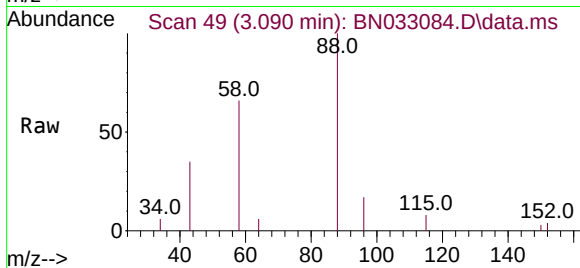
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024





#2  
1,4-Dioxane  
Concen: 1.754 ng/ul  
RT: 3.090 min Scan# 49  
Delta R.T. -0.013 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

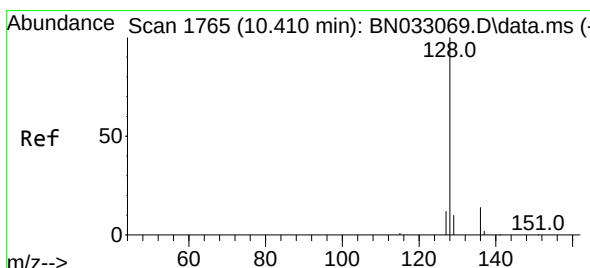
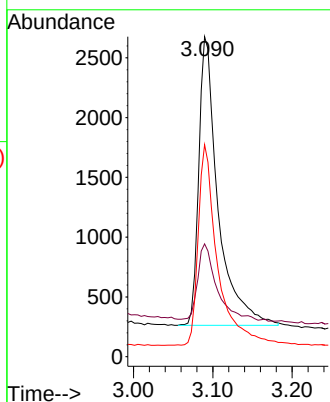
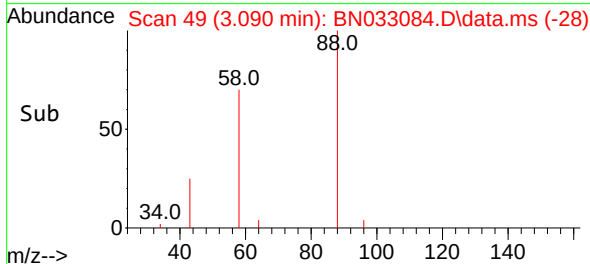
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



Tgt Ion: 88 Resp: 4069  
Ion Ratio Lower Upper  
88 100  
43 35.3 63.4 95.2  
58 66.3 49.4 74.0

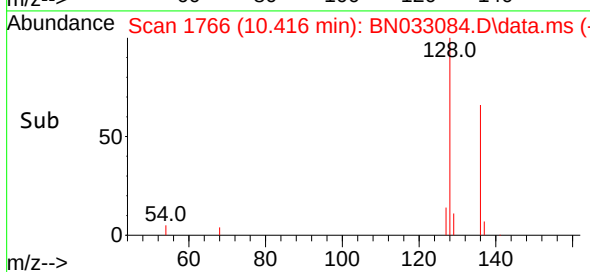
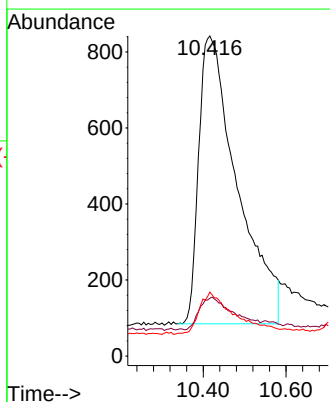
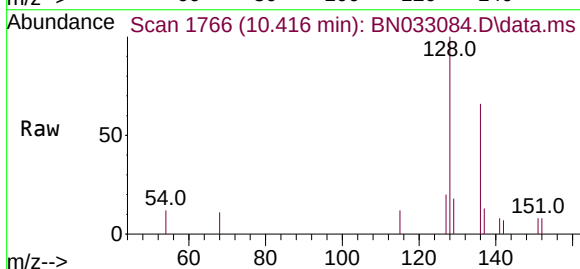
Manual Integrations  
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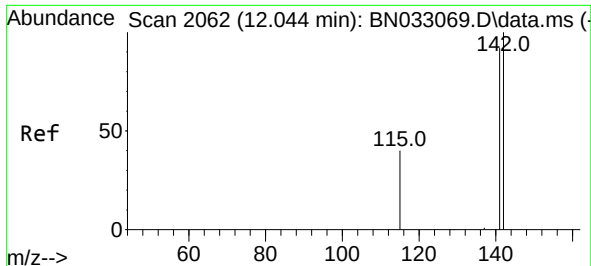
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



#5  
Naphthalene  
Concen: 0.339 ng/ul  
RT: 10.416 min Scan# 1766  
Delta R.T. 0.066 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

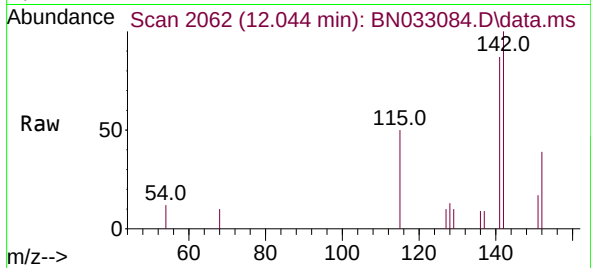
Tgt Ion:128 Resp: 4874  
Ion Ratio Lower Upper  
128 100  
129 18.1 12.0 18.0#  
127 20.0 12.7 19.1#





#7  
2-Methylnaphthalene  
Concen: 0.307 ng/ul  
RT: 12.044 min Scan# 2062  
Delta R.T. 0.061 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

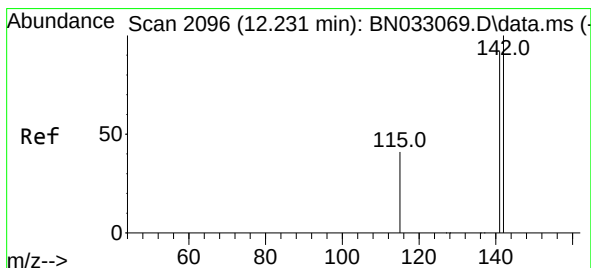
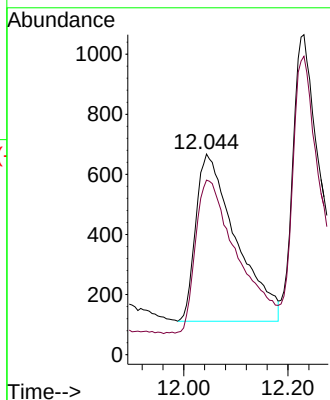
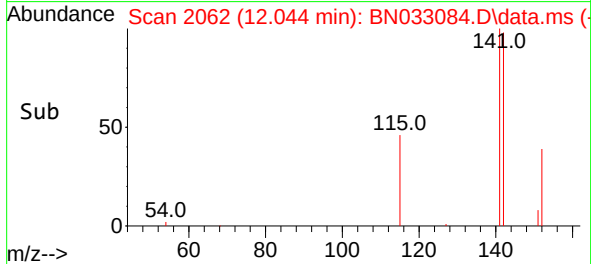
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



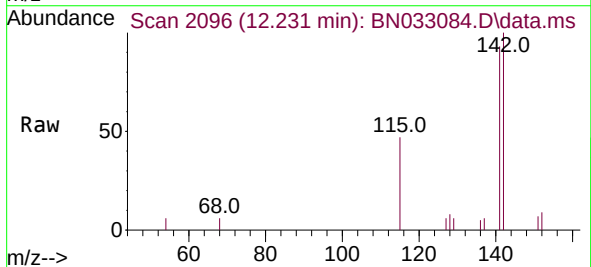
Tgt Ion:142 Resp: 2990  
Ion Ratio Lower Upper  
142 100  
141 96.8 75.2 112.8

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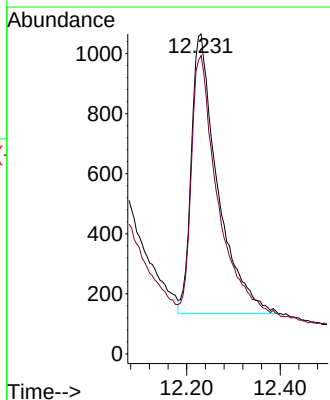
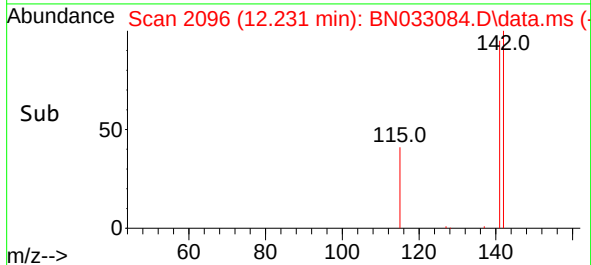
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

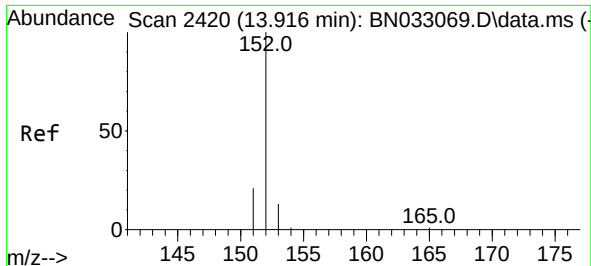


#8  
1-Methylnaphthalene  
Concen: 0.345 ng/ul  
RT: 12.231 min Scan# 2096  
Delta R.T. 0.033 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



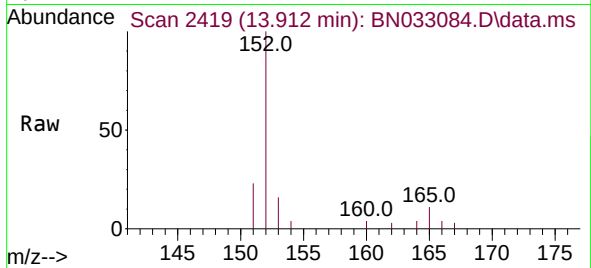
Tgt Ion:142 Resp: 3641  
Ion Ratio Lower Upper  
142 100  
141 91.4 74.3 111.5





#10  
Acenaphthylene  
Concen: 0.317 ng/ul  
RT: 13.912 min Scan# 2419  
Delta R.T. 0.014 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

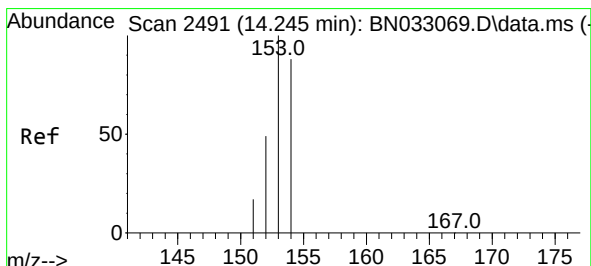
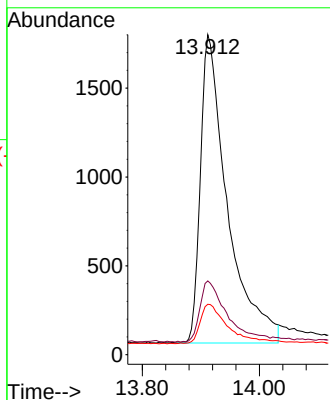
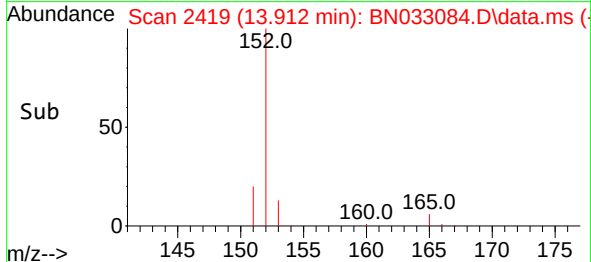
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:152 Resp: 554  
Ion Ratio Lower Upper  
152 100  
151 23.0 16.8 25.2  
153 15.8 11.9 17.9

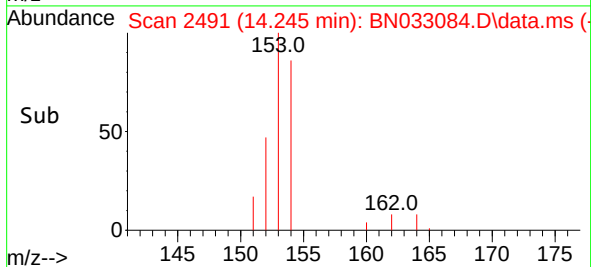
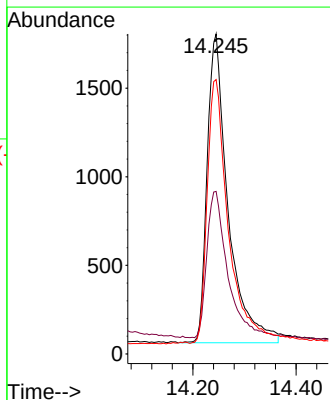
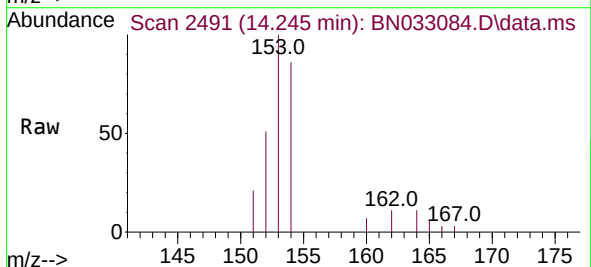
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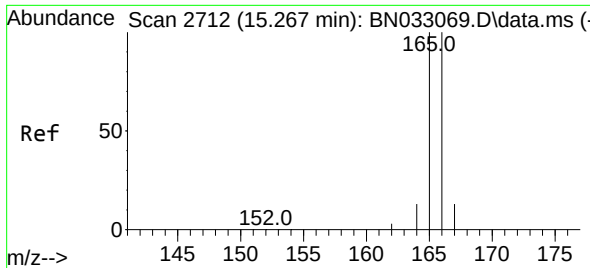
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



#11  
Acenaphthene  
Concen: 0.373 ng/ul  
RT: 14.245 min Scan# 2491  
Delta R.T. 0.009 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

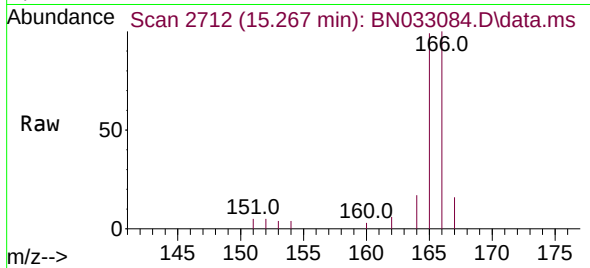
Tgt Ion:153 Resp: 4911  
Ion Ratio Lower Upper  
153 100  
152 50.8 40.0 60.0  
154 85.8 70.1 105.1





#12  
Fluorene  
Concen: 0.289 ng/ul  
RT: 15.267 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

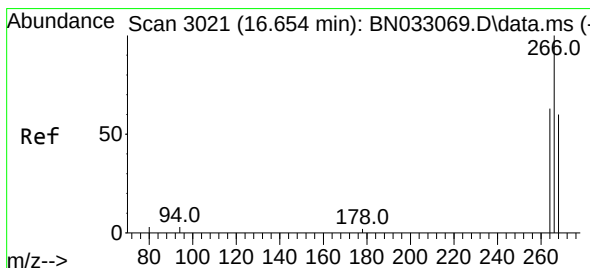
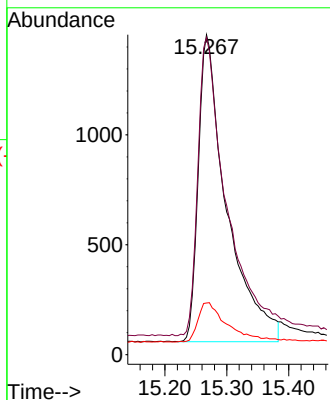
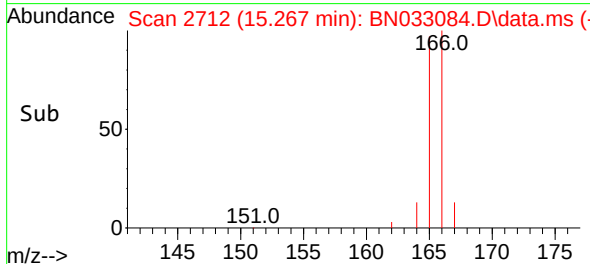
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



Tgt Ion:166 Resp: 4430  
Ion Ratio Lower Upper  
166 100  
165 99.2 79.6 119.4  
167 16.1 12.2 18.4

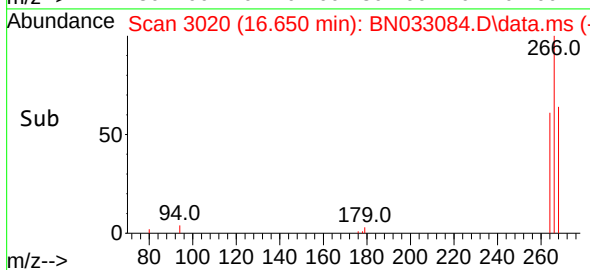
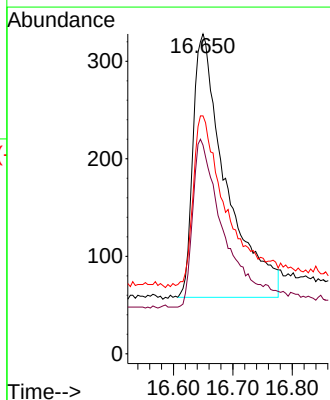
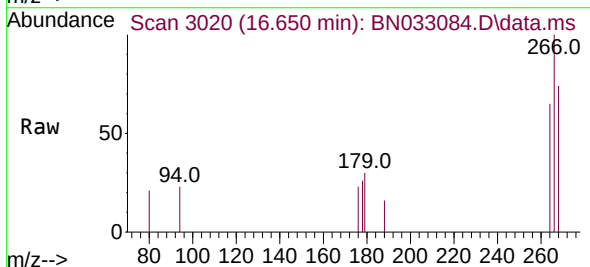
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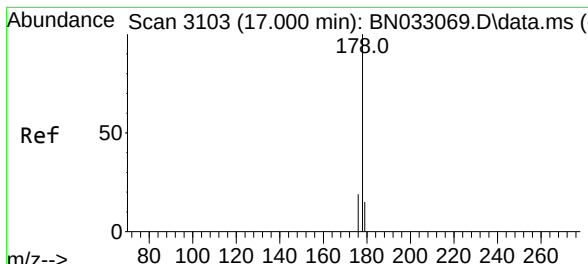
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



#14  
Pentachlorophenol  
Concen: 0.503 ng/ul  
RT: 16.650 min Scan# 3020  
Delta R.T. 0.013 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

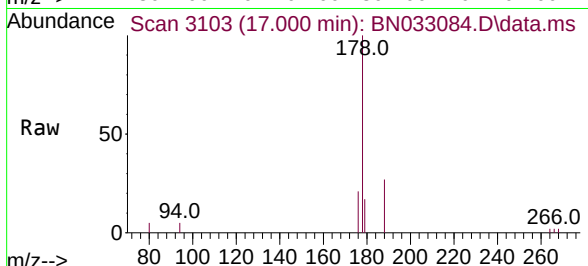
Tgt Ion:266 Resp: 1038  
Ion Ratio Lower Upper  
266 100  
264 62.2 49.3 73.9  
268 68.6 51.8 77.8





#15  
Phenanthrene  
Concen: 0.327 ng/u1  
RT: 17.000 min Scan# 3103  
Delta R.T. 0.013 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

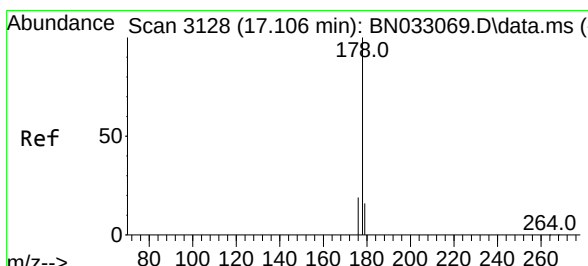
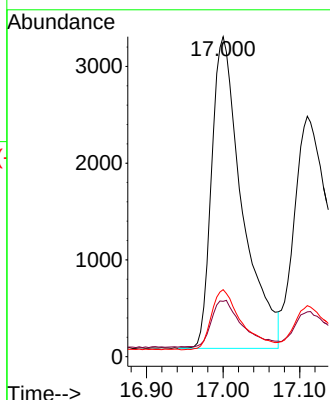
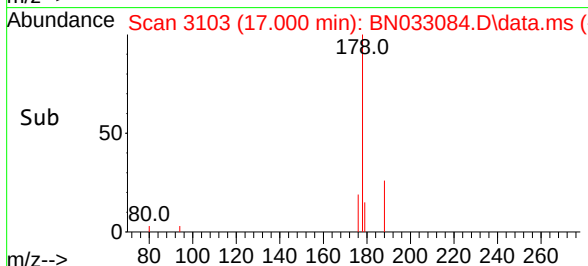
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



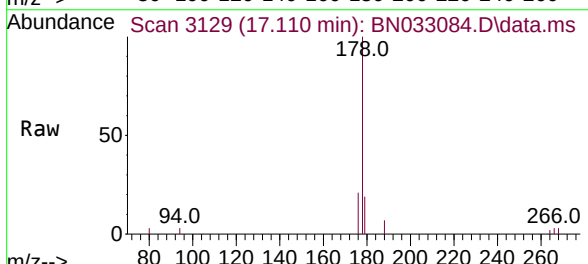
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Ion Ratio Lower Upper  
178 100  
179 17.3 13.7 20.5  
176 21.0 15.9 23.9

Manual Integrations  
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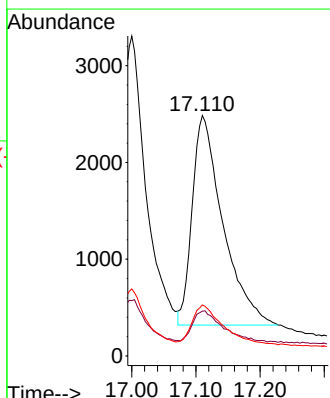
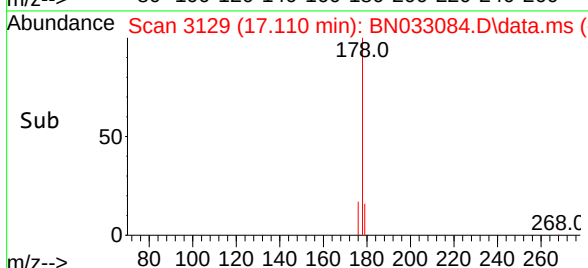
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

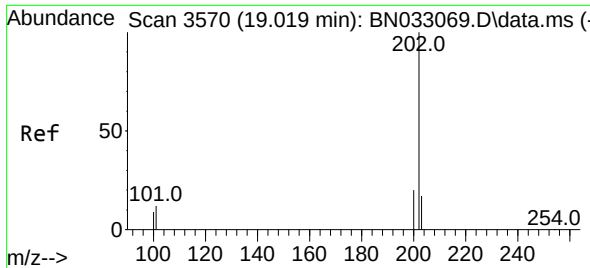


#16  
Anthracene  
Concen: 0.295 ng/u1  
RT: 17.110 min Scan# 3129  
Delta R.T. 0.025 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



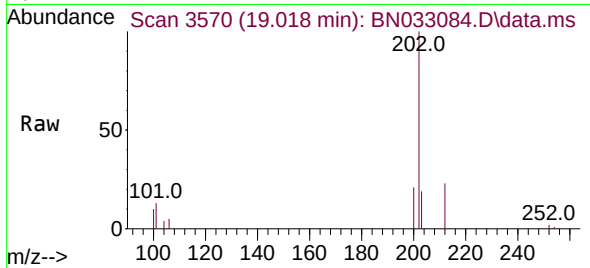
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Ion Ratio Lower Upper  
178 100  
179 18.7 14.3 21.5  
176 21.2 15.8 23.8





#19  
Fluoranthene  
Concen: 0.364 ng/ul  
RT: 19.018 min Scan# 3570  
Delta R.T. 0.005 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

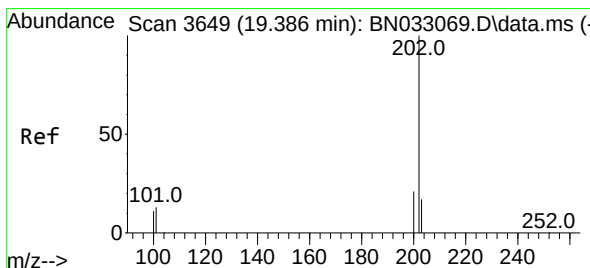
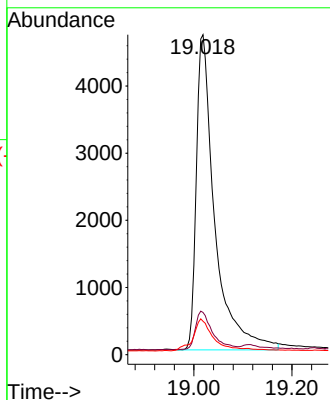
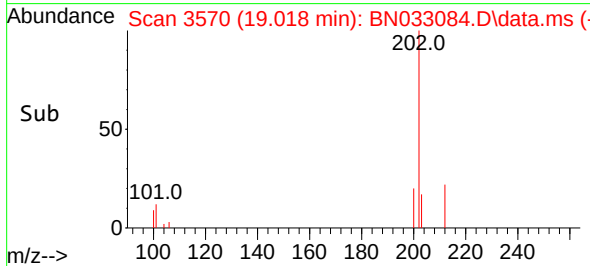
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



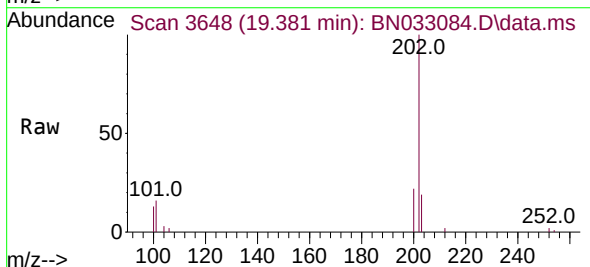
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101 13.2 10.7 16.1  
100 10.4 8.3 12.5

Manual Integrations  
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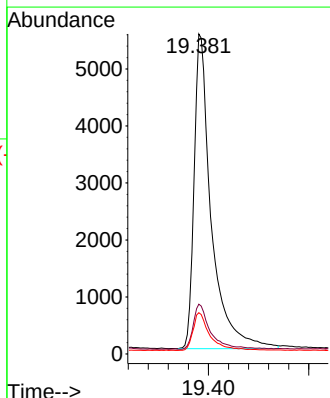
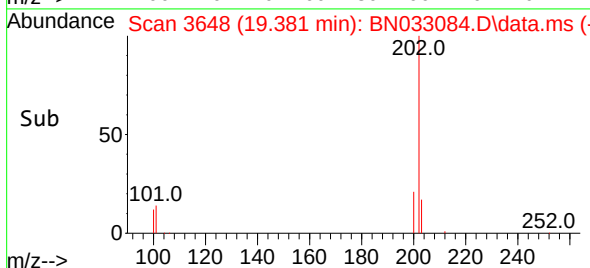
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



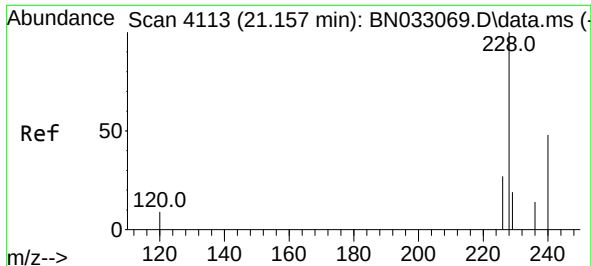
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Pyrene  
Concen: 0.364 ng/ul  
RT: 19.381 min Scan# 3648  
Delta R.T. 0.000 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



Tgt Ion:202 Resp: 13127  
Ion Ratio Lower Upper  
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101 15.6 12.6 18.8  
100 12.9 9.9 14.9

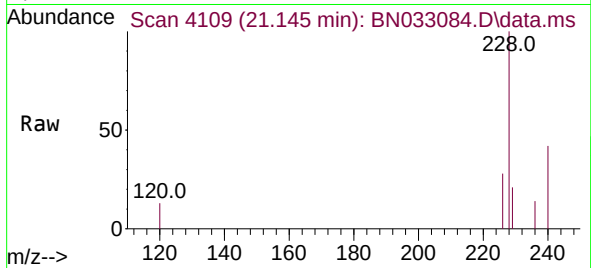






#21  
Benzo(a)anthracene  
Concen: 0.314 ng/ul  
RT: 21.145 min Scan# 4113  
Delta R.T. 0.000 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

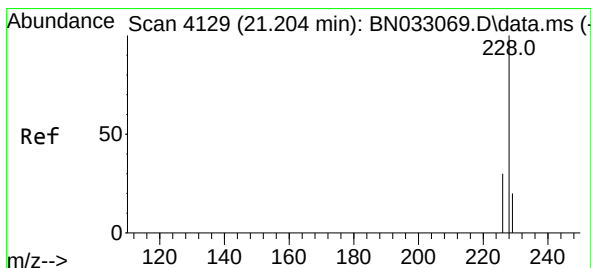
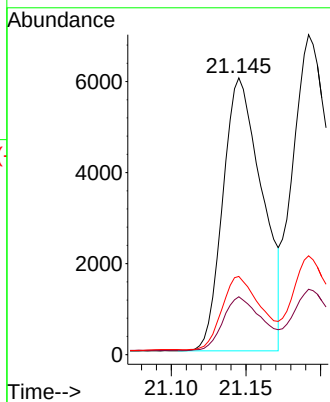
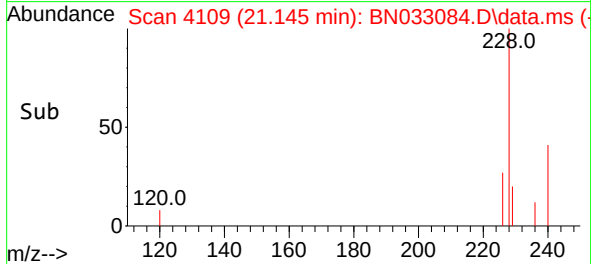
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



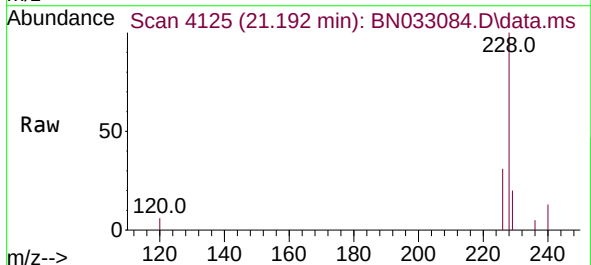
Tgt Ion:228 Resp: 10950  
Ion Ratio Lower Upper  
228 100  
229 20.9 17.1 25.7  
226 28.3 22.4 33.6

Manual Integrations  
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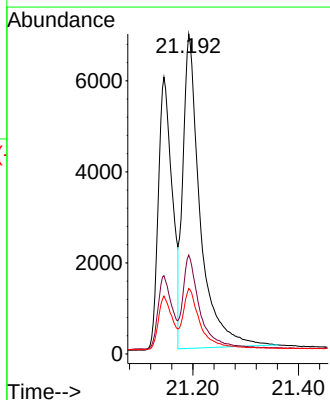
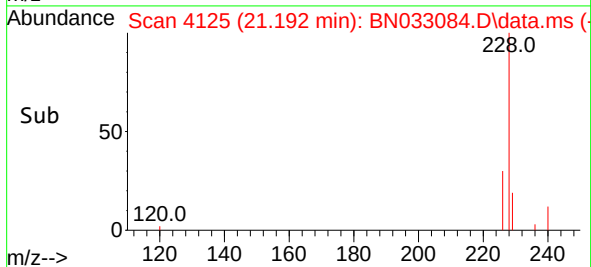
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

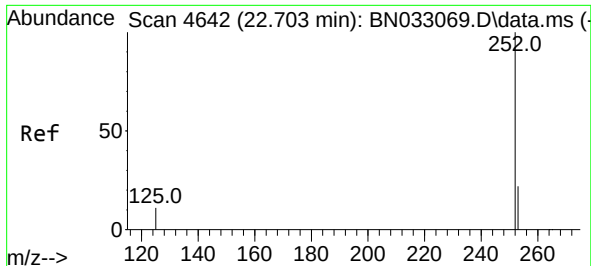


#22  
Chrysene  
Concen: 0.384 ng/ul  
RT: 21.192 min Scan# 4125  
Delta R.T. -0.003 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



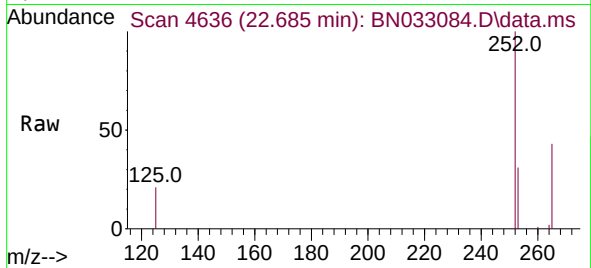
Tgt Ion:228 Resp: 15635  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.7 37.1  
229 20.4 17.0 25.6





#24  
Benzo(b)fluoranthene  
Concen: 0.369 ng/ul  
RT: 22.685 min Scan# 4636  
Delta R.T. -0.009 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

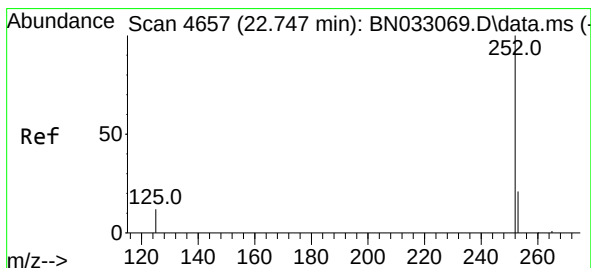
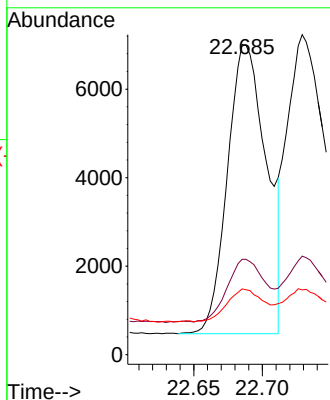
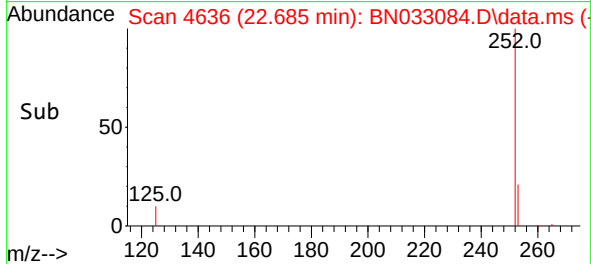
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



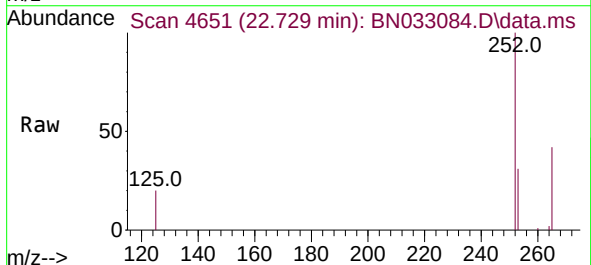
Tgt Ion:252 Resp: 1294  
Ion Ratio Lower Upper  
252 100  
253 30.7 0.0 60.6  
125 21.2 0.0 51.0

Manual Integrations  
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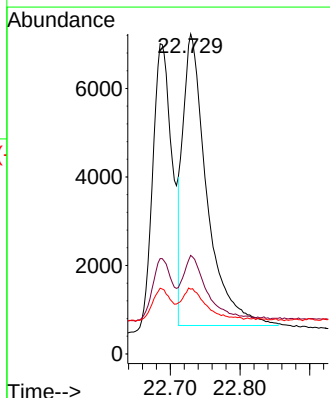
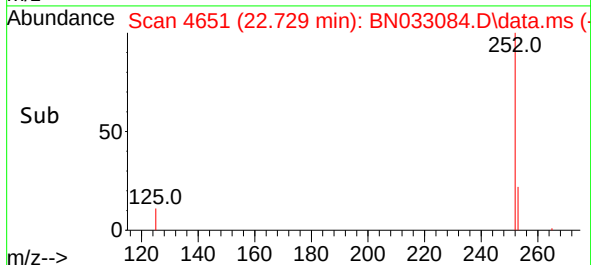
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

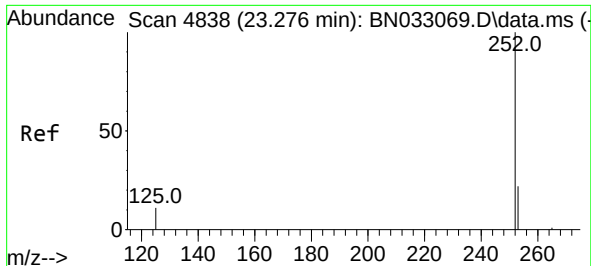


#25  
Benzo(k)fluoranthene  
Concen: 0.375 ng/ul m  
RT: 22.729 min Scan# 4651  
Delta R.T. -0.006 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



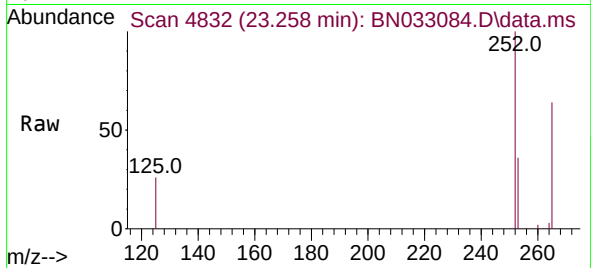
Tgt Ion:252 Resp: 15736  
Ion Ratio Lower Upper  
252 100  
253 30.8 24.9 37.3  
125 20.3 20.9 31.3#





#26  
Benzo(a)pyrene  
Concen: 0.411 ng/ul  
RT: 23.258 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

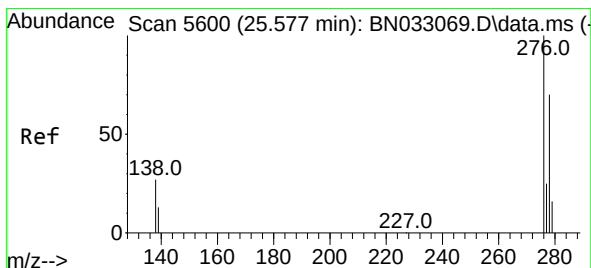
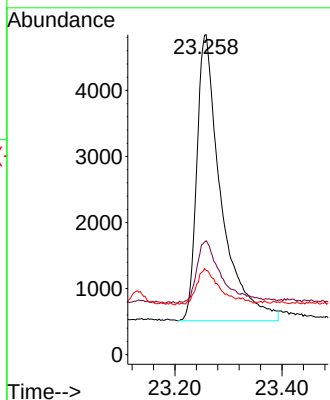
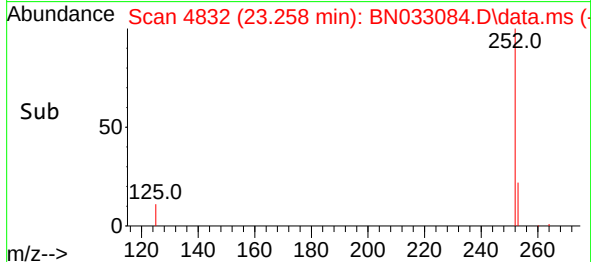
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



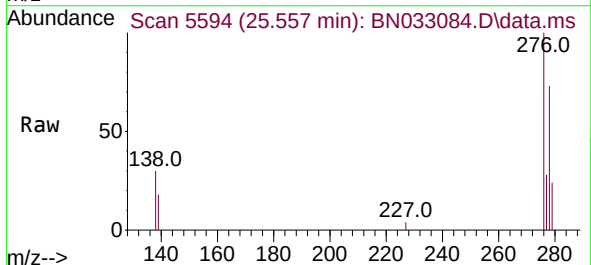
Tgt Ion:252 Resp: 1355  
Ion Ratio Lower Upper  
252 100  
253 35.6 27.5 41.3  
125 26.3 27.0 40.6

Manual Integrations  
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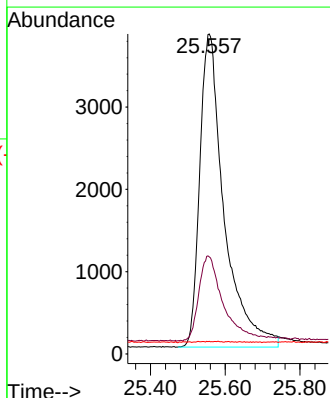
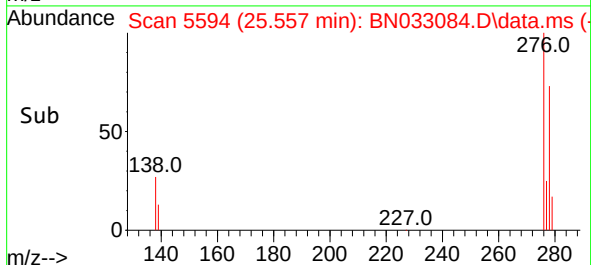
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

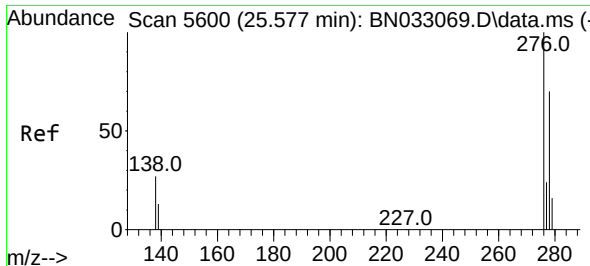


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.343 ng/ul  
RT: 25.557 min Scan# 5594  
Delta R.T. -0.003 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04



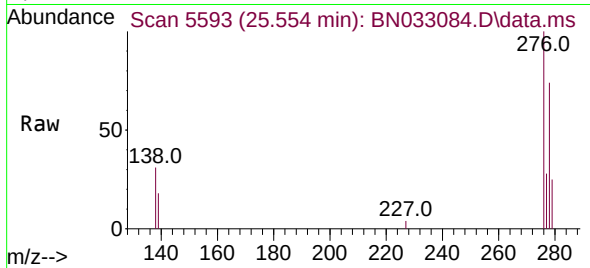
Tgt Ion:276 Resp: 17222  
Ion Ratio Lower Upper  
276 100  
138 28.0 21.8 32.8  
227 0.0 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 0.335 ng/ul  
RT: 25.554 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

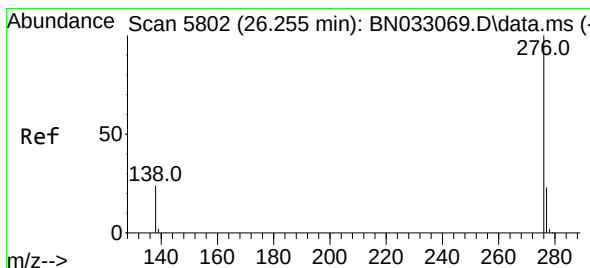
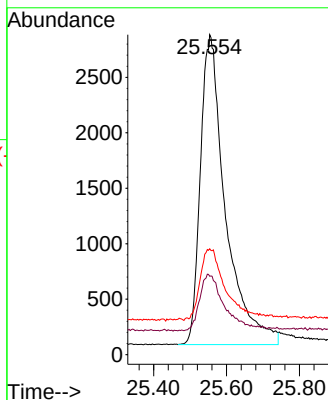
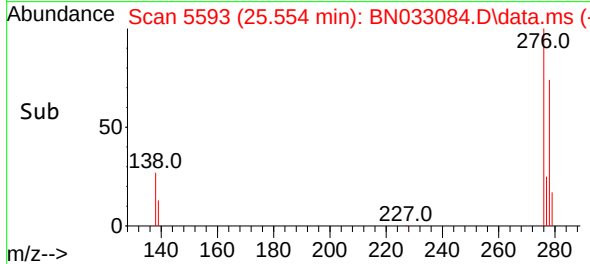
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS277



Tgt Ion:278 Resp: 1333  
Ion Ratio Lower Upper  
278 100  
139 24.5 22.5 33.7  
279 33.1 25.5 38.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.352 ng/ul  
RT: 26.224 min Scan# 5793  
Delta R.T. -0.017 min  
Lab File: BN033084.D  
Acq: 30 Jul 2024 01:04

Tgt Ion:276 Resp: 14007  
Ion Ratio Lower Upper  
276 100  
138 29.0 24.6 37.0  
277 27.2 22.6 34.0

