

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072324\  
 Data File : BN032933.D  
 Acq On : 24 Jul 2024 05:09  
 Operator : MA/JU  
 Sample : P3215-14  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4D31

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/26/2024

Quant Time: Jul 24 05:40:39 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 : Sat Jul 20 01:52:15 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.519  | 152  | 5216     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.294 | 136  | 18233    | 0.400  | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.175 | 164  | 12037    | 0.400  | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 16.940 | 188  | 18391m   | 0.400  | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.162 | 240  | 13641m   | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.363 | 264  | 19285m   | 0.400  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.085  | 96   | 23489    | 3.750  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.894 | 152  | 7170     | 0.260  | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.985 | 212  | 10691m   | 0.240  | ng/ul  | -0.01    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.338 | 128  | 92506    | 1.889  | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.966 | 142  | 81311    | 2.660  | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.191 | 142  | 76295    | 2.414  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.897 | 152  | 116455   | 2.395  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.239 | 153  | 21998    | 0.547  | ng/ul  | 99       |
| 12) Fluorene                | 15.239 | 166  | 27901    | 0.607  | ng/ul# | 98       |
| 15) Phenanthrene            | 16.982 | 178  | 669635m  | 13.370 | ng/ul  |          |
| 16) Anthracene              | 17.075 | 178  | 138579m  | 3.387  | ng/ul  |          |
| 19) Fluoranthene            | 19.018 | 202  | 1349406m | 24.331 | ng/ul  |          |
| 20) Pyrene                  | 19.385 | 202  | 760987m  | 13.256 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.144 | 228  | 612460m  | 14.105 | ng/ul  |          |
| 22) Chrysene                | 21.197 | 228  | 768035m  | 12.227 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.708 | 252  | 999618m  | 14.691 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.743 | 252  | 358566m  | 4.324  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.266 | 252  | 240898m  | 4.091  | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.586 | 276  | 283476m  | 3.555  | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.576 | 278  | 146392m  | 2.369  | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.273 | 276  | 39294m   | 0.590  | ng/ul  |          |
| -----                       |        |      |          |        |        |          |

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

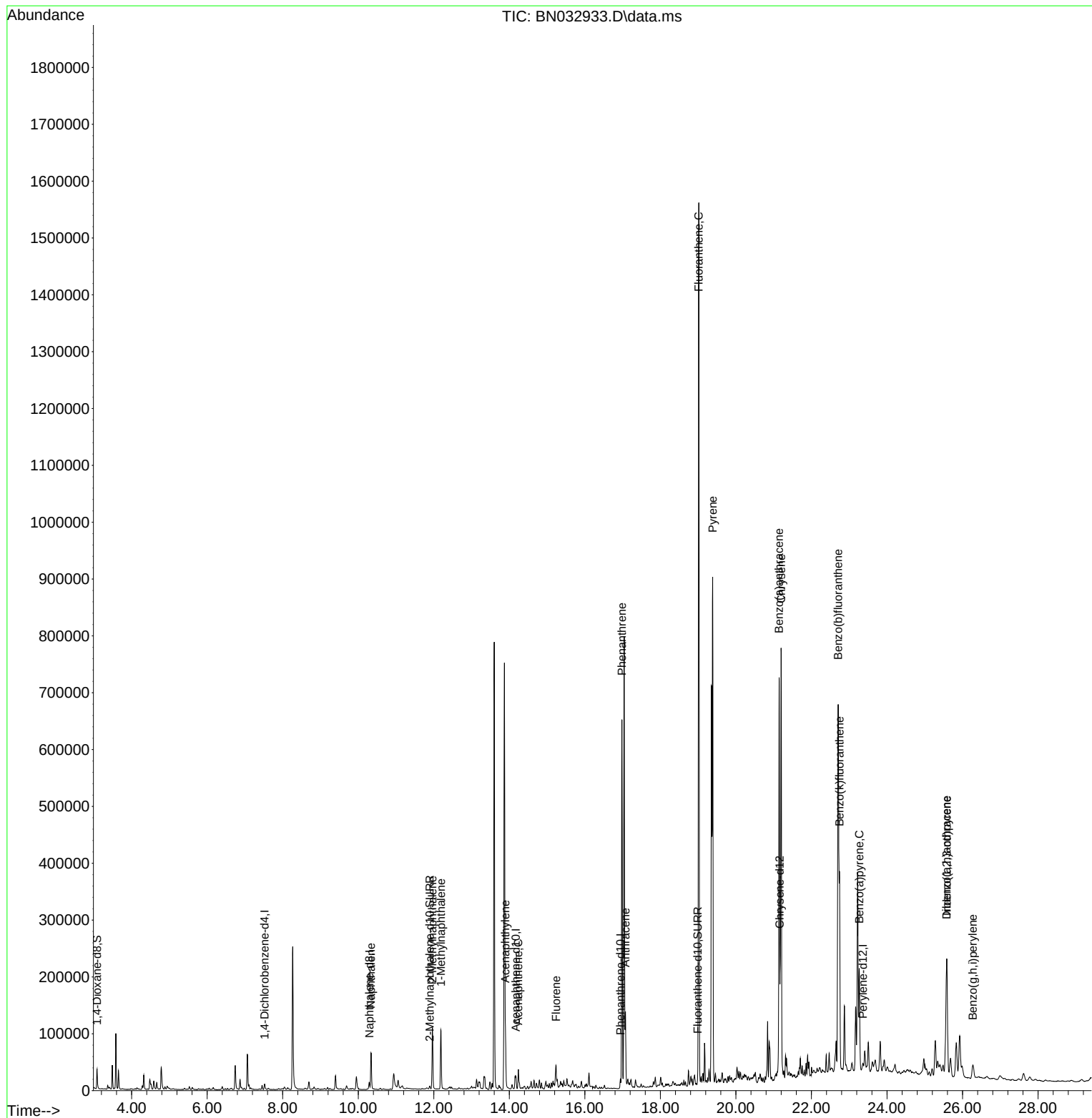
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072324\  
Data File : BN032933.D  
Acq On : 24 Jul 2024 05:09  
Operator : MA/JU  
Sample : P3215-14  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

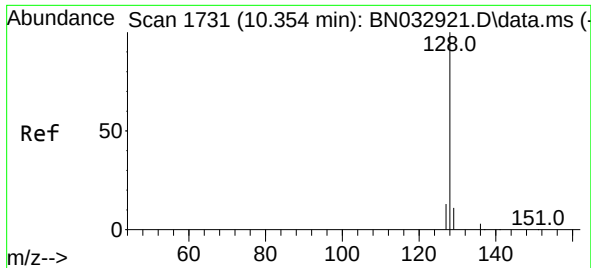
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31

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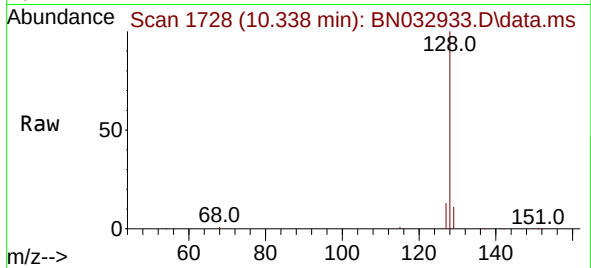
Quant Time: Jul 24 05:40:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 20 01:52:15 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 1.889 ng/ul  
RT: 10.338 min Scan# 1731  
Delta R.T. -0.026 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

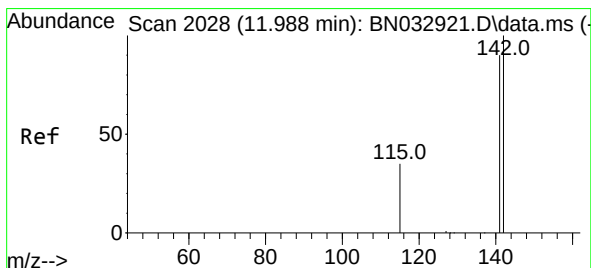
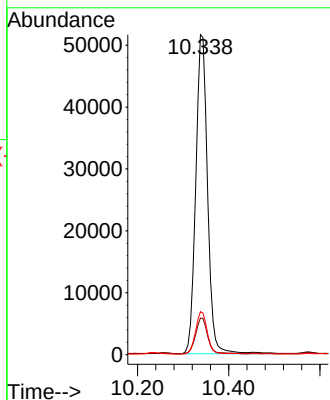
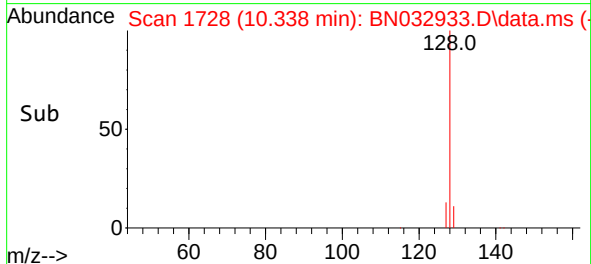
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:128 Resp: 92500  
Ion Ratio Lower Upper  
128 100  
129 11.4 10.0 15.0  
127 13.4 11.6 17.4

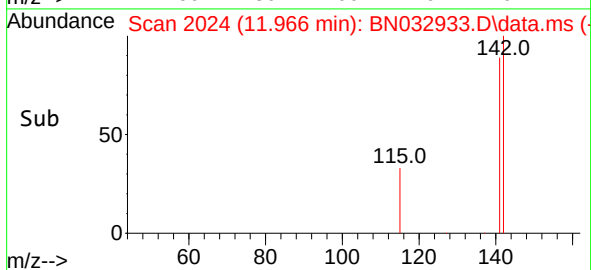
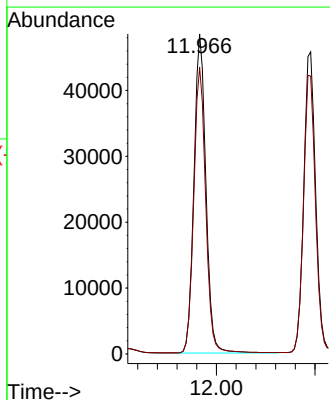
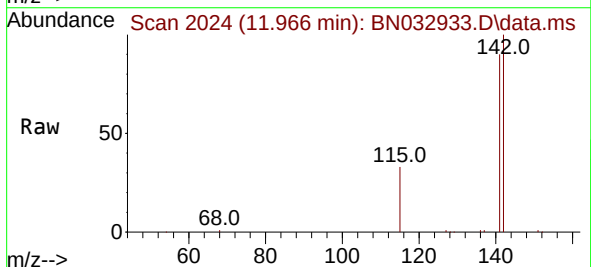
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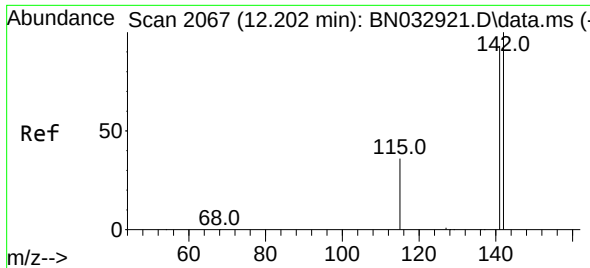
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#7  
2-Methylnaphthalene  
Concen: 2.660 ng/ul  
RT: 11.966 min Scan# 2024  
Delta R.T. -0.031 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

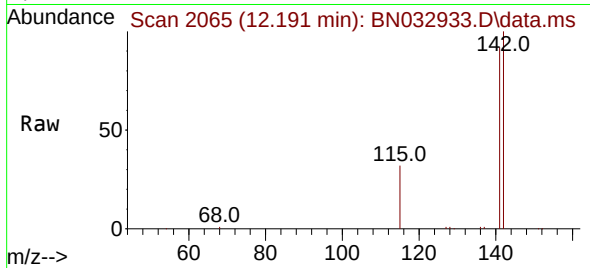
Tgt Ion:142 Resp: 81311  
Ion Ratio Lower Upper  
142 100  
141 89.2 74.0 111.0





#8  
1-Methylnaphthalene  
Concen: 2.414 ng/ul  
RT: 12.191 min Scan# 2065  
Delta R.T. -0.020 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

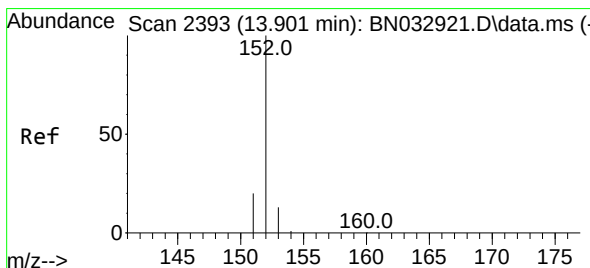
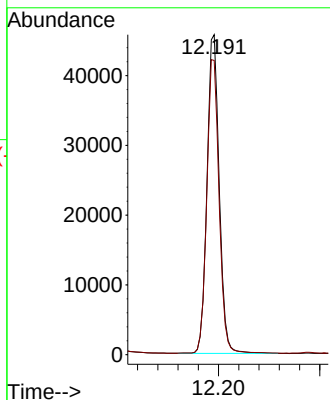
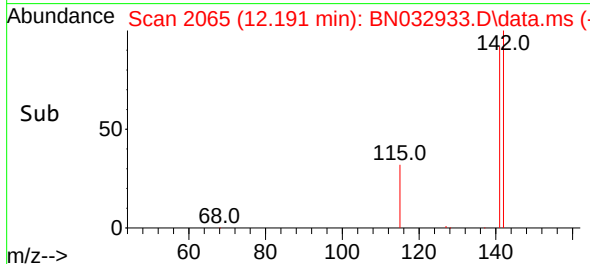
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:142 Resp: 76295  
Ion Ratio Lower Upper  
142 100  
141 92.8 75.0 112.4

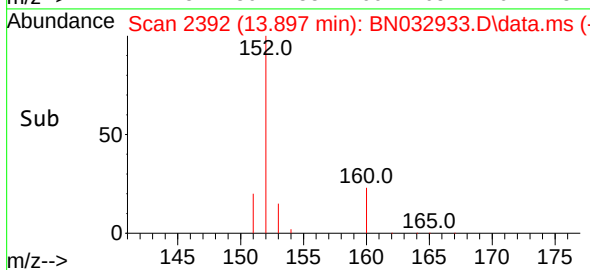
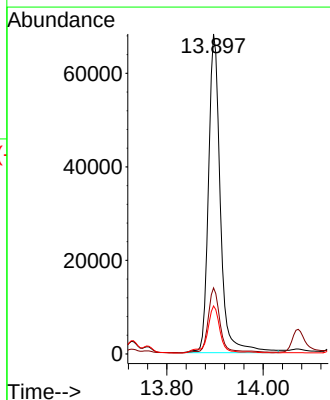
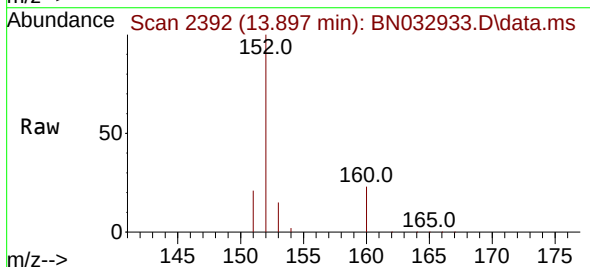
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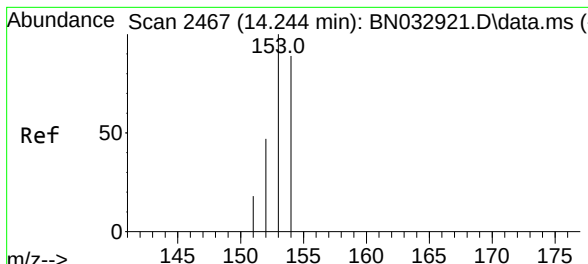
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#10  
Acenaphthylene  
Concen: 2.395 ng/ul  
RT: 13.897 min Scan# 2392  
Delta R.T. -0.017 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

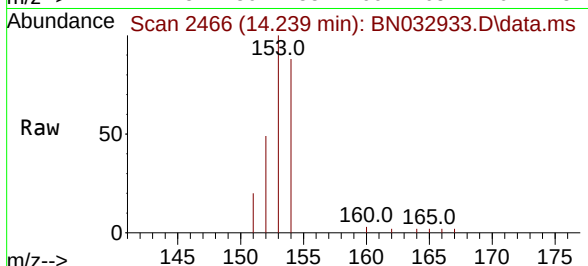
Tgt Ion:152 Resp: 116455  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.3 24.5  
153 15.0 11.3 16.9





#11  
Acenaphthene  
Concen: 0.547 ng/ul  
RT: 14.239 min Scan# 2466  
Delta R.T. -0.012 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

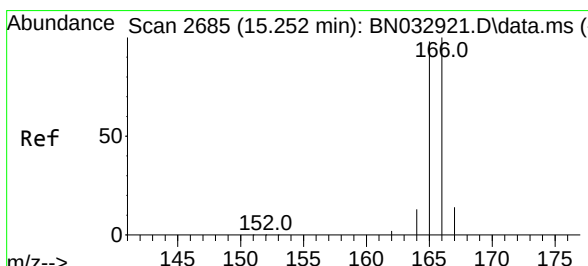
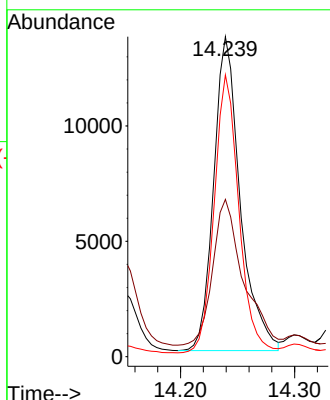
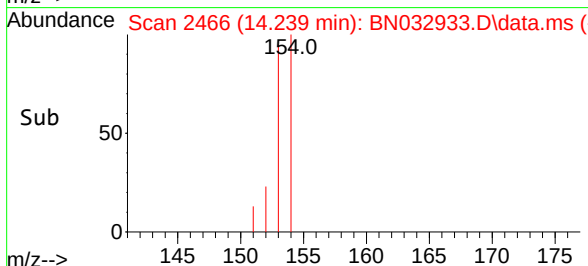
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:153 Resp: 21998  
Ion Ratio Lower Upper  
153 100  
152 49.2 40.0 60.0  
154 88.0 70.2 105.4

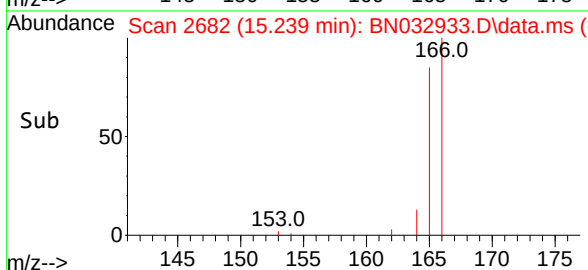
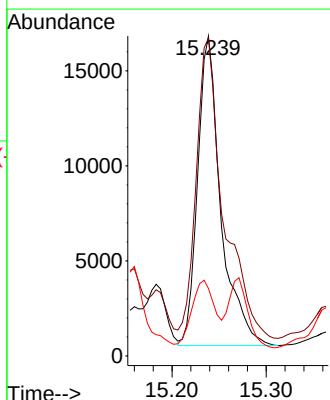
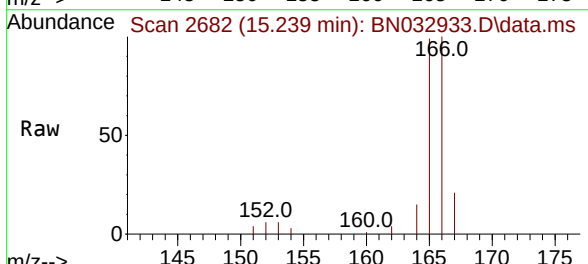
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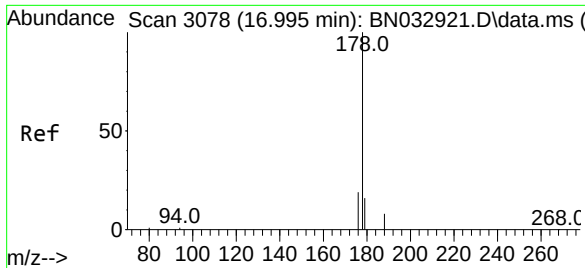
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#12  
Fluorene  
Concen: 0.607 ng/ul  
RT: 15.239 min Scan# 2682  
Delta R.T. -0.022 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

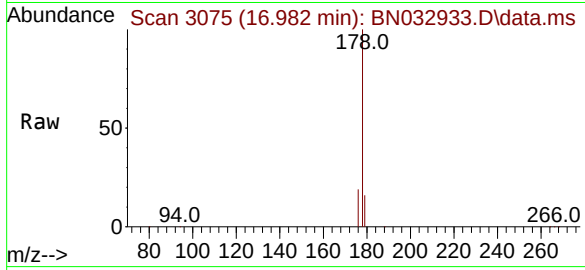
Tgt Ion:166 Resp: 27901  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.7 119.5  
167 21.1 11.4 17.2#





#15  
Phenanthrene  
Concen: 13.370 ng/ul m  
RT: 16.982 min Scan# 3075  
Delta R.T. -0.019 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

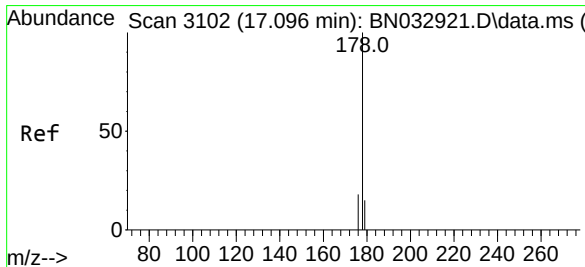
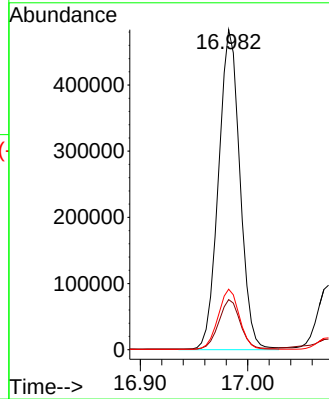
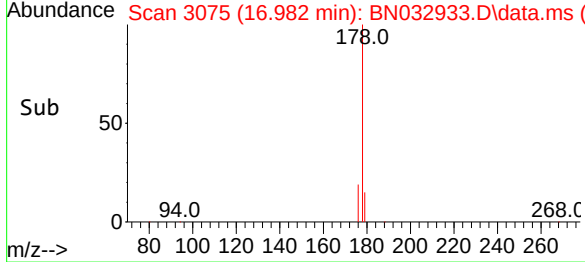
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



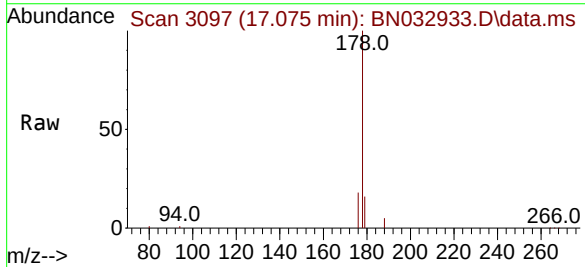
Tgt Ion:178 Resp: 66963  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.0 19.4  
176 18.9 15.6 23.4

Manual Integrations  
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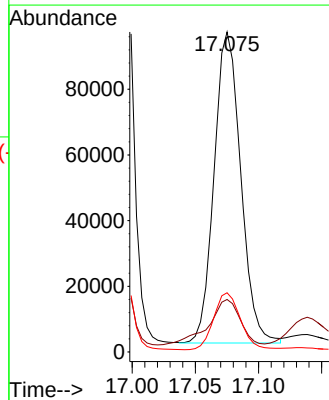
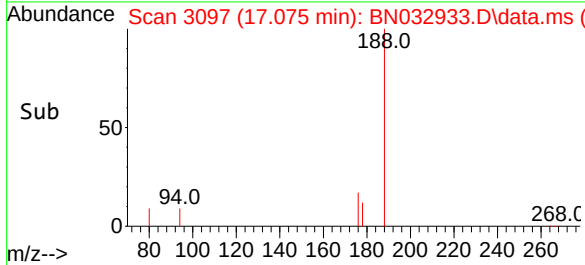
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024

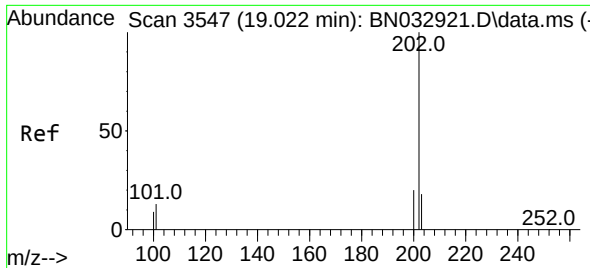


#16  
Anthracene  
Concen: 3.387 ng/ul m  
RT: 17.075 min Scan# 3097  
Delta R.T. -0.024 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09



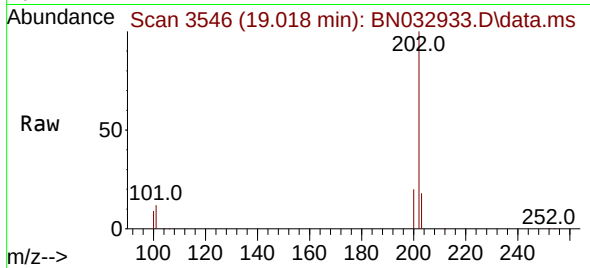
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Ion Ratio Lower Upper  
178 100  
179 16.4 13.4 20.2  
176 18.5 15.4 23.0





#19  
Fluoranthene  
Concen: 24.331 ng/ul m  
RT: 19.018 min Scan# 3546  
Delta R.T. -0.008 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

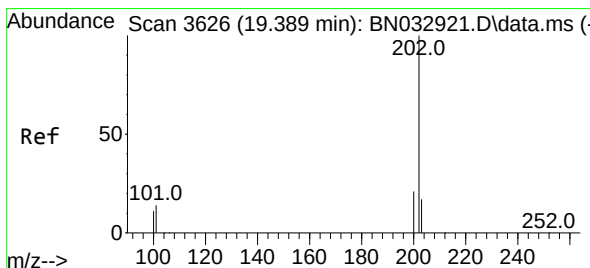
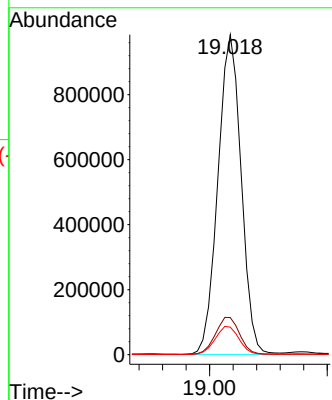
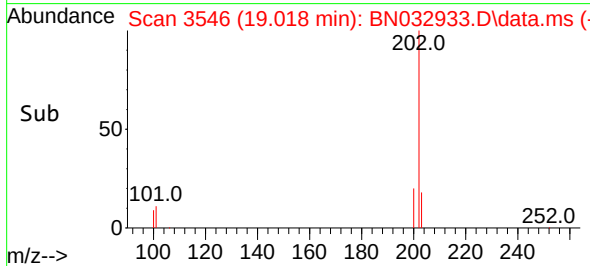
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:202 Resp: 1349400  
Ion Ratio Lower Upper  
202 100  
101 11.6 9.8 14.8  
100 8.6 7.9 11.9

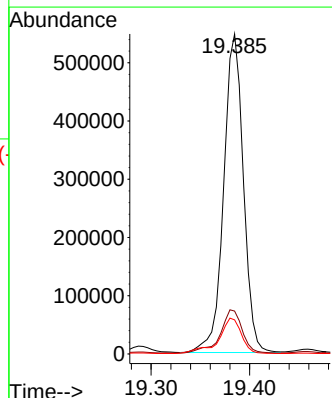
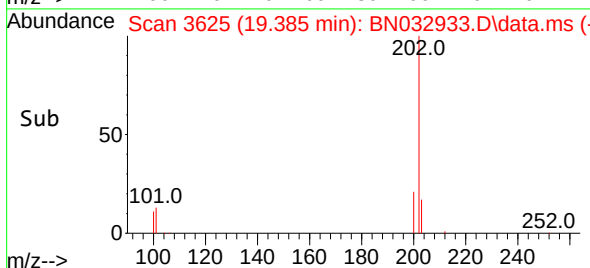
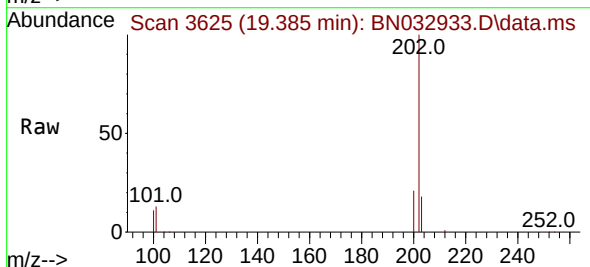
Manual Integrations  
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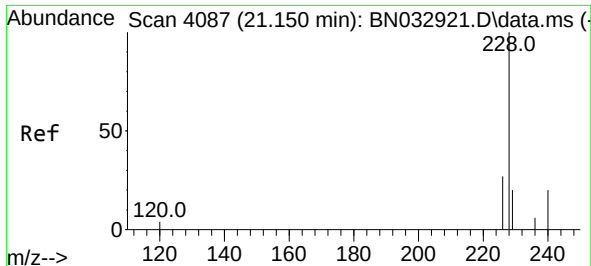
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#20  
Pyrene  
Concen: 13.256 ng/ul m  
RT: 19.385 min Scan# 3625  
Delta R.T. -0.008 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

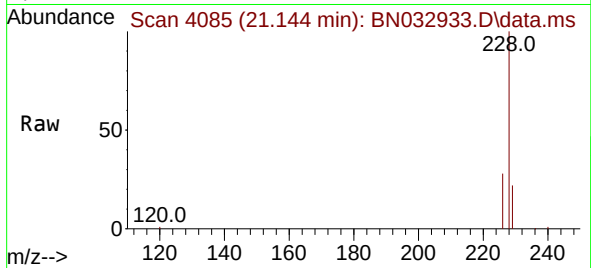
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Ion Ratio Lower Upper  
202 100  
101 13.4 11.8 17.6  
100 10.6 9.6 14.4





#21  
Benzo(a)anthracene  
Concen: 14.105 ng/ul m  
RT: 21.144 min Scan# 4087  
Delta R.T. -0.006 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

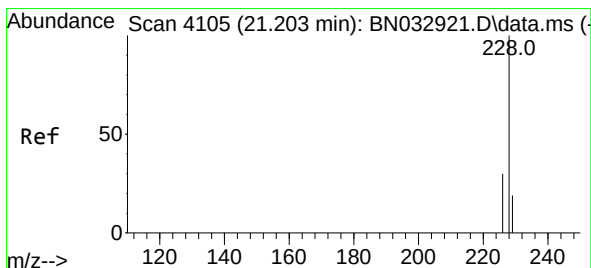
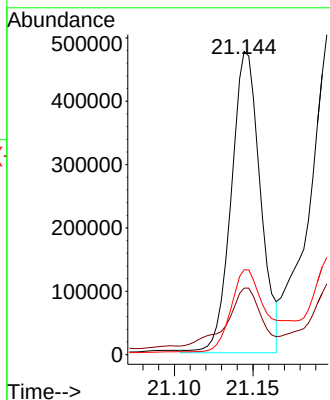
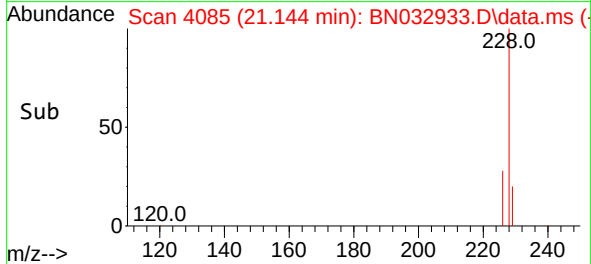
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:228 Resp: 612460  
Ion Ratio Lower Upper  
228 100  
229 22.0 16.1 24.1  
226 28.0 21.9 32.9

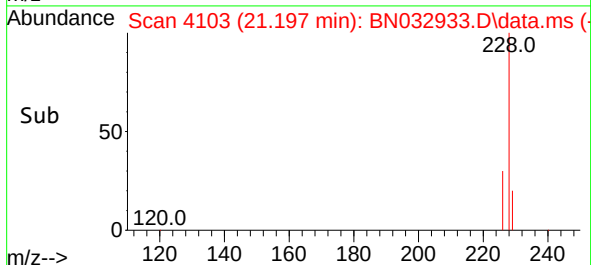
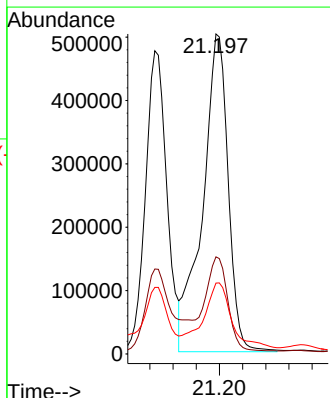
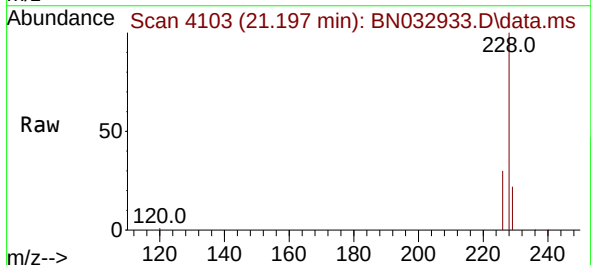
Manual Integrations  
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Supervised By :mohammad ahmed 07/26/2024

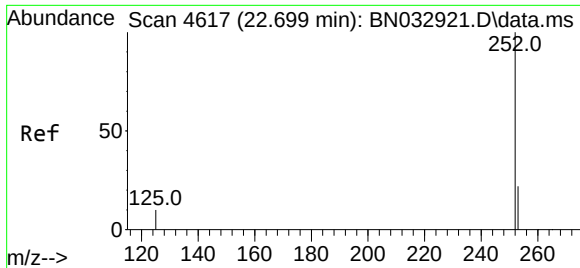


#22  
Chrysene  
Concen: 12.227 ng/ul m  
RT: 21.197 min Scan# 4103  
Delta R.T. -0.006 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

Tgt Ion:228 Resp: 768035  
Ion Ratio Lower Upper  
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229 22.2 15.8 23.6

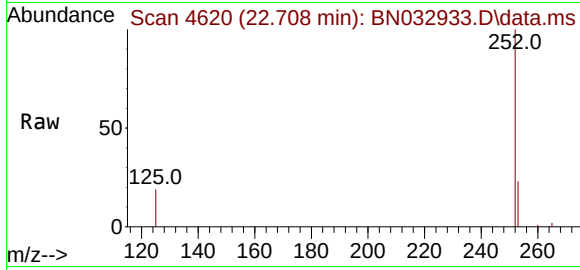






#24  
Benzo(b)fluoranthene  
Concen: 14.691 ng/ul m  
RT: 22.708 min Scan# 4620  
Delta R.T. 0.009 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

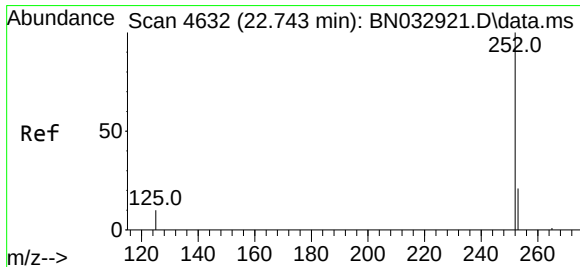
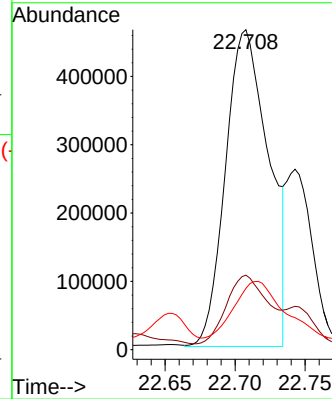
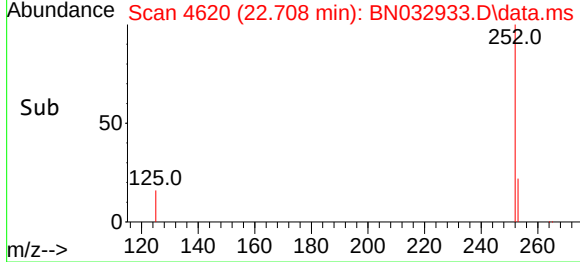
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



Tgt Ion:252 Resp: 999618  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 54.0  
125 19.1 0.0 36.0

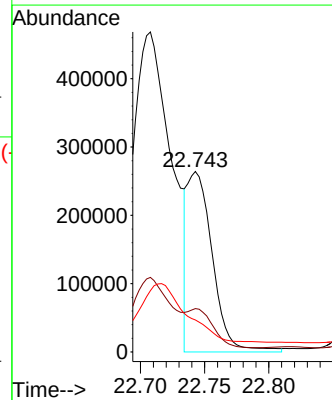
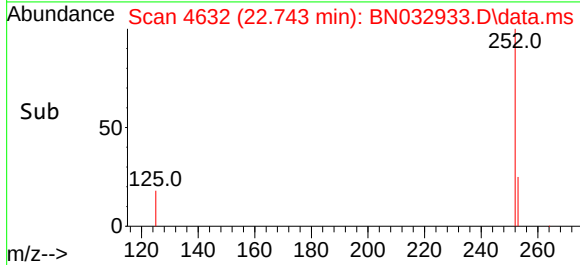
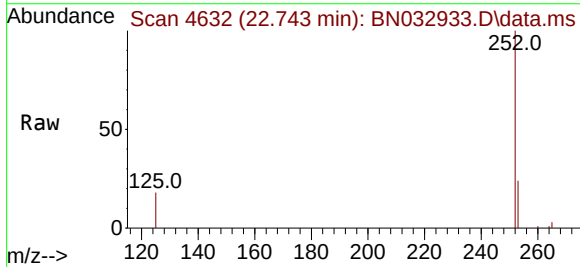
Manual Integrations  
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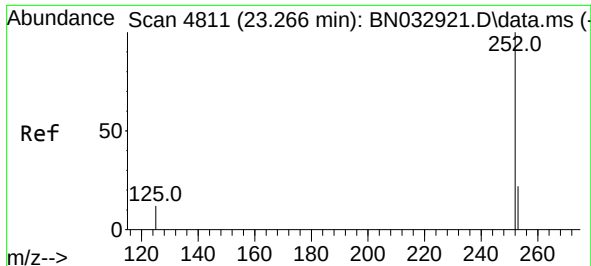
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#25  
Benzo(k)fluoranthene  
Concen: 4.324 ng/ul m  
RT: 22.743 min Scan# 4632  
Delta R.T. 0.003 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

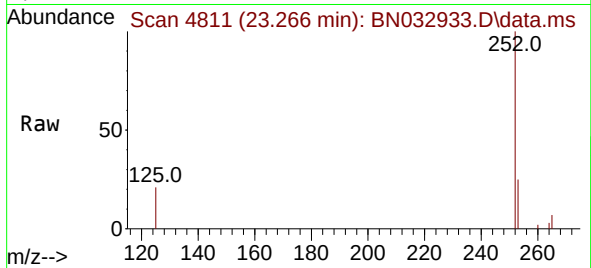
Tgt Ion:252 Resp: 358566  
Ion Ratio Lower Upper  
252 100  
253 24.0 21.2 31.8  
125 17.7 14.8 22.2





#26  
Benzo(a)pyrene  
Concen: 4.091 ng/ul m  
RT: 23.266 min Scan# 4811  
Delta R.T. 0.003 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

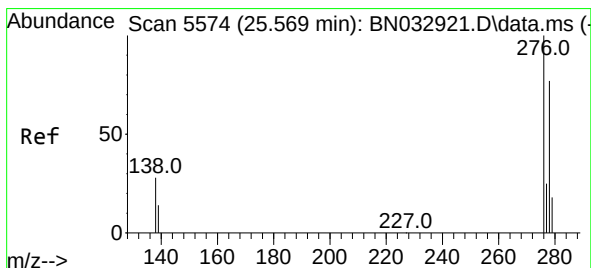
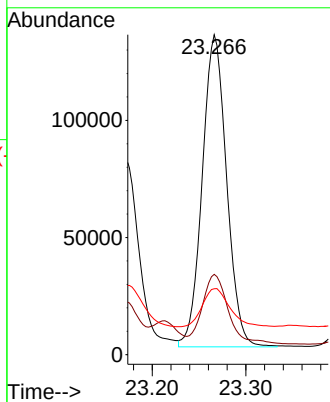
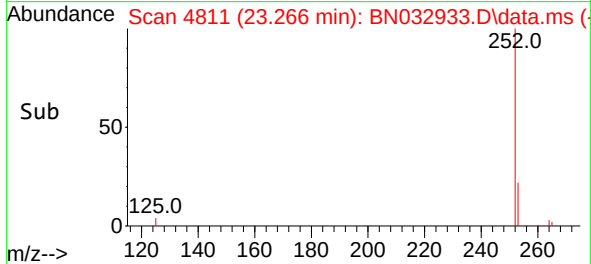
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



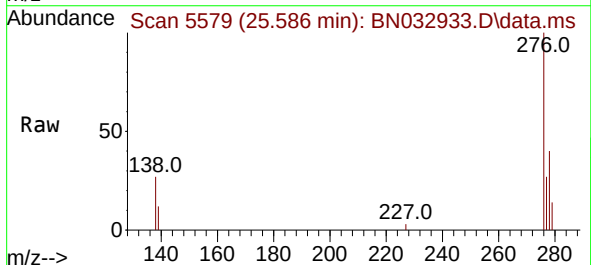
Tgt Ion:252 Resp: 240898  
Ion Ratio Lower Upper  
252 100  
253 25.1 25.4 38.0#  
125 20.6 20.6 30.8#

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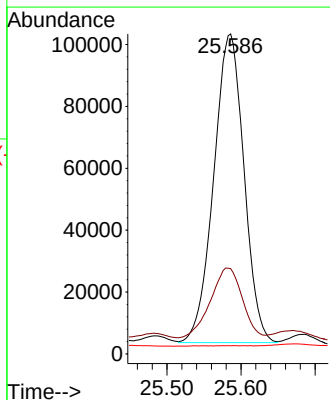
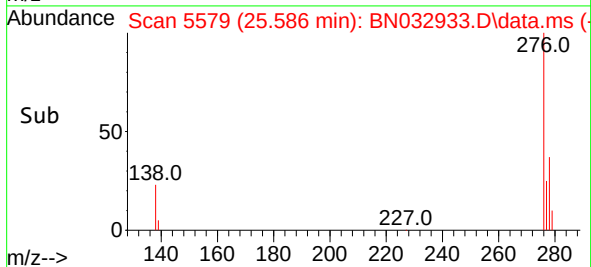
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024

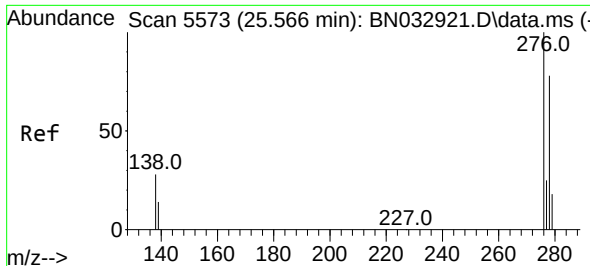


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.555 ng/ul m  
RT: 25.586 min Scan# 5579  
Delta R.T. 0.017 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09



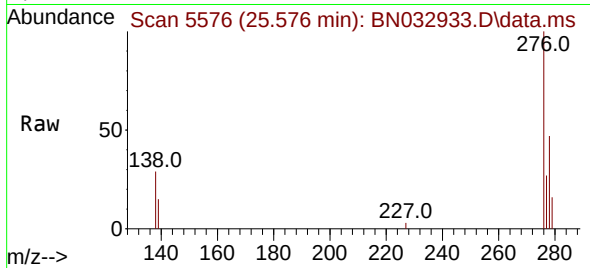
Tgt Ion:276 Resp: 283476  
Ion Ratio Lower Upper  
276 100  
138 3.7 21.6 32.4#  
227 1.1 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 2.369 ng/ul m  
RT: 25.576 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09

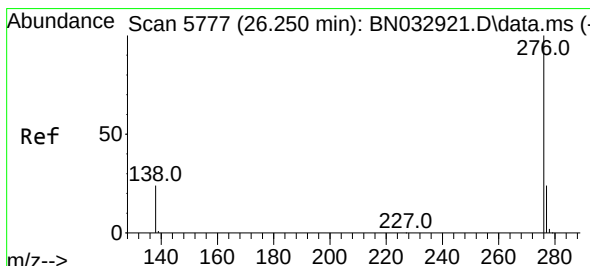
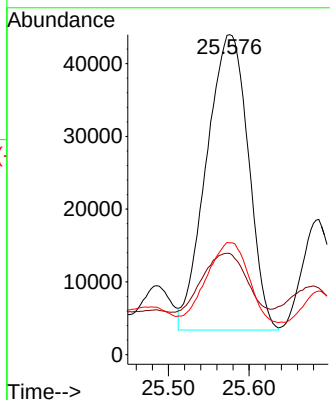
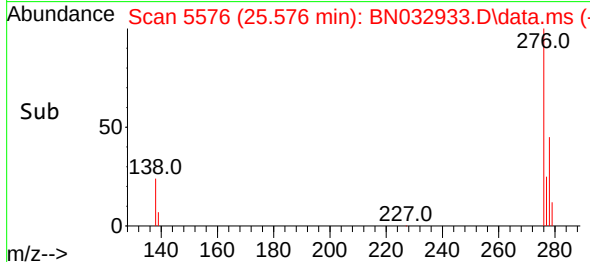
Instrument :  
BNA\_N  
ClientSampleId :  
A4D31



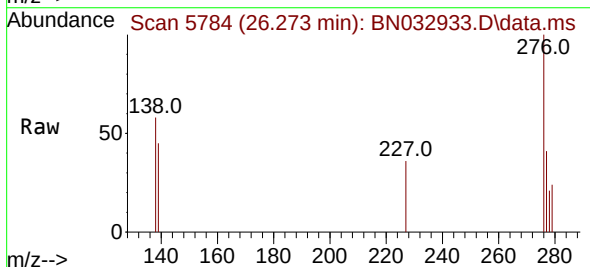
Tgt Ion:278 Resp: 146392  
Ion Ratio Lower Upper  
278 100  
139 31.7 16.6 24.8#  
279 35.0 23.7 35.5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.590 ng/ul m  
RT: 26.273 min Scan# 5784  
Delta R.T. 0.023 min  
Lab File: BN032933.D  
Acq: 24 Jul 2024 05:09



Tgt Ion:276 Resp: 39294  
Ion Ratio Lower Upper  
276 100  
138 57.9 21.0 31.4#  
277 41.3 20.6 31.0#

