

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
 Data File : BN032376.D  
 Acq On : 01 Jul 2024 23:45  
 Operator : MA/JU  
 Sample : P2934-08DL 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CP4DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 00:29:55 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   | 7.608  | 152  | 8191     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.382 | 136  | 24154    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.253 | 164  | 12847    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.008 | 188  | 23291    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.209 | 240  | 18811    | 0.400 | ng/ul  | #-0.02   |
| 23) Perylene-d12            | 23.427 | 264  | 21598m   | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.148  | 96   | 6908     | 0.759 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.982 | 152  | 1733     | 0.048 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.045 | 212  | 3213     | 0.057 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.431 | 128  | 7947     | 0.124 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.059 | 142  | 2561     | 0.060 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.279 | 142  | 2288     | 0.052 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.976 | 152  | 12064    | 0.226 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.318 | 153  | 11884    | 0.287 | ng/ul  | 98       |
| 12) Fluorene                | 15.313 | 166  | 13189    | 0.267 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.050 | 178  | 298179   | 4.670 | ng/ul  | 99       |
| 16) Anthracene              | 17.143 | 178  | 50904    | 0.894 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.073 | 202  | 642139   | 8.965 | ng/ul  | 98       |
| 20) Pyrene                  | 19.440 | 202  | 440619   | 5.886 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.194 | 228  | 256643   | 3.780 | ng/ul  | 98       |
| 22) Chrysene                | 21.247 | 228  | 298986   | 4.012 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.763 | 252  | 421730m  | 4.494 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.801 | 252  | 155172m  | 1.702 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.328 | 252  | 153479   | 2.351 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.660 | 276  | 154311   | 1.510 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.660 | 278  | 49663    | 0.654 | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 26.347 | 276  | 22949    | 0.282 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

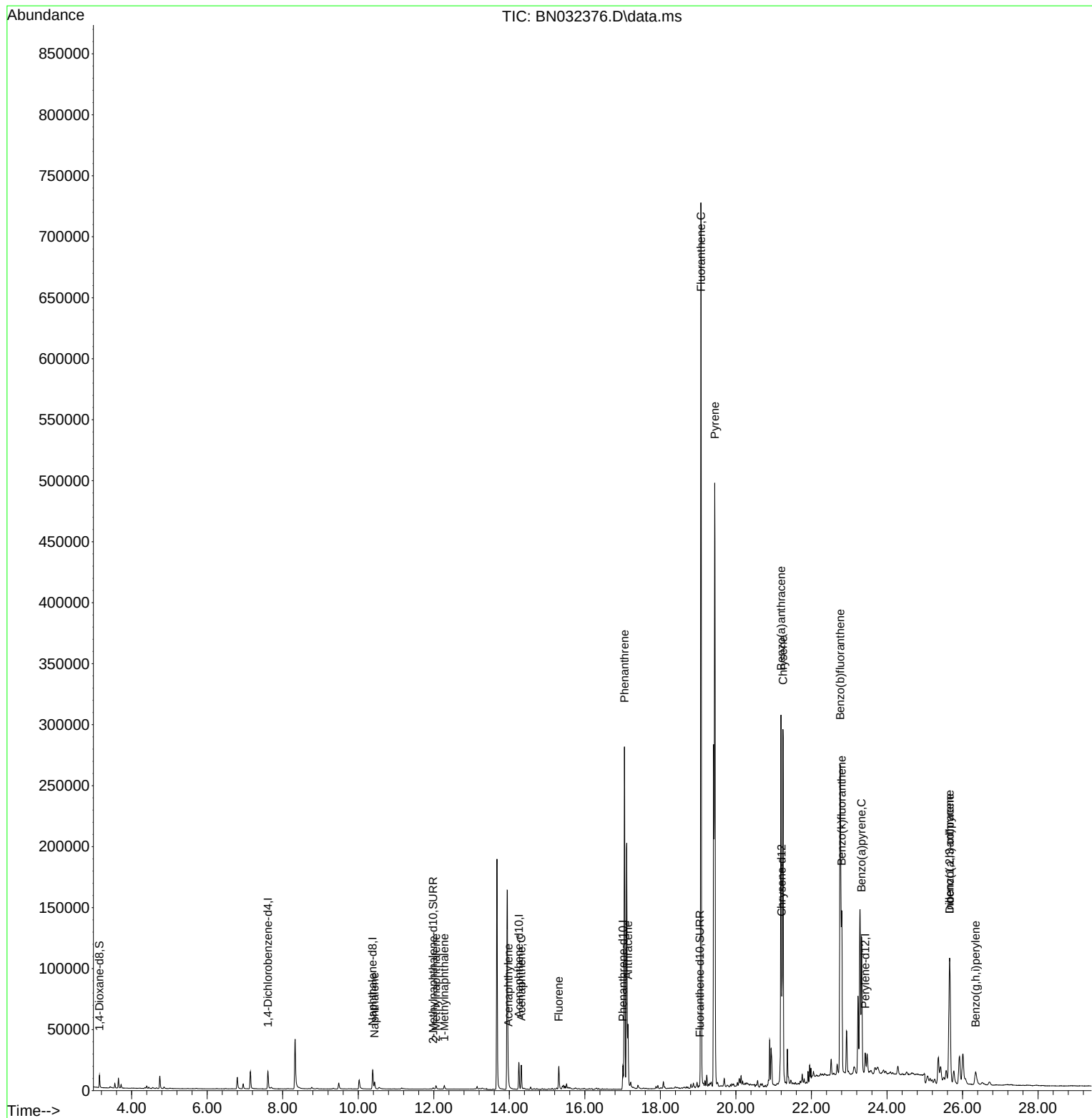
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
Data File : BN032376.D  
Acq On : 01 Jul 2024 23:45  
Operator : MA/JU  
Sample : P2934-08DL 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

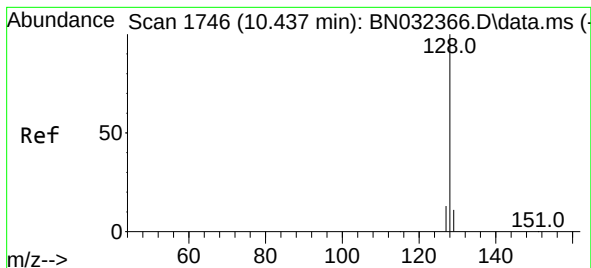
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL

Quant Time: Jul 02 00:29:55 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  
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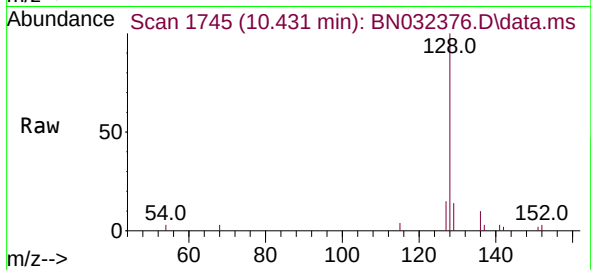
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024





#5  
Naphthalene  
Concen: 0.124 ng/ul  
RT: 10.431 min Scan# 1745  
Delta R.T. -0.017 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

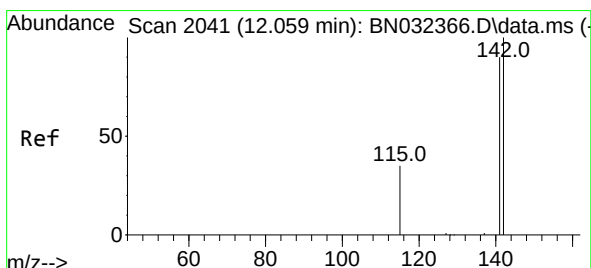
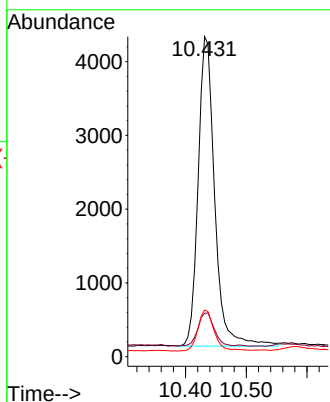
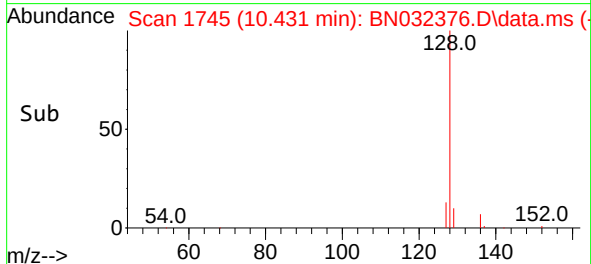
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



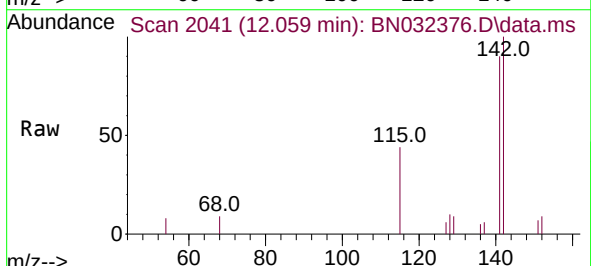
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Ion Ratio Lower Upper  
128 100  
129 13.6 9.2 13.8  
127 14.6 10.8 16.2

Manual Integrations  
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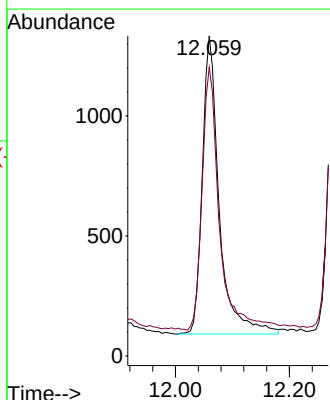
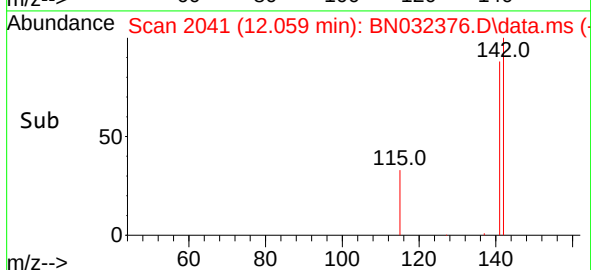
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

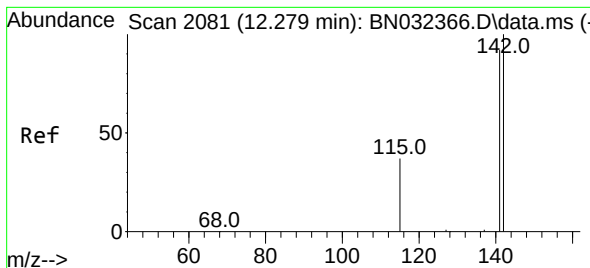


#7  
2-Methylnaphthalene  
Concen: 0.060 ng/ul  
RT: 12.059 min Scan# 2041  
Delta R.T. -0.017 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45



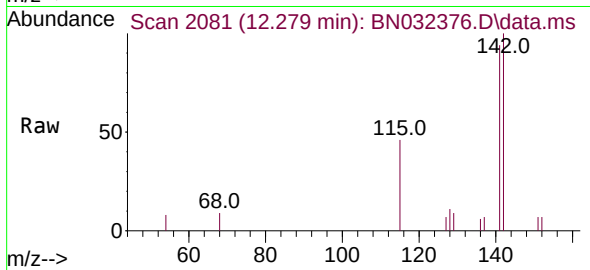
Tgt Ion:142 Resp: 2561  
Ion Ratio Lower Upper  
142 100  
141 90.4 72.2 108.2





#8  
1-Methylnaphthalene  
Concen: 0.052 ng/ul  
RT: 12.279 min Scan# 2081  
Delta R.T. -0.016 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

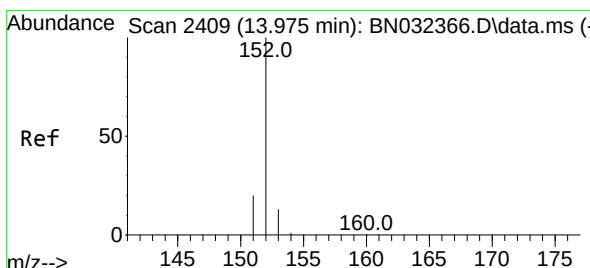
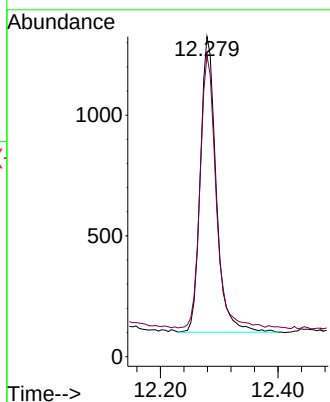
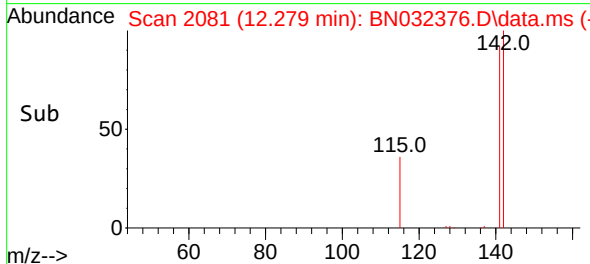
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



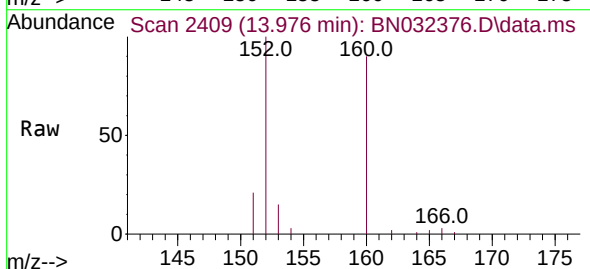
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Ion Ratio Lower Upper  
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141 92.6 73.4 110.0

Manual Integrations  
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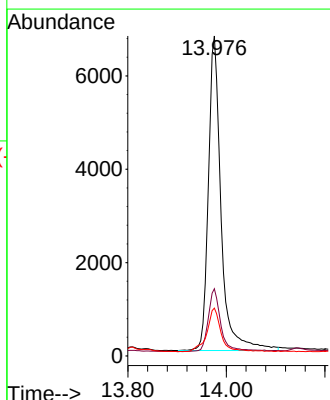
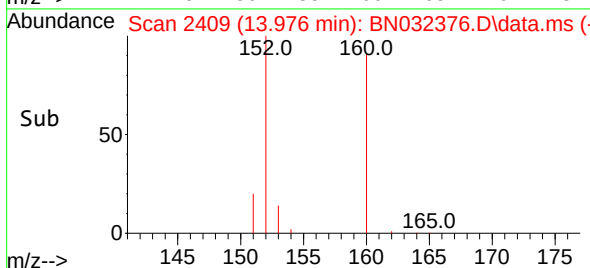
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

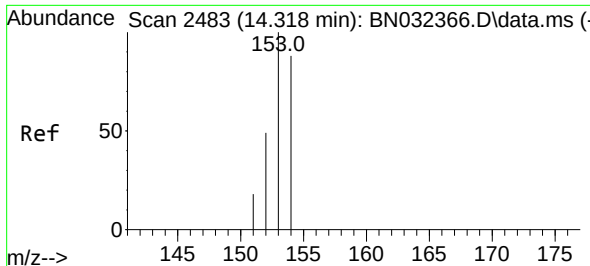


#10  
Acenaphthylene  
Concen: 0.226 ng/ul  
RT: 13.976 min Scan# 2409  
Delta R.T. -0.014 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45



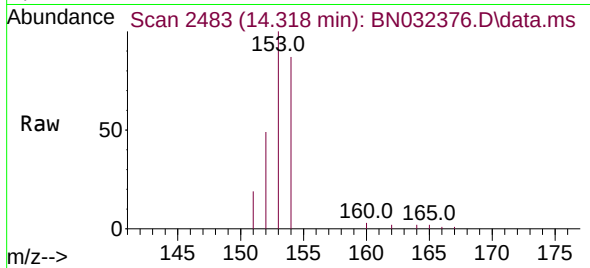
Tgt Ion:152 Resp: 12064  
Ion Ratio Lower Upper  
152 100  
151 21.0 15.7 23.5  
153 15.0 10.9 16.3





#11  
Acenaphthene  
Concen: 0.287 ng/ul  
RT: 14.318 min Scan# 2483  
Delta R.T. -0.014 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

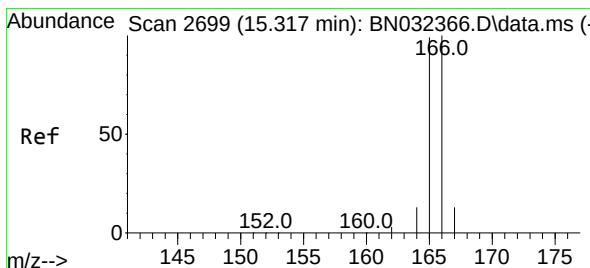
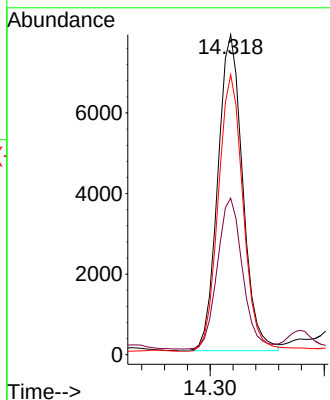
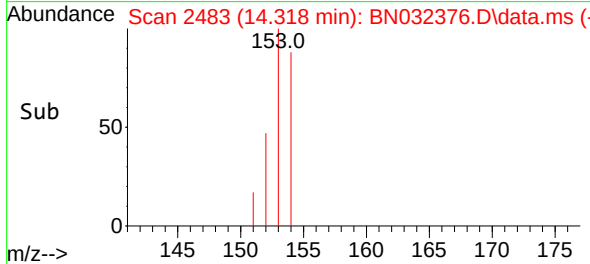
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



Tgt Ion:153 Resp: 11884  
Ion Ratio Lower Upper  
153 100  
152 48.9 39.5 59.3  
154 87.5 71.7 107.5

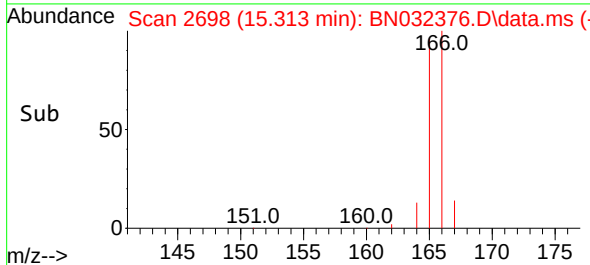
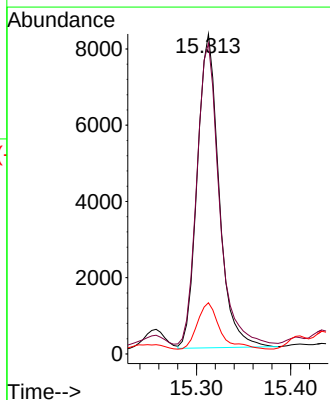
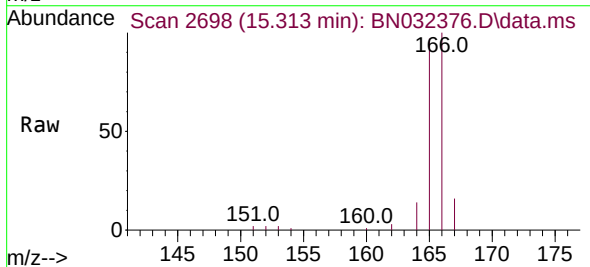
Manual Integrations  
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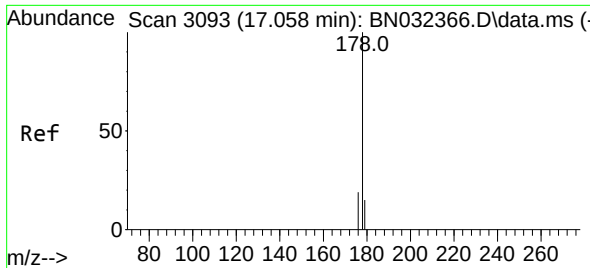
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#12  
Fluorene  
Concen: 0.267 ng/ul  
RT: 15.313 min Scan# 2698  
Delta R.T. -0.014 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

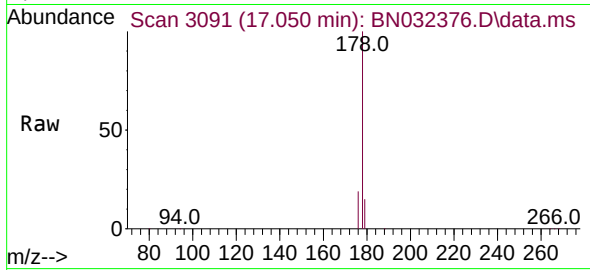
Tgt Ion:166 Resp: 13189  
Ion Ratio Lower Upper  
166 100  
165 97.1 79.0 118.6  
167 16.0 11.0 16.6





#15  
Phenanthrene  
Concen: 4.670 ng/ul  
RT: 17.050 min Scan# 3093  
Delta R.T. -0.017 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

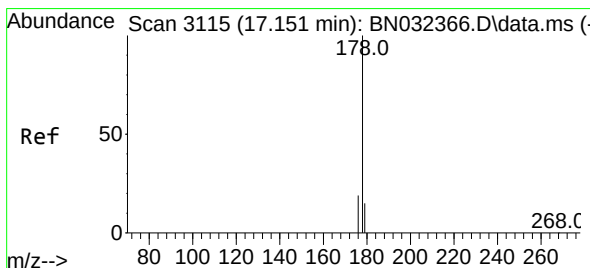
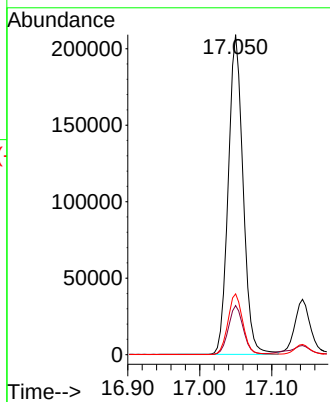
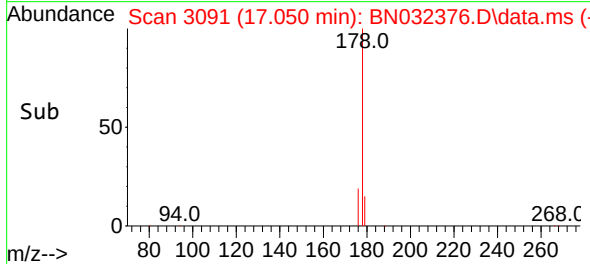
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



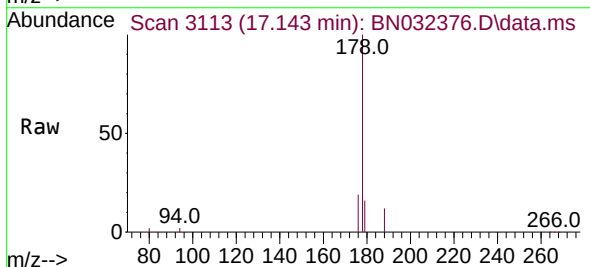
Tgt Ion:178 Resp: 298179  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 18.8  
176 19.0 15.6 23.4

Manual Integrations  
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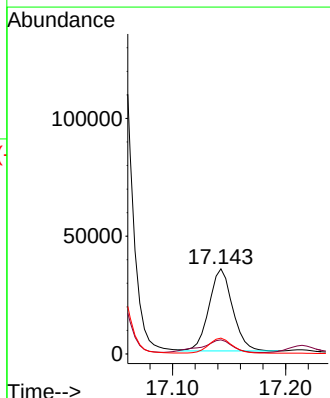
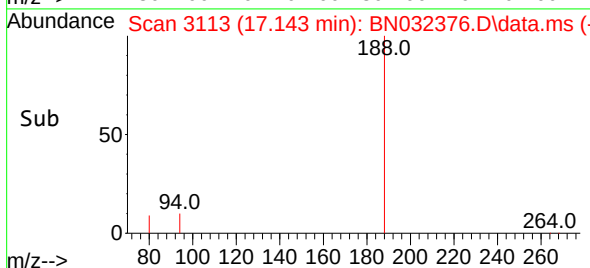
Reviewed By :Jagrut Upadhyay 07/02/2024  
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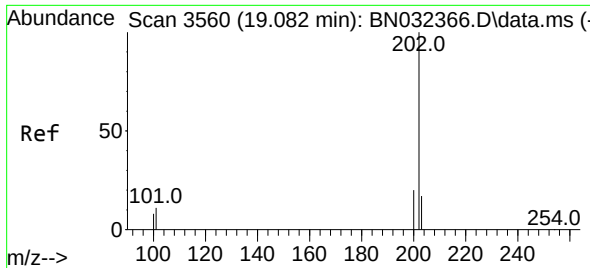


#16  
Anthracene  
Concen: 0.894 ng/ul  
RT: 17.143 min Scan# 3113  
Delta R.T. -0.017 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45



Tgt Ion:178 Resp: 50904  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.5 18.7  
176 18.6 15.0 22.6





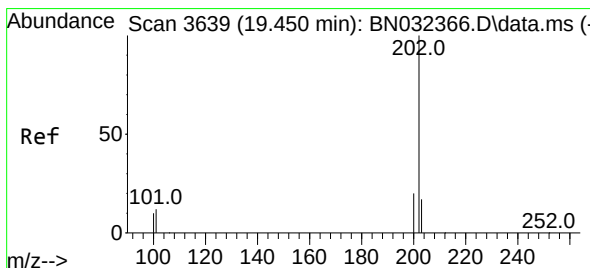
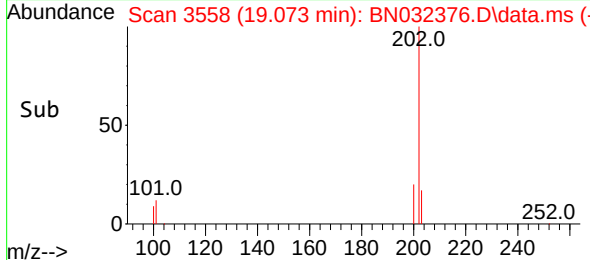
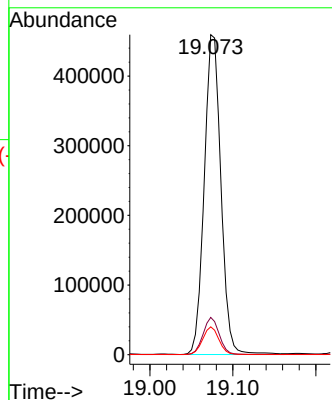
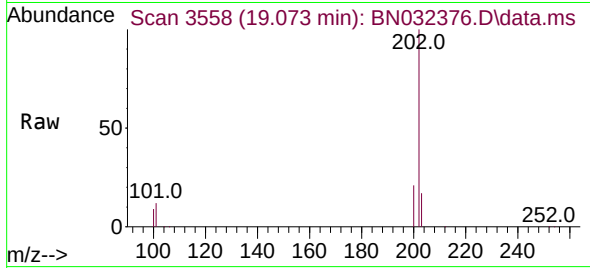
#19  
Fluoranthene  
Concen: 8.965 ng/ul  
RT: 19.073 min Scan# 3558  
Delta R.T. -0.019 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL

Tgt Ion:202 Resp: 642139  
Ion Ratio Lower Upper  
202 100  
101 11.6 8.8 13.2  
100 8.7 6.4 9.6

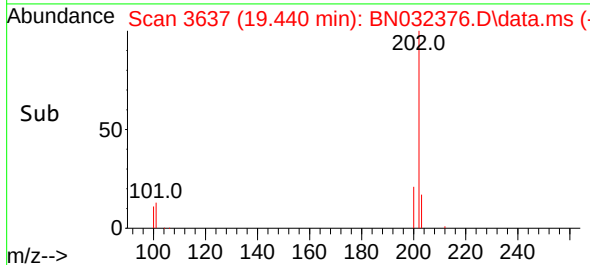
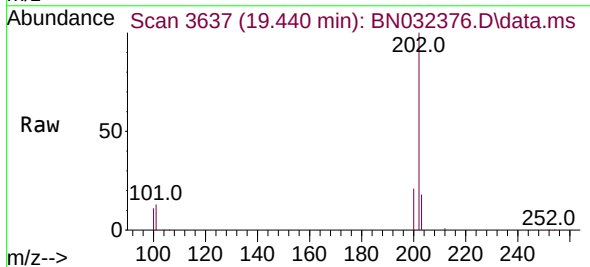
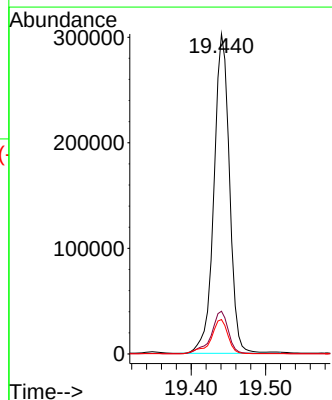
Manual Integrations  
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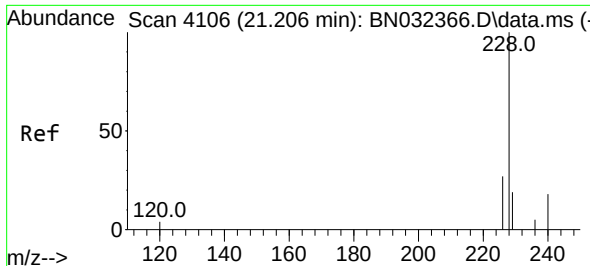
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#20  
Pyrene  
Concen: 5.886 ng/ul  
RT: 19.440 min Scan# 3637  
Delta R.T. -0.014 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

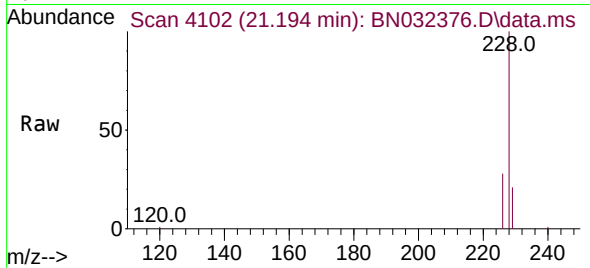
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Ion Ratio Lower Upper  
202 100  
101 13.4 11.0 16.4  
100 10.8 8.7 13.1





#21  
Benzo(a)anthracene  
Concen: 3.780 ng/ul  
RT: 21.194 min Scan# 4106  
Delta R.T. -0.020 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

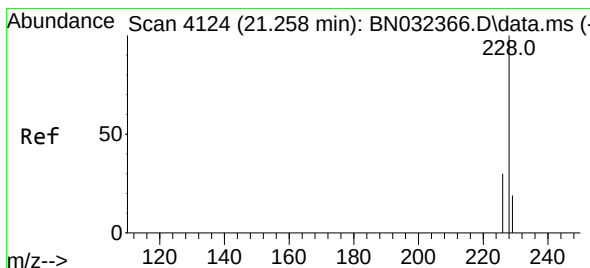
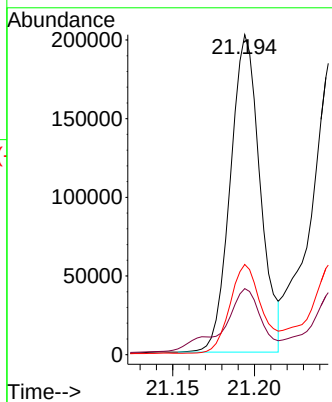
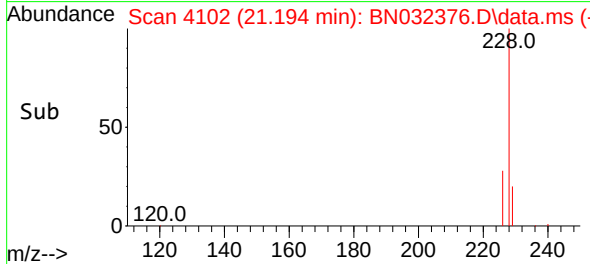
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



Tgt Ion:228 Resp: 25664  
Ion Ratio Lower Upper  
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226 28.2 21.8 32.8

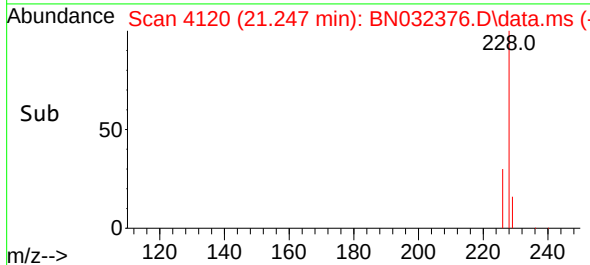
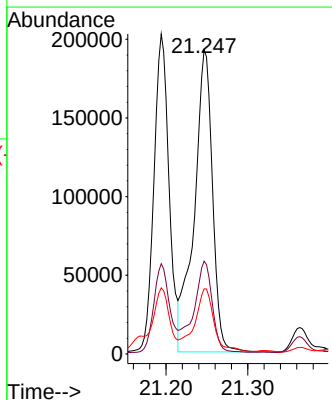
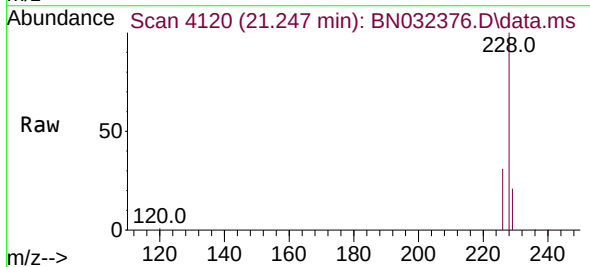
Manual Integrations  
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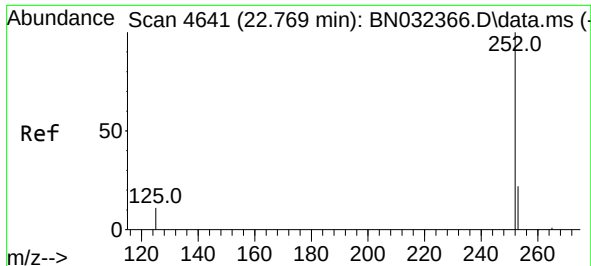


#22  
Chrysene  
Concen: 4.012 ng/ul  
RT: 21.247 min Scan# 4120  
Delta R.T. -0.020 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

Tgt Ion:228 Resp: 298986  
Ion Ratio Lower Upper  
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229 21.4 15.7 23.5

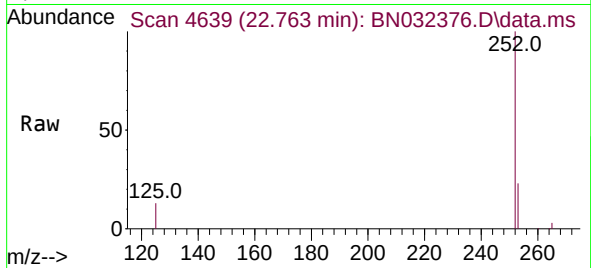






#24  
Benzo(b)fluoranthene  
Concen: 4.494 ng/ul m  
RT: 22.763 min Scan# 4639  
Delta R.T. -0.020 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

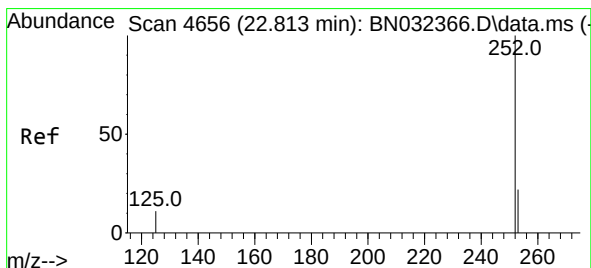
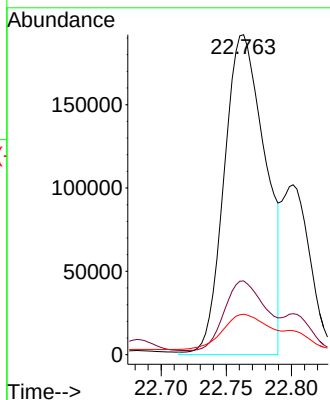
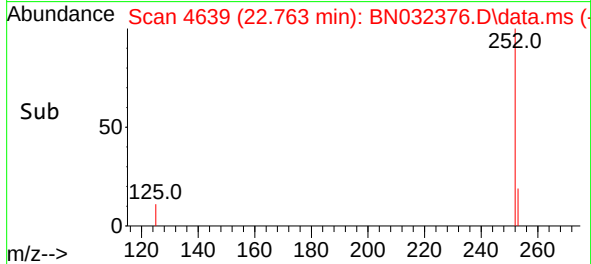
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



Tgt Ion:252 Resp: 421730  
Ion Ratio Lower Upper  
252 100  
253 23.1 0.0 50.2  
125 12.6 0.0 32.0

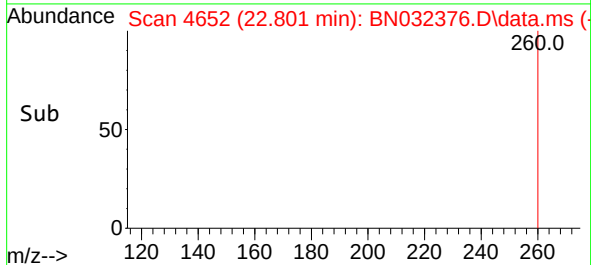
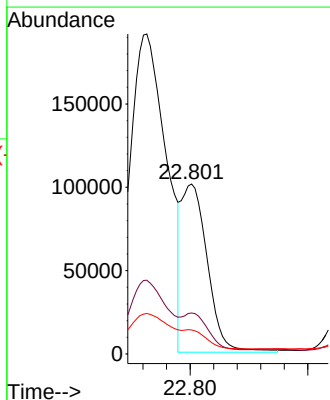
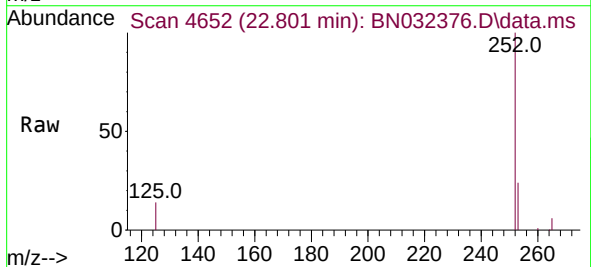
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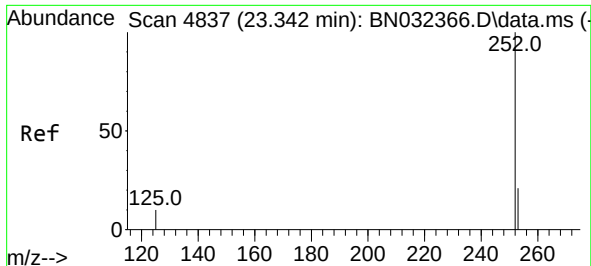
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#25  
Benzo(k)fluoranthene  
Concen: 1.702 ng/ul m  
RT: 22.801 min Scan# 4652  
Delta R.T. -0.026 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

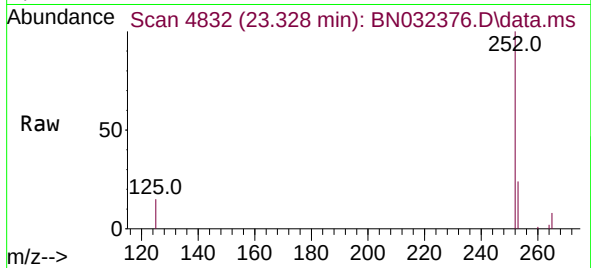
Tgt Ion:252 Resp: 155172  
Ion Ratio Lower Upper  
252 100  
253 24.1 20.3 30.5  
125 14.1 12.8 19.2





#26  
Benzo(a)pyrene  
Concen: 2.351 ng/ul  
RT: 23.328 min Scan# 4832  
Delta R.T. -0.032 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

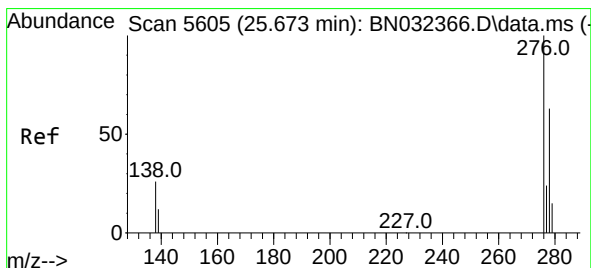
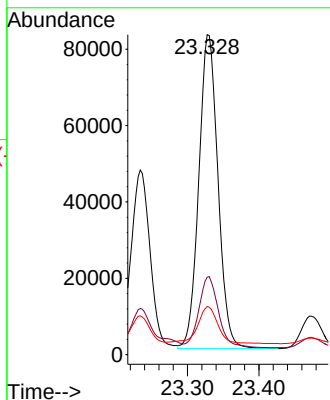
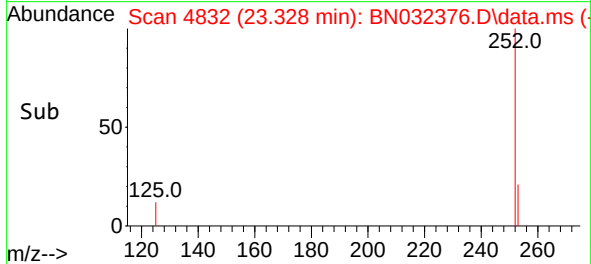
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



Tgt Ion:252 Resp: 153479  
Ion Ratio Lower Upper  
252 100  
253 24.2 22.2 33.2  
125 15.0 16.4 24.6

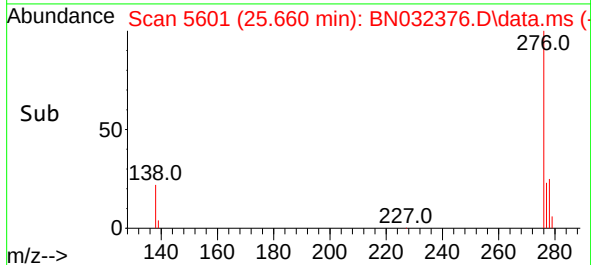
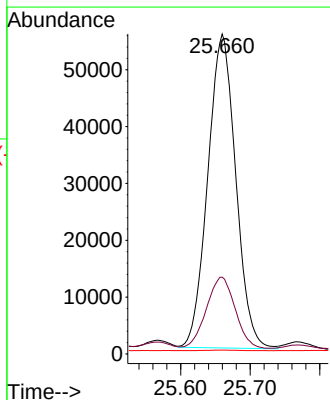
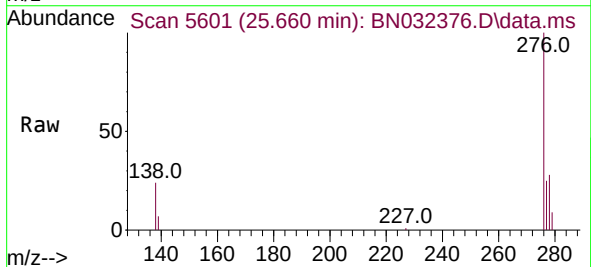
Manual Integrations  
APPROVED

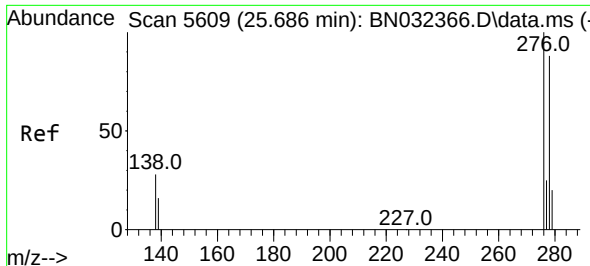
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.510 ng/ul  
RT: 25.660 min Scan# 5601  
Delta R.T. -0.040 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

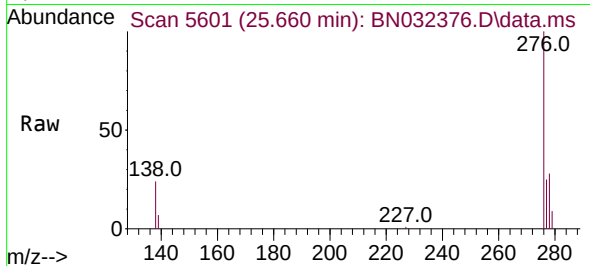
Tgt Ion:276 Resp: 154311  
Ion Ratio Lower Upper  
276 100  
138 23.3 21.3 31.9  
227 0.2 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.654 ng/ul  
RT: 25.660 min Scan# 50  
Delta R.T. -0.050 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45

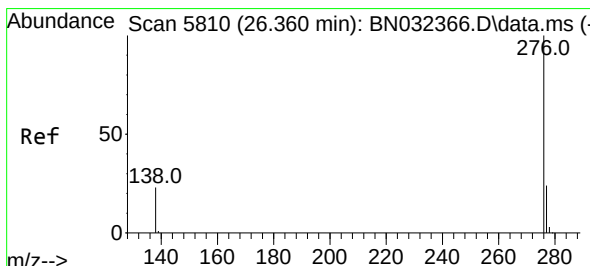
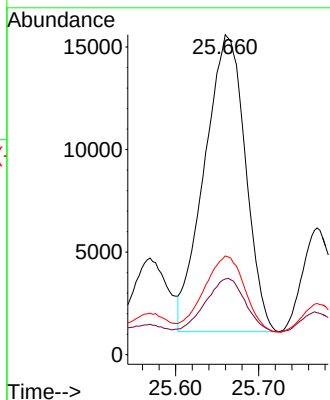
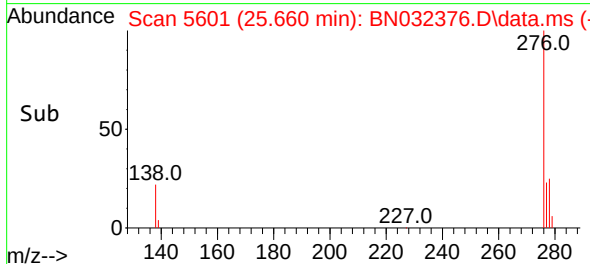
Instrument :  
BNA\_N  
ClientSampleId :  
A4CP4DL



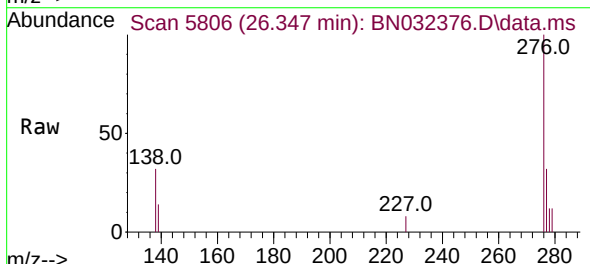
Tgt Ion:278 Resp: 4966  
Ion Ratio Lower Upper  
278 100  
139 23.7 15.9 23.9  
279 30.8 21.1 31.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.282 ng/ul  
RT: 26.347 min Scan# 5806  
Delta R.T. -0.034 min  
Lab File: BN032376.D  
Acq: 01 Jul 2024 23:45



Tgt Ion:276 Resp: 22949  
Ion Ratio Lower Upper  
276 100  
138 32.1 19.8 29.6#  
277 32.2 19.8 29.6#

