

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
 Data File : BN032370.D  
 Acq On : 01 Jul 2024 20:07  
 Operator : MA/JU  
 Sample : P2934-07MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4B72MSD

Quant Time: Jul 01 23:45:34 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

### Manual Integrations APPROVED

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

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.612  | 152  | 6797     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.386 | 136  | 19667    | 0.400  | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.256 | 164  | 10078    | 0.400  | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.010 | 188  | 18180    | 0.400  | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.213 | 240  | 15388    | 0.400  | ng/ul  | #-0.01   |
| 23) Perylene-d12            | 23.428 | 264  | 19321    | 0.400  | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.152  | 96   | 3813     | 0.505  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.981 | 152  | 8953     | 0.304  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.044 | 212  | 15961    | 0.345  | ng/ul  | -0.02    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane              | 3.186  | 88   | 8397     | 0.976  | ng/ul  | 95       |
| 5) Naphthalene              | 10.436 | 128  | 31890    | 0.613  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.058 | 142  | 15976    | 0.463  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.278 | 142  | 14532    | 0.406  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.974 | 152  | 76350    | 1.822  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.317 | 153  | 19330    | 0.594  | ng/ul  | 98       |
| 12) Fluorene                | 15.311 | 166  | 25131    | 0.648  | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.673 | 266  | 3453     | 0.839  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.053 | 178  | 409964   | 8.225  | ng/ul  | 99       |
| 16) Anthracene              | 17.146 | 178  | 117834   | 2.650  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.077 | 202  | 775044   | 13.227 | ng/ul  | 99       |
| 20) Pyrene                  | 19.439 | 202  | 590379   | 9.641  | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.196 | 228  | 403659   | 7.268  | ng/ul  | 98       |
| 22) Chrysene                | 21.248 | 228  | 389578   | 6.391  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.765 | 252  | 560938m  | 6.682  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.803 | 252  | 208849m  | 2.561  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.332 | 252  | 241186   | 4.130  | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.668 | 276  | 235576   | 2.576  | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.672 | 278  | 88925    | 1.309  | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 26.356 | 276  | 36014    | 0.494  | ng/ul# | 82       |

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

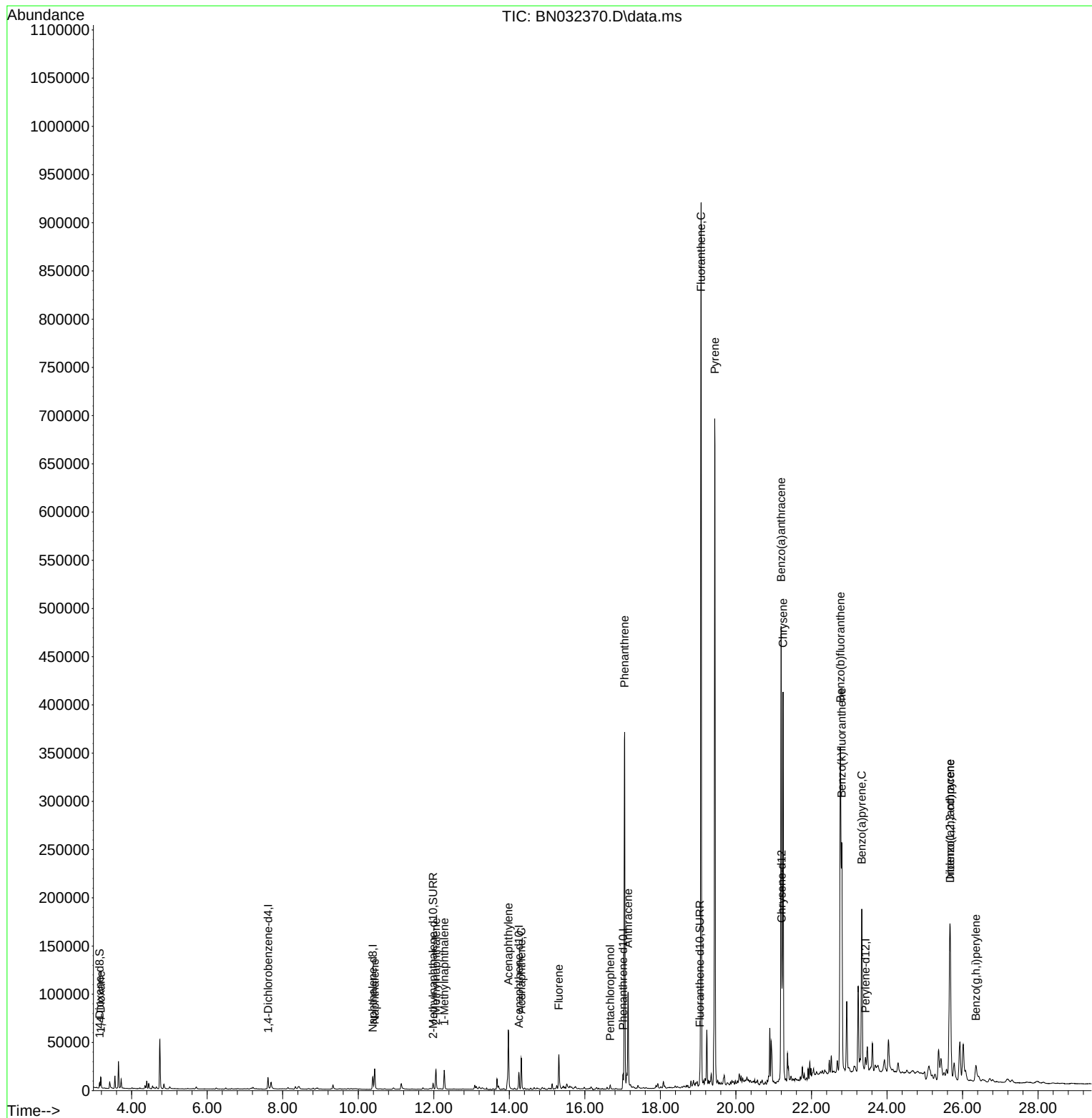
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Data File : BN032370.D  
Acq On : 01 Jul 2024 20:07  
Operator : MA/JU  
Sample : P2934-07MSD  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

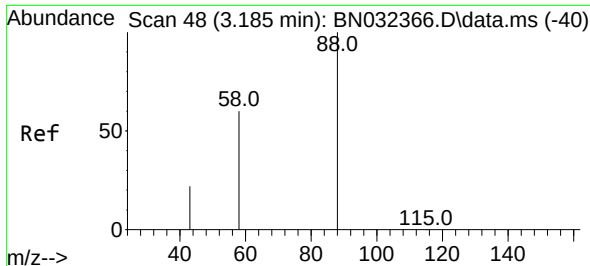
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD

Quant Time: Jul 01 23:45:34 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

Manual Integrations  
APPROVED

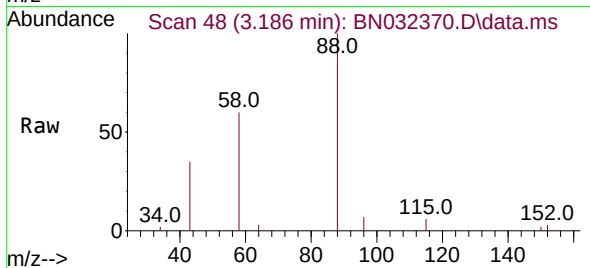
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024





#2  
1,4-Dioxane  
Concen: 0.976 ng/ul  
RT: 3.186 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

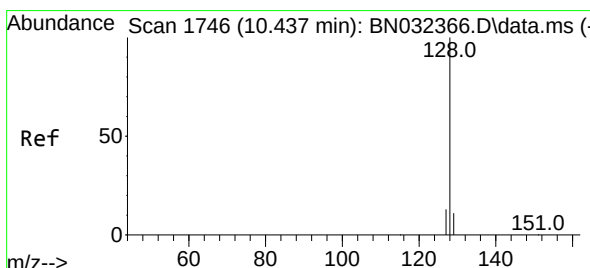
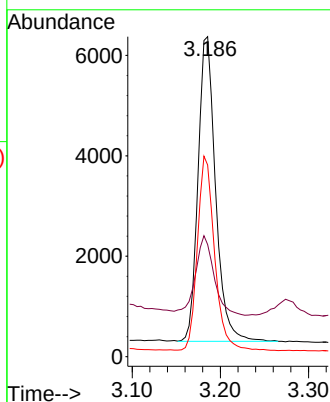
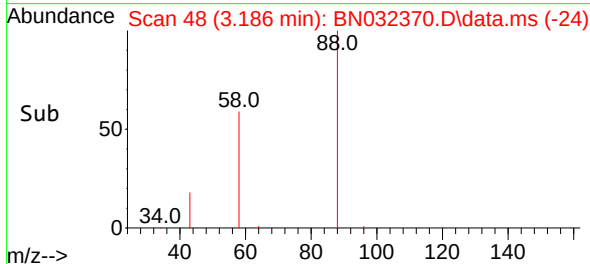
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion: 88 Resp: 839  
Ion Ratio Lower Upper  
88 100  
43 35.1 28.4 42.6  
58 59.9 43.3 64.9

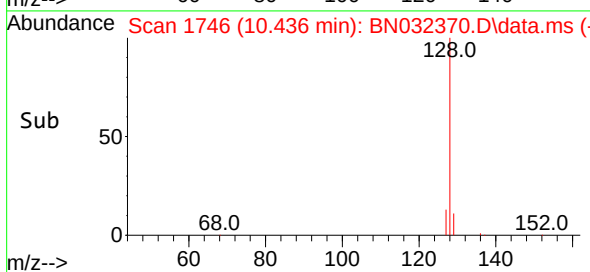
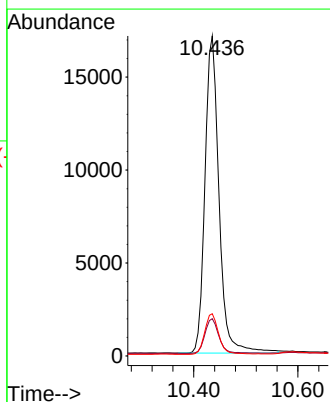
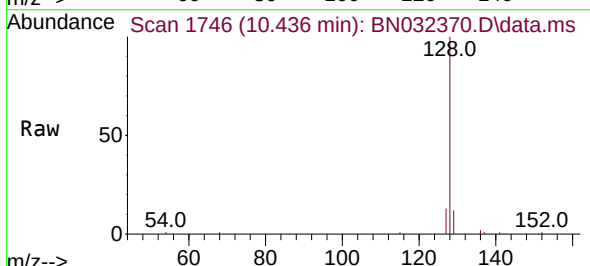
Manual Integrations  
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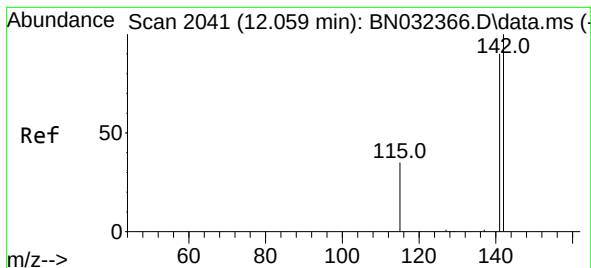
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#5  
Naphthalene  
Concen: 0.613 ng/ul  
RT: 10.436 min Scan# 1746  
Delta R.T. -0.012 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

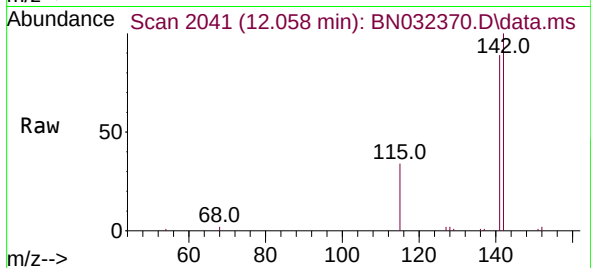
Tgt Ion:128 Resp: 31890  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.2 13.8  
127 13.2 10.8 16.2





#7  
2-Methylnaphthalene  
Concen: 0.463 ng/ul  
RT: 12.058 min Scan# 2041  
Delta R.T. -0.018 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

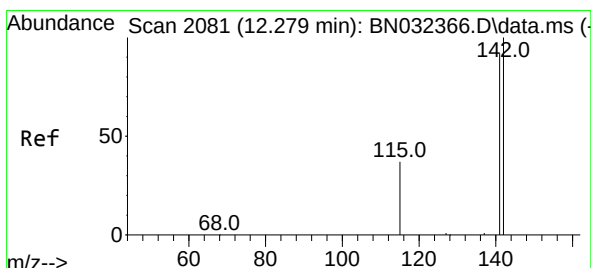
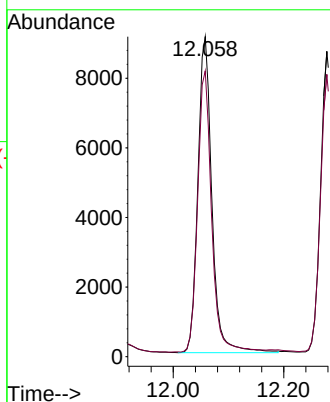
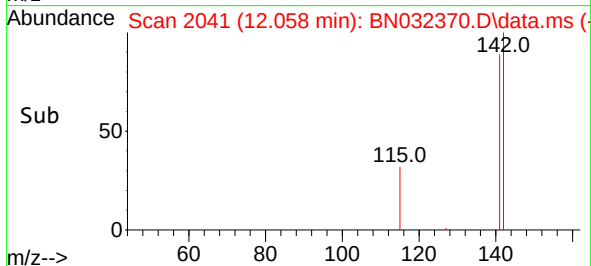
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BNA\_N  
ClientSampleId :  
A4B72MSD



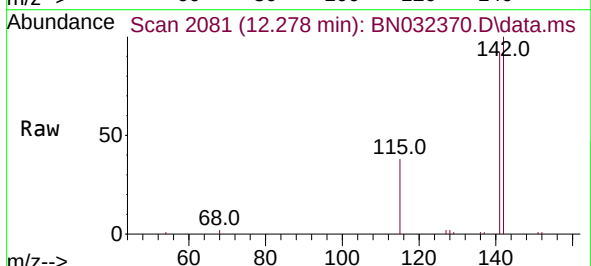
Tgt Ion:142 Resp: 15970  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.2 108.2

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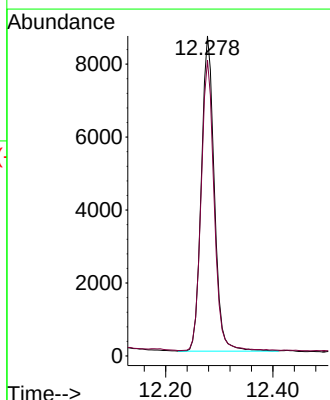
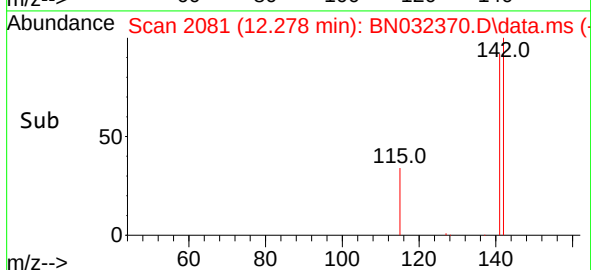
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

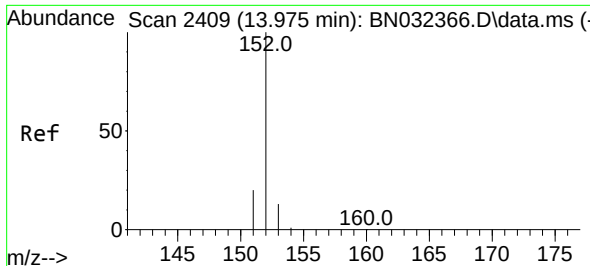


#8  
1-Methylnaphthalene  
Concen: 0.406 ng/ul  
RT: 12.278 min Scan# 2081  
Delta R.T. -0.018 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07



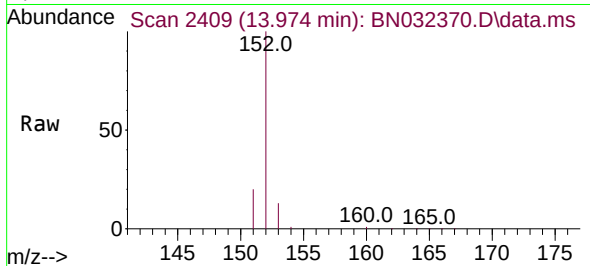
Tgt Ion:142 Resp: 14532  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.4 110.0





#10  
Acenaphthylene  
Concen: 1.822 ng/ul  
RT: 13.974 min Scan# 2409  
Delta R.T. -0.015 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

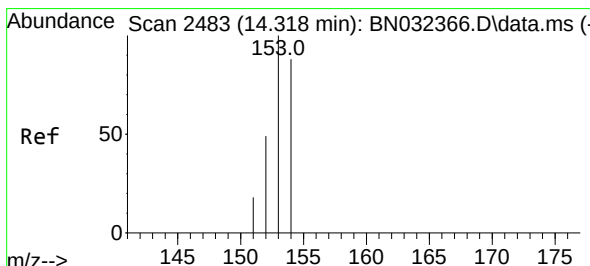
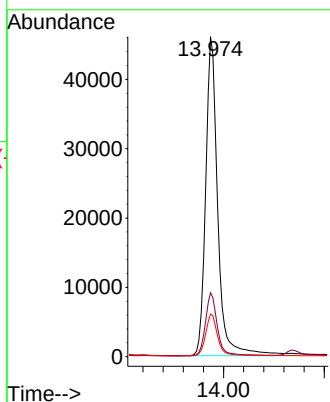
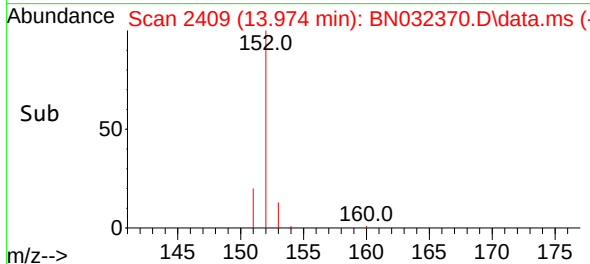
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:152 Resp: 76350  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.7 23.5  
153 13.3 10.9 16.3

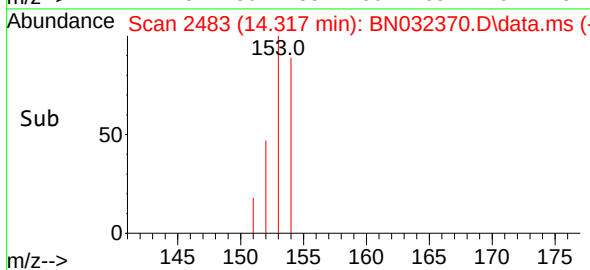
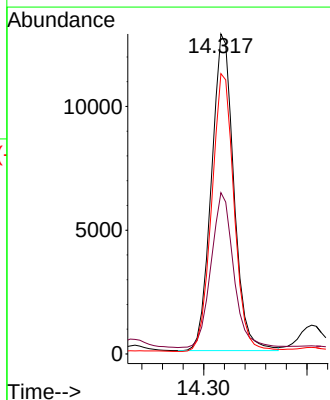
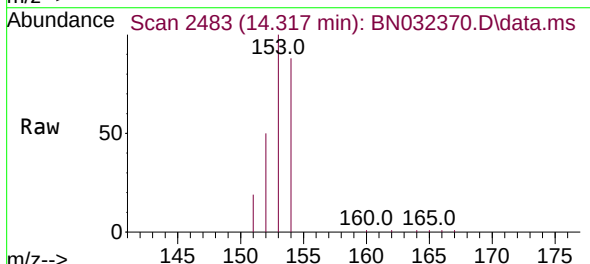
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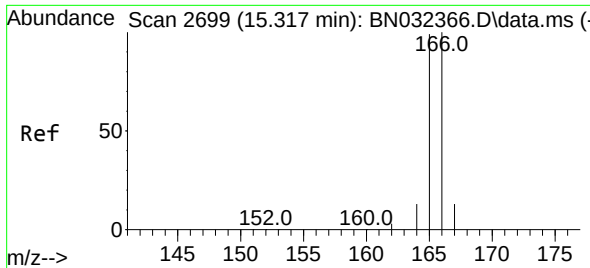
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#11  
Acenaphthene  
Concen: 0.594 ng/ul  
RT: 14.317 min Scan# 2483  
Delta R.T. -0.015 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

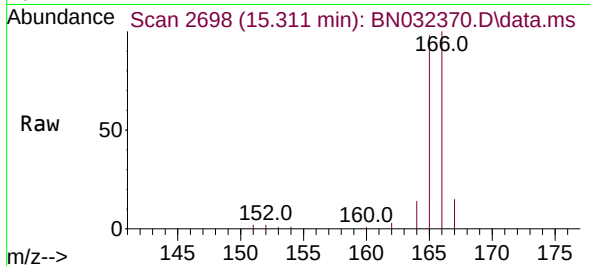
Tgt Ion:153 Resp: 19330  
Ion Ratio Lower Upper  
153 100  
152 50.4 39.5 59.3  
154 87.6 71.7 107.5





#12  
Fluorene  
Concen: 0.648 ng/ul  
RT: 15.311 min Scan# 20  
Delta R.T. -0.015 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

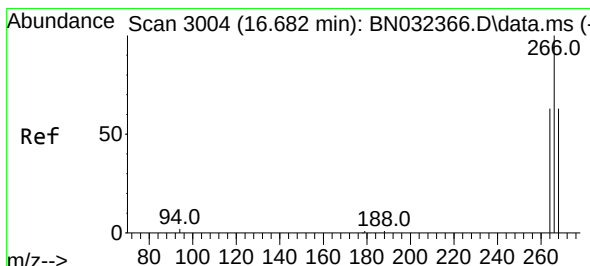
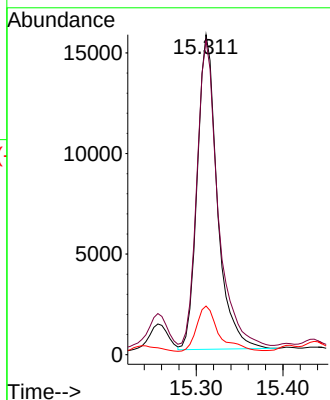
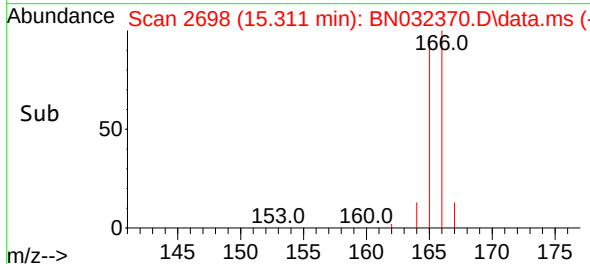
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:166 Resp: 2513  
Ion Ratio Lower Upper  
166 100  
165 98.1 79.0 118.6  
167 15.2 11.0 16.6

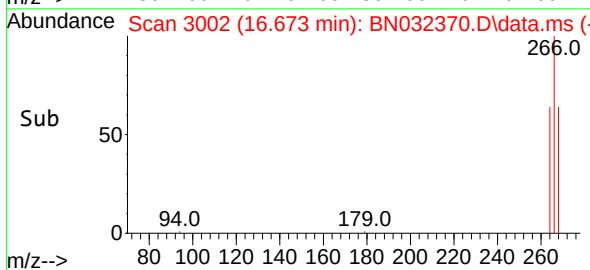
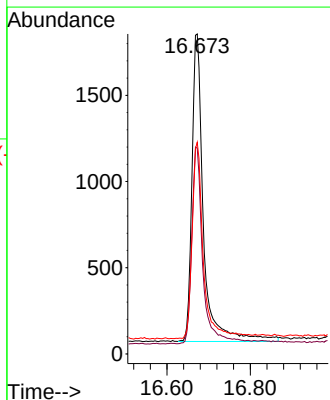
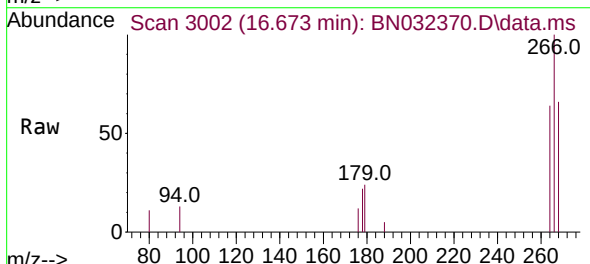
Manual Integrations  
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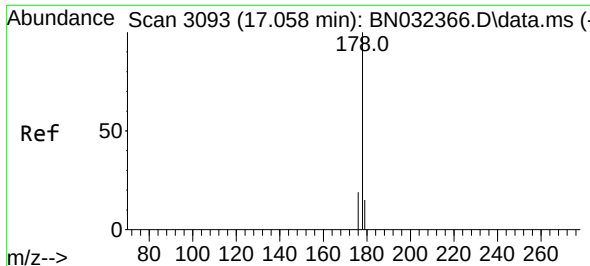
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#14  
Pentachlorophenol  
Concen: 0.839 ng/ul  
RT: 16.673 min Scan# 3002  
Delta R.T. -0.027 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

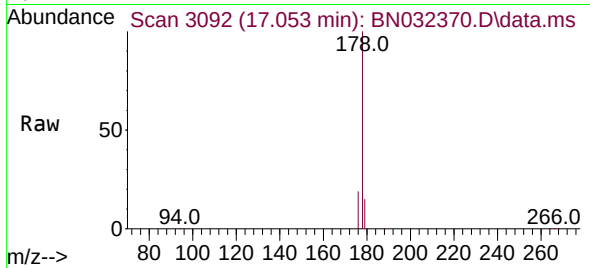
Tgt Ion:266 Resp: 3453  
Ion Ratio Lower Upper  
266 100  
264 62.6 49.9 74.9  
268 64.1 52.4 78.6





#15  
Phenanthrene  
Concen: 8.225 ng/ul  
RT: 17.053 min Scan# 3093  
Delta R.T. -0.014 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

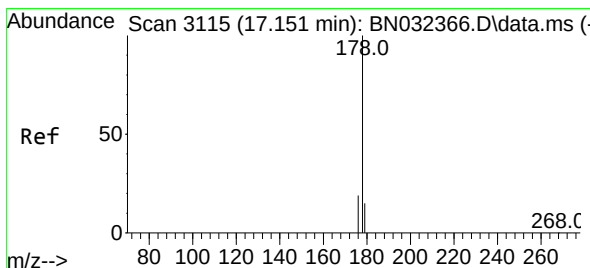
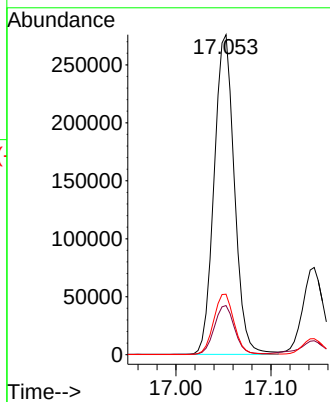
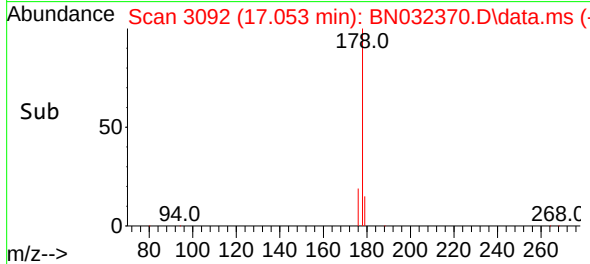
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:178 Resp: 409964  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 18.8  
176 18.9 15.6 23.4

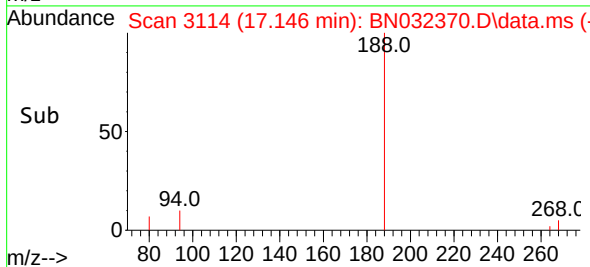
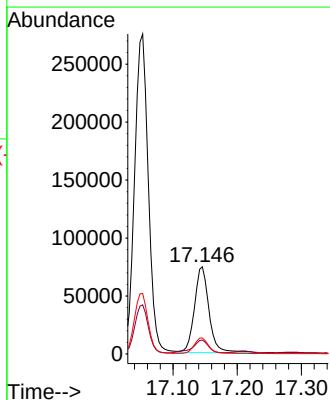
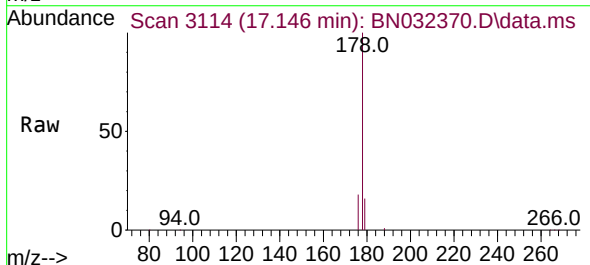
Manual Integrations  
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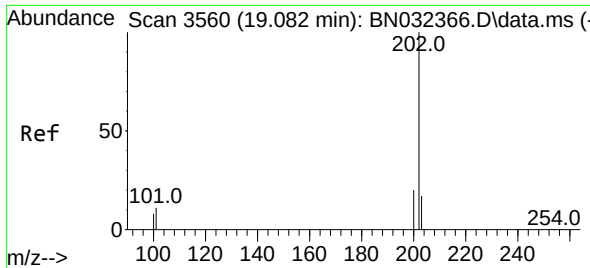
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#16  
Anthracene  
Concen: 2.650 ng/ul  
RT: 17.146 min Scan# 3114  
Delta R.T. -0.014 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

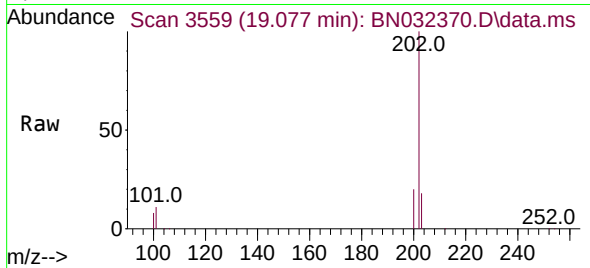
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Ion Ratio Lower Upper  
178 100  
179 16.0 12.5 18.7  
176 18.4 15.0 22.6





#19  
Fluoranthene  
Concen: 13.227 ng/ul  
RT: 19.077 min Scan# 31  
Delta R.T. -0.015 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

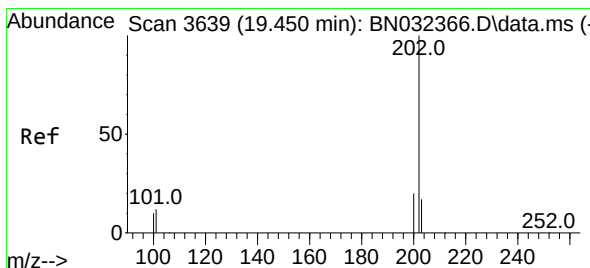
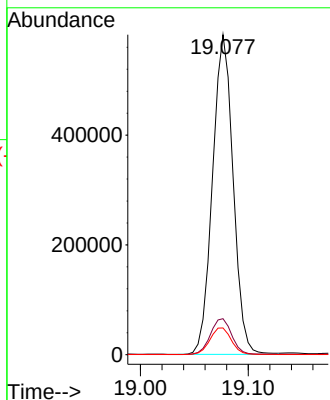
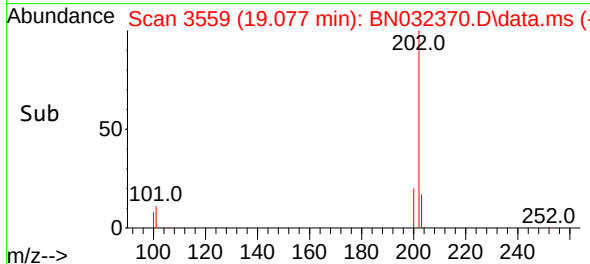
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:202 Resp: 775044  
Ion Ratio Lower Upper  
202 100  
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100 8.4 6.4 9.6

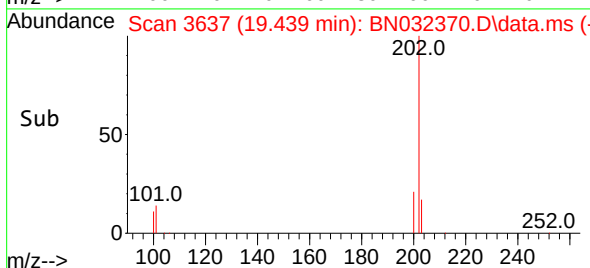
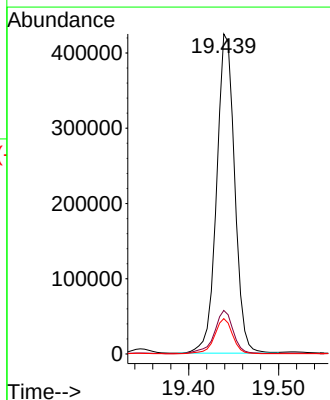
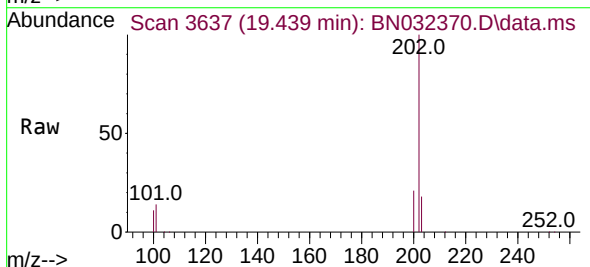
Manual Integrations  
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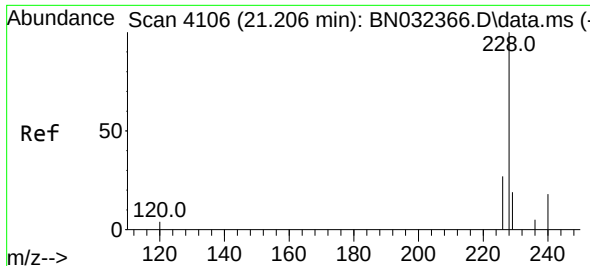


#20  
Pyrene  
Concen: 9.641 ng/ul  
RT: 19.439 min Scan# 3637  
Delta R.T. -0.015 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

Tgt Ion:202 Resp: 590379  
Ion Ratio Lower Upper  
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100 11.0 8.7 13.1

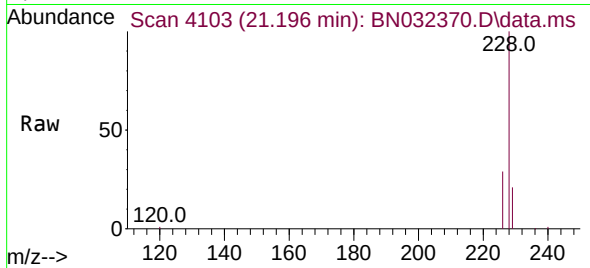






#21  
Benzo(a)anthracene  
Concen: 7.268 ng/ul  
RT: 21.196 min Scan# 4106  
Delta R.T. -0.019 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

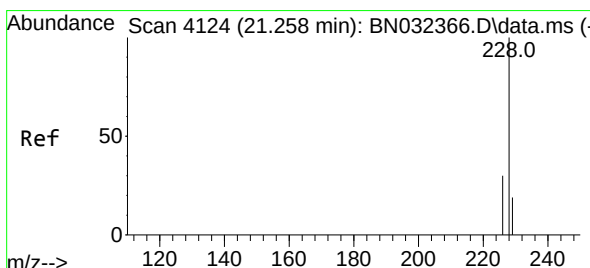
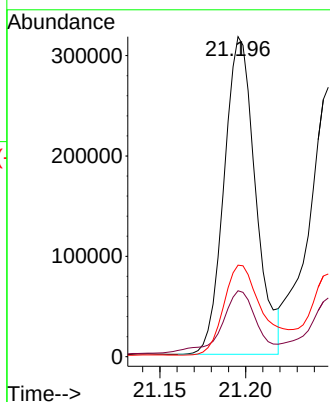
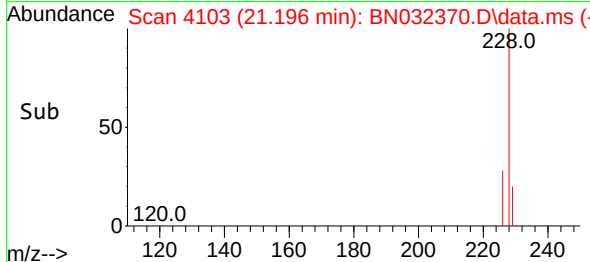
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:228 Resp: 403659  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.7 23.5  
226 28.6 21.8 32.8

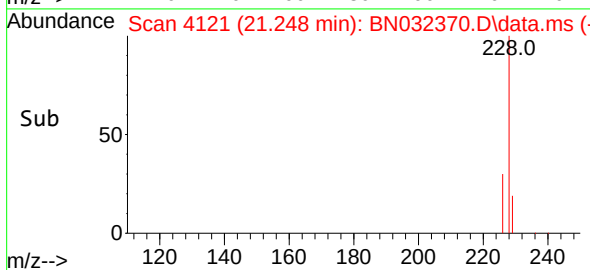
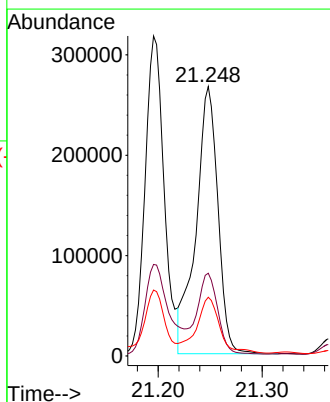
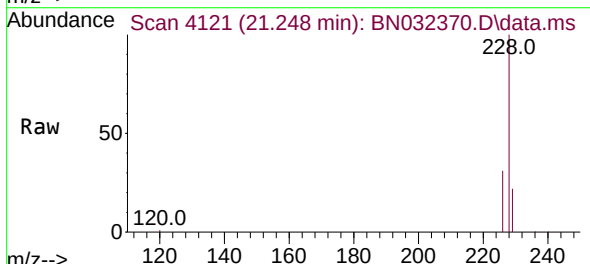
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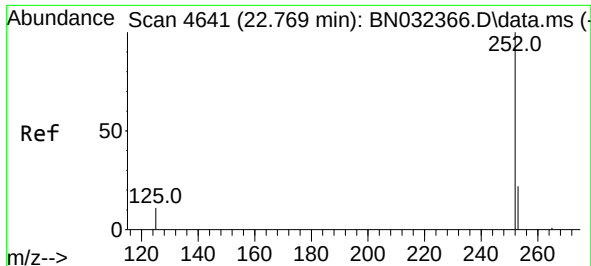
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#22  
Chrysene  
Concen: 6.391 ng/ul  
RT: 21.248 min Scan# 4121  
Delta R.T. -0.019 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

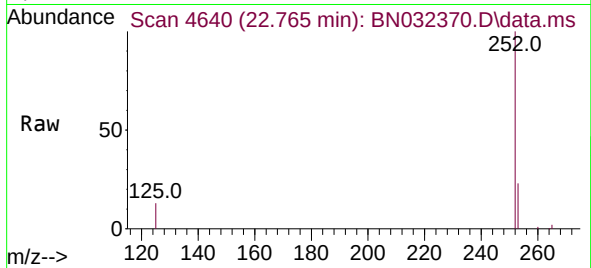
Tgt Ion:228 Resp: 389578  
Ion Ratio Lower Upper  
228 100  
226 30.7 23.6 35.4  
229 21.8 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 6.682 ng/ul m  
RT: 22.765 min Scan# 4641  
Delta R.T. -0.019 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

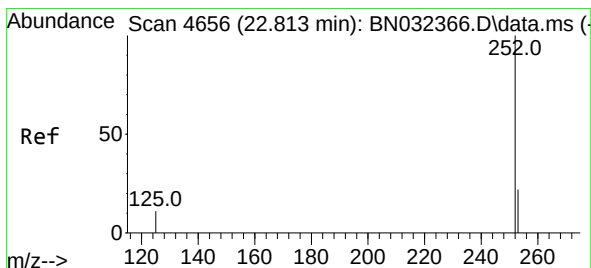
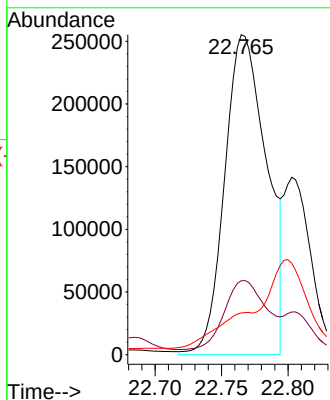
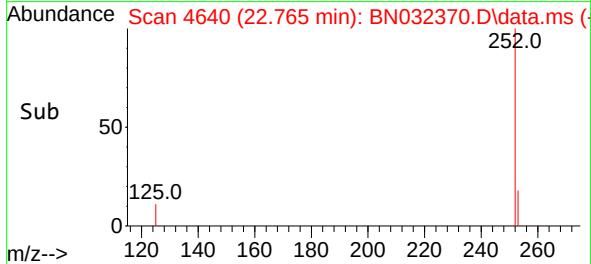
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:252 Resp: 560938  
Ion Ratio Lower Upper  
252 100  
253 23.1 0.0 50.2  
125 13.1 0.0 32.0

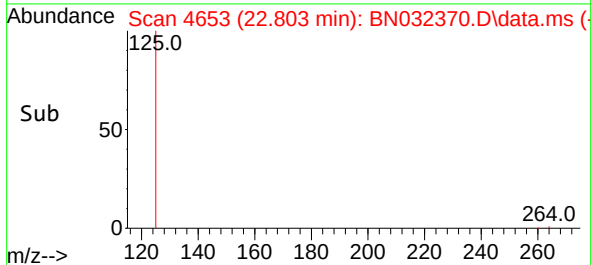
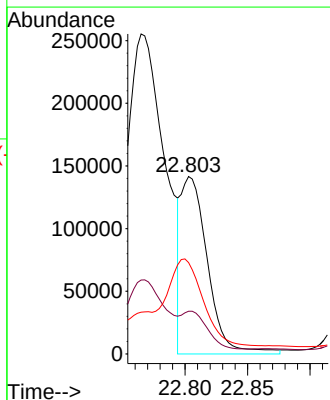
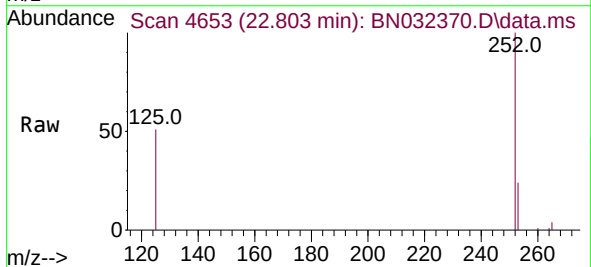
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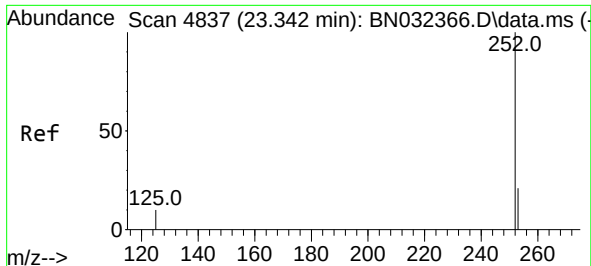
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#25  
Benzo(k)fluoranthene  
Concen: 2.561 ng/ul m  
RT: 22.803 min Scan# 4653  
Delta R.T. -0.025 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

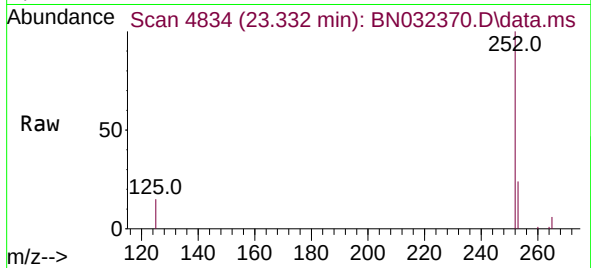
Tgt Ion:252 Resp: 208849  
Ion Ratio Lower Upper  
252 100  
253 24.1 20.3 30.5  
125 51.5 12.8 19.2#





#26  
Benzo(a)pyrene  
Concen: 4.130 ng/ul  
RT: 23.332 min Scan# 4834  
Delta R.T. -0.028 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

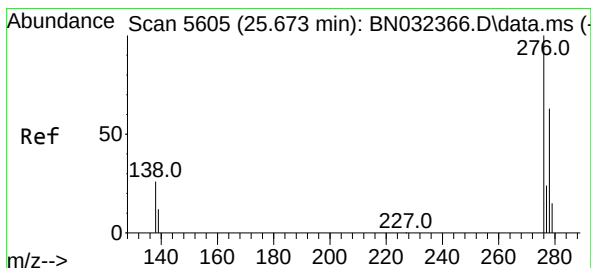
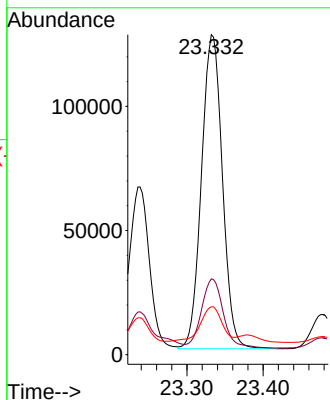
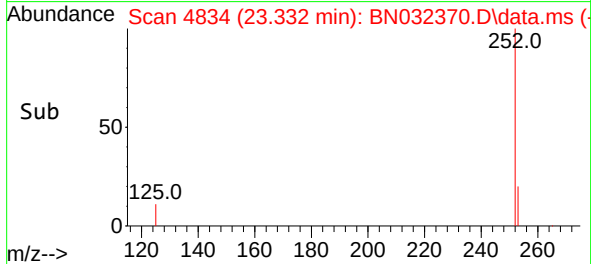
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



Tgt Ion:252 Resp: 241180  
Ion Ratio Lower Upper  
252 100  
253 23.7 22.2 33.2  
125 15.0 16.4 24.6

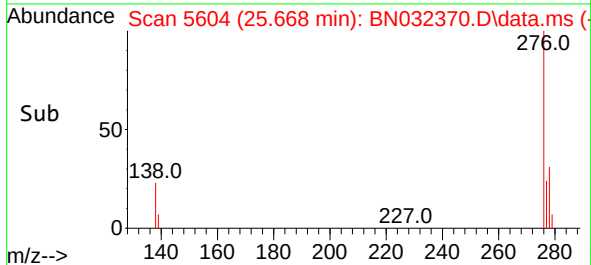
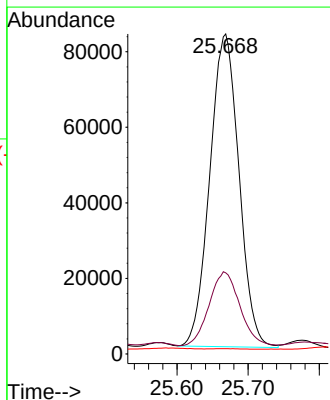
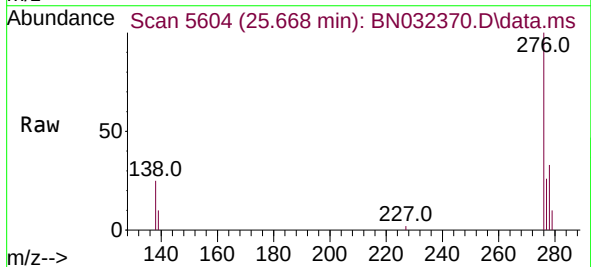
Manual Integrations  
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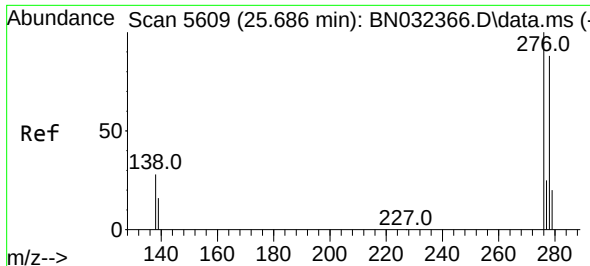
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.576 ng/ul  
RT: 25.668 min Scan# 5604  
Delta R.T. -0.032 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

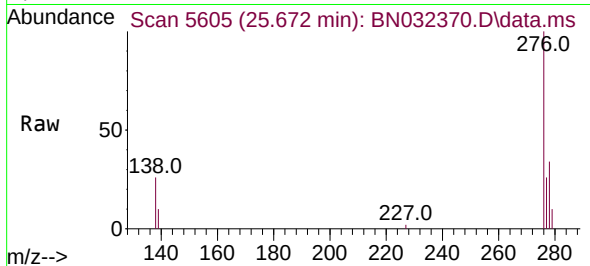
Tgt Ion:276 Resp: 235576  
Ion Ratio Lower Upper  
276 100  
138 25.7 21.3 31.9  
227 0.1 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 1.309 ng/ul  
RT: 25.672 min Scan# 5605  
Delta R.T. -0.038 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07

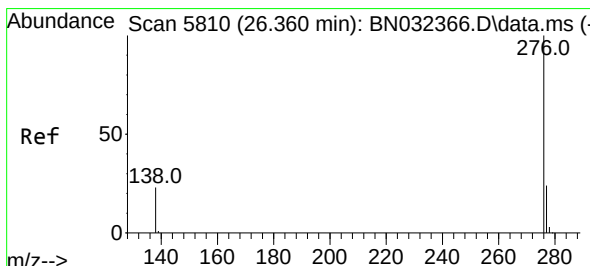
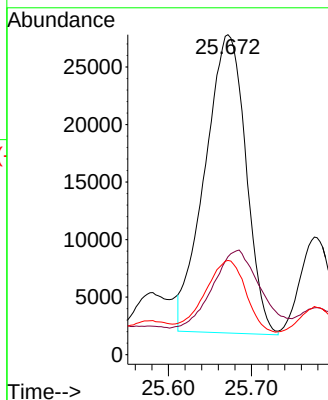
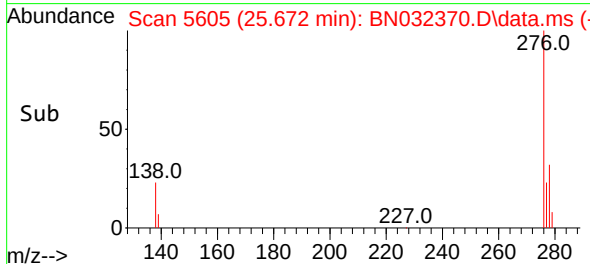
Instrument :  
BNA\_N  
ClientSampleId :  
A4B72MSD



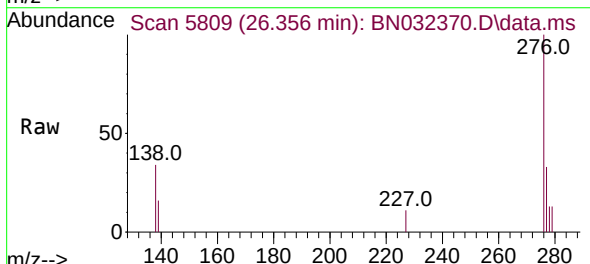
Tgt Ion:278 Resp: 88925  
Ion Ratio Lower Upper  
278 100  
139 30.6 15.9 23.9#  
279 29.4 21.1 31.7

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.494 ng/ul  
RT: 26.356 min Scan# 5809  
Delta R.T. -0.025 min  
Lab File: BN032370.D  
Acq: 01 Jul 2024 20:07



Tgt Ion:276 Resp: 36014  
Ion Ratio Lower Upper  
276 100  
138 34.2 19.8 29.6#  
277 33.0 19.8 29.6#

