

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072324\  
 Data File : BN032929.D  
 Acq On : 24 Jul 2024 02:44  
 Operator : MA/JU  
 Sample : P3215-16  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4D44

Manual Integrations  
 APPROVED

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

Quant Time: Jul 24 03:20:00 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   | 7.515  | 152  | 3767     | 0.400  | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.283 | 136  | 13125    | 0.400  | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.165 | 164  | 10502    | 0.400  | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.927 | 188  | 24677m   | 0.400  | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.168 | 240  | 12602m   | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.392 | 264  | 14545m   | 0.400  | ng/ul  | 0.03     |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.080  | 96   | 14379    | 3.179  | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.883 | 152  | 5878     | 0.296  | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.985 | 212  | 15253m   | 0.371  | ng/ul  | -0.01    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.332 | 128  | 51973    | 1.475  | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.960 | 142  | 27973    | 1.271  | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.180 | 142  | 16658    | 0.732  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.883 | 152  | 216241   | 5.097  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.230 | 153  | 43282    | 1.234  | ng/ul  | 98       |
| 12) Fluorene                | 15.225 | 166  | 55941    | 1.395  | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.606 | 266  | 3050m    | 0.704  | ng/ul  |          |
| 15) Phenanthrene            | 16.970 | 178  | 1167685m | 17.375 | ng/ul  |          |
| 16) Anthracene              | 17.062 | 178  | 375693m  | 6.842  | ng/ul  |          |
| 19) Fluoranthene            | 19.017 | 202  | 2732391m | 53.328 | ng/ul  |          |
| 20) Pyrene                  | 19.385 | 202  | 1396289m | 26.328 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.150 | 228  | 894425m  | 22.297 | ng/ul  |          |
| 22) Chrysene                | 21.203 | 228  | 1109100m | 19.113 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.728 | 252  | 1187216m | 23.134 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.746 | 252  | 966287m  | 15.450 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.295 | 252  | 403196m  | 9.079  | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.626 | 276  | 604278m  | 10.048 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.616 | 278  | 207977m  | 4.462  | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.310 | 276  | 76900m   | 1.530  | ng/ul  |          |
| -----                       |        |      |          |        |        |          |

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

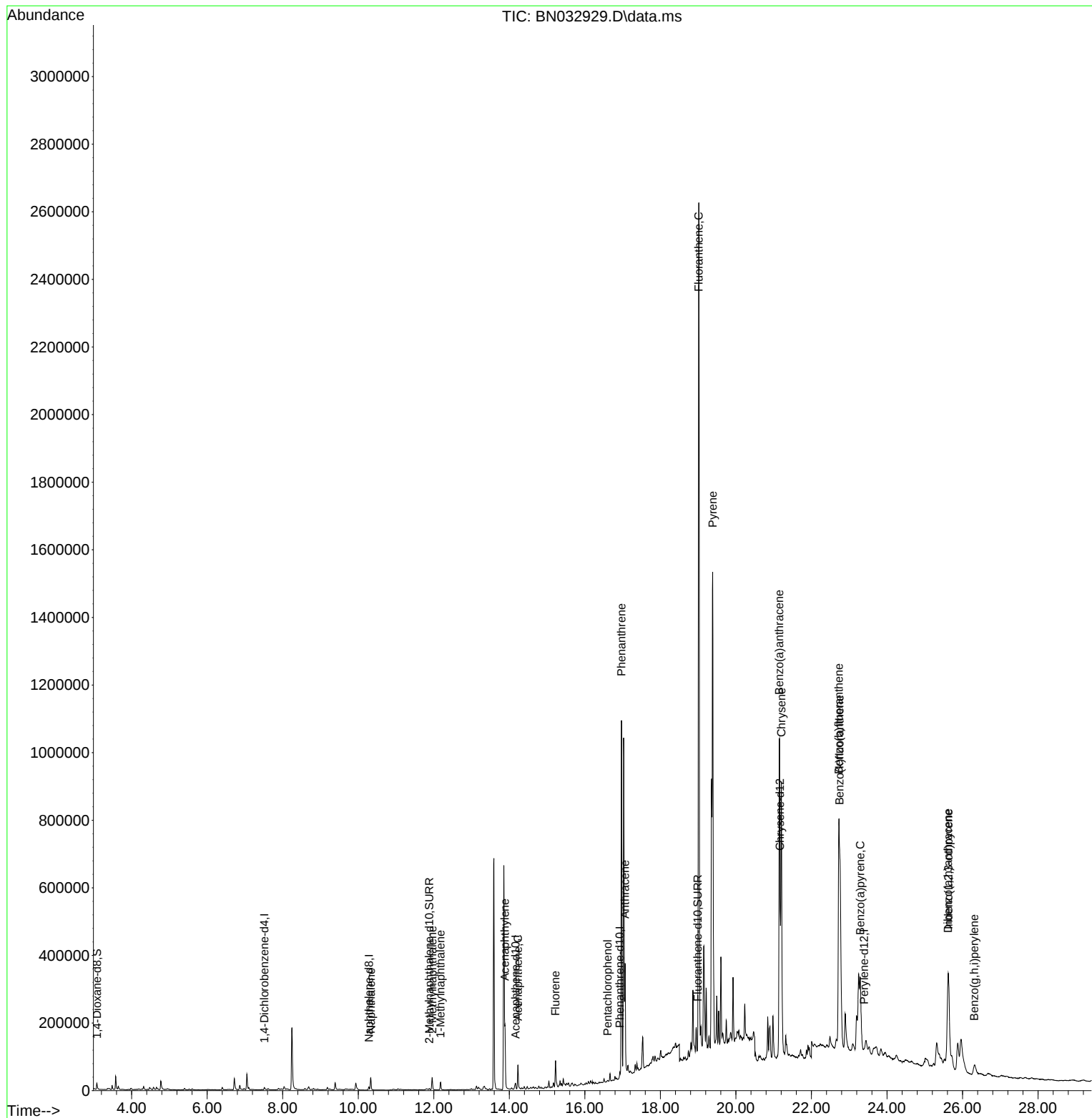
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072324\  
Data File : BN032929.D  
Acq On : 24 Jul 2024 02:44  
Operator : MA/JU  
Sample : P3215-16  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

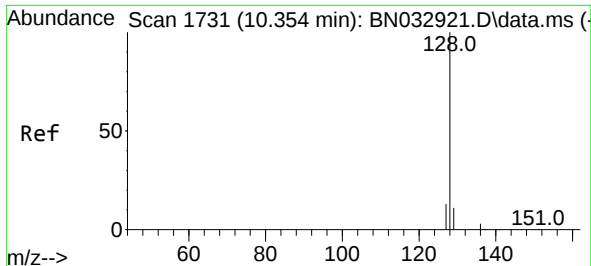
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44

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Supervised By :mohammad ahmed 07/26/2024

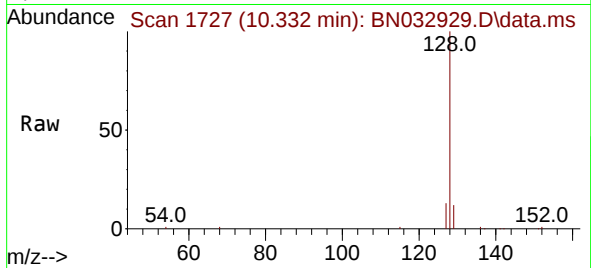
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN071224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 20 01:52:15 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 1.475 ng/ul  
RT: 10.332 min Scan# 1727  
Delta R.T. -0.031 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

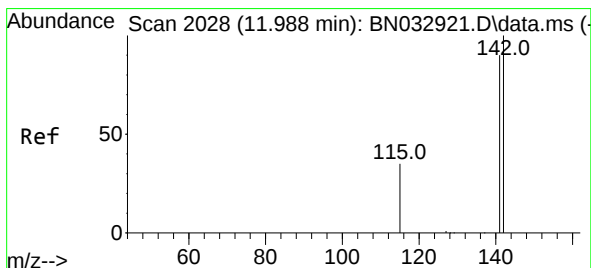
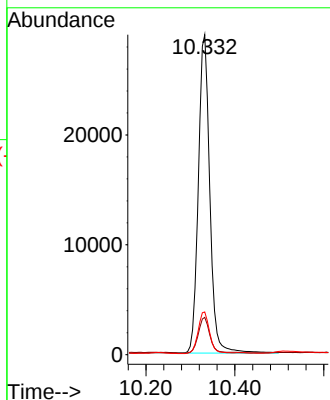
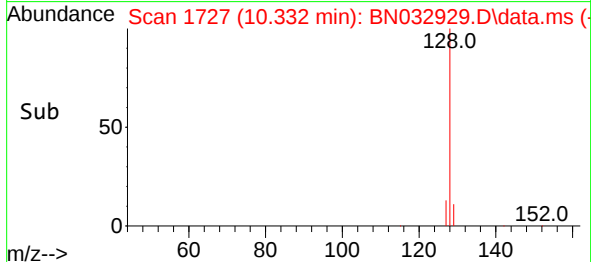
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



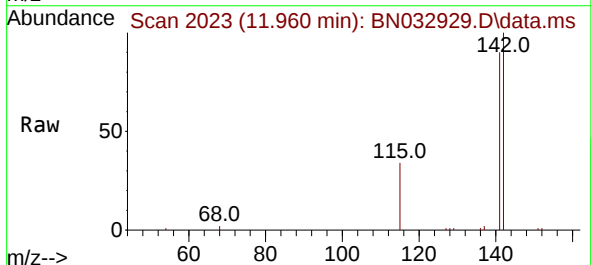
Tgt Ion:128 Resp: 51973  
Ion Ratio Lower Upper  
128 100  
129 11.7 10.0 15.0  
127 13.3 11.6 17.4

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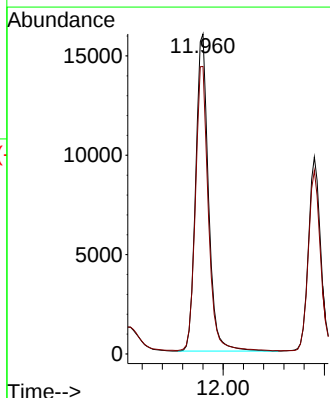
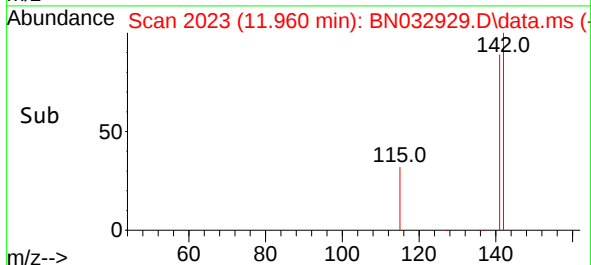
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024

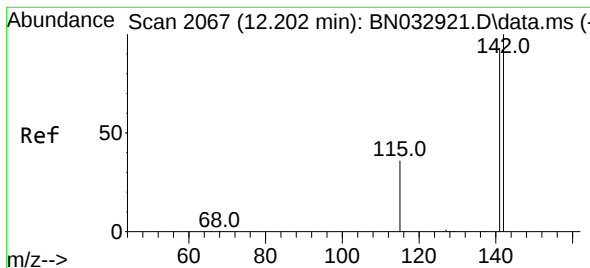


#7  
2-Methylnaphthalene  
Concen: 1.271 ng/ul  
RT: 11.960 min Scan# 2023  
Delta R.T. -0.037 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44



Tgt Ion:142 Resp: 27973  
Ion Ratio Lower Upper  
142 100  
141 90.8 74.0 111.0





#8

1-Methylnaphthalene

Concen: 0.732 ng/ul

RT: 12.180 min Scan# 2067

Delta R.T. -0.031 min

Lab File: BN032929.D

Acq: 24 Jul 2024 02:44

Instrument :

BNA\_N

ClientSampleId :

A4D44

Tgt Ion:142 Resp: 1665

Ion Ratio Lower Upper

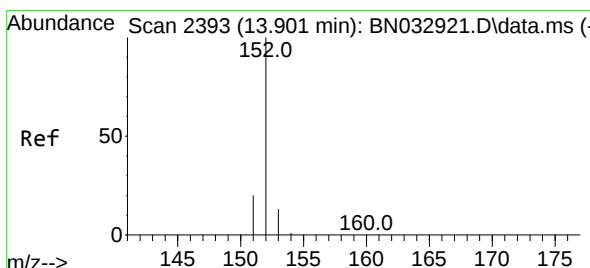
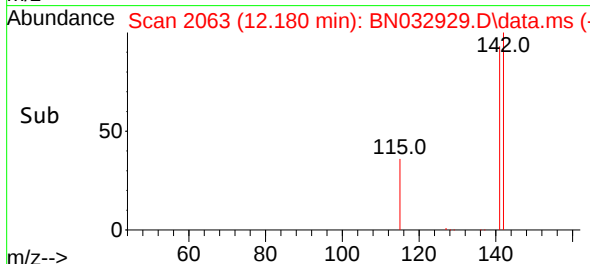
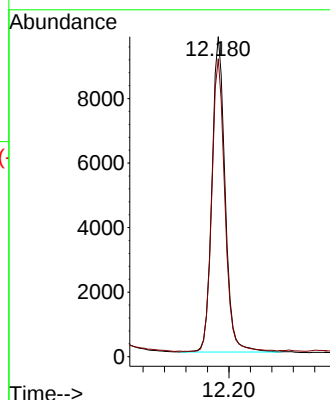
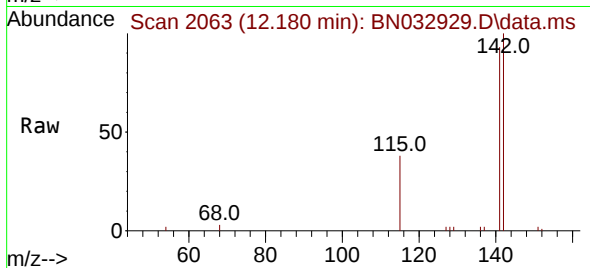
142 100

141 92.3 75.0 112.4

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#10

Acenaphthylene

Concen: 5.097 ng/ul

RT: 13.883 min Scan# 2389

Delta R.T. -0.031 min

Lab File: BN032929.D

Acq: 24 Jul 2024 02:44

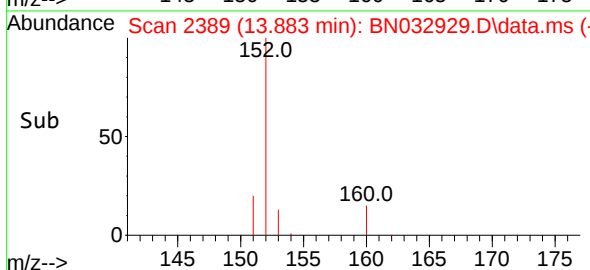
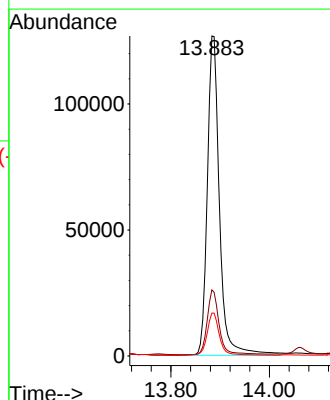
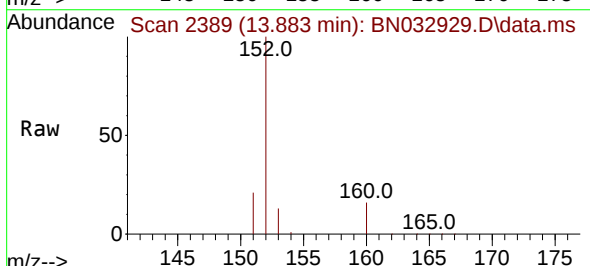
Tgt Ion:152 Resp: 216241

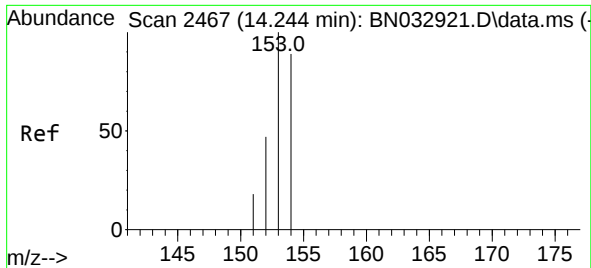
Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

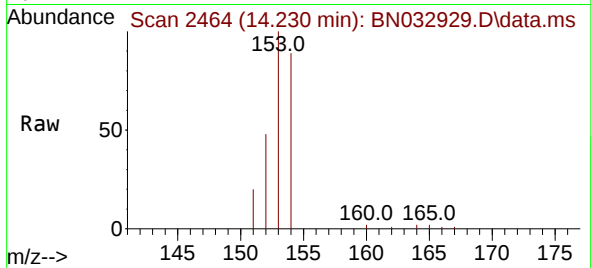
153 13.4 11.3 16.9





#11  
Acenaphthene  
Concen: 1.234 ng/ul  
RT: 14.230 min Scan# 2464  
Delta R.T. -0.022 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

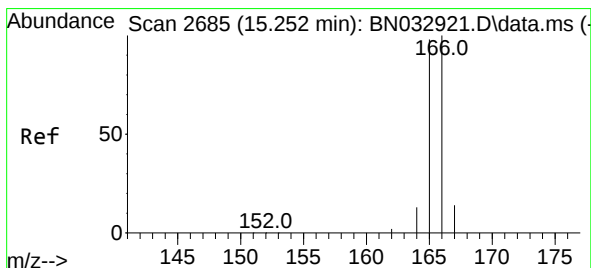
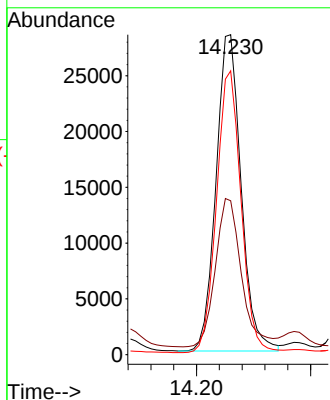
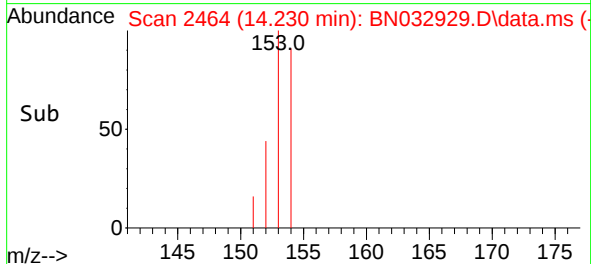
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:153 Resp: 4328  
Ion Ratio Lower Upper  
153 100  
152 48.1 40.0 60.0  
154 88.7 70.2 105.4

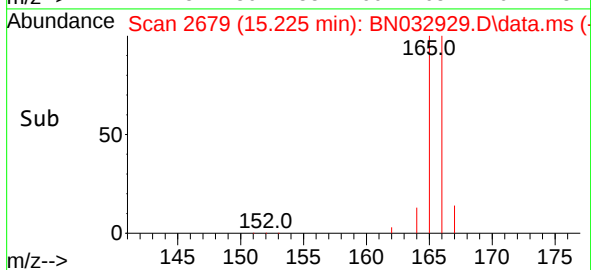
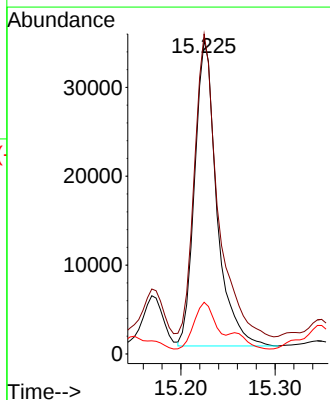
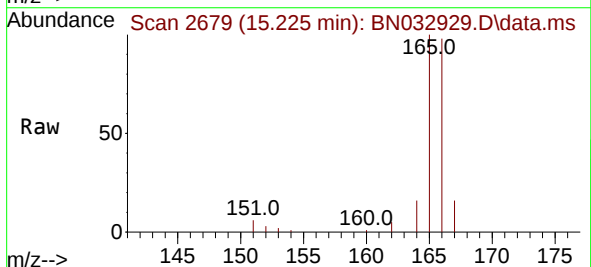
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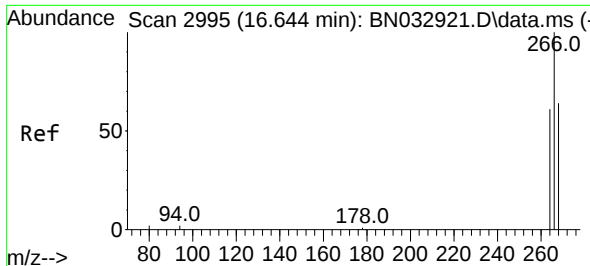
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#12  
Fluorene  
Concen: 1.395 ng/ul  
RT: 15.225 min Scan# 2679  
Delta R.T. -0.036 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

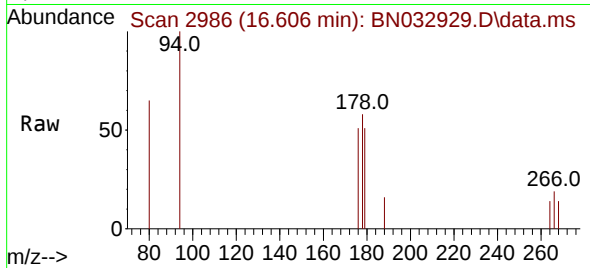
Tgt Ion:166 Resp: 55941  
Ion Ratio Lower Upper  
166 100  
165 102.1 79.7 119.5  
167 16.5 11.4 17.2





#14  
Pentachlorophenol  
Concen: 0.704 ng/ul m  
RT: 16.606 min Scan# 2995  
Delta R.T. -0.036 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

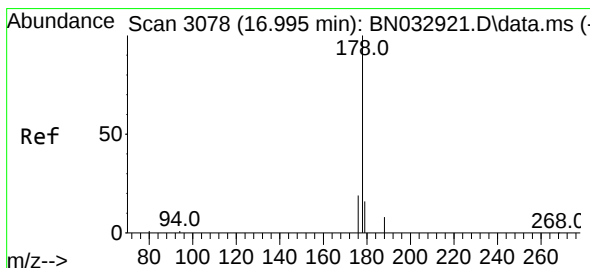
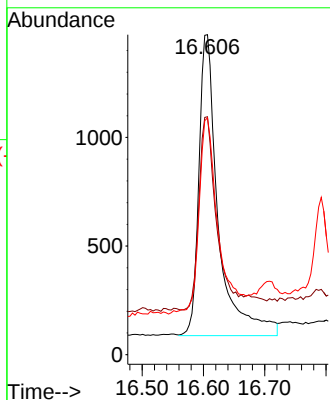
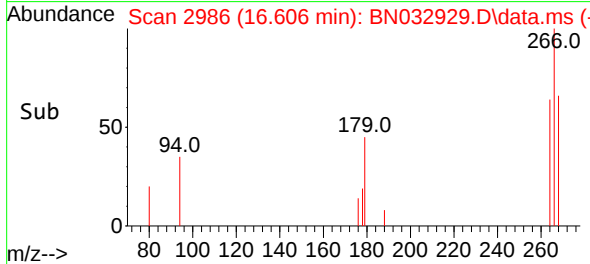
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



Tgt Ion:266 Resp: 3050  
Ion Ratio Lower Upper  
266 100  
264 3.0 49.4 74.2  
268 25.2 51.6 77.4

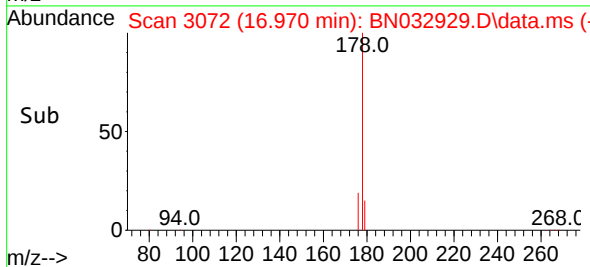
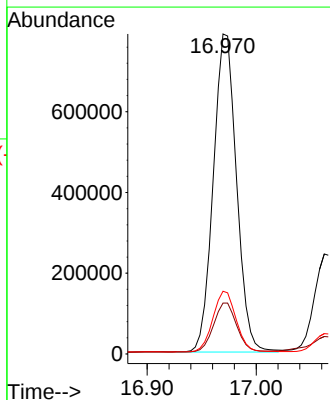
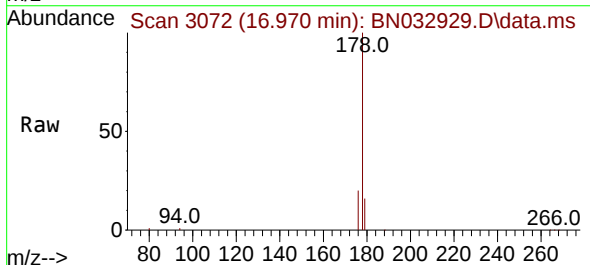
Manual Integrations  
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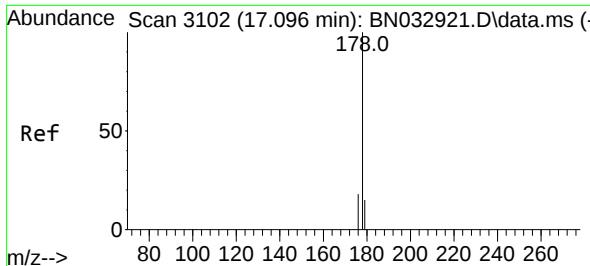
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#15  
Phenanthrene  
Concen: 17.375 ng/ul m  
RT: 16.970 min Scan# 3072  
Delta R.T. -0.032 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

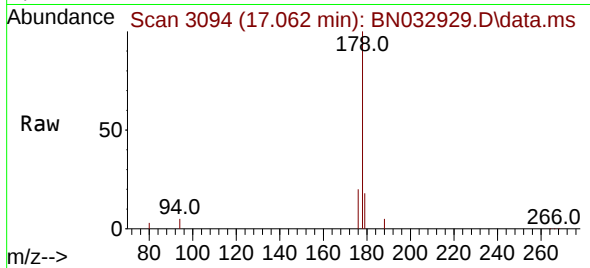
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Ion Ratio Lower Upper  
178 100  
179 15.9 13.0 19.4  
176 19.6 15.6 23.4





#16  
 Anthracene  
 Concen: 6.842 ng/ul m  
 RT: 17.062 min Scan# 3094  
 Delta R.T. -0.036 min  
 Lab File: BN032929.D  
 Acq: 24 Jul 2024 02:44

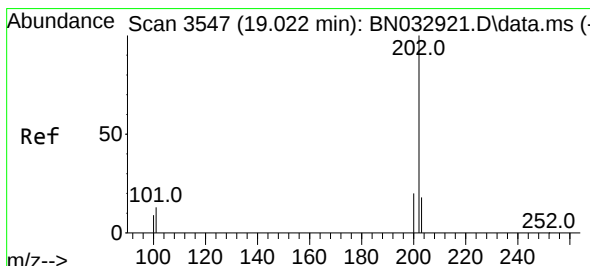
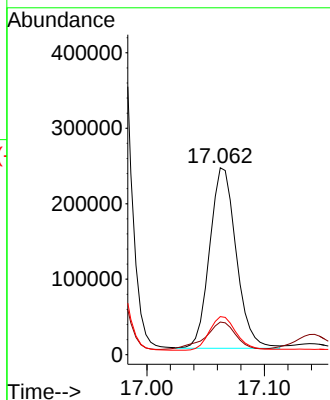
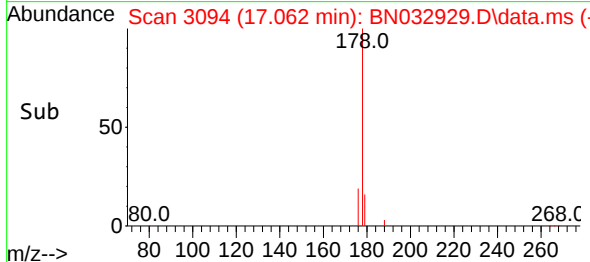
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4D44



Tgt Ion:178 Resp: 375691  
 Ion Ratio Lower Upper  
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 179 17.5 13.4 20.2  
 176 20.4 15.4 23.0

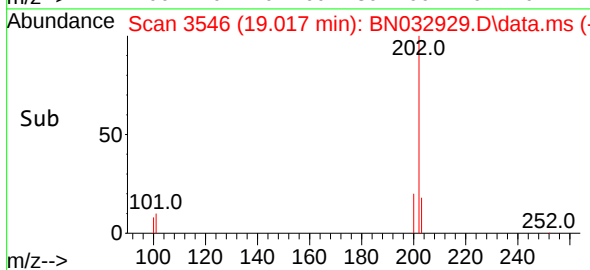
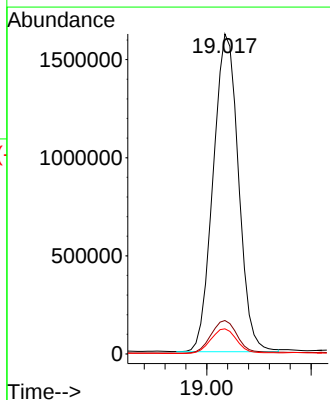
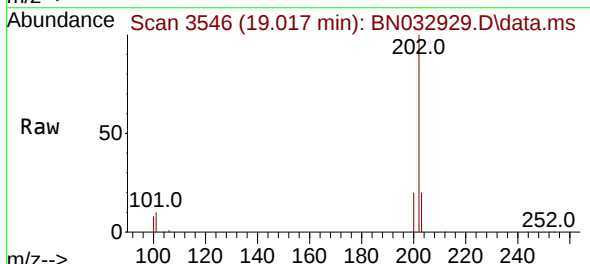
Manual Integrations  
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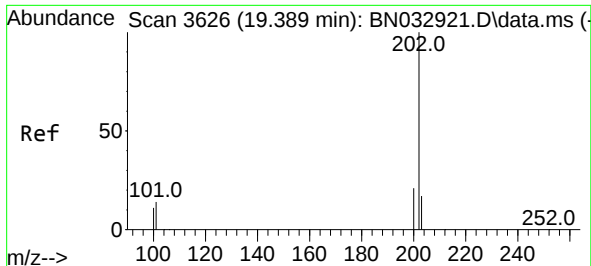
Reviewed By :Jagrut Upadhyay 07/24/2024  
 Supervised By :mohammad ahmed 07/26/2024



#19  
 Fluoranthene  
 Concen: 53.328 ng/ul m  
 RT: 19.017 min Scan# 3546  
 Delta R.T. -0.008 min  
 Lab File: BN032929.D  
 Acq: 24 Jul 2024 02:44

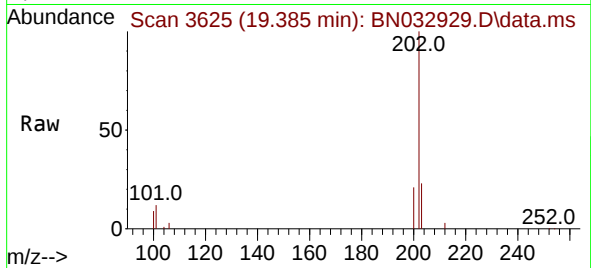
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 Ion Ratio Lower Upper  
 202 100  
 101 10.5 9.8 14.8  
 100 7.9 7.9 11.9#





#20  
Pyrene  
Concen: 26.328 ng/ul m  
RT: 19.385 min Scan# 3625  
Delta R.T. -0.008 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

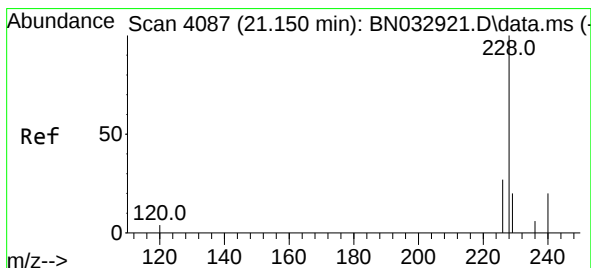
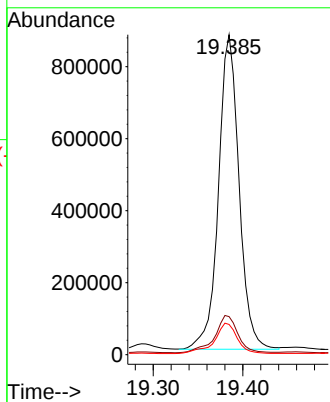
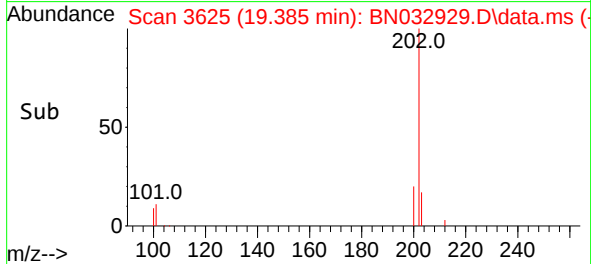
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



Tgt Ion:202 Resp: 1396289  
Ion Ratio Lower Upper  
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101 11.9 11.8 17.6  
100 9.4 9.6 14.4

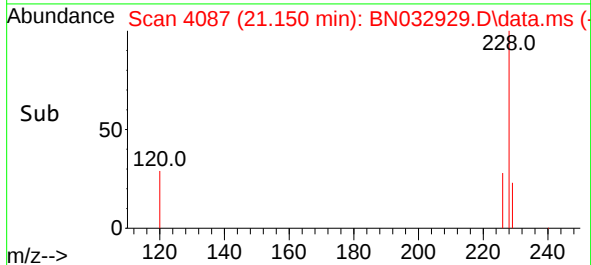
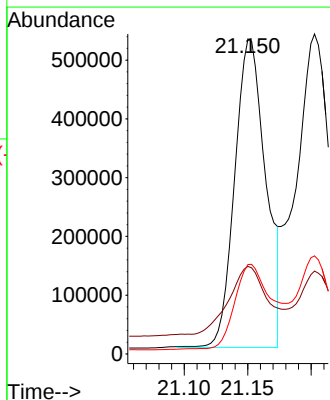
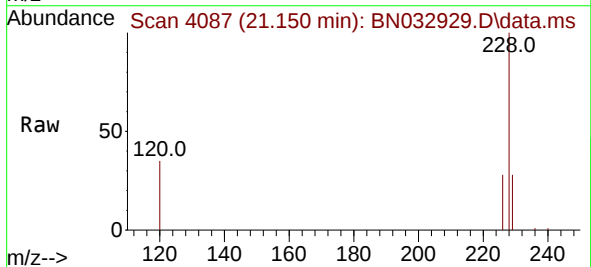
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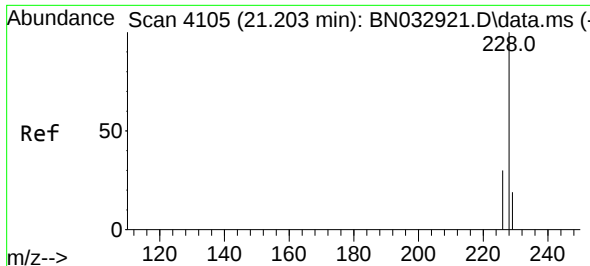
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#21  
Benzo(a)anthracene  
Concen: 22.297 ng/ul m  
RT: 21.150 min Scan# 4087  
Delta R.T. -0.000 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

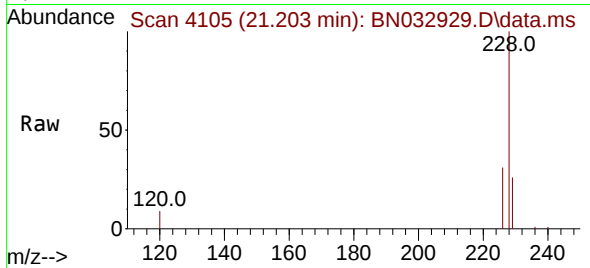
Tgt Ion:228 Resp: 894425  
Ion Ratio Lower Upper  
228 100  
229 27.8 16.1 24.1#  
226 28.4 21.9 32.9





#22  
Chrysene  
Concen: 19.113 ng/ul m  
RT: 21.203 min Scan# 4105  
Delta R.T. -0.000 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

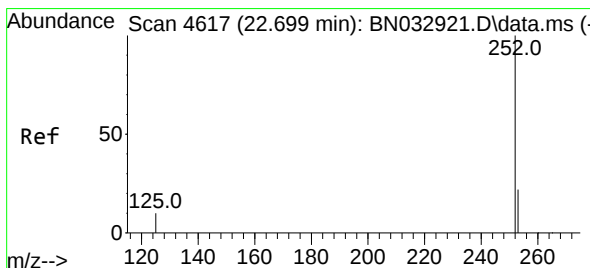
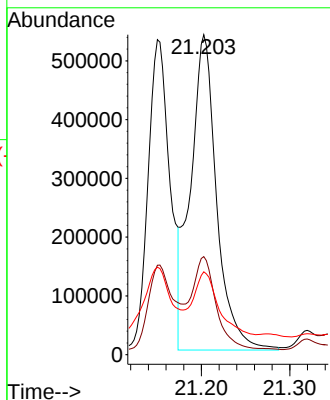
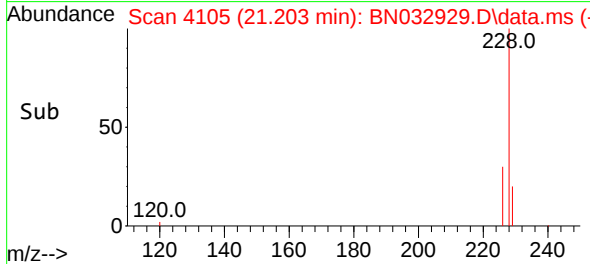
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



Tgt Ion:228 Resp: 1109100  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.0 36.0  
229 25.9 15.8 23.6

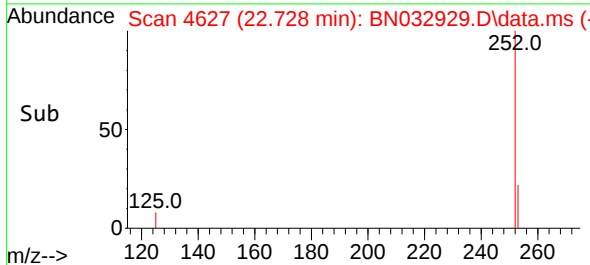
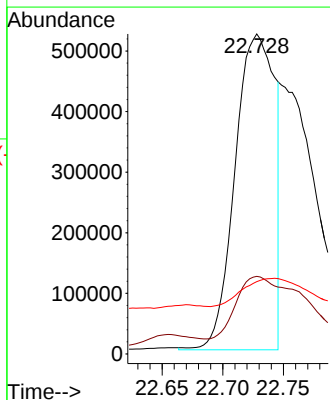
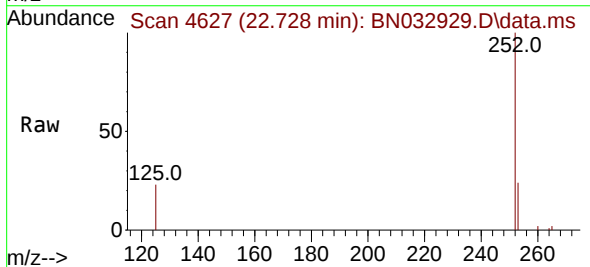
Manual Integrations  
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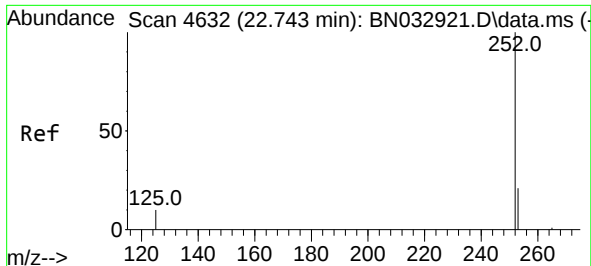
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024



#24  
Benzo(b)fluoranthene  
Concen: 23.134 ng/ul m  
RT: 22.728 min Scan# 4627  
Delta R.T. 0.029 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

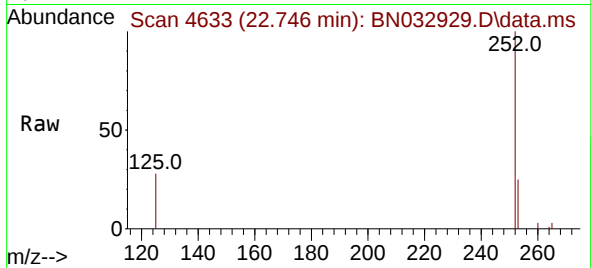
Tgt Ion:252 Resp: 1187216  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 54.0  
125 22.6 0.0 36.0





#25  
Benzo(k)fluoranthene  
Concen: 15.450 ng/ul m  
RT: 22.746 min Scan# 4632  
Delta R.T. 0.006 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

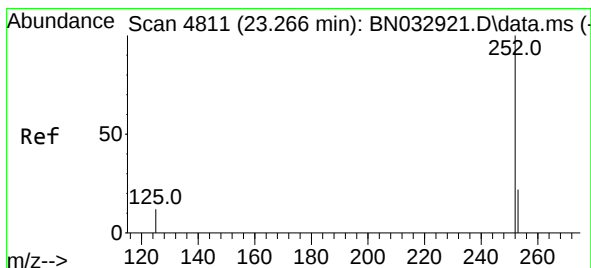
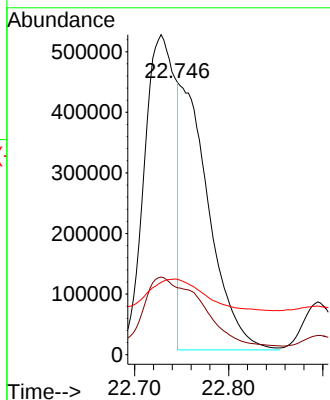
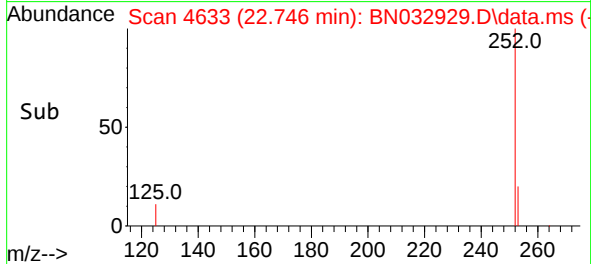
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



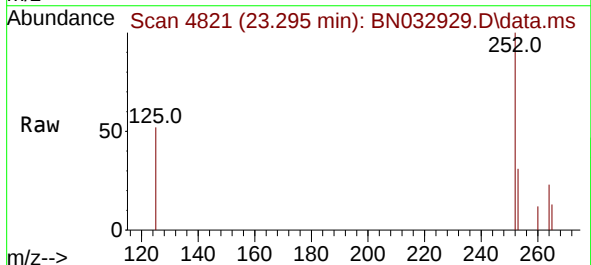
Tgt Ion:252 Resp: 96628  
Ion Ratio Lower Upper  
252 100  
253 24.6 21.2 31.8  
125 27.7 14.8 22.2

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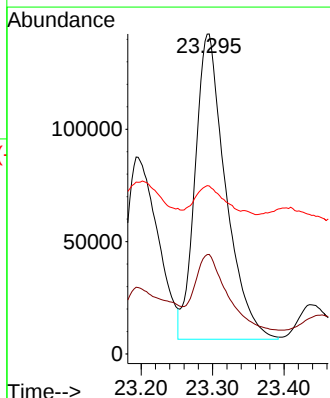
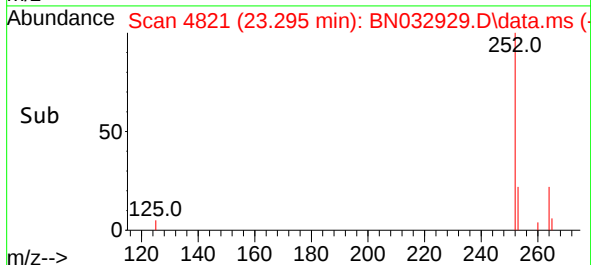
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024

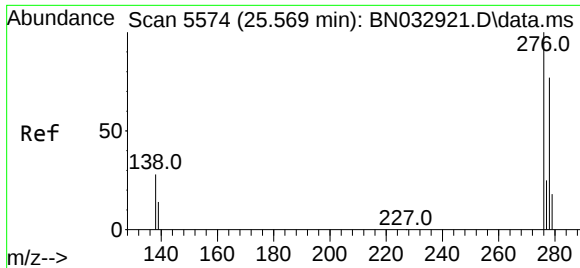


#26  
Benzo(a)pyrene  
Concen: 9.079 ng/ul m  
RT: 23.295 min Scan# 4821  
Delta R.T. 0.032 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44



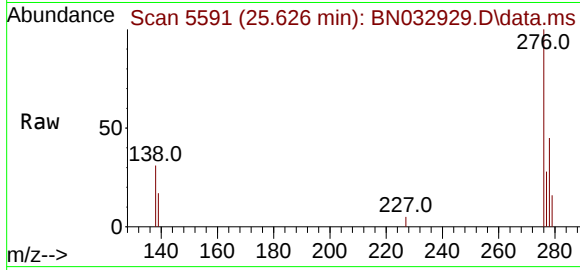
Tgt Ion:252 Resp: 403196  
Ion Ratio Lower Upper  
252 100  
253 31.1 25.4 38.0  
125 52.5 20.6 30.8





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 10.048 ng/ul m  
RT: 25.626 min Scan# 5591  
Delta R.T. 0.057 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

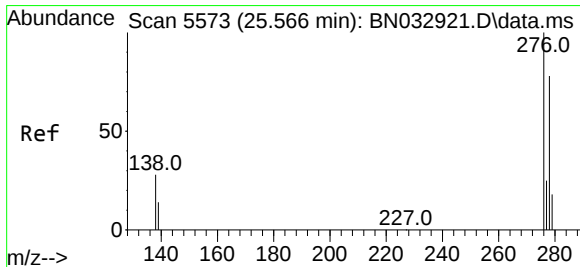
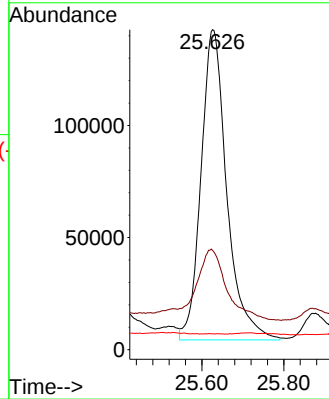
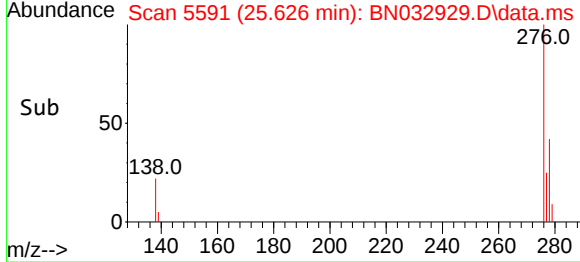
Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



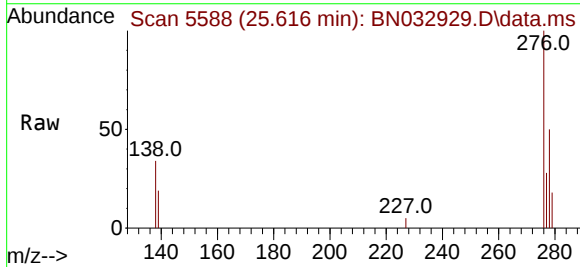
Tgt Ion:276 Resp: 604278  
Ion Ratio Lower Upper  
276 100  
138 3.6 21.6 32.4#  
227 0.0 0.0 0.0

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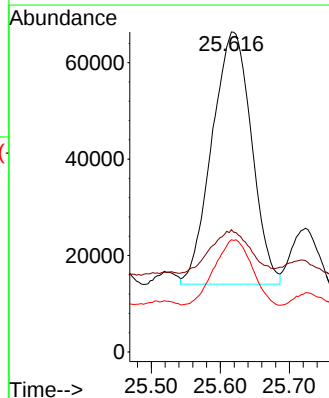
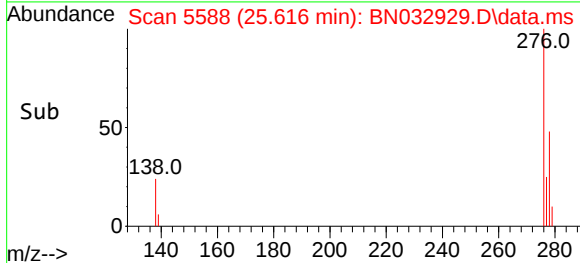
Reviewed By :Jagrut Upadhyay 07/24/2024  
Supervised By :mohammad ahmed 07/26/2024

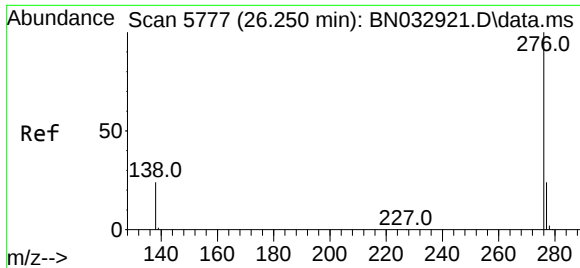


#28  
Dibenzo(a,h)anthracene  
Concen: 4.462 ng/ul m  
RT: 25.616 min Scan# 5588  
Delta R.T. 0.047 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44



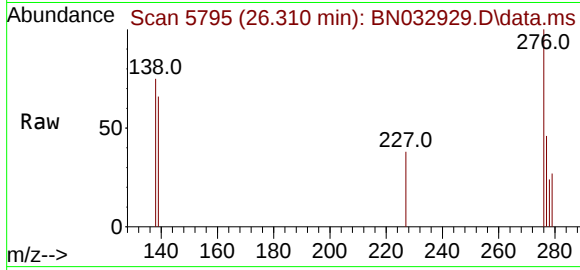
Tgt Ion:278 Resp: 207977  
Ion Ratio Lower Upper  
278 100  
139 38.2 16.6 24.8#  
279 35.0 23.7 35.5





#29  
Benzo(g,h,i)perylene  
Concen: 1.530 ng/ul m  
RT: 26.310 min Scan# 51  
Delta R.T. 0.060 min  
Lab File: BN032929.D  
Acq: 24 Jul 2024 02:44

Instrument :  
BNA\_N  
ClientSampleId :  
A4D44



Tgt Ion:276 Resp: 76900  
Ion Ratio Lower Upper  
276 100  
138 75.1 21.0 31.4  
277 46.3 20.6 31.0

Manual Integrations  
APPROVED

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

