

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
 Data File : BN029592.D  
 Acq On : 09 Feb 2024 00:23  
 Operator : MA/JU  
 Sample : P1303-18  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0FJ4

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 09 01:47:24 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Feb 07 02:17:13 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.888  | 152  | 5738     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.683 | 136  | 15673    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.525 | 164  | 7114     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.276 | 188  | 13387    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.473 | 240  | 9809     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.840 | 264  | 12635    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.332  | 96   | 46935    | 6.560 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.278 | 152  | 8503     | 0.426 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.309 | 212  | 14149    | 0.439 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.733 | 128  | 929      | 0.021 | ng/ul# | 72       |
| 14) Pentachlorophenol       | 16.926 | 266  | 151      | 0.051 | ng/ul# | 47       |
| 15) Phenanthrene            | 17.318 | 178  | 5845     | 0.140 | ng/ul  | 97       |
| 16) Anthracene              | 17.411 | 178  | 974      | 0.028 | ng/ul# | 76       |
| 19) Fluoranthene            | 19.341 | 202  | 15057    | 0.334 | ng/ul  | 98       |
| 20) Pyrene                  | 19.704 | 202  | 13590m   | 0.294 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.455 | 228  | 5331     | 0.151 | ng/ul  | 94       |
| 22) Chrysene                | 21.508 | 228  | 7266     | 0.188 | ng/ul# | 95       |
| 24) Benzo(b)fluoranthene    | 23.124 | 252  | 9624m    | 0.202 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.168 | 252  | 4196m    | 0.080 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.738 | 252  | 5836     | 0.131 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.295 | 276  | 4242     | 0.078 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.319 | 278  | 981      | 0.023 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.046 | 276  | 4343     | 0.088 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

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

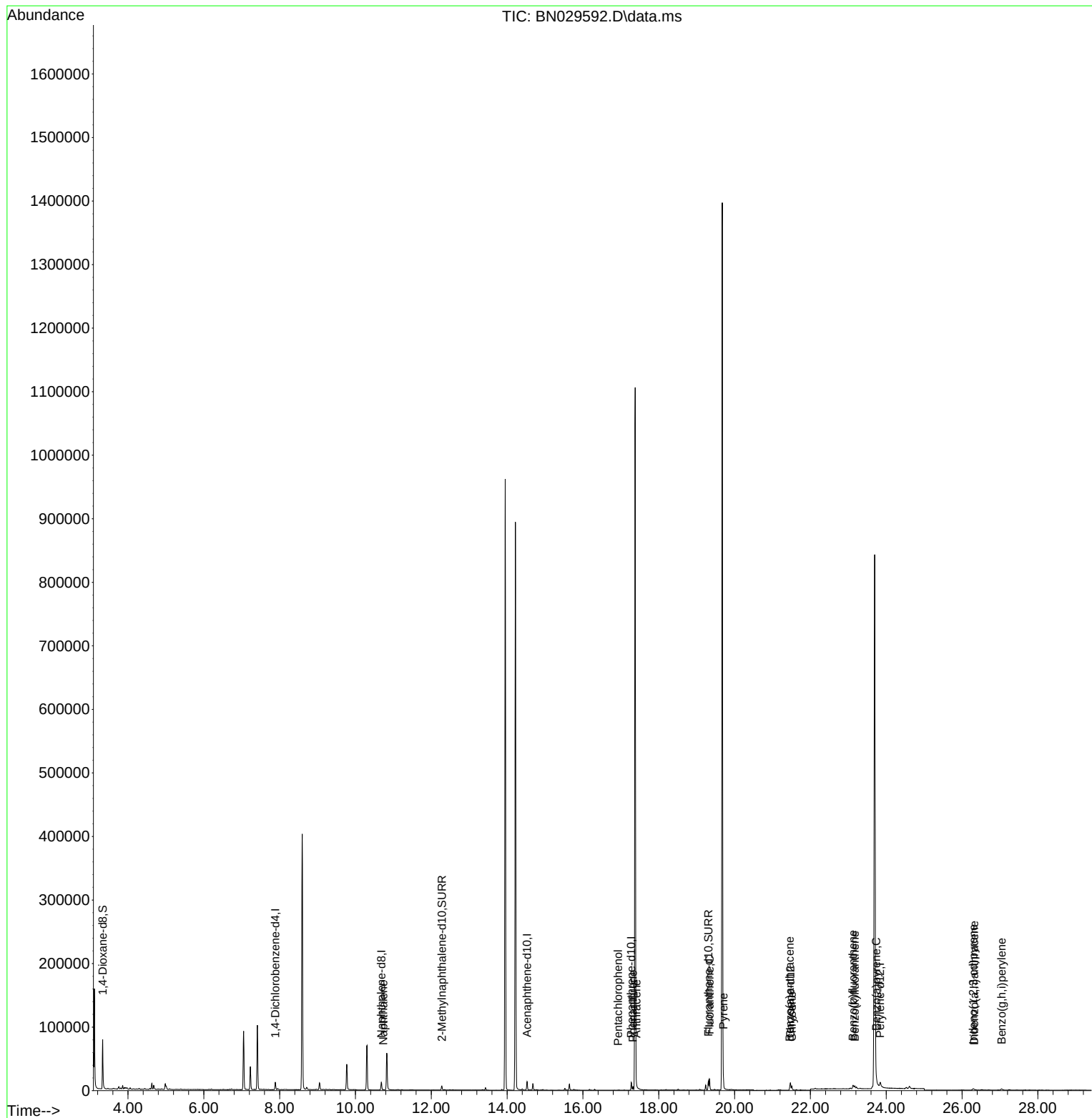
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
Data File : BN029592.D  
Acq On : 09 Feb 2024 00:23  
Operator : MA/JU  
Sample : P1303-18  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

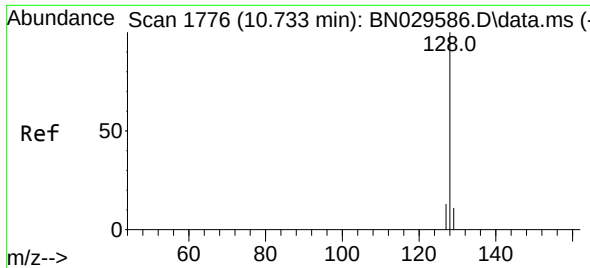
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4

Manual Integrations  
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Supervised By :mohammad ahmed 02/09/2024

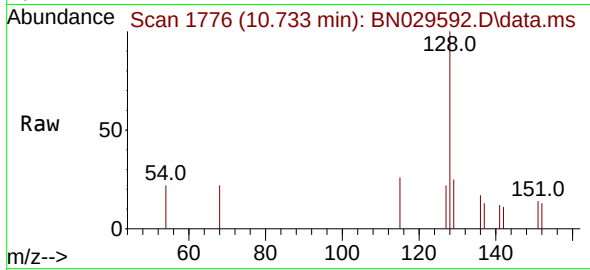
Quant Time: Feb 09 01:47:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 07 02:17:13 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.021 ng/ul  
RT: 10.733 min Scan# 1776  
Delta R.T. -0.005 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

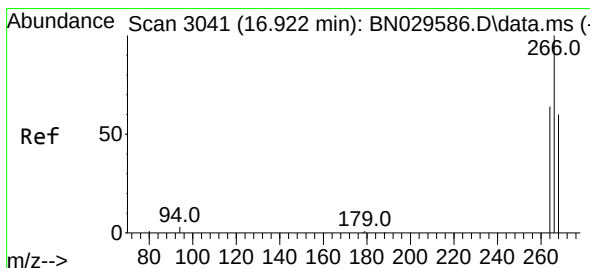
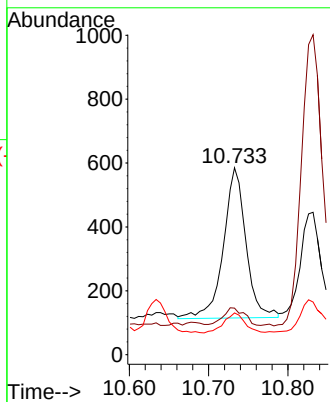
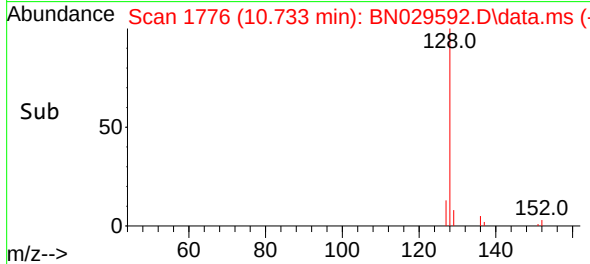
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



Tgt Ion:128 Resp: 929  
Ion Ratio Lower Upper  
128 100  
129 25.0 9.1 13.7  
127 22.4 11.0 16.6

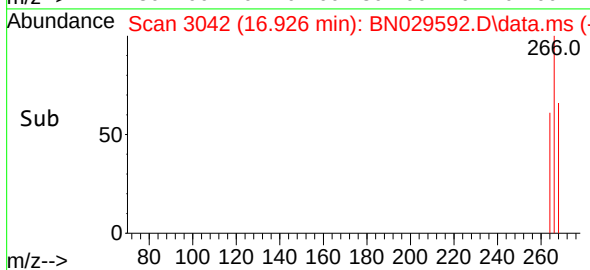
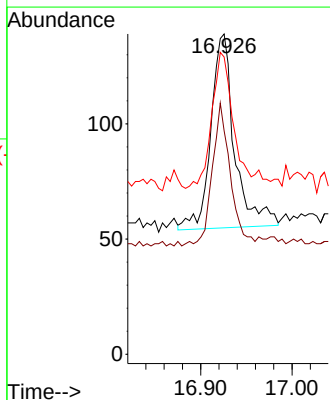
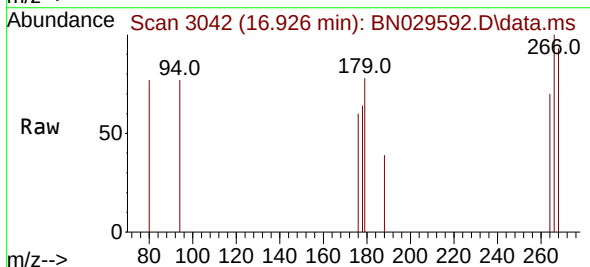
Manual Integrations  
APPROVED

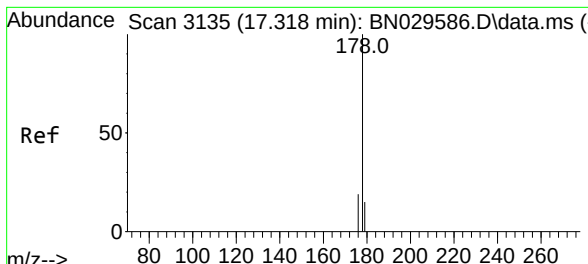
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#14  
Pentachlorophenol  
Concen: 0.051 ng/ul  
RT: 16.926 min Scan# 3042  
Delta R.T. -0.004 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

Tgt Ion:266 Resp: 151  
Ion Ratio Lower Upper  
266 100  
264 57.0 0.0 0.0#  
268 68.2 0.2 0.2#





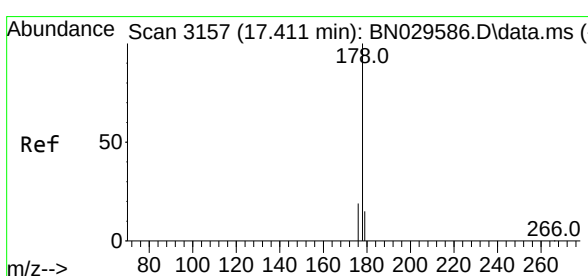
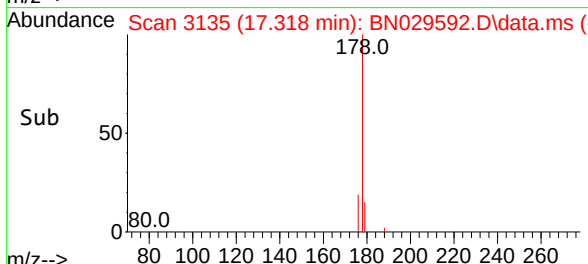
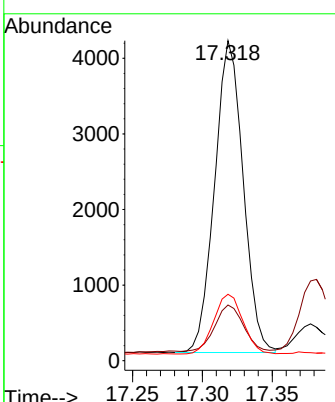
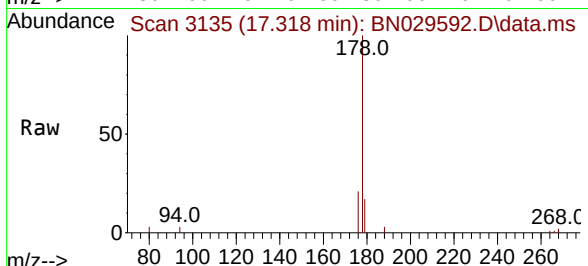
#15  
 Phenanthrene  
 Concen: 0.140 ng/u1  
 RT: 17.318 min Scan# 3135  
 Delta R.T. -0.008 min  
 Lab File: BN029592.D  
 Acq: 09 Feb 2024 00:23

Instrument : BNA\_N  
 ClientSampleId : C0FJ4

Tgt Ion:178 Resp: 584

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 17.4  | 12.6  | 18.8  |
| 176 | 20.8  | 15.7  | 23.5  |

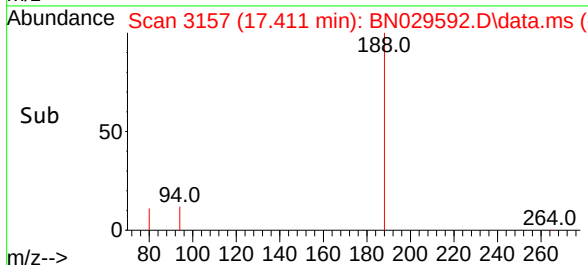
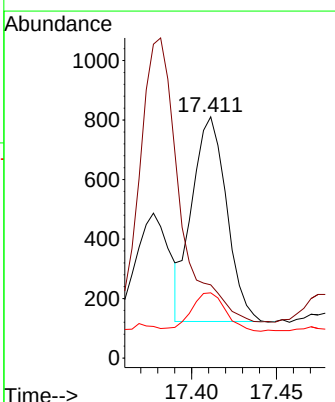
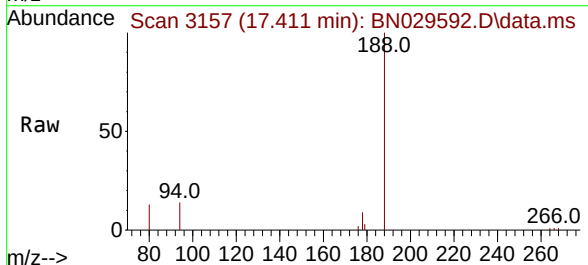
Manual Integrations  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 02/09/2024  
 Supervised By :mohammad ahmed 02/09/2024

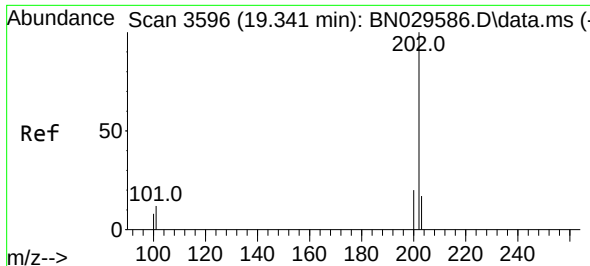


#16  
 Anthracene  
 Concen: 0.028 ng/u1  
 RT: 17.411 min Scan# 3157  
 Delta R.T. -0.004 min  
 Lab File: BN029592.D  
 Acq: 09 Feb 2024 00:23

Tgt Ion:178 Resp: 974

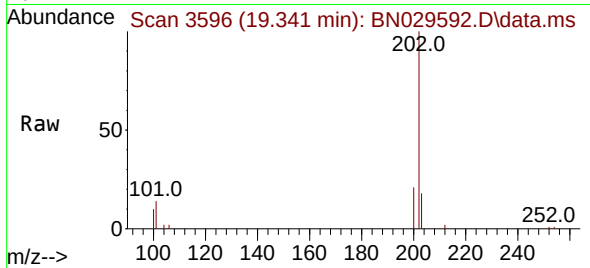
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 30.3  | 12.9  | 19.3# |
| 176 | 27.0  | 15.8  | 23.8# |





#19  
Fluoranthene  
Concen: 0.334 ng/ul  
RT: 19.341 min Scan# 3596  
Delta R.T. -0.005 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

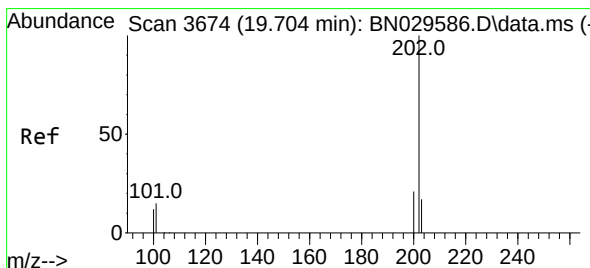
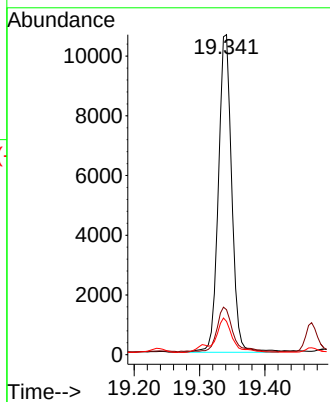
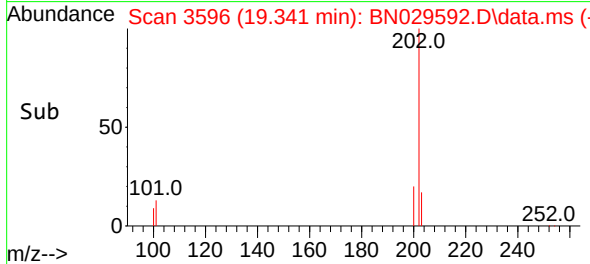
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



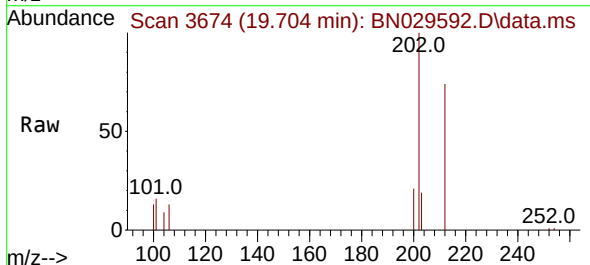
Tgt Ion:202 Resp: 1505  
Ion Ratio Lower Upper  
202 100  
101 14.0 10.4 15.6  
100 10.4 8.5 12.7

Manual Integrations  
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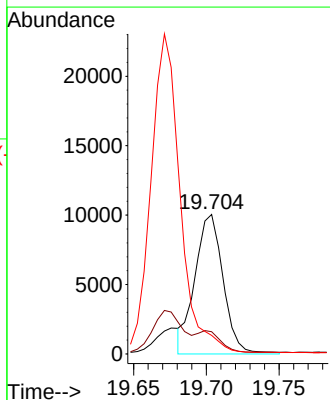
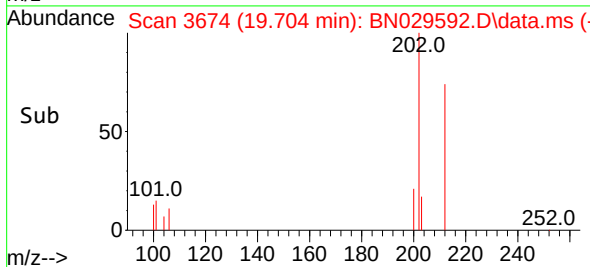
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

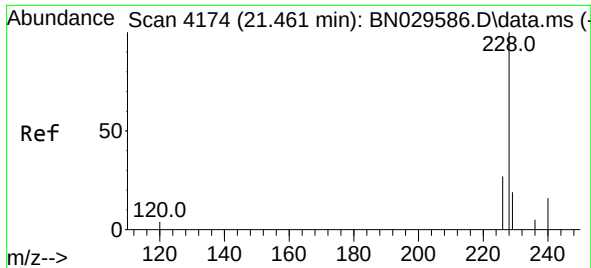


#20  
Pyrene  
Concen: 0.294 ng/ul m  
RT: 19.704 min Scan# 3674  
Delta R.T. -0.005 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23



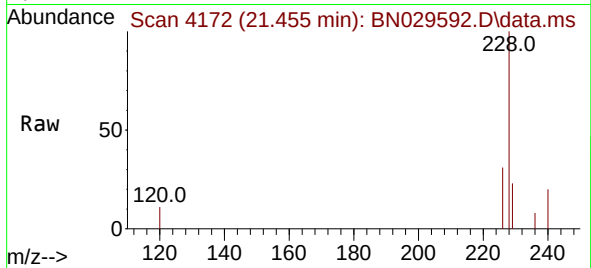
Tgt Ion:202 Resp: 13590  
Ion Ratio Lower Upper  
202 100  
101 15.9 12.5 18.7  
100 13.3 10.0 15.0





#21  
Benzo(a)anthracene  
Concen: 0.151 ng/u1  
RT: 21.455 min Scan# 4174  
Delta R.T. -0.012 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

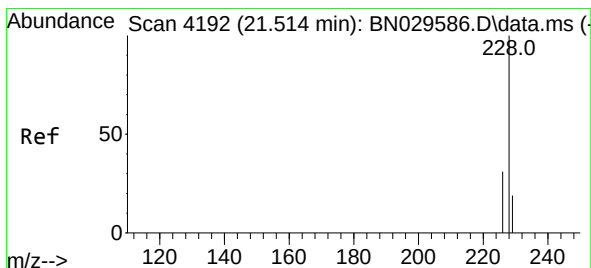
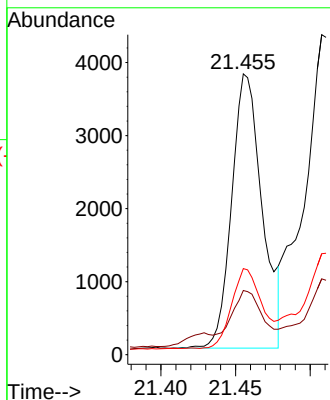
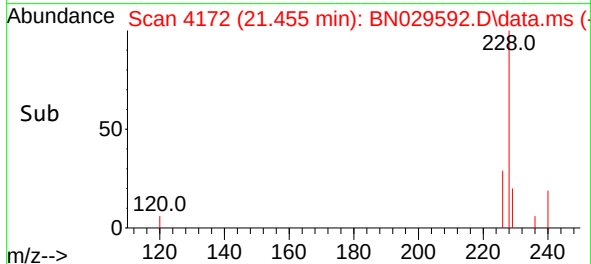
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



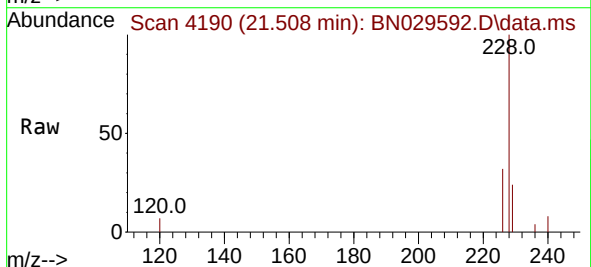
Tgt Ion:228 Resp: 533  
Ion Ratio Lower Upper  
228 100  
229 22.8 15.7 23.5  
226 30.7 22.2 33.4

Manual Integrations  
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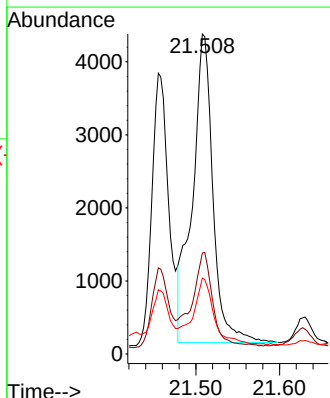
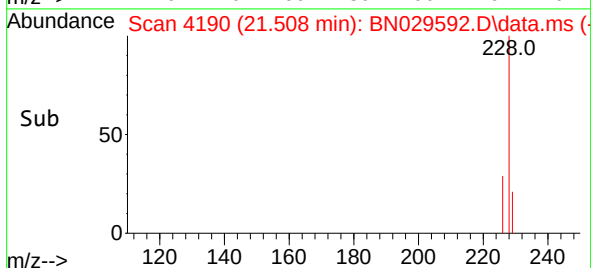
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

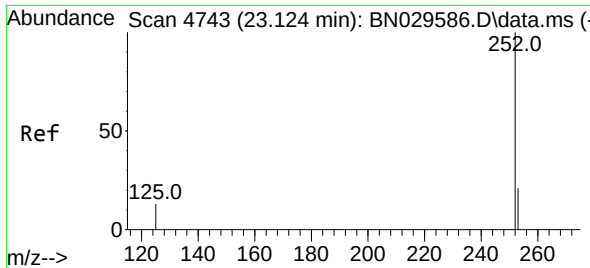


#22  
Chrysene  
Concen: 0.188 ng/u1  
RT: 21.508 min Scan# 4190  
Delta R.T. -0.012 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23



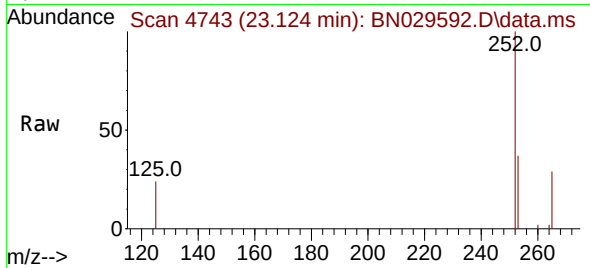
Tgt Ion:228 Resp: 7266  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.2 36.2  
229 23.7 15.7 23.5#





#24  
Benzo(b)fluoranthene  
Concen: 0.202 ng/ul m  
RT: 23.124 min Scan# 4743  
Delta R.T. -0.012 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

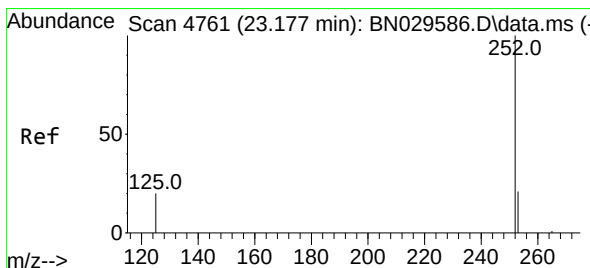
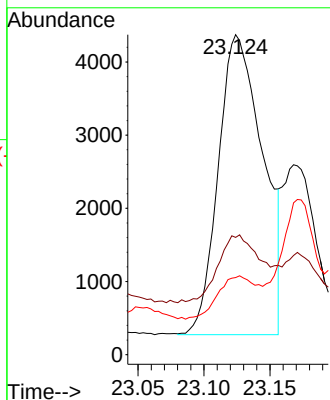
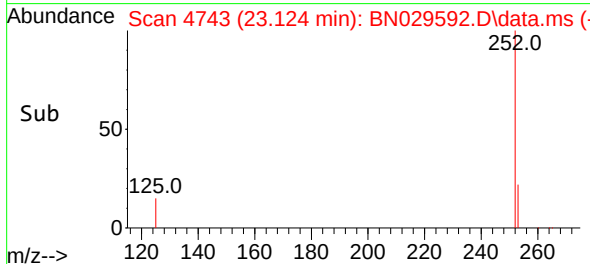
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



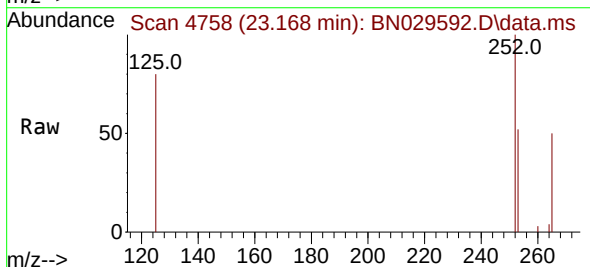
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Ion Ratio Lower Upper  
252 100  
253 36.7 0.0 56.8  
125 24.1 0.0 32.4

Manual Integrations  
APPROVED

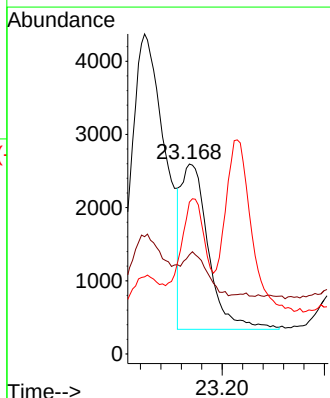
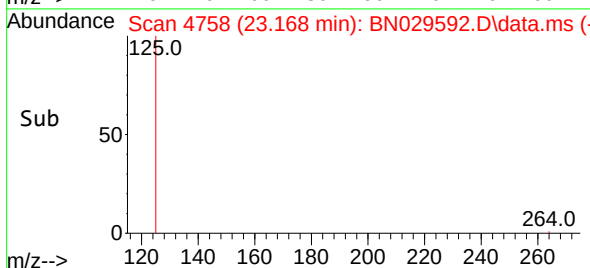
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

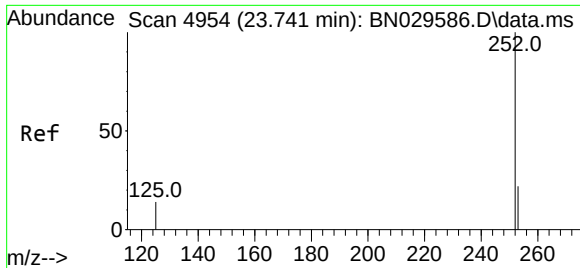


#25  
Benzo(k)fluoranthene  
Concen: 0.080 ng/ul m  
RT: 23.168 min Scan# 4758  
Delta R.T. -0.017 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23



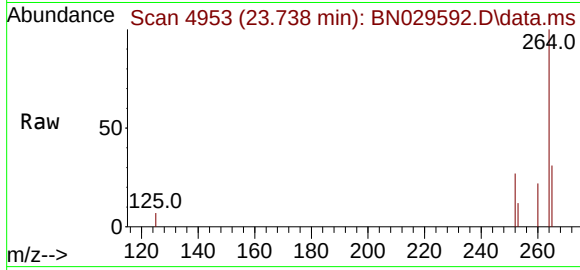
Tgt Ion:252 Resp: 4196  
Ion Ratio Lower Upper  
252 100  
253 52.2 22.6 33.8#  
125 79.9 15.3 22.9#





#26  
Benzo(a)pyrene  
Concen: 0.131 ng/ul  
RT: 23.738 min Scan# 4954  
Delta R.T. -0.015 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

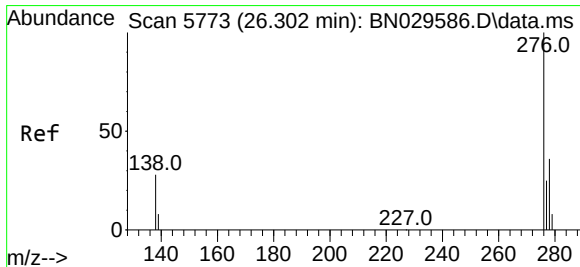
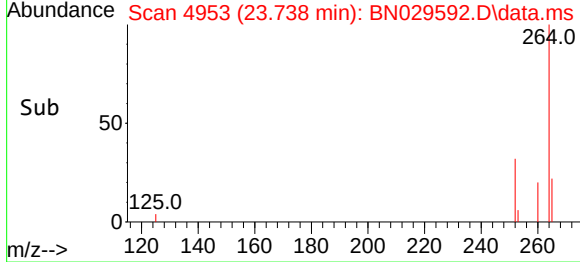
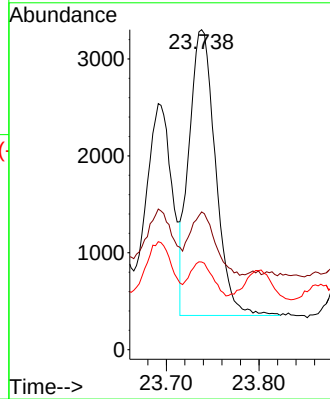
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



Tgt Ion:252 Resp: 5830  
Ion Ratio Lower Upper  
252 100  
253 43.0 25.4 38.0#  
125 27.4 16.0 24.0#

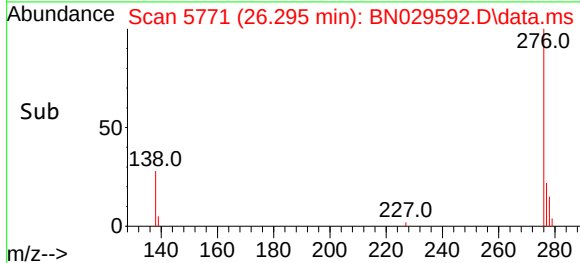
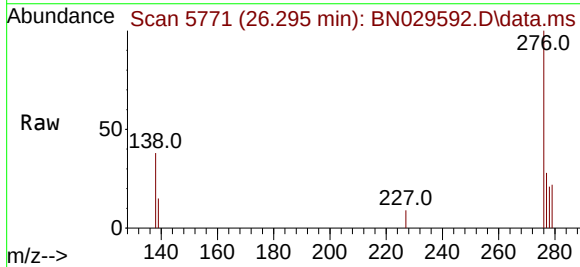
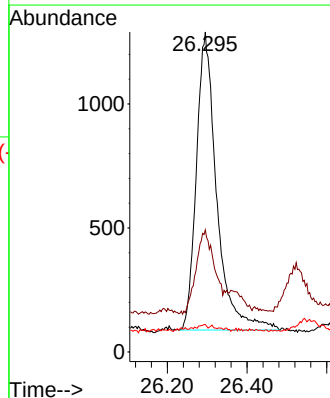
Manual Integrations  
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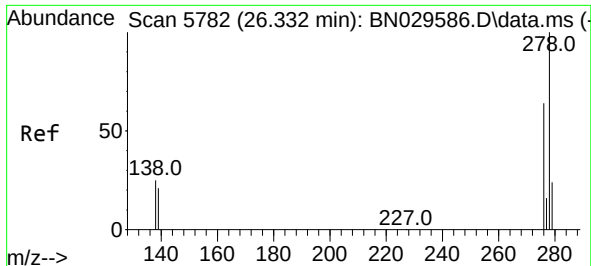


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.078 ng/ul  
RT: 26.295 min Scan# 5771  
Delta R.T. -0.023 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

Tgt Ion:276 Resp: 4242  
Ion Ratio Lower Upper  
276 100  
138 32.7 0.0 0.0#  
227 0.9 0.0 0.0#

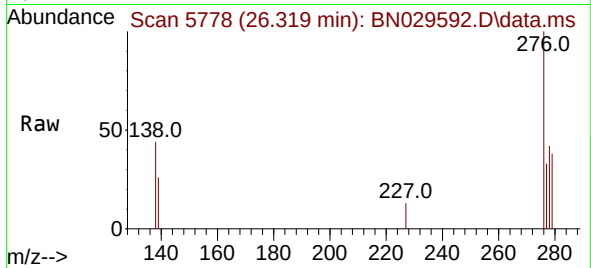






#28  
Dibenzo(a,h)anthracene  
Concen: 0.023 ng/ul  
RT: 26.319 min Scan# 51  
Delta R.T. -0.030 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23

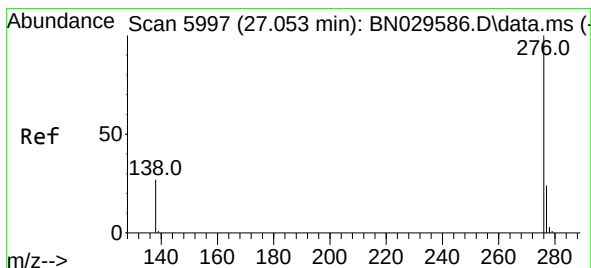
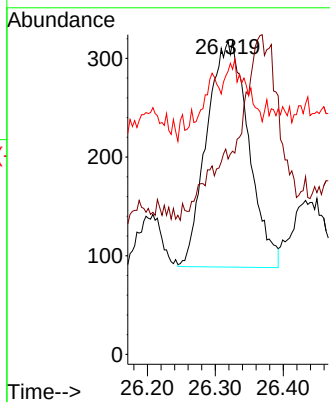
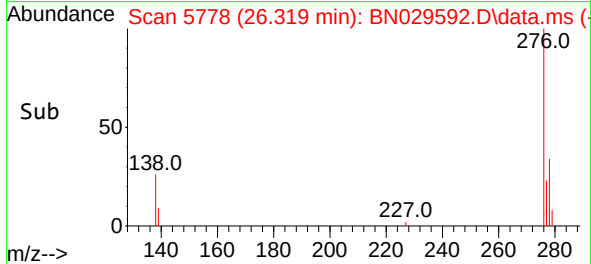
Instrument :  
BNA\_N  
ClientSampleId :  
C0FJ4



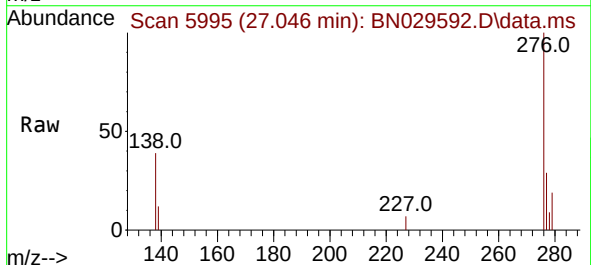
Tgt Ion:278 Resp: 98  
Ion Ratio Lower Upper  
278 100  
139 62.5 19.0 28.4  
279 90.5 22.6 34.0

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.088 ng/ul  
RT: 27.046 min Scan# 5995  
Delta R.T. -0.017 min  
Lab File: BN029592.D  
Acq: 09 Feb 2024 00:23



Tgt Ion:276 Resp: 4343  
Ion Ratio Lower Upper  
276 100  
138 39.1 24.6 37.0  
277 28.9 19.7 29.5

