

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
 Data File : BN026915.D  
 Acq On : 16 Aug 2023 00:21  
 Operator : MA/JU  
 Sample : 03965-15  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/16/2023  
 Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 01:39:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 00:50:05 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.110  | 152  | 17455    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.938 | 136  | 58419    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.735 | 164  | 34344    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.481 | 188  | 73668    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.653 | 240  | 61545    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.199 | 264  | 60849    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.443  | 96   | 80719    | 3.895 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.511 | 152  | 25902    | 0.301 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.497 | 212  | 67209    | 0.346 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.523 | 178  | 11086    | 0.046 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.525 | 202  | 27698    | 0.108 | ng/ul  | 96       |
| 20) Pyrene                  | 19.892 | 202  | 26008m   | 0.095 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.635 | 228  | 22574    | 0.092 | ng/ul  | 95       |
| 22) Chrysene                | 21.691 | 228  | 23499    | 0.097 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.407 | 252  | 51661m   | 0.224 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.457 | 252  | 19740m   | 0.087 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.088 | 252  | 40154    | 0.193 | ng/ul# | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.888 | 276  | 26319    | 0.097 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.905 | 278  | 6277     | 0.029 | ng/ul# | 51       |
| 29) Benzo(g,h,i)perylene    | 27.733 | 276  | 26632    | 0.118 | ng/ul  | 94       |
| -----                       |        |      |          |       |        |          |

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

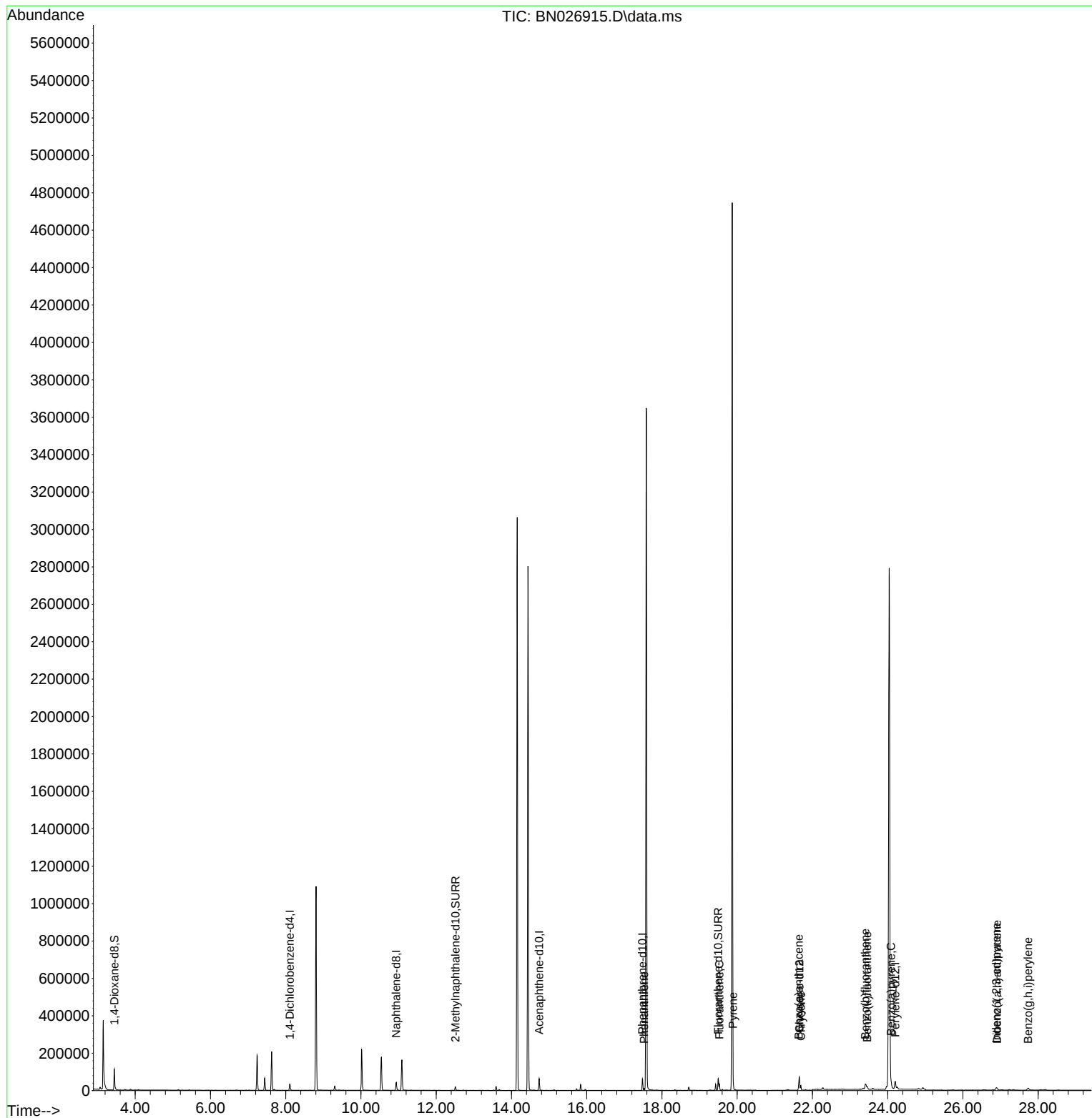
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
Data File : BN026915.D  
Acq On : 16 Aug 2023 00:21  
Operator : MA/JU  
Sample : 03965-15  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

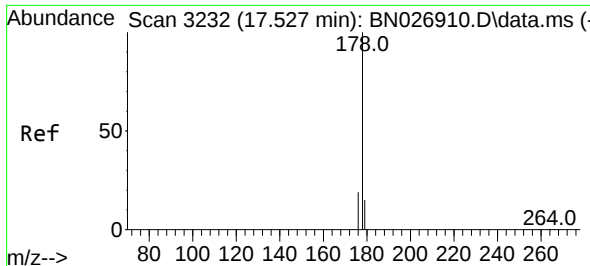
Instrument :  
BNA\_N  
ClientSampleId :  
A48K7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023

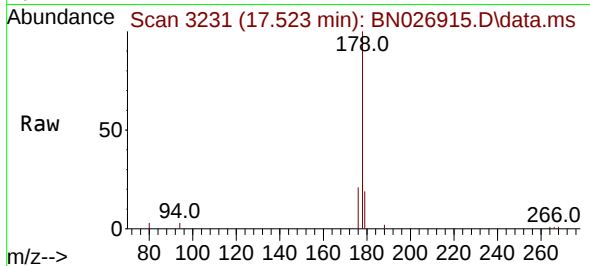
Quant Time: Aug 16 01:39:03 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN080323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 16 00:50:05 2023  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.046 ng/ul  
RT: 17.523 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

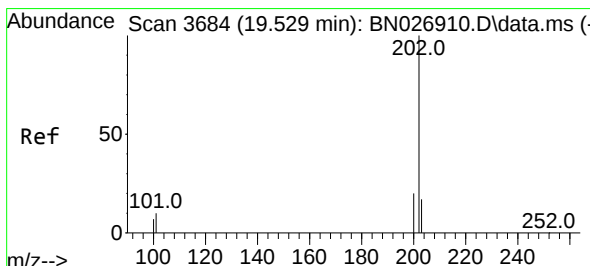
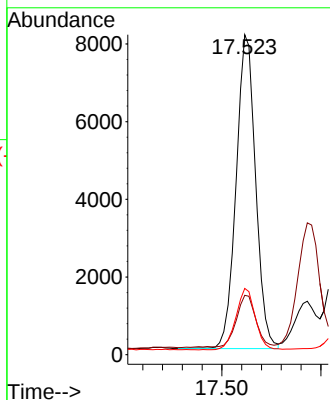
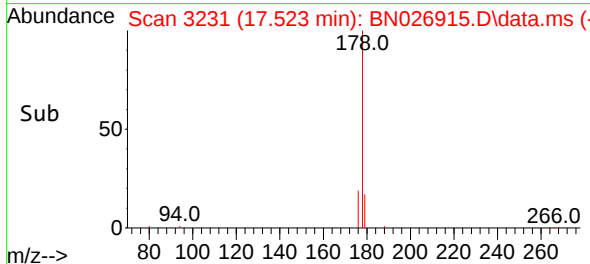
Instrument :  
BNA\_N  
ClientSampleId :  
A48K7



Tgt Ion:178 Resp: 11080  
Ion Ratio Lower Upper  
178 100  
179 18.6 12.6 18.8  
176 20.7 15.4 23.2

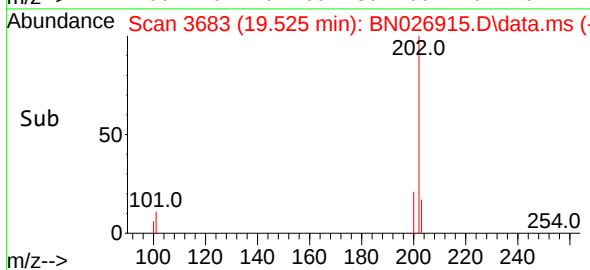
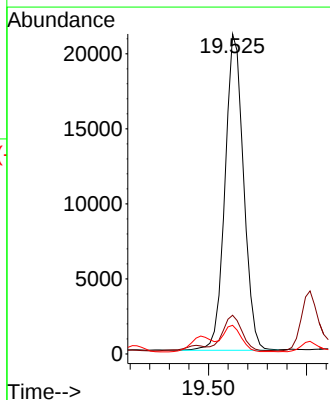
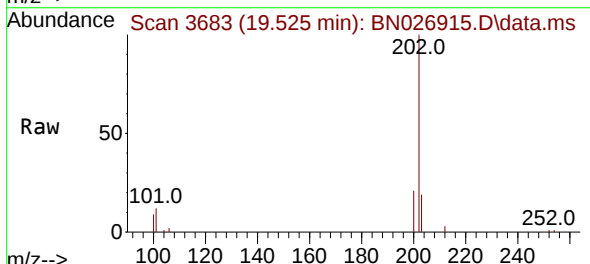
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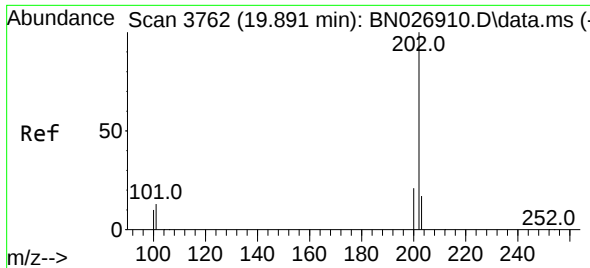
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#19  
Fluoranthene  
Concen: 0.108 ng/ul  
RT: 19.525 min Scan# 3683  
Delta R.T. -0.005 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

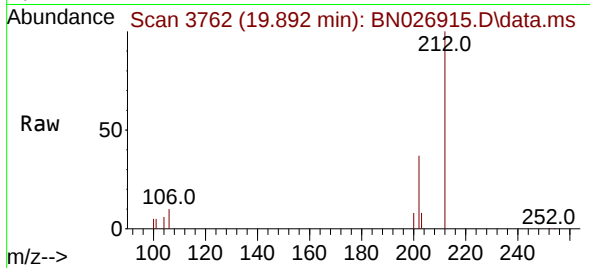
Tgt Ion:202 Resp: 27698  
Ion Ratio Lower Upper  
202 100  
101 12.1 8.3 12.5  
100 9.0 6.2 9.2





#20  
Pyrene  
Concen: 0.095 ng/ul m  
RT: 19.892 min Scan# 3762  
Delta R.T. -0.005 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

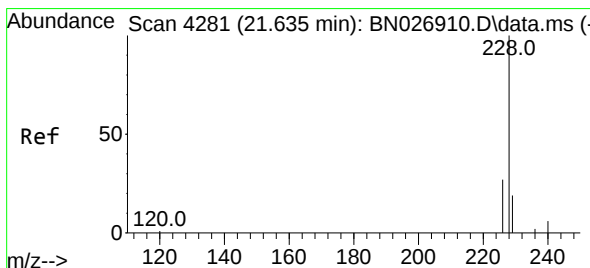
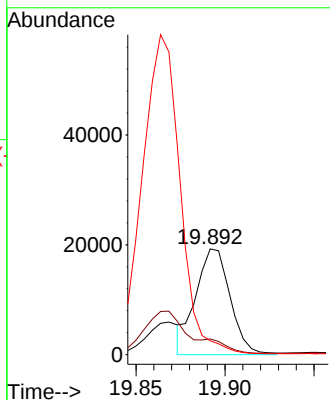
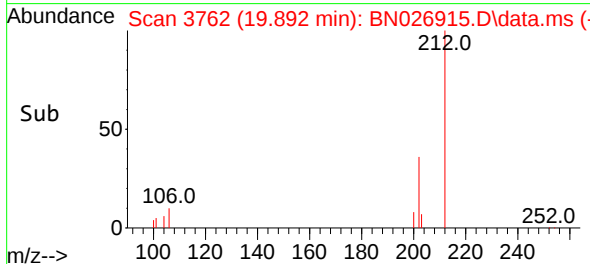
Instrument :  
BNA\_N  
ClientSampleId :  
A48K7



Tgt Ion:202 Resp: 26000  
Ion Ratio Lower Upper  
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101 14.8 10.7 16.1  
100 13.1 8.5 12.7

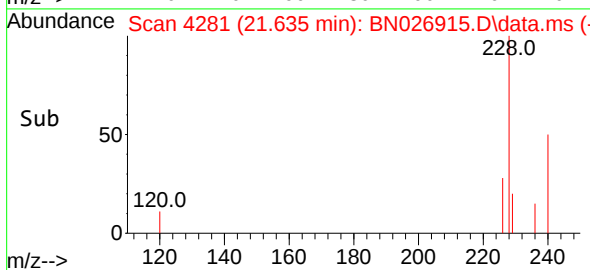
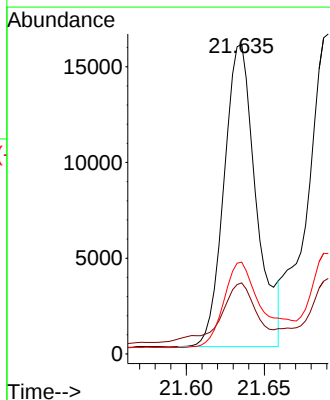
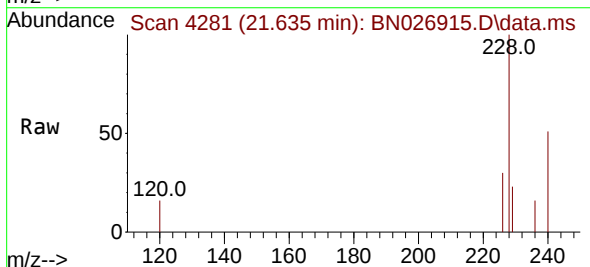
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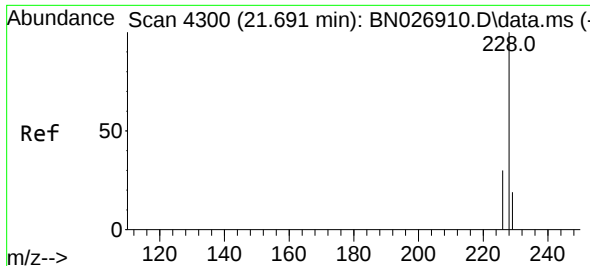
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#21  
Benzo(a)anthracene  
Concen: 0.092 ng/ul  
RT: 21.635 min Scan# 4281  
Delta R.T. -0.006 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

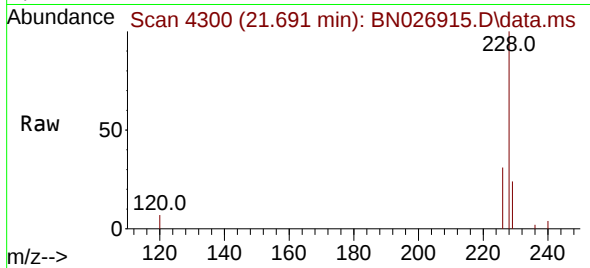
Tgt Ion:228 Resp: 22574  
Ion Ratio Lower Upper  
228 100  
229 22.9 16.0 24.0  
226 29.7 22.2 33.2





#22  
Chrysene  
Concen: 0.097 ng/ul  
RT: 21.691 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

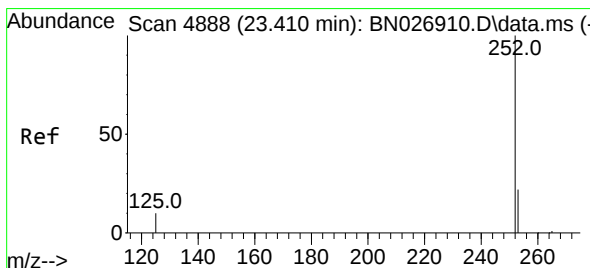
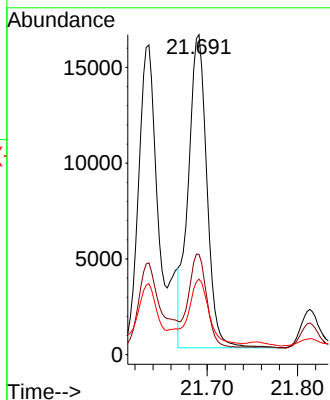
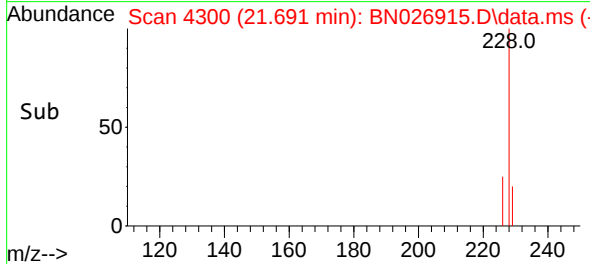
Instrument :  
BNA\_N  
ClientSampleId :  
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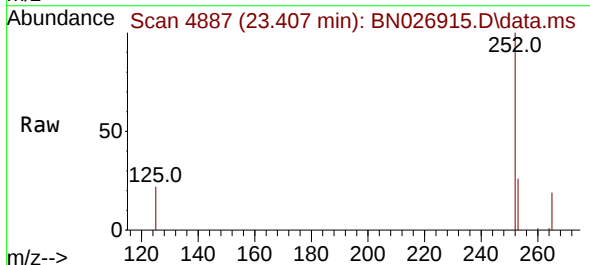
Tgt Ion:228 Resp: 23495  
Ion Ratio Lower Upper  
228 100  
226 31.4 24.6 36.8  
229 23.6 15.8 23.6

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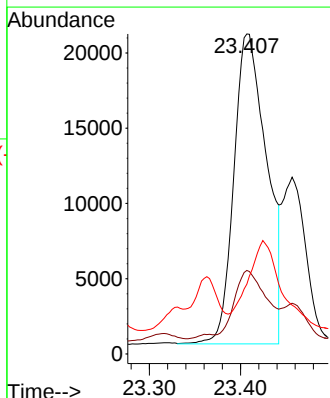
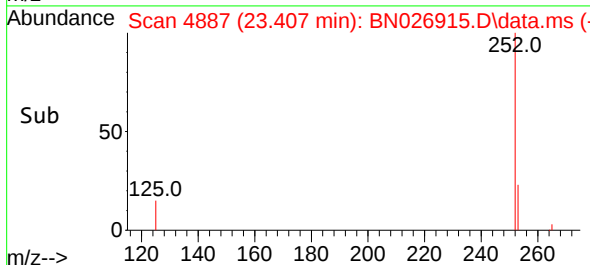
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023

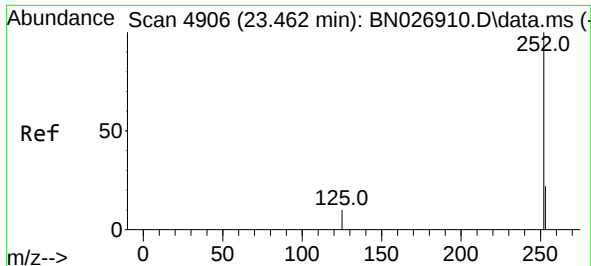


#24  
Benzo(b)fluoranthene  
Concen: 0.224 ng/ul m  
RT: 23.407 min Scan# 4887  
Delta R.T. -0.015 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21



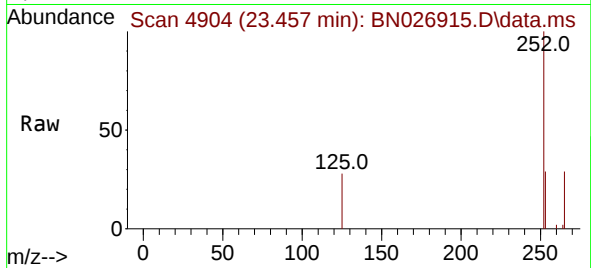
Tgt Ion:252 Resp: 51661  
Ion Ratio Lower Upper  
252 100  
253 26.1 0.0 46.8  
125 21.8 0.0 25.2





#25  
Benzo(k)fluoranthene  
Concen: 0.087 ng/ul m  
RT: 23.457 min Scan# 4906  
Delta R.T. -0.017 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

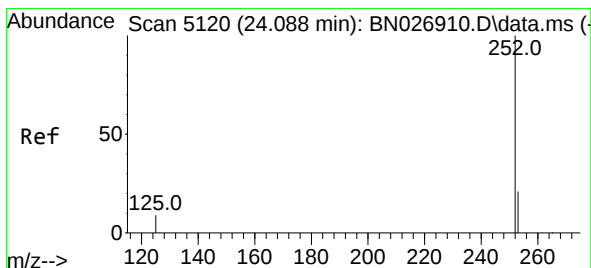
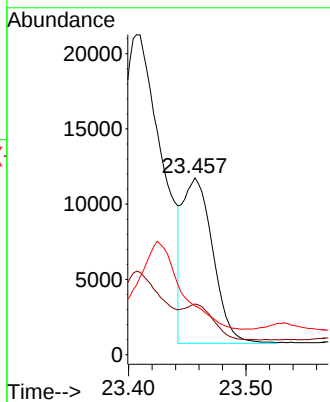
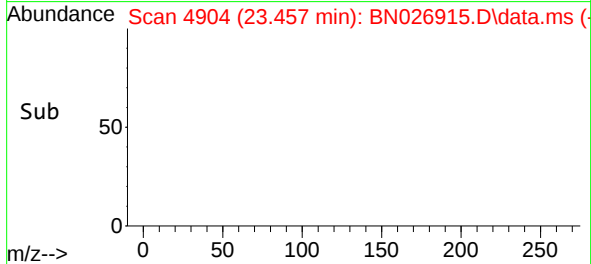
Instrument :  
BNA\_N  
ClientSampleId :  
A48K7



Tgt Ion:252 Resp: 19740  
Ion Ratio Lower Upper  
252 100  
253 28.7 18.2 27.4  
125 27.6 9.9 14.9

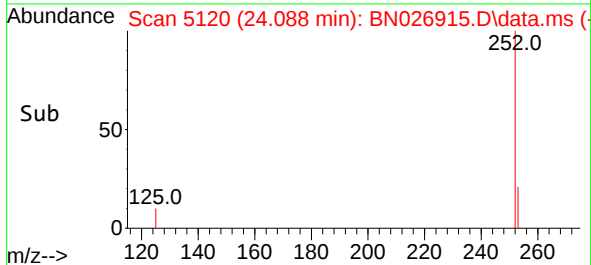
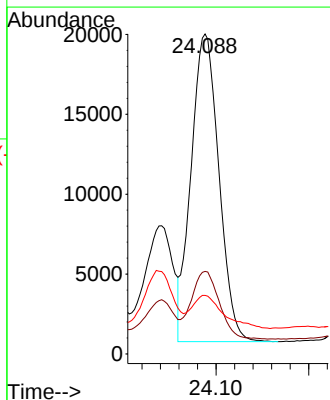
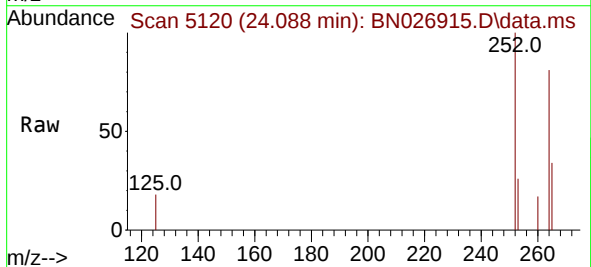
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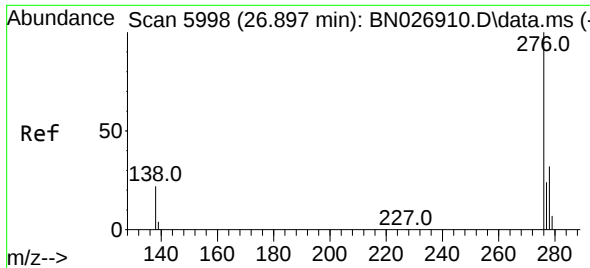
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#26  
Benzo(a)pyrene  
Concen: 0.193 ng/ul  
RT: 24.088 min Scan# 5120  
Delta R.T. -0.012 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

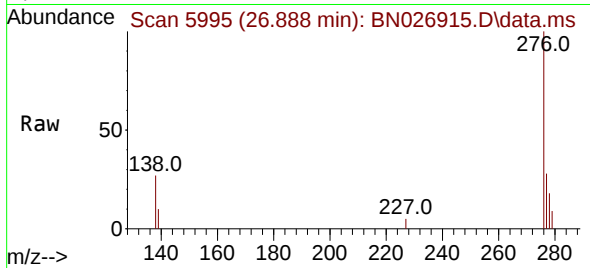
Tgt Ion:252 Resp: 40154  
Ion Ratio Lower Upper  
252 100  
253 25.8 19.0 28.6  
125 18.3 11.4 17.0





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.097 ng/ul  
RT: 26.888 min Scan# 5998  
Delta R.T. -0.020 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21

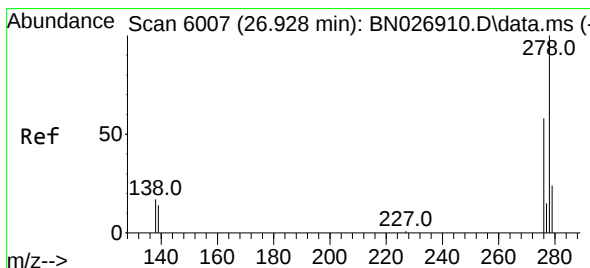
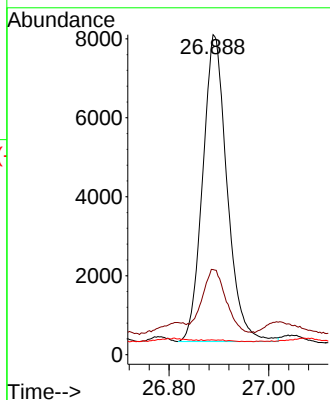
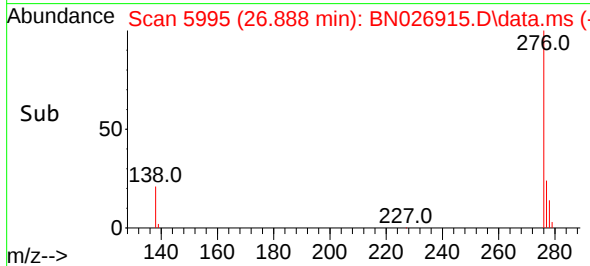
Instrument :  
BNA\_N  
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A48K7



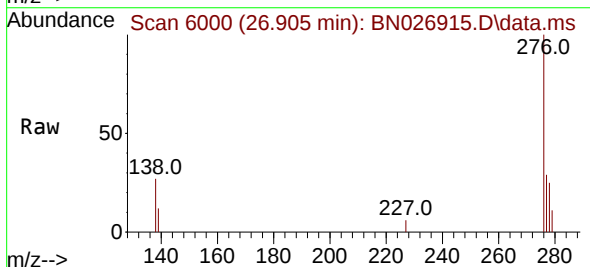
Tgt Ion: 276 Resp: 26319  
Ion Ratio Lower Upper  
276 100  
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227 0.0 0.0 0.0

Manual Integrations  
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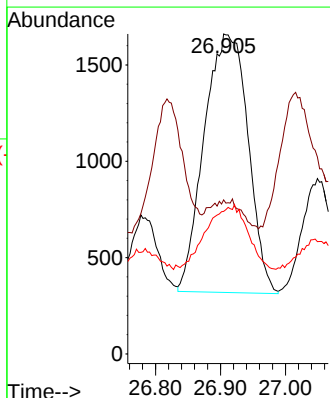
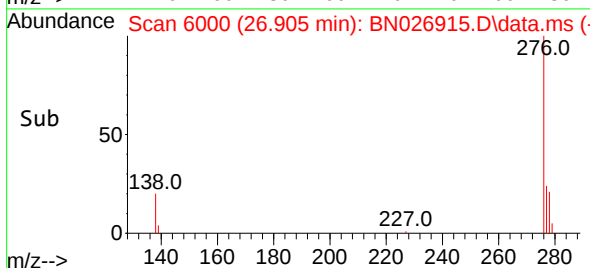
Reviewed By : Yogesh Patel 08/16/2023  
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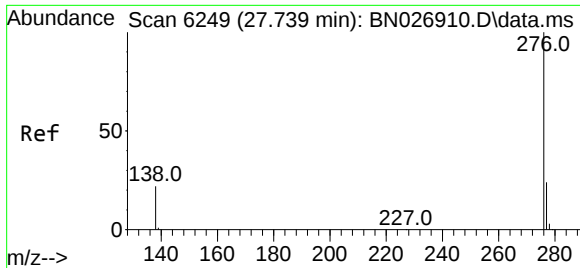


#28  
Dibenzo(a,h)anthracene  
Concen: 0.029 ng/ul  
RT: 26.905 min Scan# 6000  
Delta R.T. -0.033 min  
Lab File: BN026915.D  
Acq: 16 Aug 2023 00:21



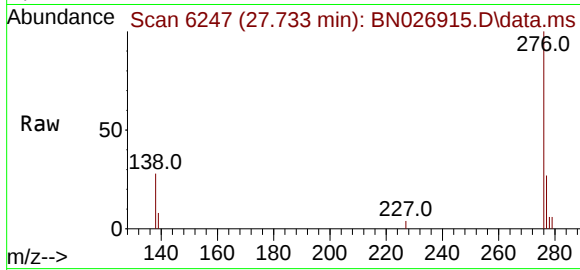
Tgt Ion: 278 Resp: 6277  
Ion Ratio Lower Upper  
278 100  
139 48.2 15.7 23.5#  
279 44.6 20.2 30.4#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.118 ng/ul  
 RT: 27.733 min Scan# 61  
 Delta R.T. -0.013 min  
 Lab File: BN026915.D  
 Acq: 16 Aug 2023 00:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48K7



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 2663 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 28.1  | 19.3  | 28.9 |
| 277       | 26.7  | 19.8  | 29.8 |

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