

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112723\  
 Data File : BN028877.D  
 Acq On : 27 Nov 2023 13:40  
 Operator : MA/JU  
 Sample : 05261-15  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCKR8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023  
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 28 04:01:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 21 23:49:43 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.749  | 152  | 5467     | 0.400 | ng/ul  | # 0.01   |
| 4) Naphthalene-d8           | 10.429 | 136  | 17518m   | 0.400 | ng/ul  | -0.03    |
| 9) Acenaphthene-d10         | 14.288 | 164  | 9021     | 0.400 | ng/ul  | #-0.01   |
| 13) Phenanthrene-d10        | 17.047 | 188  | 15667    | 0.400 | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.266 | 240  | 11505    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.540 | 264  | 13263    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.104  | 96   | 14806m   | 2.450 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.041 | 152  | 3496     | 0.133 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 19.085 | 212  | 6344     | 0.171 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.473 | 128  | 44680    | 0.910 | ng/ul# | 78       |
| 7) 2-Methylnaphthalene      | 12.107 | 142  | 29829    | 0.922 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.321 | 142  | 11821    | 0.360 | ng/ul  | 99       |
| 12) Fluorene                | 15.348 | 166  | 1039     | 0.027 | ng/ul# | 84       |
| 15) Phenanthrene            | 17.090 | 178  | 8782     | 0.182 | ng/ul# | 86       |
| 19) Fluoranthene            | 19.117 | 202  | 5086     | 0.104 | ng/ul# | 82       |
| 20) Pyrene                  | 19.480 | 202  | 5787     | 0.114 | ng/ul# | 76       |
| 21) Benzo(a)anthracene      | 21.255 | 228  | 1086     | 0.024 | ng/ul# | 4        |
| 22) Chrysene                | 21.278 | 228  | 4174m    | 0.094 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.880 | 276  | 1310     | 0.025 | ng/ul# | 45       |
| 29) Benzo(g,h,i)perylene    | 26.585 | 276  | 1509     | 0.035 | ng/ul# | 1        |
| -----                       |        |      |          |       |        |          |

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

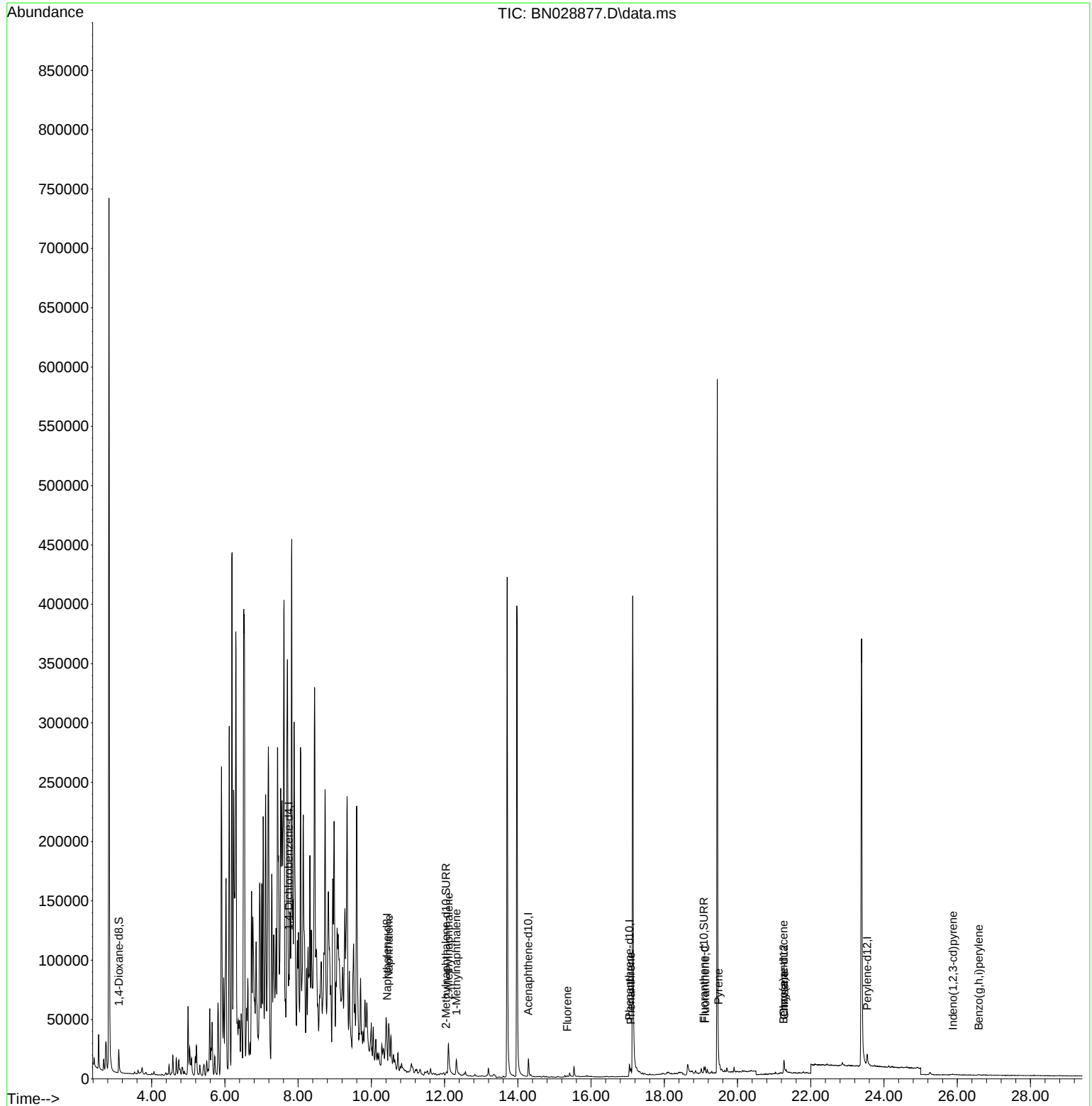
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112723\  
Data File : BN028877.D  
Acq On : 27 Nov 2023 13:40  
Operator : MA/JU  
Sample : 05261-15  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

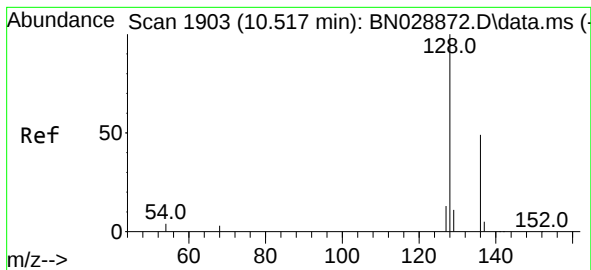
Instrument :  
BNA\_N  
ClientSampleId :  
DCKR8

Manual Integrations  
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Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023

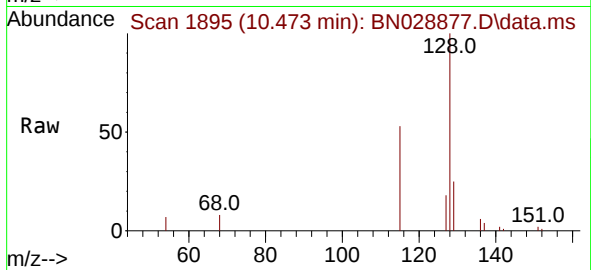
Quant Time: Nov 28 04:01:55 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 21 23:49:43 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.910 ng/ul  
RT: 10.473 min Scan# 1895  
Delta R.T. -0.033 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

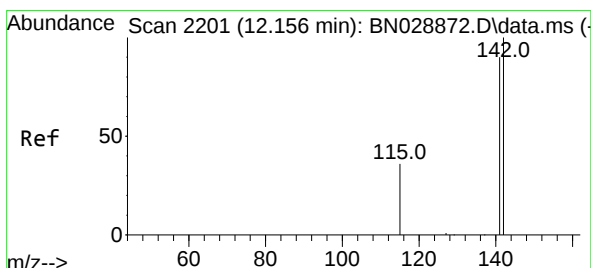
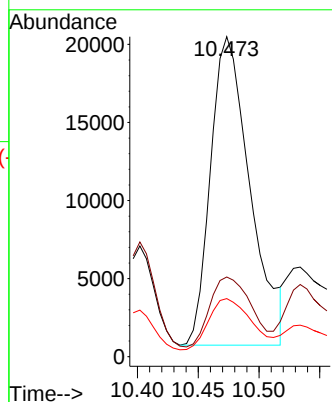
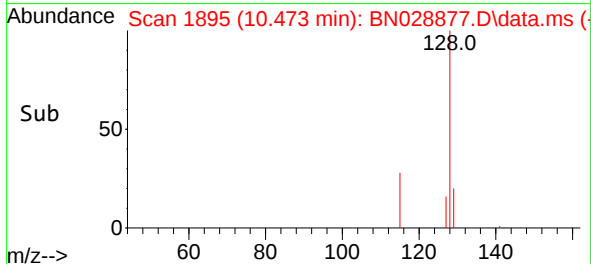
Instrument :  
BNA\_N  
ClientSampleId :  
DCKR8



Tgt Ion:128 Resp: 44680  
Ion Ratio Lower Upper  
128 100  
129 24.9 9.2 13.8  
127 18.2 10.7 16.1

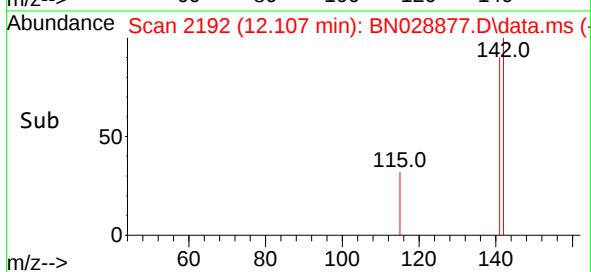
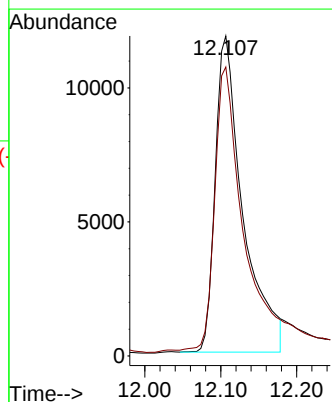
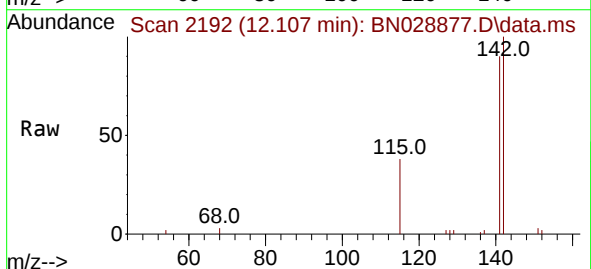
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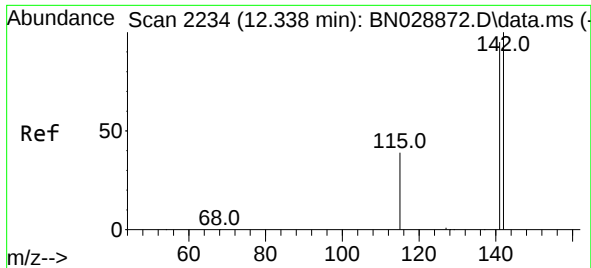
Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023



#7  
2-Methylnaphthalene  
Concen: 0.922 ng/ul  
RT: 12.107 min Scan# 2192  
Delta R.T. -0.033 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

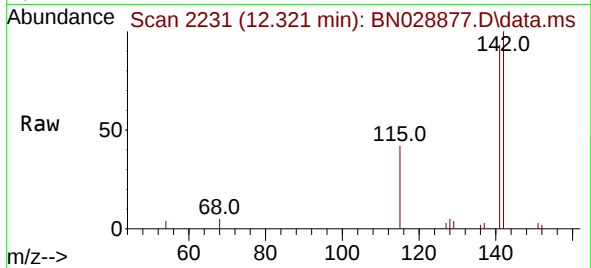
Tgt Ion:142 Resp: 29829  
Ion Ratio Lower Upper  
142 100  
141 92.8 70.8 106.2





#8  
1-Methylnaphthalene  
Concen: 0.360 ng/ul  
RT: 12.321 min Scan# 211  
Delta R.T. -0.016 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

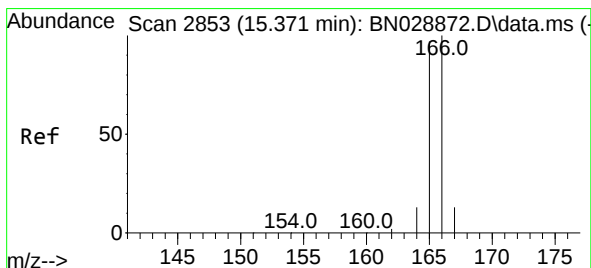
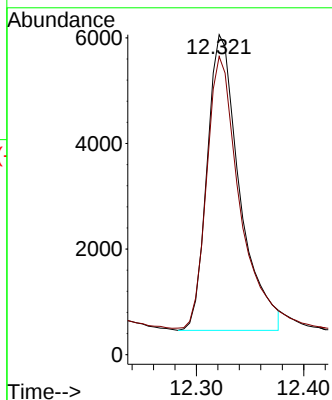
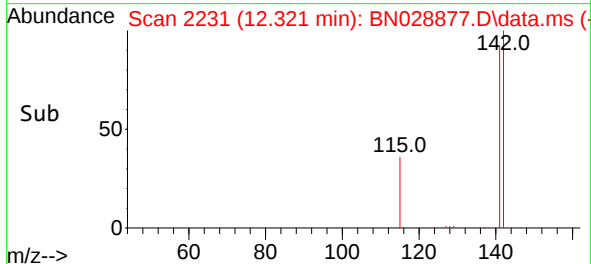
Instrument :  
BNA\_N  
ClientSampleId :  
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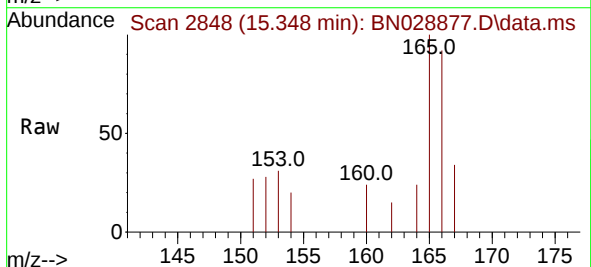
Tgt Ion:142 Resp: 1182  
Ion Ratio Lower Upper  
142 100  
141 91.8 74.1 111.1

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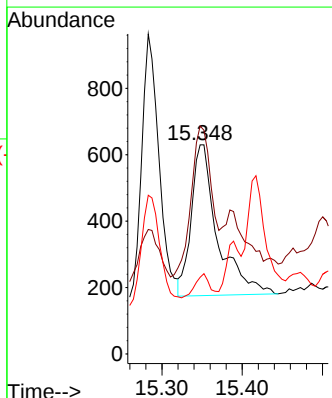
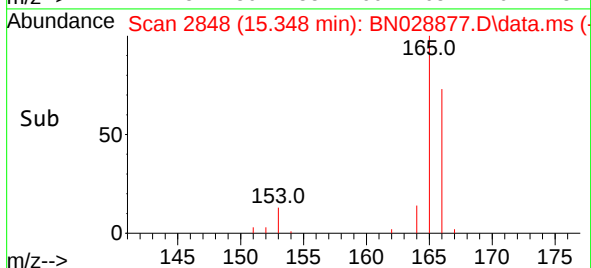
Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023

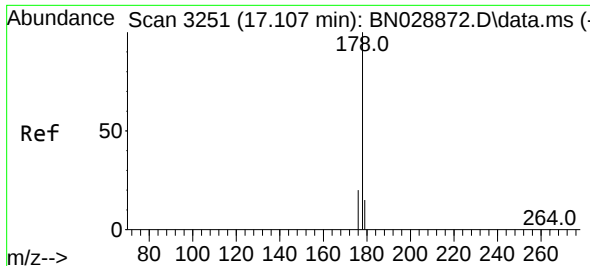


#12  
Fluorene  
Concen: 0.027 ng/ul  
RT: 15.348 min Scan# 2848  
Delta R.T. -0.019 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40



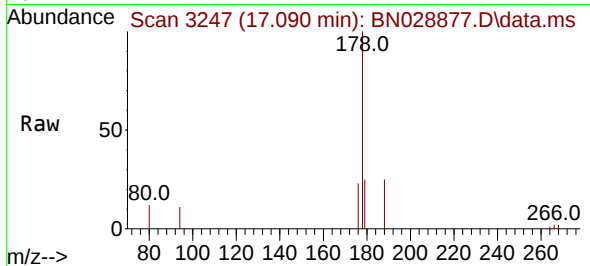
Tgt Ion:166 Resp: 1039  
Ion Ratio Lower Upper  
166 100  
165 109.0 78.6 118.0  
167 36.7 11.0 16.6#





#15  
Phenanthrene  
Concen: 0.182 ng/ul  
RT: 17.090 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

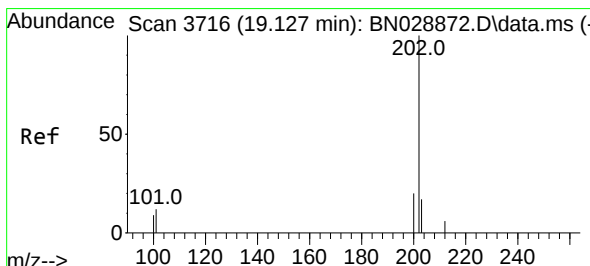
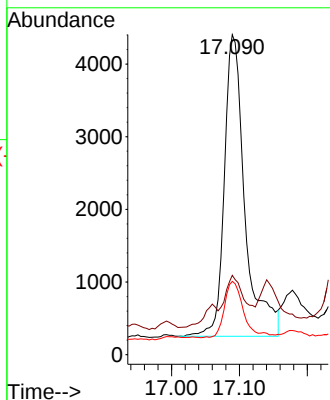
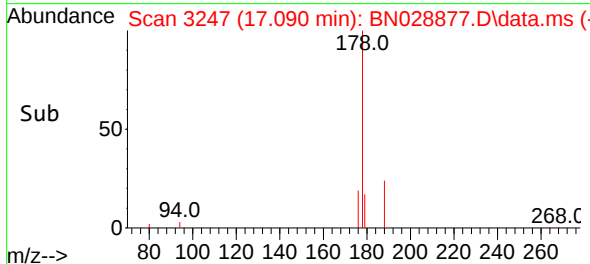
Instrument :  
BNA\_N  
ClientSampleId :  
DCKR8



Tgt Ion:178 Resp: 878  
Ion Ratio Lower Upper  
178 100  
179 24.8 12.4 18.6  
176 22.9 15.4 23.2

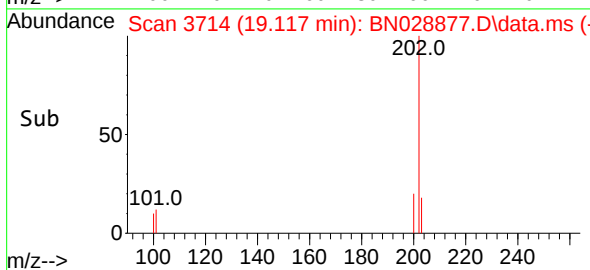
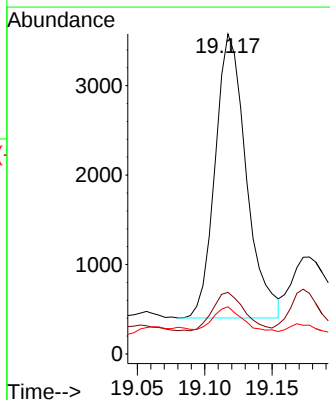
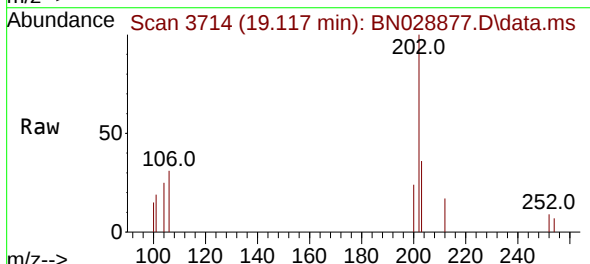
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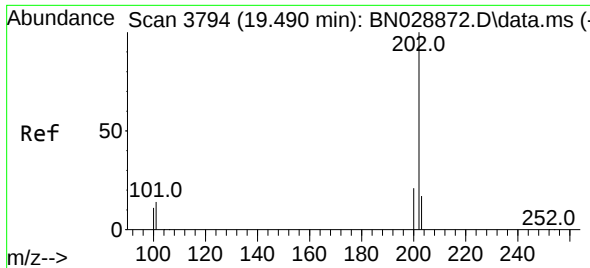
Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023



#19  
Fluoranthene  
Concen: 0.104 ng/ul  
RT: 19.117 min Scan# 3714  
Delta R.T. -0.005 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

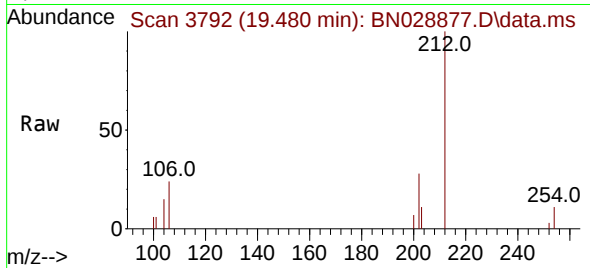
Tgt Ion:202 Resp: 5086  
Ion Ratio Lower Upper  
202 100  
101 19.3 9.5 14.3#  
100 14.8 7.2 10.8#





#20  
Pyrene  
Concen: 0.114 ng/ul  
RT: 19.480 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

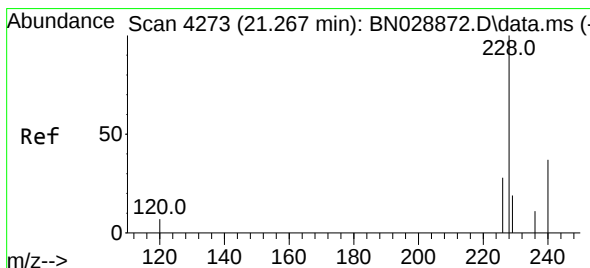
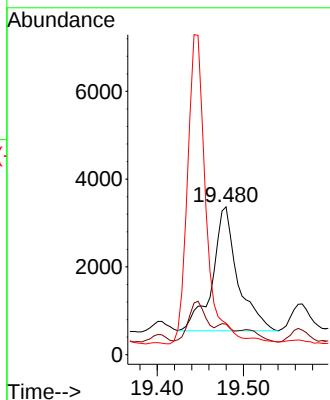
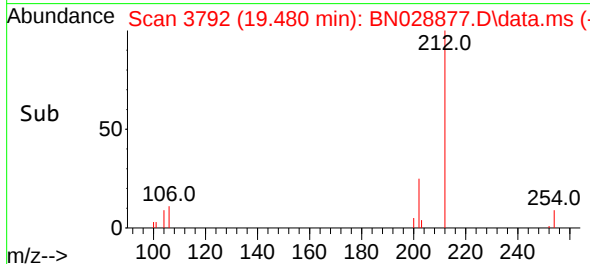
Instrument :  
BNA\_N  
ClientSampleId :  
DCKR8



Tgt Ion:202 Resp: 578  
Ion Ratio Lower Upper  
202 100  
101 20.7 10.3 15.5#  
100 21.3 8.2 12.2#

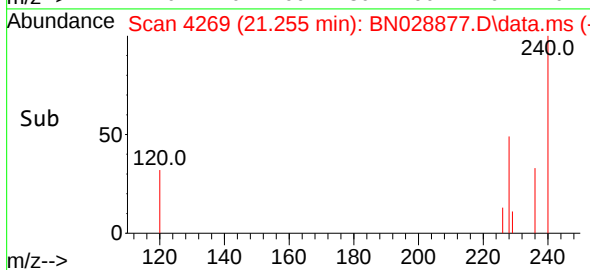
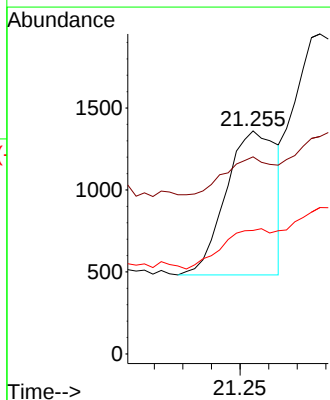
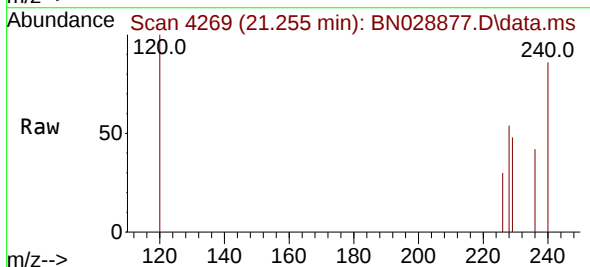
Manual Integrations  
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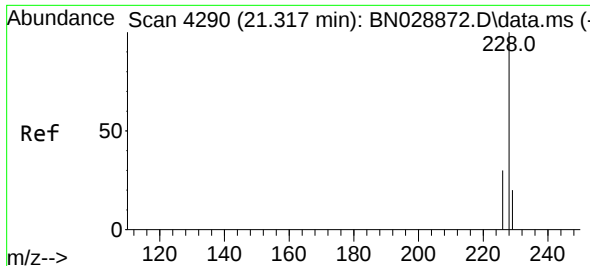
Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023



#21  
Benzo(a)anthracene  
Concen: 0.024 ng/ul  
RT: 21.255 min Scan# 4269  
Delta R.T. -0.001 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

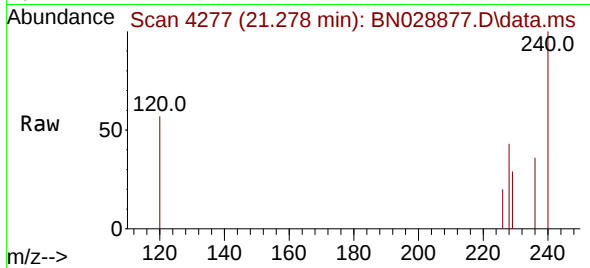
Tgt Ion:228 Resp: 1086  
Ion Ratio Lower Upper  
228 100  
229 88.4 15.7 23.5#  
226 55.4 21.4 32.0#





#22  
Chrysene  
Concen: 0.094 ng/ul m  
RT: 21.278 min Scan# 4290  
Delta R.T. -0.027 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

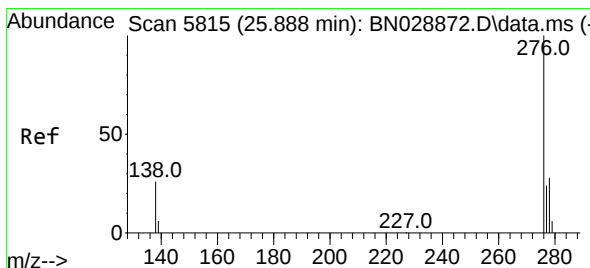
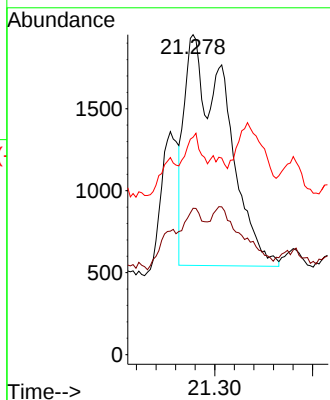
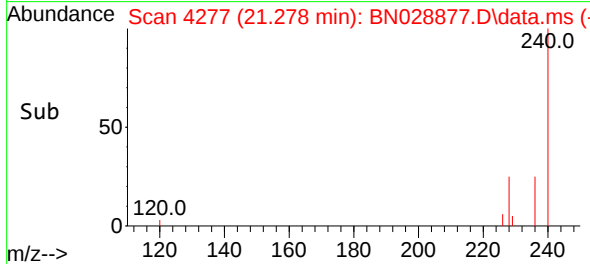
Instrument :  
BNA\_N  
ClientSampleId :  
DCKR8



Tgt Ion:228 Resp: 4174  
Ion Ratio Lower Upper  
228 100  
226 45.7 23.8 35.8#  
229 67.9 15.4 23.2#

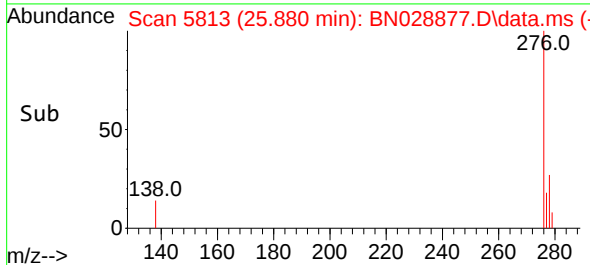
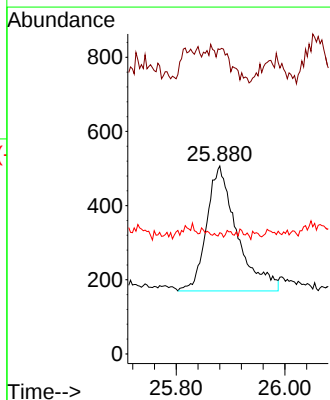
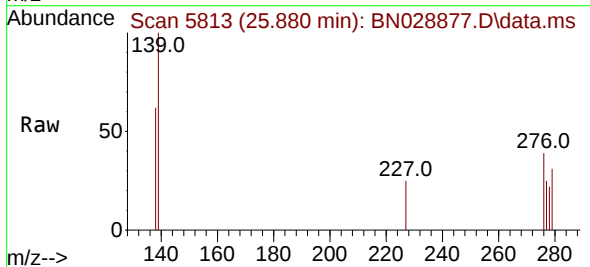
Manual Integrations  
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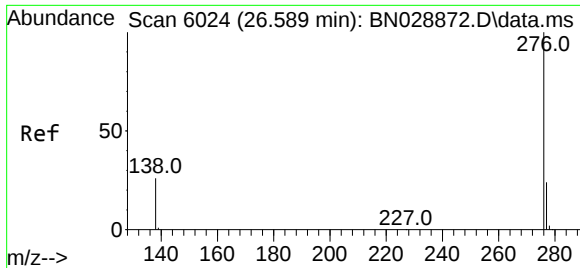
Reviewed By :Yogesh Patel 11/28/2023  
Supervised By :mohammad ahmed 11/28/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.025 ng/ul  
RT: 25.880 min Scan# 5813  
Delta R.T. 0.006 min  
Lab File: BN028877.D  
Acq: 27 Nov 2023 13:40

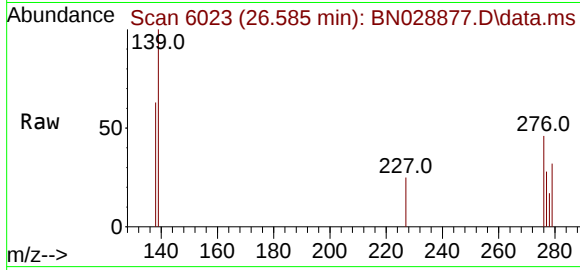
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Ion Ratio Lower Upper  
276 100  
138 0.0 23.8 35.6#  
227 0.3 0.1 0.1#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.035 ng/ul  
 RT: 26.585 min Scan# 60  
 Delta R.T. 0.006 min  
 Lab File: BN028877.D  
 Acq: 27 Nov 2023 13:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCKR8



Tgt Ion: 276 Resp: 1509

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 137.5 | 20.5  | 30.7  |
| 277 | 60.6  | 19.4  | 29.0  |

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