

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111524\  
 Data File : BN035126.D  
 Acq On : 16 Nov 2024 03:50  
 Operator : RC/JU  
 Sample : P4761-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A0AL7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024  
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 16 04:30:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 00:41:17 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.549  | 152  | 3406     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.311 | 136  | 9503     | 0.400 | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.185 | 164  | 7124     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.937 | 188  | 13563m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.134 | 240  | 9998     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.296 | 264  | 10561m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.140  | 96   | 13728    | 4.236 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.906 | 152  | 4201     | 0.289 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.972 | 212  | 11151    | 0.434 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.361 | 128  | 1504     | 0.063 | ng/ul# | 77       |
| 7) 2-Methylnaphthalene      | 11.983 | 142  | 655      | 0.037 | ng/ul  | 90       |
| 8) 1-Methylnaphthalene      | 12.203 | 142  | 6345     | 0.356 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.249 | 153  | 14032    | 0.636 | ng/ul  | 97       |
| 12) Fluorene                | 15.239 | 166  | 11862    | 0.423 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.979 | 178  | 28193    | 0.778 | ng/ul  | 98       |
| 16) Anthracene              | 17.068 | 178  | 5714     | 0.168 | ng/ul# | 84       |
| 19) Fluoranthene            | 19.000 | 202  | 8348     | 0.250 | ng/ul# | 85       |
| 20) Pyrene                  | 19.367 | 202  | 5289m    | 0.153 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

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

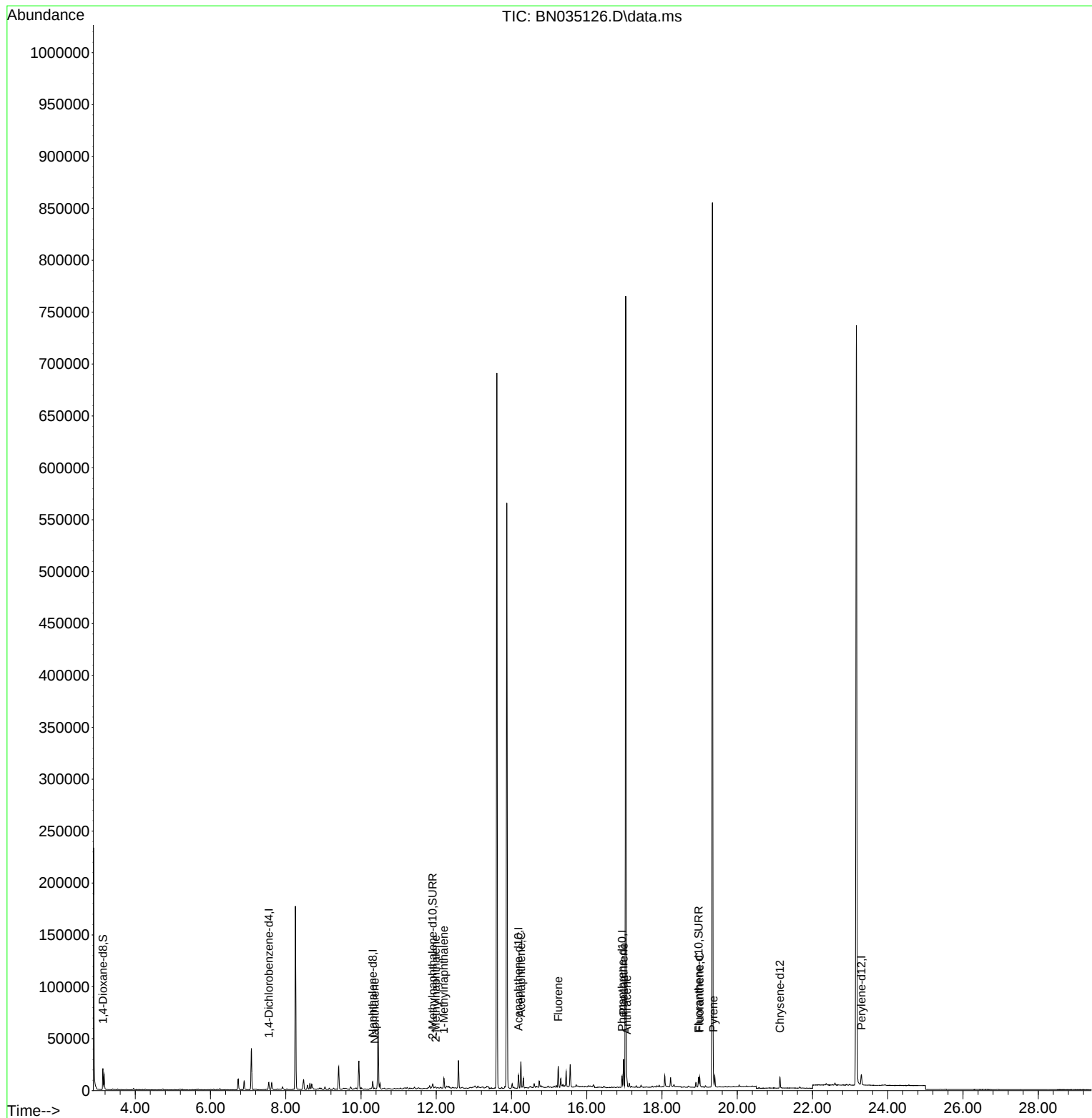
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111524\  
Data File : BN035126.D  
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ALS Vial : 32 Sample Multiplier: 1

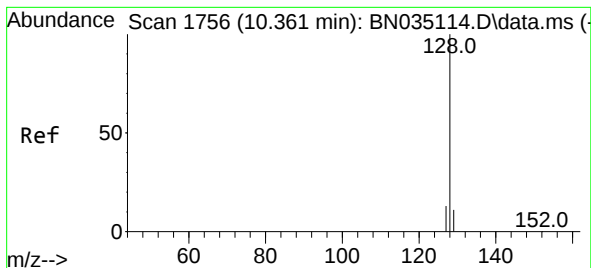
Instrument :  
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Response via : Initial Calibration





#5

Naphthalene

Concen: 0.063 ng/ul

RT: 10.361 min Scan# 1756

Delta R.T. -0.011 min

Lab File: BN035126.D

Acq: 16 Nov 2024 03:50

Instrument :

BNA\_N

ClientSampleId :

A0AL7

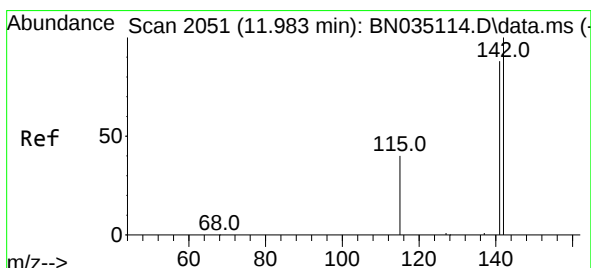
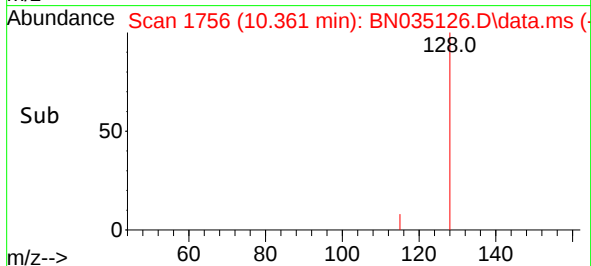
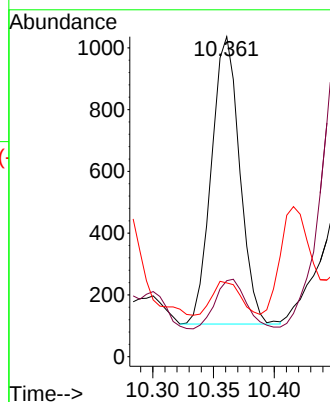
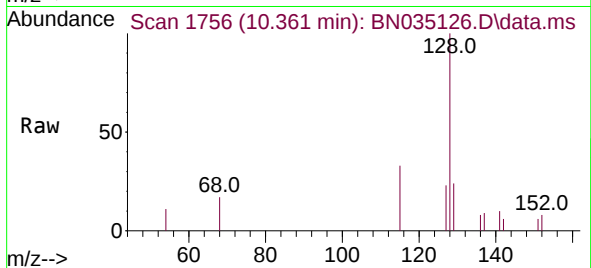
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1504 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 23.7  | 10.1  | 15.1 |
| 127       | 23.1  | 12.1  | 18.1 |

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#7

2-Methylnaphthalene

Concen: 0.037 ng/ul

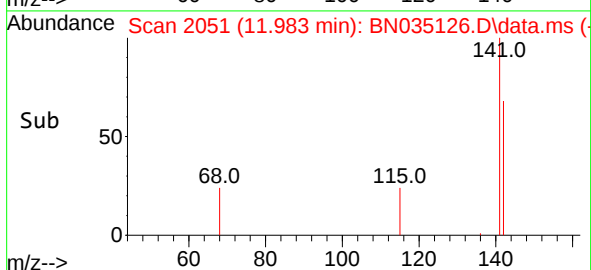
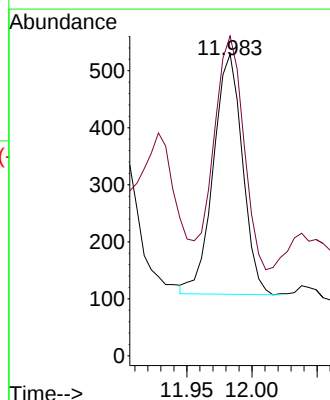
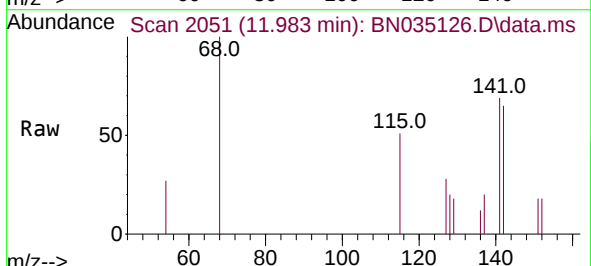
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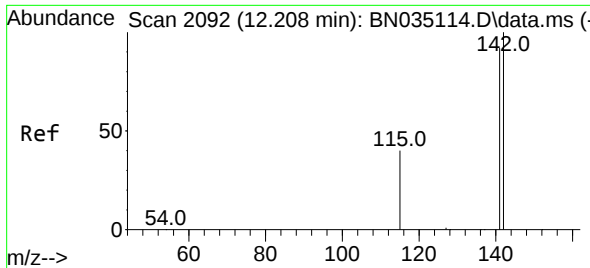
Delta R.T. -0.011 min

Lab File: BN035126.D

Acq: 16 Nov 2024 03:50

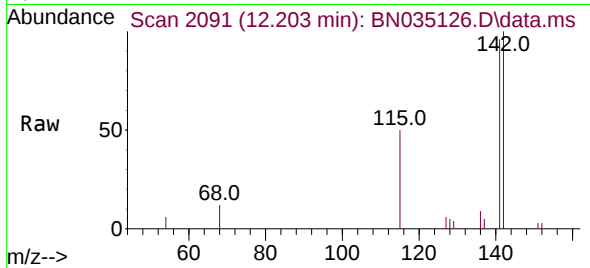
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 655   |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 97.7  | 70.8  | 106.2 |





#8  
1-Methylnaphthalene  
Concen: 0.356 ng/ul  
RT: 12.203 min Scan# 2091  
Delta R.T. -0.011 min  
Lab File: BN035126.D  
Acq: 16 Nov 2024 03:50

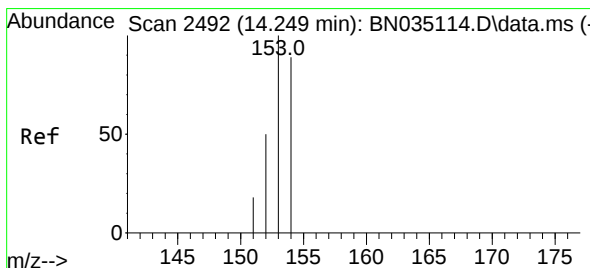
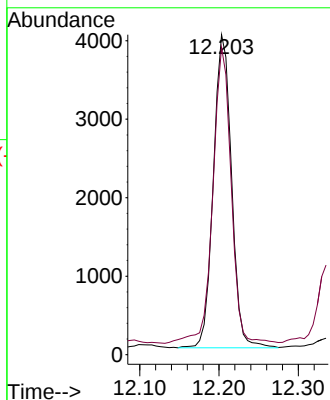
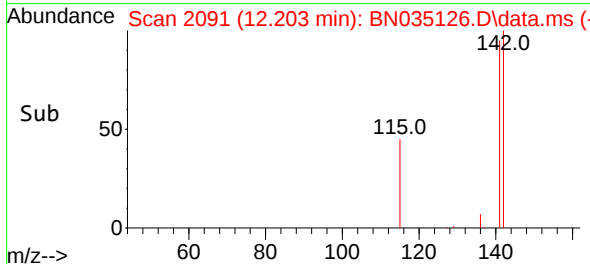
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:142 Resp: 6349  
Ion Ratio Lower Upper  
142 100  
141 95.2 74.6 111.8

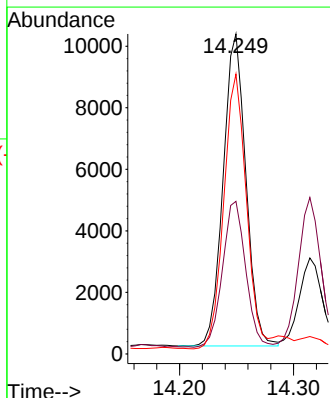
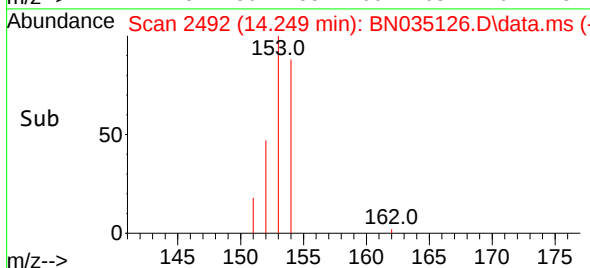
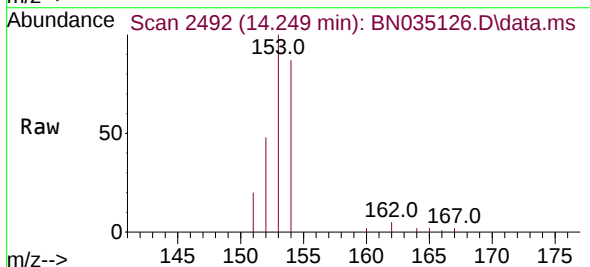
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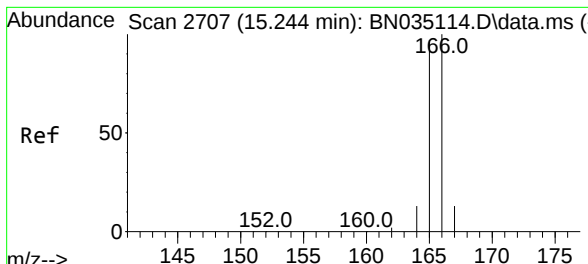
Reviewed By :Yogesh Patel 11/18/2024  
Supervised By :mohammad ahmed 11/18/2024



#11  
Acenaphthene  
Concen: 0.636 ng/ul  
RT: 14.249 min Scan# 2492  
Delta R.T. -0.009 min  
Lab File: BN035126.D  
Acq: 16 Nov 2024 03:50

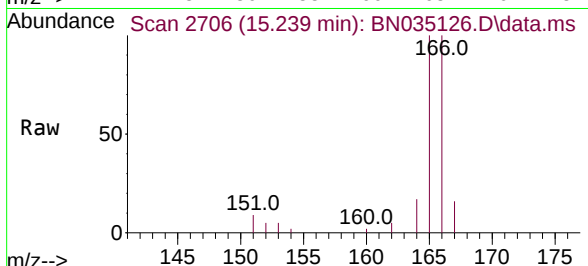
Tgt Ion:153 Resp: 14032  
Ion Ratio Lower Upper  
153 100  
152 47.7 41.5 62.3  
154 87.4 70.9 106.3





#12  
 Fluorene  
 Concen: 0.423 ng/u1  
 RT: 15.239 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BN035126.D  
 Acq: 16 Nov 2024 03:50

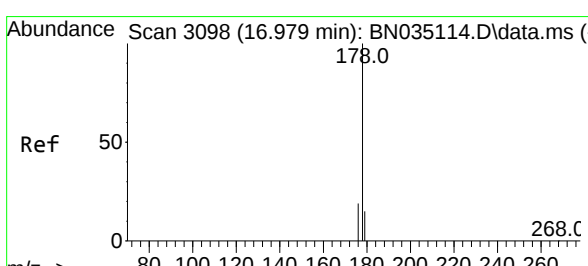
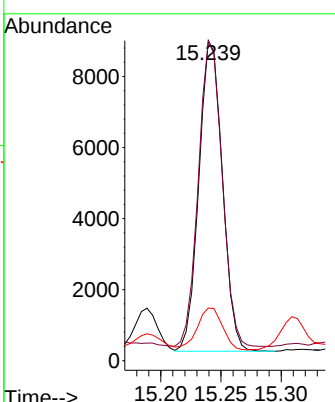
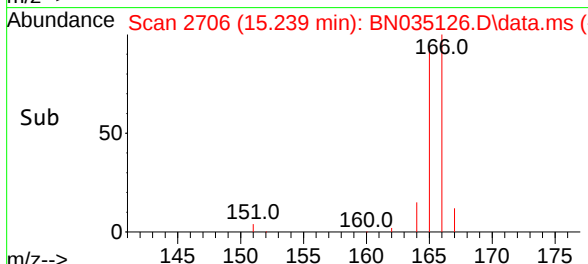
Instrument : BNA\_N  
 ClientSampleId : A0AL7



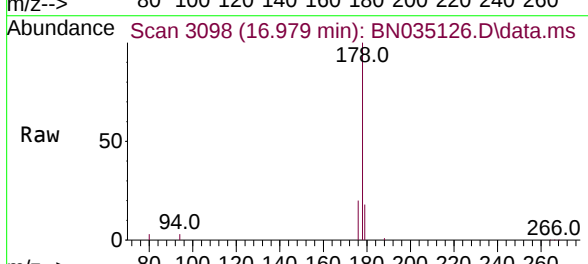
Tgt Ion:166 Resp: 1186

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 99.9  | 79.0  | 118.4 |
| 167 | 16.5  | 11.8  | 17.6  |

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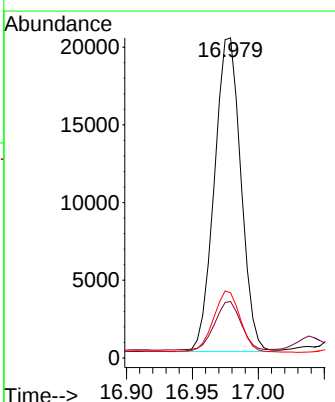
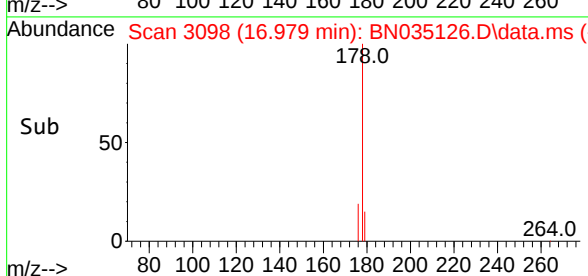


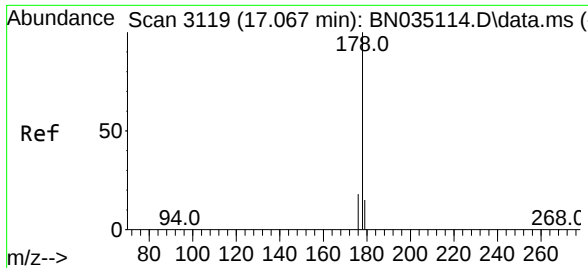
#15  
 Phenanthrene  
 Concen: 0.778 ng/u1  
 RT: 16.979 min Scan# 3098  
 Delta R.T. -0.004 min  
 Lab File: BN035126.D  
 Acq: 16 Nov 2024 03:50



Tgt Ion:178 Resp: 28193

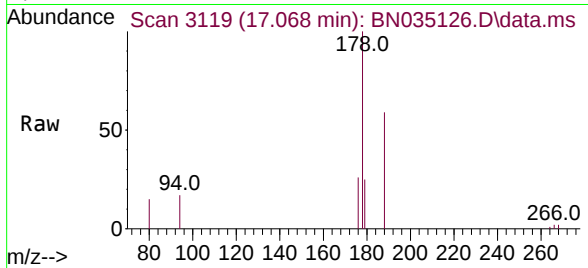
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 17.6  | 13.4  | 20.2  |
| 176 | 20.4  | 15.8  | 23.6  |





#16  
 Anthracene  
 Concen: 0.168 ng/ul  
 RT: 17.068 min Scan# 3119  
 Delta R.T. -0.004 min  
 Lab File: BN035126.D  
 Acq: 16 Nov 2024 03:50

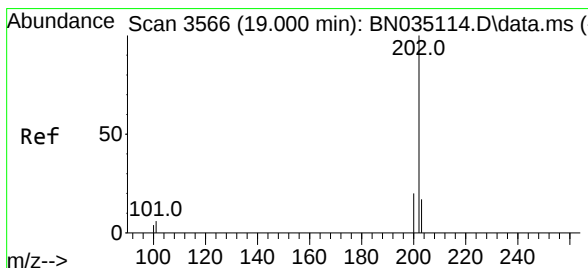
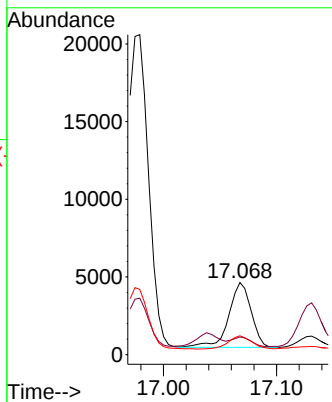
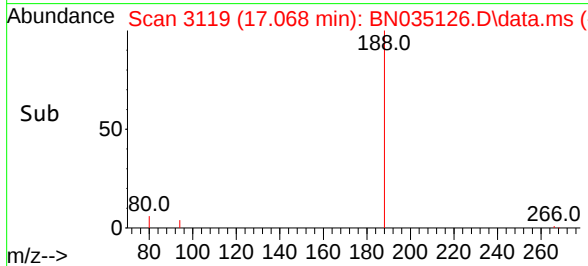
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A0AL7



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 5714 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 24.5  | 13.3  | 19.9 |
| 176       | 26.2  | 15.8  | 23.8 |

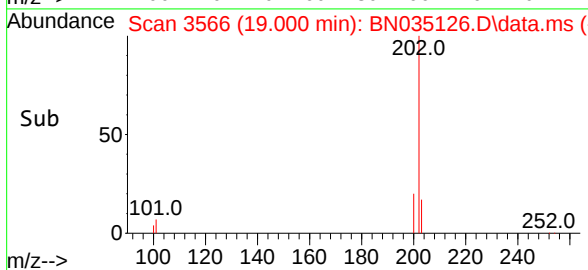
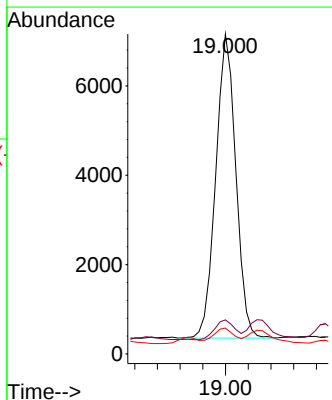
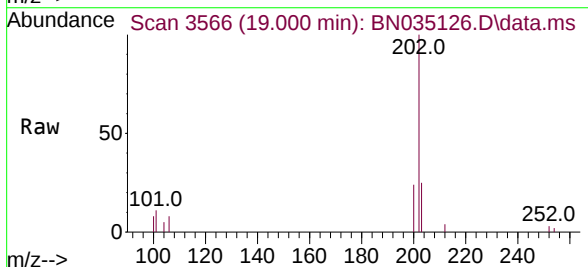
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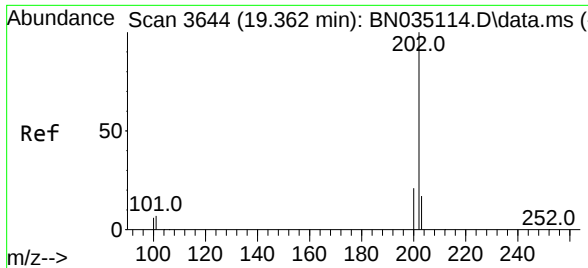
Reviewed By :Yogesh Patel 11/18/2024  
 Supervised By :mohammad ahmed 11/18/2024



#19  
 Fluoranthene  
 Concen: 0.250 ng/ul  
 RT: 19.000 min Scan# 3566  
 Delta R.T. -0.005 min  
 Lab File: BN035126.D  
 Acq: 16 Nov 2024 03:50

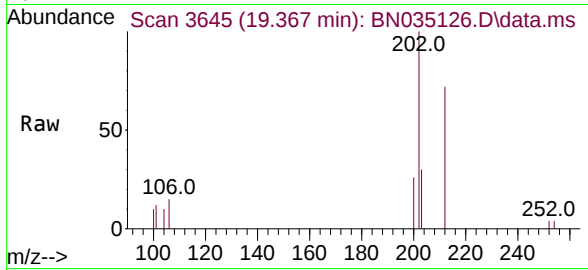
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|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8348 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.6  | 4.2   | 6.2  |
| 100       | 8.1   | 3.2   | 4.8  |





#20  
 Pyrene  
 Concen: 0.153 ng/ul m  
 RT: 19.367 min Scan# 3  
 Delta R.T. -0.000 min  
 Lab File: BN035126.D  
 Acq: 16 Nov 2024 03:50

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A0AL7



Tgt Ion:202 Resp: 5289  
 Ion Ratio Lower Upper  
 202 100  
 101 12.4 5.0 7.4  
 100 10.0 4.1 6.1

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