

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
 Data File : BM046915.D  
 Acq On : 30 Jul 2024 11:01  
 Operator : MA/JU  
 Sample : P3336-03  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F7E11

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/30/2024  
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Jul 30 13:26:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 04:18:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.451  | 152  | 2187     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.205 | 136  | 6403     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.100 | 164  | 6037     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.858 | 188  | 8197m    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.073 | 240  | 5388     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.194 | 264  | 5158m    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.084  | 96   | 5141     | 3.357 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.805 | 152  | 5391     | 0.530 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.900 | 212  | 5516     | 0.314 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.255 | 128  | 1349     | 0.083 | ng/ul# | 91       |
| 7) 2-Methylnaphthalene      | 11.882 | 142  | 915      | 0.082 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.108 | 142  | 520      | 0.045 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.160 | 153  | 1123     | 0.060 | ng/ul  | 97       |
| 12) Fluorene                | 15.159 | 166  | 1157     | 0.049 | ng/ul# | 94       |
| 15) Phenanthrene            | 16.896 | 178  | 6896     | 0.293 | ng/ul  | 100      |
| 16) Anthracene              | 16.989 | 178  | 838      | 0.038 | ng/ul# | 77       |
| 19) Fluoranthene            | 18.928 | 202  | 4919     | 0.208 | ng/ul# | 96       |
| 20) Pyrene                  | 19.295 | 202  | 3091m    | 0.126 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.058 | 228  | 832      | 0.037 | ng/ul# | 81       |
| 22) Chrysene                | 21.108 | 228  | 769      | 0.034 | ng/ul# | 73       |
| -----                       |        |      |          |       |        |          |

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

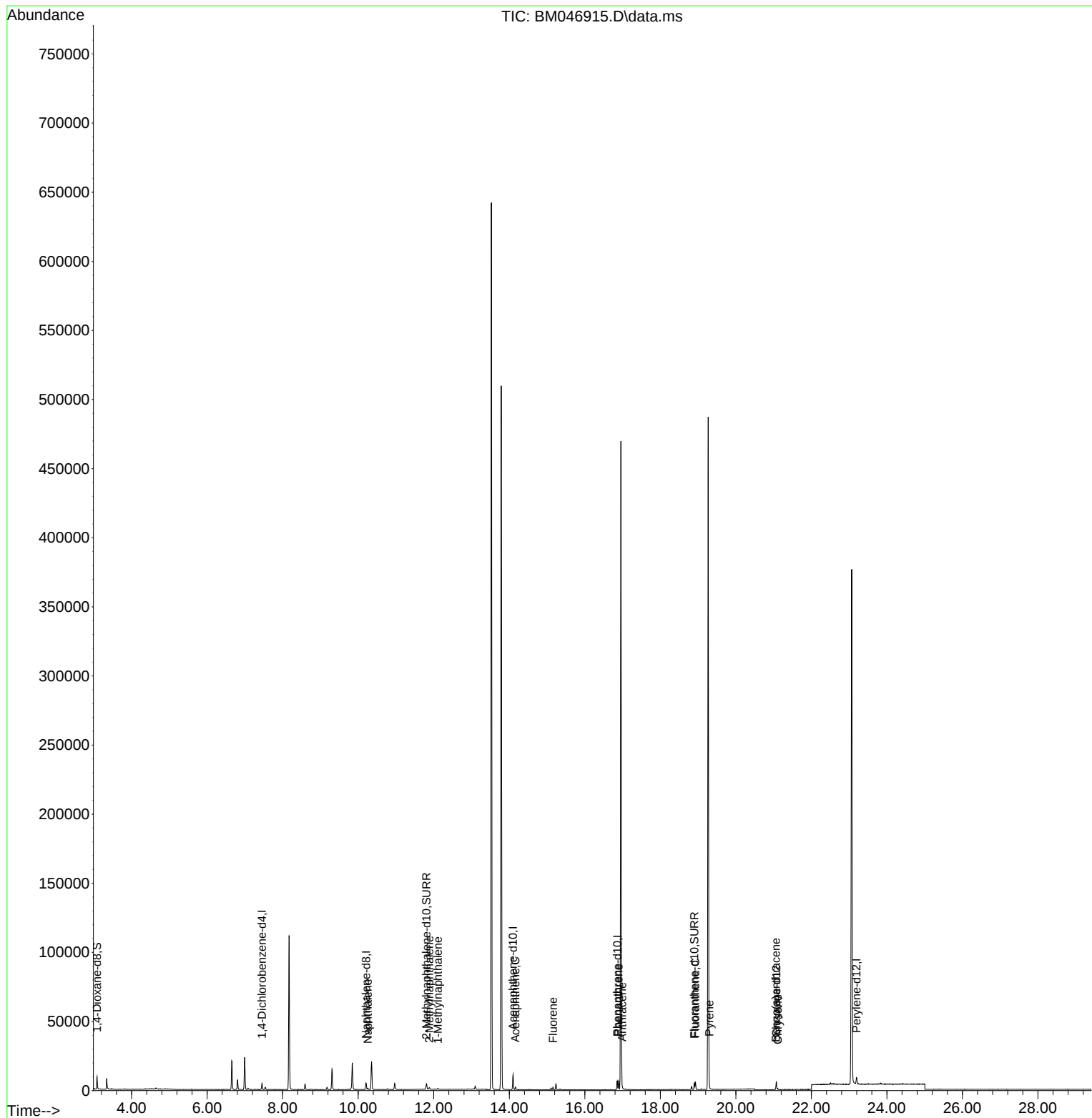
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072924\  
Data File : BM046915.D  
Acq On : 30 Jul 2024 11:01  
Operator : MA/JU  
Sample : P3336-03  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

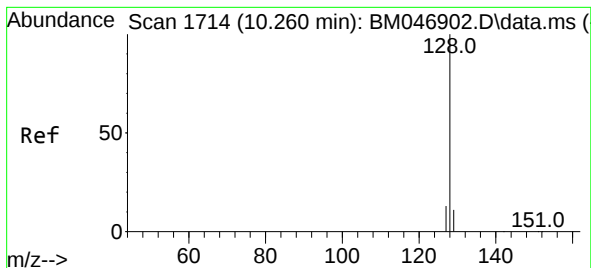
Instrument :  
BNA\_M  
ClientSampleId :  
F7E11

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Supervised By :mohammad ahmed 08/03/2024

Quant Time: Jul 30 13:26:28 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 04:18:24 2024  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.083 ng/ul

RT: 10.255 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM046915.D

Acq: 30 Jul 2024 11:01

Instrument :

BNA\_M

ClientSampleId :

F7E11

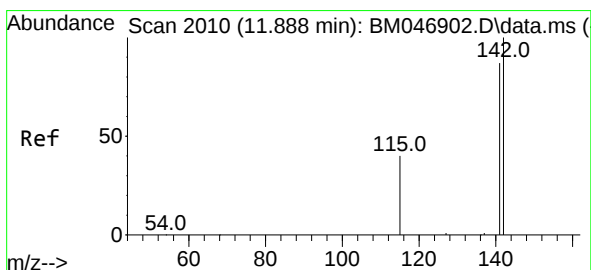
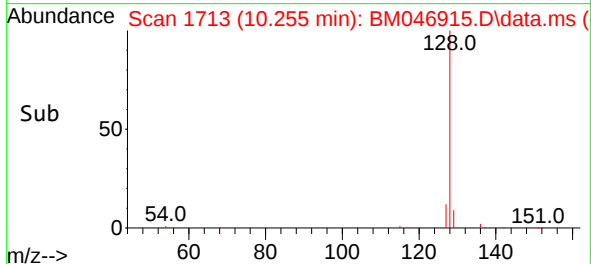
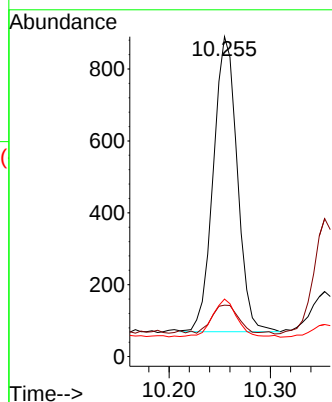
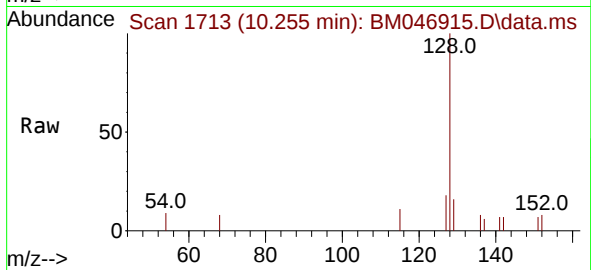
Tgt Ion:128 Resp: 1349

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 16.1  | 10.1  | 15.1  |
| 127 | 18.0  | 11.5  | 17.3  |

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#7

2-Methylnaphthalene

Concen: 0.082 ng/ul

RT: 11.882 min Scan# 2009

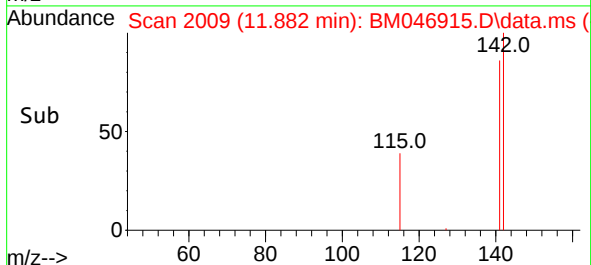
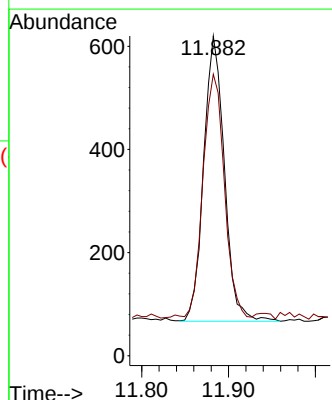
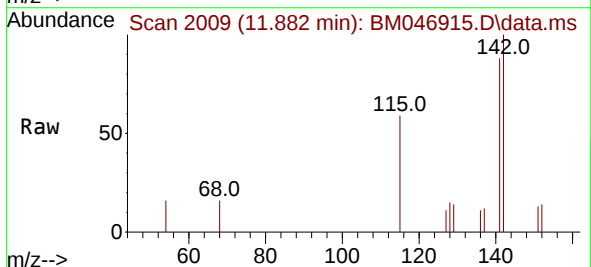
Delta R.T. -0.005 min

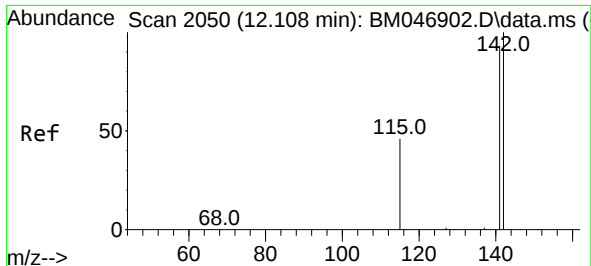
Lab File: BM046915.D

Acq: 30 Jul 2024 11:01

Tgt Ion:142 Resp: 915

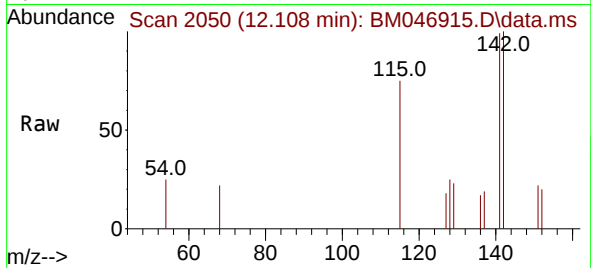
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 89.3  | 70.5  | 105.7 |





#8  
1-Methylnaphthalene  
Concen: 0.045 ng/ul  
RT: 12.108 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

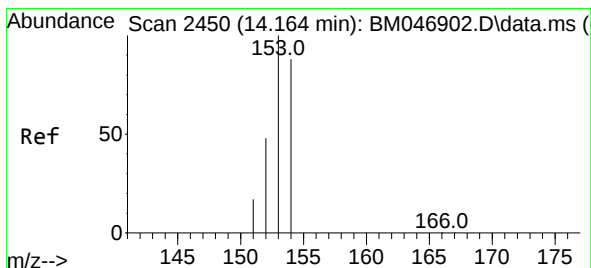
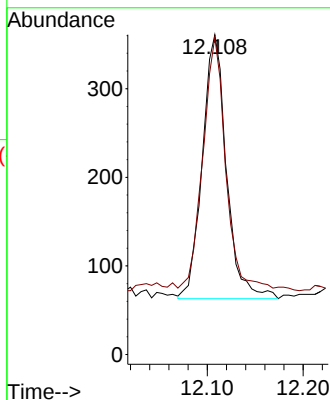
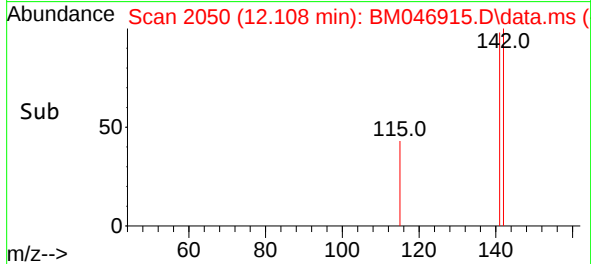
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:142 Resp: 520  
Ion Ratio Lower Upper  
142 100  
141 88.8 73.1 109.7

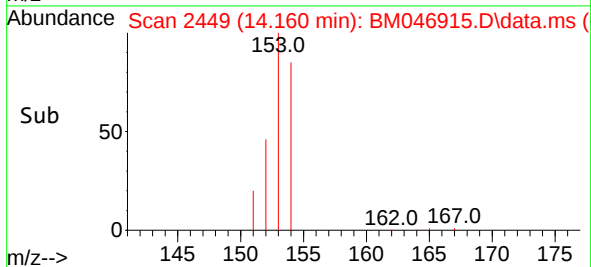
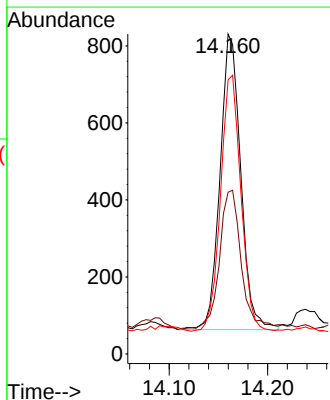
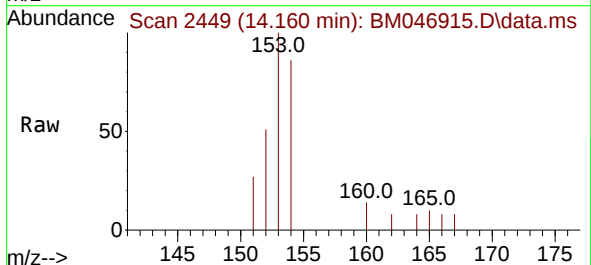
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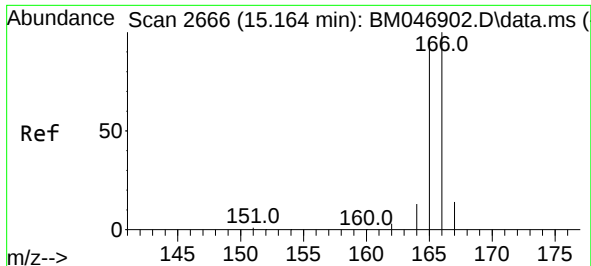
Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#11  
Acenaphthene  
Concen: 0.060 ng/ul  
RT: 14.160 min Scan# 2449  
Delta R.T. -0.005 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

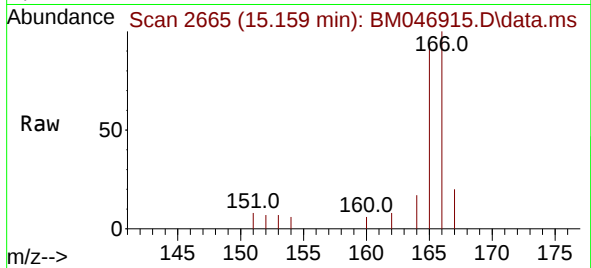
Tgt Ion:153 Resp: 1123  
Ion Ratio Lower Upper  
153 100  
152 50.5 38.6 57.8  
154 85.7 70.8 106.2





#12  
Fluorene  
Concen: 0.049 ng/ul  
RT: 15.159 min Scan# 20  
Delta R.T. -0.005 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

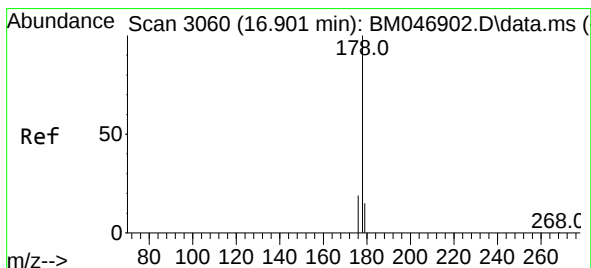
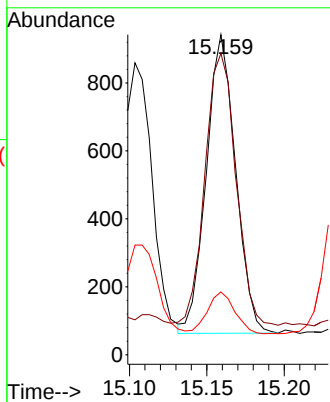
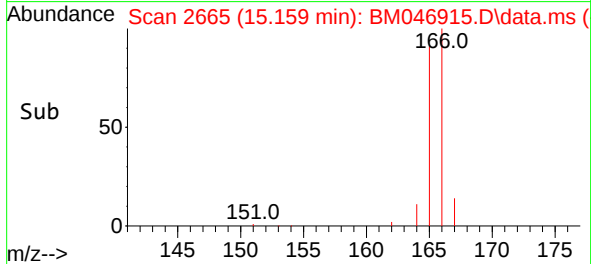
Instrument :  
BNA\_M  
ClientSampleId :  
F7E11



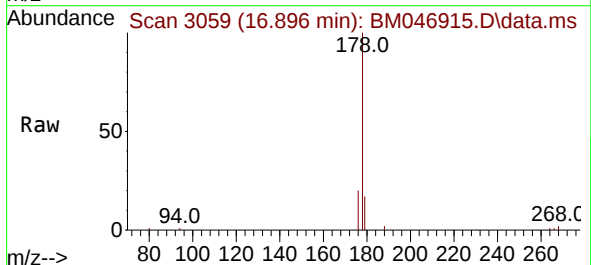
Tgt Ion:166 Resp: 115  
Ion Ratio Lower Upper  
166 100  
165 94.2 79.8 119.6  
167 19.6 12.3 18.5

Manual Integrations  
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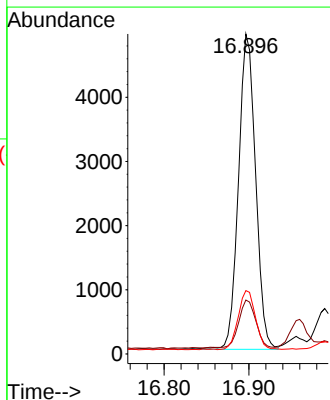
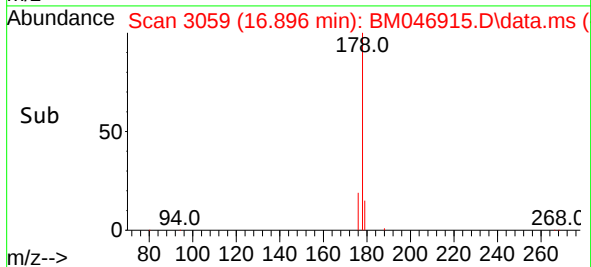
Reviewed By :Jagrut Upadhyay 07/30/2024  
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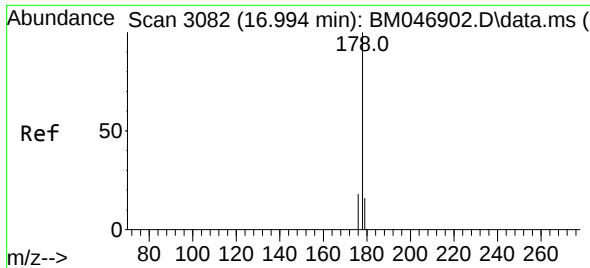


#15  
Phenanthrene  
Concen: 0.293 ng/ul  
RT: 16.896 min Scan# 3059  
Delta R.T. -0.004 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01



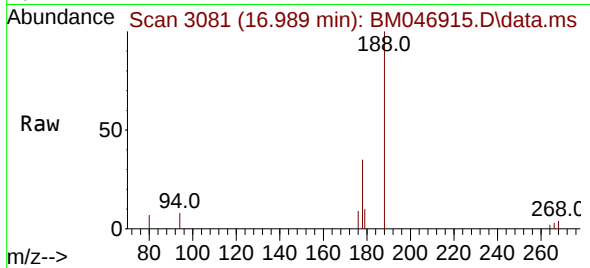
Tgt Ion:178 Resp: 6896  
Ion Ratio Lower Upper  
178 100  
179 16.8 13.4 20.2  
176 19.8 16.1 24.1





#16  
 Anthracene  
 Concen: 0.038 ng/ul  
 RT: 16.989 min Scan# 3082  
 Delta R.T. -0.004 min  
 Lab File: BM046915.D  
 Acq: 30 Jul 2024 11:01

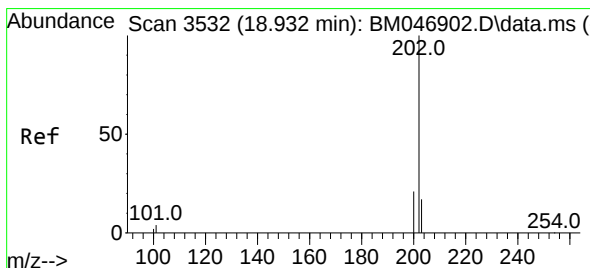
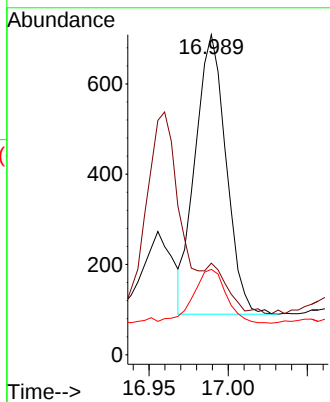
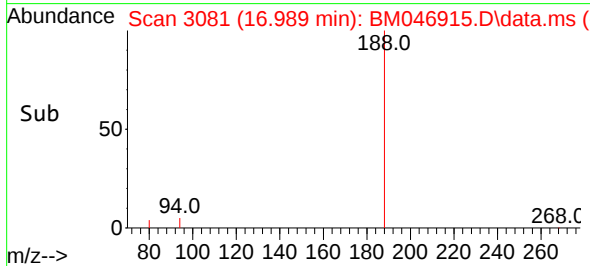
Instrument :  
 BNA\_M  
 ClientSampleId :  
 F7E11



Tgt Ion:178 Resp: 838  
 Ion Ratio Lower Upper  
 178 100  
 179 28.6 13.1 19.7  
 176 26.7 15.0 22.6

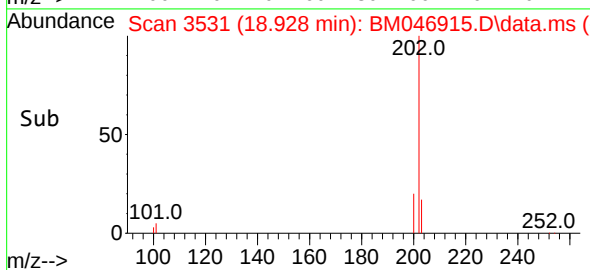
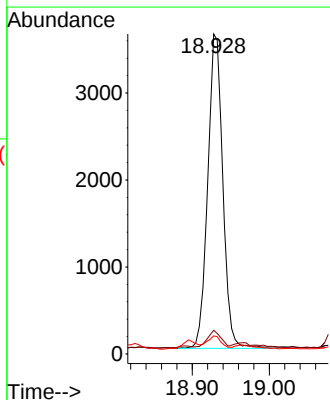
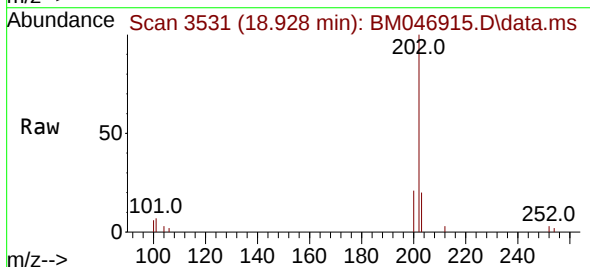
Manual Integrations  
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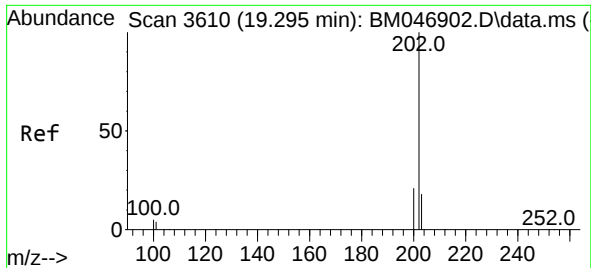
Reviewed By :Jagrut Upadhyay 07/30/2024  
 Supervised By :mohammad ahmed 08/03/2024



#19  
 Fluoranthene  
 Concen: 0.208 ng/ul  
 RT: 18.928 min Scan# 3531  
 Delta R.T. -0.005 min  
 Lab File: BM046915.D  
 Acq: 30 Jul 2024 11:01

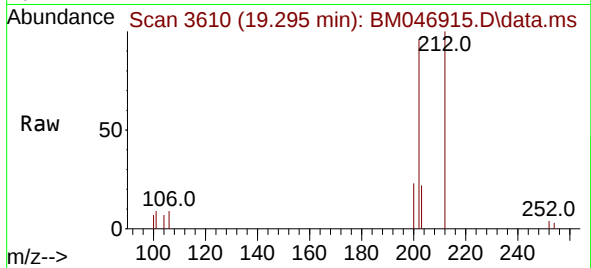
Tgt Ion:202 Resp: 4919  
 Ion Ratio Lower Upper  
 202 100  
 101 7.4 4.7 7.1#  
 100 5.7 3.4 5.2#





#20  
Pyrene  
Concen: 0.126 ng/ul m  
RT: 19.295 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

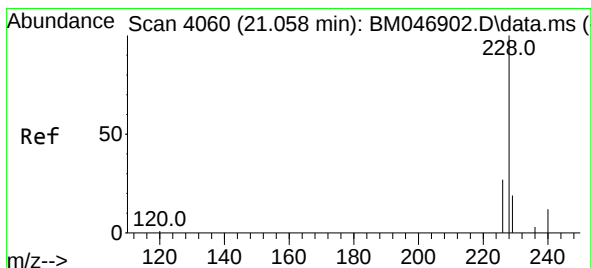
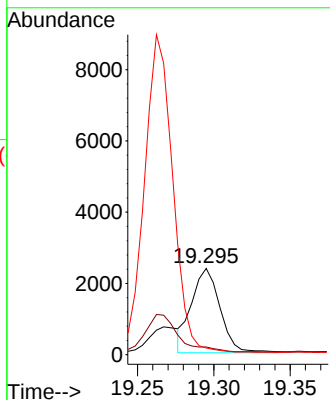
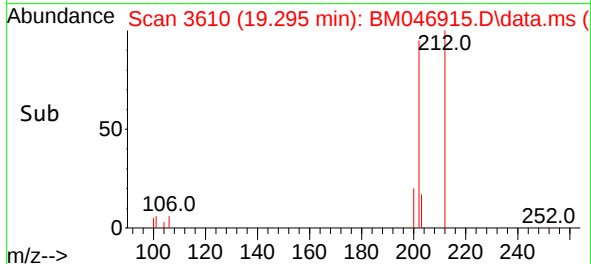
Instrument :  
BNA\_M  
ClientSampleId :  
F7E11



Tgt Ion:202 Resp: 309  
Ion Ratio Lower Upper  
202 100  
101 9.0 5.2 7.8  
100 7.7 4.3 6.5

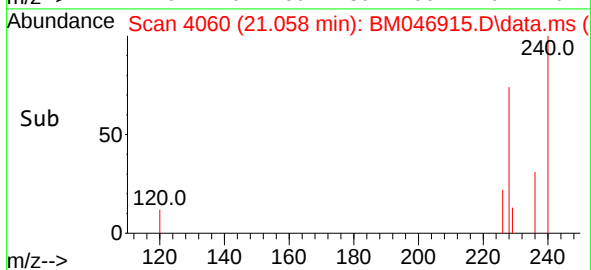
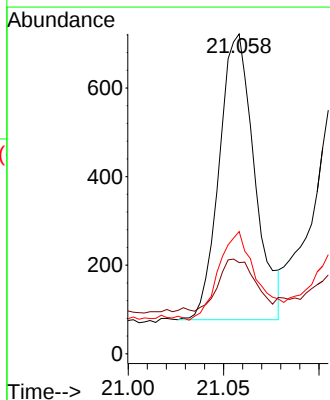
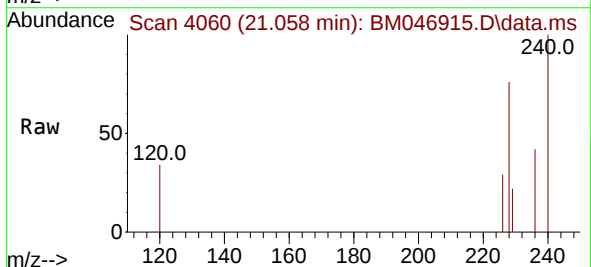
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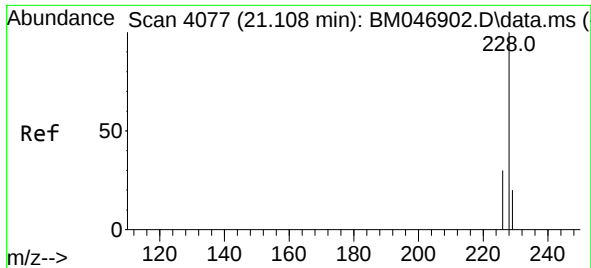
Reviewed By :Jagrut Upadhyay 07/30/2024  
Supervised By :mohammad ahmed 08/03/2024



#21  
Benzo(a)anthracene  
Concen: 0.037 ng/ul  
RT: 21.058 min Scan# 4060  
Delta R.T. 0.000 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

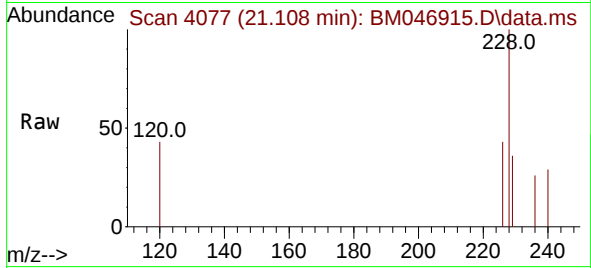
Tgt Ion:228 Resp: 832  
Ion Ratio Lower Upper  
228 100  
229 28.5 16.3 24.5#  
226 38.2 22.3 33.5#





#22  
Chrysene  
Concen: 0.034 ng/ul  
RT: 21.108 min Scan# 4077  
Delta R.T. 0.000 min  
Lab File: BM046915.D  
Acq: 30 Jul 2024 11:01

Instrument :  
BNA\_M  
ClientSampleId :  
F7E11



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 769       |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 42.9  | 24.5 36.7 |
| 229         | 35.6  | 16.2 24.2 |

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