

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
 Data File : BN033071.D  
 Acq On : 29 Jul 2024 17:13  
 Operator : MA/JU  
 Sample : P3347-04RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AW7RE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024  
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:06:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 23:04:40 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.503  | 152  | 2375     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.262 | 136  | 8557     | 0.400 | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.143 | 164  | 5559     | 0.400 | ng/ul  | #-0.03   |
| 13) Phenanthrene-d10        | 16.907 | 188  | 13493m   | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.142 | 240  | 13993m   | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.320 | 264  | 14333m   | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.056  | 96   | 11798    | 3.927 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.884 | 152  | 3685     | 0.264 | ng/ul  | -0.03    |
| 18) Fluoranthene-d10        | 18.958 | 212  | 12153    | 0.307 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.311 | 128  | 3521     | 0.160 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.967 | 142  | 348      | 0.023 | ng/ul  | 95       |
| 10) Acenaphthylene          | 13.866 | 152  | 1493     | 0.066 | ng/ul# | 78       |
| 11) Acenaphthene            | 14.208 | 153  | 2096     | 0.122 | ng/ul  | 98       |
| 12) Fluorene                | 15.207 | 166  | 824      | 0.041 | ng/ul# | 89       |
| 15) Phenanthrene            | 16.949 | 178  | 1836m    | 0.051 | ng/ul  |          |
| 16) Anthracene              | 17.042 | 178  | 41593m   | 1.278 | ng/ul  |          |
| 19) Fluoranthene            | 18.986 | 202  | 2134     | 0.046 | ng/ul# | 55       |
| 21) Benzo(a)anthracene      | 21.128 | 228  | 1273     | 0.027 | ng/ul# | 24       |
| -----                       |        |      |          |       |        |          |

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

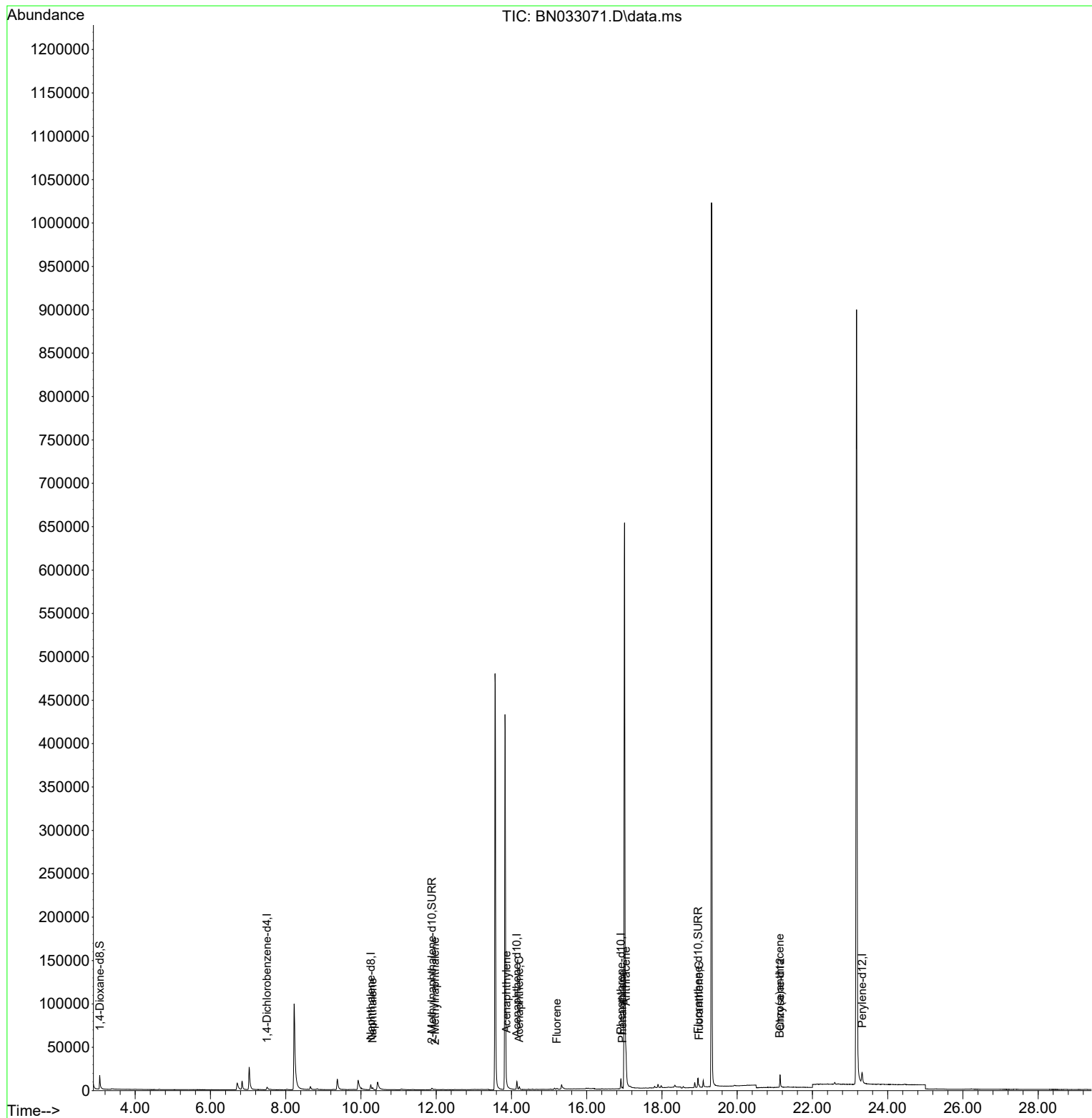
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN073024\  
Data File : BN033071.D  
Acq On : 29 Jul 2024 17:13  
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ALS Vial : 4 Sample Multiplier: 1

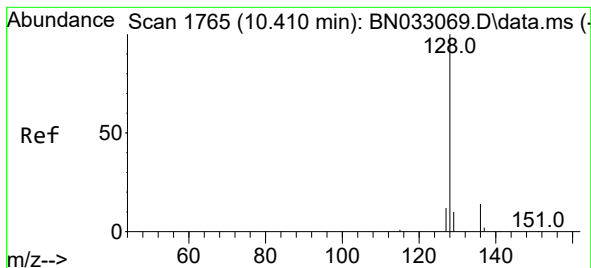
Instrument :  
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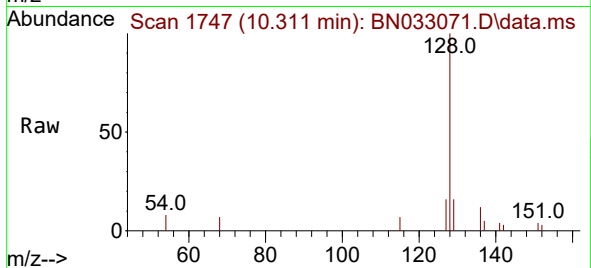
Quant Time: Jul 29 23:06:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 23:04:40 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.160 ng/ul  
RT: 10.311 min Scan# 1765  
Delta R.T. -0.038 min  
Lab File: BN033071.D  
Acq: 29 Jul 2024 17:13

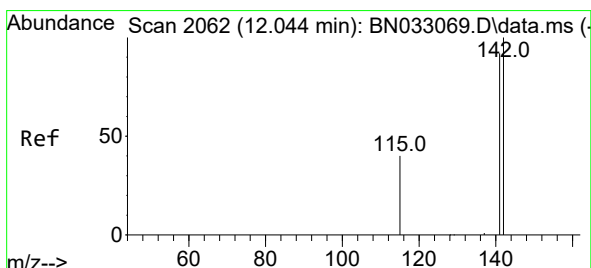
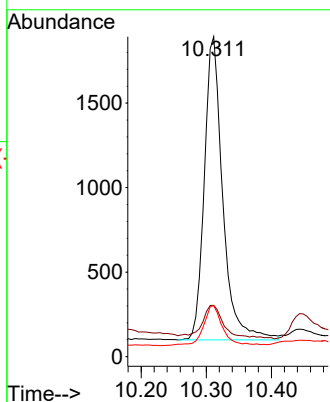
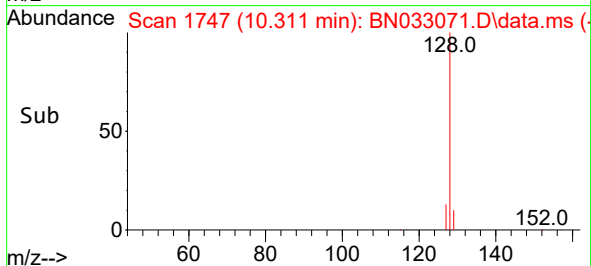
Instrument :  
BNA\_N  
ClientSampleId :  
C0AW7RE



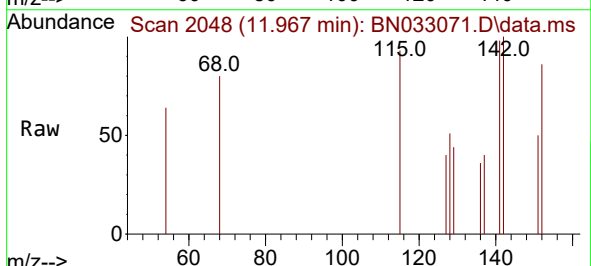
Tgt Ion:128 Resp: 352  
Ion Ratio Lower Upper  
128 100  
129 16.1 12.0 18.0  
127 16.0 12.7 19.1

Manual Integrations  
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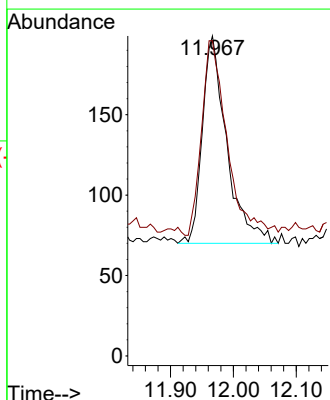
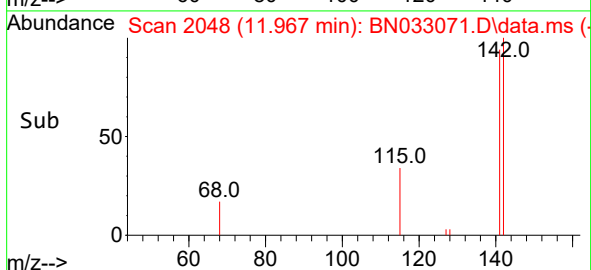
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024

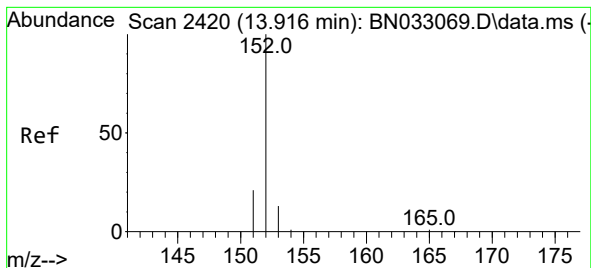


#7  
2-Methylnaphthalene  
Concen: 0.023 ng/ul  
RT: 11.967 min Scan# 2048  
Delta R.T. -0.016 min  
Lab File: BN033071.D  
Acq: 29 Jul 2024 17:13



Tgt Ion:142 Resp: 348  
Ion Ratio Lower Upper  
142 100  
141 98.6 75.2 112.8





#10

Acenaphthylene

Concen: 0.066 ng/ul

RT: 13.866 min Scan# 2409

Delta R.T. -0.032 min

Lab File: BN033071.D

Acq: 29 Jul 2024 17:13

Instrument :

BNA\_N

ClientSampleId :

C0AW7RE

Tgt Ion:152 Resp: 149

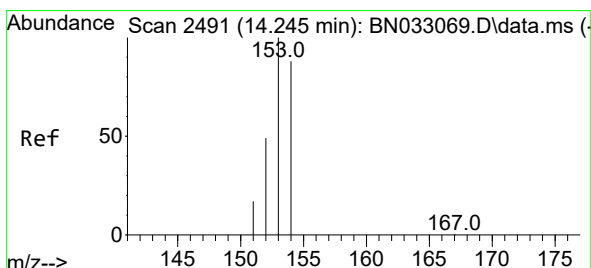
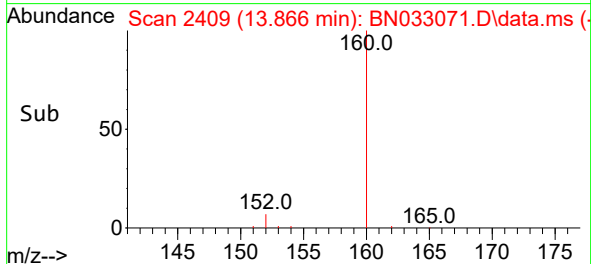
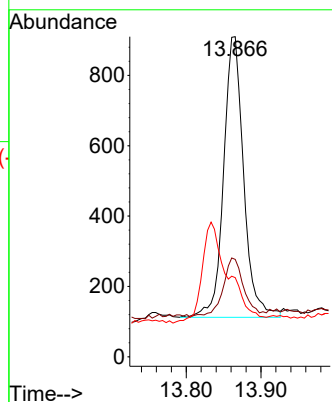
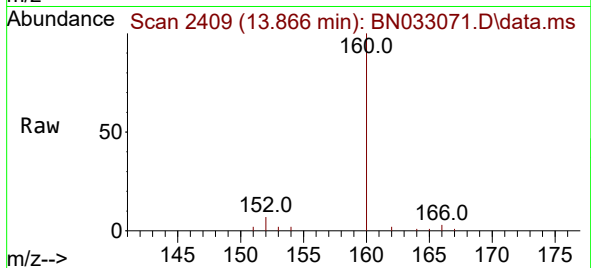
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 30.4  | 16.8  | 25.2  |
| 153 | 24.7  | 11.9  | 17.9  |

Manual Integrations

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Supervised By :mohammad ahmed 07/31/2024



#11

Acenaphthene

Concen: 0.122 ng/ul

RT: 14.208 min Scan# 2483

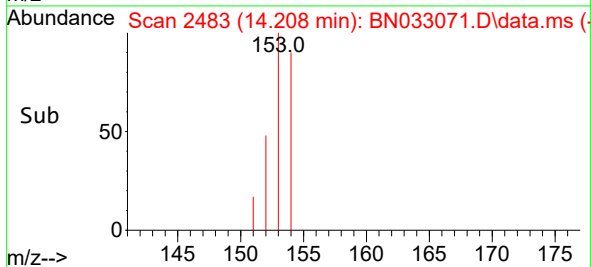
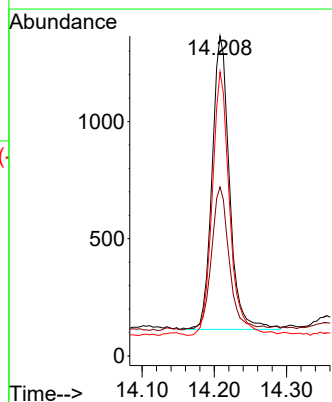
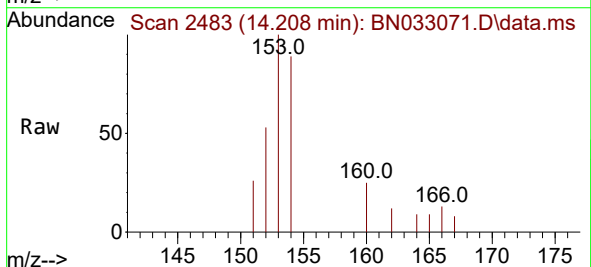
Delta R.T. -0.028 min

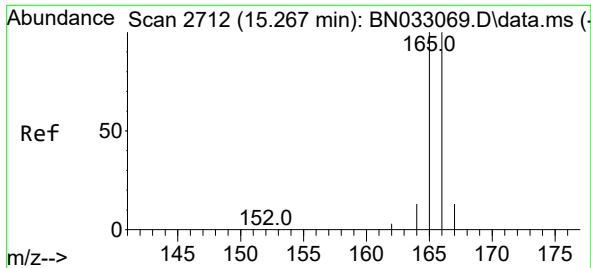
Lab File: BN033071.D

Acq: 29 Jul 2024 17:13

Tgt Ion:153 Resp: 2096

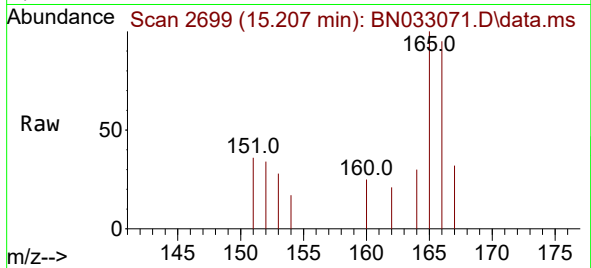
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 52.8  | 40.0  | 60.0  |
| 154 | 88.8  | 70.1  | 105.1 |





#12  
Fluorene  
Concen: 0.041 ng/ul  
RT: 15.207 min Scan# 2091  
Delta R.T. -0.037 min  
Lab File: BN033071.D  
Acq: 29 Jul 2024 17:13

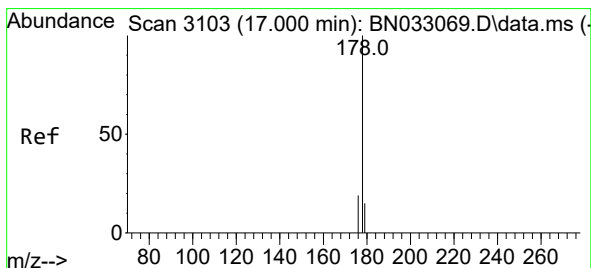
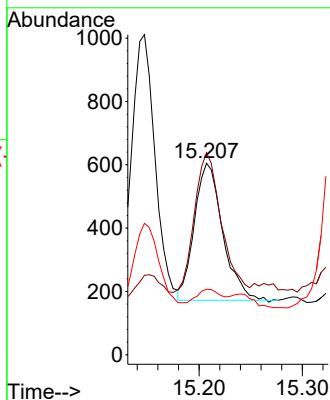
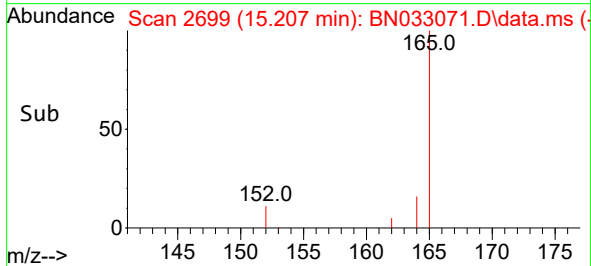
Instrument :  
BNA\_N  
ClientSampleId :  
C0AW7RE



Tgt Ion:166 Resp: 824  
Ion Ratio Lower Upper  
166 100  
165 105.5 79.6 119.4  
167 34.2 12.2 18.4

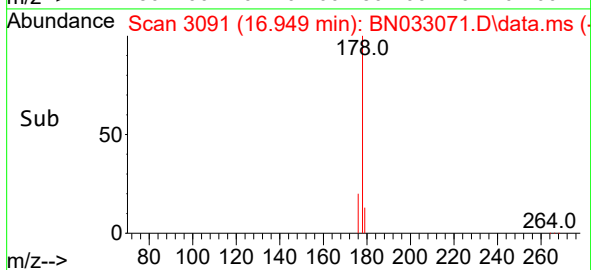
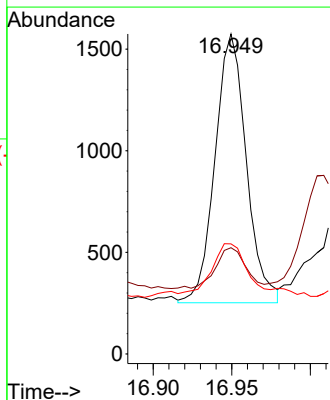
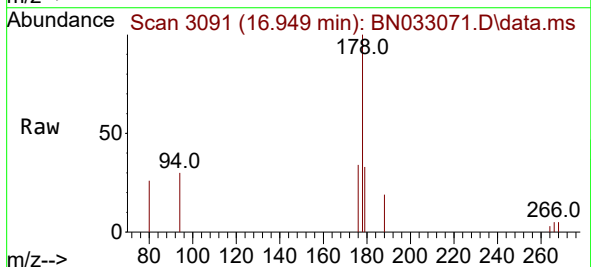
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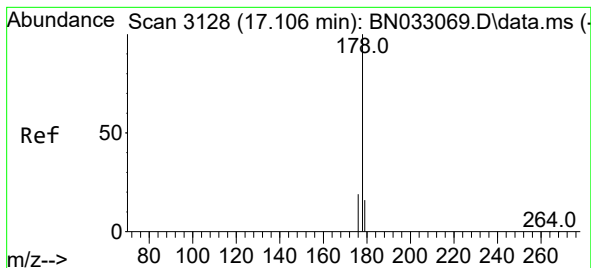
Reviewed By :Yogesh Patel 07/30/2024  
Supervised By :mohammad ahmed 07/31/2024



#15  
Phenanthrene  
Concen: 0.051 ng/ul m  
RT: 16.949 min Scan# 3091  
Delta R.T. -0.038 min  
Lab File: BN033071.D  
Acq: 29 Jul 2024 17:13

Tgt Ion:178 Resp: 1836  
Ion Ratio Lower Upper  
178 100  
179 33.2 13.7 20.5#  
176 34.4 15.9 23.9#





#16

Anthracene

Concen: 1.278 ng/ul m

RT: 17.042 min Scan# 3128

Delta R.T. -0.042 min

Lab File: BN033071.D

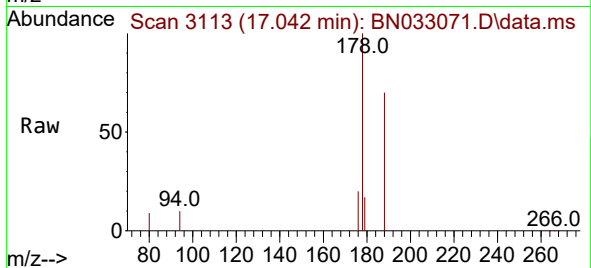
Acq: 29 Jul 2024 17:13

Instrument :

BNA\_N

ClientSampleId :

C0AW7RE



Tgt Ion:178 Resp: 4159

Ion Ratio Lower Upper

178 100

179 16.8 14.3 21.5

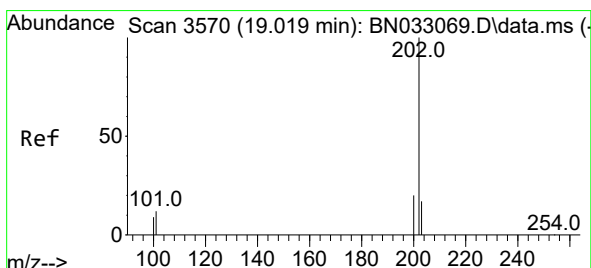
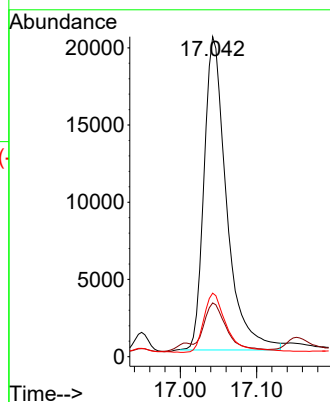
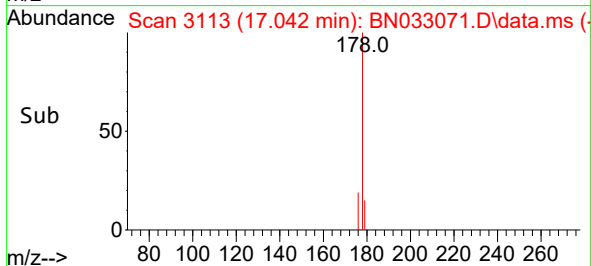
176 19.9 15.8 23.8

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/31/2024



#19

Fluoranthene

Concen: 0.046 ng/ul

RT: 18.986 min Scan# 3563

Delta R.T. -0.028 min

Lab File: BN033071.D

Acq: 29 Jul 2024 17:13

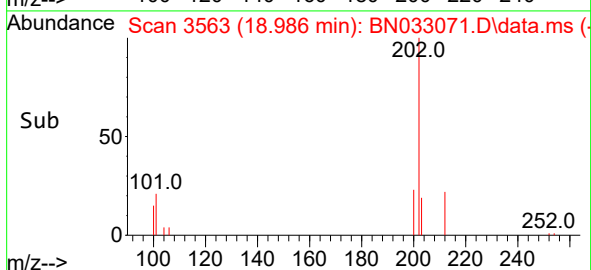
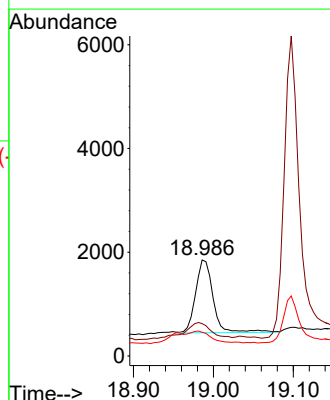
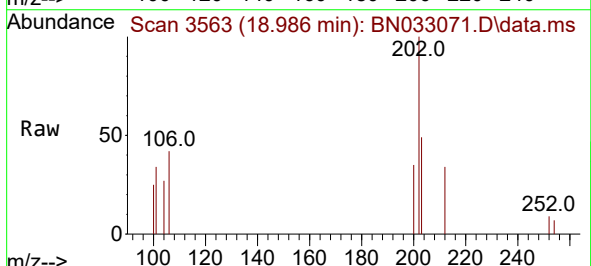
Tgt Ion:202 Resp: 2134

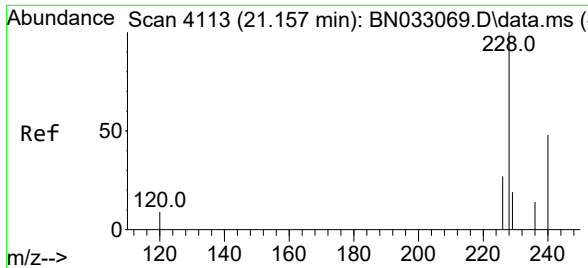
Ion Ratio Lower Upper

202 100

101 33.7 10.7 16.1#

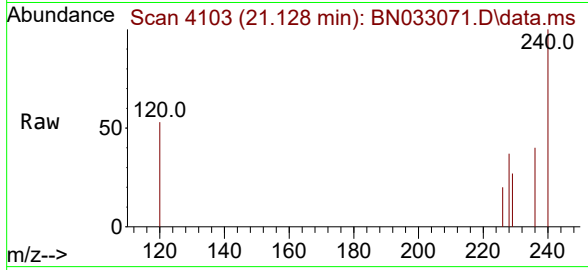
100 24.7 8.3 12.5#





#21  
Benzo(a)anthracene  
Concen: 0.027 ng/ul  
RT: 21.128 min Scan# 4113  
Delta R.T. -0.017 min  
Lab File: BN033071.D  
Acq: 29 Jul 2024 17:13

Instrument :  
BNA\_N  
ClientSampleId :  
C0AW7RE



Tgt Ion:228 Resp: 1275

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 74.0  | 17.1  | 25.7  |
| 226 | 53.7  | 22.4  | 33.6  |

Manual Integrations  
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