

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072224\  
 Data File : BM046757.D  
 Acq On : 22 Jul 2024 18:26  
 Operator : MA/JU  
 Sample : P3201-01DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BY7DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024  
 Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 23:56:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 19 11:38:04 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.485  | 152  | 4831     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.238 | 136  | 11658    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.127 | 164  | 4442     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.880 | 188  | 9113     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.090 | 240  | 8453     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.224 | 264  | 9679     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.109  | 96   | 1431     | 0.361 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.838 | 152  | 505      | 0.027 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.923 | 212  | 1104     | 0.043 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.288 | 128  | 1963     | 0.066 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 11.915 | 142  | 491      | 0.024 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.845 | 152  | 2601     | 0.129 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.188 | 153  | 1565     | 0.116 | ng/ul  | 98       |
| 12) Fluorene                | 15.187 | 166  | 2037     | 0.122 | ng/ul  | 96       |
| 15) Phenanthrene            | 16.922 | 178  | 41608    | 1.600 | ng/ul  | 98       |
| 16) Anthracene              | 17.015 | 178  | 8028     | 0.316 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.951 | 202  | 89927    | 2.590 | ng/ul  | 99       |
| 20) Pyrene                  | 19.314 | 202  | 49575    | 1.319 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.076 | 228  | 40857    | 1.093 | ng/ul  | 99       |
| 22) Chrysene                | 21.125 | 228  | 44177    | 1.221 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.595 | 252  | 64732m   | 1.674 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.633 | 252  | 23514m   | 0.620 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.130 | 252  | 15902    | 0.500 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.333 | 276  | 18682    | 0.386 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.340 | 278  | 8239     | 0.215 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 25.977 | 276  | 2998     | 0.078 | ng/ul# | 68       |
| -----                       |        |      |          |       |        |          |

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

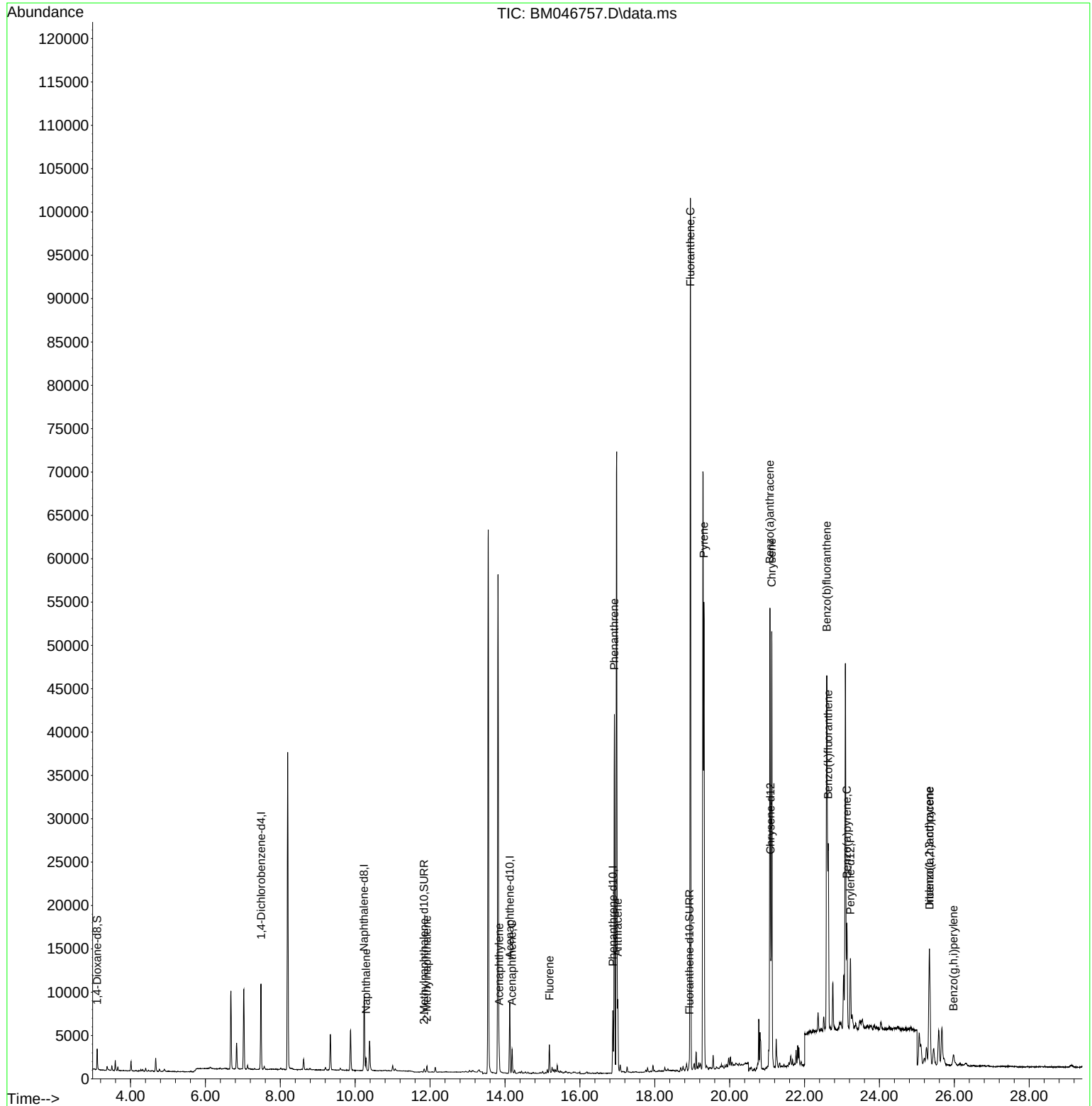
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072224\  
Data File : BM046757.D  
Acq On : 22 Jul 2024 18:26  
Operator : MA/JU  
Sample : P3201-01DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

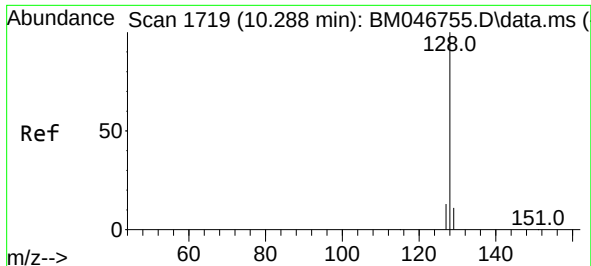
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL

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APPROVED

Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

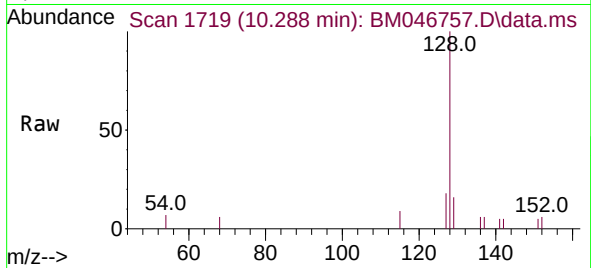
Quant Time: Jul 22 23:56:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 19 11:38:04 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.066 ng/ul  
RT: 10.288 min Scan# 1719  
Delta R.T. -0.010 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

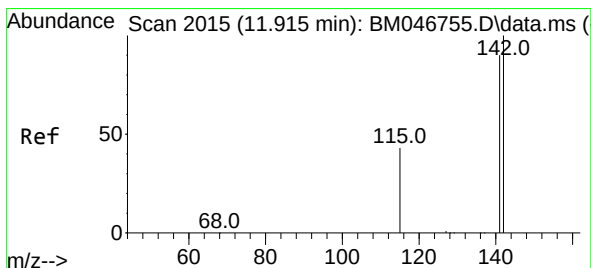
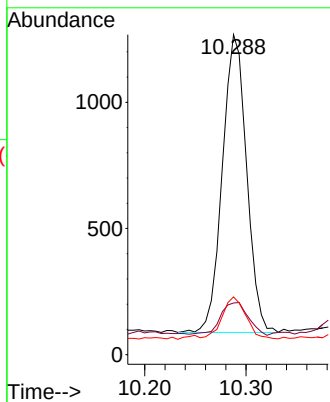
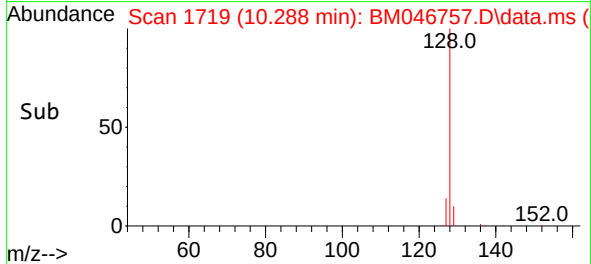
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



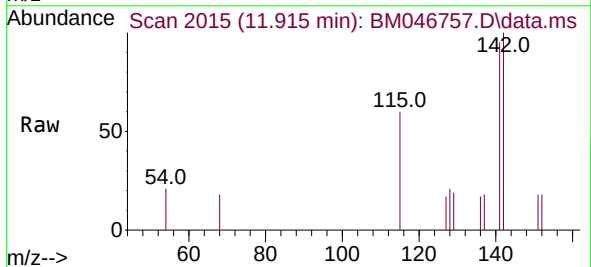
Tgt Ion:128 Resp: 196  
Ion Ratio Lower Upper  
128 100  
129 16.2 10.3 15.5  
127 18.1 12.2 18.4

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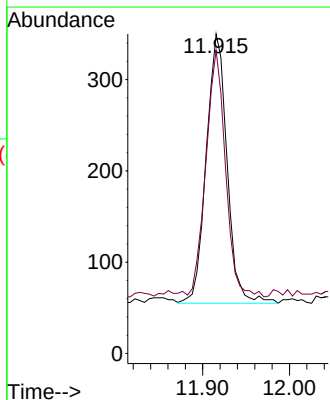
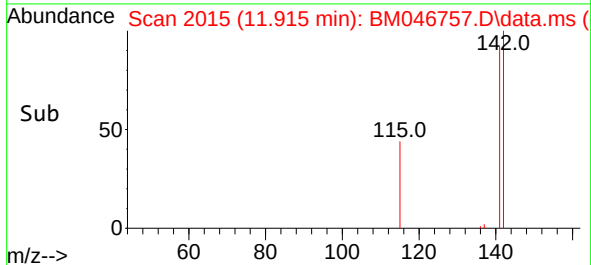
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

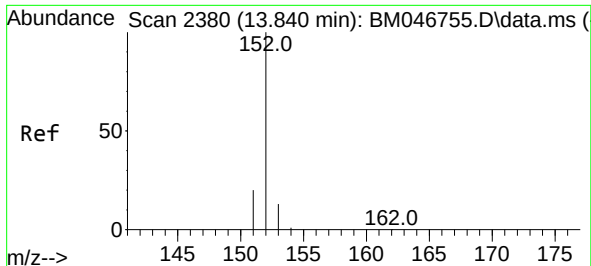


#7  
2-Methylnaphthalene  
Concen: 0.024 ng/ul  
RT: 11.915 min Scan# 2015  
Delta R.T. -0.004 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26



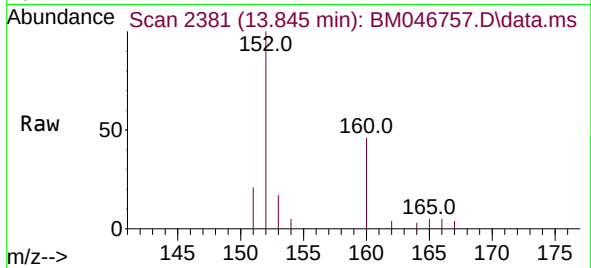
Tgt Ion:142 Resp: 491  
Ion Ratio Lower Upper  
142 100  
141 86.6 70.3 105.5





#10  
Acenaphthylene  
Concen: 0.129 ng/ul  
RT: 13.845 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

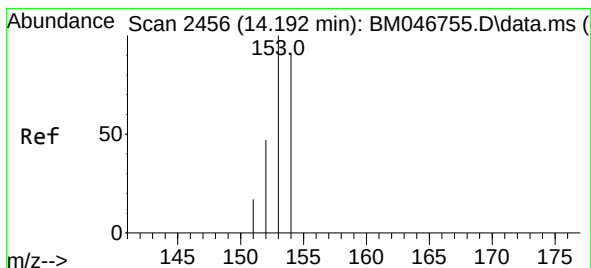
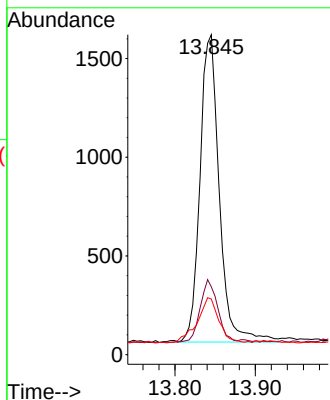
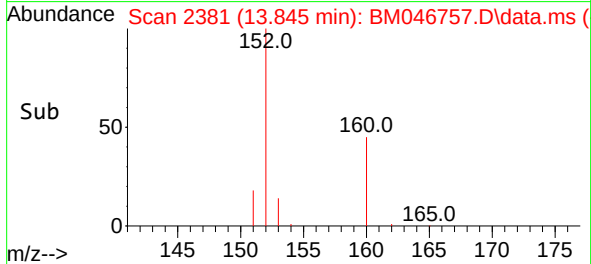
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



Tgt Ion:152 Resp: 260  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.4 24.6  
153 17.4 12.4 18.6

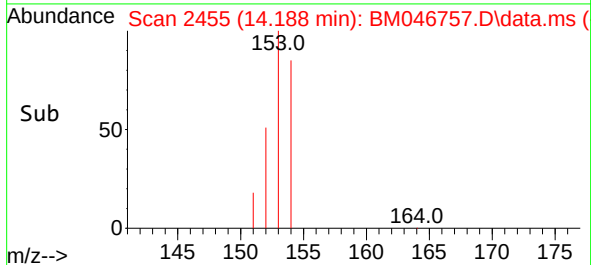
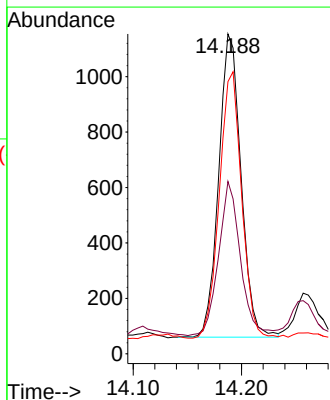
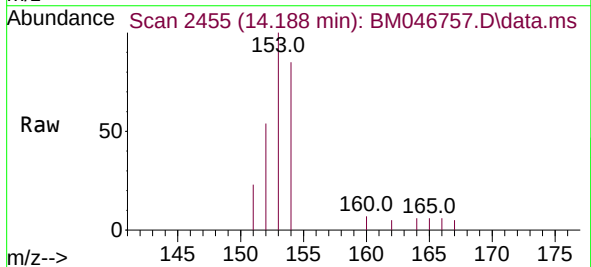
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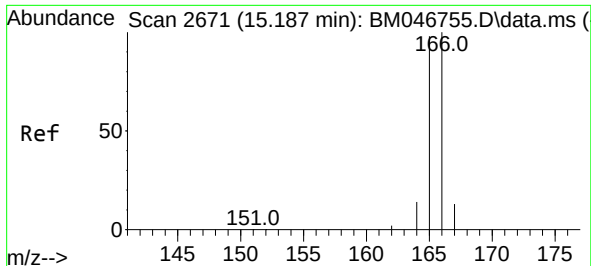
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024



#11  
Acenaphthene  
Concen: 0.116 ng/ul  
RT: 14.188 min Scan# 2455  
Delta R.T. -0.008 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

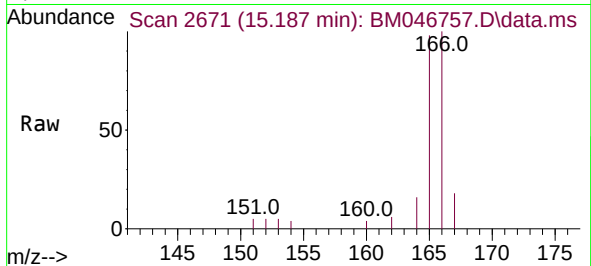
Tgt Ion:153 Resp: 1565  
Ion Ratio Lower Upper  
153 100  
152 53.9 43.0 64.6  
154 85.1 69.9 104.9





#12  
Fluorene  
Concen: 0.122 ng/ul  
RT: 15.187 min Scan# 203  
Delta R.T. -0.003 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

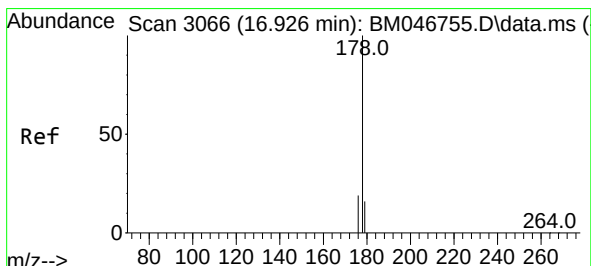
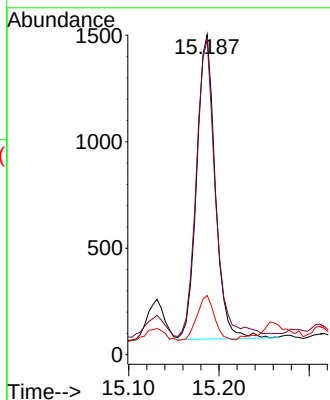
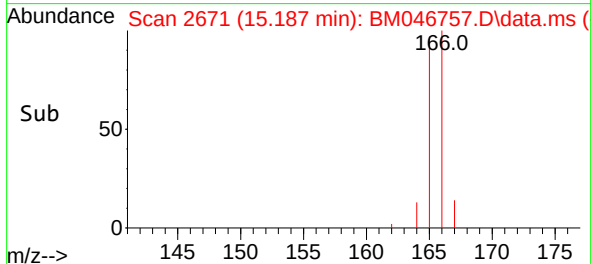
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:166 Resp: 203  
Ion Ratio Lower Upper  
166 100  
165 98.5 76.1 114.1  
167 18.5 12.5 18.7

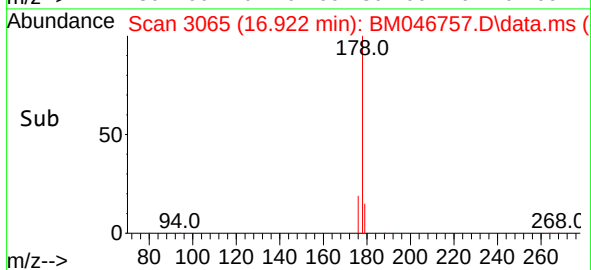
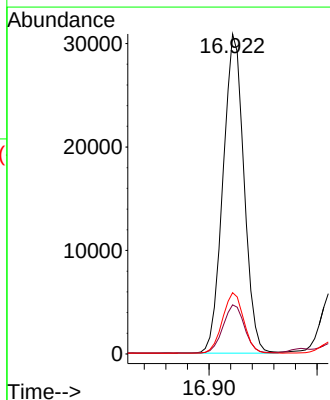
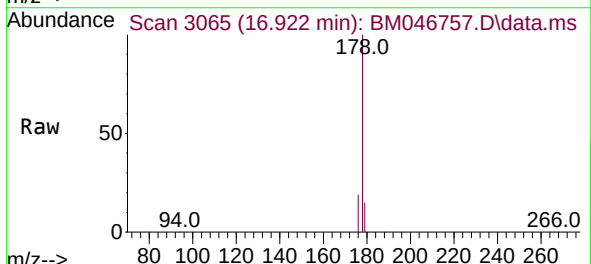
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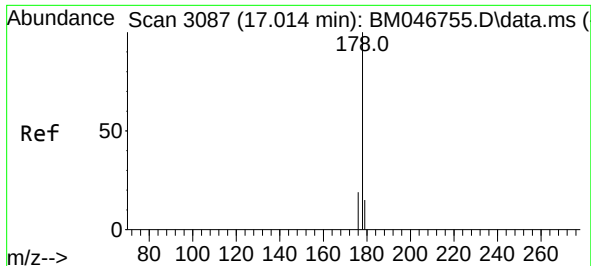
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024



#15  
Phenanthrene  
Concen: 1.600 ng/ul  
RT: 16.922 min Scan# 3065  
Delta R.T. -0.003 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

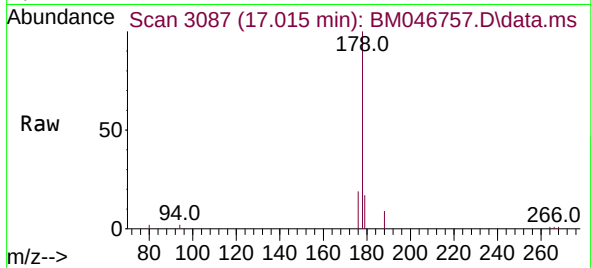
Tgt Ion:178 Resp: 41608  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.1 19.7  
176 19.1 16.0 24.0





#16  
 Anthracene  
 Concen: 0.316 ng/ul  
 RT: 17.015 min Scan# 3087  
 Delta R.T. -0.003 min  
 Lab File: BM046757.D  
 Acq: 22 Jul 2024 18:26

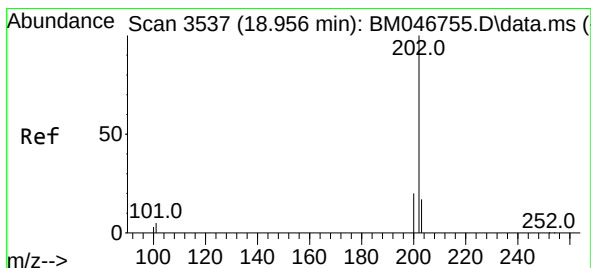
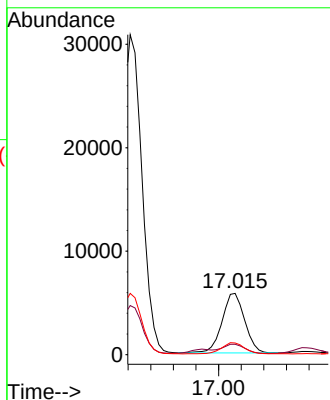
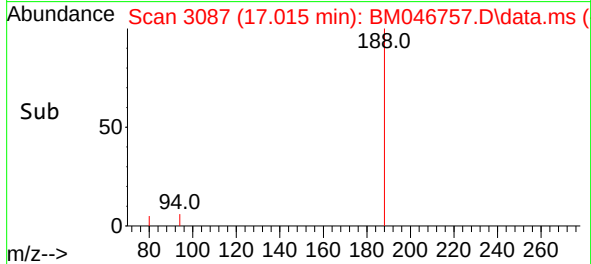
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BY7DL



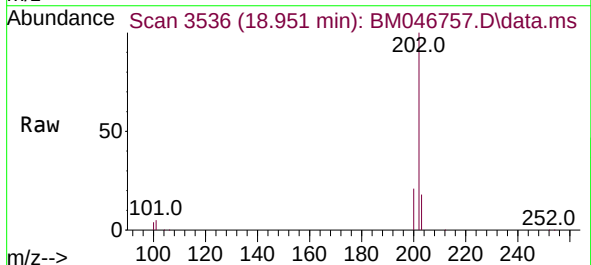
Tgt Ion:178 Resp: 8028  
 Ion Ratio Lower Upper  
 178 100  
 179 16.9 13.5 20.3  
 176 19.1 15.7 23.5

Manual Integrations  
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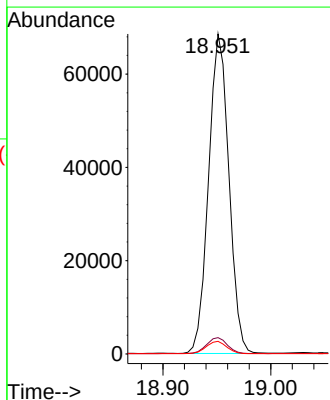
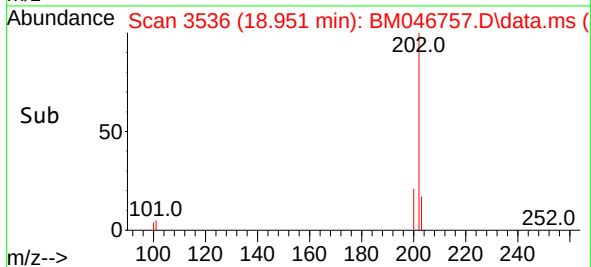
Reviewed By :Yogesh Patel 07/23/2024  
 Supervised By :mohammad ahmed 07/23/2024

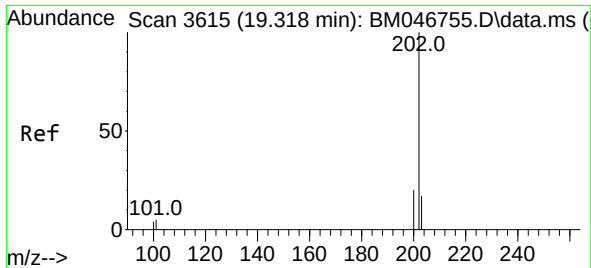


#19  
 Fluoranthene  
 Concen: 2.590 ng/ul  
 RT: 18.951 min Scan# 3536  
 Delta R.T. -0.003 min  
 Lab File: BM046757.D  
 Acq: 22 Jul 2024 18:26



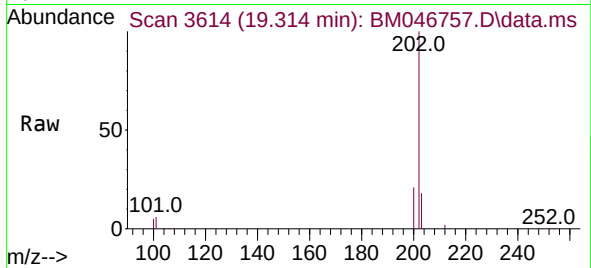
Tgt Ion:202 Resp: 89927  
 Ion Ratio Lower Upper  
 202 100  
 101 5.1 4.6 6.8  
 100 4.0 3.0 4.6





#20  
Pyrene  
Concen: 1.319 ng/ul  
RT: 19.314 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

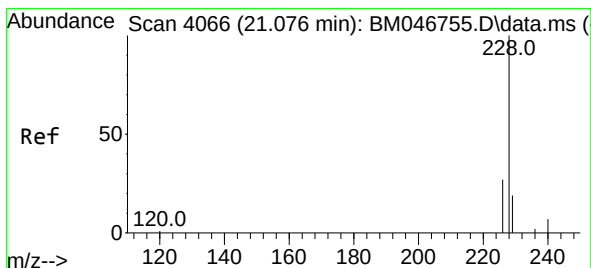
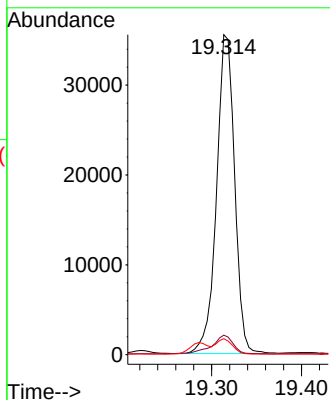
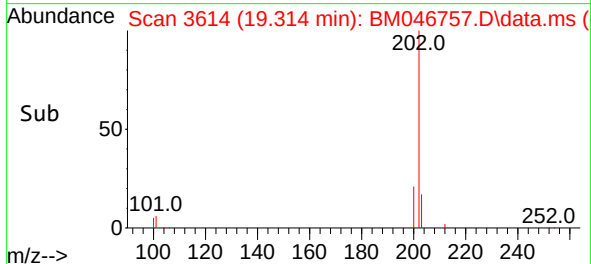
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



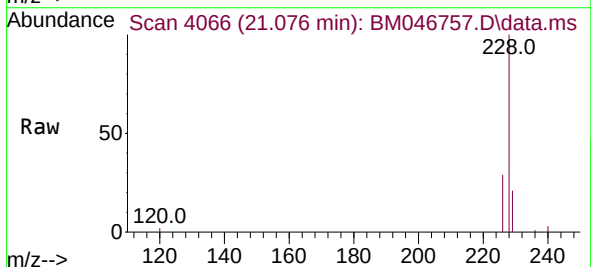
Tgt Ion:202 Resp: 4957  
Ion Ratio Lower Upper  
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101 6.1 5.1 7.7  
100 5.0 3.8 5.6

Manual Integrations  
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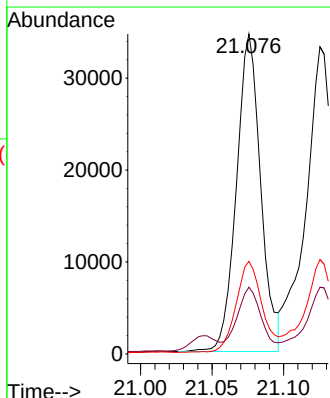
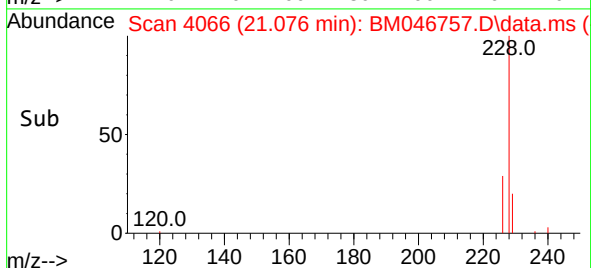
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

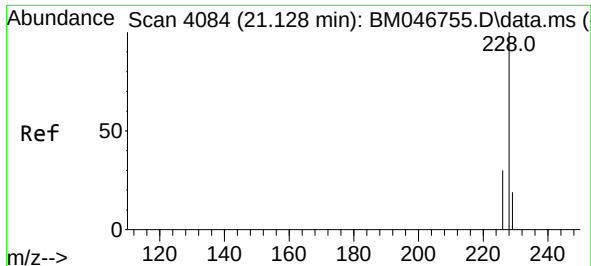


#21  
Benzo(a)anthracene  
Concen: 1.093 ng/ul  
RT: 21.076 min Scan# 4066  
Delta R.T. -0.003 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26



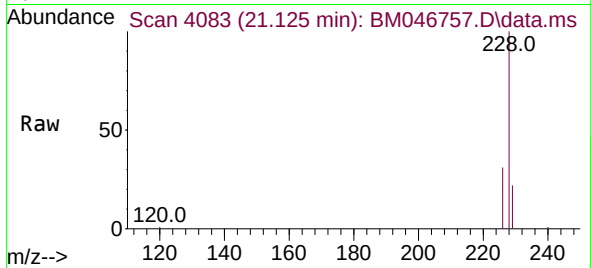
Tgt Ion:228 Resp: 40857  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.5 24.7  
226 29.0 22.5 33.7





#22  
Chrysene  
Concen: 1.221 ng/ul  
RT: 21.125 min Scan# 4083  
Delta R.T. -0.006 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

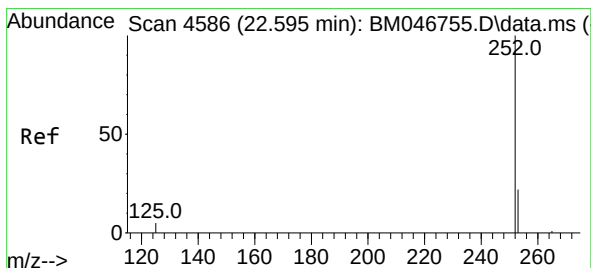
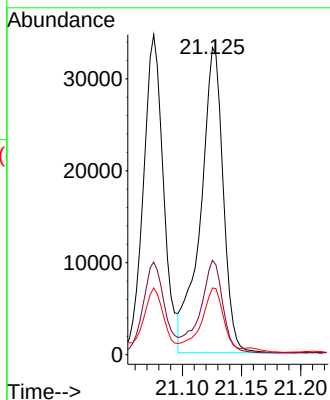
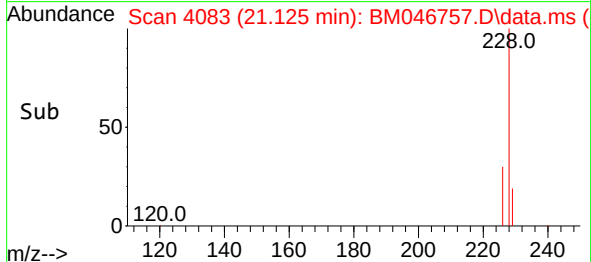
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



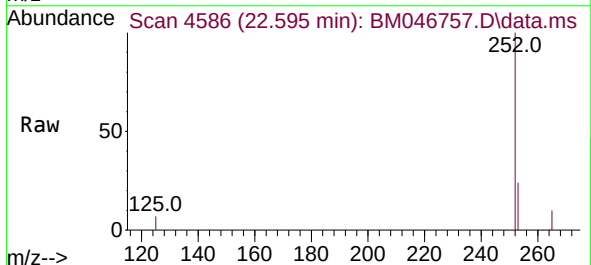
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228 100  
226 30.7 24.3 36.5  
229 21.7 16.4 24.6

Manual Integrations  
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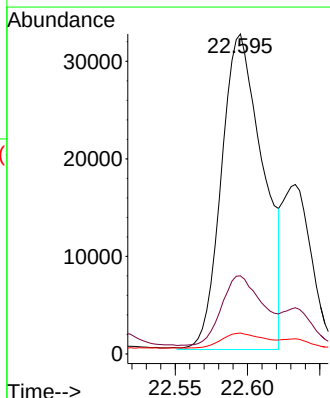
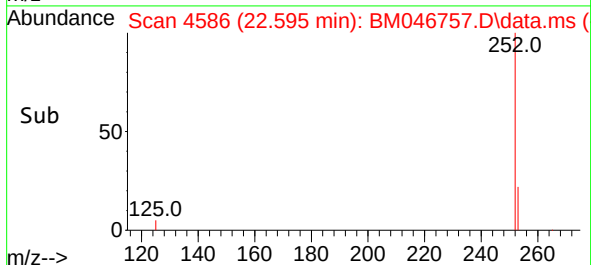
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024



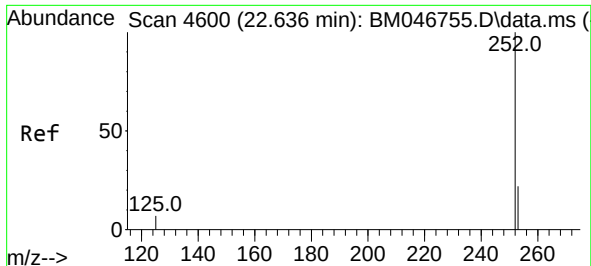
#24  
Benzo(b)fluoranthene  
Concen: 1.674 ng/ul m  
RT: 22.595 min Scan# 4586  
Delta R.T. -0.003 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26



Tgt Ion:252 Resp: 64732  
Ion Ratio Lower Upper  
252 100  
253 24.4 0.0 56.2  
125 6.5 0.0 17.8

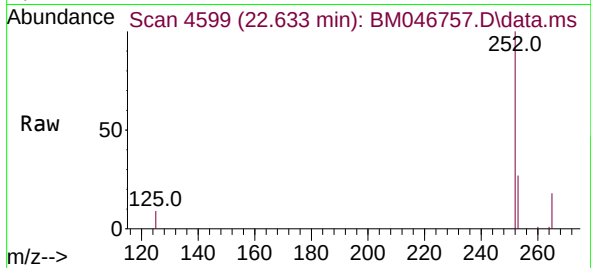






#25  
Benzo(k)fluoranthene  
Concen: 0.620 ng/ul m  
RT: 22.633 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

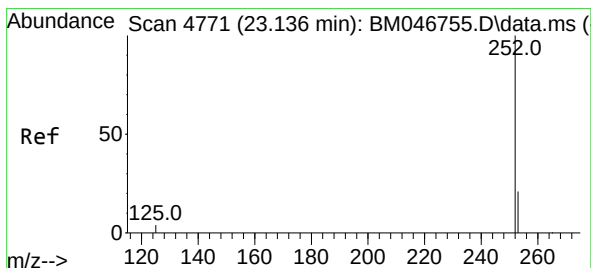
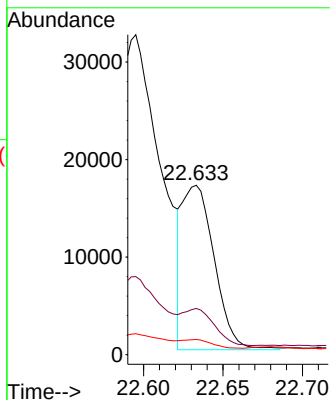
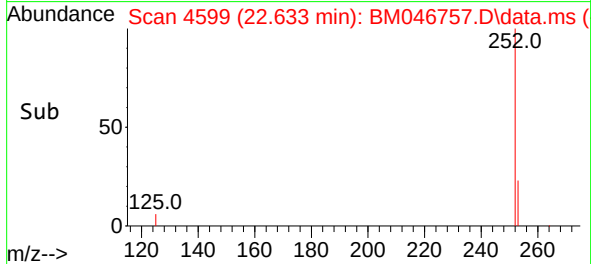
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



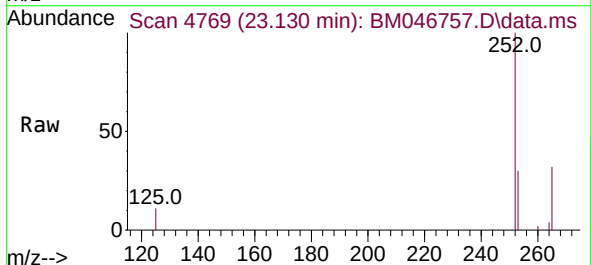
Tgt Ion:252 Resp: 23514  
Ion Ratio Lower Upper  
252 100  
253 27.3 22.4 33.6  
125 9.0 7.0 10.4

Manual Integrations  
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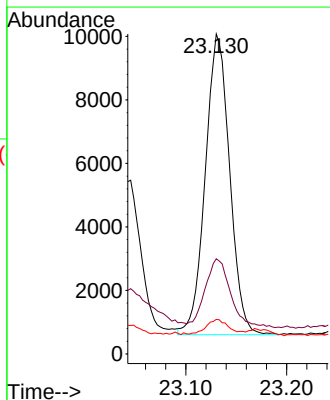
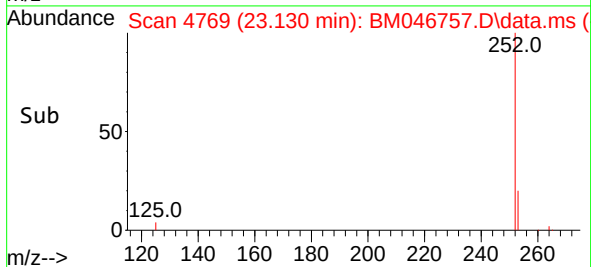
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

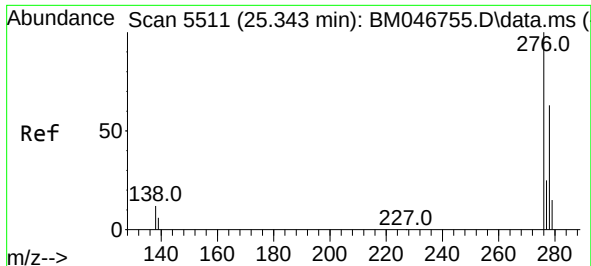


#26  
Benzo(a)pyrene  
Concen: 0.500 ng/ul  
RT: 23.130 min Scan# 4769  
Delta R.T. -0.009 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26



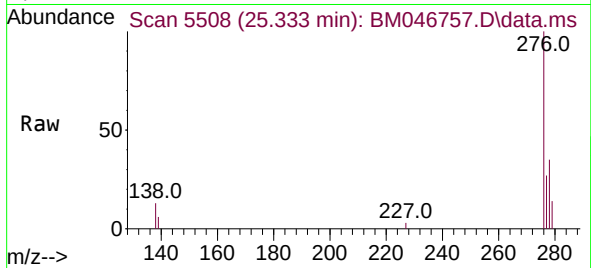
Tgt Ion:252 Resp: 15902  
Ion Ratio Lower Upper  
252 100  
253 29.8 24.0 36.0  
125 10.8 8.2 12.2





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.386 ng/ul  
RT: 25.333 min Scan# 51  
Delta R.T. -0.014 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

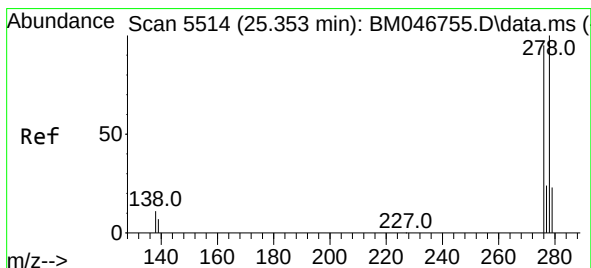
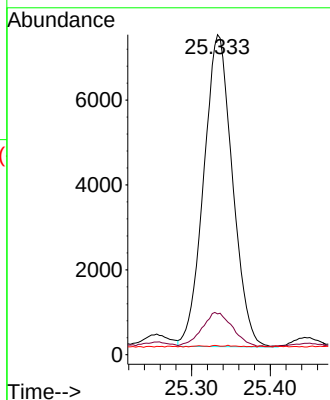
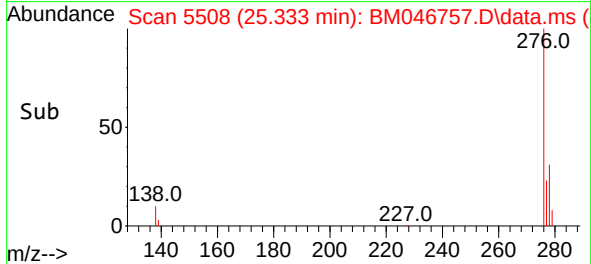
Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



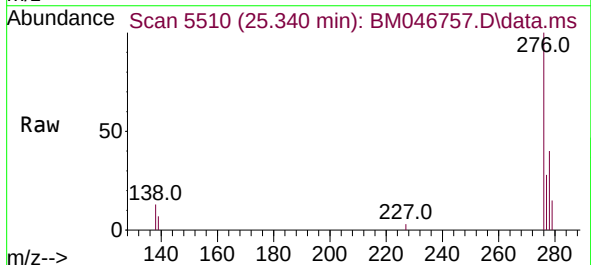
Tgt Ion:276 Resp: 1868  
Ion Ratio Lower Upper  
276 100  
138 11.4 0.0 0.0#  
227 0.2 0.2 0.2

Manual Integrations  
APPROVED

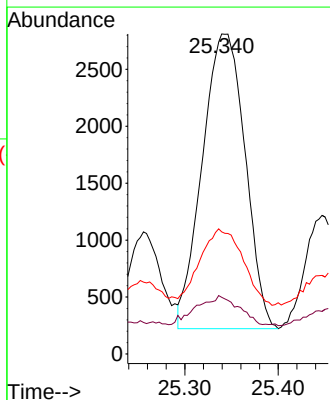
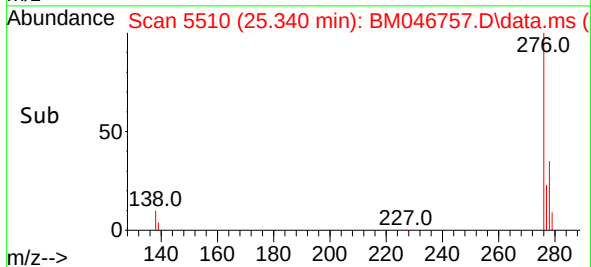
Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

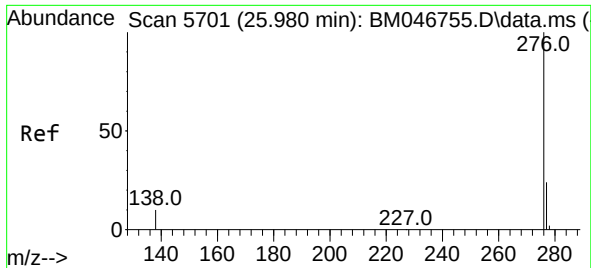


#28  
Dibenzo(a,h)anthracene  
Concen: 0.215 ng/ul  
RT: 25.340 min Scan# 5510  
Delta R.T. -0.021 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26



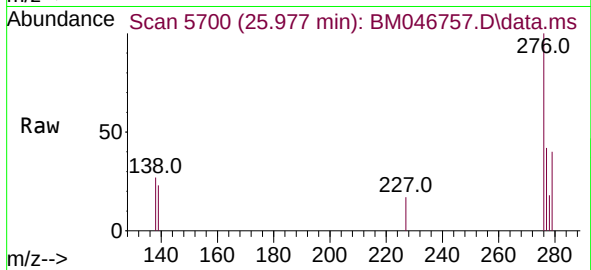
Tgt Ion:278 Resp: 8239  
Ion Ratio Lower Upper  
278 100  
139 17.7 9.1 13.7#  
279 38.1 23.2 34.8#





#29  
Benzo(g,h,i)perylene  
Concen: 0.078 ng/ul  
RT: 25.977 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BM046757.D  
Acq: 22 Jul 2024 18:26

Instrument :  
BNA\_M  
ClientSampleId :  
A4BY7DL



Tgt Ion: 276 Resp: 2998  
Ion Ratio Lower Upper  
276 100  
138 27.1 10.2 15.4  
277 41.7 20.9 31.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/23/2024  
Supervised By :mohammad ahmed 07/23/2024

