

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042522\  
 Data File : BM034816.D  
 Acq On : 26 Apr 2022 01:24  
 Operator : CG/JU  
 Sample : N2374-02DL 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFFD5DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/26/2022  
 Supervised By :Yogesh Patel 04/29/2022

Quant Time: Apr 26 03:08:18 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 22 16:54:34 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.942  | 152  | 7528     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.743 | 136  | 18869    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.571 | 164  | 9430     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.310 | 188  | 17526    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.484 | 240  | 13146    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.875 | 264  | 13798    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.386  | 96   | 4522     | 0.543 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.327 | 152  | 1002     | 0.038 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.332 | 212  | 1783     | 0.043 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.792 | 128  | 1123     | 0.021 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.404 | 142  | 889      | 0.025 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.618 | 142  | 1227     | 0.035 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.289 | 152  | 3744     | 0.091 | ng/ul  | 95       |
| 12) Fluorene                | 15.617 | 166  | 1956     | 0.050 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.352 | 178  | 32805    | 0.566 | ng/ul  | 94       |
| 16) Anthracene              | 17.441 | 178  | 3907     | 0.076 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.364 | 202  | 42313    | 0.670 | ng/ul  | 97       |
| 20) Pyrene                  | 19.722 | 202  | 52291    | 0.825 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.467 | 228  | 17826    | 0.349 | ng/ul  | 97       |
| 22) Chrysene                | 21.519 | 228  | 23453    | 0.430 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.150 | 252  | 23809    | 0.378 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 23.194 | 252  | 8074m    | 0.128 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.767 | 252  | 16890    | 0.329 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.349 | 276  | 11993    | 0.166 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.362 | 278  | 3033     | 0.052 | ng/ul# | 63       |
| 29) Benzo(g,h,i)perylene    | 27.110 | 276  | 9958     | 0.160 | ng/ul# | 93       |
| -----                       |        |      |          |       |        |          |

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

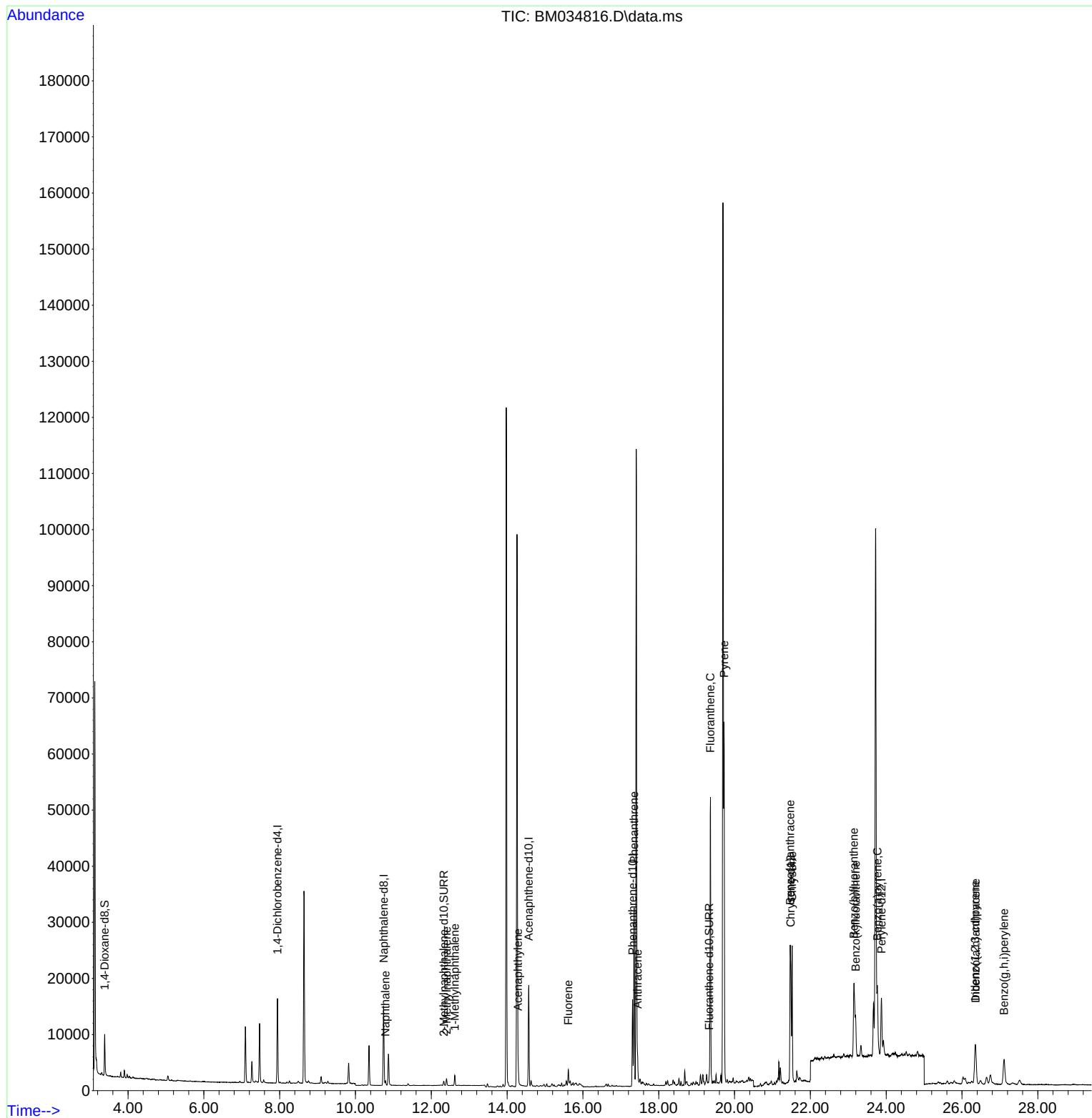
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042522\  
Data File : BM034816.D  
Acq On : 26 Apr 2022 01:24  
Operator : CG/JU  
Sample : N2374-02DL 5X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

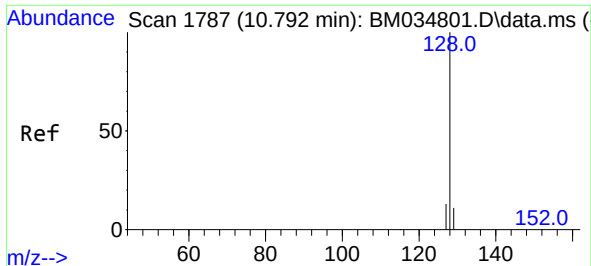
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL

Manual Integrations  
APPROVED

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Supervised By :Yogesh Patel 04/29/2022

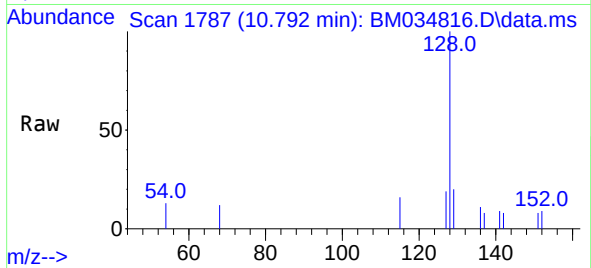
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 22 16:54:34 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.021 ng/ul  
RT: 10.792 min Scan# 1787  
Delta R.T. -0.004 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

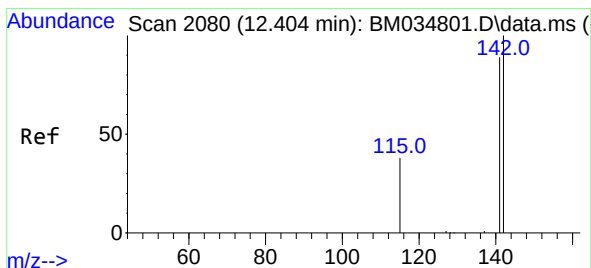
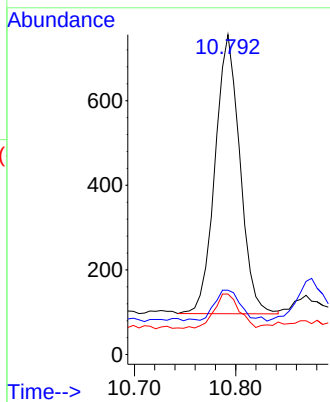
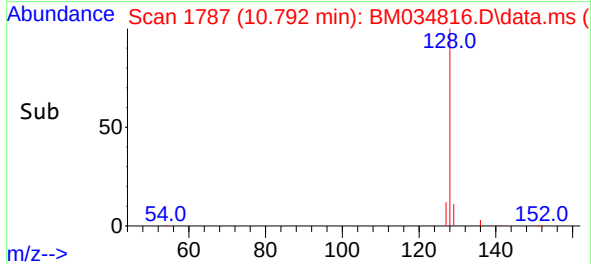
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



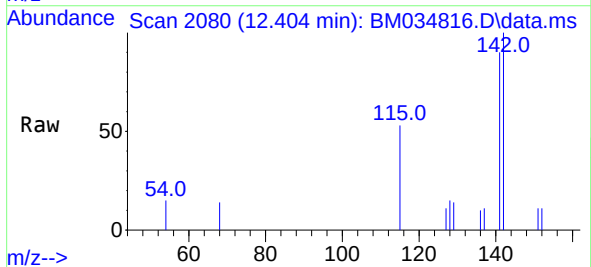
Tgt Ion:128 Resp: 112  
Ion Ratio Lower Upper  
128 100  
129 20.1 13.4 20.2  
127 18.9 15.2 22.8

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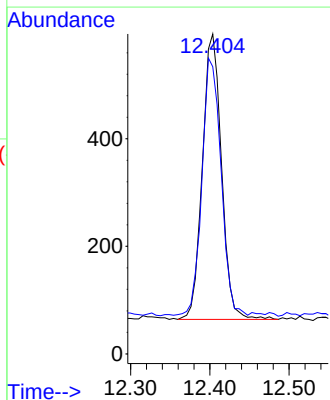
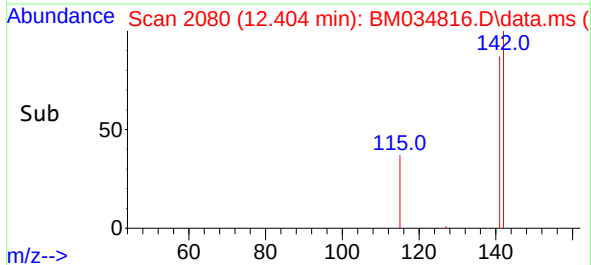
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

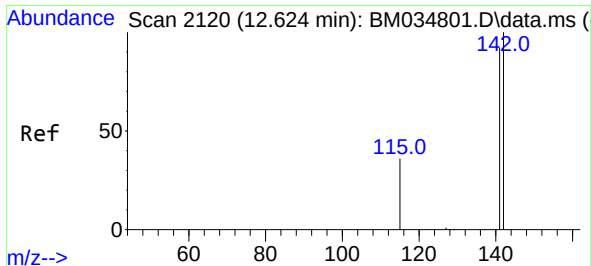


#7  
2-Methylnaphthalene  
Concen: 0.025 ng/ul  
RT: 12.404 min Scan# 2080  
Delta R.T. -0.004 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24



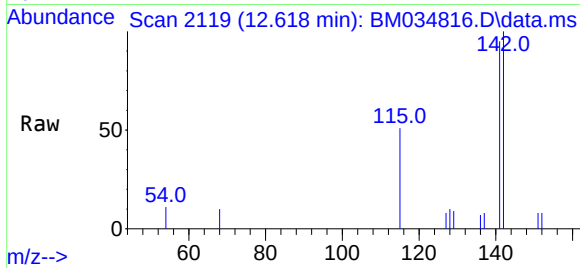
Tgt Ion:142 Resp: 889  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.8 107.6





#8  
1-Methylnaphthalene  
Concen: 0.035 ng/ul  
RT: 12.618 min Scan# 2119  
Delta R.T. -0.010 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

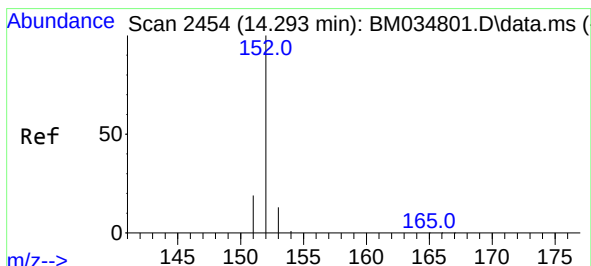
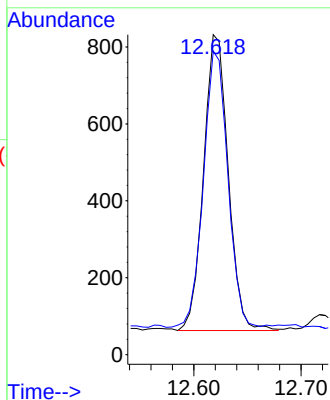
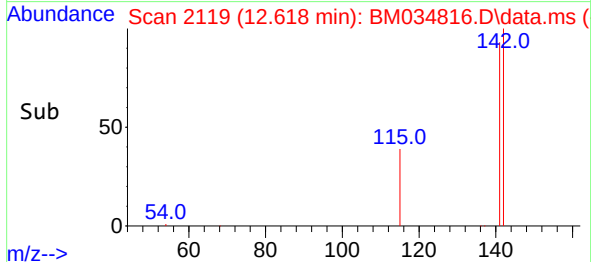
Instrument :  
BNA\_M  
ClientSampleId :  
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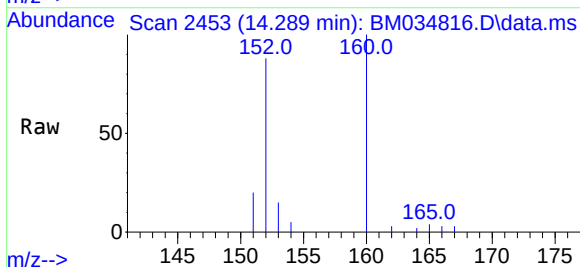
Tgt Ion:142 Resp: 122  
Ion Ratio Lower Upper  
142 100  
141 92.3 75.0 112.4

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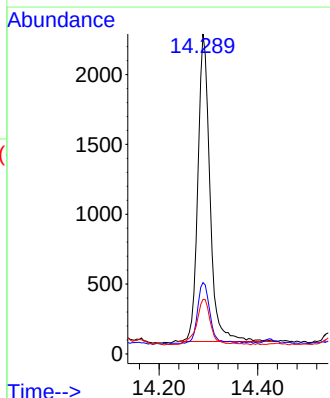
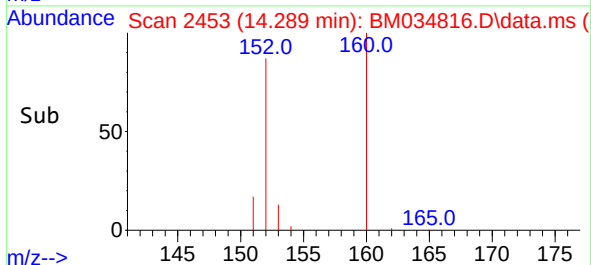
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

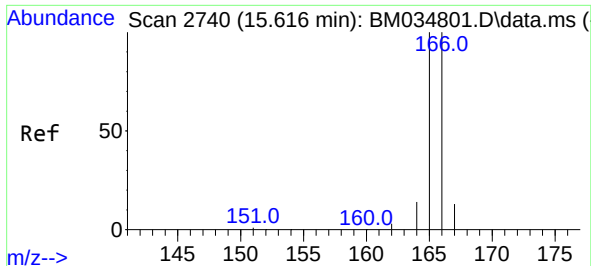


#10  
Acenaphthylene  
Concen: 0.091 ng/ul  
RT: 14.289 min Scan# 2453  
Delta R.T. -0.007 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24



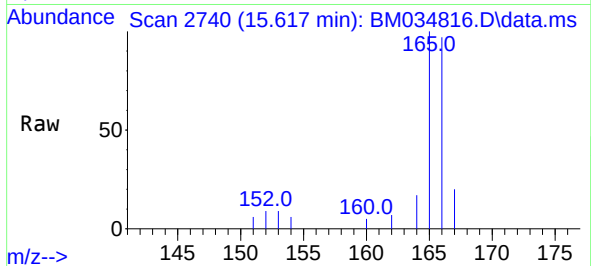
Tgt Ion:152 Resp: 3744  
Ion Ratio Lower Upper  
152 100  
151 22.3 19.9 29.9  
153 17.0 15.0 22.4





#12  
Fluorene  
Concen: 0.050 ng/u1  
RT: 15.617 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

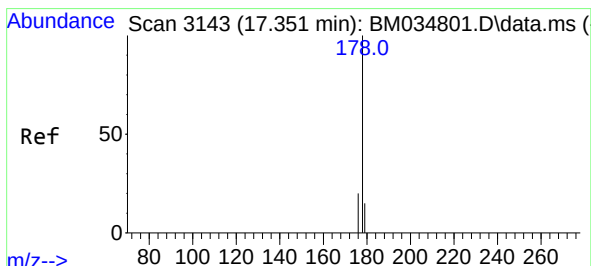
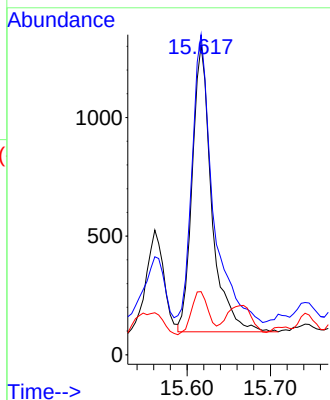
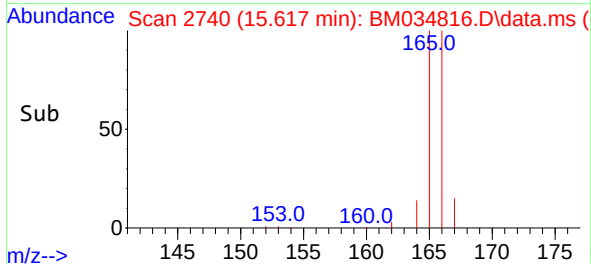
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



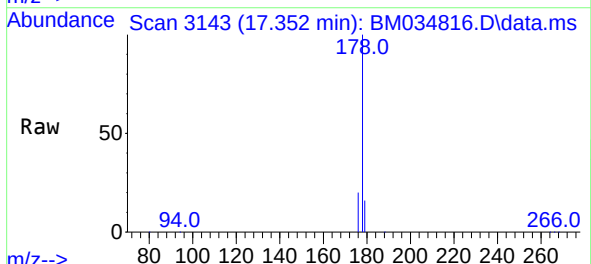
Tgt Ion:166 Resp: 1950  
Ion Ratio Lower Upper  
166 100  
165 103.4 81.1 121.7  
167 20.4 14.9 22.3

Manual Integrations  
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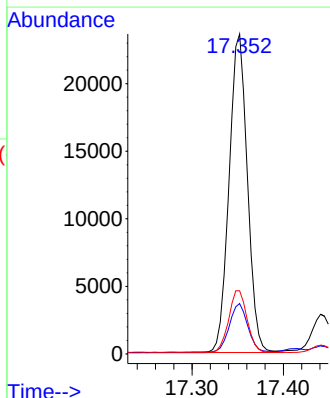
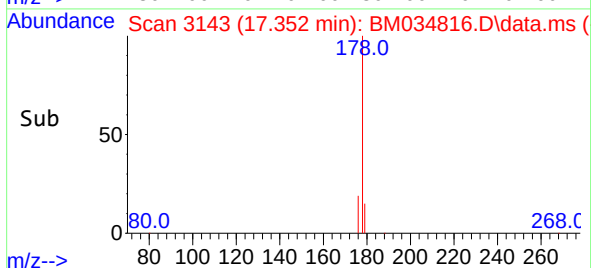
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

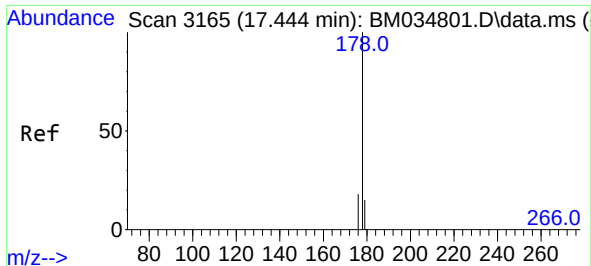


#15  
Phenanthrene  
Concen: 0.566 ng/u1  
RT: 17.352 min Scan# 3143  
Delta R.T. -0.002 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24



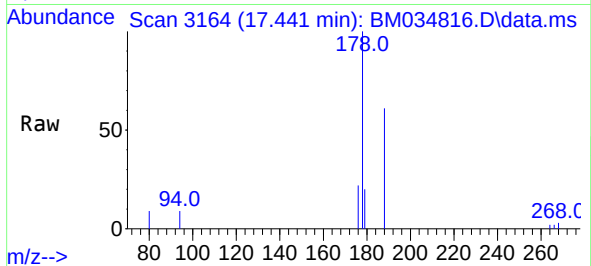
Tgt Ion:178 Resp: 32805  
Ion Ratio Lower Upper  
178 100  
179 15.8 15.0 22.6  
176 19.7 17.9 26.9





#16  
 Anthracene  
 Concen: 0.076 ng/ul  
 RT: 17.441 min Scan# 3165  
 Delta R.T. -0.006 min  
 Lab File: BM034816.D  
 Acq: 26 Apr 2022 01:24

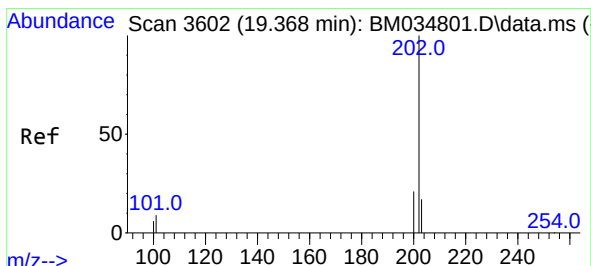
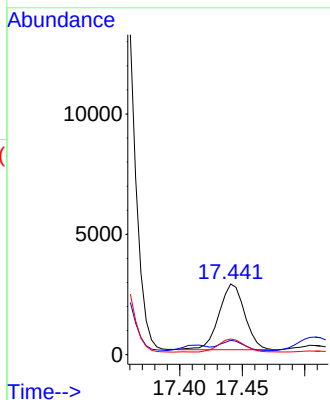
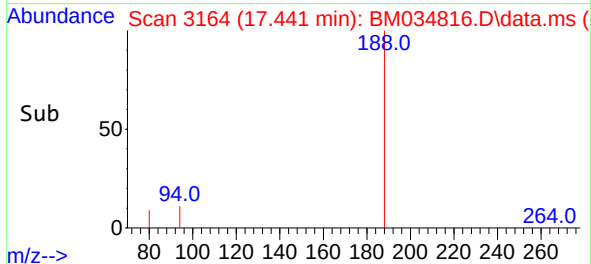
Instrument :  
 BNA\_M  
 ClientSampleId :  
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|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 390       |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 20.4  | 16.5 24.7 |
| 176         | 22.2  | 18.3 27.5 |

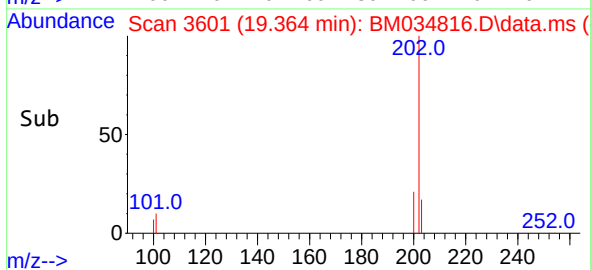
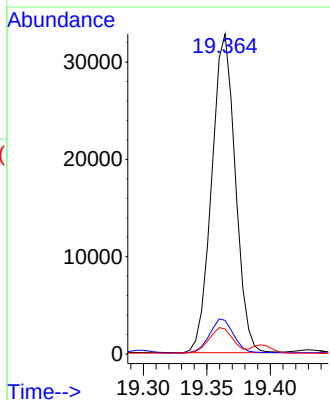
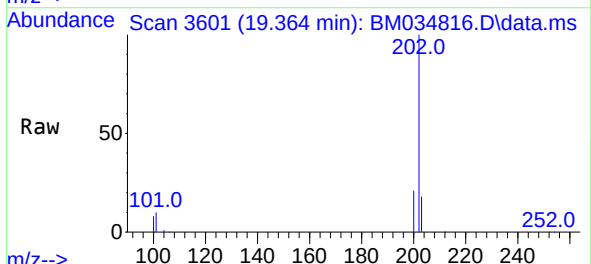
Manual Integrations  
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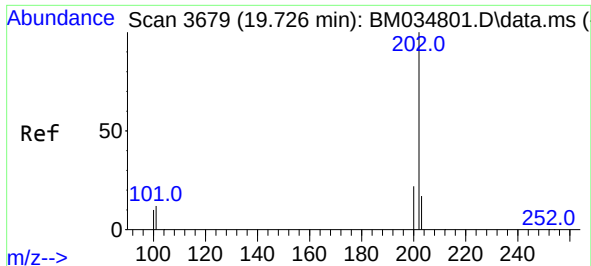
Reviewed By :Jagrut Upadhyay 04/26/2022  
 Supervised By :Yogesh Patel 04/29/2022



#19  
 Fluoranthene  
 Concen: 0.670 ng/ul  
 RT: 19.364 min Scan# 3601  
 Delta R.T. -0.002 min  
 Lab File: BM034816.D  
 Acq: 26 Apr 2022 01:24

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 42313    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 10.5  | 9.2 13.8 |
| 100         | 7.8   | 7.2 10.8 |





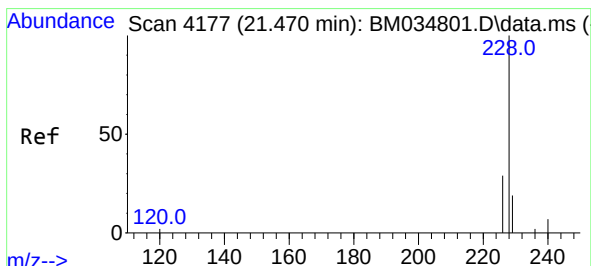
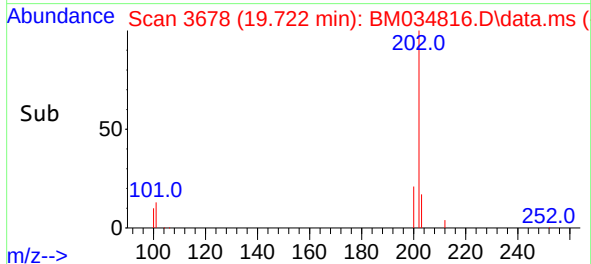
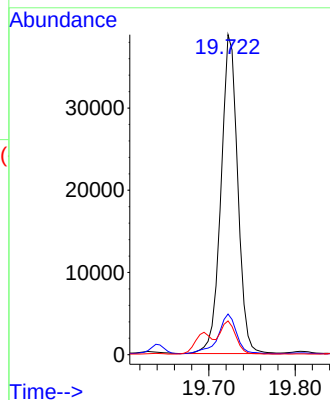
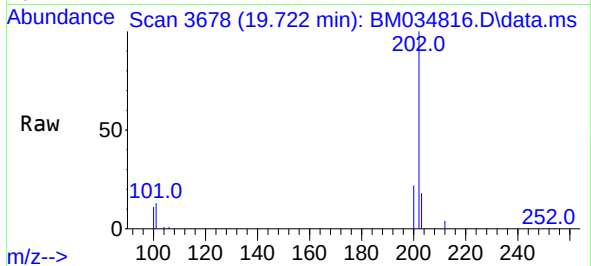
#20  
Pyrene  
Concen: 0.825 ng/ul  
RT: 19.722 min Scan# 30  
Delta R.T. -0.007 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL

Tgt Ion:202 Resp: 5229  
Ion Ratio Lower Upper  
202 100  
101 12.7 9.3 13.9  
100 10.6 7.8 11.6

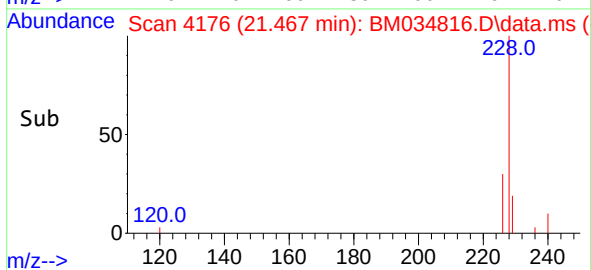
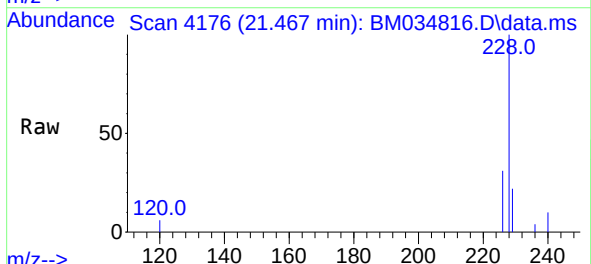
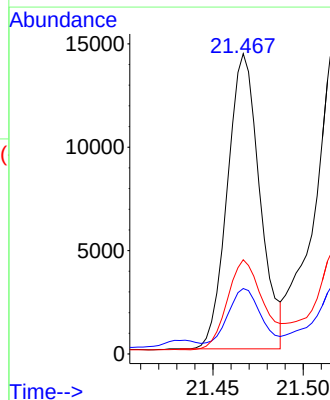
Manual Integrations  
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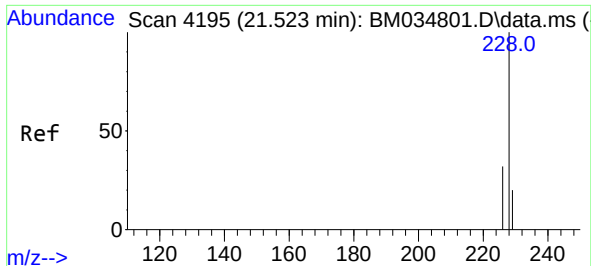
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022



#21  
Benzo(a)anthracene  
Concen: 0.349 ng/ul  
RT: 21.467 min Scan# 4176  
Delta R.T. -0.005 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

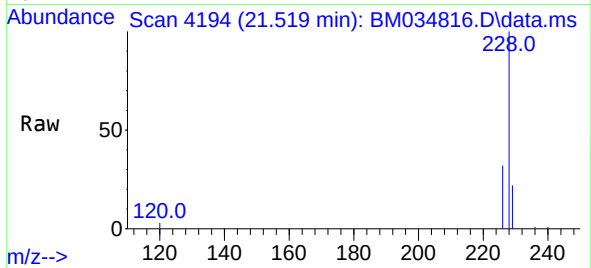
Tgt Ion:228 Resp: 17826  
Ion Ratio Lower Upper  
228 100  
229 21.8 17.3 25.9  
226 31.4 23.2 34.8





#22  
Chrysene  
Concen: 0.430 ng/ul  
RT: 21.519 min Scan# 4194  
Delta R.T. -0.005 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

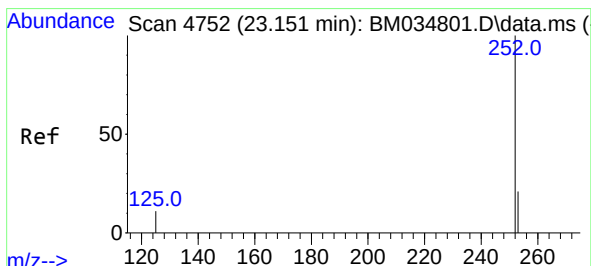
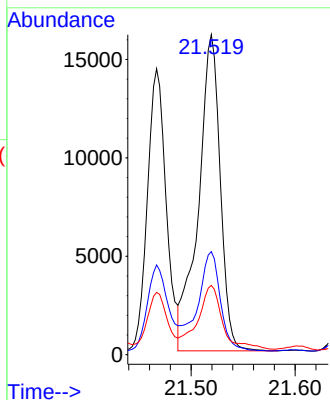
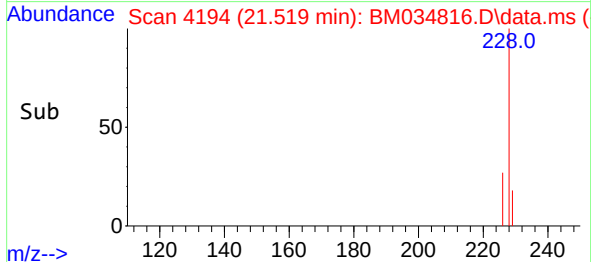
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



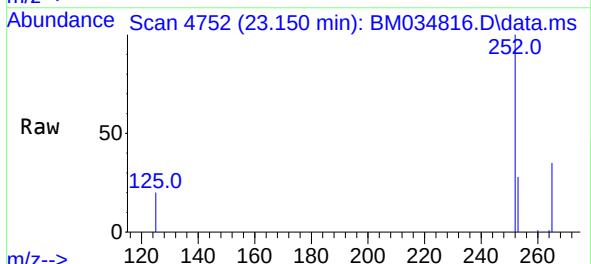
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Ion Ratio Lower Upper  
228 100  
226 32.2 25.8 38.8  
229 21.7 16.7 25.1

Manual Integrations  
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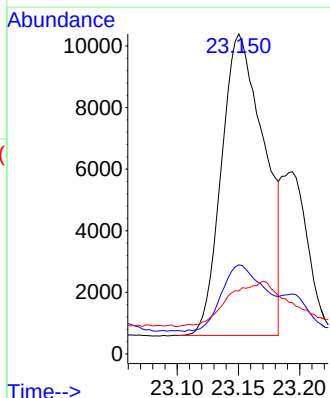
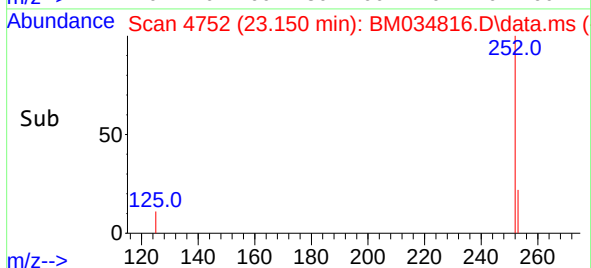
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022



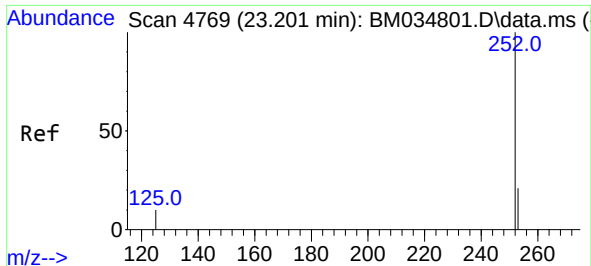
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Benzo(b)fluoranthene  
Concen: 0.378 ng/ul  
RT: 23.150 min Scan# 4752  
Delta R.T. -0.002 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24



Tgt Ion:252 Resp: 23809  
Ion Ratio Lower Upper  
252 100  
253 27.8 0.0 64.2  
125 19.7 0.0 28.8

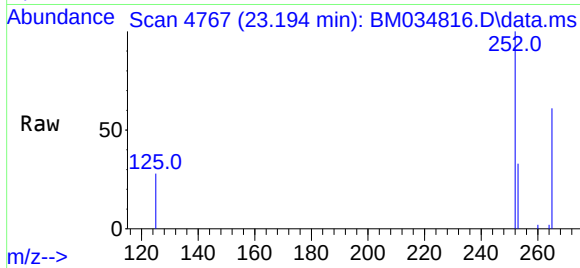






#25  
Benzo(k)fluoranthene  
Concen: 0.128 ng/ul m  
RT: 23.194 min Scan# 4769  
Delta R.T. -0.008 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

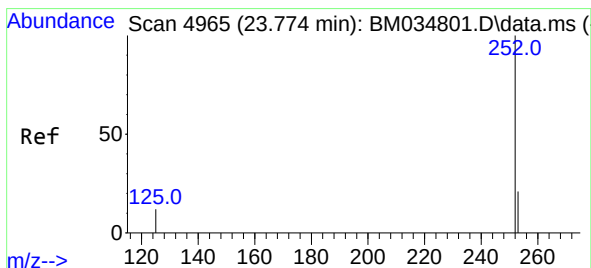
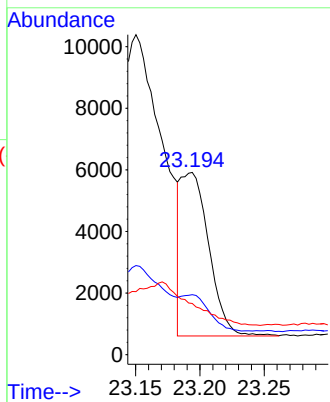
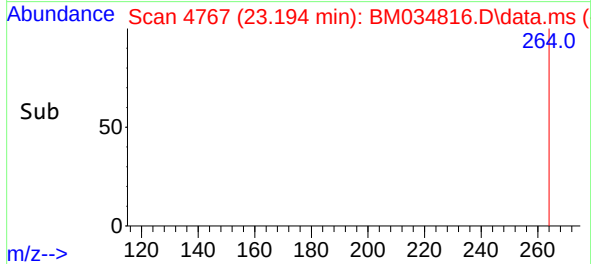
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



Tgt Ion:252 Resp: 8074  
Ion Ratio Lower Upper  
252 100  
253 32.9 26.8 40.2  
125 28.1 12.0 18.0

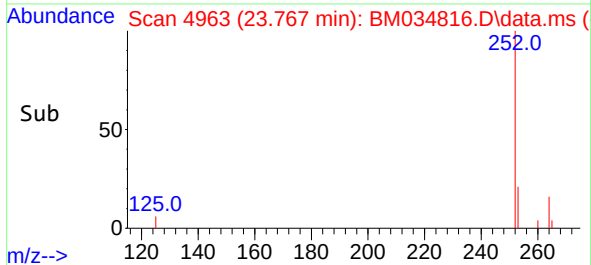
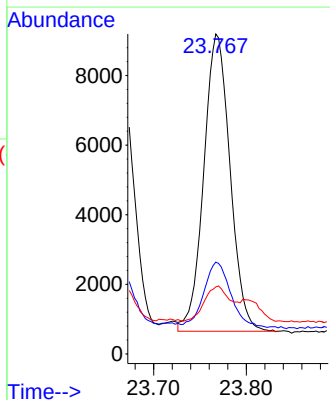
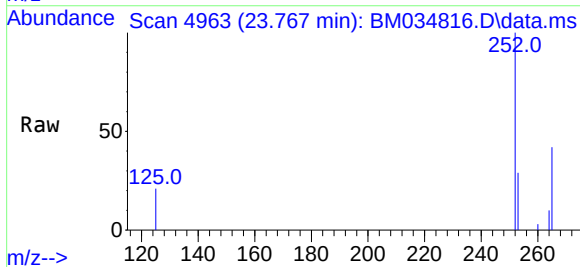
Manual Integrations  
APPROVED

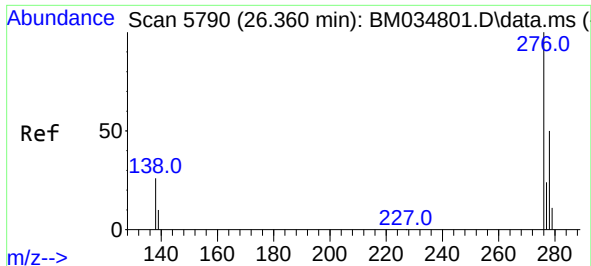
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022



#26  
Benzo(a)pyrene  
Concen: 0.329 ng/ul  
RT: 23.767 min Scan# 4963  
Delta R.T. -0.008 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

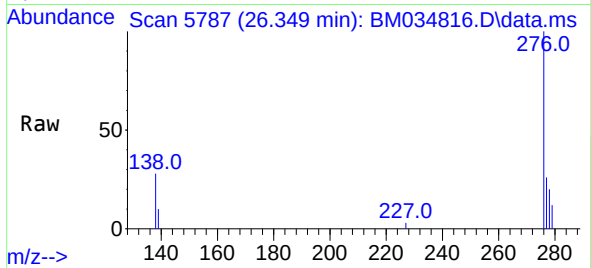
Tgt Ion:252 Resp: 16890  
Ion Ratio Lower Upper  
252 100  
253 28.7 32.0 48.0#  
125 21.0 14.5 21.7





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.166 ng/ul  
RT: 26.349 min Scan# 5787  
Delta R.T. -0.012 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

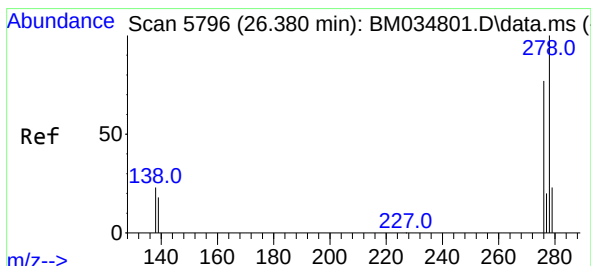
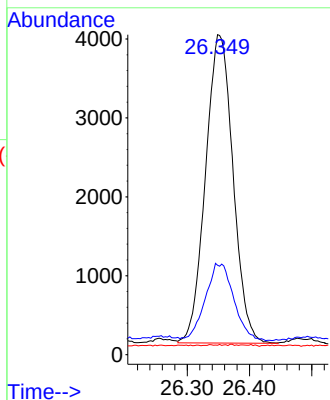
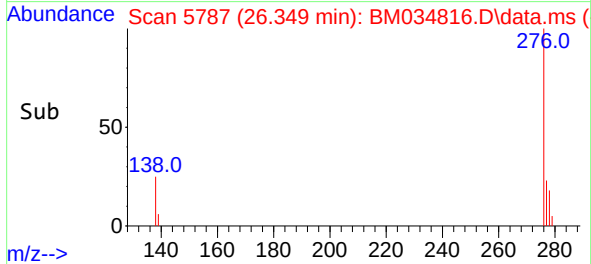
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



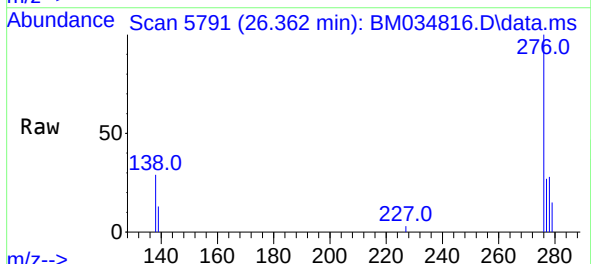
Tgt Ion: 276 Resp: 1199  
Ion Ratio Lower Upper  
276 100  
138 25.8 15.8 23.6  
227 0.1 0.0 0.0

Manual Integrations  
APPROVED

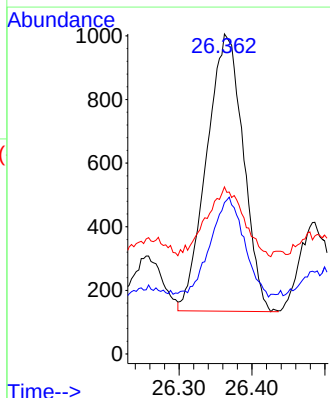
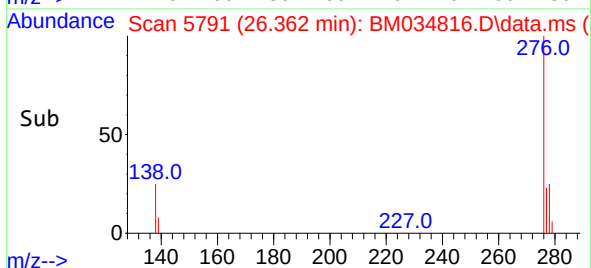
Reviewed By : Jagrut Upadhyay 04/26/2022  
Supervised By : Yogesh Patel 04/29/2022

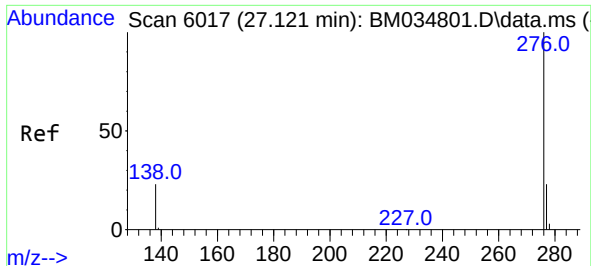


#28  
Dibenzo(a,h)anthracene  
Concen: 0.052 ng/ul  
RT: 26.362 min Scan# 5791  
Delta R.T. -0.022 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24



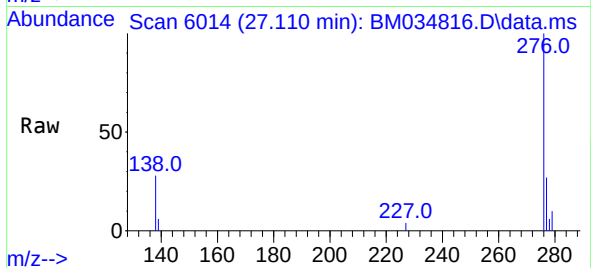
Tgt Ion: 278 Resp: 3033  
Ion Ratio Lower Upper  
278 100  
139 47.3 18.0 27.0#  
279 52.2 28.6 42.8#





#29  
Benzo(g,h,i)perylene  
Concen: 0.160 ng/ul  
RT: 27.110 min Scan# 6014  
Delta R.T. -0.009 min  
Lab File: BM034816.D  
Acq: 26 Apr 2022 01:24

Instrument :  
BNA\_M  
ClientSampleId :  
BFFD5DL



Tgt Ion:276 Resp: 9958  
Ion Ratio Lower Upper  
276 100  
138 28.0 17.4 26.0  
277 27.0 22.6 33.8

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

