

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042522\  
 Data File : BM034809.D  
 Acq On : 25 Apr 2022 21:14  
 Operator : CG/JU  
 Sample : N2373-01DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFFD2DL

Manual Integrations  
 APPROVED

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

Quant Time: Apr 26 03:07:04 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   | 7.943  | 152  | 6835     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.743 | 136  | 17051    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.570 | 164  | 8467     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.309 | 188  | 15902    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.488 | 240  | 11588    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.876 | 264  | 12223    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.386  | 96   | 3840     | 0.508 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.332 | 152  | 872      | 0.036 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.336 | 212  | 1824     | 0.050 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.793 | 128  | 1536     | 0.032 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.404 | 142  | 1171     | 0.036 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.618 | 142  | 1564     | 0.049 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.293 | 152  | 5011     | 0.135 | ng/ul  | 94       |
| 11) Acenaphthene            | 14.635 | 153  | 785      | 0.025 | ng/ul  | 96       |
| 12) Fluorene                | 15.616 | 166  | 2273     | 0.064 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.351 | 178  | 39727    | 0.756 | ng/ul  | 94       |
| 16) Anthracene              | 17.440 | 178  | 4855     | 0.104 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.364 | 202  | 40197    | 0.723 | ng/ul  | 98       |
| 20) Pyrene                  | 19.726 | 202  | 53433    | 0.956 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.471 | 228  | 15978    | 0.354 | ng/ul  | 96       |
| 22) Chrysene                | 21.523 | 228  | 22097    | 0.460 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.157 | 252  | 19605    | 0.351 | ng/ul  | 89       |
| 25) Benzo(k)fluoranthene    | 23.195 | 252  | 7786m    | 0.140 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.774 | 252  | 15601    | 0.343 | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.353 | 276  | 10360    | 0.162 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.366 | 278  | 2835     | 0.054 | ng/ul# | 63       |
| 29) Benzo(g,h,i)perylene    | 27.114 | 276  | 9987     | 0.181 | ng/ul# | 93       |
| -----                       |        |      |          |       |        |          |

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

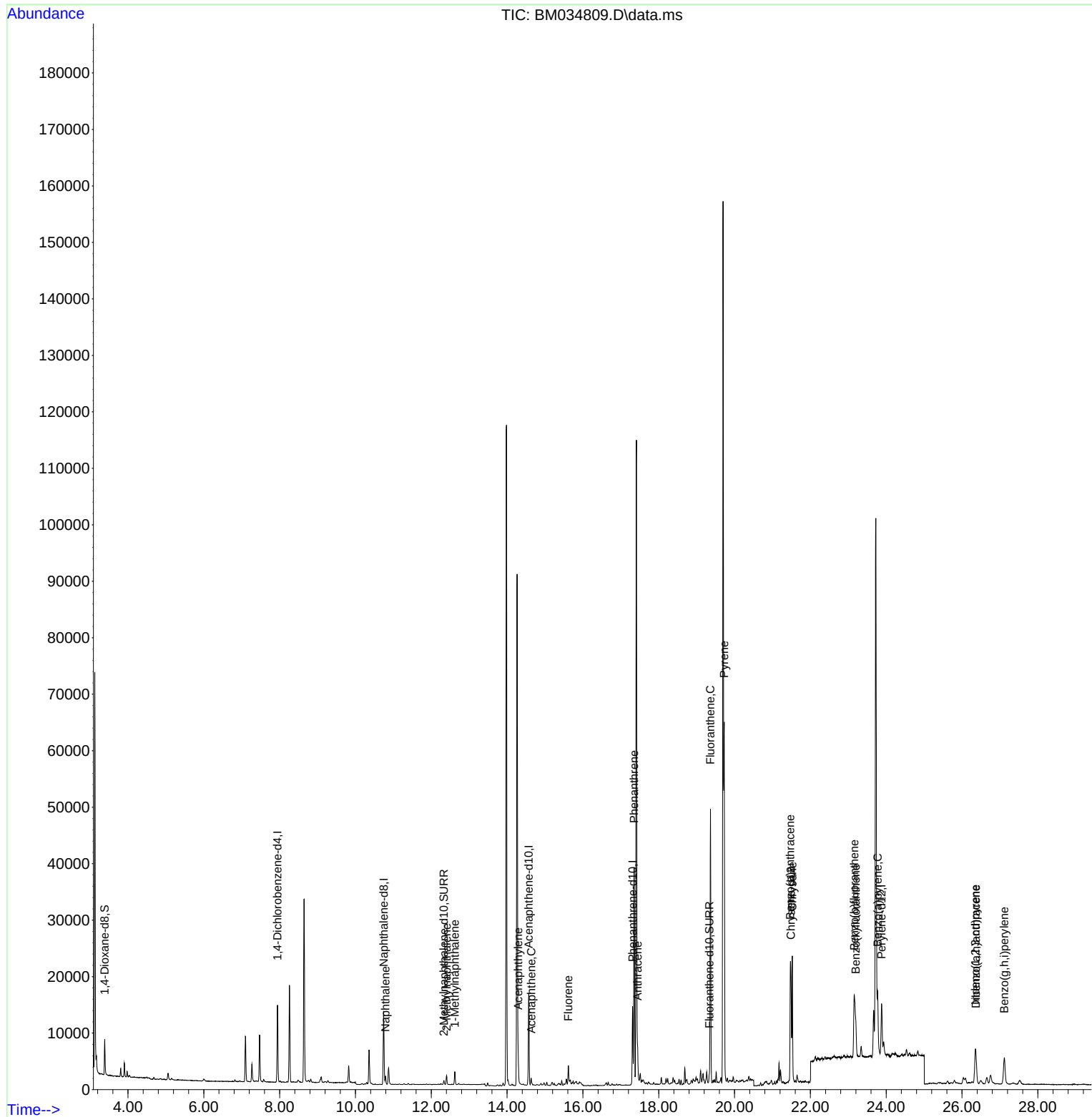
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042522\  
Data File : BM034809.D  
Acq On : 25 Apr 2022 21:14  
Operator : CG/JU  
Sample : N2373-01DL 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

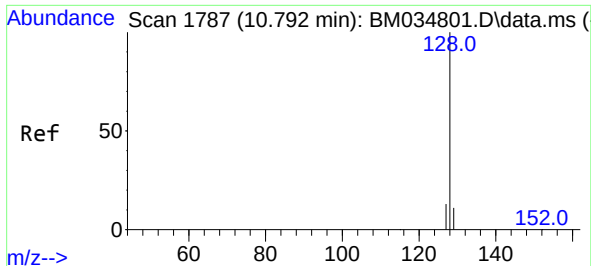
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL

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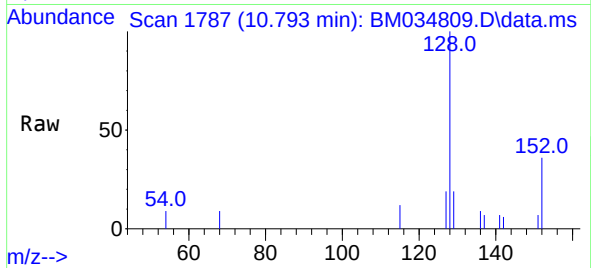
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 22 16:54:34 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.032 ng/ul  
RT: 10.793 min Scan# 1787  
Delta R.T. -0.004 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

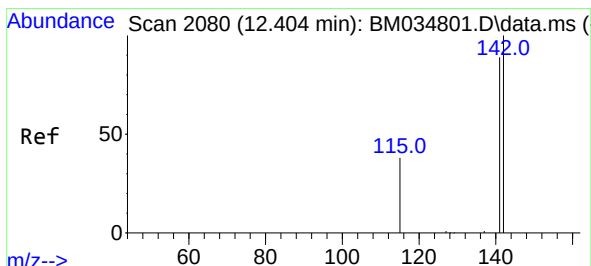
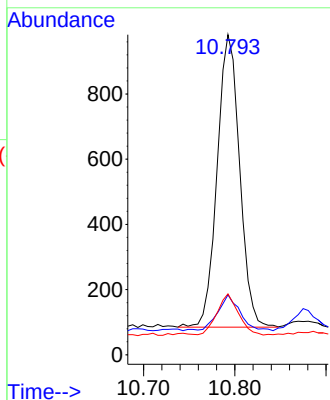
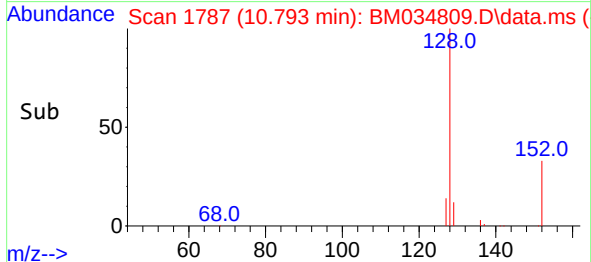
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



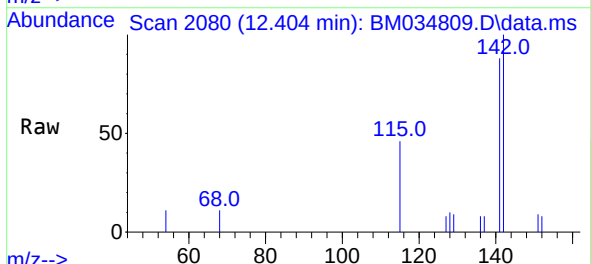
Tgt Ion:128 Resp: 1530  
Ion Ratio Lower Upper  
128 100  
129 18.7 13.4 20.2  
127 19.0 15.2 22.8

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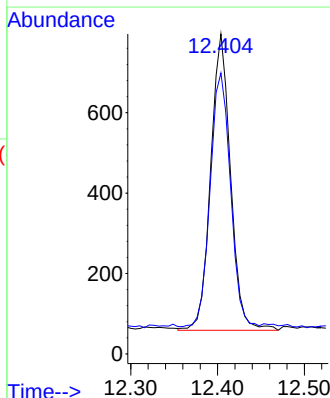
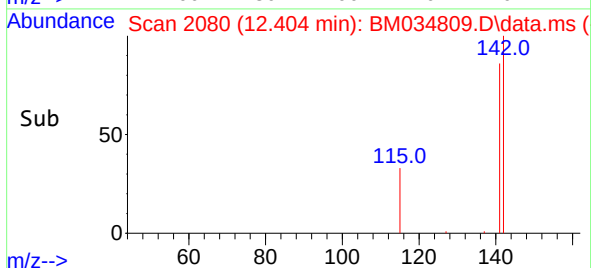
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

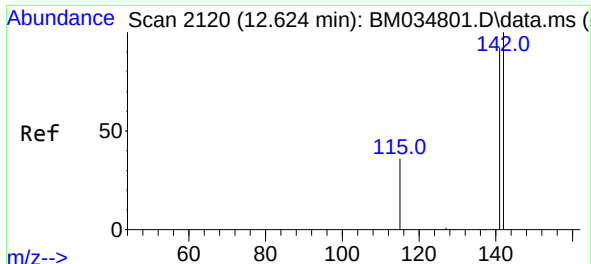


#7  
2-Methylnaphthalene  
Concen: 0.036 ng/ul  
RT: 12.404 min Scan# 2080  
Delta R.T. -0.004 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



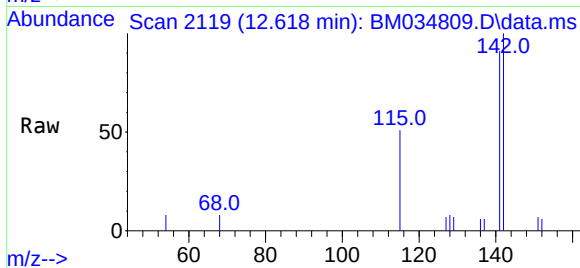
Tgt Ion:142 Resp: 1171  
Ion Ratio Lower Upper  
142 100  
141 86.9 71.8 107.6





#8  
1-Methylnaphthalene  
Concen: 0.049 ng/ul  
RT: 12.618 min Scan# 2119  
Delta R.T. -0.010 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

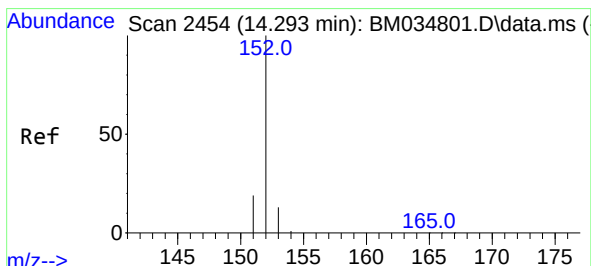
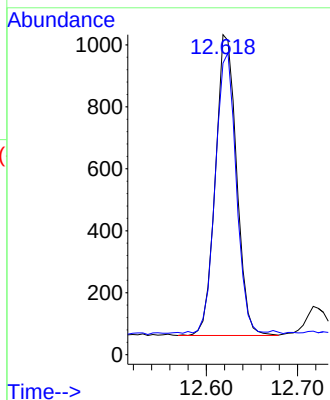
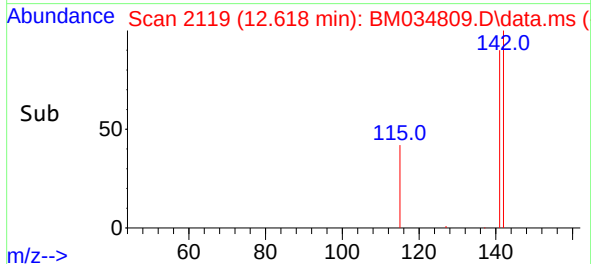
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



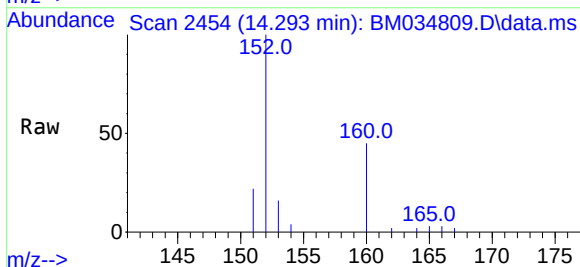
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Ion Ratio Lower Upper  
142 100  
141 92.6 75.0 112.4

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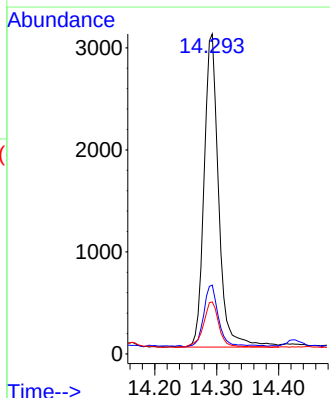
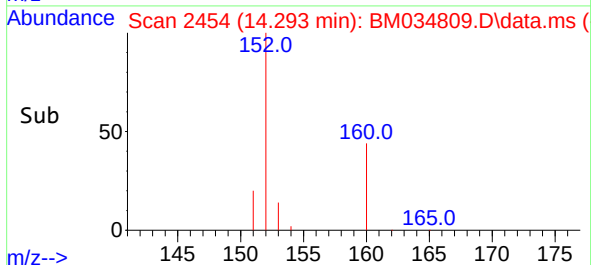
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

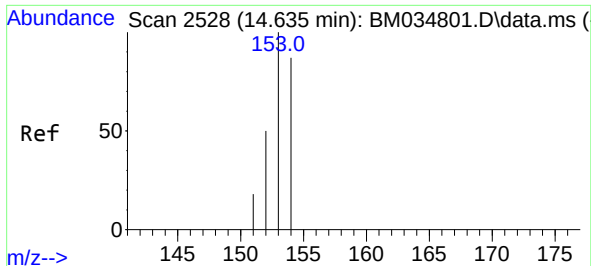


#10  
Acenaphthylene  
Concen: 0.135 ng/ul  
RT: 14.293 min Scan# 2454  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



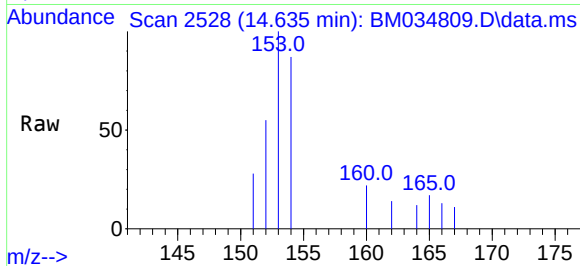
Tgt Ion:152 Resp: 5011  
Ion Ratio Lower Upper  
152 100  
151 21.5 19.9 29.9  
153 16.3 15.0 22.4





#11  
Acenaphthene  
Concen: 0.025 ng/u1  
RT: 14.635 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

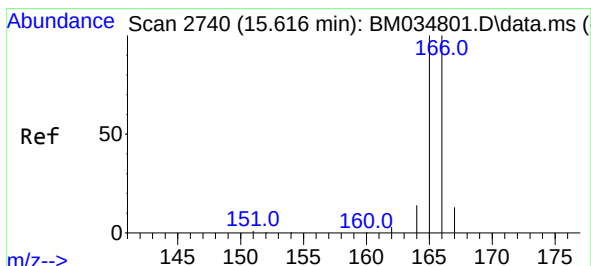
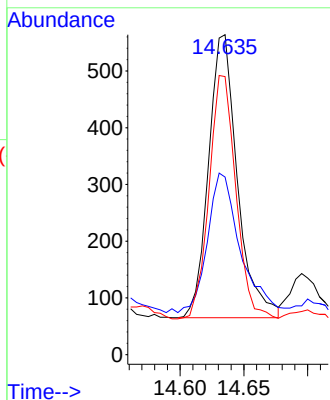
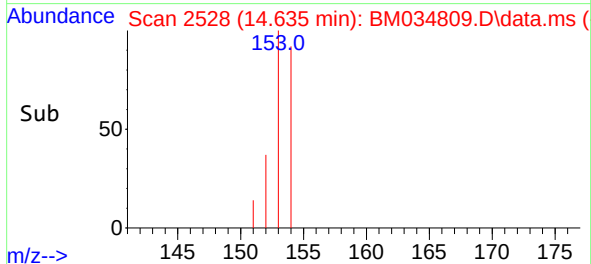
Instrument :  
BNA\_M  
ClientSampleId :  
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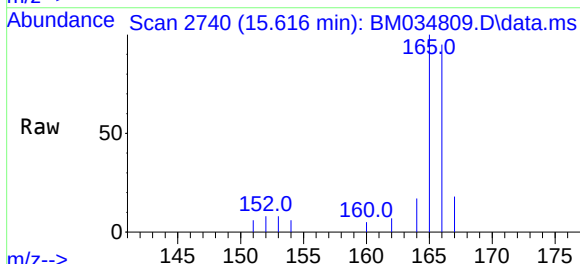
Tgt Ion:153 Resp: 789  
Ion Ratio Lower Upper  
153 100  
152 55.5 42.4 63.6  
154 86.9 66.2 99.2

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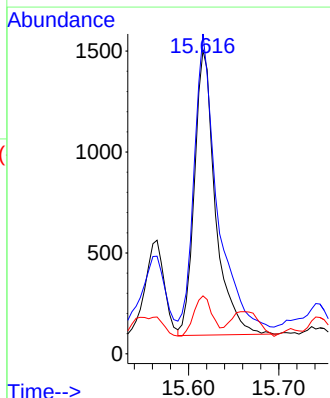
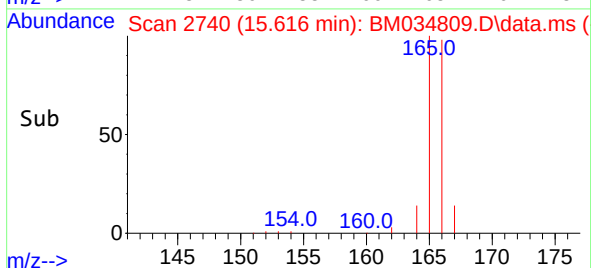
Reviewed By :Jagrut Upadhyay 04/26/2022  
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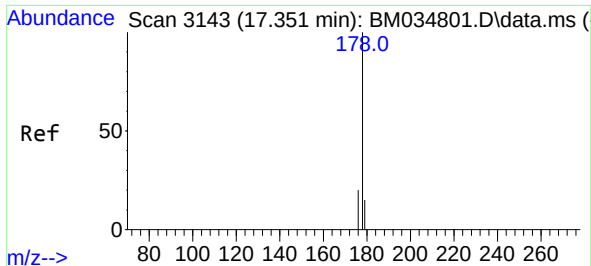


#12  
Fluorene  
Concen: 0.064 ng/u1  
RT: 15.616 min Scan# 2740  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



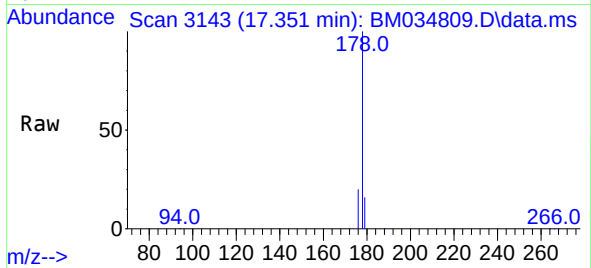
Tgt Ion:166 Resp: 2273  
Ion Ratio Lower Upper  
166 100  
165 105.3 81.1 121.7  
167 19.1 14.9 22.3





#15  
Phenanthrene  
Concen: 0.756 ng/u1  
RT: 17.351 min Scan# 3143  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

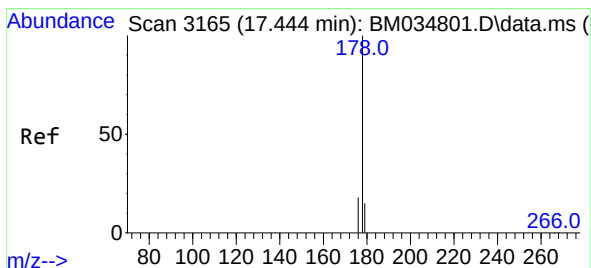
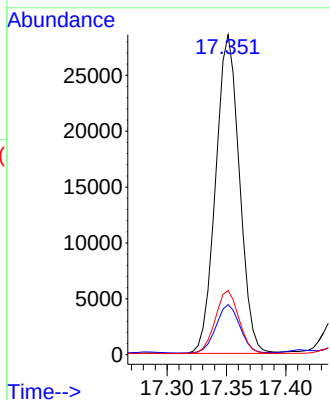
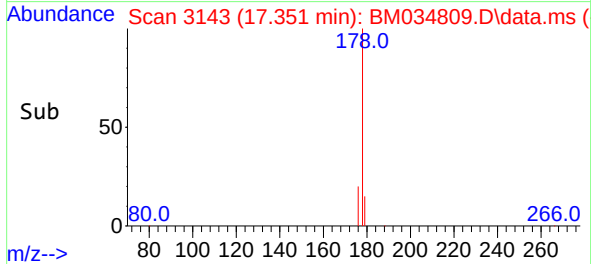
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



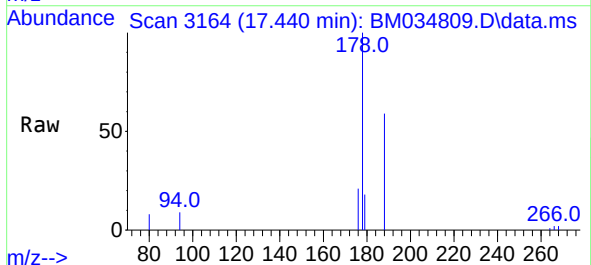
Tgt Ion:178 Resp: 3972  
Ion Ratio Lower Upper  
178 100  
179 15.7 15.0 22.6  
176 20.0 17.9 26.9

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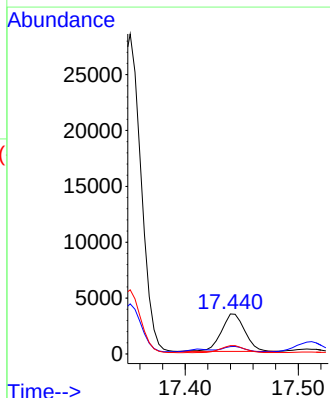
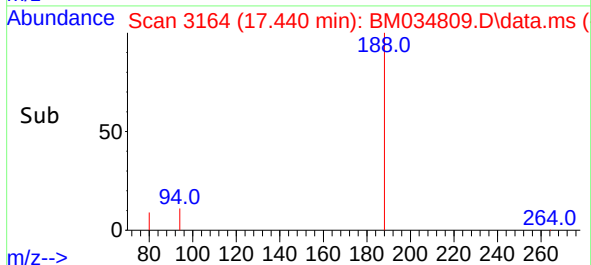
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

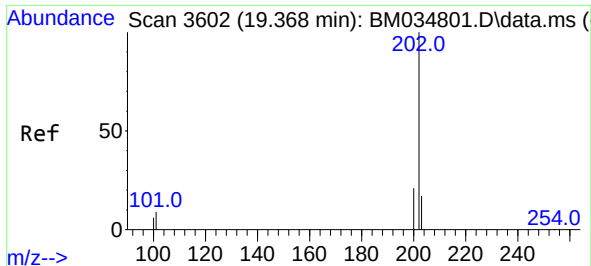


#16  
Anthracene  
Concen: 0.104 ng/u1  
RT: 17.440 min Scan# 3164  
Delta R.T. -0.007 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



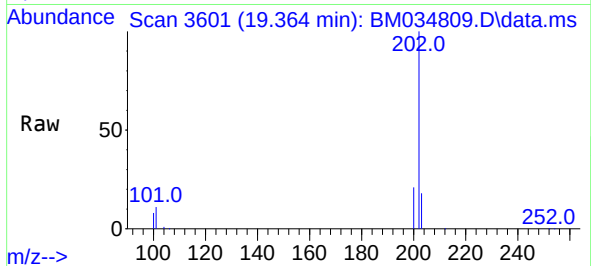
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Ion Ratio Lower Upper  
178 100  
179 18.4 16.5 24.7  
176 21.0 18.3 27.5





#19  
Fluoranthene  
Concen: 0.723 ng/u1  
RT: 19.364 min Scan# 3601  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

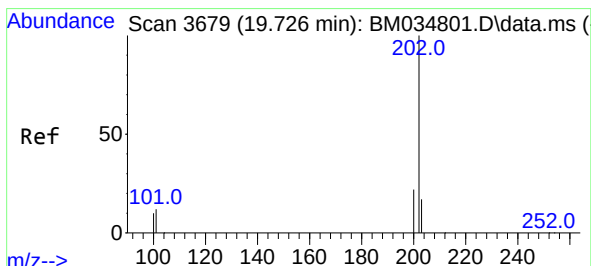
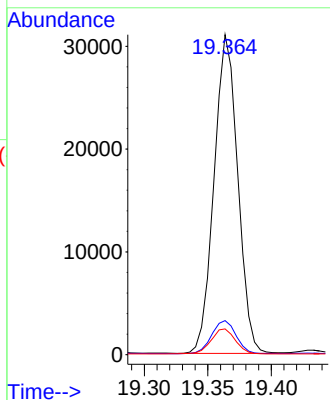
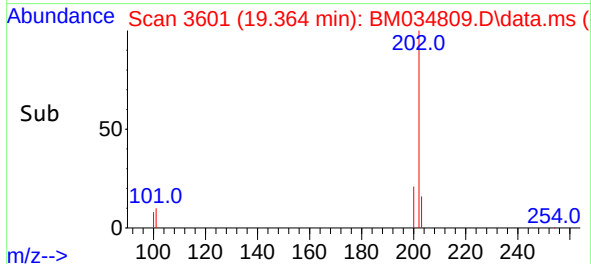
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



Tgt Ion:202 Resp: 40197  
Ion Ratio Lower Upper  
202 100  
101 10.6 9.2 13.8  
100 8.1 7.2 10.8

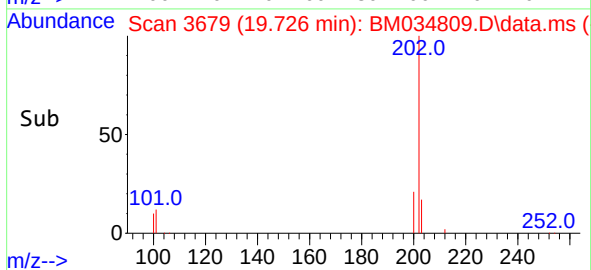
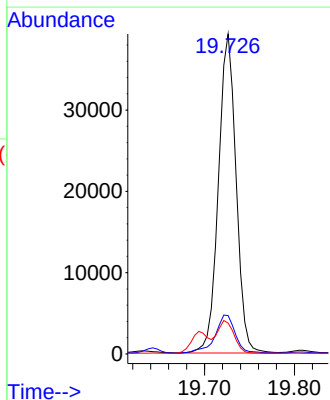
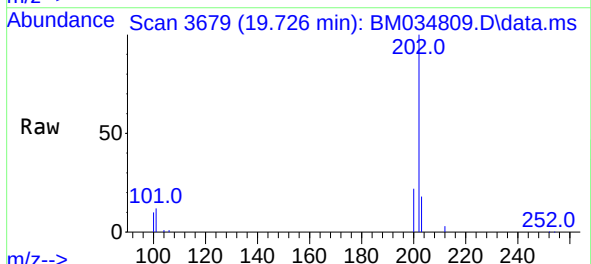
Manual Integrations  
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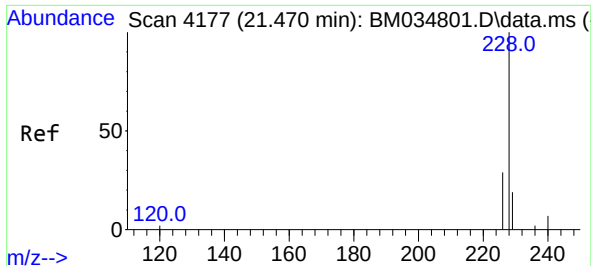
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022



#20  
Pyrene  
Concen: 0.956 ng/u1  
RT: 19.726 min Scan# 3679  
Delta R.T. -0.003 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

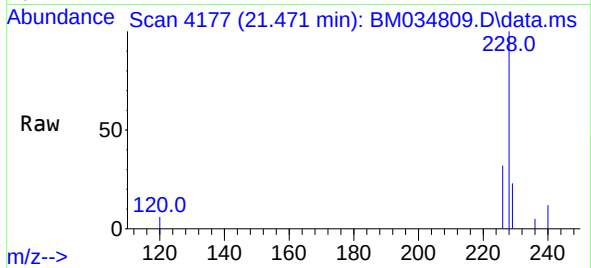
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Ion Ratio Lower Upper  
202 100  
101 12.0 9.3 13.9  
100 9.7 7.8 11.6





#21  
Benzo(a)anthracene  
Concen: 0.354 ng/u1  
RT: 21.471 min Scan# 4177  
Delta R.T. -0.001 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

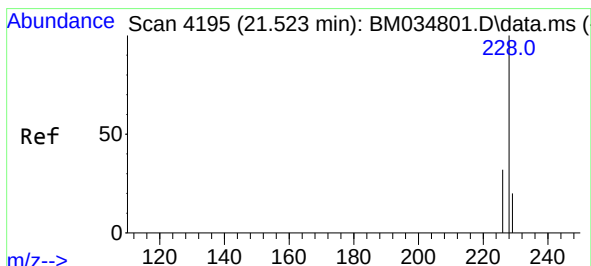
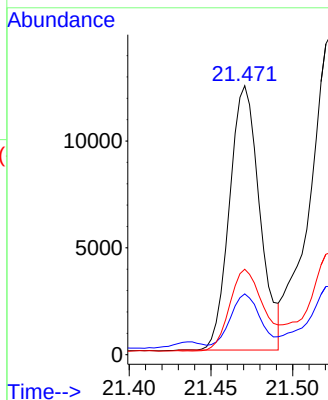
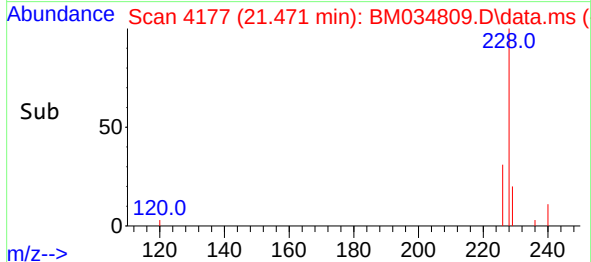
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



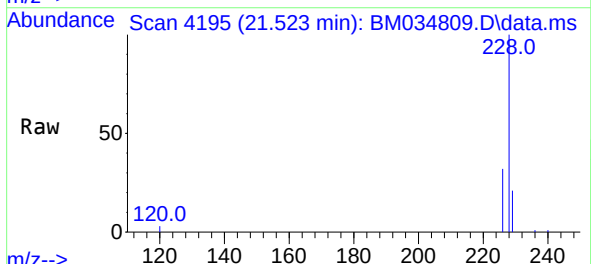
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228 100  
229 22.6 17.3 25.9  
226 31.8 23.2 34.8

Manual Integrations  
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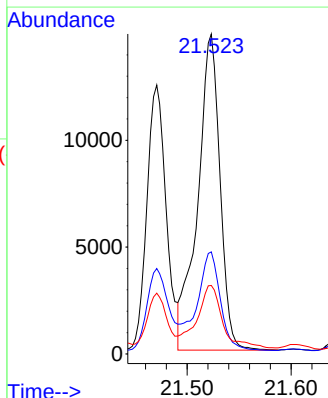
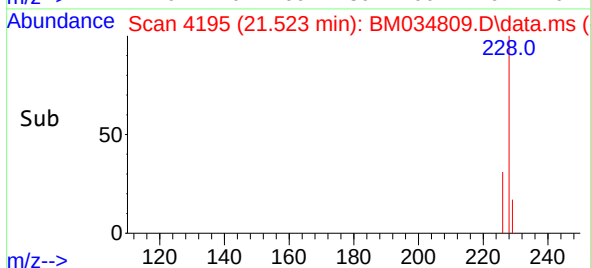
Reviewed By :Jagrut Upadhyay 04/26/2022  
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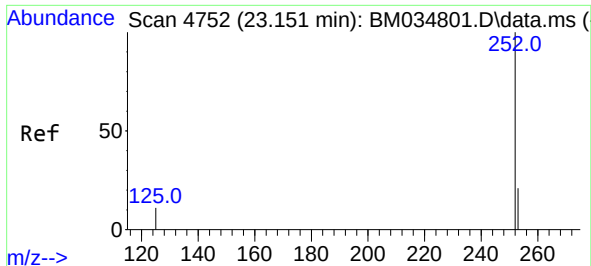
#22  
Chrysene  
Concen: 0.460 ng/u1  
RT: 21.523 min Scan# 4195  
Delta R.T. -0.001 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



Tgt Ion:228 Resp: 22097  
Ion Ratio Lower Upper  
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229 21.4 16.7 25.1

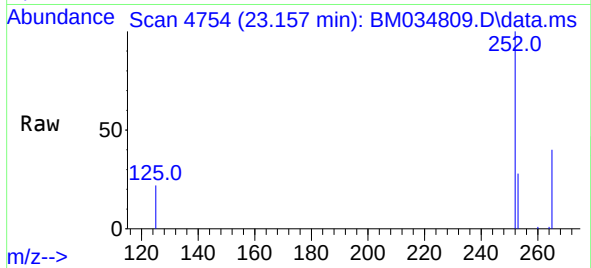






#24  
Benzo(b)fluoranthene  
Concen: 0.351 ng/ul  
RT: 23.157 min Scan# 4754  
Delta R.T. 0.005 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

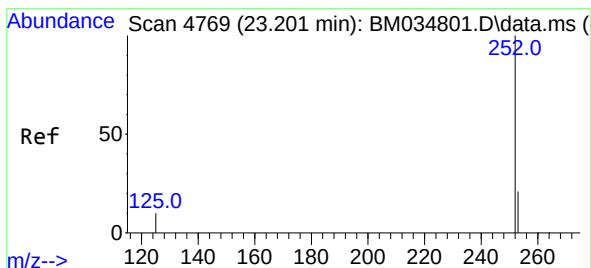
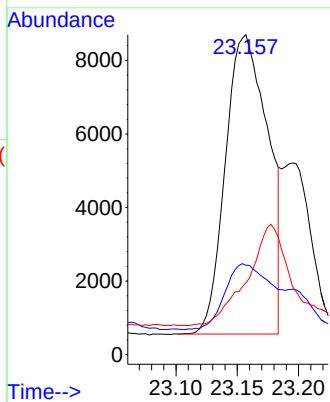
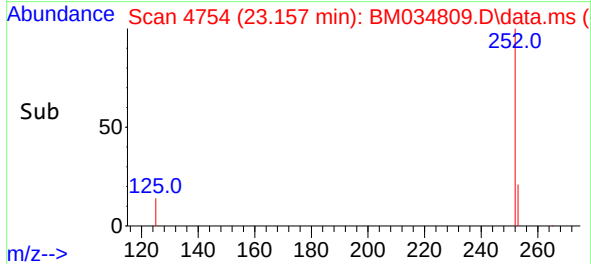
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



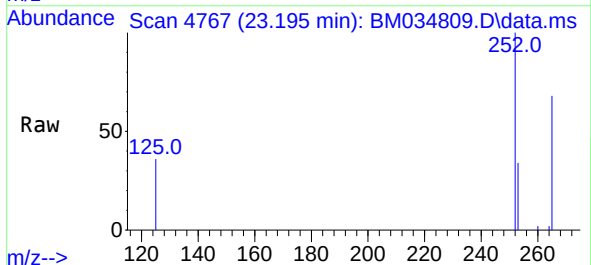
Tgt Ion:252 Resp: 1960  
Ion Ratio Lower Upper  
252 100  
253 28.0 0.0 64.2  
125 22.4 0.0 28.8

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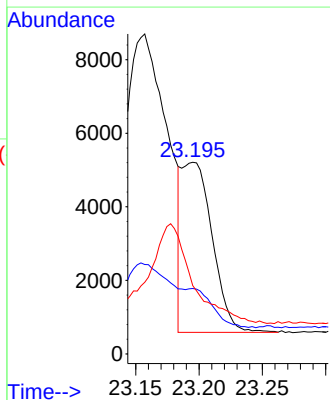
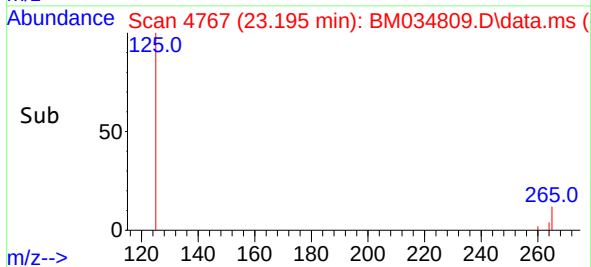
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022

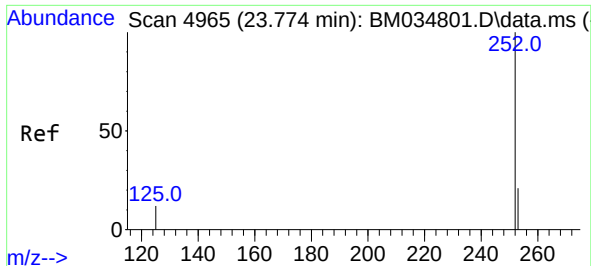


#25  
Benzo(k)fluoranthene  
Concen: 0.140 ng/ul m  
RT: 23.195 min Scan# 4767  
Delta R.T. -0.007 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



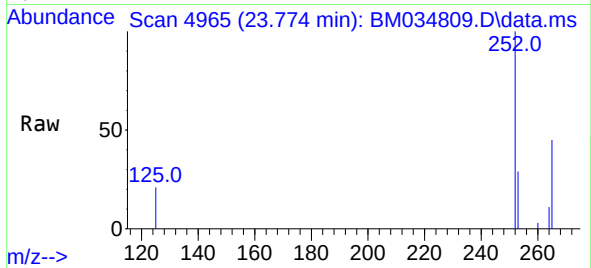
Tgt Ion:252 Resp: 7786  
Ion Ratio Lower Upper  
252 100  
253 34.2 26.8 40.2  
125 35.6 12.0 18.0#





#26  
Benzo(a)pyrene  
Concen: 0.343 ng/ul  
RT: 23.774 min Scan# 4965  
Delta R.T. -0.001 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

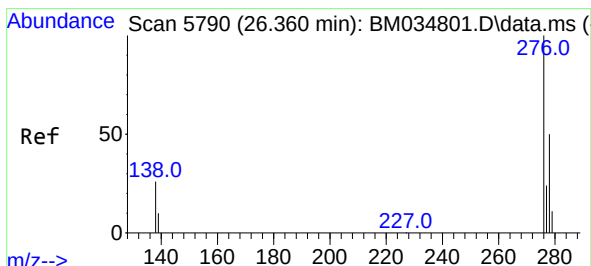
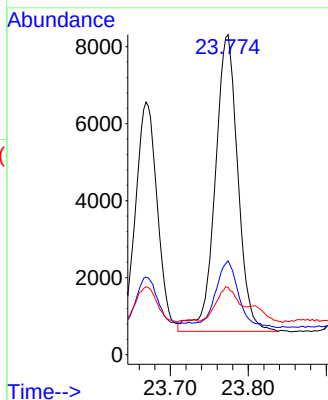
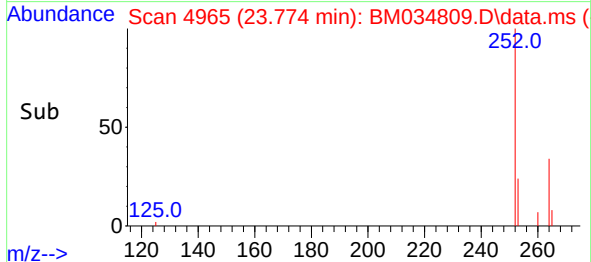
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



Tgt Ion:252 Resp: 1560  
Ion Ratio Lower Upper  
252 100  
253 29.3 32.0 48.0  
125 21.0 14.5 21.7

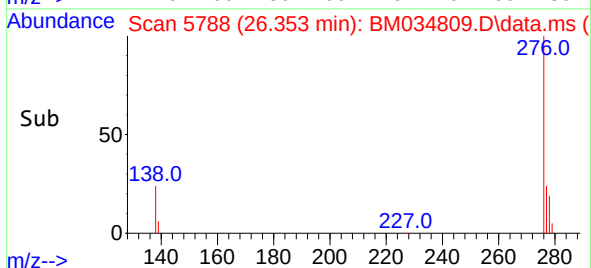
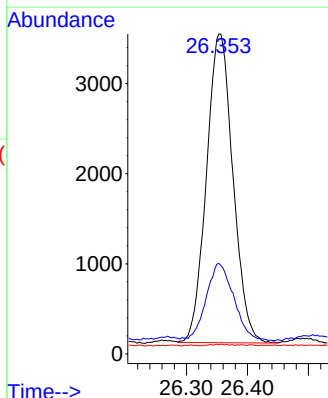
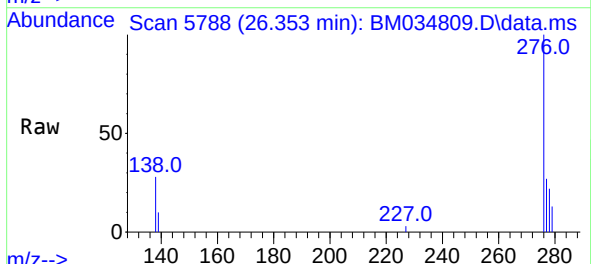
Manual Integrations  
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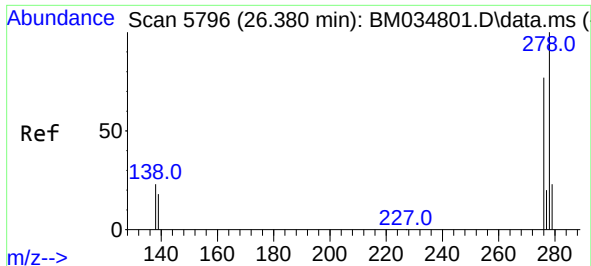
Reviewed By :Jagrut Upadhyay 04/26/2022  
Supervised By :Yogesh Patel 04/29/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.162 ng/ul  
RT: 26.353 min Scan# 5788  
Delta R.T. -0.008 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

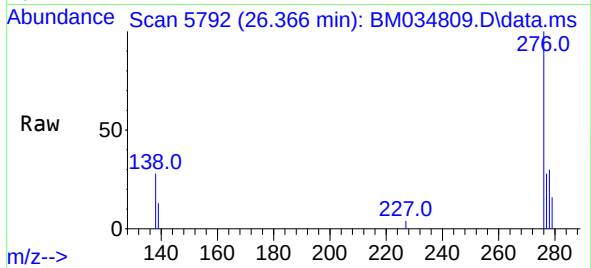
Tgt Ion:276 Resp: 10360  
Ion Ratio Lower Upper  
276 100  
138 26.1 15.8 23.6#  
227 0.3 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.054 ng/ul  
RT: 26.366 min Scan# 5796  
Delta R.T. -0.018 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14

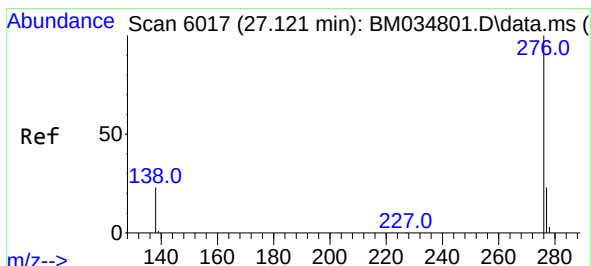
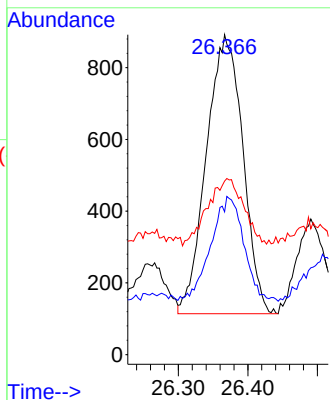
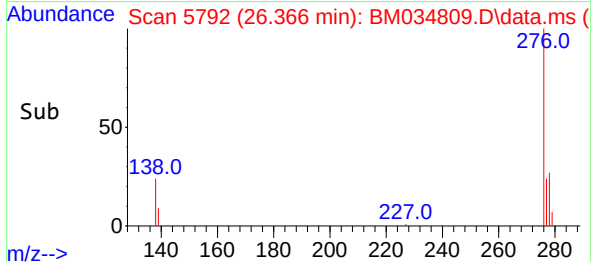
Instrument :  
BNA\_M  
ClientSampleId :  
BFFD2DL



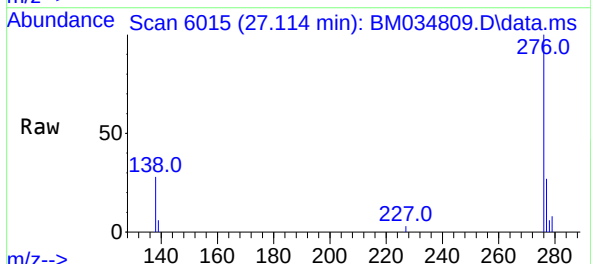
Tgt Ion:278 Resp: 2835  
Ion Ratio Lower Upper  
278 100  
139 44.6 18.0 27.0  
279 54.3 28.6 42.8

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 0.181 ng/ul  
RT: 27.114 min Scan# 6015  
Delta R.T. -0.005 min  
Lab File: BM034809.D  
Acq: 25 Apr 2022 21:14



Tgt Ion:276 Resp: 9987  
Ion Ratio Lower Upper  
276 100  
138 27.7 17.4 26.0  
277 26.7 22.6 33.8

