

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111824\  
 Data File : BM048794.D  
 Acq On : 19 Nov 2024 02:18  
 Operator : RC/JU  
 Sample : P4803-06DL 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A0AQ1DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2024  
 Supervised By :mohammad ahmed 11/20/2024

Quant Time: Nov 19 03:46:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM110624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 18 23:00:29 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.629  | 152  | 3380m    | 0.400 | ng/ul  | -0.12    |
| 4) Naphthalene-d8           | 10.410 | 136  | 10260    | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.272 | 164  | 5614     | 0.400 | ng/ul  | -0.03    |
| 13) Phenanthrene-d10        | 17.020 | 188  | 11981m   | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.220 | 240  | 10097m   | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.418 | 264  | 9448m    | 0.400 | ng/ul  | -0.03    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.085  | 96   | 10514    | 2.578 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.026 | 152  | 1924     | 0.145 | ng/ul  | -0.07    |
| 18) Fluoranthene-d10        | 19.054 | 212  | 5330     | 0.188 | ng/ul  | -0.03    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.459 | 128  | 5534     | 0.215 | ng/ul# | 91       |
| 7) 2-Methylnaphthalene      | 12.098 | 142  | 1133     | 0.070 | ng/ul# | 36       |
| 8) 1-Methylnaphthalene      | 12.312 | 142  | 3805     | 0.230 | ng/ul  | 97       |
| 10) Acenaphthylene          | 13.990 | 152  | 1240     | 0.058 | ng/ul# | 64       |
| 11) Acenaphthene            | 14.337 | 153  | 13353    | 0.783 | ng/ul  | 98       |
| 12) Fluorene                | 15.327 | 166  | 13885    | 0.749 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.062 | 178  | 14208m   | 0.451 | ng/ul  |          |
| 16) Anthracene              | 17.155 | 178  | 7106m    | 0.243 | ng/ul  |          |
| 19) Fluoranthene            | 19.087 | 202  | 17212    | 0.460 | ng/ul  | 99       |
| 20) Pyrene                  | 19.445 | 202  | 13639    | 0.336 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.205 | 228  | 1798     | 0.054 | ng/ul# | 71       |
| 22) Chrysene                | 21.255 | 228  | 1424     | 0.036 | ng/ul# | 69       |
| -----                       |        |      |          |       |        |          |

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

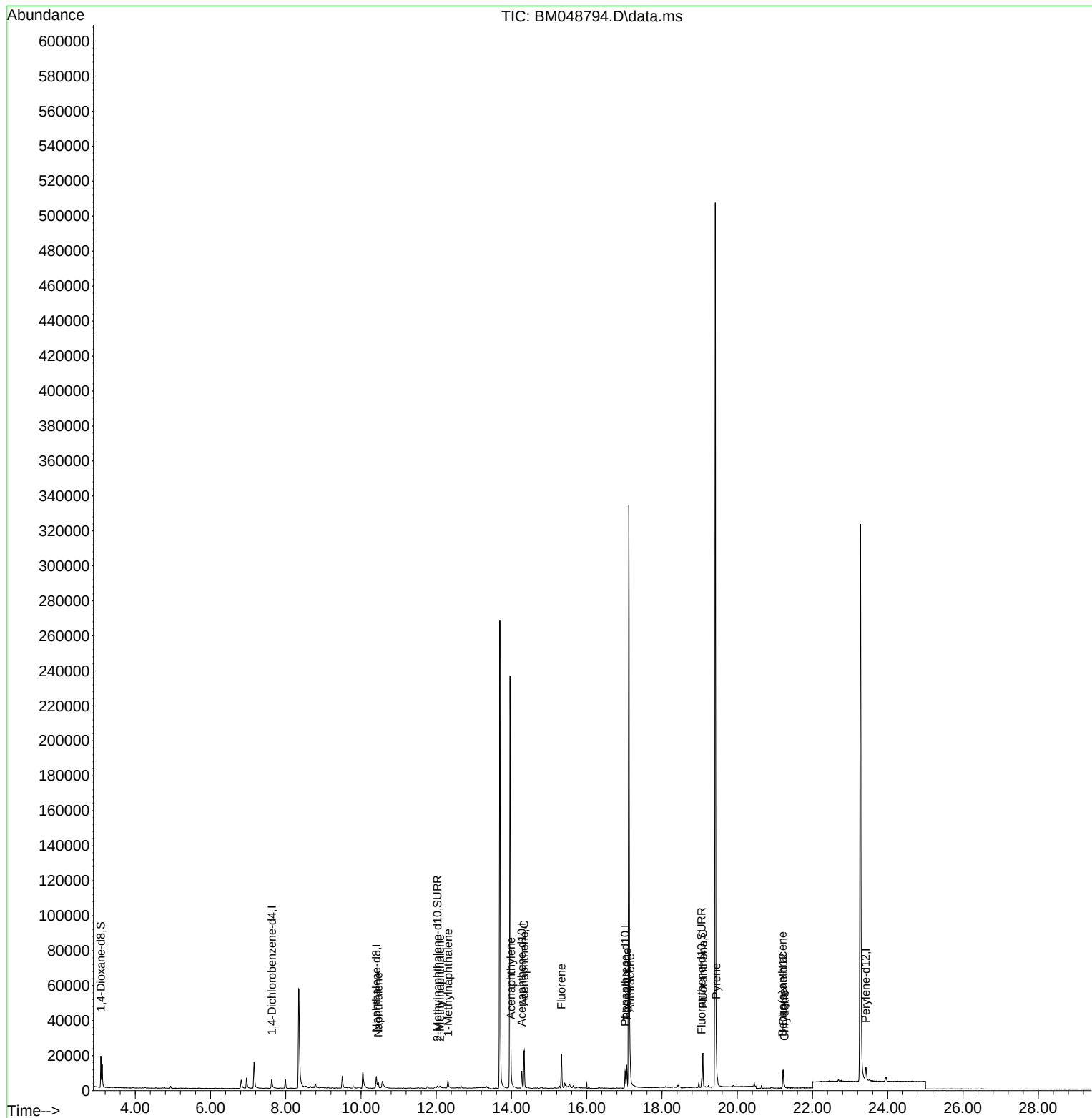
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111824\  
Data File : BM048794.D  
Acq On : 19 Nov 2024 02:18  
Operator : RC/JU  
Sample : P4803-06DL 2X  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

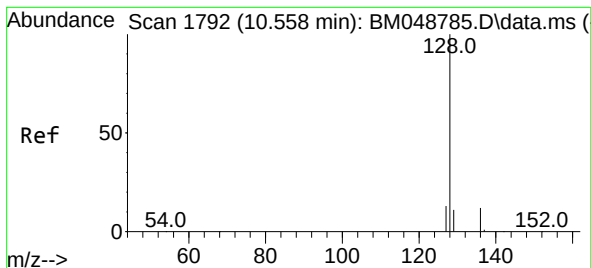
Instrument :  
BNA\_M  
ClientSampleId :  
A0AQ1DL

Manual Integrations  
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Supervised By :mohammad ahmed 11/20/2024

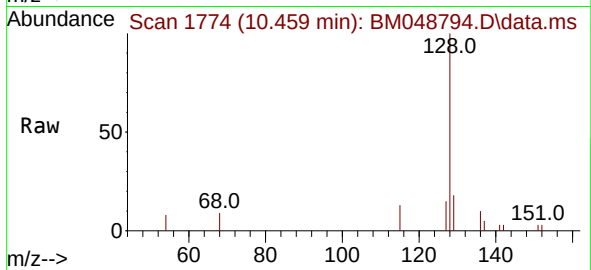
Quant Time: Nov 19 03:46:13 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM110624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 18 23:00:29 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.215 ng/ul  
RT: 10.459 min Scan# 11  
Delta R.T. -0.077 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

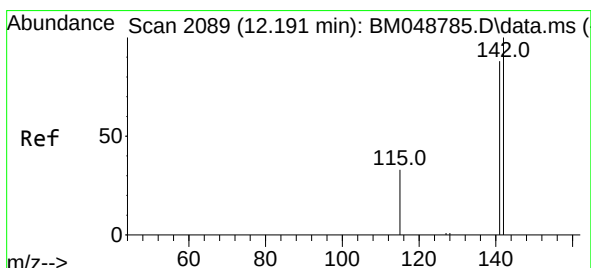
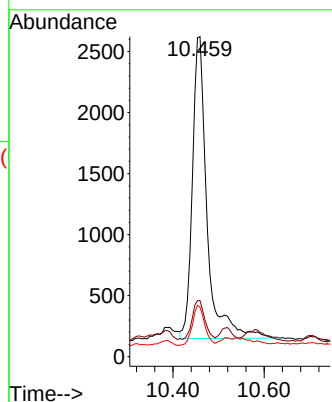
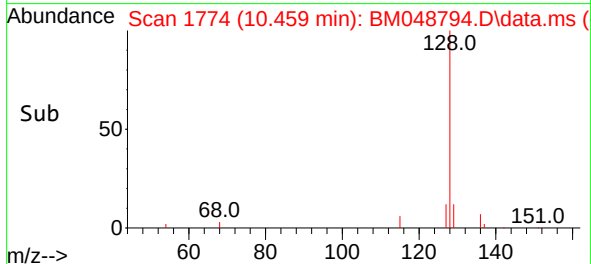
Instrument :  
BNA\_M  
ClientSampleId :  
A0AQ1DL



Tgt Ion:128 Resp: 5534  
Ion Ratio Lower Upper  
128 100  
129 17.5 10.0 15.0  
127 15.5 10.9 16.3

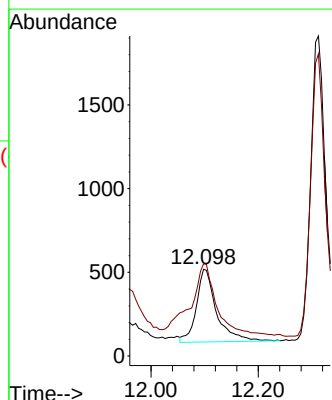
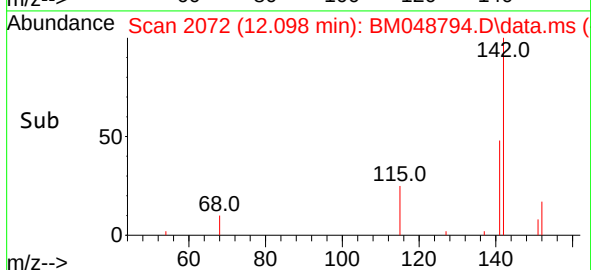
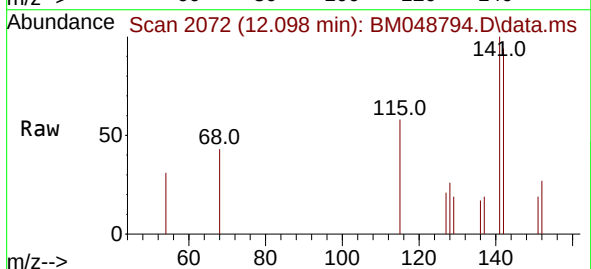
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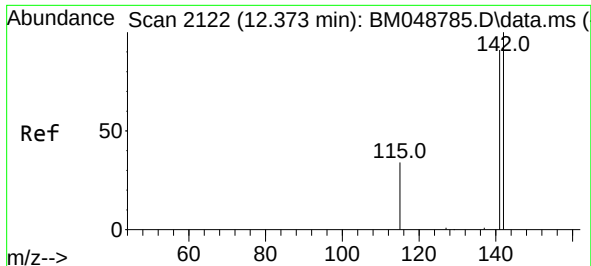
Reviewed By :Jagrut Upadhyay 11/19/2024  
Supervised By :mohammad ahmed 11/20/2024



#7  
2-Methylnaphthalene  
Concen: 0.070 ng/ul  
RT: 12.098 min Scan# 2072  
Delta R.T. -0.061 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

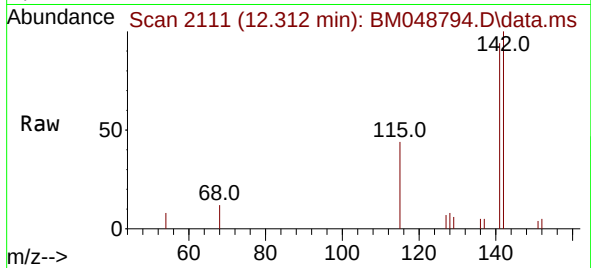
Tgt Ion:142 Resp: 1133  
Ion Ratio Lower Upper  
142 100  
141 144.4 68.6 103.0#





#8  
1-Methylnaphthalene  
Concen: 0.230 ng/ul  
RT: 12.312 min Scan# 2111  
Delta R.T. -0.044 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

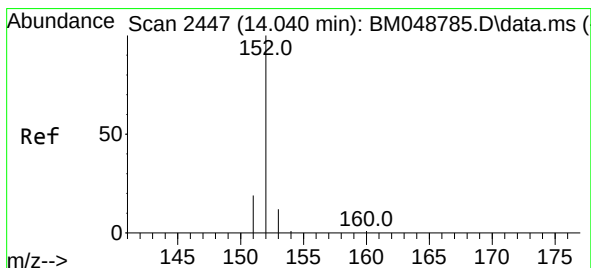
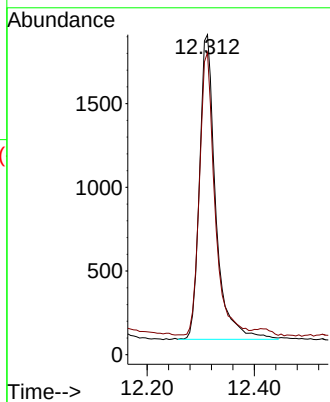
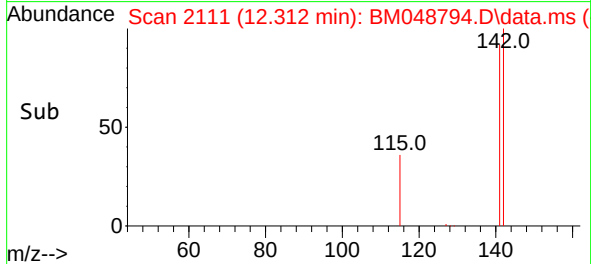
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BNA\_M  
ClientSampleId :  
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Tgt Ion:142 Resp: 380  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.8 109.2

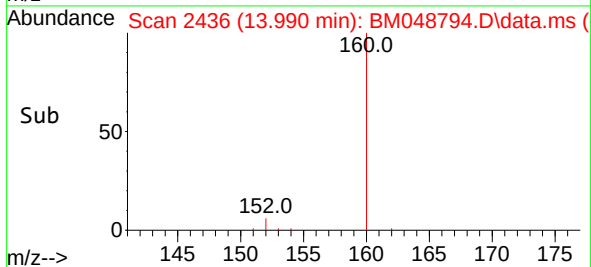
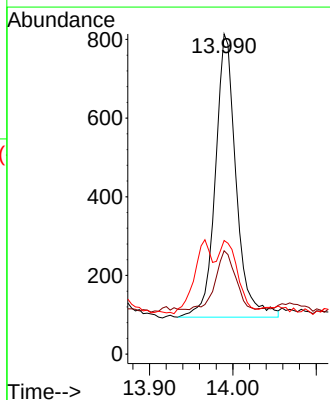
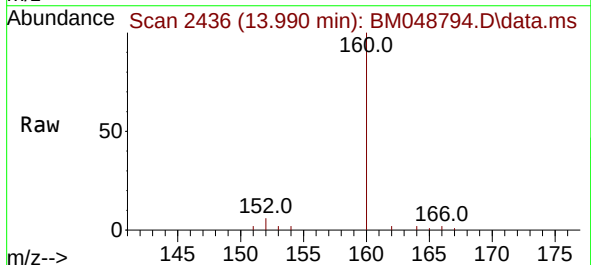
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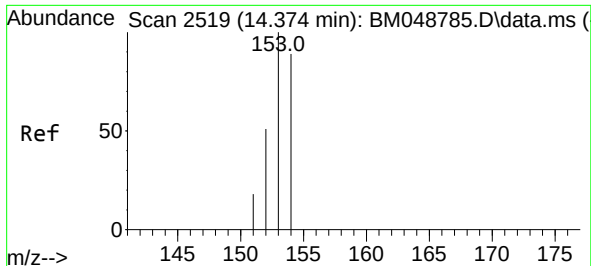
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Supervised By :mohammad ahmed 11/20/2024



#10  
Acenaphthylene  
Concen: 0.058 ng/ul  
RT: 13.990 min Scan# 2436  
Delta R.T. -0.042 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

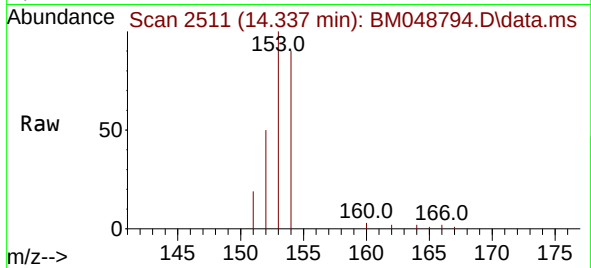
Tgt Ion:152 Resp: 1240  
Ion Ratio Lower Upper  
152 100  
151 32.3 16.5 24.7#  
153 35.5 11.6 17.4#





#11  
Acenaphthene  
Concen: 0.783 ng/ul  
RT: 14.337 min Scan# 2111  
Delta R.T. -0.028 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

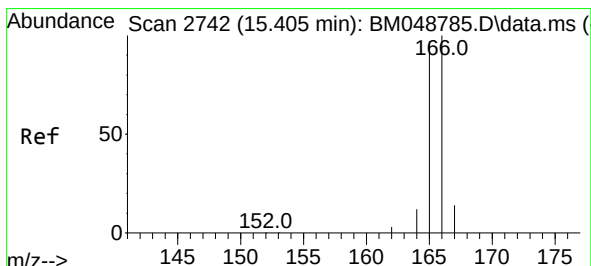
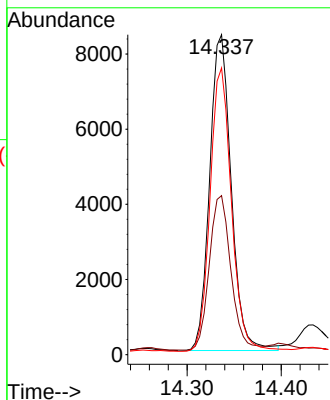
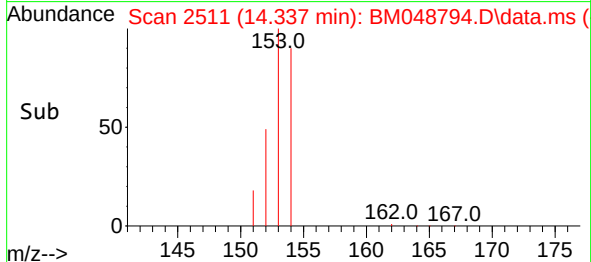
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:153 Resp: 1335  
Ion Ratio Lower Upper  
153 100  
152 49.7 41.1 61.7  
154 89.6 70.3 105.5

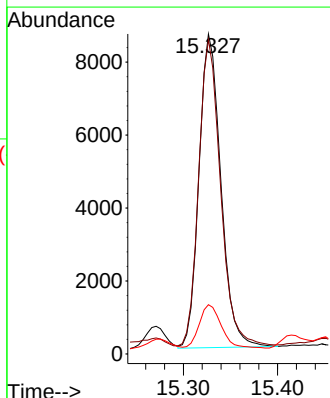
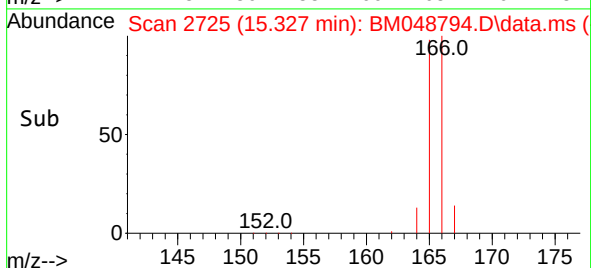
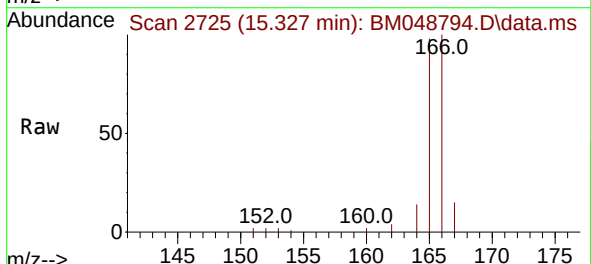
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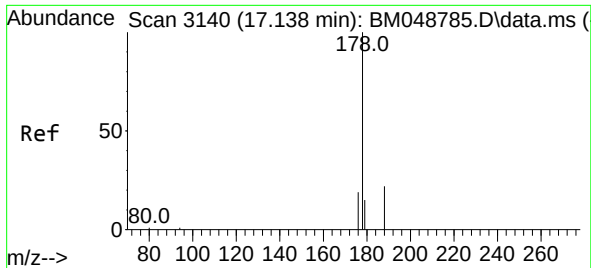
Reviewed By :Jagrut Upadhyay 11/19/2024  
Supervised By :mohammad ahmed 11/20/2024



#12  
Fluorene  
Concen: 0.749 ng/ul  
RT: 15.327 min Scan# 2725  
Delta R.T. -0.060 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

Tgt Ion:166 Resp: 13885  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.7 118.1  
167 15.4 12.6 18.8





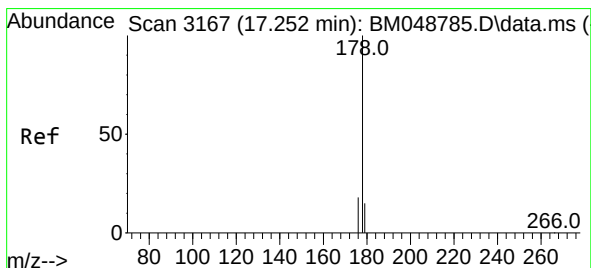
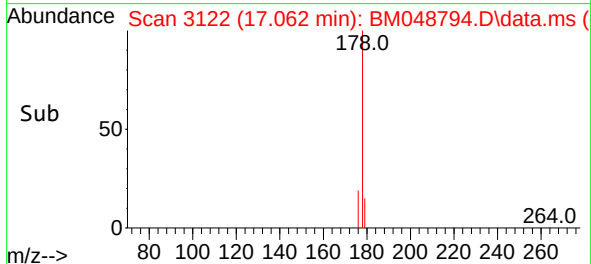
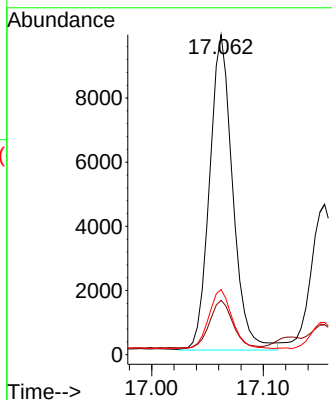
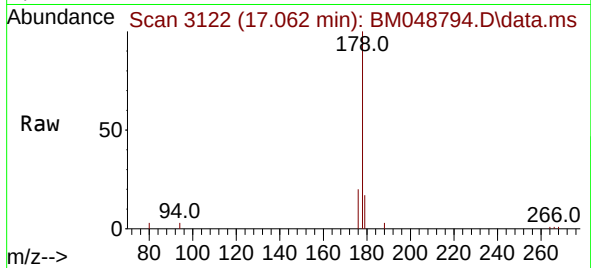
#15  
Phenanthrene  
Concen: 0.451 ng/ul m  
RT: 17.062 min Scan# 3140  
Delta R.T. -0.055 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

Instrument :  
BNA\_M  
ClientSampleId :  
A0AQ1DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 1420 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 17.0  | 13.4  | 20.0 |
| 176       | 20.3  | 16.2  | 24.2 |

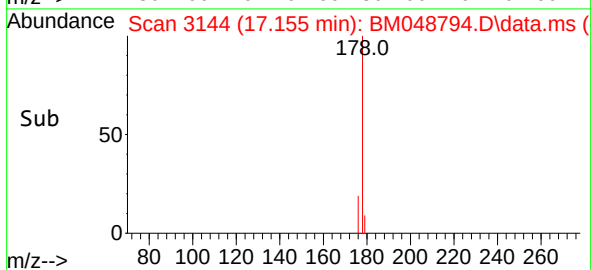
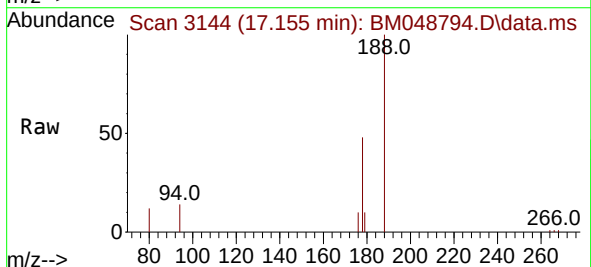
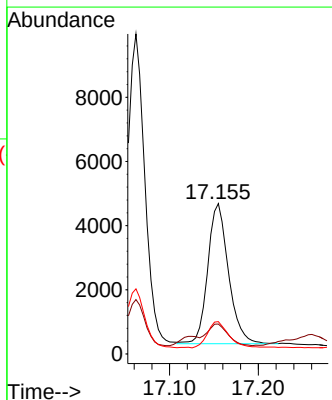
Manual Integrations  
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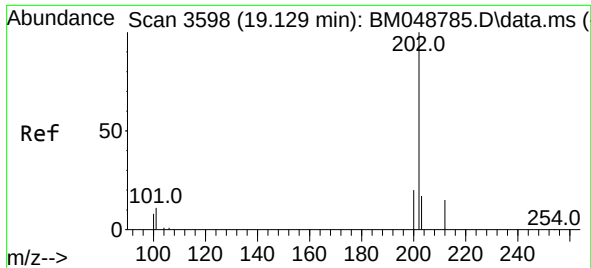
Reviewed By :Jagrut Upadhyay 11/19/2024  
Supervised By :mohammad ahmed 11/20/2024



#16  
Anthracene  
Concen: 0.243 ng/ul m  
RT: 17.155 min Scan# 3144  
Delta R.T. -0.076 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 7106 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 19.9  | 13.7  | 20.5 |
| 176       | 21.5  | 15.9  | 23.9 |





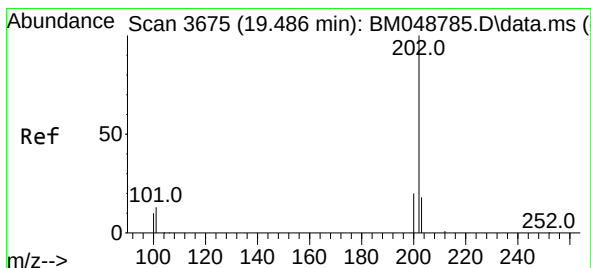
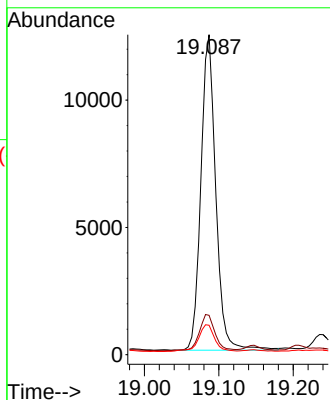
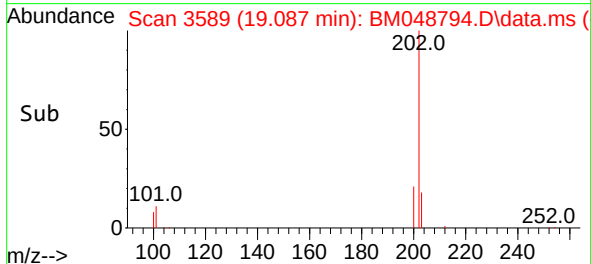
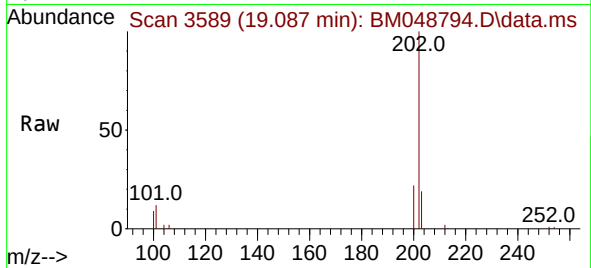
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Fluoranthene  
Concen: 0.460 ng/u1  
RT: 19.087 min Scan# 3598  
Delta R.T. -0.033 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

Instrument :  
BNA\_M  
ClientSampleId :  
A0AQ1DL

Tgt Ion:202 Resp: 1721  
Ion Ratio Lower Upper  
202 100  
101 12.3 10.2 15.4  
100 9.2 7.3 10.9

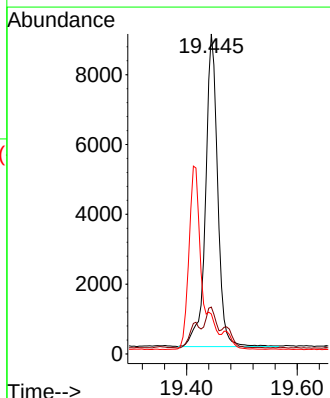
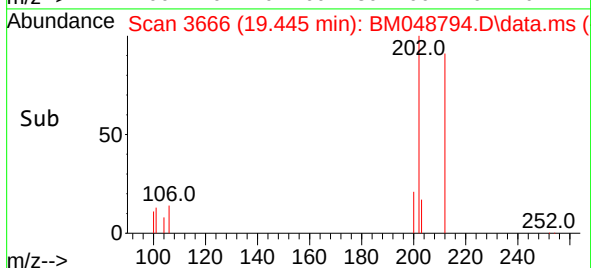
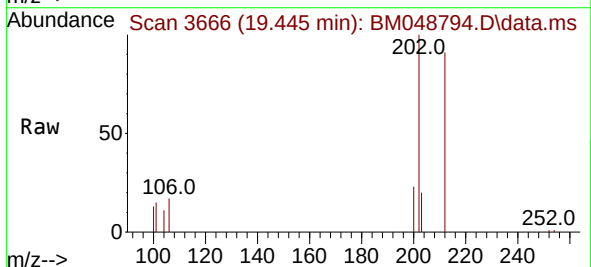
Manual Integrations  
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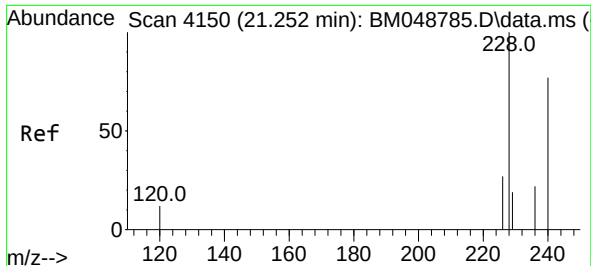
Reviewed By :Jagrut Upadhyay 11/19/2024  
Supervised By :mohammad ahmed 11/20/2024



#20  
Pyrene  
Concen: 0.336 ng/u1  
RT: 19.445 min Scan# 3666  
Delta R.T. -0.033 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

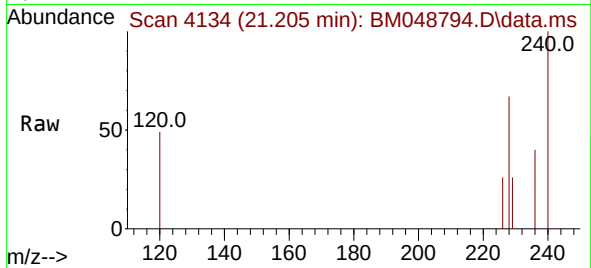
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Ion Ratio Lower Upper  
202 100  
101 14.7 11.4 17.2  
100 12.5 8.5 12.7





#21  
Benzo(a)anthracene  
Concen: 0.054 ng/u1  
RT: 21.205 min Scan# 41134  
Delta R.T. -0.035 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

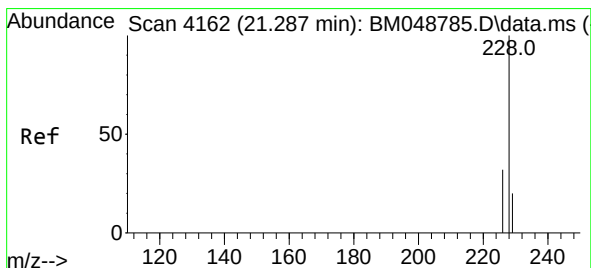
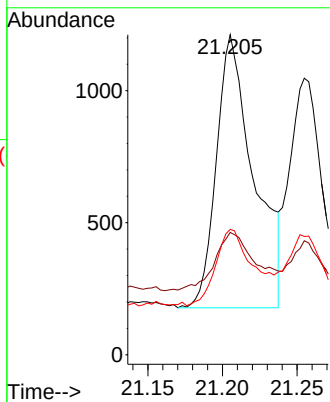
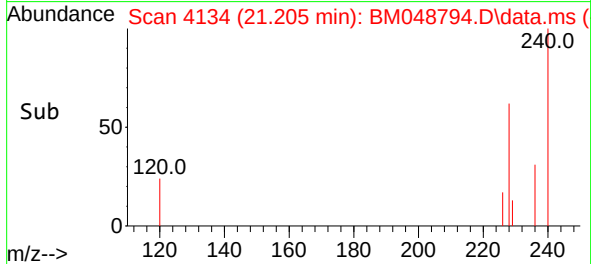
Instrument :  
BNA\_M  
ClientSampleId :  
A0AQ1DL



Tgt Ion:228 Resp: 1798  
Ion Ratio Lower Upper  
228 100  
229 38.2 16.2 24.2#  
226 39.2 22.1 33.1#

Manual Integrations  
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#22  
Chrysene  
Concen: 0.036 ng/u1  
RT: 21.255 min Scan# 4151  
Delta R.T. -0.024 min  
Lab File: BM048794.D  
Acq: 19 Nov 2024 02:18

Tgt Ion:228 Resp: 1424  
Ion Ratio Lower Upper  
228 100  
226 42.8 24.4 36.6#  
229 41.3 16.5 24.7#

