

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080524\  
 Data File : BM046997.D  
 Acq On : 05 Aug 2024 18:30  
 Operator : RC/JU  
 Sample : P3329-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F7E08

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024  
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 06 01:29:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM080224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 03 02:51:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.398  | 152  | 220025   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.157 | 136  | 883183   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.057 | 164  | 598407   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.815 | 188  | 1297228  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.050 | 240  | 1176086  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.762 | 264  | 1314656  | 20.000  | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.022  | 96   | 10206    | 1.838   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.416  | 84   | 160620   | 10.603  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.604  | 99   | 263273   | 15.752  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.757  | 67   | 168007   | 15.277  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.939  | 132  | 208781   | 14.746  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.116  | 113  | 219977   | 16.614  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.545  | 128  | 104244   | 14.709  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.257  | 143  | 119453   | 15.434  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.792  | 165  | 228336   | 15.367  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.304 | 131  | 274958   | 14.080  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.480 | 166  | 746458   | 16.314  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.745 | 160  | 837154   | 16.391  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.298 | 143  | 129143   | 14.598  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.062 | 176  | 637341   | 16.283  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.198 | 200  | 89781    | 10.955  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.915 | 188  | 983869   | 15.999  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.227 | 212  | 1159183  | 17.218  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.580 | 264  | 1170233  | 16.905  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 8) Phenol                     | 6.628  | 94   | 573098   | 34.047  | ng/u1  | 95       |
| 13) 2-Methylphenol            | 7.857  | 108  | 238713   | 18.617  | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.186  | 108  | 720910   | 52.036  | ng/u1  | 96       |
| 26) 2,4-Dimethylphenol        | 9.369  | 107  | 371706m  | 22.274  | ng/u1  |          |
| 30) Naphthalene               | 10.216 | 128  | 7230809  | 154.633 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 11.833 | 142  | 1324531  | 40.566  | ng/u1  | 99       |
| 37) 1-Methylnaphthalene       | 12.057 | 142  | 604127   | 18.277  | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 12.874 | 154  | 337549   | 7.540   | ng/u1  | 98       |
| 52) Acenaphthene              | 14.121 | 153  | 925305   | 23.795  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.462 | 168  | 1171451  | 21.465  | ng/u1  | 95       |
| 61) Fluorene                  | 15.115 | 166  | 1149468  | 25.536  | ng/u1  | 99       |
| 72) Phenanthrene              | 16.862 | 178  | 4786839  | 65.828  | ng/u1  | 100      |
| 74) Anthracene                | 16.951 | 178  | 3295182  | 44.934  | ng/u1  | 99       |
| 77) Carbazole                 | 17.233 | 167  | 1423254  | 20.935  | ng/u1  | 99       |
| 80) Fluoranthene              | 18.892 | 202  | 2842505  | 35.328  | ng/u1  | 100      |
| 82) Pyrene                    | 19.256 | 202  | 1924068  | 22.442  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.033 | 228  | 617124   | 7.185   | ng/u1  | 99       |
| 87) Chrysene                  | 21.091 | 228  | 661141   | 8.070   | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 22.915 | 252  | 314283   | 3.865   | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 22.968 | 252  | 120795   | 1.503   | ng/u1# | 97       |
| 93) Benzo(a)pyrene            | 23.632 | 252  | 190739   | 2.518   | ng/u1  | 98       |
| -----                         |        |      |          |         |        |          |

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

**Instrument :**

BNA\_M

**ClientSampleId :**

F7E08

**Manual Integrations**

**APPROVED**

Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024

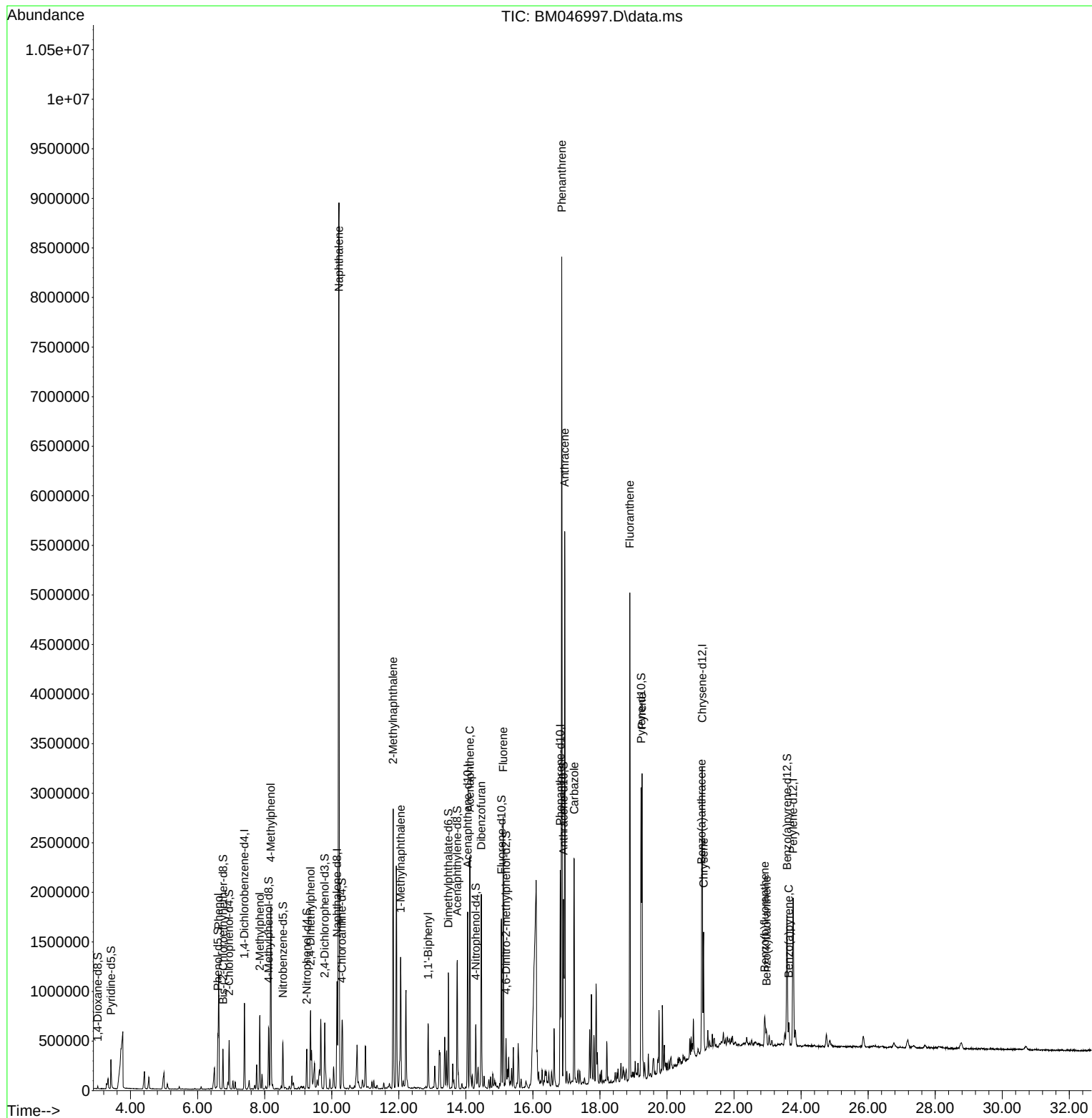
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080524\  
Data File : BM046997.D  
Acq On : 05 Aug 2024 18:30  
Operator : RC/JU  
Sample : P3329-06  
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ALS Vial : 14 Sample Multiplier: 1

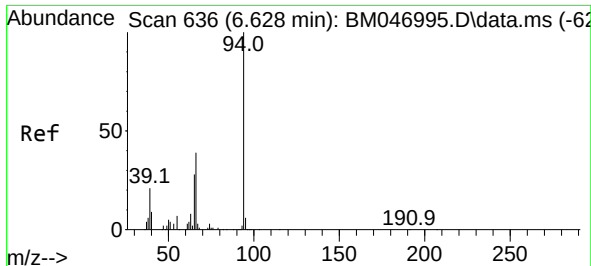
Instrument :  
BNA\_M  
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Quant Time: Aug 06 01:29:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM080224.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Aug 03 02:51:11 2024  
Response via : Initial Calibration

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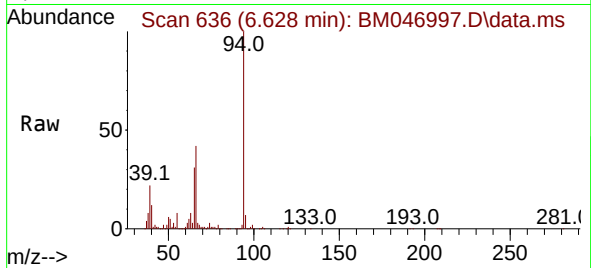
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024





#8  
Phenol  
Concen: 34.047 ng/ul  
RT: 6.628 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

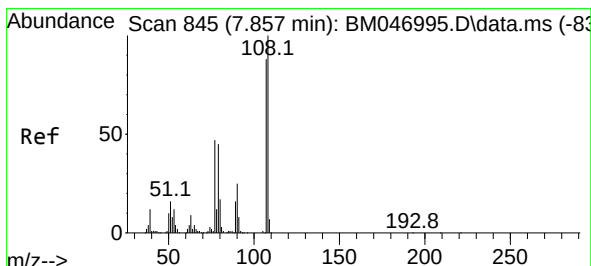
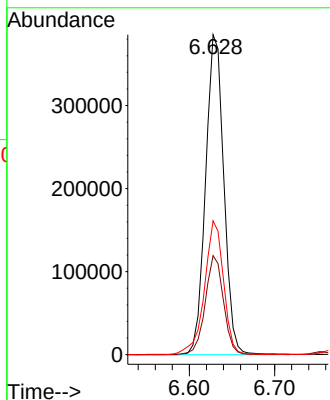
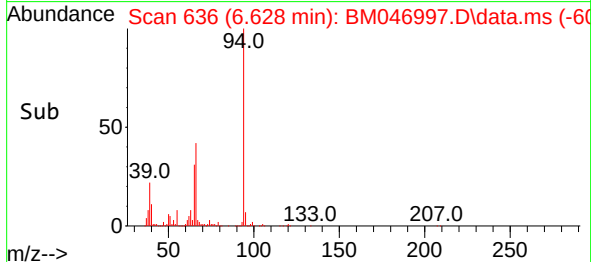
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion: 94 Resp: 573098  
Ion Ratio Lower Upper  
94 100  
65 30.9 25.1 37.7  
66 41.8 37.7 56.5

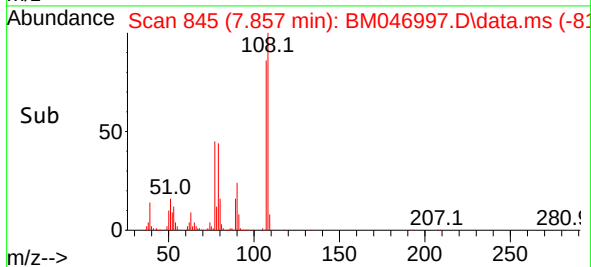
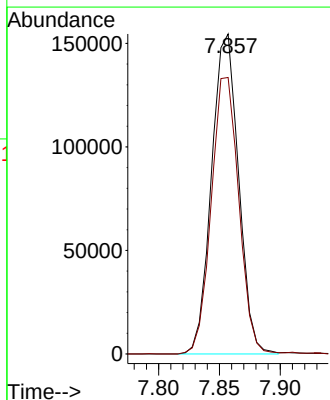
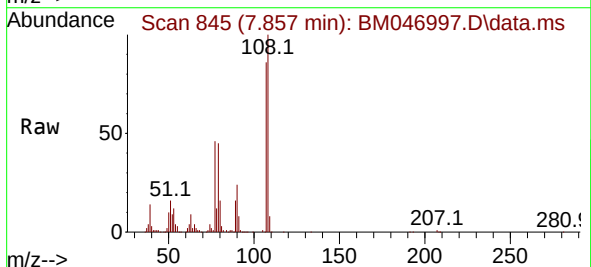
Manual Integrations  
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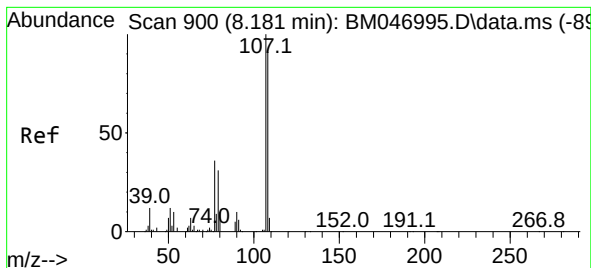
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024



#13  
2-Methylphenol  
Concen: 18.617 ng/ul  
RT: 7.857 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

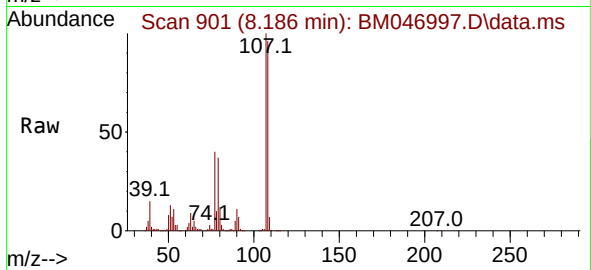
Tgt Ion:108 Resp: 238713  
Ion Ratio Lower Upper  
108 100  
107 86.4 67.4 101.0





#18  
4-Methylphenol  
Concen: 52.036 ng/ul  
RT: 8.186 min Scan# 900  
Delta R.T. -0.000 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

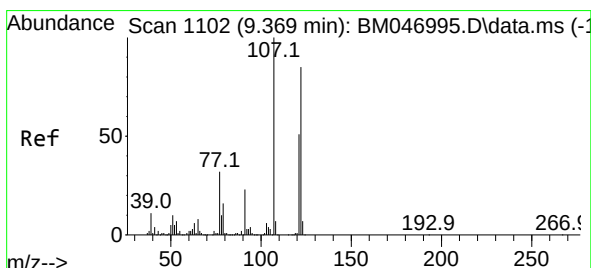
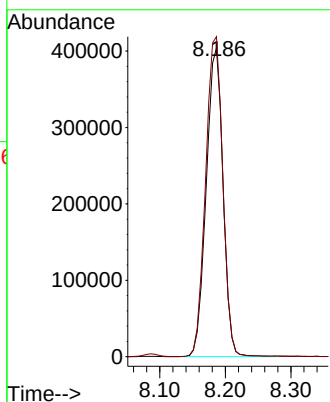
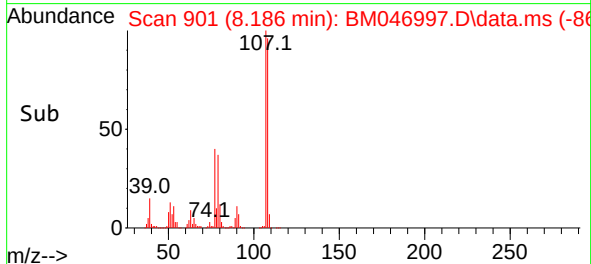
Instrument :  
BNA\_M  
ClientSampleId :  
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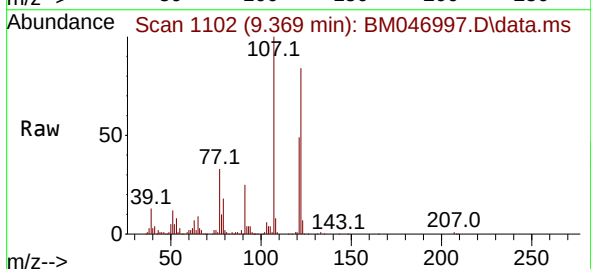
Tgt Ion:108 Resp: 720910  
Ion Ratio Lower Upper  
108 100  
107 103.7 86.4 129.6

Manual Integrations  
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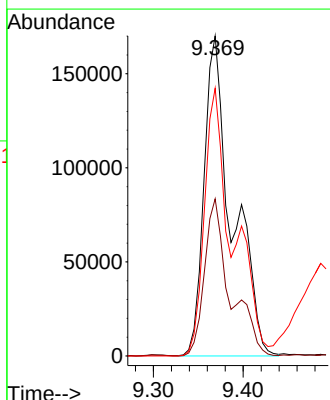
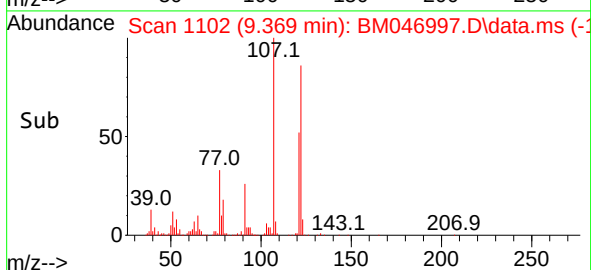
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024

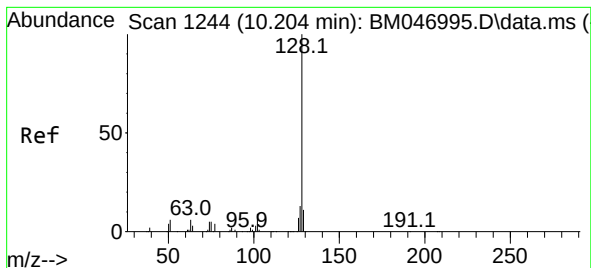


#26  
2,4-Dimethylphenol  
Concen: 22.274 ng/ul m  
RT: 9.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30



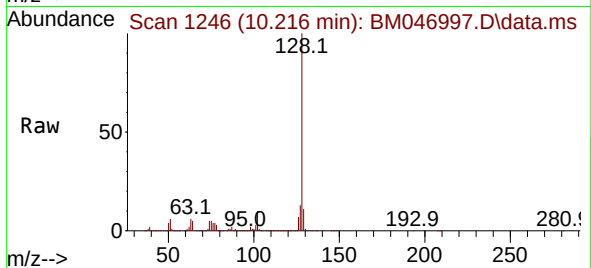
Tgt Ion:107 Resp: 371706  
Ion Ratio Lower Upper  
107 100  
121 49.1 37.3 55.9  
122 83.7 65.8 98.6





#30  
Naphthalene  
Concen: 154.633 ng/ul  
RT: 10.216 min Scan# 1246  
Delta R.T. 0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

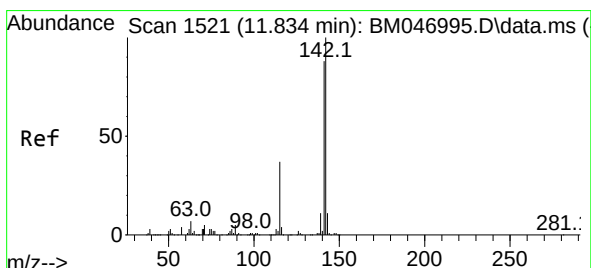
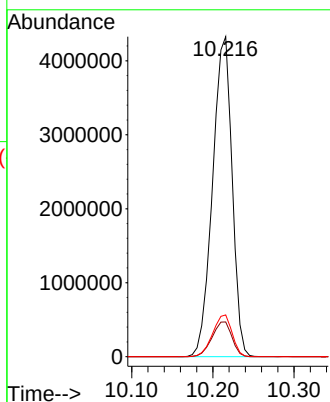
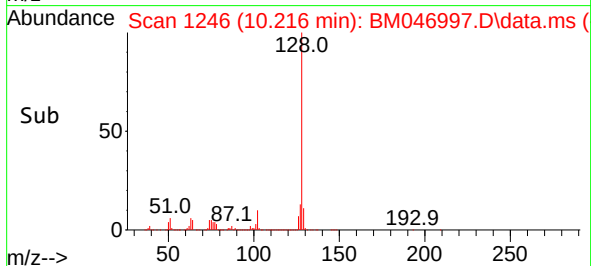
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:128 Resp: 7230809  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 13.1 10.4 15.6

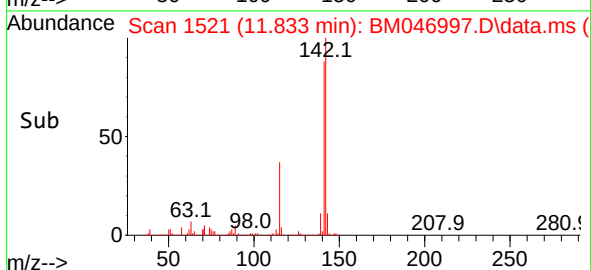
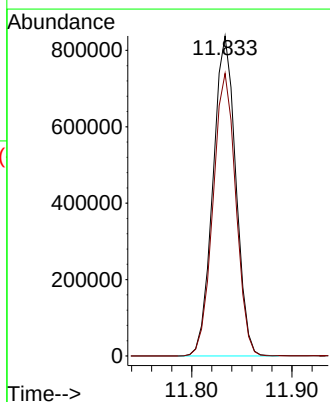
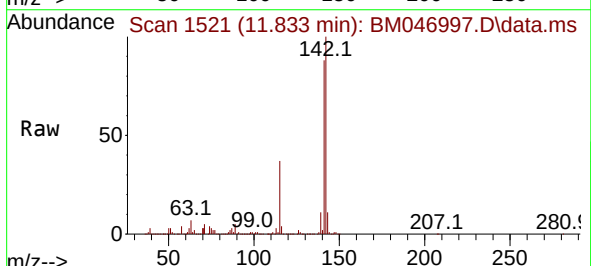
Manual Integrations  
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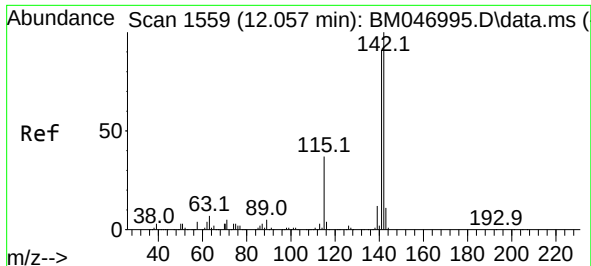
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024



#36  
2-Methylnaphthalene  
Concen: 40.566 ng/ul  
RT: 11.833 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

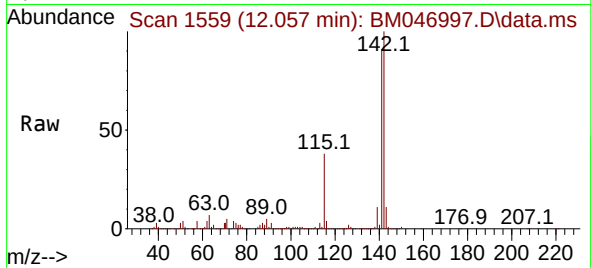
Tgt Ion:142 Resp: 1324531  
Ion Ratio Lower Upper  
142 100  
141 88.3 69.9 104.9





#37  
1-Methylnaphthalene  
Concen: 18.277 ng/ul  
RT: 12.057 min Scan# 1559  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

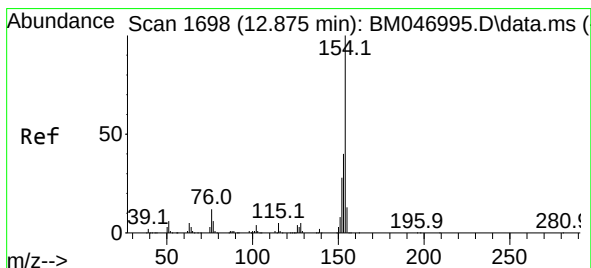
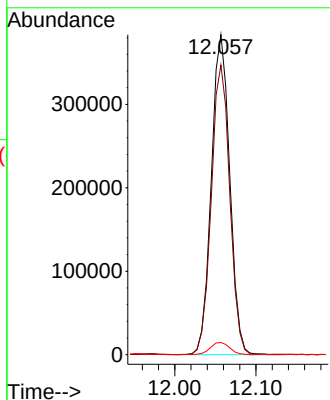
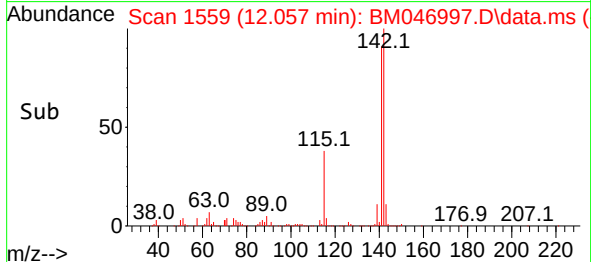
Instrument :  
BNA\_M  
ClientSampleId :  
F7E08



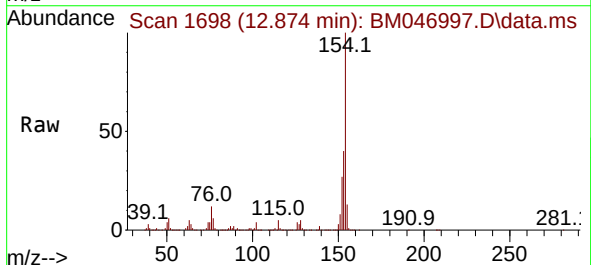
Tgt Ion:142 Resp: 60412  
Ion Ratio Lower Upper  
142 100  
141 90.6 72.0 108.0  
116 3.8 3.6 5.4

Manual Integrations  
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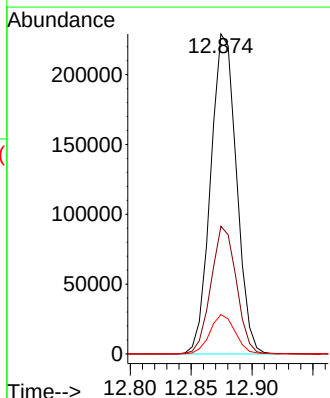
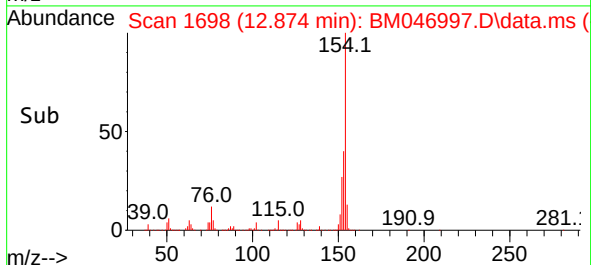
Reviewed By :Jagrut Upadhyay 08/06/2024  
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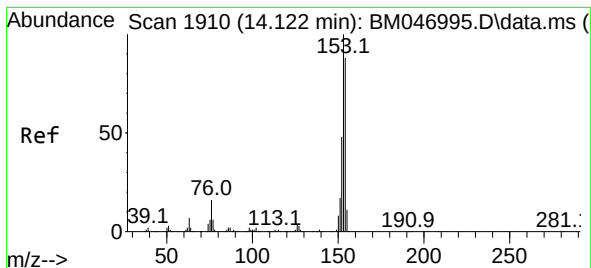


#43  
1,1'-Biphenyl  
Concen: 7.540 ng/ul  
RT: 12.874 min Scan# 1698  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30



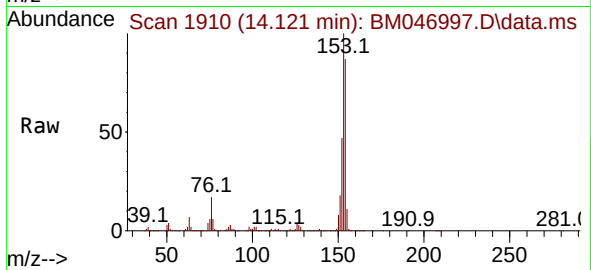
Tgt Ion:154 Resp: 337549  
Ion Ratio Lower Upper  
154 100  
153 39.9 30.7 46.1  
76 12.3 9.3 13.9





#52  
Acenaphthene  
Concen: 23.795 ng/ul  
RT: 14.121 min Scan# 1910  
Delta R.T. -0.000 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

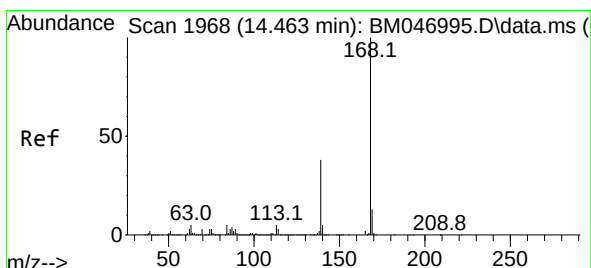
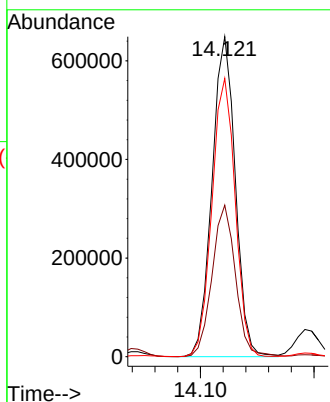
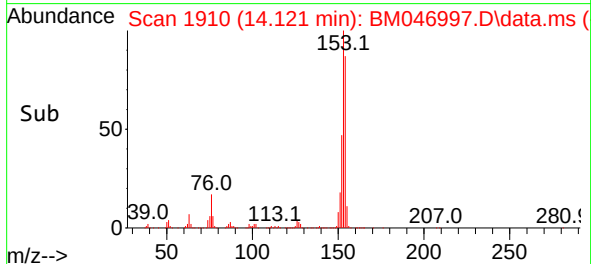
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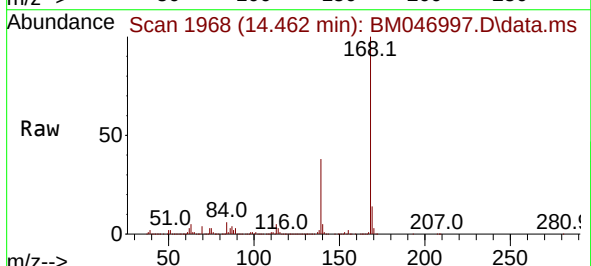
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Ion Ratio Lower Upper  
153 100  
152 47.4 38.2 57.2  
154 86.9 70.1 105.1

Manual Integrations  
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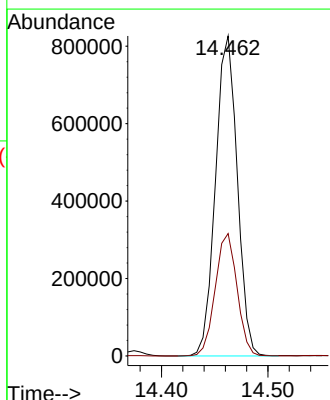
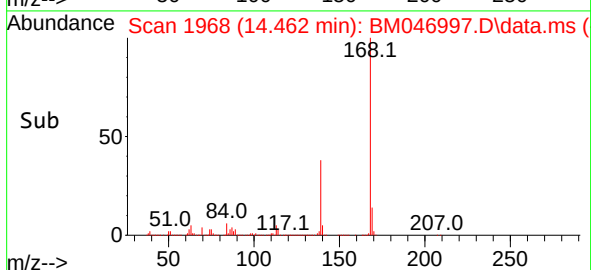
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024



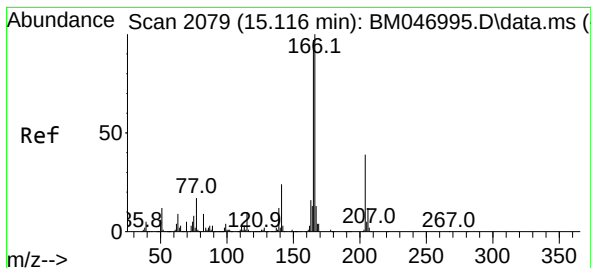
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Dibenzofuran  
Concen: 21.465 ng/ul  
RT: 14.462 min Scan# 1968  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30



Tgt Ion:168 Resp: 1171451  
Ion Ratio Lower Upper  
168 100  
139 38.2 33.0 49.4

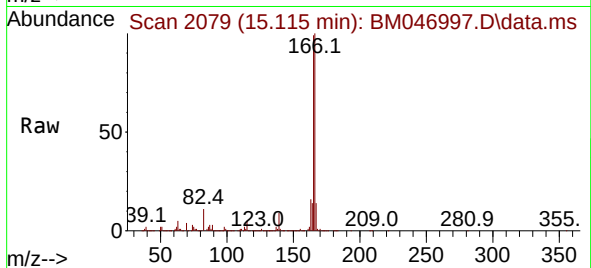






#61  
Fluorene  
Concen: 25.536 ng/ul  
RT: 15.115 min Scan# 2079  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

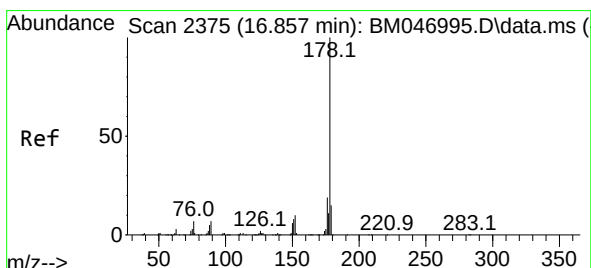
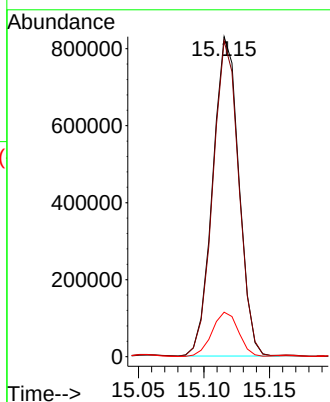
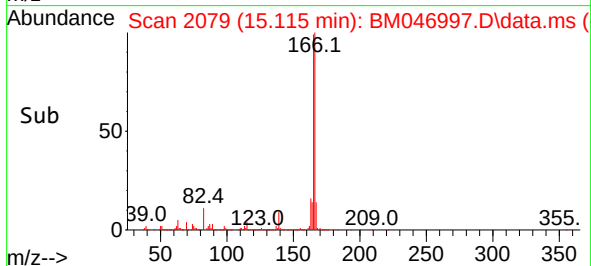
Instrument :  
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Tgt Ion:166 Resp: 1149468  
Ion Ratio Lower Upper  
166 100  
165 98.7 79.5 119.3  
167 13.9 11.5 17.3

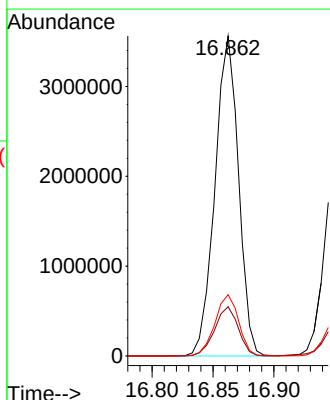
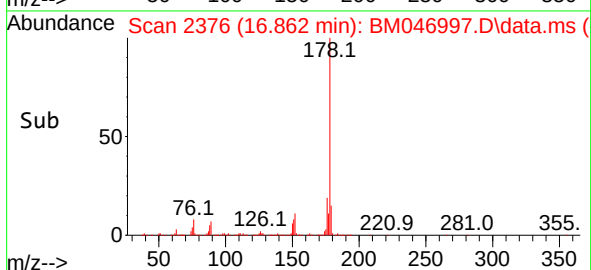
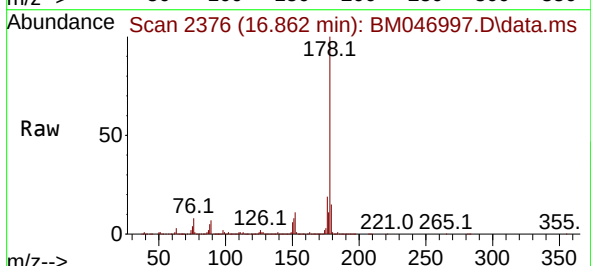
Manual Integrations  
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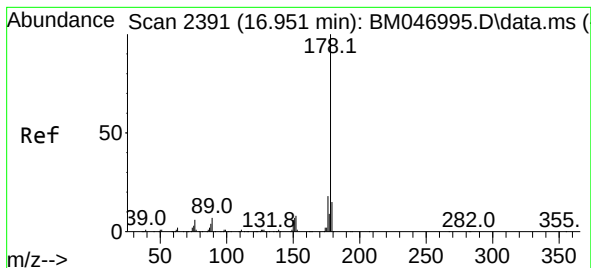
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024



#72  
Phenanthrene  
Concen: 65.828 ng/ul  
RT: 16.862 min Scan# 2376  
Delta R.T. -0.000 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

Tgt Ion:178 Resp: 4786839  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.3 18.5  
176 19.2 15.3 22.9





#74

Anthracene

Concen: 44.934 ng/ul

RT: 16.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA\_M

ClientSampleId :

F7E08

Tgt Ion:178 Resp: 329518

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

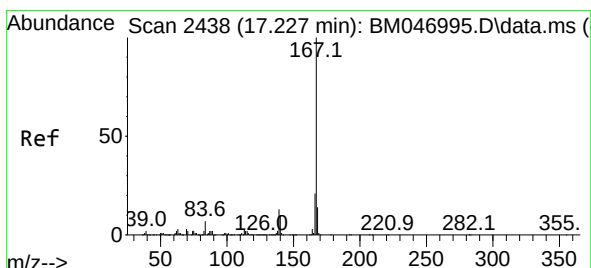
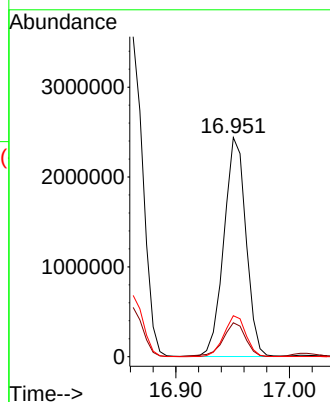
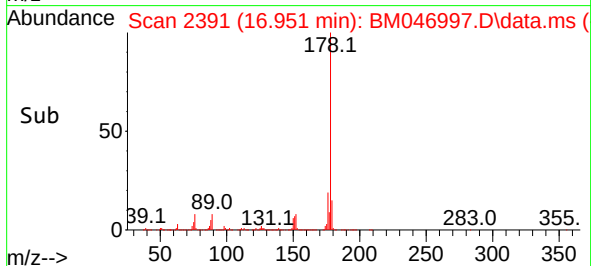
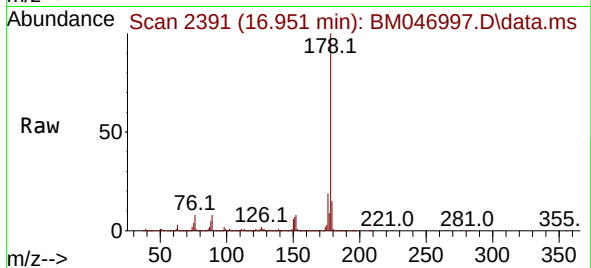
176 18.7 14.6 22.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024

Supervised By :mohammad ahmed 08/07/2024



#77

Carbazole

Concen: 20.935 ng/ul

RT: 17.233 min Scan# 2439

Delta R.T. -0.000 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

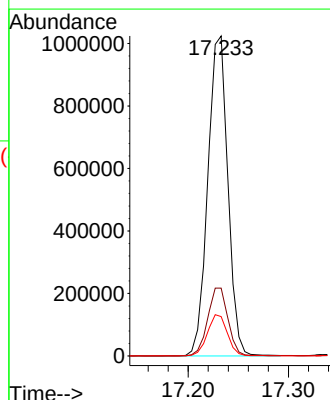
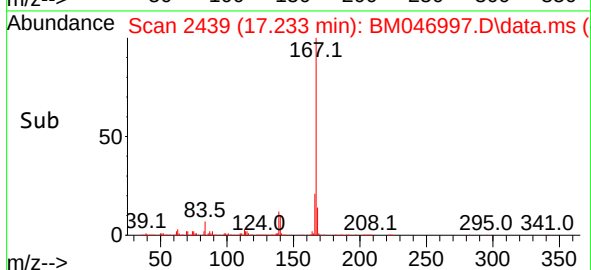
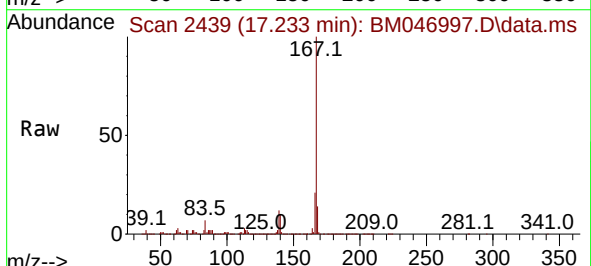
Tgt Ion:167 Resp: 1423254

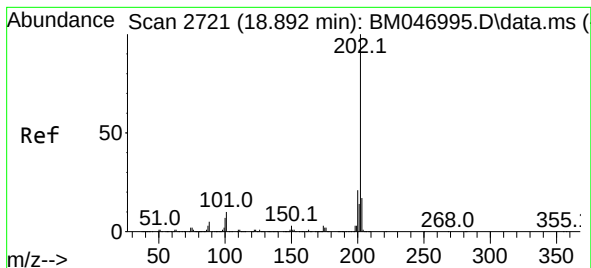
Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

139 12.3 10.6 16.0





#80

Fluoranthene

Concen: 35.328 ng/ul

RT: 18.892 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA\_M

ClientSampleId :

F7E08

Tgt Ion:202 Resp: 284250

Ion Ratio Lower Upper

202 100

101 9.5 7.8 11.6

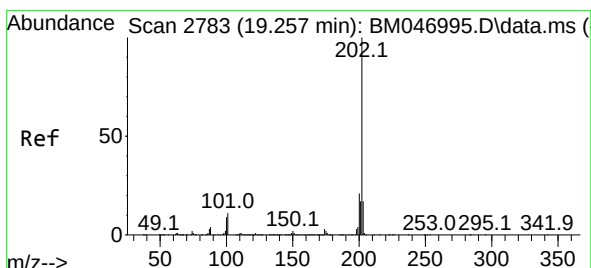
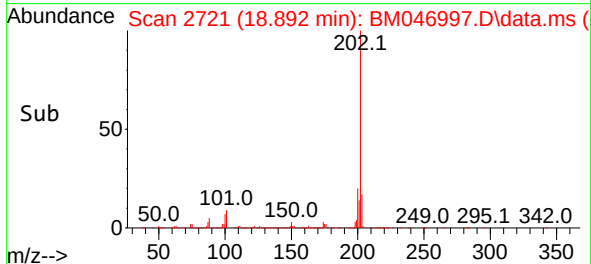
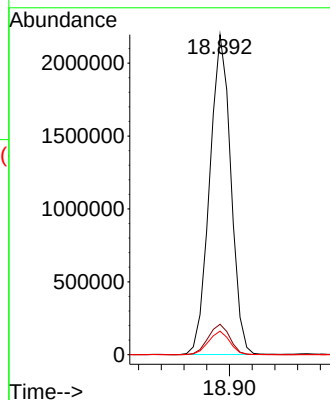
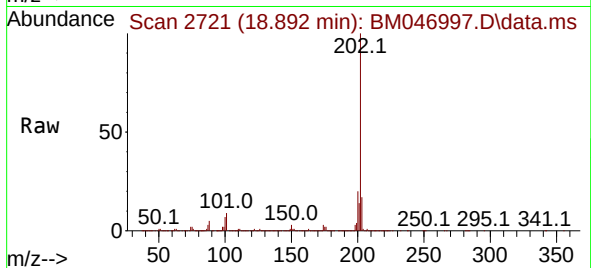
100 7.3 5.9 8.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024

Supervised By :mohammad ahmed 08/07/2024



#82

Pyrene

Concen: 22.442 ng/ul

RT: 19.256 min Scan# 2783

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

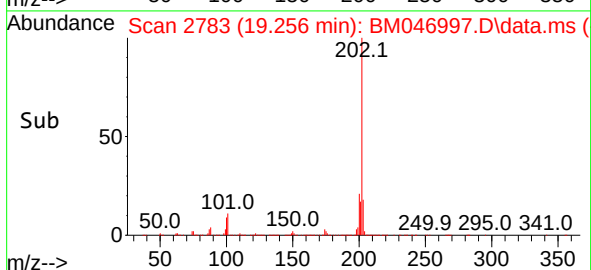
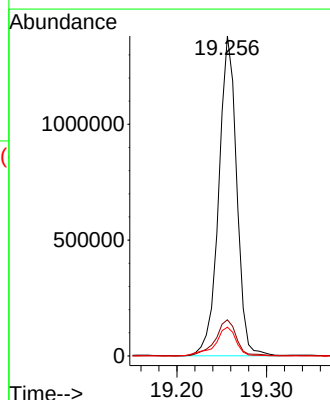
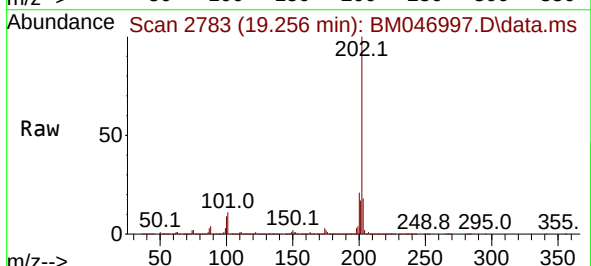
Tgt Ion:202 Resp: 1924068

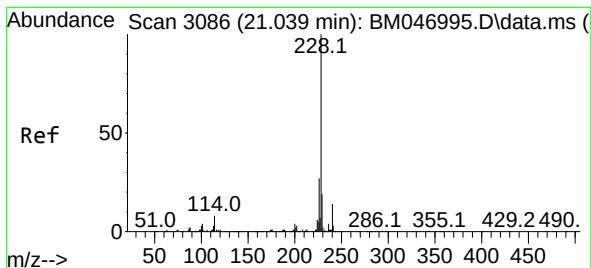
Ion Ratio Lower Upper

202 100

101 11.3 8.7 13.1

100 9.0 6.8 10.2





#85

Benzo(a)anthracene

Concen: 7.185 ng/ul

RT: 21.033 min Scan# 3086

Delta R.T. -0.006 min

Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Instrument :

BNA\_M

ClientSampleId :

F7E08

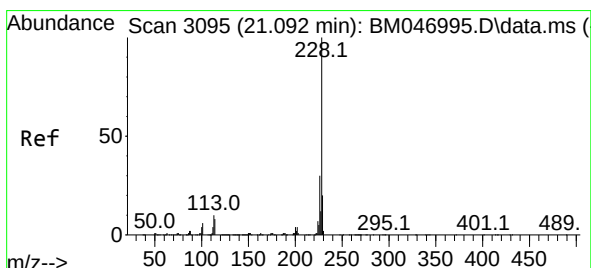
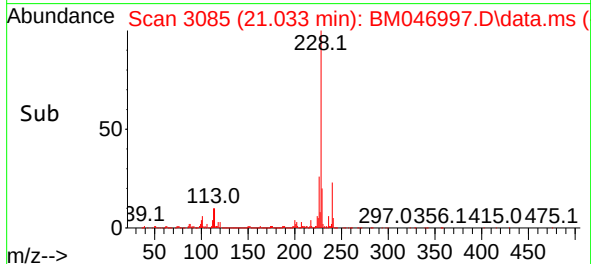
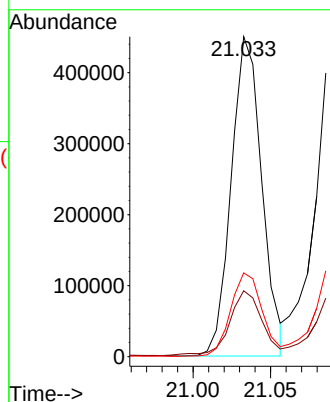
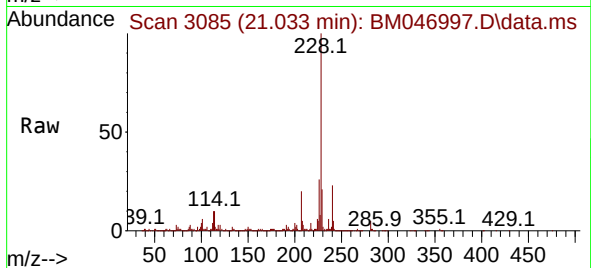
Tgt Ion:228 Resp: 617124

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 20.6  | 15.5  | 23.3  |
| 226 | 26.2  | 21.2  | 31.8  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024



#87

Chrysene

Concen: 8.070 ng/ul

RT: 21.091 min Scan# 3095

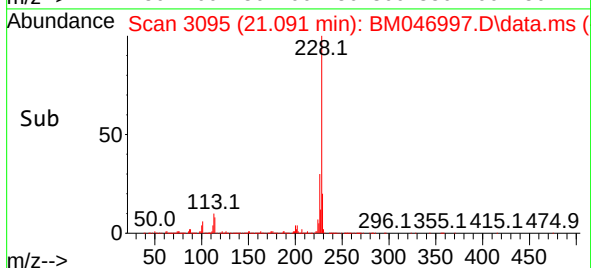
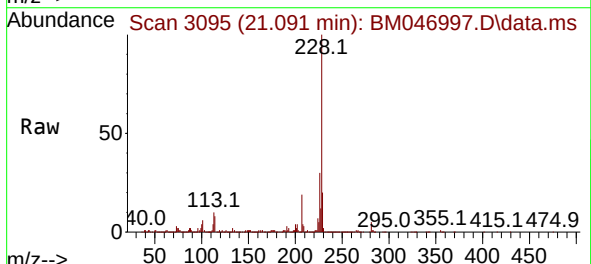
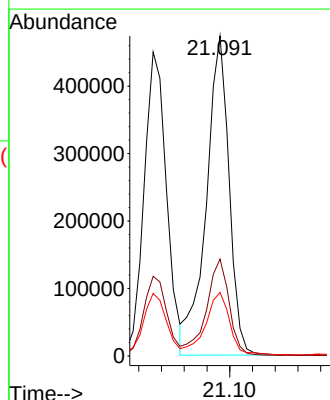
Delta R.T. -0.006 min

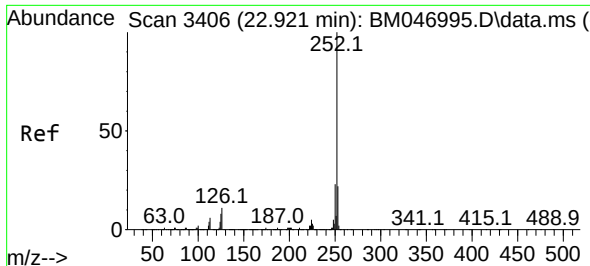
Lab File: BM046997.D

Acq: 05 Aug 2024 18:30

Tgt Ion:228 Resp: 661141

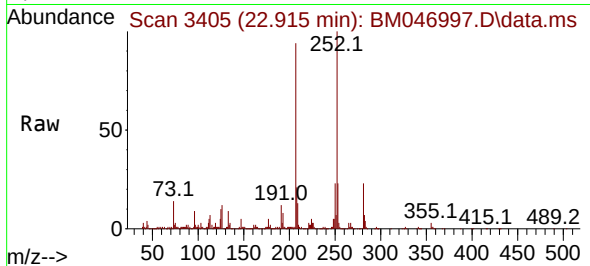
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 24.0  | 36.0  |
| 229 | 19.8  | 15.5  | 23.3  |





#90  
Benzo(b)fluoranthene  
Concen: 3.865 ng/ul  
RT: 22.915 min Scan# 3405  
Delta R.T. -0.006 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

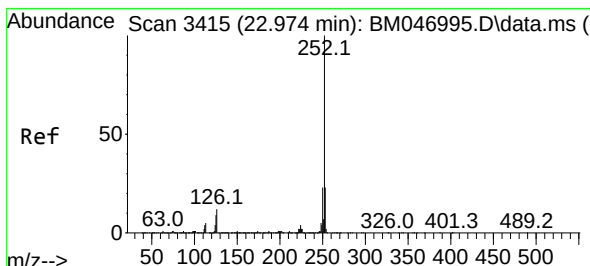
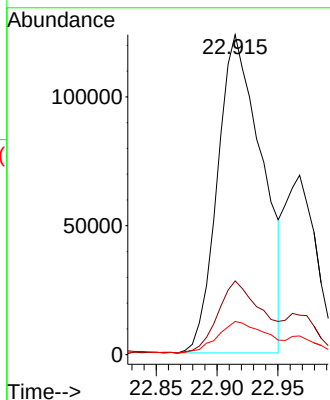
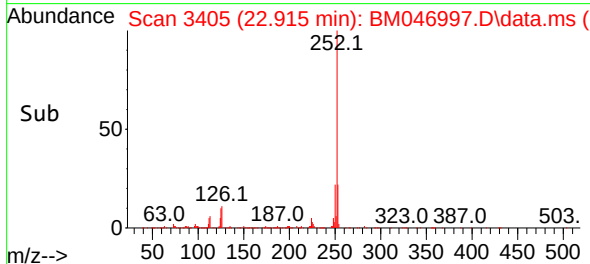
Instrument :  
BNA\_M  
ClientSampleId :  
F7E08



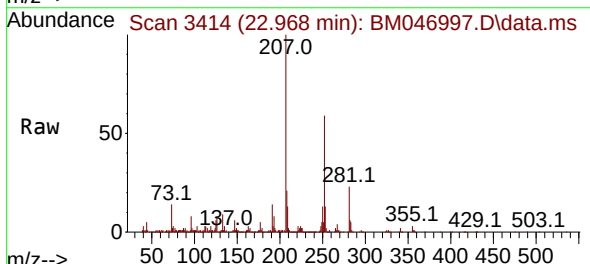
Tgt Ion:252 Resp: 31428  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.2  
125 10.4 7.0 10.6

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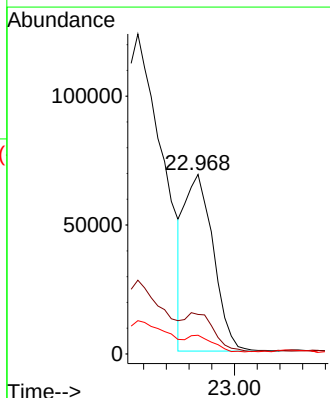
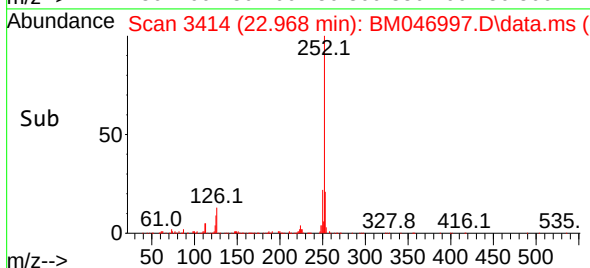
Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024

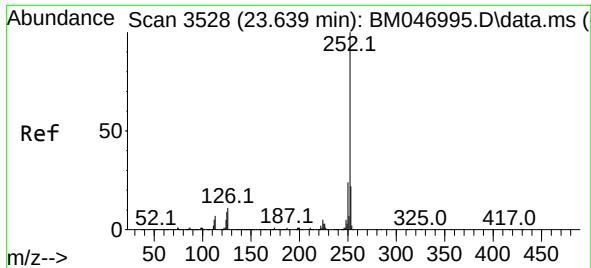


#91  
Benzo(k)fluoranthene  
Concen: 1.503 ng/ul  
RT: 22.968 min Scan# 3414  
Delta R.T. -0.012 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30



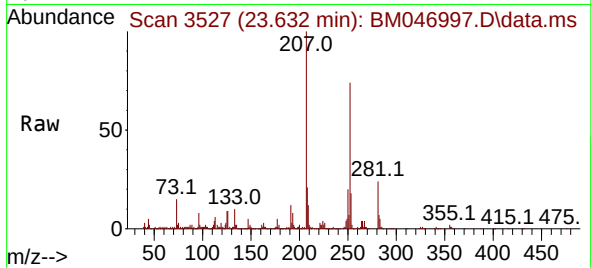
Tgt Ion:252 Resp: 120795  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.0 25.6  
125 10.4 6.9 10.3#





#93  
Benzo(a)pyrene  
Concen: 2.518 ng/ul  
RT: 23.632 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: BM046997.D  
Acq: 05 Aug 2024 18:30

Instrument :  
BNA\_M  
ClientSampleId :  
F7E08



Tgt Ion:252 Resp: 190739  
Ion Ratio Lower Upper  
252 100  
253 23.6 18.2 27.2  
125 11.5 8.1 12.1

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024  
Supervised By :mohammad ahmed 08/07/2024

