

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072622\  
 Data File : BM035940.D  
 Acq On : 26 Jul 2022 23:47  
 Operator : CG/JU  
 Sample : N3709-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0B24

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/27/2022  
 Supervised By :mohammad ahmed 07/27/2022

Quant Time: Jul 27 01:16:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM072522.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 25 14:55:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.886  | 152  | 445497   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.692 | 136  | 1983195  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.521 | 164  | 1215993  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.262 | 188  | 2233108  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.439 | 240  | 1455492  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.827 | 264  | 1427865  | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 21852    | 1.846  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 9243m    | 0.285  | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 7.051  | 99   | 826961   | 22.135 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 657505   | 26.400 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.416  | 132  | 717760   | 23.146 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.604  | 113  | 708108   | 23.397 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 464543   | 29.560 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.775  | 143  | 287377   | 18.770 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.316 | 165  | 646382   | 23.342 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.833 | 131  | 326811   | 6.971  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.939 | 166  | 1937258  | 23.388 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 3654152  | 34.576 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.721 | 143  | 143594   | 8.442  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.515 | 176  | 2562604  | 34.237 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.633 | 200  | 39046    | 3.253  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.362 | 188  | 3523385  | 34.899 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.650 | 212  | 3181092  | 39.435 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.674 | 264  | 2529582  | 34.895 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.304 | 178  | 179938   | 1.503  | ng/u1# | 95       |
| 80) Fluoranthene              | 19.315 | 202  | 225009   | 2.335  | ng/u1# | 94       |
| 82) Pyrene                    | 19.680 | 202  | 282406   | 2.843  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.421 | 228  | 106887   | 1.167  | ng/u1# | 48       |
| 86) Bis(2-ethylhexyl)phtha... | 21.356 | 149  | 191487   | 3.668  | ng/u1# | 89       |
| 87) Chrysene                  | 21.474 | 228  | 213001m  | 2.383  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.097 | 252  | 190144   | 1.995  | ng/u1# | 1        |
| 93) Benzo(a)pyrene            | 23.721 | 252  | 129754   | 1.430  | ng/u1# | 16       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.309 | 276  | 115734   | 1.196  | ng/u1# | 63       |
| 96) Benzo(g,h,i)perylene      | 27.079 | 276  | 245510   | 3.062  | ng/u1# | 76       |
| -----                         |        |      |          |        |        |          |

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

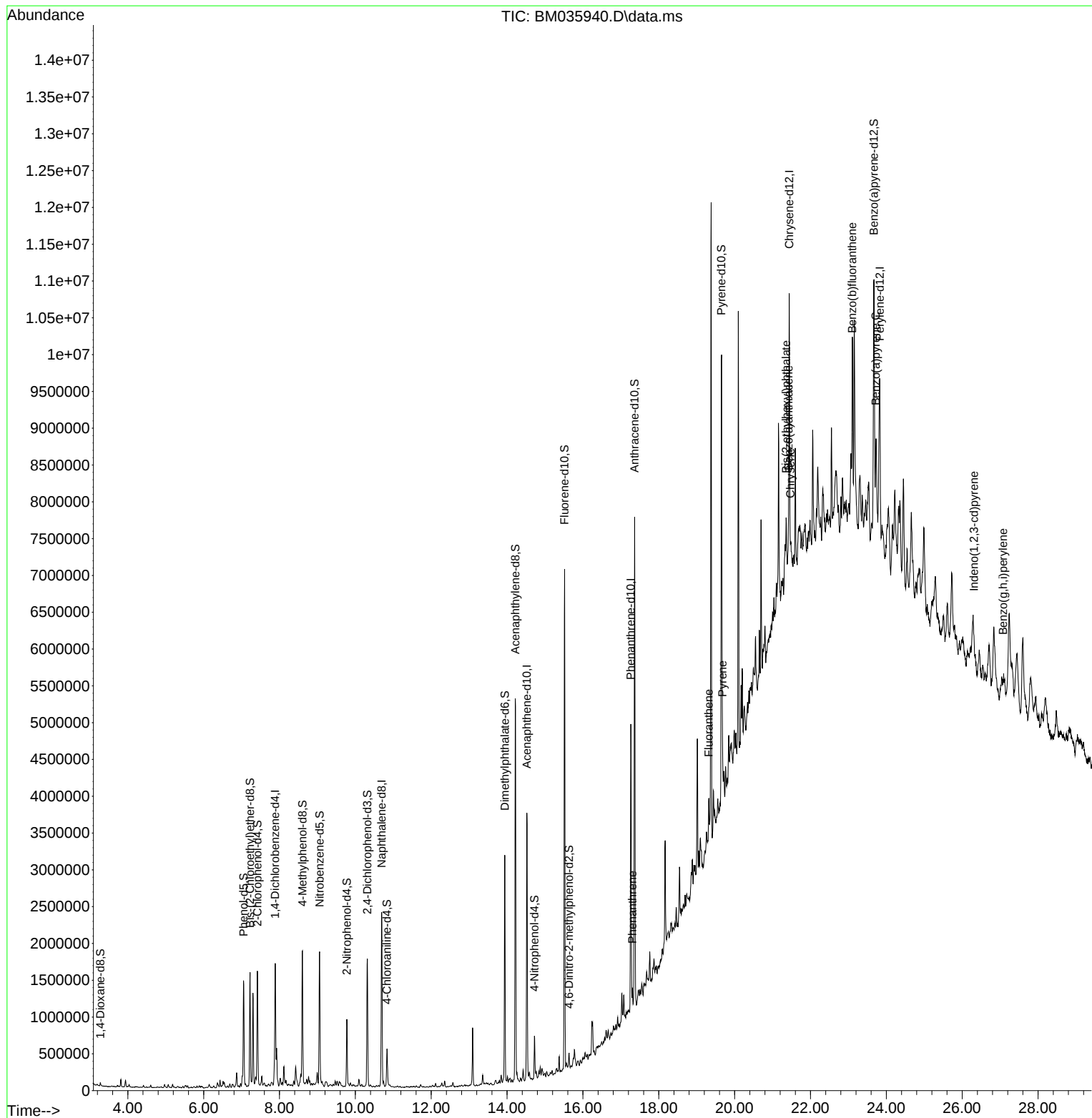
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072622\  
Data File : BM035940.D  
Acq On : 26 Jul 2022 23:47  
Operator : CG/JU  
Sample : N3709-08  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

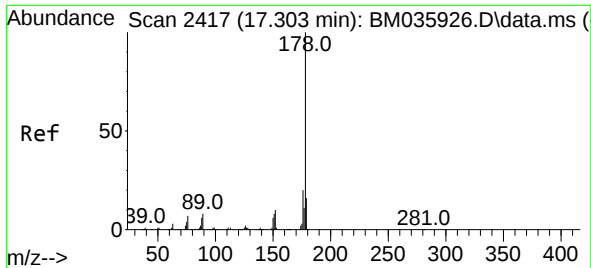
Instrument :  
BNA\_M  
ClientSampleId :  
H0B24

Quant Time: Jul 27 01:16:13 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM072522.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 25 14:55:39 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

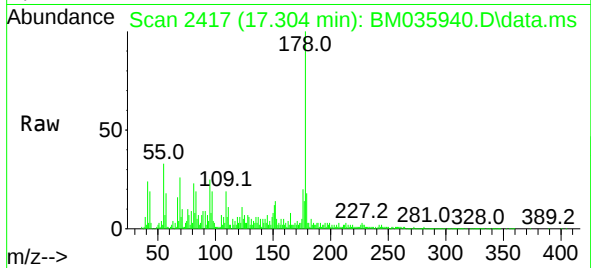
Reviewed By :Jagrut Upadhyay 07/27/2022  
Supervised By :mohammad ahmed 07/27/2022





#72  
Phenanthrene  
Concen: 1.503 ng/ul  
RT: 17.304 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47

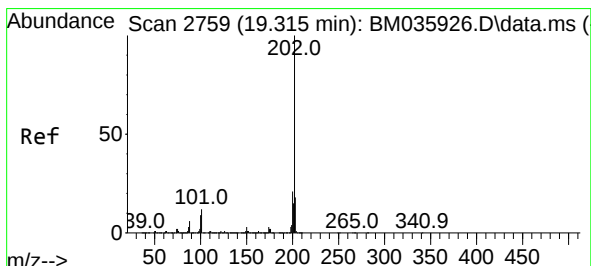
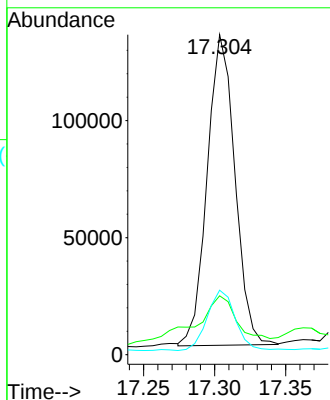
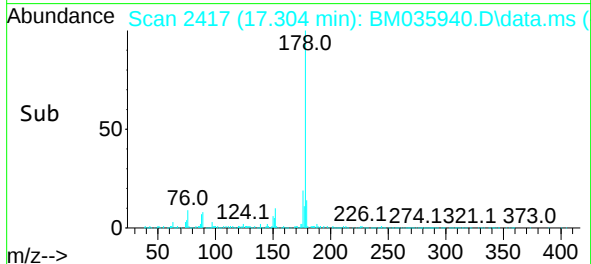
Instrument :  
BNA\_M  
ClientSampleId :  
H0B24



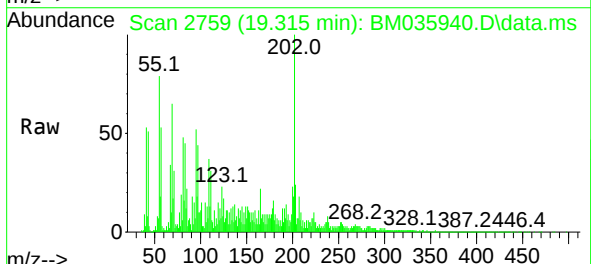
Tgt Ion:178 Resp: 179938  
Ion Ratio Lower Upper  
178 100  
179 18.4 12.2 18.2  
176 20.1 14.9 22.3

Manual Integrations  
APPROVED

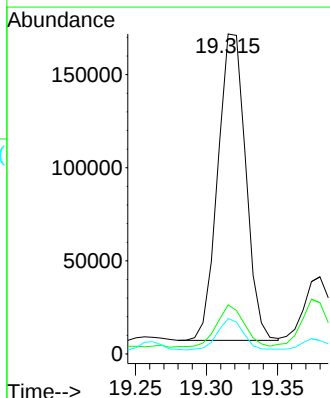
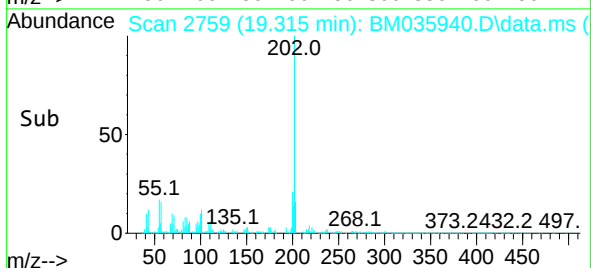
Reviewed By :Jagrut Upadhyay 07/27/2022  
Supervised By :mohammad ahmed 07/27/2022

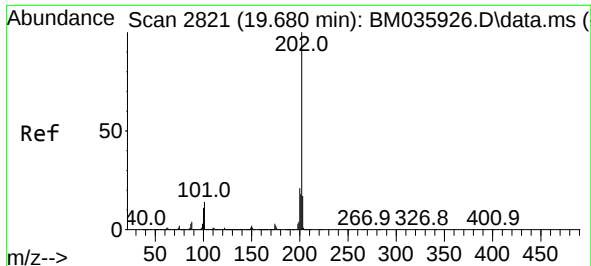


#80  
Fluoranthene  
Concen: 2.335 ng/ul  
RT: 19.315 min Scan# 2759  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47



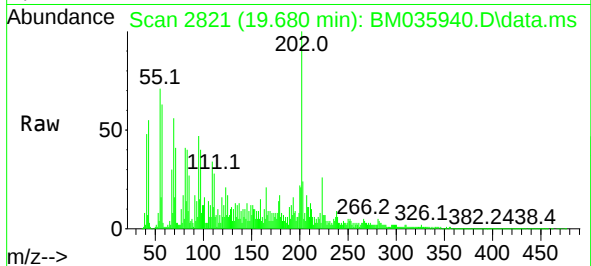
Tgt Ion:202 Resp: 225009  
Ion Ratio Lower Upper  
202 100  
101 15.4 10.1 15.1  
100 11.1 7.8 11.6





#82  
Pyrene  
Concen: 2.843 ng/ul  
RT: 19.680 min Scan# 2821  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47

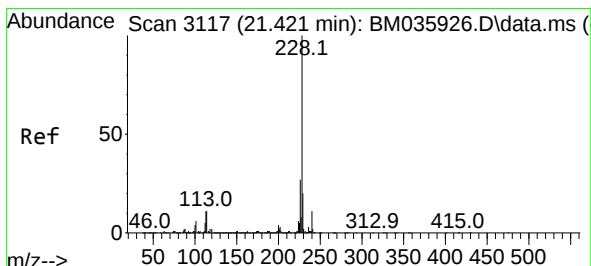
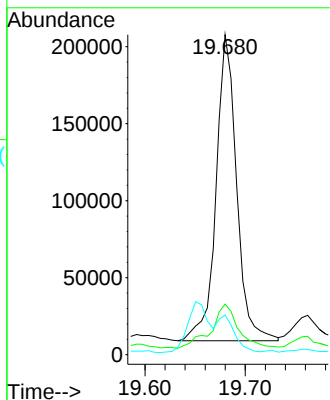
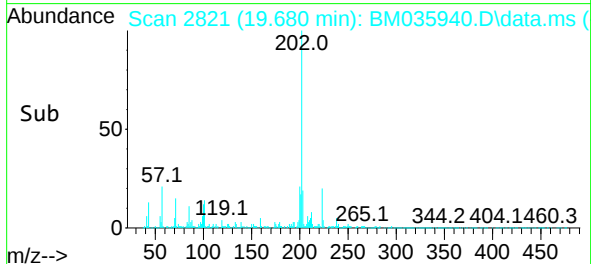
Instrument :  
BNA\_M  
ClientSampleId :  
H0B24



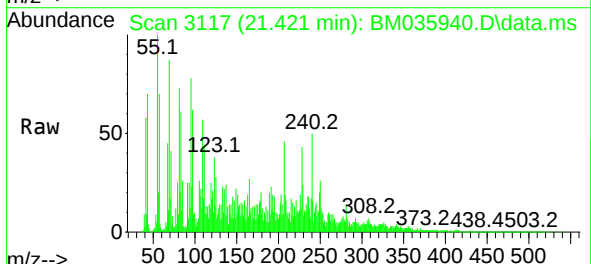
Tgt Ion:202 Resp: 282400  
Ion Ratio Lower Upper  
202 100  
101 15.8 11.9 17.9  
100 12.4 10.2 15.4

Manual Integrations  
APPROVED

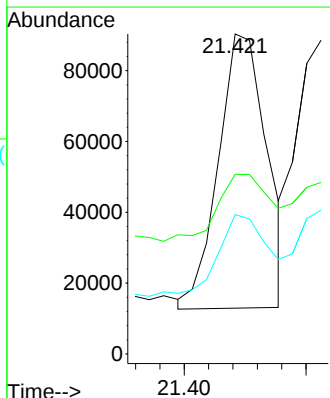
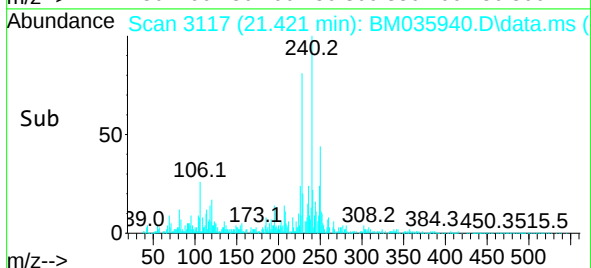
Reviewed By :Jagrut Upadhyay 07/27/2022  
Supervised By :mohammad ahmed 07/27/2022

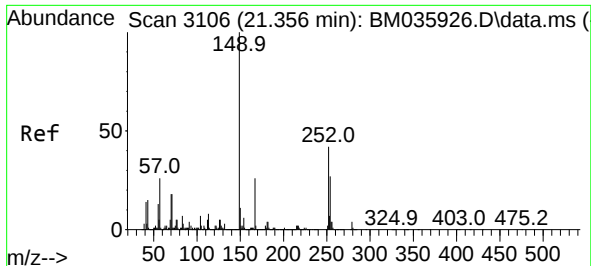


#85  
Benzo(a)anthracene  
Concen: 1.167 ng/ul  
RT: 21.421 min Scan# 3117  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47



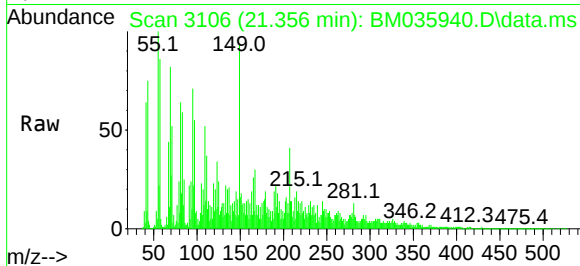
Tgt Ion:228 Resp: 106887  
Ion Ratio Lower Upper  
228 100  
229 56.2 15.6 23.4#  
226 43.6 21.7 32.5#





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.668 ng/ul  
RT: 21.356 min Scan# 3106  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47

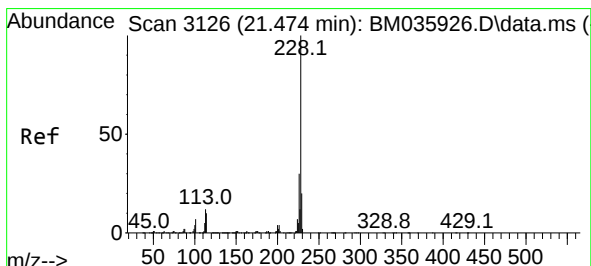
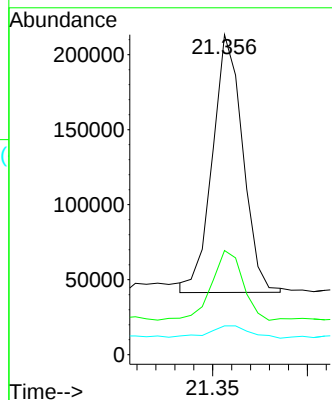
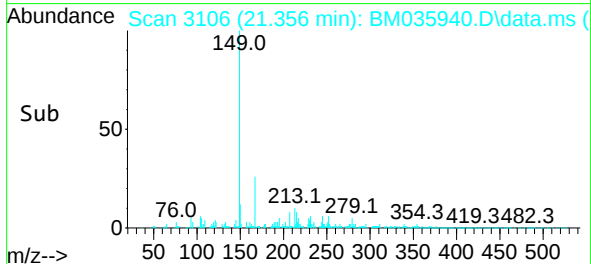
Instrument :  
BNA\_M  
ClientSampleId :  
H0B24



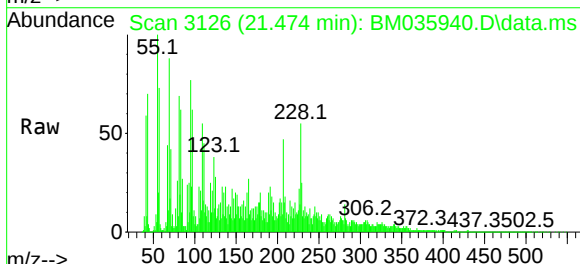
Tgt Ion:149 Resp: 19148  
Ion Ratio Lower Upper  
149 100  
167 32.5 21.5 32.3#  
279 9.0 3.4 5.2#

Manual Integrations  
APPROVED

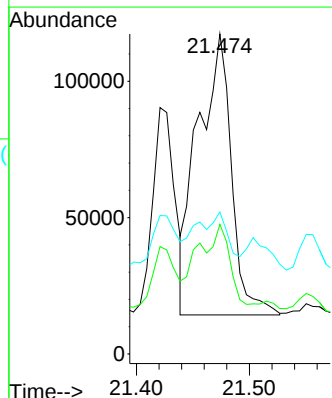
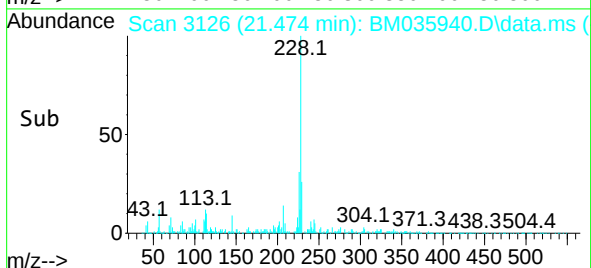
Reviewed By :Jagrut Upadhyay 07/27/2022  
Supervised By :mohammad ahmed 07/27/2022

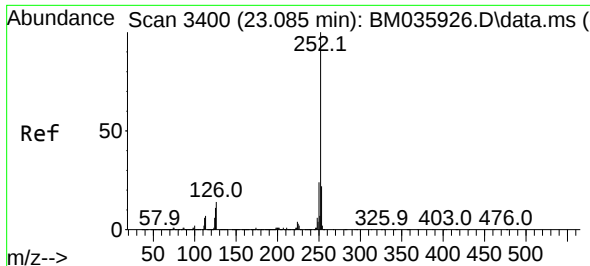


#87  
Chrysene  
Concen: 2.383 ng/ul m  
RT: 21.474 min Scan# 3126  
Delta R.T. 0.000 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47



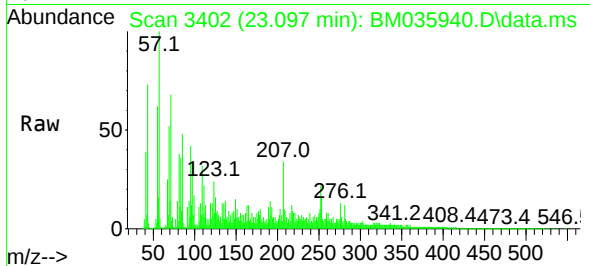
Tgt Ion:228 Resp: 213001  
Ion Ratio Lower Upper  
228 100  
226 40.5 23.7 35.5#  
229 44.4 15.5 23.3#





#90  
Benzo(b)fluoranthene  
Concen: 1.995 ng/u1  
RT: 23.097 min Scan# 3400  
Delta R.T. 0.012 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47

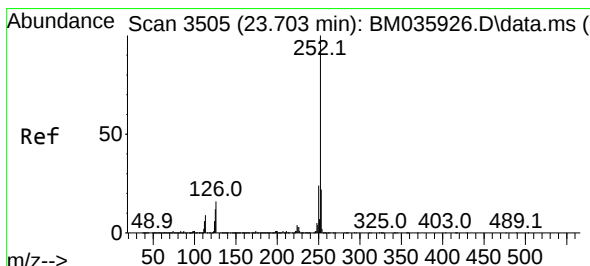
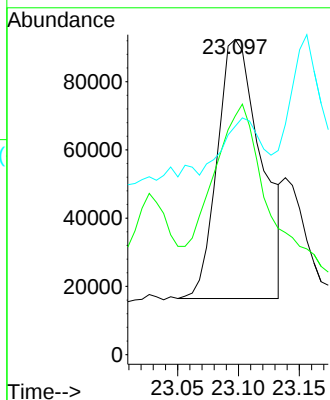
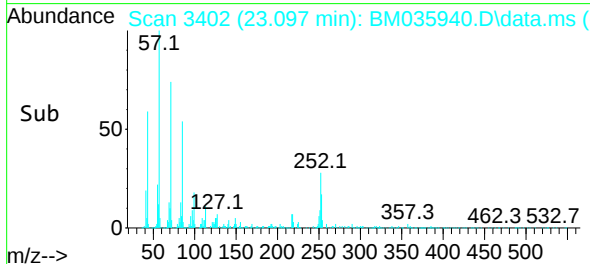
Instrument :  
BNA\_M  
ClientSampleId :  
H0B24



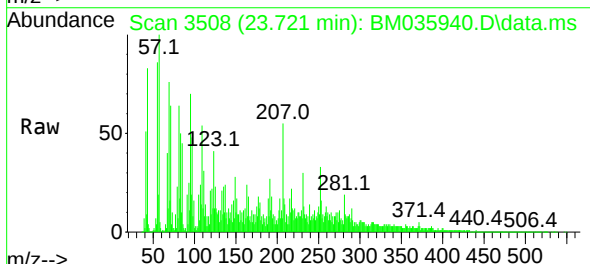
Tgt Ion:252 Resp: 190144  
Ion Ratio Lower Upper  
252 100  
253 75.7 17.5 26.3#  
125 72.4 10.7 16.1#

Manual Integrations  
APPROVED

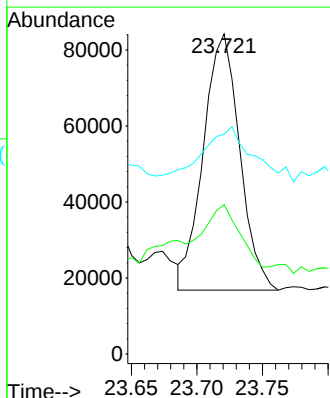
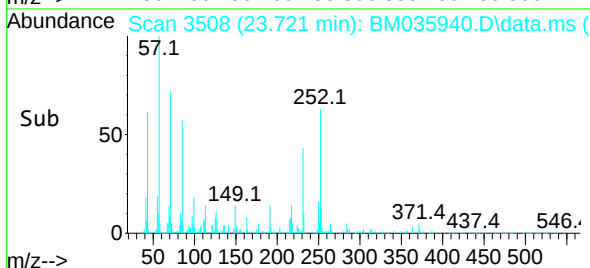
Reviewed By :Jagrut Upadhyay 07/27/2022  
Supervised By :mohammad ahmed 07/27/2022

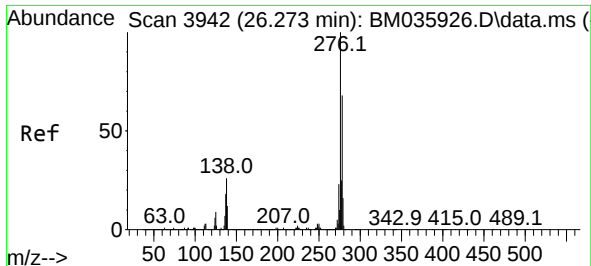


#93  
Benzo(a)pyrene  
Concen: 1.430 ng/u1  
RT: 23.721 min Scan# 3508  
Delta R.T. 0.018 min  
Lab File: BM035940.D  
Acq: 26 Jul 2022 23:47



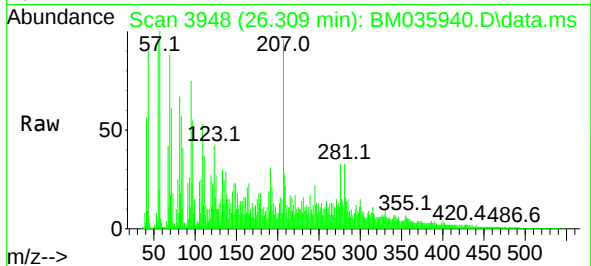
Tgt Ion:252 Resp: 129754  
Ion Ratio Lower Upper  
252 100  
253 46.7 17.3 25.9#  
125 68.7 11.8 17.8#





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.196 ng/ul  
 RT: 26.309 min Scan# 3942  
 Delta R.T. 0.029 min  
 Lab File: BM035940.D  
 Acq: 26 Jul 2022 23:47

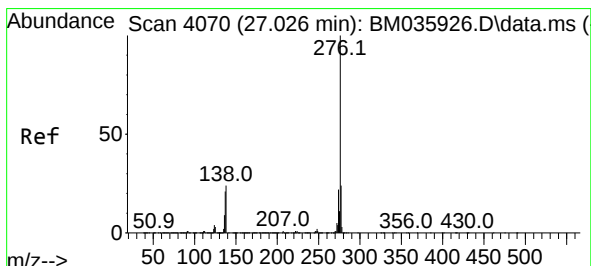
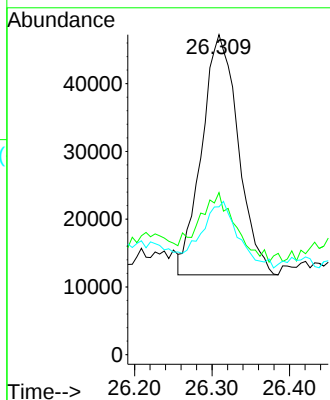
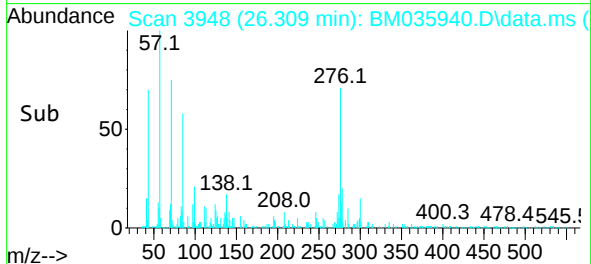
Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0B24



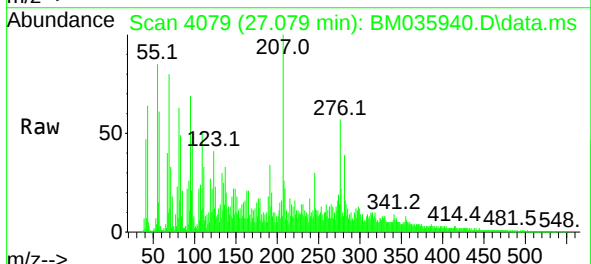
Tgt Ion:276 Resp: 115734  
 Ion Ratio Lower Upper  
 276 100  
 138 50.6 25.6 38.4#  
 277 46.2 20.1 30.1#

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/27/2022  
 Supervised By :mohammad ahmed 07/27/2022



#96  
 Benzo(g,h,i)perylene  
 Concen: 3.062 ng/ul  
 RT: 27.079 min Scan# 4079  
 Delta R.T. 0.047 min  
 Lab File: BM035940.D  
 Acq: 26 Jul 2022 23:47



Tgt Ion:276 Resp: 245510  
 Ion Ratio Lower Upper  
 276 100  
 138 35.2 21.3 31.9#  
 277 38.7 18.6 28.0#

