

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
 Data File : BM039344.D  
 Acq On : 07 Apr 2023 08:53  
 Operator : CG/JU  
 Sample : 02115-01  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB988

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023  
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 09:28:08 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 23:58:10 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.878  | 152  | 7202     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.686 | 136  | 26988    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.527 | 164  | 15792    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.278 | 188  | 28010    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.466 | 240  | 18440    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.854 | 264  | 16521    | 0.400 | ng/ul  | #-0.01   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.254  | 96   | 23398    | 1.755 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.286 | 152  | 5421     | 0.174 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.306 | 212  | 10760    | 0.187 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.735 | 128  | 2265     | 0.035 | ng/ul# | 85       |
| 7) 2-Methylnaphthalene      | 12.357 | 142  | 978      | 0.027 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.572 | 142  | 1081     | 0.026 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.250 | 152  | 7151     | 0.117 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.592 | 153  | 4124     | 0.085 | ng/ul  | 99       |
| 12) Fluorene                | 15.578 | 166  | 5423     | 0.113 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.316 | 178  | 82813    | 1.066 | ng/ul  | 98       |
| 16) Anthracene              | 17.409 | 178  | 18404    | 0.311 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.334 | 202  | 166289   | 2.179 | ng/ul  | 100      |
| 20) Pyrene                  | 19.696 | 202  | 51168    | 0.585 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.448 | 228  | 69700    | 1.639 | ng/ul  | 99       |
| 22) Chrysene                | 21.501 | 228  | 61149    | 1.173 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.126 | 252  | 69016    | 1.317 | ng/ul  | 88       |
| 25) Benzo(k)fluoranthene    | 23.173 | 252  | 36198m   | 0.724 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.746 | 252  | 9229     | 0.175 | ng/ul# | 79       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.331 | 276  | 10643    | 0.160 | ng/ul  | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.341 | 278  | 8524     | 0.183 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

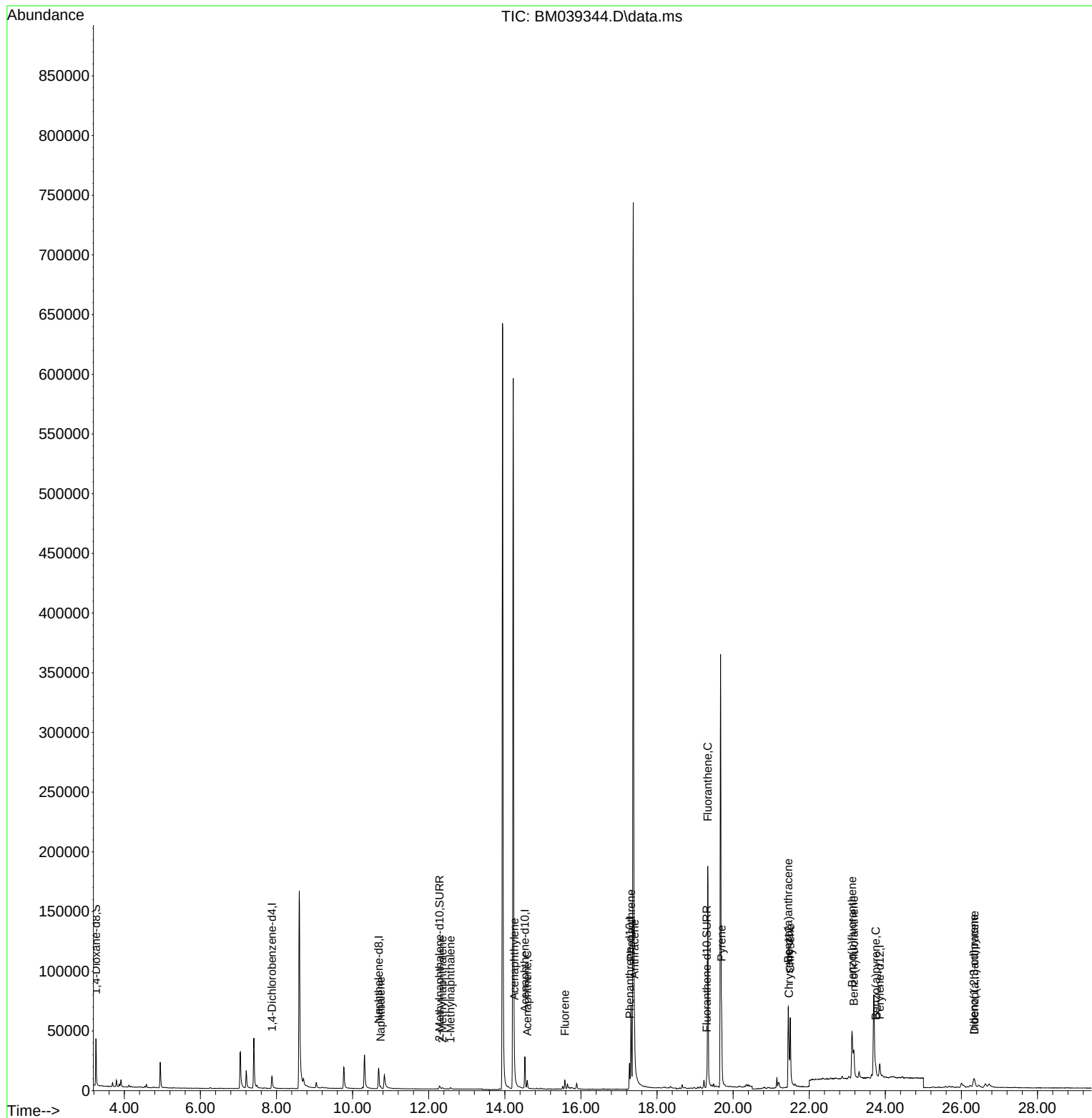
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
Data File : BM039344.D  
Acq On : 07 Apr 2023 08:53  
Operator : CG/JU  
Sample : 02115-01  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

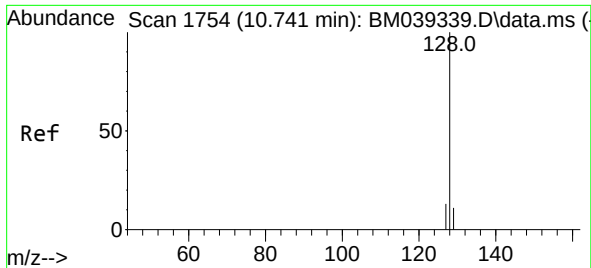
Instrument :  
BNA\_M  
ClientSampleId :  
CB988

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 04/07/2023  
Supervised By : Jagrut Upadhyay 04/07/2023

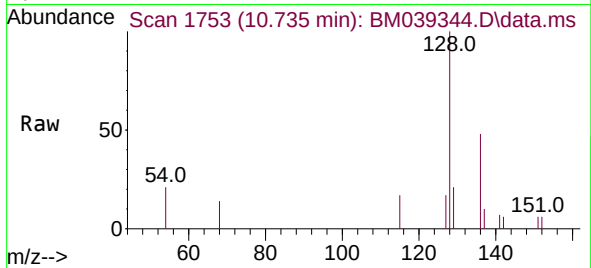
Quant Time: Apr 07 09:28:08 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 06 23:58:10 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.035 ng/ul  
RT: 10.735 min Scan# 1753  
Delta R.T. -0.011 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

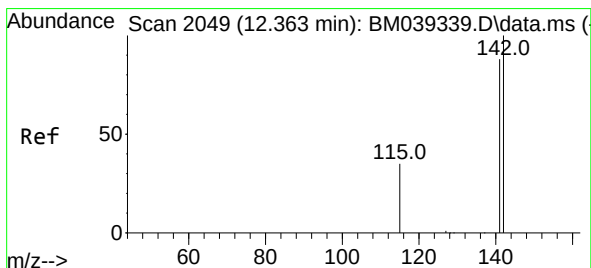
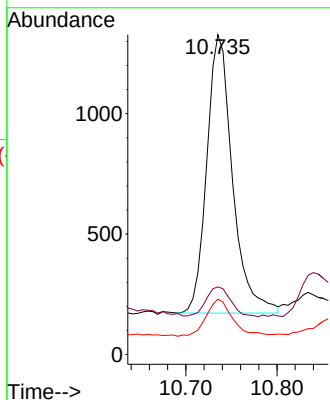
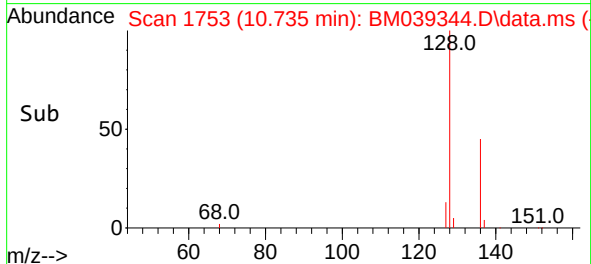
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



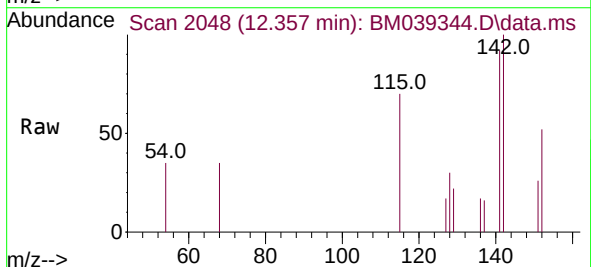
Tgt Ion:128 Resp: 226  
Ion Ratio Lower Upper  
128 100  
129 21.2 10.1 15.1  
127 17.3 11.0 16.4

Manual Integrations  
APPROVED

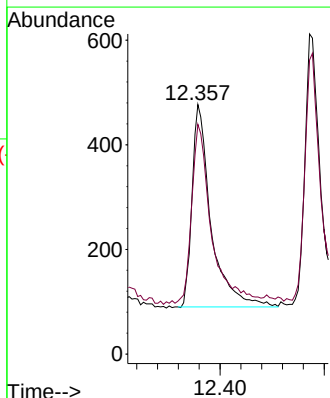
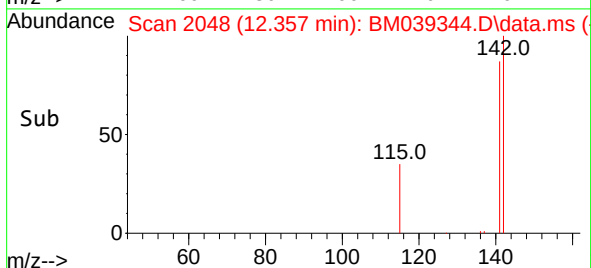
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

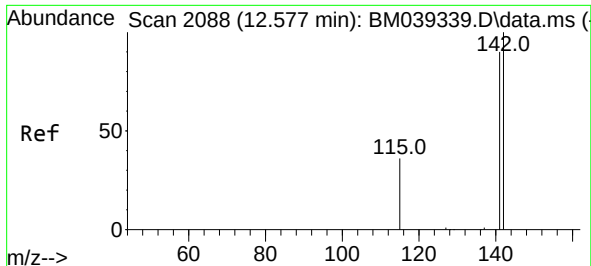


#7  
2-Methylnaphthalene  
Concen: 0.027 ng/ul  
RT: 12.357 min Scan# 2048  
Delta R.T. -0.011 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53



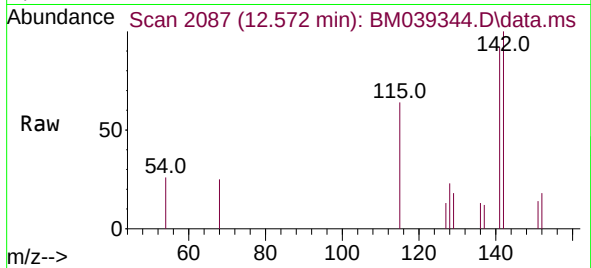
Tgt Ion:142 Resp: 978  
Ion Ratio Lower Upper  
142 100  
141 97.6 71.8 107.6





#8  
1-Methylnaphthalene  
Concen: 0.026 ng/ul  
RT: 12.572 min Scan# 2088  
Delta R.T. -0.011 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

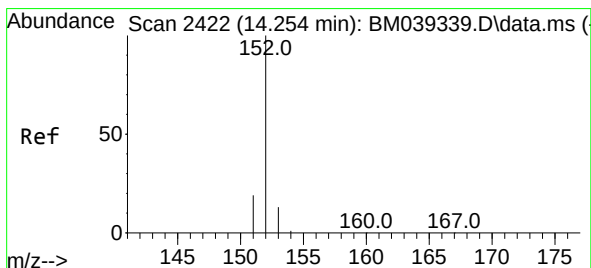
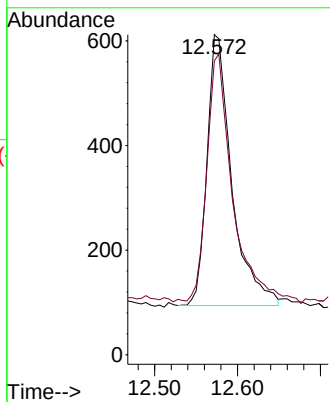
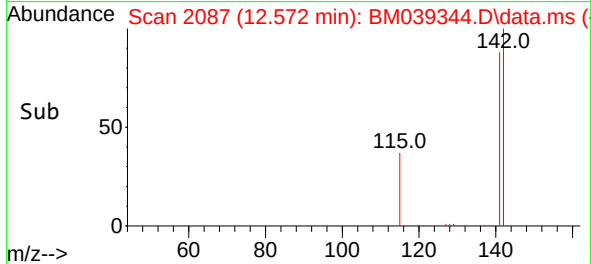
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



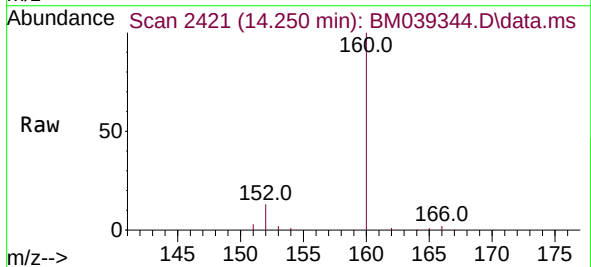
Tgt Ion:142 Resp: 1083  
Ion Ratio Lower Upper  
142 100  
141 93.3 72.6 109.0

Manual Integrations  
APPROVED

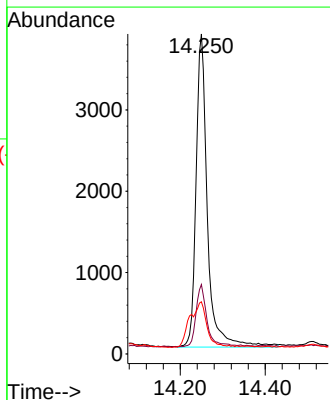
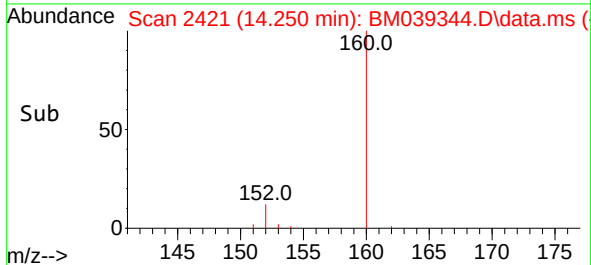
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

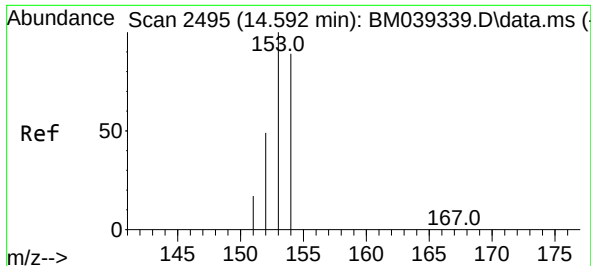


#10  
Acenaphthylene  
Concen: 0.117 ng/ul  
RT: 14.250 min Scan# 2421  
Delta R.T. -0.009 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53



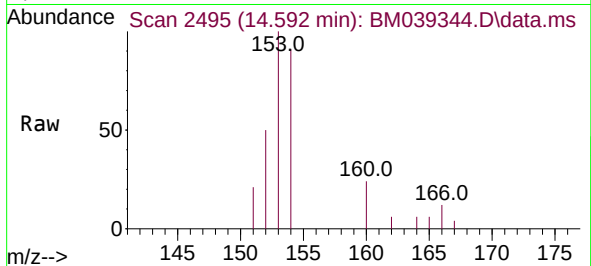
Tgt Ion:152 Resp: 7151  
Ion Ratio Lower Upper  
152 100  
151 21.7 16.2 24.4  
153 16.3 11.6 17.4





#11  
Acenaphthene  
Concen: 0.085 ng/u1  
RT: 14.592 min Scan# 2495  
Delta R.T. -0.005 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

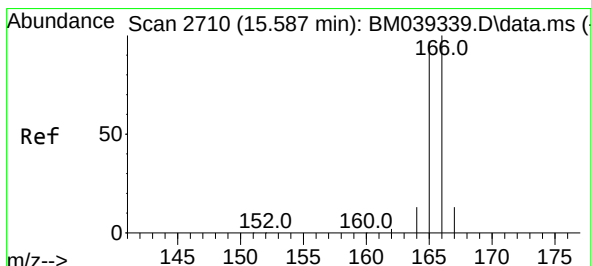
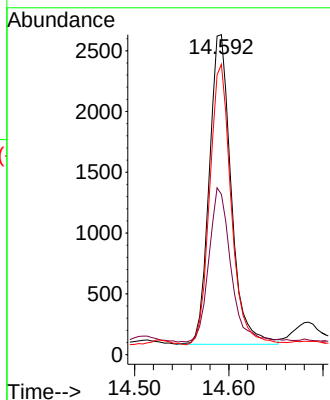
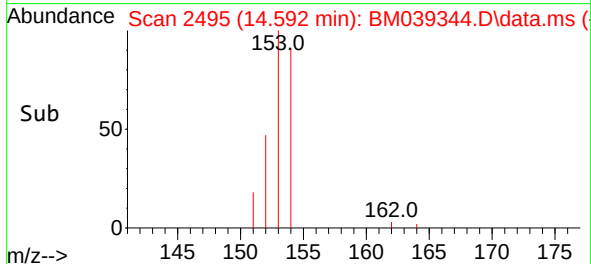
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



Tgt Ion:153 Resp: 4124  
Ion Ratio Lower Upper  
153 100  
152 50.1 40.3 60.5  
154 90.7 71.5 107.3

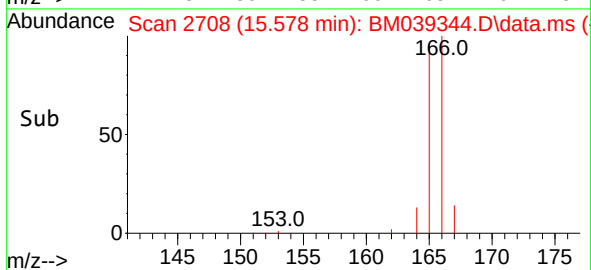
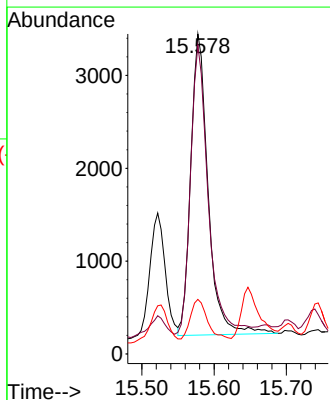
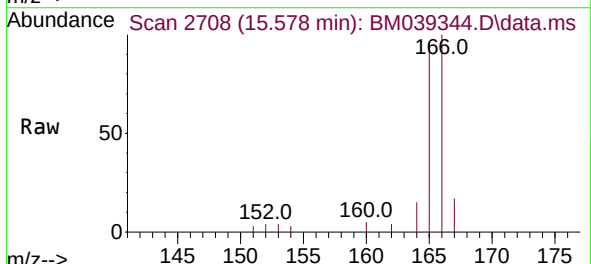
Manual Integrations  
APPROVED

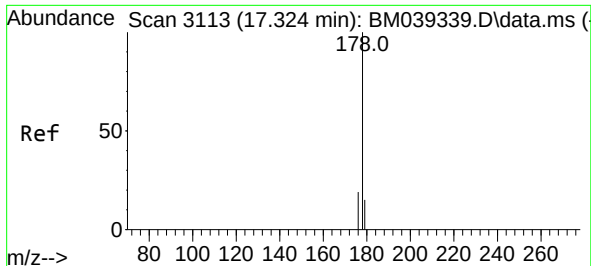
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#12  
Fluorene  
Concen: 0.113 ng/u1  
RT: 15.578 min Scan# 2708  
Delta R.T. -0.014 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

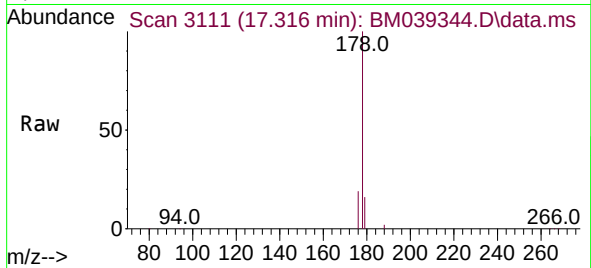
Tgt Ion:166 Resp: 5423  
Ion Ratio Lower Upper  
166 100  
165 96.4 77.8 116.8  
167 17.1 11.8 17.6





#15  
Phenanthrene  
Concen: 1.066 ng/ul  
RT: 17.316 min Scan# 3111  
Delta R.T. -0.013 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

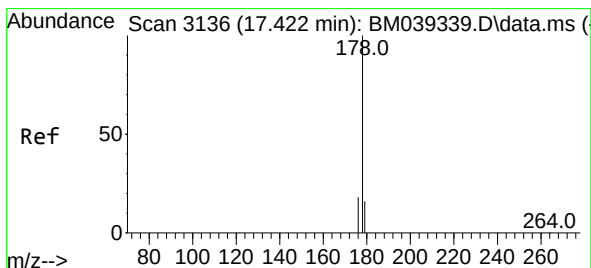
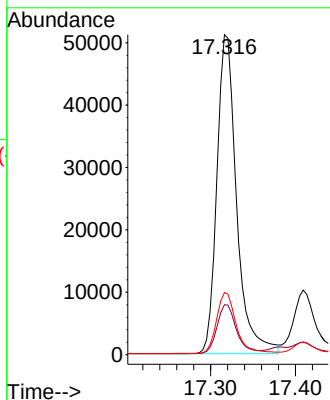
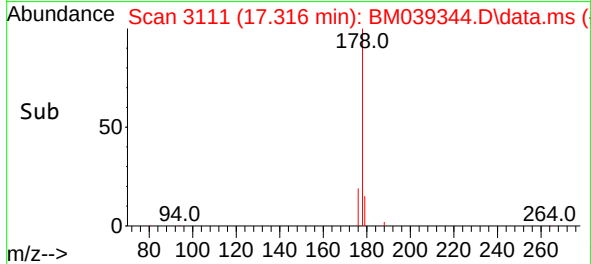
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



Tgt Ion:178 Resp: 82813  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.4 20.2  
176 19.4 15.8 23.6

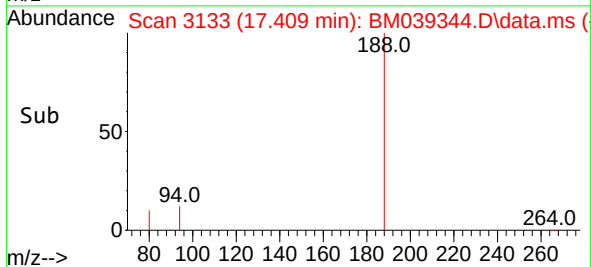
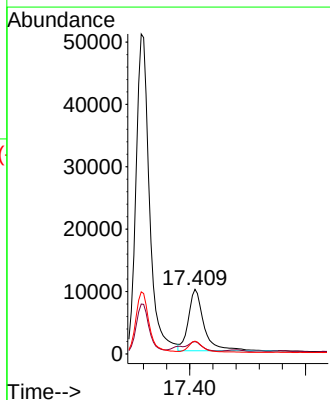
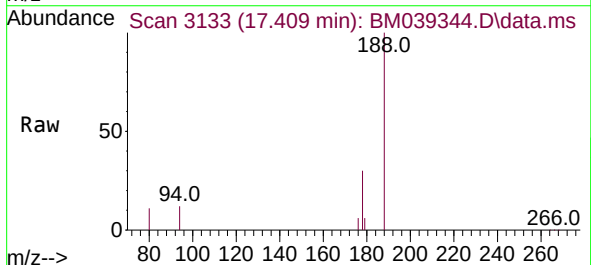
Manual Integrations  
APPROVED

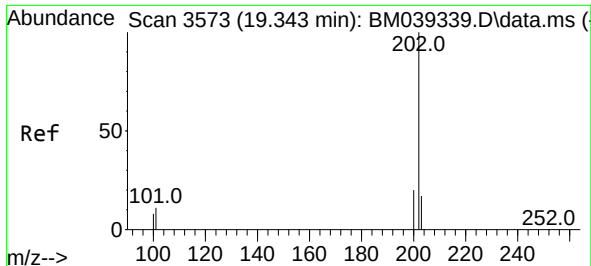
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#16  
Anthracene  
Concen: 0.311 ng/ul  
RT: 17.409 min Scan# 3133  
Delta R.T. -0.017 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

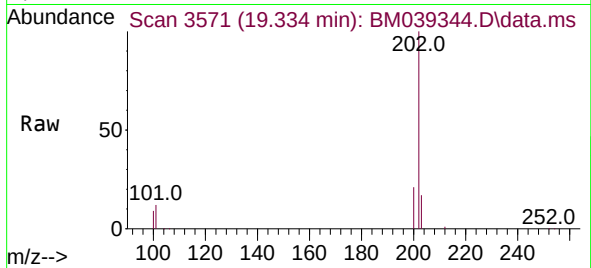
Tgt Ion:178 Resp: 18404  
Ion Ratio Lower Upper  
178 100  
179 19.0 14.6 21.8  
176 19.8 16.6 24.8





#19  
Fluoranthene  
Concen: 2.179 ng/u1  
RT: 19.334 min Scan# 3571  
Delta R.T. -0.014 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

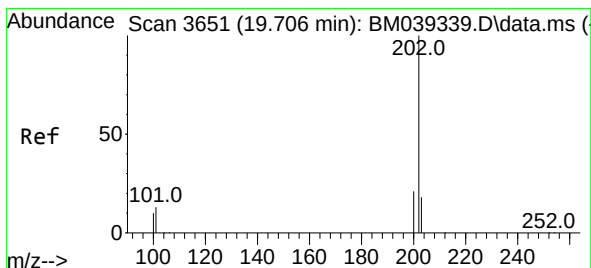
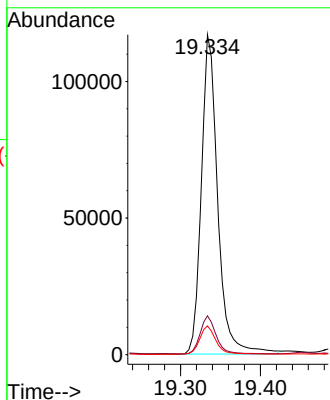
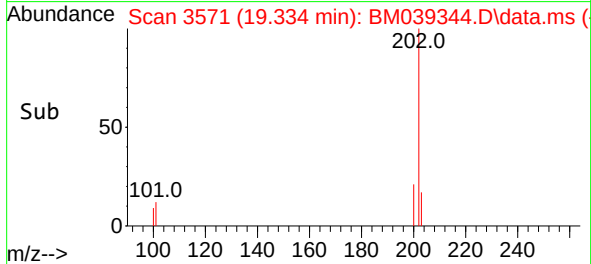
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



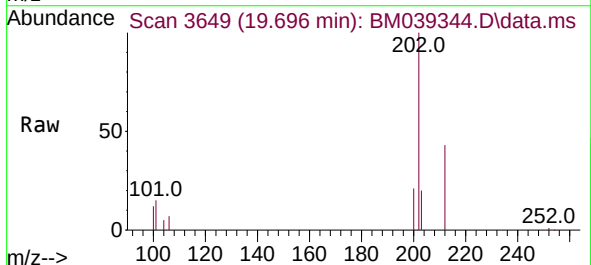
Tgt Ion:202 Resp: 166289  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.7 14.5  
100 9.0 7.4 11.0

Manual Integrations  
APPROVED

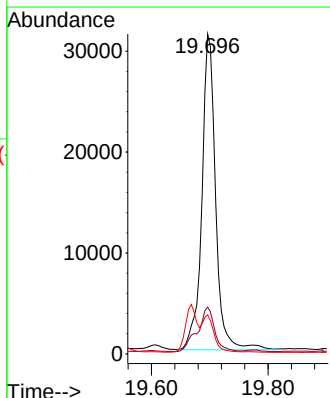
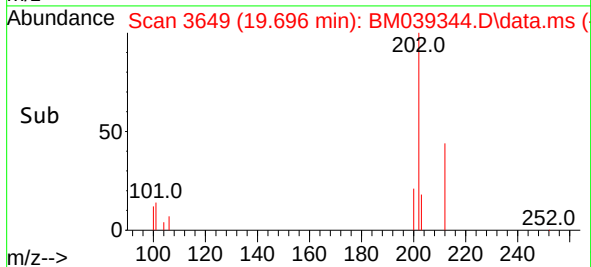
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

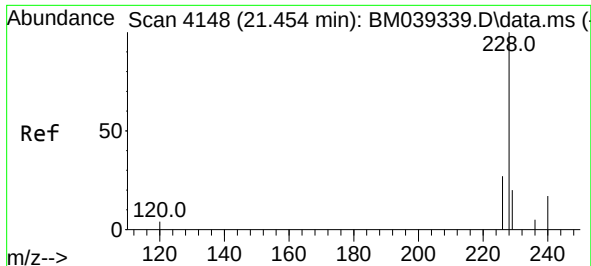


#20  
Pyrene  
Concen: 0.585 ng/u1  
RT: 19.696 min Scan# 3649  
Delta R.T. -0.014 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53



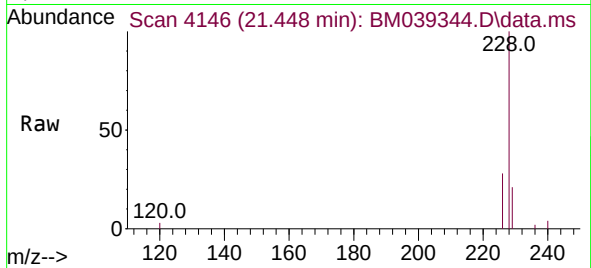
Tgt Ion:202 Resp: 51168  
Ion Ratio Lower Upper  
202 100  
101 14.6 11.1 16.7  
100 12.2 8.8 13.2





#21  
Benzo(a)anthracene  
Concen: 1.639 ng/ul  
RT: 21.448 min Scan# 4148  
Delta R.T. -0.012 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

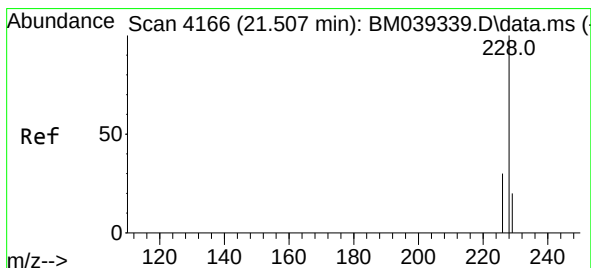
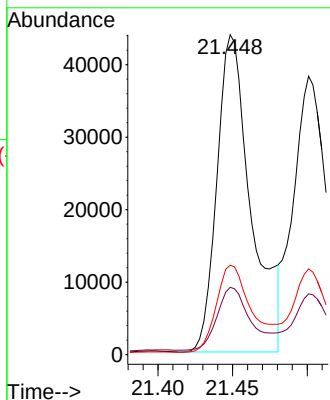
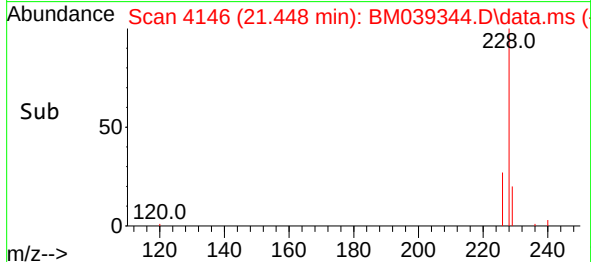
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



Tgt Ion:228 Resp: 69700  
Ion Ratio Lower Upper  
228 100  
229 21.0 16.6 24.8  
226 27.9 22.6 34.0

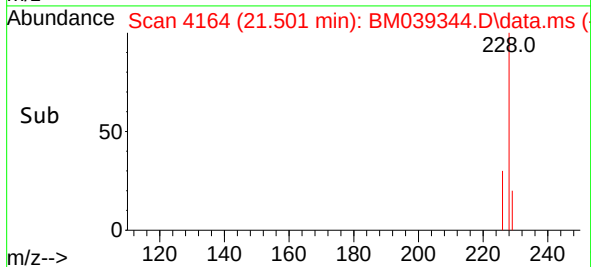
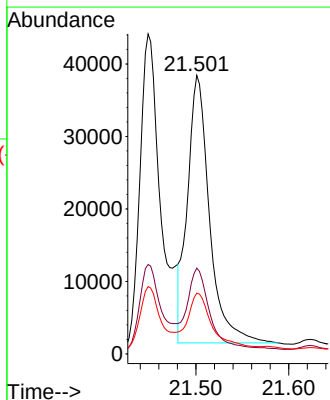
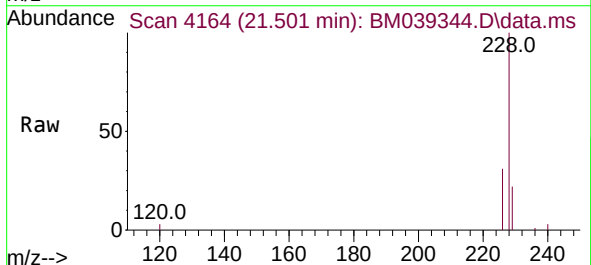
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023

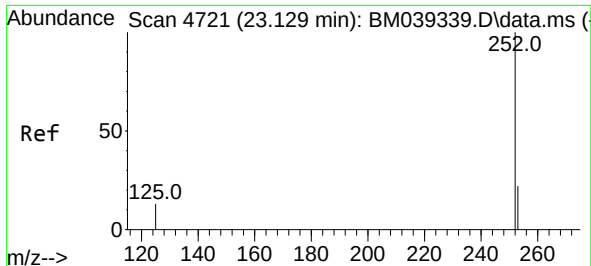


#22  
Chrysene  
Concen: 1.173 ng/ul  
RT: 21.501 min Scan# 4164  
Delta R.T. -0.009 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

Tgt Ion:228 Resp: 61149  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.2 36.2  
229 21.8 16.2 24.4

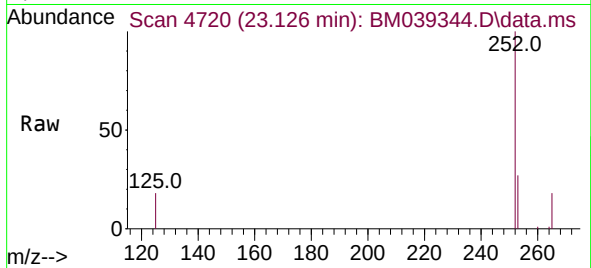






#24  
Benzo(b)fluoranthene  
Concen: 1.317 ng/ul  
RT: 23.126 min Scan# 4720  
Delta R.T. -0.009 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

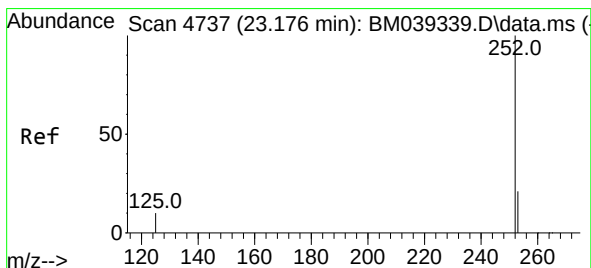
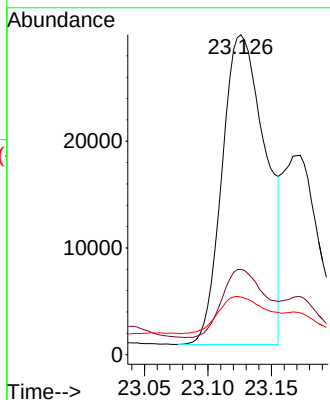
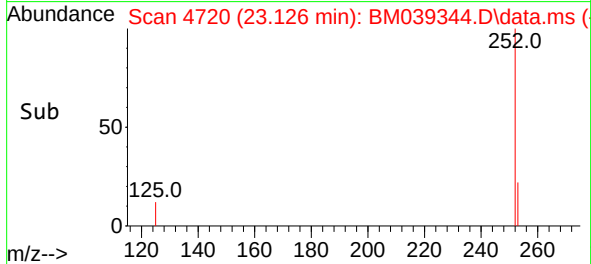
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



Tgt Ion:252 Resp: 69016  
Ion Ratio Lower Upper  
252 100  
253 26.6 0.0 64.4  
125 18.0 0.0 50.4

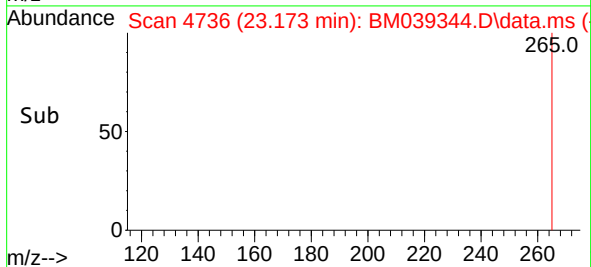
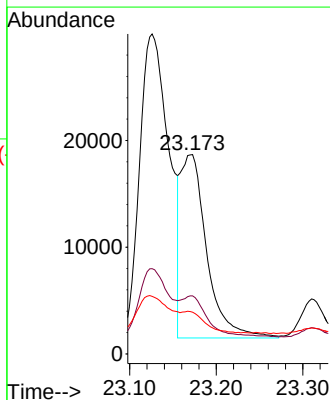
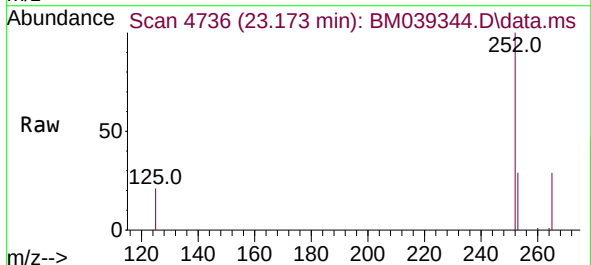
Manual Integrations  
APPROVED

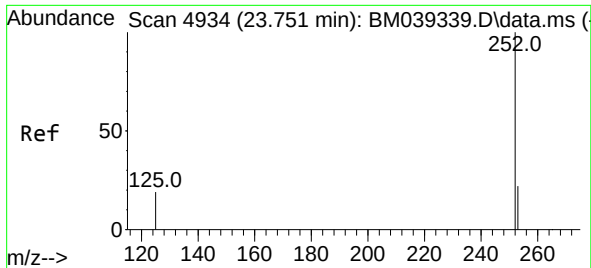
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.724 ng/ul m  
RT: 23.173 min Scan# 4736  
Delta R.T. -0.012 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

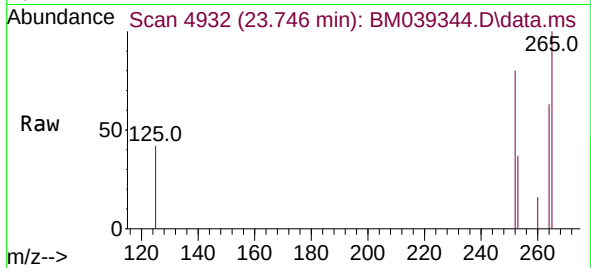
Tgt Ion:252 Resp: 36198  
Ion Ratio Lower Upper  
252 100  
253 29.1 25.5 38.3  
125 20.9 20.4 30.6





#26  
Benzo(a)pyrene  
Concen: 0.175 ng/ul  
RT: 23.746 min Scan# 4934  
Delta R.T. -0.018 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

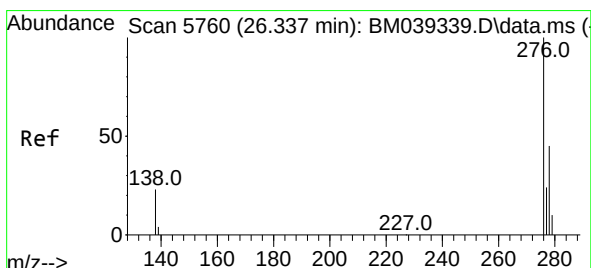
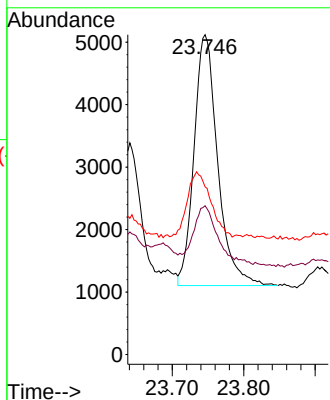
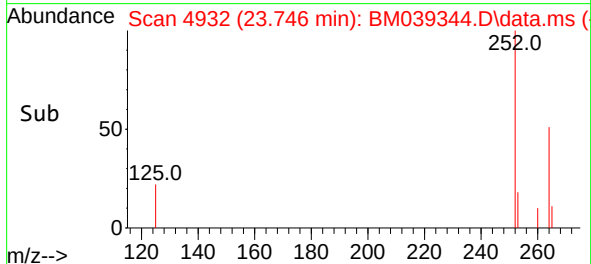
Instrument :  
BNA\_M  
ClientSampleId :  
CB988



Tgt Ion:252 Resp: 9229  
Ion Ratio Lower Upper  
252 100  
253 46.5 31.0 46.4  
125 52.4 28.2 42.4

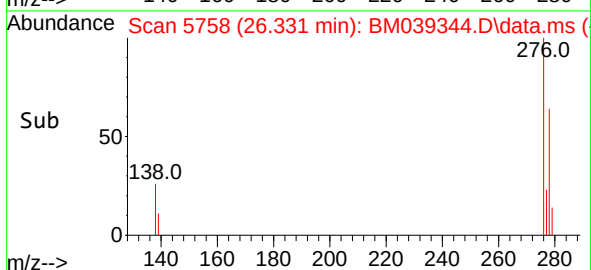
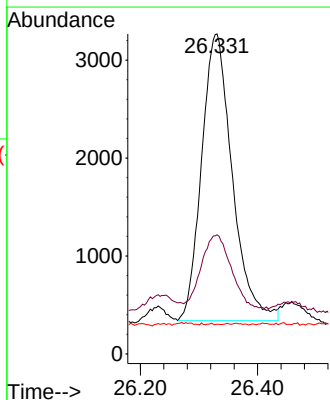
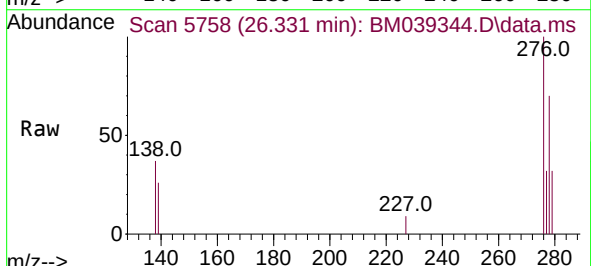
Manual Integrations  
APPROVED

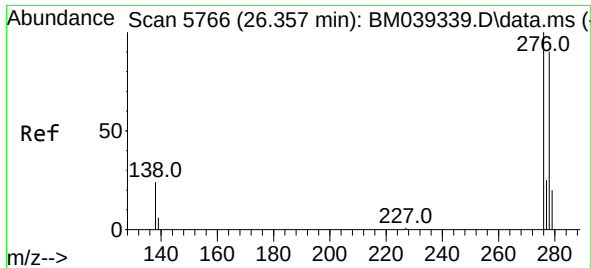
Reviewed By :Christian Giraldo 04/07/2023  
Supervised By :Jagrut Upadhyay 04/07/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.160 ng/ul  
RT: 26.331 min Scan# 5758  
Delta R.T. -0.020 min  
Lab File: BM039344.D  
Acq: 07 Apr 2023 08:53

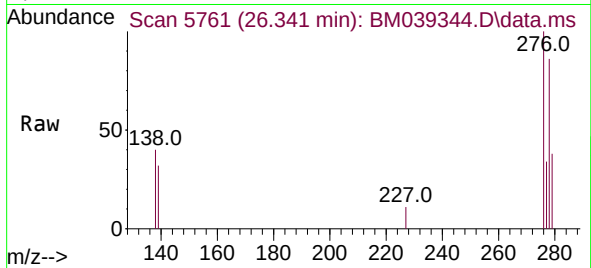
Tgt Ion:276 Resp: 10643  
Ion Ratio Lower Upper  
276 100  
138 27.4 21.4 32.0  
227 0.1 0.1 0.1





#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.183 ng/ul  
 RT: 26.341 min Scan# 51  
 Delta R.T. -0.030 min  
 Lab File: BM039344.D  
 Acq: 07 Apr 2023 08:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB988



Tgt Ion:278 Resp: 8524  
 Ion Ratio Lower Upper  
 278 100  
 139 37.1 21.8 32.6  
 279 44.7 30.0 45.0

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 04/07/2023  
 Supervised By :Jagrut Upadhyay 04/07/2023

