

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
 Data File : BM045499.D  
 Acq On : 23 Apr 2024 03:17  
 Operator : MA/JU  
 Sample : P2037-22  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E1CX7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/26/2024

Quant Time: Apr 23 08:32:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 02:57:45 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.555  | 152  | 1108     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.320 | 136  | 3539     | 0.400 | ng/ul  | #-0.05   |
| 9) Acenaphthene-d10         | 14.200 | 164  | 2148     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.963 | 188  | 4700m    | 0.400 | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.184 | 240  | 3215     | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.373 | 264  | 3369m    | 0.400 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.163  | 96   | 4201     | 2.829 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152  | 1078     | 0.231 | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 19.006 | 212  | 2526     | 0.250 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.364 | 128  | 4552     | 0.479 | ng/ul# | 89       |
| 7) 2-Methylnaphthalene      | 12.002 | 142  | 1310     | 0.241 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.222 | 142  | 717      | 0.118 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.923 | 152  | 815      | 0.077 | ng/ul# | 82       |
| 11) Acenaphthene            | 14.265 | 153  | 292      | 0.037 | ng/ul  | 95       |
| 12) Fluorene                | 15.264 | 166  | 426      | 0.051 | ng/ul# | 91       |
| 15) Phenanthrene            | 17.005 | 178  | 14238    | 1.040 | ng/ul  | 94       |
| 16) Anthracene              | 17.098 | 178  | 2651m    | 0.207 | ng/ul  |          |
| 19) Fluoranthene            | 19.038 | 202  | 30600    | 2.062 | ng/ul# | 89       |
| 20) Pyrene                  | 19.401 | 202  | 26117    | 1.713 | ng/ul# | 92       |
| 21) Benzo(a)anthracene      | 21.167 | 228  | 14223    | 1.384 | ng/ul  | 96       |
| 22) Chrysene                | 21.220 | 228  | 18092    | 1.145 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.719 | 252  | 28471    | 2.512 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 22.759 | 252  | 9123m    | 0.637 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.274 | 252  | 12890    | 1.097 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.555 | 276  | 15067    | 0.882 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 25.565 | 278  | 3765m    | 0.278 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.219 | 276  | 13210    | 0.861 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

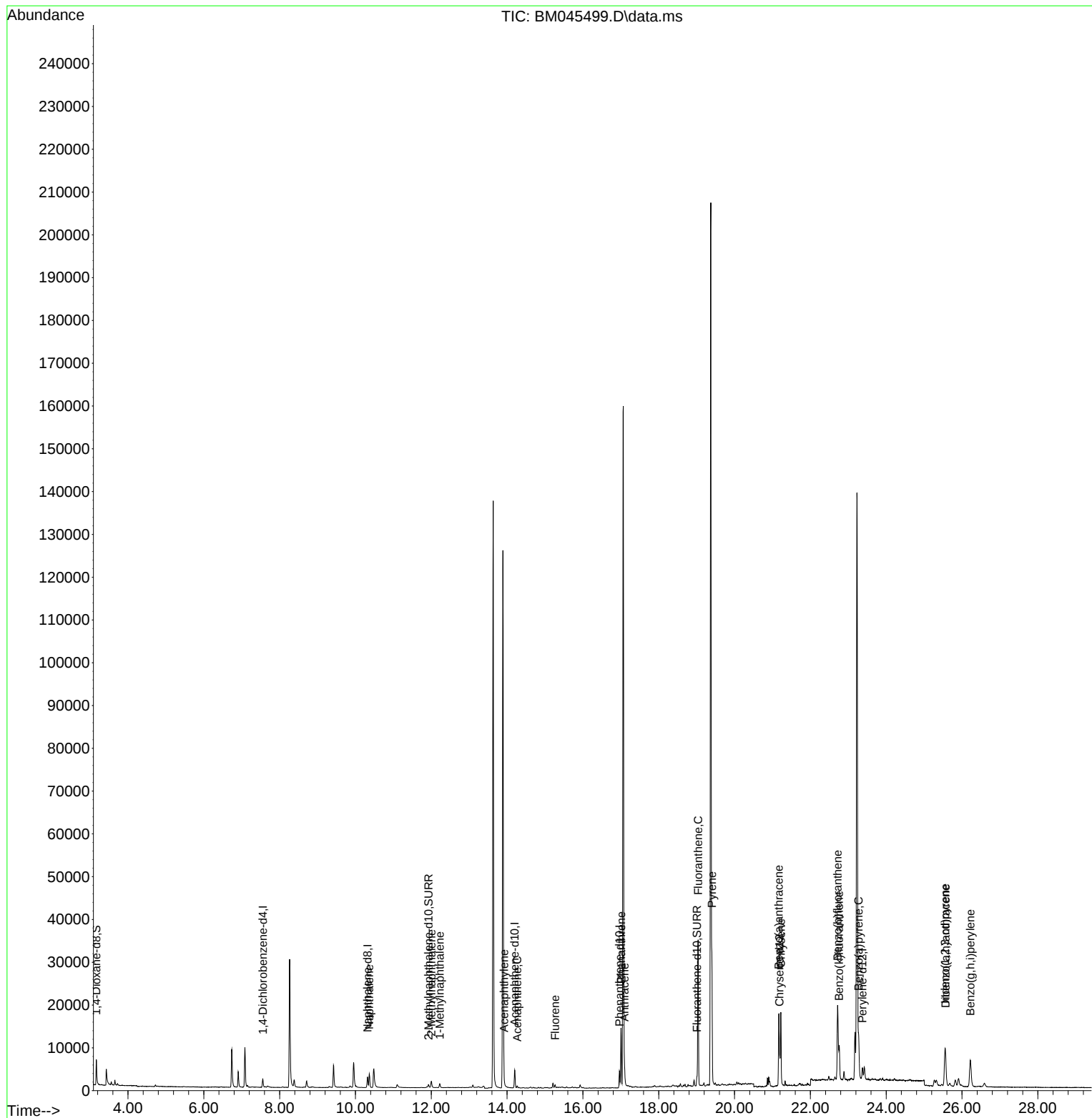
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042224\  
Data File : BM045499.D  
Acq On : 23 Apr 2024 03:17  
Operator : MA/JU  
Sample : P2037-22  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

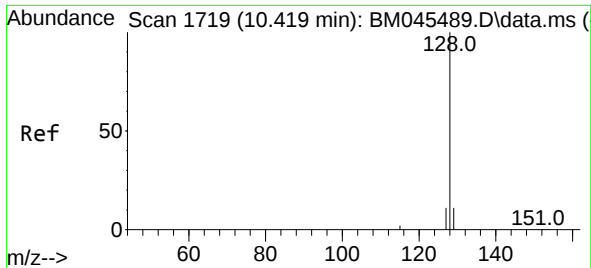
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024

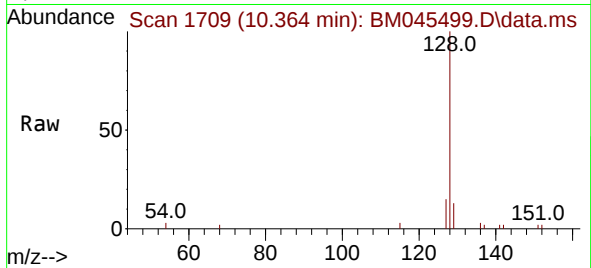
Quant Time: Apr 23 08:32:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM042024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 23 02:57:45 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.479 ng/ul  
RT: 10.364 min Scan# 1719  
Delta R.T. -0.055 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

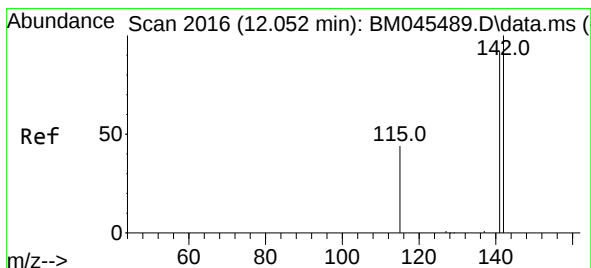
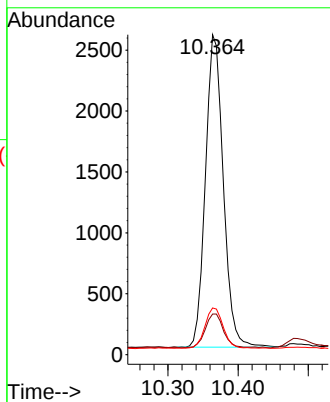
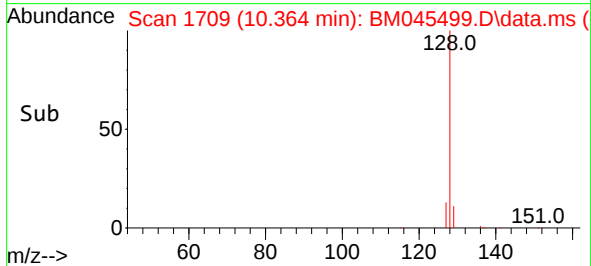
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:128 Resp: 4552  
Ion Ratio Lower Upper  
128 100  
129 12.7 14.0 21.0  
127 14.6 15.4 23.2

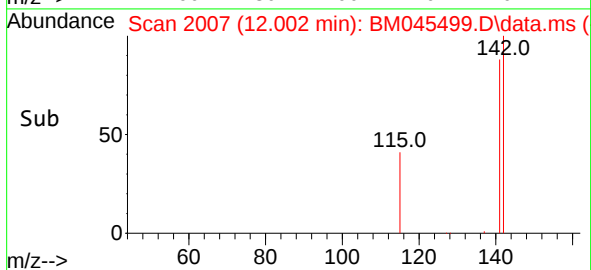
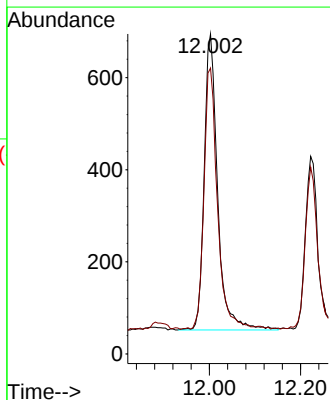
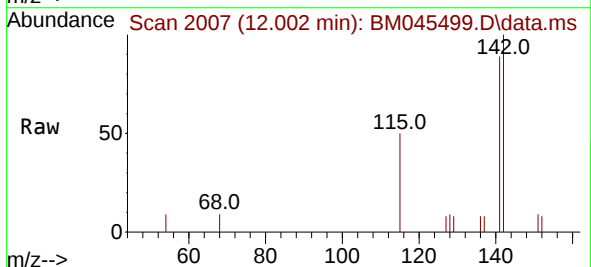
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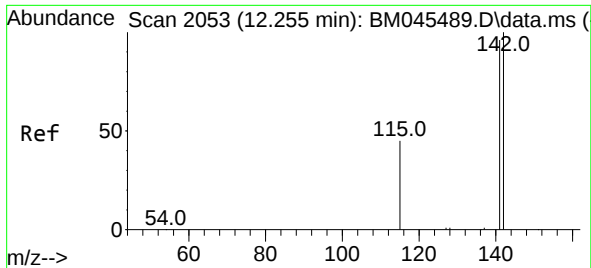
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#7  
2-Methylnaphthalene  
Concen: 0.241 ng/ul  
RT: 12.002 min Scan# 2007  
Delta R.T. -0.049 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

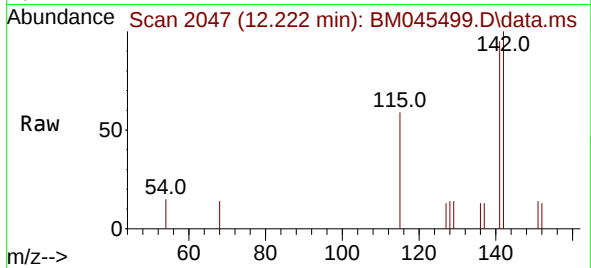
Tgt Ion:142 Resp: 1310  
Ion Ratio Lower Upper  
142 100  
141 90.6 74.6 111.8





#8  
1-Methylnaphthalene  
Concen: 0.118 ng/ul  
RT: 12.222 min Scan# 2053  
Delta R.T. -0.033 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

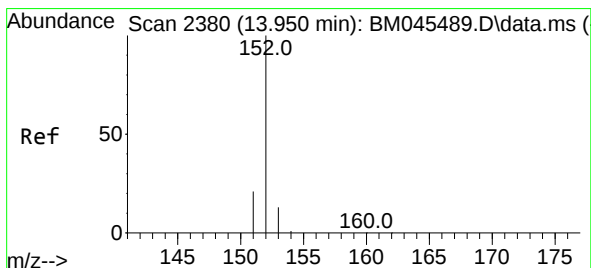
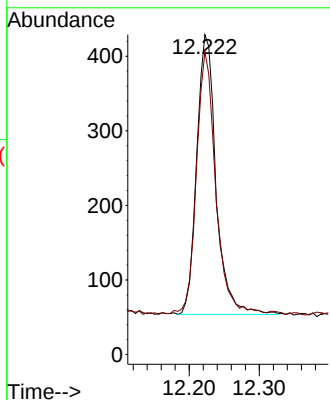
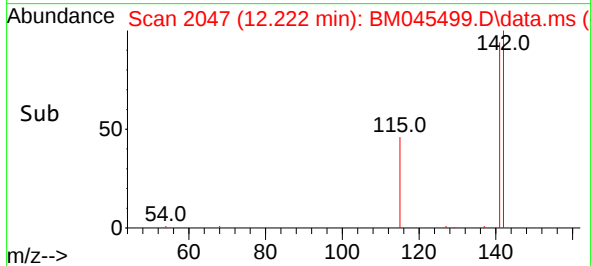
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:142 Resp: 71  
Ion Ratio Lower Upper  
142 100  
141 94.1 76.1 114.1

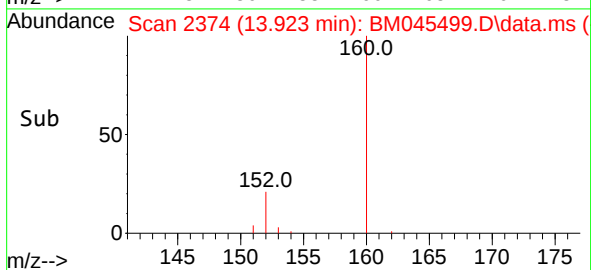
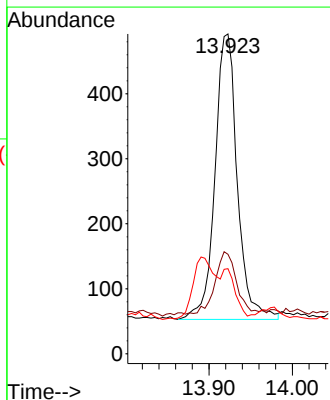
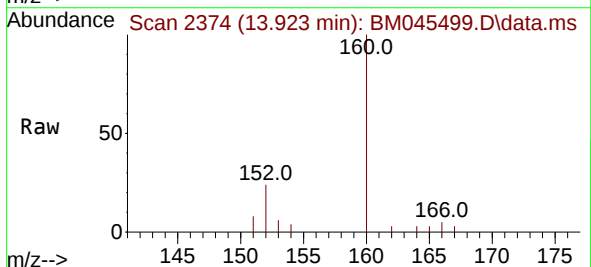
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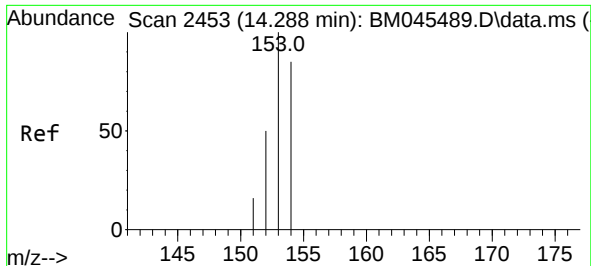
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#10  
Acenaphthylene  
Concen: 0.077 ng/ul  
RT: 13.923 min Scan# 2374  
Delta R.T. -0.028 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

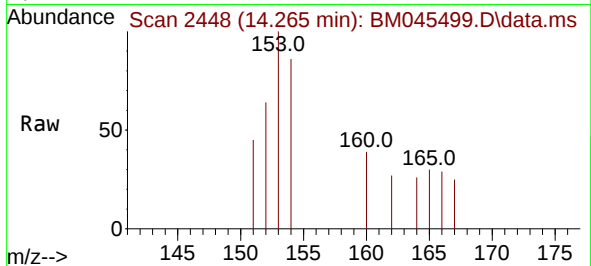
Tgt Ion:152 Resp: 815  
Ion Ratio Lower Upper  
152 100  
151 31.1 18.6 28.0#  
153 26.6 14.1 21.1#





#11  
Acenaphthene  
Concen: 0.037 ng/ul  
RT: 14.265 min Scan# 2448  
Delta R.T. -0.023 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

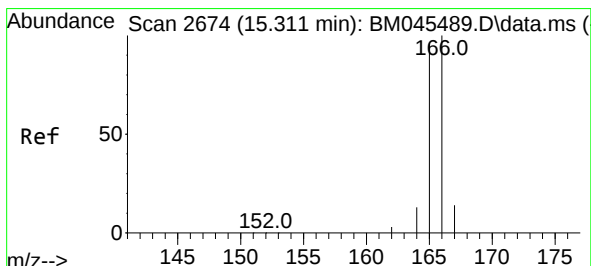
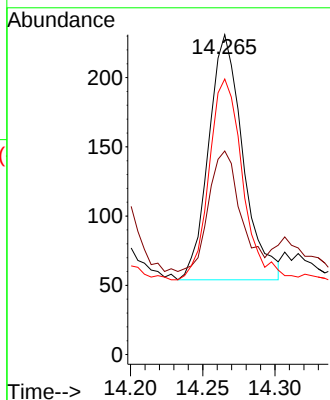
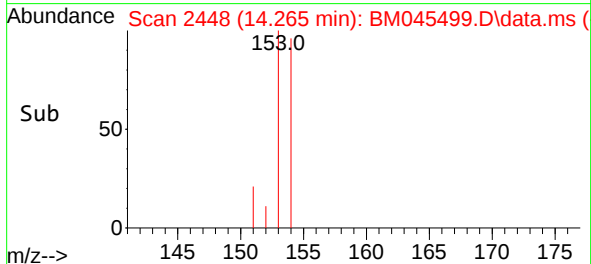
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:153 Resp: 292  
Ion Ratio Lower Upper  
153 100  
152 63.6 43.4 65.2  
154 86.1 69.0 103.6

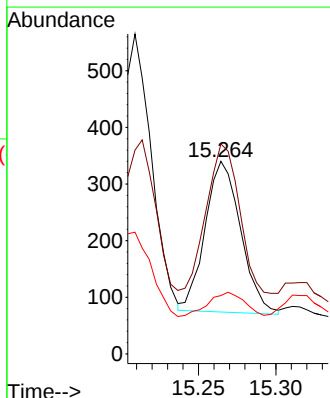
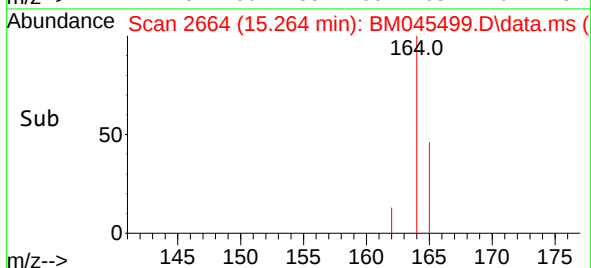
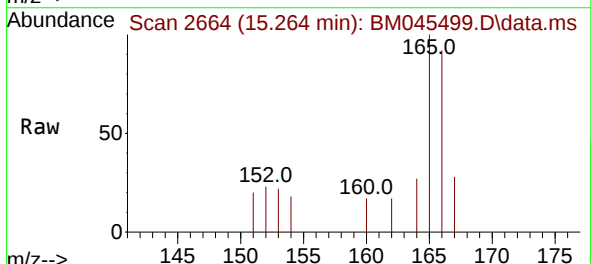
Manual Integrations  
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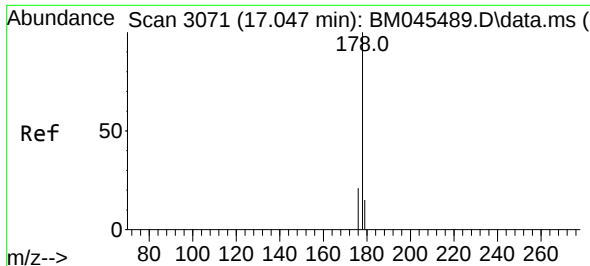
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#12  
Fluorene  
Concen: 0.051 ng/ul  
RT: 15.264 min Scan# 2664  
Delta R.T. -0.046 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

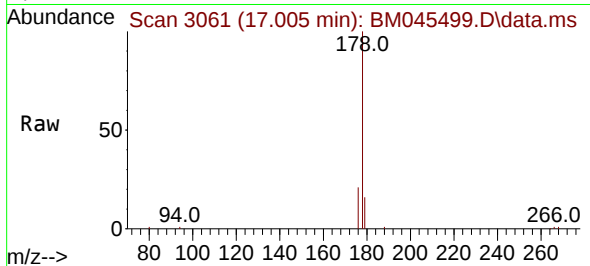
Tgt Ion:166 Resp: 426  
Ion Ratio Lower Upper  
166 100  
165 109.1 82.2 123.2  
167 30.3 14.8 22.2#





#15  
Phenanthrene  
Concen: 1.040 ng/ul  
RT: 17.005 min Scan# 3061  
Delta R.T. -0.042 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

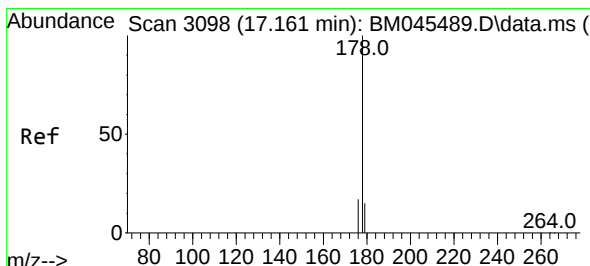
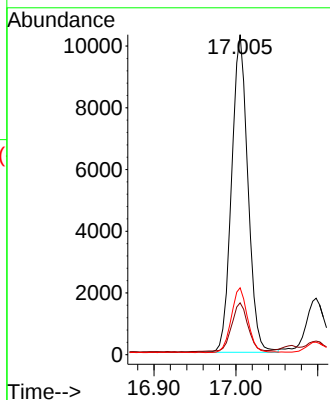
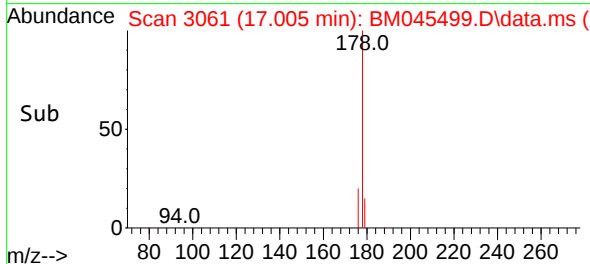
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



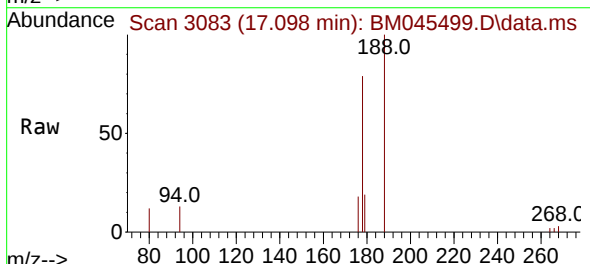
Tgt Ion:178 Resp: 14238  
Ion Ratio Lower Upper  
178 100  
179 16.2 15.4 23.2  
176 20.9 19.0 28.4

Manual Integrations  
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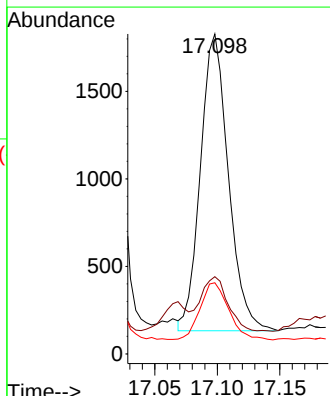
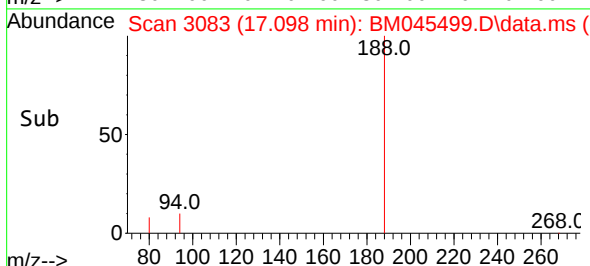
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024

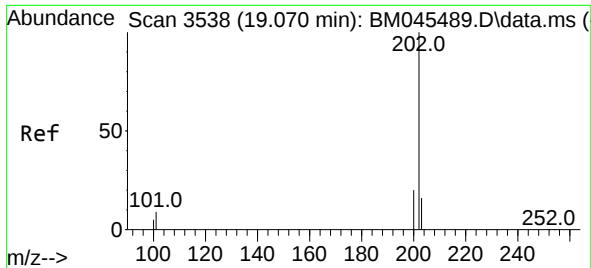


#16  
Anthracene  
Concen: 0.207 ng/ul m  
RT: 17.098 min Scan# 3083  
Delta R.T. -0.063 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17



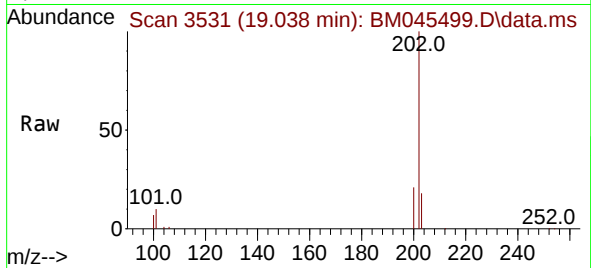
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Ion Ratio Lower Upper  
178 100  
179 24.1 17.8 26.6  
176 22.3 18.7 28.1





#19  
Fluoranthene  
Concen: 2.062 ng/ul  
RT: 19.038 min Scan# 3060  
Delta R.T. -0.032 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

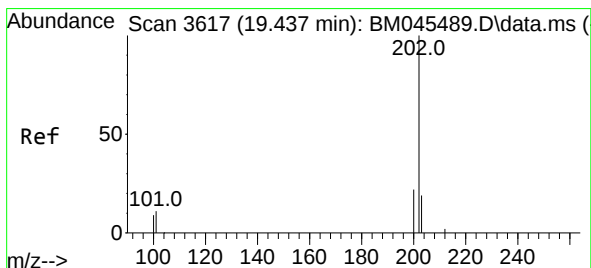
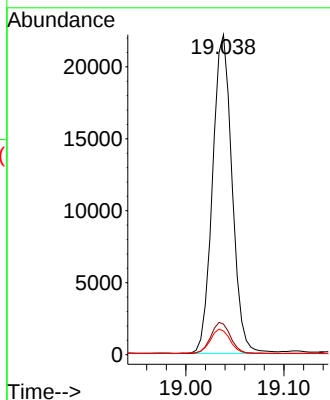
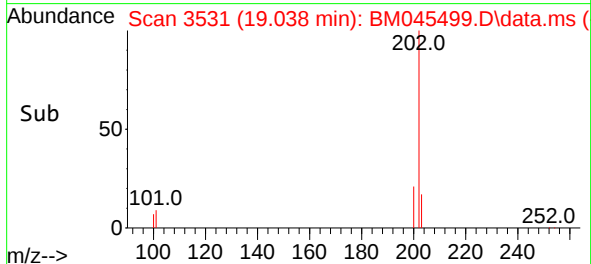
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:202 Resp: 3060  
Ion Ratio Lower Upper  
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101 9.5 11.2 16.8#  
100 7.4 9.1 13.7#

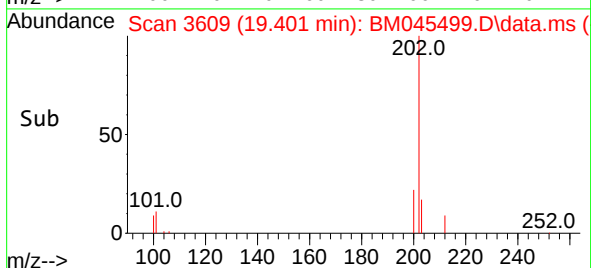
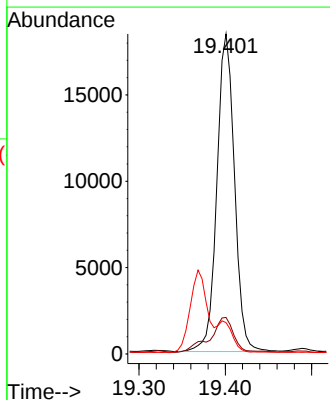
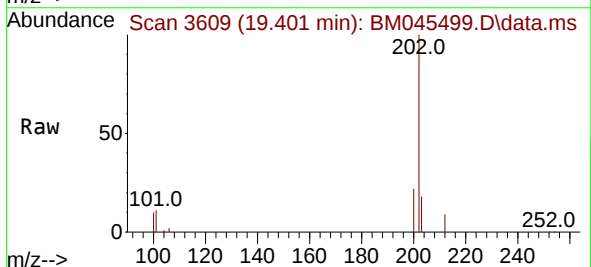
Manual Integrations  
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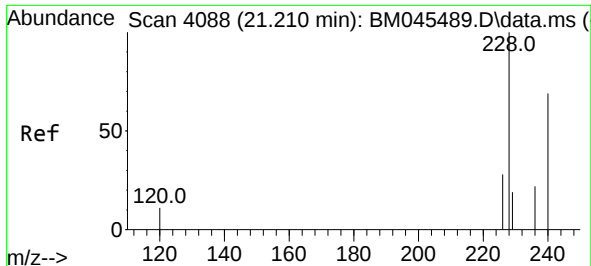
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#20  
Pyrene  
Concen: 1.713 ng/ul  
RT: 19.401 min Scan# 3609  
Delta R.T. -0.037 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

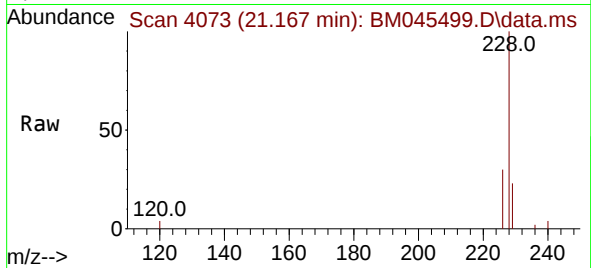
Tgt Ion:202 Resp: 26117  
Ion Ratio Lower Upper  
202 100  
101 11.4 11.5 17.3#  
100 9.8 10.6 15.8#





#21  
Benzo(a)anthracene  
Concen: 1.384 ng/ul  
RT: 21.167 min Scan# 4090  
Delta R.T. -0.043 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

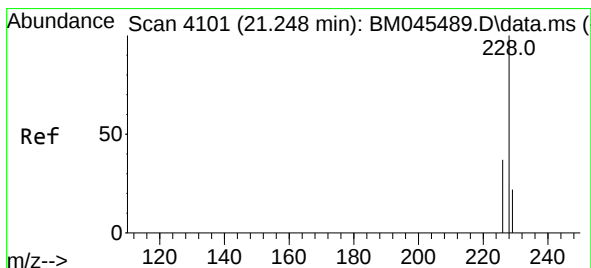
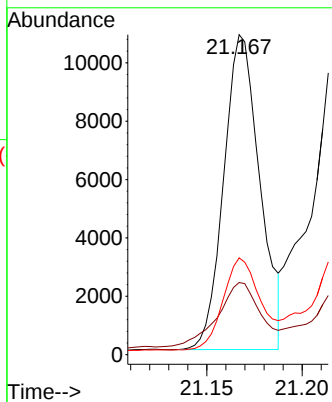
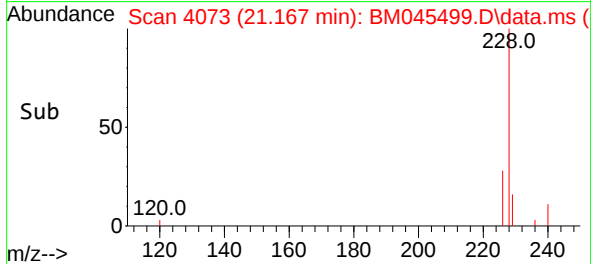
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:228 Resp: 1422  
Ion Ratio Lower Upper  
228 100  
229 22.6 19.4 29.2  
226 30.3 26.3 39.5

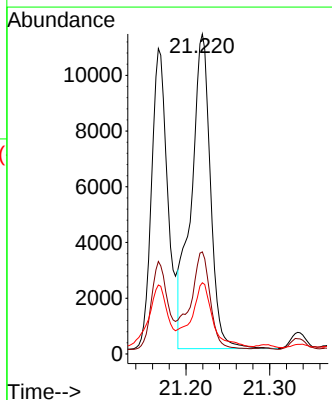
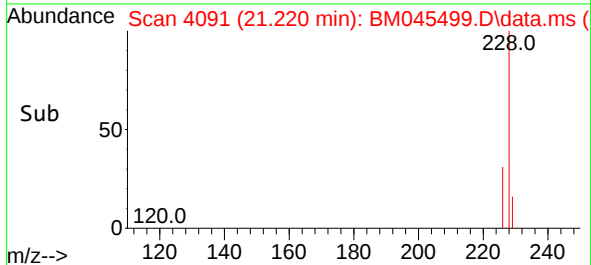
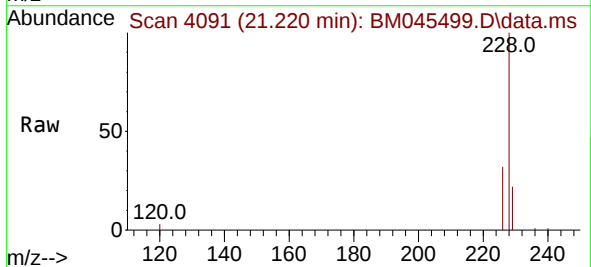
Manual Integrations  
APPROVED

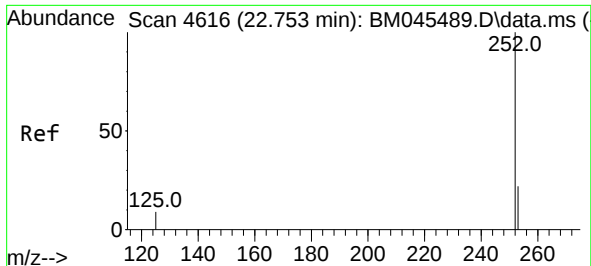
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#22  
Chrysene  
Concen: 1.145 ng/ul  
RT: 21.220 min Scan# 4091  
Delta R.T. -0.029 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

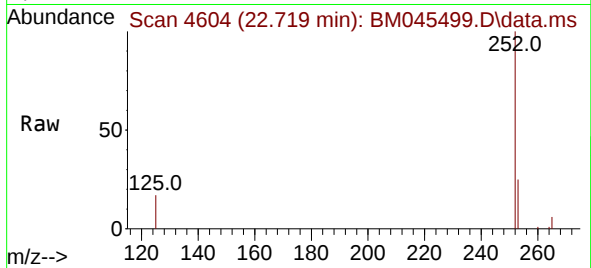
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Ion Ratio Lower Upper  
228 100  
226 31.9 26.3 39.5  
229 22.3 17.8 26.8





#24  
Benzo(b)fluoranthene  
Concen: 2.512 ng/ul  
RT: 22.719 min Scan# 4604  
Delta R.T. -0.035 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

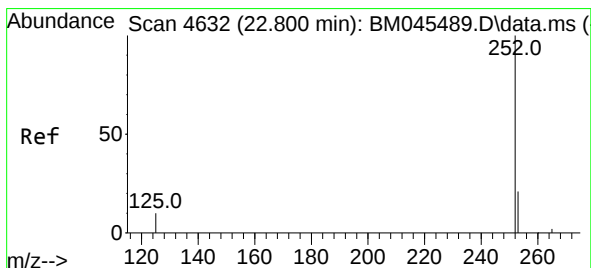
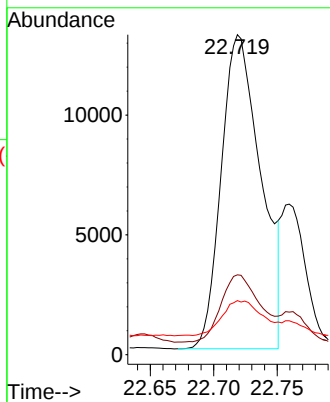
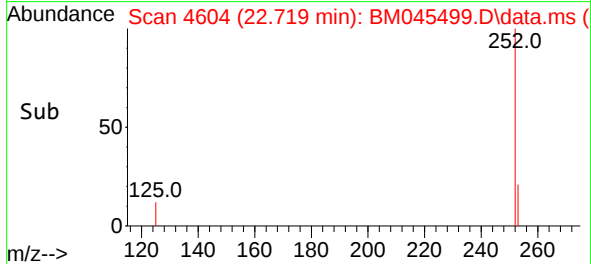
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



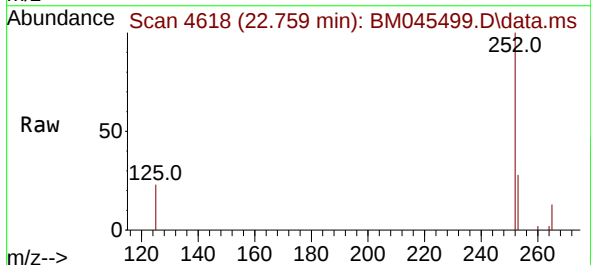
Tgt Ion:252 Resp: 2847  
Ion Ratio Lower Upper  
252 100  
253 24.9 0.0 63.4  
125 16.9 0.0 36.8

Manual Integrations  
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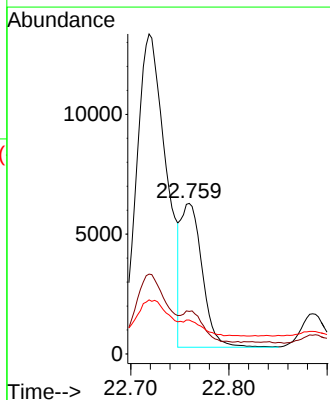
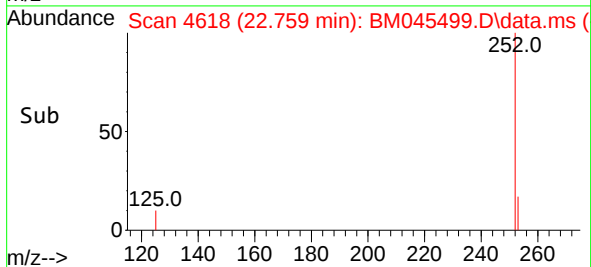
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024

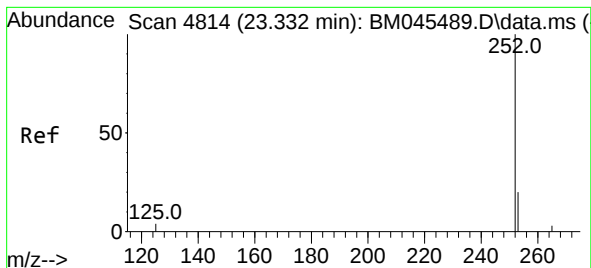


#25  
Benzo(k)fluoranthene  
Concen: 0.637 ng/ul m  
RT: 22.759 min Scan# 4618  
Delta R.T. -0.040 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17



Tgt Ion:252 Resp: 9123  
Ion Ratio Lower Upper  
252 100  
253 28.3 25.4 38.0  
125 22.5 14.8 22.2#





#26

Benzo(a)pyrene

Concen: 1.097 ng/ul

RT: 23.274 min Scan# 41

Delta R.T. -0.058 min

Lab File: BM045499.D

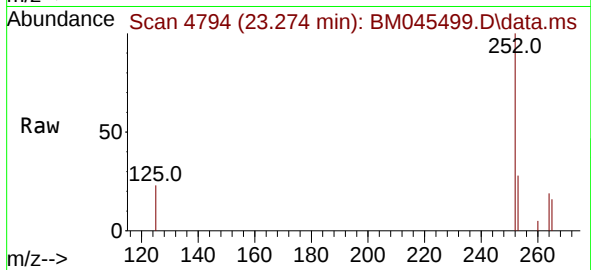
Acq: 23 Apr 2024 03:17

Instrument :

BNA\_M

ClientSampleId :

E1CX7



Tgt Ion:252 Resp: 12890

Ion Ratio Lower Upper

252 100

253 28.2 31.6 47.4#

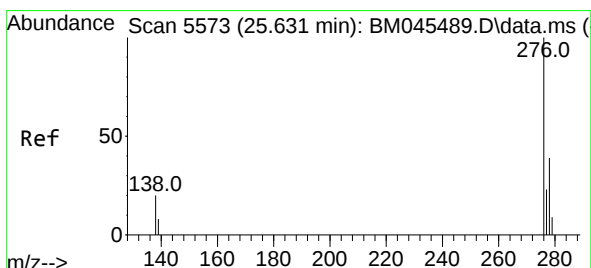
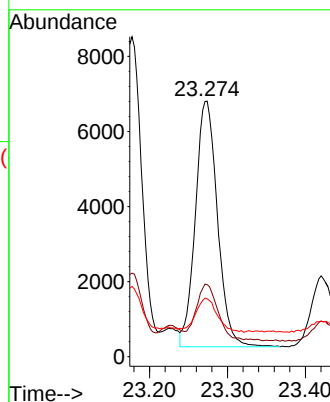
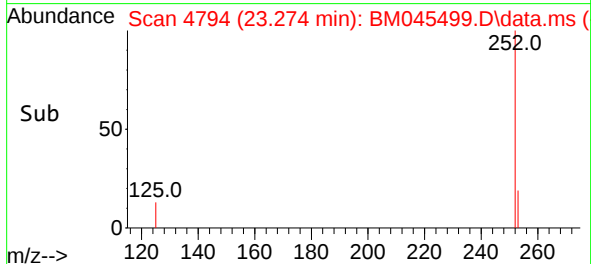
125 22.6 19.5 29.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/26/2024



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.882 ng/ul

RT: 25.555 min Scan# 5550

Delta R.T. -0.077 min

Lab File: BM045499.D

Acq: 23 Apr 2024 03:17

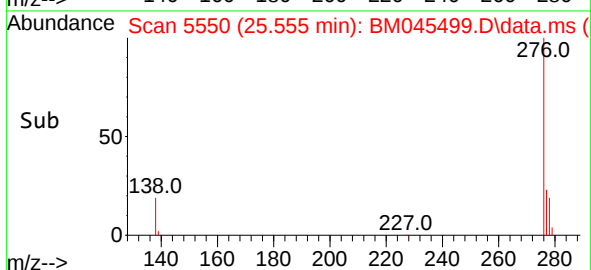
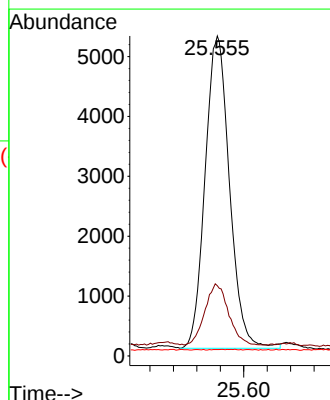
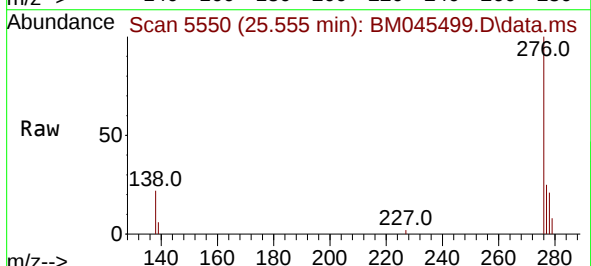
Tgt Ion:276 Resp: 15067

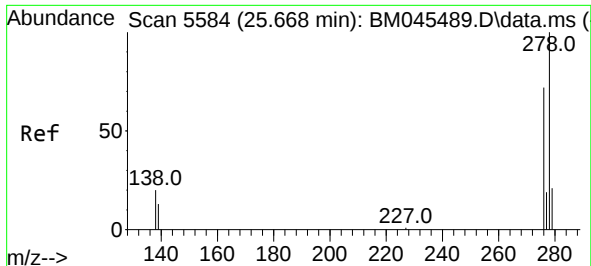
Ion Ratio Lower Upper

276 100

138 18.9 19.8 29.6#

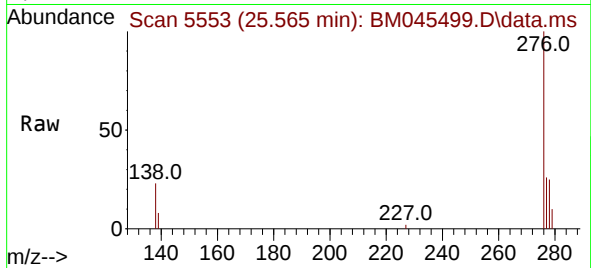
227 0.0 0.2 0.2#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.278 ng/ul m  
RT: 25.565 min Scan# 51  
Delta R.T. -0.103 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

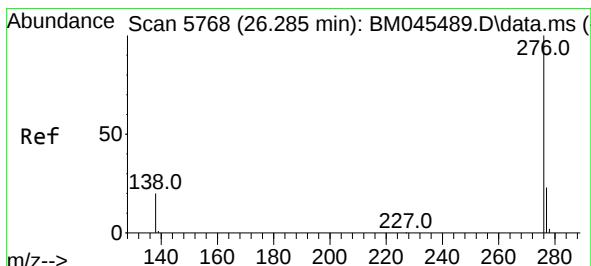
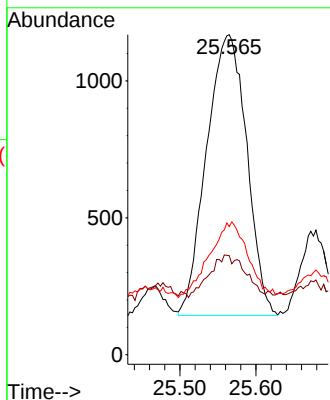
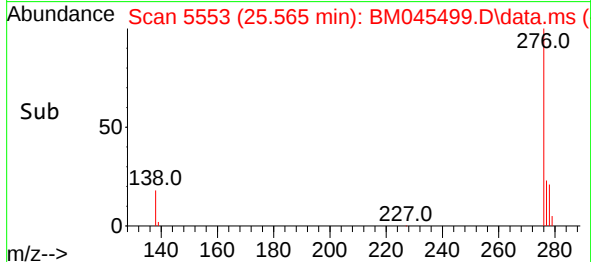
Instrument :  
BNA\_M  
ClientSampleId :  
E1CX7



Tgt Ion:278 Resp: 376  
Ion Ratio Lower Upper  
278 100  
139 31.0 19.0 28.6  
279 40.0 29.4 44.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/26/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.861 ng/ul  
RT: 26.219 min Scan# 5748  
Delta R.T. -0.067 min  
Lab File: BM045499.D  
Acq: 23 Apr 2024 03:17

Tgt Ion:276 Resp: 13210  
Ion Ratio Lower Upper  
276 100  
138 22.8 20.8 31.2  
277 25.8 21.8 32.8

