

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038296.D  
 Acq On : 25 Dec 2022 07:05  
 Operator : CG/JU  
 Sample : N6016-19  
 Misc :  
 ALS Vial : 105 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBYE1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/26/2022  
 Supervised By :Sohil Jodhani 12/26/2022

Quant Time: Dec 25 23:54:19 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 24 05:23:31 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.026  | 152  | 3020     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.840 | 136  | 9090     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.652 | 164  | 5491     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.392 | 188  | 10981    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.562 | 240  | 8254     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.009 | 264  | 7669     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.389  | 96   | 10375    | 3.377 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.418 | 152  | 3154     | 0.236 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.413 | 212  | 6537     | 0.211 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.434 | 178  | 2892     | 0.079 | ng/ul# | 92       |
| 16) Anthracene              | 17.527 | 178  | 910      | 0.026 | ng/ul# | 73       |
| 19) Fluoranthene            | 19.445 | 202  | 8180     | 0.181 | ng/ul# | 92       |
| 20) Pyrene                  | 19.808 | 202  | 7207m    | 0.158 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.548 | 228  | 3905     | 0.108 | ng/ul# | 89       |
| 22) Chrysene                | 21.600 | 228  | 4838     | 0.137 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 23.260 | 252  | 7902m    | 0.233 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.301 | 252  | 2663m    | 0.082 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.898 | 252  | 5270     | 0.178 | ng/ul# | 78       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.559 | 276  | 4459     | 0.109 | ng/ul# | 48       |
| 28) Dibenzo(a,h)anthracene  | 26.565 | 278  | 1149     | 0.036 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.350 | 276  | 4636     | 0.134 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

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

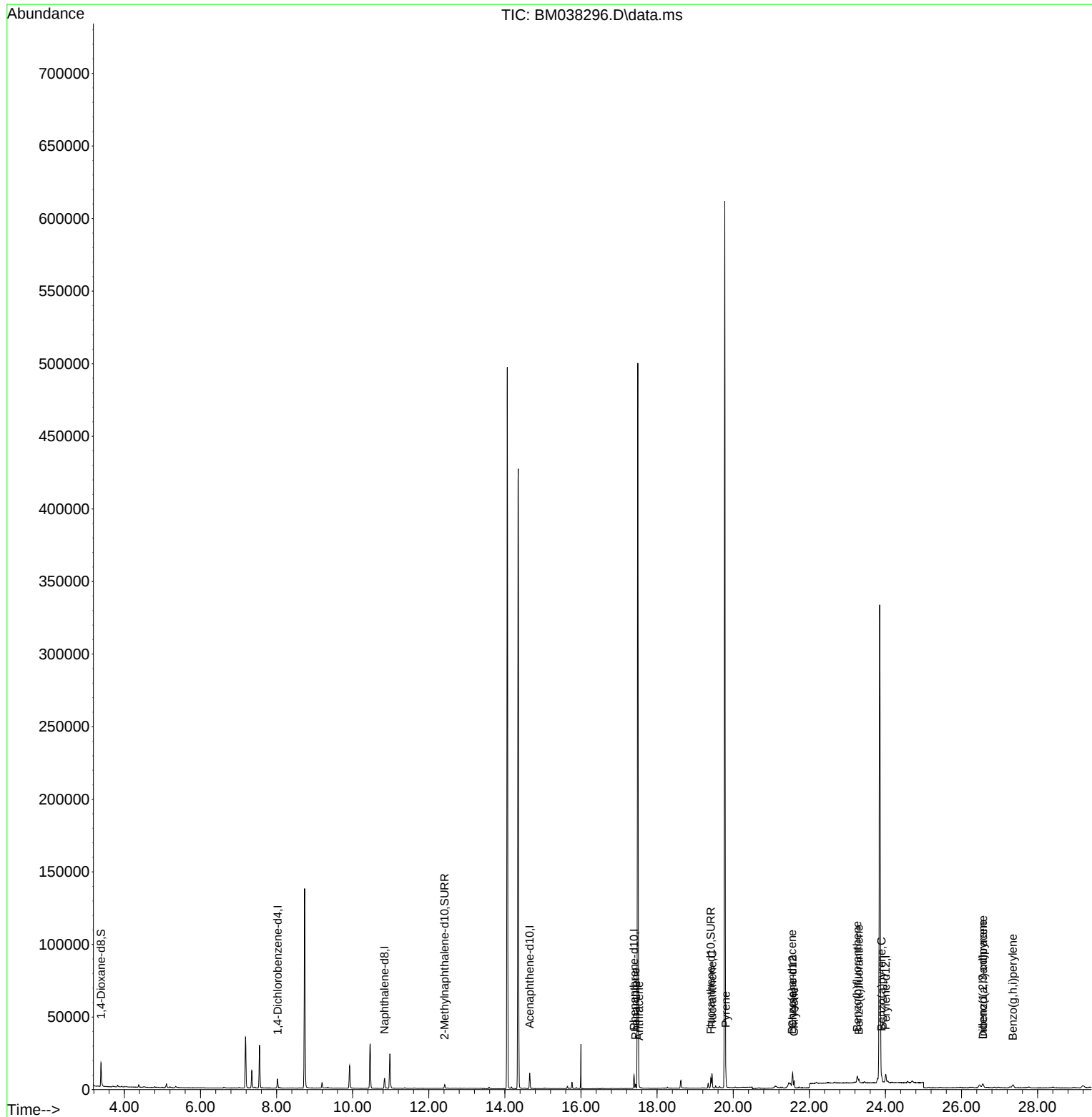
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
Data File : BM038296.D  
Acq On : 25 Dec 2022 07:05  
Operator : CG/JU  
Sample : N6016-19  
Misc :  
ALS Vial : 105 Sample Multiplier: 1

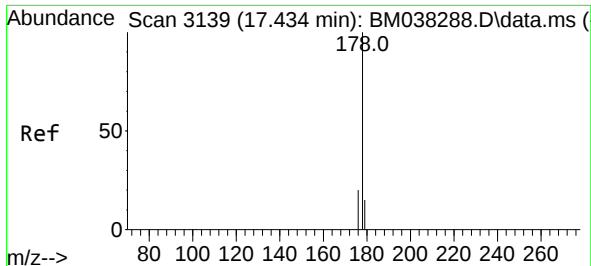
Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/26/2022  
Supervised By :Sohil Jodhani 12/26/2022

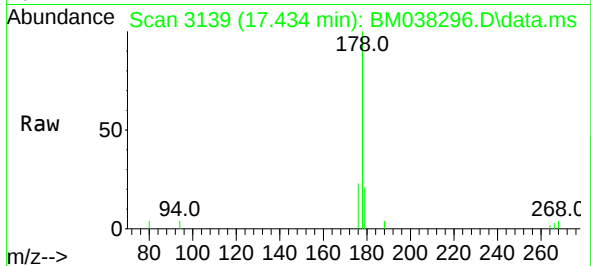
Quant Time: Dec 25 23:54:19 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 24 05:23:31 2022  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.079 ng/ul  
RT: 17.434 min Scan# 3139  
Delta R.T. -0.004 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

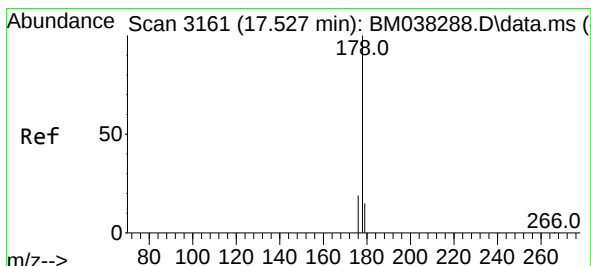
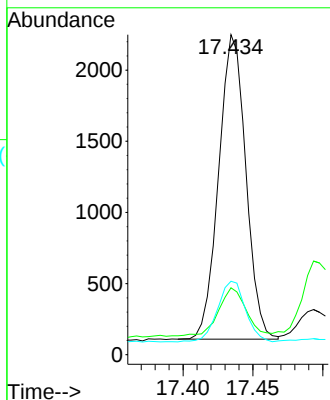
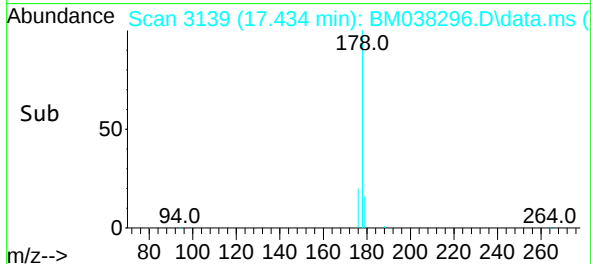
Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1



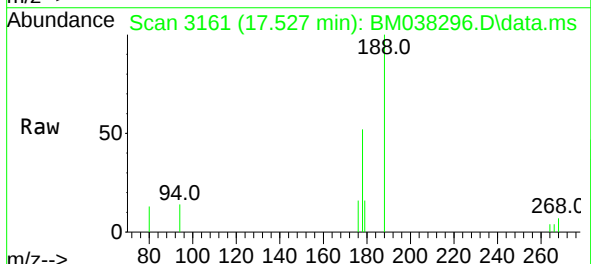
Tgt Ion:178 Resp: 2892  
Ion Ratio Lower Upper  
178 100  
179 20.9 13.0 19.4#  
176 23.0 16.2 24.4#

Manual Integrations  
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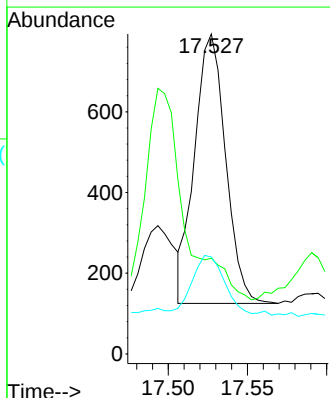
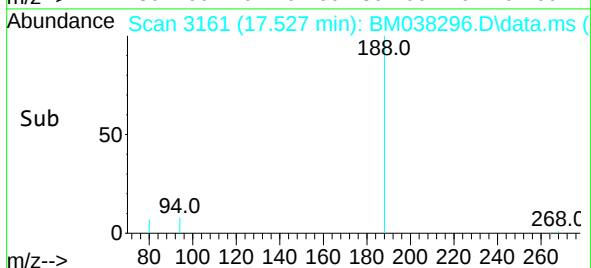
Reviewed By :Yogesh Patel 12/26/2022  
Supervised By :Sohil Jodhani 12/26/2022

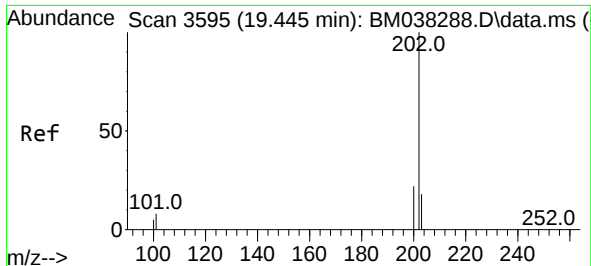


#16  
Anthracene  
Concen: 0.026 ng/ul  
RT: 17.527 min Scan# 3161  
Delta R.T. -0.004 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05



Tgt Ion:178 Resp: 910  
Ion Ratio Lower Upper  
178 100  
179 29.9 13.0 19.6#  
176 30.3 15.6 23.4#





#19

Fluoranthene

Concen: 0.181 ng/ul

RT: 19.445 min Scan# 3595

Delta R.T. -0.004 min

Lab File: BM038296.D

Acq: 25 Dec 2022 07:05

Instrument :

BNA\_M

ClientSampleId :

DBYE1

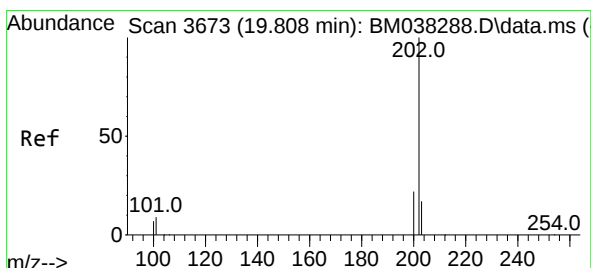
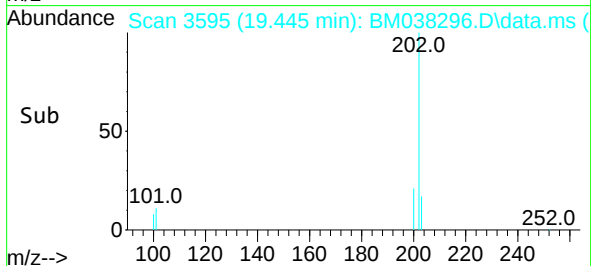
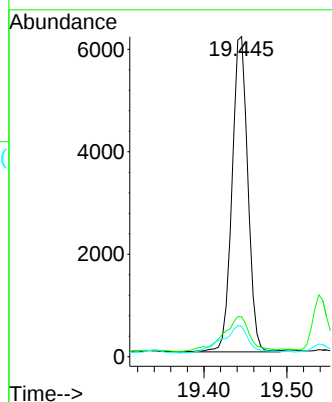
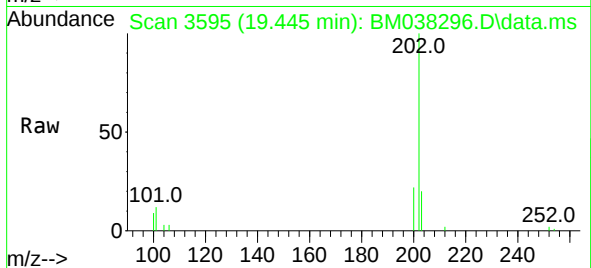
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8180 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.5  | 7.5   | 11.3 |
| 100       | 9.5   | 5.6   | 8.4  |

Manual Integrations

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#20

Pyrene

Concen: 0.158 ng/ul m

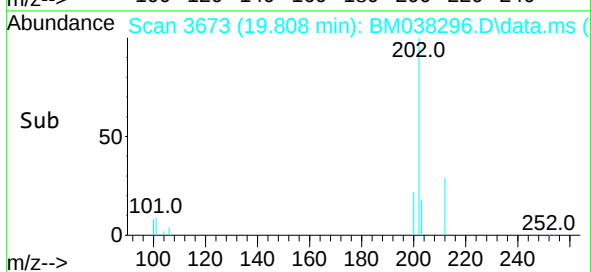
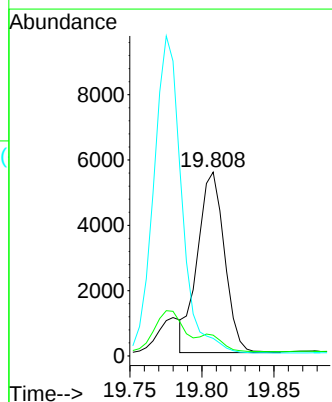
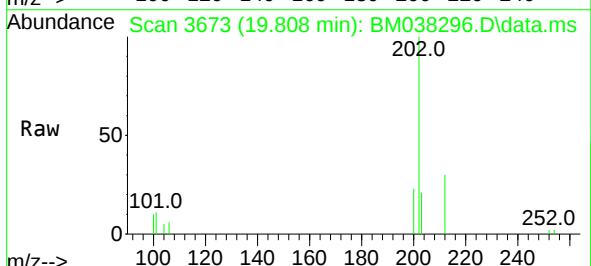
RT: 19.808 min Scan# 3673

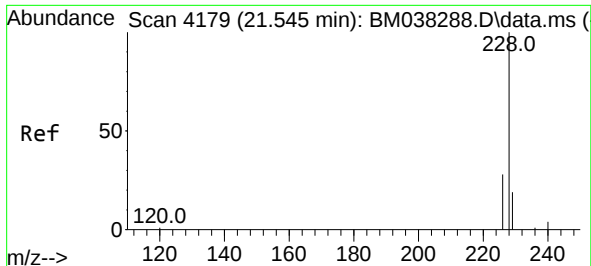
Delta R.T. -0.004 min

Lab File: BM038296.D

Acq: 25 Dec 2022 07:05

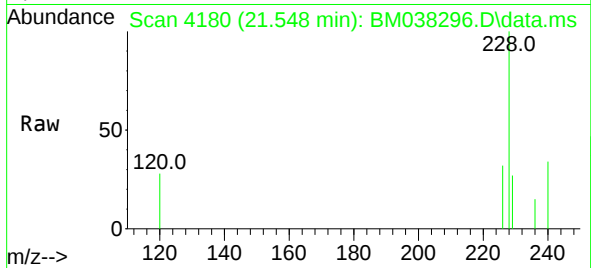
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 7207 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 11.3  | 8.9   | 13.3 |
| 100       | 9.6   | 7.4   | 11.0 |





#21  
Benzo(a)anthracene  
Concen: 0.108 ng/u1  
RT: 21.548 min Scan# 4179  
Delta R.T. -0.003 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

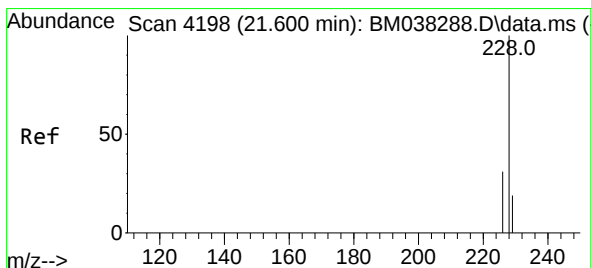
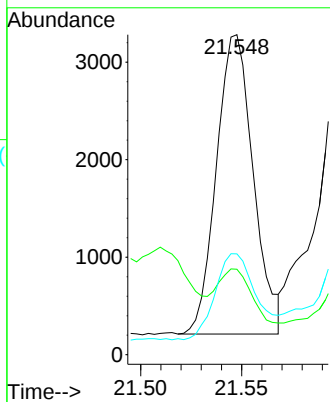
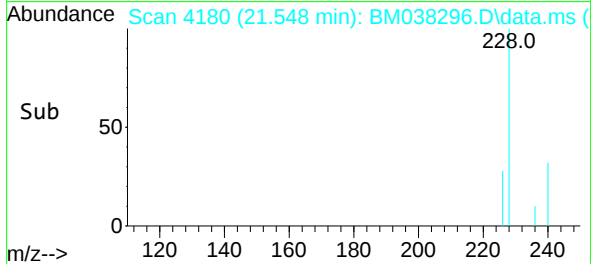
Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1



Tgt Ion:228 Resp: 3905  
Ion Ratio Lower Upper  
228 100  
229 26.7 15.5 23.3  
226 31.5 22.2 33.2

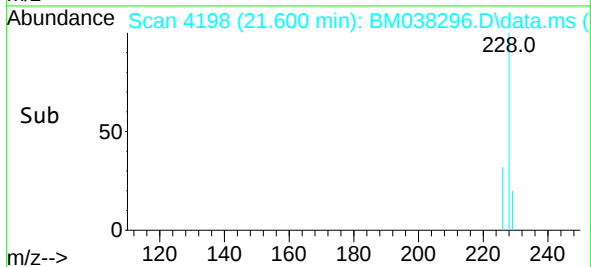
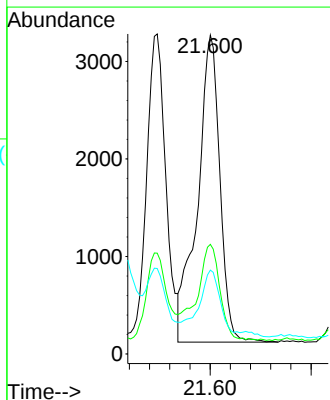
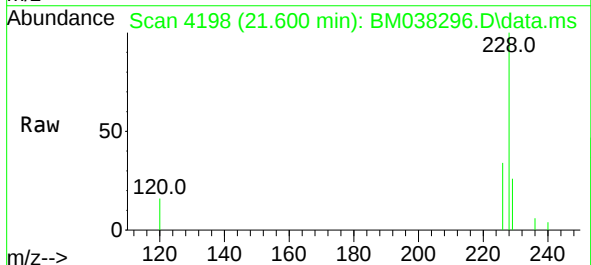
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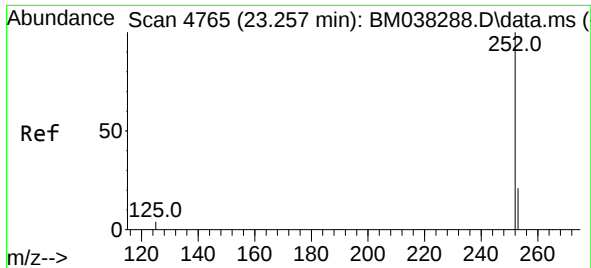
Reviewed By :Yogesh Patel 12/26/2022  
Supervised By :Sohil Jodhani 12/26/2022



#22  
Chrysene  
Concen: 0.137 ng/u1  
RT: 21.600 min Scan# 4198  
Delta R.T. -0.006 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

Tgt Ion:228 Resp: 4838  
Ion Ratio Lower Upper  
228 100  
226 34.4 25.0 37.4  
229 26.3 16.0 24.0#





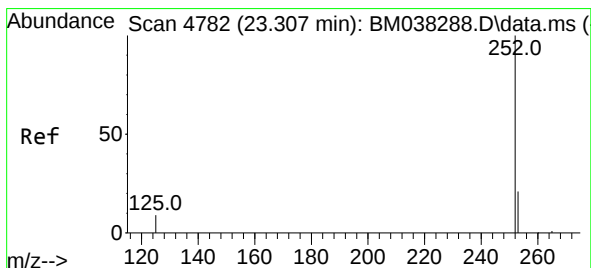
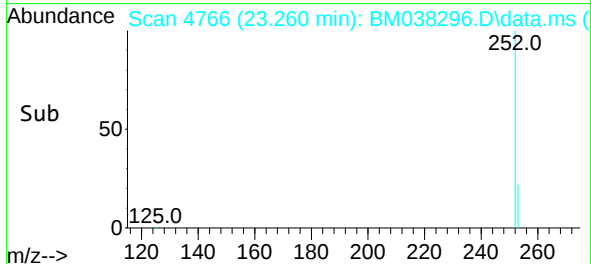
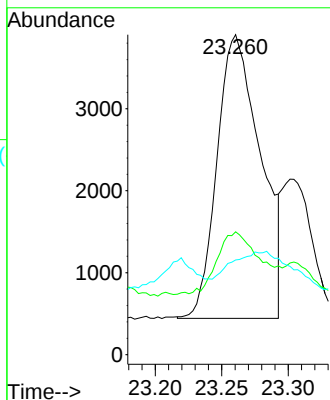
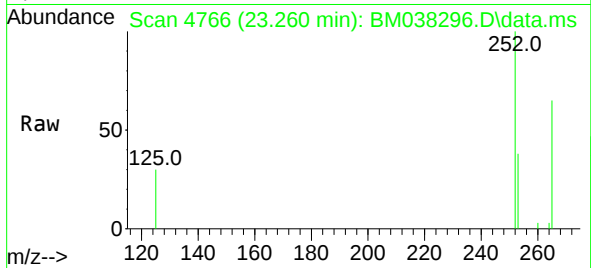
#24  
Benzo(b)fluoranthene  
Concen: 0.233 ng/ul m  
RT: 23.260 min Scan# 4766  
Delta R.T. -0.006 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1

Tgt Ion:252 Resp: 790  
Ion Ratio Lower Upper  
252 100  
253 38.4 0.0 56.0  
125 29.6 0.0 36.6

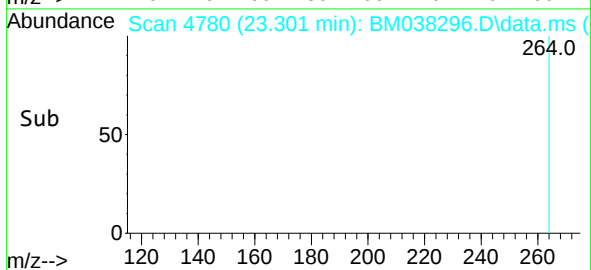
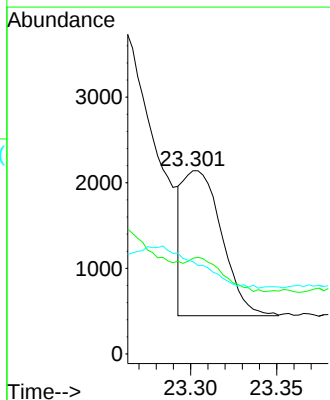
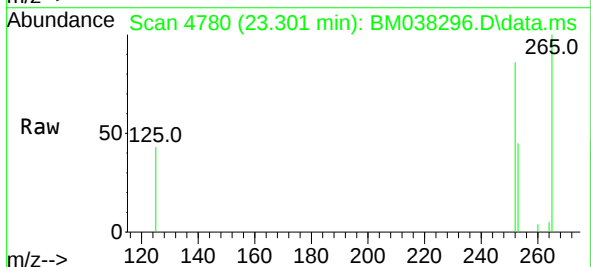
Manual Integrations  
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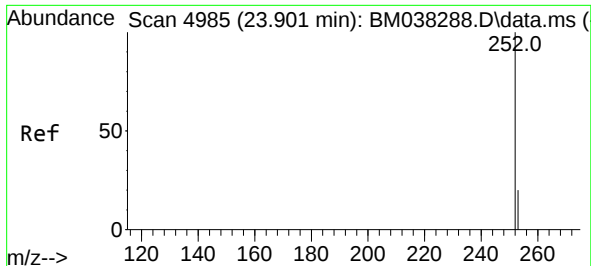
Reviewed By :Yogesh Patel 12/26/2022  
Supervised By :Sohil Jodhani 12/26/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.082 ng/ul m  
RT: 23.301 min Scan# 4780  
Delta R.T. -0.011 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

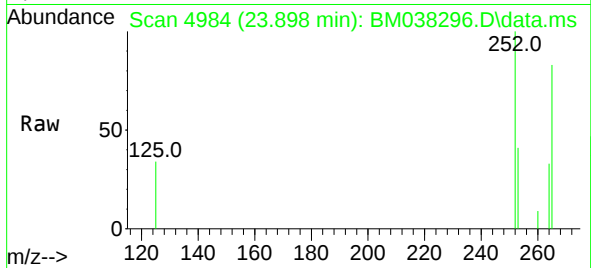
Tgt Ion:252 Resp: 2663  
Ion Ratio Lower Upper  
252 100  
253 52.2 22.5 33.7#  
125 50.4 14.4 21.6#





#26  
Benzo(a)pyrene  
Concen: 0.178 ng/ul  
RT: 23.898 min Scan# 4984  
Delta R.T. -0.009 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

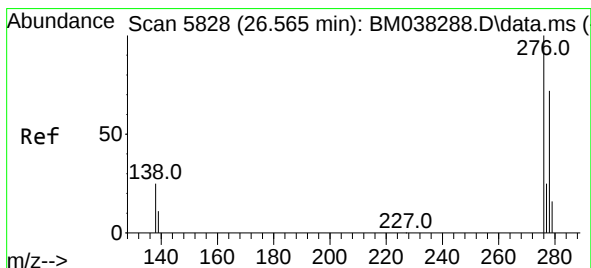
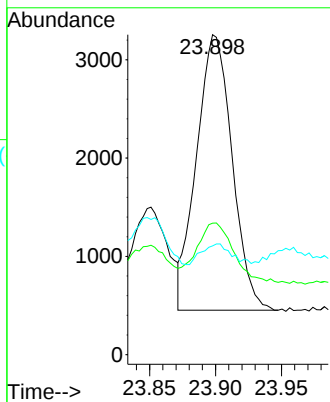
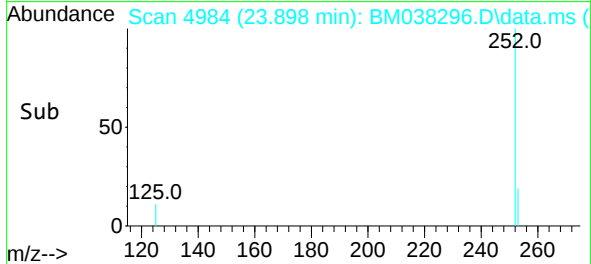
Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1



Tgt Ion:252 Resp: 5270  
Ion Ratio Lower Upper  
252 100  
253 41.1 24.2 36.4#  
125 34.0 17.3 25.9#

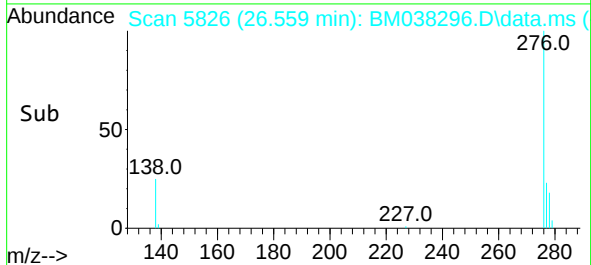
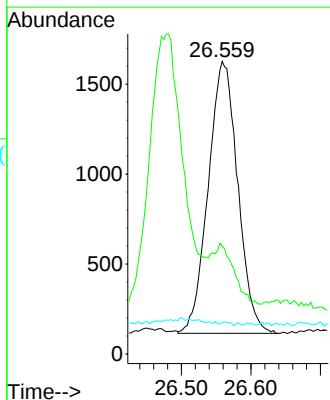
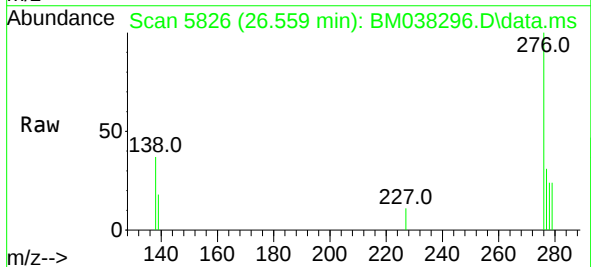
Manual Integrations  
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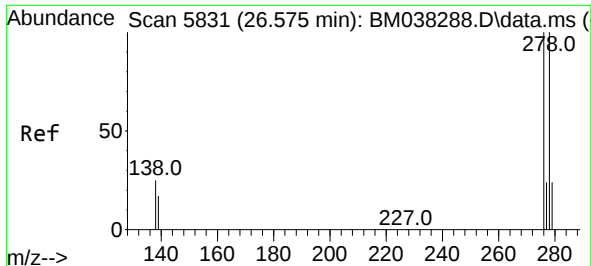
Reviewed By :Yogesh Patel 12/26/2022  
Supervised By :Sohil Jodhani 12/26/2022



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.109 ng/ul  
RT: 26.559 min Scan# 5826  
Delta R.T. -0.010 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

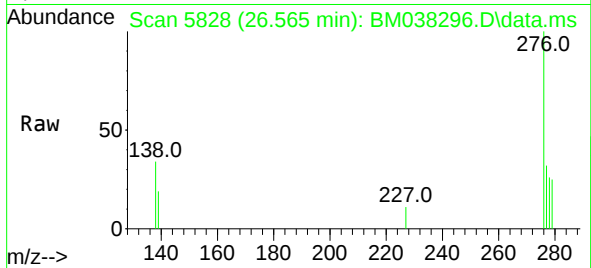
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Ion Ratio Lower Upper  
276 100  
138 0.0 21.7 32.5#  
227 0.4 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.036 ng/ul  
RT: 26.565 min Scan# 5831  
Delta R.T. -0.023 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05

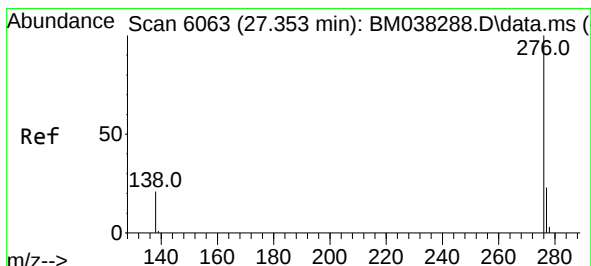
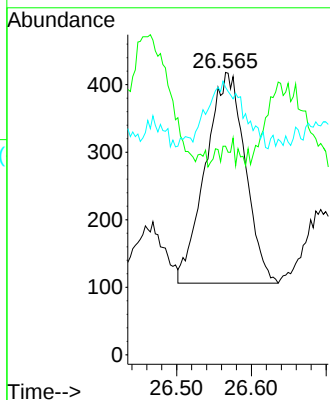
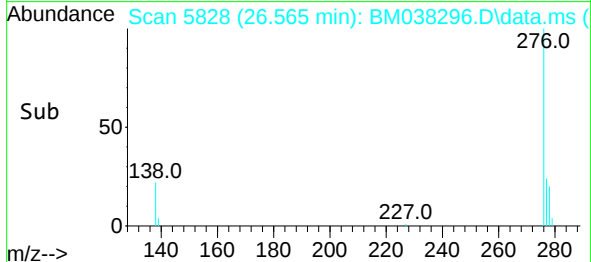
Instrument :  
BNA\_M  
ClientSampleId :  
DBYE1



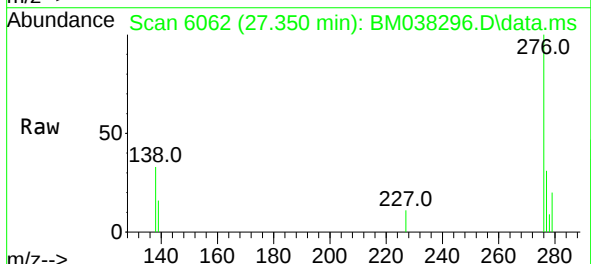
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Ion Ratio Lower Upper  
278 100  
139 73.9 16.8 25.2  
279 94.7 23.4 35.2

Manual Integrations  
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Reviewed By :Yogesh Patel 12/26/2022  
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#29  
Benzo(g,h,i)perylene  
Concen: 0.134 ng/ul  
RT: 27.350 min Scan# 6062  
Delta R.T. -0.010 min  
Lab File: BM038296.D  
Acq: 25 Dec 2022 07:05



Tgt Ion:276 Resp: 4636  
Ion Ratio Lower Upper  
276 100  
138 33.0 20.8 31.2#  
277 30.9 20.5 30.7#

