

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120423\  
 Data File : BM043176.D  
 Acq On : 04 Dec 2023 14:50  
 Operator : MA/JU  
 Sample : 05452-02DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COAJODL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/05/2023  
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 04 15:19:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 02 23:54:55 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.809  | 152  | 868      | 0.400  | ng/ul  | #-0.02   |
| 4) Naphthalene-d8           | 10.605 | 136  | 2248     | 0.400  | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.436 | 164  | 1430     | 0.400  | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 17.199 | 188  | 3028     | 0.400  | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.394 | 240  | 2121     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.744 | 264  | 2107m    | 0.400  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.160  | 96   | 412      | 0.309  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.205 | 152  | 207      | 0.069  | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.228 | 212  | 478      | 0.062  | ng/ul  | -0.01    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 8) 1-Methylnaphthalene      | 12.486 | 142  | 178      | 0.044  | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.168 | 152  | 3549     | 0.486  | ng/ul  | 98       |
| 11) Acenaphthene            | 14.501 | 153  | 240514   | 43.497 | ng/ul  | 96       |
| 12) Fluorene                | 15.491 | 166  | 44078    | 7.763  | ng/ul# | 97       |
| 15) Phenanthrene            | 17.237 | 178  | 2046m    | 0.237  | ng/ul  |          |
| 16) Anthracene              | 17.334 | 178  | 5708     | 0.697  | ng/ul  | 94       |
| 19) Fluoranthene            | 19.256 | 202  | 37160    | 3.090  | ng/ul# | 91       |
| 20) Pyrene                  | 19.624 | 202  | 19621    | 1.534  | ng/ul# | 93       |
| 21) Benzo(a)anthracene      | 21.380 | 228  | 655      | 0.095  | ng/ul# | 81       |
| -----                       |        |      |          |        |        |          |

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

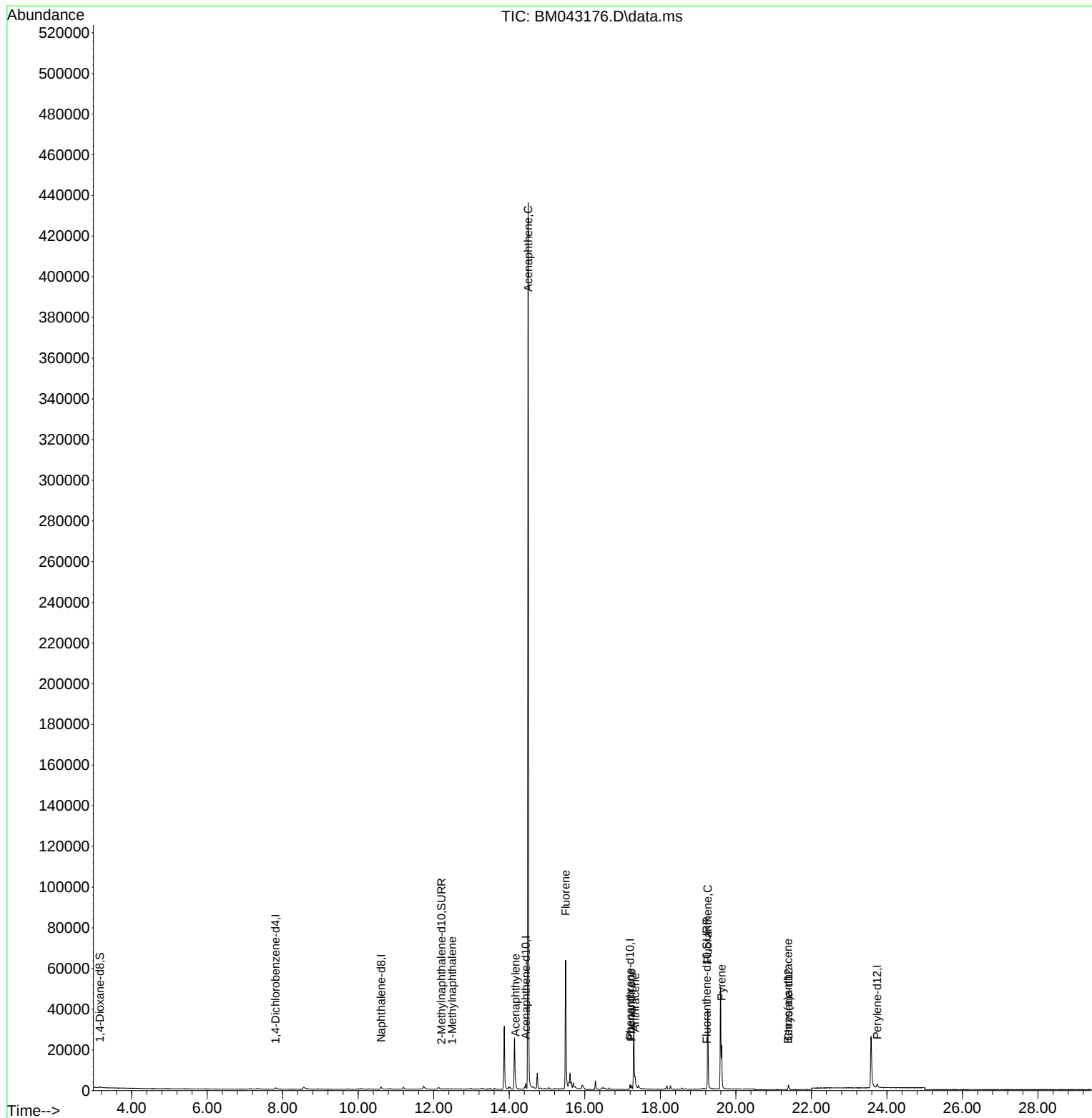
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120423\  
Data File : BM043176.D  
Acq On : 04 Dec 2023 14:50  
Operator : MA/JU  
Sample : 05452-02DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

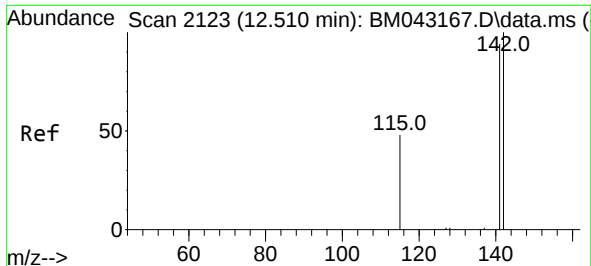
Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ0DL

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Supervised By :mohammad ahmed 12/05/2023

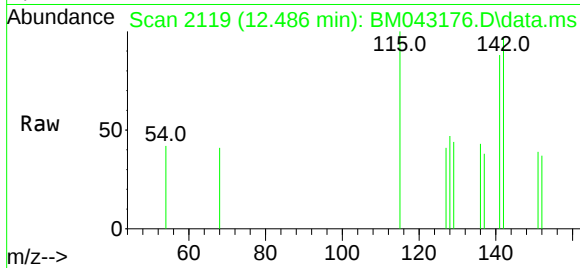
Quant Time: Dec 04 15:19:51 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 02 23:54:55 2023  
Response via : Initial Calibration





#8  
1-Methylnaphthalene  
Concen: 0.044 ng/ul  
RT: 12.486 min Scan# 2119  
Delta R.T. -0.012 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

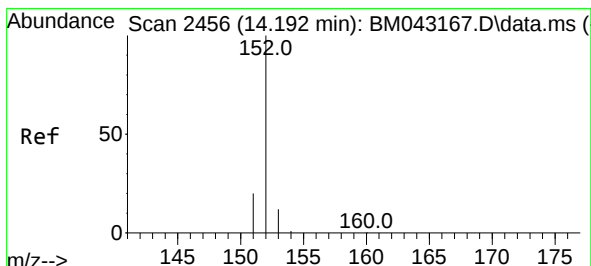
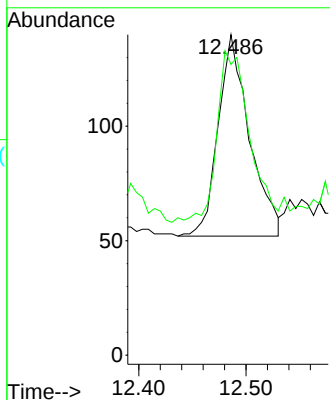
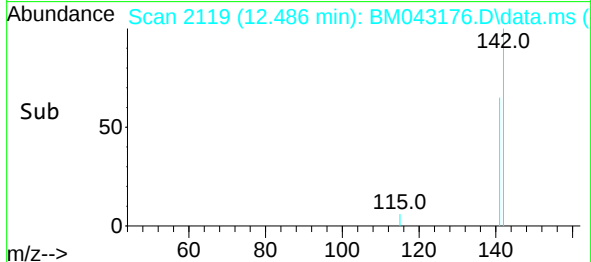
Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ0DL



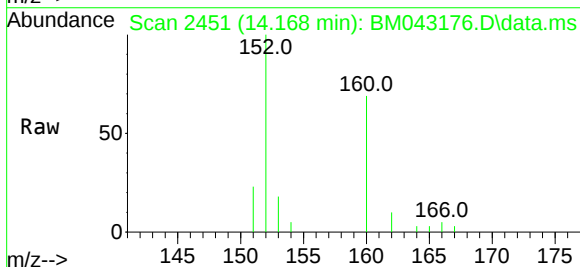
Tgt Ion:142 Resp: 178  
Ion Ratio Lower Upper  
142 100  
141 88.8 73.8 110.8

Manual Integrations  
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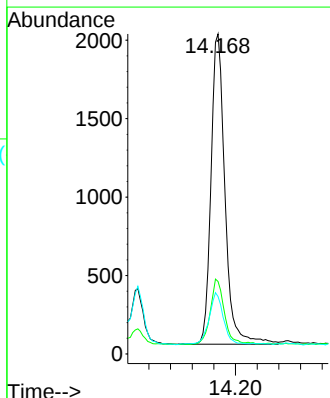
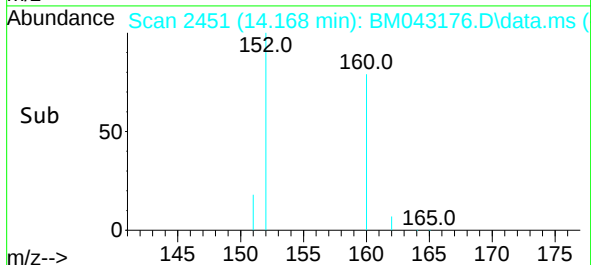
Reviewed By :Yogesh Patel 12/05/2023  
Supervised By :mohammad ahmed 12/05/2023

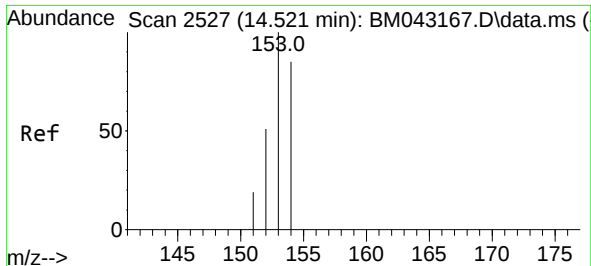


#10  
Acenaphthylene  
Concen: 0.486 ng/ul  
RT: 14.168 min Scan# 2451  
Delta R.T. -0.015 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50



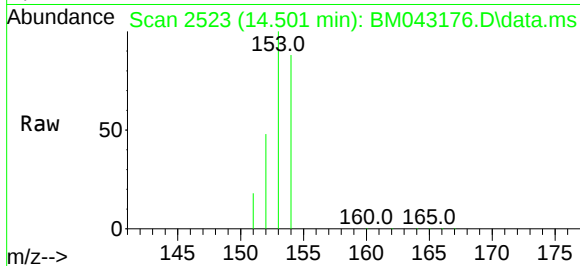
Tgt Ion:152 Resp: 3549  
Ion Ratio Lower Upper  
152 100  
151 22.6 19.4 29.0  
153 17.9 14.6 21.8





#11  
Acenaphthene  
Concen: 43.497 ng/u1  
RT: 14.501 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

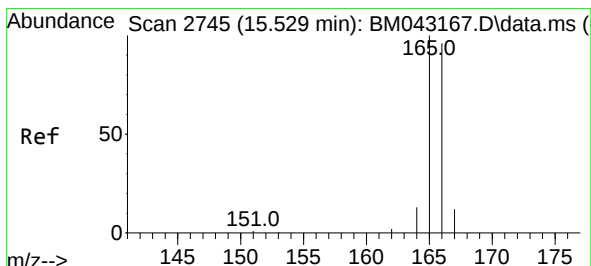
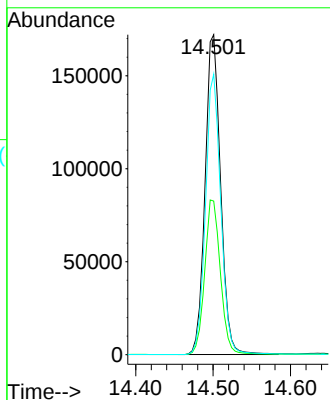
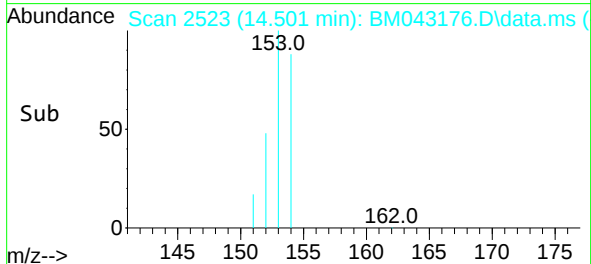
Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ0DL



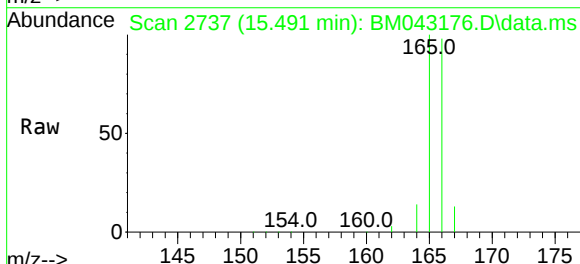
Tgt Ion:153 Resp: 240514  
Ion Ratio Lower Upper  
153 100  
152 48.0 43.9 65.9  
154 87.7 70.6 105.8

Manual Integrations  
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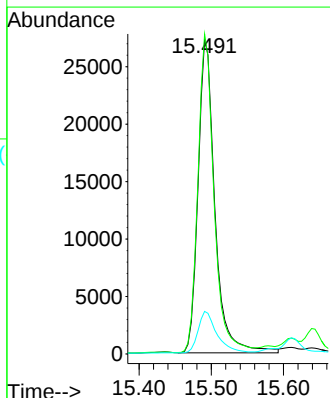
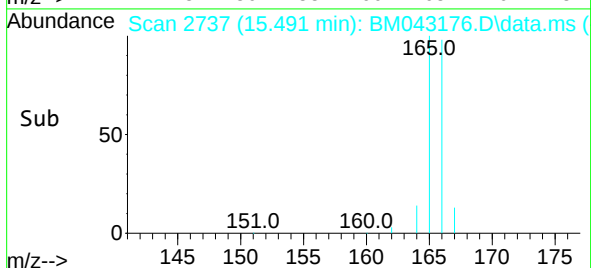
Reviewed By :Yogesh Patel 12/05/2023  
Supervised By :mohammad ahmed 12/05/2023

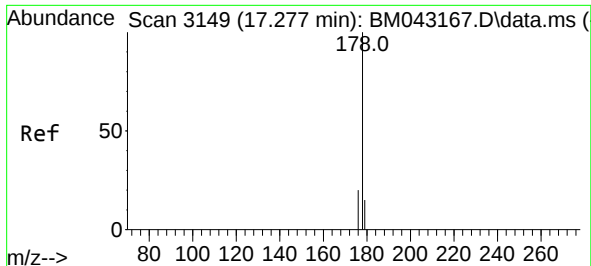


#12  
Fluorene  
Concen: 7.763 ng/u1  
RT: 15.491 min Scan# 2737  
Delta R.T. -0.024 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50



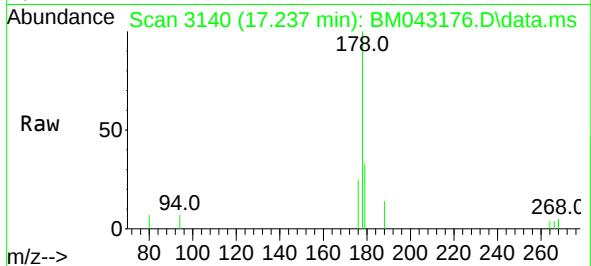
Tgt Ion:166 Resp: 44078  
Ion Ratio Lower Upper  
166 100  
165 101.8 79.9 119.9  
167 13.5 14.2 21.4#





#15  
Phenanthrene  
Concen: 0.237 ng/ul m  
RT: 17.237 min Scan# 3140  
Delta R.T. -0.022 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

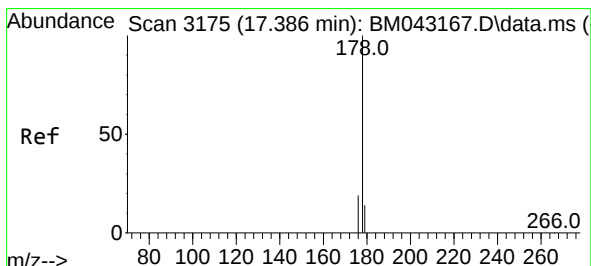
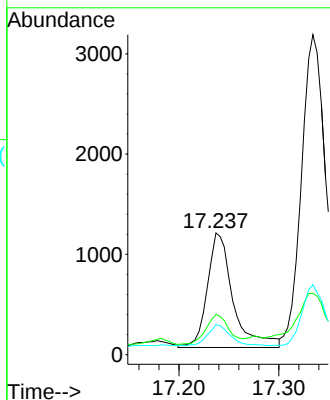
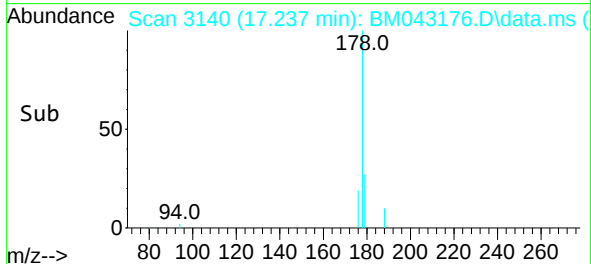
Instrument :  
BNA\_M  
ClientSampleId :  
C0AJODL



Tgt Ion:178 Resp: 2040  
Ion Ratio Lower Upper  
178 100  
179 32.9 15.7 23.5  
176 24.5 18.9 28.3

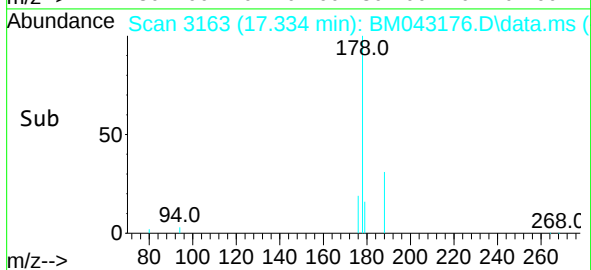
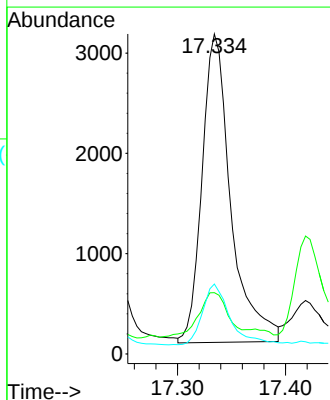
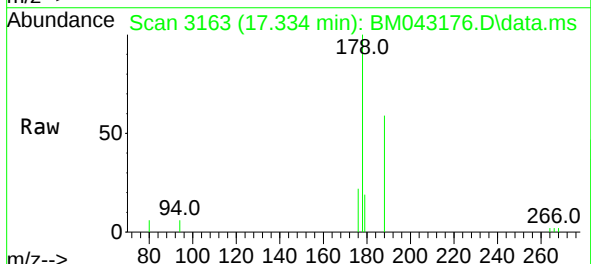
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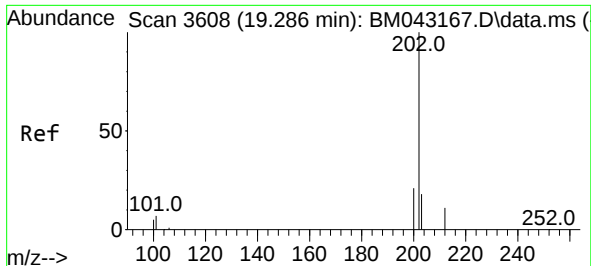
Reviewed By :Yogesh Patel 12/05/2023  
Supervised By :mohammad ahmed 12/05/2023



#16  
Anthracene  
Concen: 0.697 ng/ul  
RT: 17.334 min Scan# 3163  
Delta R.T. -0.027 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

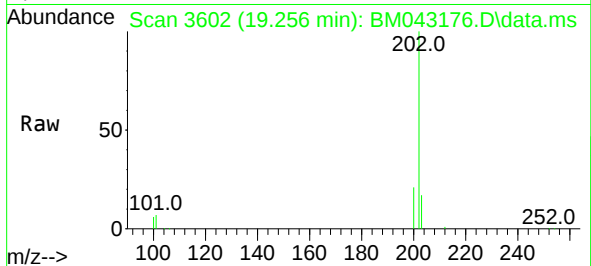
Tgt Ion:178 Resp: 5708  
Ion Ratio Lower Upper  
178 100  
179 19.1 17.3 25.9  
176 21.8 20.5 30.7





#19  
Fluoranthene  
Concen: 3.090 ng/u1  
RT: 19.256 min Scan# 3602  
Delta R.T. -0.015 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

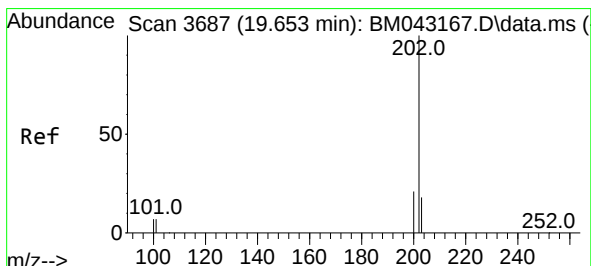
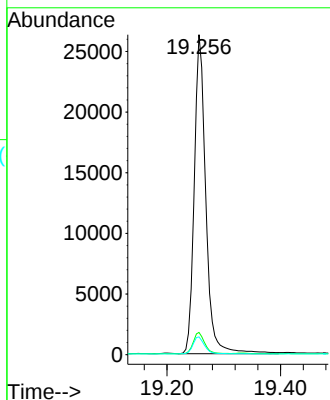
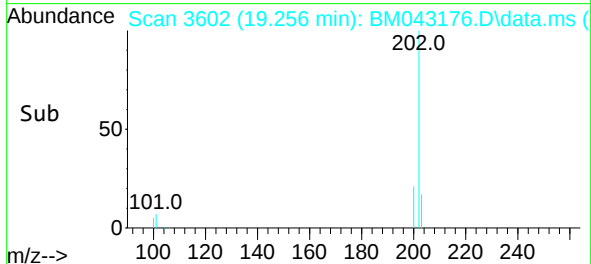
Instrument :  
BNA\_M  
ClientSampleId :  
COAJODL



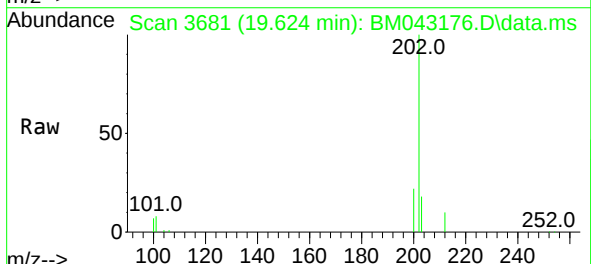
Tgt Ion:202 Resp: 37160  
Ion Ratio Lower Upper  
202 100  
101 6.9 7.8 11.8#  
100 5.5 7.1 10.7#

Manual Integrations  
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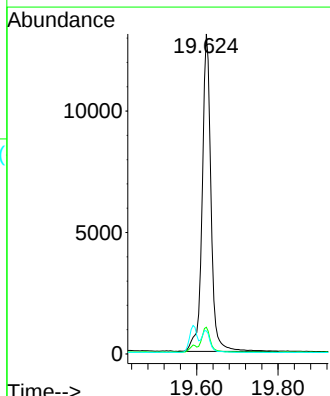
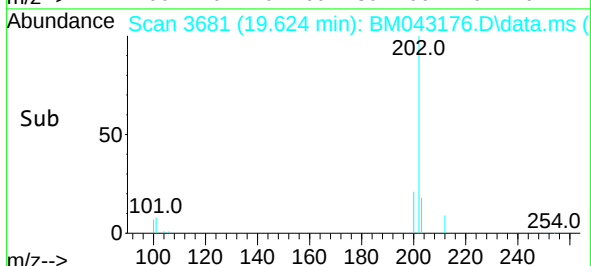
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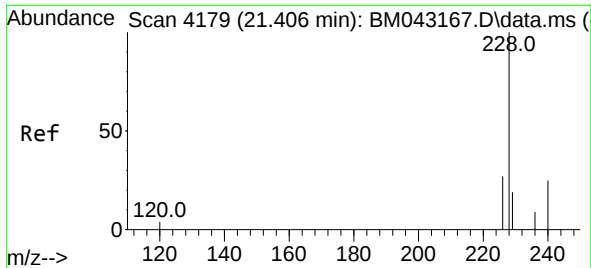


#20  
Pyrene  
Concen: 1.534 ng/u1  
RT: 19.624 min Scan# 3681  
Delta R.T. -0.015 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50



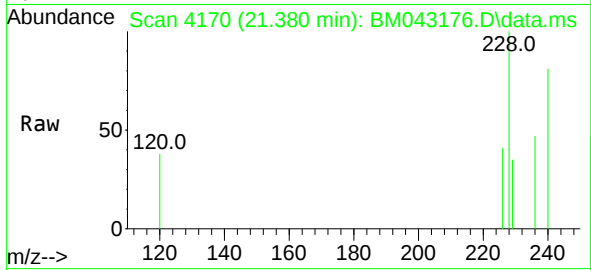
Tgt Ion:202 Resp: 19621  
Ion Ratio Lower Upper  
202 100  
101 8.4 8.7 13.1#  
100 7.2 7.8 11.8#





#21  
Benzo(a)anthracene  
Concen: 0.095 ng/ul  
RT: 21.380 min Scan# 4170  
Delta R.T. -0.008 min  
Lab File: BM043176.D  
Acq: 04 Dec 2023 14:50

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJODL



Tgt Ion:228 Resp: 65  
Ion Ratio Lower Upper  
228 100  
229 34.8 19.4 29.0  
226 41.0 24.9 37.3

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