

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121123\  
 Data File : BM043280.D  
 Acq On : 13 Dec 2023 01:35  
 Operator : MA/JU  
 Sample : PB157725BL  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK725

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 13 02:05:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 16:25:39 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.005  | 152  | 9417     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.807 | 136  | 31010    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.629 | 164  | 16972    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.367 | 188  | 33277m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.533 | 240  | 17397m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.950 | 264  | 20701m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.398  | 96   | 80199    | 6.740 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.390 | 152  | 14866    | 0.338 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.385 | 212  | 23631    | 0.380 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.862 | 128  | 6880     | 0.074 | ng/ul# | 95       |
| 7) 2-Methylnaphthalene      | 12.467 | 142  | 3943     | 0.066 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.682 | 142  | 1944     | 0.032 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.689 | 153  | 8120     | 0.119 | ng/ul  | 99       |
| 12) Fluorene                | 15.675 | 166  | 8383     | 0.109 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.409 | 178  | 31650    | 0.285 | ng/ul  | 100      |
| 16) Anthracene              | 17.502 | 178  | 4174     | 0.041 | ng/ul# | 92       |
| 19) Fluoranthene            | 19.413 | 202  | 13489    | 0.137 | ng/ul# | 91       |
| 20) Pyrene                  | 19.775 | 202  | 9030     | 0.093 | ng/ul# | 86       |
| 21) Benzo(a)anthracene      | 21.518 | 228  | 1633     | 0.021 | ng/ul# | 90       |
| -----                       |        |      |          |       |        |          |

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

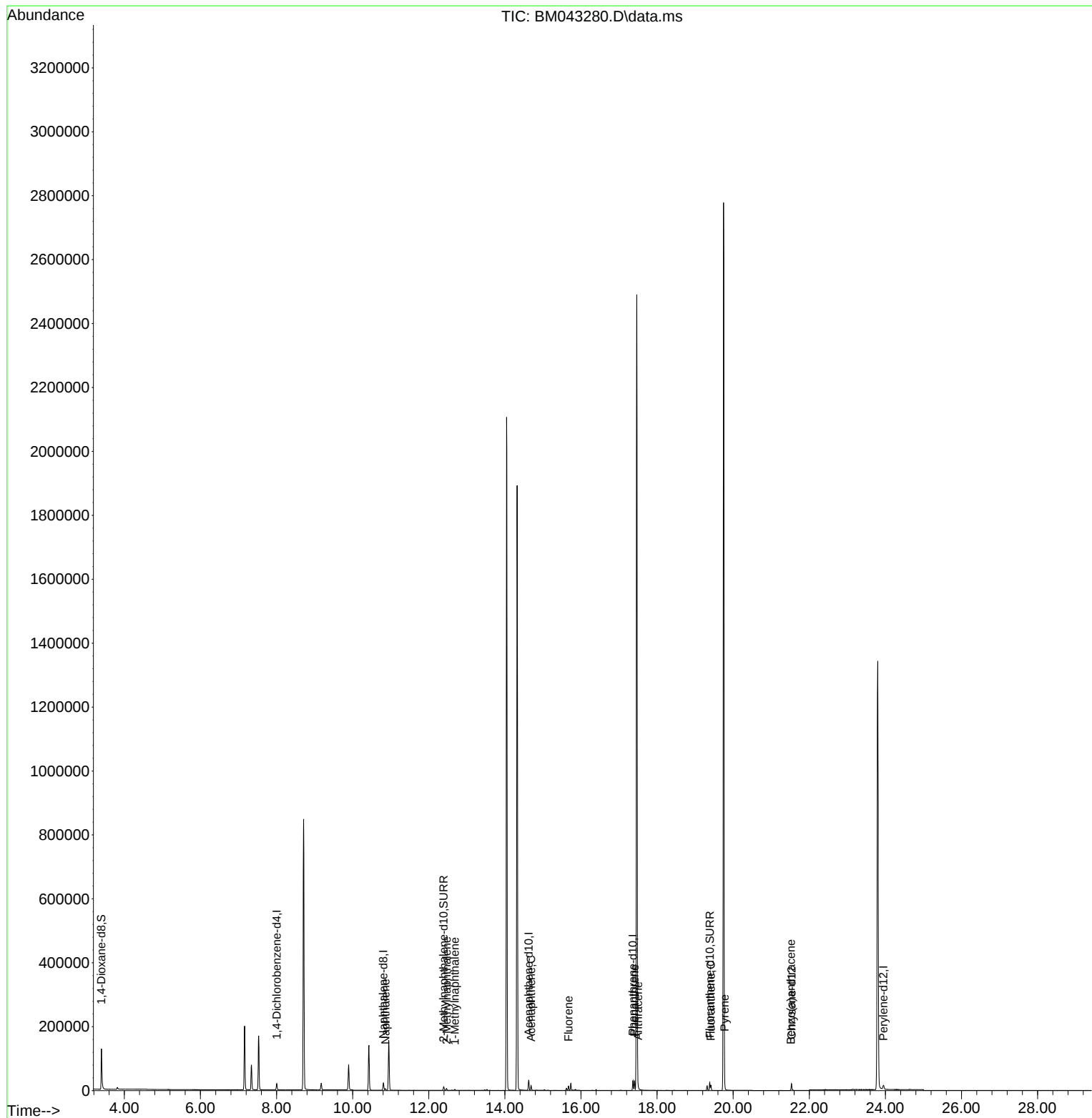
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121123\  
Data File : BM043280.D  
Acq On : 13 Dec 2023 01:35  
Operator : MA/JU  
Sample : PB157725BL  
Misc :  
ALS Vial : 55 Sample Multiplier: 1

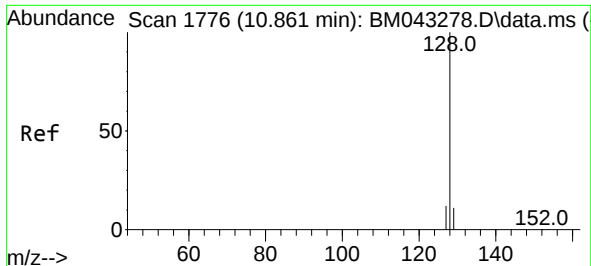
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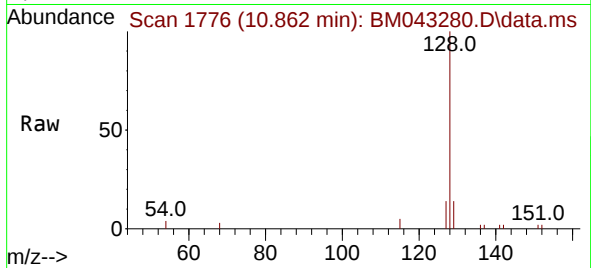
Quant Time: Dec 13 02:05:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 16:25:39 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.074 ng/ul  
RT: 10.862 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35

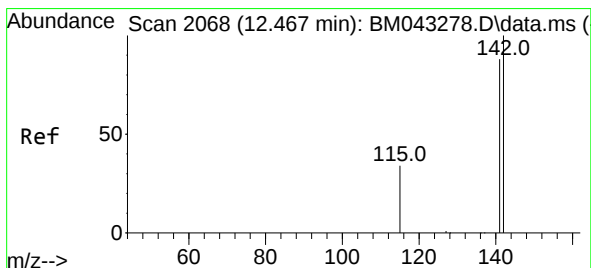
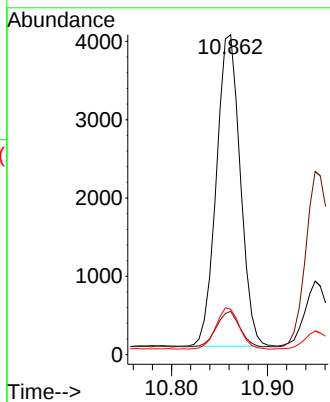
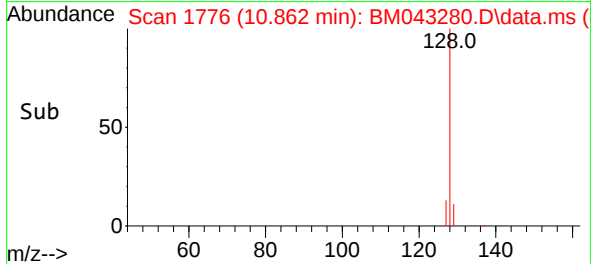
Instrument :  
BNA\_M  
ClientSampleId :  
SBLK725



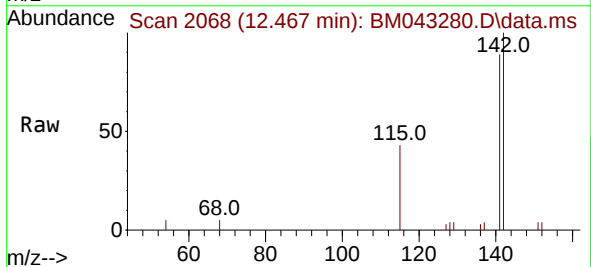
Tgt Ion:128 Resp: 6880  
Ion Ratio Lower Upper  
128 100  
129 13.5 9.0 13.4  
127 14.2 10.3 15.5

Manual Integrations  
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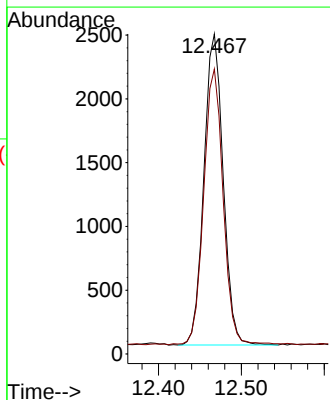
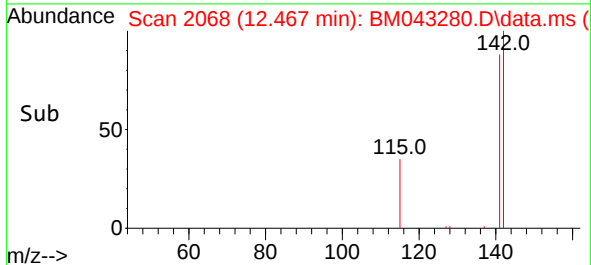
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

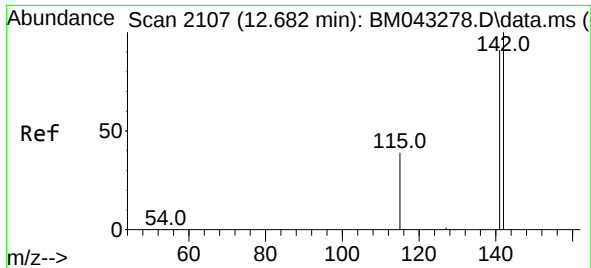


#7  
2-Methylnaphthalene  
Concen: 0.066 ng/ul  
RT: 12.467 min Scan# 2068  
Delta R.T. -0.005 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35



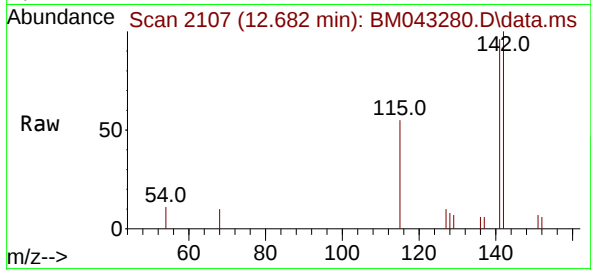
Tgt Ion:142 Resp: 3943  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.9 106.3





#8  
1-Methylnaphthalene  
Concen: 0.032 ng/ul  
RT: 12.682 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35

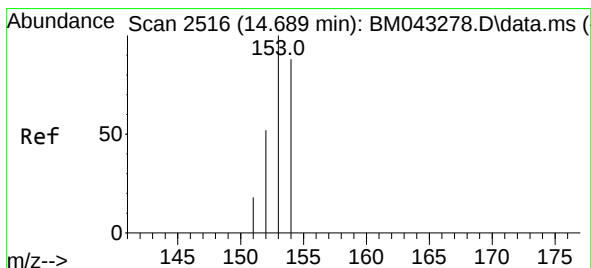
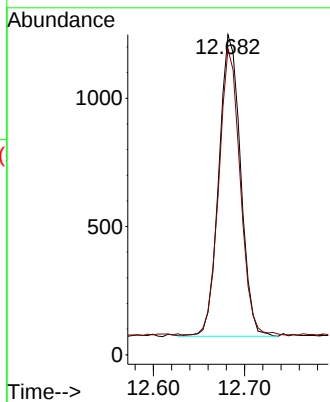
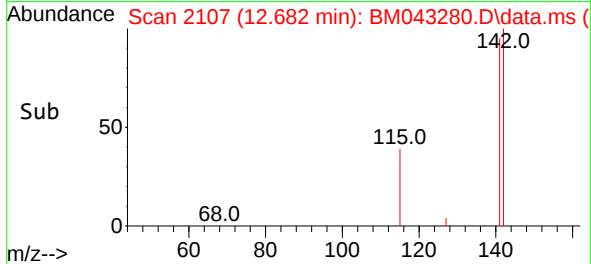
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Tgt Ion:142 Resp: 1944  
Ion Ratio Lower Upper  
142 100  
141 93.8 73.7 110.5

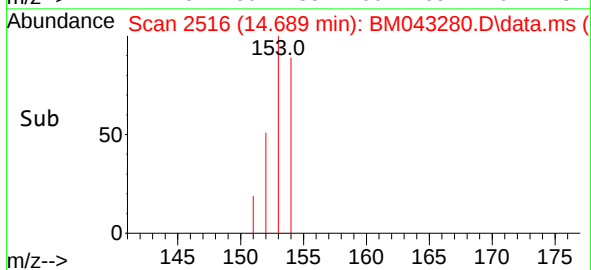
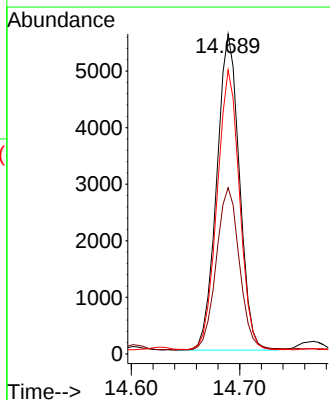
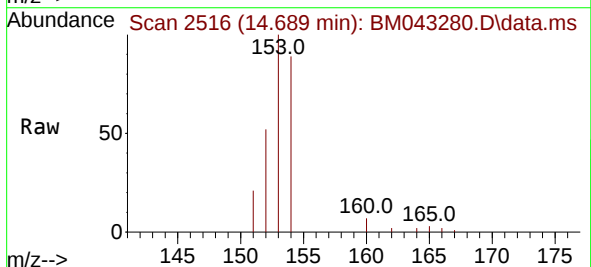
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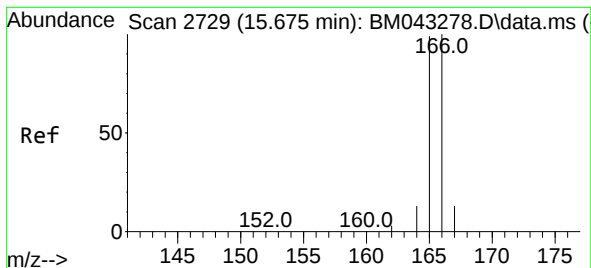
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#11  
Acenaphthene  
Concen: 0.119 ng/ul  
RT: 14.689 min Scan# 2516  
Delta R.T. -0.005 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35

Tgt Ion:153 Resp: 8120  
Ion Ratio Lower Upper  
153 100  
152 51.9 42.1 63.1  
154 88.8 71.3 106.9





#12

Fluorene

Concen: 0.109 ng/u1

RT: 15.675 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043280.D

Acq: 13 Dec 2023 01:35

Instrument :

BNA\_M

ClientSampleId :

SBLK725

Tgt Ion:166 Resp: 838

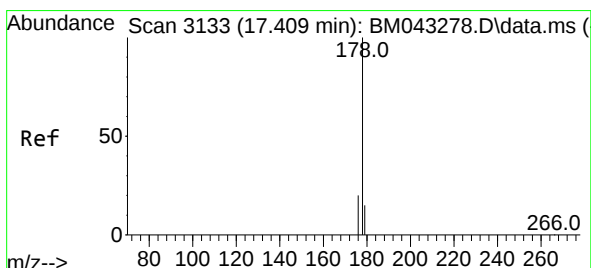
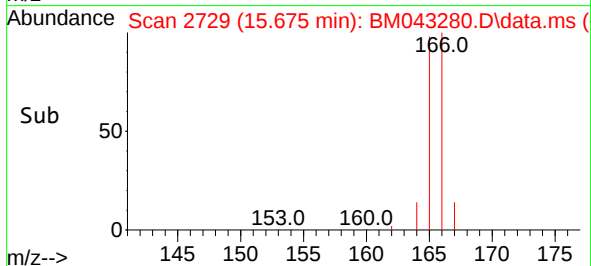
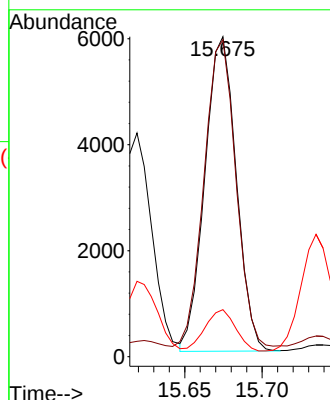
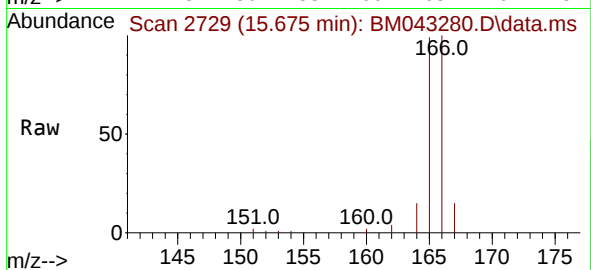
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 99.1  | 80.3  | 120.5 |
| 167 | 14.7  | 10.8  | 16.2  |

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#15

Phenanthrene

Concen: 0.285 ng/u1

RT: 17.409 min Scan# 3133

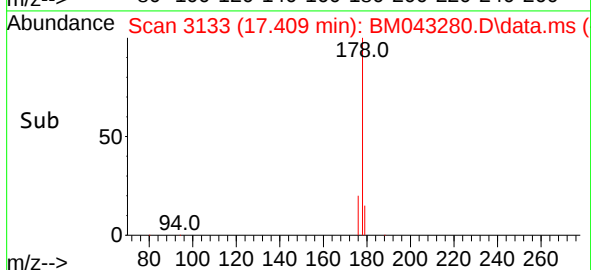
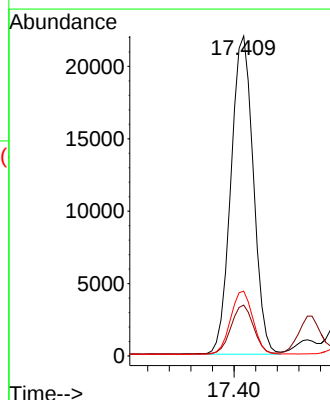
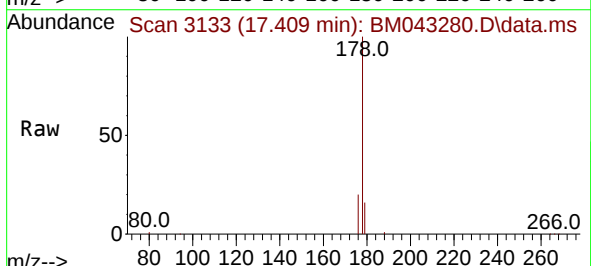
Delta R.T. -0.000 min

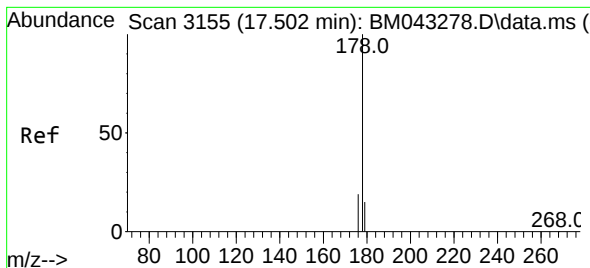
Lab File: BM043280.D

Acq: 13 Dec 2023 01:35

Tgt Ion:178 Resp: 31650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.9  | 12.4  | 18.6  |
| 176 | 20.2  | 16.2  | 24.2  |





#16

Anthracene

Concen: 0.041 ng/ul

RT: 17.502 min Scan# 3155

Delta R.T. 0.000 min

Lab File: BM043280.D

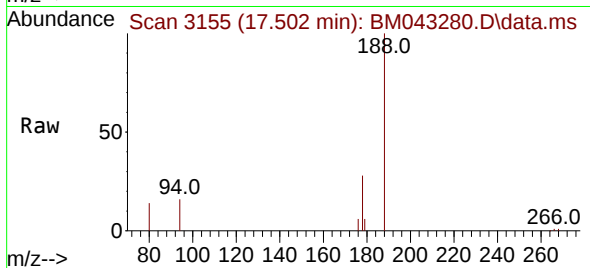
Acq: 13 Dec 2023 01:35

Instrument :

BNA\_M

ClientSampleId :

SBLK725



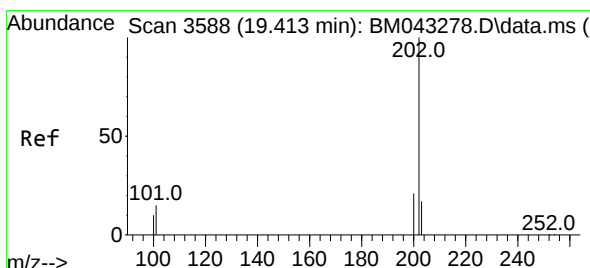
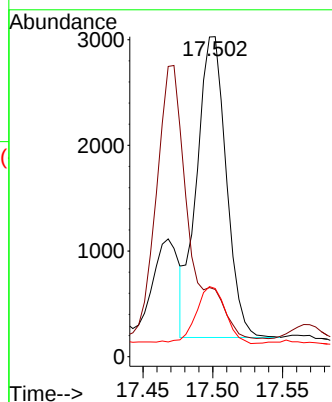
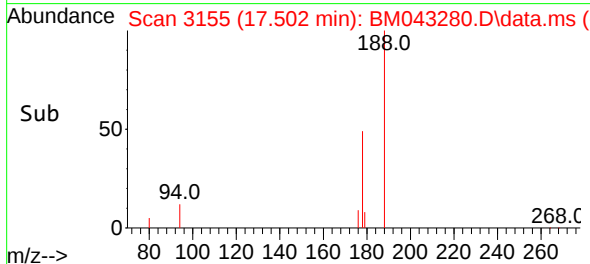
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4174 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 21.0  | 12.6  | 18.8 |
| 176       | 21.3  | 15.6  | 23.4 |

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#19

Fluoranthene

Concen: 0.137 ng/ul

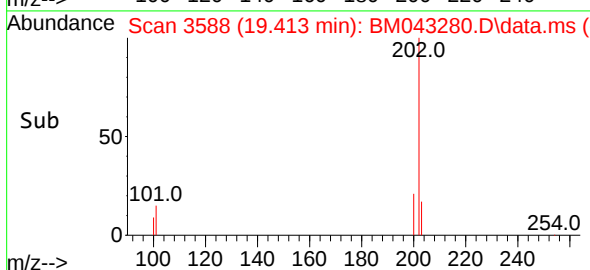
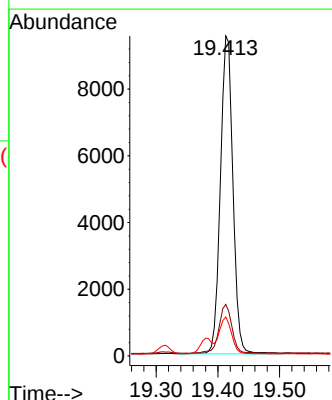
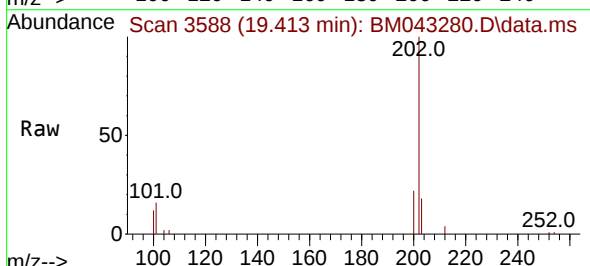
RT: 19.413 min Scan# 3588

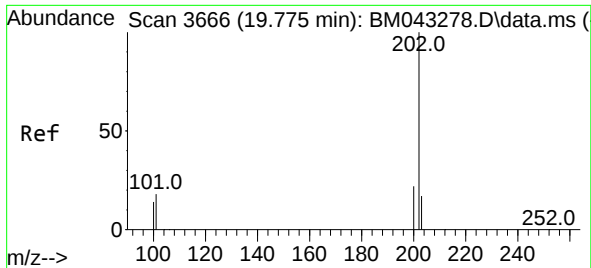
Delta R.T. -0.005 min

Lab File: BM043280.D

Acq: 13 Dec 2023 01:35

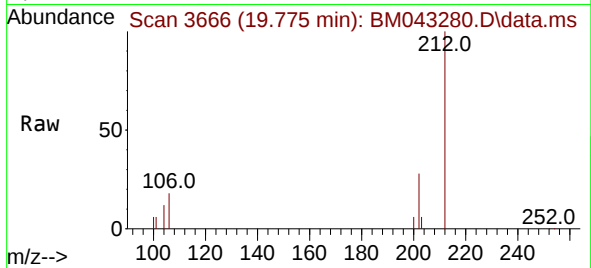
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 13489 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 16.1  | 10.1  | 15.1  |
| 100       | 12.2  | 7.4   | 11.2  |





#20  
Pyrene  
Concen: 0.093 ng/u1  
RT: 19.775 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35

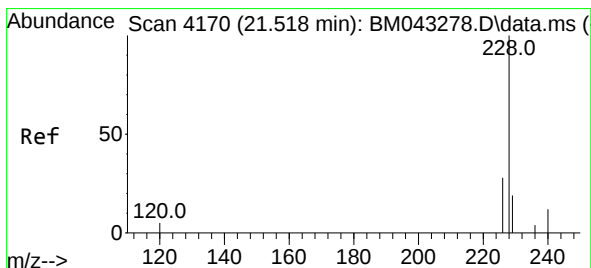
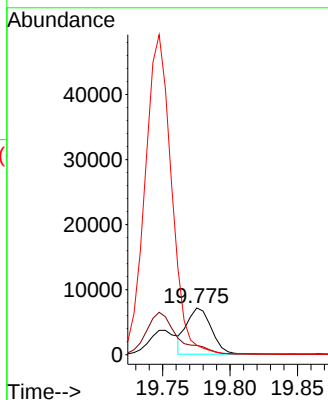
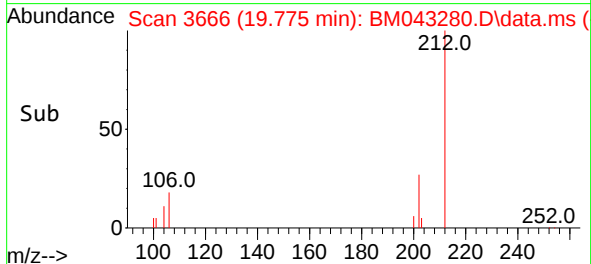
Instrument :  
BNA\_M  
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Tgt Ion:202 Resp: 9030  
Ion Ratio Lower Upper  
202 100  
101 19.9 12.7 19.1  
100 20.1 9.8 14.8

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Supervised By :mohammad ahmed 12/14/2023



#21  
Benzo(a)anthracene  
Concen: 0.021 ng/u1  
RT: 21.518 min Scan# 4170  
Delta R.T. -0.000 min  
Lab File: BM043280.D  
Acq: 13 Dec 2023 01:35

Tgt Ion:228 Resp: 1633  
Ion Ratio Lower Upper  
228 100  
229 25.4 15.5 23.3#  
226 32.5 22.6 34.0

