

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112223\  
 Data File : BM042969.D  
 Acq On : 23 Nov 2023 01:23  
 Operator : MA/JU  
 Sample : 05268-04DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKC2DL

Quant Time: Nov 23 02:05:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 22 10:35:26 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/25/2023

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.821  | 152  | 677      | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.627 | 136  | 1632     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.464 | 164  | 893      | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.220 | 188  | 1869     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.421 | 240  | 1202     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.768 | 264  | 2160     | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.164  | 96   | 920      | 0.865 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.266 | 152  | 137      | 0.067 | ng/ul  | 0.03     |
| 18) Fluoranthene-d10        | 19.252 | 212  | 369      | 0.094 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.677 | 128  | 409      | 0.080 | ng/ul# | 71       |
| 11) Acenaphthene            | 14.524 | 153  | 94       | 0.023 | ng/ul# | 81       |
| 12) Fluorene                | 15.518 | 166  | 1464     | 0.327 | ng/ul  | 94       |
| 14) Pentachlorophenol       | 16.870 | 266  | 1187     | 1.142 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.262 | 178  | 1763     | 0.269 | ng/ul  | 98       |
| 16) Anthracene              | 17.351 | 178  | 226m     | 0.033 | ng/ul  |          |
| 19) Fluoranthene            | 19.284 | 202  | 331      | 0.044 | ng/ul# | 52       |
| 20) Pyrene                  | 19.642 | 202  | 232      | 0.028 | ng/ul# | 7        |
| -----                       |        |      |          |       |        |          |

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

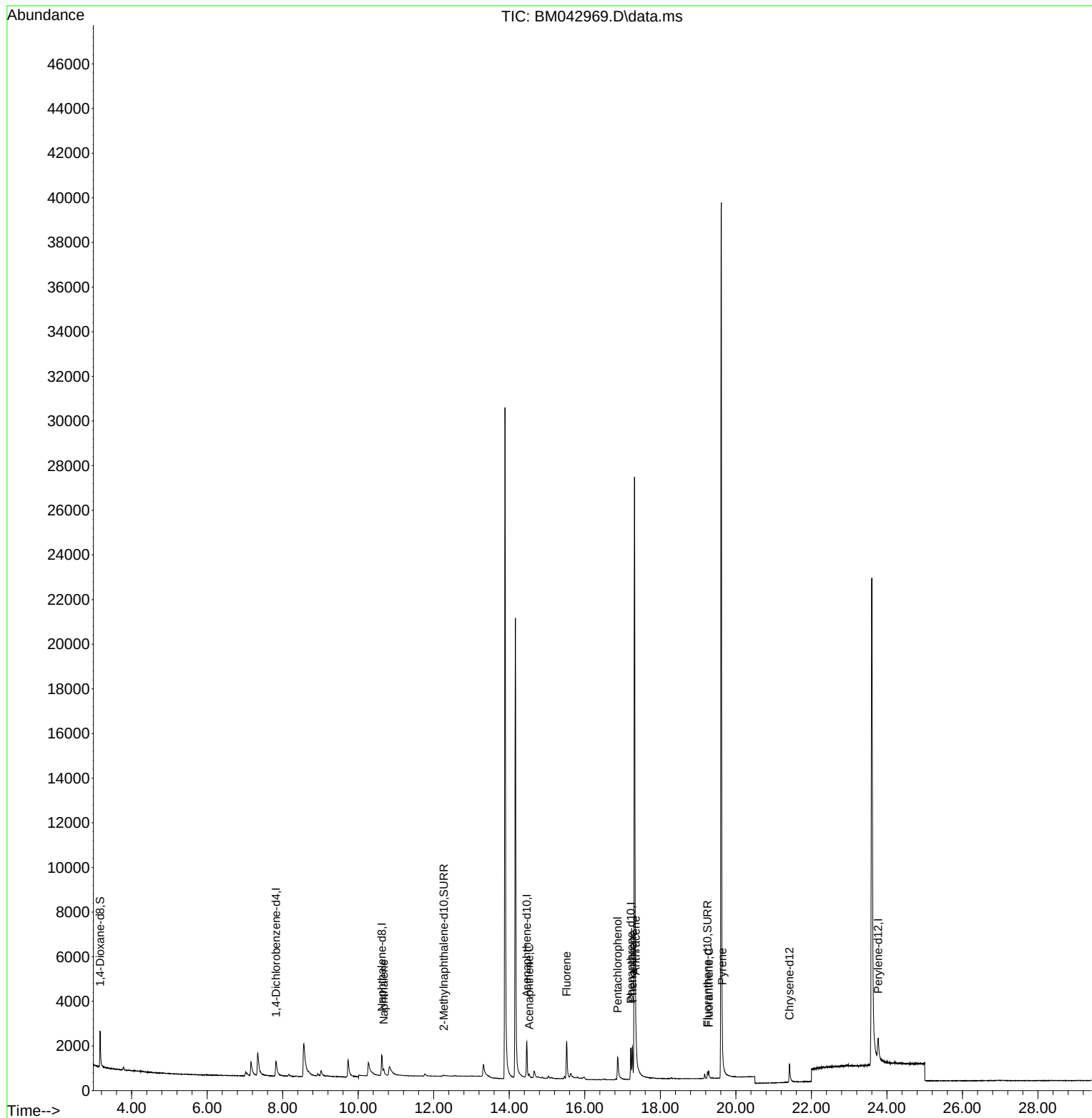
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112223\  
Data File : BM042969.D  
Acq On : 23 Nov 2023 01:23  
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ALS Vial : 26 Sample Multiplier: 1

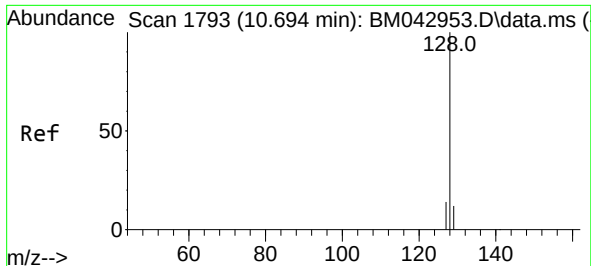
Instrument :  
BNA\_M  
ClientSampleId :  
DCKC2DL

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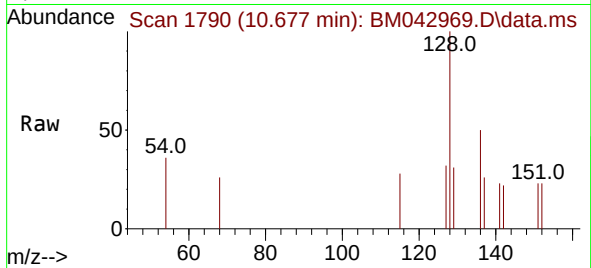
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM112123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 22 10:35:26 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.080 ng/u1  
RT: 10.677 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

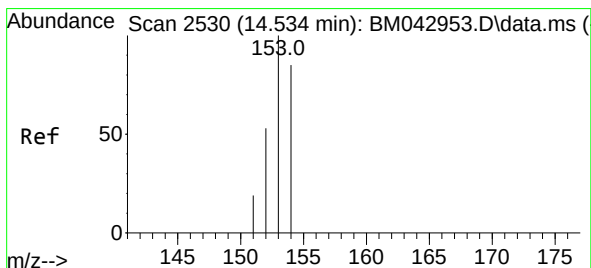
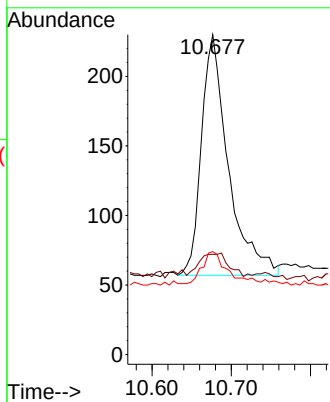
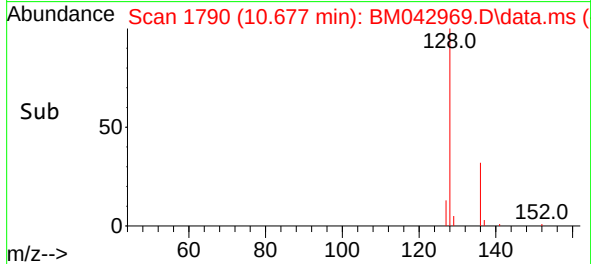
Instrument :  
BNA\_M  
ClientSampleId :  
DCKC2DL



Tgt Ion:128 Resp: 409  
Ion Ratio Lower Upper  
128 100  
129 31.3 14.2 21.4  
127 32.2 15.8 23.6

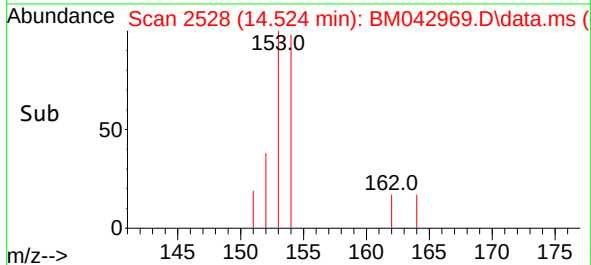
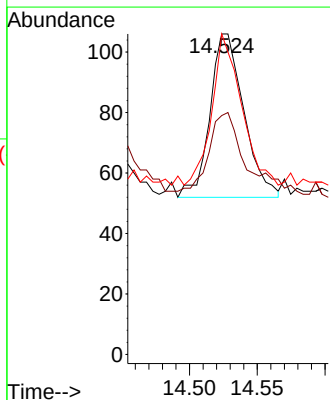
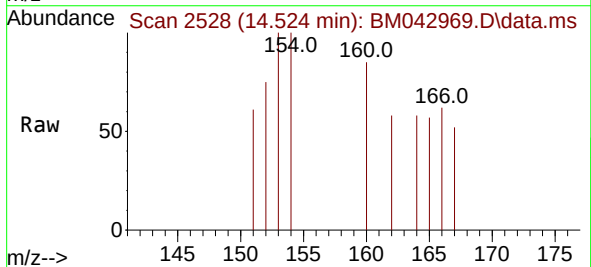
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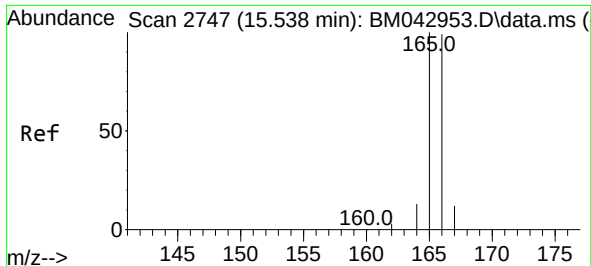
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/25/2023



#11  
Acenaphthene  
Concen: 0.023 ng/u1  
RT: 14.524 min Scan# 2528  
Delta R.T. -0.009 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

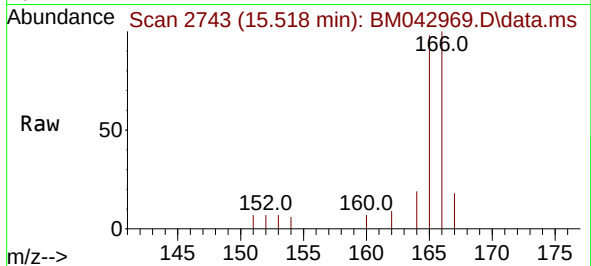
Tgt Ion:153 Resp: 94  
Ion Ratio Lower Upper  
153 100  
152 74.5 43.3 64.9#  
154 100.0 70.6 105.8





#12  
Fluorene  
Concen: 0.327 ng/ul  
RT: 15.518 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

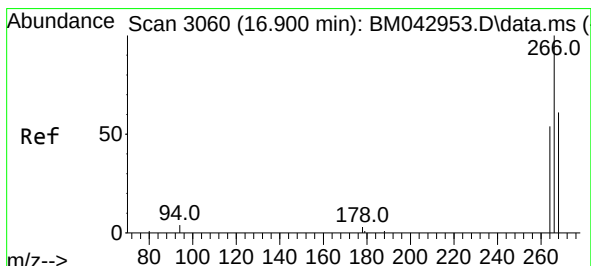
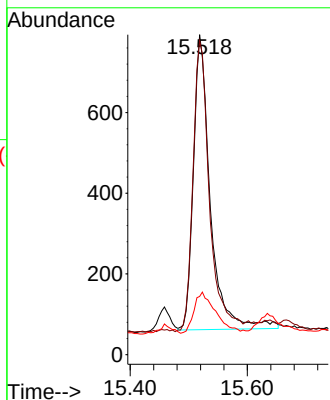
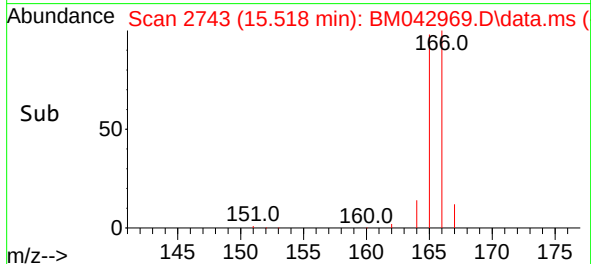
Instrument :  
BNA\_M  
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DCKC2DL



Tgt Ion:166 Resp: 146  
Ion Ratio Lower Upper  
166 100  
165 98.1 84.3 126.5  
167 18.2 15.0 22.6

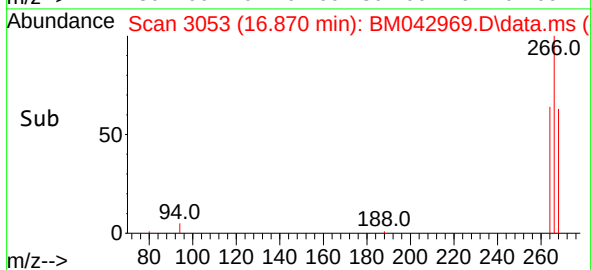
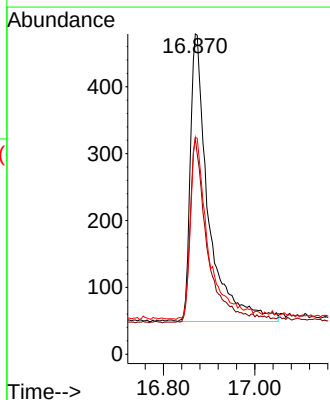
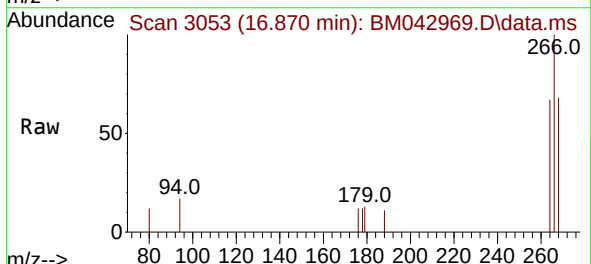
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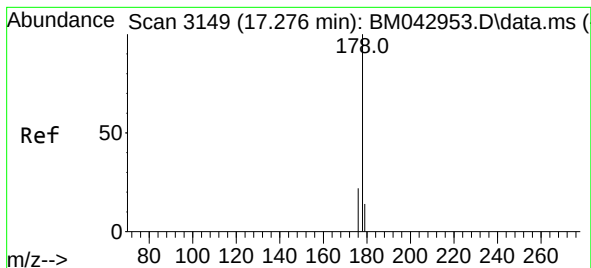
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/25/2023



#14  
Pentachlorophenol  
Concen: 1.142 ng/ul  
RT: 16.870 min Scan# 3053  
Delta R.T. -0.021 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

Tgt Ion:266 Resp: 1187  
Ion Ratio Lower Upper  
266 100  
264 61.7 52.2 78.2  
268 63.4 48.0 72.0





#15

Phenanthrene

Concen: 0.269 ng/ul

RT: 17.262 min Scan# 3146

Delta R.T. -0.009 min

Lab File: BM042969.D

Acq: 23 Nov 2023 01:23

Instrument :

BNA\_M

ClientSampleId :

DCKC2DL

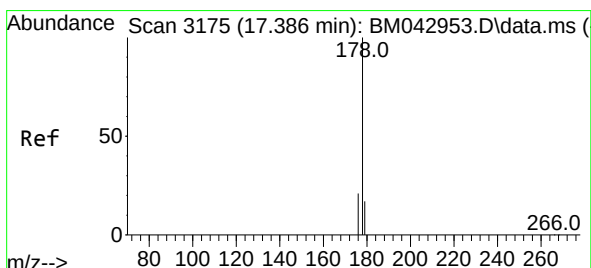
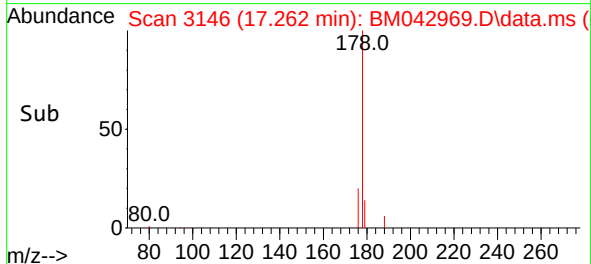
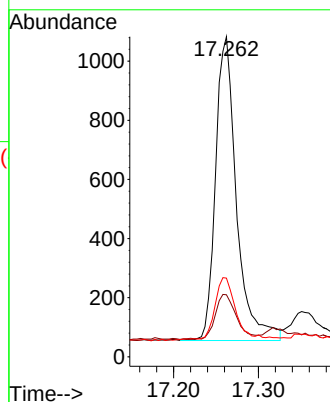
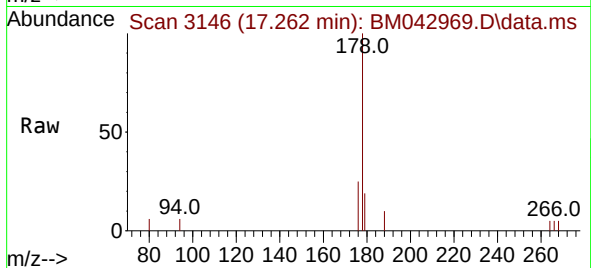
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 176   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 19.4  | 14.9  | 22.3  |
| 176      | 24.6  | 18.6  | 27.8  |

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#16

Anthracene

Concen: 0.033 ng/ul m

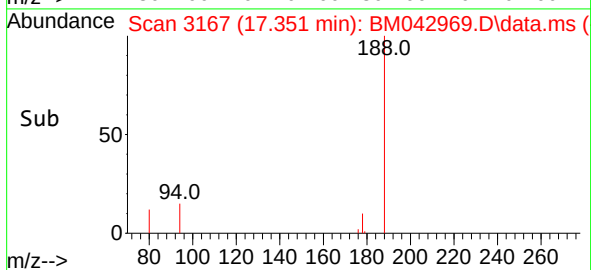
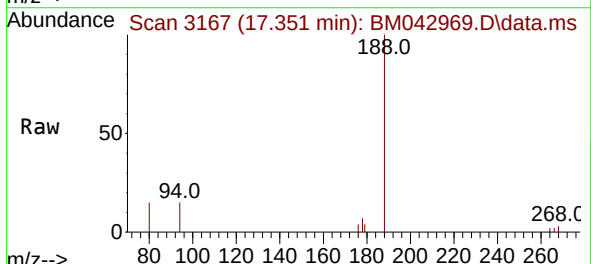
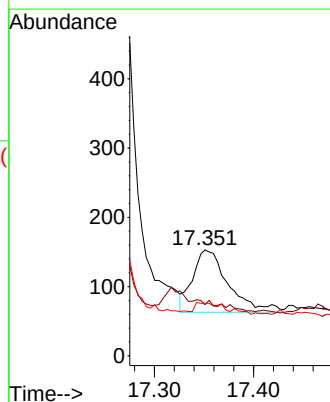
RT: 17.351 min Scan# 3167

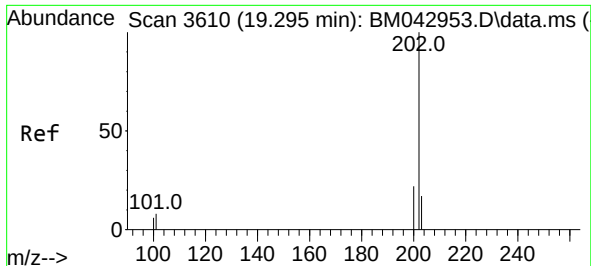
Delta R.T. -0.021 min

Lab File: BM042969.D

Acq: 23 Nov 2023 01:23

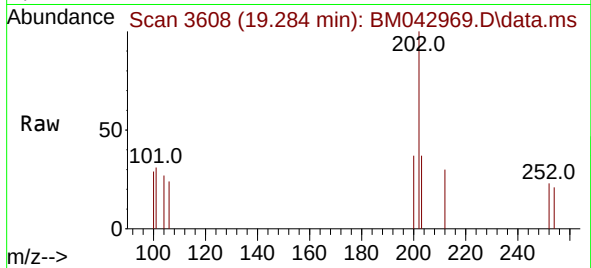
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 226   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 48.4  | 16.6  | 24.8# |
| 176      | 49.7  | 20.3  | 30.5# |





#19  
Fluoranthene  
Concen: 0.044 ng/u1  
RT: 19.284 min Scan# 3608  
Delta R.T. -0.000 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

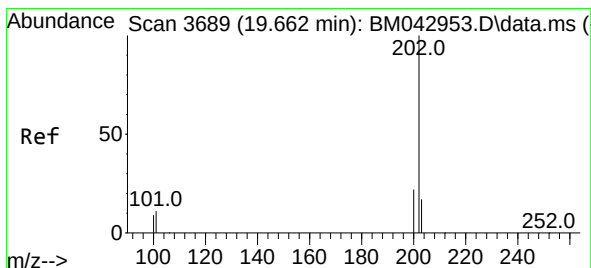
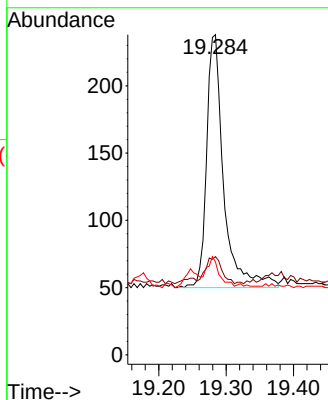
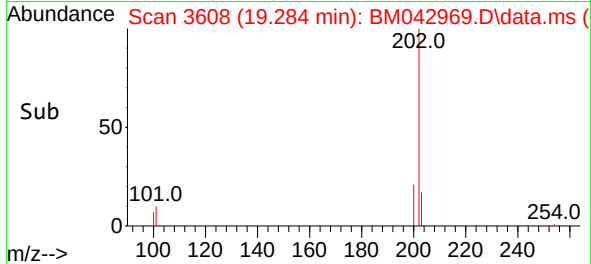
Instrument :  
BNA\_M  
ClientSampleId :  
DCKC2DL



Tgt Ion:202 Resp: 331  
Ion Ratio Lower Upper  
202 100  
101 30.7 10.2 15.4#  
100 29.0 8.2 12.2#

Manual Integrations  
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Supervised By :mohammad ahmed 11/25/2023



#20  
Pyrene  
Concen: 0.028 ng/u1  
RT: 19.642 min Scan# 3685  
Delta R.T. -0.009 min  
Lab File: BM042969.D  
Acq: 23 Nov 2023 01:23

Tgt Ion:202 Resp: 232  
Ion Ratio Lower Upper  
202 100  
101 41.4 11.2 16.8#  
100 60.6 10.3 15.5#

