

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061521\  
 Data File : BM030453.D  
 Acq On : 15 Jun 2021 19:41  
 Operator : CG/JU  
 Sample : M2558-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X3549

Manual Integrations  
 APPROVED

mohammad  
 6/16/2021 8:32:18 AM

Quant Time: Jun 15 20:18:18 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM060121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 15 11:43:56 2021  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 4279     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.62 | 136  | 14670    | 0.40   | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.46 | 164  | 8533     | 0.40   | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.19 | 188  | 17528    | 0.40   | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.36 | 240  | 16619    | 0.40   | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.63 | 264  | 15788    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.31  | 96   | 2993     | 0.71   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.21 | 152  | 8264     | 0.39   | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.21 | 212  | 19484    | 0.35   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 5) Naphthalene              | 10.67 | 128  | 19242    | 0.444  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.28 | 142  | 24754    | 0.845  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.18 | 152  | 19435    | 0.479  | ng/ul  | 100      |
| 11) Acenaphthene            | 14.52 | 153  | 39501    | 1.142  | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.85 | 266  | 3402     | 0.623  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.23 | 178  | 32163    | 0.507  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.24 | 202  | 65294    | 0.771  | ng/ul  | 96       |
| 20) Pyrene                  | 19.60 | 202  | 55792    | 0.648  | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.34 | 228  | 33533    | 0.503  | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.94 | 252  | 49665    | 0.633  | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 22.99 | 252  | 61590m   | 0.828  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.53 | 252  | 29103    | 0.459  | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.93 | 276  | 46641    | 0.556  | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.95 | 278  | 46066    | 0.678  | ng/ul  | 95       |
| 29) Benzo(a,h,i)perylene    | 26.64 | 276  | 50640    | 0.691  | ng/ul# | 94       |

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

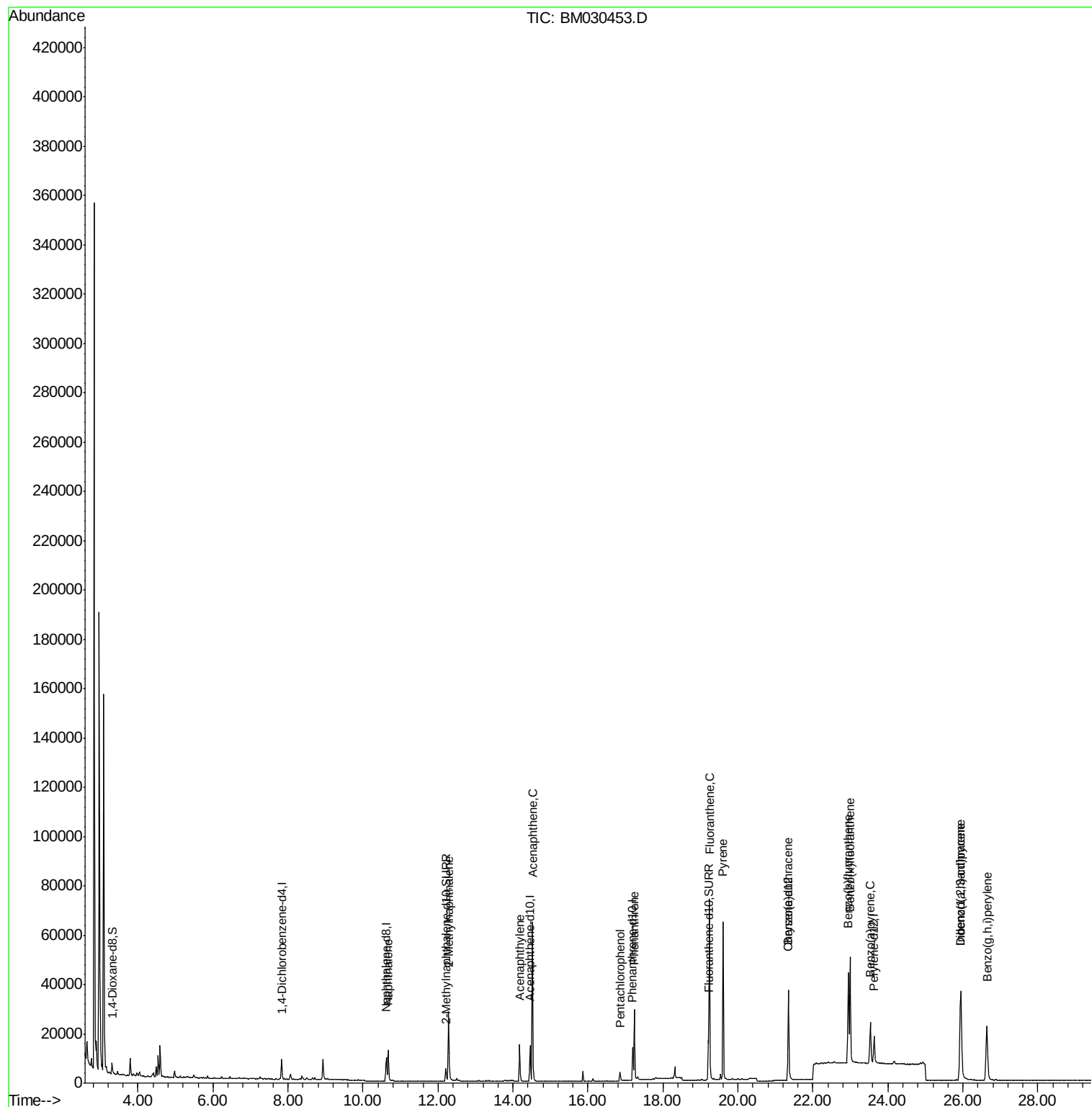
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061521\  
Data File : BM030453.D  
Acq On : 15 Jun 2021 19:41  
Operator : CG/JU  
Sample : M2558-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

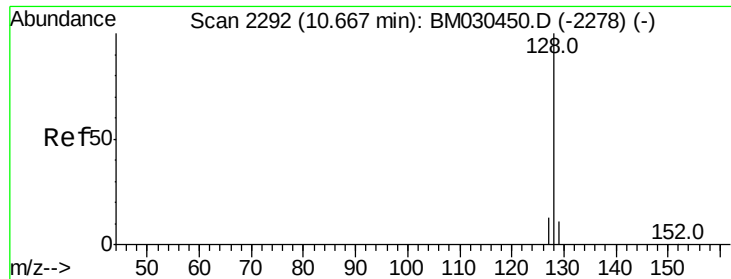
Instrument :  
BNA\_M  
ClientSampleId :  
X3549

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Quant Time: Jun 15 20:18:18 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM060121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 15 11:43:56 2021  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.444 ng/ul

RT: 10.67 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

Instrument :

BNA\_M

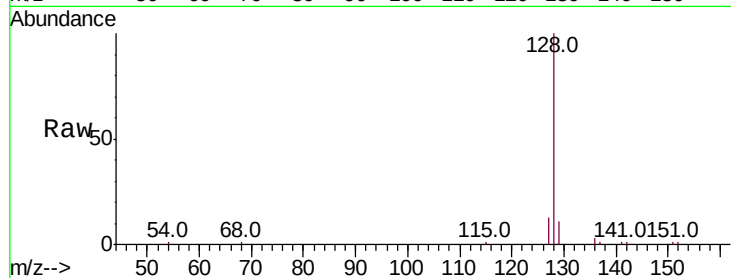
ClientSampleId :

X3549

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 19242 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.3  | 9.0   | 13.4  |
| 127       | 13.4  | 10.5  | 15.7  |

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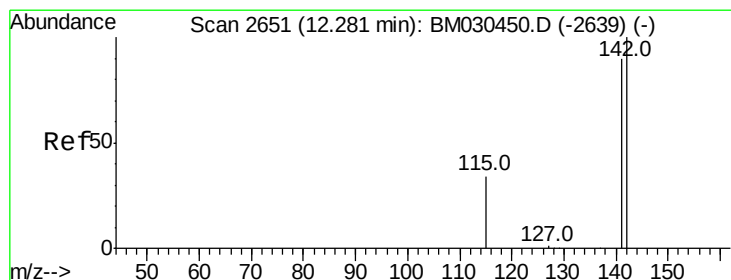
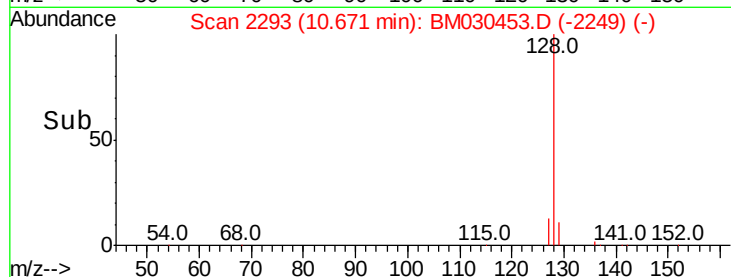
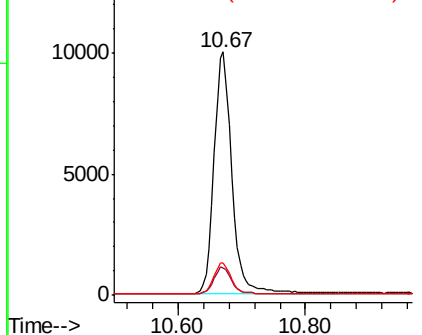
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.845 ng/ul

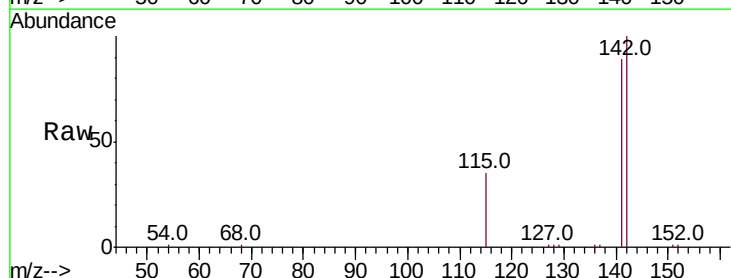
RT: 12.28 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BM030453.D

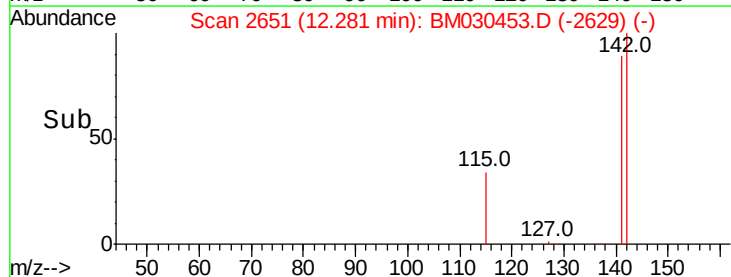
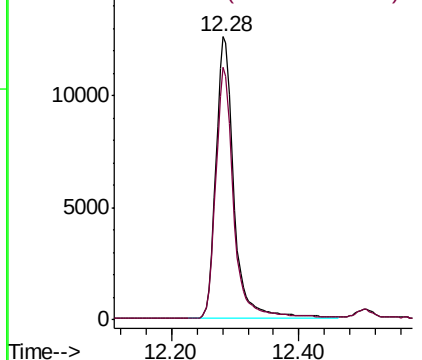
Acq: 15 Jun 2021 19:41

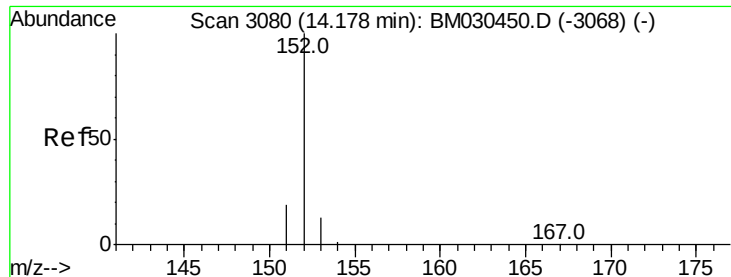
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 24754 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.8  | 71.5  | 107.3 |



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.479 ng/ul

RT: 14.18 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

Instrument :

BNA\_M

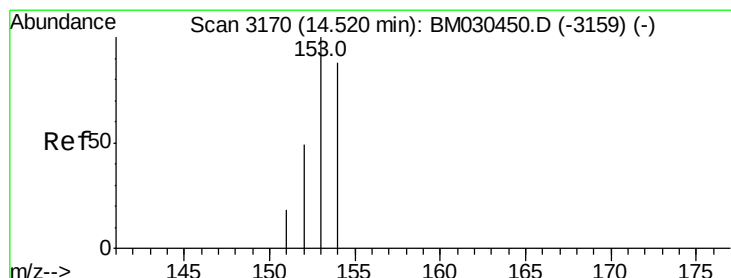
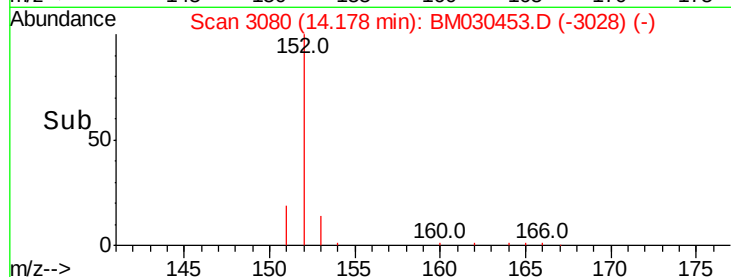
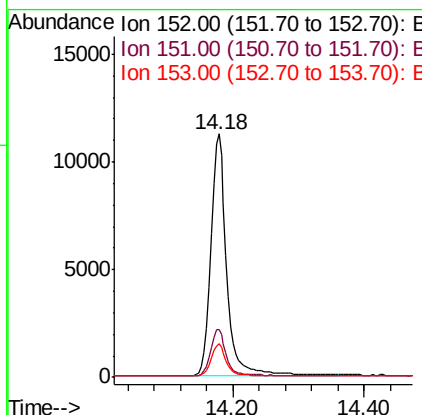
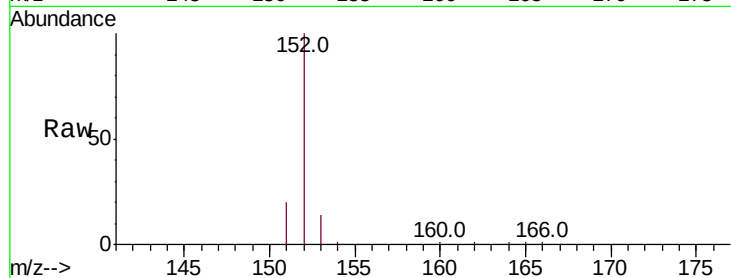
ClientSampleId :

X3549

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 19435 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.8  | 16.2  | 24.2  |
| 153       | 13.6  | 10.9  | 16.3  |

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#11

Acenaphthene

Concen: 1.142 ng/ul

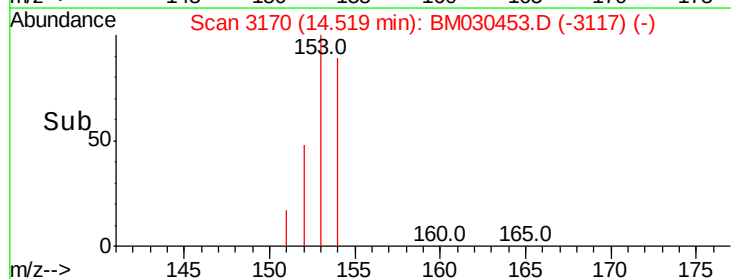
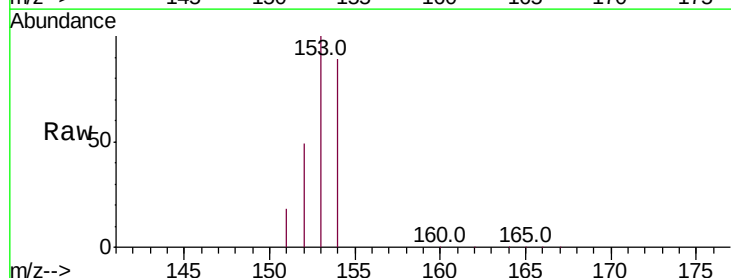
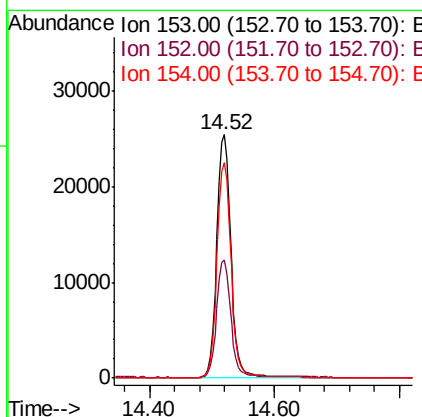
RT: 14.52 min Scan# 3170

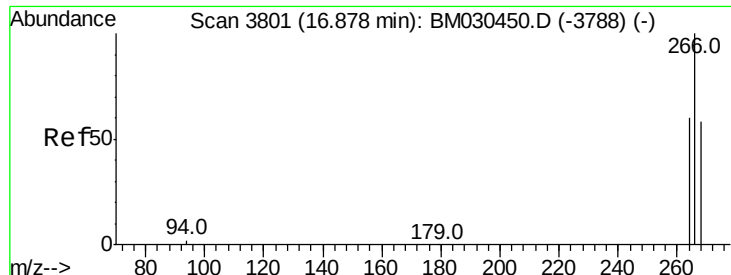
Delta R.T. -0.00 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 39501 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 48.7  | 39.8  | 59.8  |
| 154       | 88.7  | 70.9  | 106.3 |





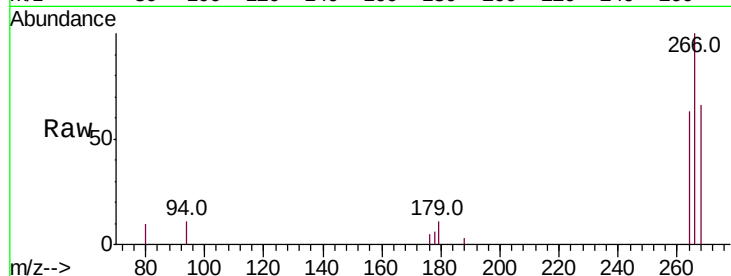
#14  
 Pentachlorophenol  
 Concen: 0.623 ng/ul  
 RT: 16.85 min Scan# 3794  
 Delta R.T. -0.02 min  
 Lab File: BM030453.D  
 Acq: 15 Jun 2021 19:41

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X3549

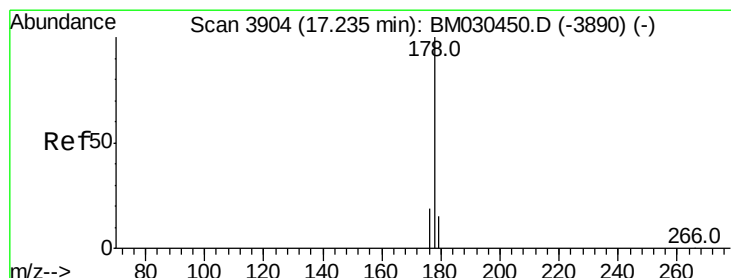
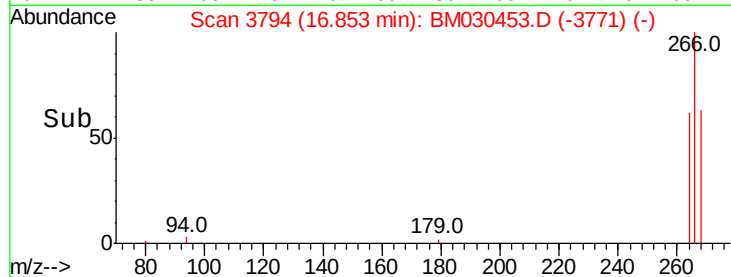
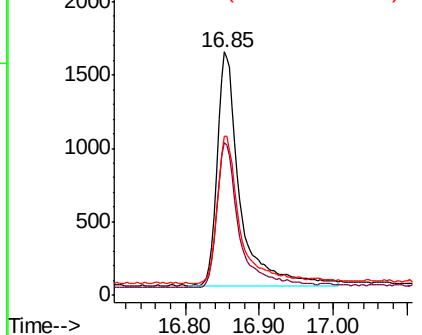
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 266   | Resp: | 3402 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.1  | 50.6  | 75.8 |
| 268       | 63.2  | 50.0  | 75.0 |

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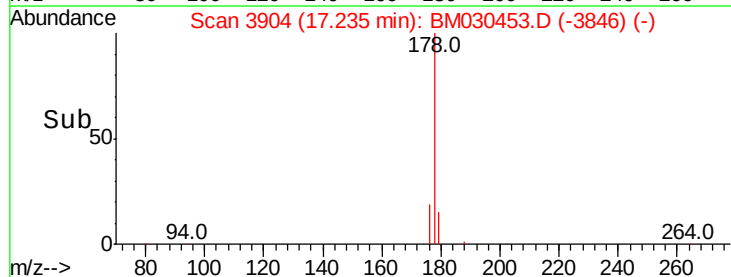
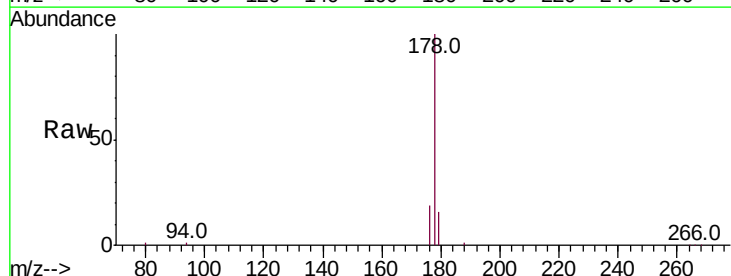
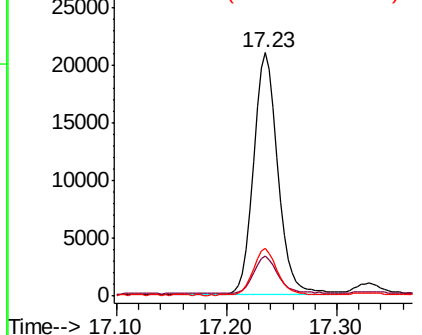
Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

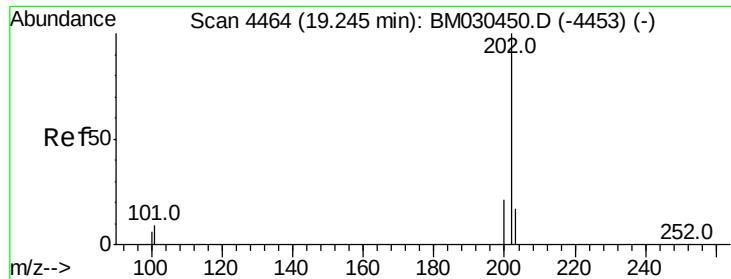


#15  
 Phenanthrene  
 Concen: 0.507 ng/ul  
 RT: 17.23 min Scan# 3904  
 Delta R.T. -0.00 min  
 Lab File: BM030453.D  
 Acq: 15 Jun 2021 19:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 32163 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.2  | 12.5  | 18.7  |
| 176       | 19.4  | 15.6  | 23.4  |

Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E





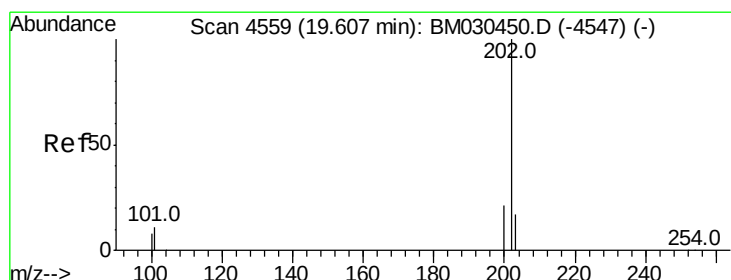
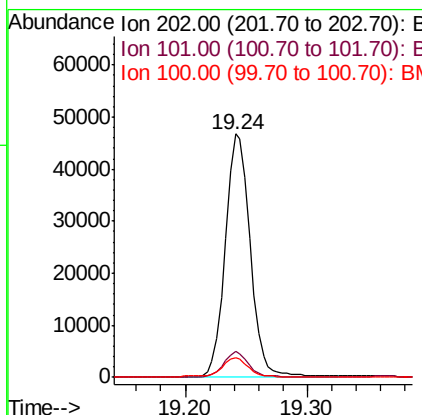
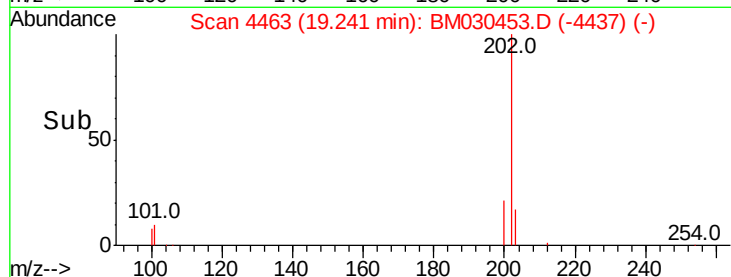
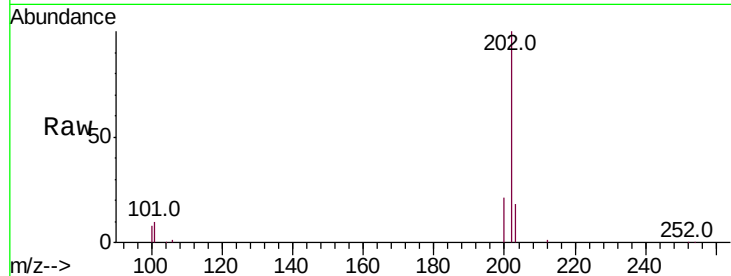
#19  
Fluoranthene  
Concen: 0.771 ng/ul  
RT: 19.24 min Scan# 4463  
Delta R.T. -0.00 min  
Lab File: BM030453.D  
Acq: 15 Jun 2021 19:41

Instrument :  
BNA\_M  
ClientSampleId :  
X3549

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 65294 |       |       |
| 101     | 10.5  |       | 9.7   | 14.5  |
| 100     | 8.1   |       | 7.4   | 11.0  |

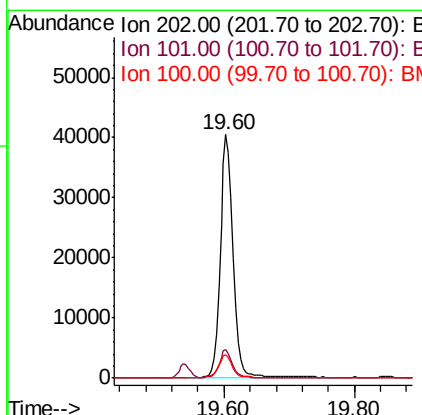
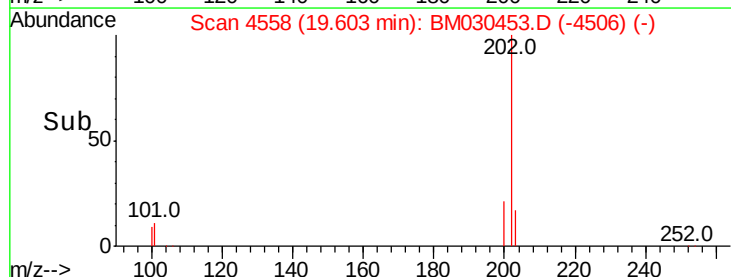
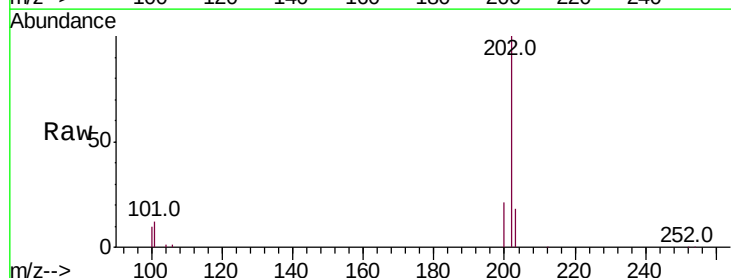
Manual Integrations  
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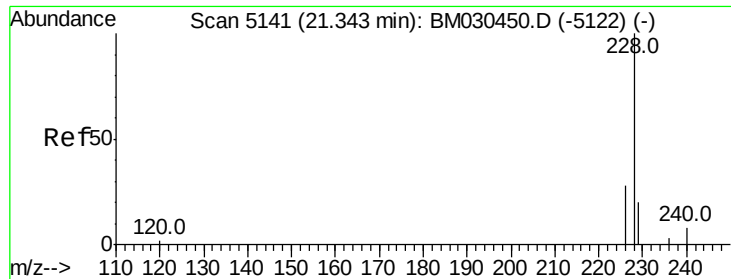
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#20  
Pyrene  
Concen: 0.648 ng/ul  
RT: 19.60 min Scan# 4558  
Delta R.T. -0.00 min  
Lab File: BM030453.D  
Acq: 15 Jun 2021 19:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 55792 |       |       |
| 101     | 11.7  |       | 10.6  | 16.0  |
| 100     | 9.6   |       | 8.9   | 13.3  |





#21

Benzo(a)anthracene

Concen: 0.503 ng/ul

RT: 21.34 min Scan# 5140

Delta R.T. -0.00 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

Instrument :

BNA\_M

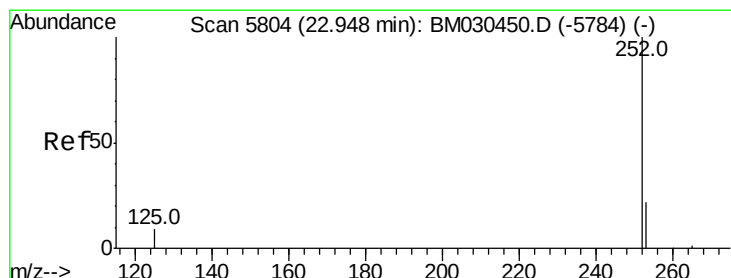
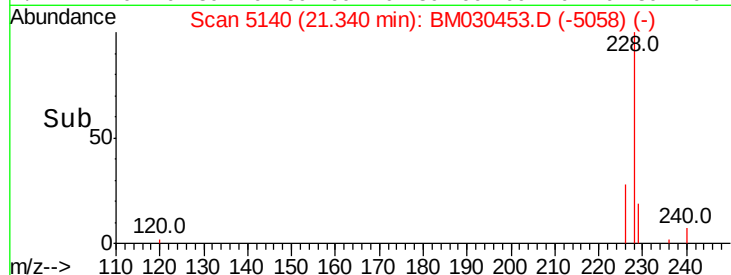
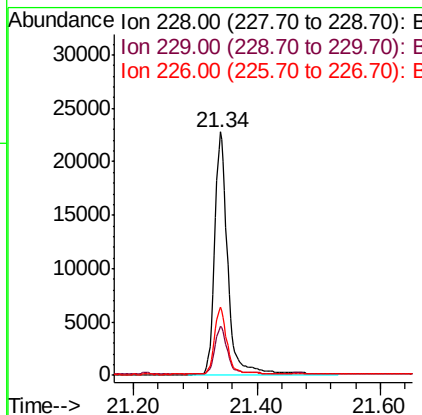
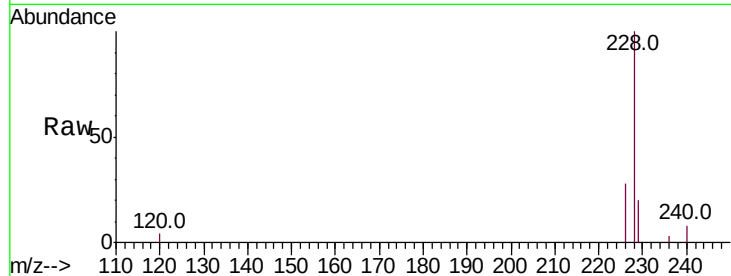
ClientSampleId :

X3549

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 33533 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 19.9  | 15.9  | 23.9  |
| 226       | 27.9  | 22.3  | 33.5  |

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#24

Benzo(b)fluoranthene

Concen: 0.633 ng/ul

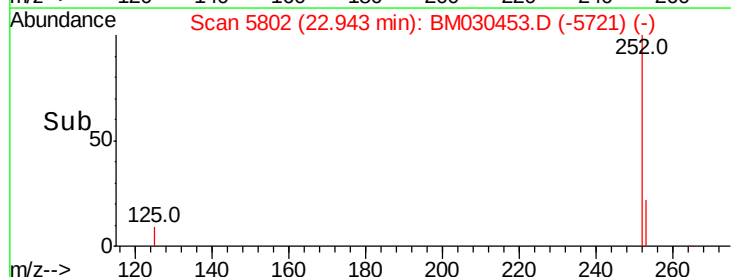
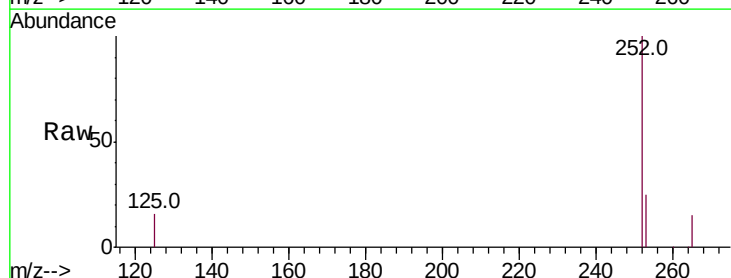
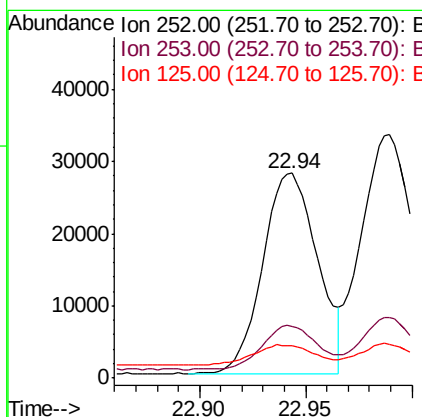
RT: 22.94 min Scan# 5802

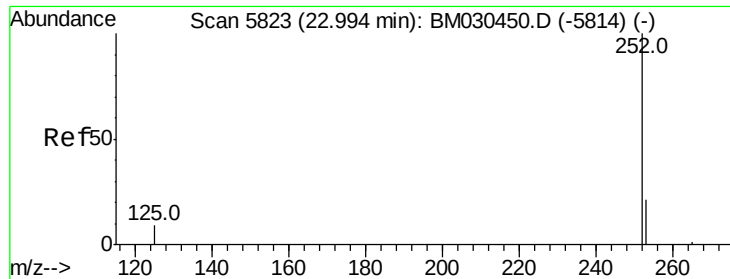
Delta R.T. -0.00 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 49665 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.5  | 0.0   | 57.4  |
| 125       | 16.0  | 0.0   | 38.0  |





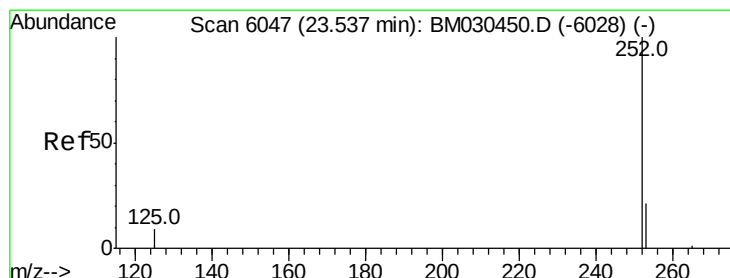
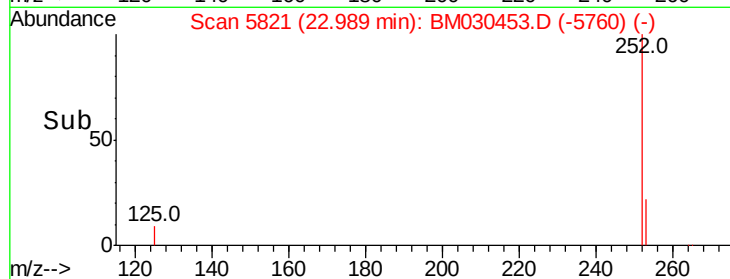
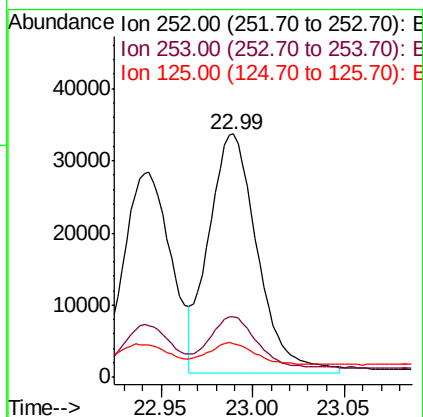
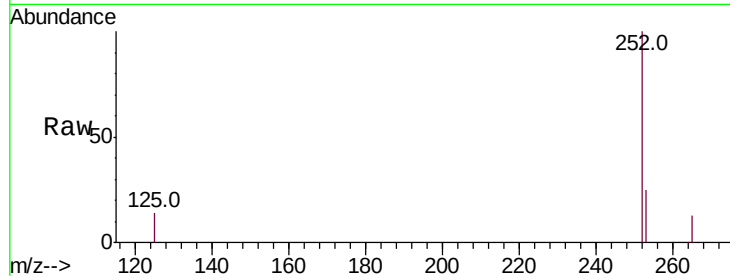
#25  
Benzo(k)fluoranthene  
Concen: 0.828 ng/ul m  
RT: 22.99 min Scan# 5821  
Delta R.T. -0.00 min  
Lab File: BM030453.D  
Acq: 15 Jun 2021 19:41

Instrument :  
BNA\_M  
ClientSampled :  
X3549

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 23.0  | 34.6  |
| 125     | 13.9  | 14.8  | 22.2# |

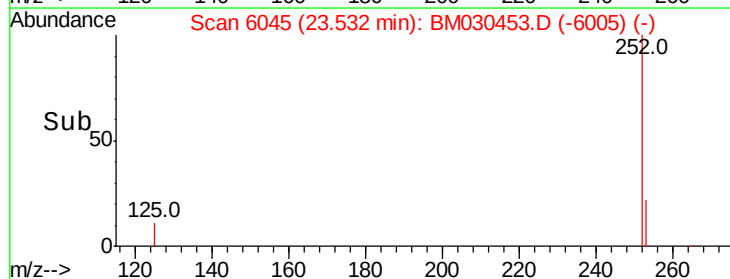
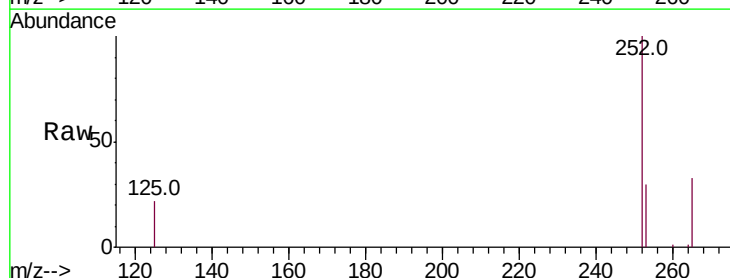
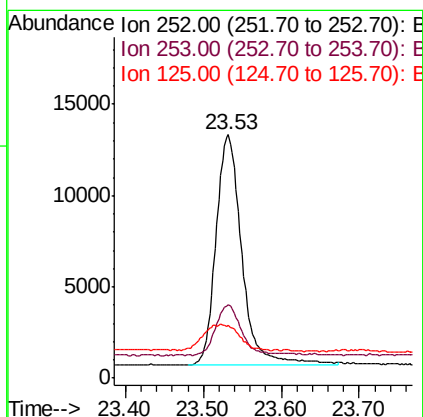
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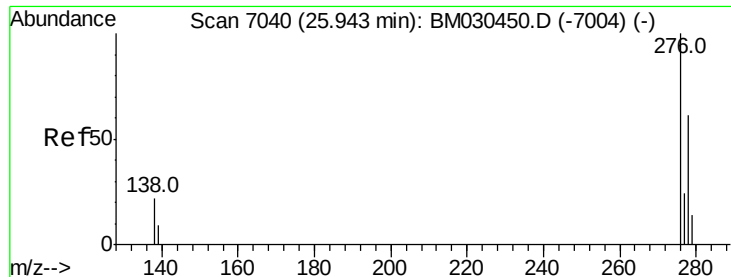


#26  
Benzo(a)pyrene  
Concen: 0.459 ng/ul  
RT: 23.53 min Scan# 6045  
Delta R.T. -0.00 min  
Lab File: BM030453.D  
Acq: 15 Jun 2021 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.1  | 25.3  | 37.9  |
| 125     | 21.9  | 17.6  | 26.4  |







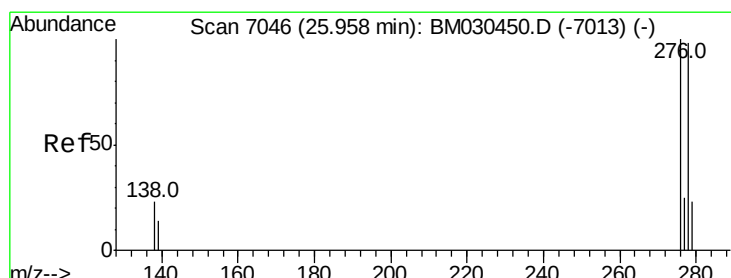
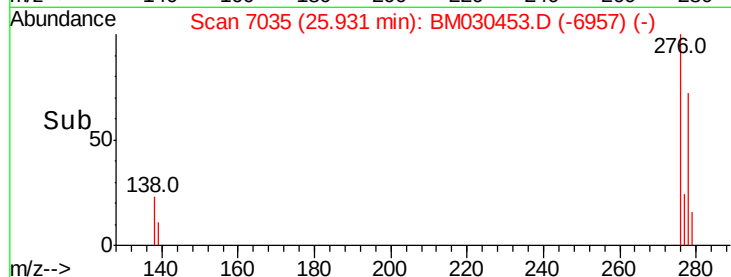
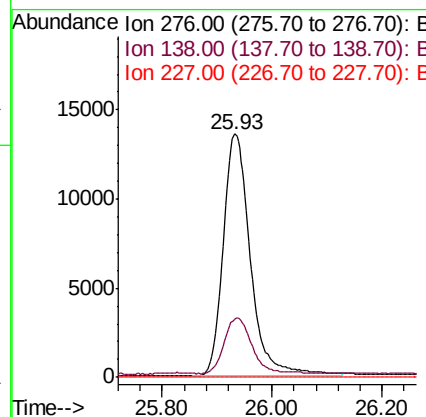
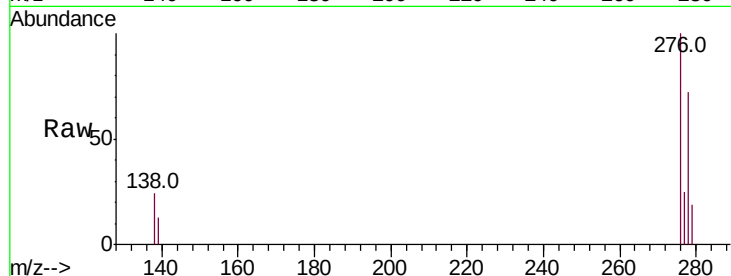
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.556 ng/ul  
 RT: 25.93 min Scan# 7035  
 Delta R.T. -0.01 min  
 Lab File: BM030453.D  
 Acq: 15 Jun 2021 19:41

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X3549

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 46641 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 23.9  | 22.3  | 33.5  |
| 227       | 0.0   | 0.0   | 0.0   |

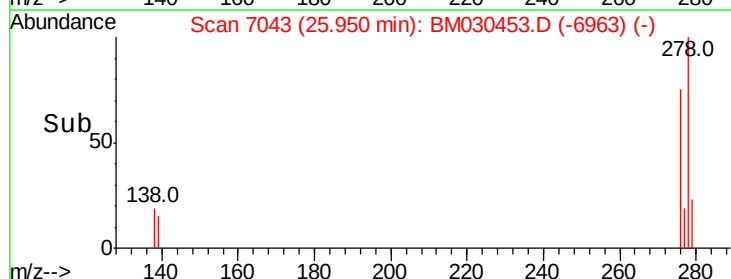
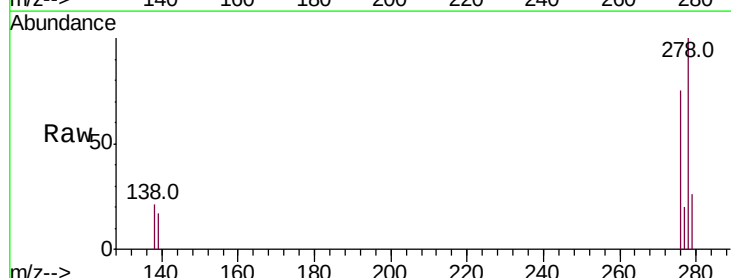
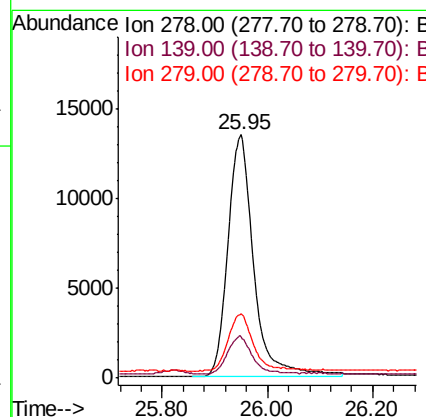
Manual Integrations  
 APPROVED

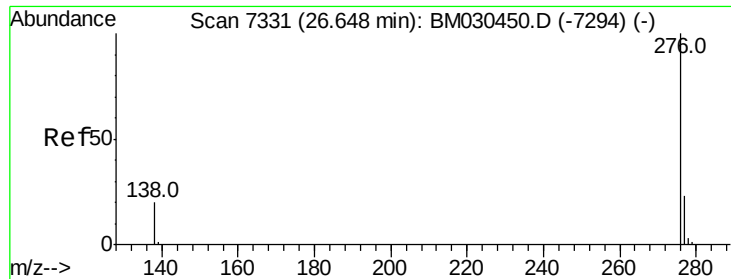
mohammad  
 6/16/2021 8:32:18 AM



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.678 ng/ul  
 RT: 25.95 min Scan# 7043  
 Delta R.T. -0.01 min  
 Lab File: BM030453.D  
 Acq: 15 Jun 2021 19:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 46066 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 17.0  | 15.8  | 23.8  |
| 279       | 26.4  | 23.2  | 34.8  |





#29

Benzo(a,h,i)perylene

Concen: 0.691 ng/ul

RT: 26.64 min Scan# 7327

Delta R.T. -0.01 min

Lab File: BM030453.D

Acq: 15 Jun 2021 19:41

Instrument :

BNA\_M

ClientSampleId :

X3549

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 50640 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 20.8  | 21.5  | 32.3# |
| 277       | 24.1  | 19.5  | 29.3  |

Manual Integrations  
APPROVED

mohammad  
6/16/2021 8:32:18 AM

