

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015675.D  
 Acq On : 23 Jun 2023 17:12  
 Operator : MA/JU  
 Sample : 03084-12  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFM9

Manual Integrations  
 APPROVED

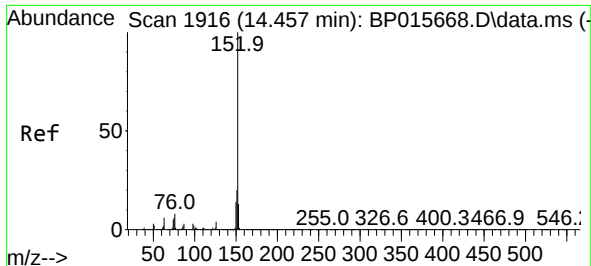
Reviewed By :Yogesh Patel 06/26/2023  
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 23 23:44:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 144062   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.904 | 136  | 529139   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 274447   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 534025   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.586 | 240  | 547625   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 686809   | 20.000 | ng/u1  | 0.01     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 10455    | 2.687  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 84520    | 8.364  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.246  | 99   | 176175   | 13.274 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.404  | 67   | 123007   | 15.519 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.604  | 132  | 152715   | 15.871 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.804  | 113  | 99038    | 9.092  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 73042    | 17.582 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143  | 81591    | 17.198 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 118925   | 13.742 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 83612    | 6.731  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 14.134 | 166  | 384366   | 17.760 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.422 | 160  | 429605   | 18.154 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.986 | 143  | 31257m   | 8.065  | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.728 | 176  | 305020   | 16.714 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 35278    | 10.428 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.592 | 188  | 436929   | 17.983 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.822 | 212  | 582971   | 19.890 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 672878   | 19.526 | ng/u1  | 0.01     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.451 | 152  | 183398   | 6.998  | ng/u1  | 98       |
| 61) Fluorene                  | 15.781 | 166  | 32521    | 1.554  | ng/u1  | 92       |
| 72) Phenanthrene              | 17.533 | 178  | 685020   | 23.903 | ng/u1  | 99       |
| 74) Anthracene                | 17.628 | 178  | 154191   | 5.303  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.498 | 202  | 1859156  | 52.074 | ng/u1  | 97       |
| 82) Pyrene                    | 19.851 | 202  | 1422208  | 38.504 | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.568 | 228  | 921576   | 24.073 | ng/u1  | 98       |
| 87) Chrysene                  | 21.621 | 228  | 885646   | 24.475 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.362 | 252  | 1379660  | 31.120 | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 23.404 | 252  | 486012m  | 11.341 | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.033 | 252  | 884702   | 22.889 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.862 | 276  | 731396   | 14.621 | ng/u1# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.862 | 278  | 201874   | 4.954  | ng/u1# | 78       |
| 96) Benzo(g,h,i)perylene      | 27.703 | 276  | 643395   | 15.607 | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

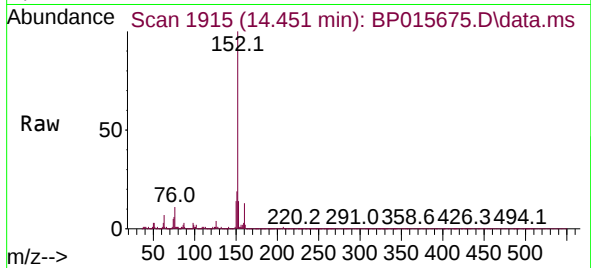
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#50  
Acenaphthylene  
Concen: 6.998 ng/ul  
RT: 14.451 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

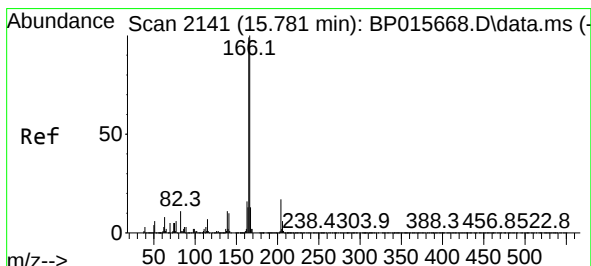
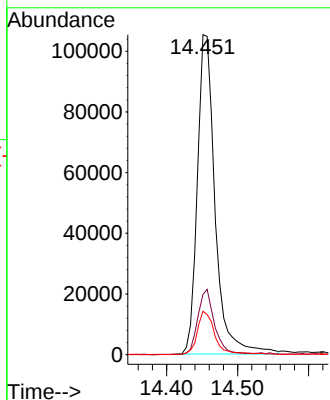
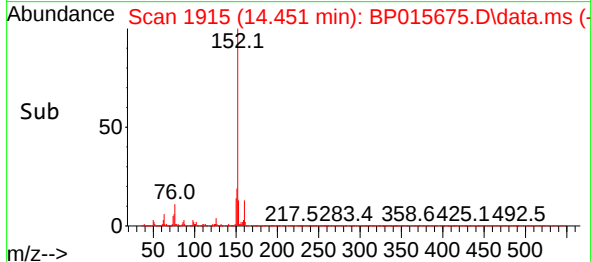
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM9



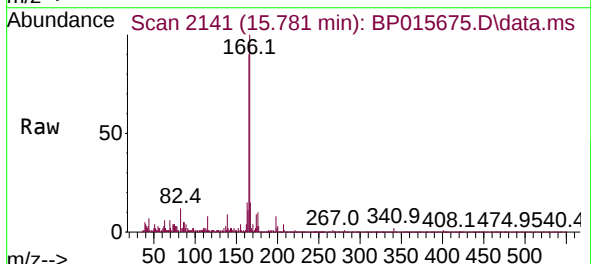
Tgt Ion:152 Resp: 183398  
Ion Ratio Lower Upper  
152 100  
151 18.9 16.0 24.0  
153 13.5 10.6 15.8

Manual Integrations  
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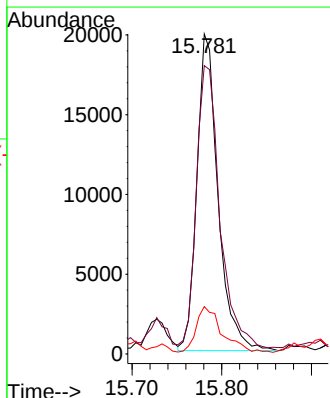
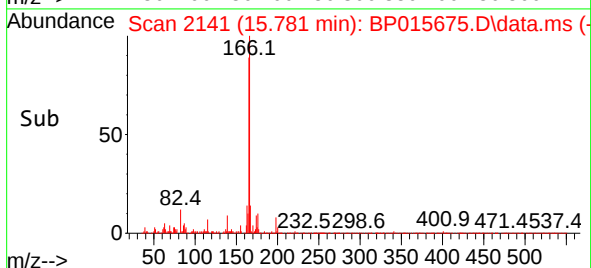
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023

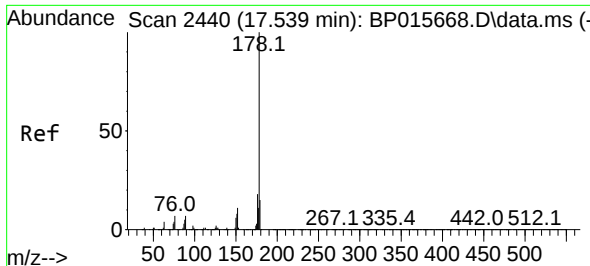


#61  
Fluorene  
Concen: 1.554 ng/ul  
RT: 15.781 min Scan# 2141  
Delta R.T. 0.000 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12



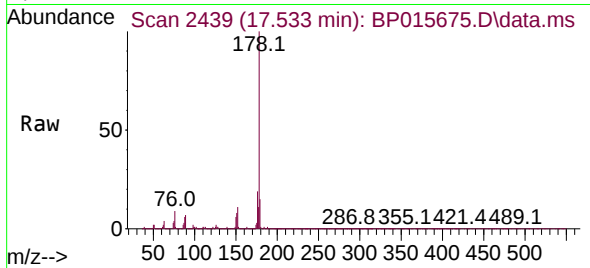
Tgt Ion:166 Resp: 32521  
Ion Ratio Lower Upper  
166 100  
165 90.1 79.1 118.7  
167 14.8 10.6 16.0





#72  
Phenanthrene  
Concen: 23.903 ng/u1  
RT: 17.533 min Scan# 2440  
Delta R.T. 0.000 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

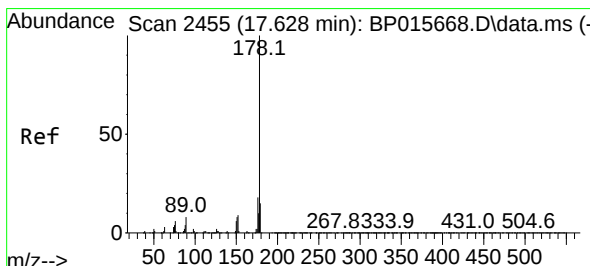
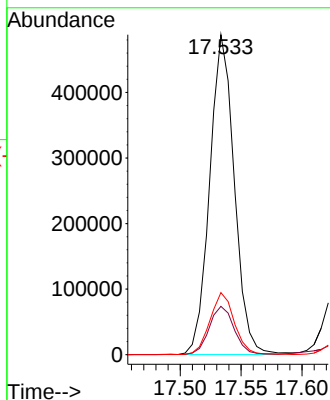
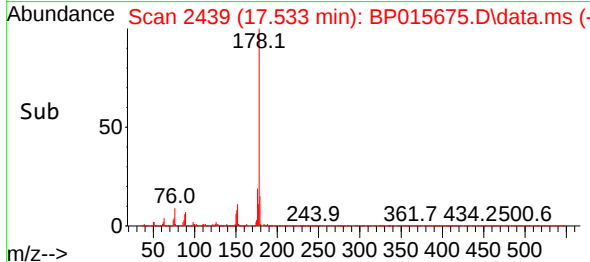
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM9



Tgt Ion:178 Resp: 685020  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.3 18.5  
176 19.4 15.4 23.0

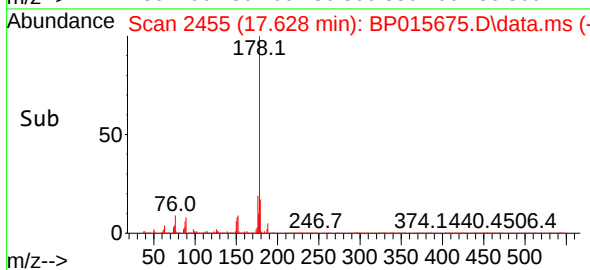
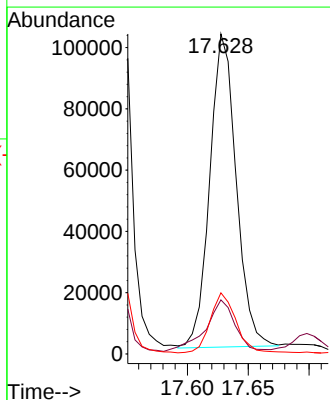
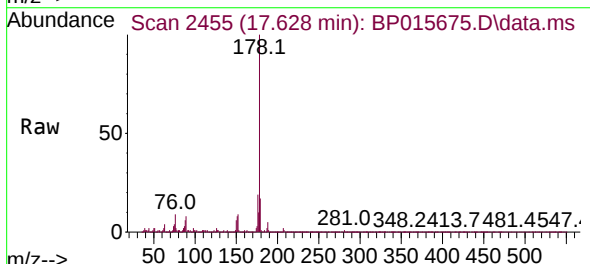
Manual Integrations  
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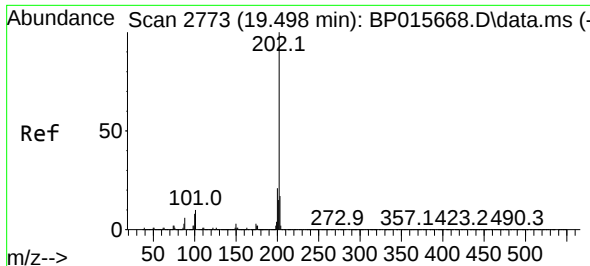
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023



#74  
Anthracene  
Concen: 5.303 ng/u1  
RT: 17.628 min Scan# 2455  
Delta R.T. 0.000 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

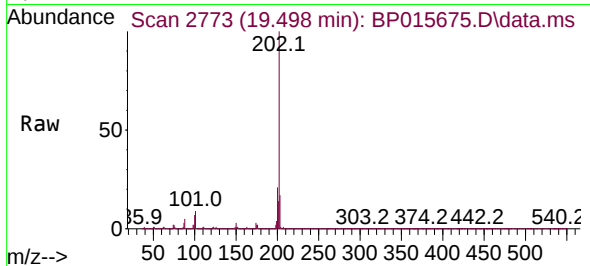
Tgt Ion:178 Resp: 154191  
Ion Ratio Lower Upper  
178 100  
179 16.9 12.4 18.6  
176 19.1 15.0 22.4





#80  
Fluoranthene  
Concen: 52.074 ng/u1  
RT: 19.498 min Scan# 2773  
Delta R.T. 0.006 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

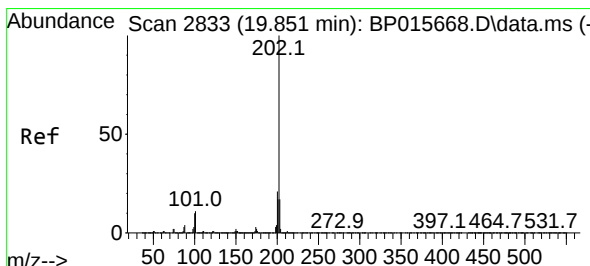
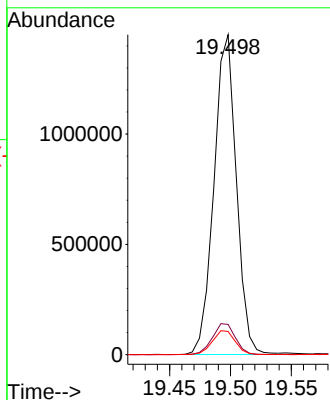
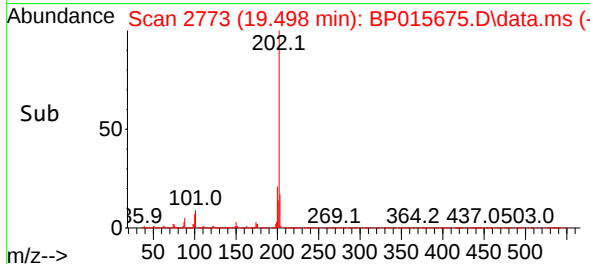
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM9



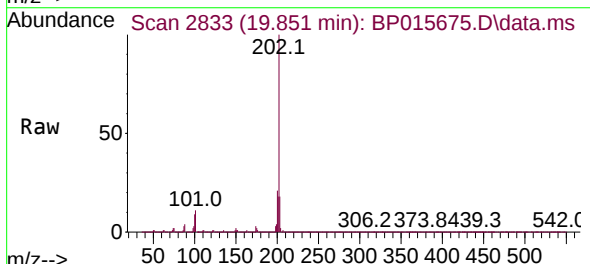
Tgt Ion:202 Resp: 185915  
Ion Ratio Lower Upper  
202 100  
101 9.4 8.6 13.0  
100 7.3 6.6 9.8

Manual Integrations  
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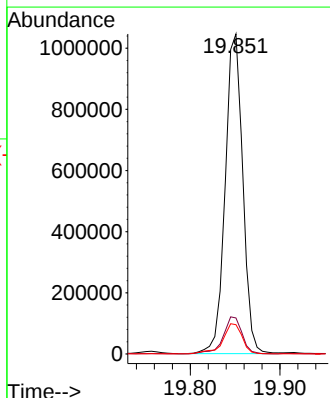
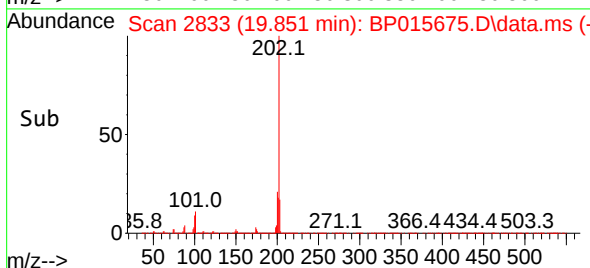
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023

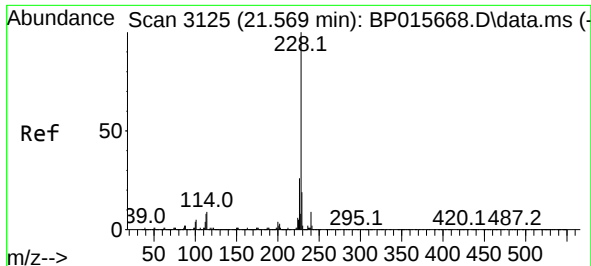


#82  
Pyrene  
Concen: 38.504 ng/u1  
RT: 19.851 min Scan# 2833  
Delta R.T. 0.006 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12



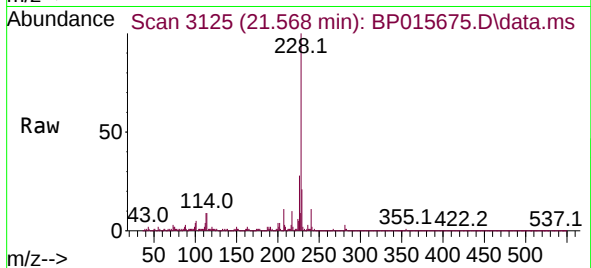
Tgt Ion:202 Resp: 1422208  
Ion Ratio Lower Upper  
202 100  
101 11.3 9.9 14.9  
100 9.2 8.4 12.6





#85  
Benzo(a)anthracene  
Concen: 24.073 ng/ul  
RT: 21.568 min Scan# 3125  
Delta R.T. 0.006 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

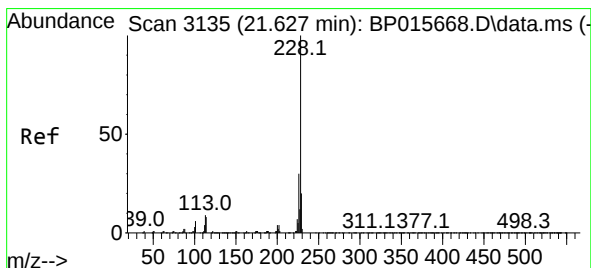
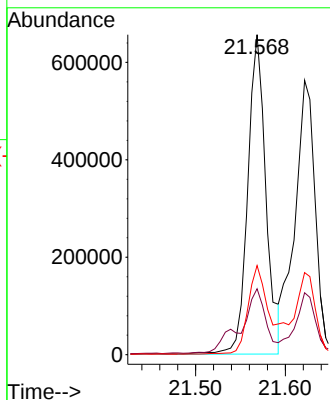
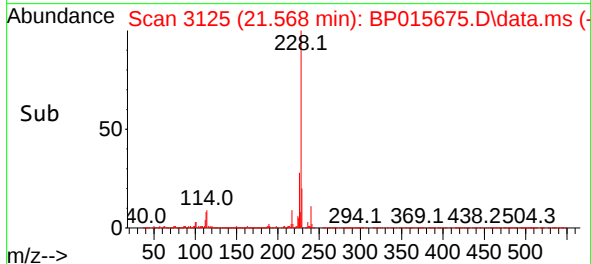
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM9



Tgt Ion:228 Resp: 921570  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.8 23.6  
226 27.8 21.8 32.6

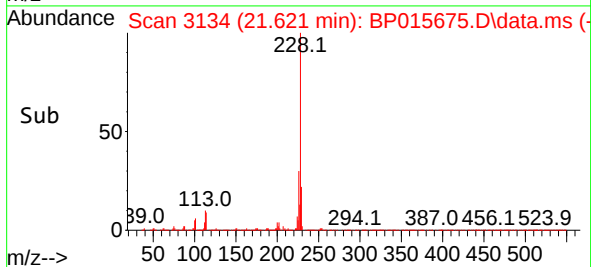
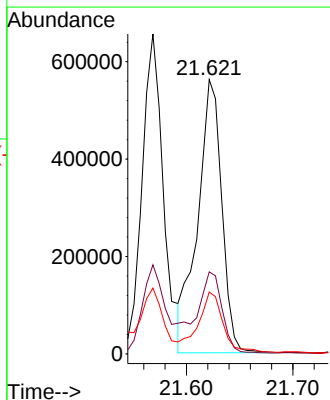
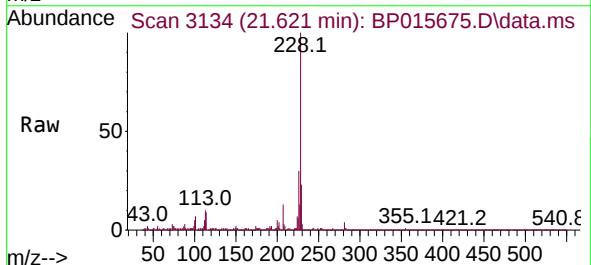
Manual Integrations  
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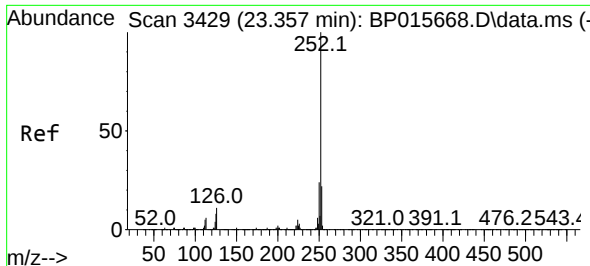
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023



#87  
Chrysene  
Concen: 24.475 ng/ul  
RT: 21.621 min Scan# 3134  
Delta R.T. 0.000 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

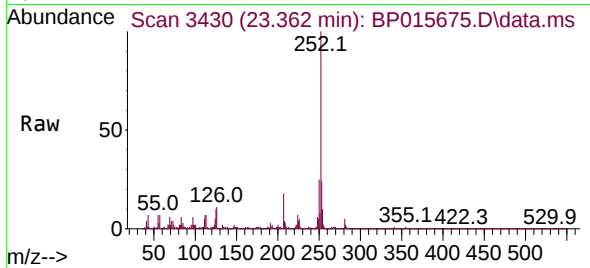
Tgt Ion:228 Resp: 885646  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.9 35.9  
229 22.6 15.1 22.7





#90  
Benzo(b)fluoranthene  
Concen: 31.120 ng/ul  
RT: 23.362 min Scan# 3429  
Delta R.T. 0.018 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

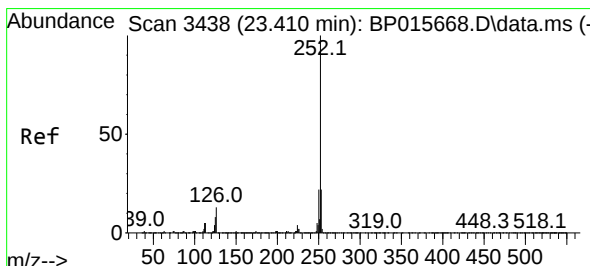
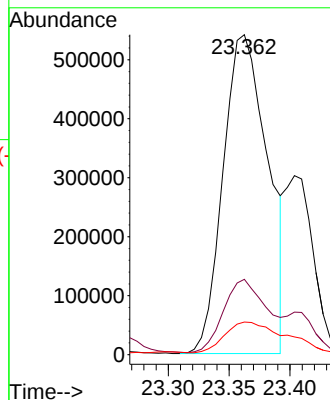
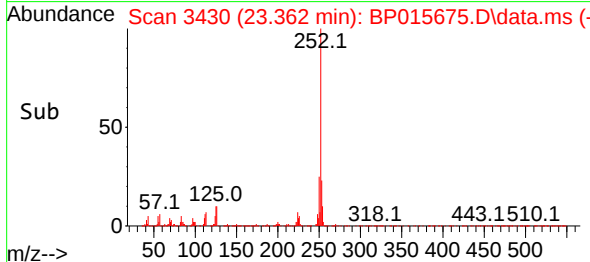
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM9



Tgt Ion:252 Resp: 1379660  
Ion Ratio Lower Upper  
252 100  
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125 10.2 7.3 10.9

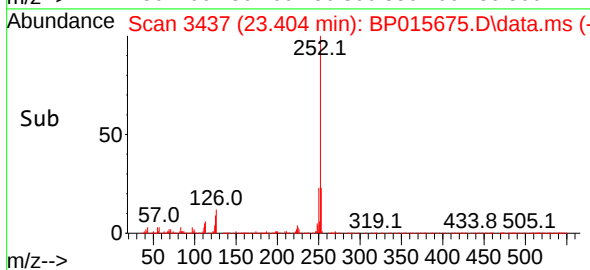
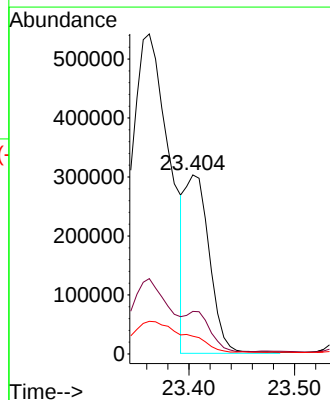
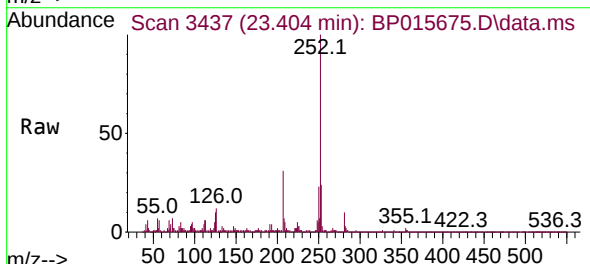
Manual Integrations  
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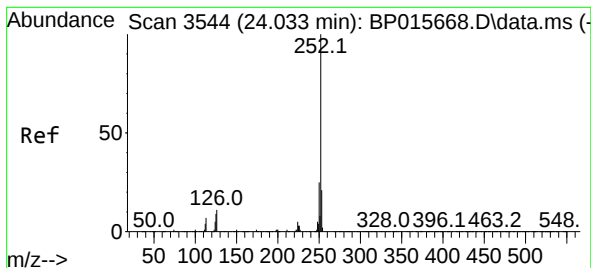
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023



#91  
Benzo(k)fluoranthene  
Concen: 11.341 ng/ul m  
RT: 23.404 min Scan# 3437  
Delta R.T. 0.006 min  
Lab File: BP015675.D  
Acq: 23 Jun 2023 17:12

Tgt Ion:252 Resp: 486012  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.7 26.5  
125 9.9 7.3 10.9





#93

Benzo(a)pyrene

Concen: 22.889 ng/ul

RT: 24.033 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP015675.D

Acq: 23 Jun 2023 17:12

Instrument :

BNA\_P

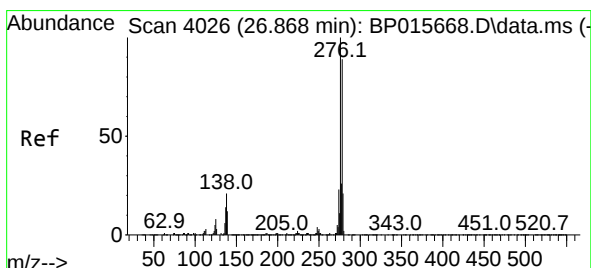
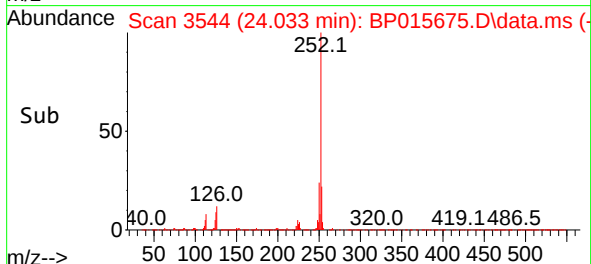
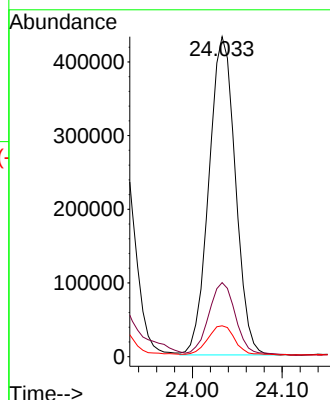
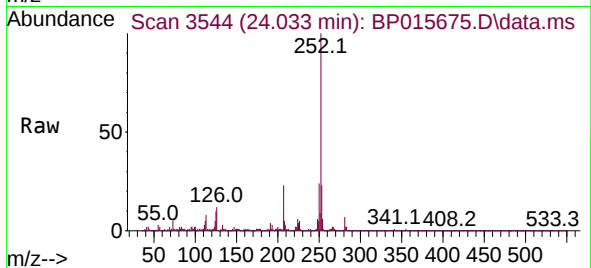
ClientSampleId :

DCFM9

Tgt Ion:252 Resp: 884702  
 Ion Ratio Lower Upper  
 252 100  
 253 23.2 17.8 26.6  
 125 9.7 8.1 12.1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023  
 Supervised By :mohammad ahmed 06/27/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.621 ng/ul

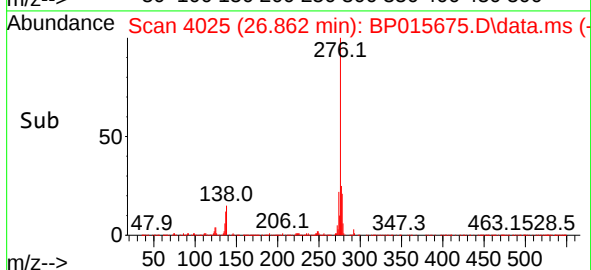
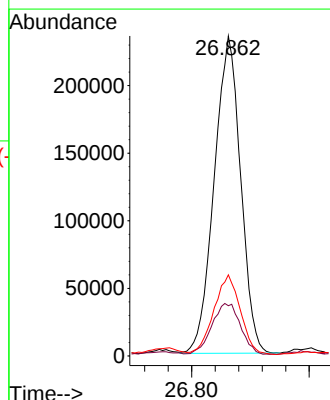
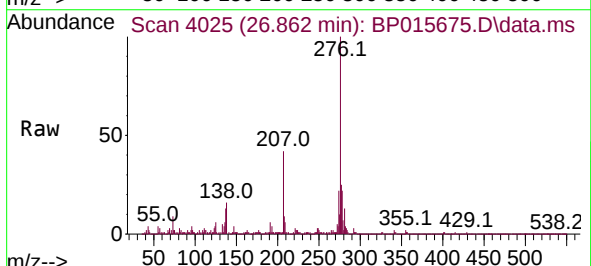
RT: 26.862 min Scan# 4025

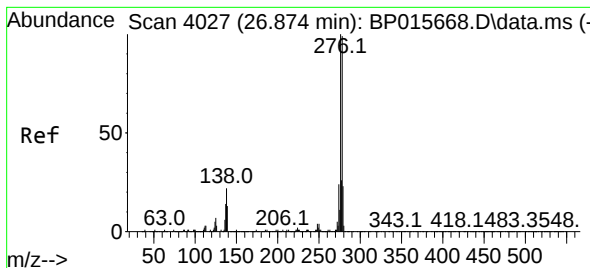
Delta R.T. 0.024 min

Lab File: BP015675.D

Acq: 23 Jun 2023 17:12

Tgt Ion:276 Resp: 731396  
 Ion Ratio Lower Upper  
 276 100  
 138 15.7 17.3 25.9#  
 277 25.3 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 4.954 ng/ul

RT: 26.862 min Scan# 4027

Delta R.T. 0.012 min

Lab File: BP015675.D

Acq: 23 Jun 2023 17:12

Instrument :

BNP\_P

ClientSampleId :

DCFM9

Tgt Ion:278 Resp: 201874

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0

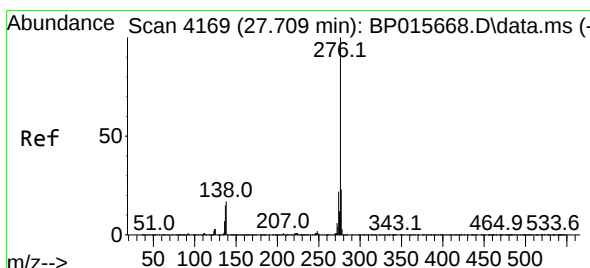
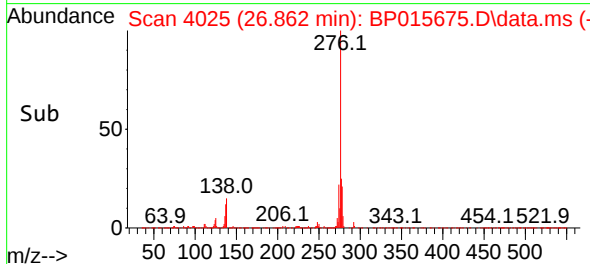
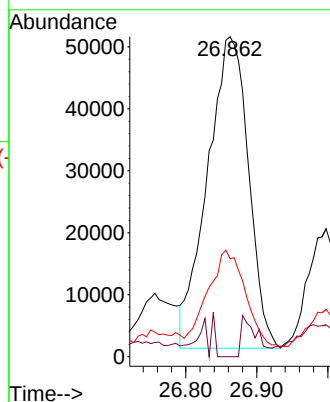
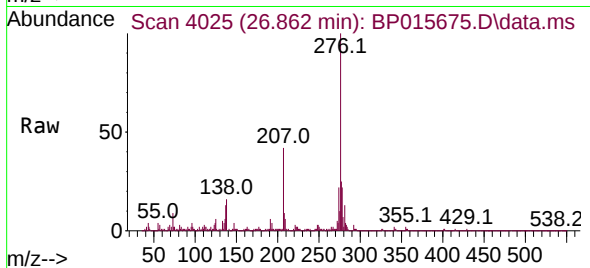
279 30.7 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#96

Benzo(g,h,i)perylene

Concen: 15.607 ng/ul

RT: 27.703 min Scan# 4168

Delta R.T. 0.024 min

Lab File: BP015675.D

Acq: 23 Jun 2023 17:12

Tgt Ion:276 Resp: 643395

Ion Ratio Lower Upper

276 100

138 18.8 15.6 23.4

277 23.6 19.0 28.6

