

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062621\  
 Data File : BN015075.D  
 Acq On : 25 Jun 2021 13:31  
 Operator : CG/JU  
 Sample : M2682-03DL 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDH2DL

Manual Integrations  
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Quant Time: Jun 25 14:06:36 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061821MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 24 14:43:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 159563   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.499 | 136  | 660835   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.351 | 164  | 395953   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 800906   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.298 | 240  | 761721   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.545 | 264  | 805301   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 4316     | 1.052  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.687  | 84   | 29003    | 2.623  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.893  | 99   | 74306    | 5.365  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.064  | 67   | 46161    | 5.676  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.264  | 132  | 59057    | 5.624  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.416  | 113  | 54658    | 5.114  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.869  | 128  | 25426    | 5.625  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 22785    | 5.658  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.116 | 165  | 50937    | 5.359  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.628 | 131  | 51642    | 3.506  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.757 | 166  | 161914   | 5.955  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.040 | 160  | 202169   | 5.728  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 13971    | 2.946  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 150813   | 6.376  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 200  | 7020     | 2.122  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.198 | 188  | 243690   | 6.648  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.498 | 212  | 240697   | 6.029  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.398 | 264  | 181338   | 4.561  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.069 | 152  | 74545    | 2.238  | ng/u1  | 97       |
| 52) Acenaphthene              | 14.416 | 153  | 37952    | 1.620  | ng/u1  | 97       |
| 61) Fluorene                  | 15.404 | 166  | 28835    | 1.107  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.139 | 178  | 653143   | 15.451 | ng/u1  | 99       |
| 74) Anthracene                | 17.228 | 178  | 296506   | 6.833  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.163 | 202  | 2257579  | 46.843 | ng/u1  | 99       |
| 82) Pyrene                    | 19.528 | 202  | 1578530  | 31.424 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 1210902m | 25.702 | ng/u1  |          |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 37642    | 1.313  | ng/u1  | 98       |
| 87) Chrysene                  | 21.333 | 228  | 884201   | 19.058 | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 22.874 | 252  | 1131110  | 23.325 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 22.910 | 252  | 339063m  | 6.908  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.445 | 252  | 485880   | 11.023 | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.798 | 276  | 314023   | 5.872  | ng/u1  | 95       |
| 95) Dibenzo(a,h)anthracene    | 25.804 | 278  | 114220   | 2.577  | ng/u1  | 91       |
| -----                         |        |      |          |        |        |          |

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

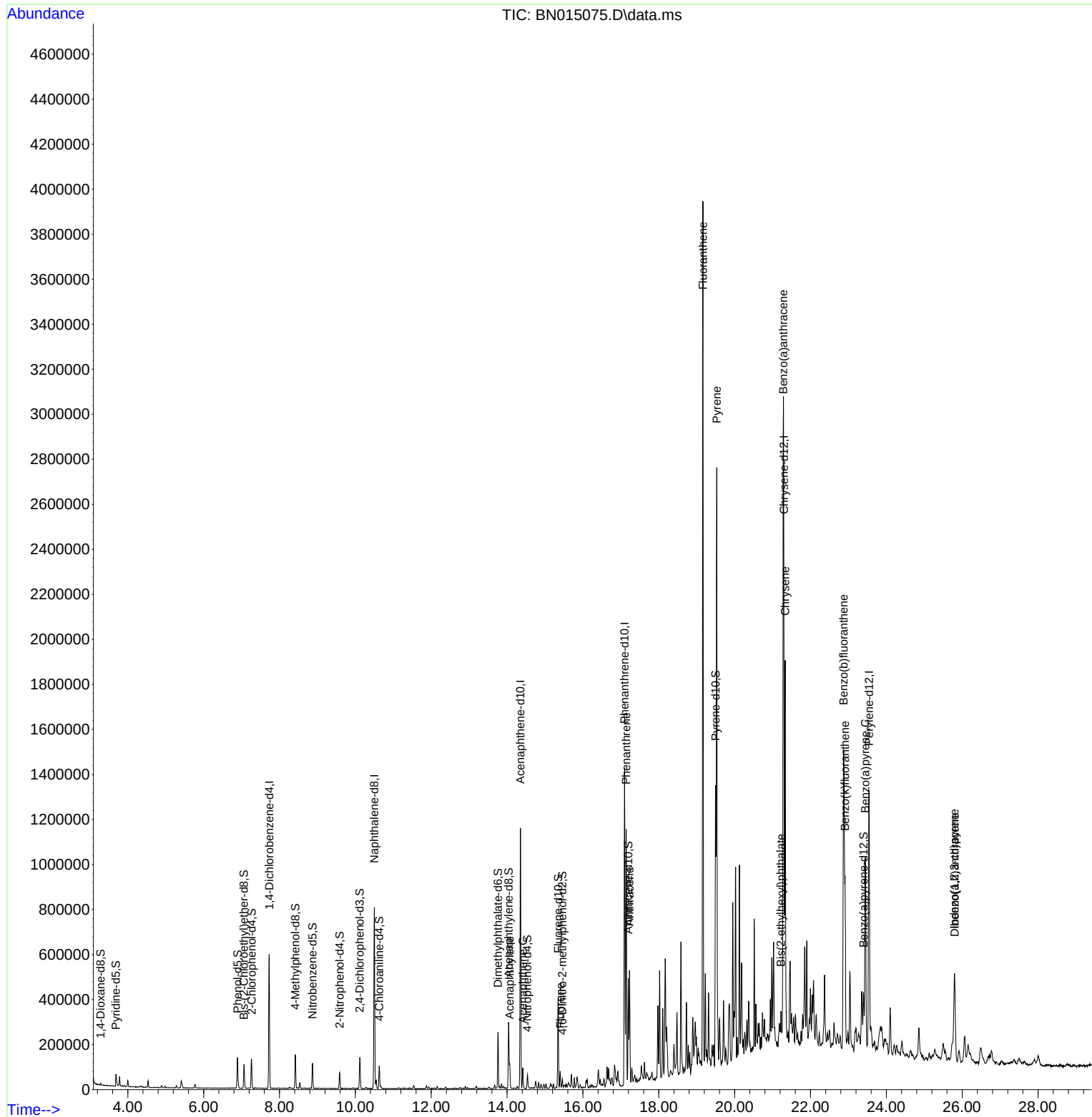
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062621\  
Data File : BN015075.D  
Acq On : 25 Jun 2021 13:31  
Operator : CG/JU  
Sample : M2682-03DL 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

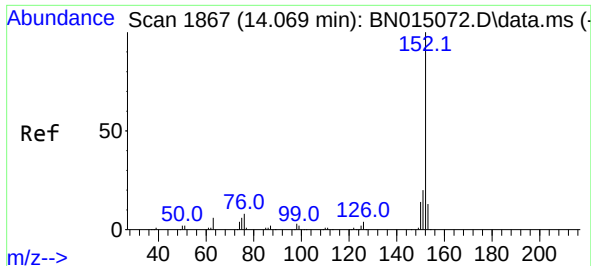
Instrument :  
BNA\_N  
ClientSampleId :  
BGDH2DL

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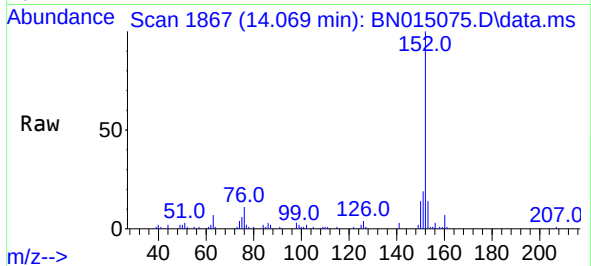
Quant Time: Jun 25 14:06:36 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN061821MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 24 14:43:13 2021  
Response via : Initial Calibration





#50  
Acenaphthylene  
Concen: 2.238 ng/u1  
RT: 14.069 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

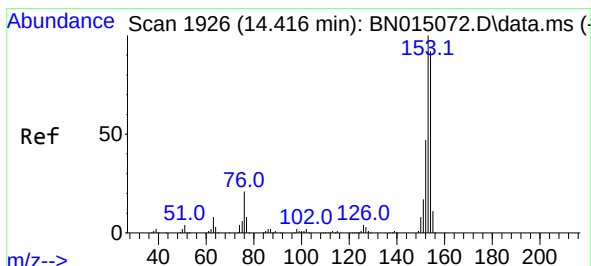
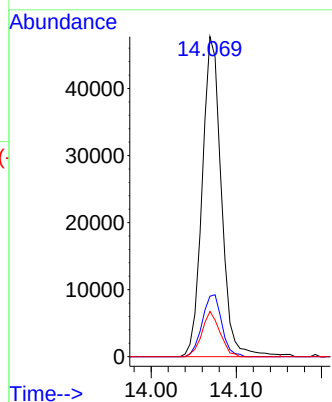
Instrument :  
BNA\_N  
ClientSampleId :  
BGDH2DL



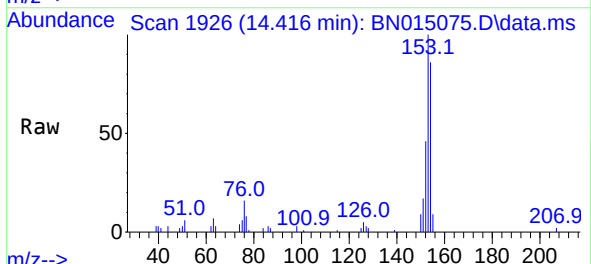
Tgt Ion:152 Resp: 74545  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.9 23.9  
153 14.1 10.0 15.0

Manual Integrations  
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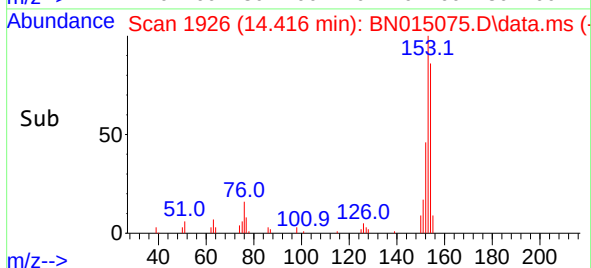
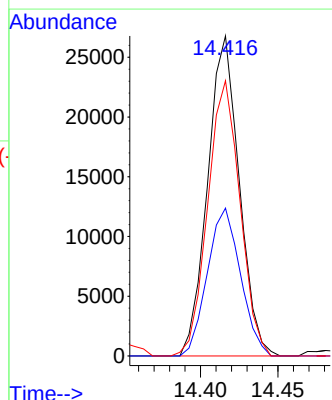
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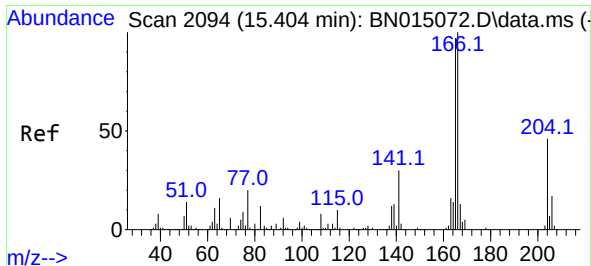


#52  
Acenaphthene  
Concen: 1.620 ng/u1  
RT: 14.416 min Scan# 1926  
Delta R.T. 0.000 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

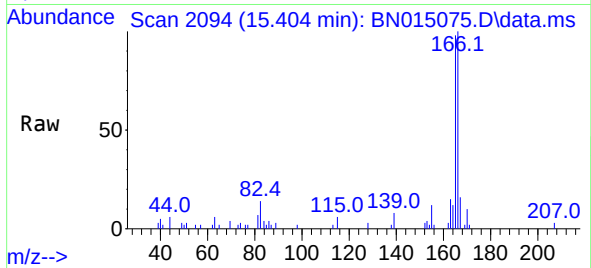


Tgt Ion:153 Resp: 37952  
Ion Ratio Lower Upper  
153 100  
152 46.2 37.6 56.4  
154 86.0 71.6 107.4

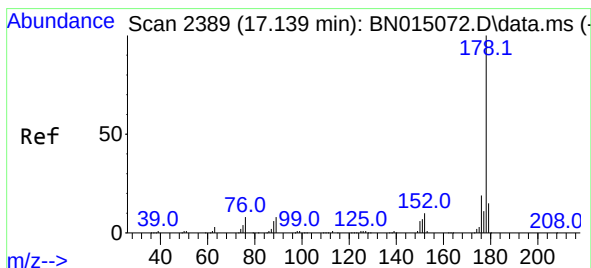
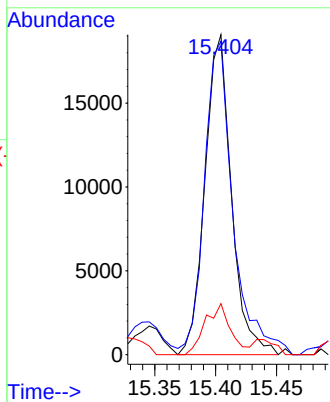
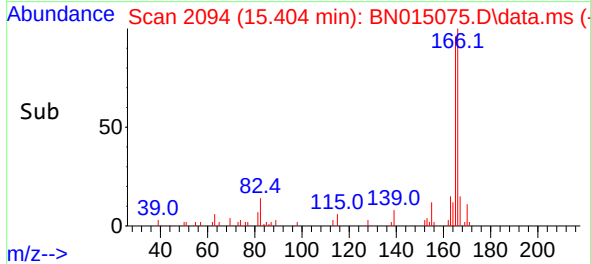




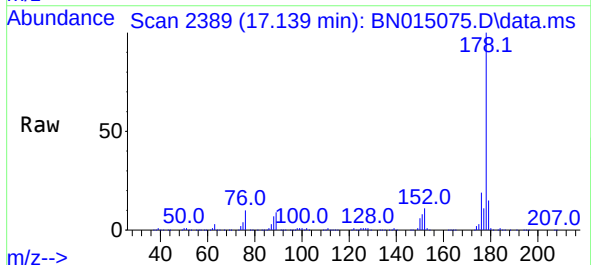
#61  
Fluorene  
Concen: 1.107 ng/ul  
RT: 15.404 min Scan# 2094  
Delta R.T. 0.000 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31



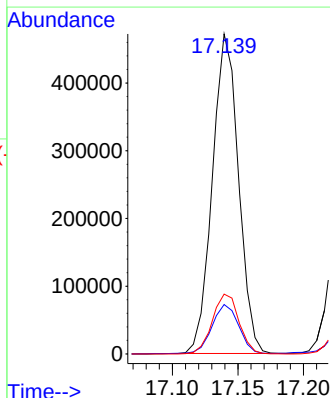
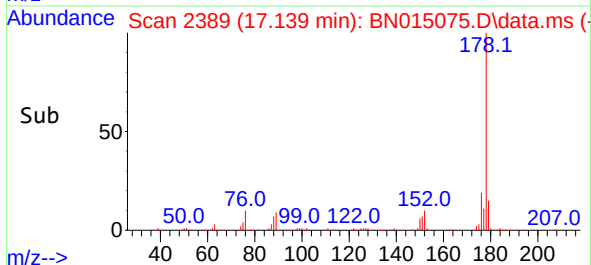
Tgt Ion:166 Resp: 28835  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.2 117.4  
167 15.9 11.0 16.4



#72  
Phenanthrene  
Concen: 15.451 ng/ul  
RT: 17.139 min Scan# 2389  
Delta R.T. 0.000 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31



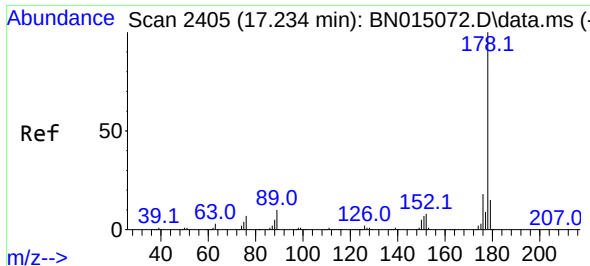
Tgt Ion:178 Resp: 653143  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.2 18.2  
176 18.7 15.4 23.2



Instrument :  
BNA\_N  
ClientSampleID :  
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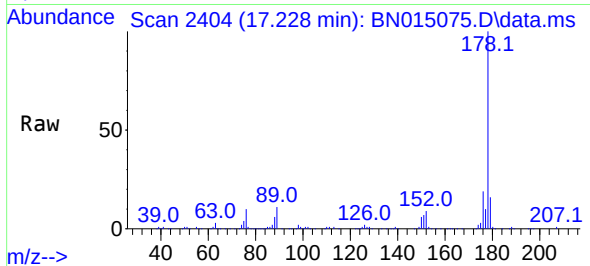
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#74  
 Anthracene  
 Concen: 6.833 ng/u1  
 RT: 17.228 min Scan# 2404  
 Delta R.T. -0.006 min  
 Lab File: BN015075.D  
 Acq: 25 Jun 2021 13:31

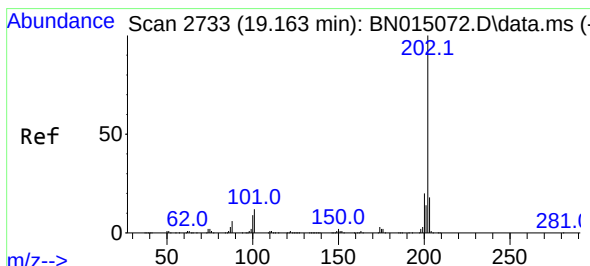
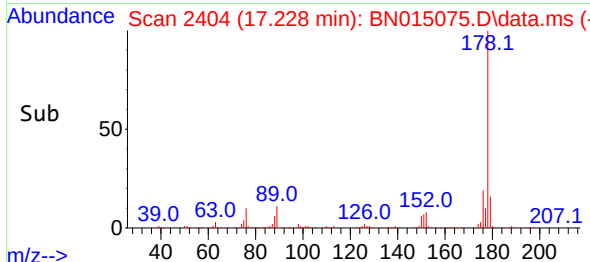
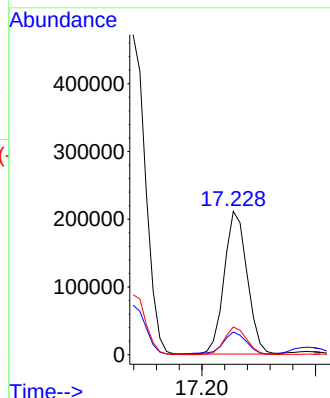
Instrument :  
 BNA\_N  
 ClientSampleID :  
 BGDH2DL



Tgt Ion:178 Resp: 296506  
 Ion Ratio Lower Upper  
 178 100  
 179 15.8 11.6 17.4  
 176 19.3 14.6 21.8

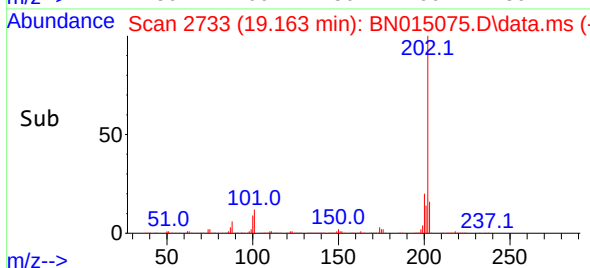
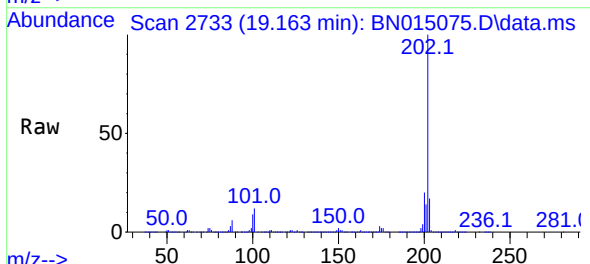
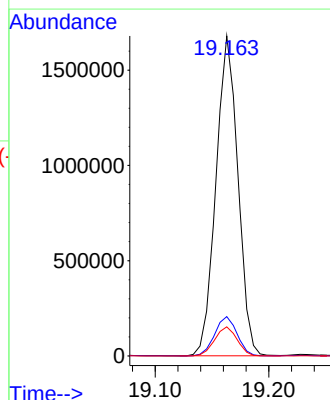
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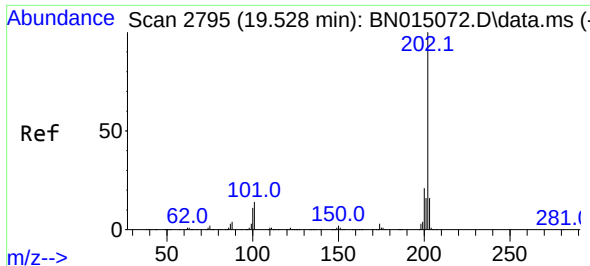
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#80  
 Fluoranthene  
 Concen: 46.843 ng/u1  
 RT: 19.163 min Scan# 2733  
 Delta R.T. 0.000 min  
 Lab File: BN015075.D  
 Acq: 25 Jun 2021 13:31

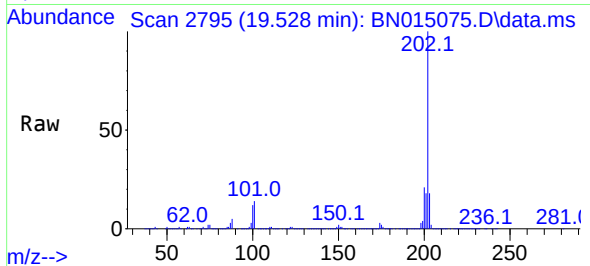
Tgt Ion:202 Resp: 2257579  
 Ion Ratio Lower Upper  
 202 100  
 101 12.3 9.5 14.3  
 100 9.1 7.4 11.2





#82  
Pyrene  
Concen: 31.424 ng/ul  
RT: 19.528 min Scan# 2795  
Delta R.T. 0.000 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

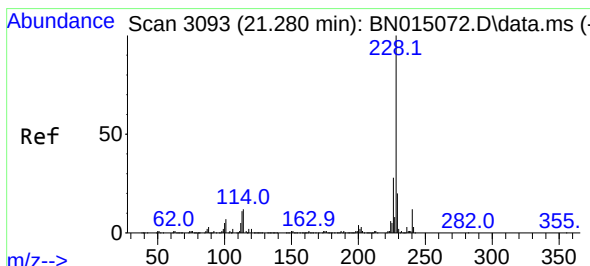
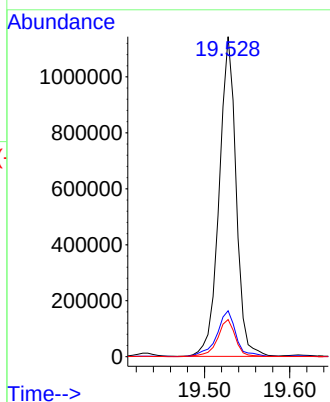
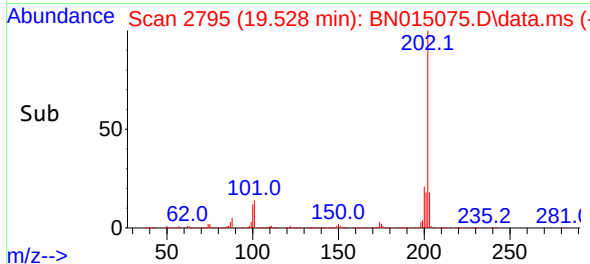
Instrument :  
BNA\_N  
ClientSampleId :  
BGDH2DL



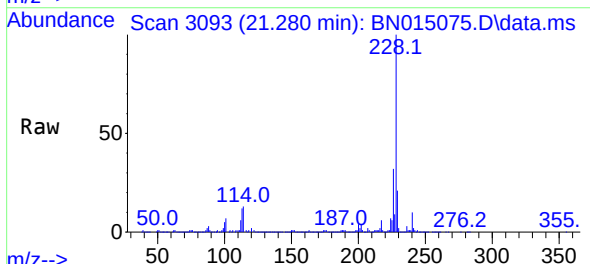
Tgt Ion:202 Resp: 1578530  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.6 17.4  
100 11.6 9.2 13.8

Manual Integrations  
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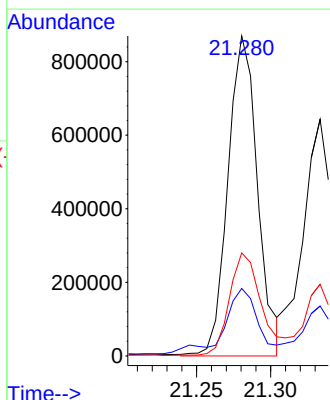
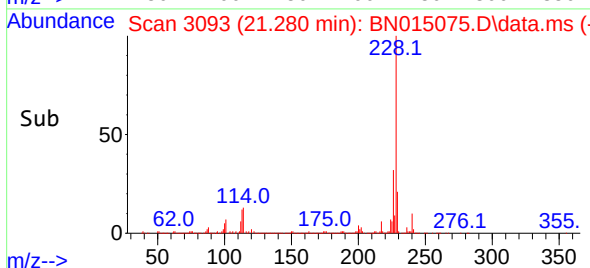
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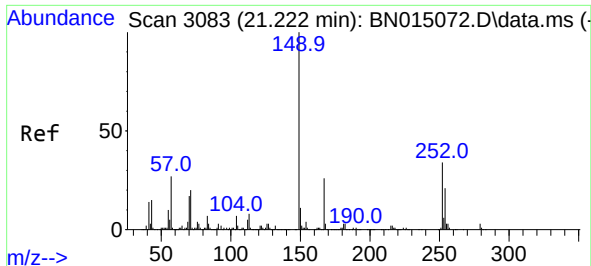


#85  
Benzo(a)anthracene  
Concen: 25.702 ng/ul m  
RT: 21.280 min Scan# 3093  
Delta R.T. -0.006 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

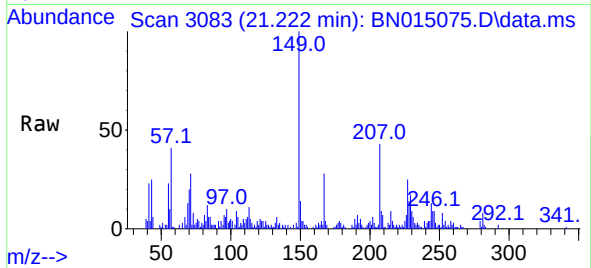


Tgt Ion:228 Resp: 1210902  
Ion Ratio Lower Upper  
228 100  
229 21.1 14.8 22.2  
226 32.2 20.2 30.4#



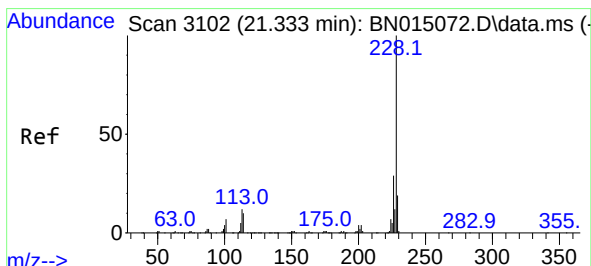
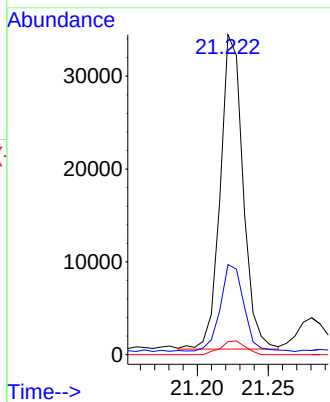
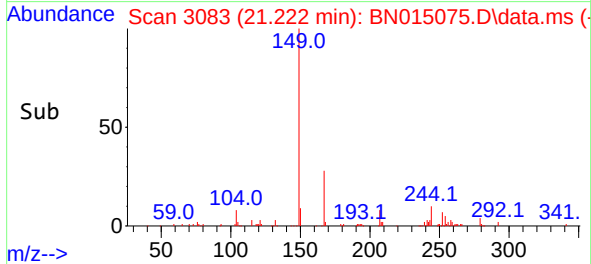


#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.313 ng/ul  
 RT: 21.222 min Scan# 3083  
 Delta R.T. -0.006 min  
 Lab File: BN015075.D  
 Acq: 25 Jun 2021 13:31

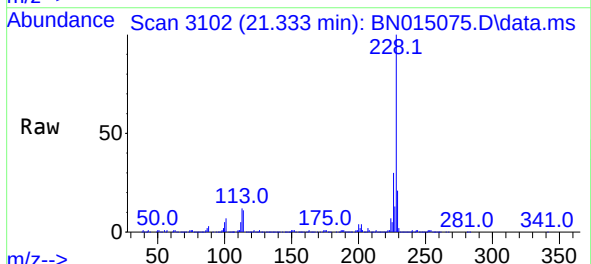


Tgt Ion:149 Resp: 37642  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.2  | 23.4  | 35.0  |
| 279 | 4.1   | 3.4   | 5.2   |

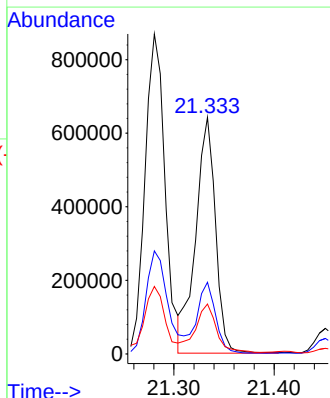
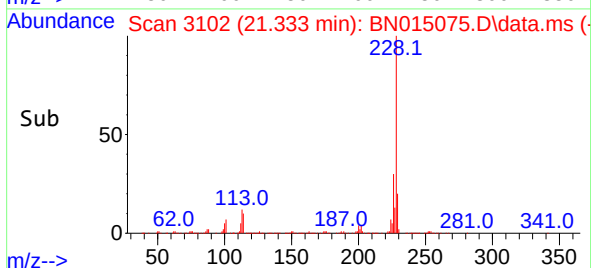


#87  
 Chrysene  
 Concen: 19.058 ng/ul  
 RT: 21.333 min Scan# 3102  
 Delta R.T. 0.000 min  
 Lab File: BN015075.D  
 Acq: 25 Jun 2021 13:31



Tgt Ion:228 Resp: 884201  

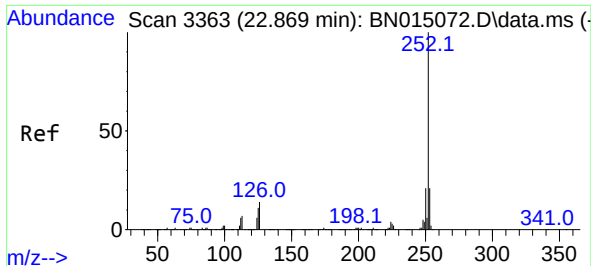
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.3  | 22.6  | 33.8  |
| 229 | 21.1  | 15.5  | 23.3  |



Instrument :  
 BNA\_N  
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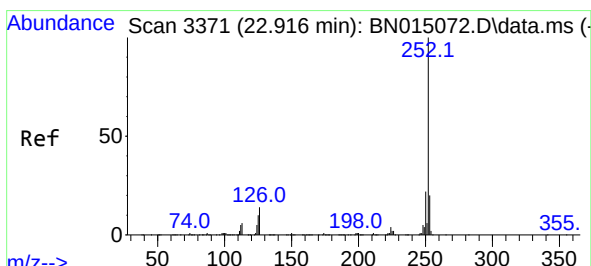
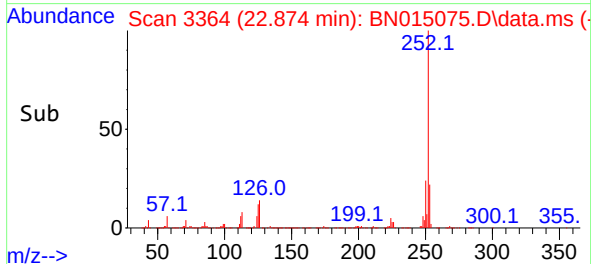
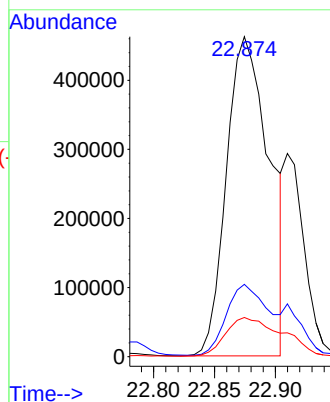
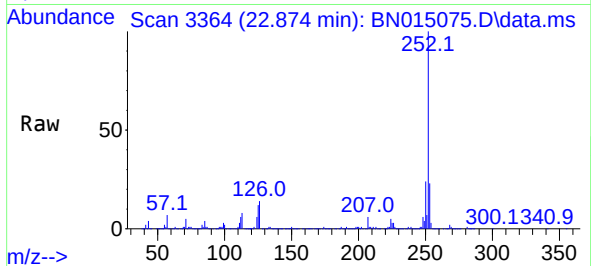
#90  
Benzo(b)fluoranthene  
Concen: 23.325 ng/ul  
RT: 22.874 min Scan# 3364  
Delta R.T. 0.006 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

Instrument :  
BNA\_N  
ClientSampled :  
BGDH2DL

Tgt Ion:252 Resp: 1131110  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 12.2 9.4 14.0

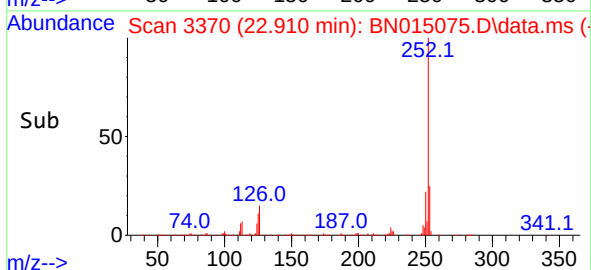
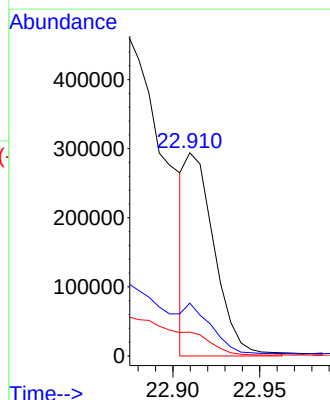
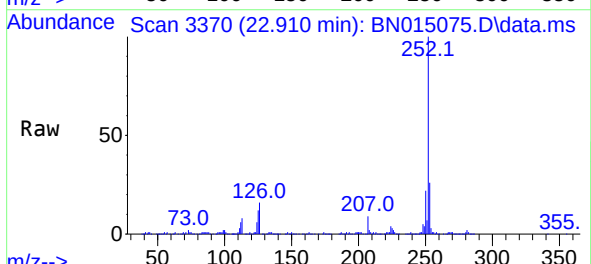
Manual Integrations  
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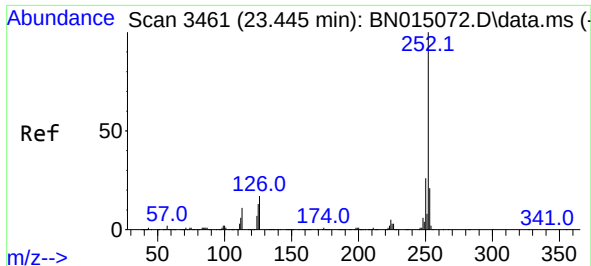


#91  
Benzo(k)fluoranthene  
Concen: 6.908 ng/ul m  
RT: 22.910 min Scan# 3370  
Delta R.T. -0.006 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

Tgt Ion:252 Resp: 339063  
Ion Ratio Lower Upper  
252 100  
253 26.0 18.0 27.0  
125 11.8 8.8 13.2

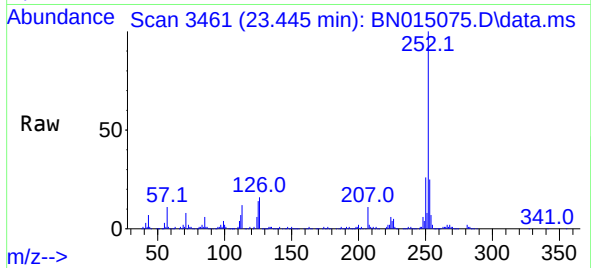






#93  
Benzo(a)pyrene  
Concen: 11.023 ng/ul  
RT: 23.445 min Scan# 3461  
Delta R.T. 0.000 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

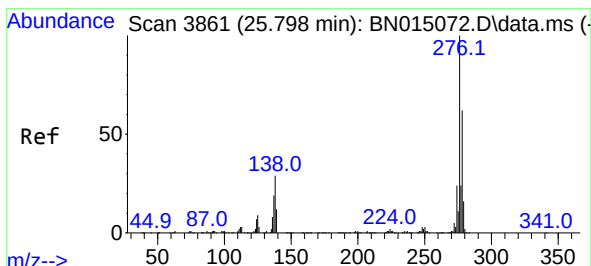
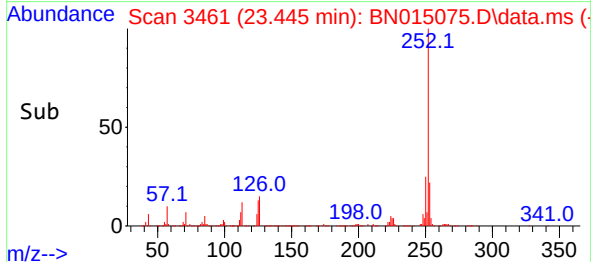
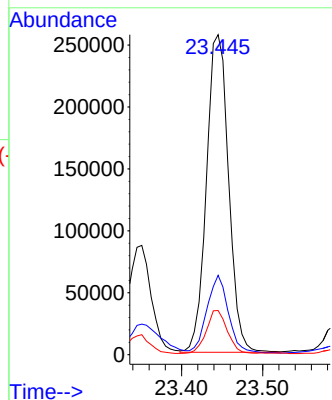
Instrument :  
BNA\_N  
ClientSampleID :  
BGDH2DL



Tgt Ion:252 Resp: 485880  
Ion Ratio Lower Upper  
252 100  
253 24.8 16.4 24.6#  
125 13.8 9.3 13.9

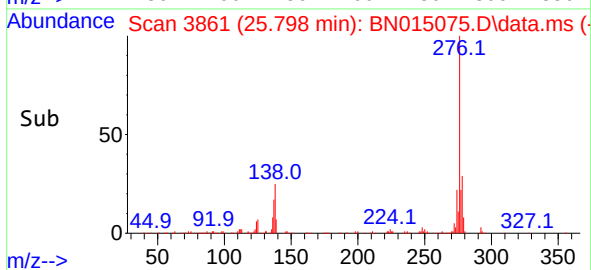
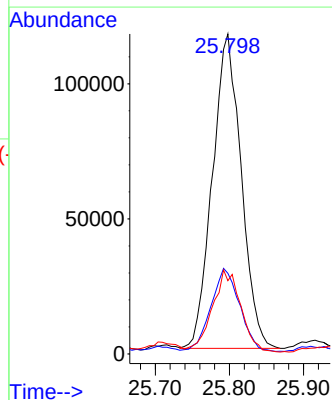
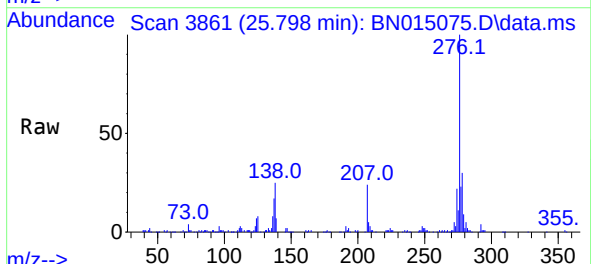
Manual Integrations  
APPROVED

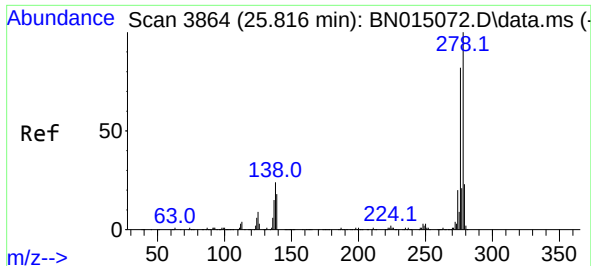
mohammad  
6/28/2021 1:24:52 PM



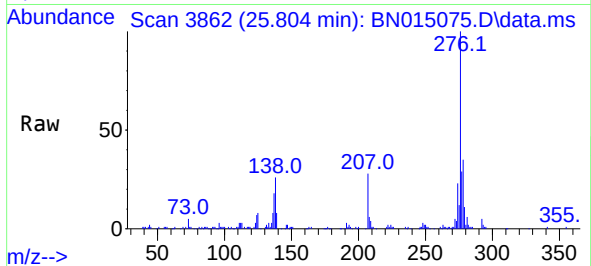
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 5.872 ng/ul  
RT: 25.798 min Scan# 3861  
Delta R.T. -0.006 min  
Lab File: BN015075.D  
Acq: 25 Jun 2021 13:31

Tgt Ion:276 Resp: 314023  
Ion Ratio Lower Upper  
276 100  
138 31.9 23.0 34.4  
277 22.9 19.5 29.3

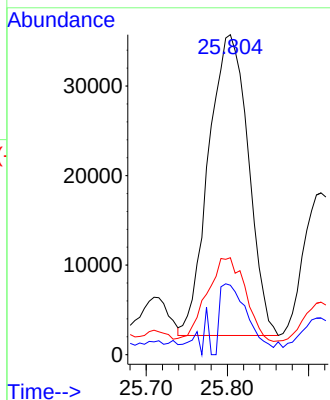
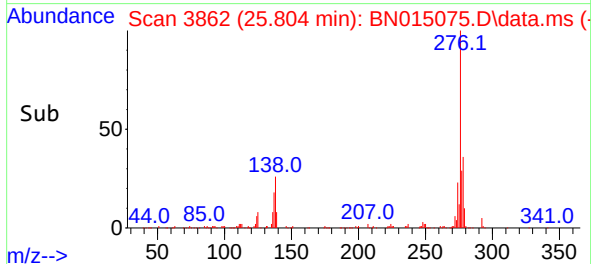




#95  
 Dibenzo(a,h)anthracene  
 Concen: 2.577 ng/ul  
 RT: 25.804 min Scan# 3862  
 Delta R.T. -0.017 min  
 Lab File: BN015075.D  
 Acq: 25 Jun 2021 13:31



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 114220 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 21.7  | 14.8  | 22.2   |
| 279       | 30.3  | 20.2  | 30.4   |



Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDH2DL

Manual Integrations  
 APPROVED

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