

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090121\  
 Data File : BN016129.D  
 Acq On : 01 Sep 2021 16:21  
 Operator : CG/JU  
 Sample : M3458-14DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AW4DL

Manual Integrations  
 APPROVED

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Quant Time: Sep 01 16:52:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 01 12:00:46 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.867  | 152  | 4004     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.661 | 136  | 16340    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.502 | 164  | 9328     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.251 | 188  | 18521    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.439 | 240  | 16683    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.833 | 264  | 15983    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.319  | 96   | 2450     | 0.526 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.256 | 152  | 902      | 0.039 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.281 | 212  | 2016     | 0.045 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.716 | 128  | 7773     | 0.179 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.327 | 142  | 2825     | 0.100 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.547 | 142  | 2598     | 0.092 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.224 | 152  | 7645     | 0.217 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.566 | 153  | 3303     | 0.112 | ng/ul  | 98       |
| 12) Fluorene                | 15.552 | 166  | 5619     | 0.166 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.293 | 178  | 140190   | 2.626 | ng/ul  | 98       |
| 16) Anthracene              | 17.381 | 178  | 31849    | 0.691 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.308 | 202  | 184582   | 3.322 | ng/ul  | 99       |
| 20) Pyrene                  | 19.671 | 202  | 137594   | 2.445 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.425 | 228  | 84439    | 1.655 | ng/ul  | 96       |
| 22) Chrysene                | 21.474 | 228  | 84843m   | 1.472 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.108 | 252  | 118514m  | 1.971 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.149 | 252  | 43625m   | 0.721 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.728 | 252  | 65725    | 1.288 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.310 | 276  | 56187    | 0.852 | ng/ul  | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.320 | 278  | 16920    | 0.312 | ng/ul# | 65       |
| 29) Benzo(g,h,i)perylene    | 27.075 | 276  | 9856     | 0.172 | ng/ul# | 53       |
| -----                       |        |      |          |       |        |          |

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

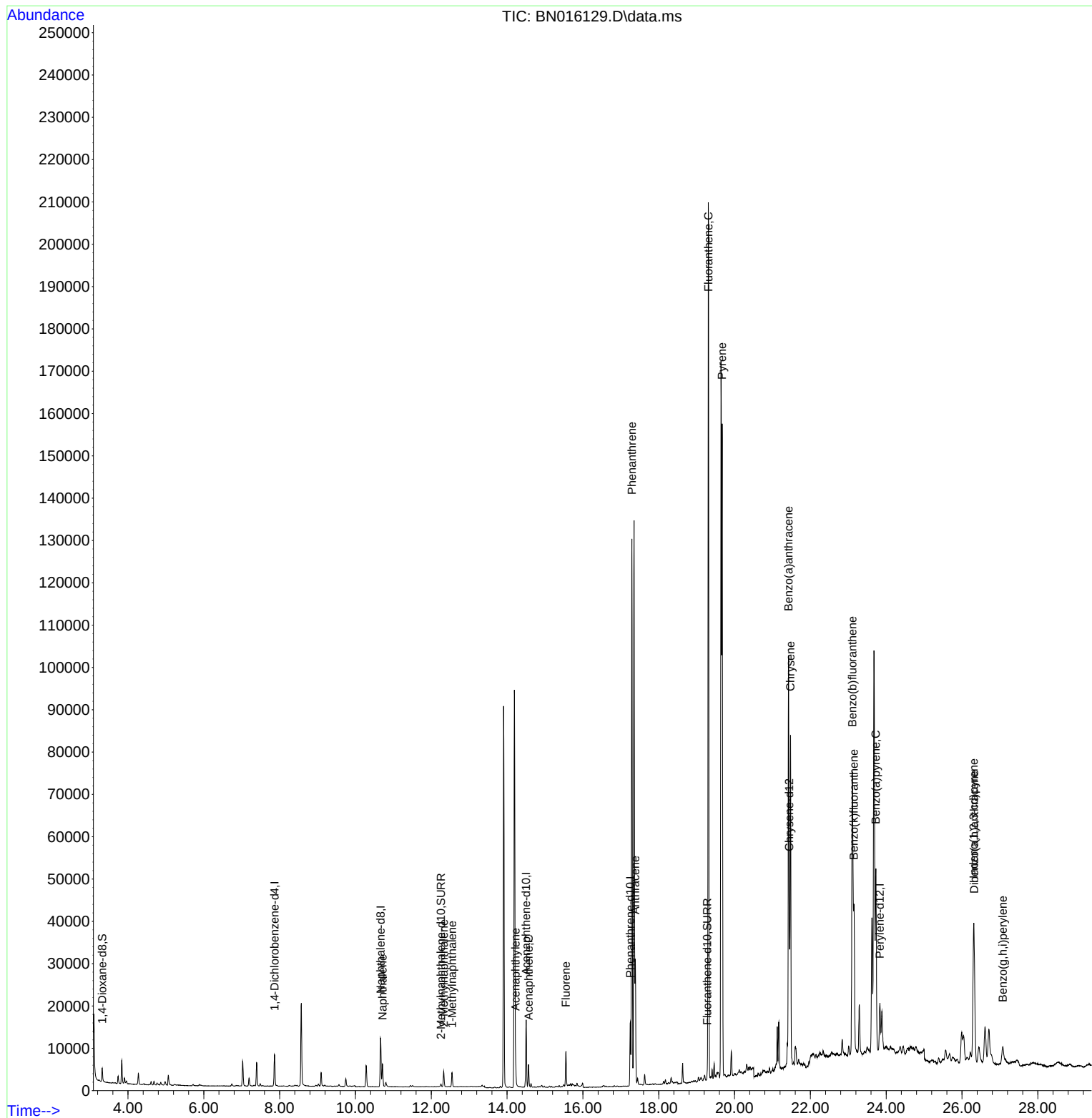
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Data File : BN016129.D  
Acq On : 01 Sep 2021 16:21  
Operator : CG/JU  
Sample : M3458-14DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

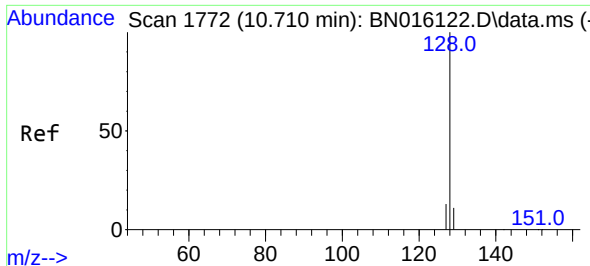
Instrument :  
BNA\_N  
ClientSampleId :  
C0AW4DL

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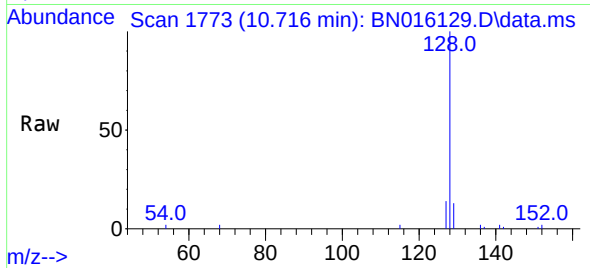
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Quant Time: Sep 01 16:52:13 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 01 12:00:46 2021  
Response via : Initial Calibration

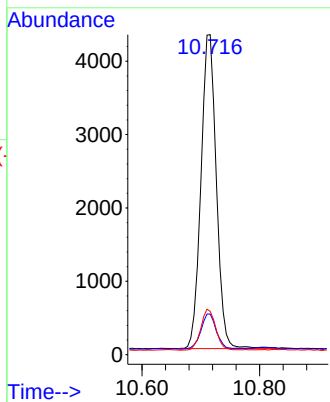
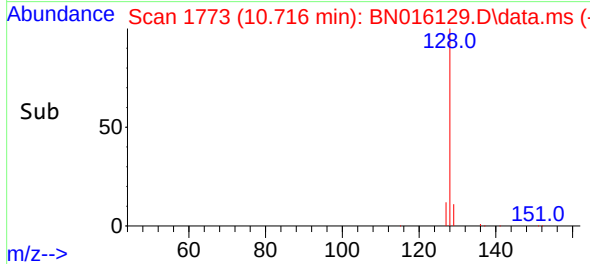




#5  
Naphthalene  
Concen: 0.179 ng/ul  
RT: 10.716 min Scan# 1773  
Delta R.T. 0.006 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



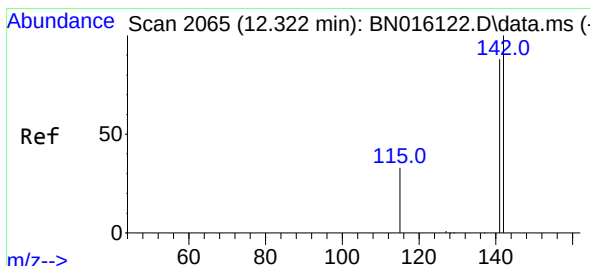
Tgt Ion:128 Resp: 7773  
Ion Ratio Lower Upper  
128 100  
129 12.7 9.4 14.2  
127 13.6 10.6 15.8



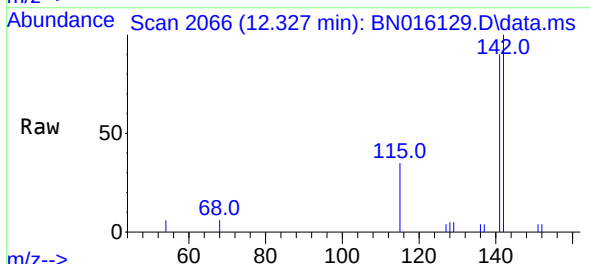
Instrument :  
BNA\_N  
ClientSampleId :  
C0AW4DL

Manual Integrations  
APPROVED

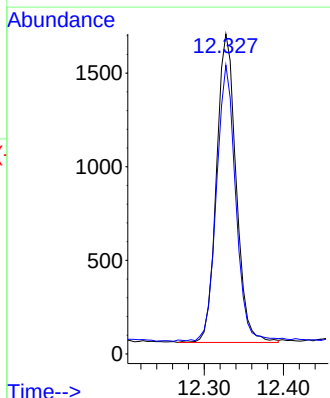
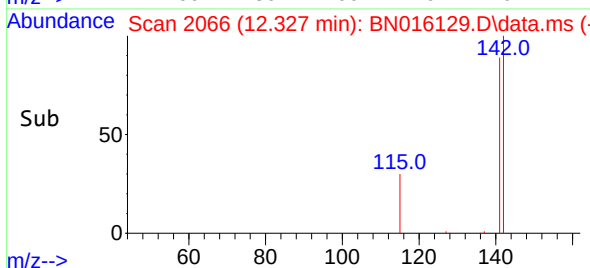
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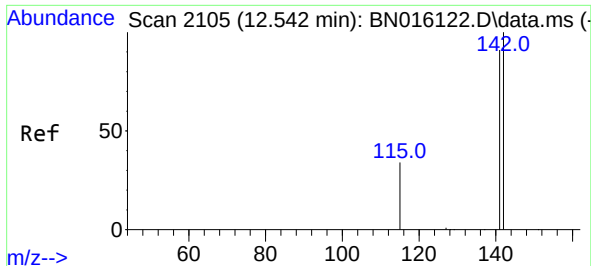


#7  
2-Methylnaphthalene  
Concen: 0.100 ng/ul  
RT: 12.327 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

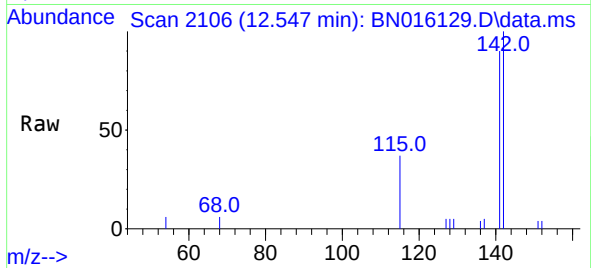


Tgt Ion:142 Resp: 2825  
Ion Ratio Lower Upper  
142 100  
141 86.9 69.5 104.3

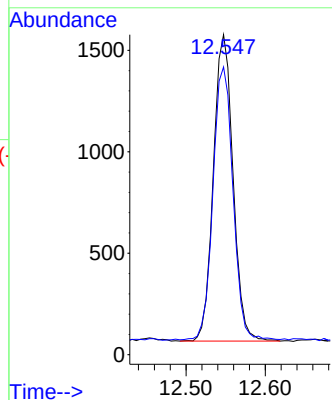




#8  
1-Methylnaphthalene  
Concen: 0.092 ng/ul  
RT: 12.547 min Scan# 2106  
Delta R.T. 0.006 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



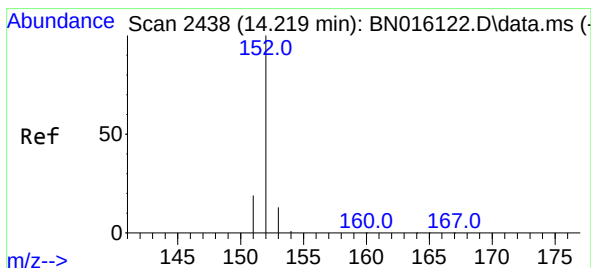
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Ion Ratio Lower Upper  
142 100  
141 90.3 72.2 108.4



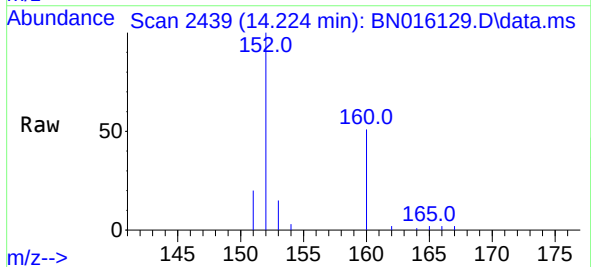
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ClientSampleId :  
C0AW4DL

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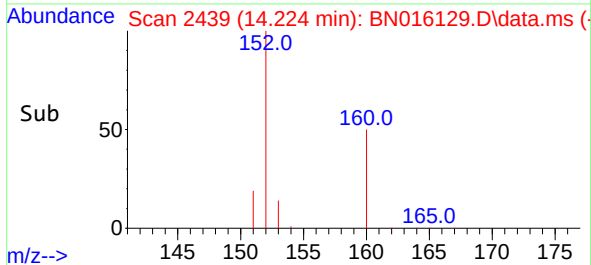
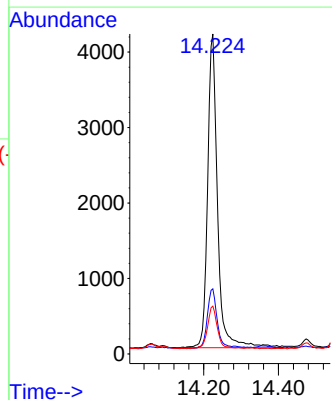
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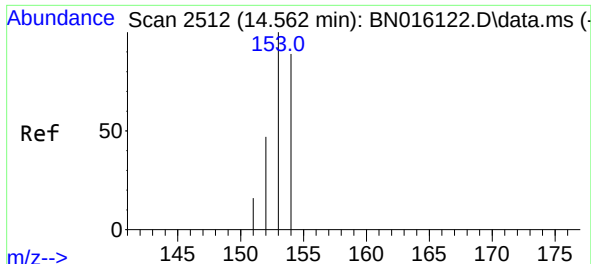


#10  
Acenaphthylene  
Concen: 0.217 ng/ul  
RT: 14.224 min Scan# 2439  
Delta R.T. 0.005 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



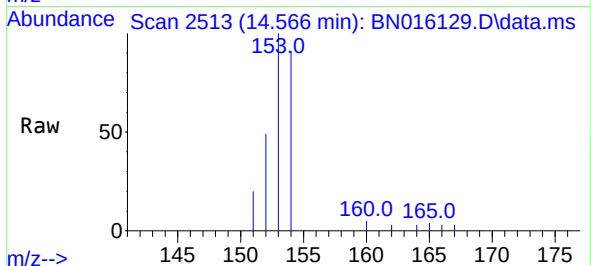
Tgt Ion:152 Resp: 7645  
Ion Ratio Lower Upper  
152 100  
151 20.4 15.8 23.6  
153 15.0 11.2 16.8



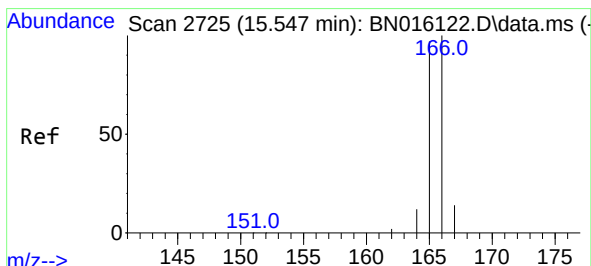
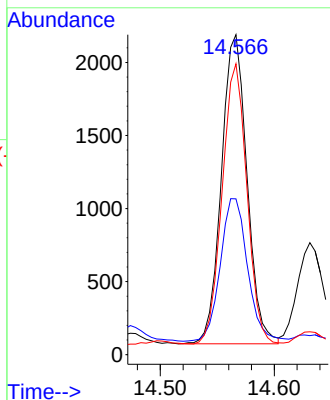
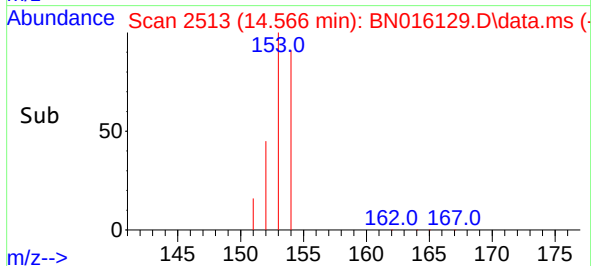


#11  
Acenaphthene  
Concen: 0.112 ng/u1  
RT: 14.566 min Scan# 2513  
Delta R.T. 0.005 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

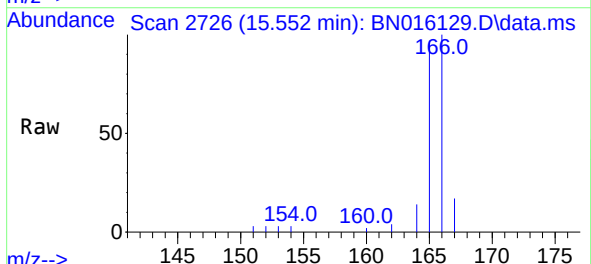
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BNA\_N  
ClientSampleId :  
C0AW4DL



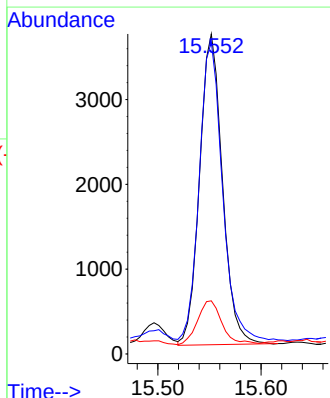
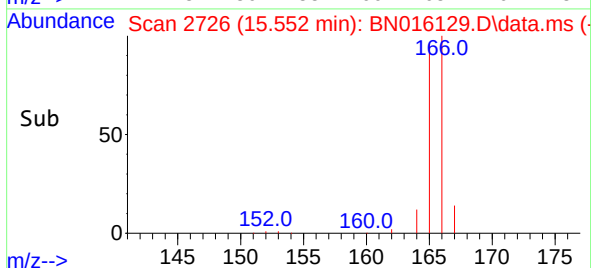
Tgt Ion:153 Resp: 3303  
Ion Ratio Lower Upper  
153 100  
152 48.7 38.5 57.7  
154 90.9 71.3 106.9

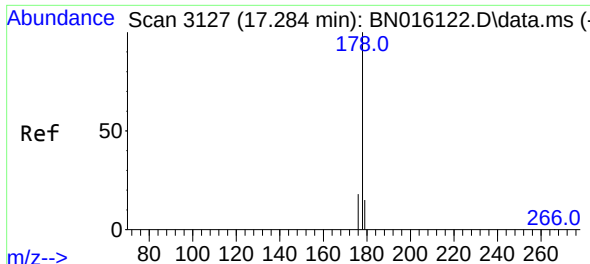


#12  
Fluorene  
Concen: 0.166 ng/u1  
RT: 15.552 min Scan# 2726  
Delta R.T. 0.005 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



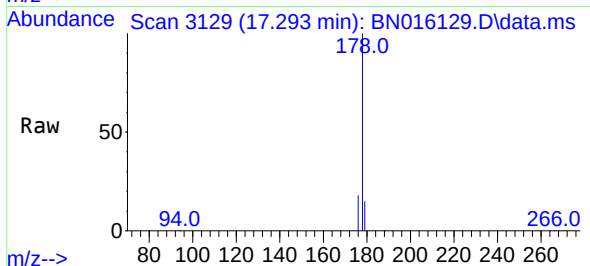
Tgt Ion:166 Resp: 5619  
Ion Ratio Lower Upper  
166 100  
165 97.4 77.9 116.9  
167 16.6 11.8 17.8





#15  
Phenanthrene  
Concen: 2.626 ng/ul  
RT: 17.293 min Scan# 3129  
Delta R.T. 0.009 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

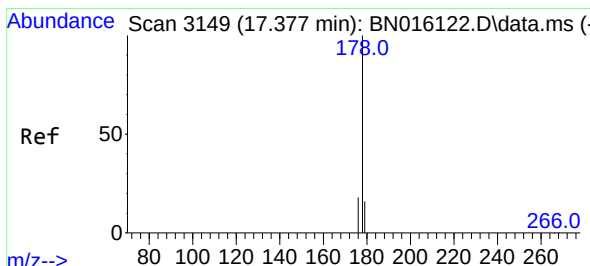
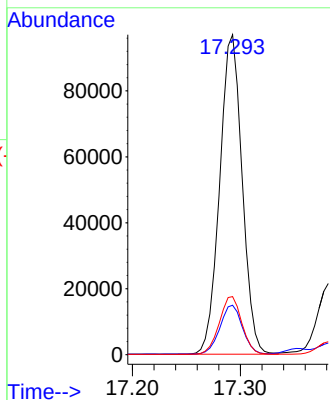
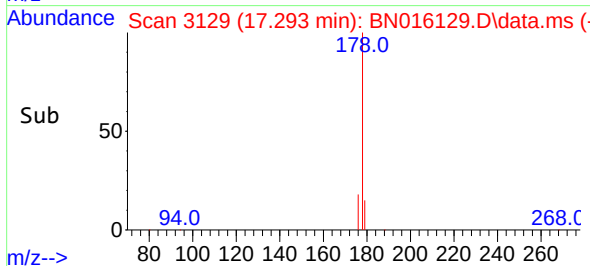
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BNA\_N  
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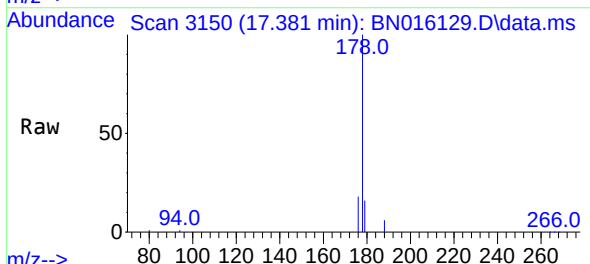
Tgt Ion:178 Resp: 140190  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.9 19.3  
176 18.2 15.2 22.8

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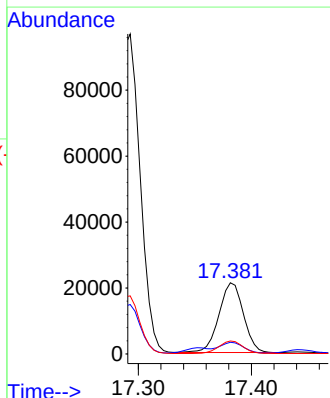
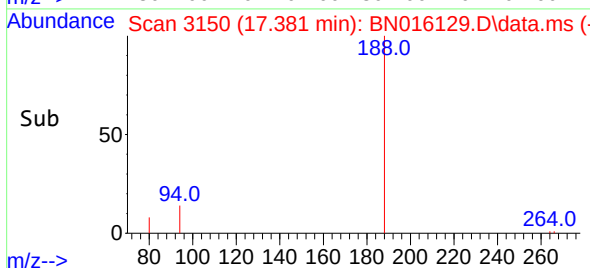
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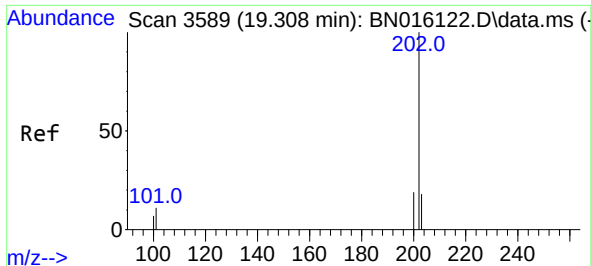


#16  
Anthracene  
Concen: 0.691 ng/ul  
RT: 17.381 min Scan# 3150  
Delta R.T. 0.004 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



Tgt Ion:178 Resp: 31849  
Ion Ratio Lower Upper  
178 100  
179 16.4 13.3 19.9  
176 18.1 14.9 22.3





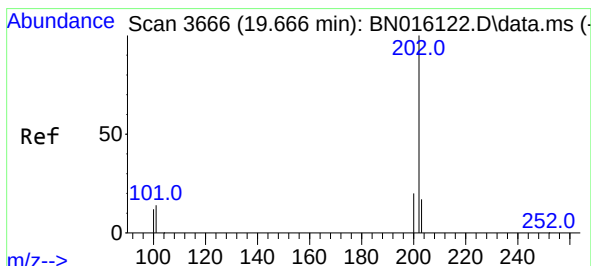
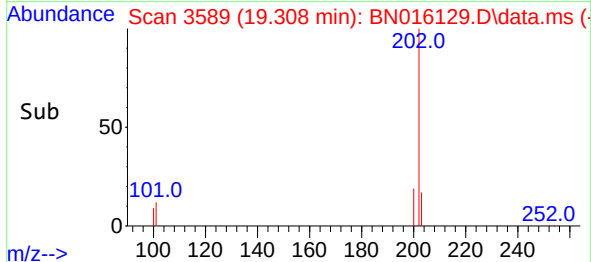
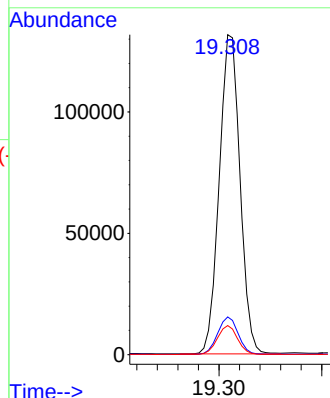
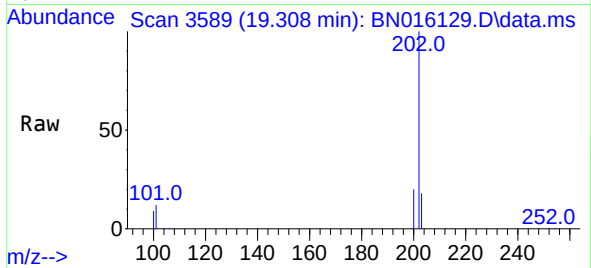
#19  
Fluoranthene  
Concen: 3.322 ng/u1  
RT: 19.308 min Scan# 3589  
Delta R.T. 0.000 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.8  | 9.2   | 13.8  |
| 100     | 9.1   | 6.7   | 10.1  |

Instrument :  
BNA\_N  
ClientSampleId :  
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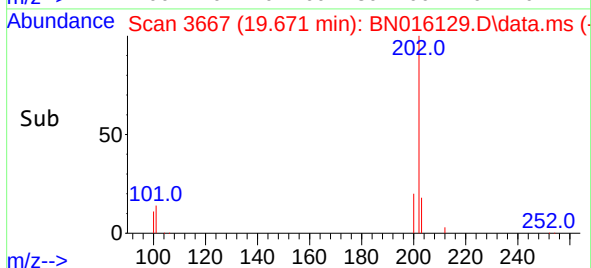
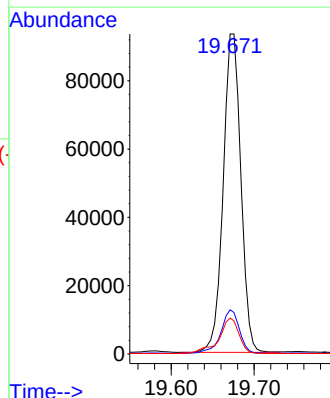
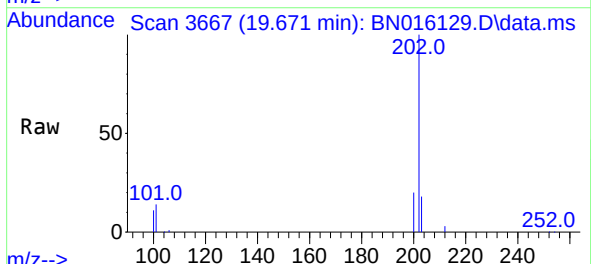
Manual Integrations  
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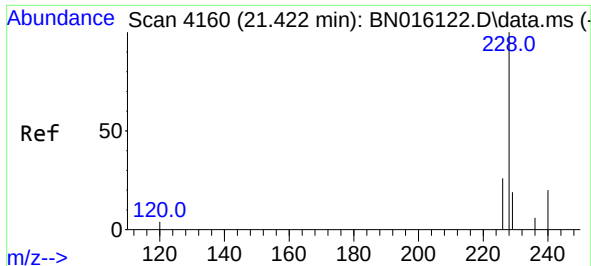
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#20  
Pyrene  
Concen: 2.445 ng/u1  
RT: 19.671 min Scan# 3667  
Delta R.T. 0.005 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.8  | 11.5  | 17.3  |
| 100     | 11.2  | 9.8   | 14.8  |





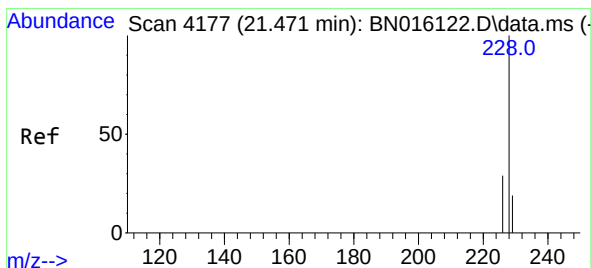
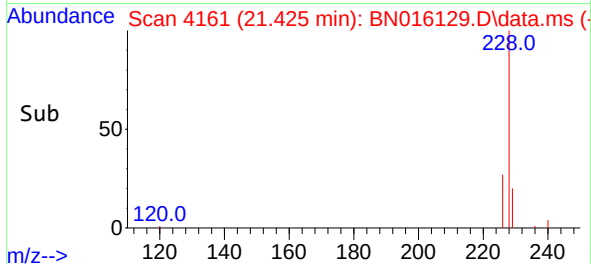
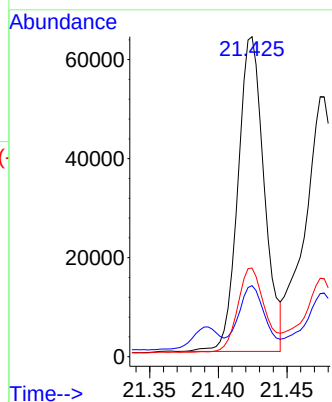
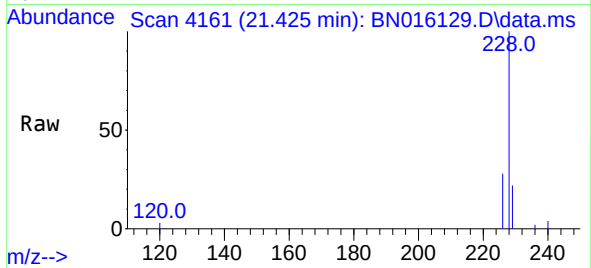
#21  
Benzo(a)anthracene  
Concen: 1.655 ng/ul  
RT: 21.425 min Scan# 4161  
Delta R.T. 0.003 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 84439     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 22.2  | 15.7 23.5 |
| 226         | 27.7  | 20.8 31.2 |

Instrument :  
BNA\_N  
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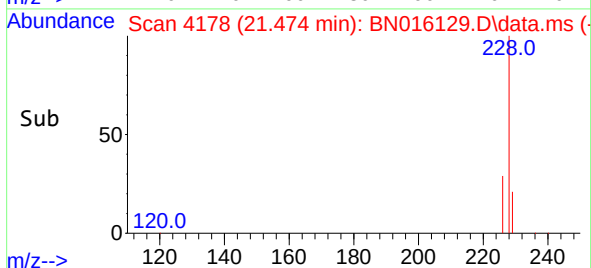
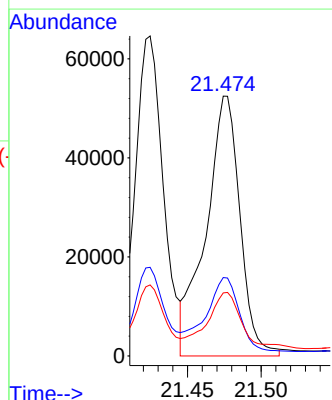
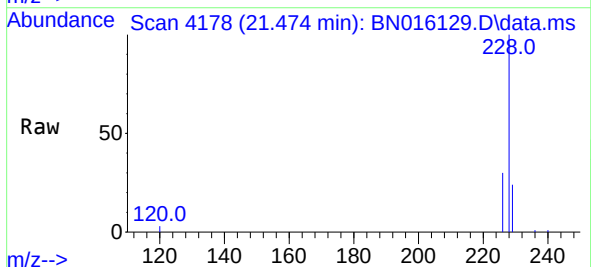
Manual Integrations  
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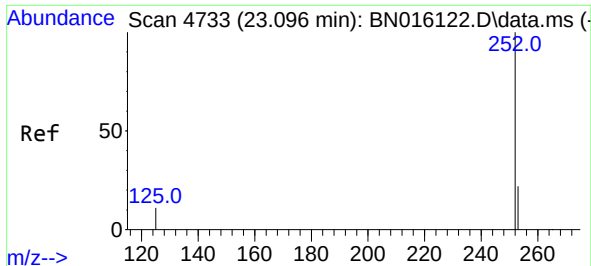


#22  
Chrysene  
Concen: 1.472 ng/ul m  
RT: 21.474 min Scan# 4178  
Delta R.T. 0.003 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21

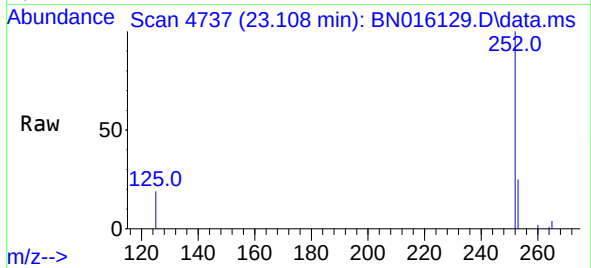
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:228 | Resp: | 84843      |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 226         | 30.2  | 23.2 34.8  |
| 229         | 24.3  | 15.6 23.4# |



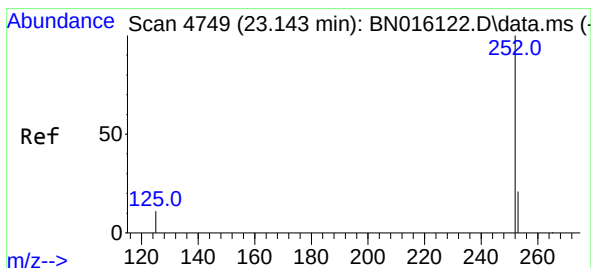
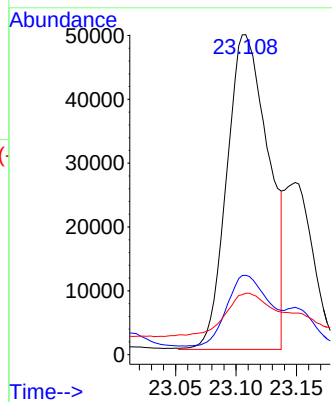
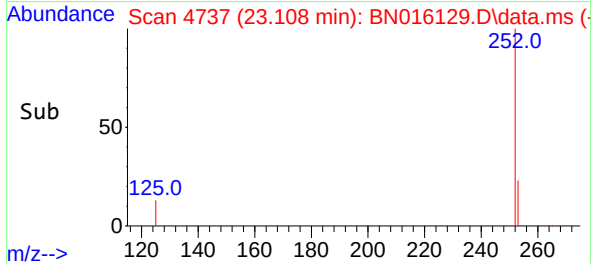




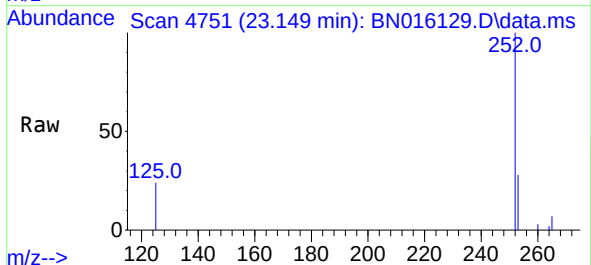
#24  
Benzo(b)fluoranthene  
Concen: 1.971 ng/ul m  
RT: 23.108 min Scan# 4737  
Delta R.T. 0.012 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



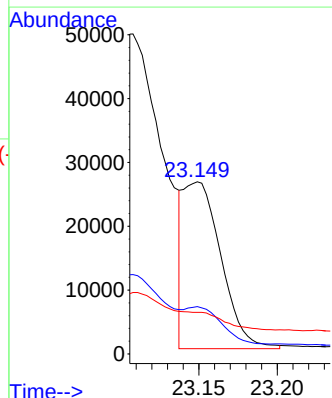
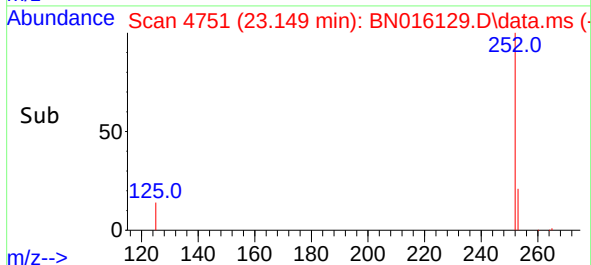
Tgt Ion:252 Resp: 118514  
Ion Ratio Lower Upper  
252 100  
253 24.8 0.0 49.4  
125 19.2 0.0 27.0



#25  
Benzo(k)fluoranthene  
Concen: 0.721 ng/ul m  
RT: 23.149 min Scan# 4751  
Delta R.T. 0.006 min  
Lab File: BN016129.D  
Acq: 01 Sep 2021 16:21



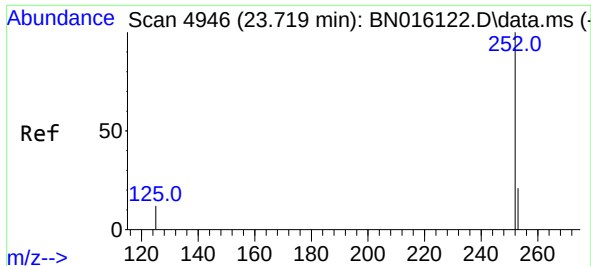
Tgt Ion:252 Resp: 43625  
Ion Ratio Lower Upper  
252 100  
253 27.5 19.4 29.0  
125 24.2 10.9 16.3#



Instrument :  
BNA\_N  
ClientSampleId :  
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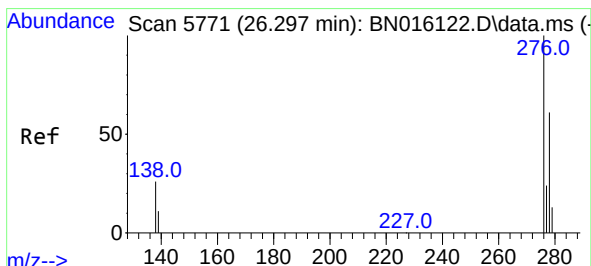
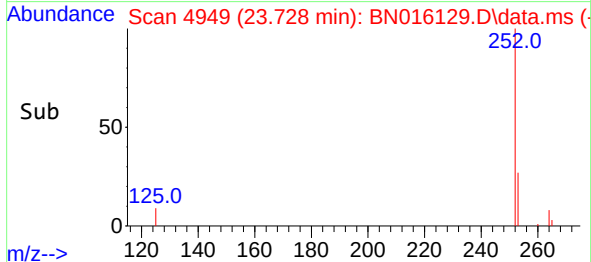
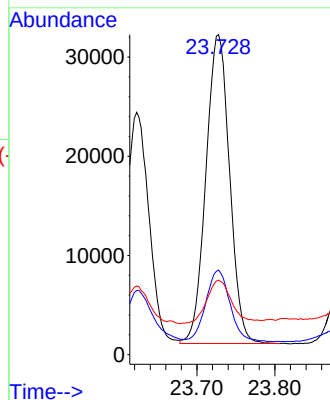
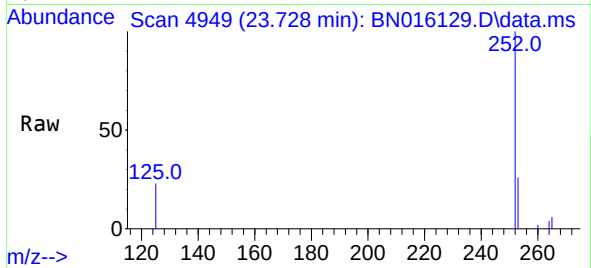
#26  
Benzo(a)pyrene  
Concen: 1.288 ng/ul  
RT: 23.728 min Scan# 4949  
Delta R.T. 0.009 min  
Lab File: BN016129.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 65725 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.4  | 20.2  | 30.2  |
| 125       | 23.3  | 12.6  | 18.8# |

Instrument :  
BNA\_N  
ClientSampleId :  
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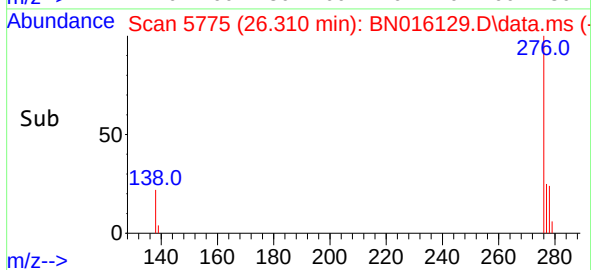
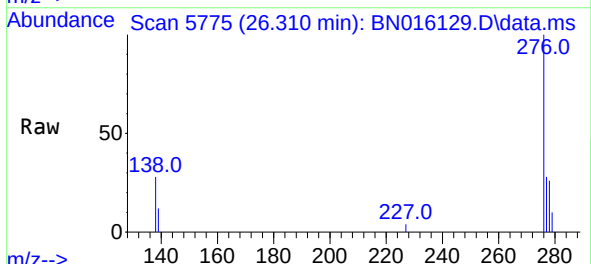
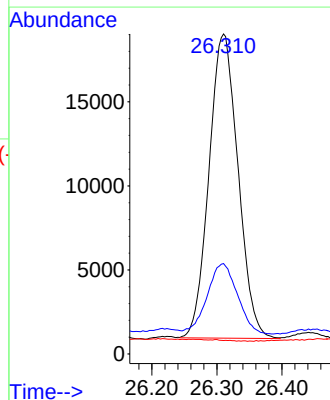
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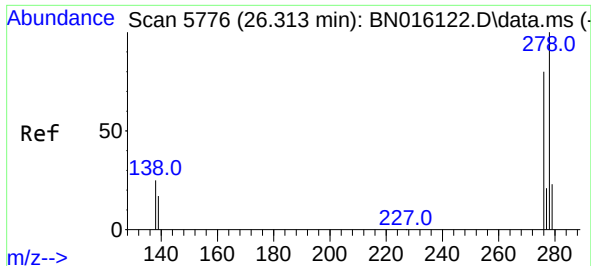
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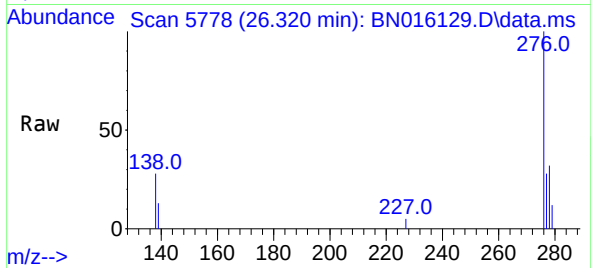
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.852 ng/ul  
RT: 26.310 min Scan# 5775  
Delta R.T. 0.014 min  
Lab File: BN016129.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 56187 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 24.2  | 22.7  | 34.1  |
| 227       | 0.2   | 0.2   | 0.2   |

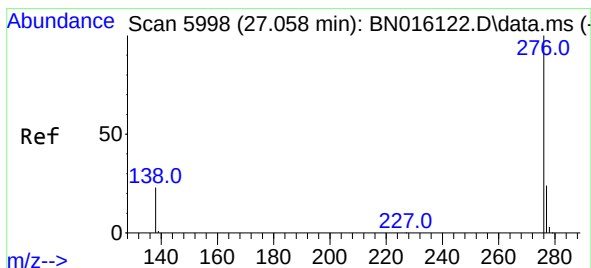
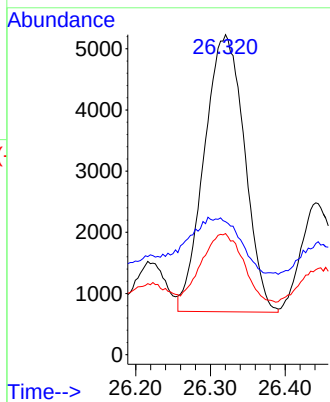
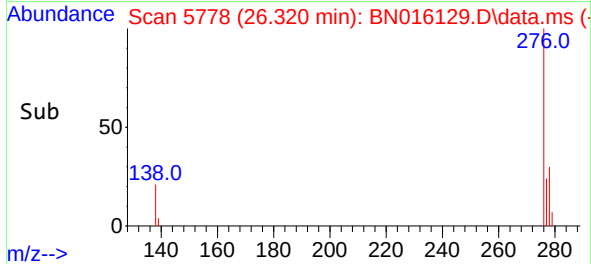




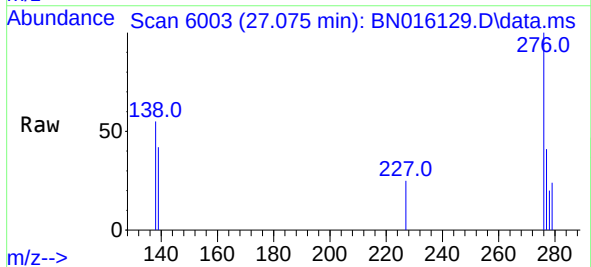
#28  
Dibenzo(a,h)anthracene  
Concen: 0.312 ng/ul  
RT: 26.320 min Scan# 5778  
Delta R.T. 0.007 min  
Lab File: BN016129.D  
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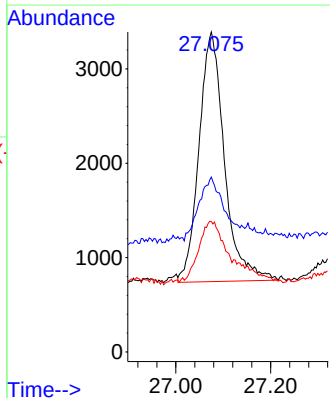
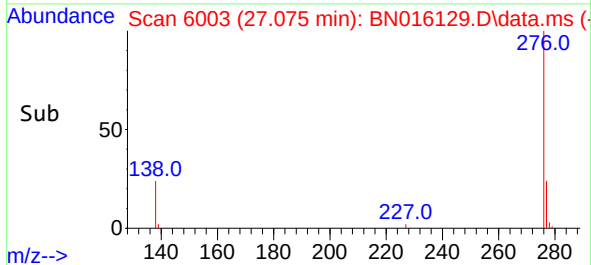
Tgt Ion: 278 Resp: 16920  
Ion Ratio Lower Upper  
278 100  
139 41.6 15.1 22.7#  
279 37.9 20.5 30.7#



#29  
Benzo(g,h,i)perylene  
Concen: 0.172 ng/ul  
RT: 27.075 min Scan# 6003  
Delta R.T. 0.017 min  
Lab File: BN016129.D  
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Tgt Ion: 276 Resp: 9856  
Ion Ratio Lower Upper  
276 100  
138 54.7 19.3 28.9#  
277 40.8 19.8 29.8#



Instrument :  
BNA\_N  
ClientSampleID :  
C0AW4DL

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