

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092521\  
 Data File : BN016510.D  
 Acq On : 26 Sep 2021 14:37  
 Operator : CG/JU  
 Sample : M3892-12  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-825-N-SO-1-1.5-092221

Manual Integrations  
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Quant Time: Sep 27 05:31:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 03:35:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.661  | 152  | 11678    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.432 | 136  | 44343    | 0.40 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.294 | 164  | 17905    | 0.40 | ng    | # 0.00   |
| 19) Phenanthrene-d10          | 17.042 | 188  | 56582    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.248 | 240  | 70704    | 0.40 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.515 | 264  | 69313    | 0.40 | ng    | # 0.00   |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.300  | 112  | 2497     | 0.10 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.849  | 99   | 4233     | 0.14 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.810  | 82   | 7942     | 0.25 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.025 | 152  | 8339     | 0.13 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 1085     | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.911 | 172  | 14019    | 0.19 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.083 | 212  | 39800    | 0.26 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.698 | 244  | 27152    | 0.17 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 25) Phenanthrene              | 17.078 | 178  | 5346m    | 0.03 | ng    |          |
| 28) Fluoranthene              | 19.112 | 202  | 21145    | 0.11 | ng    | 98       |
| 30) Pyrene                    | 19.480 | 202  | 16778    | 0.08 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.238 | 228  | 14477    | 0.07 | ng    | 95       |
| 33) Chrysene                  | 21.291 | 228  | 16145    | 0.07 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.185 | 149  | 4012     | 0.07 | ng    | 96       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.808 | 276  | 11399    | 0.05 | ng    | # 89     |
| 37) Benzo(b)fluoranthene      | 22.834 | 252  | 20646    | 0.09 | ng    | # 95     |
| 38) Benzo(k)fluoranthene      | 22.875 | 252  | 15839m   | 0.07 | ng    |          |
| 39) Benzo(a)pyrene            | 23.416 | 252  | 11326    | 0.06 | ng    | # 89     |
| 40) Dibenzo(a,h)anthracene    | 25.832 | 278  | 5610     | 0.03 | ng    | # 49     |
| 41) Benzo(g,h,i)perylene      | 26.514 | 276  | 8605     | 0.04 | ng    | 94       |
| -----                         |        |      |          |      |       |          |

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

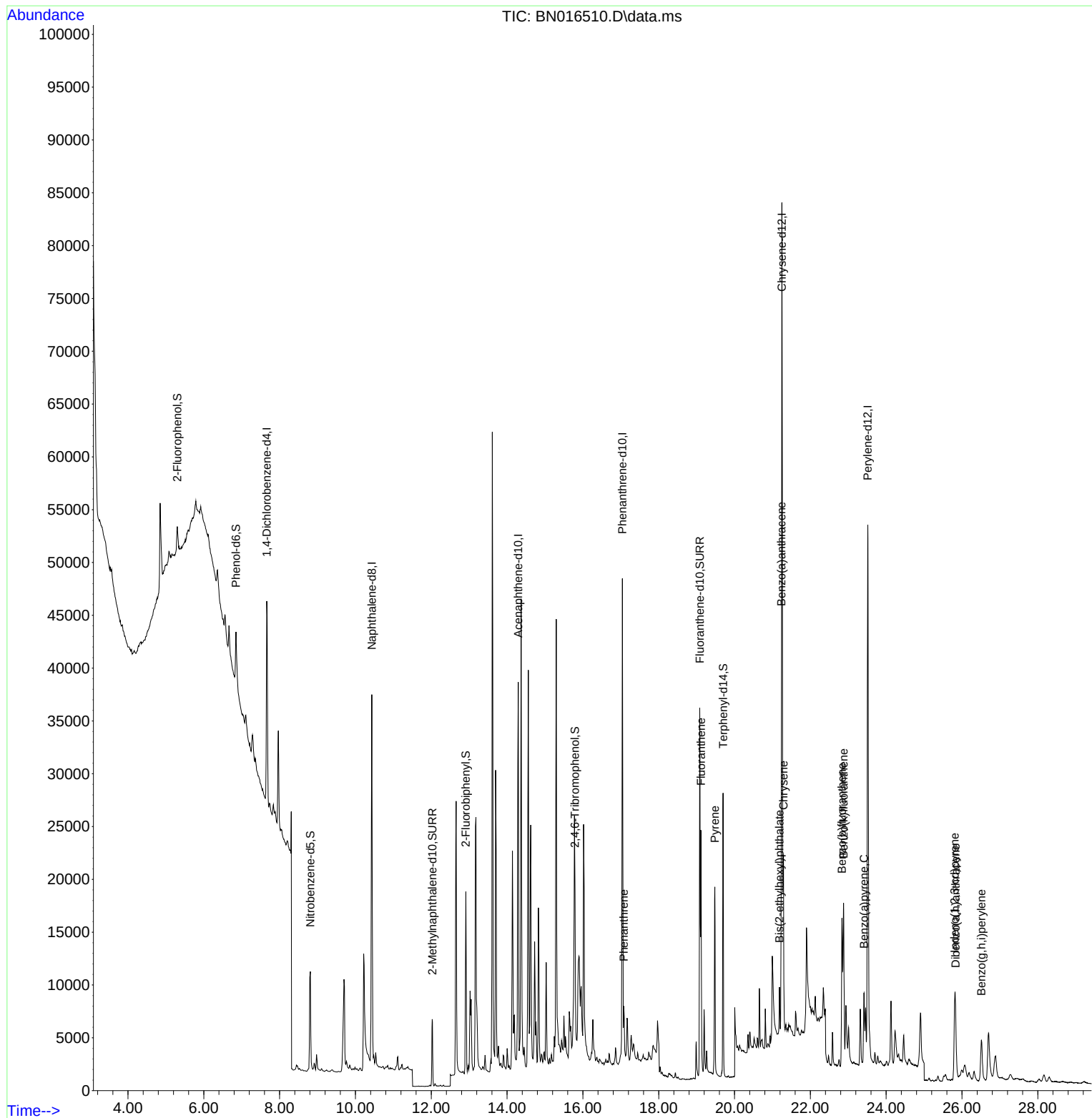
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092521\  
Data File : BN016510.D  
Acq On : 26 Sep 2021 14:37  
Operator : CG/JU  
Sample : M3892-12  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

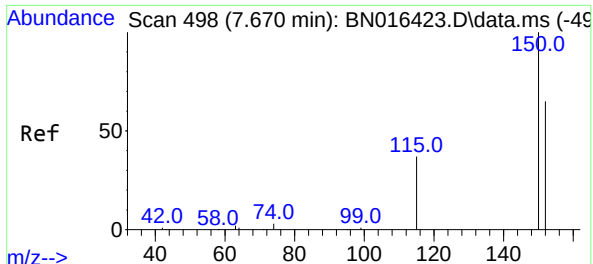
Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221

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Quant Time: Sep 27 05:31:07 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 24 03:35:41 2021  
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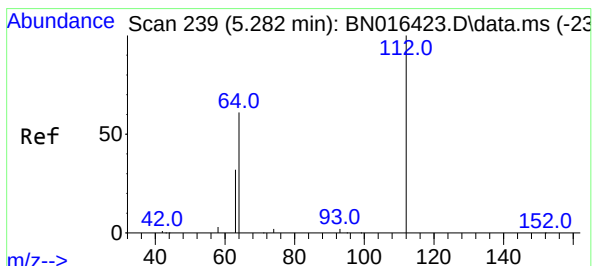
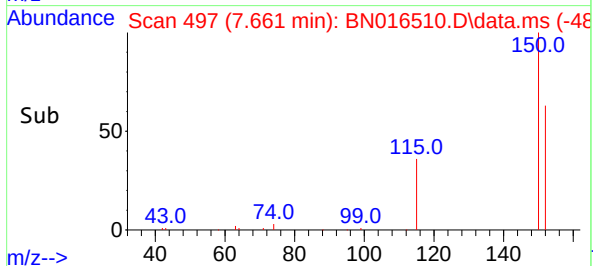
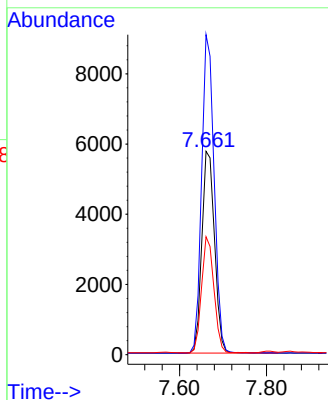
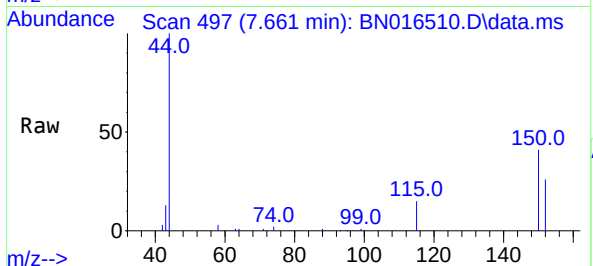
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.661 min Scan# 497  
Delta R.T. -0.009 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

Tgt Ion:152 Resp: 11678  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.6 188.4  
115 58.0 50.2 75.2

Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221

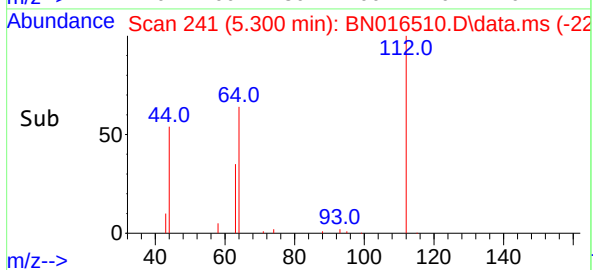
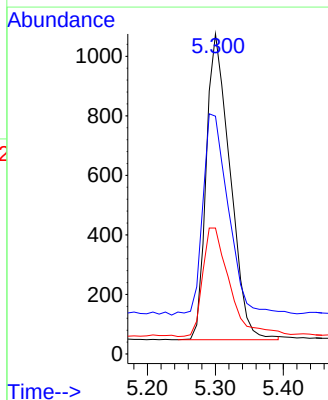
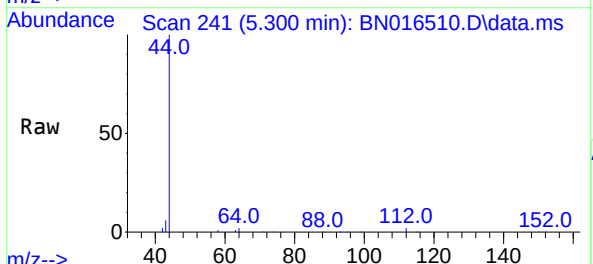
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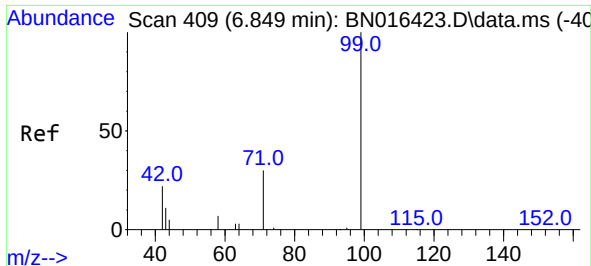
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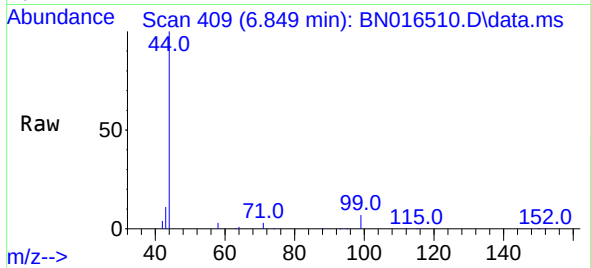
#4  
2-Fluorophenol  
Concen: 0.10 ng  
RT: 5.300 min Scan# 241  
Delta R.T. 0.018 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

Tgt Ion:112 Resp: 2497  
Ion Ratio Lower Upper  
112 100  
64 70.7 47.3 70.9  
63 40.2 23.4 35.0#



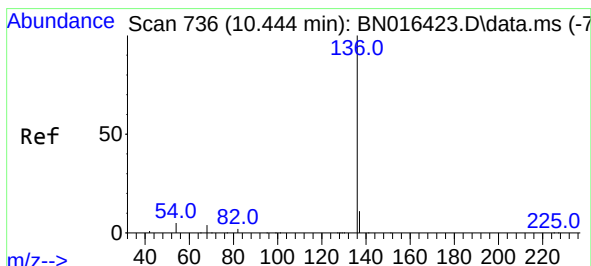
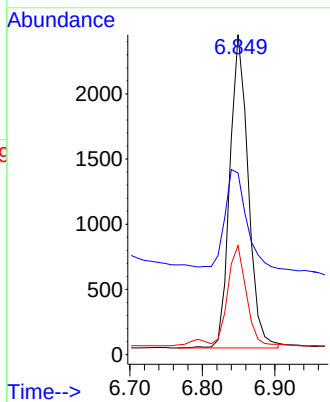
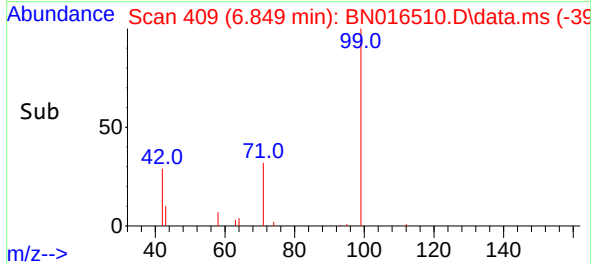


#5  
Phenol-d6  
Concen: 0.14 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

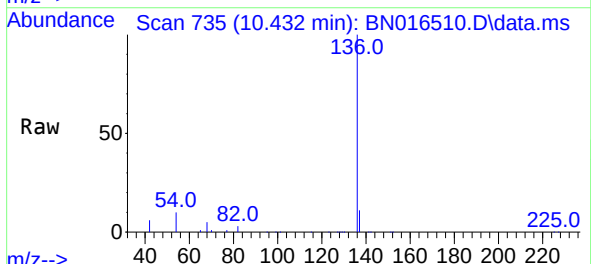


Tgt Ion: 99 Resp: 4233

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 36.7  | 14.0  | 21.0# |
| 71  | 30.9  | 23.8  | 35.6  |

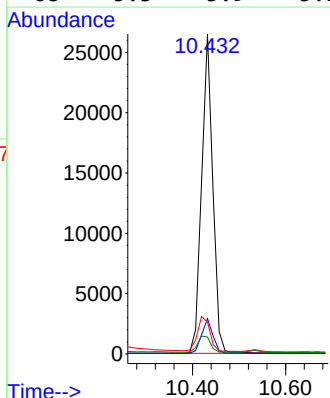
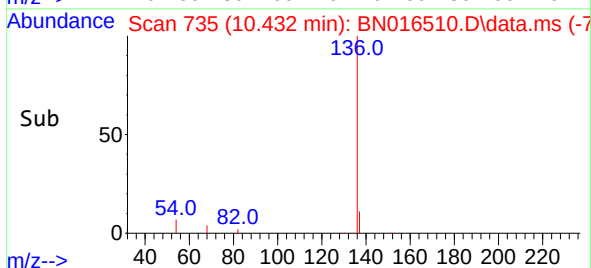


#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.013 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37



Tgt Ion: 136 Resp: 44343

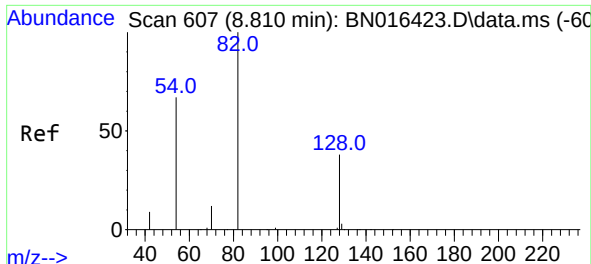
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 10.0  | 5.3   | 7.9#  |
| 68  | 5.3   | 3.9   | 5.9   |



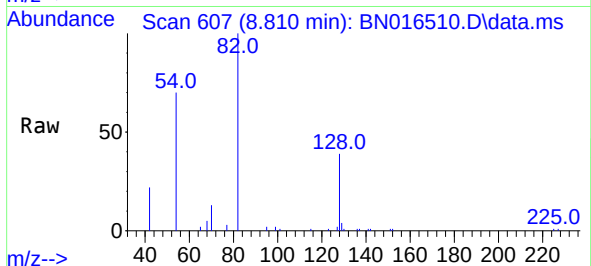
Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221

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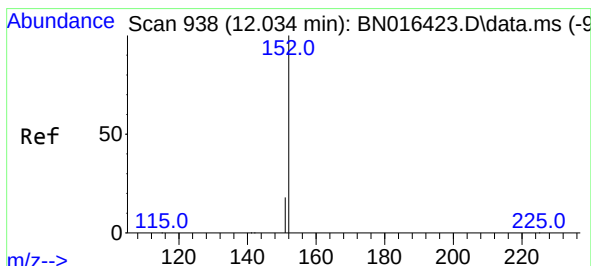
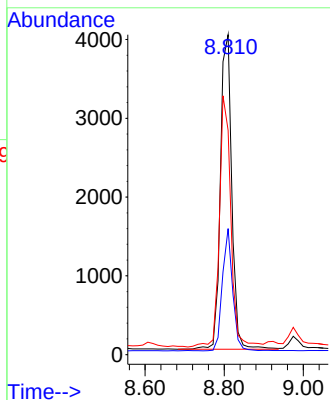
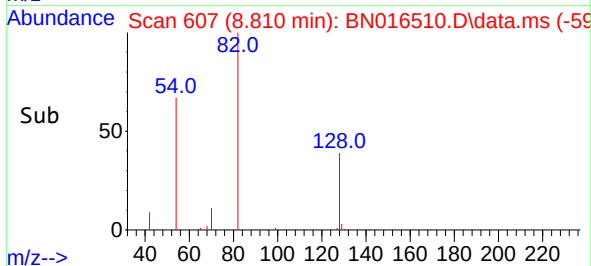
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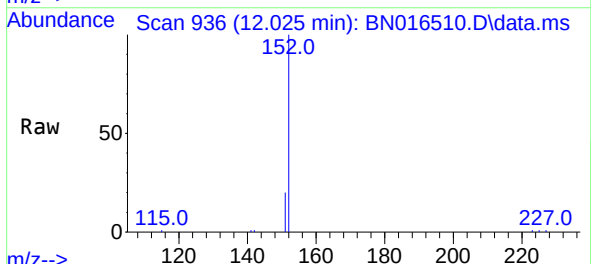
#8  
Nitrobenzene-d5  
Concen: 0.25 ng  
RT: 8.810 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37



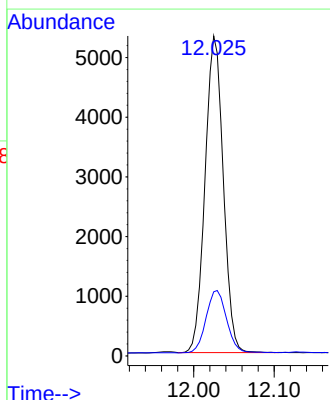
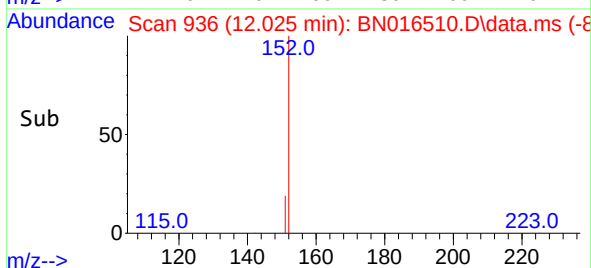
Tgt Ion: 82 Resp: 7942  
Ion Ratio Lower Upper  
82 100  
128 39.4 31.7 47.5  
54 70.1 46.4 69.6#



#11  
2-Methylnaphthalene-d10  
Concen: 0.13 ng  
RT: 12.025 min Scan# 936  
Delta R.T. -0.009 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37



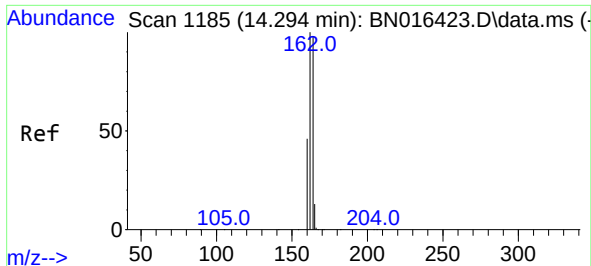
Tgt Ion: 152 Resp: 8339  
Ion Ratio Lower Upper  
152 100  
151 22.3 16.1 24.1



Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221

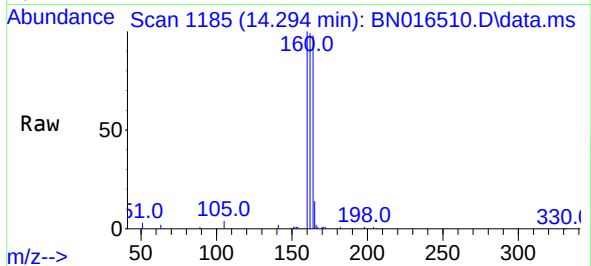
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#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.294 min Scan# 1185  
Delta R.T. -0.000 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

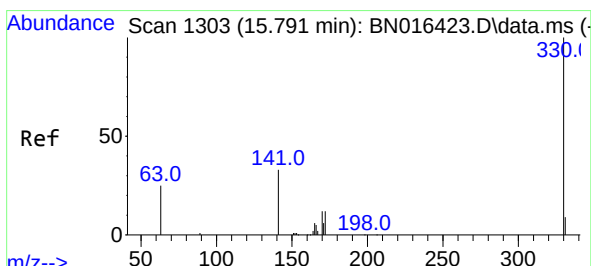
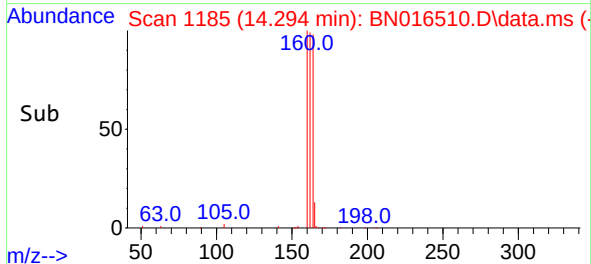
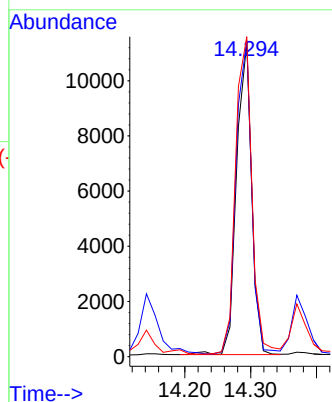
Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221



Tgt Ion:164 Resp: 17905  
Ion Ratio Lower Upper  
164 100  
162 100.7 79.0 118.4  
160 101.9 34.1 51.1#

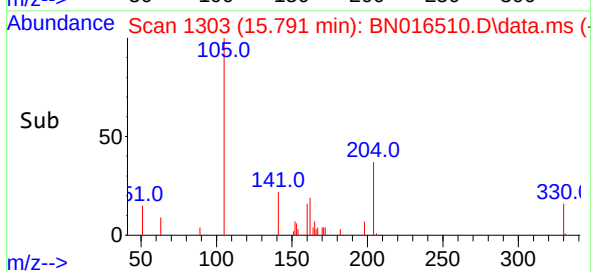
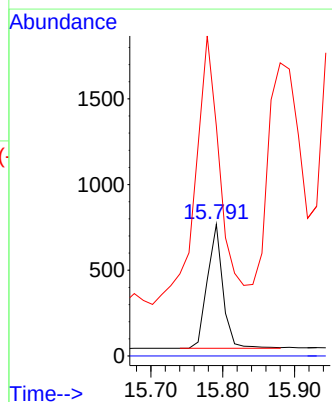
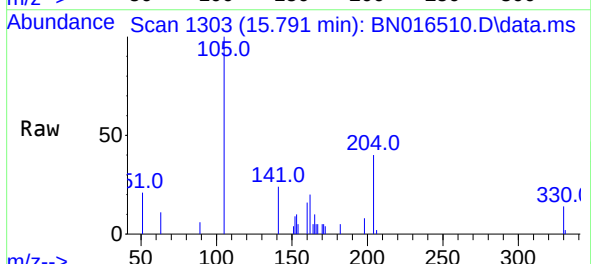
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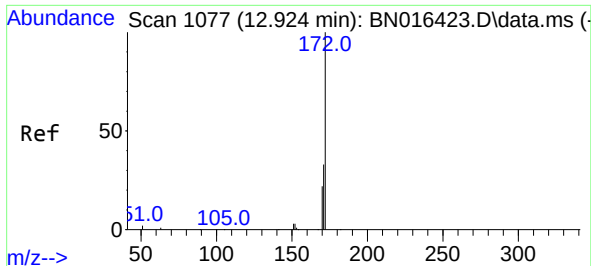
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#14  
2,4,6-Tribromophenol  
Concen: 0.29 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

Tgt Ion:330 Resp: 1085  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 301.0 25.0 37.4#





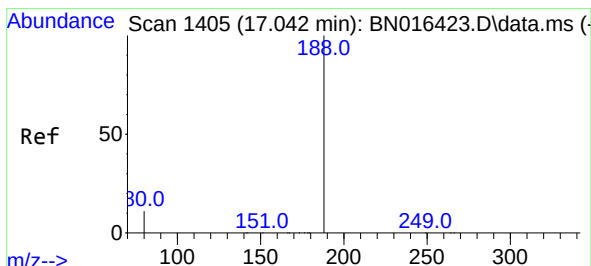
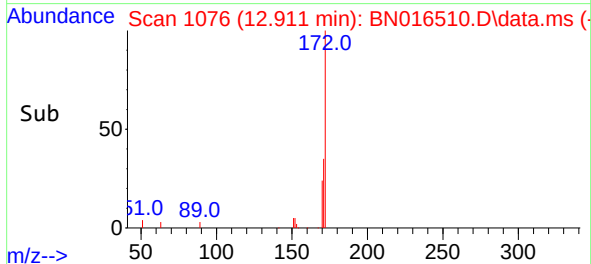
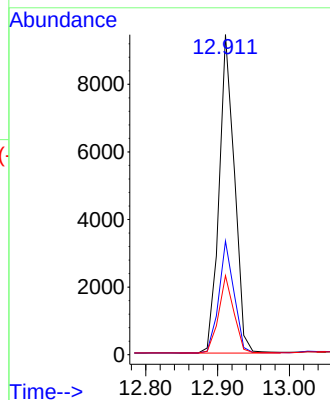
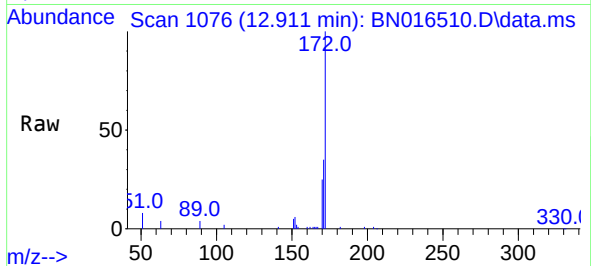
#15  
2-Fluorobiphenyl  
Concen: 0.19 ng  
RT: 12.911 min Scan# 1076  
Delta R.T. -0.013 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 14019 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.5  | 27.8  | 41.6  |
| 170       | 24.7  | 18.2  | 27.2  |

Instrument :  
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ClientSampleId :  
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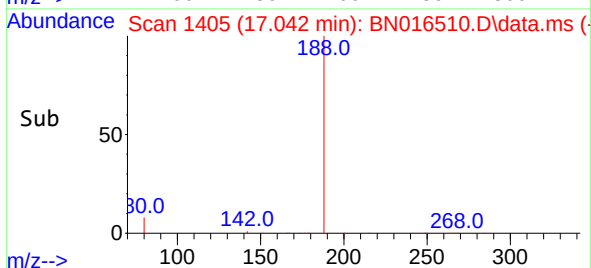
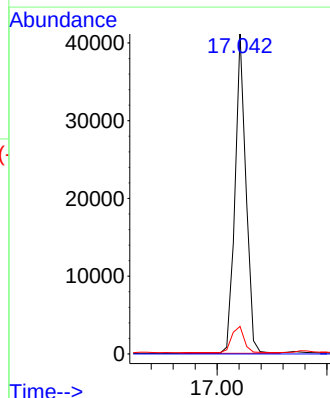
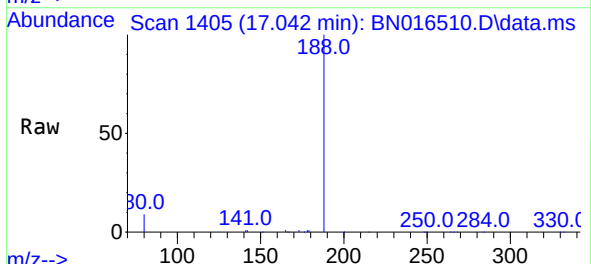
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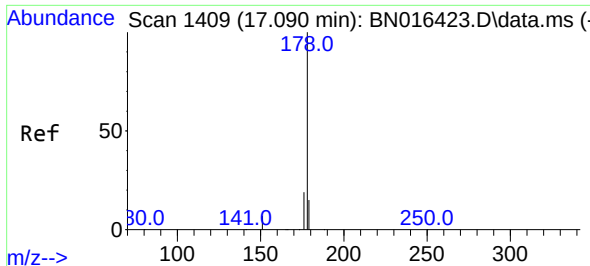
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#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 56582 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 8.6   | 7.0   | 10.6  |





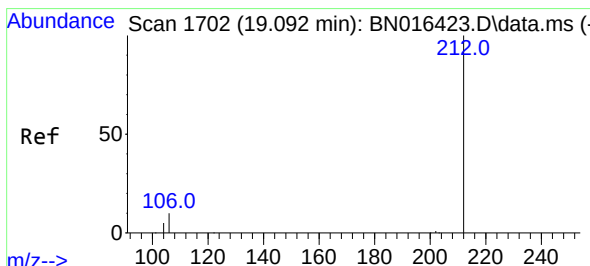
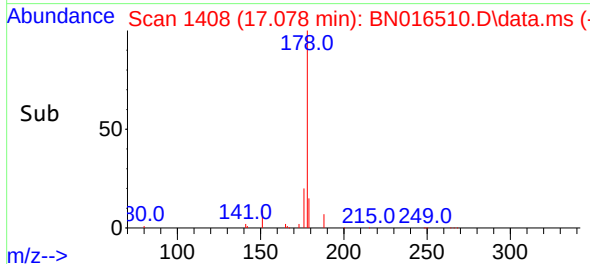
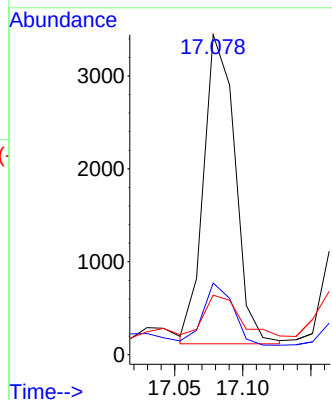
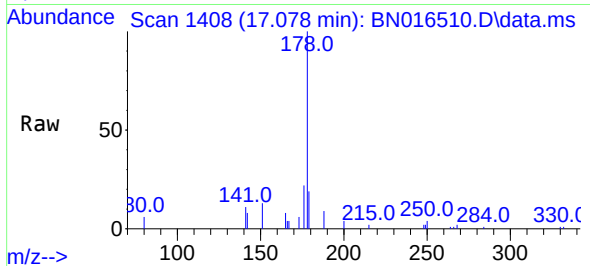
#25  
Phenanthrene  
Concen: 0.03 ng m  
RT: 17.078 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 178  | Resp: | 5346  |
| Ion Ratio | 100  | Lower | Upper |
| 178       | 100  |       |       |
| 176       | 19.1 | 14.4  | 21.6  |
| 179       | 27.7 | 12.2  | 18.4# |

Instrument :  
BNA\_N  
ClientSampleId :  
S-825-N-SO-1-1.5-092221

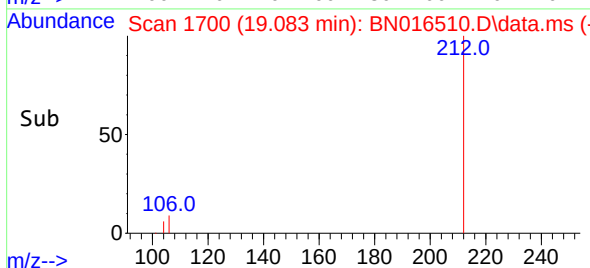
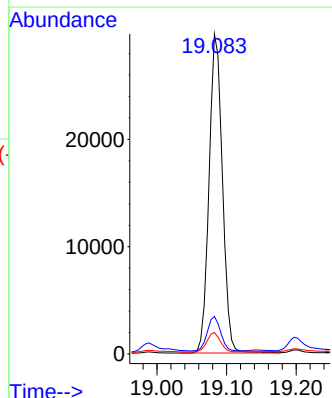
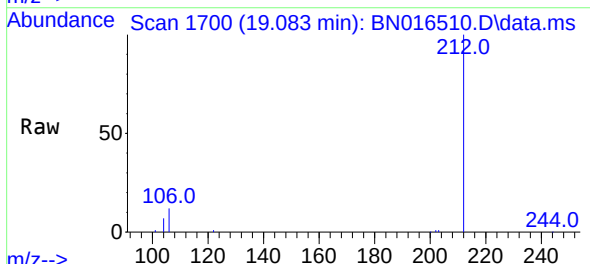
Manual Integrations  
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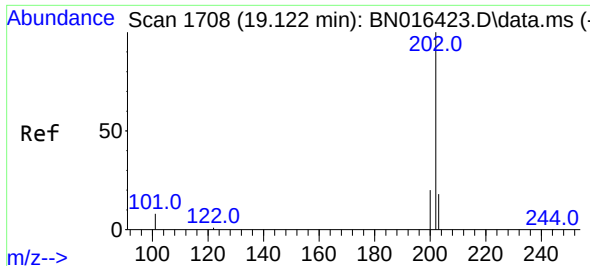


#27  
Fluoranthene-d10  
Concen: 0.26 ng  
RT: 19.083 min Scan# 1700  
Delta R.T. -0.010 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 212  | Resp: | 39800 |
| Ion Ratio | 100  | Lower | Upper |
| 212       | 100  |       |       |
| 106       | 10.6 | 9.8   | 14.6  |
| 104       | 6.0  | 5.4   | 8.2   |

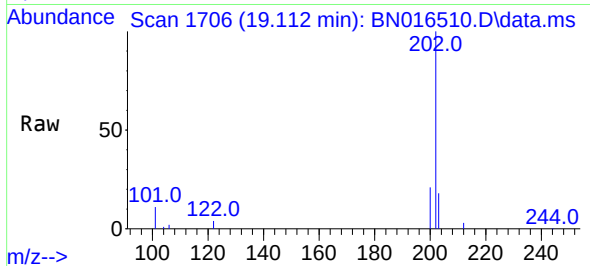






#28  
Fluoranthene  
Concen: 0.11 ng  
RT: 19.112 min Scan# 1706  
Delta R.T. -0.010 min  
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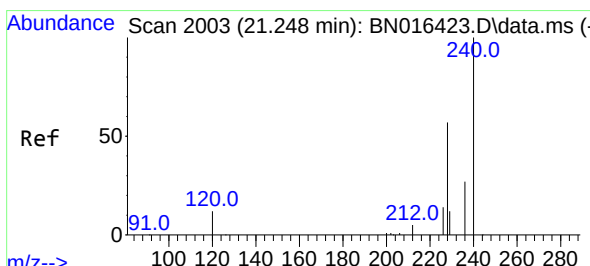
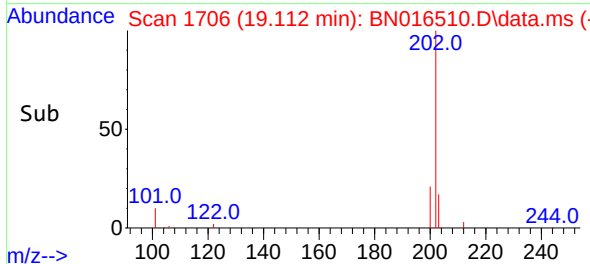
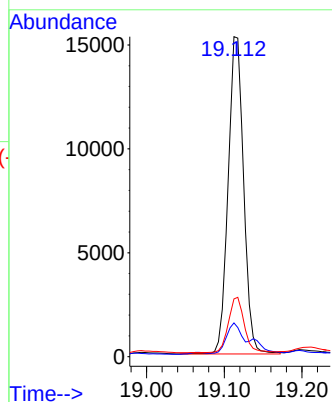
Instrument :  
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Tgt Ion:202 Resp: 21145  
Ion Ratio Lower Upper  
202 100  
101 9.8 8.5 12.7  
203 17.9 13.8 20.8

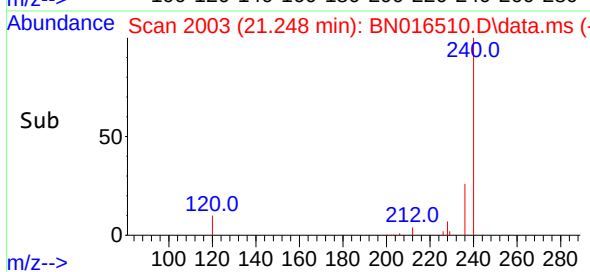
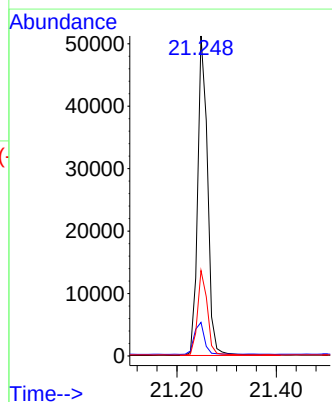
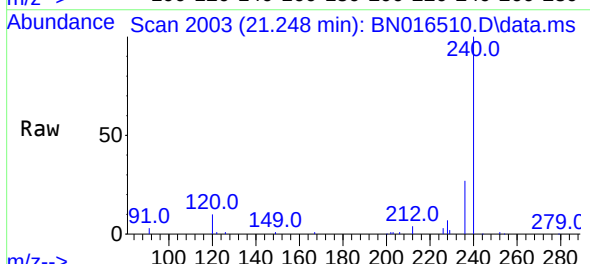
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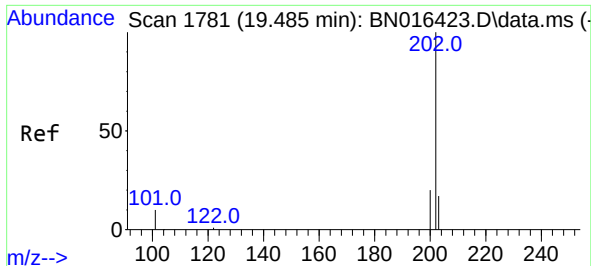
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#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.248 min Scan# 2003  
Delta R.T. 0.000 min  
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Tgt Ion:240 Resp: 70704  
Ion Ratio Lower Upper  
240 100  
120 10.5 5.3 7.9#  
236 26.7 19.8 29.8





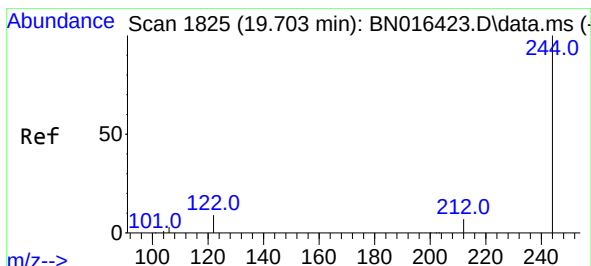
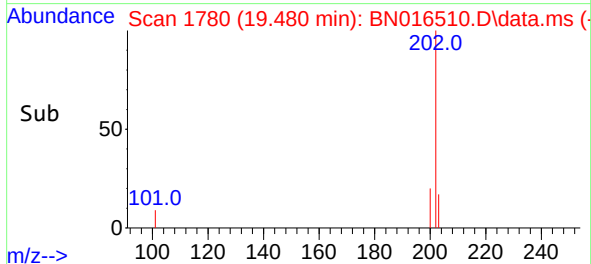
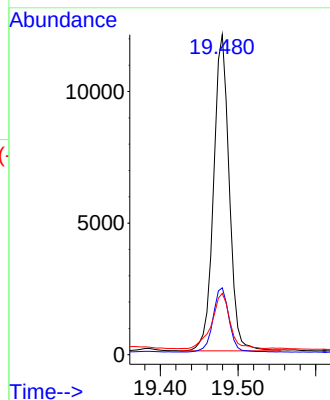
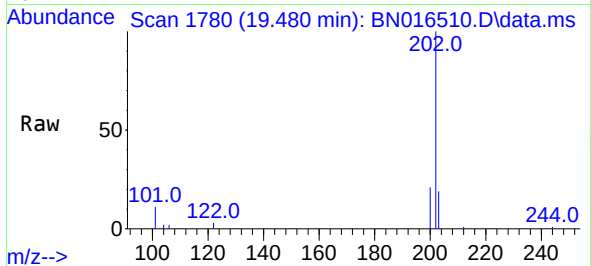
#30  
Pyrene  
Concen: 0.08 ng  
RT: 19.480 min Scan# 1780  
Delta R.T. -0.005 min  
Lab File: BN016510.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 16778 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.7  | 15.8  | 23.6  |
| 203       | 20.2  | 13.9  | 20.9  |

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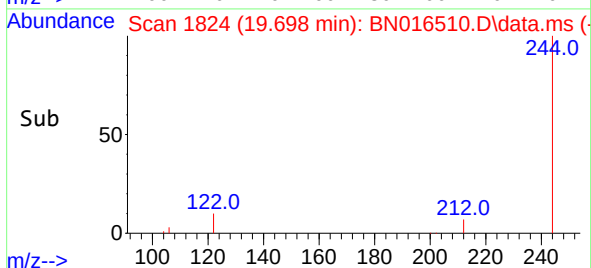
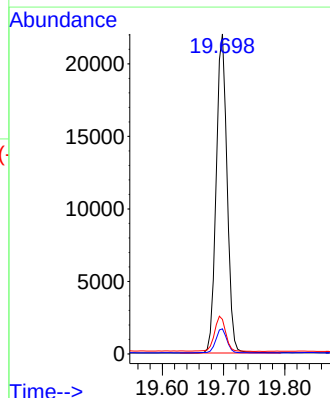
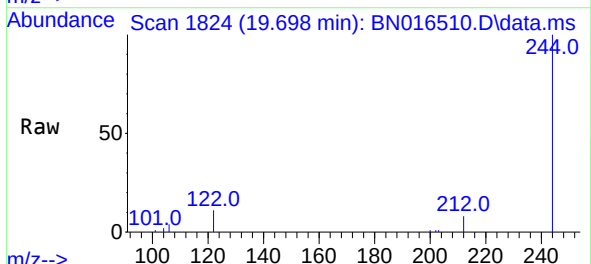
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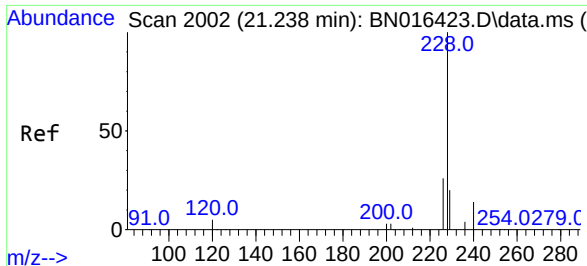
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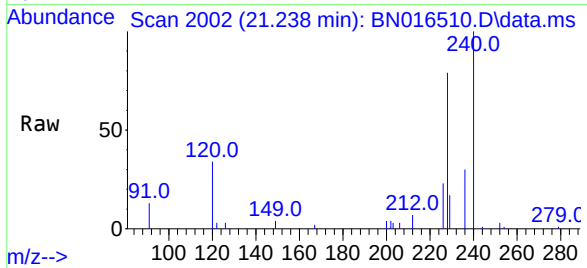
#31  
Terphenyl-d14  
Concen: 0.17 ng  
RT: 19.698 min Scan# 1824  
Delta R.T. -0.005 min  
Lab File: BN016510.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 27152 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.8   | 5.5   | 8.3   |
| 122       | 10.8  | 9.0   | 13.4  |

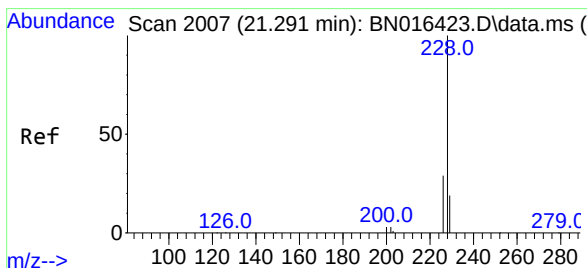
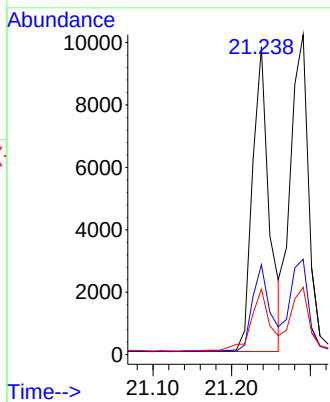
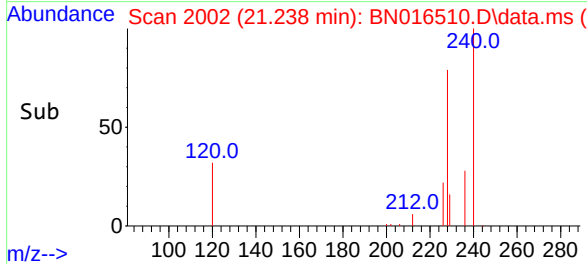




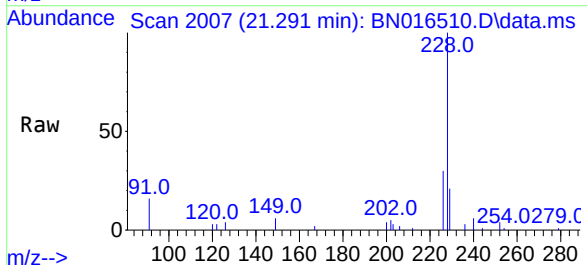
#32  
Benzo(a)anthracene  
Concen: 0.07 ng  
RT: 21.238 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
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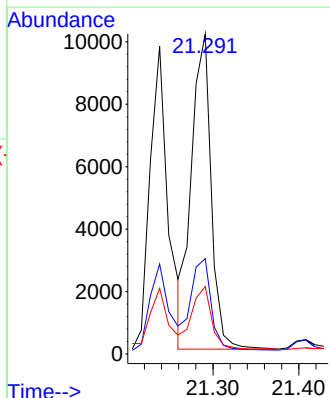
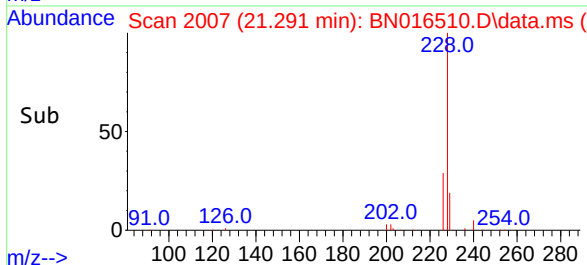
Tgt Ion:228 Resp: 14477  
Ion Ratio Lower Upper  
228 100  
226 29.2 20.8 31.2  
229 21.3 15.8 23.6



#33  
Chrysene  
Concen: 0.07 ng  
RT: 21.291 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
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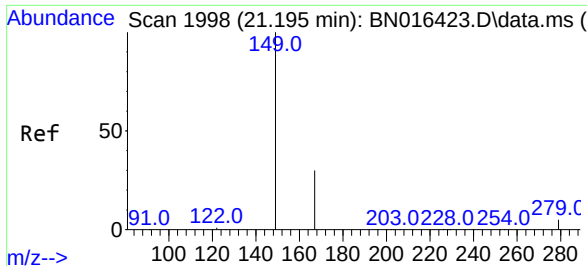
Tgt Ion:228 Resp: 16145  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.0 34.4  
229 21.1 15.6 23.4



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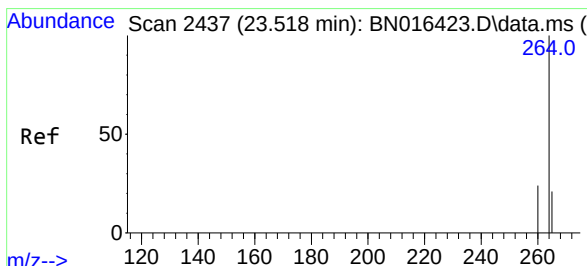
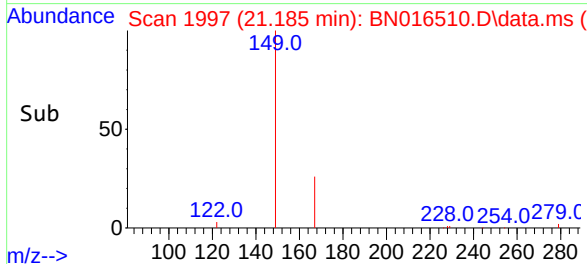
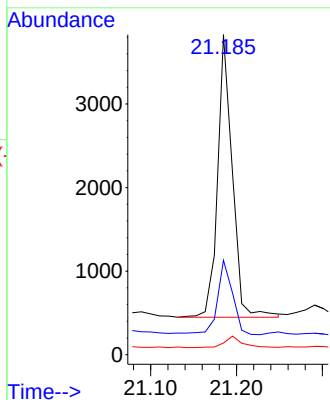
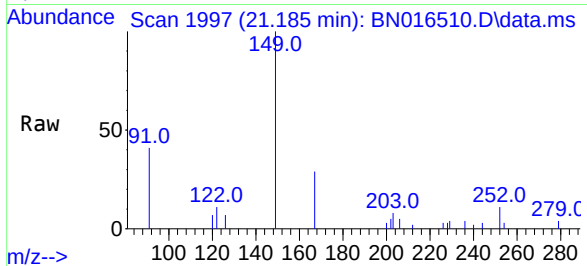
#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.07 ng  
RT: 21.185 min Scan# 1997  
Delta R.T. -0.011 min  
Lab File: BN016510.D  
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Tgt Ion:149 Resp: 4012  
Ion Ratio Lower Upper  
149 100  
167 26.8 23.4 35.0  
279 4.8 3.9 5.9

Instrument :  
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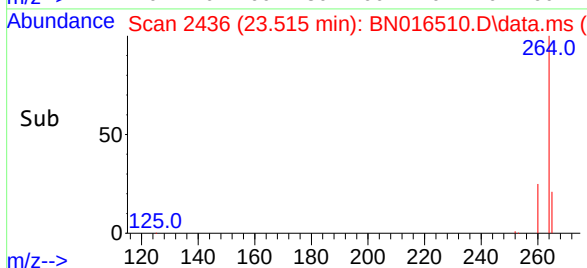
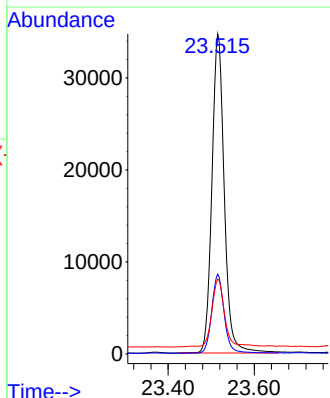
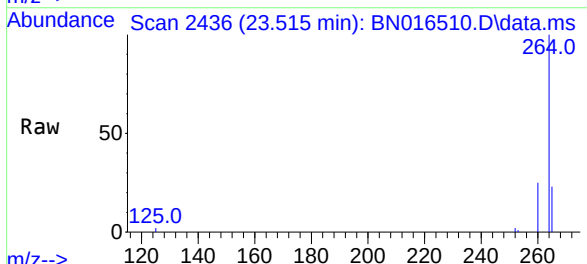
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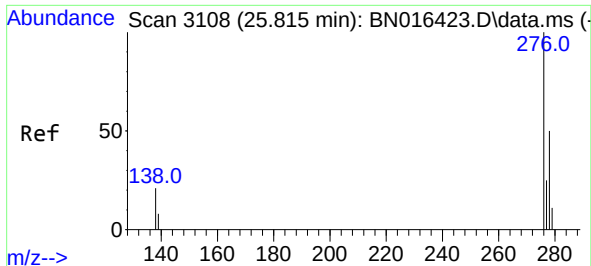
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#35  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.515 min Scan# 2436  
Delta R.T. -0.003 min  
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Tgt Ion:264 Resp: 69313  
Ion Ratio Lower Upper  
264 100  
260 24.9 18.9 28.3  
265 23.4 23.7 35.5





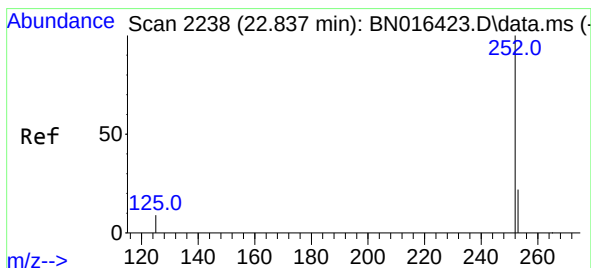
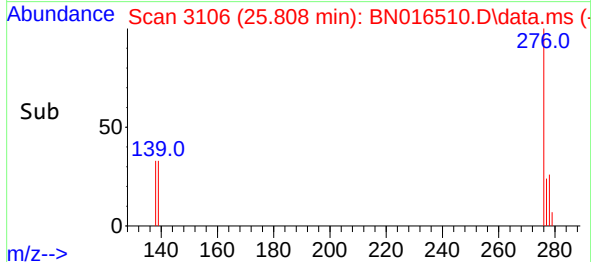
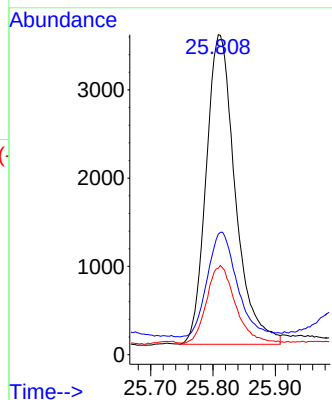
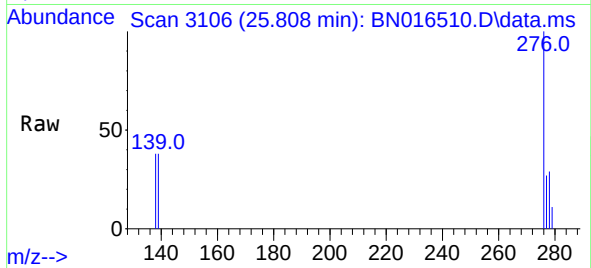
#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.05 ng  
RT: 25.808 min Scan# 3106  
Delta R.T. -0.007 min  
Lab File: BN016510.D  
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Tgt Ion: 276 Resp: 11399  
Ion Ratio Lower Upper  
276 100  
138 35.1 19.3 28.9#  
277 24.8 20.2 30.2

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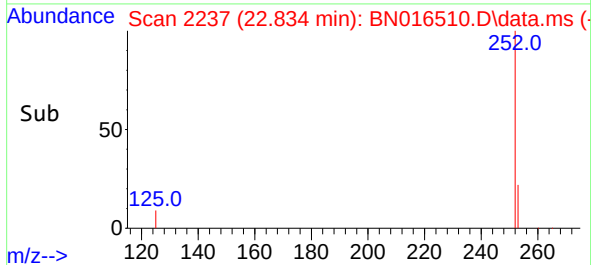
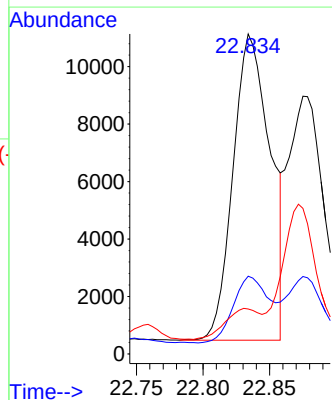
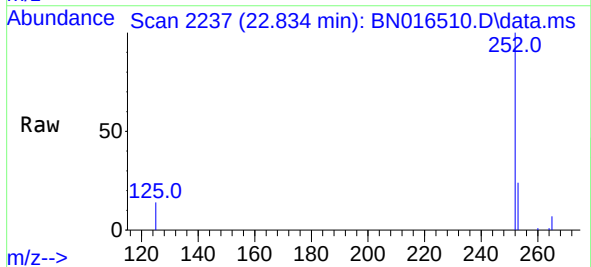
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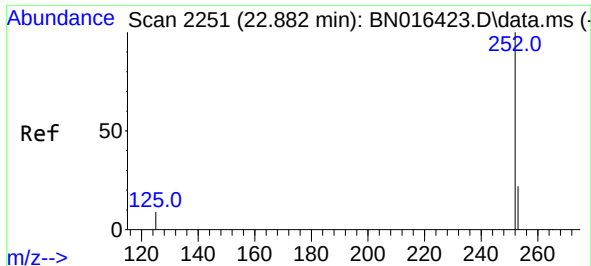
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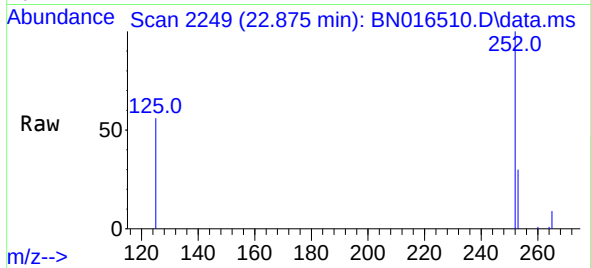
#37  
Benzo(b)fluoranthene  
Concen: 0.09 ng  
RT: 22.834 min Scan# 2237  
Delta R.T. -0.003 min  
Lab File: BN016510.D  
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Tgt Ion: 252 Resp: 20646  
Ion Ratio Lower Upper  
252 100  
253 24.3 18.2 27.2  
125 14.0 8.4 12.6#

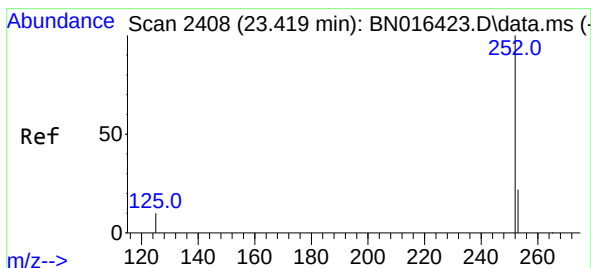
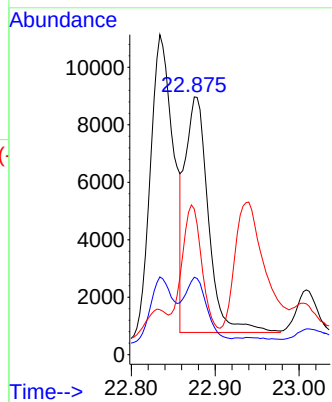
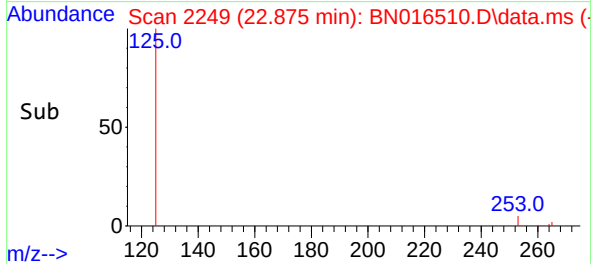




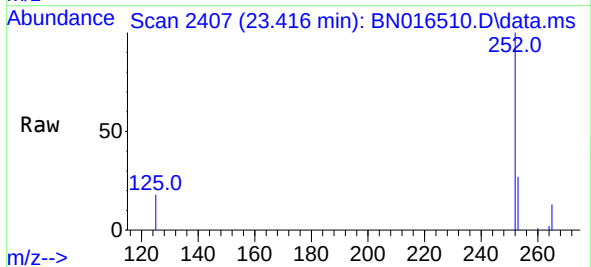
#38  
Benzo(k)fluoranthene  
Concen: 0.07 ng m  
RT: 22.875 min Scan# 2249  
Delta R.T. -0.007 min  
Lab File: BN016510.D  
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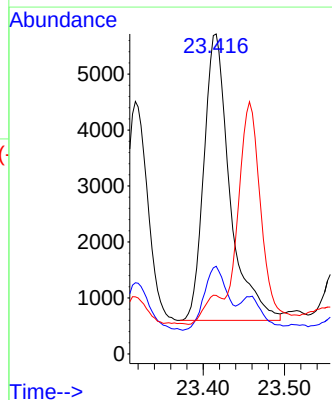
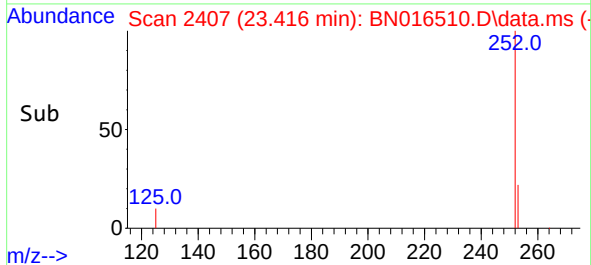
Tgt Ion:252 Resp: 15839  
Ion Ratio Lower Upper  
252 100  
253 30.1 18.2 27.2#  
125 56.5 8.2 12.4#



#39  
Benzo(a)pyrene  
Concen: 0.06 ng  
RT: 23.416 min Scan# 2407  
Delta R.T. -0.003 min  
Lab File: BN016510.D  
Acq: 26 Sep 2021 14:37



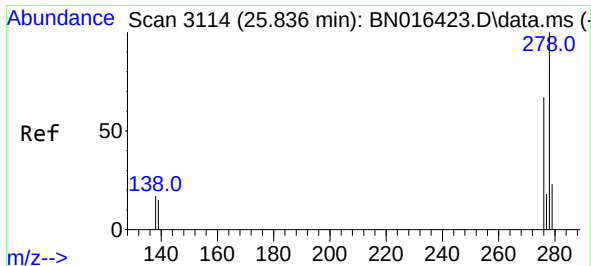
Tgt Ion:252 Resp: 11326  
Ion Ratio Lower Upper  
252 100  
253 27.4 18.7 28.1  
125 18.3 9.9 14.9#



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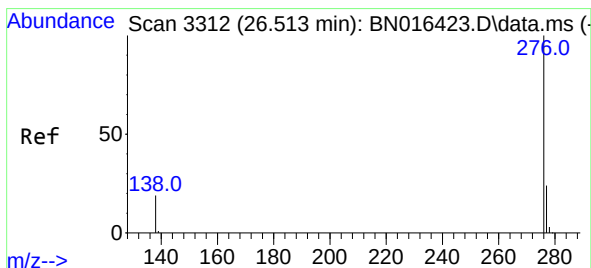
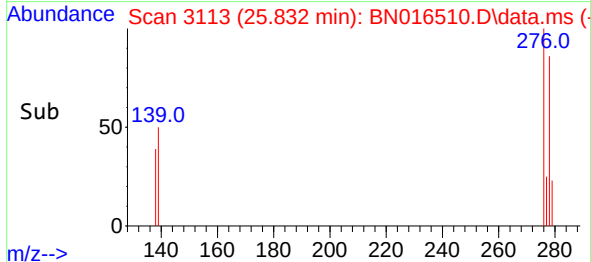
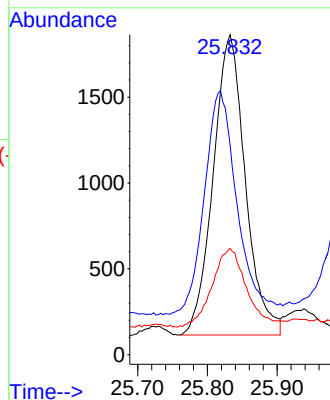
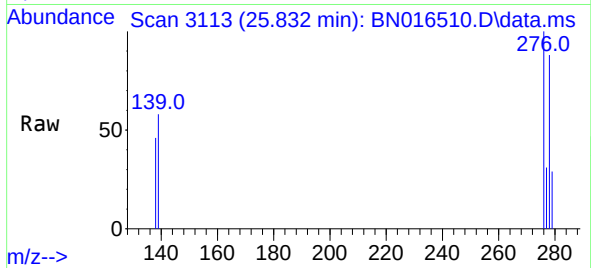
#40  
Dibenzo(a,h)anthracene  
Concen: 0.03 ng  
RT: 25.832 min Scan# 3113  
Delta R.T. -0.003 min  
Lab File: BN016510.D  
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Tgt Ion: 278 Resp: 5610  
Ion Ratio Lower Upper  
278 100  
139 65.6 14.2 21.2#  
279 33.2 21.3 31.9#

Instrument :  
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#41  
Benzo(g,h,i)perylene  
Concen: 0.04 ng  
RT: 26.514 min Scan# 3312  
Delta R.T. 0.000 min  
Lab File: BN016510.D  
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Tgt Ion: 276 Resp: 8605  
Ion Ratio Lower Upper  
276 100  
277 27.3 20.5 30.7  
138 27.3 18.2 27.4

