

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE040921\  
 Data File : BE101270.D  
 Acq On : 9 Apr 2021 14:49  
 Operator : CG/JU  
 Sample : M1966-05RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-123RRE

Manual Integrations  
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 4/12/2021 2:47:02 PM

Quant Time: Apr 09 15:41:04 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-SIM-BE040621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 07 10:22:45 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.838  | 152  | 3631     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.615 | 136  | 18949    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.443 | 164  | 23323    | 0.40 | ng    | # 0.00   |
| 19) Phenanthrene-d10          | 17.211 | 188  | 36623    | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.366 | 240  | 26921    | 0.40 | ng    | 0.01     |
| 36) Perylene-d12              | 23.845 | 264  | 24049    | 0.40 | ng    | 0.01     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.431  | 112  | 2927     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.009  | 99   | 2285     | 0.17 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 8.978  | 82   | 6413     | 0.46 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.196 | 152  | 11490    | 0.26 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.956 | 330  | 2800     | 0.45 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.074 | 172  | 17131    | 0.20 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.244 | 212  | 149096   | 0.23 | ng    | 0.03     |
| 31) Terphenyl-d14             | 19.818 | 244  | 37739    | 0.52 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 9) Naphthalene                | 10.667 | 128  | 301722   | 1.46 | ng    | 100      |
| 12) 2-Methylnaphthalene       | 12.268 | 142  | 6353     | 0.17 | ng    | # 89     |
| 16) Acenaphthylene            | 14.169 | 152  | 156173   | 1.72 | ng    | 97       |
| 17) Acenaphthene              | 14.515 | 154  | 59024    | 0.87 | ng    | 97       |
| 18) Fluorene                  | 15.502 | 166  | 78457    | 0.86 | ng    | # 98     |
| 25) Phenanthrene              | 17.241 | 178  | 264116   | 2.43 | ng    | 98       |
| 26) Anthracene                | 17.332 | 178  | 42776    | 0.46 | ng    | # 86     |
| 28) Fluoranthene              | 19.278 | 202  | 91970    | 0.65 | ng    | 99       |
| 30) Pyrene                    | 19.617 | 202  | 67903    | 0.70 | ng    | 95       |
| 32) Benzo(a)anthracene        | 21.342 | 228  | 5049     | 0.07 | ng    | # 45     |
| 34) Bis(2-ethylhexyl)phtha... | 21.281 | 149  | 16620    | 0.30 | ng    | # 99     |
| 39) Benzo(a)pyrene            | 23.731 | 252  | 1813     | 0.03 | ng    | # 1      |
| -----                         |        |      |          |      |       |          |

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

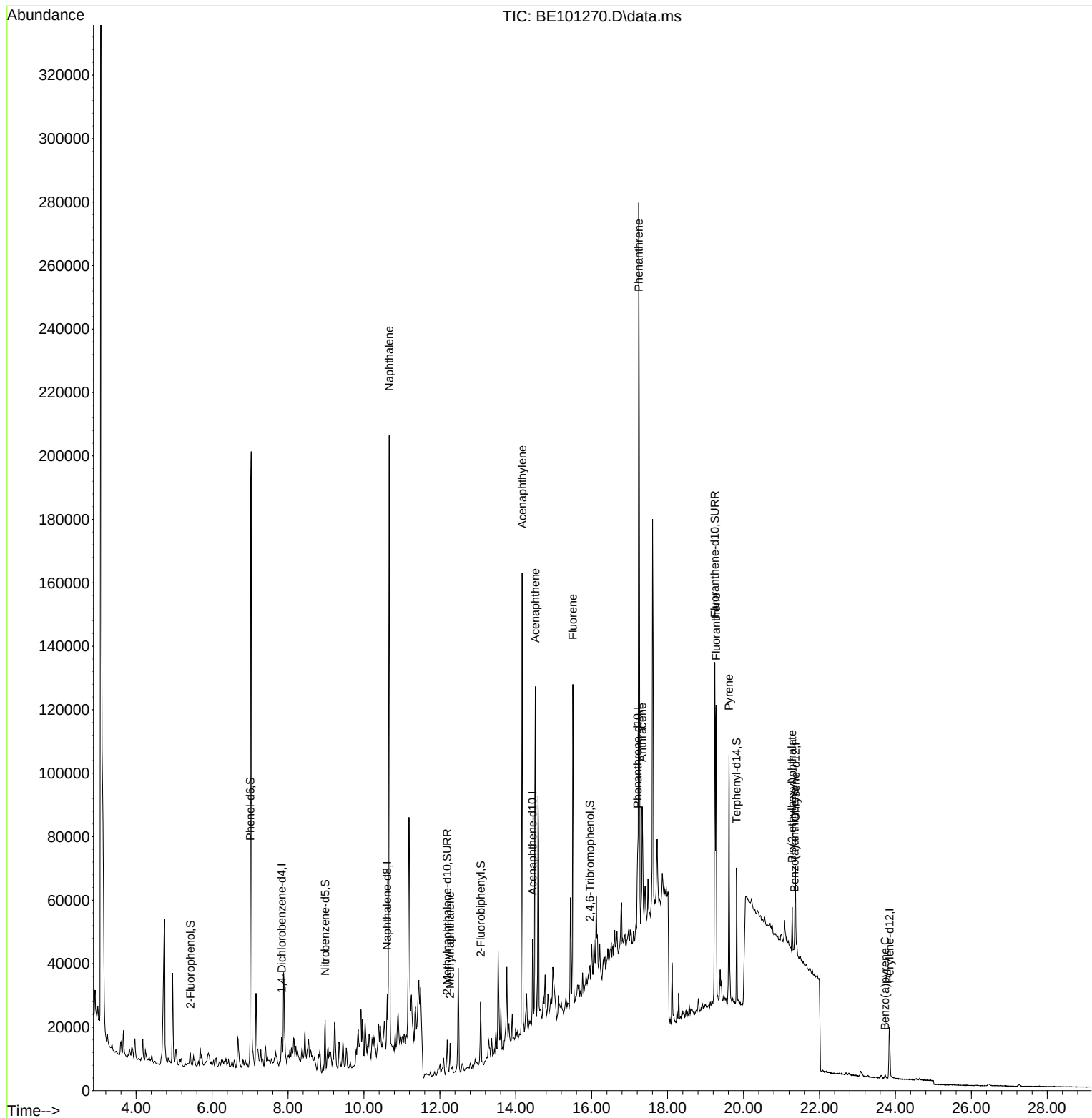
Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE040921\  
Data File : BE101270.D  
Acq On : 9 Apr 2021 14:49  
Operator : CG/JU  
Sample : M1966-05RE  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

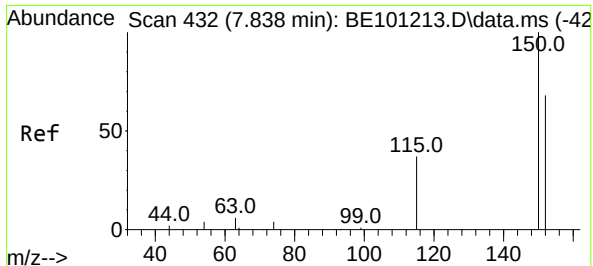
Instrument :  
BNA\_E  
ClientSampleId :  
MW-123RRE

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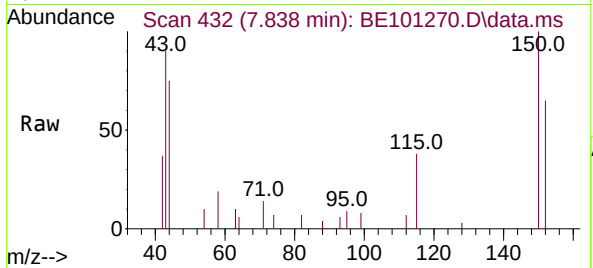
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Quant Time: Apr 09 15:41:04 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-SIM-BE040621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 07 10:22:45 2021  
Response via : Initial Calibration

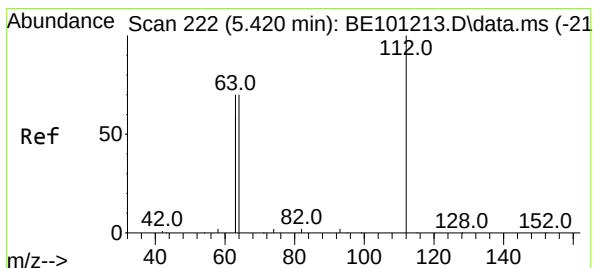
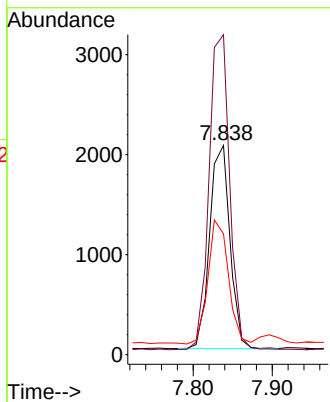
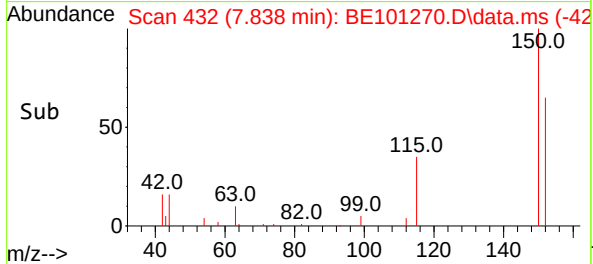




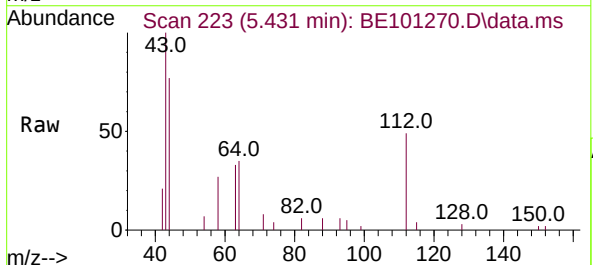
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.838 min Scan# 432  
Delta R.T. 0.008 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49



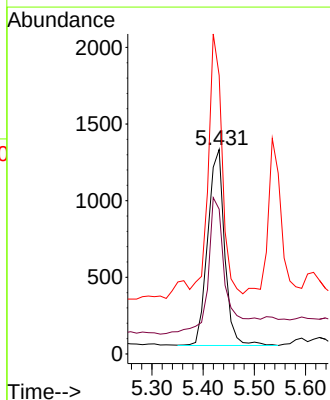
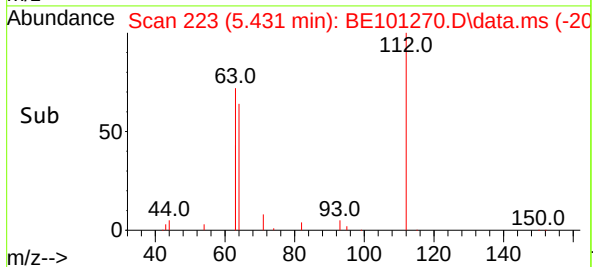
Tgt Ion:152 Resp: 3631  
Ion Ratio Lower Upper  
152 100  
150 152.9 116.9 175.3  
115 57.8 44.5 66.7



#4  
2-Fluorophenol  
Concen: 0.34 ng  
RT: 5.431 min Scan# 223  
Delta R.T. 0.009 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49



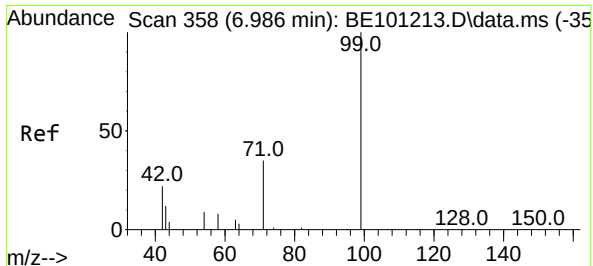
Tgt Ion:112 Resp: 2927  
Ion Ratio Lower Upper  
112 100  
64 71.8 62.3 93.5  
63 106.8 117.3 175.9#



Instrument :  
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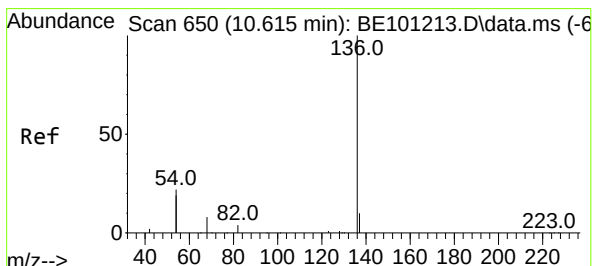
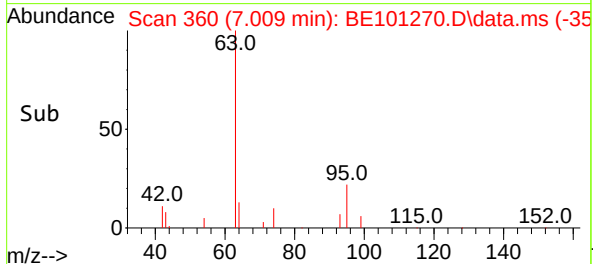
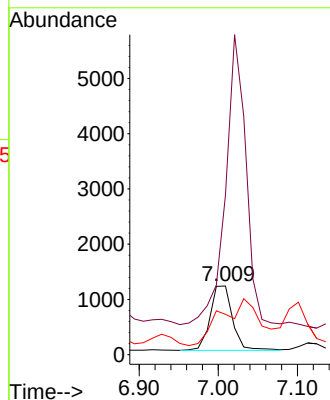
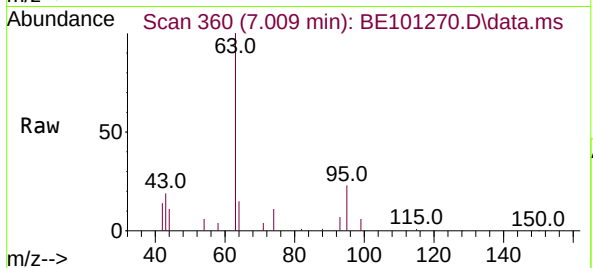
#5  
Phenol-d6  
Concen: 0.17 ng  
RT: 7.009 min Scan# 360  
Delta R.T. 0.020 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

Tgt Ion: 99 Resp: 2285  
Ion Ratio Lower Upper  
99 100  
42 0.0 18.5 27.7#  
71 0.0 26.5 39.7#

Instrument :  
BNA\_E  
ClientSampleId :  
MW-123RRE

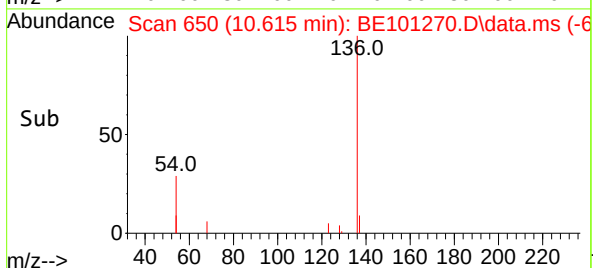
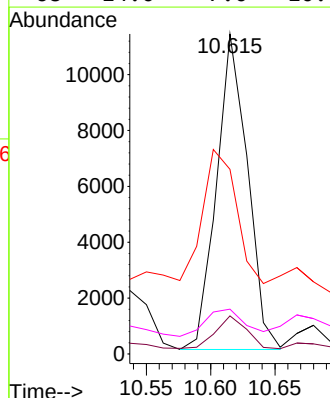
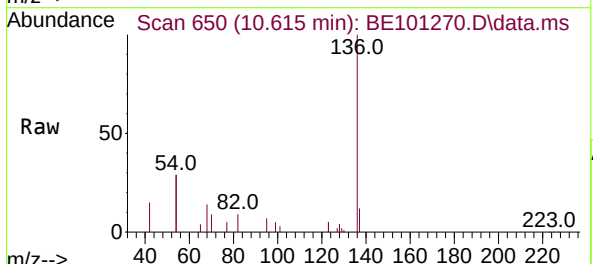
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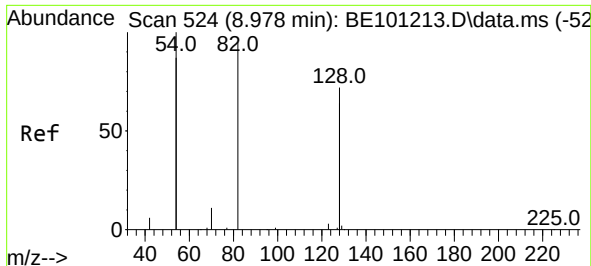
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#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.615 min Scan# 650  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

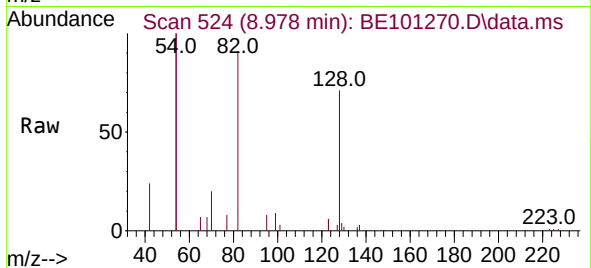
Tgt Ion: 136 Resp: 18949  
Ion Ratio Lower Upper  
136 100  
137 11.9 8.6 13.0  
54 57.7 34.7 52.1#  
68 14.0 7.0 10.4#





#8  
Nitrobenzene-d5  
Concen: 0.46 ng  
RT: 8.978 min Scan# 524  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

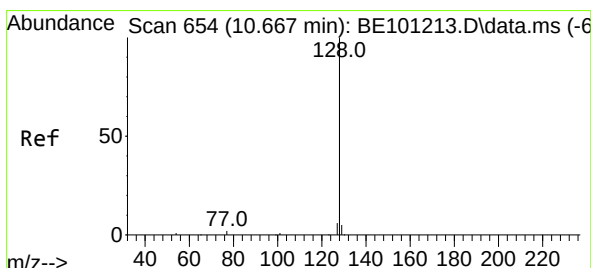
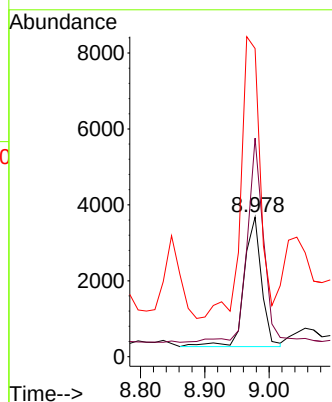
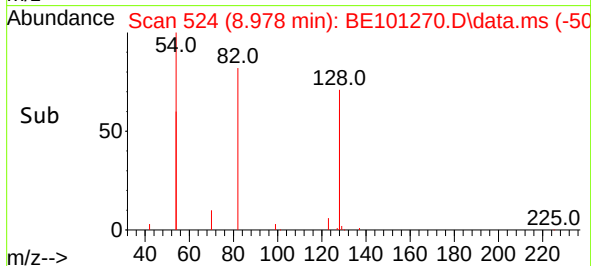
Instrument :  
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ClientSampleId :  
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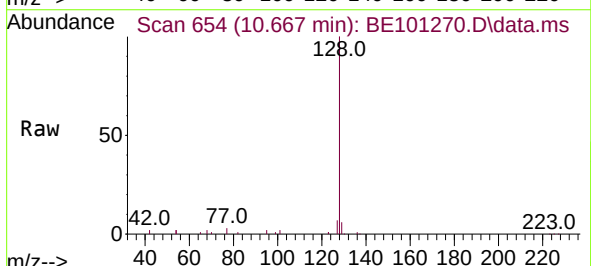
Tgt Ion: 82 Resp: 6413  
Ion Ratio Lower Upper  
82 100  
128 156.6 118.7 178.1  
54 221.0 164.4 246.6

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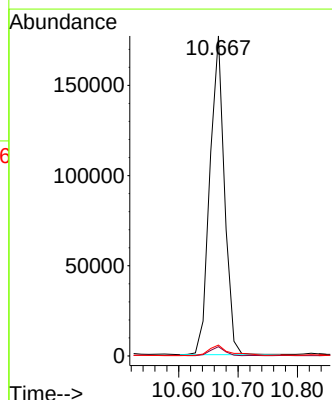
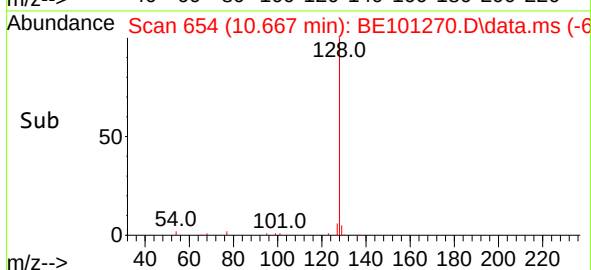
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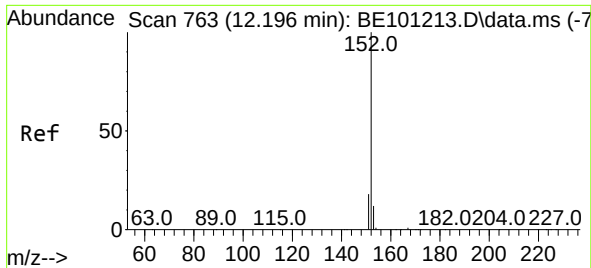


#9  
Naphthalene  
Concen: 1.46 ng  
RT: 10.667 min Scan# 654  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49



Tgt Ion: 128 Resp: 301722  
Ion Ratio Lower Upper  
128 100  
129 2.9 2.2 3.4  
127 3.4 2.6 3.8





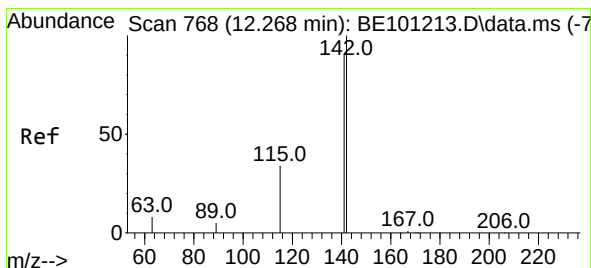
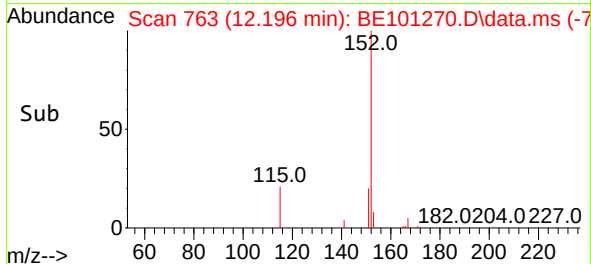
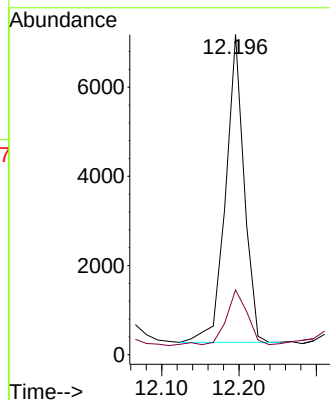
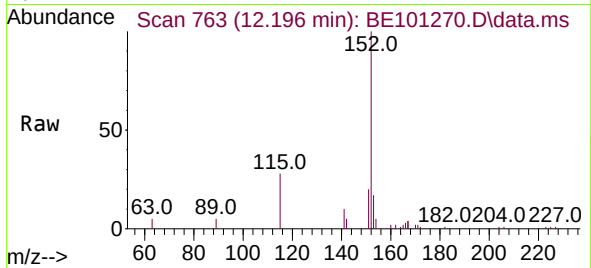
#11  
2-Methylnaphthalene-d10  
Concen: 0.26 ng  
RT: 12.196 min Scan# 763  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

Instrument :  
BNA\_E  
ClientSampleId :  
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Tgt Ion:152 Resp: 11490  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.5 24.7

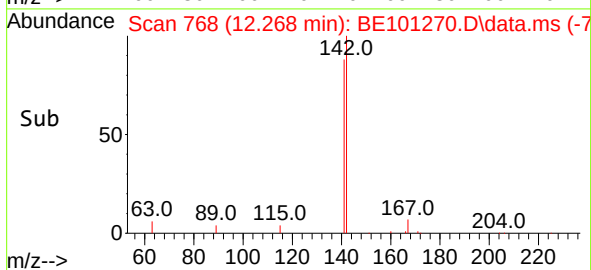
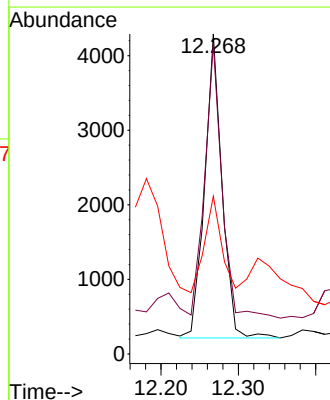
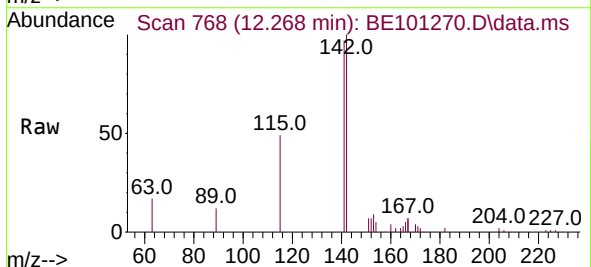
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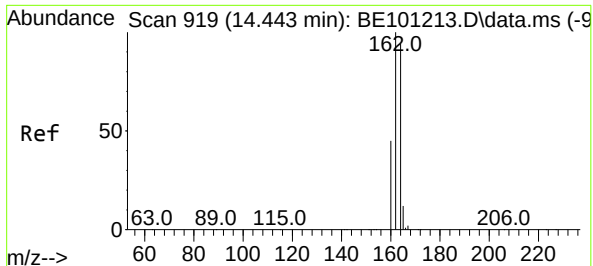
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#12  
2-Methylnaphthalene  
Concen: 0.17 ng  
RT: 12.268 min Scan# 768  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

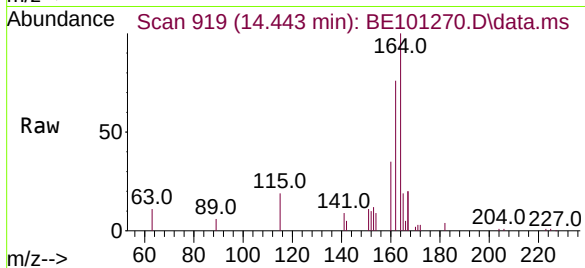
Tgt Ion:142 Resp: 6353  
Ion Ratio Lower Upper  
142 100  
141 96.9 73.0 109.6  
115 49.3 27.8 41.8#





#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.443 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

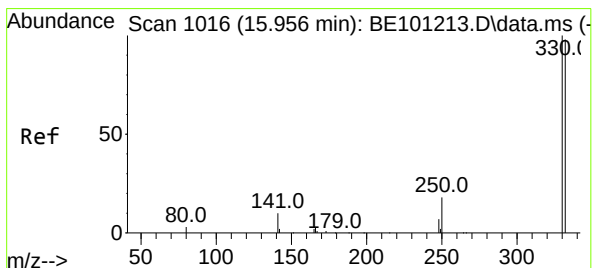
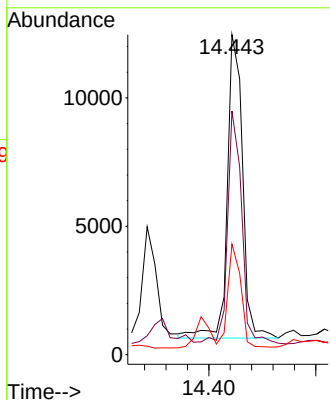
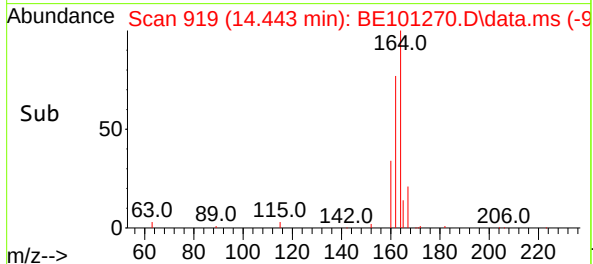
Instrument :  
BNA\_E  
ClientSampleId :  
MW-123RRE



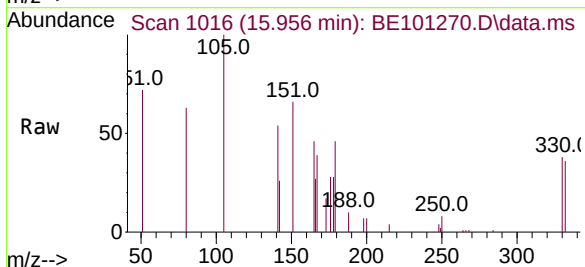
Tgt Ion:164 Resp: 23323  
Ion Ratio Lower Upper  
164 100  
162 76.1 85.3 127.9#  
160 34.6 39.1 58.7#

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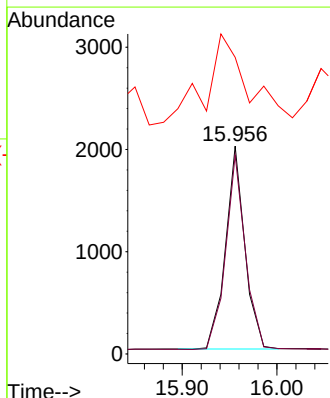
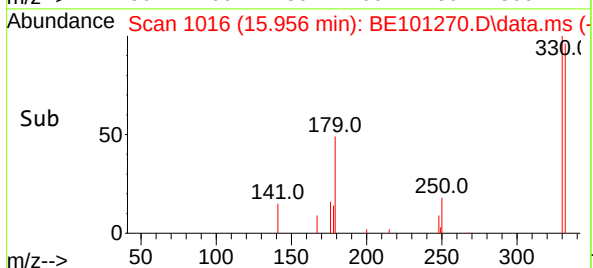
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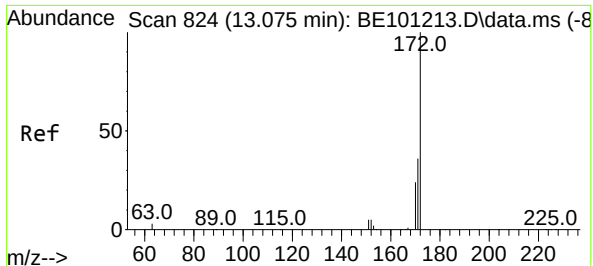


#14  
2,4,6-Tribromophenol  
Concen: 0.45 ng  
RT: 15.956 min Scan# 1016  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49



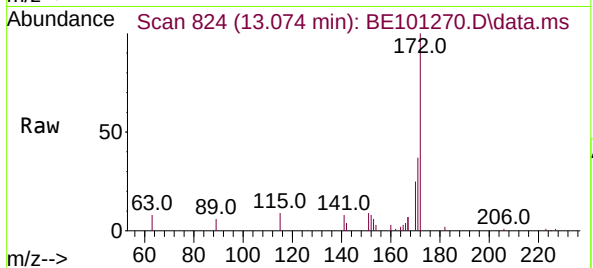
Tgt Ion:330 Resp: 2800  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.8 116.6  
141 91.6 30.4 45.6#





#15  
2-Fluorobiphenyl  
Concen: 0.20 ng  
RT: 13.074 min Scan# 824  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

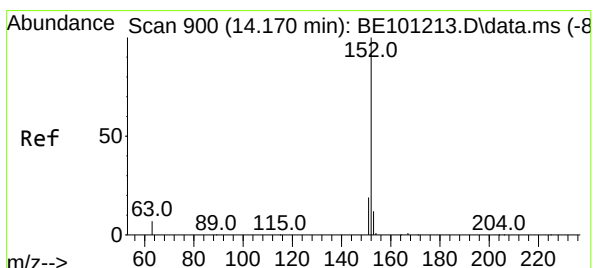
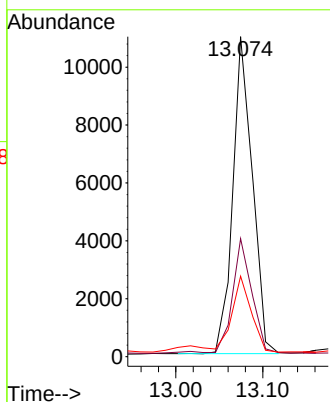
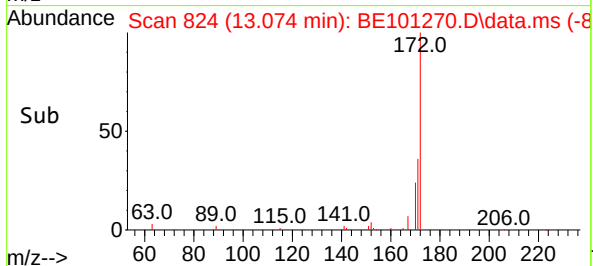
Instrument :  
BNA\_E  
ClientSampleId :  
MW-123RRE



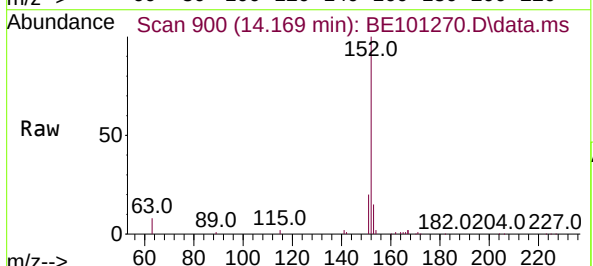
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.7  | 43.1  |
| 170     | 25.1  | 19.3  | 28.9  |

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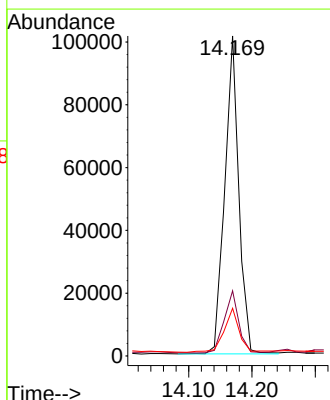
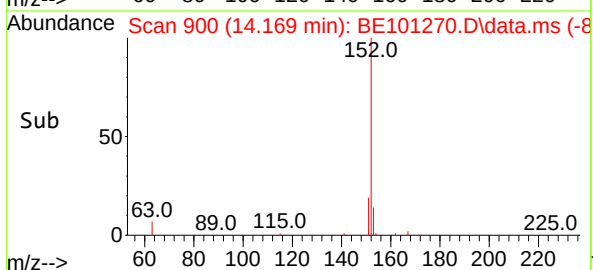
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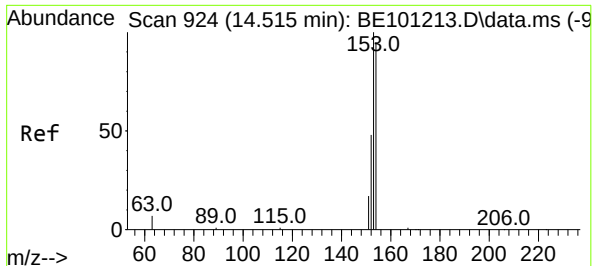
#16  
Acenaphthylene  
Concen: 1.72 ng  
RT: 14.169 min Scan# 900  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.1  | 15.4  | 23.2  |
| 153     | 14.7  | 10.0  | 15.0  |







#17

Acenaphthene

Concen: 0.87 ng

RT: 14.515 min Scan# 924

Delta R.T. -0.000 min

Lab File: BE101270.D

Acq: 9 Apr 2021 14:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 154   | Resp: | 59024 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 109.1 | 84.9  | 127.3 |
| 152      | 50.2  | 42.7  | 64.1  |

Instrument :

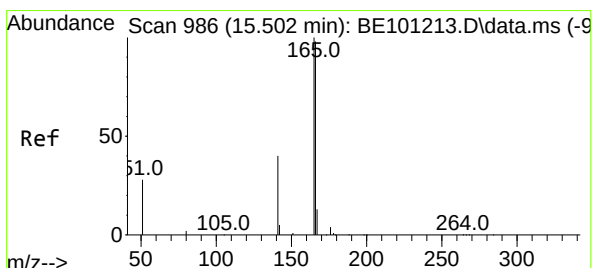
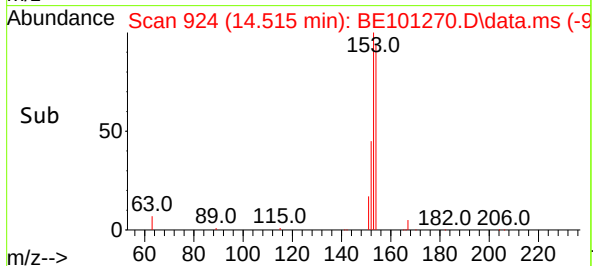
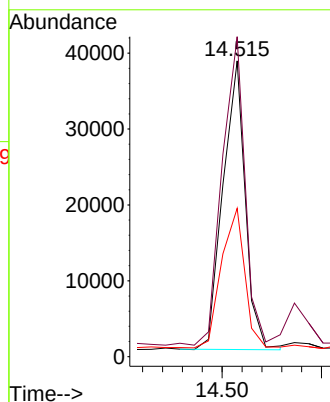
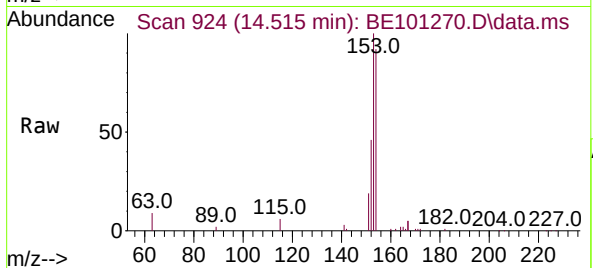
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#18

Fluorene

Concen: 0.86 ng

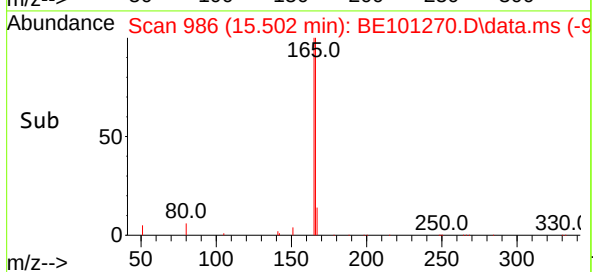
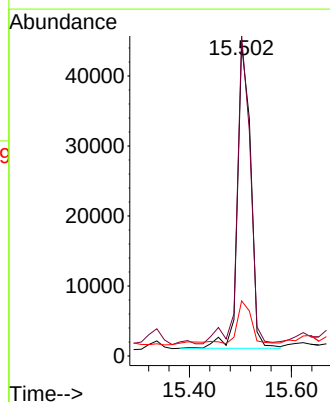
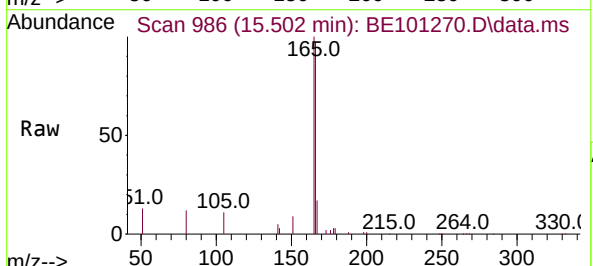
RT: 15.502 min Scan# 986

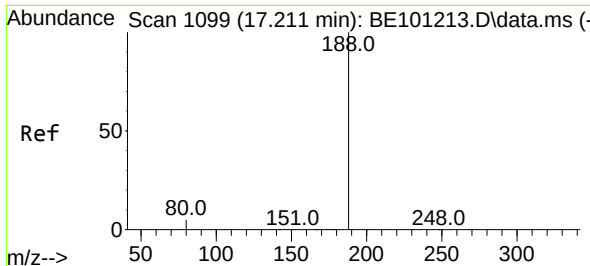
Delta R.T. 0.001 min

Lab File: BE101270.D

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 78457 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.2  | 79.0  | 118.4 |
| 167      | 18.5  | 11.0  | 16.4  |





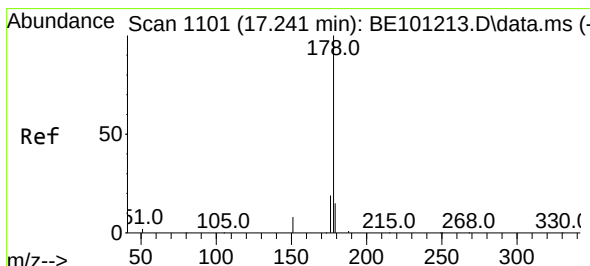
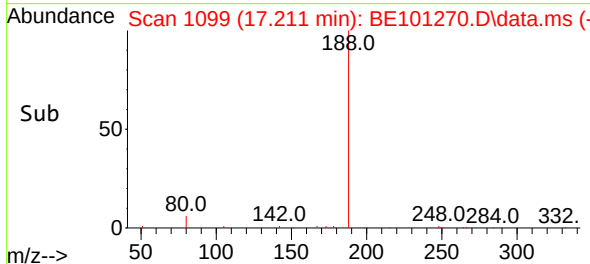
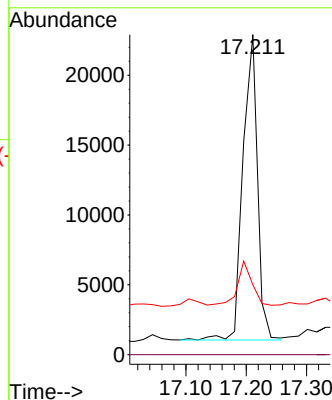
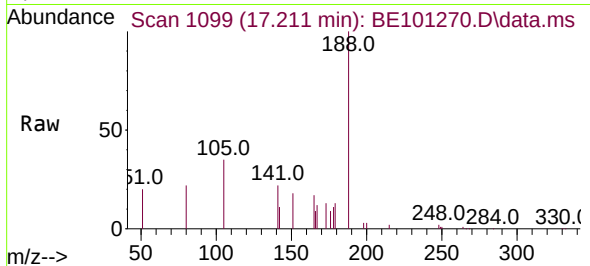
#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.211 min Scan# 1099  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
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Tgt Ion:188 Resp: 36623  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 21.9 4.6 6.8#

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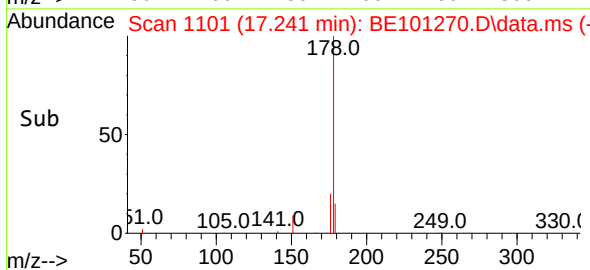
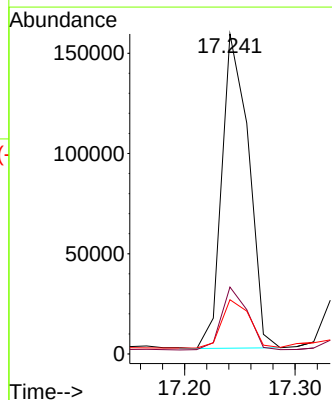
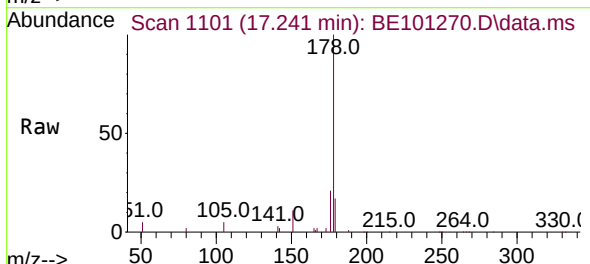
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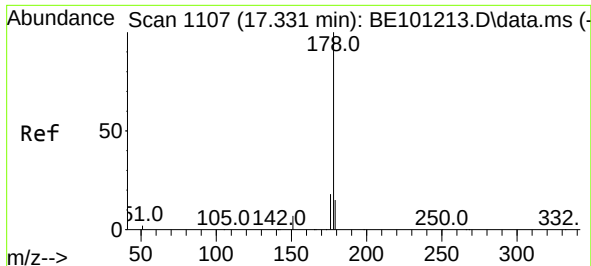
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#25  
Phenanthrene  
Concen: 2.43 ng  
RT: 17.241 min Scan# 1101  
Delta R.T. 0.001 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

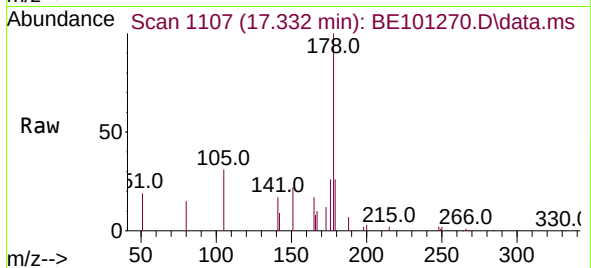
Tgt Ion:178 Resp: 264116  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.0 22.6  
179 16.2 12.2 18.4





#26  
 Anthracene  
 Concen: 0.46 ng  
 RT: 17.332 min Scan# 1107  
 Delta R.T. 0.001 min  
 Lab File: BE101270.D  
 Acq: 9 Apr 2021 14:49

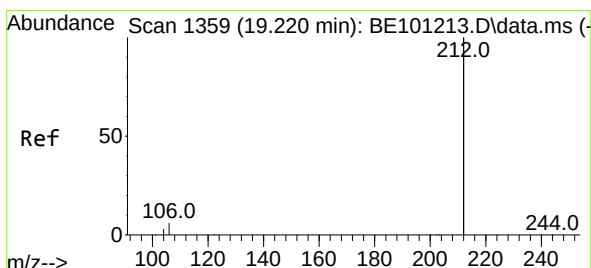
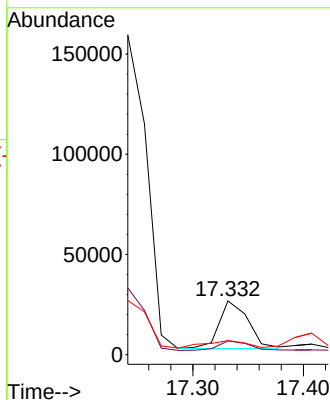
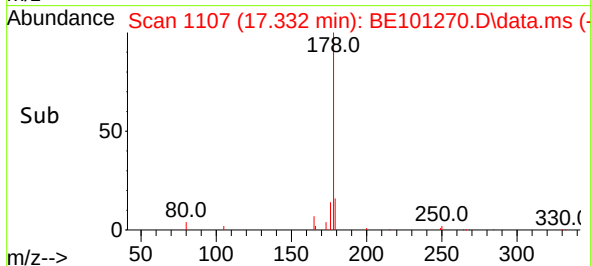
Instrument :  
 BNA\_E  
 ClientSampleId :  
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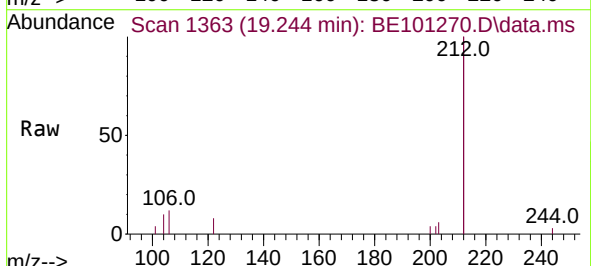
Tgt Ion:178 Resp: 42776  
 Ion Ratio Lower Upper  
 178 100  
 176 22.6 14.4 21.6#  
 179 22.8 11.8 17.8#

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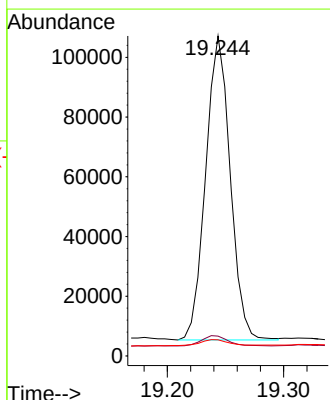
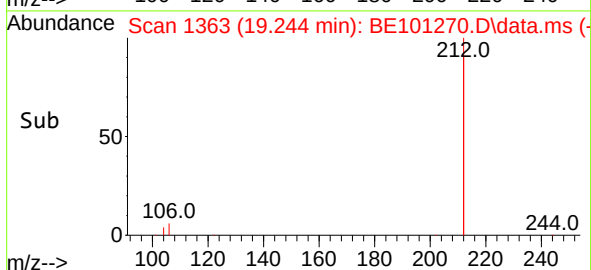
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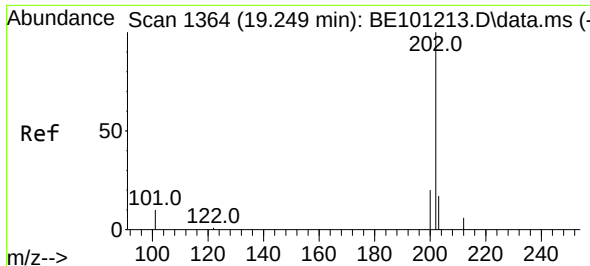


#27  
 Fluoranthene-d10  
 Concen: 0.23 ng  
 RT: 19.244 min Scan# 1363  
 Delta R.T. 0.029 min  
 Lab File: BE101270.D  
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Tgt Ion:212 Resp: 149096  
 Ion Ratio Lower Upper  
 212 100  
 106 3.6 2.6 4.0  
 104 2.6 1.4 2.2#





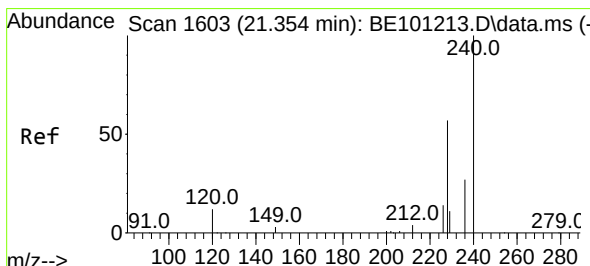
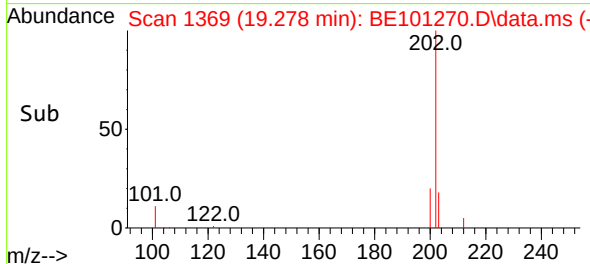
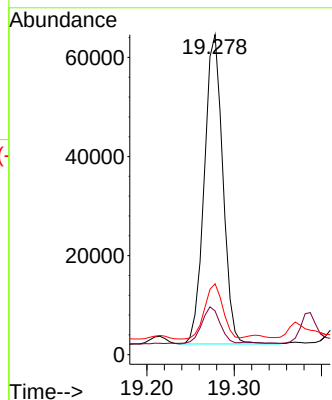
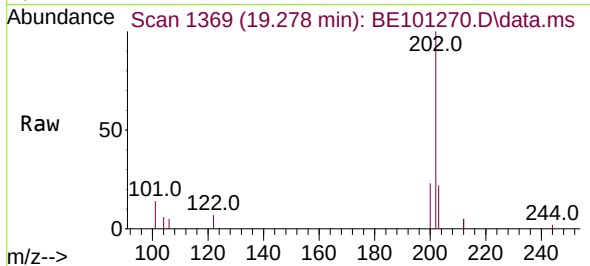
#28  
Fluoranthene  
Concen: 0.65 ng  
RT: 19.278 min Scan# 1369  
Delta R.T. 0.035 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 91970 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.7  | 9.1   | 13.7  |
| 203       | 17.6  | 13.6  | 20.4  |

Instrument :  
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ClientSampleId :  
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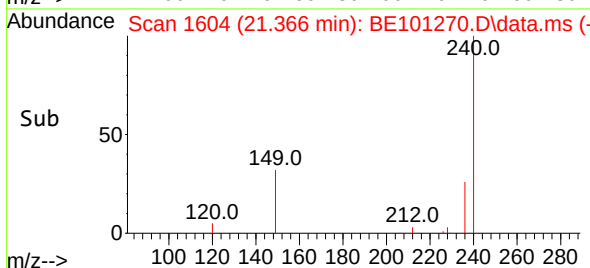
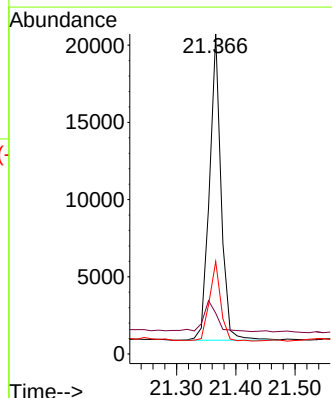
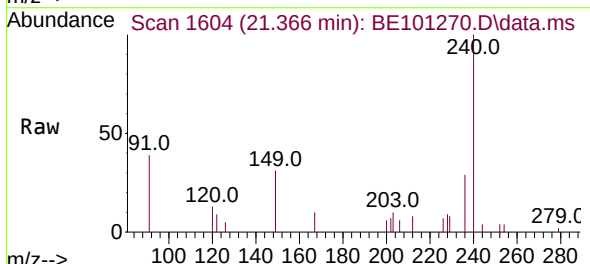
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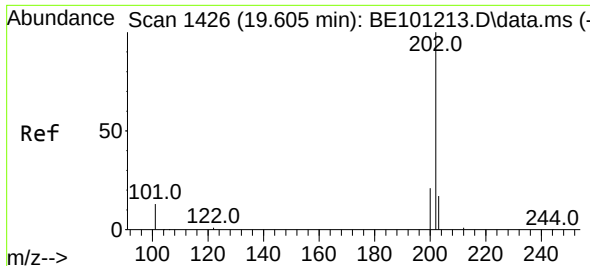
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#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.366 min Scan# 1604  
Delta R.T. 0.012 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 26921 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 12.8  | 10.2  | 15.4  |
| 236       | 28.9  | 21.7  | 32.5  |





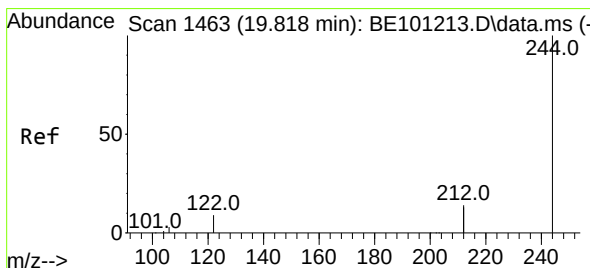
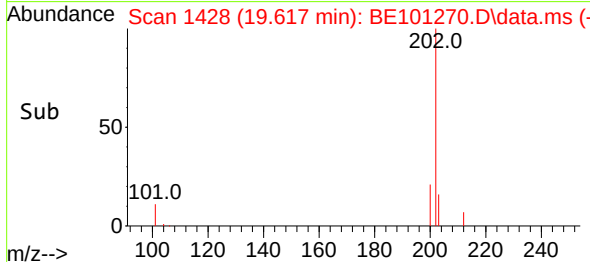
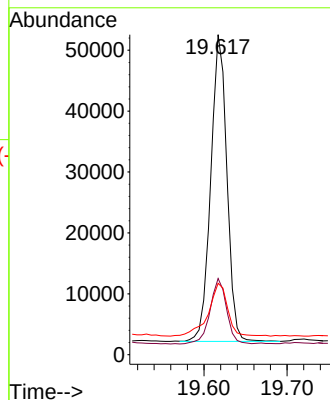
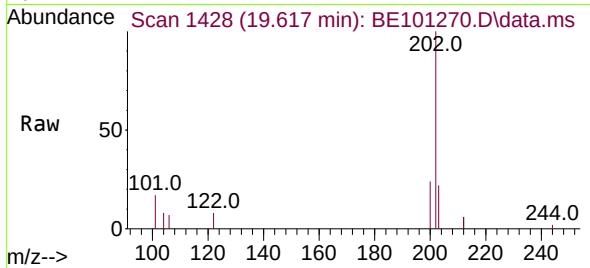
#30  
Pyrene  
Concen: 0.70 ng  
RT: 19.617 min Scan# 1428  
Delta R.T. 0.012 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

Tgt Ion:202 Resp: 67903  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.6 24.8  
203 20.5 13.8 20.8

Instrument :  
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ClientSampleId :  
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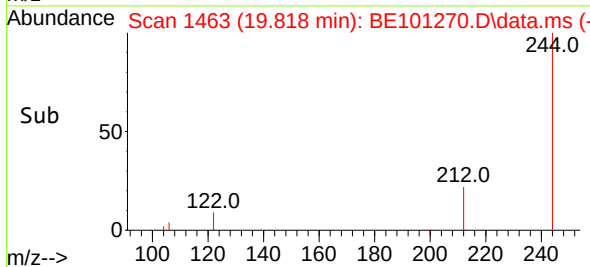
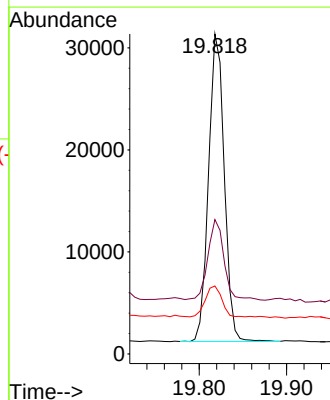
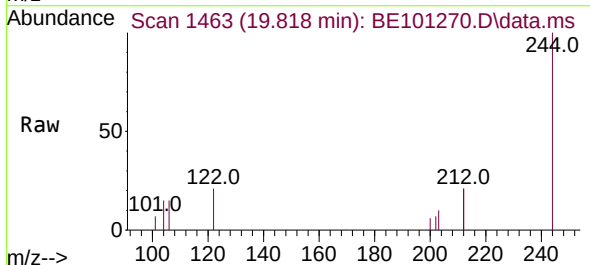
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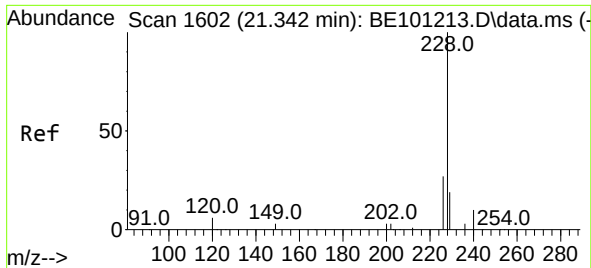
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#31  
Terphenyl-d14  
Concen: 0.52 ng  
RT: 19.818 min Scan# 1463  
Delta R.T. 0.006 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

Tgt Ion:244 Resp: 37739  
Ion Ratio Lower Upper  
244 100  
212 42.0 21.9 32.9#  
122 21.2 7.3 10.9#





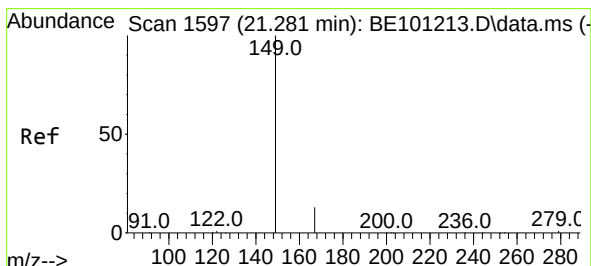
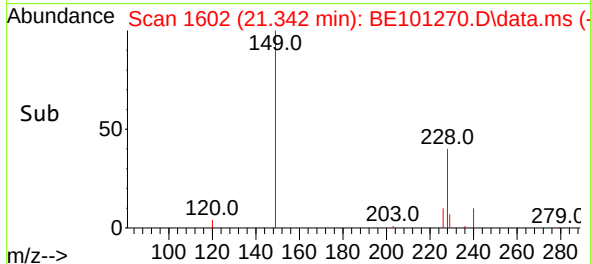
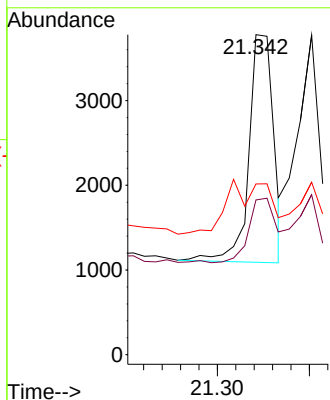
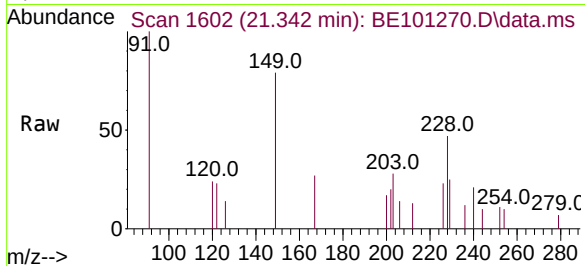
#32  
Benzo(a)anthracene  
Concen: 0.07 ng  
RT: 21.342 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
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Tgt Ion: 228 Resp: 5049  
Ion Ratio Lower Upper  
228 100  
226 48.4 21.4 32.2#  
229 53.3 15.7 23.5#

Instrument :  
BNA\_E  
ClientSampleId :  
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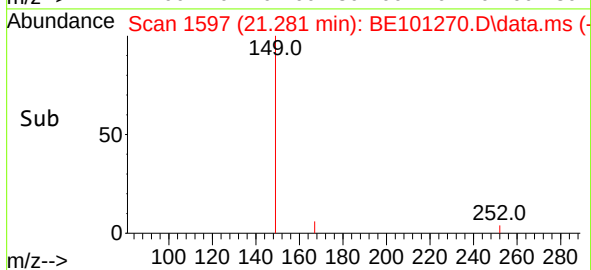
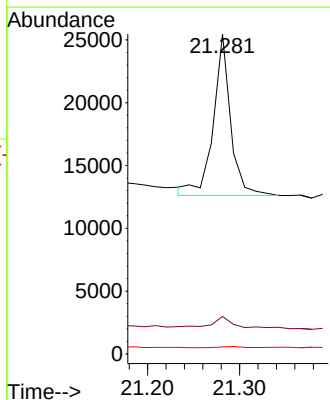
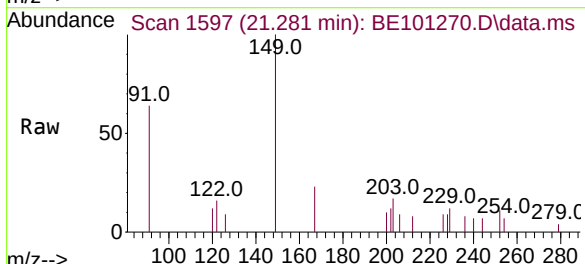
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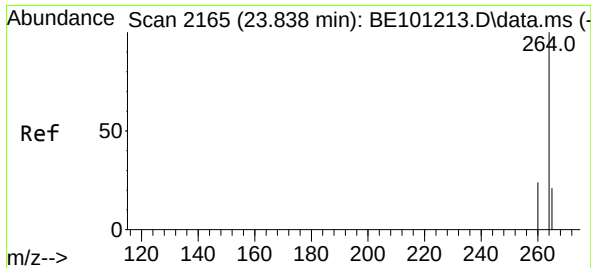
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#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.30 ng  
RT: 21.281 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

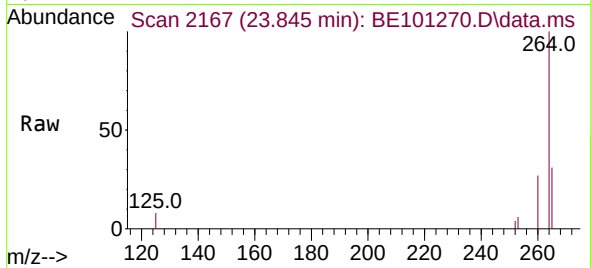
Tgt Ion: 149 Resp: 16620  
Ion Ratio Lower Upper  
149 100  
167 7.1 5.5 8.3  
279 0.9 1.0 1.4#





#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.845 min Scan# 2167  
Delta R.T. 0.011 min  
Lab File: BE101270.D  
Acq: 9 Apr 2021 14:49

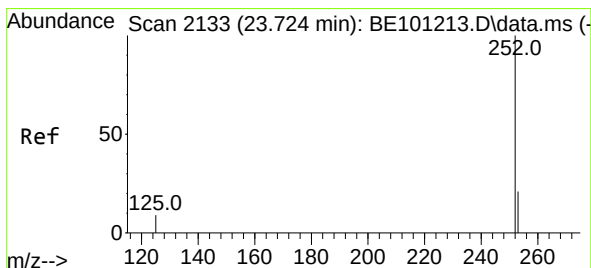
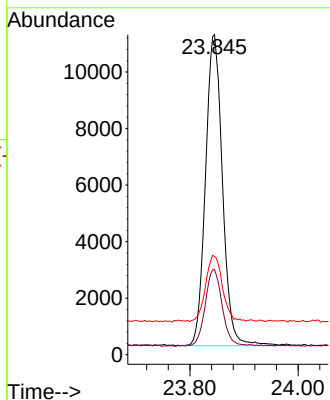
Instrument :  
BNA\_E  
ClientSampleId :  
MW-123RRE



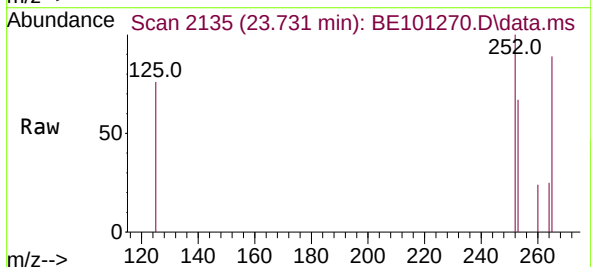
Tgt Ion:264 Resp: 24049  
Ion Ratio Lower Upper  
264 100  
260 26.6 19.3 28.9  
265 30.7 22.4 33.6

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#39  
Benzo(a)pyrene  
Concen: 0.03 ng  
RT: 23.731 min Scan# 2135  
Delta R.T. 0.007 min  
Lab File: BE101270.D  
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Tgt Ion:252 Resp: 1813  
Ion Ratio Lower Upper  
252 100  
253 66.5 18.0 27.0#  
125 75.6 8.0 12.0#

