

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE033121\  
 Data File : BE101163.D  
 Acq On : 31 Mar 2021 15:46  
 Operator : CG/JU  
 Sample : M1835-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ASR6

Quant Time: Mar 31 16:27:46 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-SIM-BE032421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 31 11:11:33 2021  
 Response via : Initial Calibration

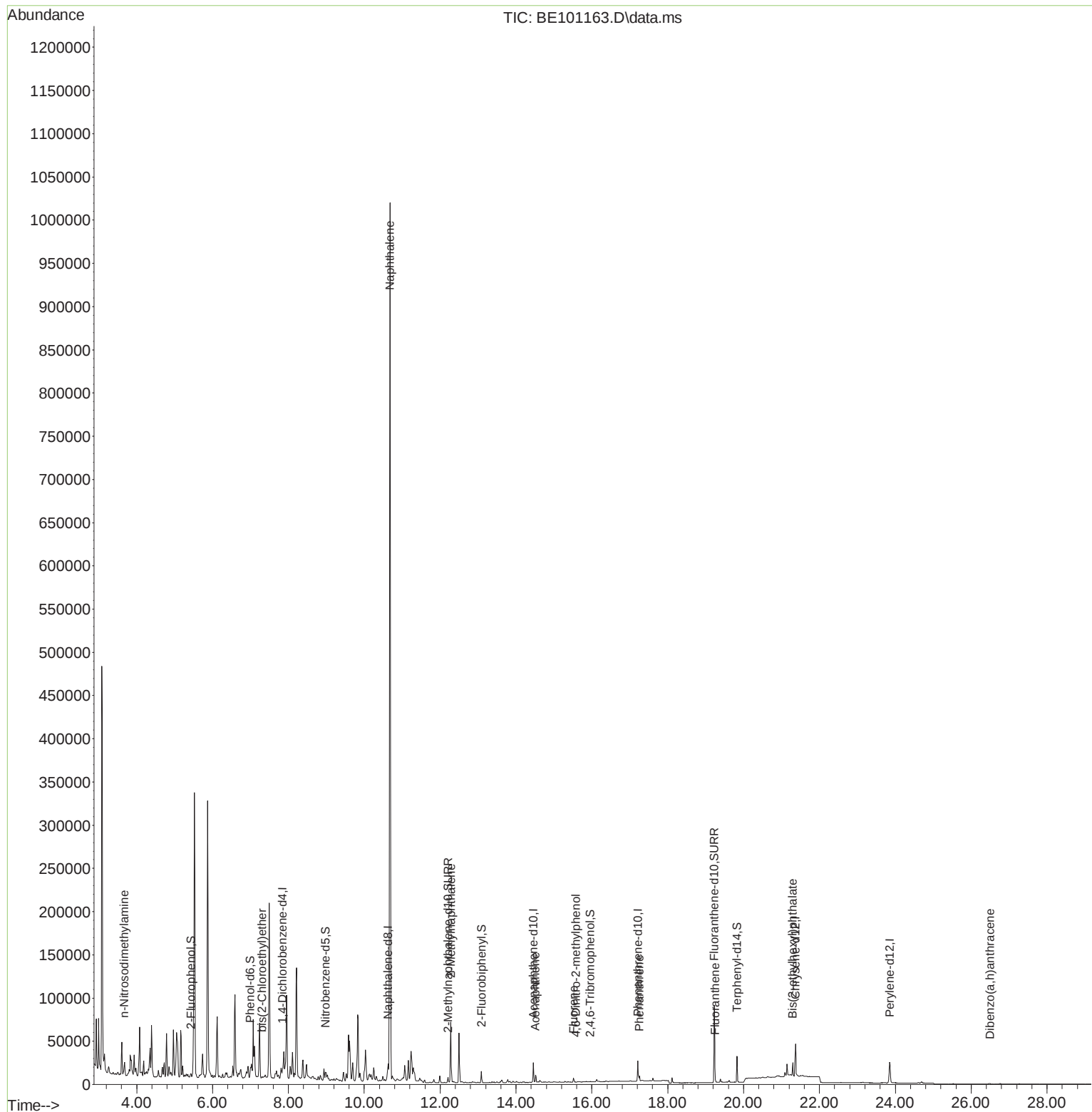
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.849  | 152  | 4232     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.627 | 136  | 19147    | 0.40 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.458 | 164  | 12600    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.212 | 188  | 29953    | 0.40 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 38393    | 0.40 | ng    | #-0.01   |
| 36) Perylene-d12              | 23.852 | 264  | 37094    | 0.40 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.431  | 112  | 927      | 0.09 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.997  | 99   | 1113     | 0.07 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.977  | 82   | 4993     | 0.44 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.210 | 152  | 7716     | 0.25 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.957 | 330  | 271      | 0.12 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.089 | 172  | 10938    | 0.23 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.226 | 212  | 118302   | 0.31 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.829 | 244  | 27690    | 0.32 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
|                               |        |      |          |      |       | Qvalue   |
| 3) n-Nitrosodimethylamine     | 3.680  | 42   | 4922     | 0.69 | ng    | # 2      |
| 6) bis(2-Chloroethyl)ether    | 7.308  | 93   | 596      | 0.05 | ng    | # 1      |
| 9) Naphthalene                | 10.679 | 128  | 1615669  | 8.29 | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.282 | 142  | 48336    | 1.44 | ng    | 97       |
| 17) Acenaphthene              | 14.515 | 154  | 4925     | 0.14 | ng    | 98       |
| 18) Fluorene                  | 15.519 | 166  | 3195     | 0.07 | ng    | # 98     |
| 20) 4,6-Dinitro-2-methylph... | 15.579 | 198  | 46       | 0.03 | ng    | # 1      |
| 25) Phenanthrene              | 17.258 | 178  | 6663     | 0.08 | ng    | 97       |
| 28) Fluoranthene              | 19.255 | 202  | 2203     | 0.02 | ng    | # 82     |
| 34) Bis(2-ethylhexyl)phtha... | 21.293 | 149  | 18043    | 0.28 | ng    | # 99     |
| 40) Dibenzo(a,h)anthracene    | 26.505 | 278  | 298      | 0.11 | ng    | # 1      |
| -----                         |        |      |          |      |       |          |

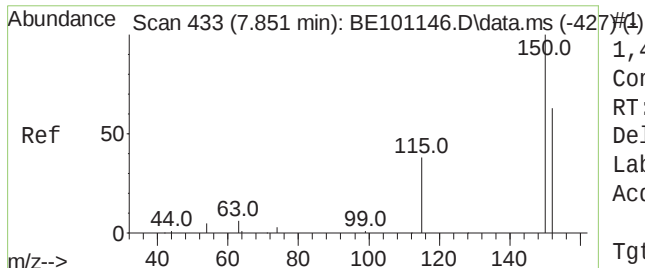
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE033121\  
Data File : BE101163.D  
Acq On : 31 Mar 2021 15:46  
Operator : CG/JU  
Sample : M1835-06  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
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Quant Time: Mar 31 16:27:46 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_E\Methods\8270-SIM-BE032421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 31 11:11:33 2021  
Response via : Initial Calibration

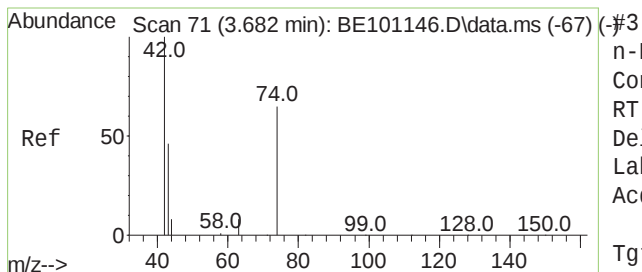
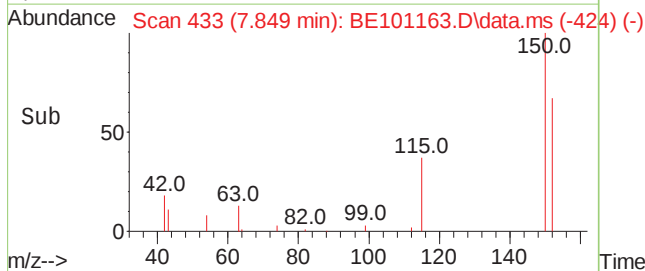
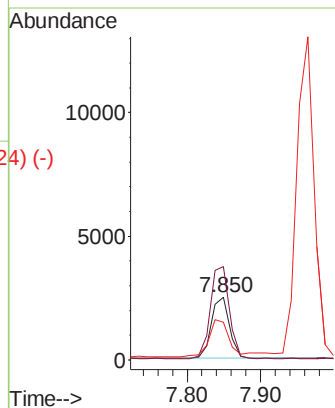
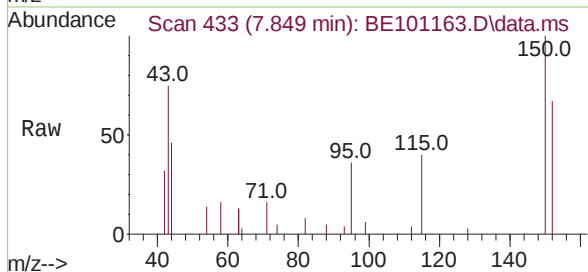




1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.849 min Scan# 433  
 Delta R.T. -0.002 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

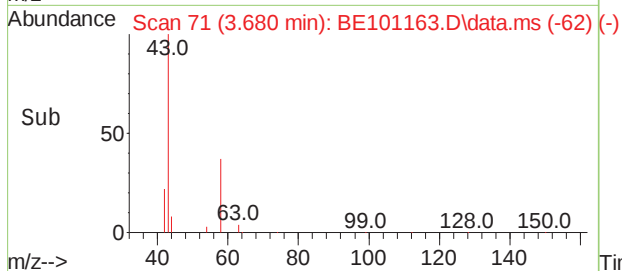
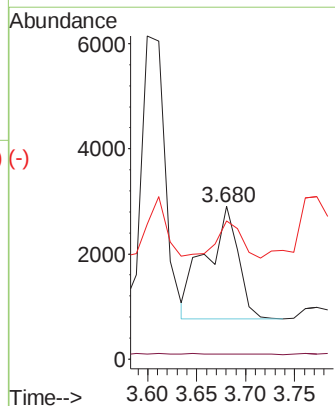
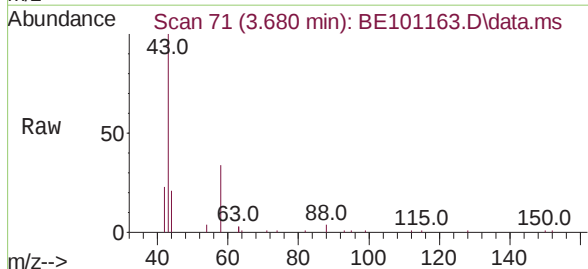
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ASR6

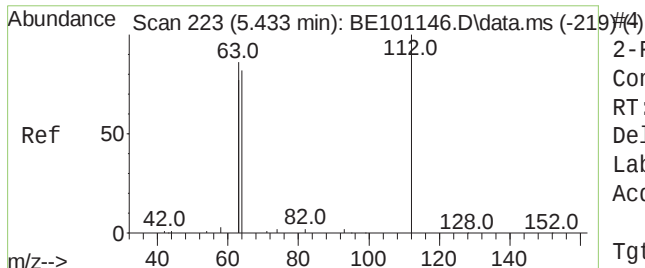
Tgt Ion:152 Resp: 4232  
 Ion Ratio Lower Upper  
 152 100  
 150 148.7 126.3 189.5  
 115 59.8 48.9 73.3



n-Nitrosodimethylamine  
 Concen: 0.69 ng  
 RT: 3.680 min Scan# 71  
 Delta R.T. -0.002 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

Tgt Ion: 42 Resp: 4922  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 87.0 130.6#  
 44 24.2 8.3 12.5#

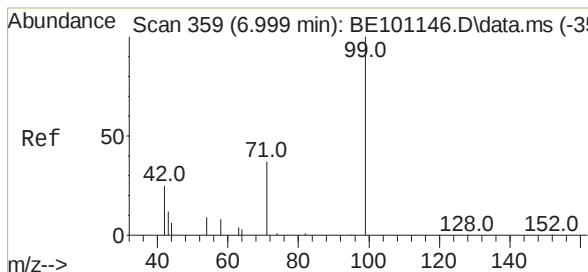
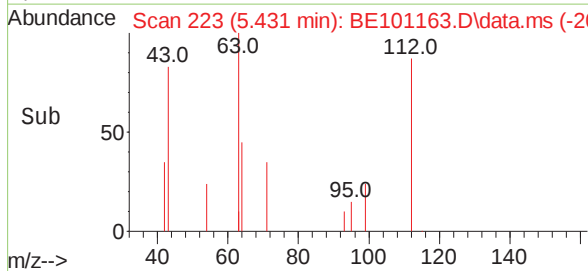
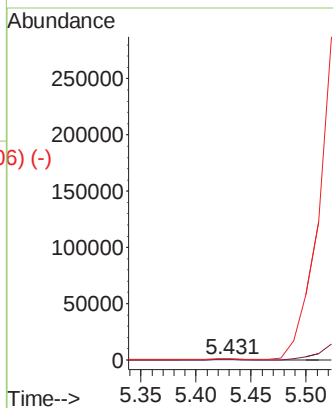
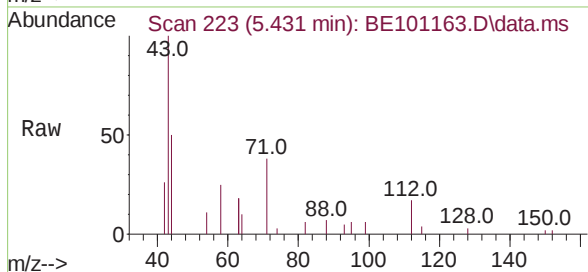




2-Fluorophenol  
 Concen: 0.09 ng  
 RT: 5.431 min Scan# 223  
 Delta R.T. -0.002 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

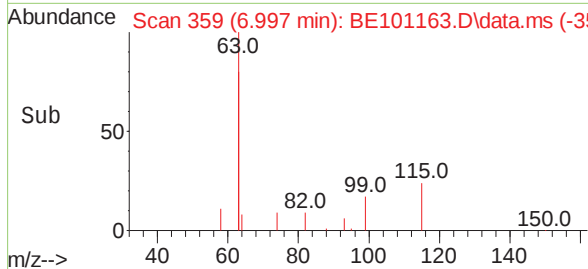
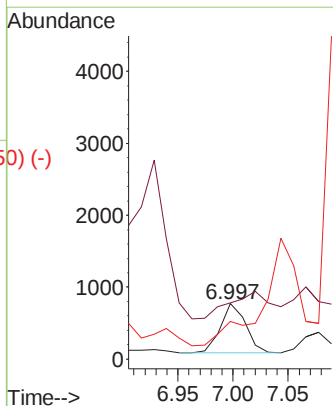
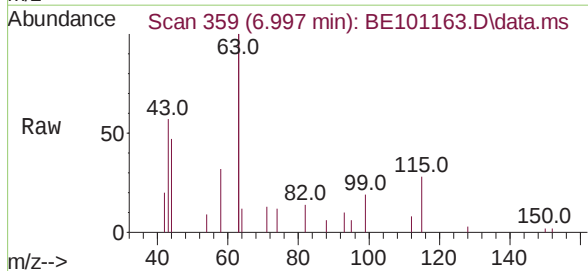
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ASR6

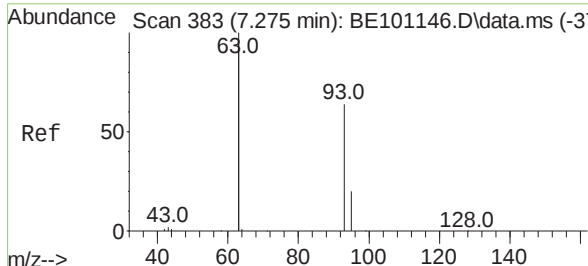
Tgt Ion:112 Resp: 927  
 Ion Ratio Lower Upper  
 112 100  
 64 0.0 60.8 91.2#  
 63 0.0 119.4 179.0#



Phenol-d6  
 Concen: 0.07 ng  
 RT: 6.997 min Scan# 359  
 Delta R.T. -0.002 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

Tgt Ion: 99 Resp: 1113  
 Ion Ratio Lower Upper  
 99 100  
 42 0.0 18.8 28.2#  
 71 0.0 26.3 39.5#

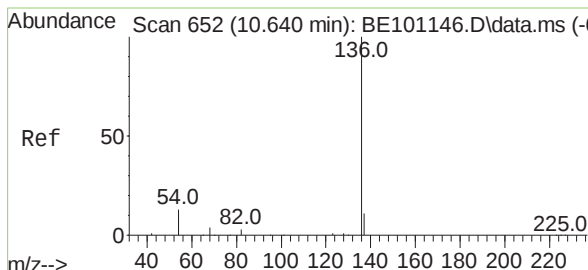
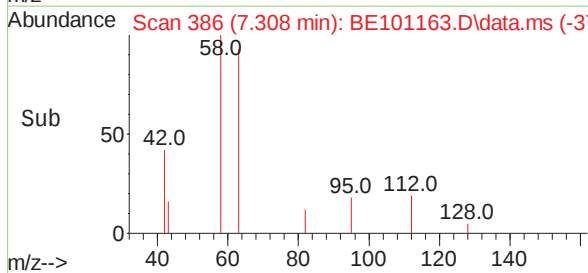
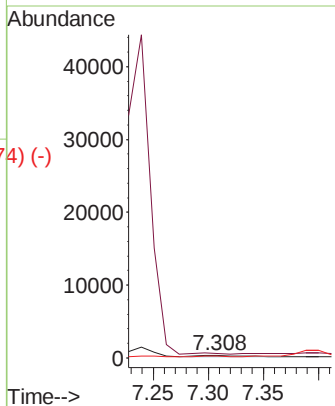
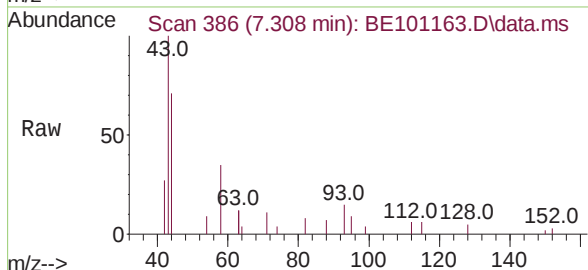




Scan 383 (7.275 min): BE101146.D\data.ms (-379) #6  
 bis(2-Chloroethyl)ether  
 Concen: 0.05 ng  
 RT: 7.308 min Scan# 386  
 Delta R.T. 0.033 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

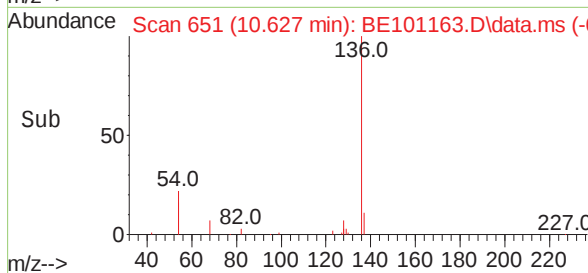
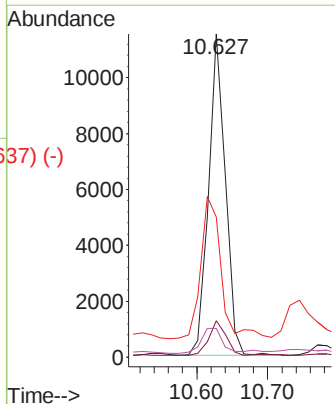
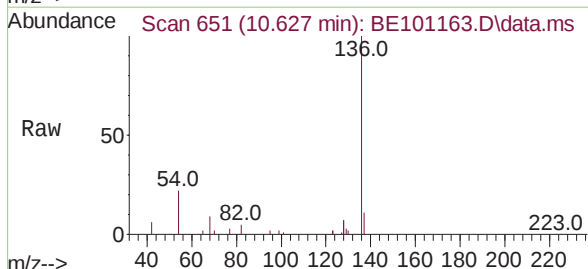
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ASR6

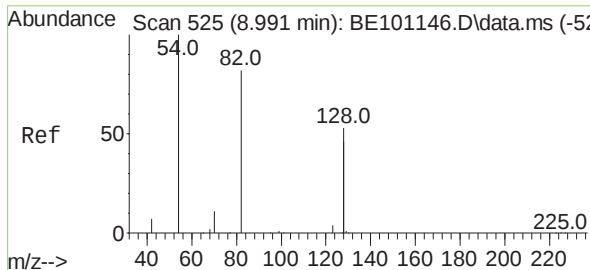
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 596    |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 0.0   | 292.5 | 438.7# |
| 95       | 22.7  | 25.8  | 38.6#  |



Scan 652 (10.640 min): BE101146.D\data.ms (-644) #7  
 Naphthalene-d8  
 Concen: 0.40 ng  
 RT: 10.627 min Scan# 651  
 Delta R.T. -0.013 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 19147 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 8.9   | 13.3  |
| 54       | 43.5  | 20.2  | 30.4# |
| 68       | 8.9   | 4.0   | 6.0#  |

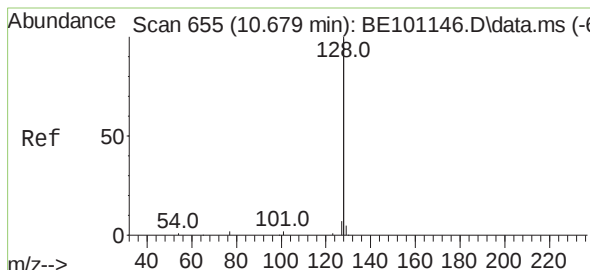
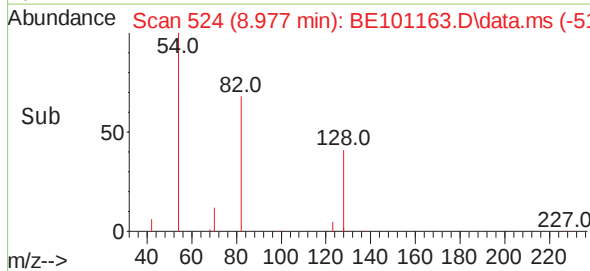
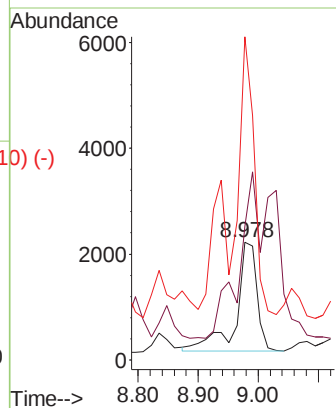
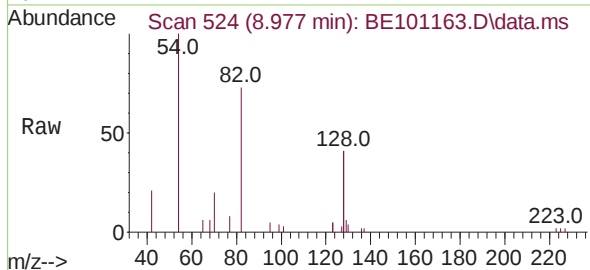




Nitrobenzene-d5  
 Concen: 0.44 ng  
 RT: 8.977 min Scan# 524  
 Delta R.T. -0.013 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

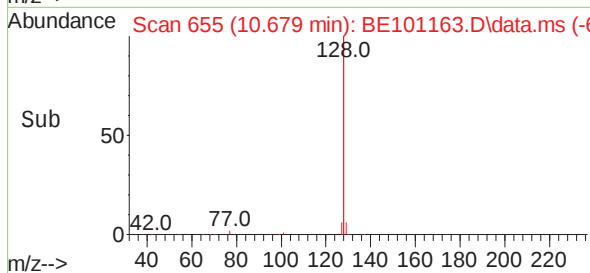
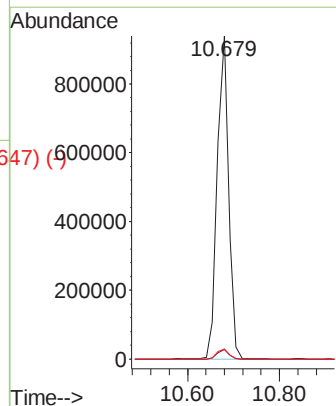
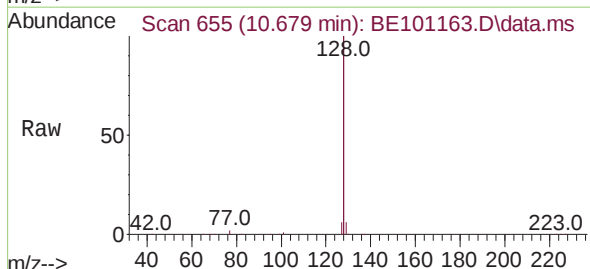
Instrument :  
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 ClientSampleId :  
 ASR6

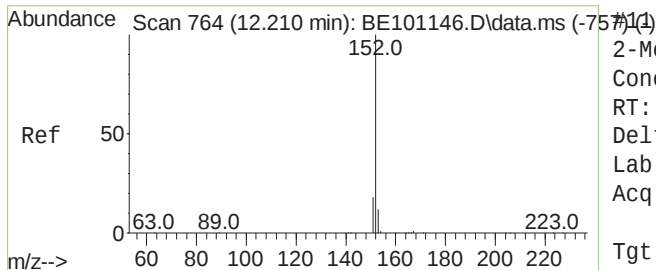
Tgt Ion: 82 Resp: 4993  
 Ion Ratio Lower Upper  
 82 100  
 128 113.3 101.5 152.3  
 54 273.9 189.8 284.6



Naphthalene  
 Concen: 8.29 ng  
 RT: 10.679 min Scan# 655  
 Delta R.T. -0.000 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

Tgt Ion: 128 Resp: 1615669  
 Ion Ratio Lower Upper  
 128 100  
 129 3.0 2.2 3.2  
 127 3.2 2.7 4.1

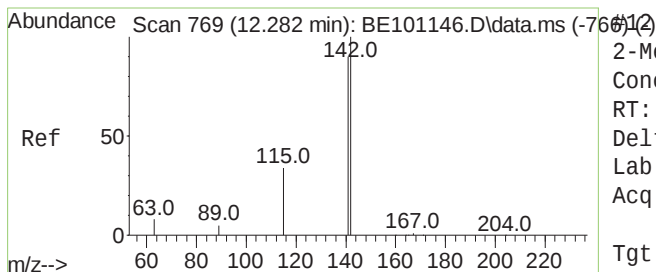
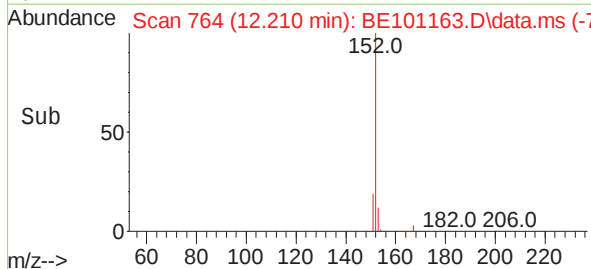
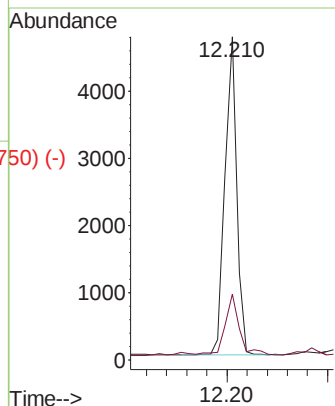
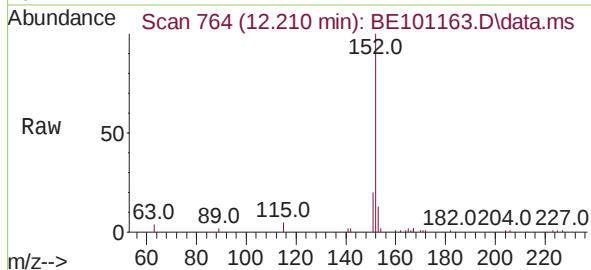




2-Methylnaphthalene-d10  
 Concen: 0.25 ng  
 RT: 12.210 min Scan# 764  
 Delta R.T. -0.000 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

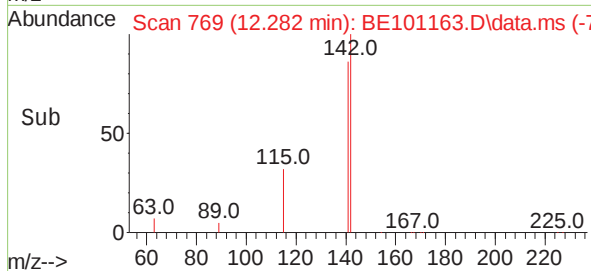
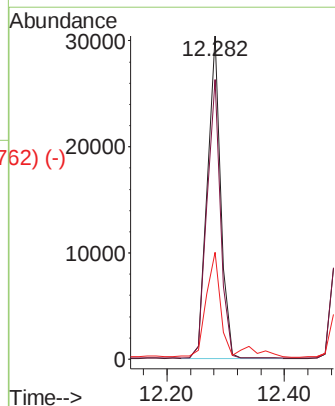
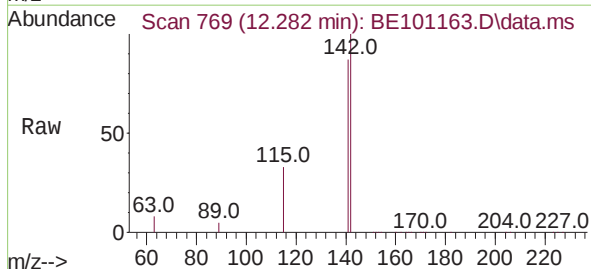
Instrument :  
 BNA\_E  
 ClientSampled :  
 ASR6

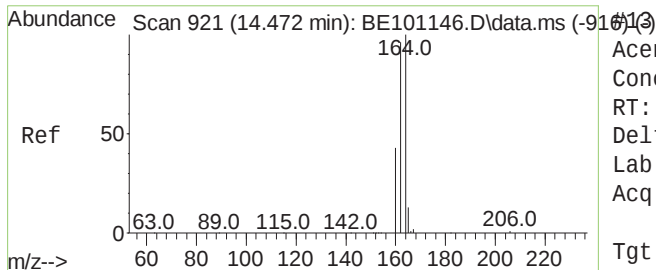
Tgt Ion:152 Resp: 7716  
 Ion Ratio Lower Upper  
 152 100  
 151 23.0 16.6 24.8



2-Methylnaphthalene  
 Concen: 1.44 ng  
 RT: 12.282 min Scan# 769  
 Delta R.T. -0.000 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

Tgt Ion:142 Resp: 48336  
 Ion Ratio Lower Upper  
 142 100  
 141 86.5 71.8 107.6  
 115 33.0 27.8 41.6

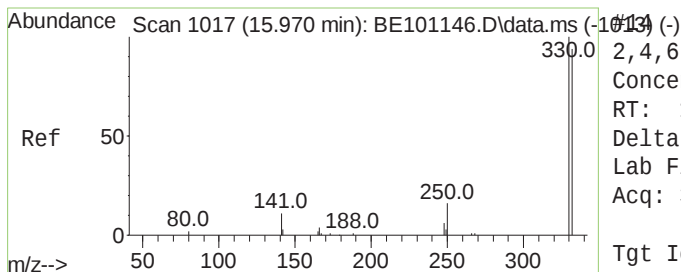
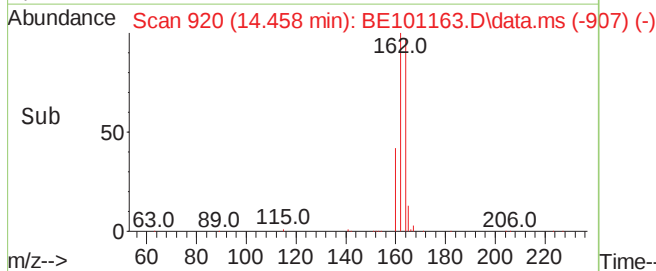
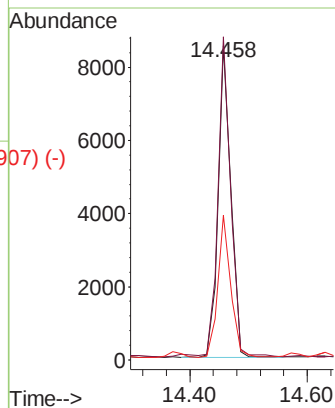
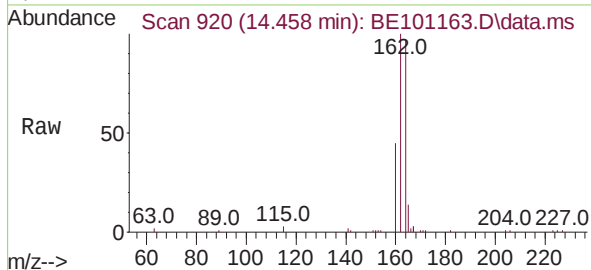




Acenaphthene-d10  
 Concen: 0.40 ng  
 RT: 14.458 min Scan# 920  
 Delta R.T. -0.014 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

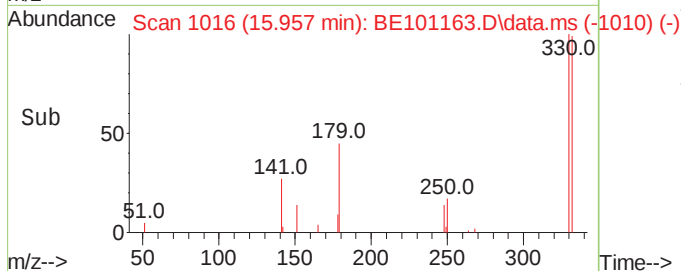
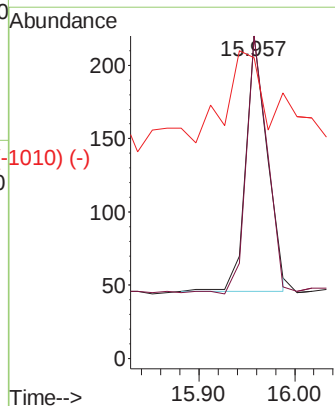
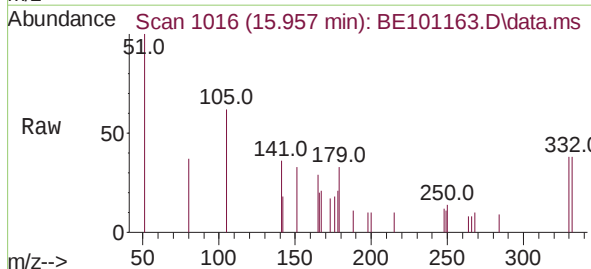
Instrument :  
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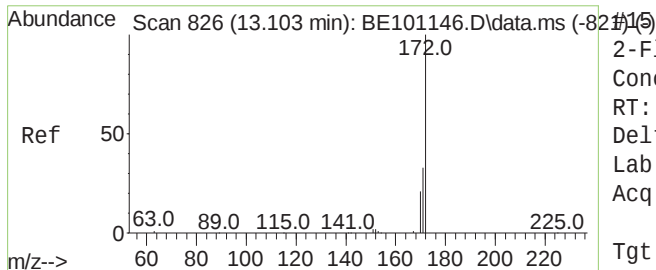
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|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 12600 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 102.9 | 76.6  | 115.0 |
| 160      | 46.2  | 34.5  | 51.7  |



2,4,6-Tribromophenol  
 Concen: 0.12 ng  
 RT: 15.957 min Scan# 1016  
 Delta R.T. -0.013 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 271   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.6  | 69.1  | 103.7 |
| 141      | 56.1  | 30.6  | 45.8# |

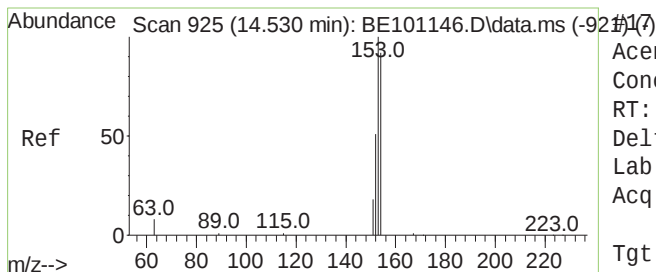
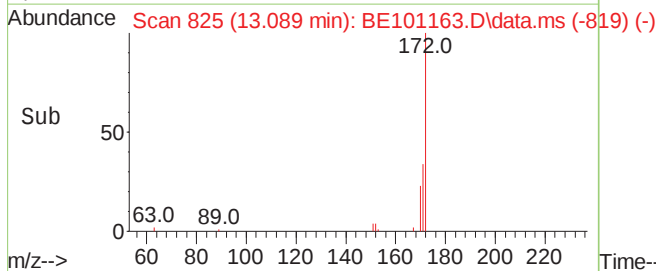
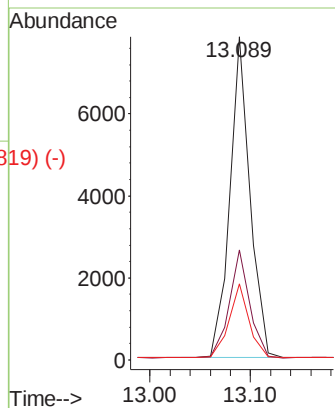
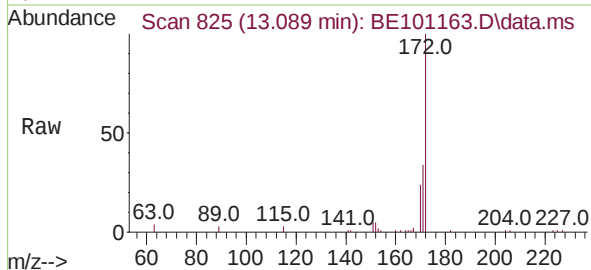




2-Fluorobiphenyl  
 Concen: 0.23 ng  
 RT: 13.089 min Scan# 825  
 Delta R.T. -0.014 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

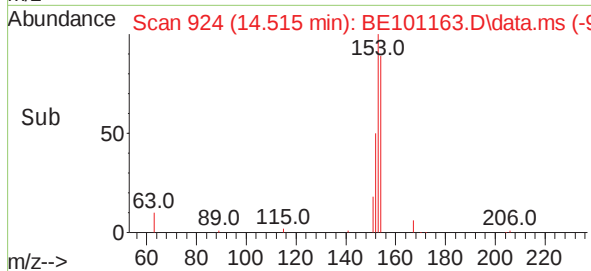
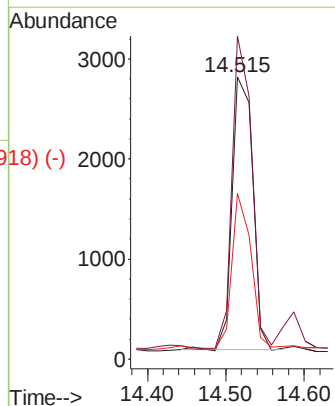
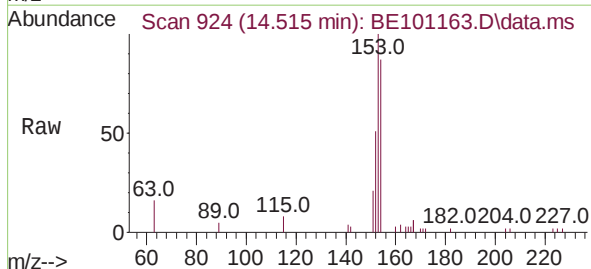
Instrument :  
 BNA\_E  
 ClientSampled :  
 ASR6

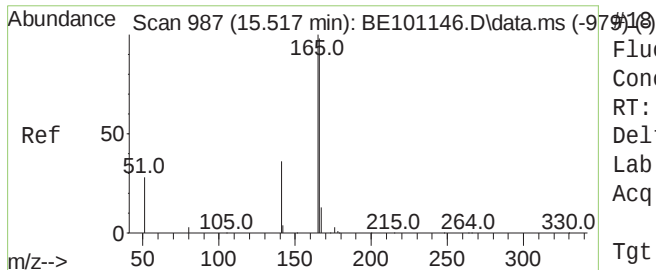
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 10938 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 34.0  | 26.4  | 39.6  |
| 170      | 23.6  | 17.4  | 26.0  |



Acenaphthene  
 Concen: 0.14 ng  
 RT: 14.515 min Scan# 924  
 Delta R.T. -0.014 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 154   | Resp: | 4925  |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 110.1 | 86.7  | 130.1 |
| 152      | 55.8  | 46.1  | 69.1  |

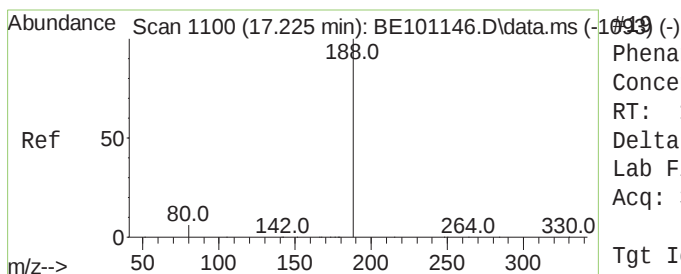
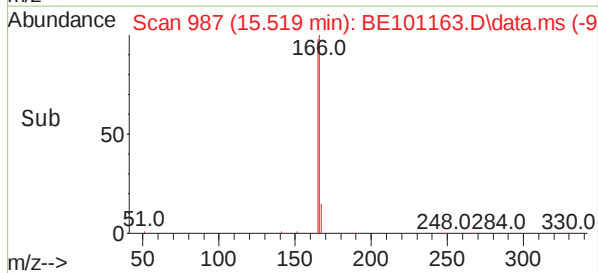
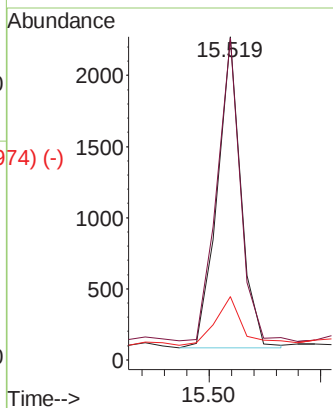
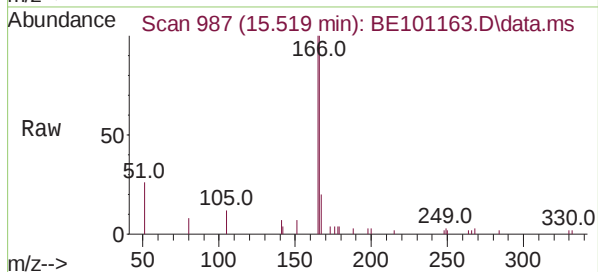




Fluorene  
Concen: 0.07 ng  
RT: 15.519 min Scan# 987  
Delta R.T. 0.002 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

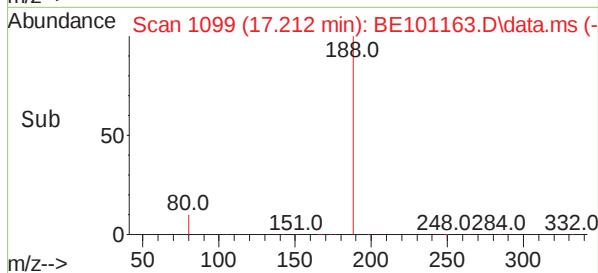
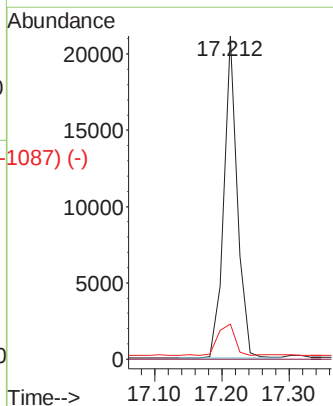
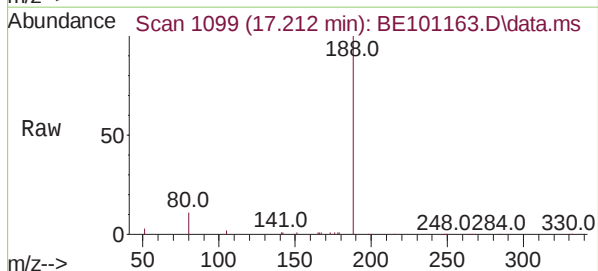
Instrument :  
BNA\_E  
ClientSampleId :  
ASR6

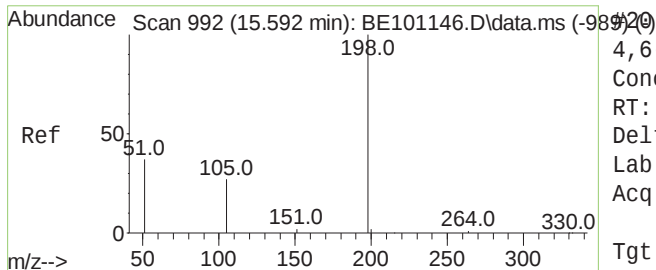
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 3195  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 97.5  | 78.9  | 118.3 |
| 167       | 18.2  | 10.7  | 16.1# |



Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.212 min Scan# 1099  
Delta R.T. -0.013 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 29953 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 10.9  | 4.8   | 7.2#  |

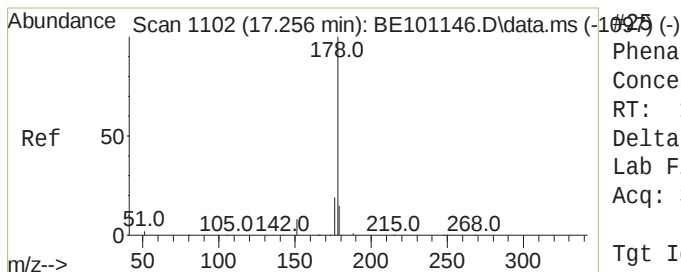
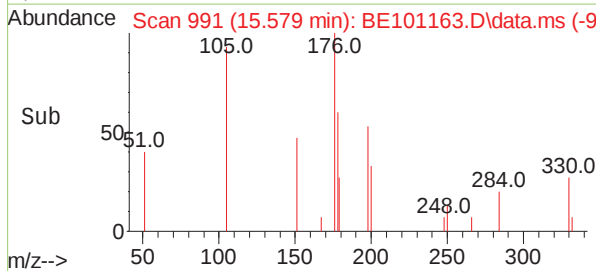
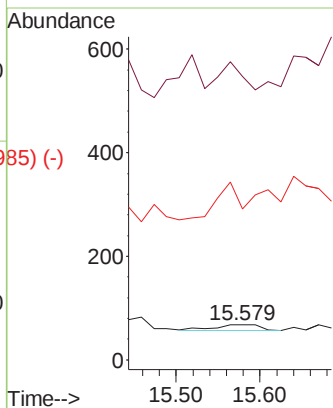
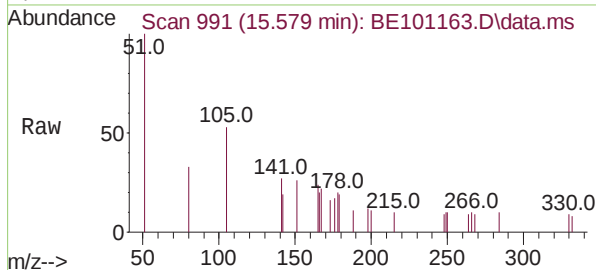




4,6-Dinitro-2-methylphenol  
Concen: 0.03 ng  
RT: 15.579 min Scan# 991  
Delta R.T. -0.013 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

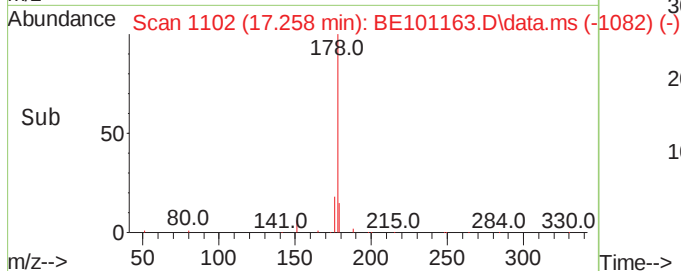
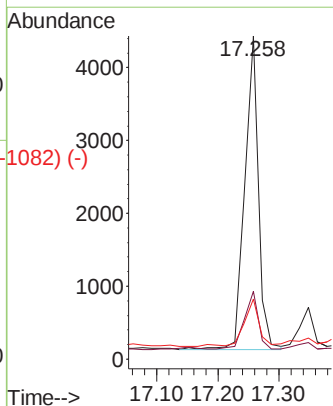
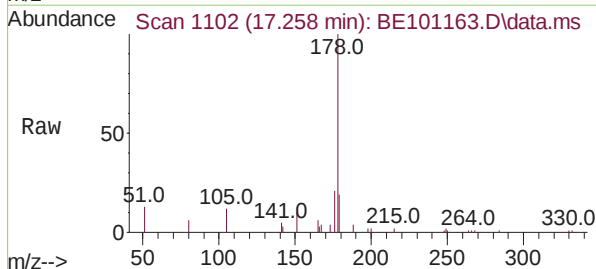
Instrument :  
BNA\_E  
ClientSampleId :  
ASR6

Tgt Ion:198 Resp: 46  
Ion Ratio Lower Upper  
198 100  
51 804.4 68.8 103.2#  
105 427.9 32.7 49.1#

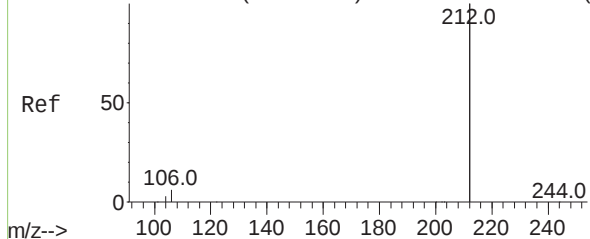


Phenanthrene  
Concen: 0.08 ng  
RT: 17.258 min Scan# 1102  
Delta R.T. 0.002 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

Tgt Ion:178 Resp: 6663  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.7 22.1  
179 17.4 12.4 18.6



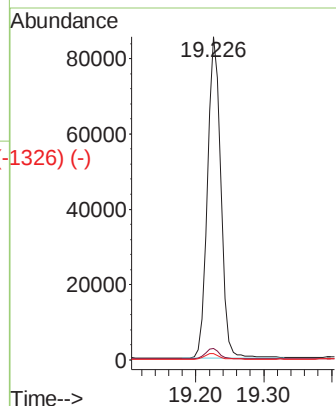
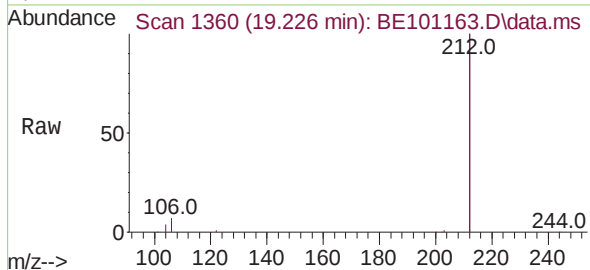
Abundance Scan 1361 (19.232 min): BE101146.D\data.ms (-1323) (-)



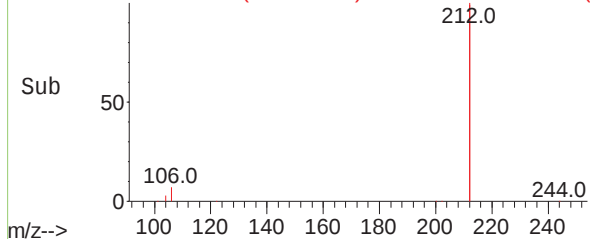
Fluoranthene-d10  
Concen: 0.31 ng  
RT: 19.226 min Scan# 1360  
Delta R.T. -0.006 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

Instrument :  
BNA\_E  
ClientSampleId :  
ASR6

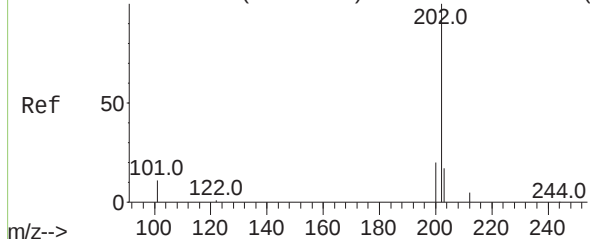
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 212   | Resp: | 118302 |
| Ion      | Ratio | Lower | Upper  |
| 212      | 100   |       |        |
| 106      | 3.5   | 2.6   | 3.8    |
| 104      | 2.0   | 1.4   | 2.2    |



Abundance Scan 1360 (19.226 min): BE101163.D\data.ms (-1326) (-)

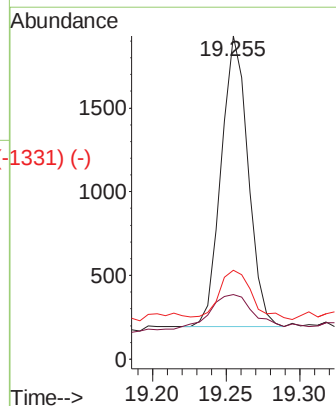
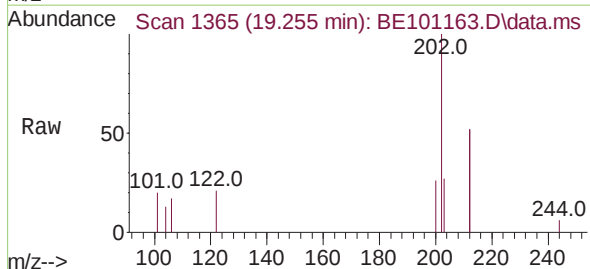


Abundance Scan 1366 (19.261 min): BE101146.D\data.ms (-1329) (-)

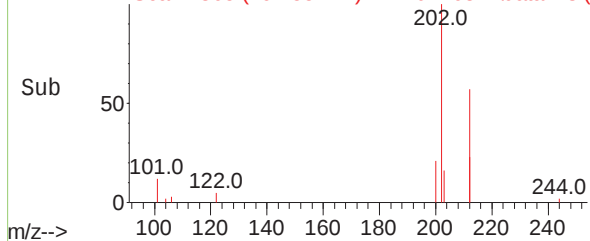


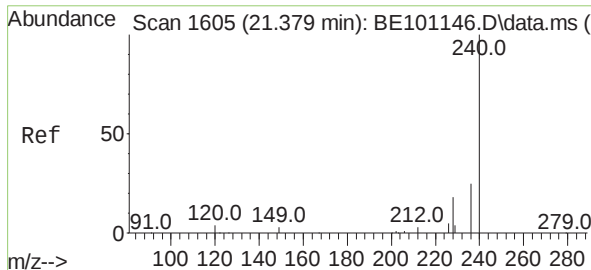
Fluoranthene  
Concen: 0.02 ng  
RT: 19.255 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 2203  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 24.7  | 8.9   | 13.3# |
| 203      | 20.2  | 13.8  | 20.6  |



Abundance Scan 1365 (19.255 min): BE101163.D\data.ms (-1331) (-)

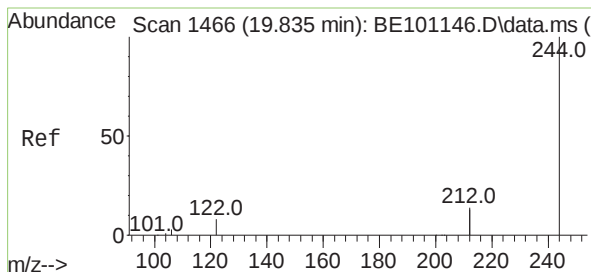
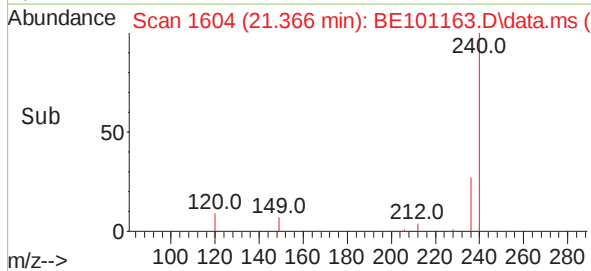
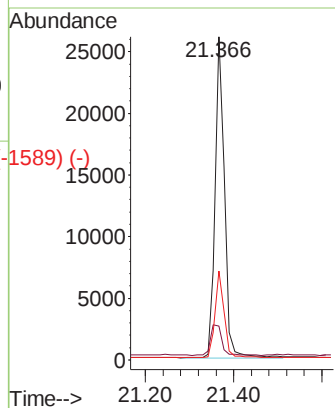
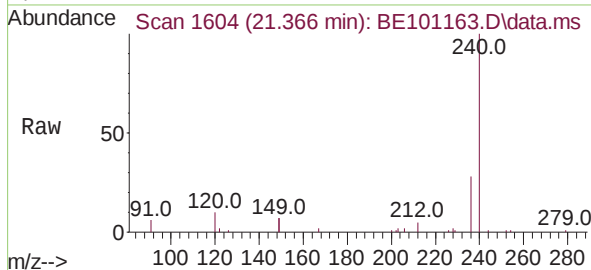




Chrysene-d12  
 Concen: 0.40 ng  
 RT: 21.366 min Scan# 1604  
 Delta R.T. -0.012 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

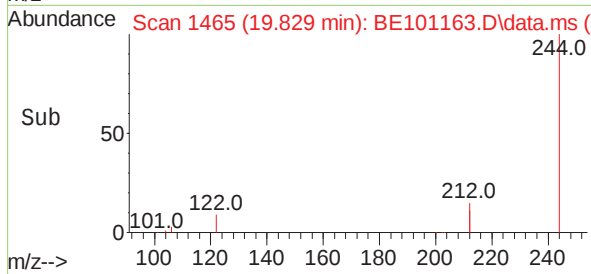
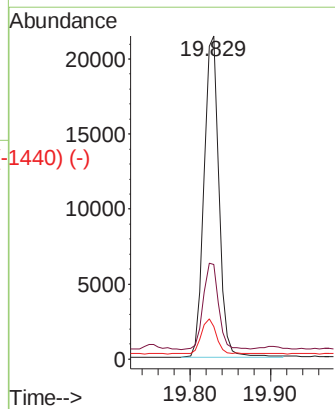
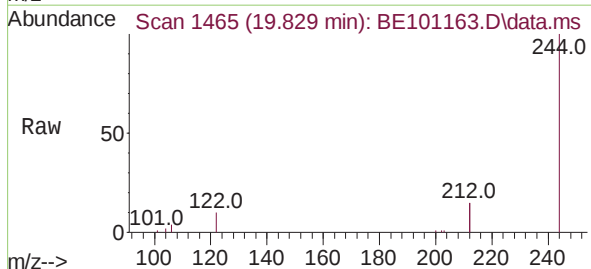
Instrument :  
 BNA\_E  
 ClientSampleId :  
 ASR6

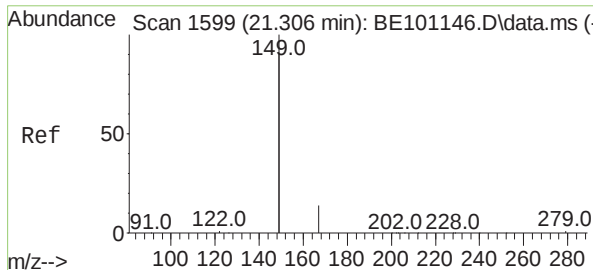
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 38393 |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 10.4  | 4.1   | 6.1#  |
| 236      | 27.6  | 20.3  | 30.5  |



Terphenyl-d14  
 Concen: 0.32 ng  
 RT: 19.829 min Scan# 1465  
 Delta R.T. -0.006 min  
 Lab File: BE101163.D  
 Acq: 31 Mar 2021 15:46

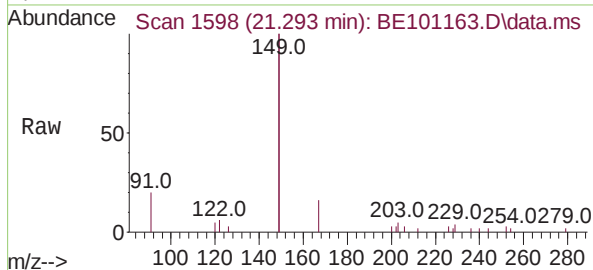
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 27690 |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 29.2  | 21.7  | 32.5  |
| 122      | 10.1  | 6.6   | 10.0# |



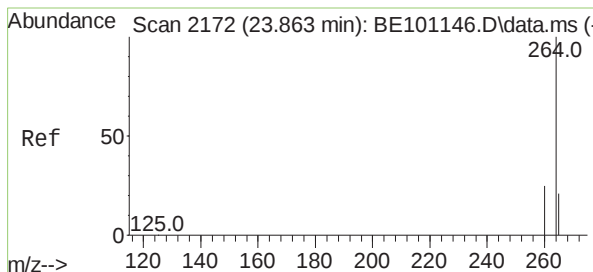
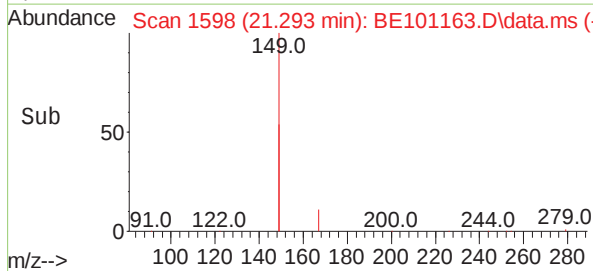
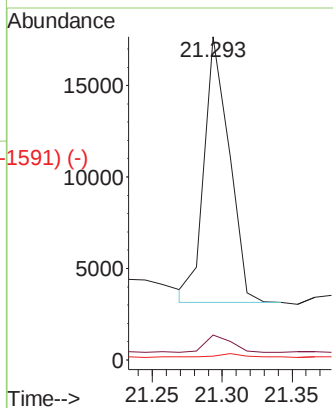


#33 (-)  
Bis(2-ethylhexyl)phthalate  
Concen: 0.28 ng  
RT: 21.293 min Scan# 1598  
Delta R.T. -0.012 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

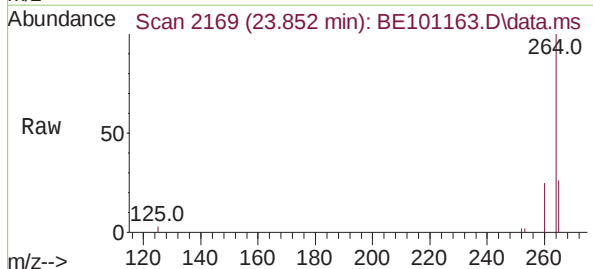
Instrument :  
BNA\_E  
ClientSampleId :  
ASR6



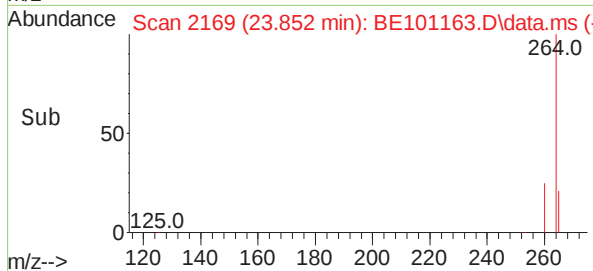
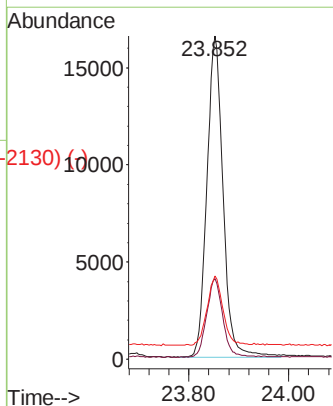
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 18043 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 7.3   | 5.4   | 8.2   |
| 279      | 1.5   | 0.9   | 1.3#  |



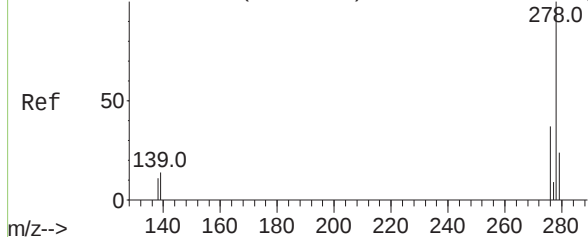
#36 (-)  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.852 min Scan# 2169  
Delta R.T. -0.011 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 37094 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 25.0  | 20.5  | 30.7  |
| 265      | 25.7  | 20.6  | 30.8  |



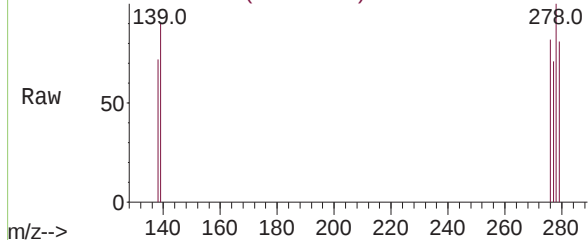
Abundance Scan 2912 (26.516 min): BE101146.D\data.ms (-2890) (-)



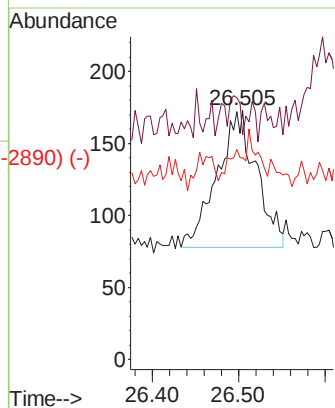
Dibenzo(a,h)anthracene  
Concen: 0.11 ng  
RT: 26.505 min Scan# 2909  
Delta R.T. -0.011 min  
Lab File: BE101163.D  
Acq: 31 Mar 2021 15:46

Instrument :  
BNA\_E  
ClientSampleId :  
ASR6

Abundance Scan 2909 (26.505 min): BE101163.D\data.ms



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 298   |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 90.2  | 12.0  | 18.0# |
| 279      | 80.9  | 20.2  | 30.4# |



Abundance Scan 2909 (26.505 min): BE101163.D\data.ms (-2890) (-)

