

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE020419\  
 Data File : BE098715.D  
 Acq On : 4 Feb 2019 19:54  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Feb 04 23:59:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE012419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 24 14:44:44 2019  
 Response via : Initial Calibration

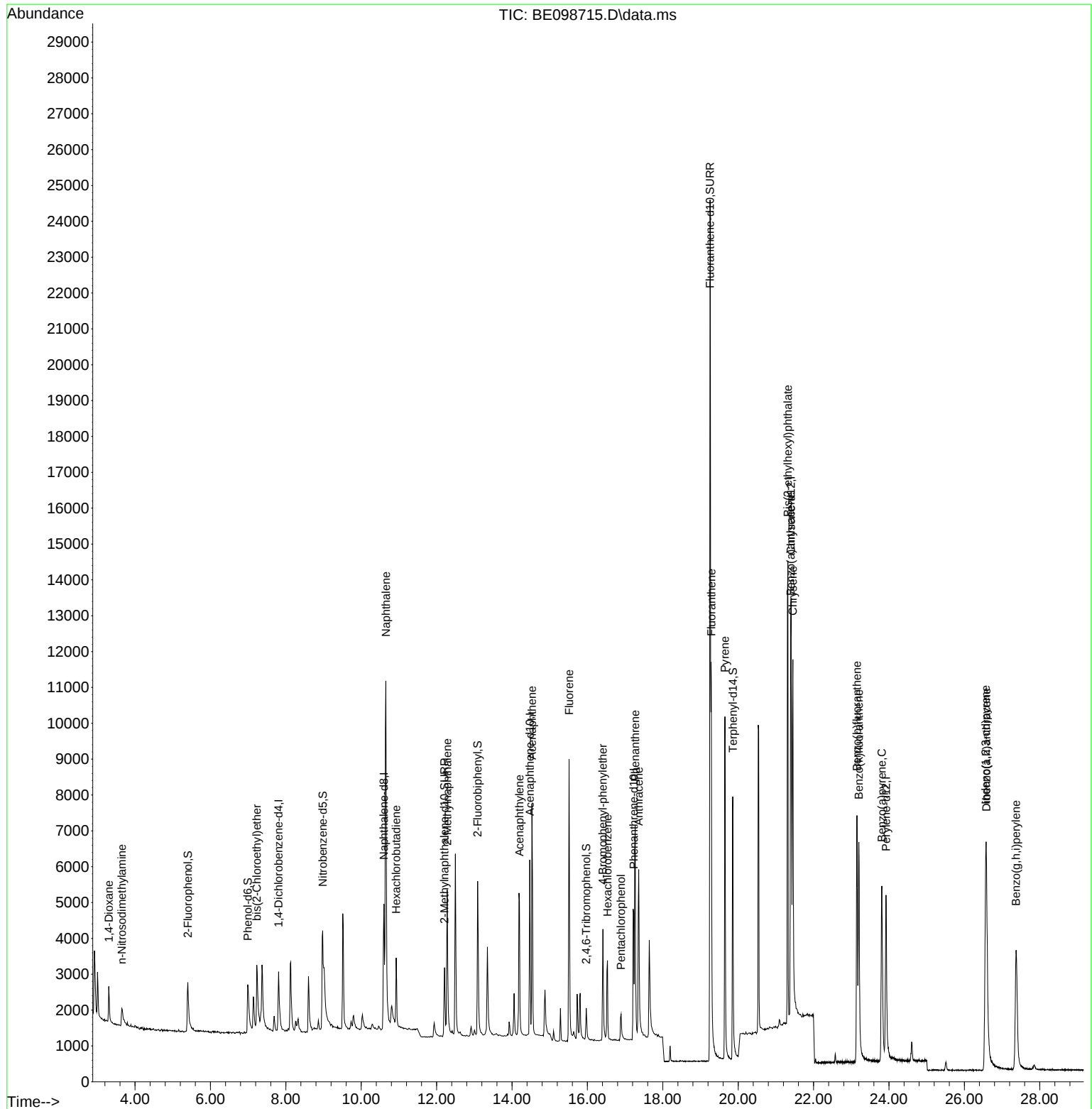
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.806  | 152  | 996      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.602 | 136  | 4412     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.472 | 164  | 2955     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.228 | 188  | 7161     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12              | 21.403 | 240  | 7902     | 0.40 | ng    | #-0.01   |
| 34) Perylene-d12              | 23.923 | 264  | 7634     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 1153     | 0.39 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.989  | 99   | 1672     | 0.39 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.978  | 82   | 1652     | 0.38 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.210 | 152  | 3282     | 0.39 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.969 | 330  | 592      | 0.45 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.088 | 172  | 4976     | 0.39 | ng    | -0.01    |
| 25) Fluoranthene-d10          | 19.253 | 212  | 37857    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14             | 19.856 | 244  | 8369     | 0.42 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
|                               |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.303  | 88   | 737      | 0.40 | ng    | 88       |
| 3) n-Nitrosodimethylamine     | 3.649  | 42   | 965      | 0.41 | ng    | # 100    |
| 6) bis(2-Chloroethyl)ether    | 7.231  | 93   | 1139     | 0.39 | ng    | 93       |
| 9) Naphthalene                | 10.654 | 128  | 20313    | 0.40 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.927 | 225  | 1324     | 0.39 | ng    | 96       |
| 12) 2-Methylnaphthalene       | 12.282 | 142  | 3299     | 0.39 | ng    | 96       |
| 16) Acenaphthylene            | 14.198 | 152  | 5854     | 0.39 | ng    | 99       |
| 17) Acenaphthene              | 14.529 | 154  | 3519     | 0.39 | ng    | 99       |
| 18) Fluorene                  | 15.514 | 166  | 4882     | 0.40 | ng    | 95       |
| 20) 4-Bromophenyl-phenylether | 16.411 | 248  | 1598     | 0.38 | ng    | 95       |
| 21) Hexachlorobenzene         | 16.531 | 284  | 1947     | 0.39 | ng    | 96       |
| 22) Pentachlorophenol         | 16.893 | 266  | 596      | 0.47 | ng    | 93       |
| 23) Phenanthrene              | 17.268 | 178  | 7917     | 0.40 | ng    | 99       |
| 24) Anthracene                | 17.361 | 178  | 6387     | 0.39 | ng    | 97       |
| 26) Fluoranthene              | 19.288 | 202  | 10095    | 0.40 | ng    | 100      |
| 28) Pyrene                    | 19.650 | 202  | 10252    | 0.41 | ng    | 99       |
| 30) Benzo(a)anthracene        | 21.390 | 228  | 10129    | 0.42 | ng    | 98       |
| 31) Chrysene                  | 21.451 | 228  | 10533    | 0.41 | ng    | 99       |
| 32) Bis(2-ethylhexyl)phtha... | 21.318 | 149  | 18147    | 0.41 | ng    | 100      |
| 33) Indeno(1,2,3-cd)pyrene    | 26.569 | 276  | 11296    | 0.42 | ng    | 99       |
| 35) Benzo(b)fluoranthene      | 23.150 | 252  | 9959     | 0.40 | ng    | 99       |
| 36) Benzo(k)fluoranthene      | 23.200 | 252  | 10901    | 0.41 | ng    | 99       |
| 37) Benzo(a)pyrene            | 23.809 | 252  | 9565     | 0.41 | ng    | 98       |
| 38) Dibenzo(a,h)anthracene    | 26.584 | 278  | 8985     | 0.41 | ng    | 95       |
| 39) Benzo(g,h,i)perylene      | 27.372 | 276  | 9325     | 0.39 | ng    | 98       |
| -----                         |        |      |          |      |       |          |

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

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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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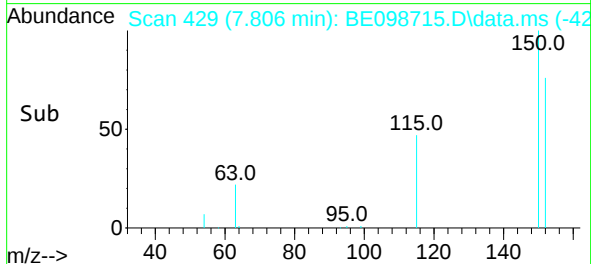
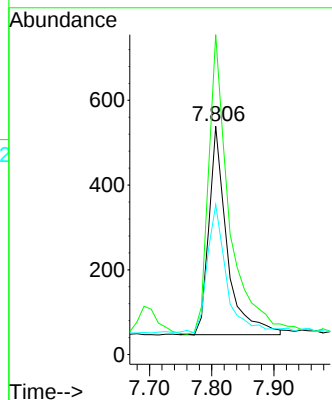
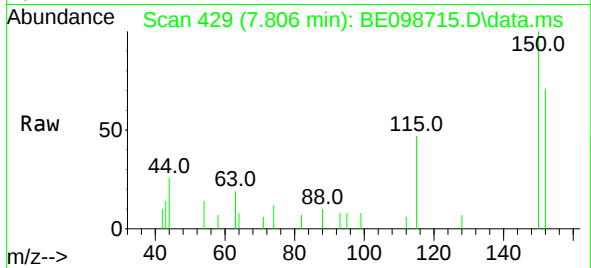




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.806 min Scan# 429  
 Delta R.T. -0.001 min  
 Lab File: BE098715.D  
 Acq: 4 Feb 2019 19:54

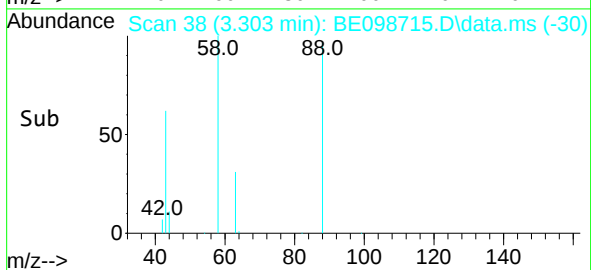
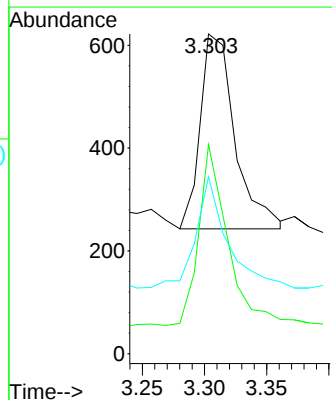
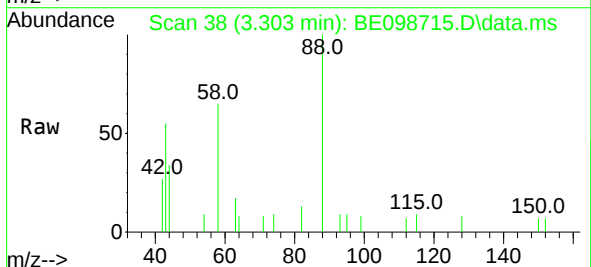
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion:152 Resp: 996  
 Ion Ratio Lower Upper  
 152 100  
 150 140.1 121.4 182.2  
 115 65.7 59.1 88.7



#2  
 1,4-Dioxane  
 Concen: 0.40 ng  
 RT: 3.303 min Scan# 38  
 Delta R.T. -0.012 min  
 Lab File: BE098715.D  
 Acq: 4 Feb 2019 19:54

Tgt Ion: 88 Resp: 737  
 Ion Ratio Lower Upper  
 88 100  
 58 76.1 73.9 110.9  
 43 51.8 43.7 65.5

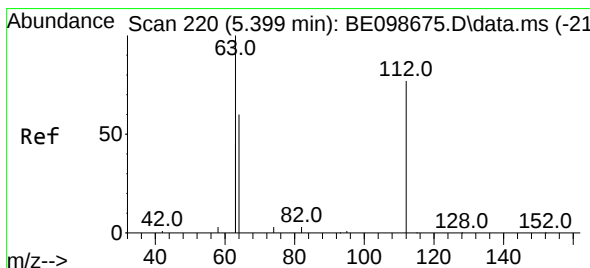
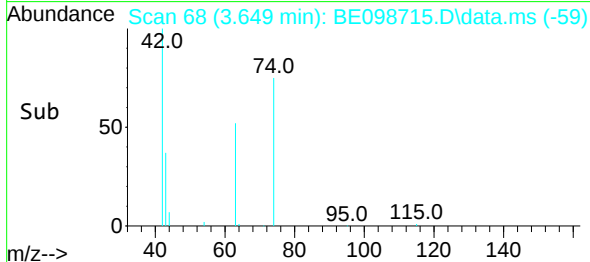
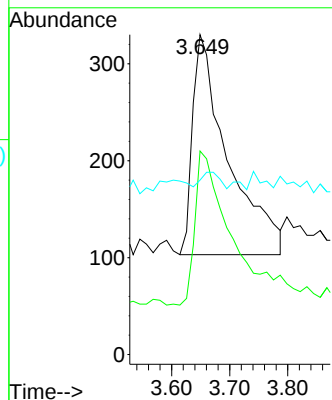
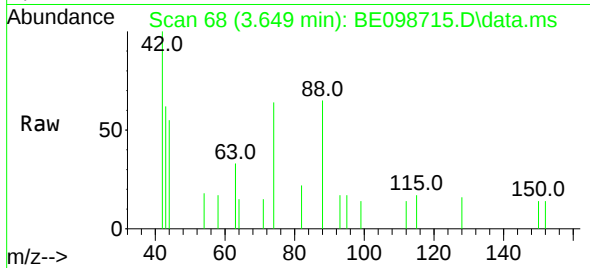




#3  
n-Nitrosodimethylamine  
Concen: 0.41 ng  
RT: 3.649 min Scan# 68  
Delta R.T. -0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

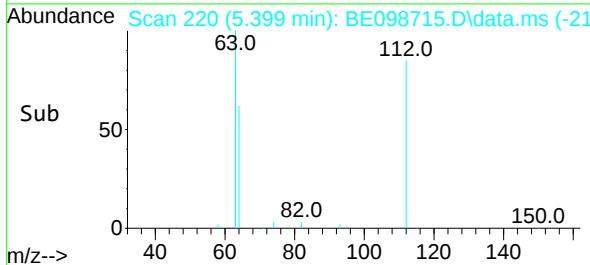
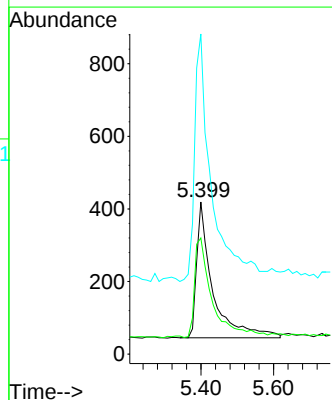
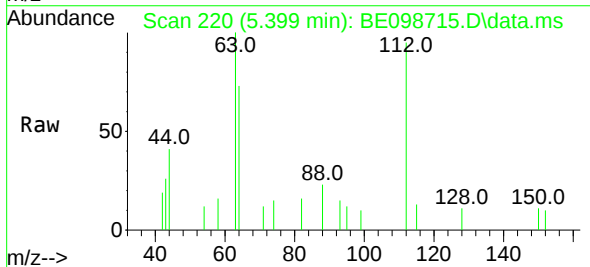
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 965  
Ion Ratio Lower Upper  
42 100  
74 73.4 58.9 88.3  
44 3.8 0.0 0.0#



#4  
2-Fluorophenol  
Concen: 0.39 ng  
RT: 5.399 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion: 112 Resp: 1153  
Ion Ratio Lower Upper  
112 100  
64 80.1 62.9 94.3  
63 194.4 152.2 228.4

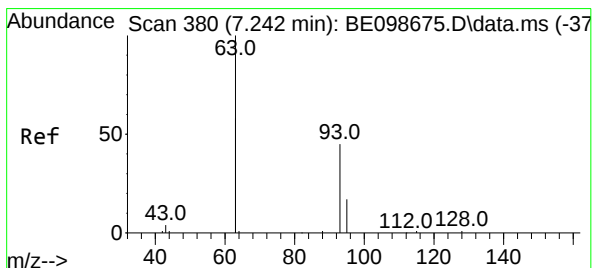
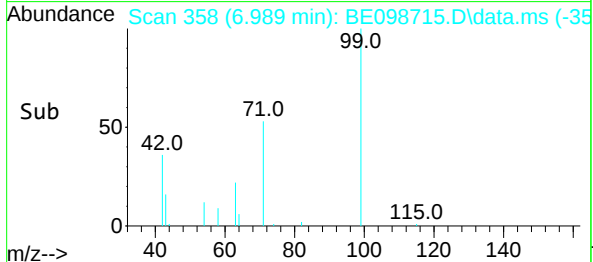
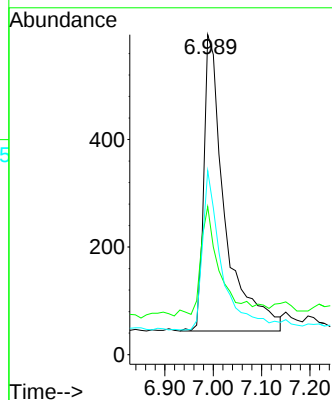
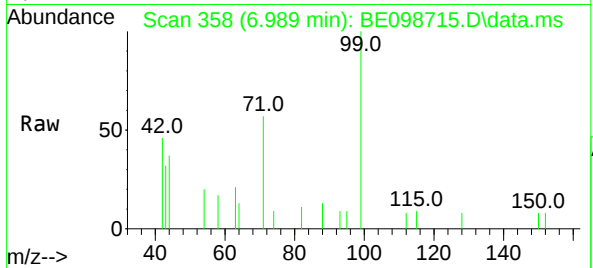




#5  
Phenol-d6  
Concen: 0.39 ng  
RT: 6.989 min Scan# 358  
Delta R.T. -0.011 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

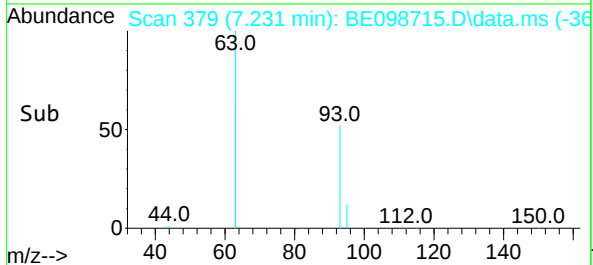
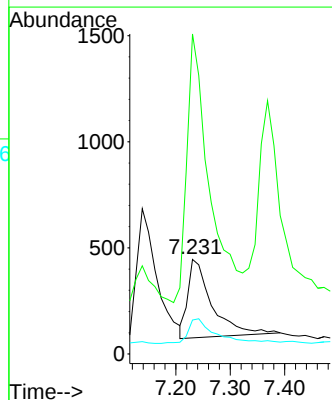
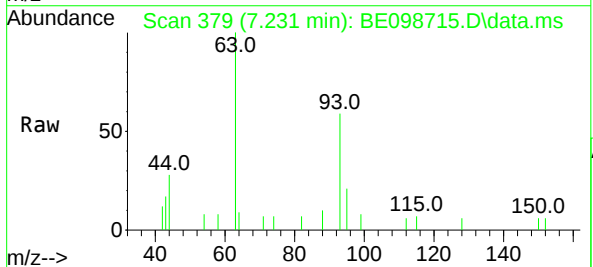
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1672  
Ion Ratio Lower Upper  
99 100  
42 35.7 24.6 37.0  
71 49.6 35.1 52.7



#6  
bis(2-Chloroethyl)ether  
Concen: 0.39 ng  
RT: 7.231 min Scan# 379  
Delta R.T. -0.011 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion: 93 Resp: 1139  
Ion Ratio Lower Upper  
93 100  
63 319.2 267.3 400.9  
95 36.6 26.2 39.4

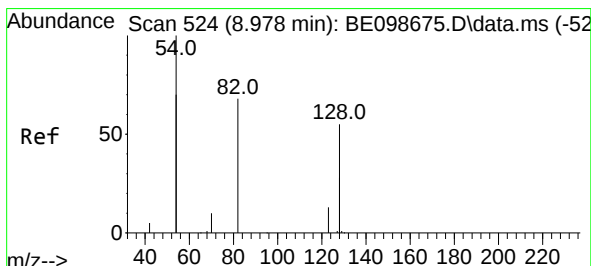
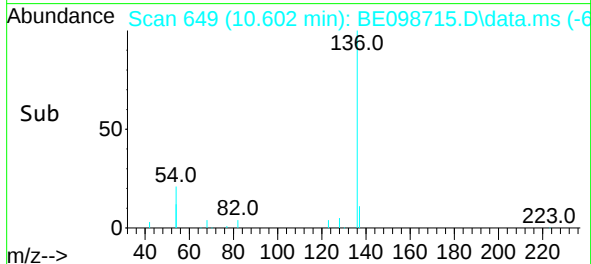
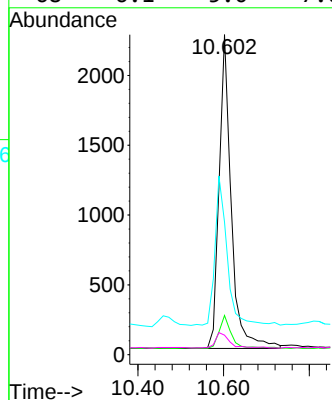
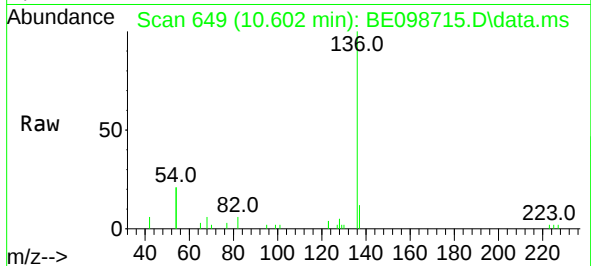




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.602 min Scan# 649  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

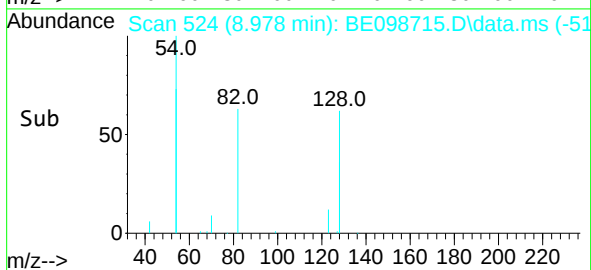
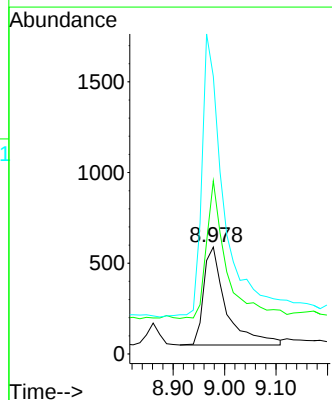
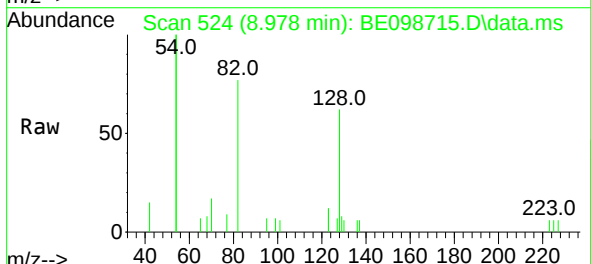
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BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

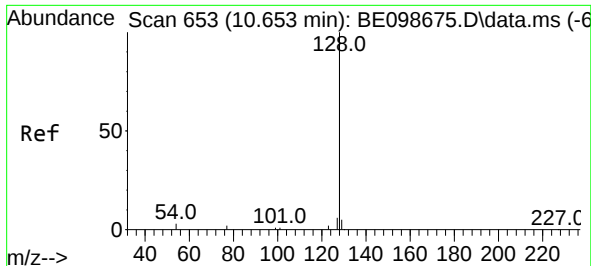
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|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 4412 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.3  | 9.7   | 14.5 |
| 54        | 41.4  | 35.5  | 53.3 |
| 68        | 6.1   | 5.0   | 7.6  |



#8  
Nitrobenzene-d5  
Concen: 0.38 ng  
RT: 8.978 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 1652   |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 162.0 | 96.5  | 144.7# |
| 54        | 259.8 | 224.7 | 337.1  |

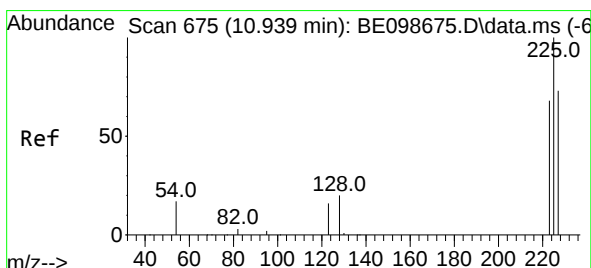
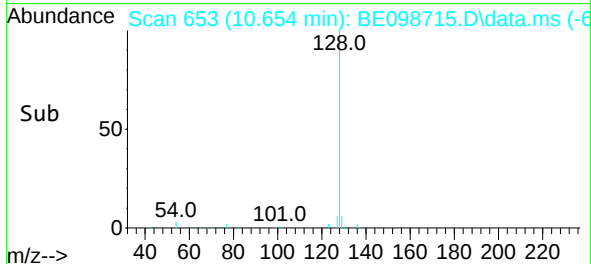
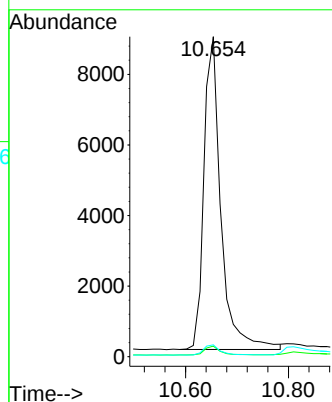
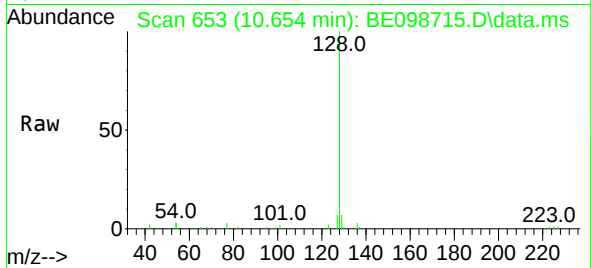




#9  
Naphthalene  
Concen: 0.40 ng  
RT: 10.654 min Scan# 653  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

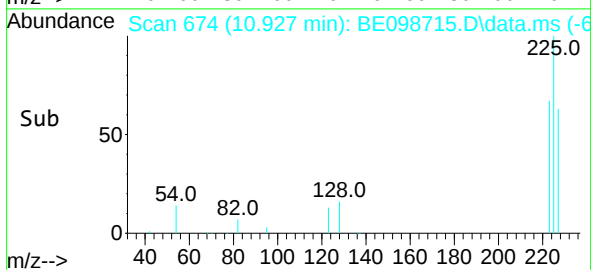
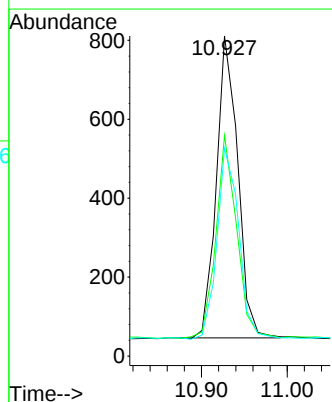
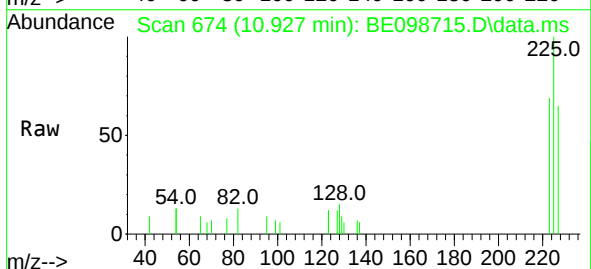
Instrument :  
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ClientSampleId :  
SSTDCCC0.4EC

|             |       |         |
|-------------|-------|---------|
| Tgt Ion:128 | Resp: | 20313   |
| Ion Ratio   | Lower | Upper   |
| 128         | 100   |         |
| 129         | 3.3   | 2.6 3.8 |
| 127         | 3.7   | 3.0 4.6 |



#10  
Hexachlorobutadiene  
Concen: 0.39 ng  
RT: 10.927 min Scan# 674  
Delta R.T. -0.012 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 1324      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 65.3  | 47.8 71.8 |
| 227         | 63.1  | 50.5 75.7 |

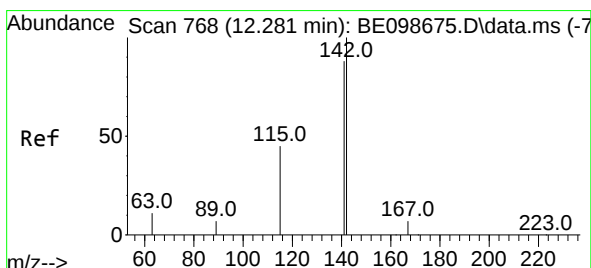
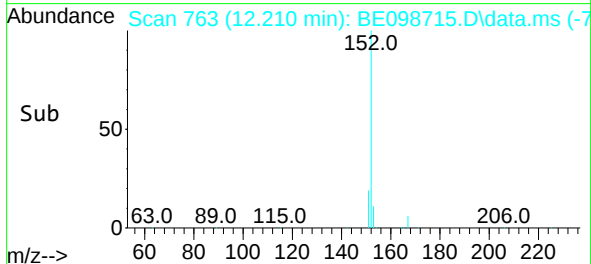
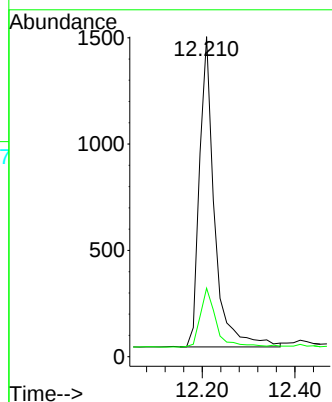
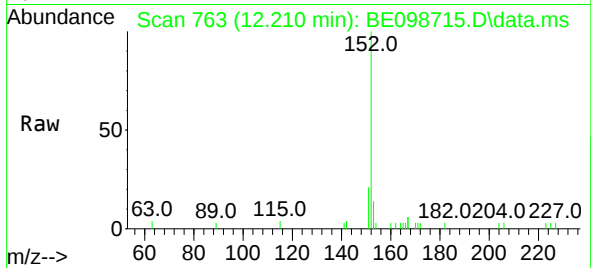




#11  
2-Methylnaphthalene-d10  
Concen: 0.39 ng  
RT: 12.210 min Scan# 763  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

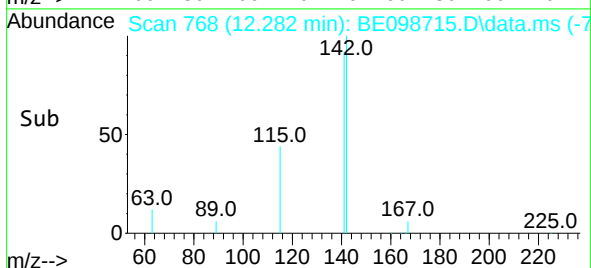
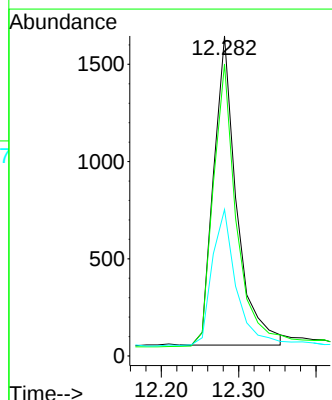
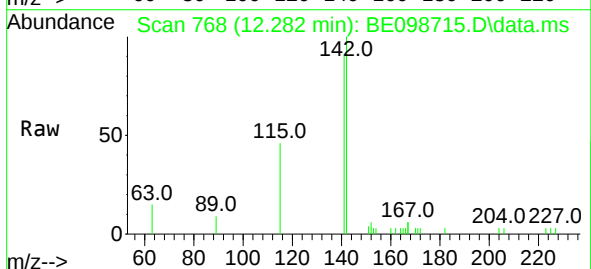
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

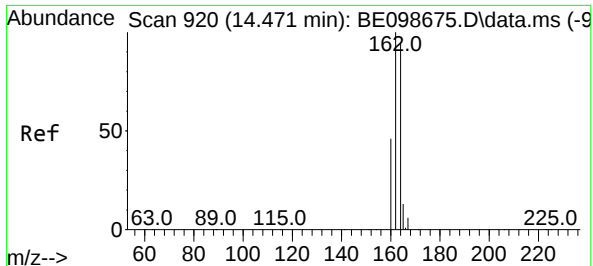
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Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.4



#12  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 12.282 min Scan# 768  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

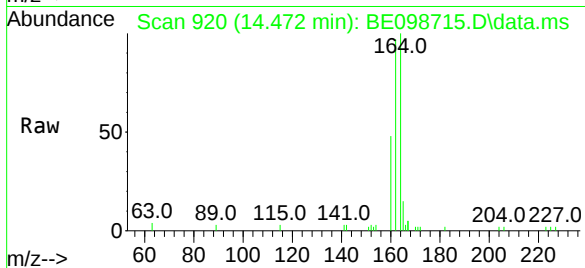
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Ion Ratio Lower Upper  
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141 91.3 70.0 105.0  
115 45.7 35.2 52.8



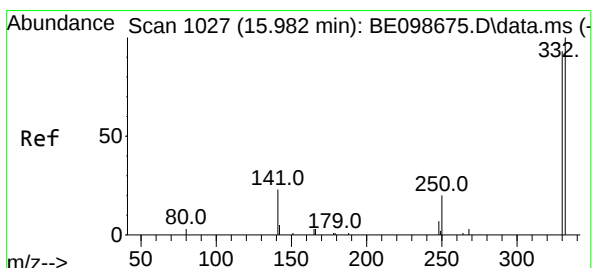
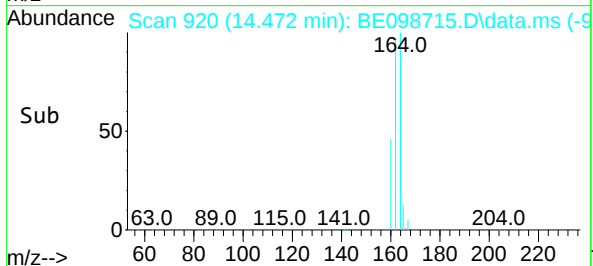
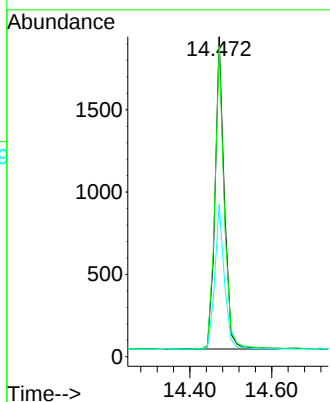


#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.472 min Scan# 920  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

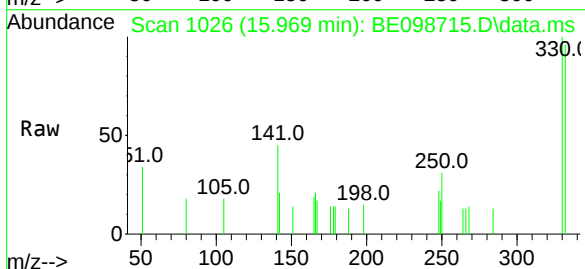
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC



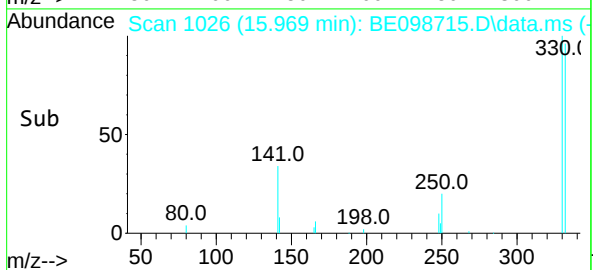
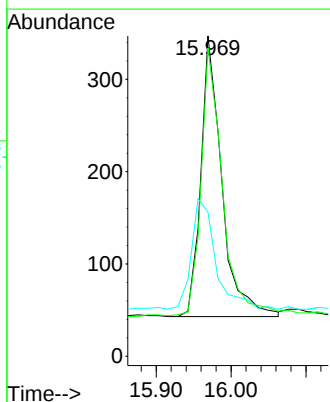
Tgt Ion:164 Resp: 2955  
Ion Ratio Lower Upper  
164 100  
162 97.0 80.5 120.7  
160 47.6 40.1 60.1

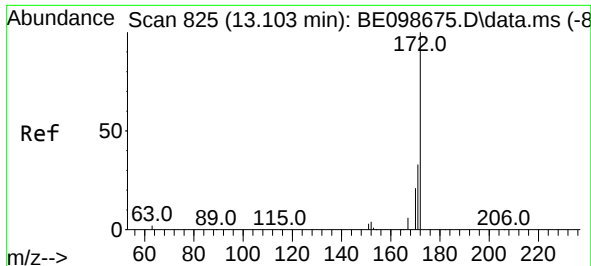


#14  
2,4,6-Tribromophenol  
Concen: 0.45 ng  
RT: 15.969 min Scan# 1026  
Delta R.T. -0.013 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54



Tgt Ion:330 Resp: 592  
Ion Ratio Lower Upper  
330 100  
332 98.3 73.3 109.9  
141 45.9 33.1 49.7

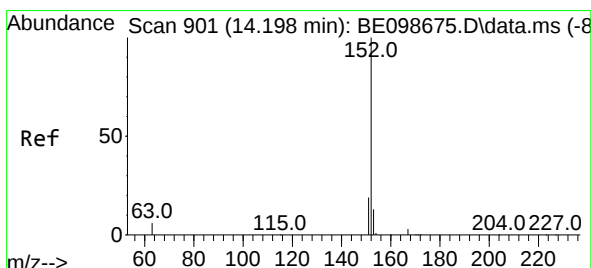
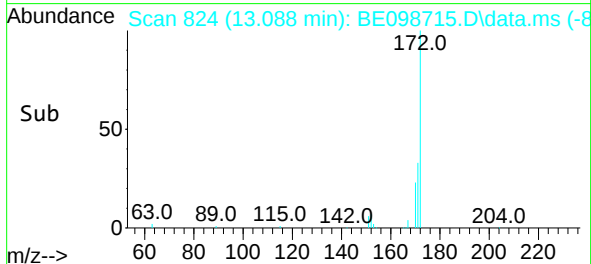
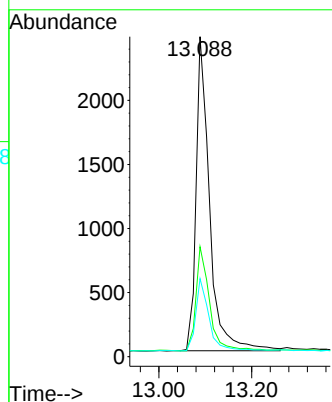
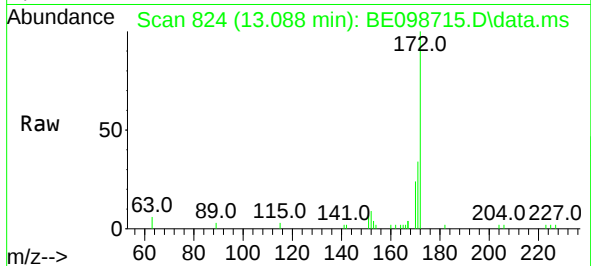




#15  
2-Fluorobiphenyl  
Concen: 0.39 ng  
RT: 13.088 min Scan# 824  
Delta R.T. -0.015 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

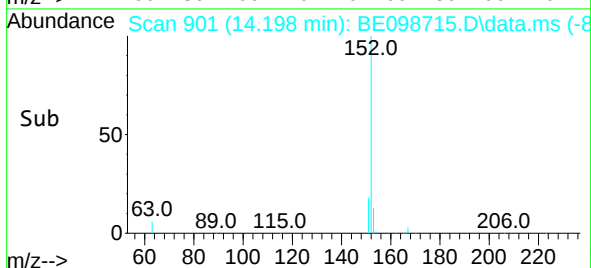
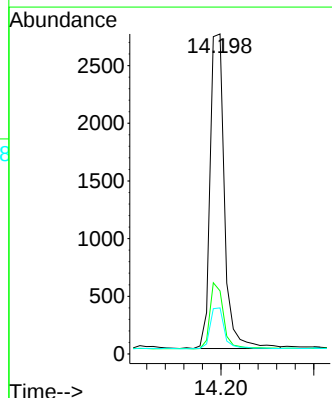
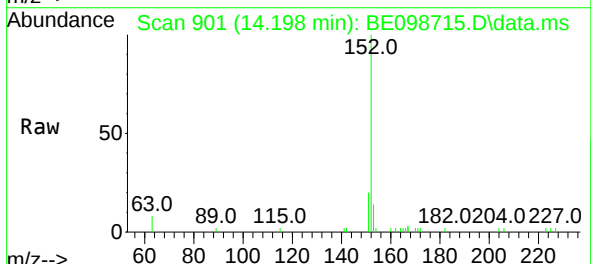
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 4976      |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 34.4  | 29.0 43.4 |
| 170         | 24.4  | 20.8 31.2 |



#16  
Acenaphthylene  
Concen: 0.39 ng  
RT: 14.198 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 5854      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 20.0  | 16.3 24.5 |
| 153         | 13.1  | 10.7 16.1 |

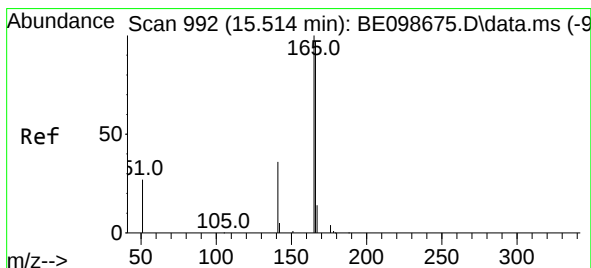
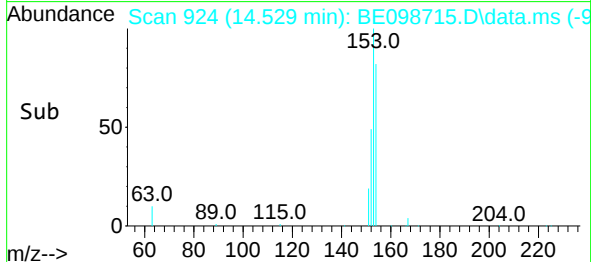
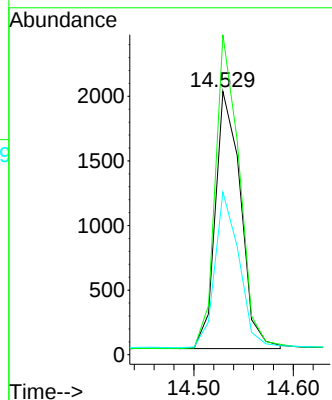
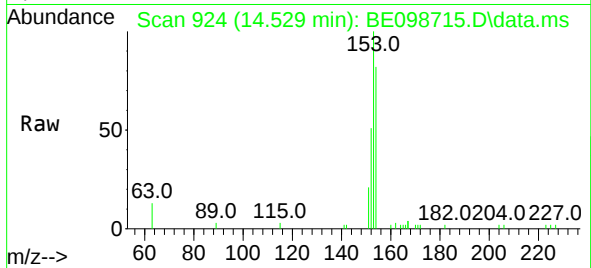




#17  
Acenaphthene  
Concen: 0.39 ng  
RT: 14.529 min Scan# 924  
Delta R.T. -0.014 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

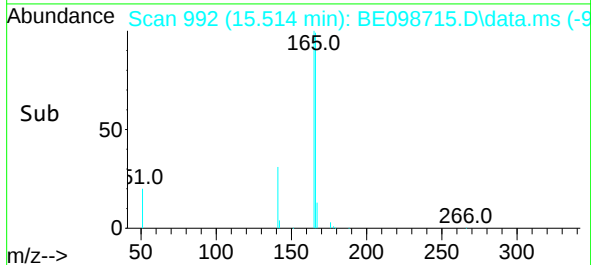
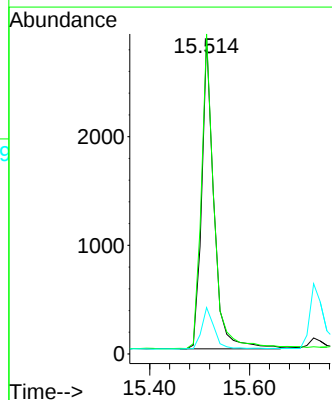
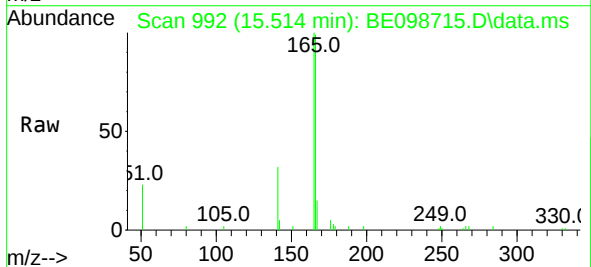
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

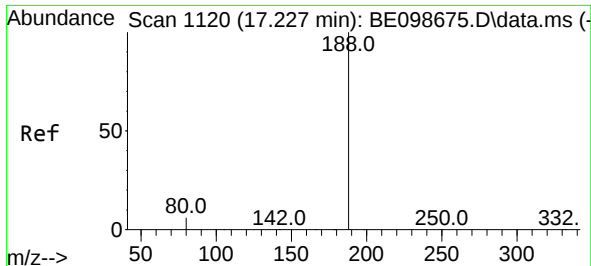
Tgt Ion:154 Resp: 3519  
Ion Ratio Lower Upper  
154 100  
153 116.1 93.9 140.9  
152 57.8 45.8 68.8



#18  
Fluorene  
Concen: 0.40 ng  
RT: 15.514 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:166 Resp: 4882  
Ion Ratio Lower Upper  
166 100  
165 104.6 79.3 118.9  
167 14.2 10.6 15.8

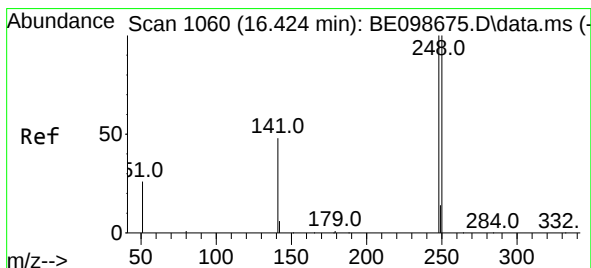
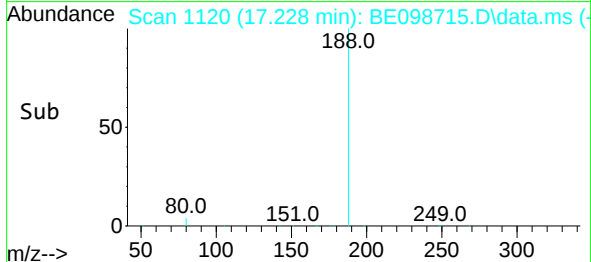
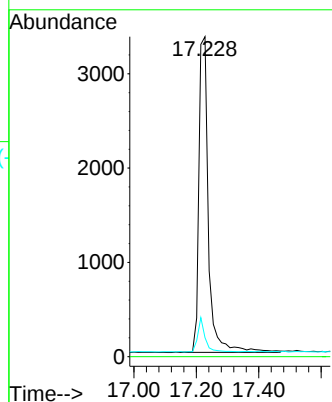
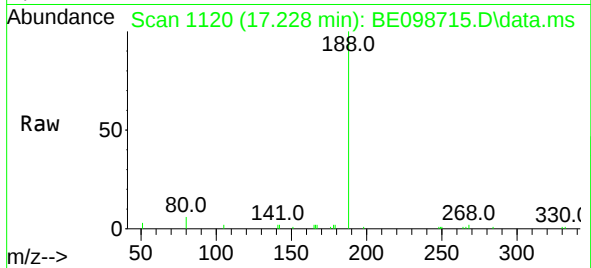




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.228 min Scan# 1120  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

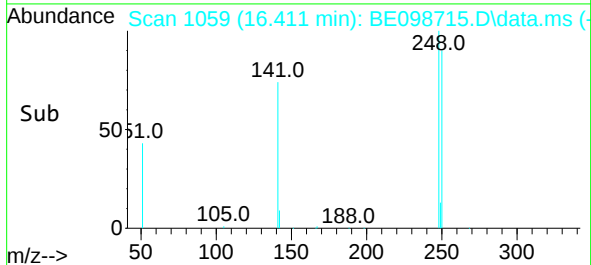
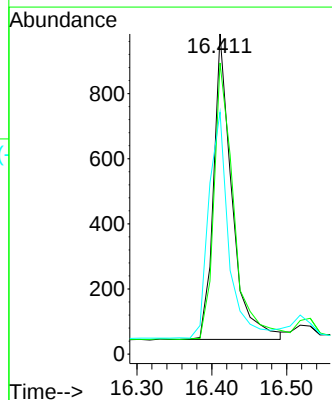
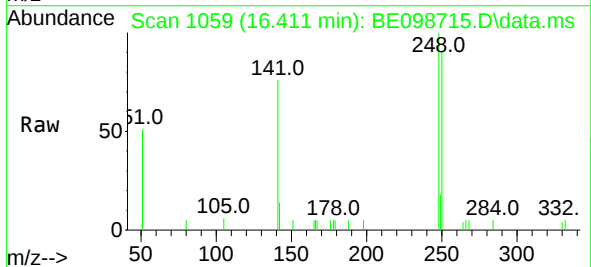
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

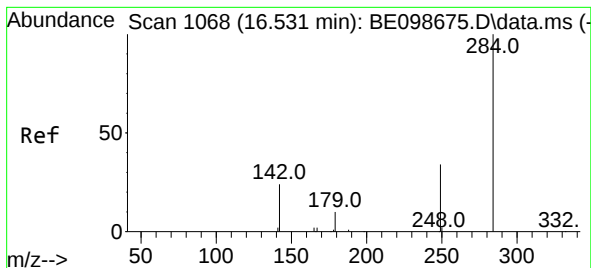
Tgt Ion:188 Resp: 7161  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 5.9 4.7 7.1



#20  
4-Bromophenyl-phenylether  
Concen: 0.38 ng  
RT: 16.411 min Scan# 1059  
Delta R.T. -0.013 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:248 Resp: 1598  
Ion Ratio Lower Upper  
248 100  
250 90.9 80.2 120.4  
141 75.6 60.5 90.7

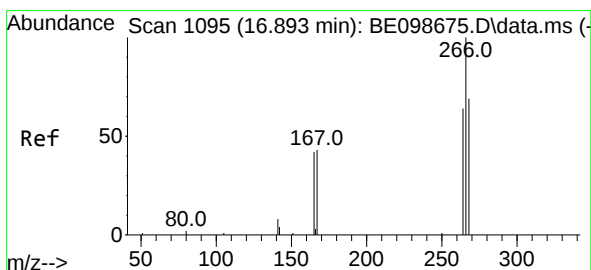
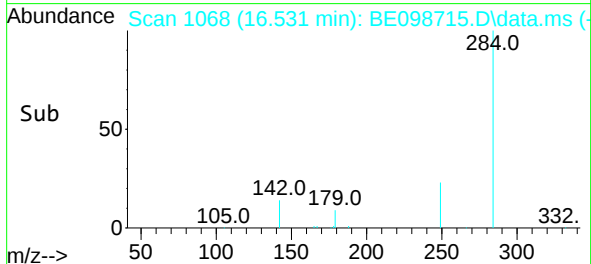
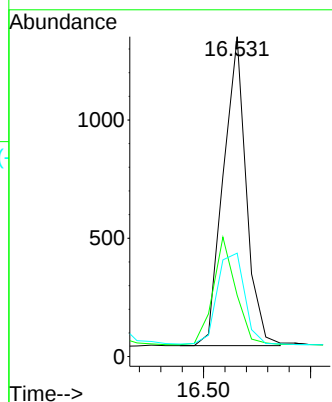
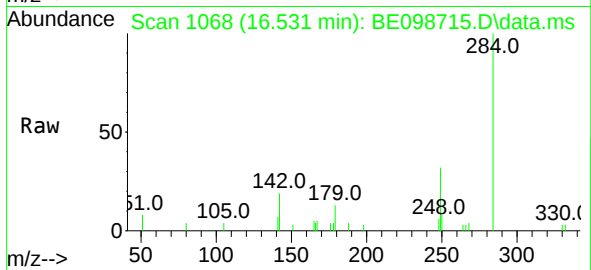




#21  
Hexachlorobenzene  
Concen: 0.39 ng  
RT: 16.531 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

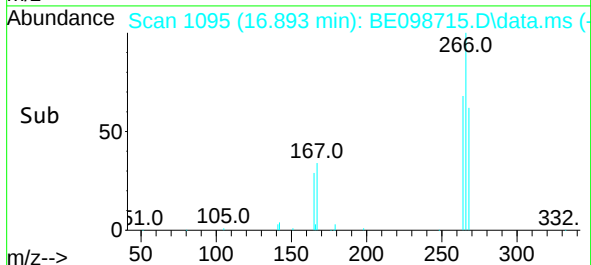
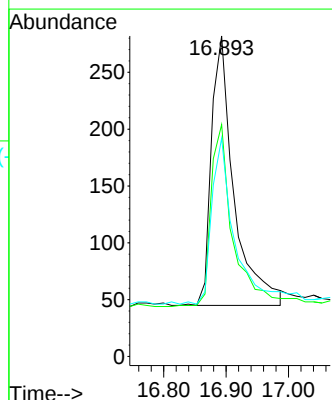
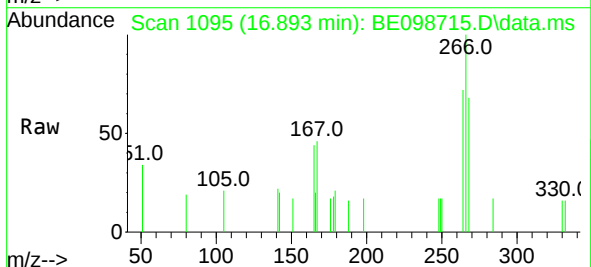
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

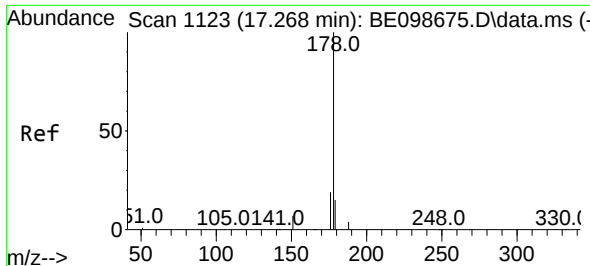
Tgt Ion:284 Resp: 1947  
Ion Ratio Lower Upper  
284 100  
142 34.5 25.5 38.3  
249 34.8 26.6 39.8



#22  
Pentachlorophenol  
Concen: 0.47 ng  
RT: 16.893 min Scan# 1095  
Delta R.T. -0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:266 Resp: 596  
Ion Ratio Lower Upper  
266 100  
264 72.3 53.7 80.5  
268 68.1 59.8 89.8

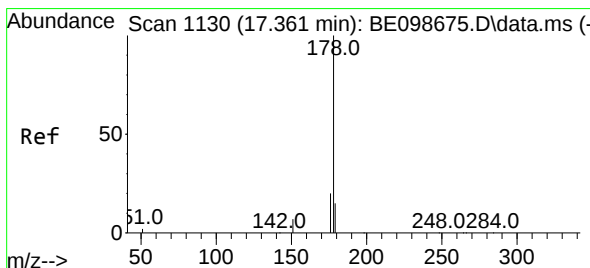
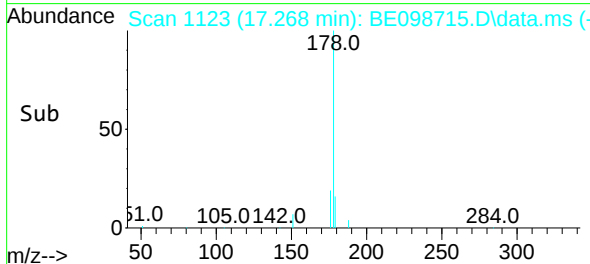
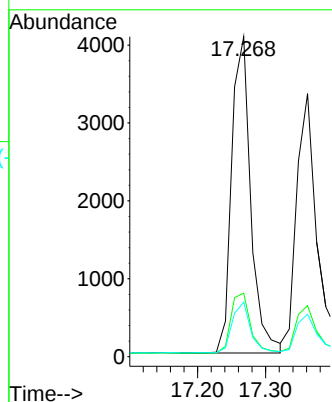
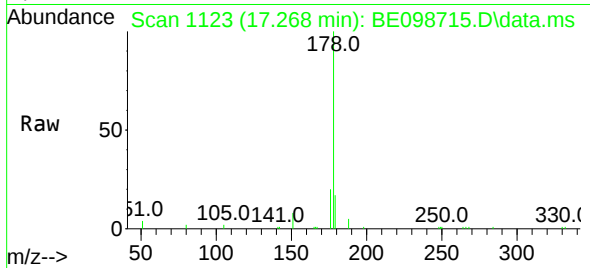




#23  
Phenanthrene  
Concen: 0.40 ng  
RT: 17.268 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

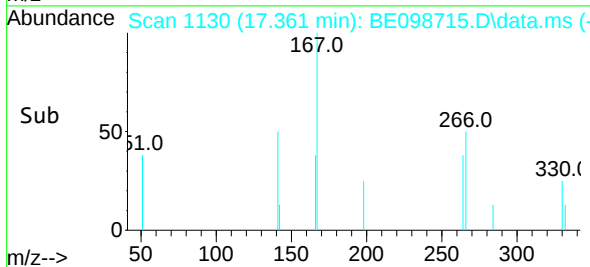
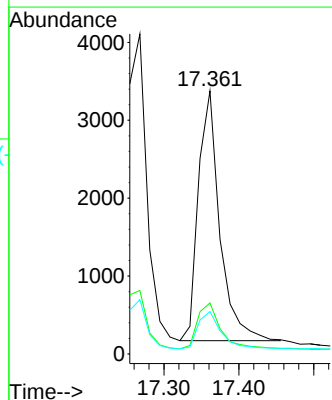
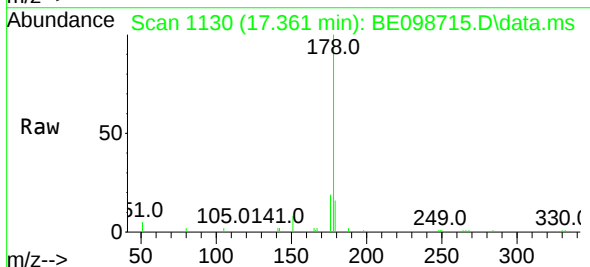
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7917  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.9 23.9  
179 15.6 12.2 18.4



#24  
Anthracene  
Concen: 0.39 ng  
RT: 17.361 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:178 Resp: 6387  
Ion Ratio Lower Upper  
178 100  
176 20.0 14.9 22.3  
179 16.2 11.8 17.8

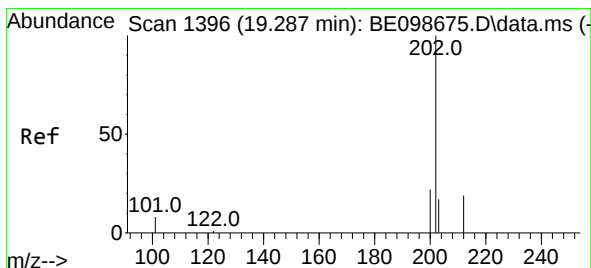
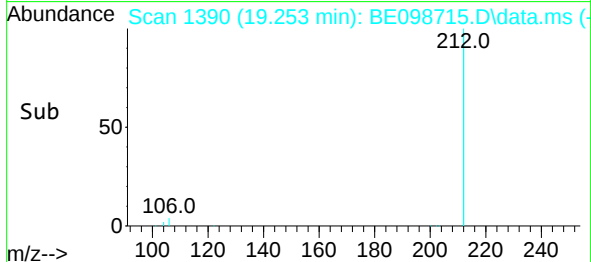
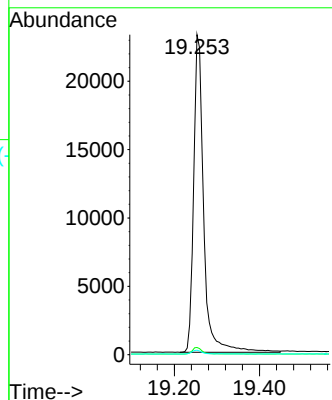
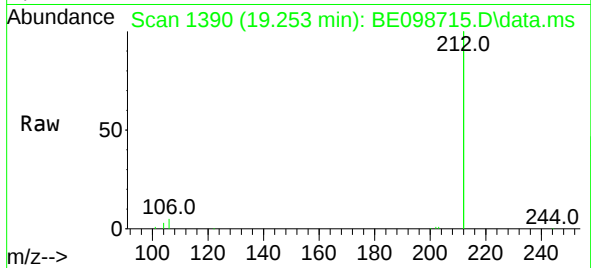




#25  
Fluoranthene-d10  
Concen: 0.37 ng  
RT: 19.253 min Scan# 1390  
Delta R.T. -0.006 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

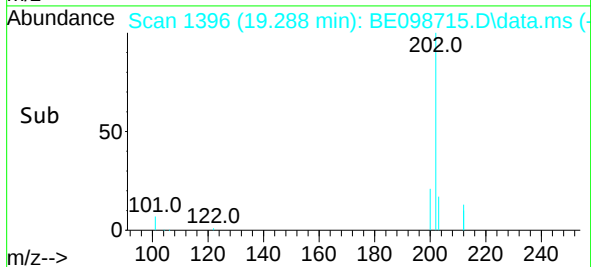
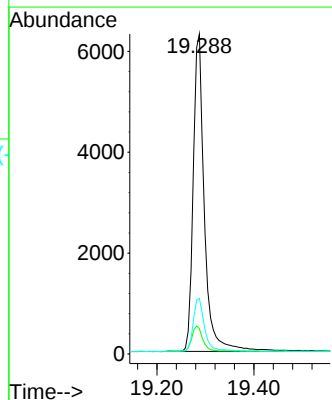
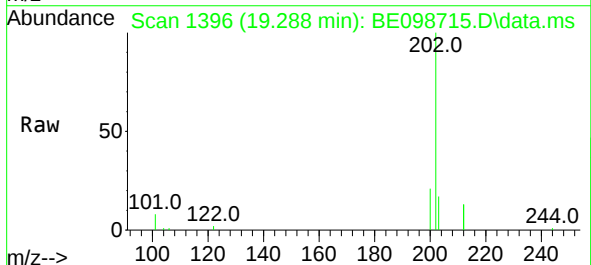
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

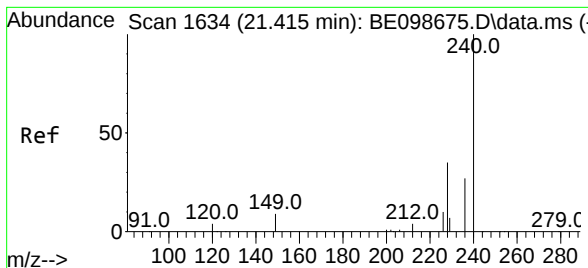
Tgt Ion:212 Resp: 37857  
Ion Ratio Lower Upper  
212 100  
106 2.0 1.7 2.5  
104 1.2 1.0 1.6



#26  
Fluoranthene  
Concen: 0.40 ng  
RT: 19.288 min Scan# 1396  
Delta R.T. 0.001 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:202 Resp: 10095  
Ion Ratio Lower Upper  
202 100  
101 8.5 6.7 10.1  
203 16.7 13.3 19.9





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.403 min Scan# 1633

Delta R.T. -0.012 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

Tgt Ion:240 Resp: 7902

Ion Ratio Lower Upper

240 100

120 10.4 4.7 7.1#

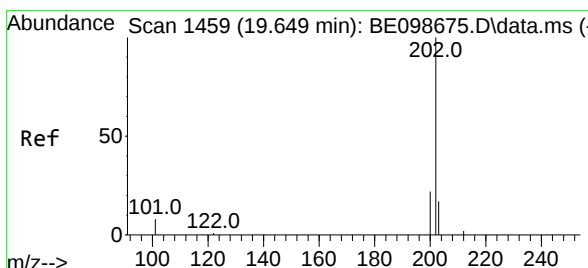
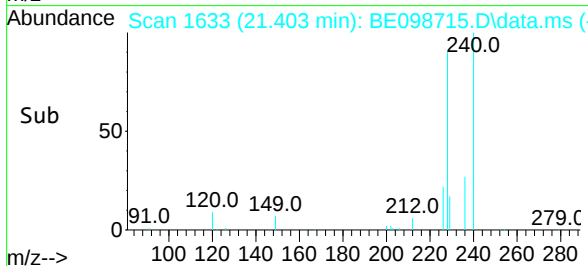
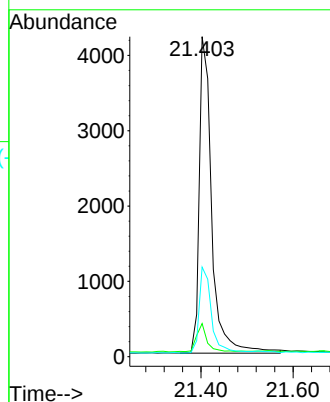
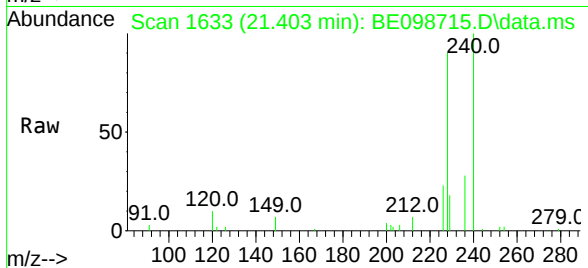
236 28.0 21.9 32.9

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC



#28

Pyrene

Concen: 0.41 ng

RT: 19.650 min Scan# 1459

Delta R.T. 0.001 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

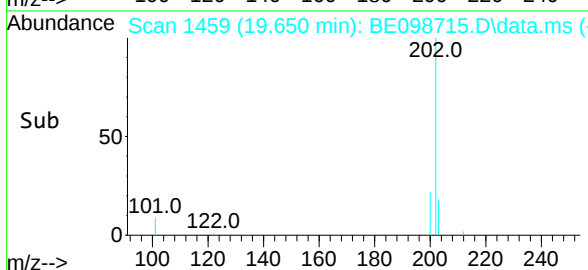
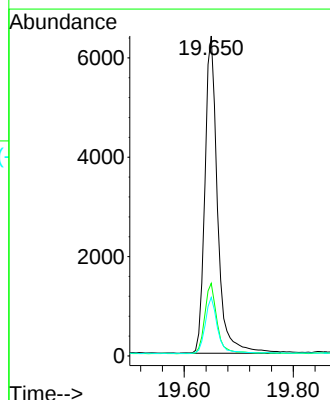
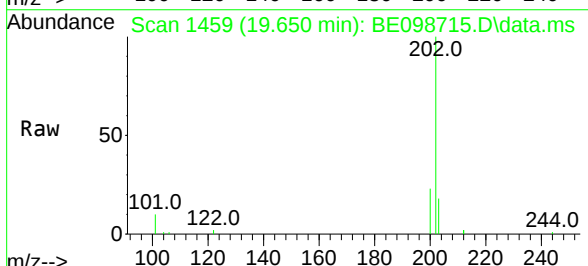
Tgt Ion:202 Resp: 10252

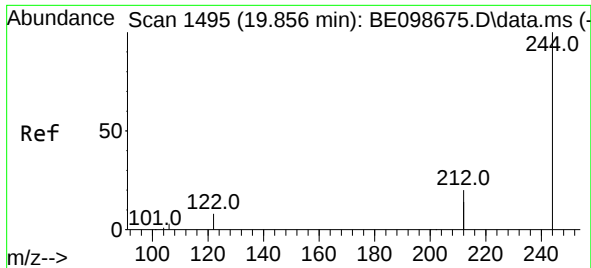
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.0 13.8 20.8

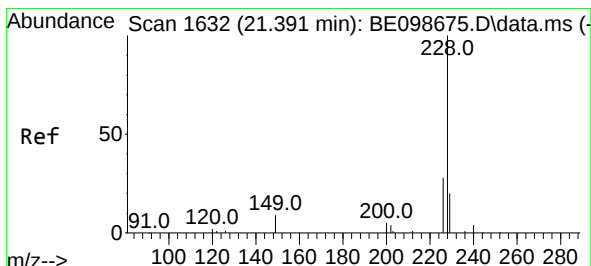
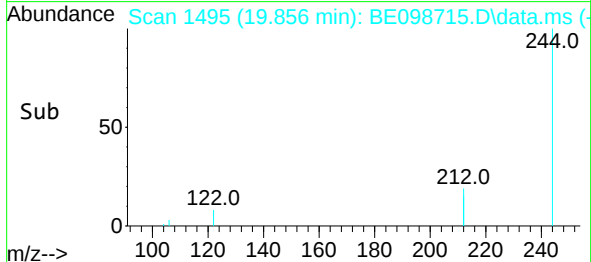
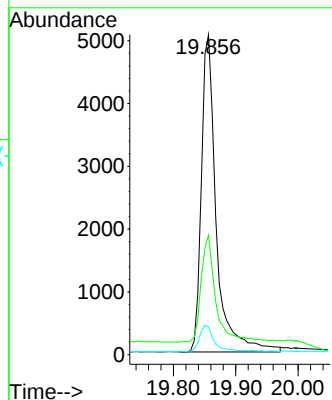
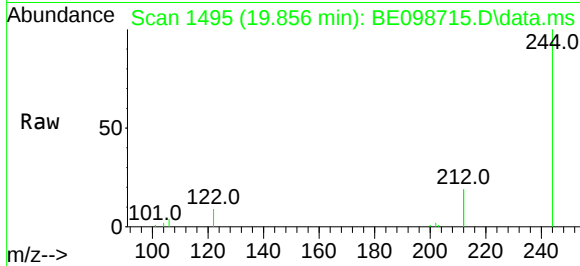




#29  
 Terphenyl-d14  
 Concen: 0.42 ng  
 RT: 19.856 min Scan# 1495  
 Delta R.T. 0.000 min  
 Lab File: BE098715.D  
 Acq: 4 Feb 2019 19:54

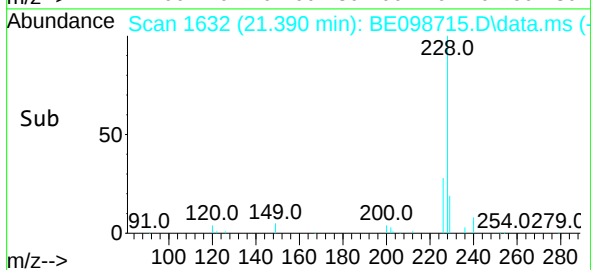
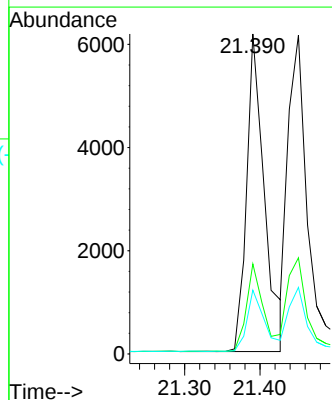
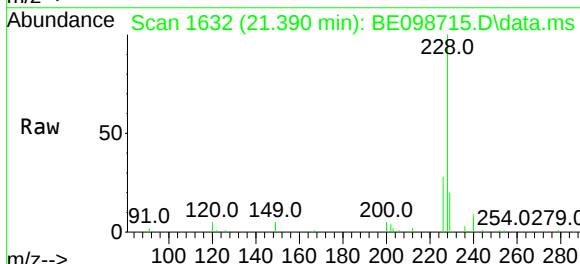
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

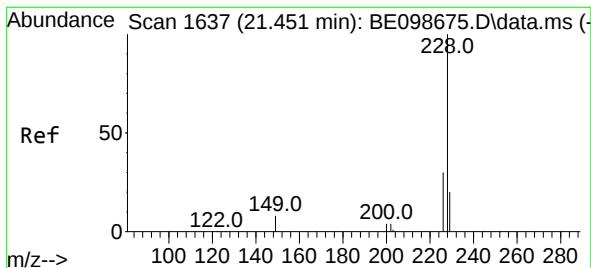
Tgt Ion:244 Resp: 8369  
 Ion Ratio Lower Upper  
 244 100  
 212 37.4 29.4 44.2  
 122 8.6 7.1 10.7



#30  
 Benzo(a)anthracene  
 Concen: 0.42 ng  
 RT: 21.390 min Scan# 1632  
 Delta R.T. -0.001 min  
 Lab File: BE098715.D  
 Acq: 4 Feb 2019 19:54

Tgt Ion:228 Resp: 10129  
 Ion Ratio Lower Upper  
 228 100  
 226 28.2 23.0 34.4  
 229 19.9 15.0 22.6





#31

Chrysene

Concen: 0.41 ng

RT: 21.451 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

Tgt Ion:228 Resp: 10533

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

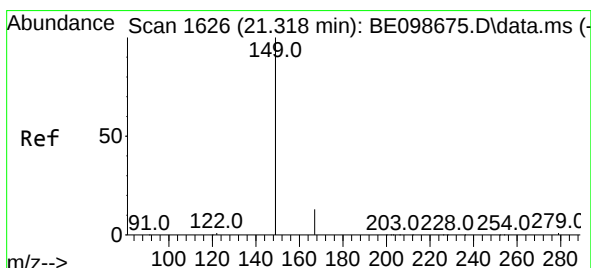
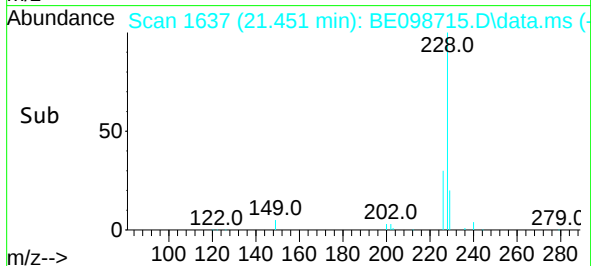
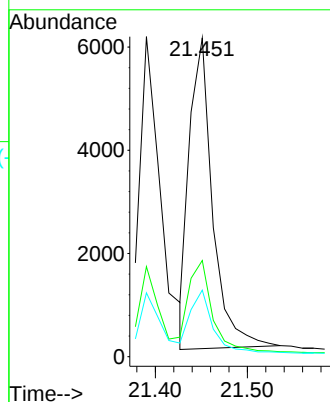
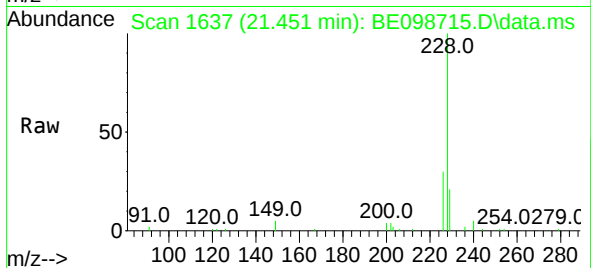
229 20.9 16.4 24.6

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

RT: 21.318 min Scan# 1626

Delta R.T. -0.000 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

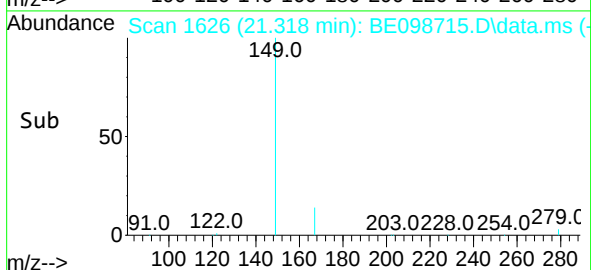
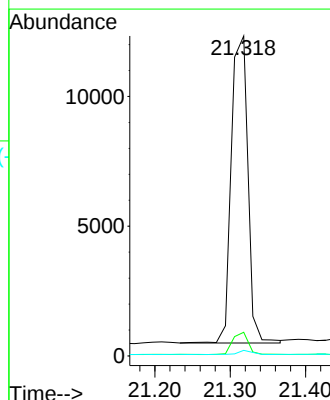
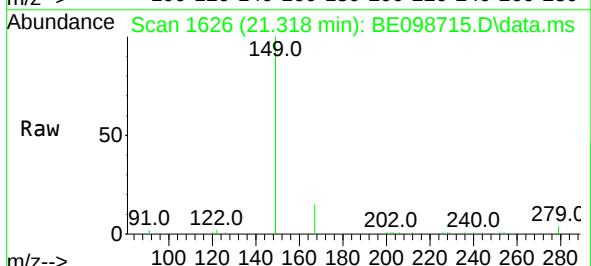
Tgt Ion:149 Resp: 18147

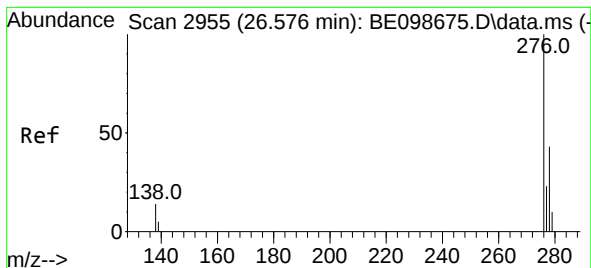
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.2

279 1.1 1.0 1.4

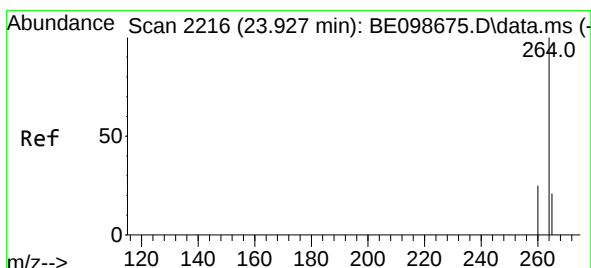
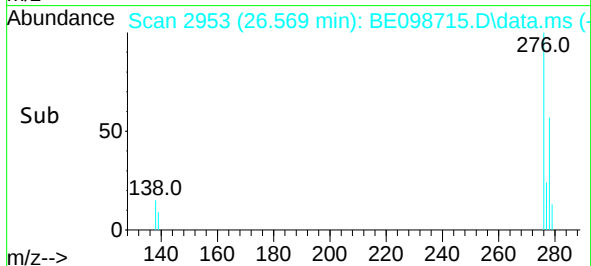
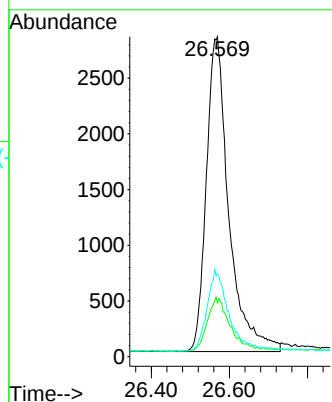
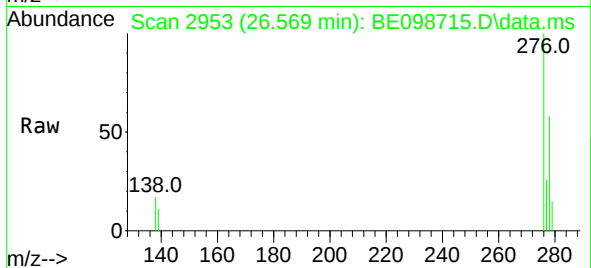




#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.42 ng  
RT: 26.569 min Scan# 2953  
Delta R.T. -0.007 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

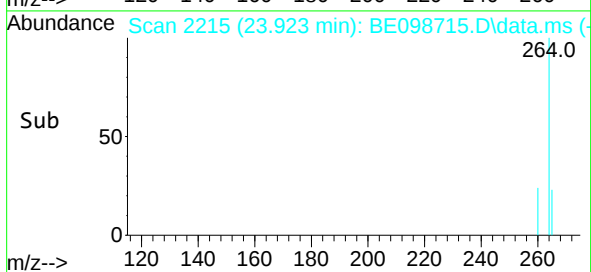
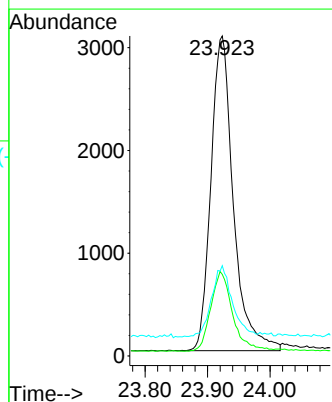
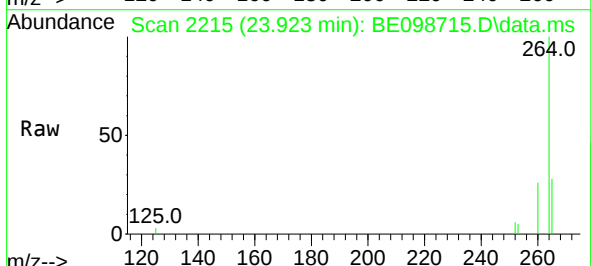
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11296  
Ion Ratio Lower Upper  
276 100  
138 16.7 13.3 19.9  
277 24.8 19.4 29.0



#34  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.923 min Scan# 2215  
Delta R.T. -0.004 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:264 Resp: 7634  
Ion Ratio Lower Upper  
264 100  
260 25.5 20.5 30.7  
265 28.2 22.3 33.5

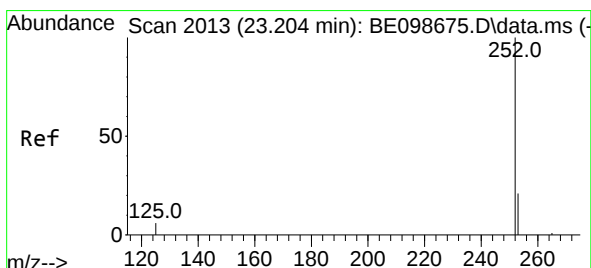
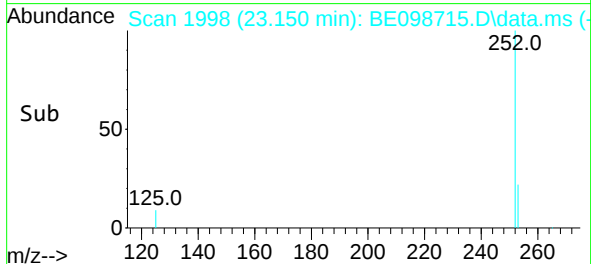
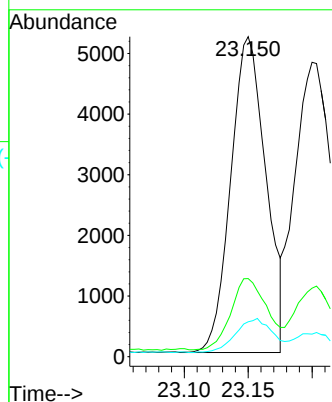
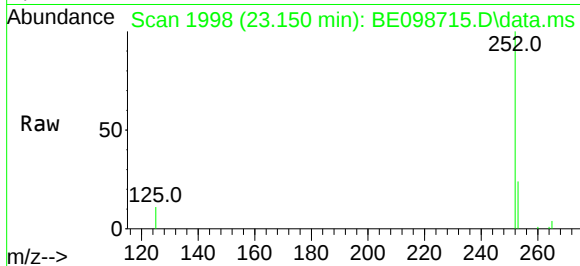




#35  
Benzo(b)fluoranthene  
Concen: 0.40 ng  
RT: 23.150 min Scan# 1998  
Delta R.T. -0.004 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

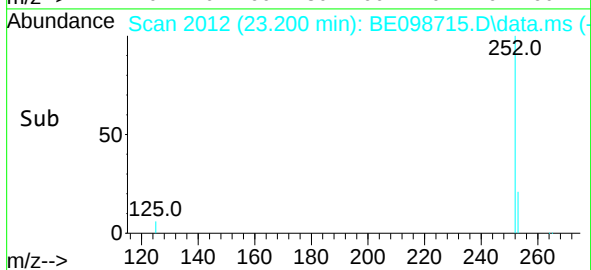
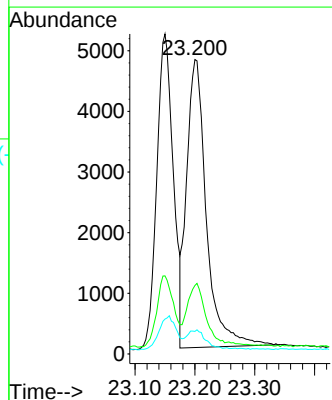
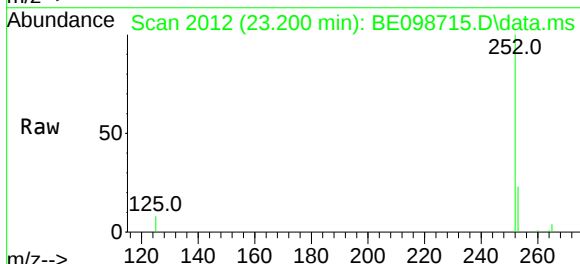
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

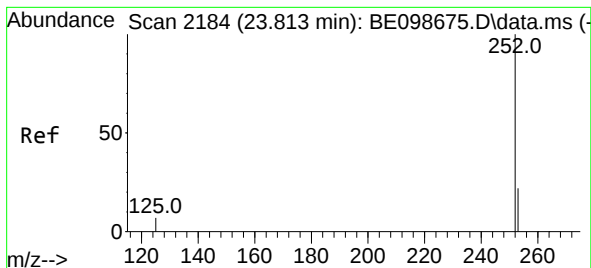
Tgt Ion:252 Resp: 9959  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.4 29.0  
125 10.9 8.2 12.4



#36  
Benzo(k)fluoranthene  
Concen: 0.41 ng  
RT: 23.200 min Scan# 2012  
Delta R.T. -0.004 min  
Lab File: BE098715.D  
Acq: 4 Feb 2019 19:54

Tgt Ion:252 Resp: 10901  
Ion Ratio Lower Upper  
252 100  
253 23.3 19.0 28.4  
125 7.7 7.0 10.4





#37

Benzo(a)pyrene

Concen: 0.41 ng

RT: 23.809 min Scan# 2183

Delta R.T. -0.004 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

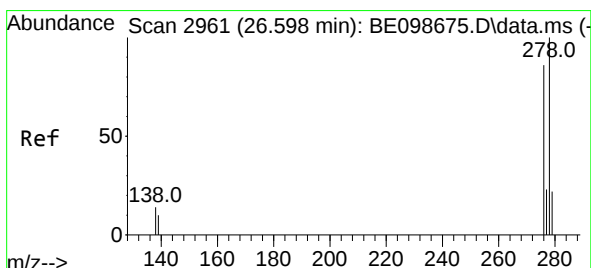
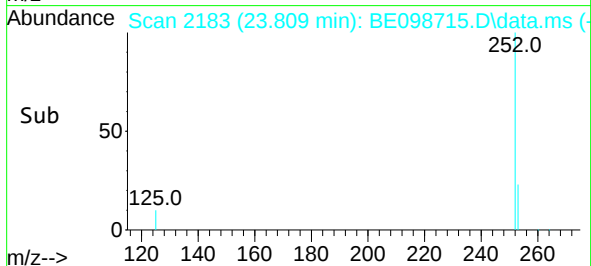
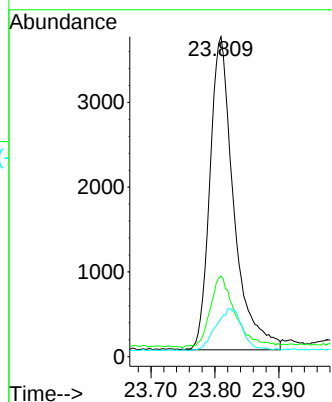
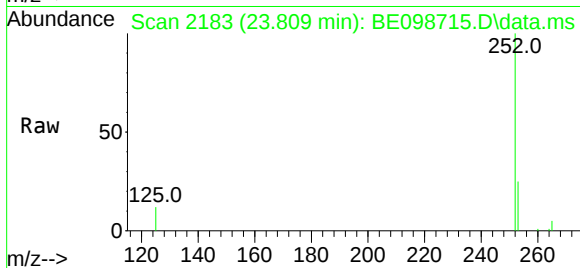
Tgt Ion:252 Resp: 9565

Ion Ratio Lower Upper

252 100

253 25.2 21.0 31.4

125 11.9 9.2 13.8



#38

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 26.584 min Scan# 2957

Delta R.T. -0.014 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

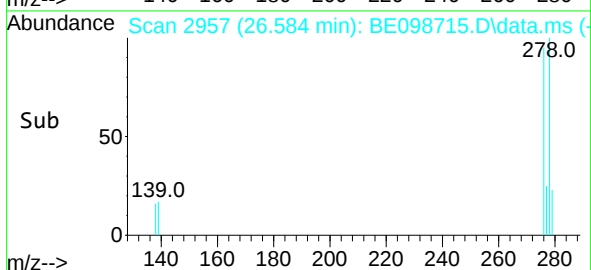
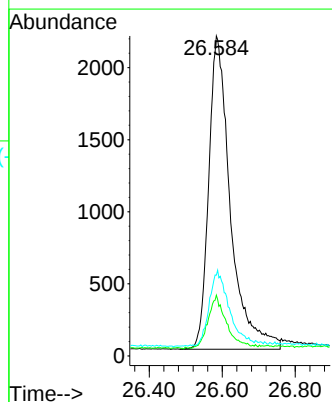
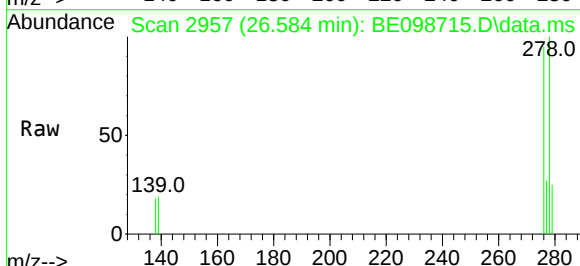
Tgt Ion:278 Resp: 8985

Ion Ratio Lower Upper

278 100

139 19.0 12.7 19.1

279 25.2 22.0 33.0





#39

Benzo(g,h,i)perylene

Concen: 0.39 ng

RT: 27.372 min Scan# 3178

Delta R.T. -0.018 min

Lab File: BE098715.D

Acq: 4 Feb 2019 19:54

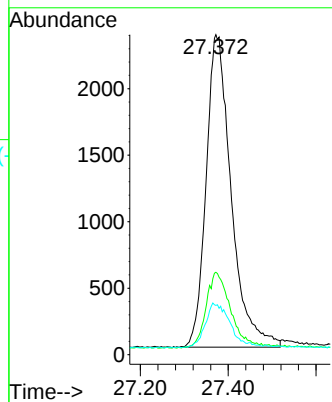
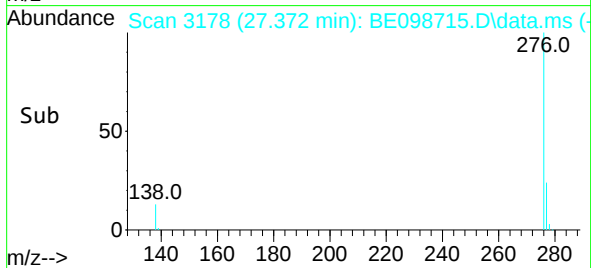
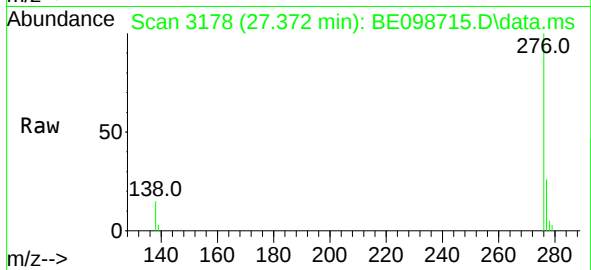
Tgt Ion: 276 Resp: 9325

Ion Ratio Lower Upper

276 100

277 25.8 20.3 30.5

138 15.4 13.3 19.9



Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC