

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\  
 Data File : BE100282.D  
 Acq On : 2 Jul 2019 2:20  
 Operator : JU/SJ  
 Sample : K3446-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-007-B255-061819

Manual Integrations  
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 7/3/2019 10:52:47 PM

Quant Time: Jul 02 04:13:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 976      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 3372     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2501     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 6994     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.24 | 240  | 9482     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.68 | 264  | 10833    | 0.40 | ng    | 0.01     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.22  | 112 | 696   | 0.28 | ng | 0.01  |
| 5) Phenol-d6                | 6.83  | 99  | 880   | 0.27 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 945   | 0.28 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 2215  | 0.35 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 442   | 0.25 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 2207  | 0.23 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 32340 | 0.32 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 4408  | 0.22 | ng | 0.00  |

#### Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 9) Naphthalene                 | 10.48 | 128 | 12199   | 0.328  | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 1201    | 0.184  | ng | 97     |
| 16) Acenaphthylene             | 14.04 | 152 | 4960    | 0.413  | ng | 98     |
| 17) Acenaphthene               | 14.38 | 154 | 2159    | 0.317  | ng | 99     |
| 18) Fluorene                   | 15.35 | 166 | 3535    | 0.351  | ng | # 92   |
| 23) Phenanthrene               | 17.09 | 178 | 98434   | 5.807  | ng | 100    |
| 24) Anthracene                 | 17.19 | 178 | 31867   | 2.088  | ng | 97     |
| 26) Fluoranthene               | 19.13 | 202 | 392663  | 14.543 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 368864  | 14.693 | ng | # 96   |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 305800  | 9.809  | ng | 97     |
| 31) Chrysene                   | 21.28 | 228 | 254546  | 8.131  | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 10578   | 0.182  | ng | # 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.25 | 276 | 194883  | 4.706  | ng | # 97   |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 359813  | 12.251 | ng | # 96   |
| 36) Benzo(k)fluoranthene       | 22.98 | 252 | 140734m | 4.293  | ng |        |
| 37) Benzo(a)pyrene             | 23.57 | 252 | 277339  | 9.422  | ng | # 94   |
| 38) Dibenzo(a,h)anthracene     | 26.26 | 278 | 51978   | 1.691  | ng | # 92   |
| 39) Benzo(a,h,i)perylene       | 27.04 | 276 | 182820  | 5.789  | ng | 98     |

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

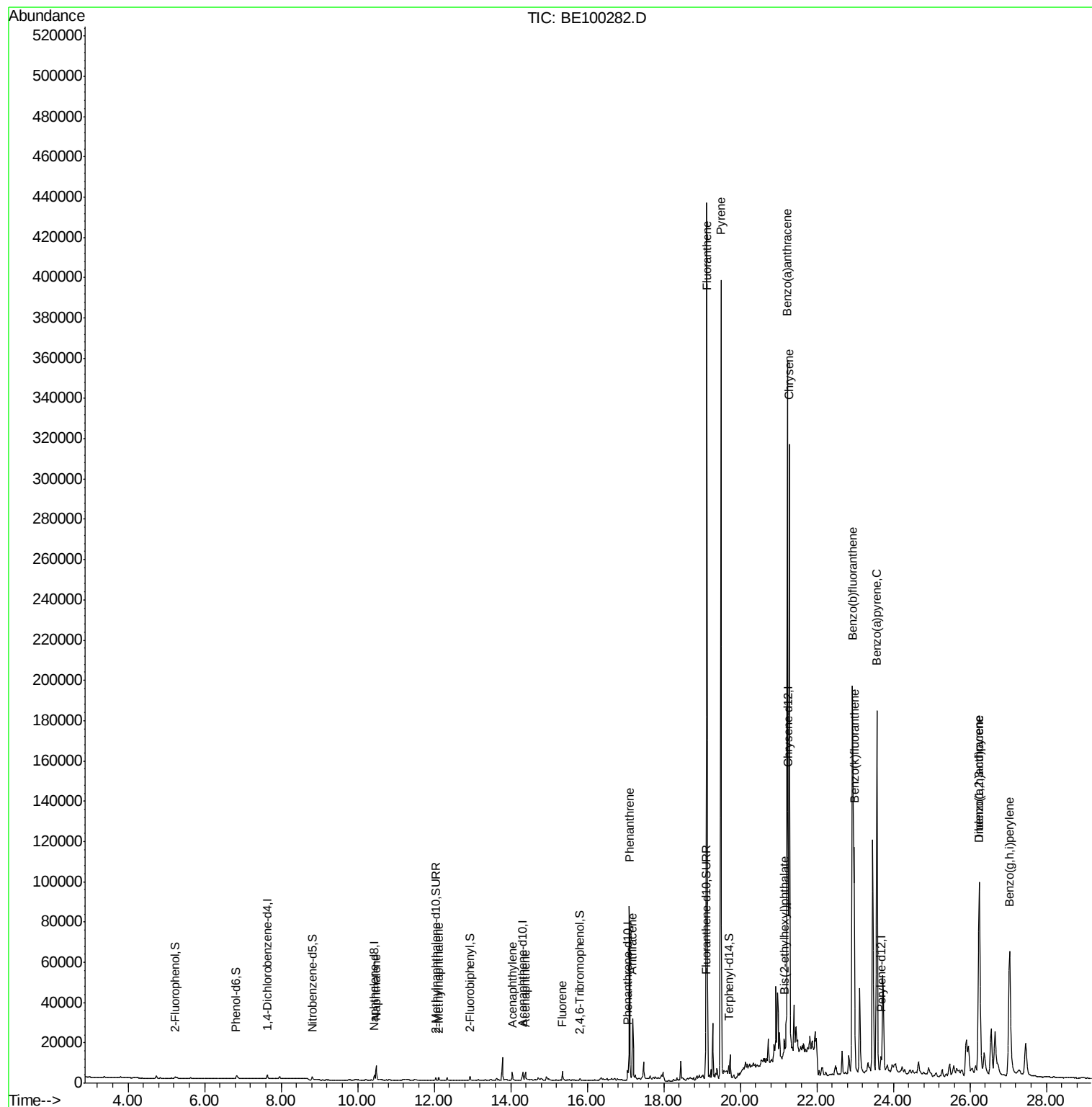
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\  
Data File : BE100282.D  
Acq On : 2 Jul 2019 2:20  
Operator : JU/SJ  
Sample : K3446-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

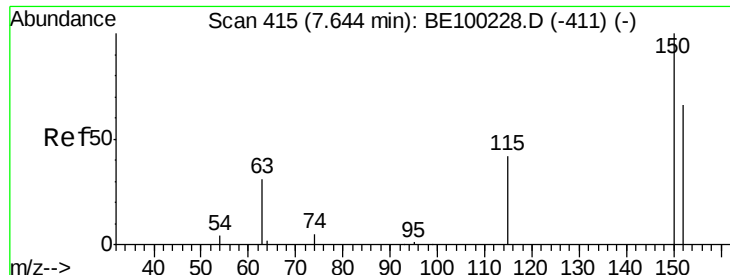
Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

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Quant Time: Jul 02 04:13:06 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 14:06:53 2019  
Response via : Initial Calibration





#1

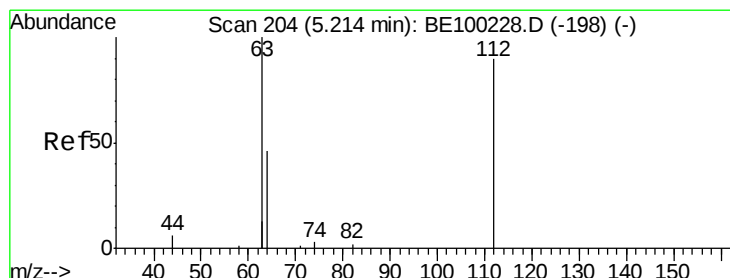
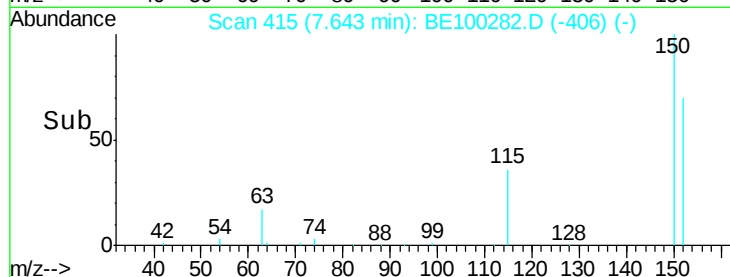
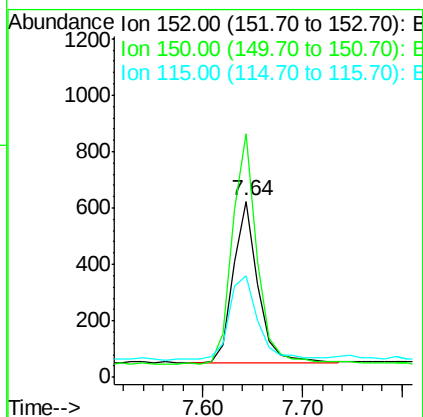
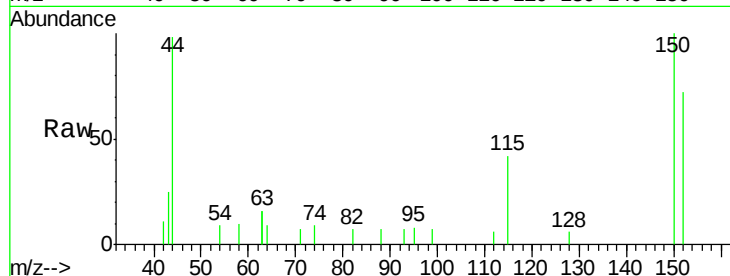
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.64 min Scan# 415  
Delta R.T. -0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 138.1 | 114.5 | 171.7 |
| 115     | 57.6  | 57.1  | 85.7  |

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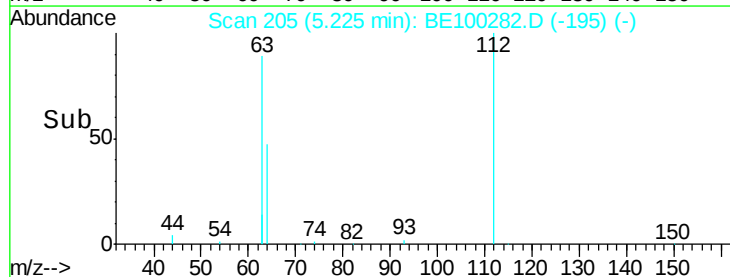
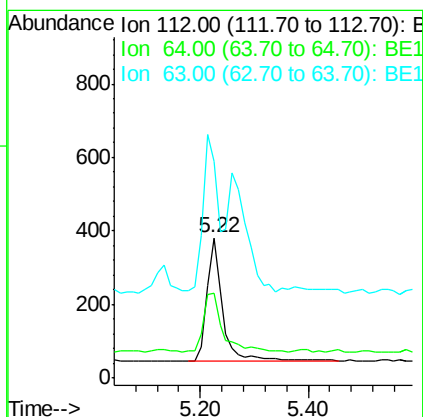
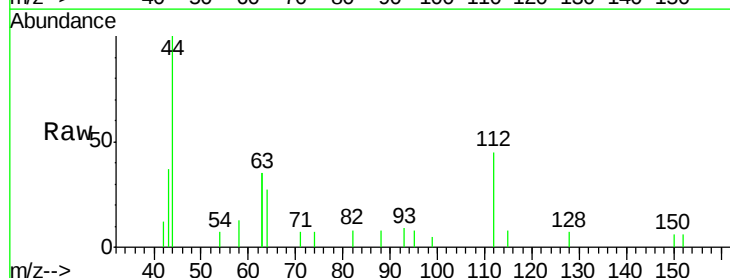
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#4

2-Fluorophenol  
Concen: 0.280 ng  
RT: 5.22 min Scan# 205  
Delta R.T. 0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.9  | 39.4  | 59.0# |
| 63      | 108.6 | 104.5 | 156.7 |





#5

Phenol-d6

Concen: 0.269 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

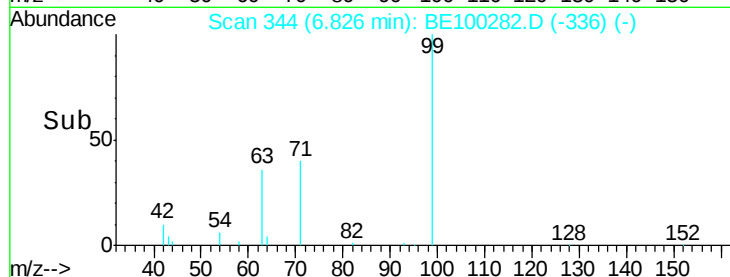
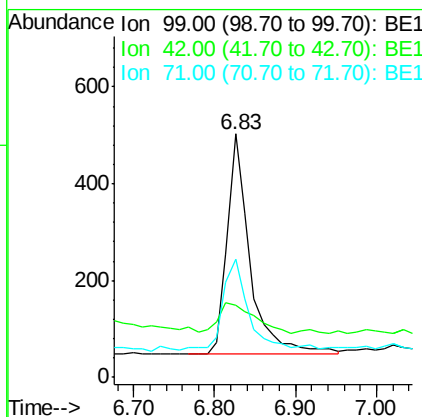
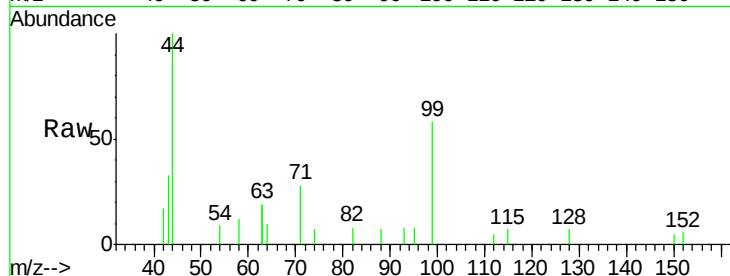
ClientSampleId :

PST-007-B255-061819

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 880   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.9  | 11.2  | 16.8# |
| 71       | 46.5  | 37.2  | 55.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

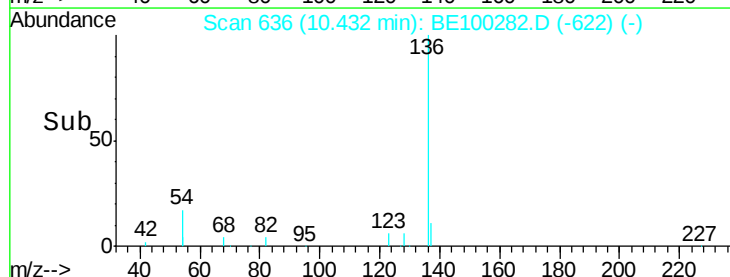
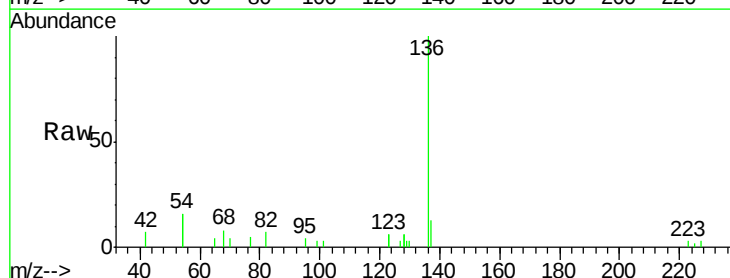
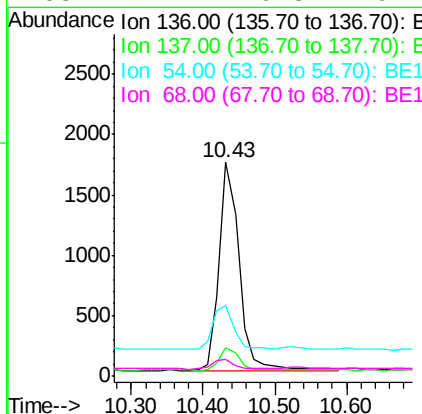
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 3372  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.1  | 11.8  | 17.8  |
| 54       | 32.9  | 27.7  | 41.5  |
| 68       | 7.7   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.282 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

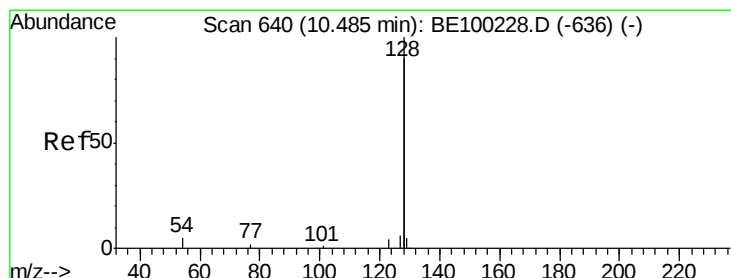
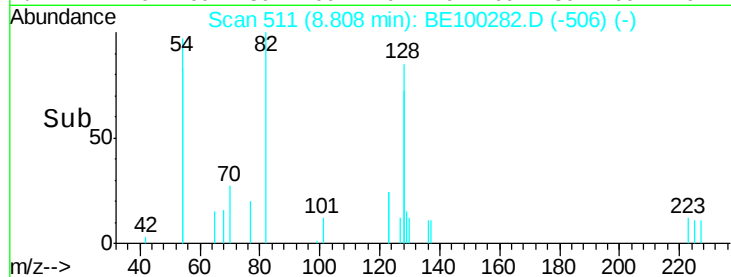
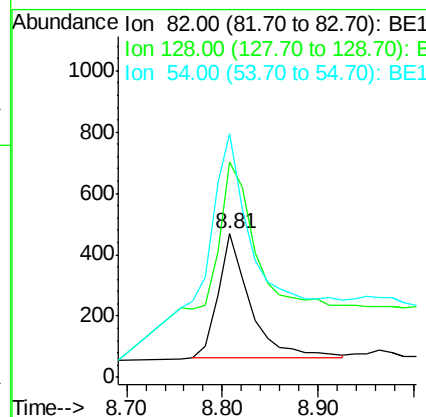
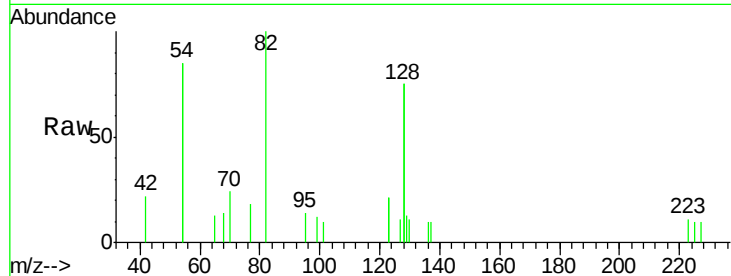
ClientSampleId :

PST-007-B255-061819

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 945   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 150.0 | 140.9 | 211.3 |
| 54       | 169.7 | 146.2 | 219.2 |

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#9

Naphthalene

Concen: 0.328 ng

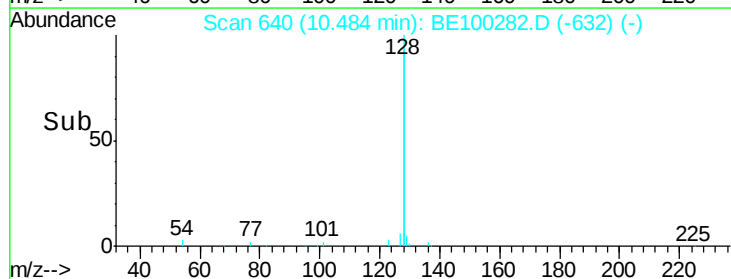
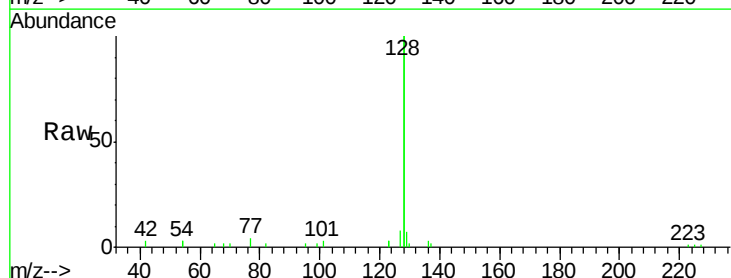
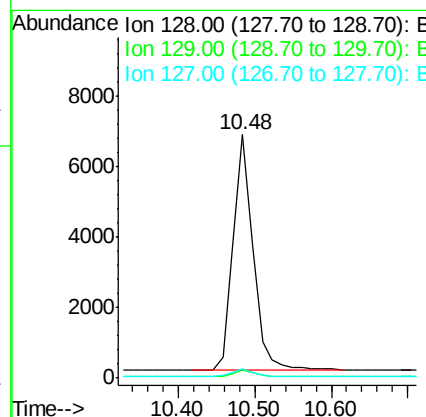
RT: 10.48 min Scan# 640

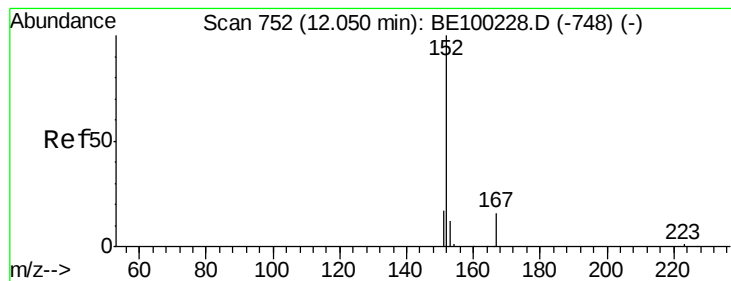
Delta R.T. -0.00 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12199 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.4   | 3.0   | 4.6   |
| 127      | 3.9   | 3.5   | 5.3   |





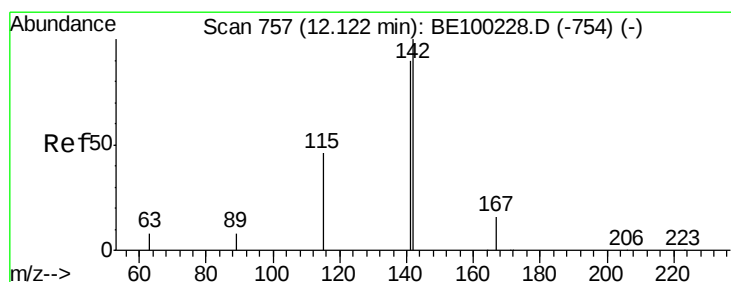
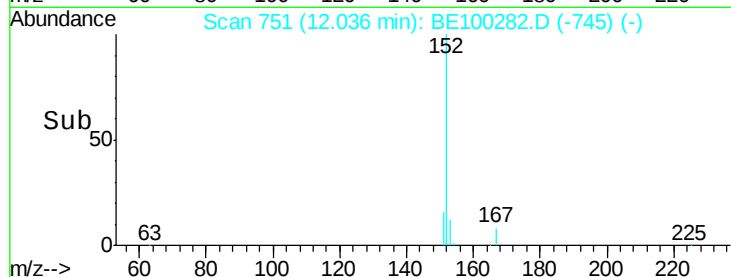
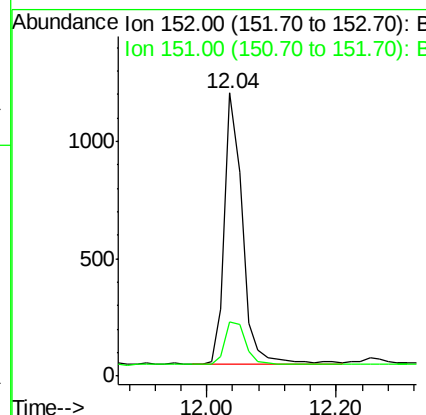
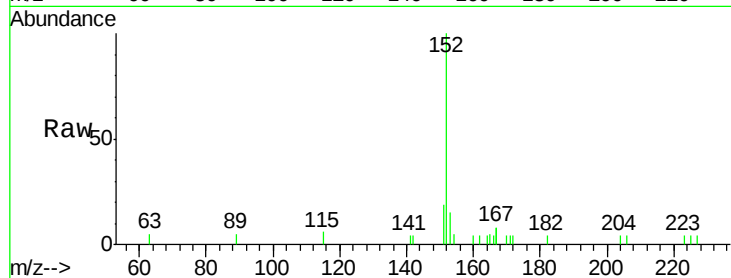
#11  
2-Methylnaphthalene-d10  
Concen: 0.349 ng  
RT: 12.04 min Scan# 751  
Delta R.T. -0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.9  | 15.1  | 22.7  |

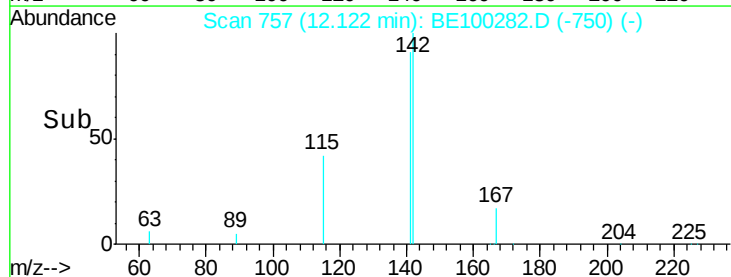
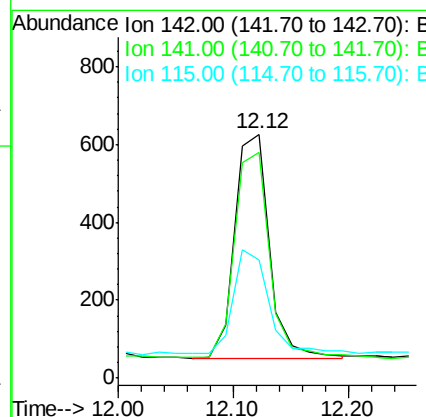
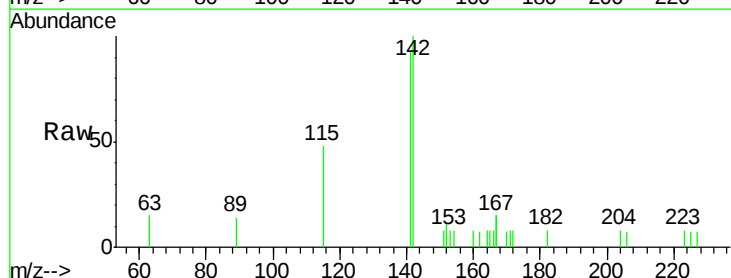
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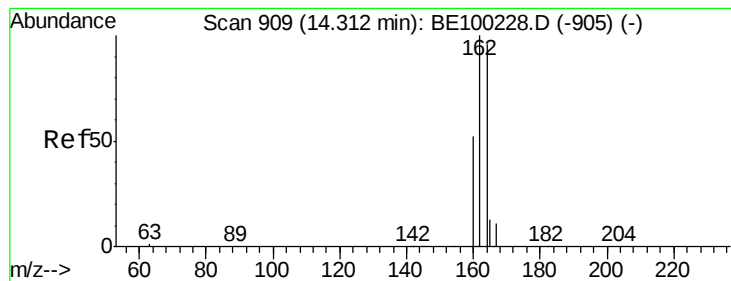
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#12  
2-Methylnaphthalene  
Concen: 0.184 ng  
RT: 12.12 min Scan# 757  
Delta R.T. 0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.7  | 72.4  | 108.6 |
| 115     | 48.2  | 40.4  | 60.6  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

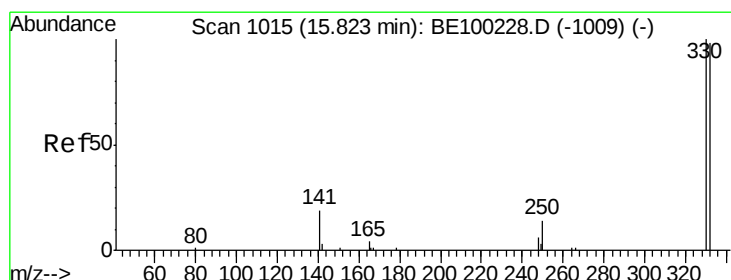
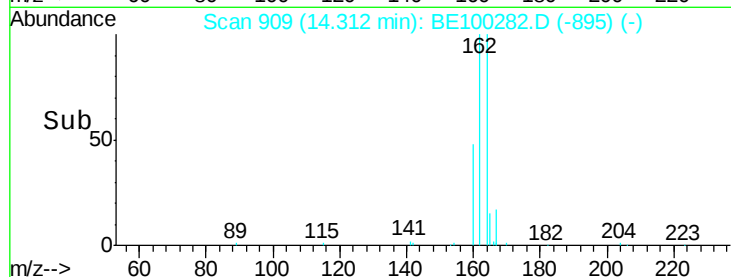
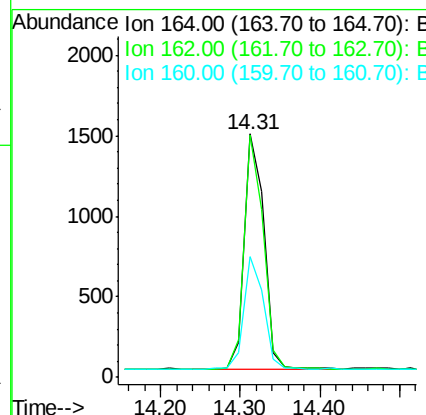
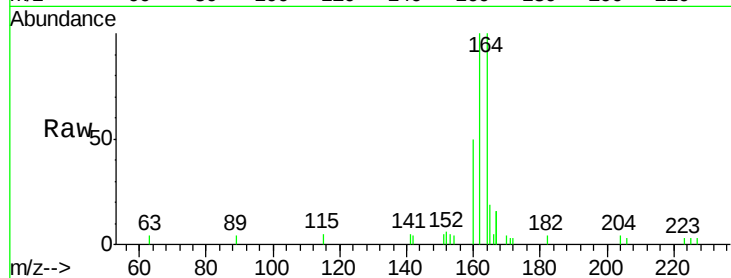
ClientSampleId :

PST-007-B255-061819

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 2501  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 99.5  | 83.4  | 125.0 |
| 160       | 49.7  | 45.0  | 67.6  |

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#14

2,4,6-Tribromophenol

Concen: 0.253 ng

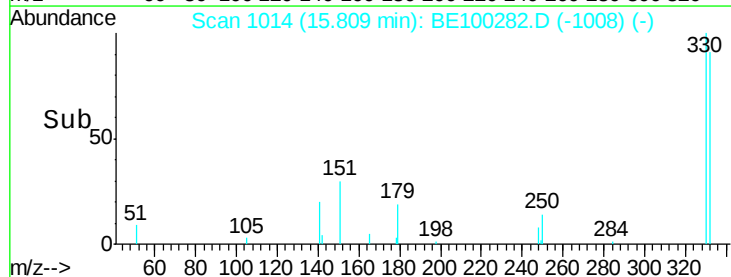
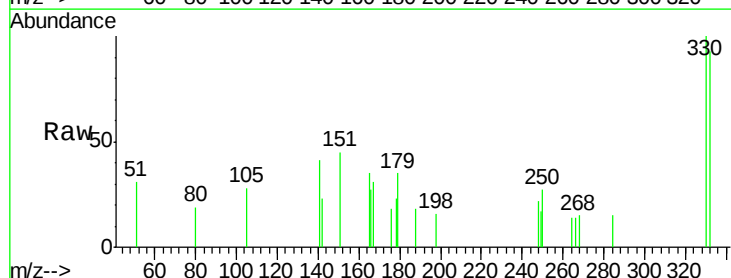
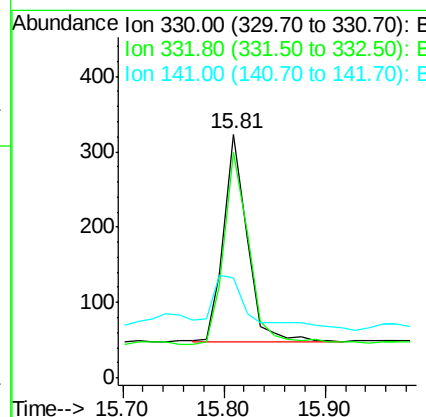
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 442   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 99.8  | 77.0  | 115.4 |
| 141       | 43.0  | 22.0  | 33.0# |





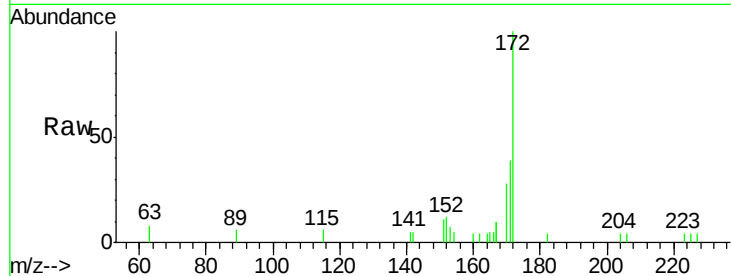
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2-Fluorobiphenyl  
Concen: 0.226 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

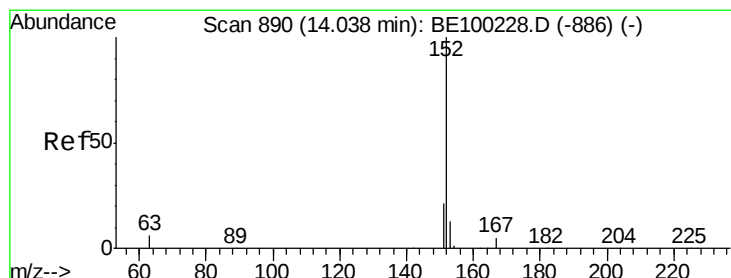
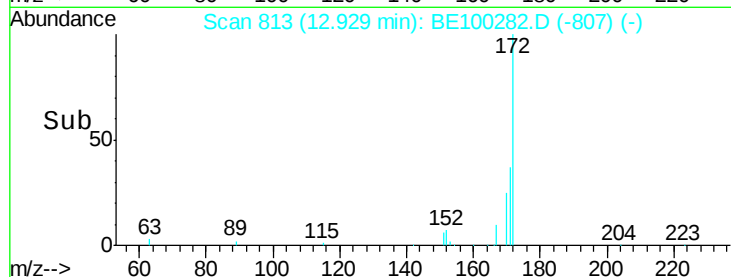
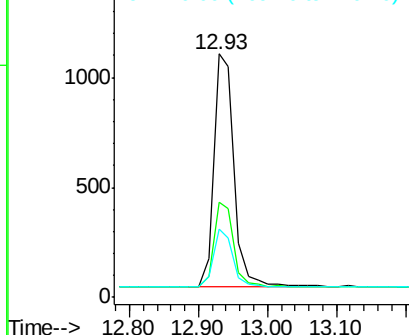
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.2  | 31.9  | 47.9  |
| 170     | 28.2  | 22.2  | 33.2  |

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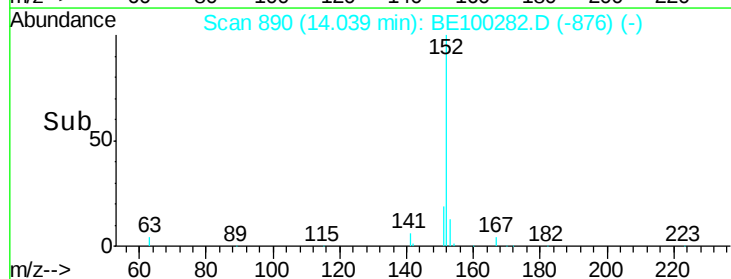
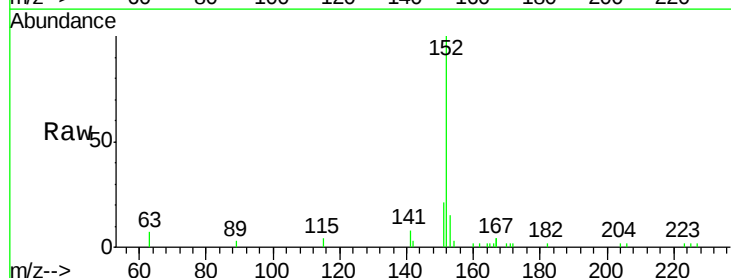
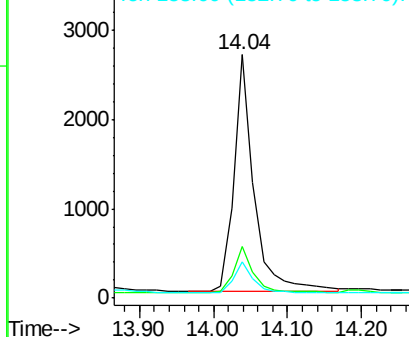
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

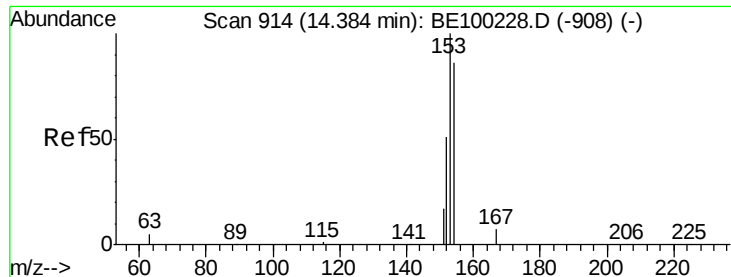


#16  
Acenaphthylene  
Concen: 0.413 ng  
RT: 14.04 min Scan# 890  
Delta R.T. 0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.6  | 25.0  |
| 153     | 14.4  | 10.5  | 15.7  |

Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





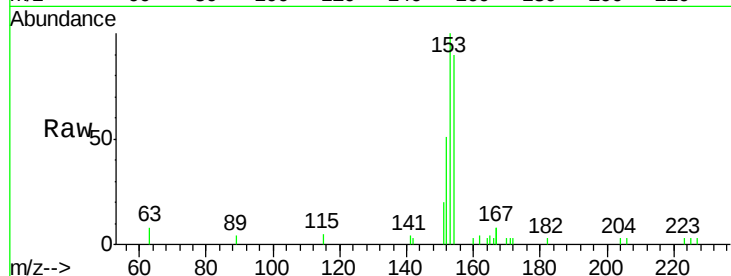
#17  
Acenaphthene  
Concen: 0.317 ng  
RT: 14.38 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

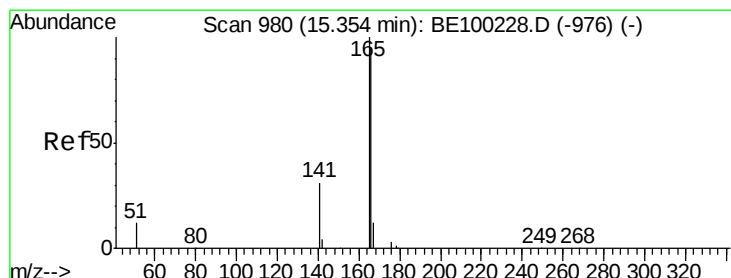
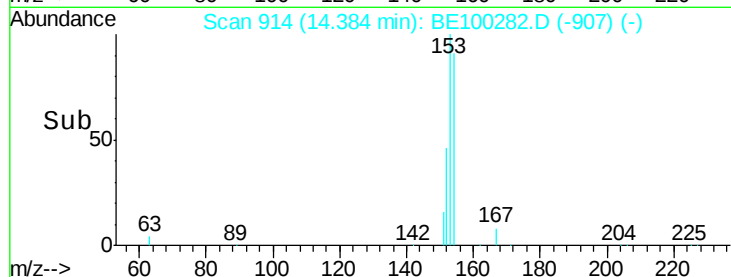
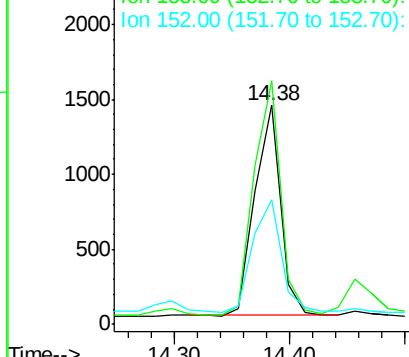
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.9 | 93.4  | 140.2 |
| 152     | 60.1  | 49.4  | 74.2  |

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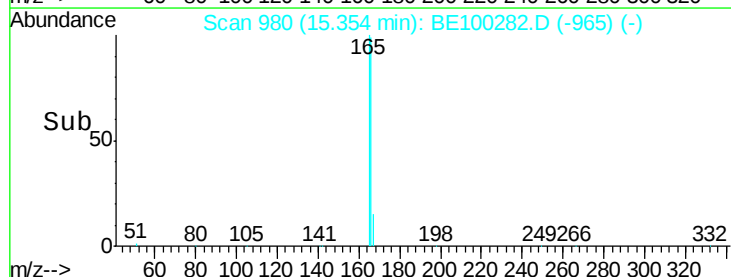
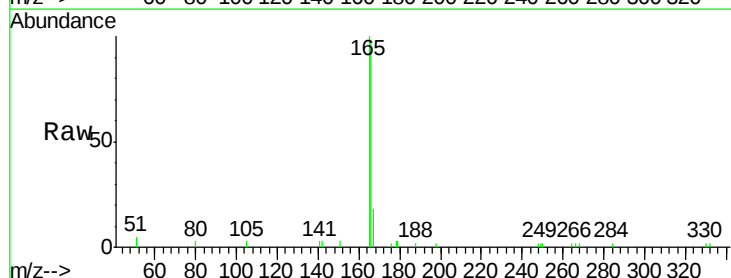
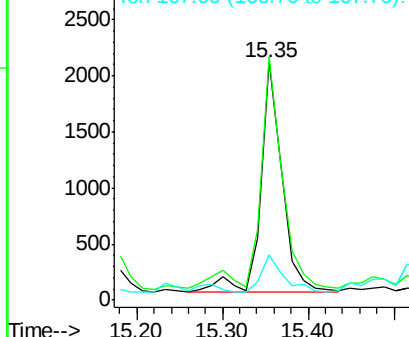
Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

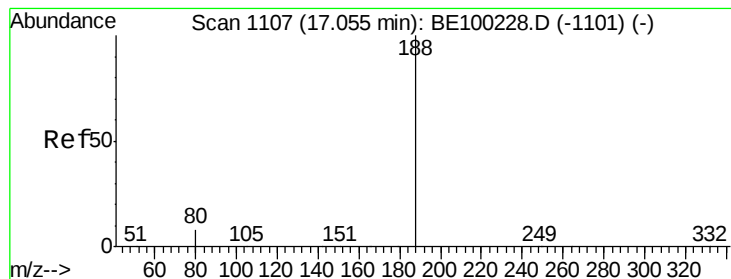


#18  
Fluorene  
Concen: 0.351 ng  
RT: 15.35 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 109.3 | 81.1  | 121.7 |
| 167     | 16.4  | 10.7  | 16.1# |

Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

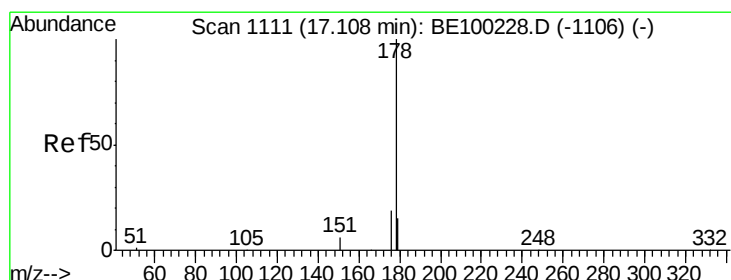
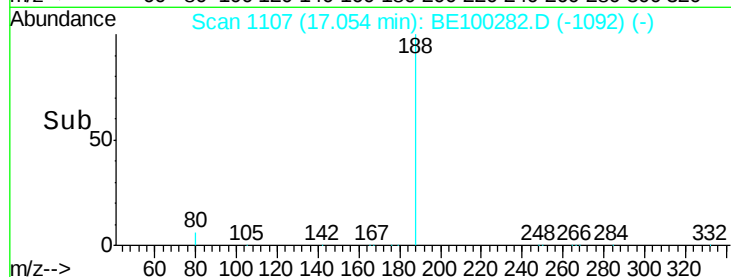
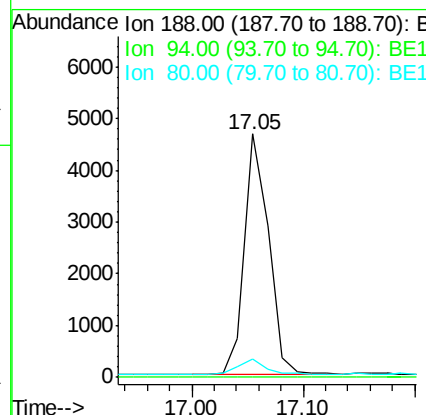
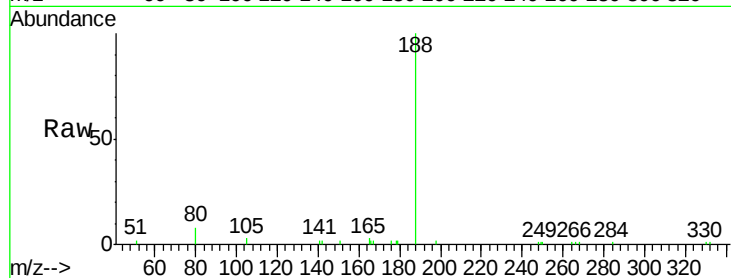
ClientSampleId :

PST-007-B255-061819

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 6994 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 7.6   | 7.6   | 11.4 |

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#23

Phenanthrene

Concen: 5.807 ng

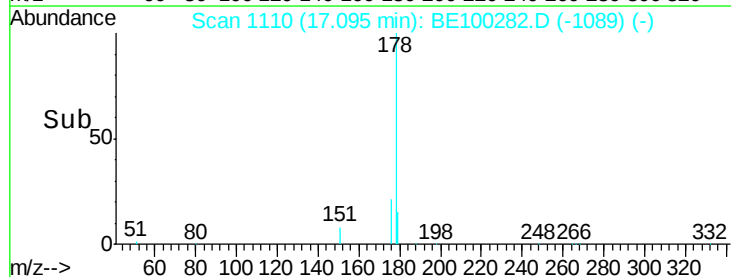
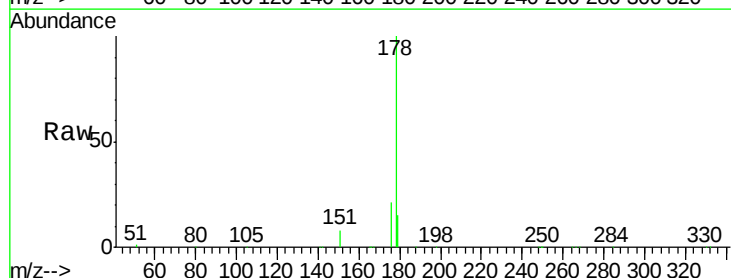
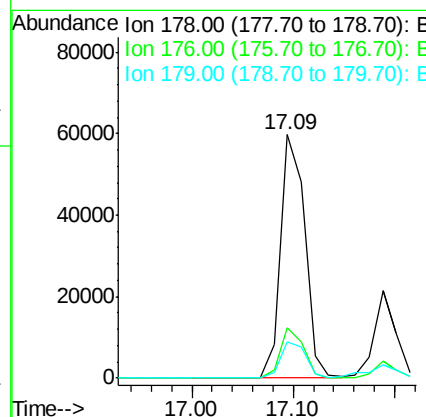
RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 98434 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.9  | 15.9  | 23.9  |
| 179       | 15.2  | 12.2  | 18.2  |





#24

Anthracene

Concen: 2.088 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

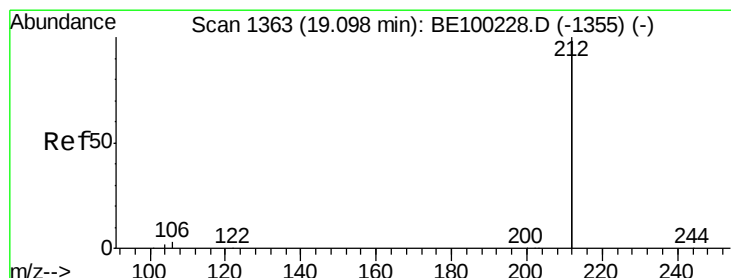
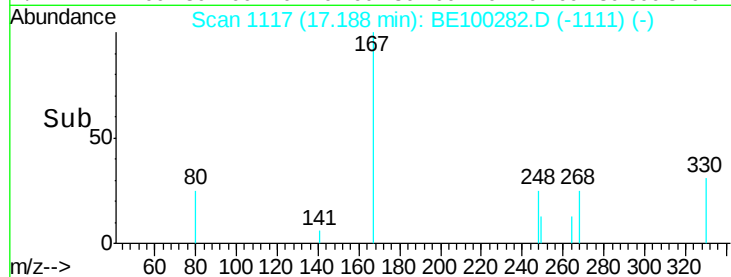
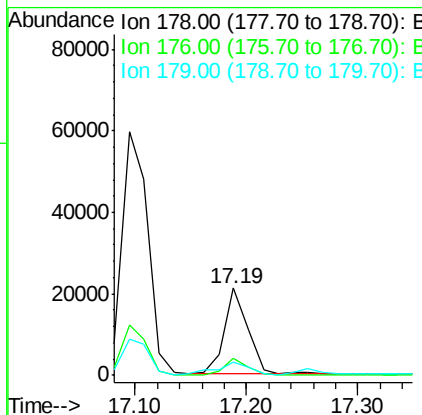
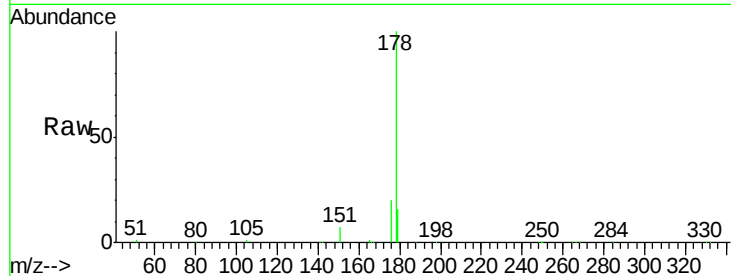
ClientSampleId :

PST-007-B255-061819

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 31867 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.7  | 15.3  | 22.9  |
| 179       | 17.8  | 12.2  | 18.2  |

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#25

Fluoranthene-d10

Concen: 0.319 ng

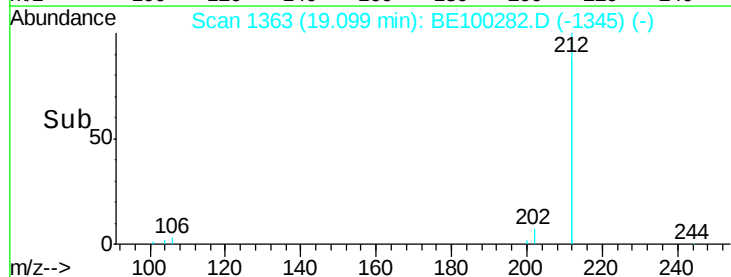
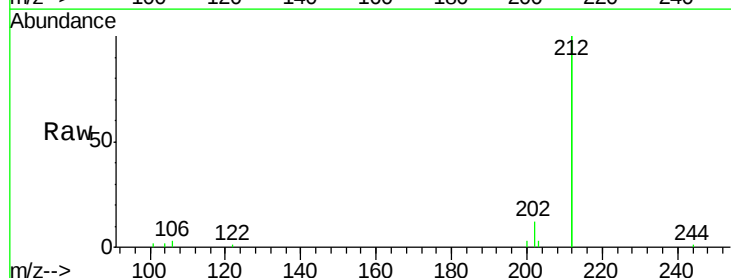
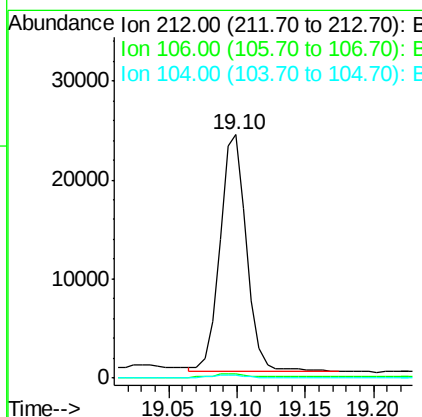
RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 32340 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.7   | 1.3   | 1.9   |
| 104       | 1.0   | 0.8   | 1.2   |





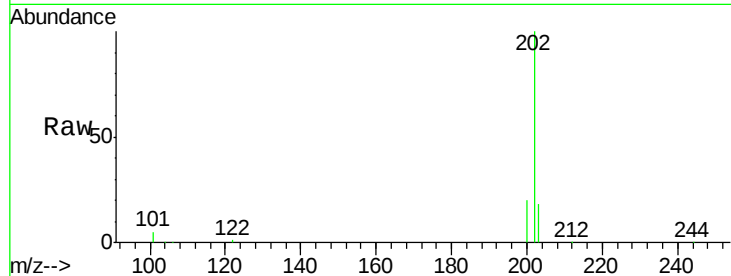
#26  
 Fluoranthene  
 Concen: 14.543 ng  
 RT: 19.13 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: BE100282.D  
 Acq: 2 Jul 2019 2:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-007-B255-061819

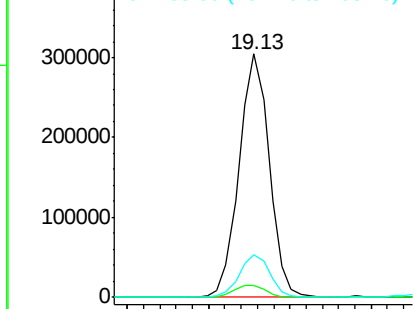
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 392663 |       |       |
| 101     | 5.3   |        | 4.6   | 7.0   |
| 203     | 17.7  |        | 13.7  | 20.5  |

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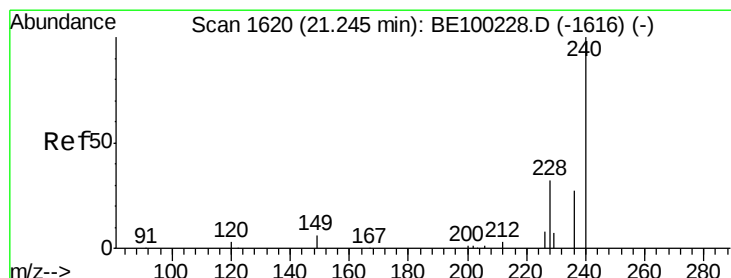
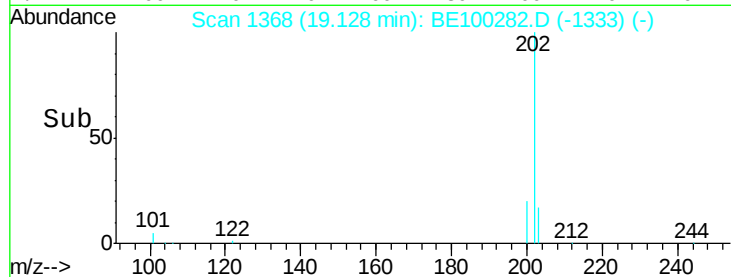
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Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

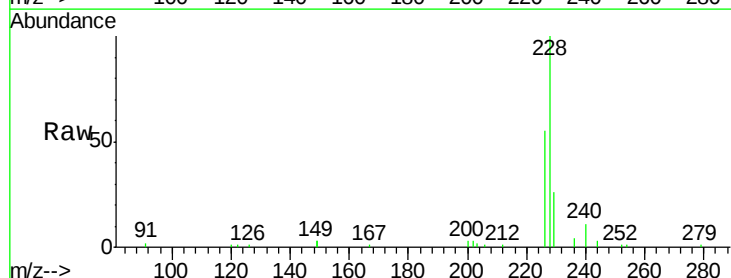


Time--> 19.05 19.10 19.15 19.20

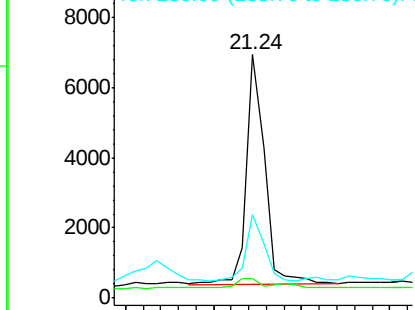


#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.24 min Scan# 1619  
 Delta R.T. -0.00 min  
 Lab File: BE100282.D  
 Acq: 2 Jul 2019 2:20

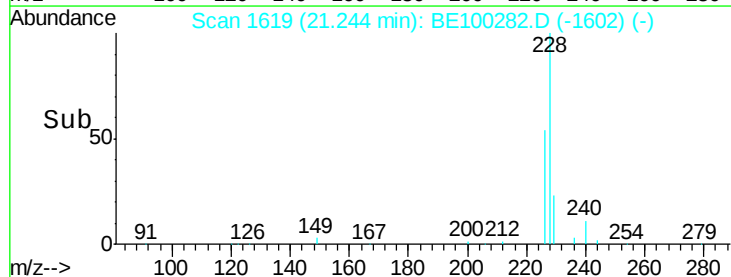
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   | 9482 |       |       |
| 120     | 8.2   |      | 3.3   | 4.9#  |
| 236     | 34.3  |      | 22.6  | 34.0# |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E



Time--> 21.10 21.20 21.30





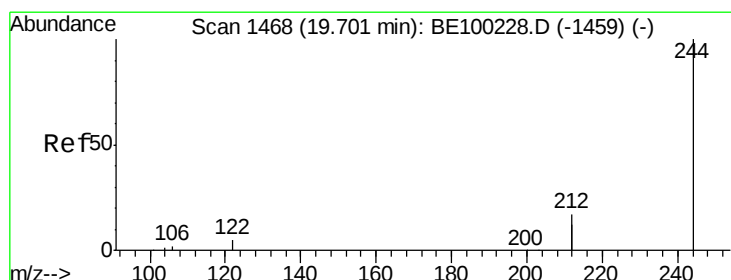
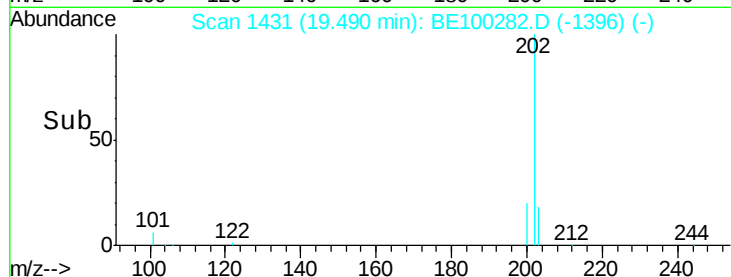
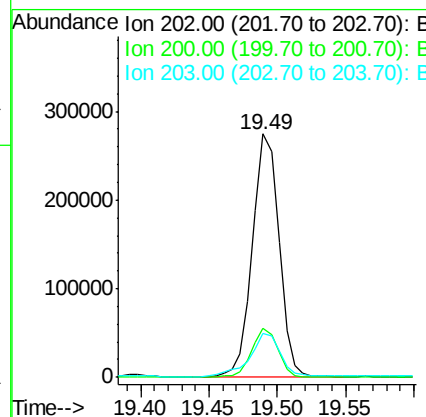
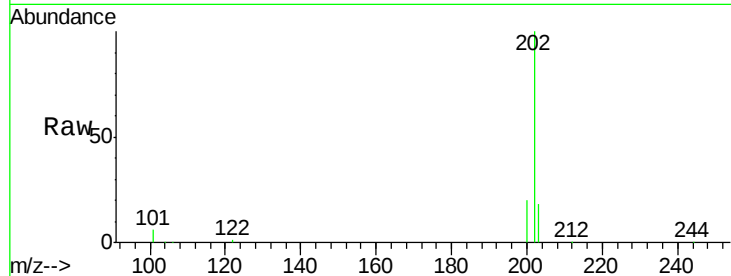
#28  
Pvrene  
Concen: 14.693 ng  
RT: 19.49 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 19.9  | 15.6       | 23.4  |
| 203     | 21.1  | 14.0       | 21.0  |

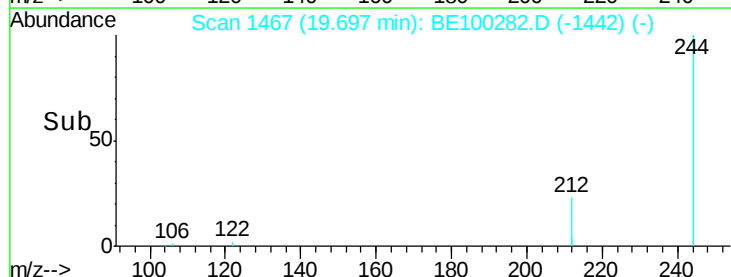
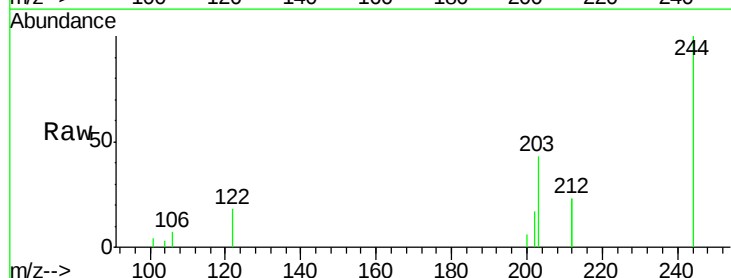
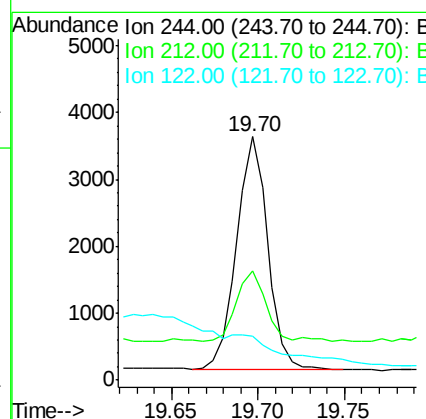
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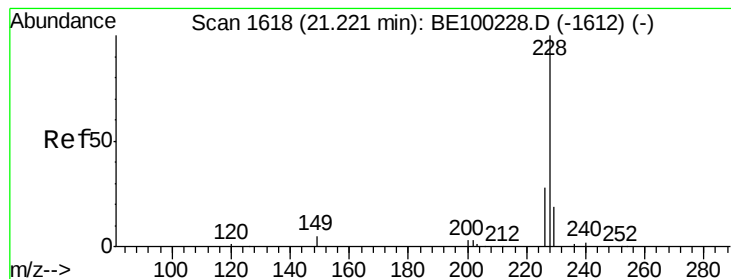
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#29  
Terphenyl-d14  
Concen: 0.224 ng  
RT: 19.70 min Scan# 1467  
Delta R.T. -0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 45.1  | 27.3       | 40.9  |
| 122     | 18.1  | 4.7        | 7.1   |





#30

Benzo(a)anthracene

Concen: 9.809 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

Instrument :

BNA\_E

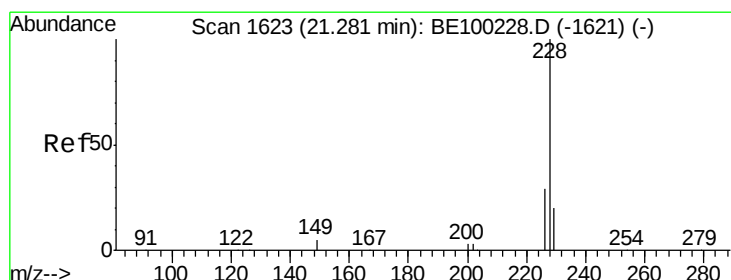
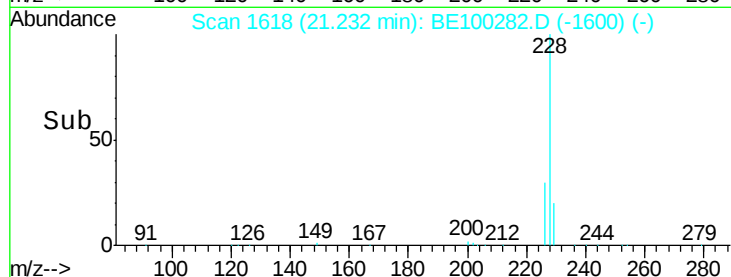
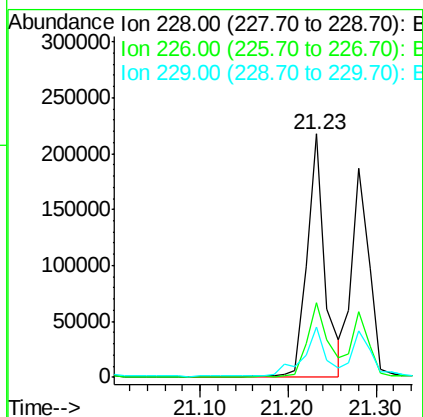
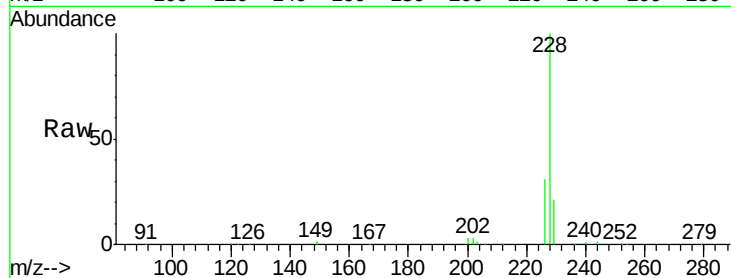
ClientSampleId :

PST-007-B255-061819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 305800 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 23.2  | 34.8   |
| 229       | 20.9  | 15.7  | 23.5   |

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#31

Chrysene

Concen: 8.131 ng

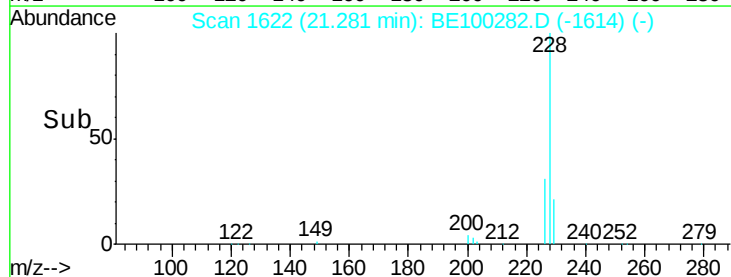
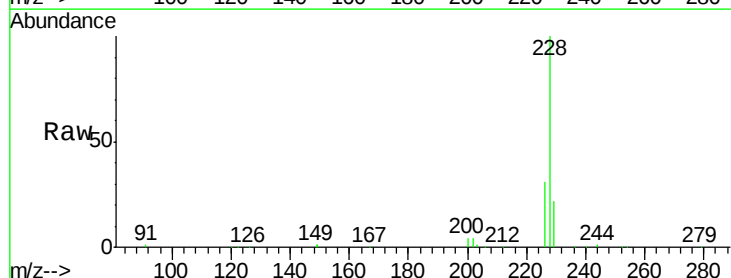
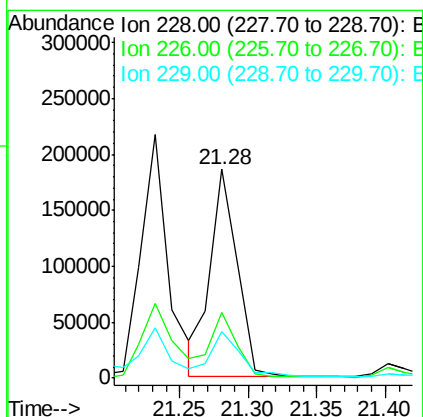
RT: 21.28 min Scan# 1622

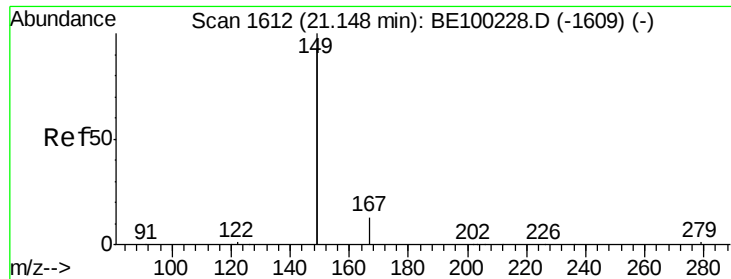
Delta R.T. -0.00 min

Lab File: BE100282.D

Acq: 2 Jul 2019 2:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 254546 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.2  | 23.9  | 35.9   |
| 229       | 22.1  | 16.5  | 24.7   |





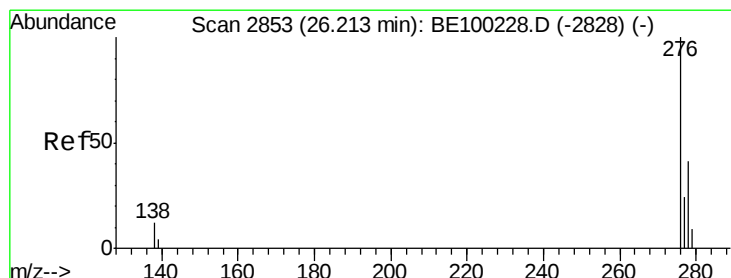
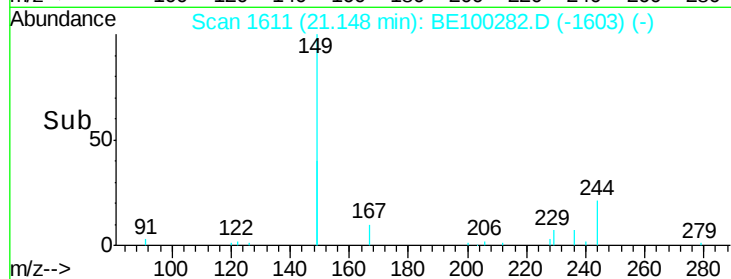
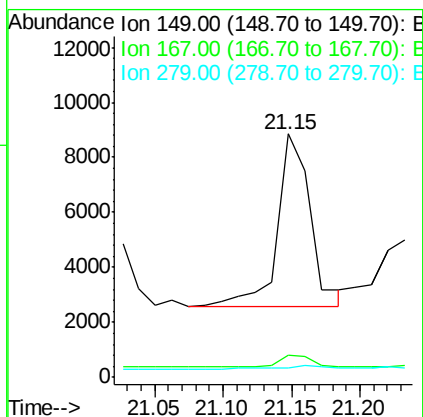
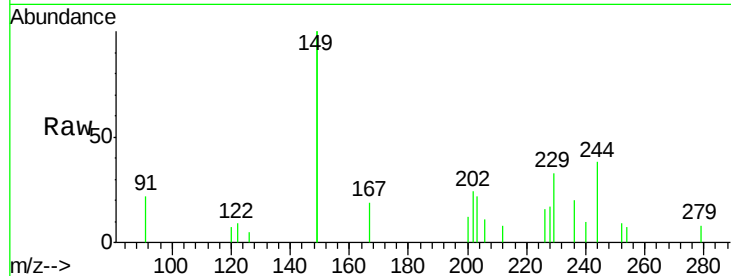
#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.182 ng  
RT: 21.15 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.3   | 5.8   | 8.8   |
| 279     | 2.0   | 1.1   | 1.7#  |

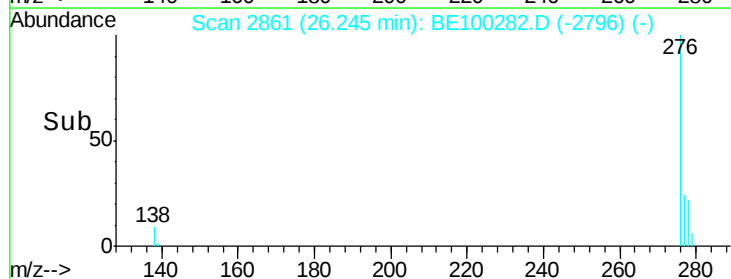
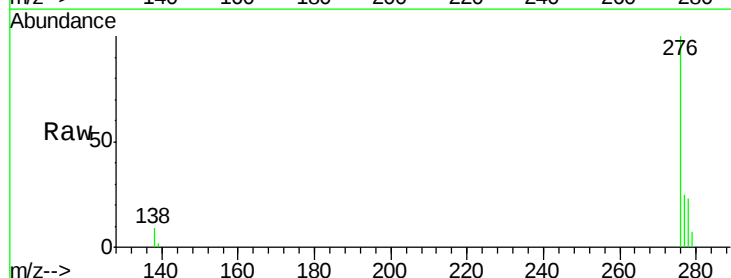
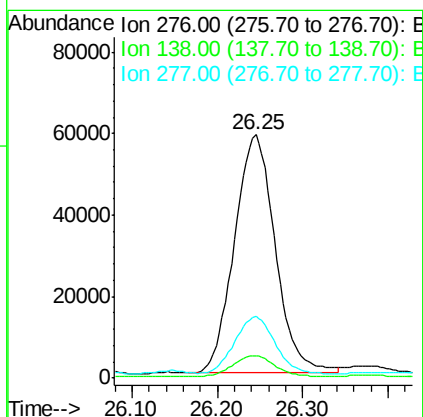
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#33  
Indeno(1,2,3-cd)pyrene  
Concen: 4.706 ng  
RT: 26.25 min Scan# 2861  
Delta R.T. 0.03 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 8.7   | 9.4   | 14.0# |
| 277     | 23.5  | 19.2  | 28.8  |





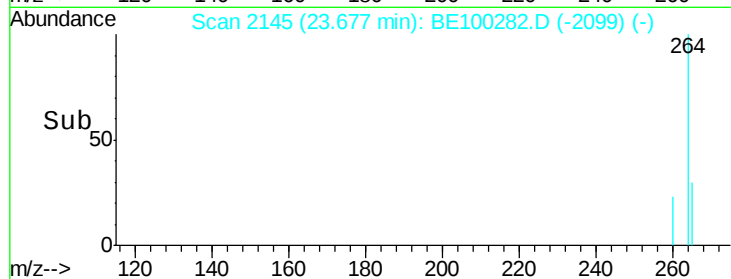
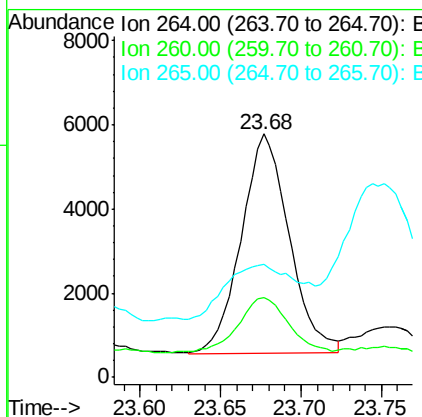
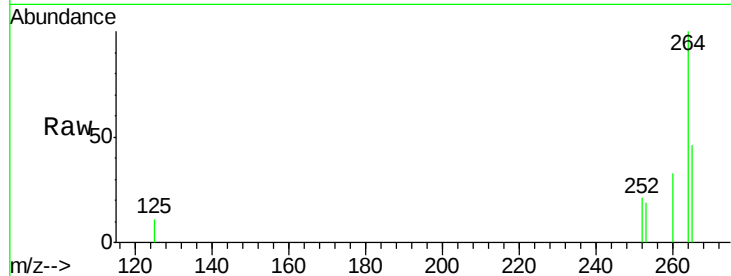
#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.68 min Scan# 2145  
Delta R.T. 0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 32.5  | 20.8  | 31.2# |
| 265     | 46.2  | 21.8  | 32.6# |

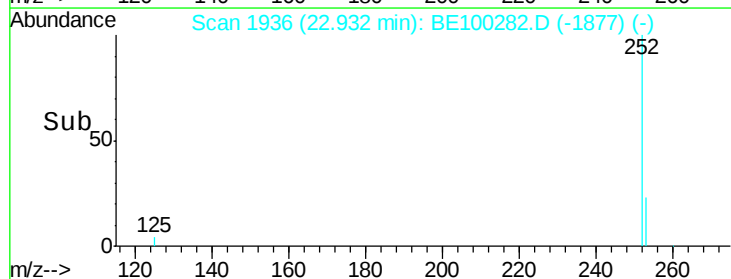
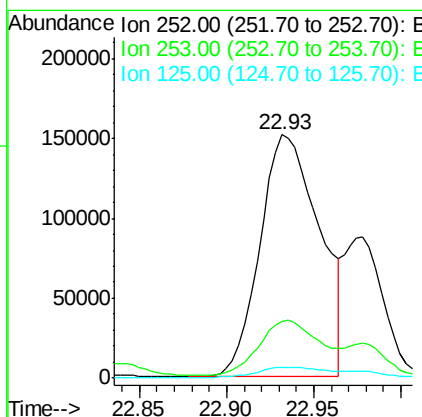
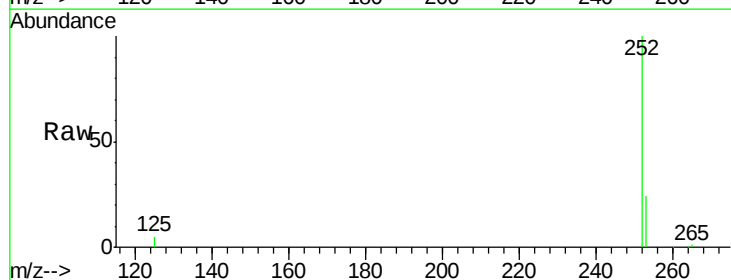
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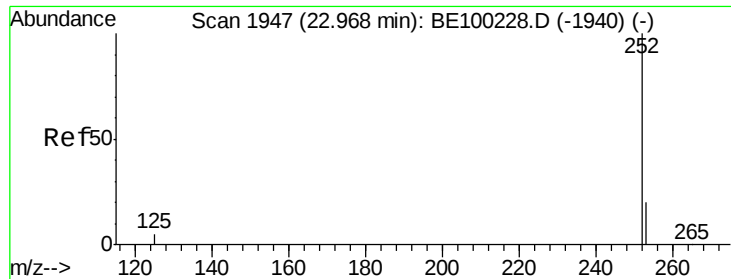
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#35  
Benzo(b)fluoranthene  
Concen: 12.251 ng  
RT: 22.93 min Scan# 1936  
Delta R.T. 0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 19.2  | 28.8  |
| 125     | 4.5   | 7.4   | 11.0# |





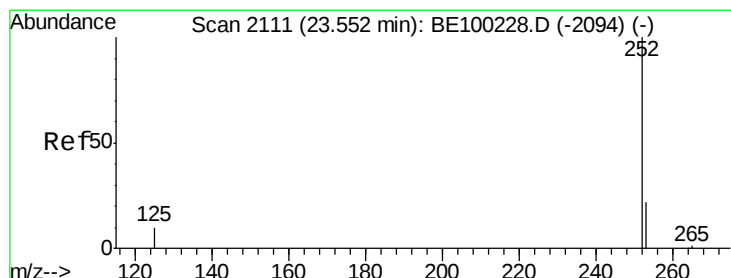
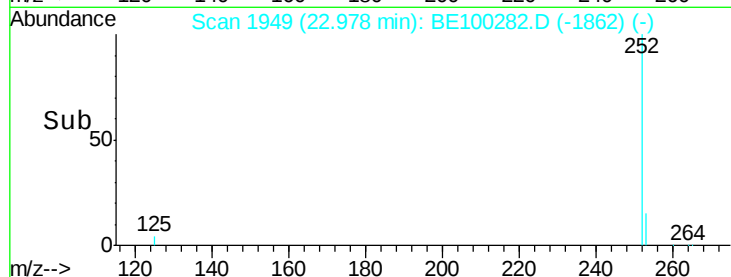
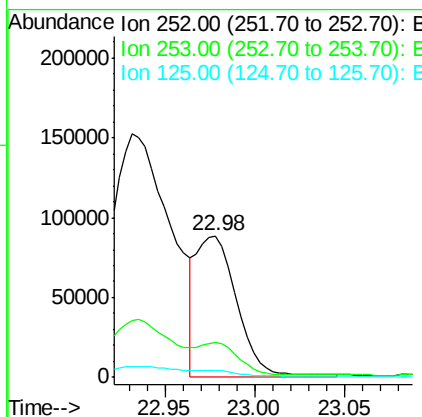
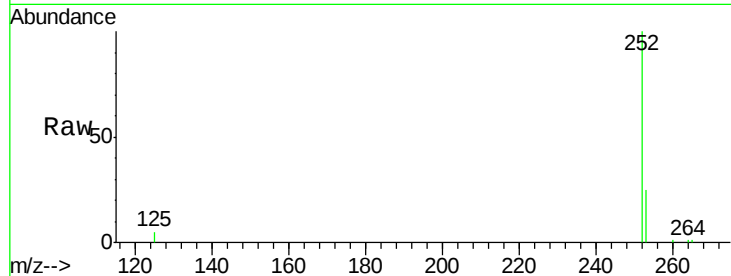
#36  
Benzo(k)fluoranthene  
Concen: 4.293 ng  
RT: 22.98 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 17.9  | 26.9  |
| 125     | 4.8   | 5.0   | 7.4   |

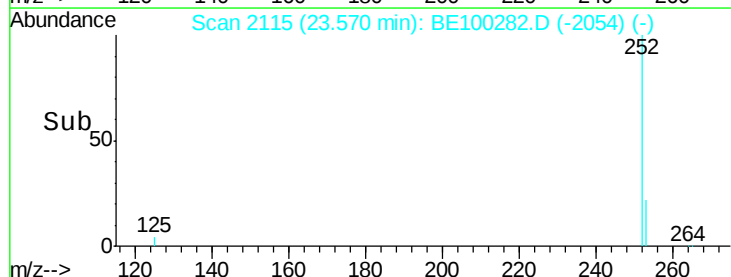
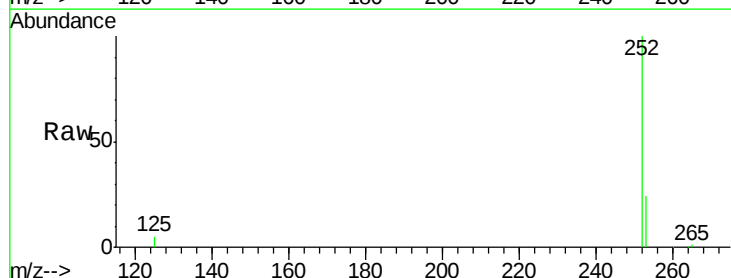
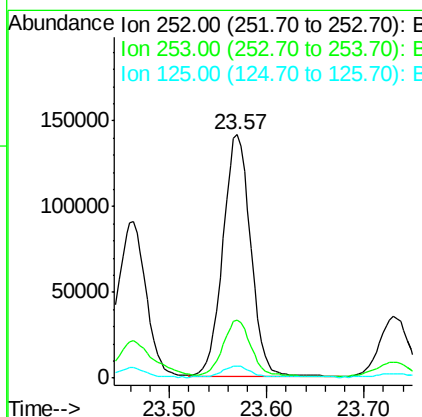
Manual Integrations  
APPROVED

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#37  
Benzo(a)pyrene  
Concen: 9.422 ng  
RT: 23.57 min Scan# 2115  
Delta R.T. 0.02 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 19.6  | 29.4  |
| 125     | 4.9   | 9.0   | 13.6  |





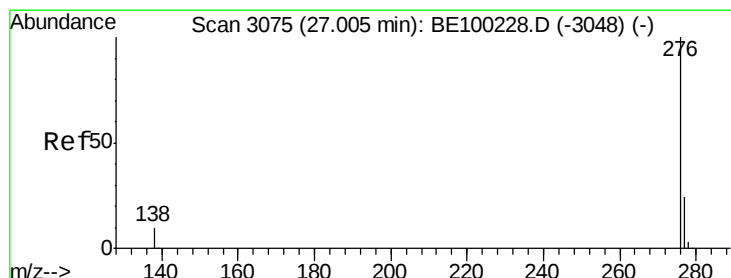
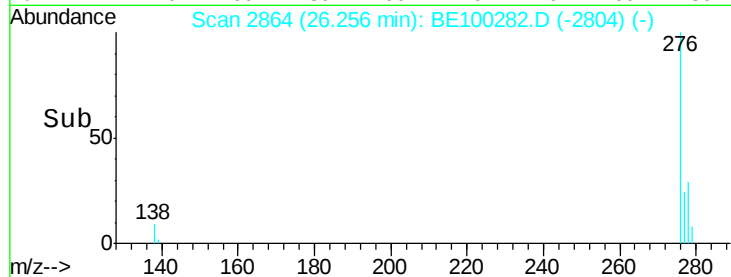
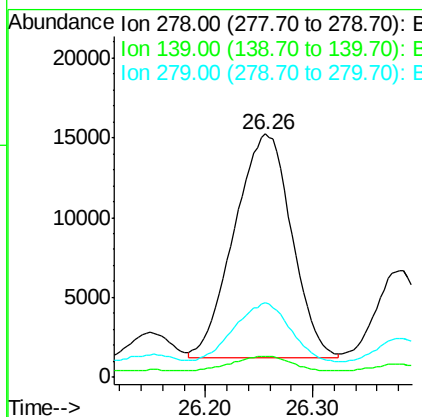
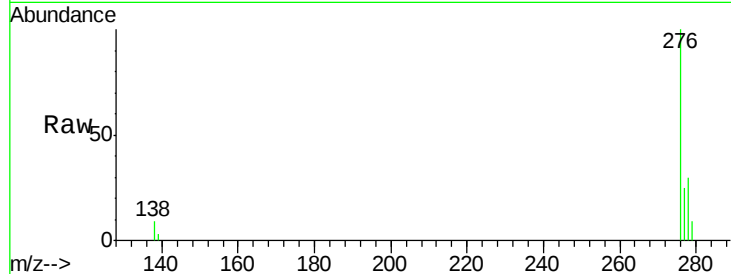
#38  
Dibenzo(a,h)anthracene  
Concen: 1.691 ng  
RT: 26.26 min Scan# 2864  
Delta R.T. 0.01 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-007-B255-061819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 8.6   | 8.2   | 12.2  |
| 279     | 30.5  | 20.3  | 30.5# |

Manual Integrations  
APPROVED

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#39  
Benzo(g,h,i)perylene  
Concen: 5.789 ng  
RT: 27.04 min Scan# 3083  
Delta R.T. 0.03 min  
Lab File: BE100282.D  
Acq: 2 Jul 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 20.2  | 30.2  |
| 138     | 9.4   | 9.0   | 13.6  |

