

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\  
 Data File : BE100300.D  
 Acq On : 2 Jul 2019 13:50  
 Operator : JU/SJ  
 Sample : K3504-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-013-SW102-062019

Manual Integrations  
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 7/3/2019 10:48:23 PM

Quant Time: Jul 03 03:16:43 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  | 749      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.45 | 136  | 2535     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2019     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 6505     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.24 | 240  | 8986     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 11203    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 576   | 0.30 | ng | 0.00  |
| 5) Phenol-d6                | 6.83  | 99  | 698   | 0.28 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 594   | 0.24 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 1293  | 0.27 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330 | 381   | 0.27 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 1931  | 0.25 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 22352 | 0.24 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 4854  | 0.26 | ng | 0.00  |

|                                |       |     |       |       |    |        |
|--------------------------------|-------|-----|-------|-------|----|--------|
| Target Compounds               |       |     |       |       |    | Qvalue |
| 9) Naphthalene                 | 10.48 | 128 | 1074  | 0.038 | ng | # 83   |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 150   | 0.031 | ng | # 84   |
| 16) Acenaphthylene             | 14.04 | 152 | 527   | 0.054 | ng | # 93   |
| 18) Fluorene                   | 15.37 | 166 | 243   | 0.030 | ng | # 85   |
| 23) Phenanthrene               | 17.11 | 178 | 10560 | 0.670 | ng | 99     |
| 24) Anthracene                 | 17.20 | 178 | 580   | 0.041 | ng | # 85   |
| 26) Fluoranthene               | 19.13 | 202 | 23879 | 0.951 | ng | 100    |
| 28) Pyrene                     | 19.49 | 202 | 20348 | 0.855 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 9251  | 0.313 | ng | 97     |
| 31) Chrysene                   | 21.28 | 228 | 14179 | 0.478 | ng | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 7115  | 0.113 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.23 | 276 | 7564  | 0.193 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 16042 | 0.528 | ng | # 95   |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 6450m | 0.190 | ng |        |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 9579m | 0.315 | ng |        |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278 | 1777  | 0.056 | ng | # 55   |
| 39) Benzo(a,h,i)perylene       | 27.02 | 276 | 6901  | 0.211 | ng | # 94   |

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

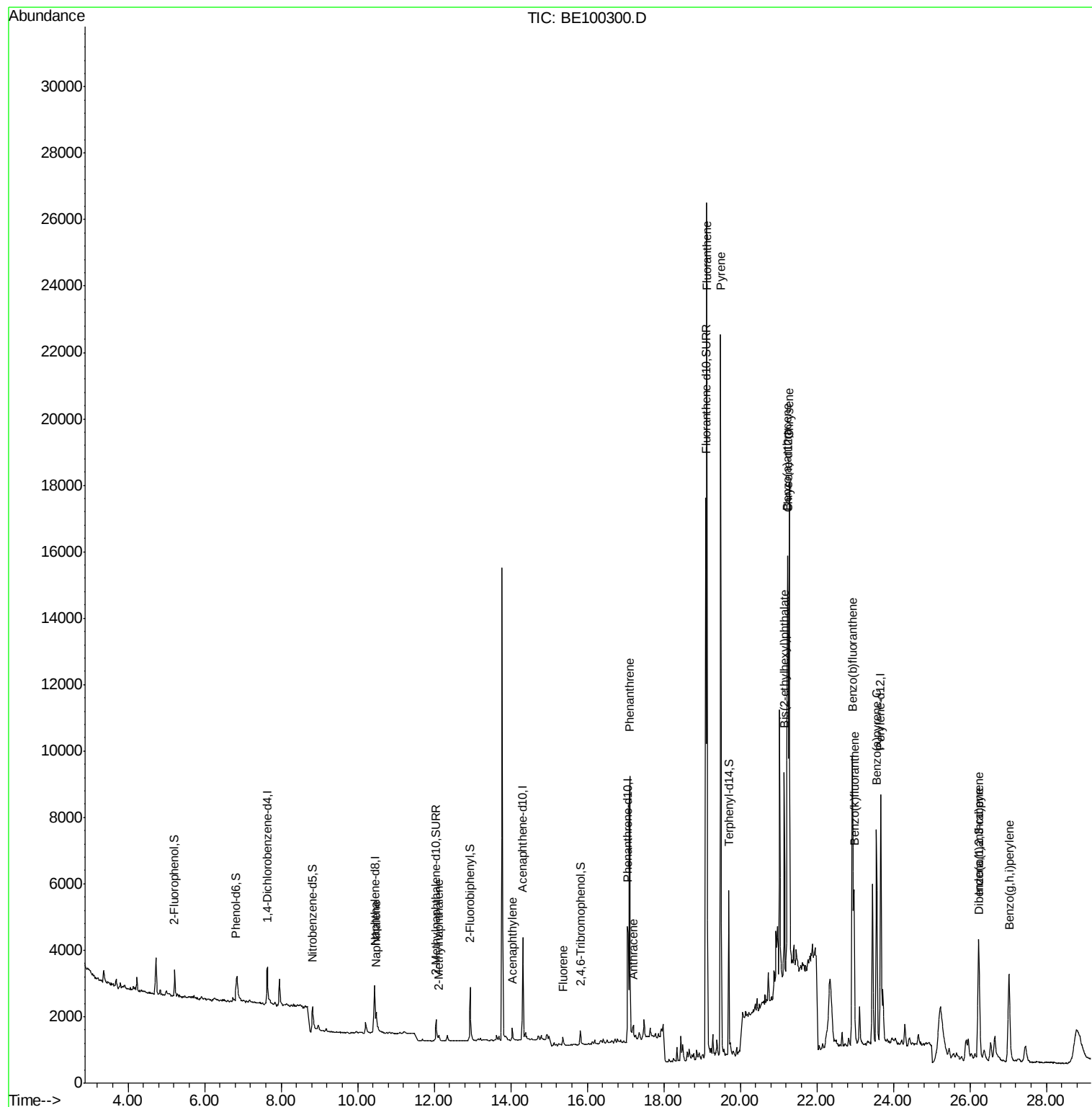
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\  
Data File : BE100300.D  
Acq On : 2 Jul 2019 13:50  
Operator : JU/SJ  
Sample : K3504-13  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

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Quant Time: Jul 03 03:16:43 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

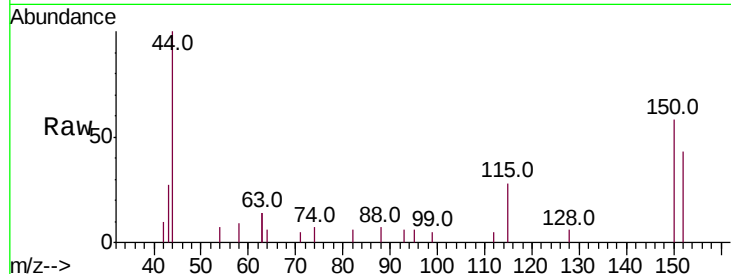
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.64 min Scan# 415  
Delta R.T. 0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

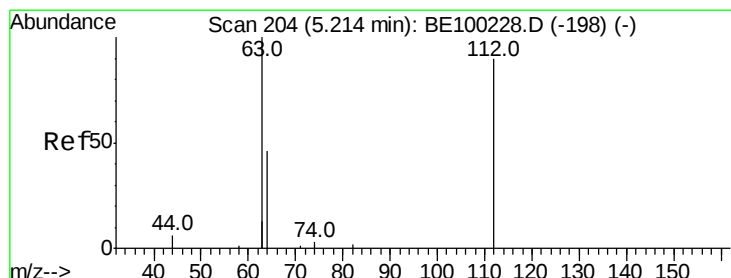
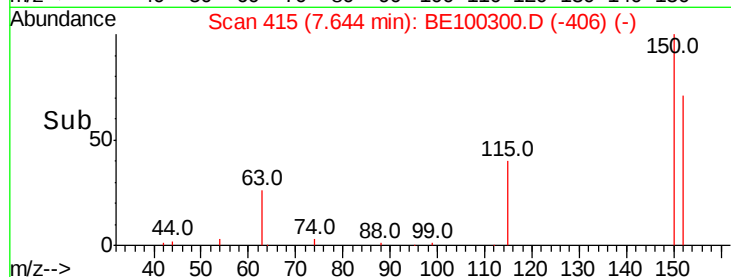
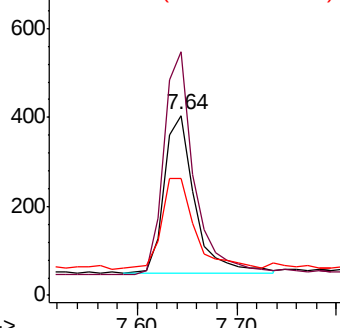
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 135.1 | 114.5 | 171.7 |
| 115     | 64.9  | 57.1  | 85.7  |

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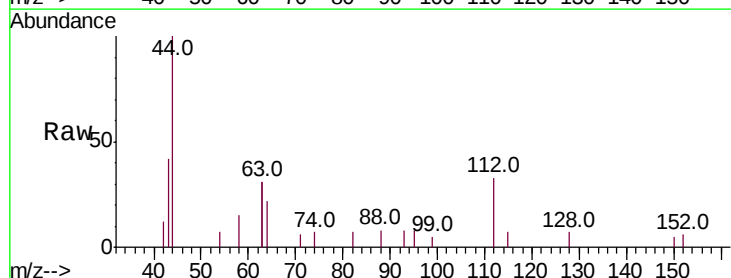
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



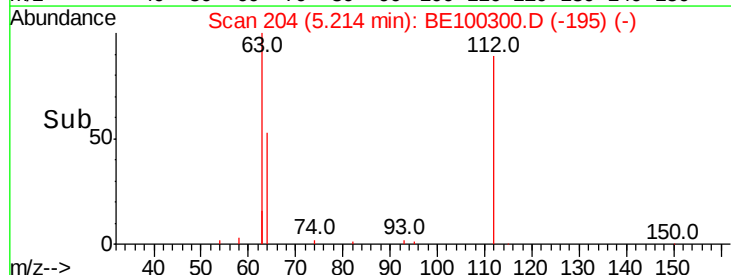
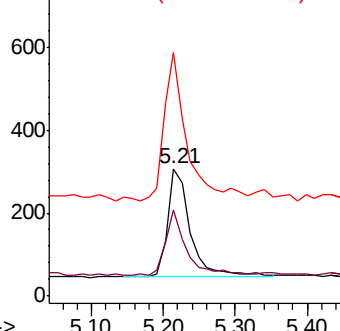
#4

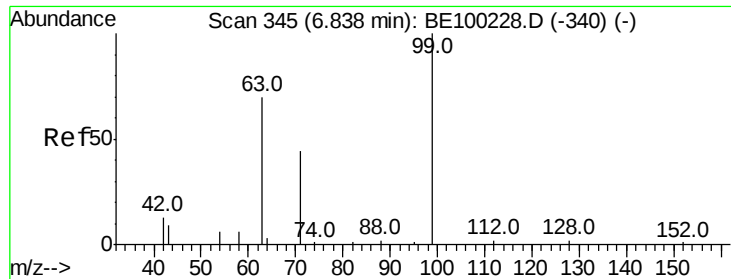
2-Fluorophenol  
Concen: 0.302 ng  
RT: 5.21 min Scan# 204  
Delta R.T. 0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.8  | 39.4  | 59.0  |
| 63      | 136.5 | 104.5 | 156.7 |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.278 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

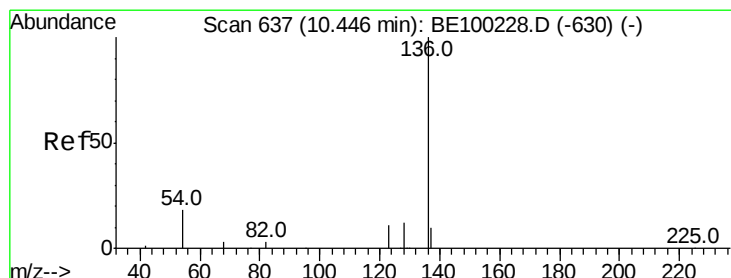
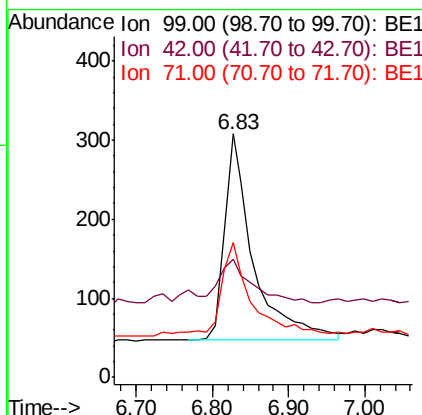
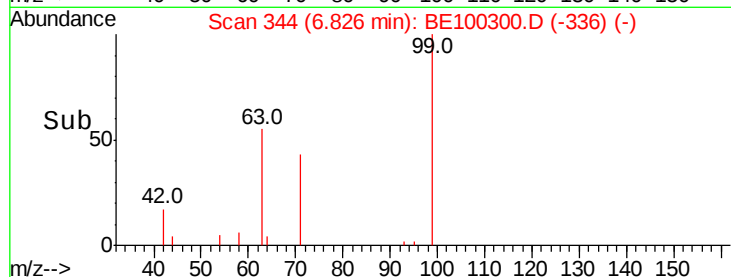
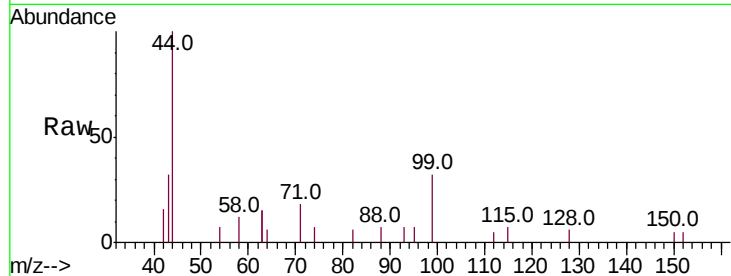
ClientSampleId :

PST-013-SW102-062019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 698   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 22.6  | 11.2  | 16.8# |
| 71       | 42.1  | 37.2  | 55.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

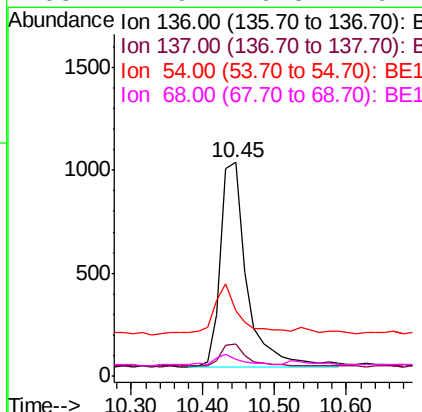
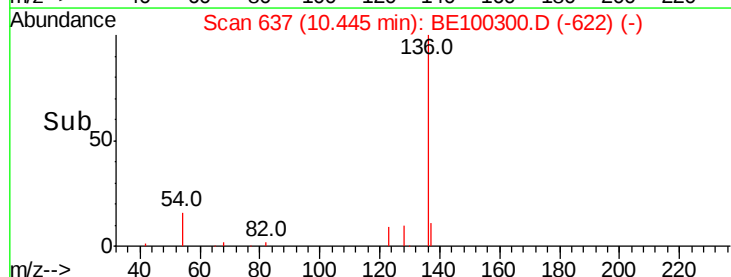
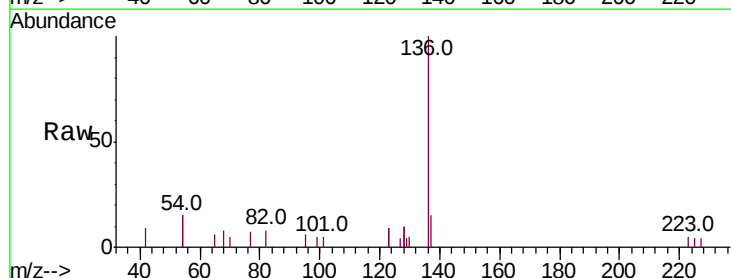
RT: 10.45 min Scan# 637

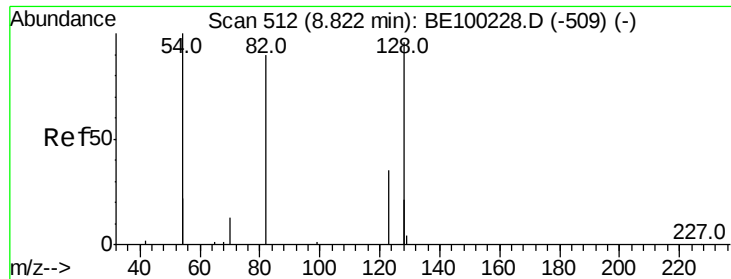
Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2535  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 14.7  | 11.8  | 17.8  |
| 54       | 30.8  | 27.7  | 41.5  |
| 68       | 7.9   | 6.8   | 10.2  |





#8

Nitrobenzene-d5

Concen: 0.236 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

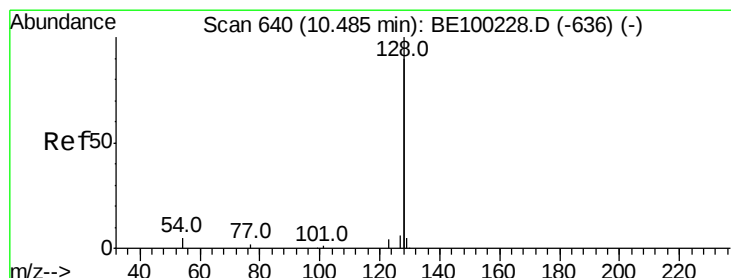
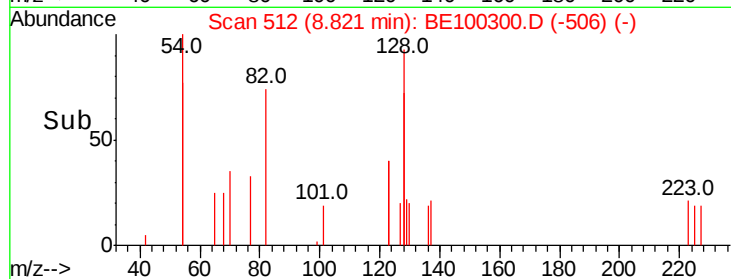
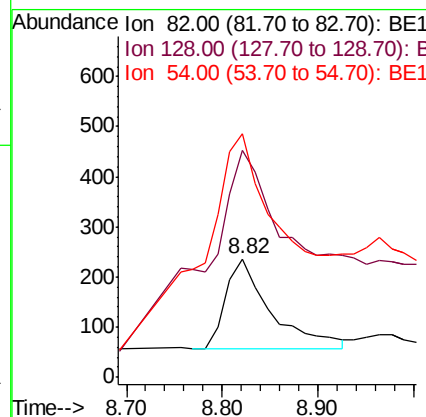
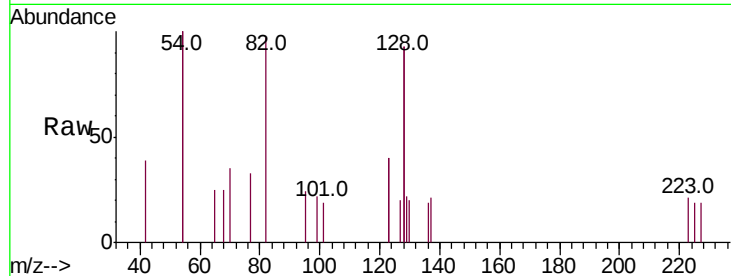
ClientSampleId :

PST-013-SW102-062019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 594   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 191.5 | 140.9 | 211.3 |
| 54       | 205.9 | 146.2 | 219.2 |

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#9

Naphthalene

Concen: 0.038 ng

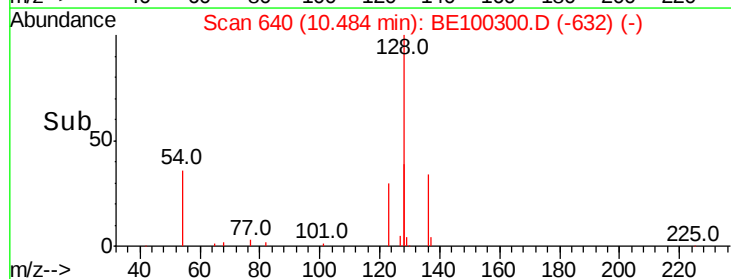
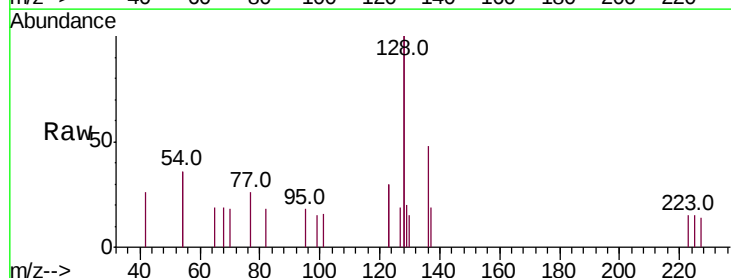
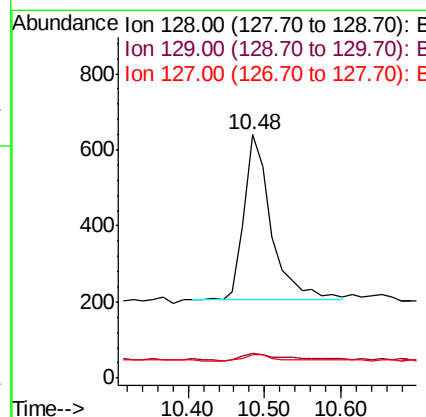
RT: 10.48 min Scan# 640

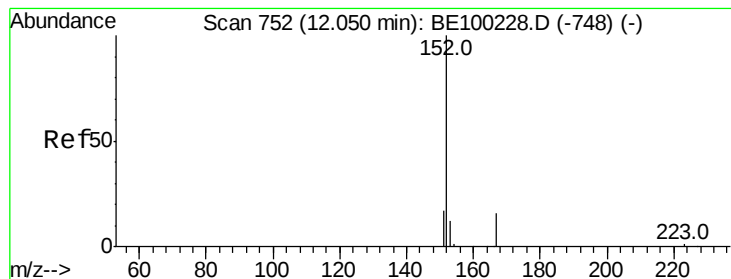
Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1074  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.0  | 3.0   | 4.6#  |
| 127      | 9.7   | 3.5   | 5.3#  |





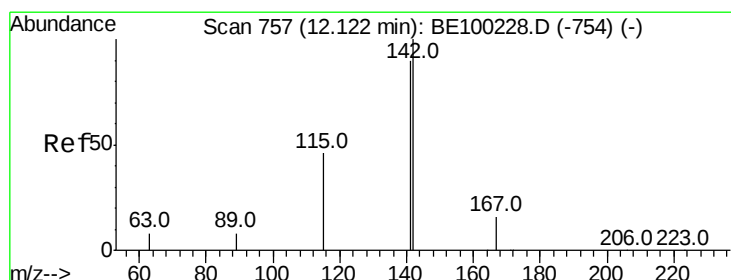
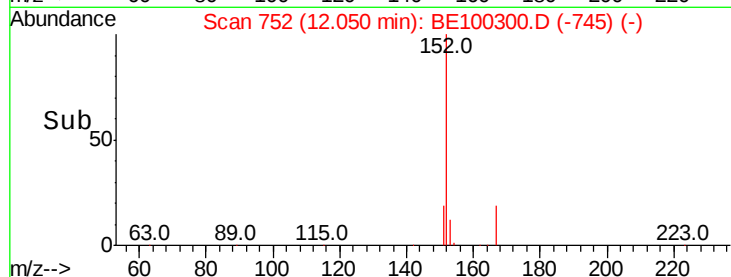
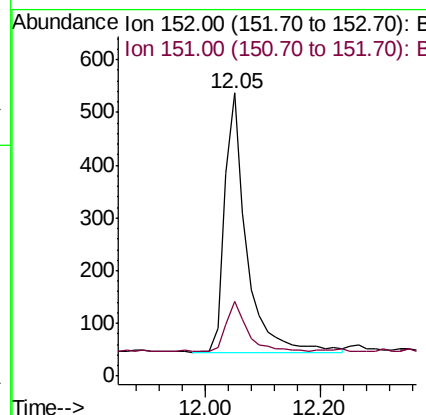
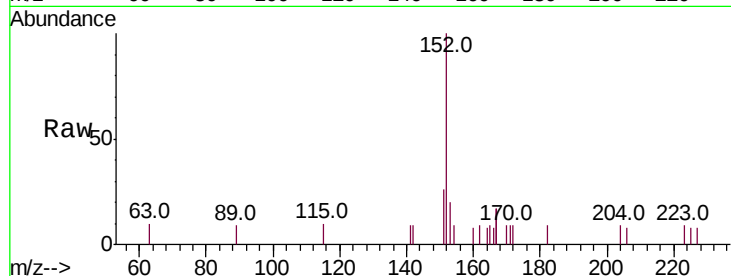
#11  
2-Methylnaphthalene-d10  
Concen: 0.271 ng  
RT: 12.05 min Scan# 752  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 15.1  | 22.7  |

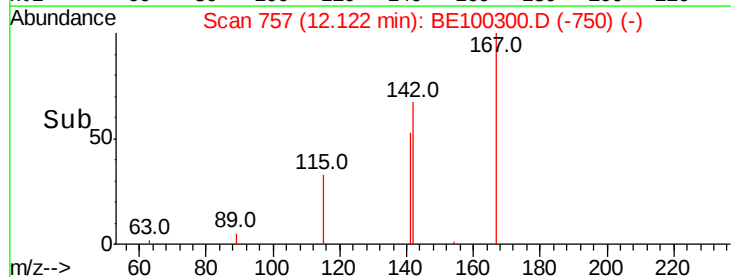
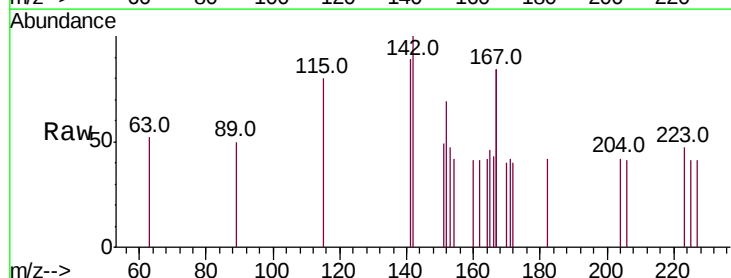
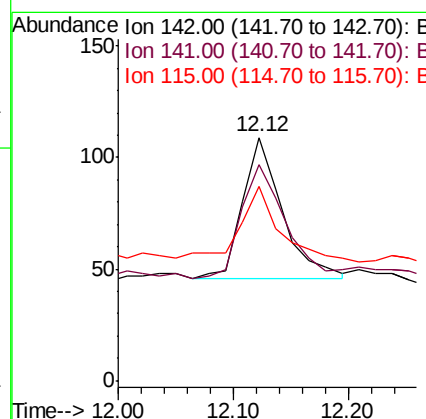
Manual Integrations  
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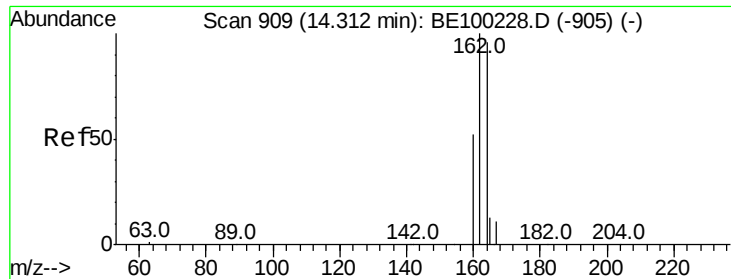
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#12  
2-Methylnaphthalene  
Concen: 0.031 ng  
RT: 12.12 min Scan# 757  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 72.4  | 108.6 |
| 115     | 79.8  | 40.4  | 60.6  |





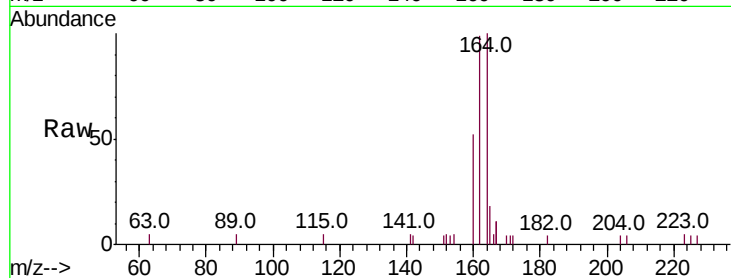
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.31 min Scan# 909  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.3  | 83.4  | 125.0 |
| 160     | 51.9  | 45.0  | 67.6  |

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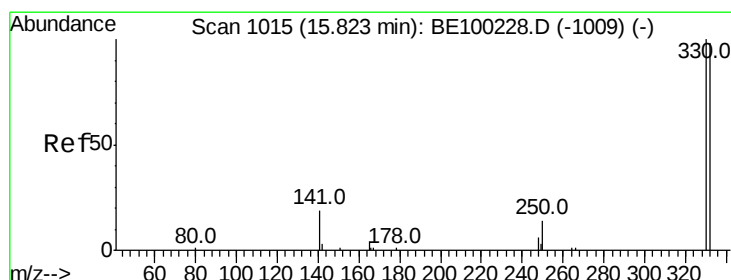
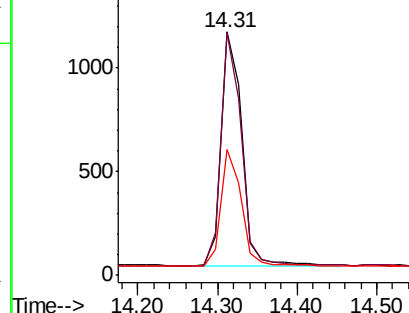
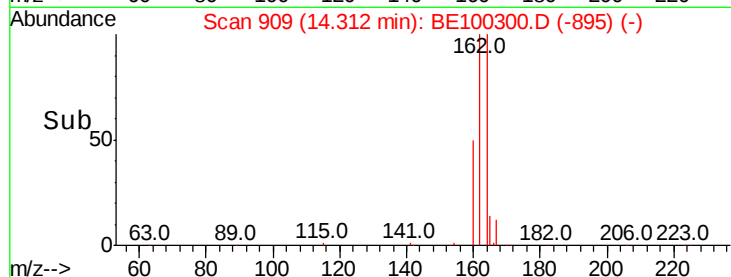


Abundance

Ion 164.00 (163.70 to 164.70): E

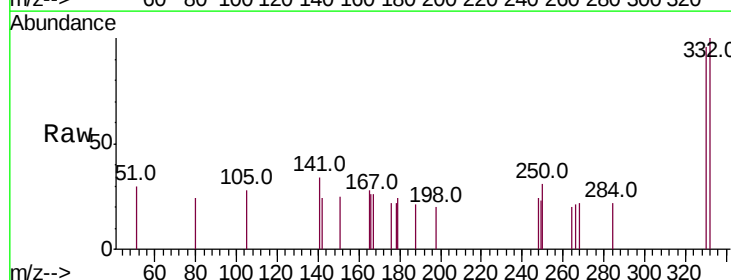
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14  
2,4,6-Tribromophenol  
Concen: 0.270 ng  
RT: 15.82 min Scan# 1015  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.7  | 77.0  | 115.4 |
| 141     | 29.7  | 22.0  | 33.0  |

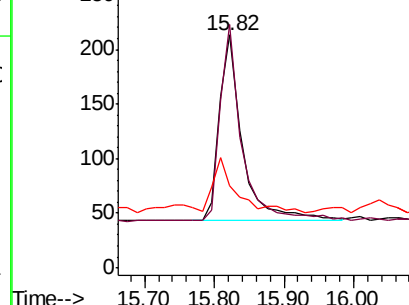
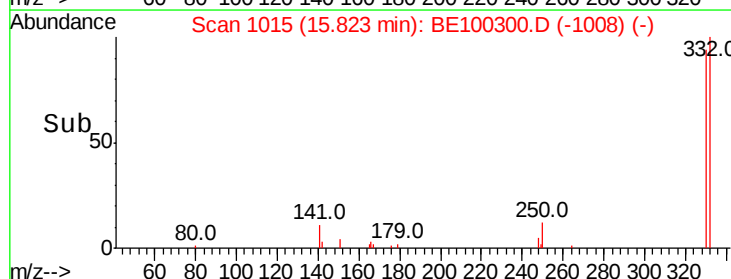


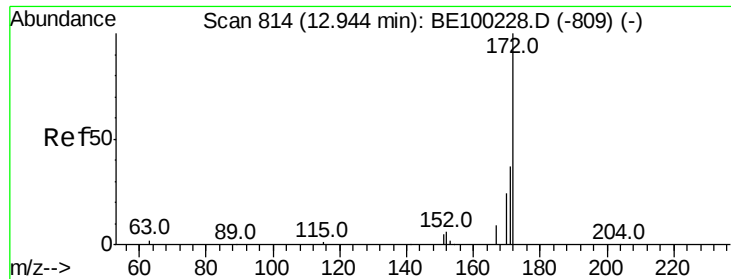
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





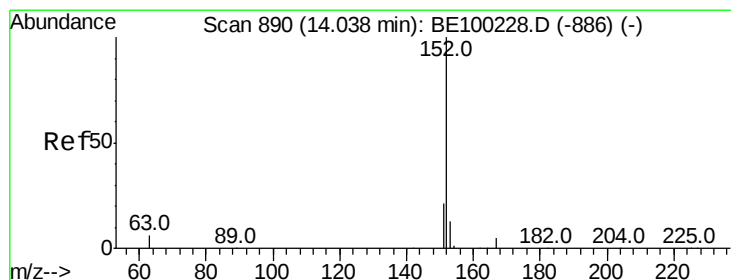
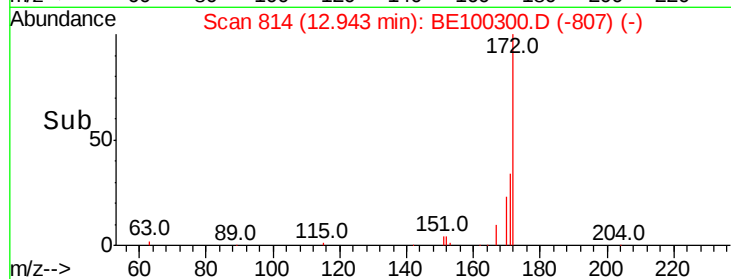
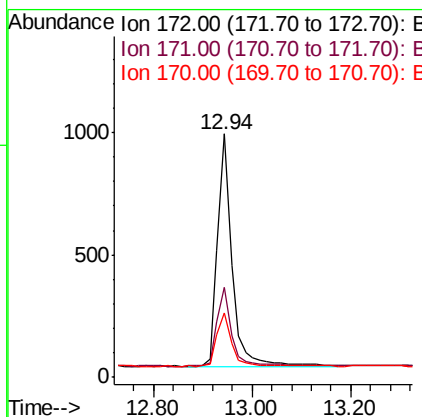
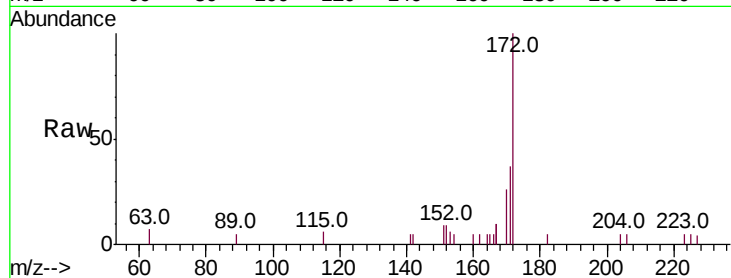
#15  
2-Fluorobiphenyl  
Concen: 0.245 ng  
RT: 12.94 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 31.9  | 47.9  |
| 170     | 26.3  | 22.2  | 33.2  |

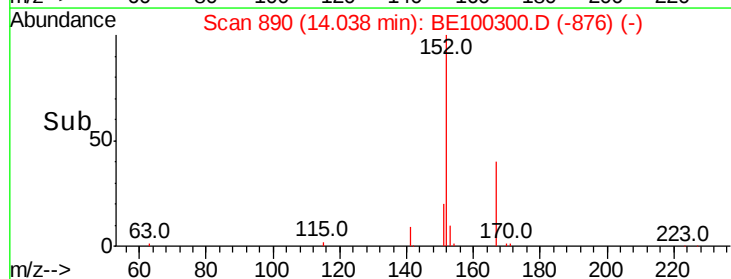
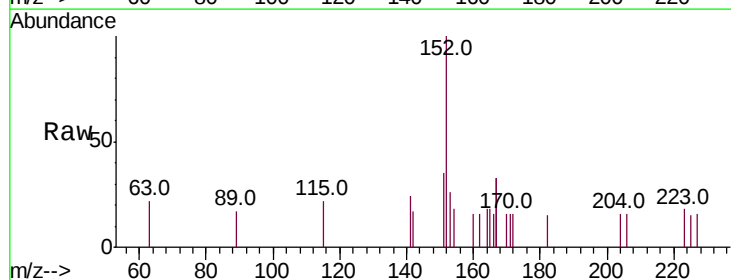
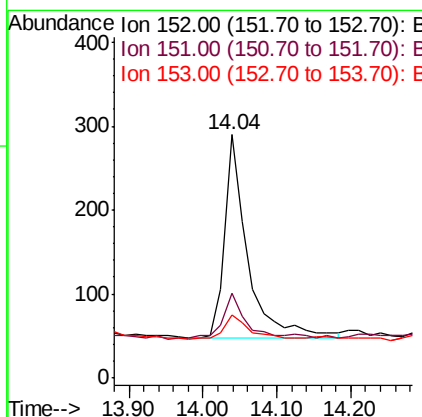
Manual Integrations  
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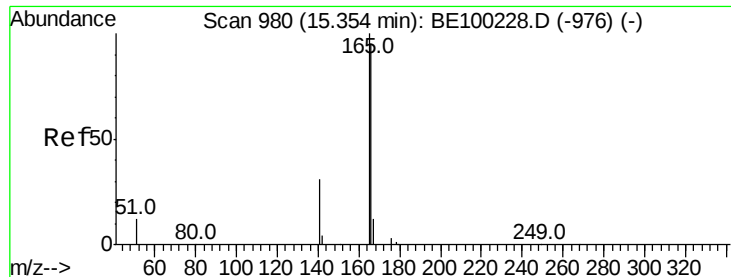
mohammad  
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#16  
Acenaphthylene  
Concen: 0.054 ng  
RT: 14.04 min Scan# 890  
Delta R.T. -0.00 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 26.0  | 16.6  | 25.0# |
| 153     | 13.7  | 10.5  | 15.7  |





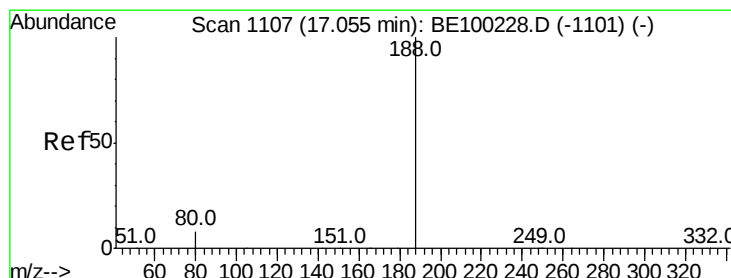
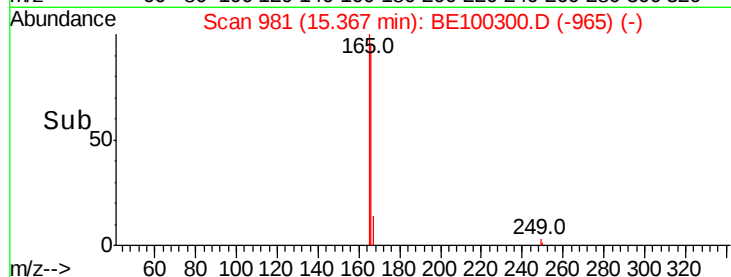
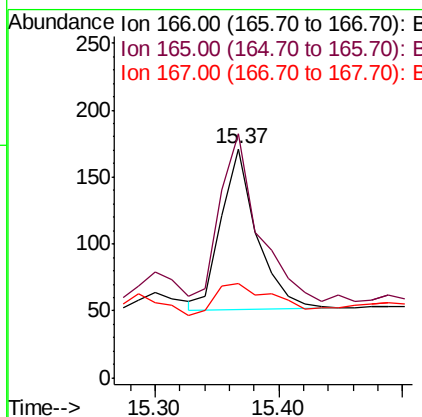
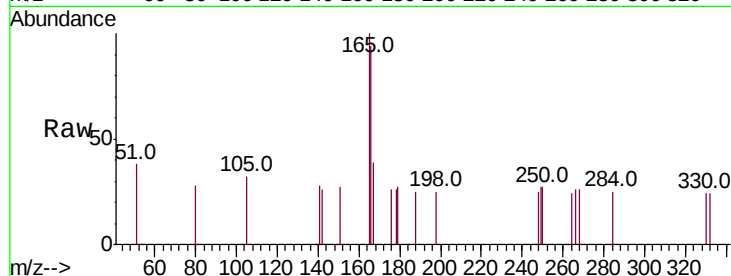
#18  
**Fluorene**  
 Concen: 0.030 ng  
 RT: 15.37 min Scan# 981  
 Delta R.T. 0.01 min  
 Lab File: BE100300.D  
 Acq: 2 Jul 2019 13:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-013-SW102-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 111.5 | 81.1  | 121.7 |
| 167     | 32.9  | 10.7  | 16.1# |

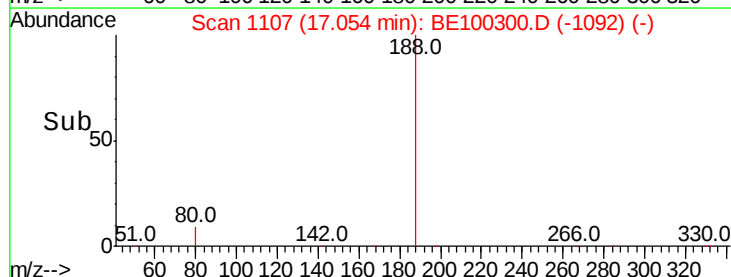
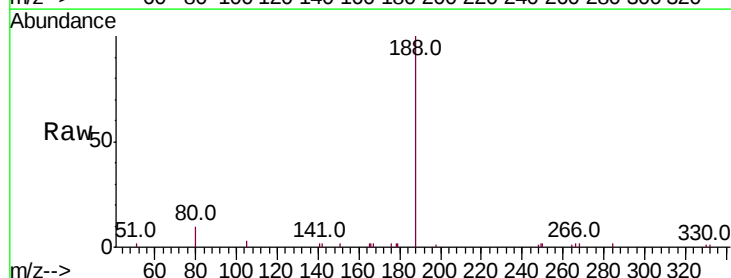
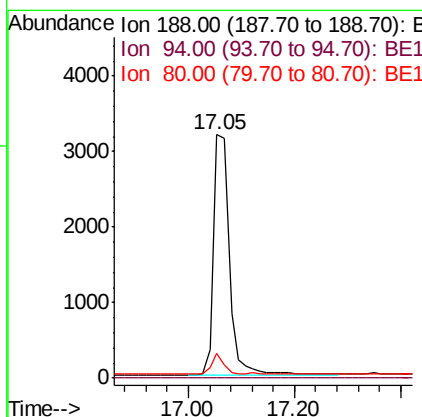
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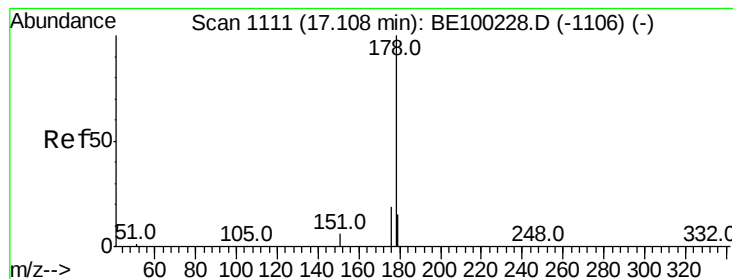
mohammad  
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#19  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 17.05 min Scan# 1107  
 Delta R.T. -0.00 min  
 Lab File: BE100300.D  
 Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 10.1  | 7.6   | 11.4  |





#23

Phenanthrene

Concen: 0.670 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

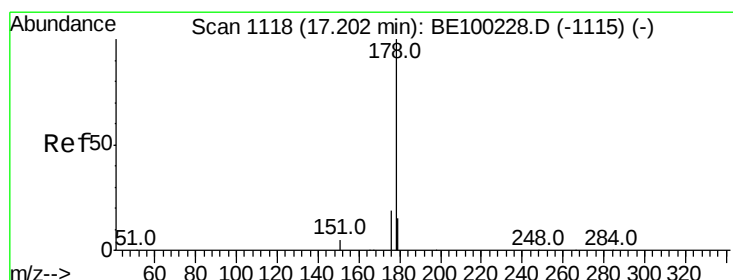
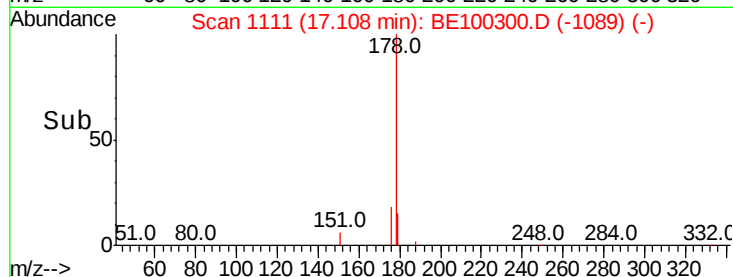
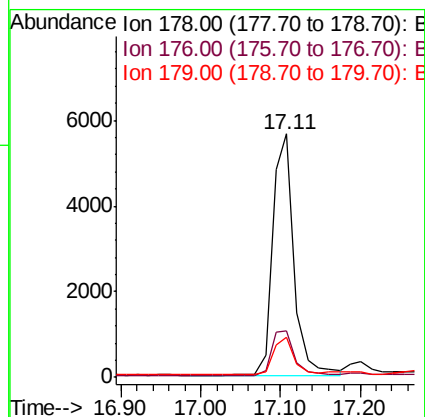
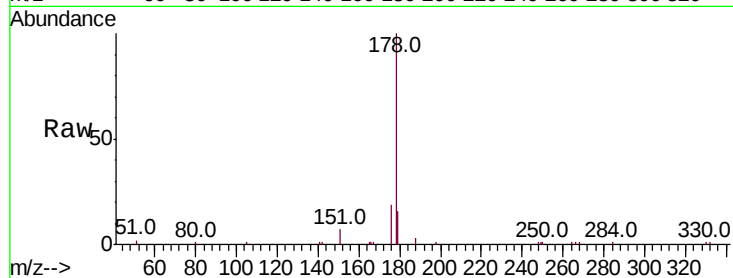
ClientSampleId :

PST-013-SW102-062019

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 10560     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.5  | 15.9 23.9 |
| 179         | 15.1  | 12.2 18.2 |

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#24

Anthracene

Concen: 0.041 ng

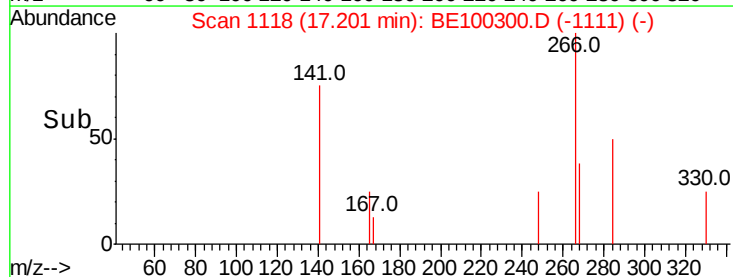
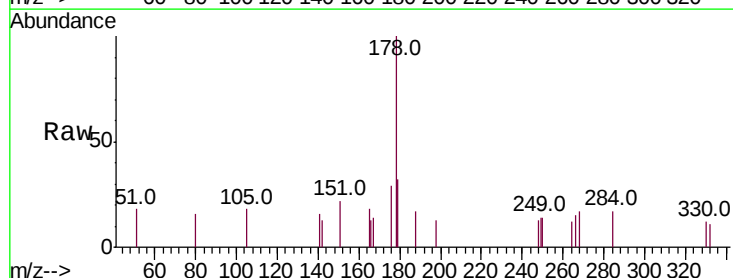
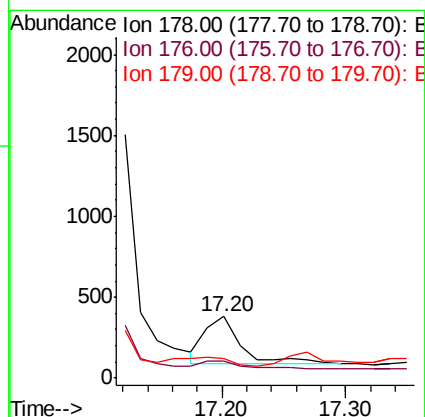
RT: 17.20 min Scan# 1118

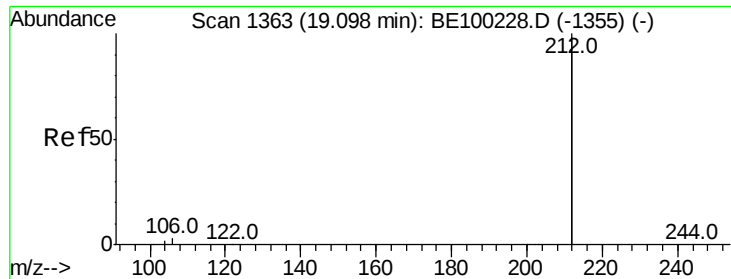
Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 580        |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 18.4  | 15.3 22.9  |
| 179         | 28.6  | 12.2 18.2# |





#25

Fluoranthene-d10

Concen: 0.237 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

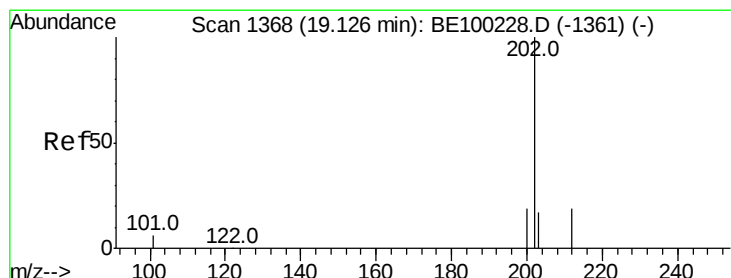
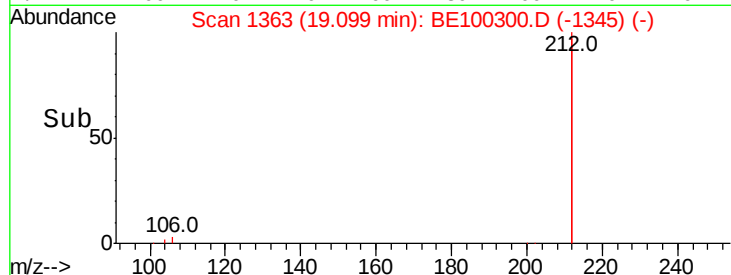
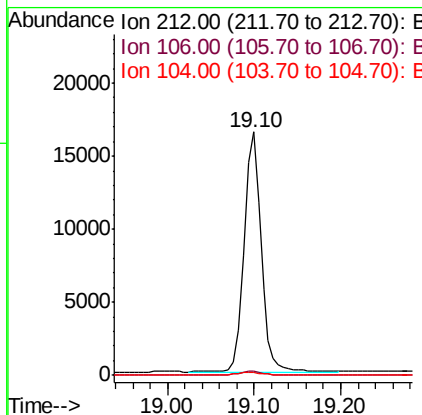
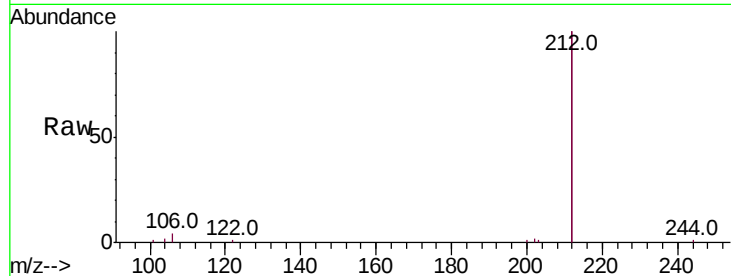
ClientSampleId :

PST-013-SW102-062019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 22352 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 1.6   | 1.3   | 1.9   |
| 104       | 1.0   | 0.8   | 1.2   |

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#26

Fluoranthene

Concen: 0.951 ng

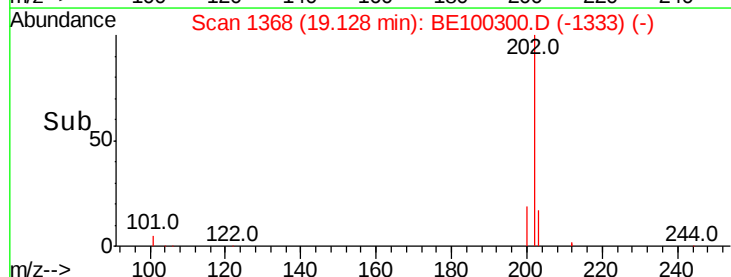
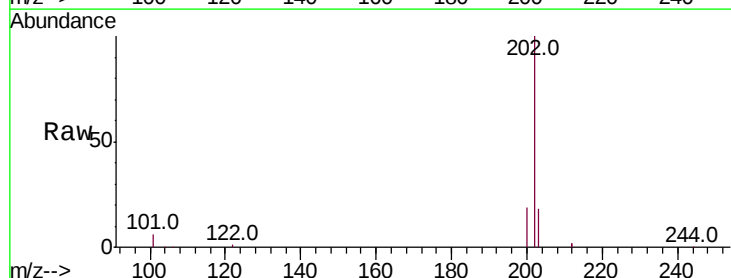
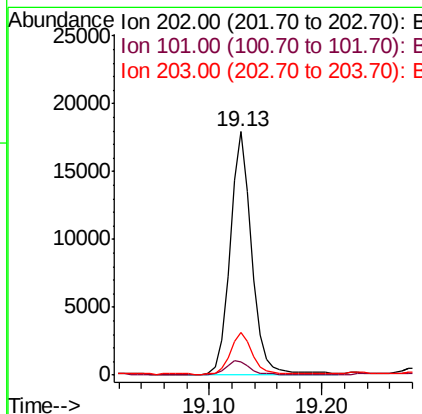
RT: 19.13 min Scan# 1368

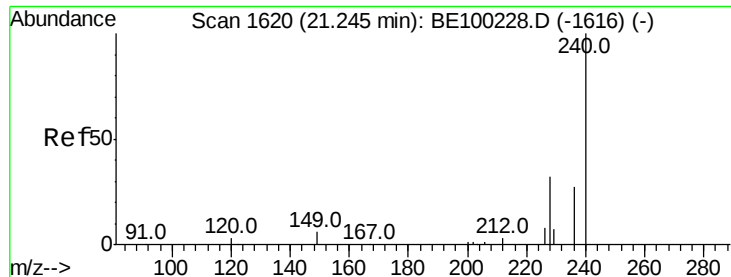
Delta R.T. 0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 23879 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 5.7   | 4.6   | 7.0   |
| 203       | 17.1  | 13.7  | 20.5  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

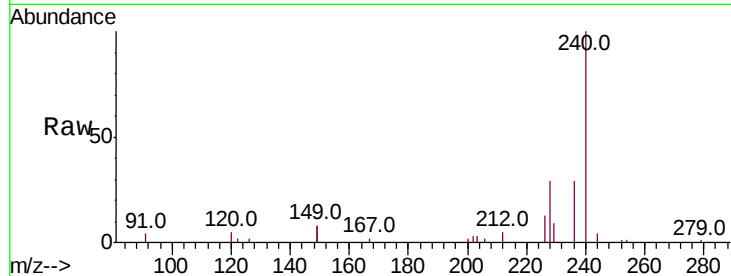
ClientSampleId :

PST-013-SW102-062019

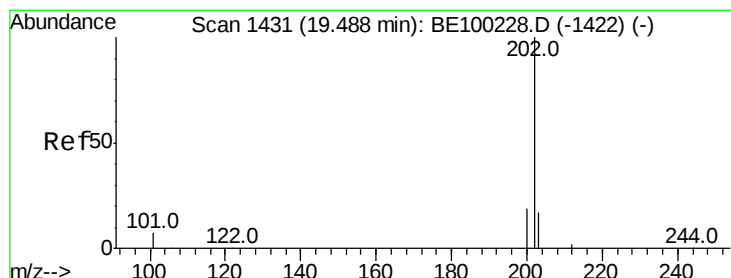
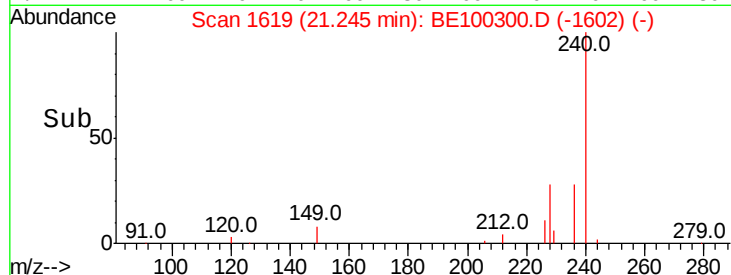
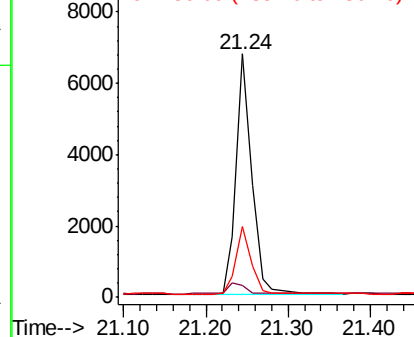
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 240   | Resp: | 8986 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 4.8   | 3.3   | 4.9  |
| 236       | 28.9  | 22.6  | 34.0 |

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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



#28

Pyrene

Concen: 0.855 ng

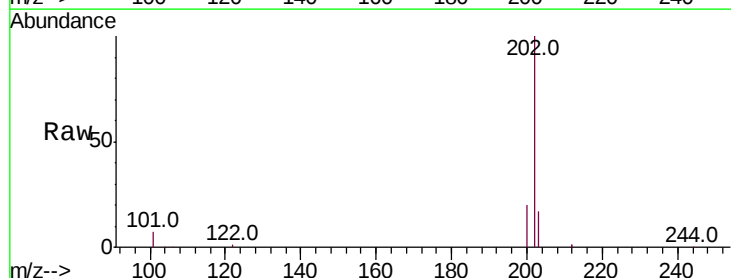
RT: 19.49 min Scan# 1431

Delta R.T. 0.00 min

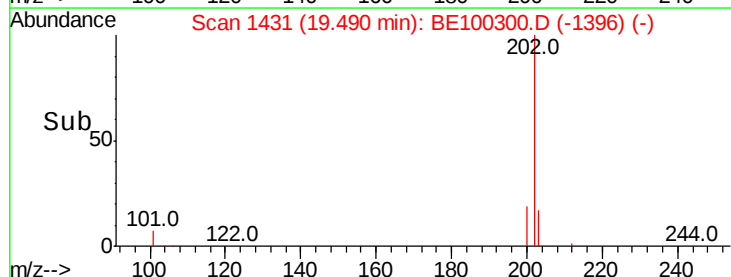
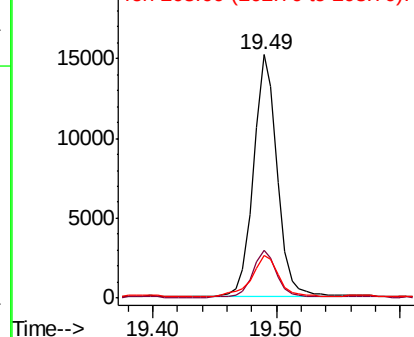
Lab File: BE100300.D

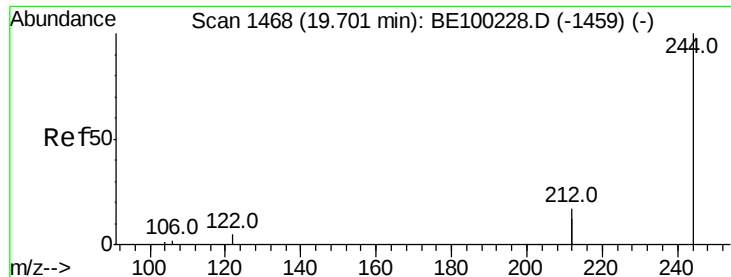
Acq: 2 Jul 2019 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20348 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 19.6  | 15.6  | 23.4  |
| 203       | 19.1  | 14.0  | 21.0  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.261 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

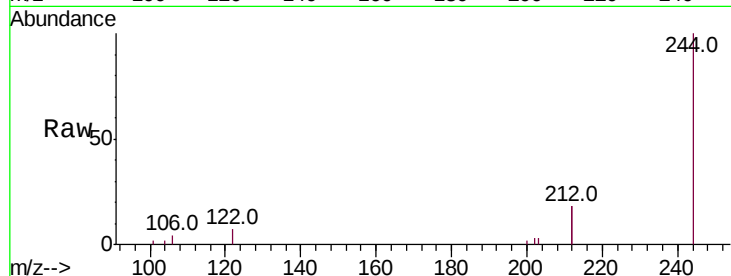
ClientSampleId :

PST-013-SW102-062019

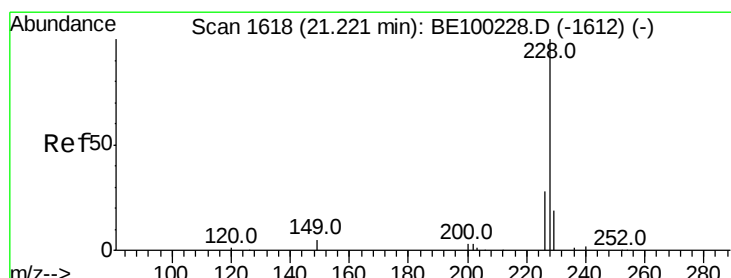
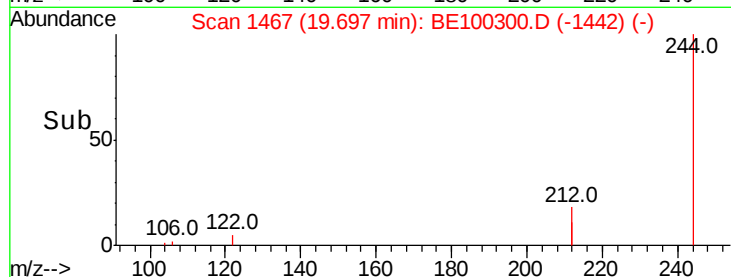
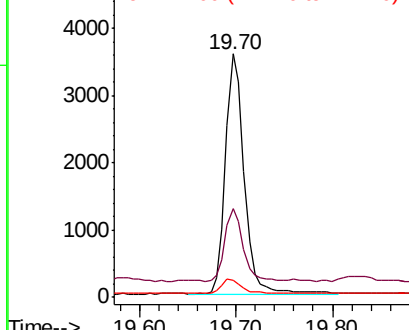
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 244   | Resp: | 4854 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 36.2  | 27.3  | 40.9 |
| 122       | 7.0   | 4.7   | 7.1  |

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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.313 ng

RT: 21.23 min Scan# 1618

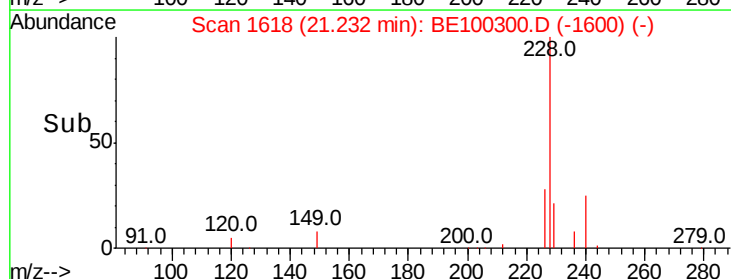
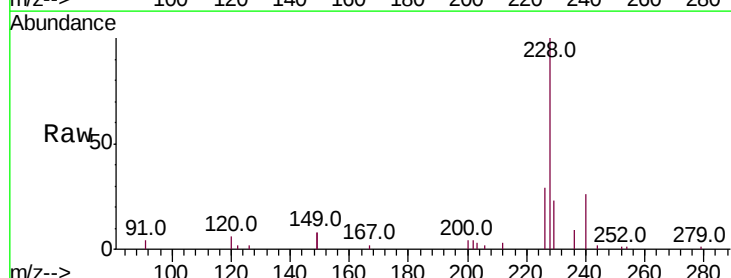
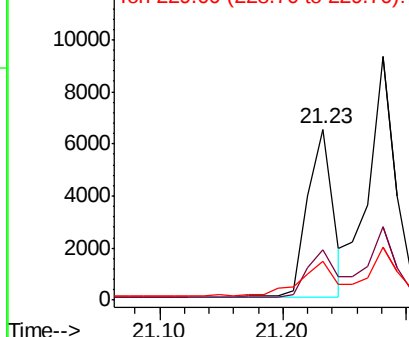
Delta R.T. 0.01 min

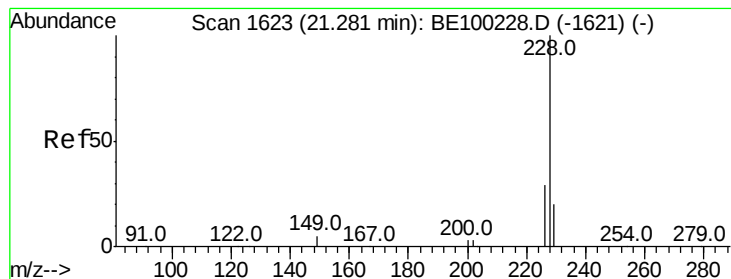
Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 9251 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 29.4  | 23.2  | 34.8 |
| 229       | 23.0  | 15.7  | 23.5 |

Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.478 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

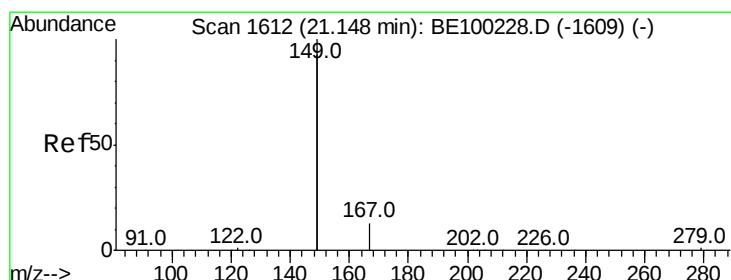
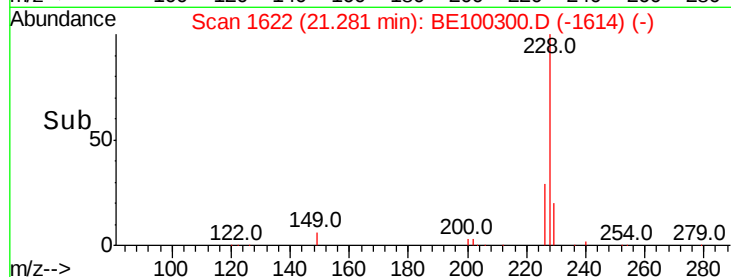
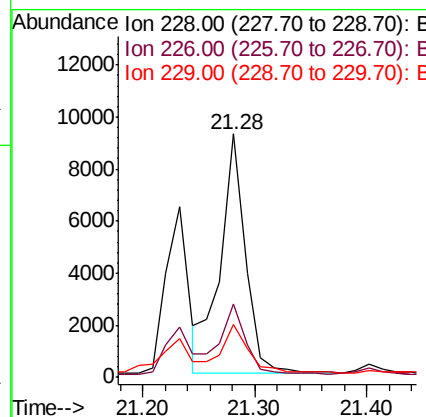
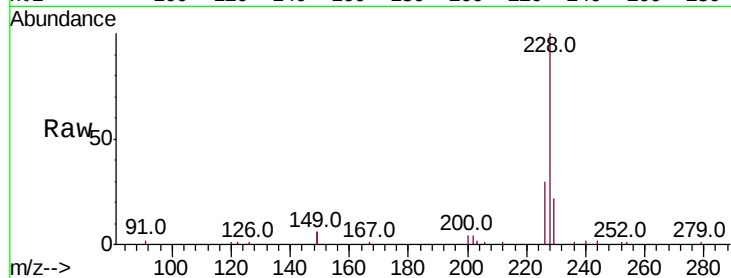
ClientSampleId :

PST-013-SW102-062019

|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 14179 |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 30.3    | 23.9  | 35.9  |
| 229 21.8    | 16.5  | 24.7  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.113 ng

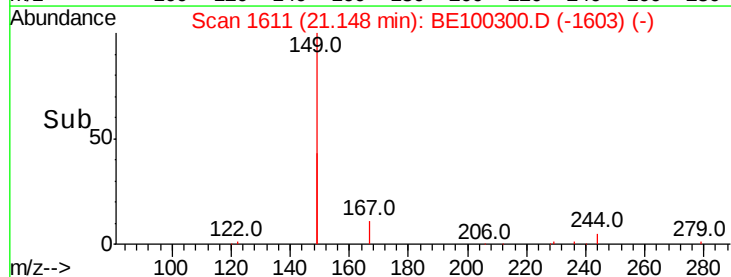
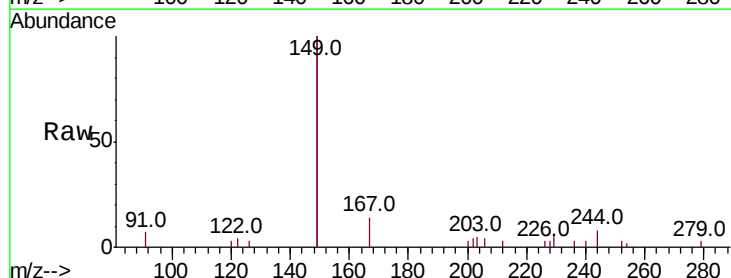
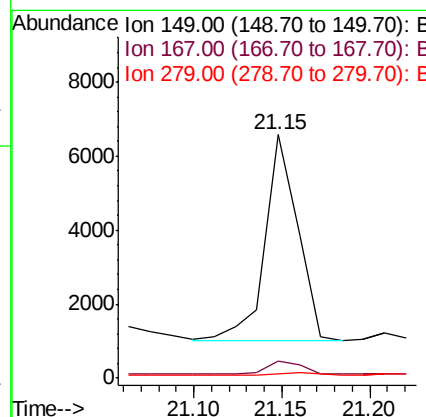
RT: 21.15 min Scan# 1611

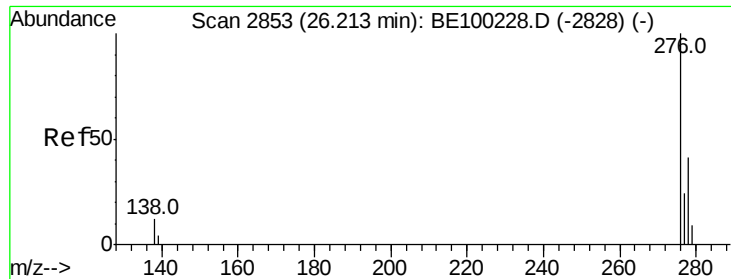
Delta R.T. 0.00 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:149 | Resp: | 7115  |
| Ion Ratio   | Lower | Upper |
| 149 100     |       |       |
| 167 7.5     | 5.8   | 8.8   |
| 279 1.5     | 1.1   | 1.7   |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.193 ng

RT: 26.23 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

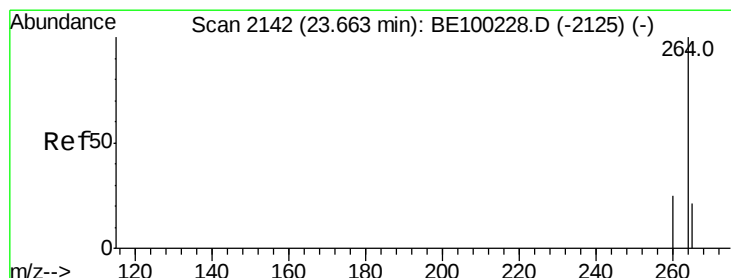
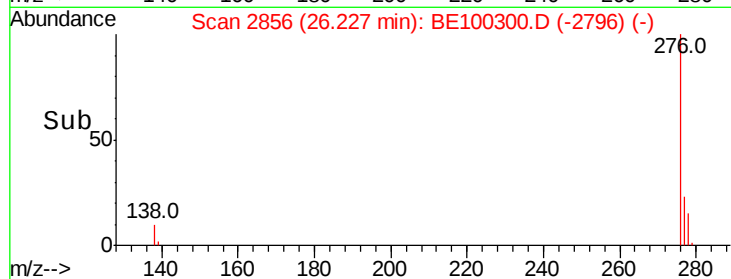
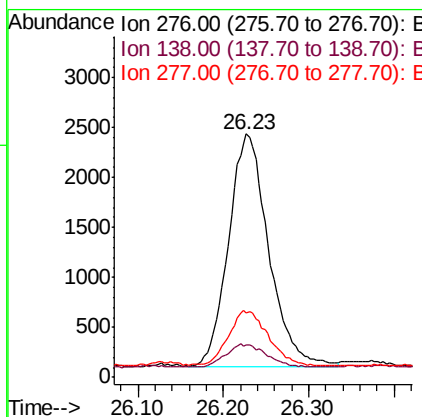
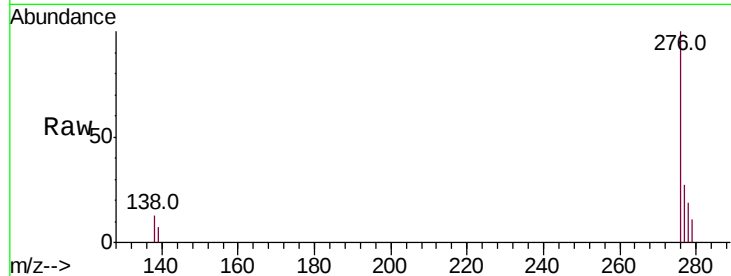
ClientSampleId :

PST-013-SW102-062019

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 7564 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 10.1  | 9.4   | 14.0 |
| 277       | 23.9  | 19.2  | 28.8 |

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#34

Perylene-d12

Concen: 0.400 ng

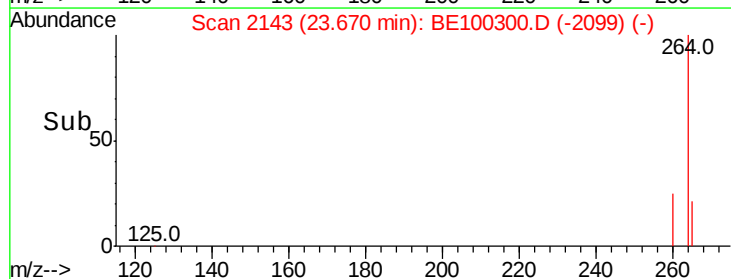
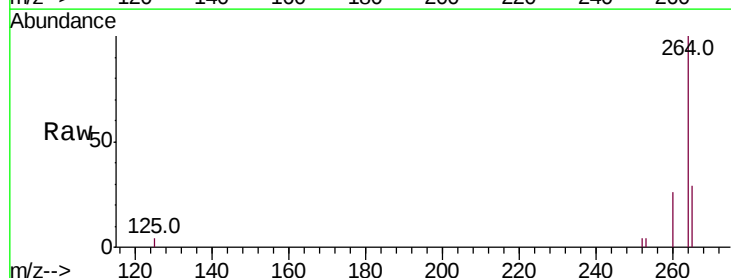
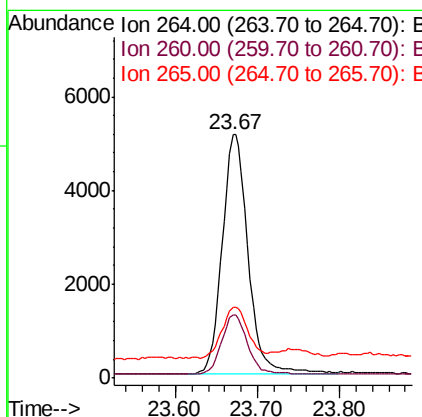
RT: 23.67 min Scan# 2143

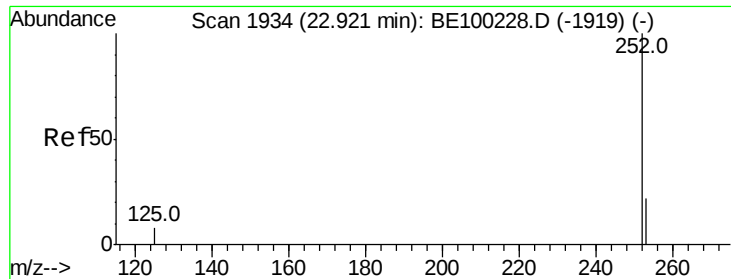
Delta R.T. 0.01 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 11203 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 25.8  | 20.8  | 31.2  |
| 265       | 29.3  | 21.8  | 32.6  |





#35

Benzo(b)fluoranthene

Concen: 0.528 ng

RT: 22.93 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BE100300.D

Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

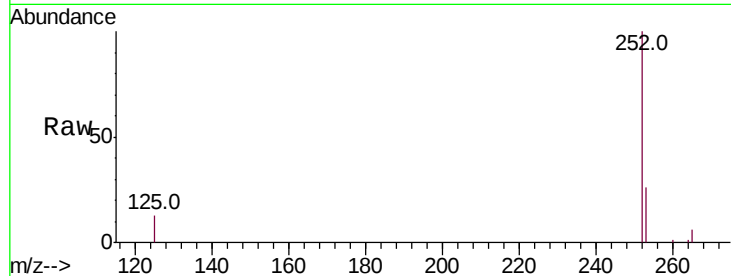
ClientSampleId :

PST-013-SW102-062019

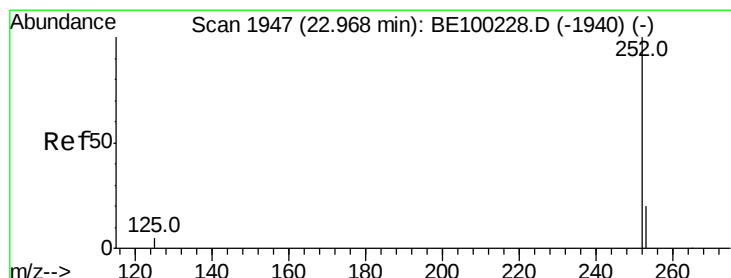
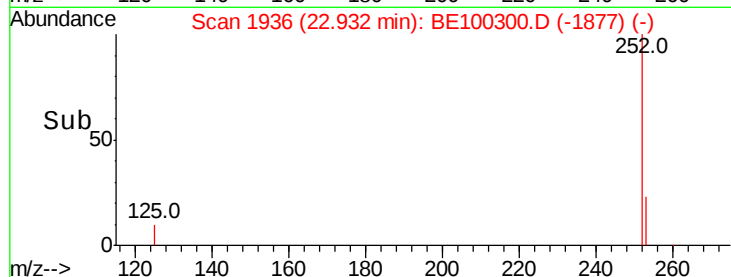
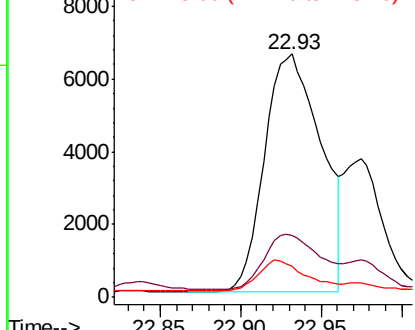
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.5  | 19.2  | 28.8  |
| 125     | 12.8  | 7.4   | 11.0  |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.190 ng m

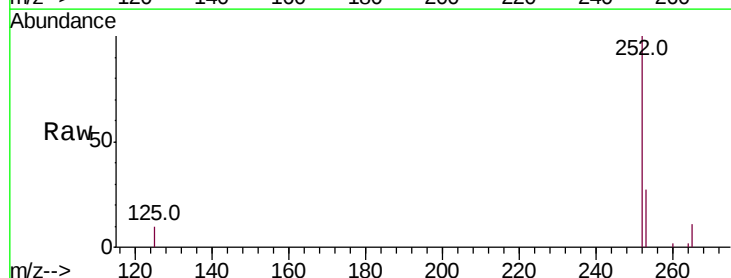
RT: 22.97 min Scan# 1948

Delta R.T. 0.01 min

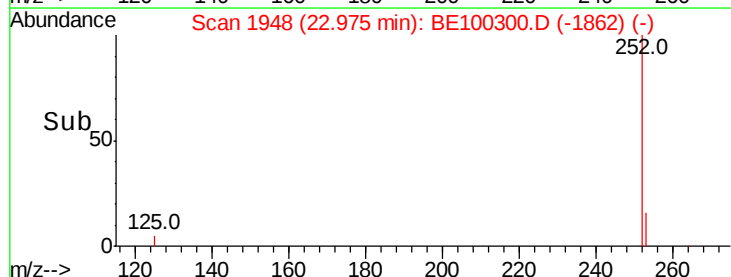
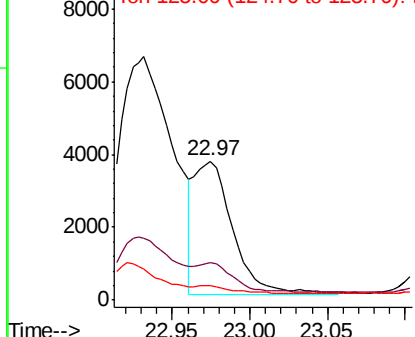
Lab File: BE100300.D

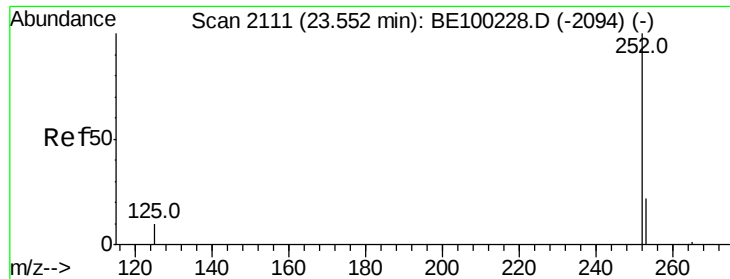
Acq: 2 Jul 2019 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.1  | 17.9  | 26.9  |
| 125     | 10.2  | 5.0   | 7.4   |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





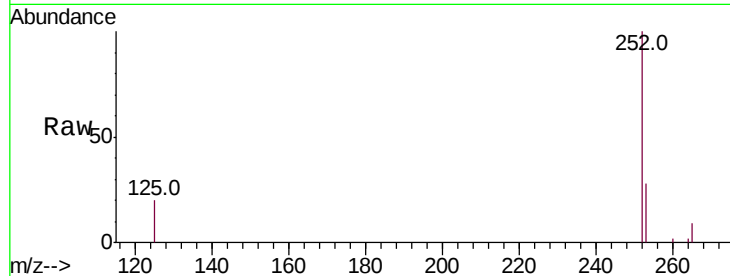
#37  
Benzo(a)pyrene  
Concen: 0.315 ng/ml  
RT: 23.56 min Scan# 2113  
Delta R.T. 0.01 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

Instrument :  
BNA\_E  
ClientSampleId :  
PST-013-SW102-062019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.2  | 19.6  | 29.4  |
| 125     | 20.4  | 9.0   | 13.6  |

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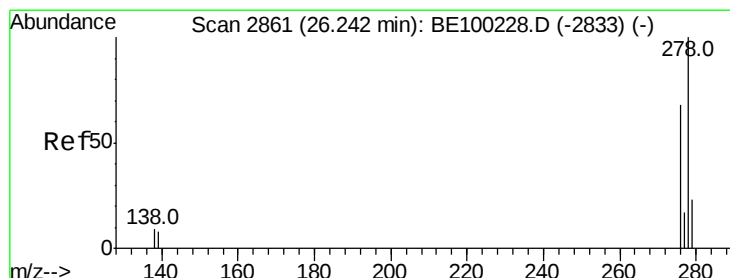
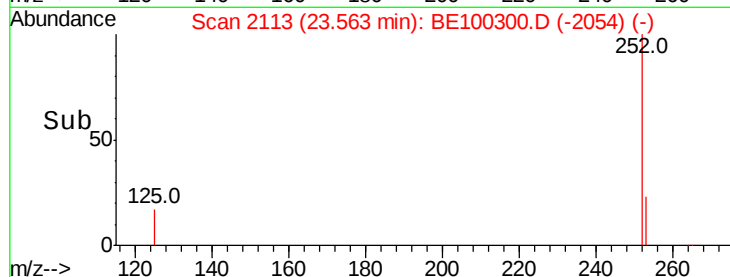
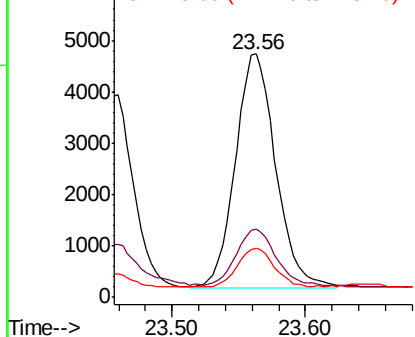


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38  
Dibenzo(a,h)anthracene  
Concen: 0.056 ng/ml  
RT: 26.25 min Scan# 2862  
Delta R.T. 0.01 min  
Lab File: BE100300.D  
Acq: 2 Jul 2019 13:50

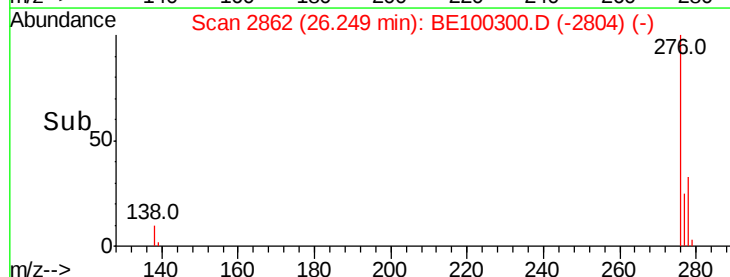
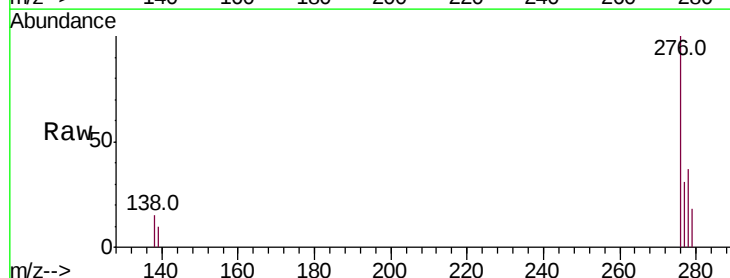
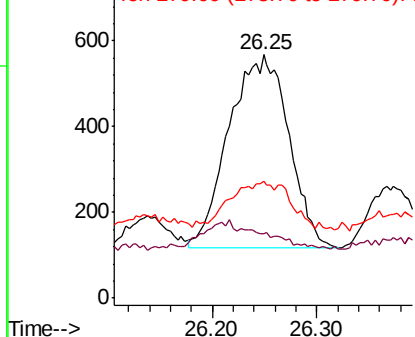
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 26.6  | 8.2   | 12.2  |
| 279     | 48.1  | 20.3  | 30.5  |

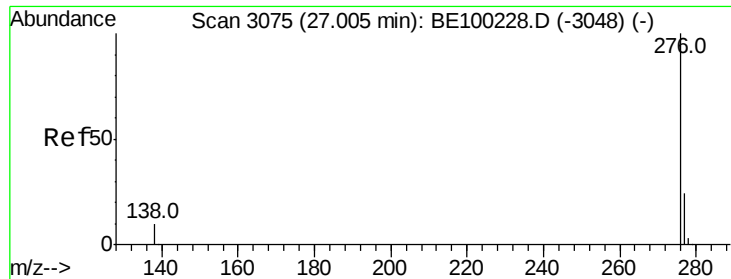
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.211 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.02 min

Lab File: BE100300.D

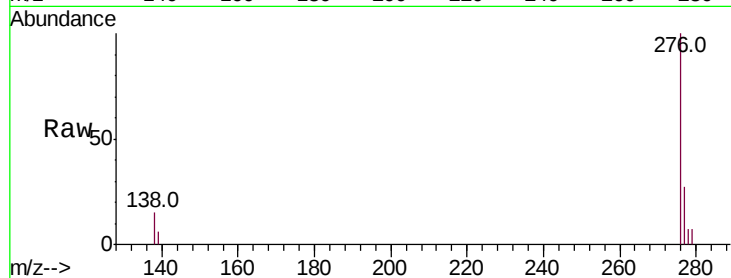
Acq: 2 Jul 2019 13:50

Instrument :

BNA\_E

ClientSampleId :

PST-013-SW102-062019



|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 6901 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 27.3  | 20.2  | 30.2 |
| 138       | 14.8  | 9.0   | 13.6 |

Manual Integrations  
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