

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE040419\  
 Data File : BE099295.D  
 Acq On : 4 Apr 2019 18:14  
 Operator : JU/SJ  
 Sample : PB118607BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118607BSD

Manual Integrations  
 APPROVED

Sohil  
 4/5/2019 12:26:41 PM

Quant Time: Apr 05 04:37:23 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE040219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Apr 02 17:16:42 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3860     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.61 | 136  | 12962    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.46 | 164  | 7507     | 0.40 | ng    | -0.03    |
| 19) Phenanthrene-d10      | 17.19 | 188  | 19142    | 0.40 | ng    | -0.03    |
| 27) Chrysene-d12          | 21.37 | 240  | 22284    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.86 | 264  | 25081    | 0.40 | ng    | -0.04    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.40  | 112 | 3204  | 0.31 | ng | -0.01 |
| 5) Phenol-d6                | 6.98  | 99  | 4274  | 0.30 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.98  | 82  | 3177  | 0.36 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 7138m | 0.32 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 762   | 0.22 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 10956 | 0.37 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 75235 | 0.30 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.82 | 244 | 12860 | 0.32 | ng | -0.02 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.33  | 88  | 1563  | 0.297 | ng | # 70   |
| 3) n-Nitrosodimethylamine      | 3.66  | 42  | 1101  | 0.355 | ng | # 77   |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 3934  | 0.311 | ng | 100    |
| 9) Naphthalene                 | 10.65 | 128 | 47339 | 0.336 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 2968  | 0.324 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 7562  | 0.315 | ng | 99     |
| 16) Acenaphthylene             | 14.18 | 152 | 10663 | 0.300 | ng | 99     |
| 17) Acenaphthene               | 14.53 | 154 | 6785  | 0.323 | ng | 99     |
| 18) Fluorene                   | 15.49 | 166 | 9245  | 0.305 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.39 | 248 | 3535  | 0.325 | ng | # 85   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 3655  | 0.353 | ng | 97     |
| 22) Pentachlorophenol          | 16.84 | 266 | 1801  | 0.419 | ng | 90     |
| 23) Phenanthrene               | 17.23 | 178 | 16480 | 0.333 | ng | 100    |
| 24) Anthracene                 | 17.32 | 178 | 14391 | 0.308 | ng | 100    |
| 26) Fluoranthene               | 19.25 | 202 | 20955 | 0.287 | ng | 99     |
| 28) Pyrene                     | 19.61 | 202 | 20912 | 0.355 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 22739 | 0.324 | ng | 99     |
| 31) Chrysene                   | 21.40 | 228 | 23352 | 0.339 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 16648 | 0.186 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.50 | 276 | 32101 | 0.408 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 23402 | 0.313 | ng | 98     |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 24574 | 0.337 | ng | 98     |
| 37) Benzo(a)pyrene             | 23.75 | 252 | 22987 | 0.327 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.52 | 278 | 27129 | 0.388 | ng | 98     |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276 | 27813 | 0.399 | ng | 98     |

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

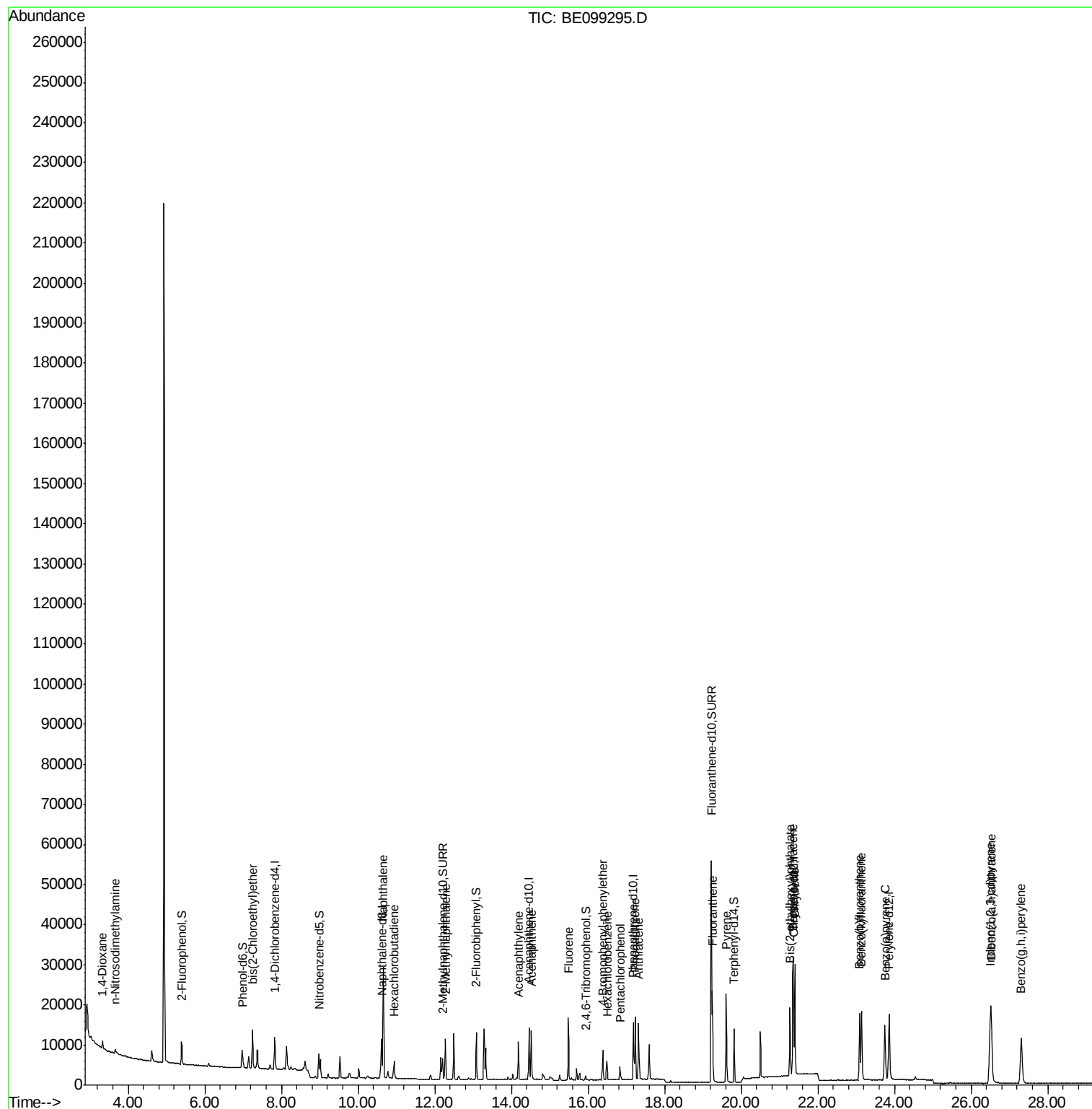
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE040419\  
Data File : BE099295.D  
Acq On : 4 Apr 2019 18:14  
Operator : JU/SJ  
Sample : PB118607BSD  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
PB118607BSD

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Quant Time: Apr 05 04:37:23 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE040219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 02 17:16:42 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

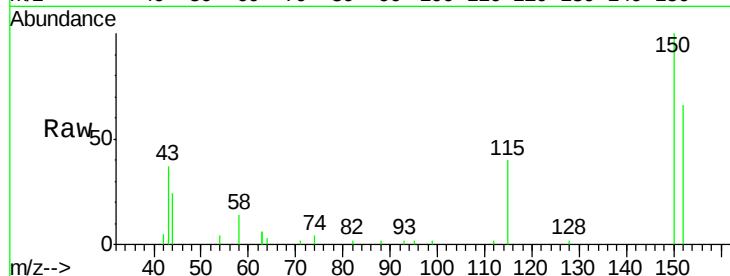
ClientSampleId :

PB118607BSD

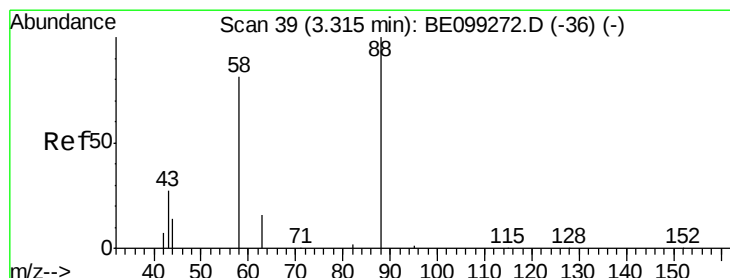
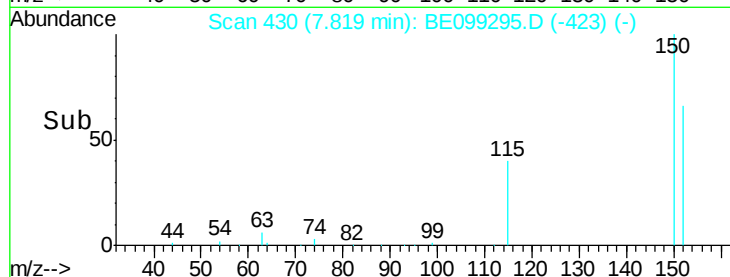
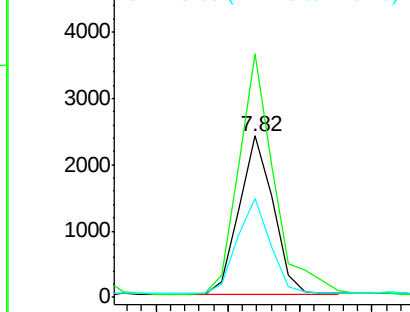
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 3860  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 150.6 | 112.8 | 169.2 |
| 115       | 60.9  | 45.1  | 67.7  |

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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



#2

1,4-Dioxane

Concen: 0.297 ng

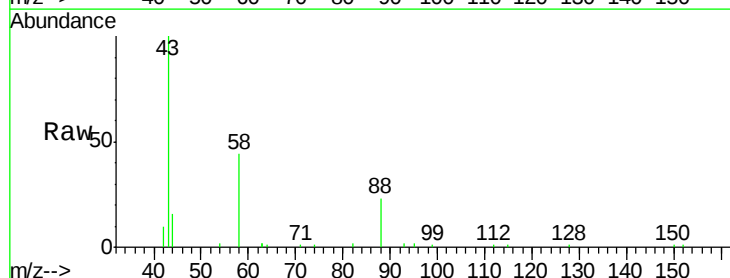
RT: 3.33 min Scan# 40

Delta R.T. -0.01 min

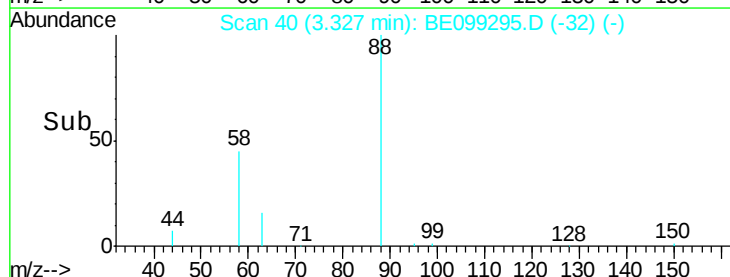
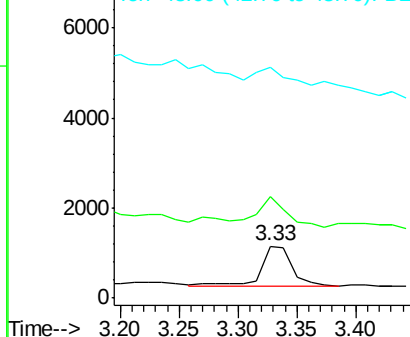
Lab File: BE099295.D

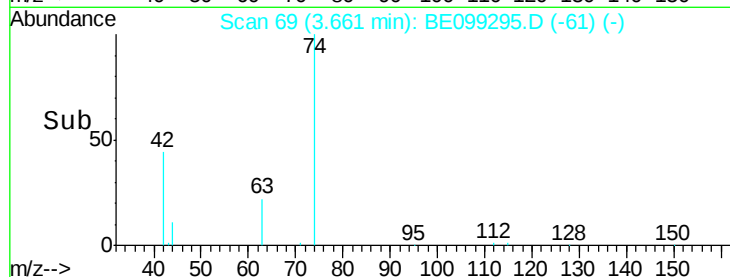
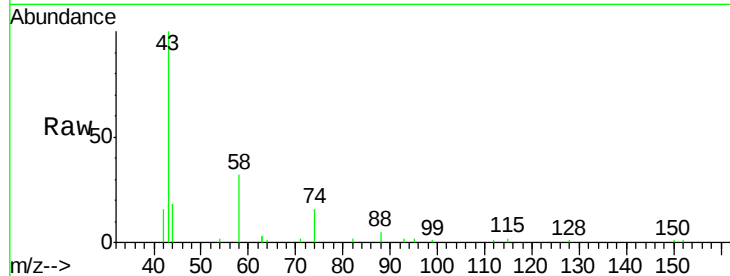
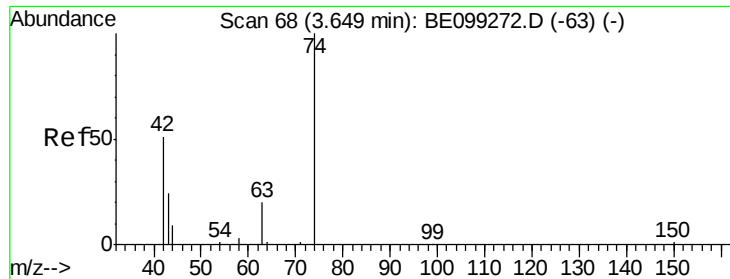
Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 1563  |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 72.9  | 47.4  | 71.0# |
| 43        | 49.3  | 15.6  | 23.4# |



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





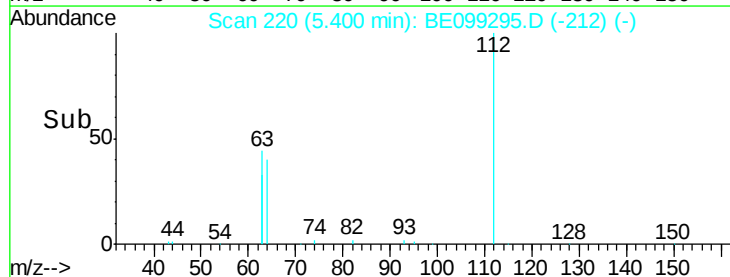
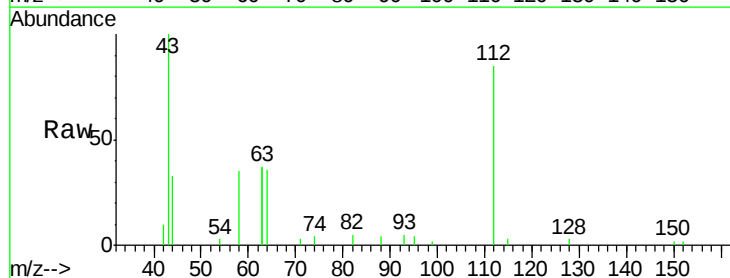
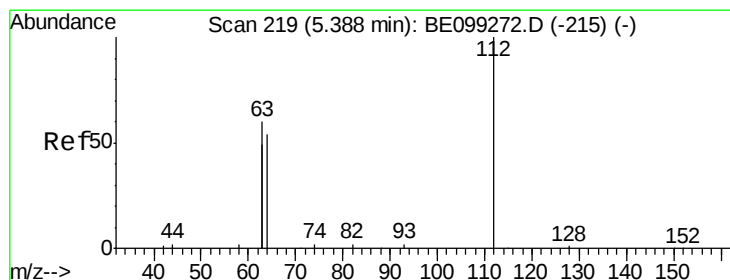
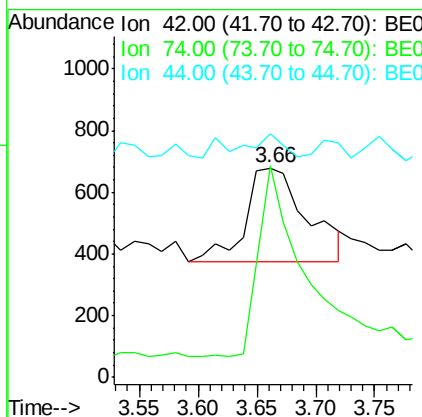
#3  
n-Nitrosodimethylamine  
Concen: 0.355 ng  
RT: 3.66 min Scan# 69  
Delta R.T. -0.01 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 140.7 | 138.6 | 207.8 |
| 44      | 11.4  | 15.0  | 22.6  |

Instrument :  
BNA\_E  
ClientSampleId :  
PB118607BSD

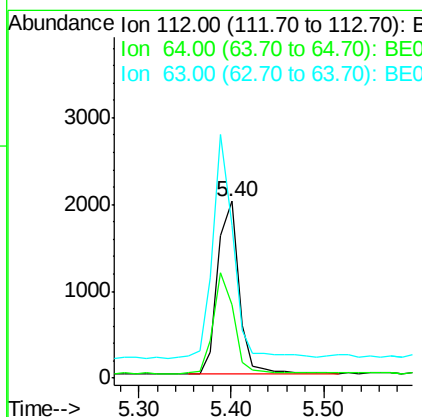
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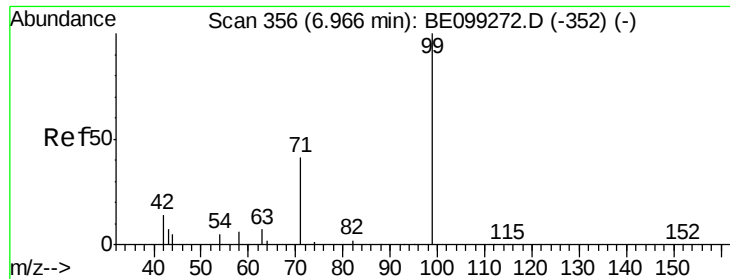
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#4  
2-Fluorophenol  
Concen: 0.312 ng  
RT: 5.40 min Scan# 220  
Delta R.T. -0.01 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.1  | 46.2  | 69.2  |
| 63      | 125.4 | 89.9  | 134.9 |





#5

Phenol-d6

Concen: 0.303 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

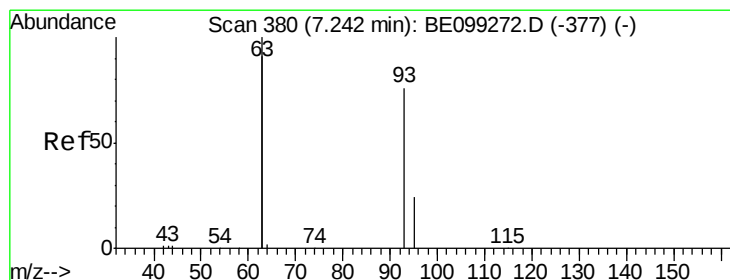
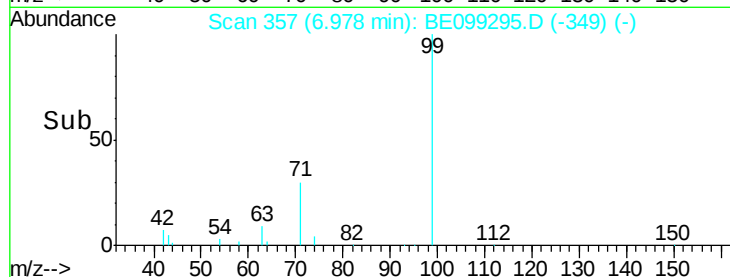
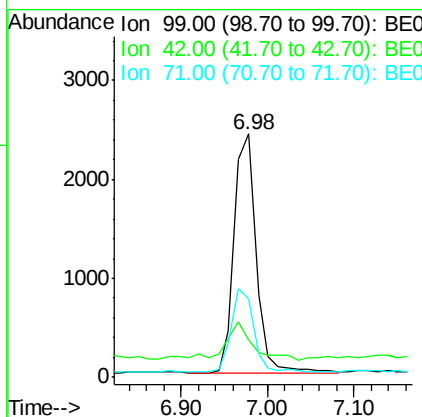
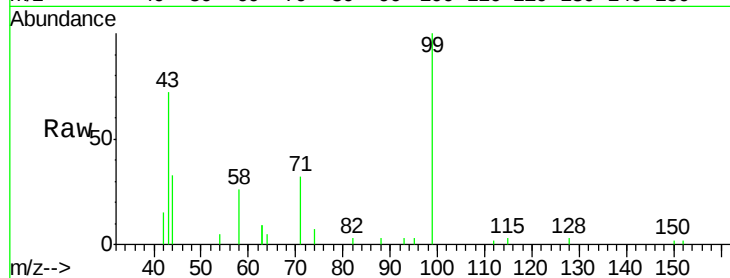
ClientSampleId :

PB118607BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 4274  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.8  | 12.4  | 18.6# |
| 71       | 35.6  | 28.4  | 42.6  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.311 ng

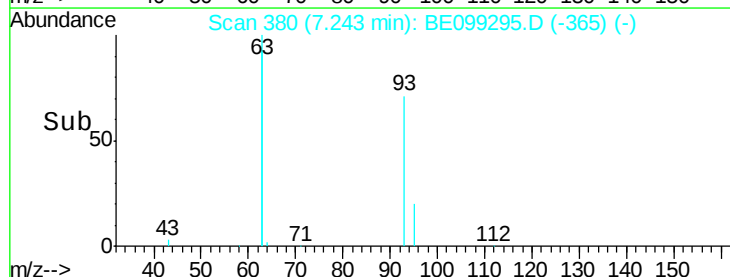
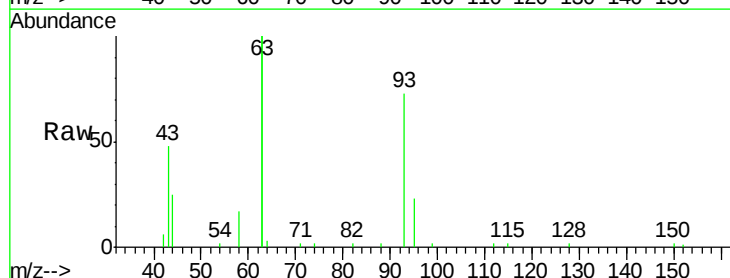
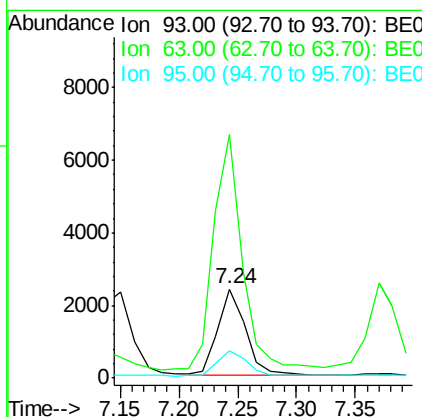
RT: 7.24 min Scan# 380

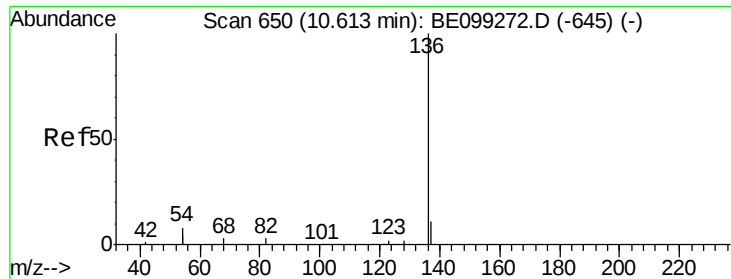
Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 3934  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 276.0 | 221.4 | 332.0 |
| 95       | 31.7  | 25.8  | 38.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

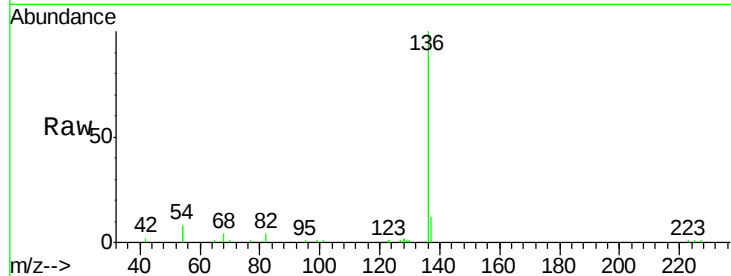
ClientSampleId :

PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.1  | 8.7   | 13.1  |
| 54      | 16.0  | 18.7  | 28.1# |
| 68      | 4.5   | 5.2   | 7.8#  |

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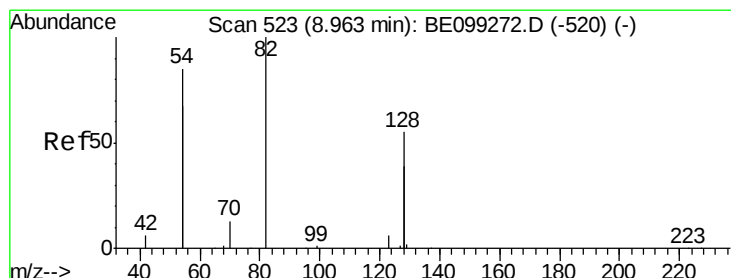
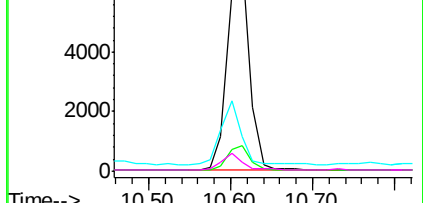
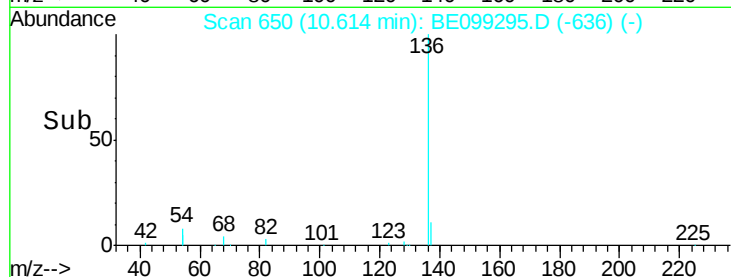
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



#8

Nitrobenzene-d5

Concen: 0.357 ng

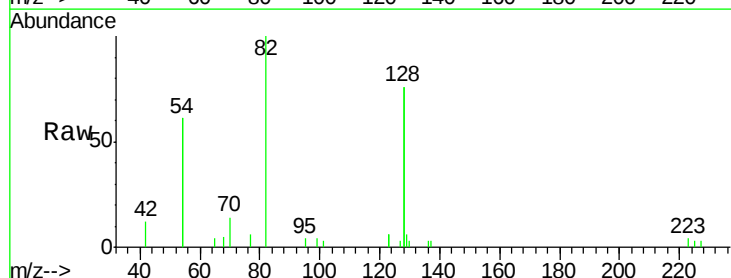
RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 152.8 | 107.5 | 161.3 |
| 54      | 121.8 | 106.3 | 159.5 |

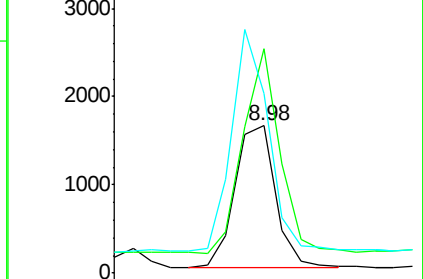
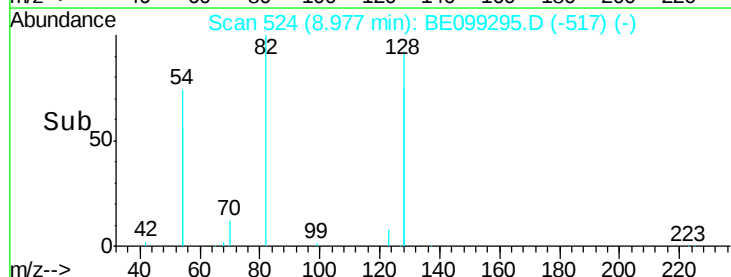


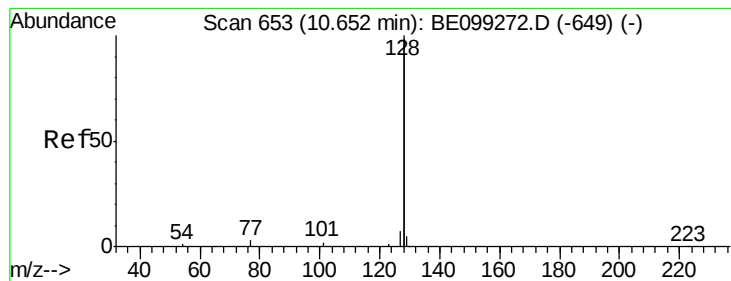
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->





#9

Naphthalene

Concen: 0.336 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

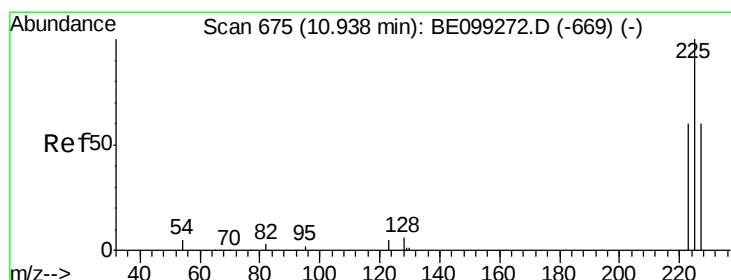
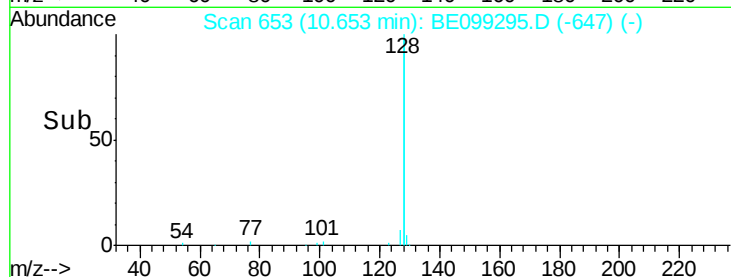
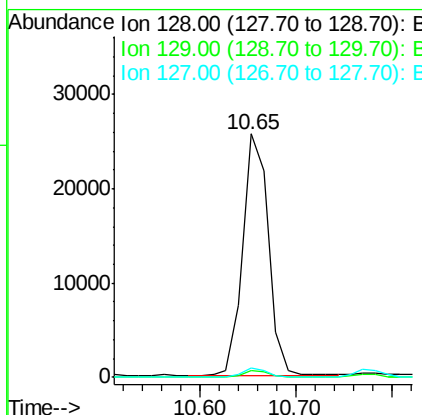
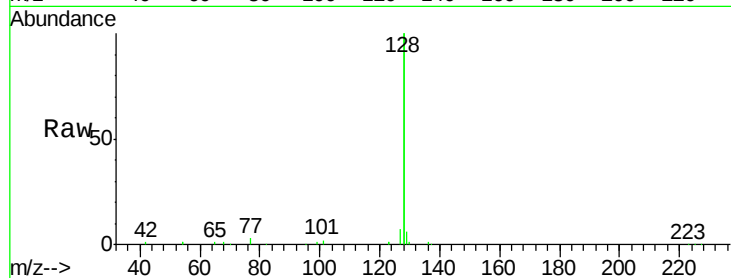
ClientSampleId :

PB118607BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 47339 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.9   | 2.3   | 3.5   |
| 127       | 3.7   | 2.6   | 3.8   |

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#10

Hexachlorobutadiene

Concen: 0.324 ng

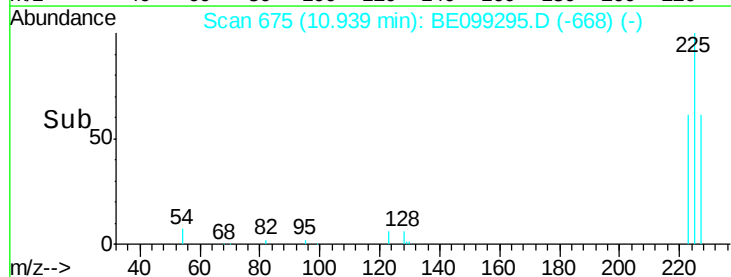
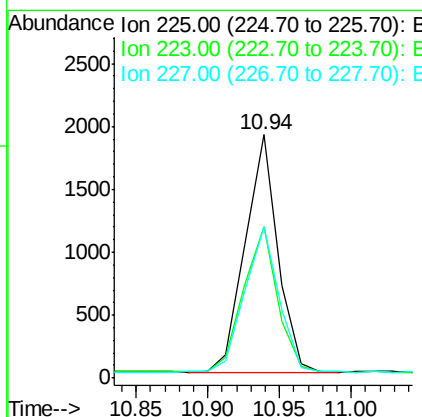
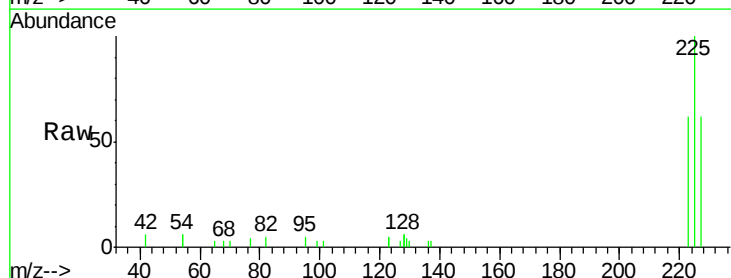
RT: 10.94 min Scan# 675

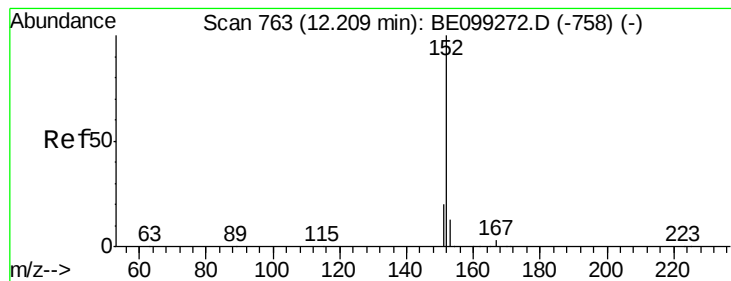
Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2968 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.3  | 51.3  | 76.9 |
| 227       | 63.8  | 48.6  | 73.0 |





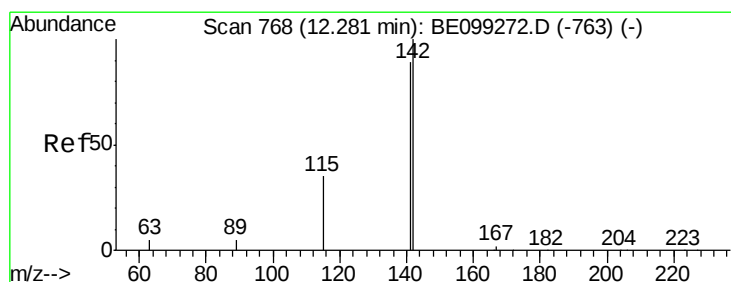
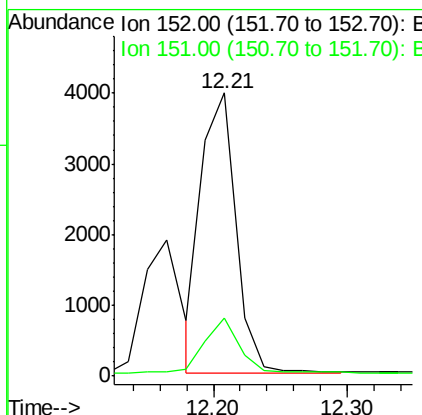
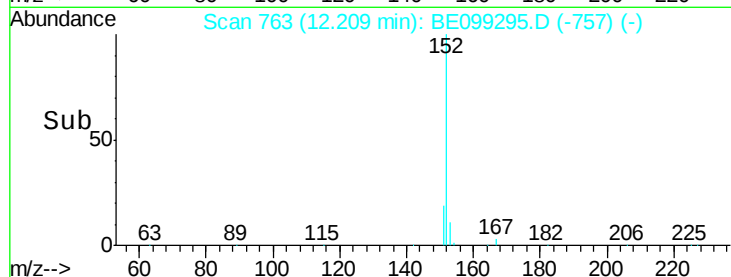
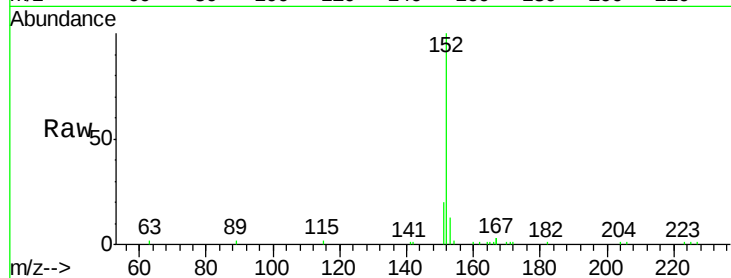
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.315 ng m  
 RT: 12.21 min Scan# 763  
 Delta R.T. -0.01 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118607BSD

Tgt Ion:152 Resp: 7138  
 Ion Ratio Lower Upper  
 152 100  
 151 19.3 15.0 22.6

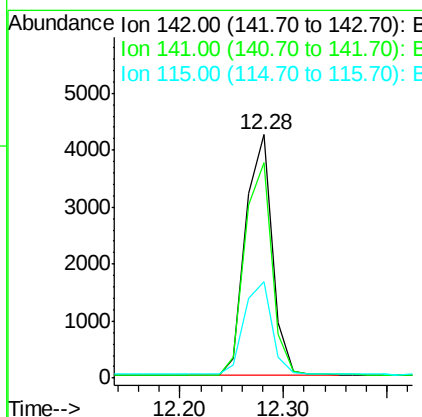
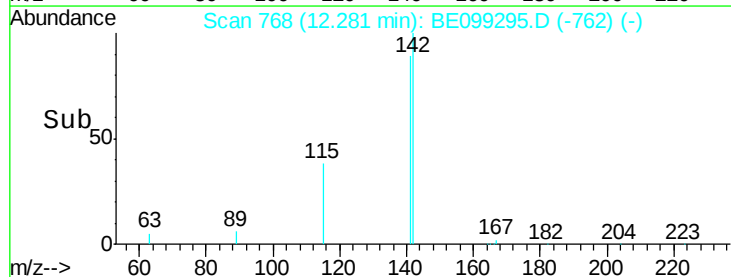
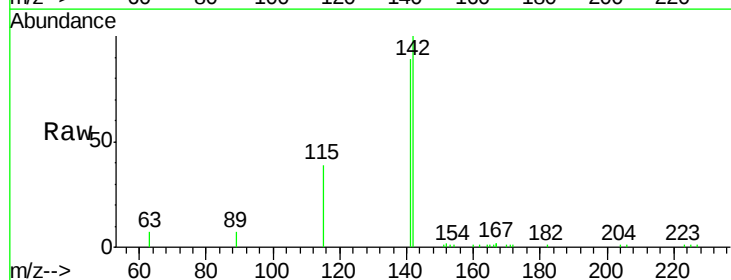
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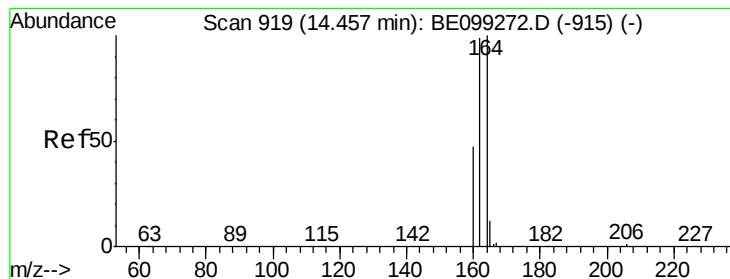
Sohil  
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#12  
 2-Methylnaphthalene  
 Concen: 0.315 ng  
 RT: 12.28 min Scan# 768  
 Delta R.T. -0.01 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

Tgt Ion:142 Resp: 7562  
 Ion Ratio Lower Upper  
 142 100  
 141 88.7 71.3 106.9  
 115 39.3 30.4 45.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

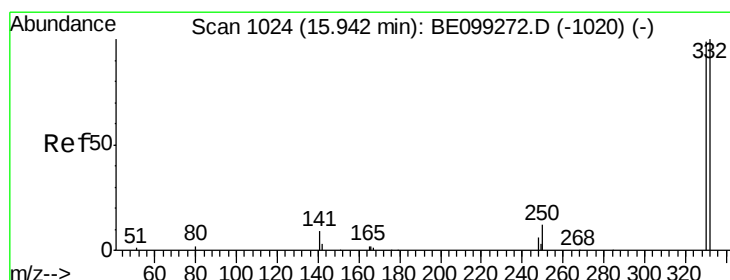
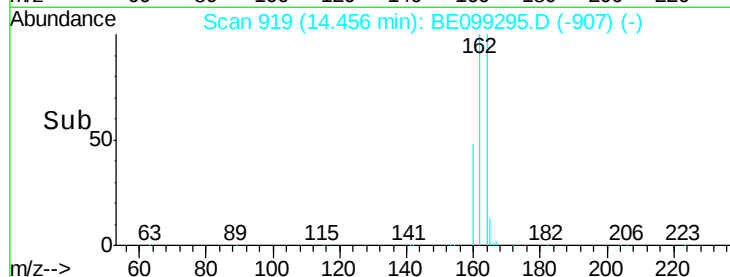
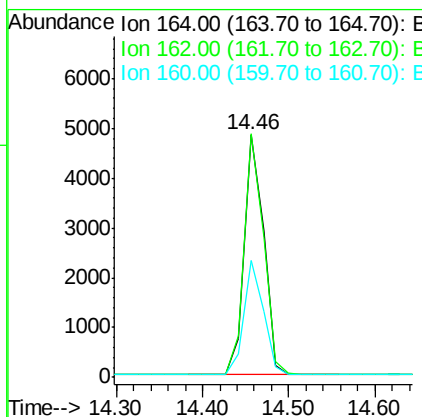
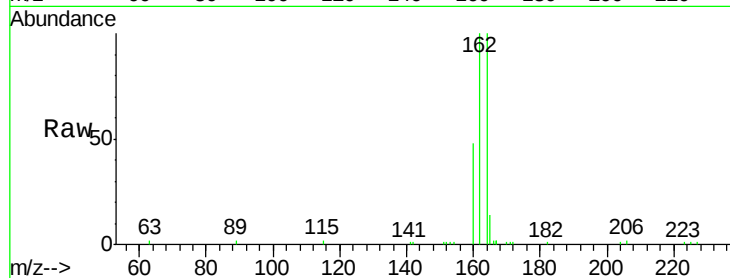
ClientSampleId :

PB118607BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 7507  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.2 | 79.2  | 118.8 |
| 160       | 48.3  | 36.7  | 55.1  |

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#14

2,4,6-Tribromophenol

Concen: 0.220 ng

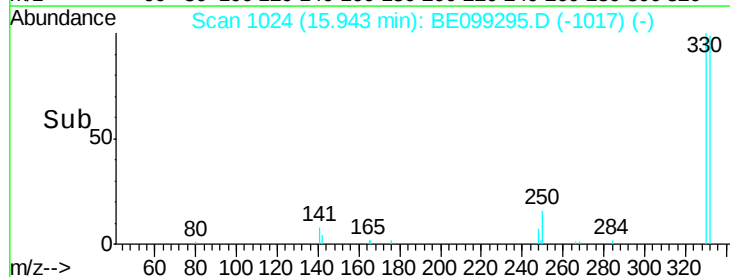
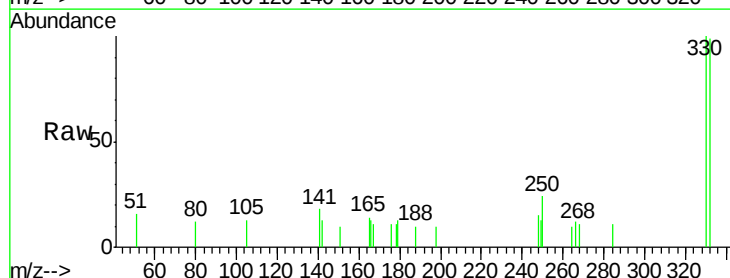
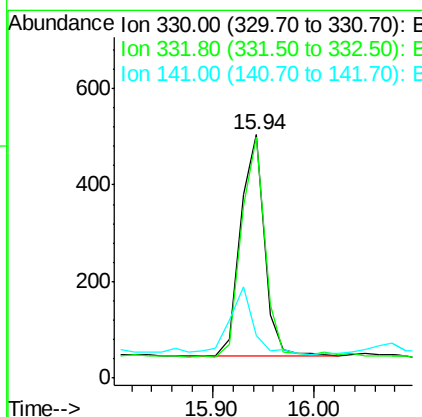
RT: 15.94 min Scan# 1024

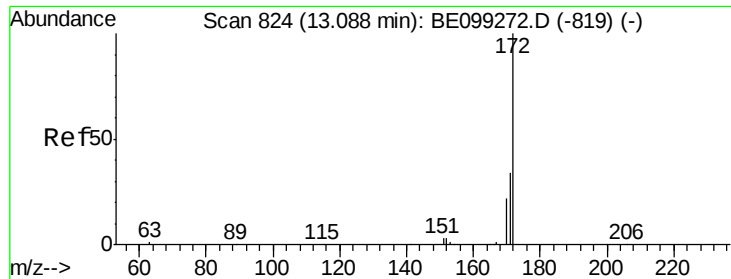
Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 762   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 97.4  | 71.3  | 106.9 |
| 141       | 29.8  | 21.7  | 32.5  |





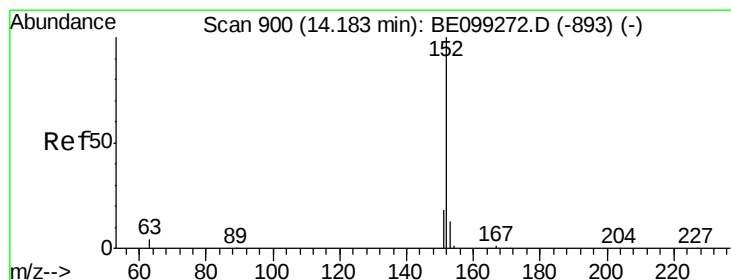
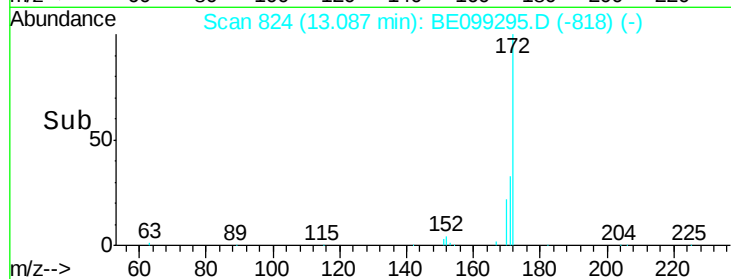
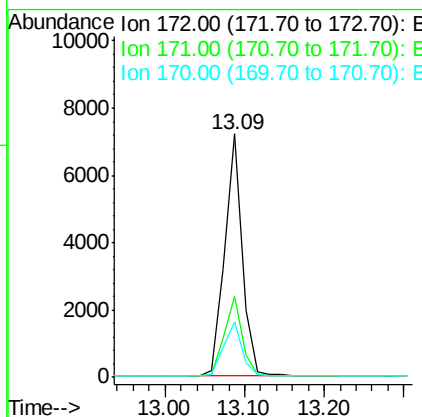
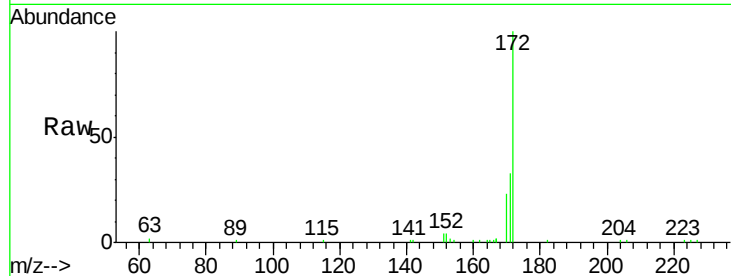
#15  
 2-Fluorobiphenyl  
 Concen: 0.371 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. -0.01 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.4  | 27.4  | 41.0  |
| 170     | 22.6  | 19.1  | 28.7  |

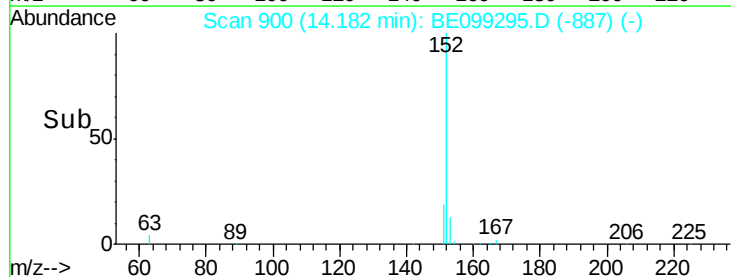
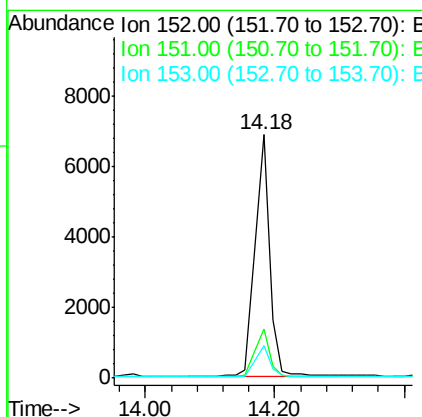
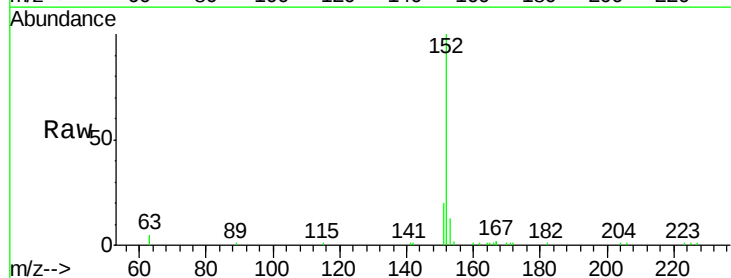
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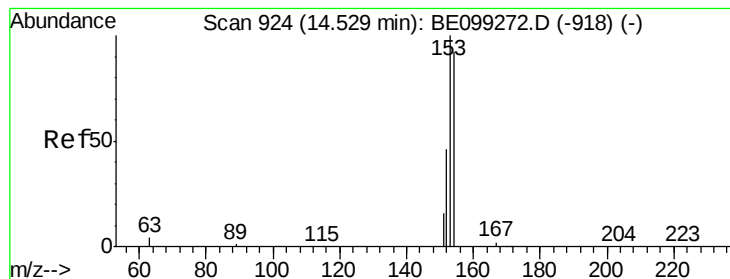
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#16  
 Acenaphthylene  
 Concen: 0.300 ng  
 RT: 14.18 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.7  | 23.5  |
| 153     | 12.5  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.323 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

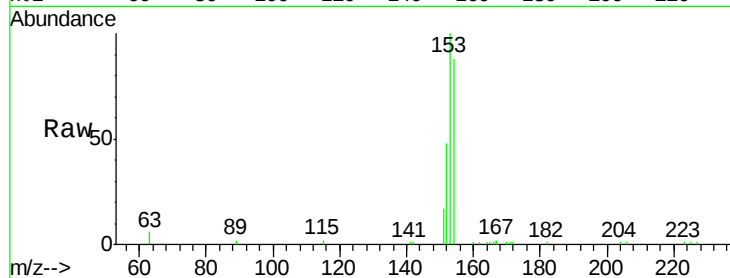
ClientSampleId :

PB118607BSD

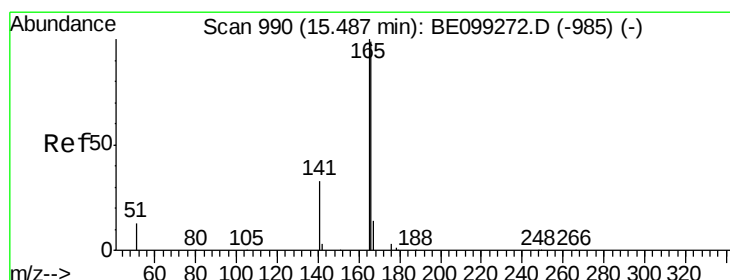
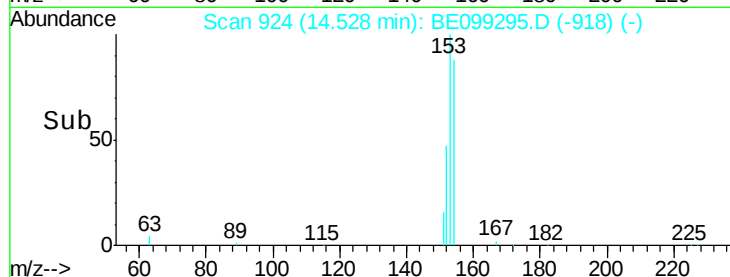
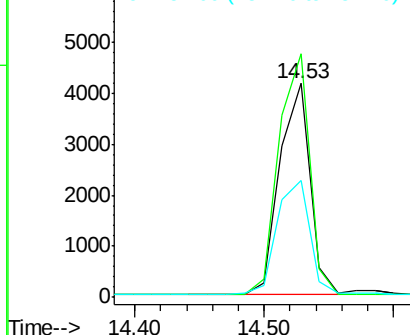
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 6785  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 115.7 | 93.4  | 140.0 |
| 152       | 57.9  | 46.6  | 69.8  |

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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: 0.305 ng

RT: 15.49 min Scan# 990

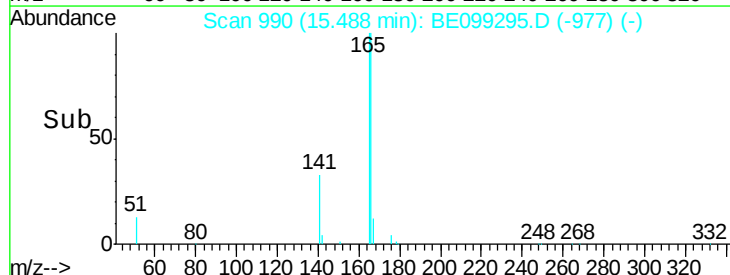
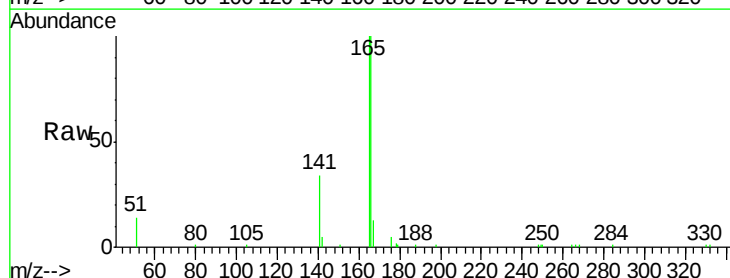
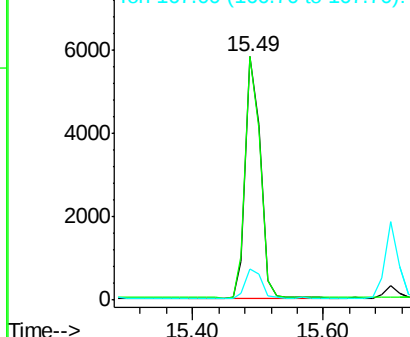
Delta R.T. -0.03 min

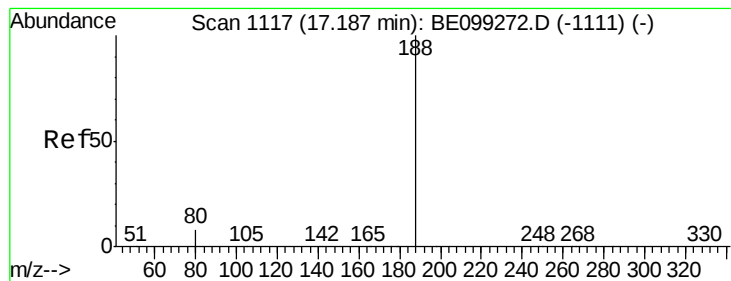
Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 9245  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.6  | 78.9  | 118.3 |
| 167       | 12.9  | 10.9  | 16.3  |

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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

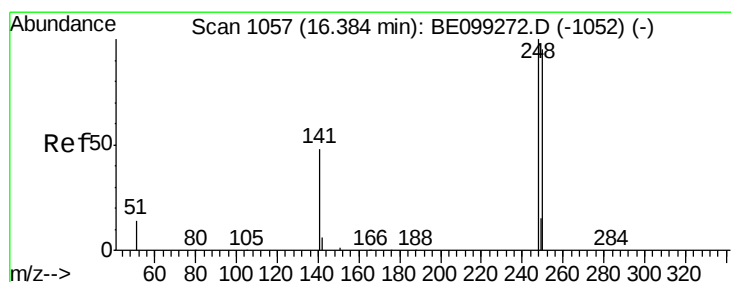
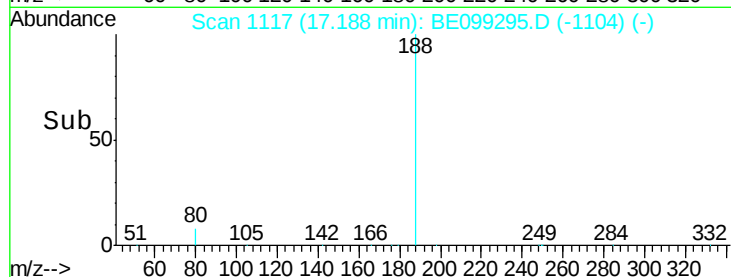
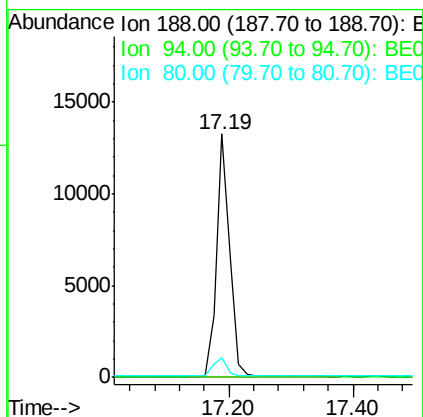
ClientSampleId :

PB118607BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 19142 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 8.1   | 4.5   | 6.7#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.325 ng

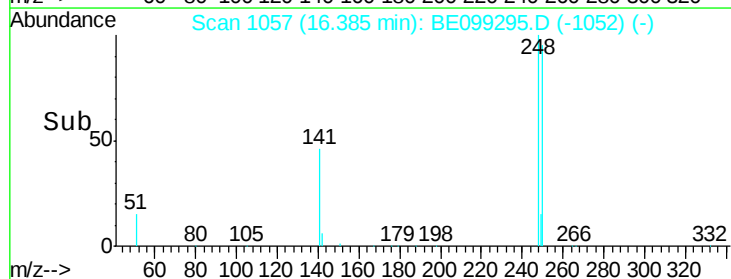
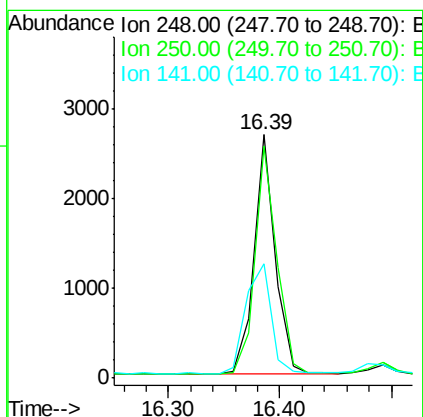
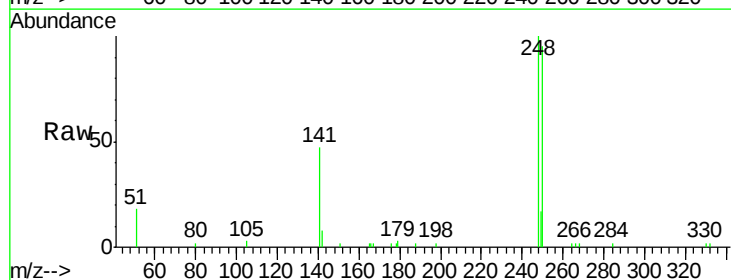
RT: 16.39 min Scan# 1057

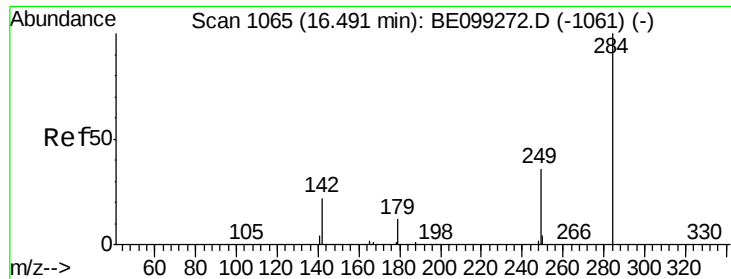
Delta R.T. -0.03 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 3535  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 95.3  | 84.2  | 126.2 |
| 141       | 47.0  | 21.8  | 32.6# |





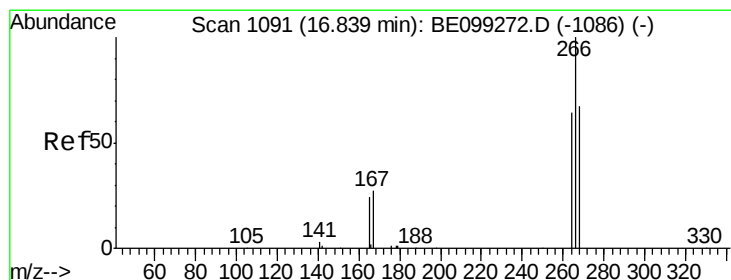
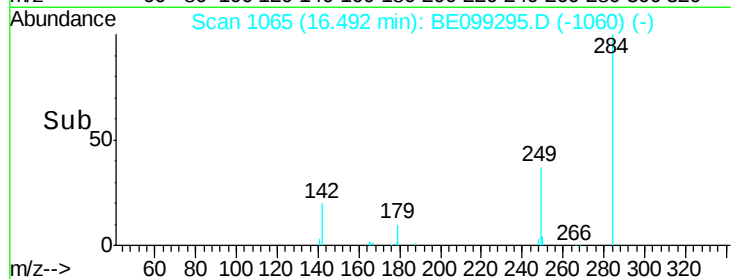
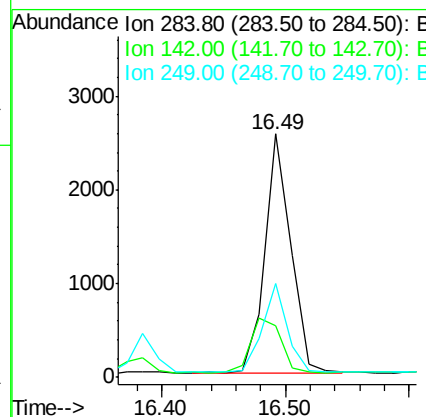
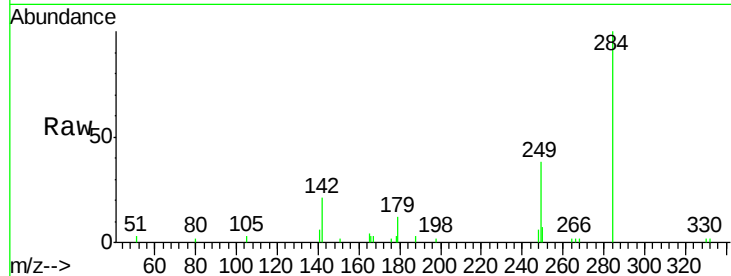
#21  
Hexachlorobenzene  
Concen: 0.353 ng  
RT: 16.49 min Scan# 1065  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

Instrument :  
BNA\_E  
ClientSampleId :  
PB118607BSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 284     | 100   |            |            |
| 142     | 26.9  | 22.7       | 34.1       |
| 249     | 35.5  | 26.9       | 40.3       |

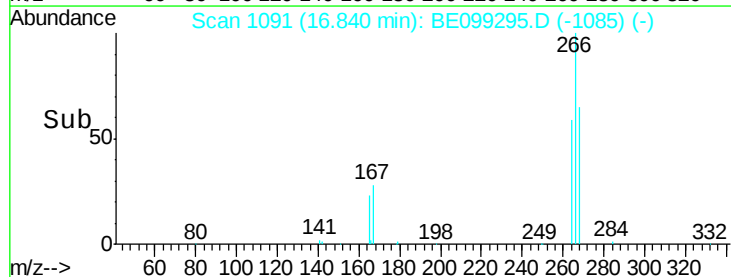
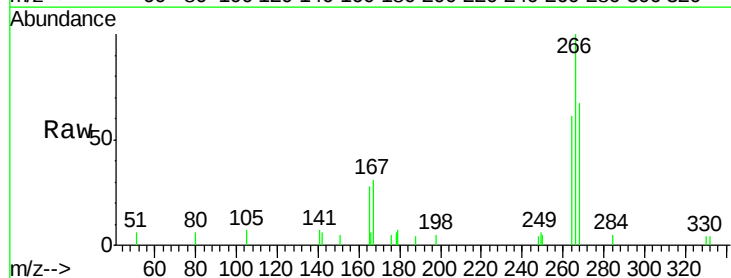
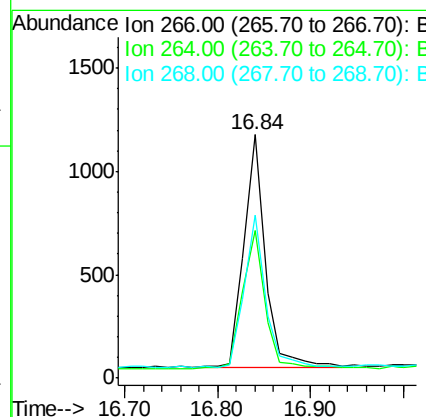
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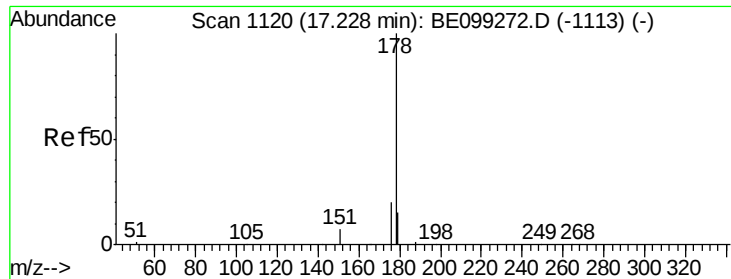
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#22  
Pentachlorophenol  
Concen: 0.419 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 264     | 60.7  | 54.4       | 81.6       |
| 268     | 67.1  | 61.3       | 91.9       |





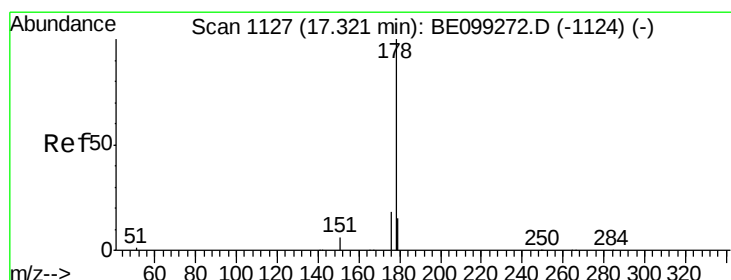
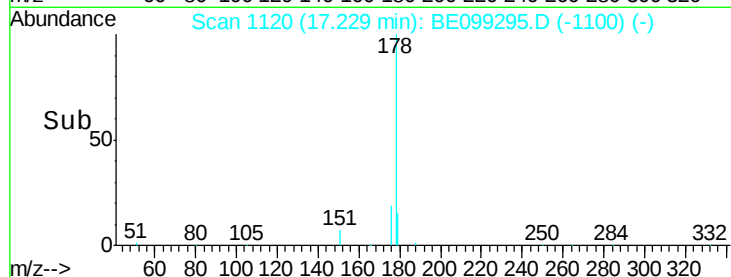
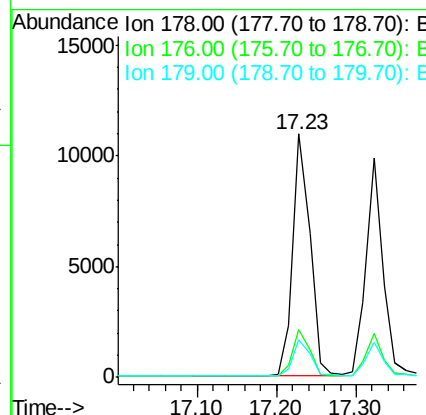
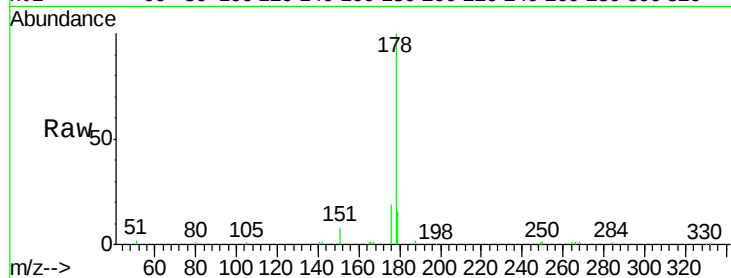
#23  
Phenanthrene  
Concen: 0.333 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

Instrument :  
BNA\_E  
ClientSampled :  
PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.4  | 23.2  |
| 179     | 15.3  | 12.3  | 18.5  |

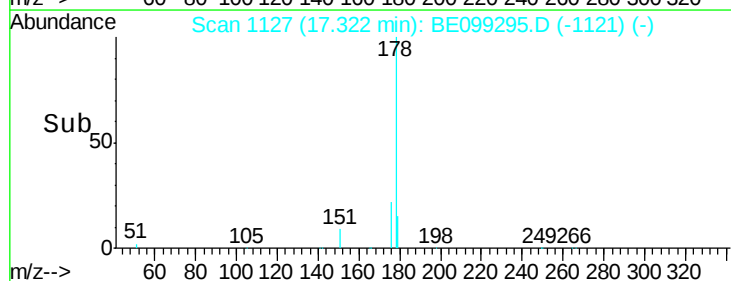
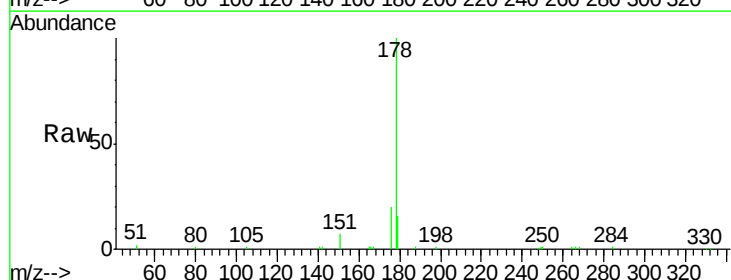
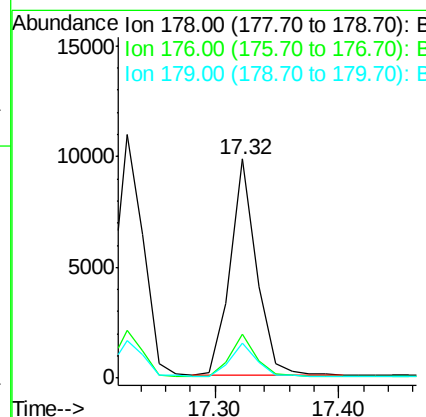
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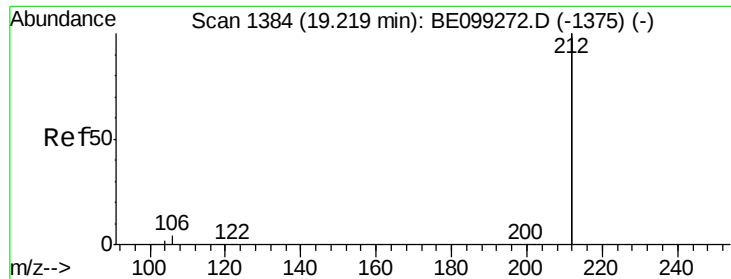
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#24  
Anthracene  
Concen: 0.308 ng  
RT: 17.32 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.1  | 22.7  |
| 179     | 15.3  | 12.4  | 18.6  |





#25

Fluoranthene-d10

Concen: 0.298 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

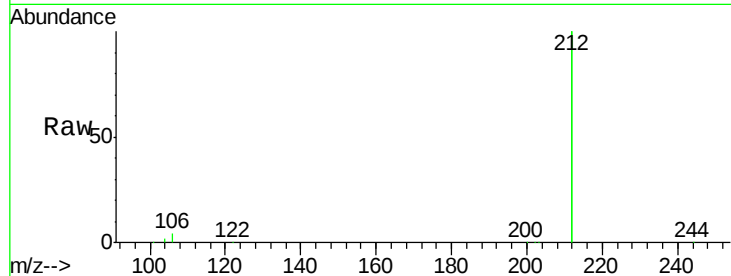
ClientSampleId :

PB118607BSD

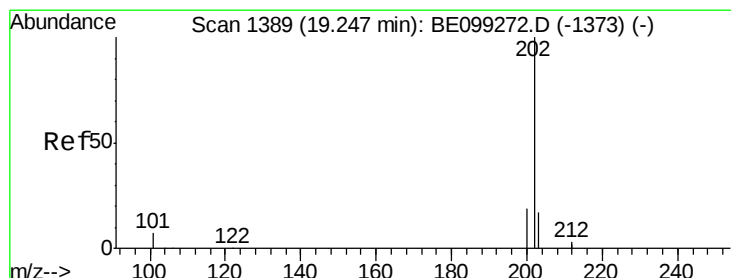
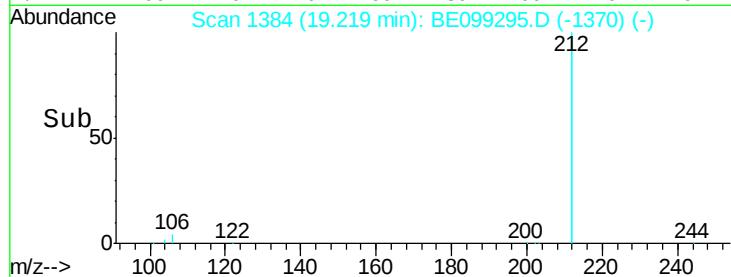
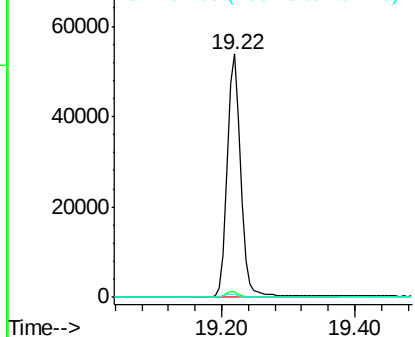
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 75235 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.1   | 1.8   | 2.8   |
| 104       | 1.3   | 1.1   | 1.7   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.287 ng

RT: 19.25 min Scan# 1389

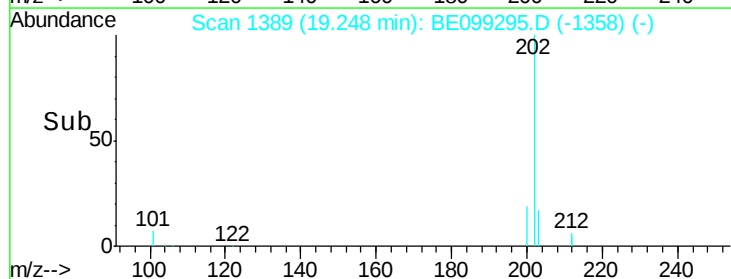
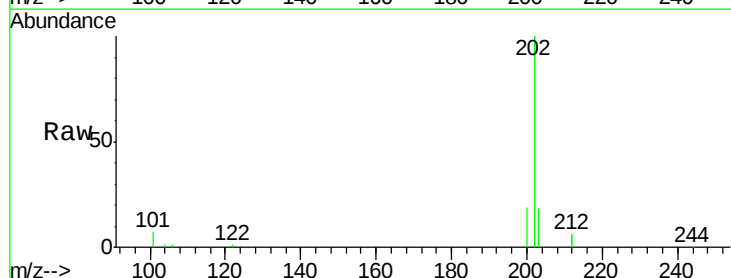
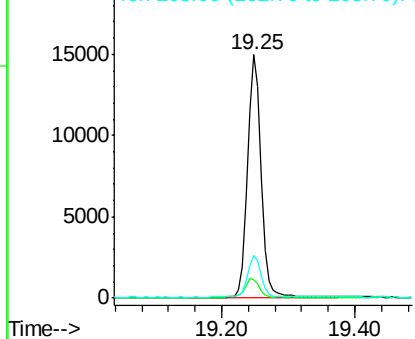
Delta R.T. -0.02 min

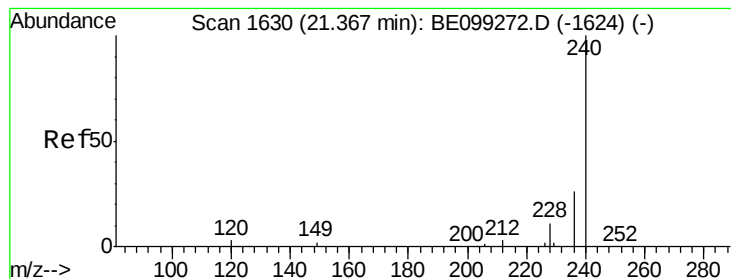
Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20955 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.8   | 7.0   | 10.4  |
| 203       | 17.1  | 13.8  | 20.6  |

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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

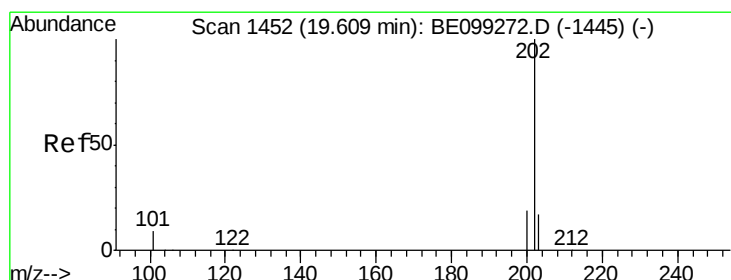
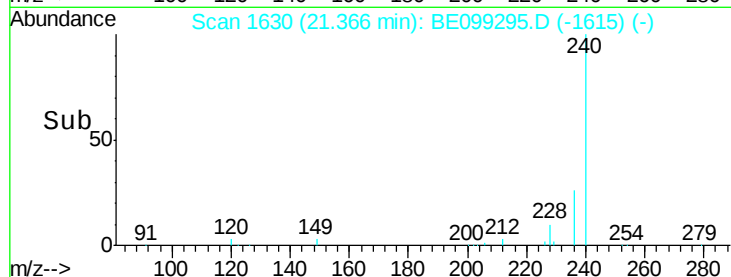
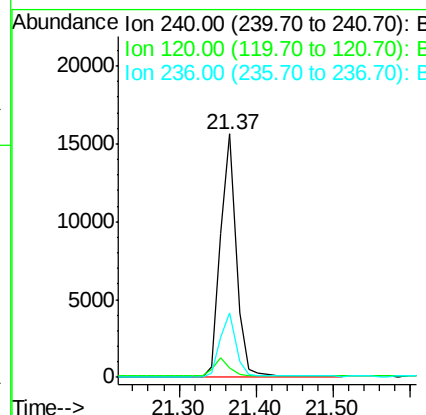
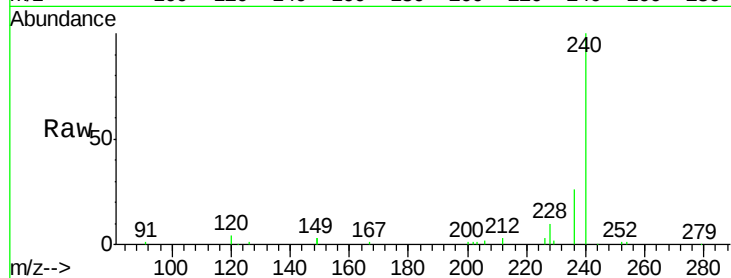
ClientSampleId :

PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 3.9   | 2.6   | 3.8#  |
| 236     | 26.4  | 20.9  | 31.3  |

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#28

Pyrene

Concen: 0.355 ng

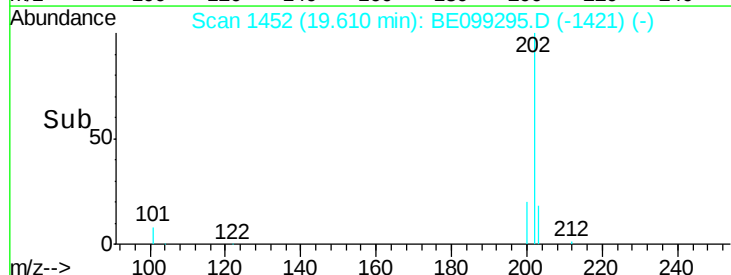
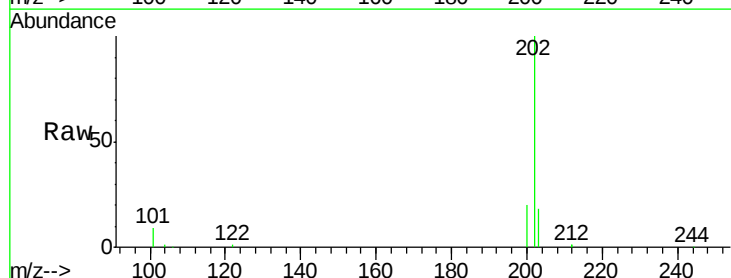
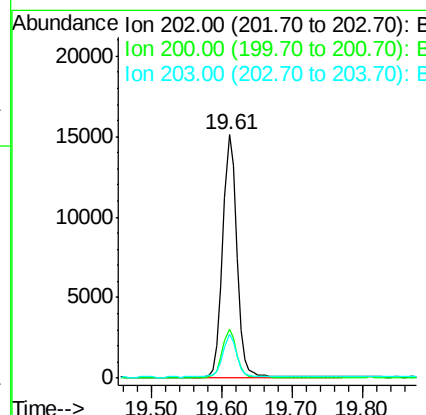
RT: 19.61 min Scan# 1452

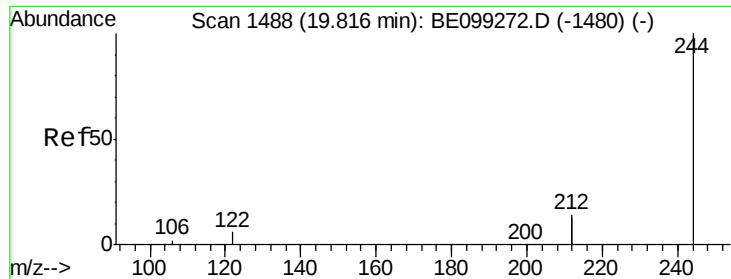
Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.5  | 15.8  | 23.8  |
| 203     | 17.8  | 14.1  | 21.1  |





#29

Terphenyl-d14

Concen: 0.316 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099295.D

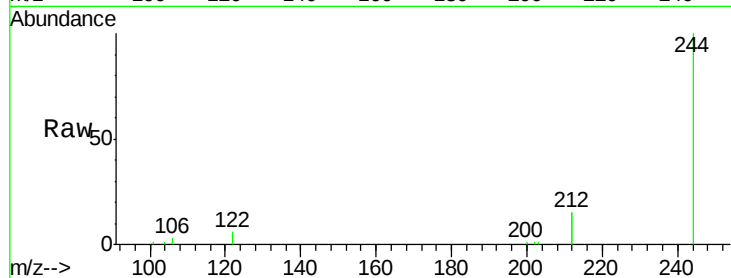
Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

ClientSampleId :

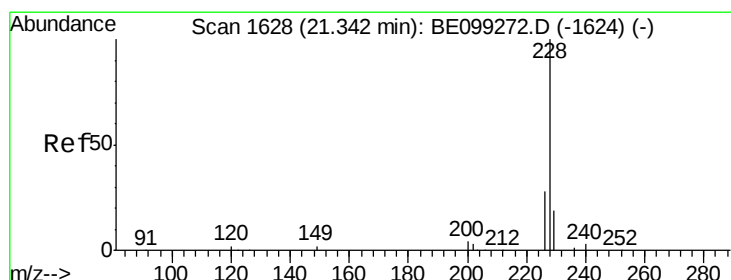
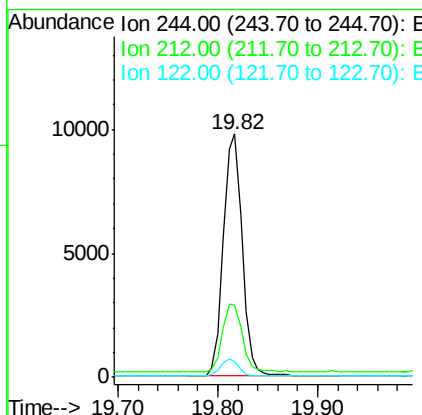
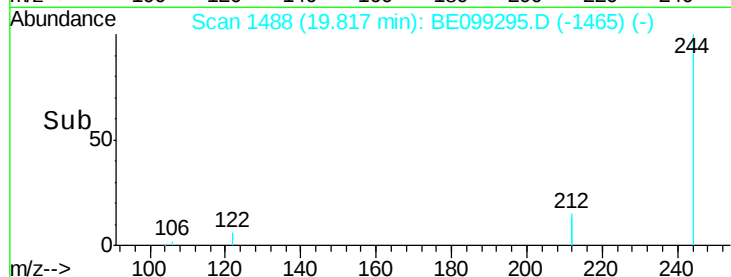
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 12860 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 29.8  | 22.7  | 34.1  |
| 122       | 6.3   | 5.8   | 8.6   |

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#30

Benzo(a)anthracene

Concen: 0.324 ng

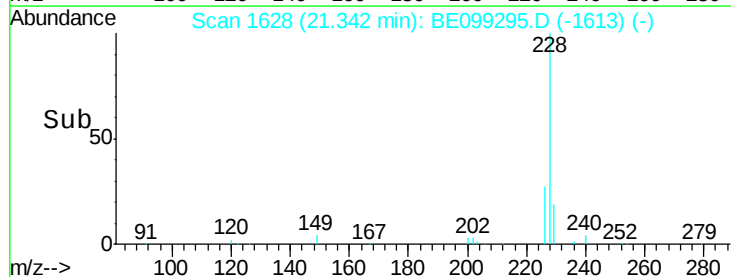
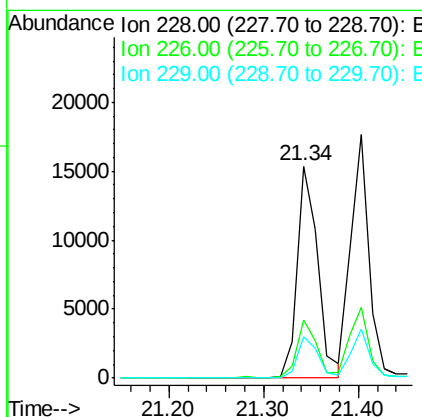
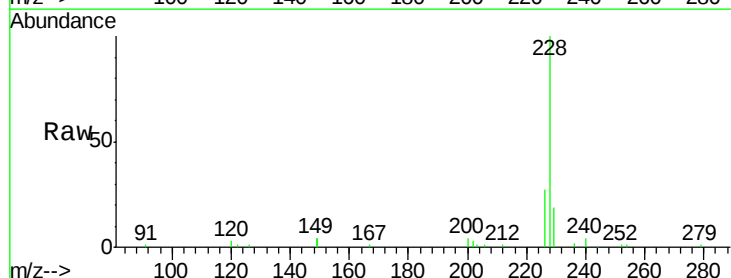
RT: 21.34 min Scan# 1628

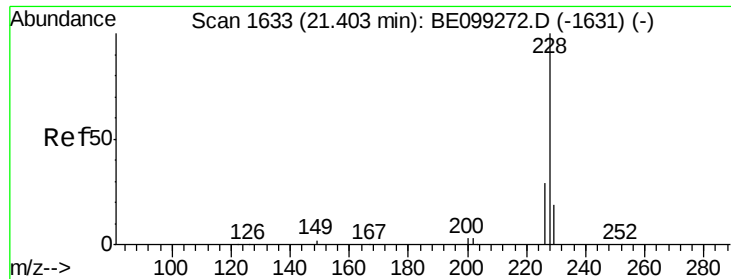
Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 22739 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.2  | 21.7  | 32.5  |
| 229       | 19.4  | 15.9  | 23.9  |





#31

Chrysene

Concen: 0.339 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

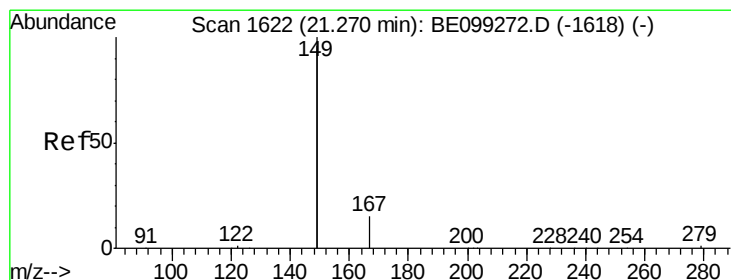
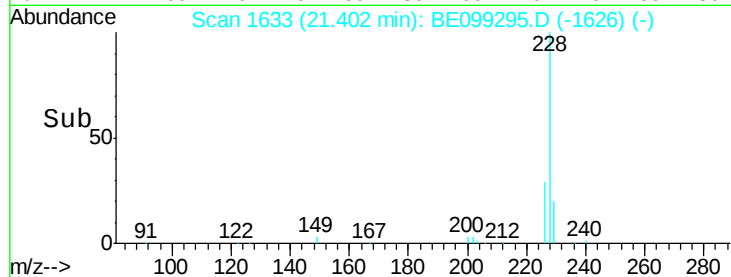
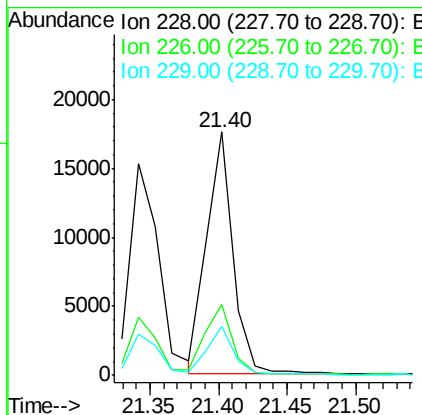
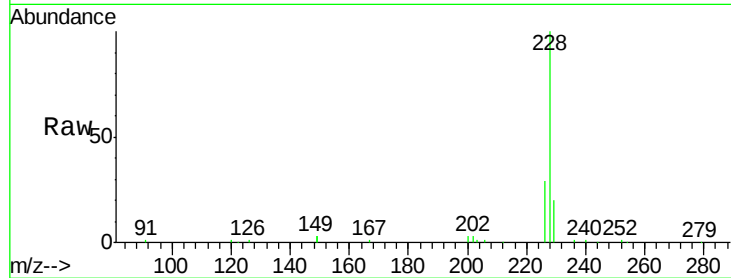
ClientSampleId :

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|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 228  | Resp: | 23352 |
| Ion Ratio |      | Lower | Upper |
| 228       | 100  |       |       |
| 226       | 29.2 | 24.8  | 37.2  |
| 229       | 20.4 | 15.4  | 23.0  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.186 ng

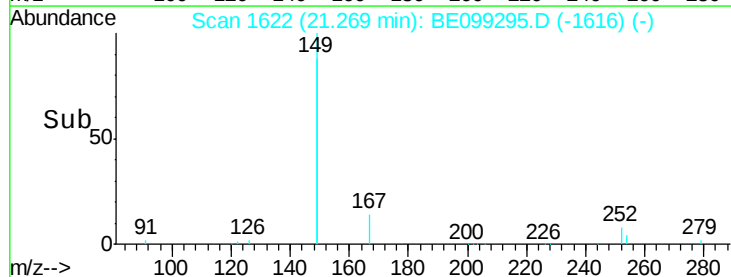
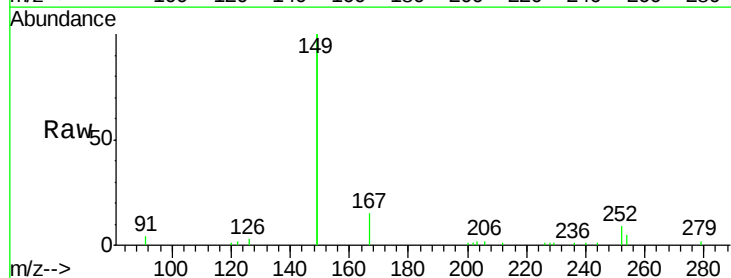
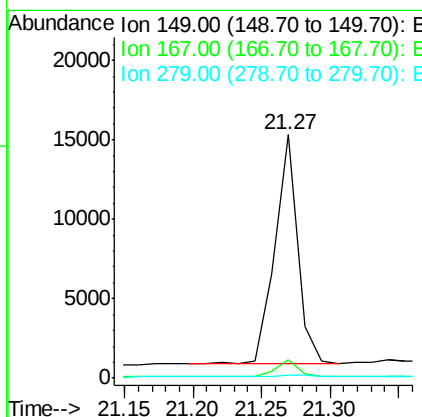
RT: 21.27 min Scan# 1622

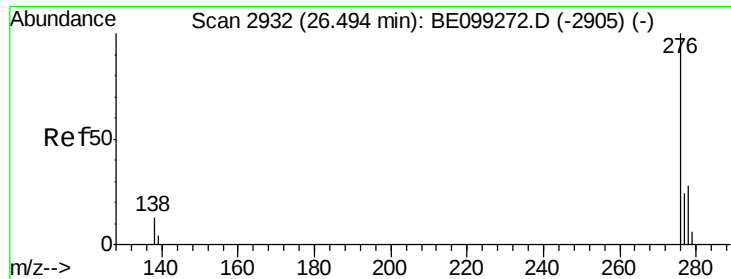
Delta R.T. -0.02 min

Lab File: BE099295.D

Acq: 4 Apr 2019 18:14

|           |     |       |       |
|-----------|-----|-------|-------|
| Tgt Ion:  | 149 | Resp: | 16648 |
| Ion Ratio |     | Lower | Upper |
| 149       | 100 |       |       |
| 167       | 7.4 | 5.9   | 8.9   |
| 279       | 1.5 | 1.0   | 1.6   |





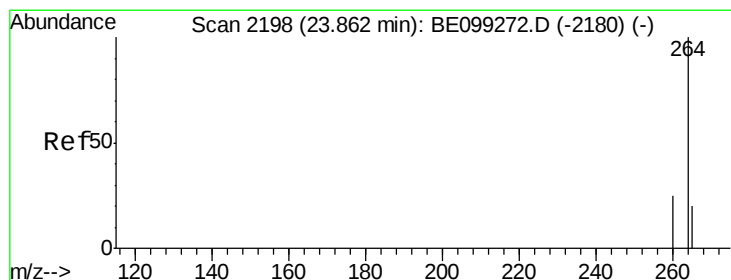
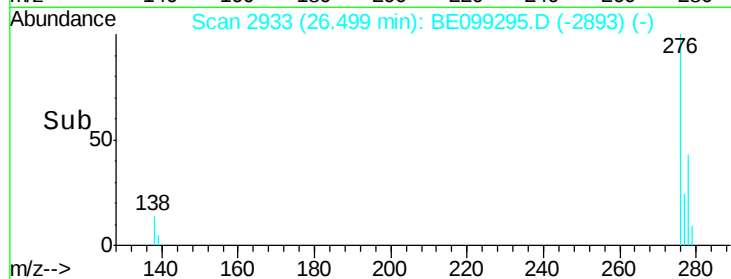
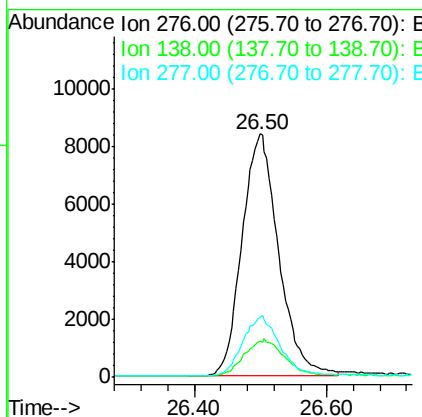
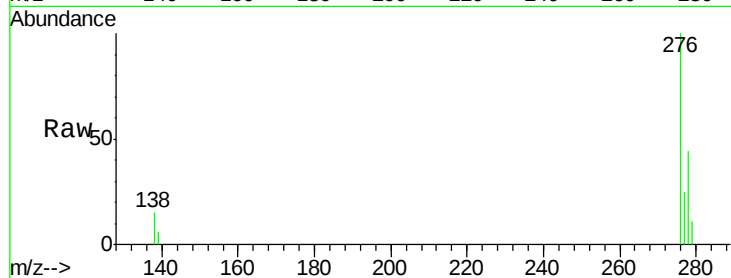
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.408 ng  
 RT: 26.50 min Scan# 2933  
 Delta R.T. -0.06 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.9  | 12.9  | 19.3  |
| 277     | 24.6  | 18.3  | 27.5  |

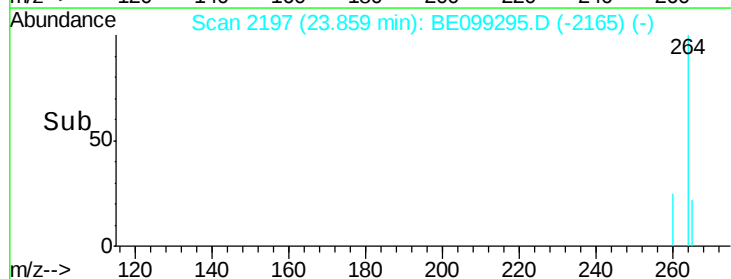
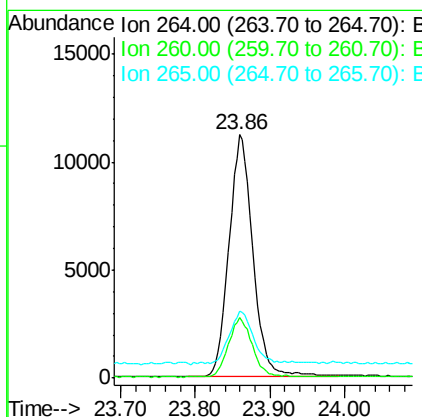
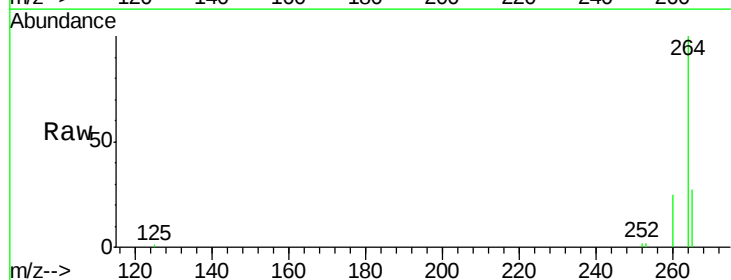
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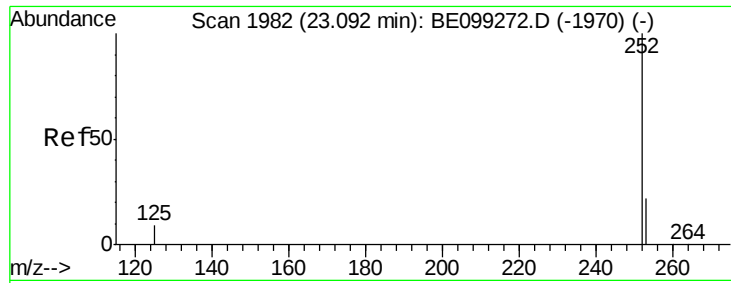
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.86 min Scan# 2197  
 Delta R.T. -0.04 min  
 Lab File: BE099295.D  
 Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 18.2  | 27.2  |
| 265     | 27.4  | 21.8  | 32.8  |





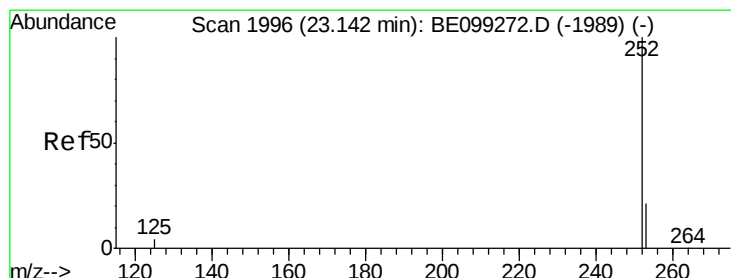
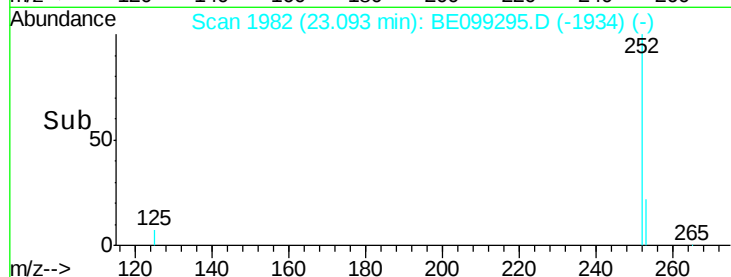
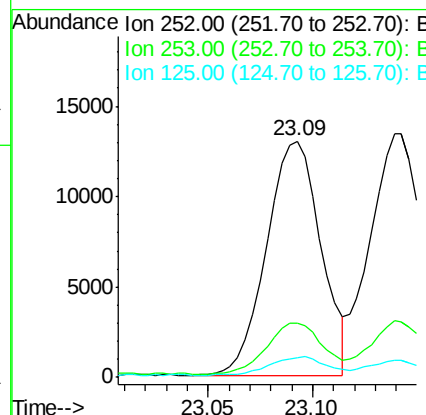
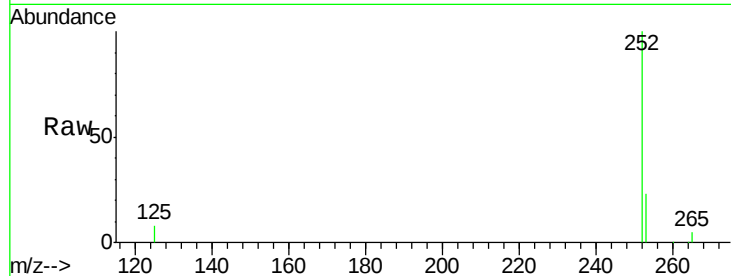
#35  
Benzo(b)fluoranthene  
Concen: 0.313 ng  
RT: 23.09 min Scan# 1982  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

Instrument :  
BNA\_E  
ClientSampleId :  
PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.8  | 26.8  |
| 125     | 8.2   | 6.1   | 9.1   |

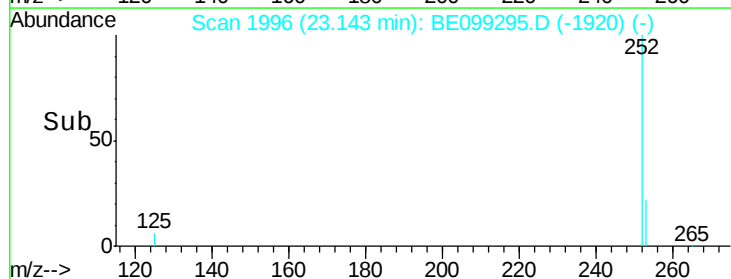
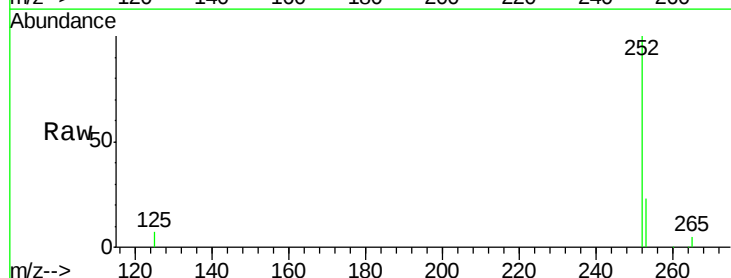
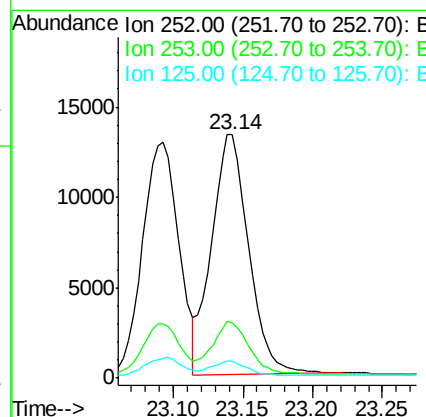
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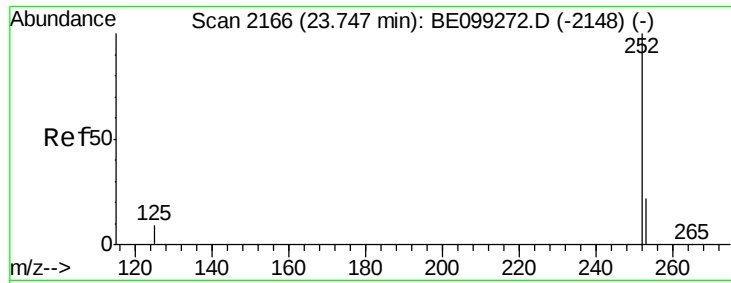
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#36  
Benzo(k)fluoranthene  
Concen: 0.337 ng  
RT: 23.14 min Scan# 1996  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.8  | 26.6  |
| 125     | 6.8   | 5.9   | 8.9   |





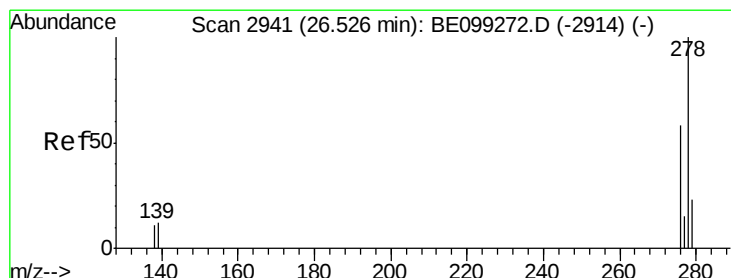
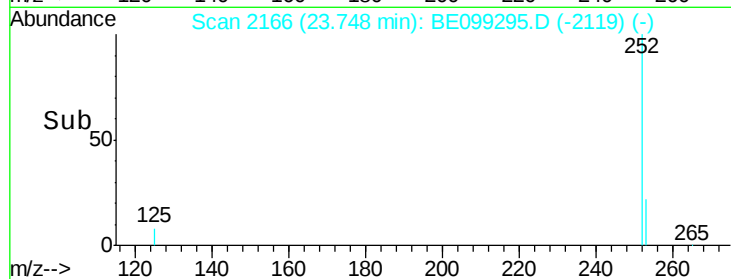
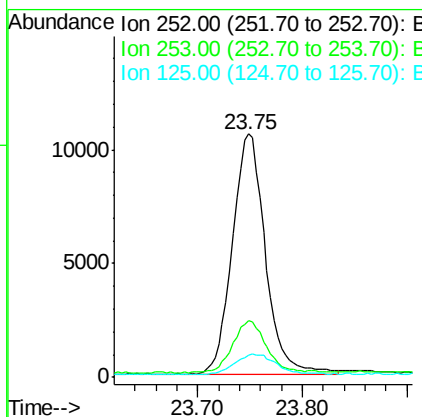
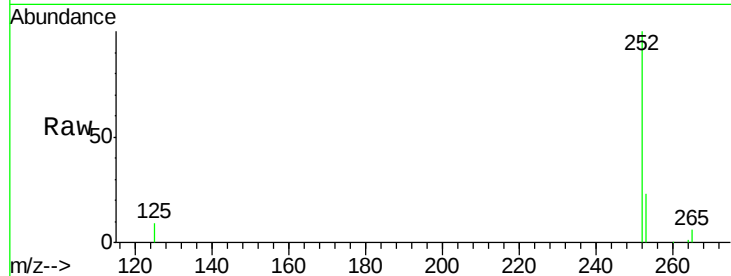
#37  
Benzo(a)pyrene  
Concen: 0.327 ng  
RT: 23.75 min Scan# 2166  
Delta R.T. -0.03 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

Instrument :  
BNA\_E  
ClientSampleId :  
PB118607BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.1  | 27.1  |
| 125     | 9.1   | 6.8   | 10.2  |

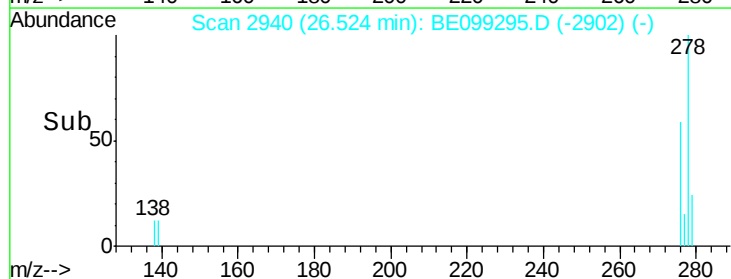
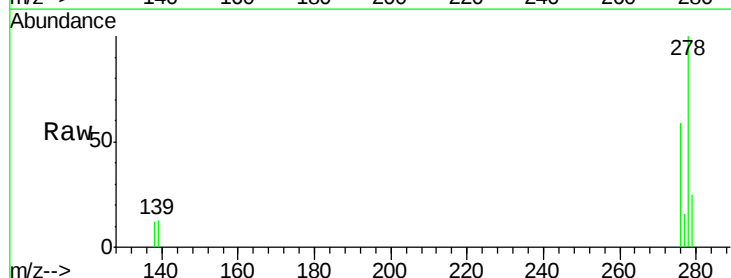
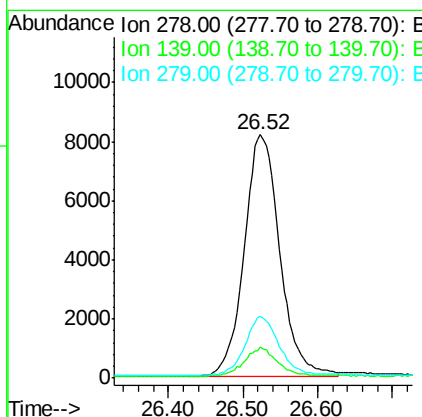
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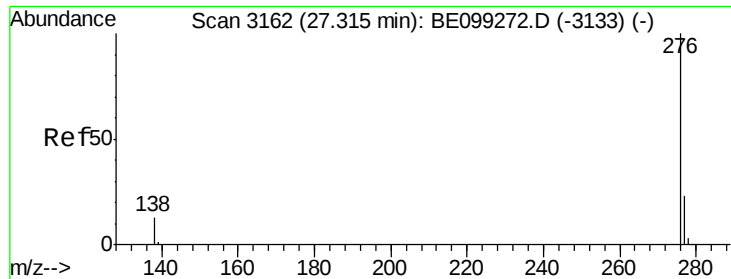
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.388 ng  
RT: 26.52 min Scan# 2940  
Delta R.T. -0.06 min  
Lab File: BE099295.D  
Acq: 4 Apr 2019 18:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.5  | 9.5   | 14.3  |
| 279     | 25.2  | 19.1  | 28.7  |





#39

Benzo(g,h,i)perylene

Concen: 0.399 ng

RT: 27.31 min Scan# 3160

Delta R.T. -0.07 min

Lab File: BE099295.D

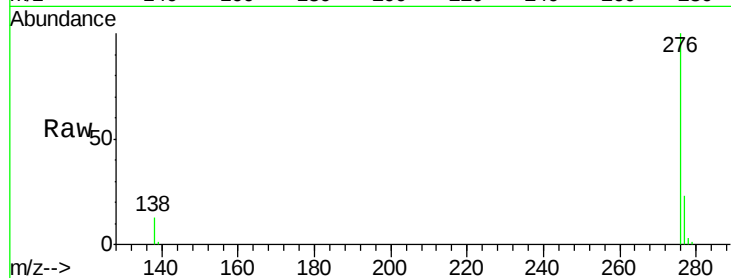
Acq: 4 Apr 2019 18:14

Instrument :

BNA\_E

ClientSampleId :

PB118607BSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 27813 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 22.7  | 19.0  | 28.4  |
| 138       | 13.5  | 11.1  | 16.7  |

Manual Integrations  
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