

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE043019\  
 Data File : BE099420.D  
 Acq On : 30 Apr 2019 11:20  
 Operator : JU/SJ  
 Sample : PB119261BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB119261BS

Manual Integrations  
 APPROVED

Sohil  
 5/1/2019 12:02:15 PM

Quant Time: May 01 00:36:44 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 2750     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 8950     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 5323     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 14338    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 17777    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.87 | 264  | 21605    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.39  | 112 | 2477  | 0.33 | ng | 0.00  |
| 5) Phenol-d6                | 6.98  | 99  | 3239  | 0.32 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 2643  | 0.32 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152 | 4155m | 0.26 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 835   | 0.25 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.07 | 172 | 7298  | 0.36 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 54642 | 0.28 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.81 | 244 | 12016 | 0.37 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 976   | 0.258 | ng | # 49   |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 636   | 0.279 | ng | # 96   |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 2678  | 0.307 | ng | 99     |
| 9) Naphthalene                 | 10.65 | 128 | 32948 | 0.338 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.93 | 225 | 2196  | 0.324 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 5426  | 0.320 | ng | 97     |
| 16) Acenaphthylene             | 14.18 | 152 | 8587  | 0.330 | ng | 98     |
| 17) Acenaphthene               | 14.51 | 154 | 5032  | 0.338 | ng | 98     |
| 18) Fluorene                   | 15.49 | 166 | 6914  | 0.315 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.38 | 248 | 2883  | 0.345 | ng | # 94   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 2848  | 0.358 | ng | 99     |
| 22) Pentachlorophenol          | 16.84 | 266 | 2025  | 0.639 | ng | 100    |
| 23) Phenanthrene               | 17.23 | 178 | 12901 | 0.349 | ng | 99     |
| 24) Anthracene                 | 17.32 | 178 | 12272 | 0.348 | ng | 99     |
| 26) Fluoranthene               | 19.25 | 202 | 18650 | 0.337 | ng | 99     |
| 28) Pyrene                     | 19.61 | 202 | 19431 | 0.419 | ng | 99     |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 24710 | 0.436 | ng | 97     |
| 31) Chrysene                   | 21.40 | 228 | 22761 | 0.411 | ng | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 31353 | 0.321 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.50 | 276 | 34450 | 0.526 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 24330 | 0.391 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 23.15 | 252 | 25072 | 0.417 | ng | 99     |
| 37) Benzo(a)pyrene             | 23.75 | 252 | 24401 | 0.414 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.53 | 278 | 29396 | 0.488 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 27.32 | 276 | 29513 | 0.489 | ng | 99     |

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

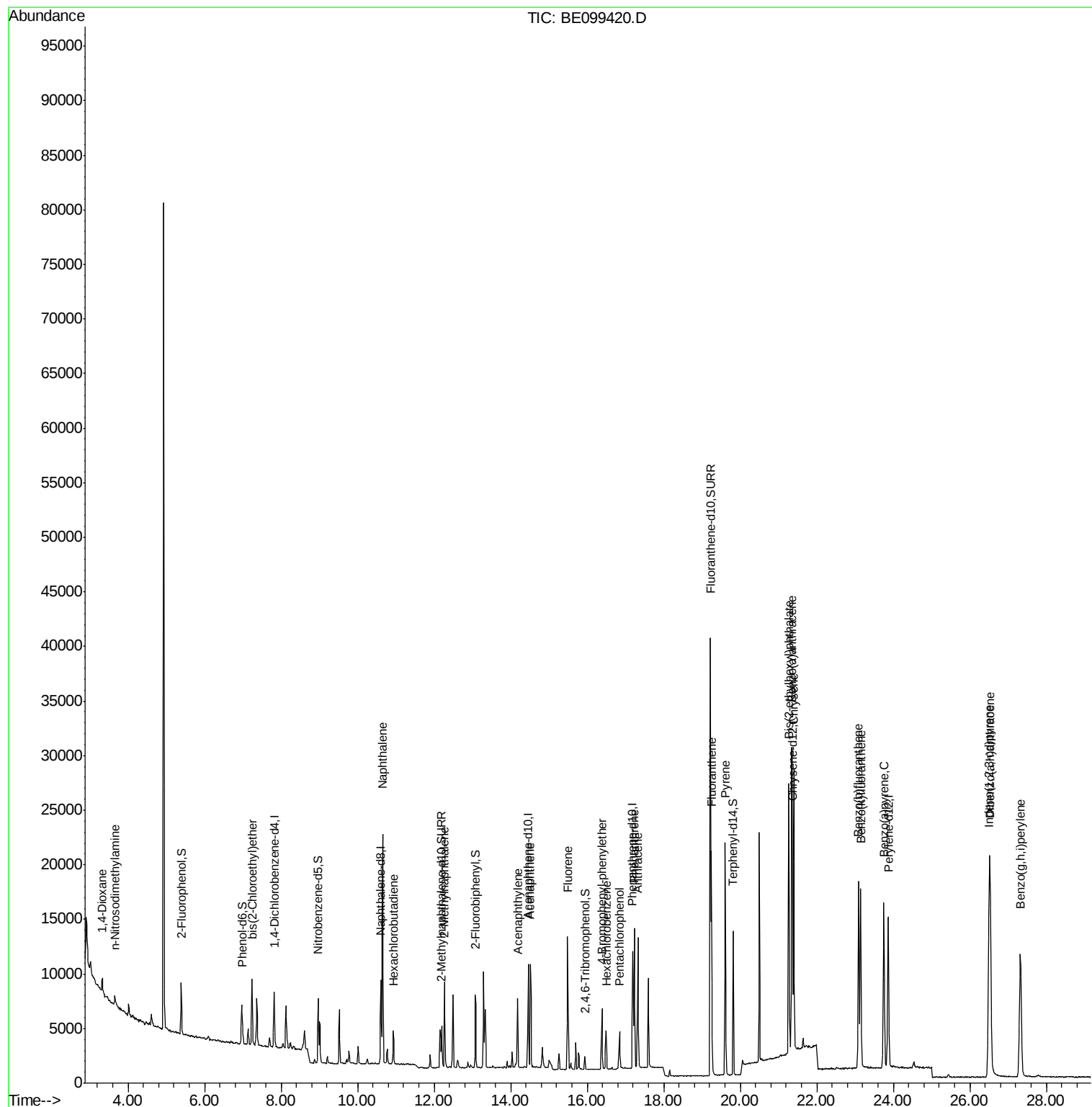
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE043019\  
Data File : BE099420.D  
Acq On : 30 Apr 2019 11:20  
Operator : JU/SJ  
Sample : PB119261BS  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

Manual Integrations  
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5/1/2019 12:02:15 PM

Quant Time: May 01 00:36:44 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 29 18:36:43 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

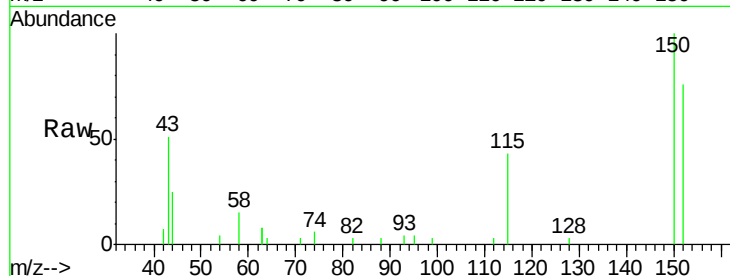
ClientSampleId :

PB119261BS

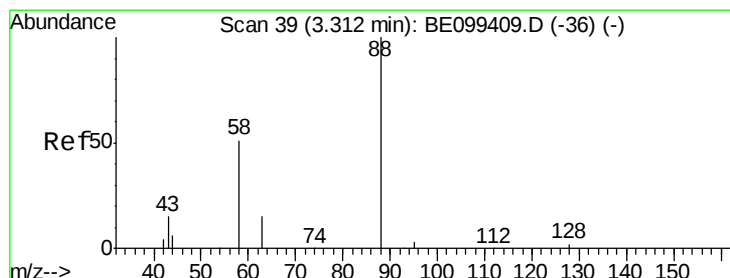
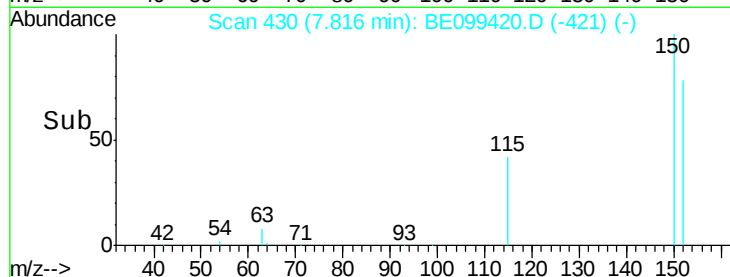
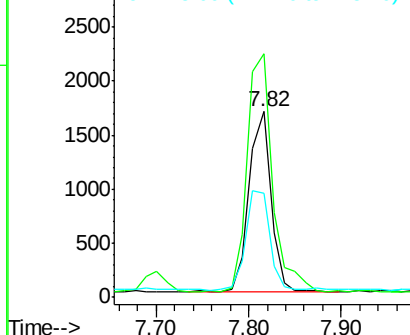
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 2750  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 131.3 | 104.8 | 157.2 |
| 115       | 56.2  | 46.6  | 69.8  |

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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: 0.258 ng

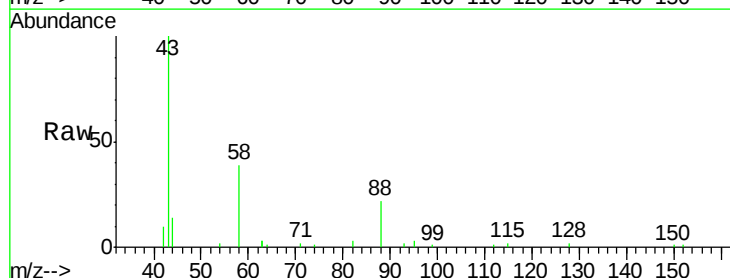
RT: 3.32 min Scan# 40

Delta R.T. 0.01 min

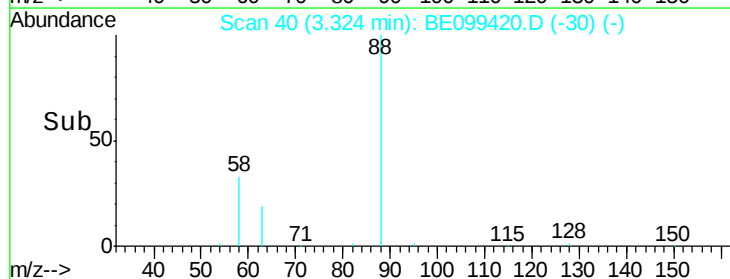
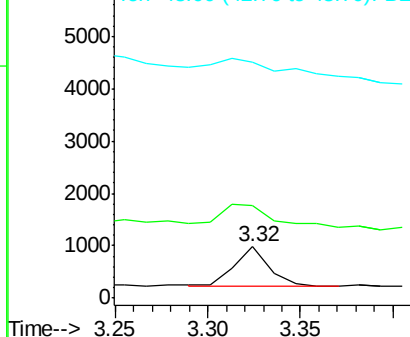
Lab File: BE099420.D

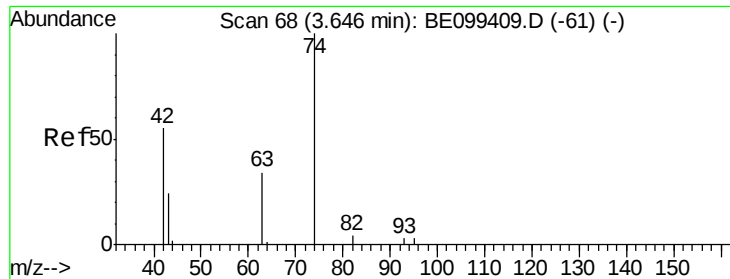
Acq: 30 Apr 2019 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 976   |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 88.5  | 51.0  | 76.6# |
| 43        | 76.1  | 20.6  | 30.8# |



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

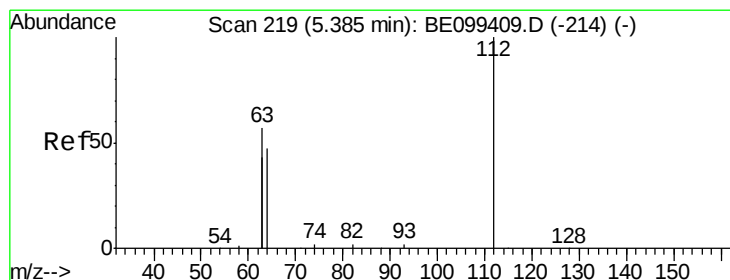
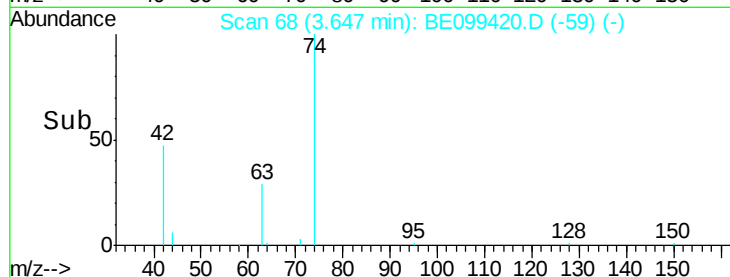
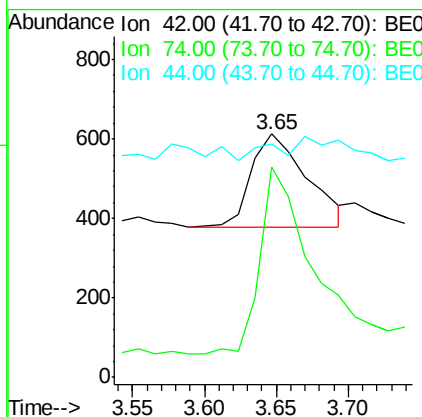
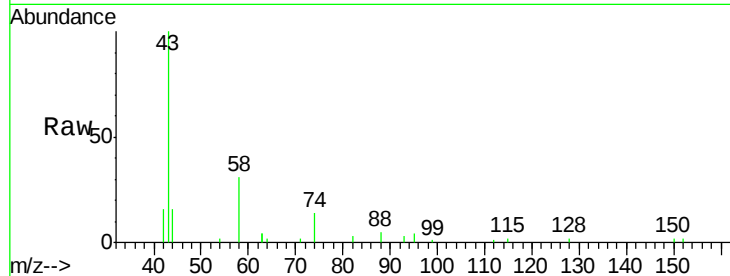
n-Nitrosodimethylamine  
Concen: 0.279 ng  
RT: 3.65 min Scan# 68  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 182.4 | 141.6 | 212.4 |
| 44      | 9.6   | 0.0   | 0.0#  |

Manual Integrations  
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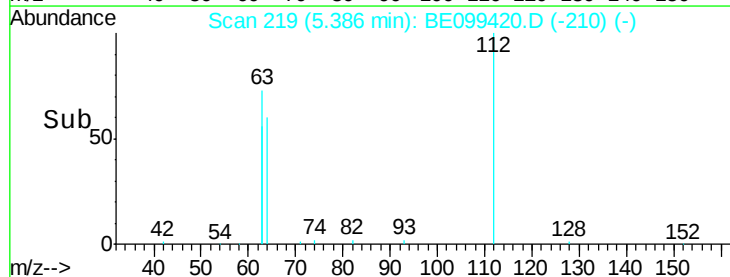
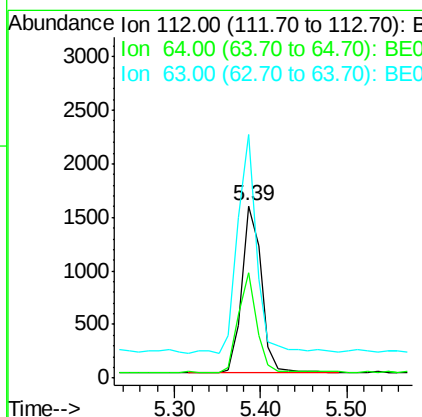
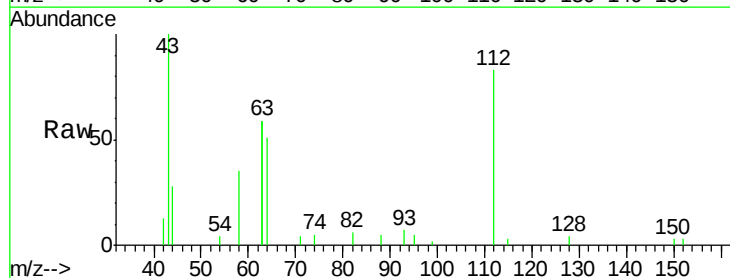
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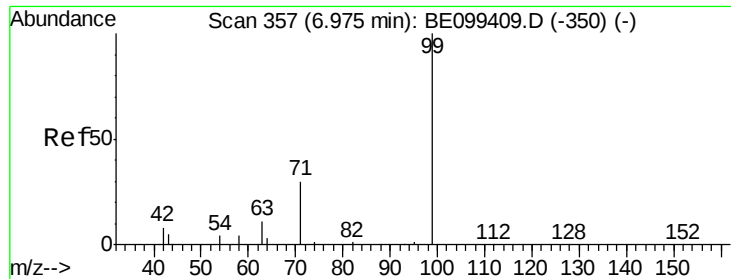


#4

2-Fluorophenol  
Concen: 0.326 ng  
RT: 5.39 min Scan# 219  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.3  | 47.4  | 71.0  |
| 63      | 126.2 | 104.3 | 156.5 |





#5

Phenol-d6

Concen: 0.320 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

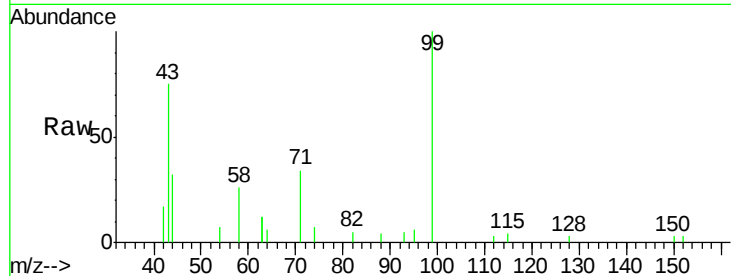
ClientSampleId :

PB119261BS

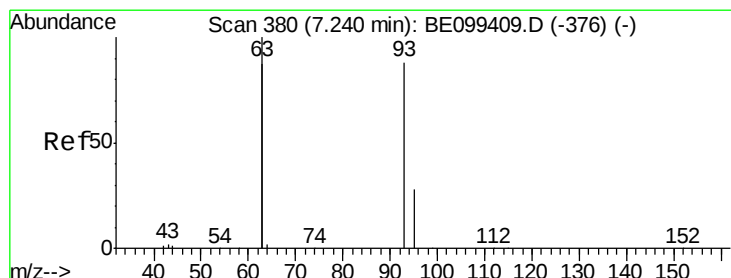
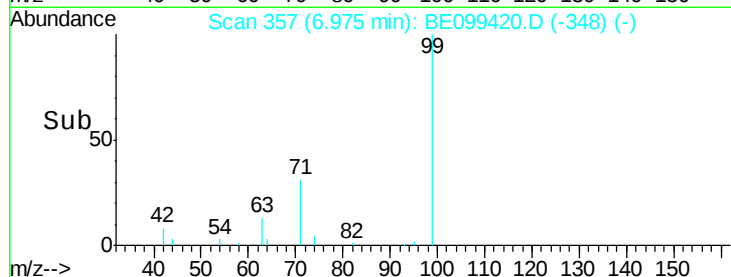
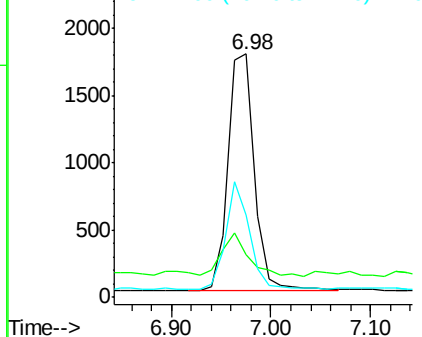
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 3239  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 17.9  | 14.9  | 22.3  |
| 71       | 40.4  | 33.0  | 49.6  |

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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.307 ng

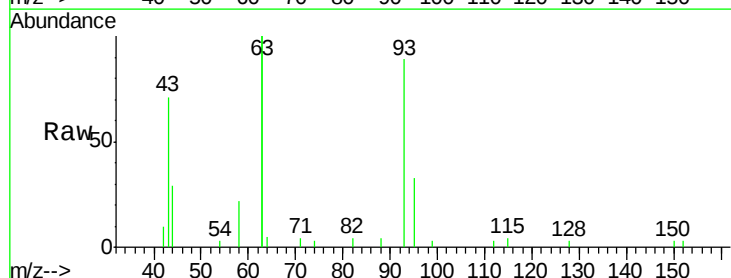
RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

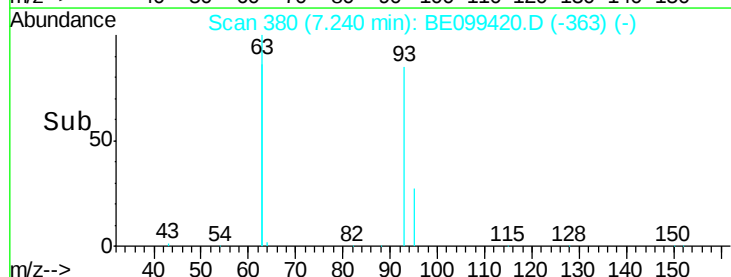
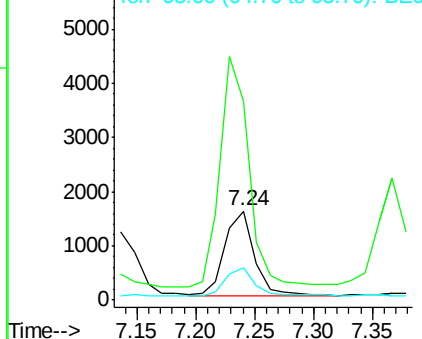
Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 2678  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 267.4 | 215.6 | 323.4 |
| 95       | 34.0  | 26.2  | 39.2  |



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

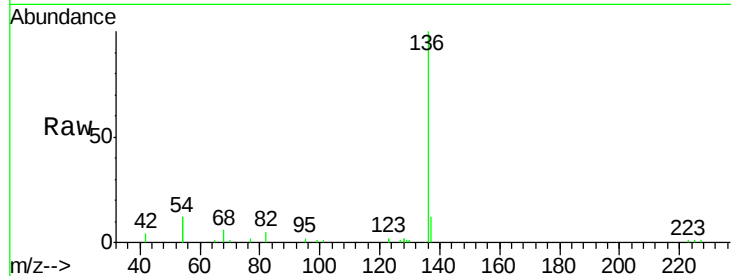
ClientSampleId :

PB119261BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 8950 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.6  | 9.8   | 14.8 |
| 54        | 24.7  | 18.5  | 27.7 |
| 68        | 6.1   | 4.7   | 7.1  |

Manual Integrations  
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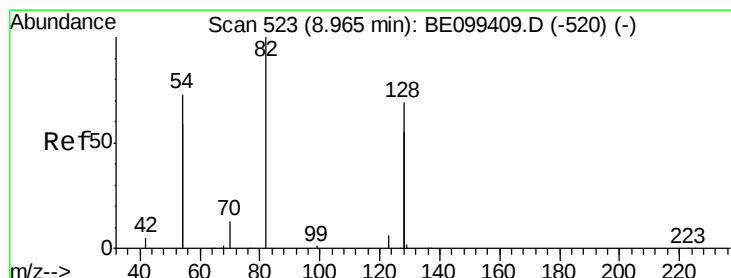
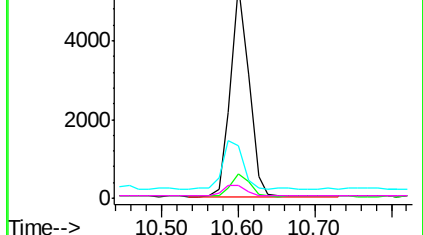
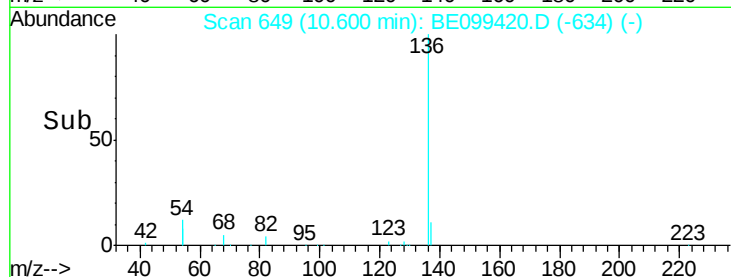


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.315 ng

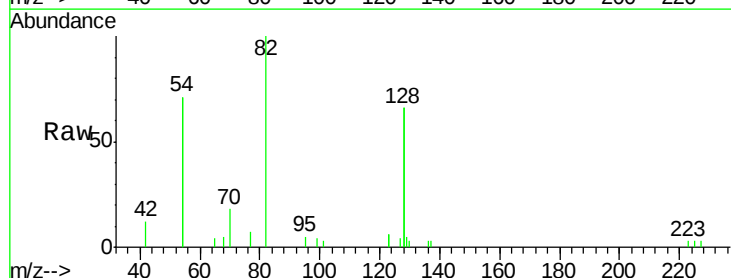
RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

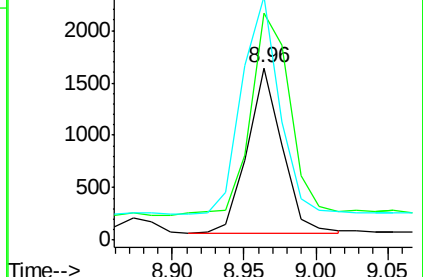
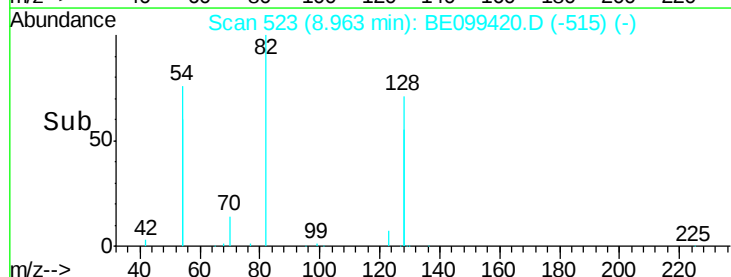
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 2643  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 132.3 | 107.0 | 160.4 |
| 54        | 141.5 | 113.1 | 169.7 |

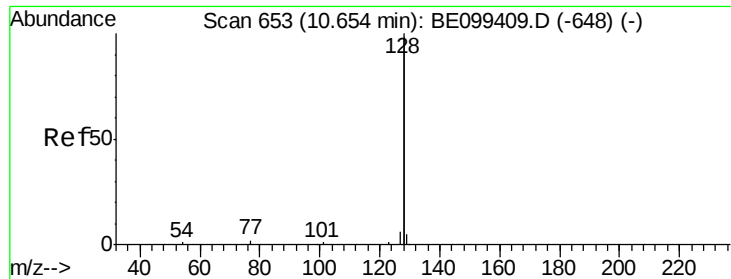


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.338 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

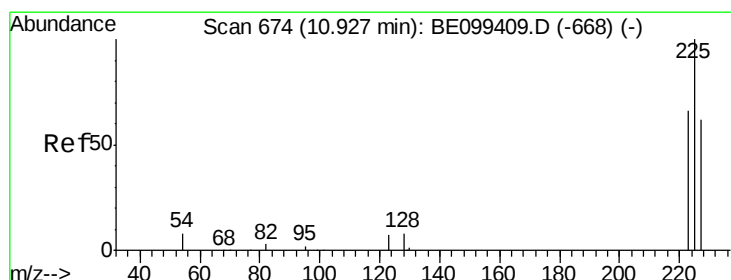
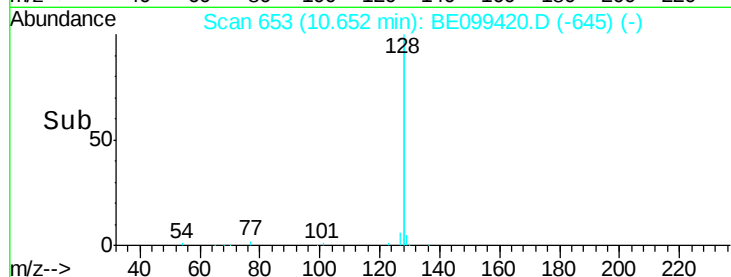
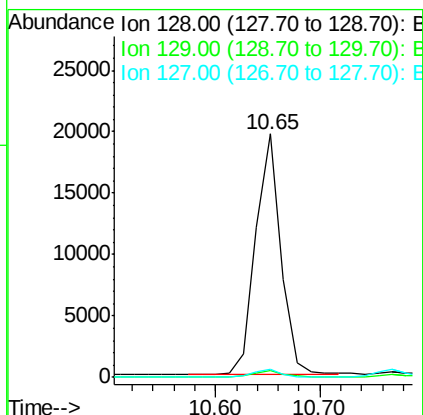
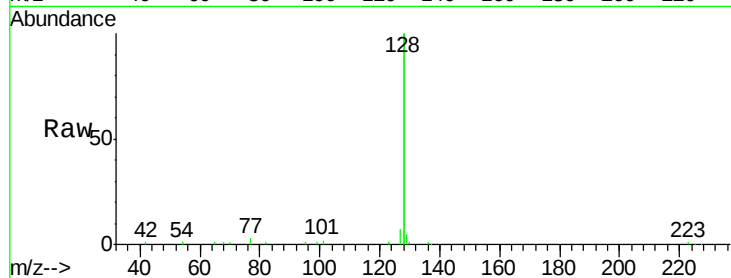
ClientSampled :

PB119261BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 32948 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 2.7   | 2.4   | 3.6   |
| 127       | 3.3   | 2.8   | 4.2   |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.324 ng

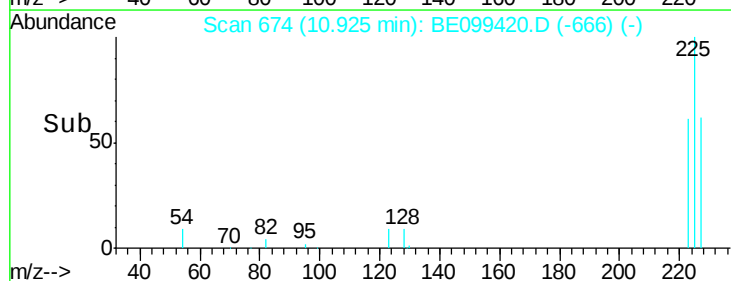
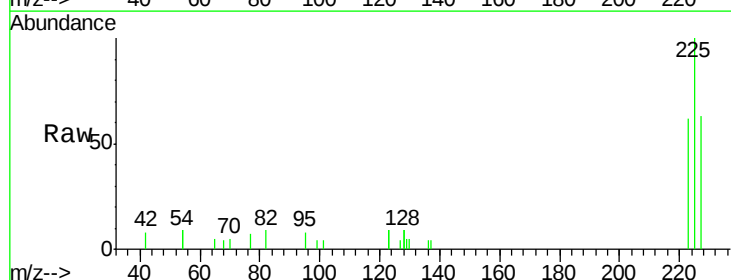
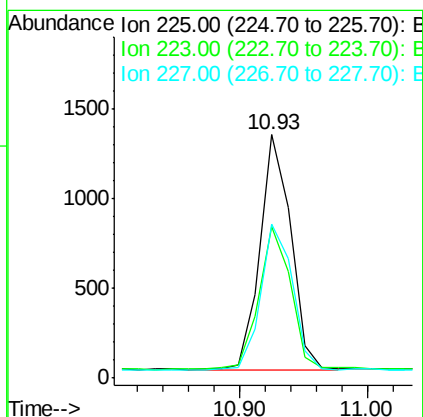
RT: 10.93 min Scan# 674

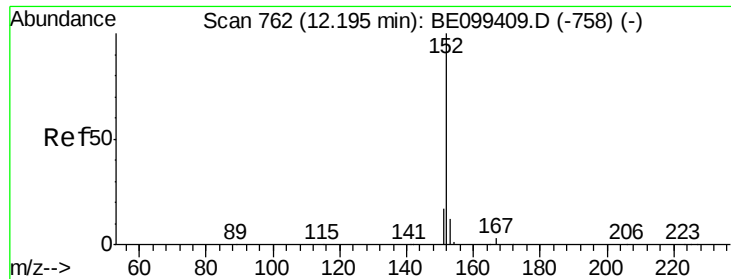
Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2196 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.9  | 51.0  | 76.6 |
| 227       | 63.4  | 50.9  | 76.3 |





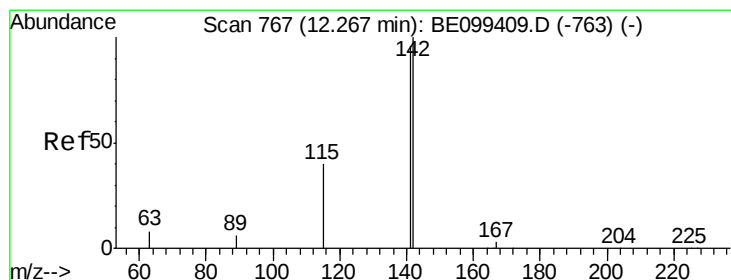
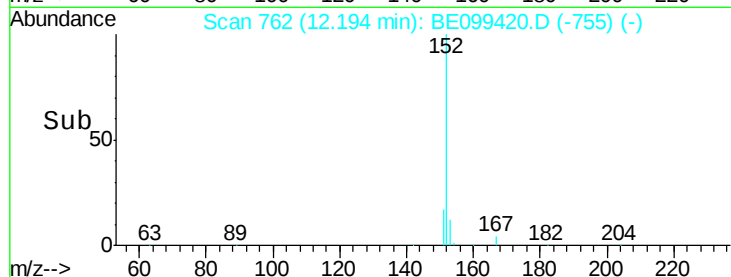
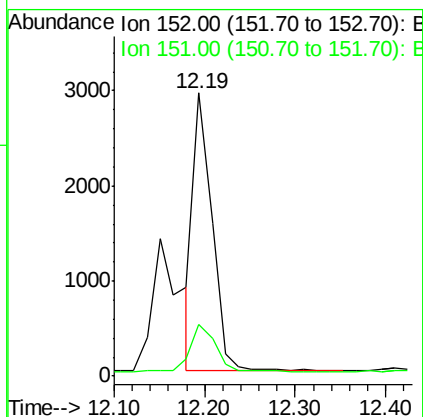
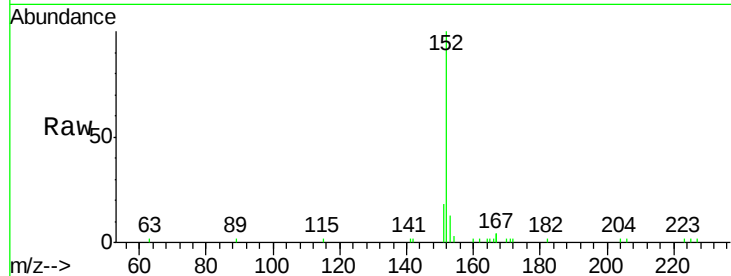
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.258 ng m  
 RT: 12.19 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB119261BS

Tgt Ion:152 Resp: 4155  
 Ion Ratio Lower Upper  
 152 100  
 151 22.8 15.5 23.3

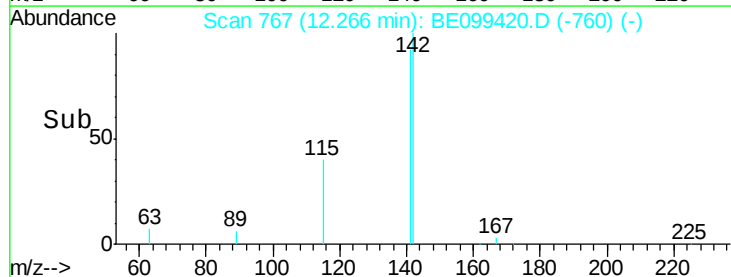
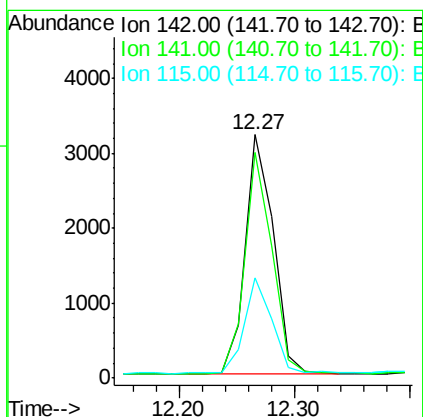
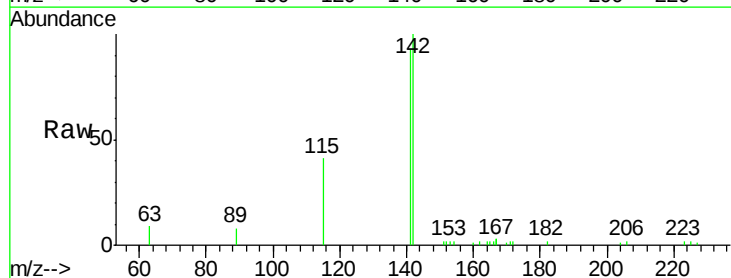
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#12  
 2-Methylnaphthalene  
 Concen: 0.320 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

Tgt Ion:142 Resp: 5426  
 Ion Ratio Lower Upper  
 142 100  
 141 92.6 77.0 115.4  
 115 41.0 33.4 50.0





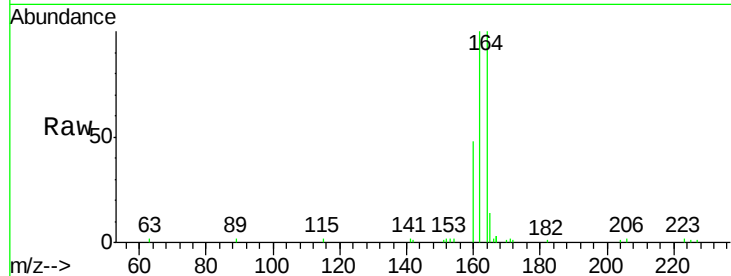
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampled :  
PB119261BS

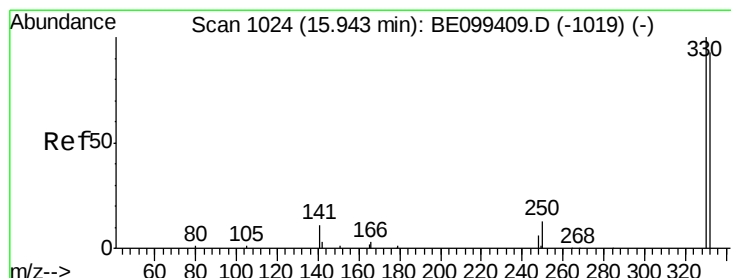
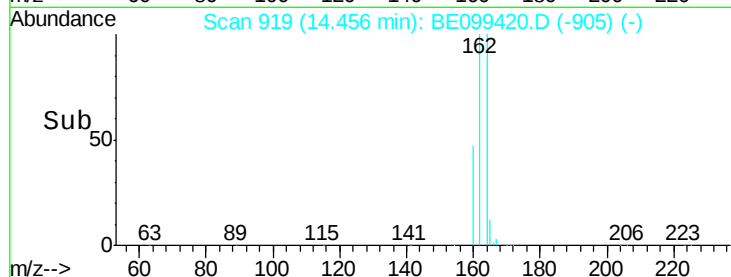
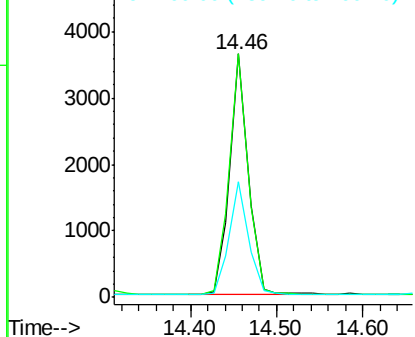
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.2 | 79.0  | 118.4 |
| 160     | 47.8  | 37.0  | 55.4  |

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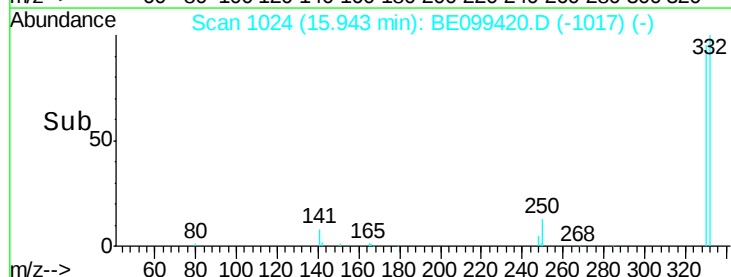
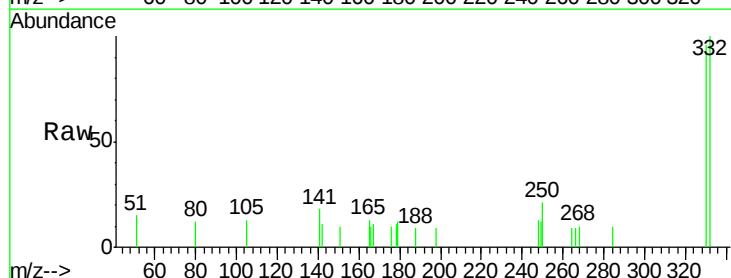
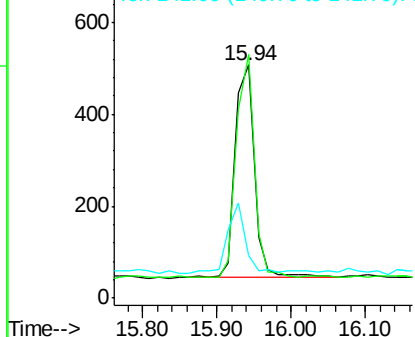
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

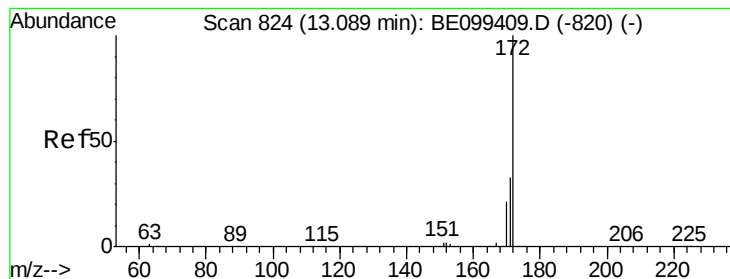


#14  
2,4,6-Tribromophenol  
Concen: 0.249 ng  
RT: 15.94 min Scan# 1024  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 71.5  | 107.3 |
| 141     | 32.6  | 24.0  | 36.0  |

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





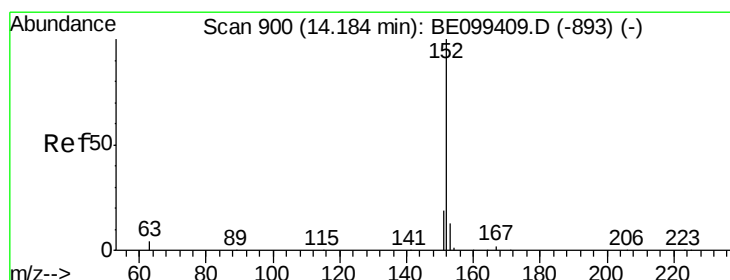
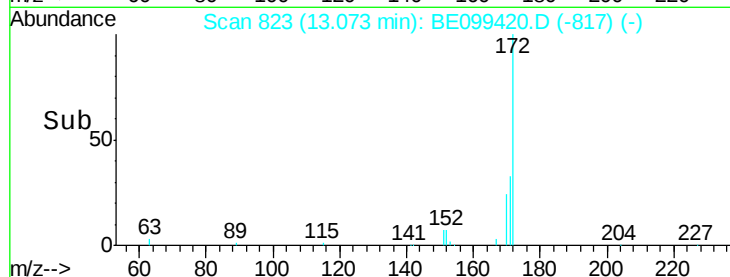
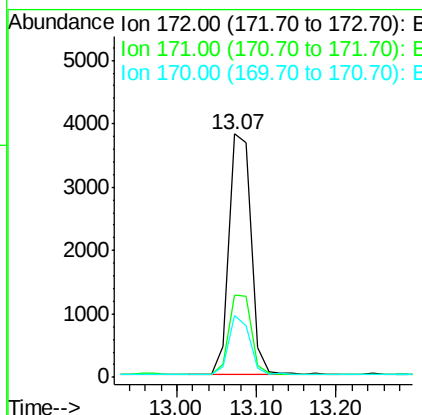
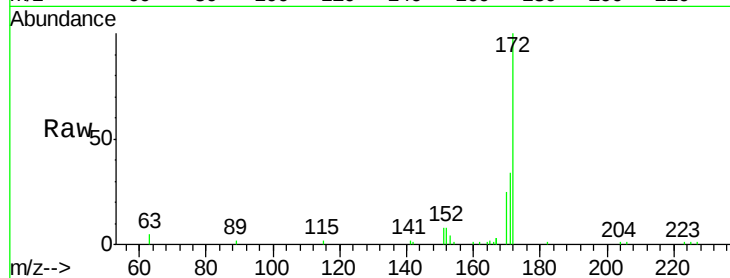
#15  
2-Fluorobiphenyl  
Concen: 0.359 ng  
RT: 13.07 min Scan# 823  
Delta R.T. -0.02 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.9  | 26.6  | 39.8  |
| 170     | 25.4  | 17.0  | 25.6  |

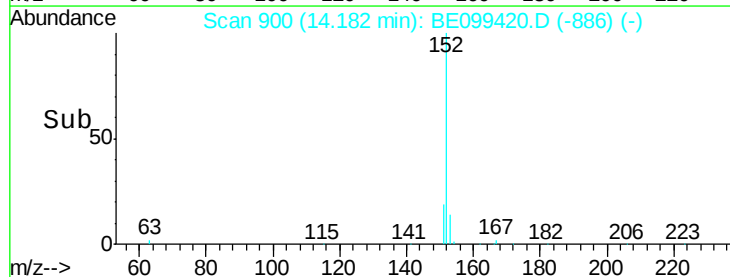
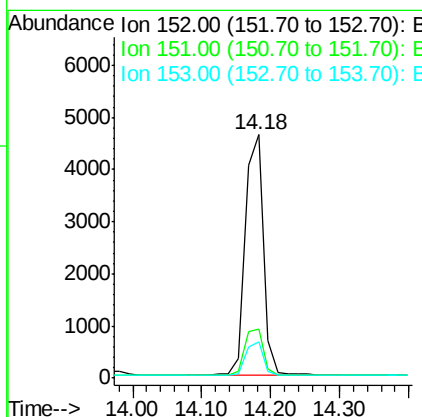
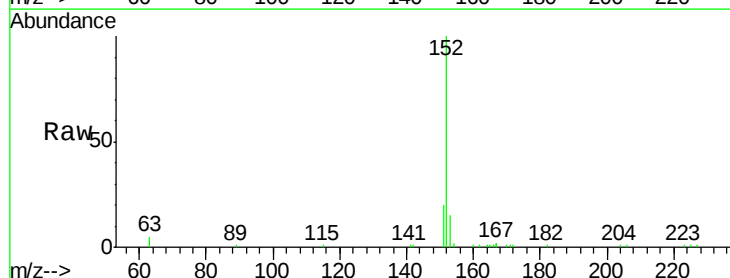
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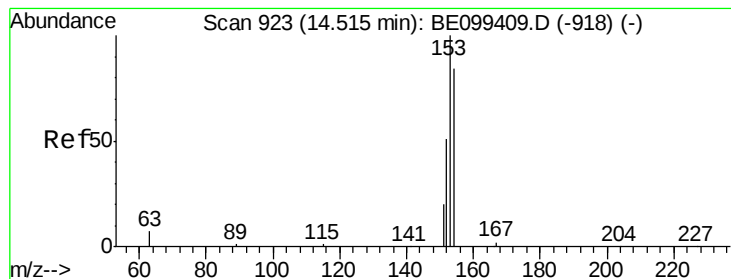
Sohil  
5/1/2019 12:02:15 PM



#16  
Acenaphthylene  
Concen: 0.330 ng  
RT: 14.18 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.4  | 23.2  |
| 153     | 13.3  | 9.8   | 14.6  |





#17

Acenaphthene

Concen: 0.338 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

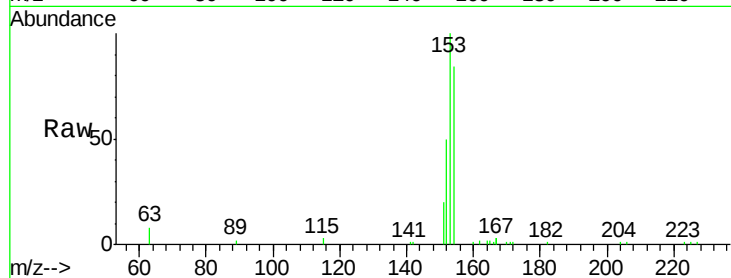
ClientSampled :

PB119261BS

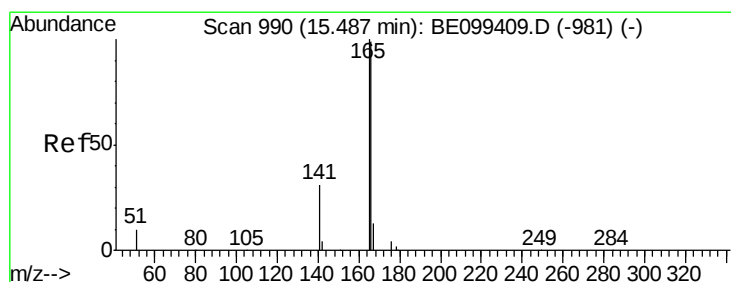
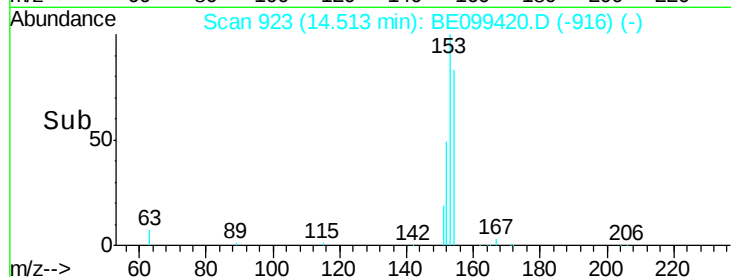
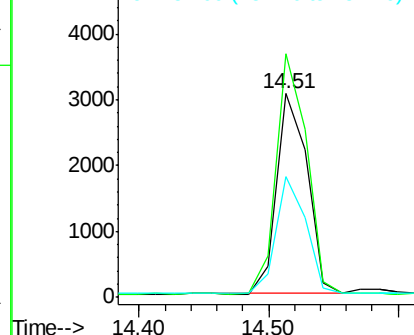
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 5032  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 118.5 | 92.6  | 138.8 |
| 152       | 57.7  | 45.8  | 68.8  |

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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: 0.315 ng

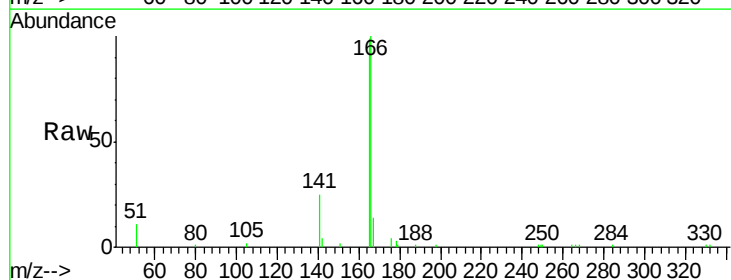
RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

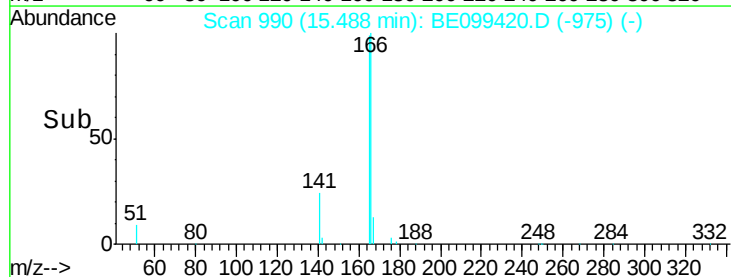
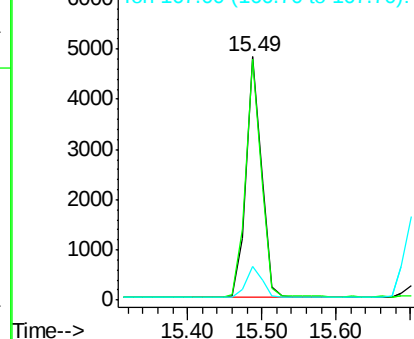
Lab File: BE099420.D

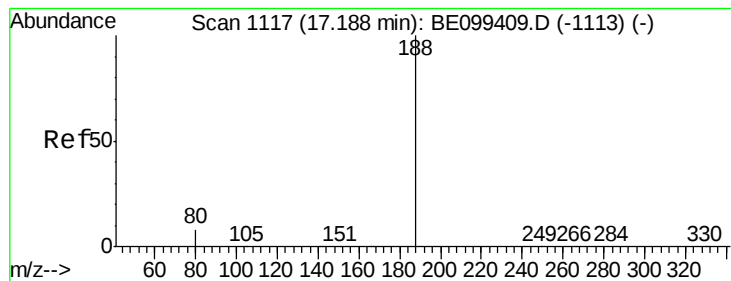
Acq: 30 Apr 2019 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 6914  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.2 | 80.3  | 120.5 |
| 167       | 13.8  | 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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

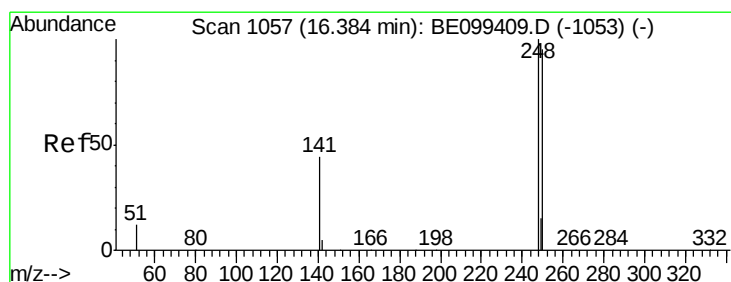
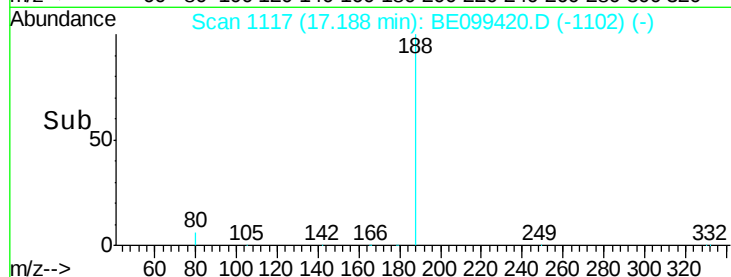
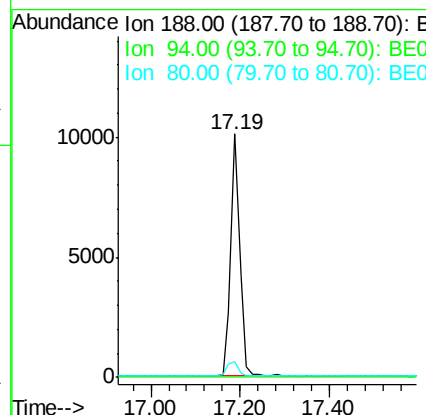
ClientSampled :

PB119261BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 14338 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 6.6   | 6.7   | 10.1# |

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#20

4-Bromophenyl-phenylether

Concen: 0.345 ng

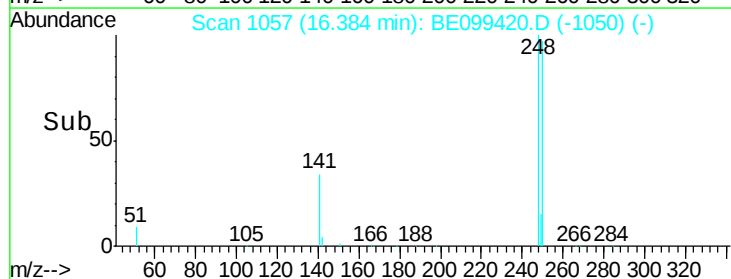
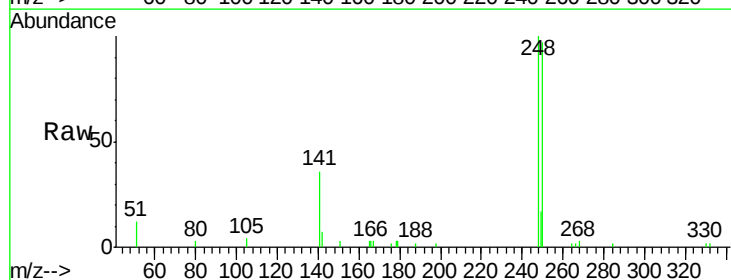
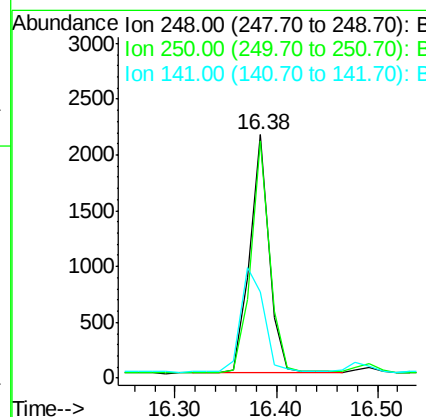
RT: 16.38 min Scan# 1057

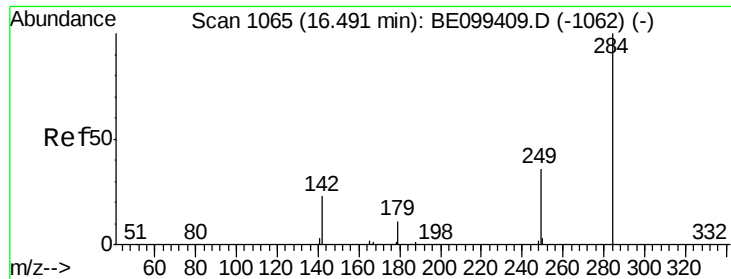
Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 2883  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 97.2  | 75.8  | 113.8 |
| 141       | 35.6  | 35.7  | 53.5# |





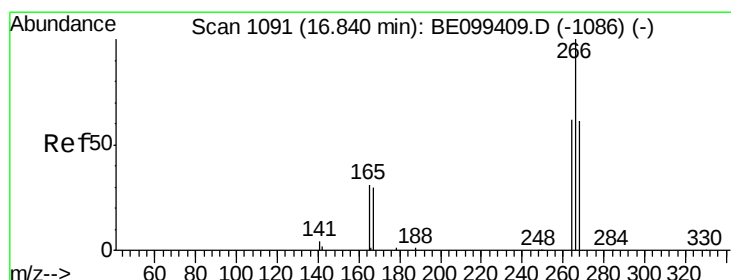
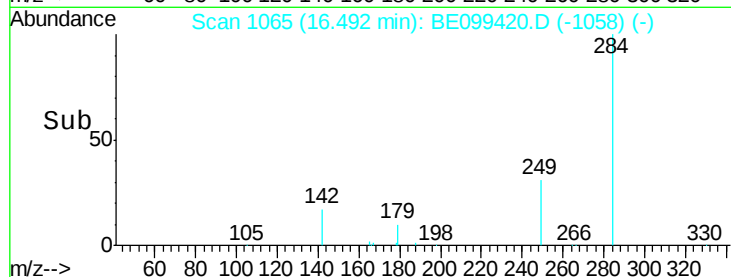
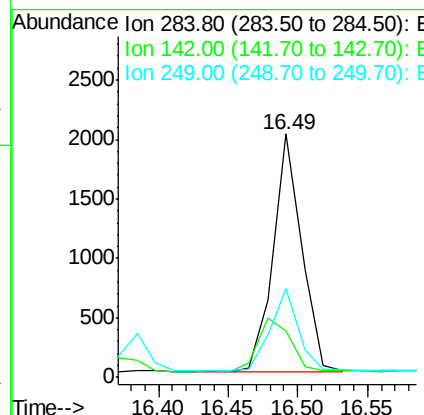
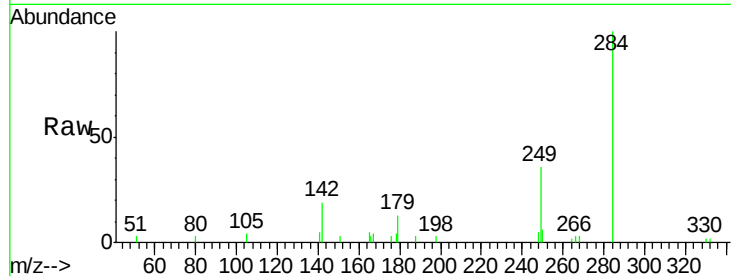
#21  
Hexachlorobenzene  
Concen: 0.358 ng  
RT: 16.49 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampled :  
PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 25.9  | 21.0  | 31.6  |
| 249     | 34.0  | 26.7  | 40.1  |

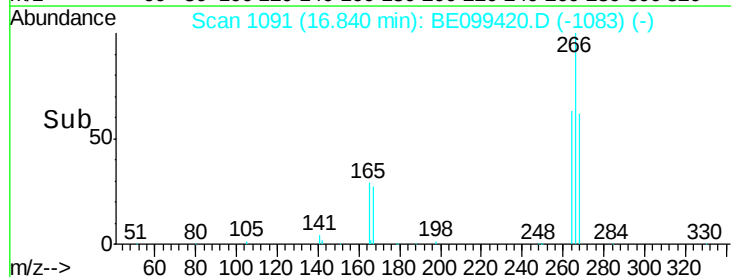
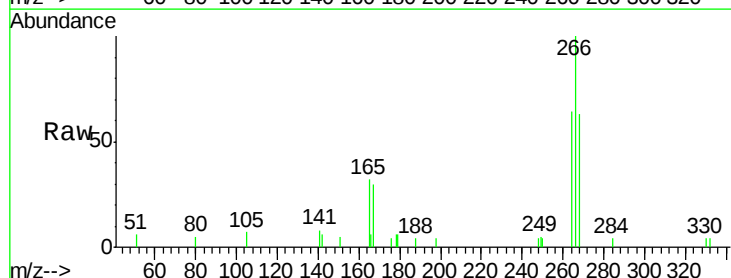
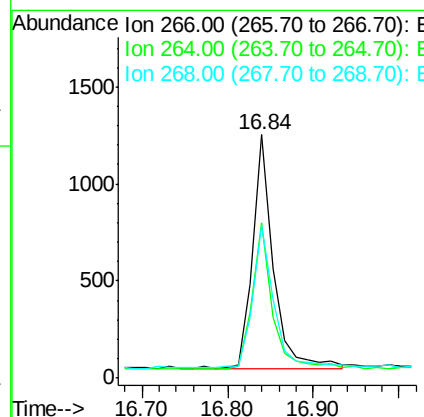
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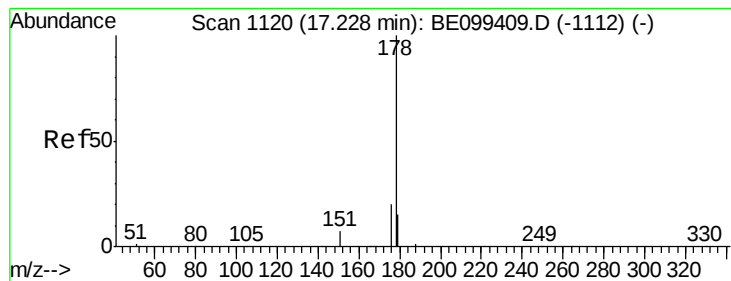
Sohil  
5/1/2019 12:02:15 PM



#22  
Pentachlorophenol  
Concen: 0.639 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.7  | 50.8  | 76.2  |
| 268     | 62.9  | 50.5  | 75.7  |





#23

Phenanthrene

Concen: 0.349 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

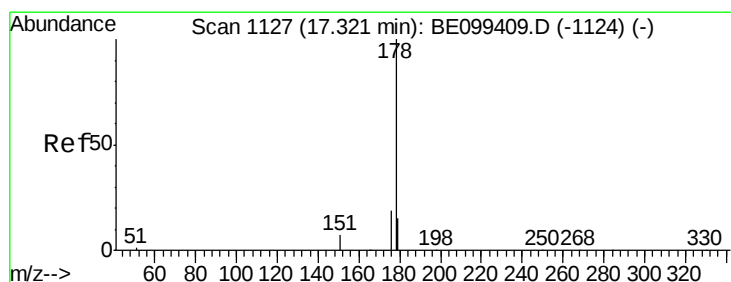
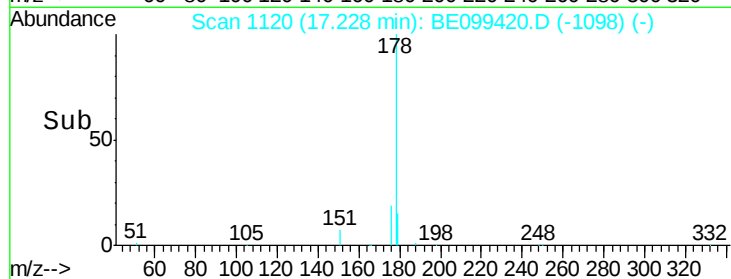
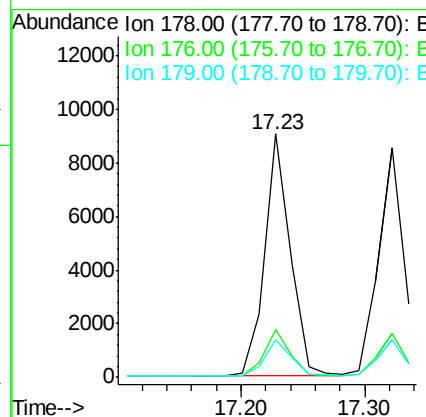
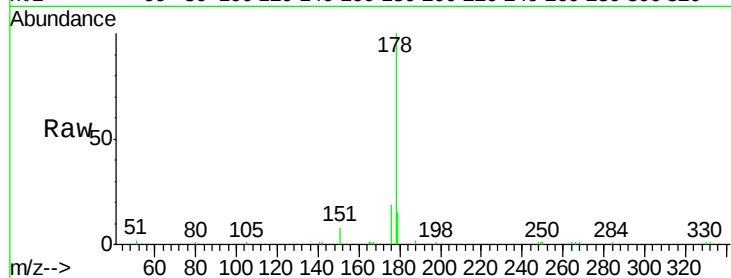
ClientSampleId :

PB119261BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 12901 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.8  | 15.6  | 23.4  |
| 179       | 15.3  | 12.0  | 18.0  |

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#24

Anthracene

Concen: 0.348 ng

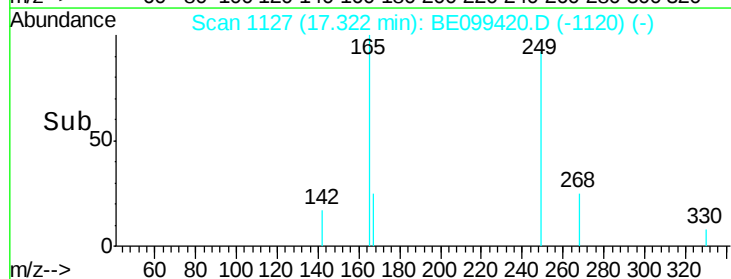
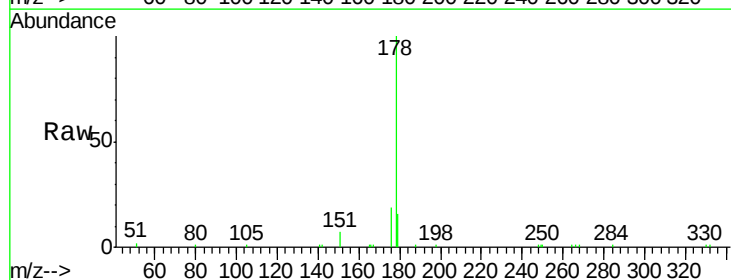
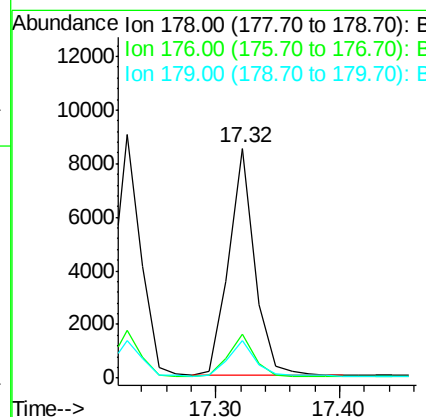
RT: 17.32 min Scan# 1127

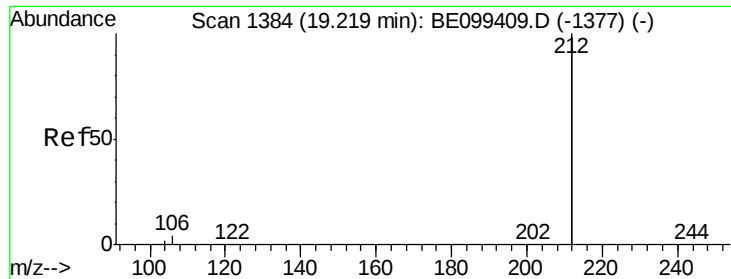
Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 12272 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.8  | 14.9  | 22.3  |
| 179       | 15.9  | 11.9  | 17.9  |





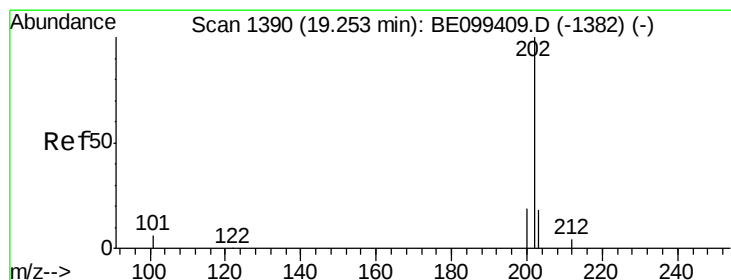
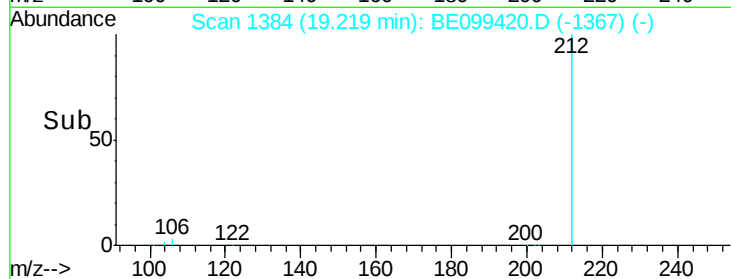
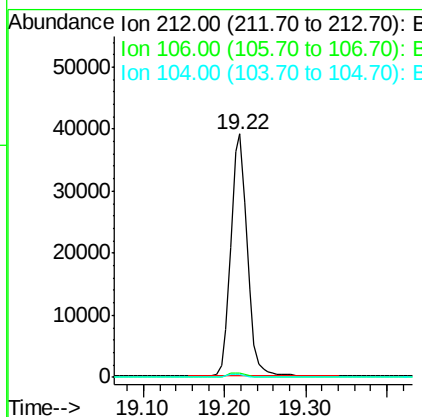
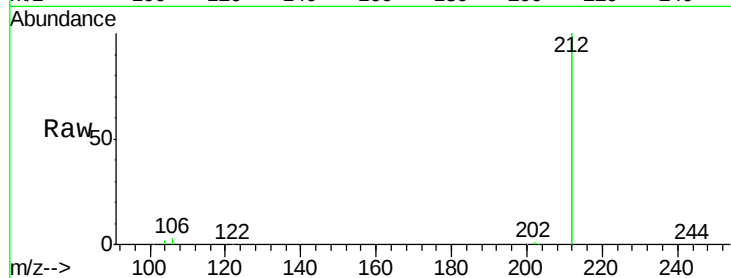
#25  
 Fluoranthene-d10  
 Concen: 0.283 ng  
 RT: 19.22 min Scan# 1384  
 Delta R.T. 0.00 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

Instrument :  
 BNA\_E  
 ClientSampled :  
 PB119261BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 212     | 100   | 54642 |       |       |
| 106     | 1.9   |       | 1.5   | 2.3   |
| 104     | 1.1   |       | 0.9   | 1.3   |

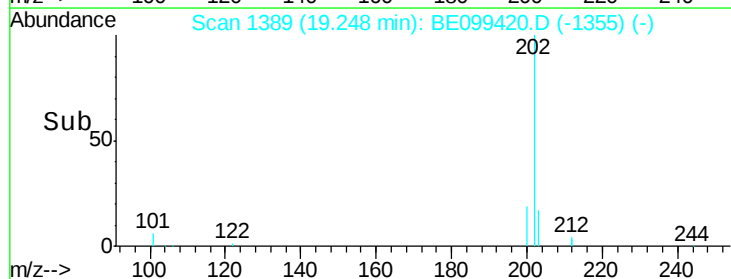
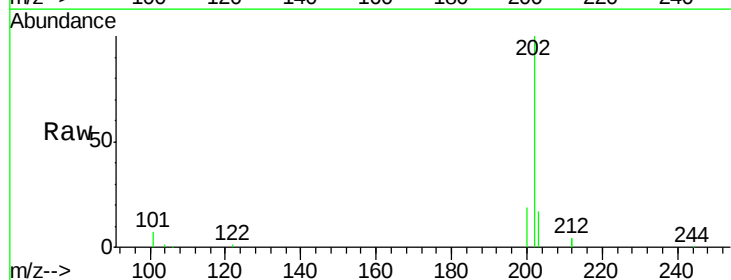
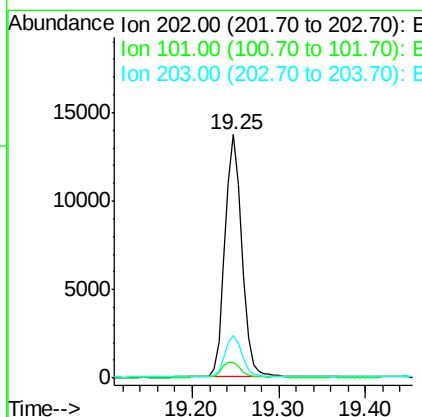
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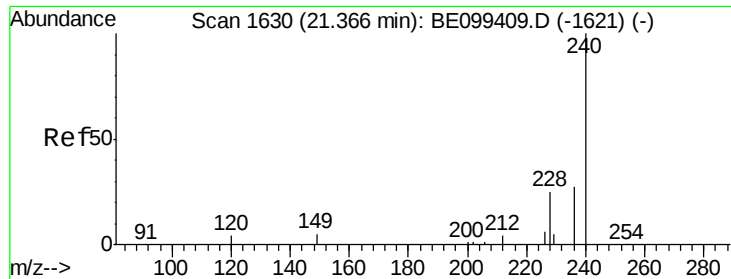
Sohil  
 5/1/2019 12:02:15 PM



#26  
 Fluoranthene  
 Concen: 0.337 ng  
 RT: 19.25 min Scan# 1389  
 Delta R.T. -0.01 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 18650 |       |       |
| 101     | 6.9   |       | 5.4   | 8.0   |
| 203     | 17.1  |       | 13.9  | 20.9  |





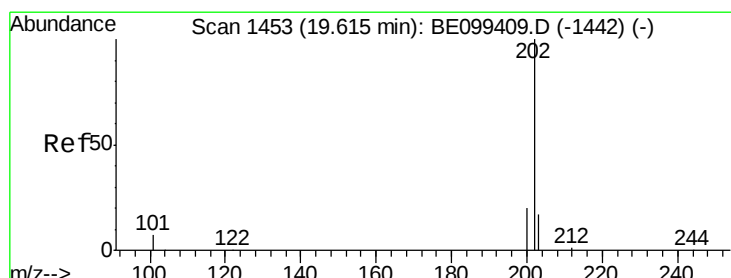
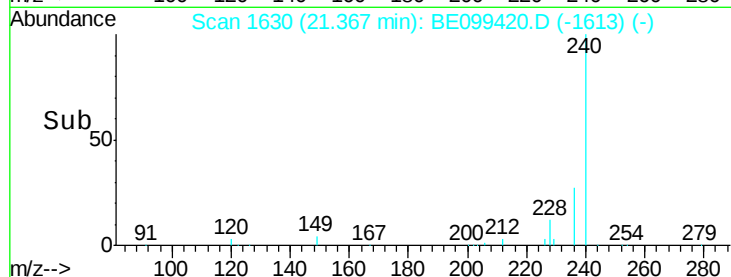
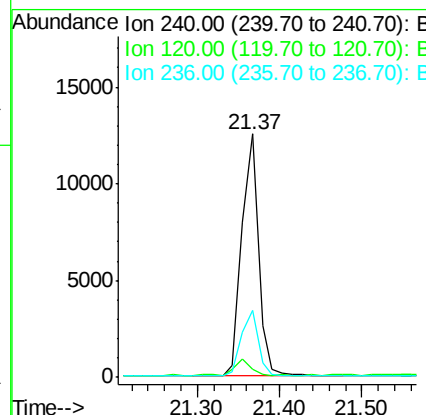
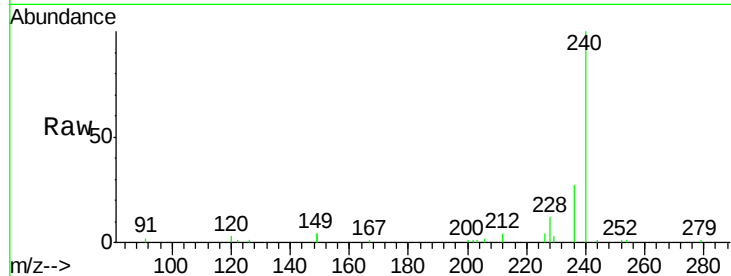
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

Tgt Ion: 240 Resp: 17777  
Ion Ratio Lower Upper  
240 100  
120 3.5 4.0 6.0#  
236 27.4 22.0 33.0

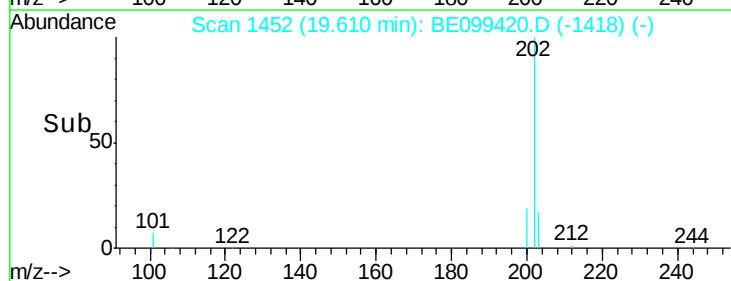
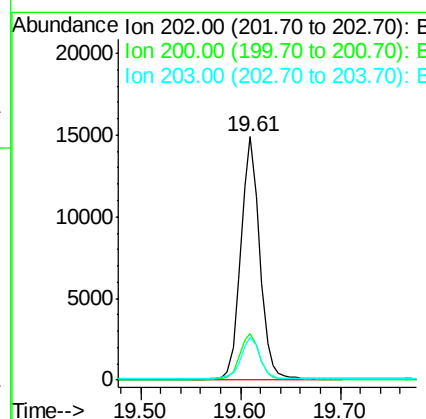
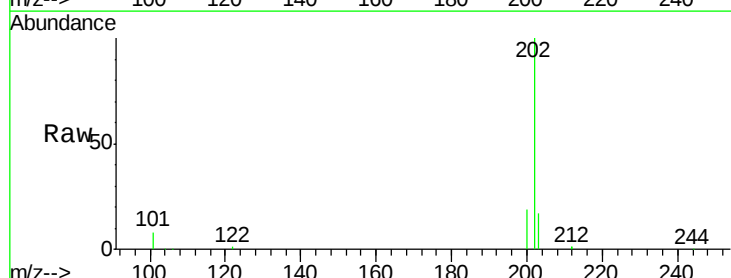
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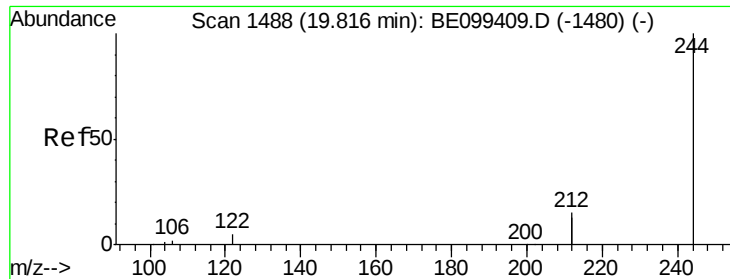
Sohil  
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#28  
Pyrene  
Concen: 0.419 ng  
RT: 19.61 min Scan# 1452  
Delta R.T. -0.01 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Tgt Ion: 202 Resp: 19431  
Ion Ratio Lower Upper  
202 100  
200 19.4 15.7 23.5  
203 18.0 13.9 20.9





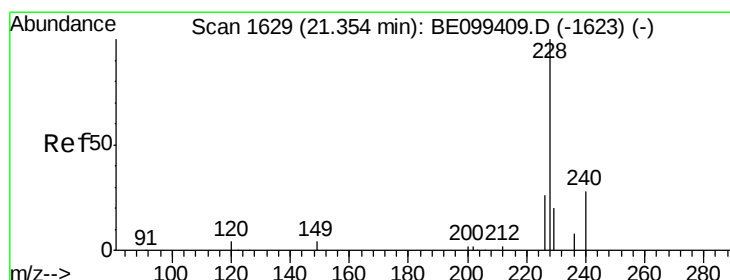
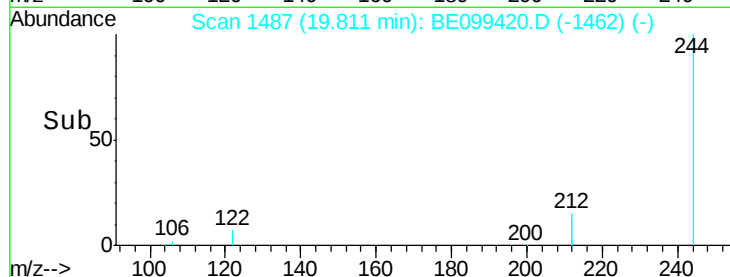
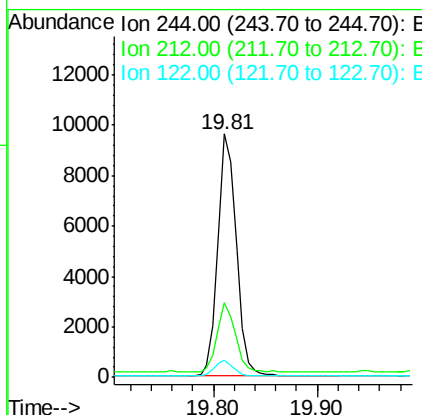
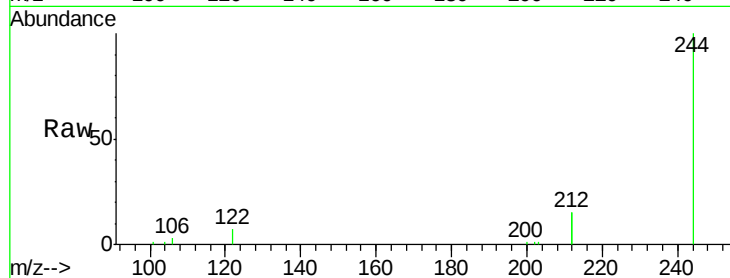
#29  
 Terphenyl-d14  
 Concen: 0.369 ng  
 RT: 19.81 min Scan# 1487  
 Delta R.T. -0.01 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 30.5  | 23.2  | 34.8  |
| 122     | 7.0   | 4.2   | 6.4   |

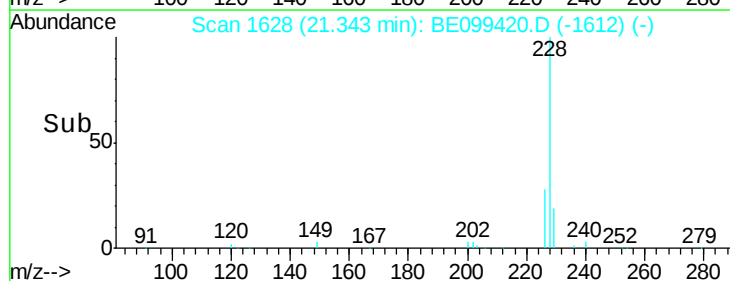
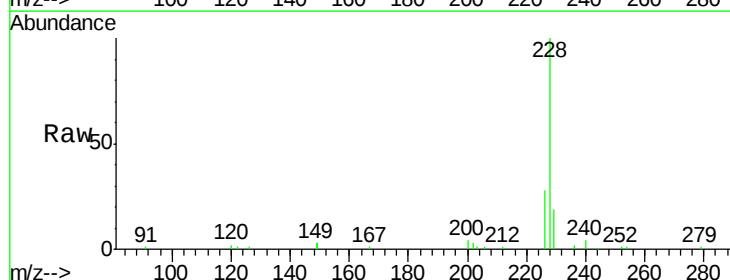
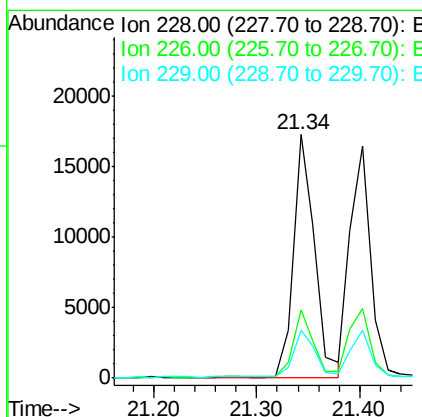
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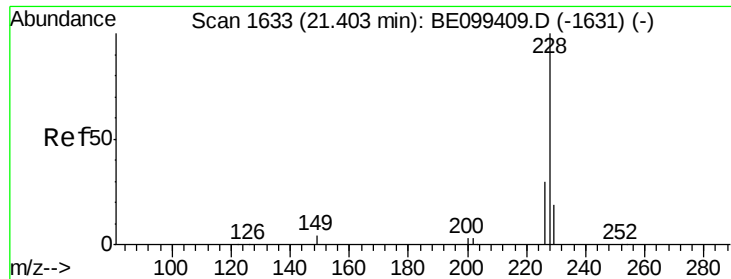
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#30  
 Benzo(a)anthracene  
 Concen: 0.436 ng  
 RT: 21.34 min Scan# 1628  
 Delta R.T. -0.01 min  
 Lab File: BE099420.D  
 Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 21.0  | 31.6  |
| 229     | 19.5  | 16.6  | 25.0  |





#31

Chrysene

Concen: 0.411 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

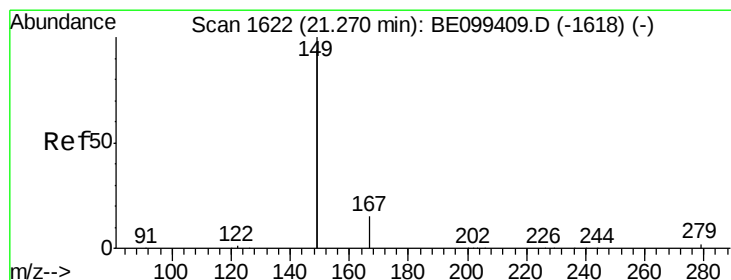
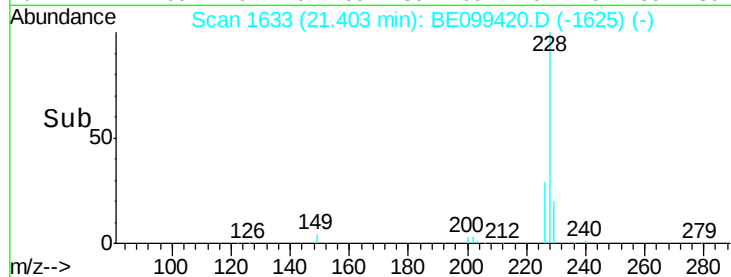
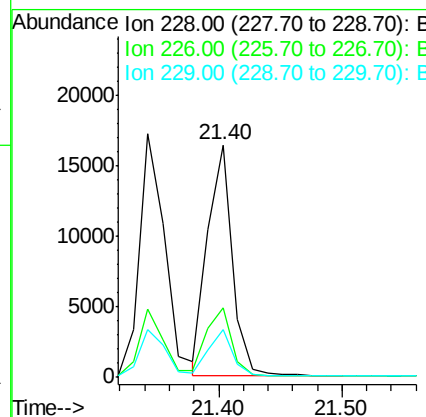
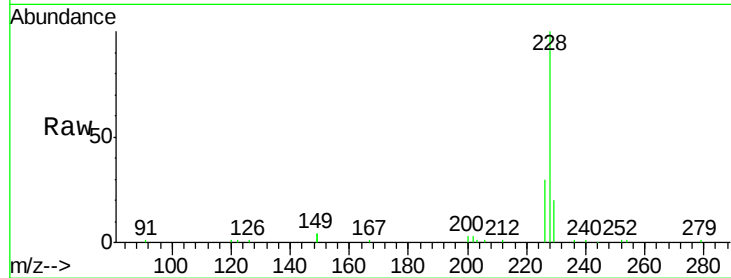
ClientSampleId :

PB119261BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 22761 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.7  | 24.0  | 36.0  |
| 229       | 20.3  | 15.8  | 23.8  |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.321 ng

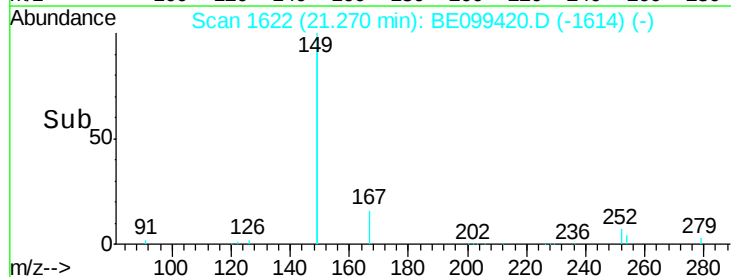
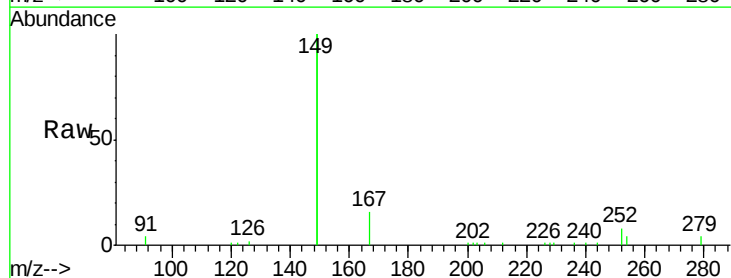
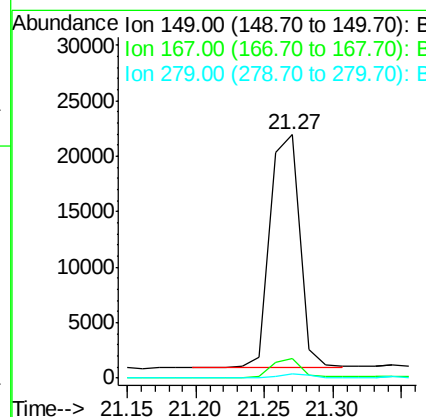
RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 31353 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.6   | 5.8   | 8.6   |
| 279       | 1.5   | 1.0   | 1.6   |





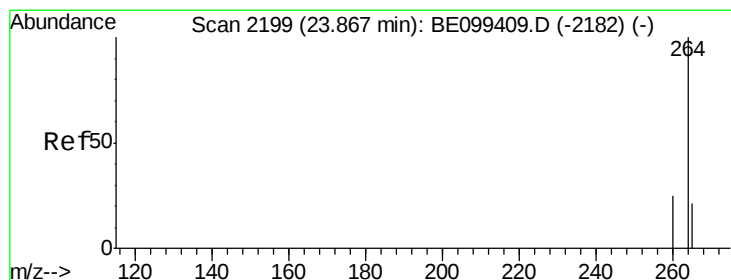
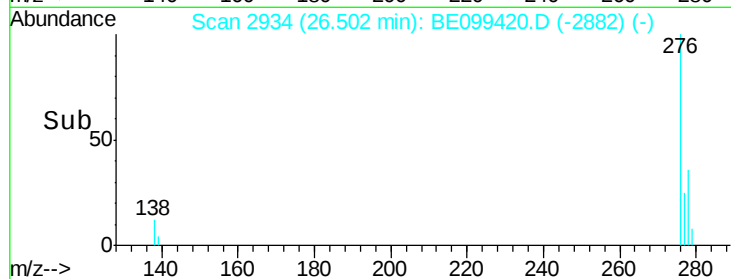
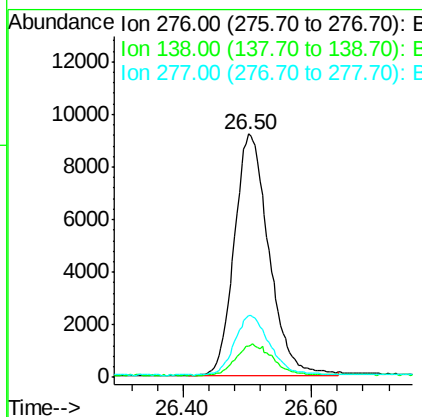
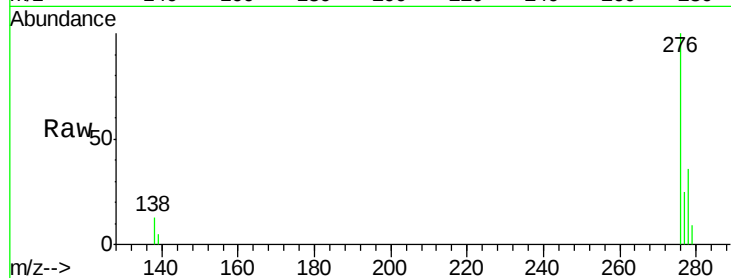
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.526 ng  
RT: 26.50 min Scan# 2934  
Delta R.T. -0.01 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 276     | 100   | 34450 |       |       |
| 138     | 13.3  | 10.2  | 15.2  |       |
| 277     | 24.9  | 19.2  | 28.8  |       |

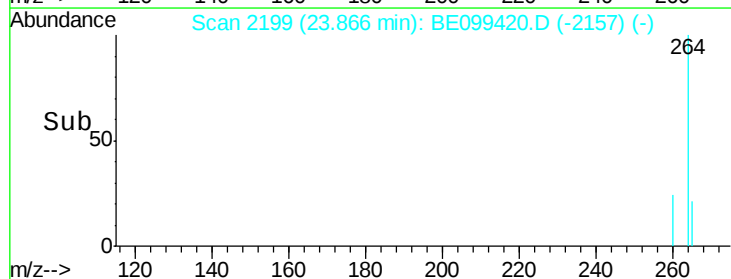
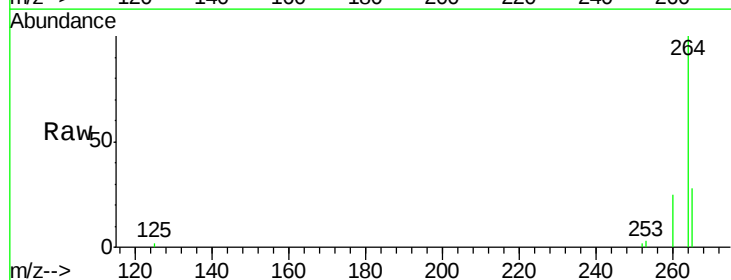
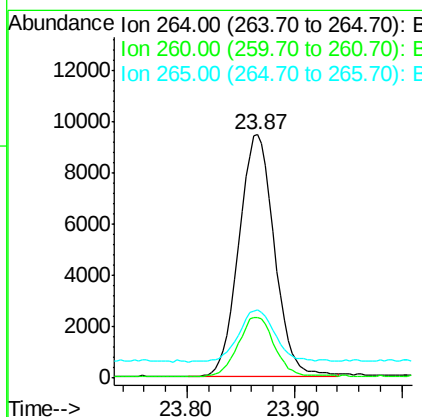
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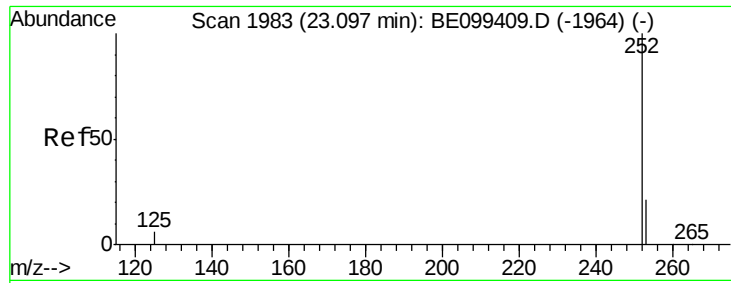
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#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.87 min Scan# 2199  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 264     | 100   | 21605 |       |       |
| 260     | 25.0  | 20.2  | 30.2  |       |
| 265     | 27.9  | 21.3  | 31.9  |       |





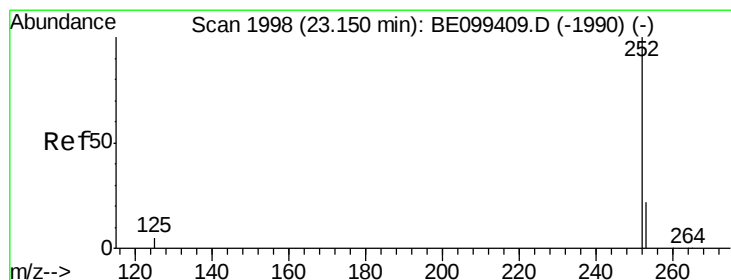
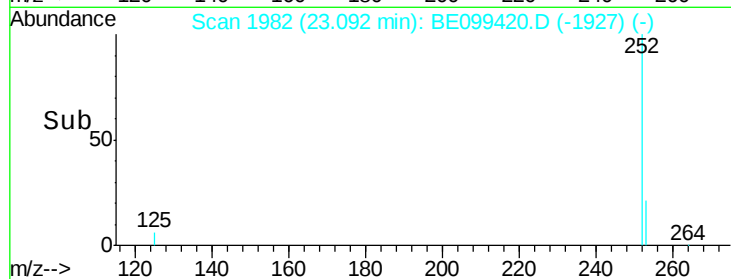
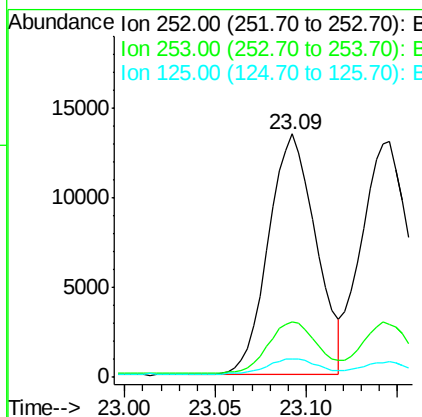
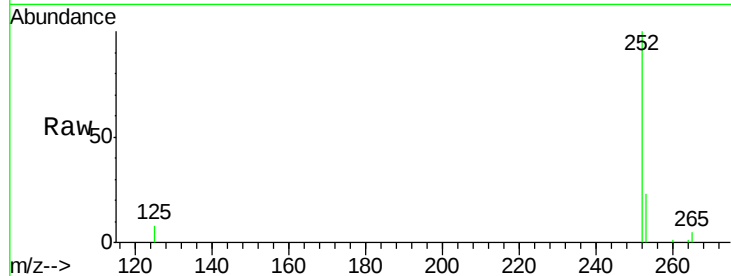
#35  
Benzo(b)fluoranthene  
Concen: 0.391 ng  
RT: 23.09 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.1  | 27.1  |
| 125     | 7.7   | 5.6   | 8.4   |

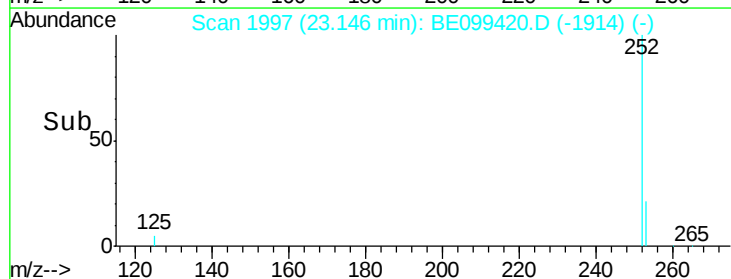
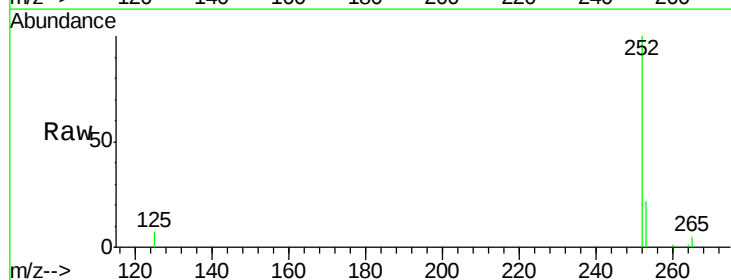
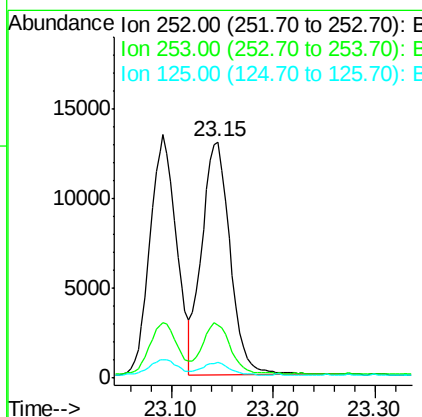
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#36  
Benzo(k)fluoranthene  
Concen: 0.417 ng  
RT: 23.15 min Scan# 1997  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.4  | 27.6  |
| 125     | 6.6   | 5.0   | 7.4   |





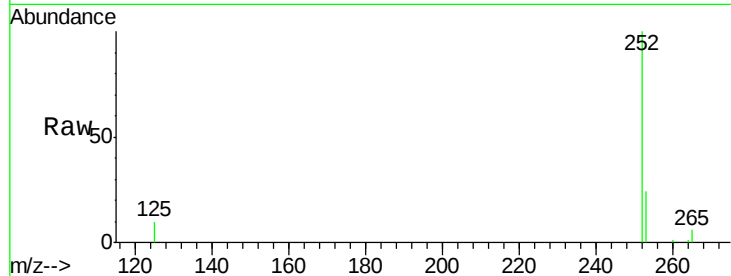
#37  
Benzo(a)pyrene  
Concen: 0.414 ng  
RT: 23.75 min Scan# 2167  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

Instrument :  
BNA\_E  
ClientSampleId :  
PB119261BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 18.9  | 28.3  |
| 125     | 9.5   | 6.7   | 10.1  |

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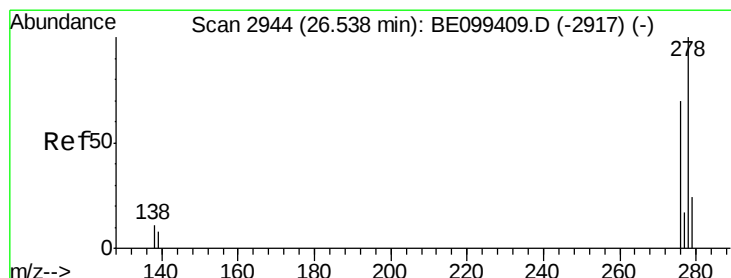
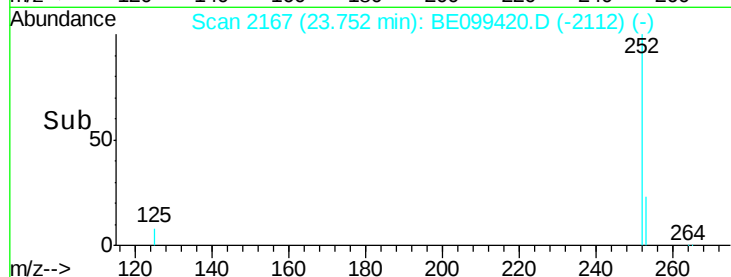
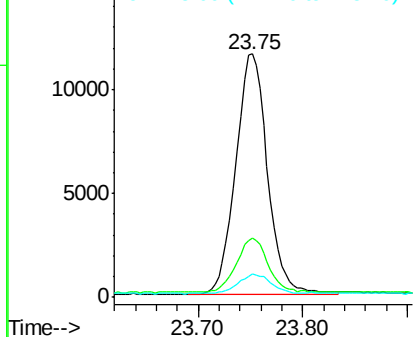


Abundance

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: 0.488 ng  
RT: 26.53 min Scan# 2943  
Delta R.T. -0.00 min  
Lab File: BE099420.D  
Acq: 30 Apr 2019 11:20

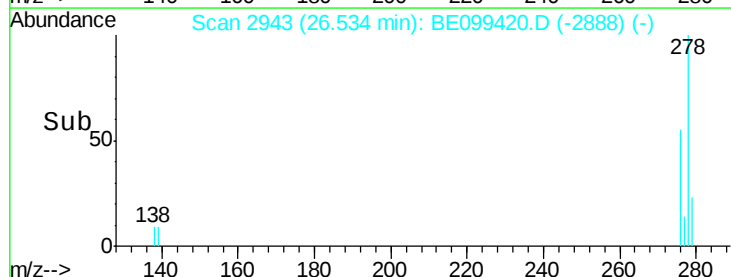
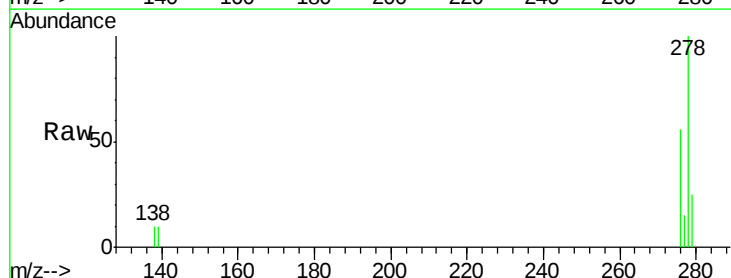
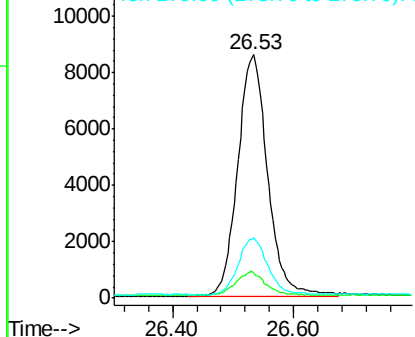
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.0  | 7.7   | 11.5  |
| 279     | 24.7  | 20.2  | 30.2  |

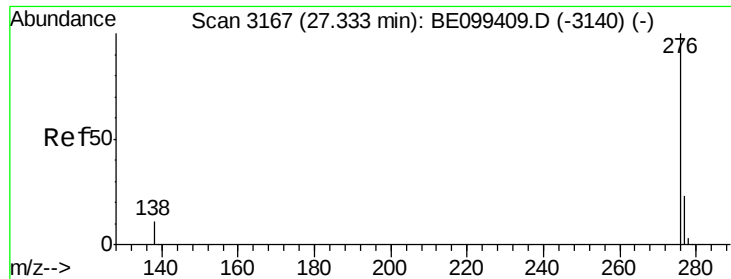
Abundance

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(g,h,i)perylene

Concen: 0.489 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099420.D

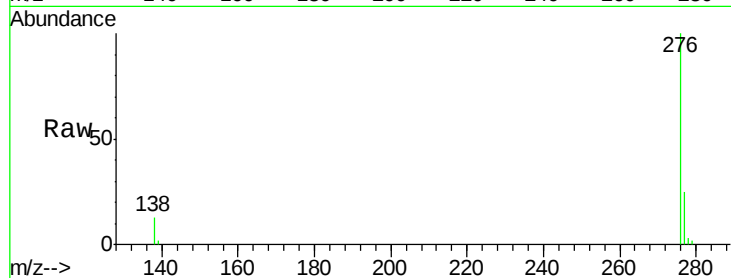
Acq: 30 Apr 2019 11:20

Instrument :

BNA\_E

ClientSampleId :

PB119261BS



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 29513 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.8  | 19.5  | 29.3  |
| 138       | 12.7  | 9.6   | 14.4  |

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