

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\  
 Data File : BE097574.D  
 Acq On : 20 Sep 2018 13:06  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Manual Integrations  
 APPROVED

Sohil  
 9/21/2018 4:08:57 PM

Quant Time: Sep 21 06:27:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 20 10:54:43 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.38  | 152  | 659      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.13 | 136  | 3476     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.00 | 164  | 2548     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.75 | 188  | 7596     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.97 | 240  | 8241     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.21 | 264  | 7933     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.05  | 112 | 727   | 0.37 | ng | 0.00 |
| 5) Phenol-d6                | 6.61  | 99  | 1012m | 0.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 902   | 0.34 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152 | 2061  | 0.43 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330 | 397   | 0.41 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.63 | 172 | 3259  | 0.36 | ng | 0.01 |
| 25) Fluoranthene-d10        | 18.80 | 212 | 31281 | 0.32 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.42 | 244 | 6189  | 0.41 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.07  | 88  | 478   | 0.428  | ng | # 85 |
| 3) n-Nitrosodimethylamine      | 3.38  | 42  | 341   | 0.358  | ng | 99   |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93  | 884   | 0.377  | ng | 72   |
| 9) Naphthalene                 | 10.17 | 128 | 12564 | 0.401  | ng | # 98 |
| 10) Hexachlorobutadiene        | 10.46 | 225 | 563   | 0.390  | ng | 96   |
| 12) 2-Methylnaphthalene        | 11.80 | 142 | 2068  | 0.423  | ng | 99   |
| 16) Acenaphthylene             | 13.71 | 152 | 3980  | 0.395  | ng | 100  |
| 17) Acenaphthene               | 14.06 | 154 | 2659  | 0.394  | ng | 96   |
| 18) Fluorene                   | 15.06 | 166 | 3651  | 0.415  | ng | # 79 |
| 20) 4-Bromophenyl-phenylether  | 15.96 | 248 | 1366  | 0.399  | ng | 86   |
| 21) Hexachlorobenzene          | 16.07 | 284 | 1547  | 0.411  | ng | # 85 |
| 22) Pentachlorophenol          | 16.45 | 266 | 332m  | 0.326  | ng |      |
| 23) Phenanthrene               | 16.80 | 178 | 6865  | 0.381  | ng | 98   |
| 24) Anthracene                 | 16.89 | 178 | 5758  | 0.361  | ng | 95   |
| 26) Fluoranthene               | 18.83 | 202 | 8140  | 0.325  | ng | 98   |
| 28) Pyrene                     | 19.20 | 202 | 8341  | 0.445  | ng | 100  |
| 30) Benzo(a)anthracene         | 20.95 | 228 | 7394  | 0.356  | ng | 97   |
| 31) Chrysene                   | 21.00 | 228 | 9097  | 0.409  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149 | 9578  | 0.285  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 9954  | 0.371  | ng | # 91 |
| 35) Benzo(b)fluoranthene       | 22.53 | 252 | 7787  | 0.383  | ng | # 90 |
| 36) Benzo(k)fluoranthene       | 22.58 | 252 | 9062  | 0.390  | ng | 94   |
| 37) Benzo(a)pyrene             | 23.11 | 252 | 7583  | 0.386  | ng | # 92 |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278 | 8275  | 0.388  | ng | # 95 |
| 39) Benzo(g,h,i)perylene       | 26.21 | 276 | 8059  | 0.389  | ng | # 89 |

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

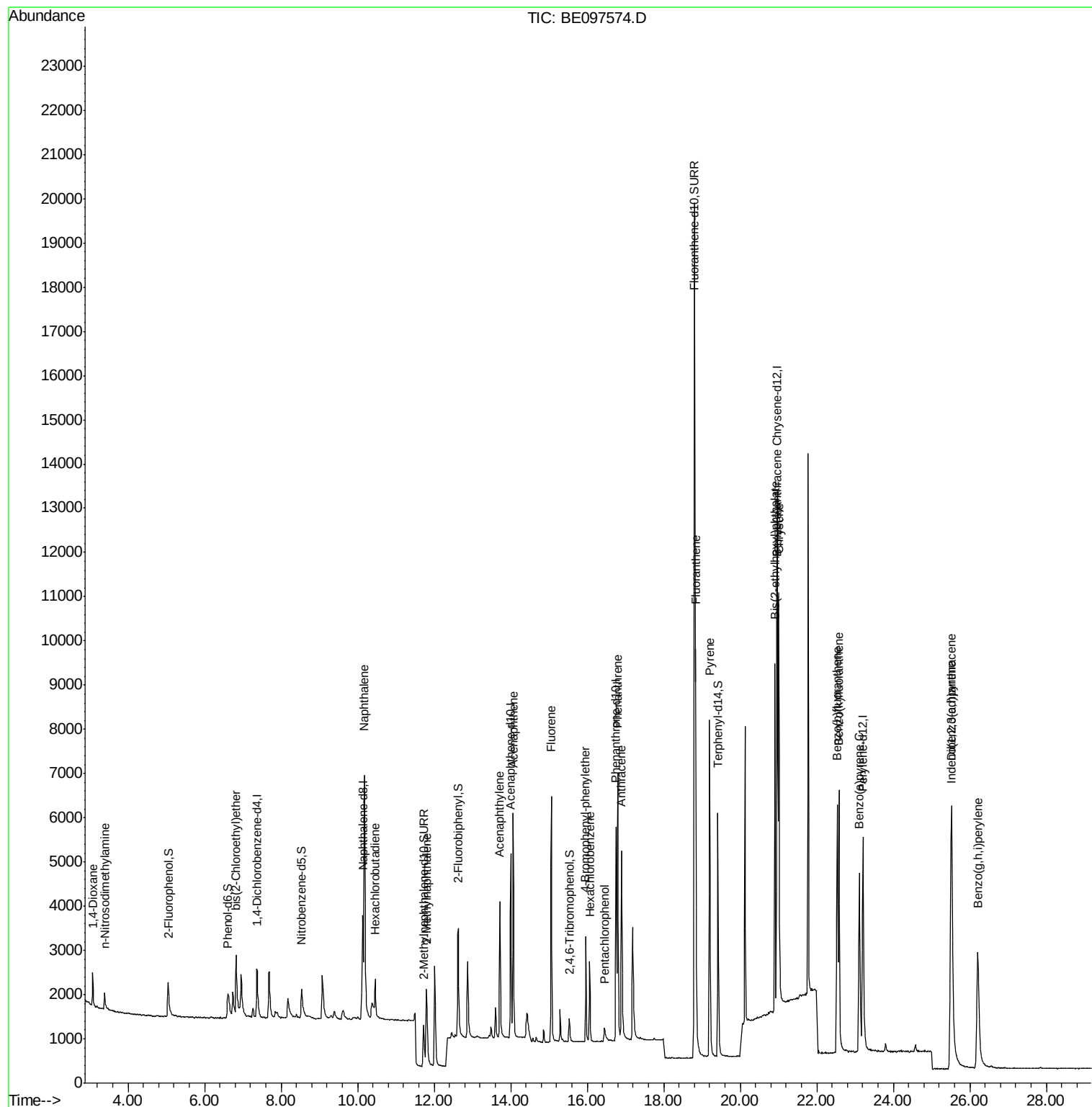
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\  
Data File : BE097574.D  
Acq On : 20 Sep 2018 13:06  
Operator : SJ/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

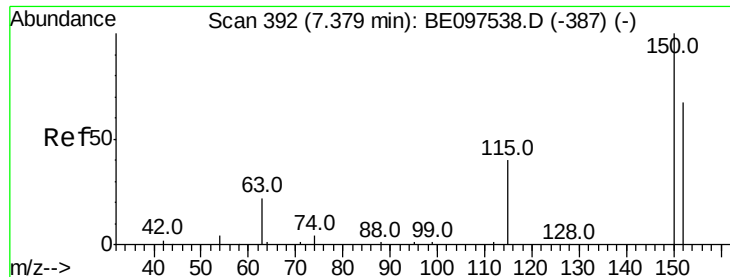
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 20 10:54:43 2018  
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#1

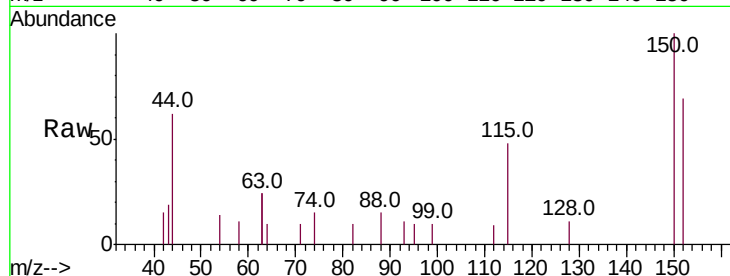
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.38 min Scan# 392  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

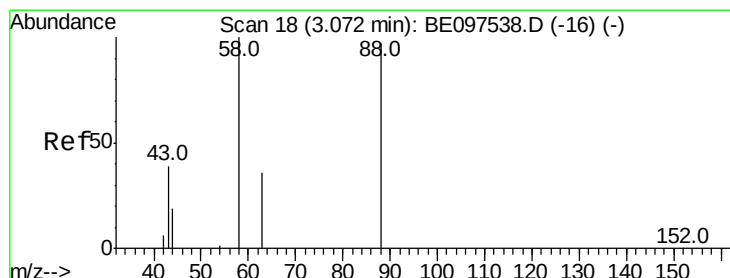
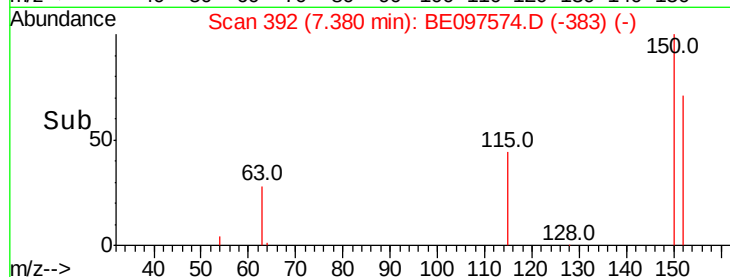
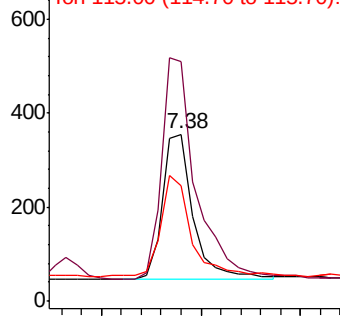
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.9 | 117.2 | 175.8 |
| 115     | 69.0  | 57.0  | 85.6  |

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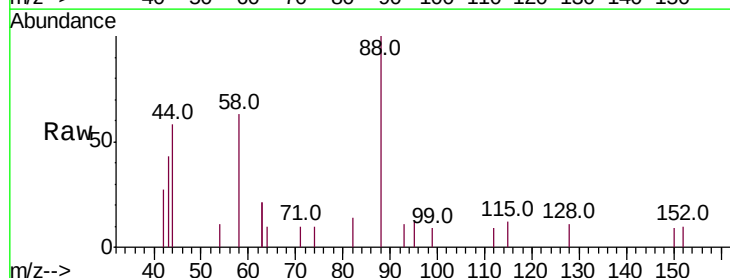
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



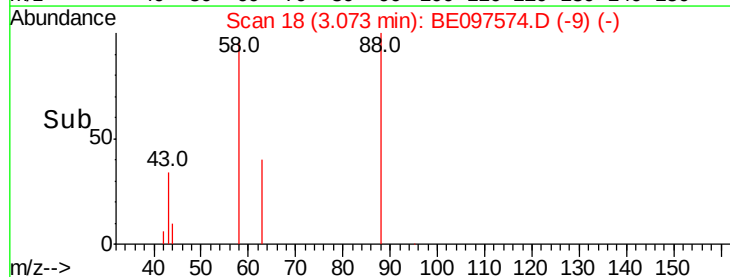
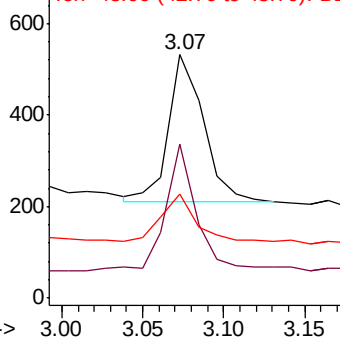
#2

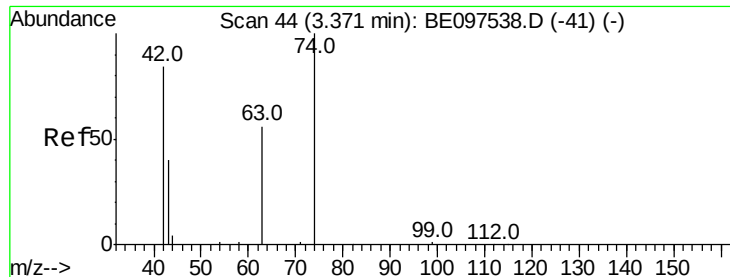
1,4-Dioxane  
Concen: 0.428 ng  
RT: 3.07 min Scan# 18  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 74.5  | 63.2  | 94.8  |
| 43      | 29.7  | 41.2  | 61.8# |



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: 0.358 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

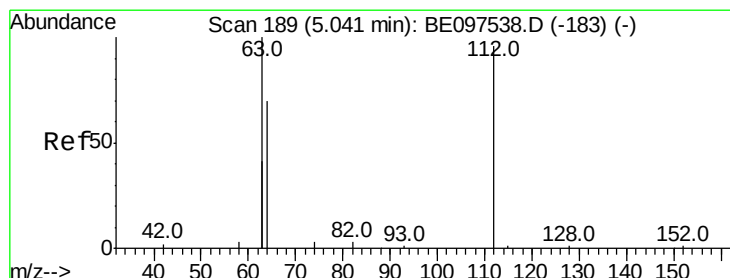
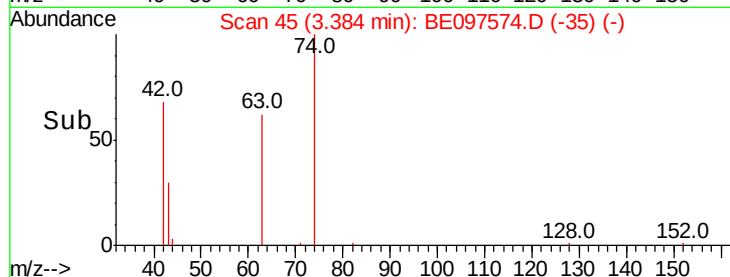
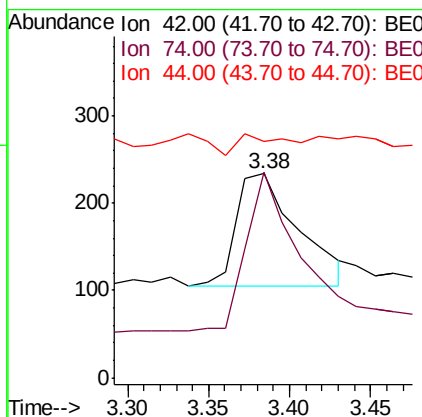
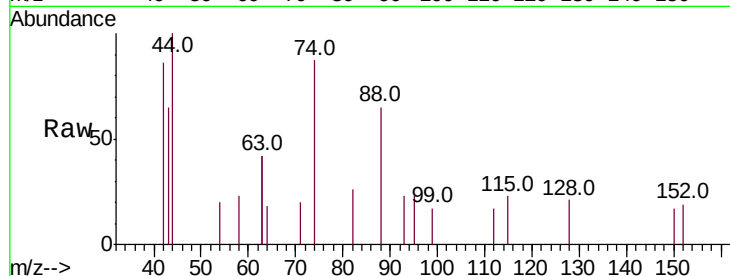
SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 341   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 121.1 | 96.0  | 144.0 |
| 44       | 15.0  | 12.0  | 18.0  |

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#4

2-Fluorophenol

Concen: 0.368 ng

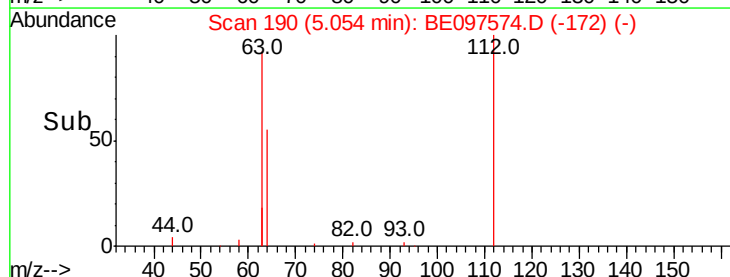
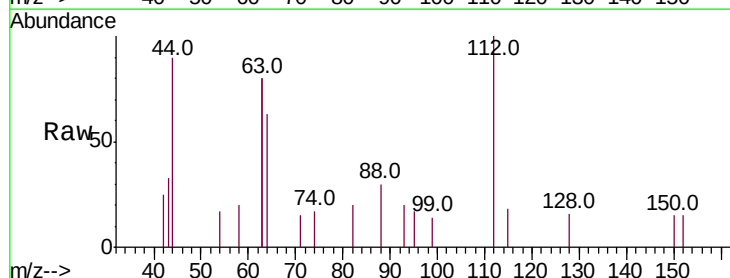
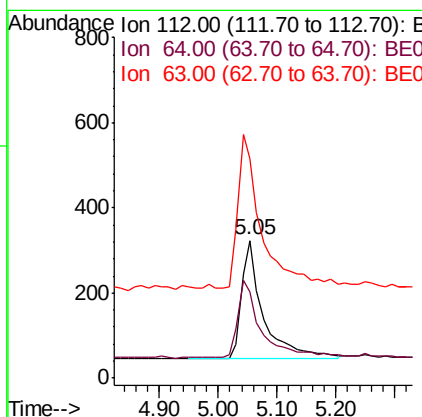
RT: 5.05 min Scan# 190

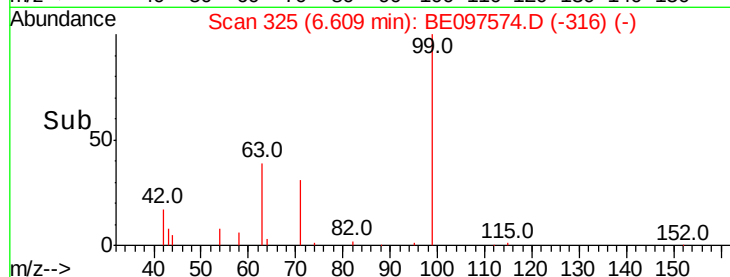
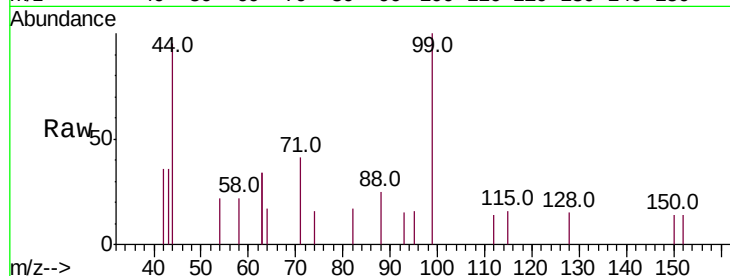
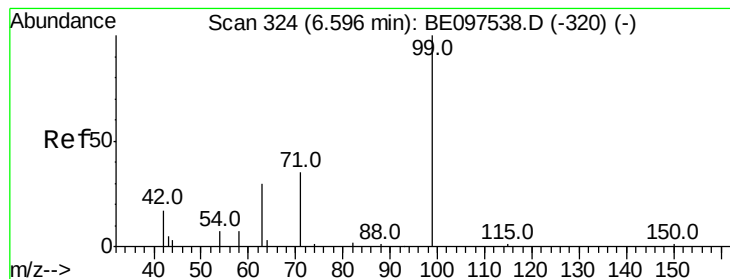
Delta R.T. 0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 727   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 67.8  | 60.1  | 90.1  |
| 63       | 138.4 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.401 ng/ml

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 1012  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 18.2  | 20.2  | 30.2# |
| 71        | 30.5  | 28.4  | 42.6  |

Instrument :

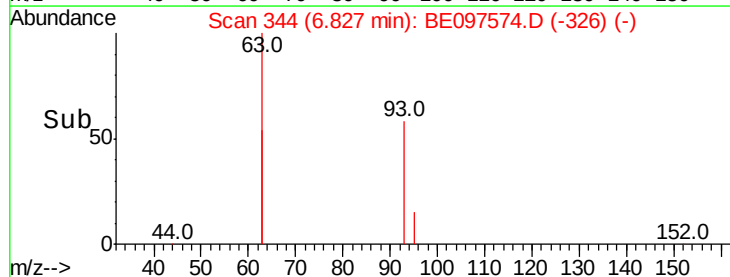
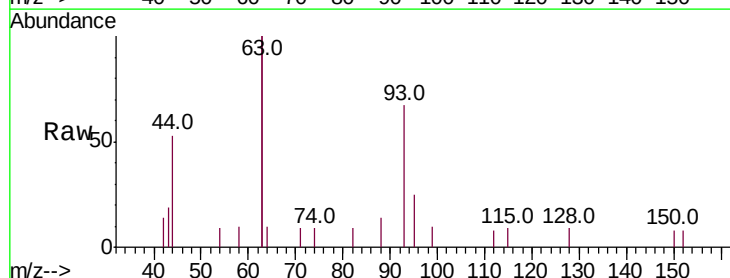
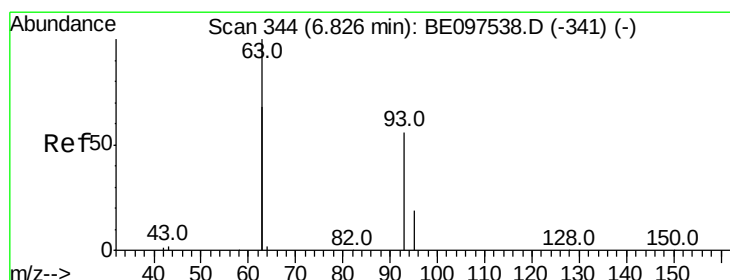
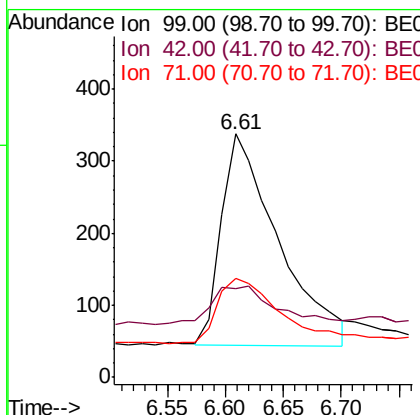
BNA\_E

ClientSampleId :

SSTDCCC0.4

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#6

bis(2-Chloroethyl)ether

Concen: 0.377 ng/ml

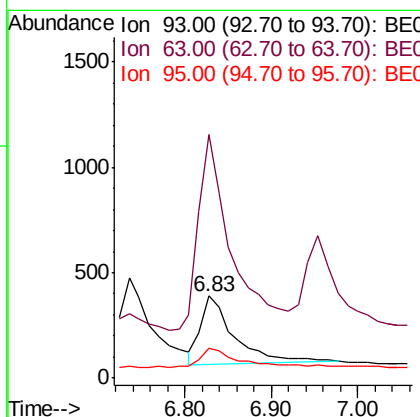
RT: 6.83 min Scan# 344

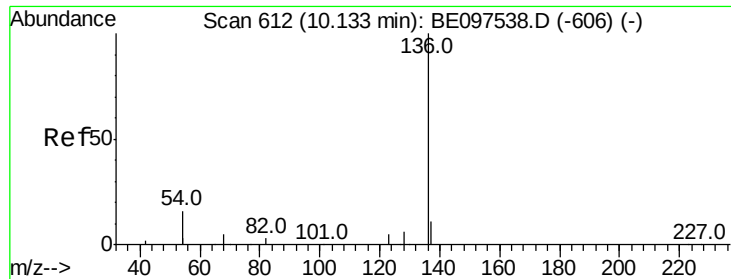
Delta R.T. 0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 884   |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 277.8 | 275.3 | 412.9 |
| 95        | 31.0  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

ClientSampled :

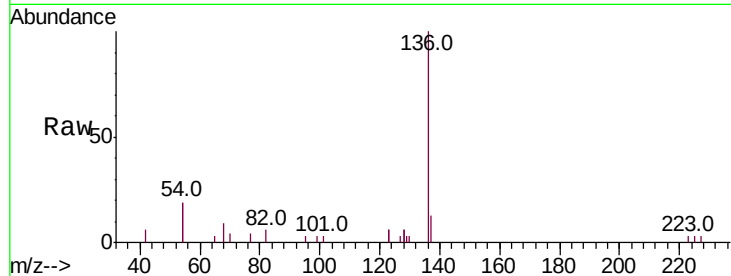
SSTDCCC0.4

| Tot Ion | 136   | Resp: | 3476  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 136     | 100   |       |       |
| 137     | 13.2  | 9.5   | 14.3  |
| 54      | 38.0  | 29.1  | 43.7  |
| 68      | 8.6   | 6.2   | 9.2   |

Manual Integrations  
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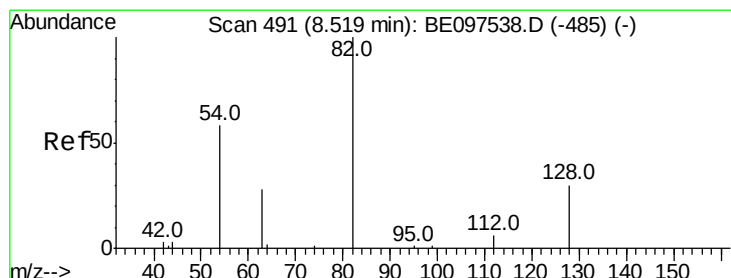
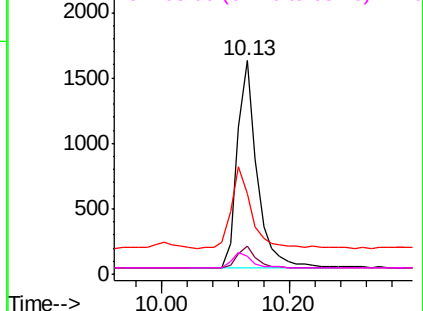
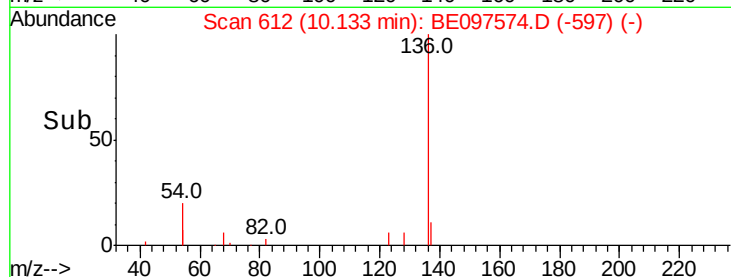


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.336 ng

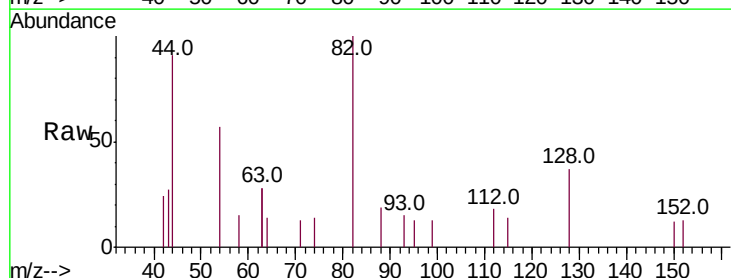
RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

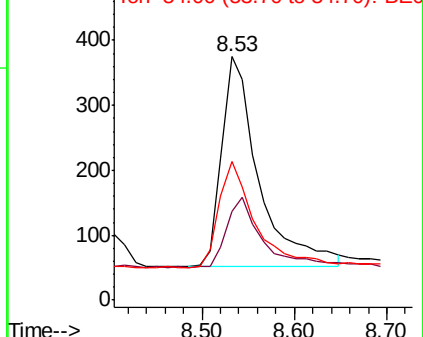
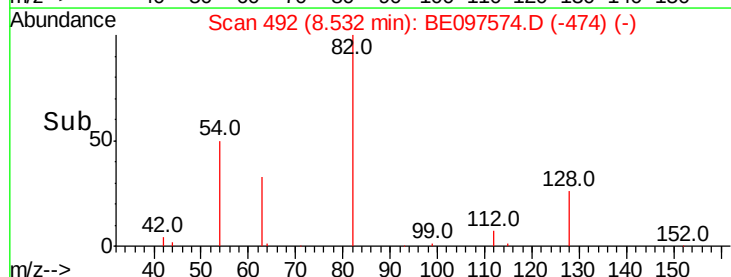
| Tgt Ion | 82    | Resp: | 902   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 82      | 100   |       |       |
| 128     | 36.5  | 24.0  | 36.0# |
| 54      | 56.8  | 40.0  | 60.0  |

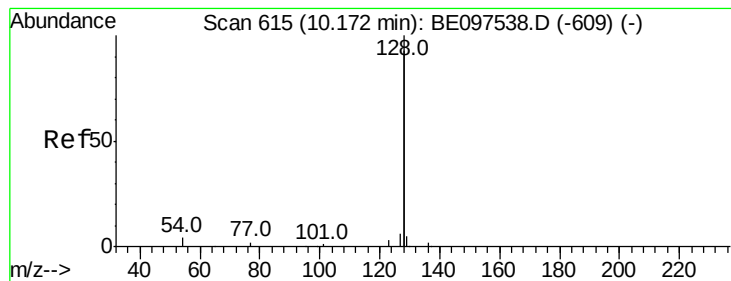


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.401 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

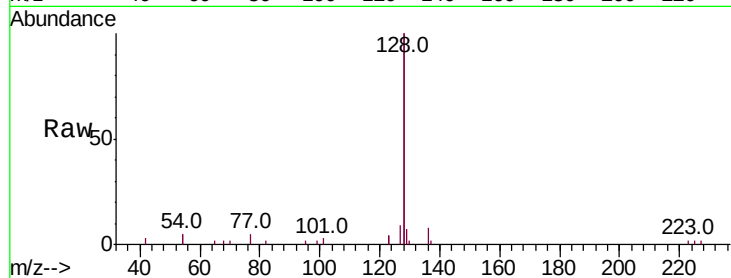
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 12564 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.4   | 2.6   | 3.8   |
| 127       | 4.3   | 2.8   | 4.2#  |

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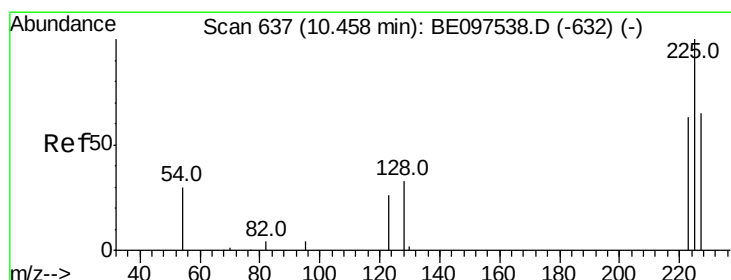
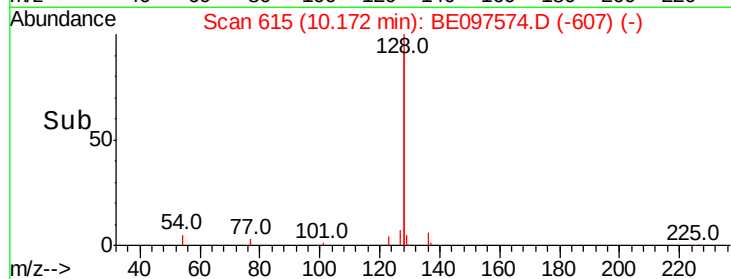
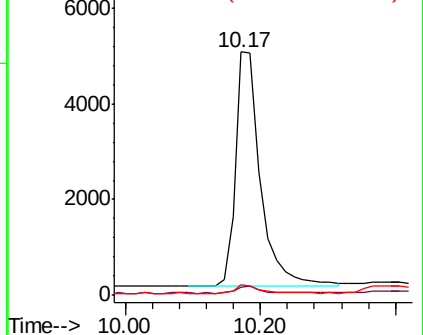
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.390 ng

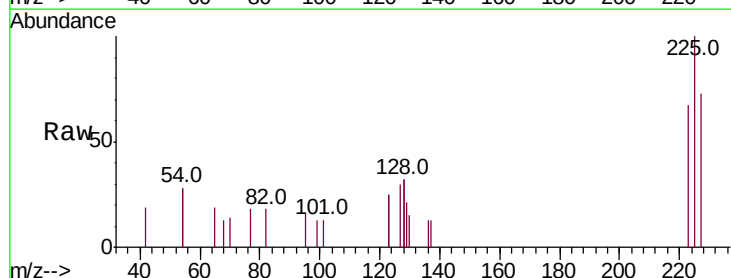
RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

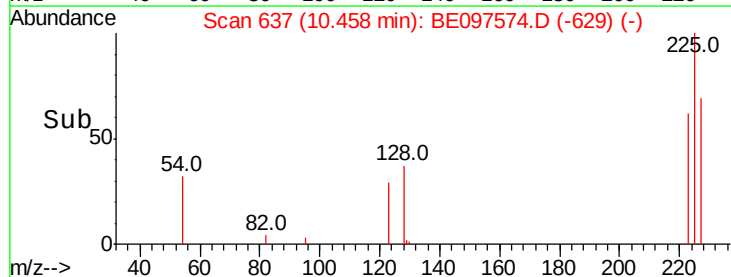
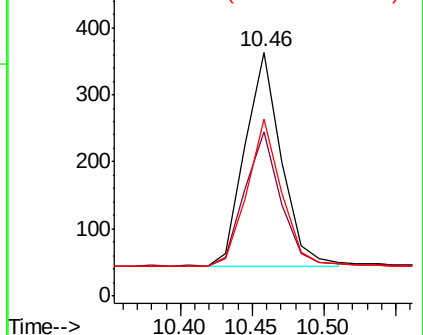
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 563  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 61.5  | 53.0  | 79.6 |
| 227       | 65.7  | 51.4  | 77.2 |

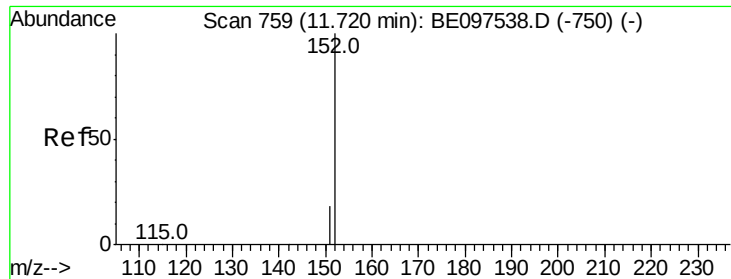


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





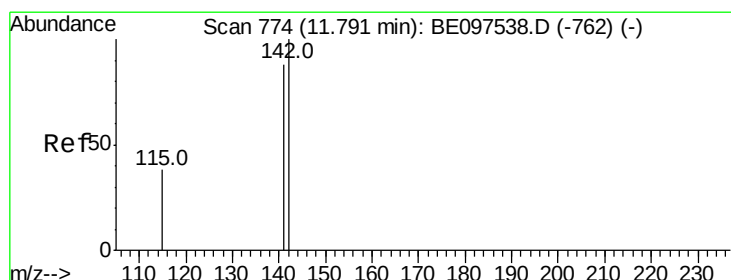
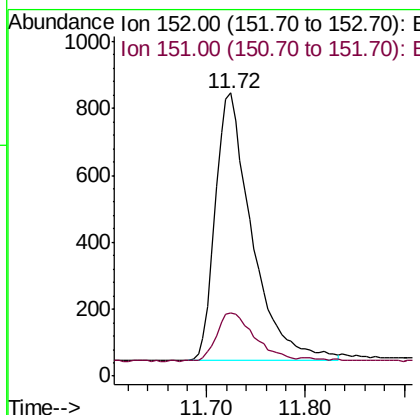
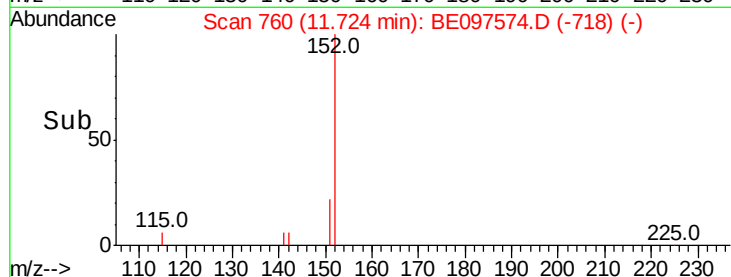
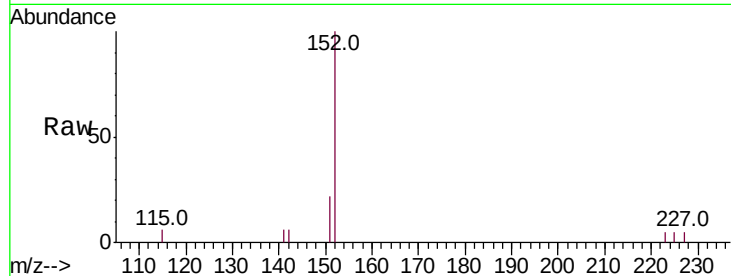
#11  
2-Methylnaphthalene-d10  
Concen: 0.430 ng  
RT: 11.72 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.7  | 15.4  | 23.0  |

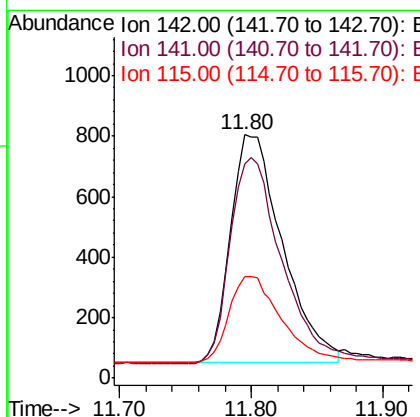
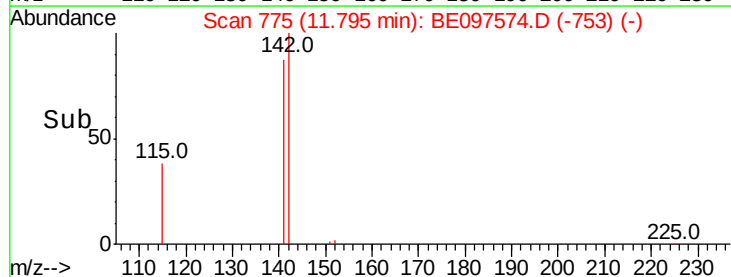
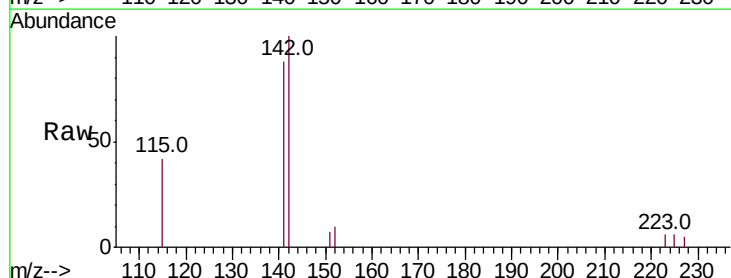
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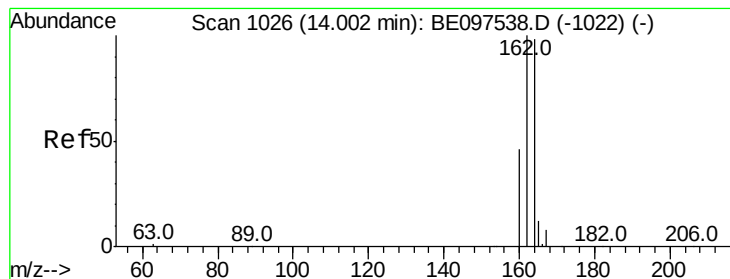


#12  
2-Methylnaphthalene  
Concen: 0.423 ng  
RT: 11.80 min Scan# 775  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 70.4  | 105.6 |
| 115     | 41.9  | 31.7  | 47.5  |







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:164 Resp: 2548

Ion Ratio Lower Upper

164 100

162 102.6 83.1 124.7

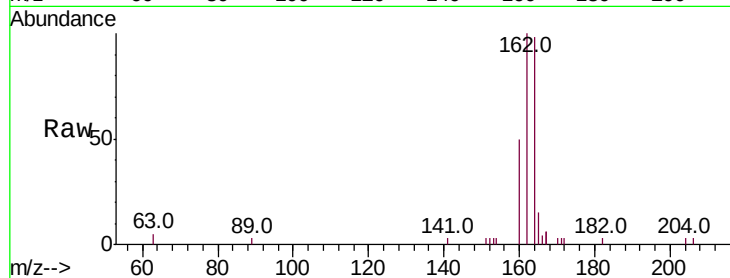
160 50.9 37.1 55.7

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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

14.00

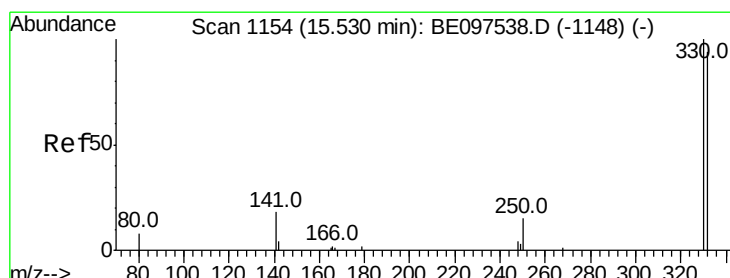
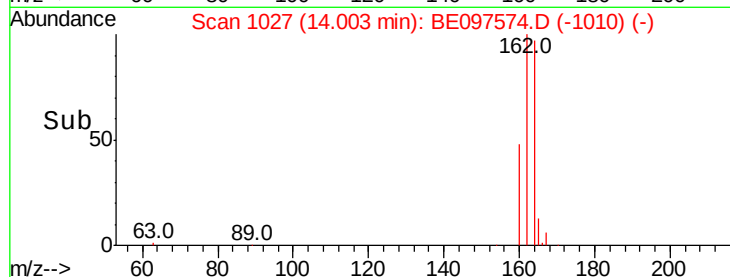
1500

1000

500

0

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.413 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

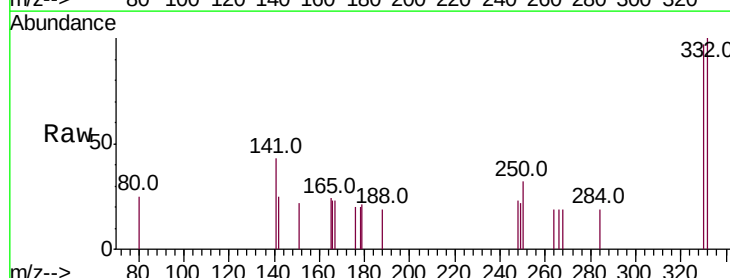
Tgt Ion:330 Resp: 397

Ion Ratio Lower Upper

330 100

332 99.2 152.7 229.1#

141 38.8 33.7 50.5



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

15.53

300

250

200

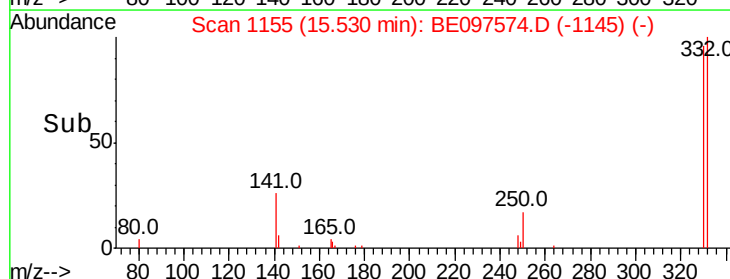
150

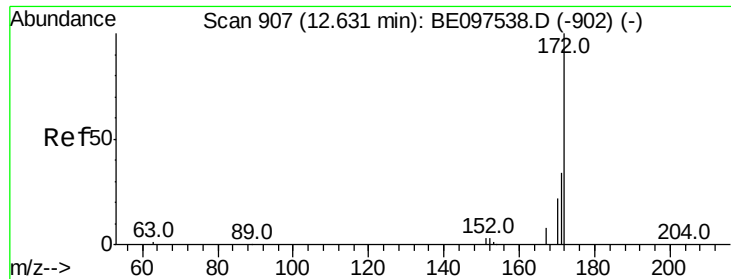
100

50

0

Time-->





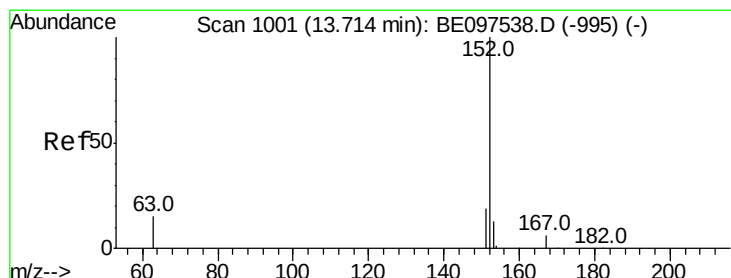
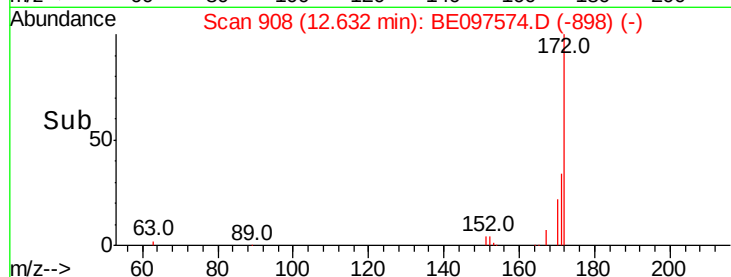
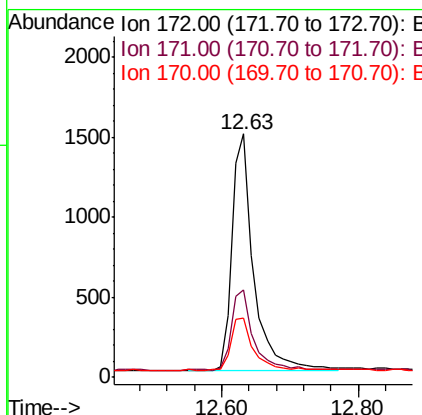
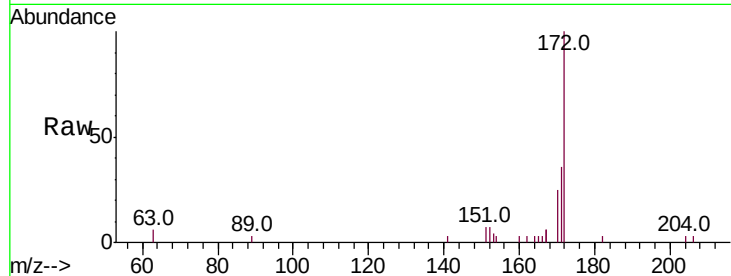
#15  
2-Fluorobiphenyl  
Concen: 0.362 ng  
RT: 12.63 min Scan# 908  
Delta R.T. 0.01 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.9  | 44.9  |
| 170     | 24.5  | 21.8  | 32.8  |

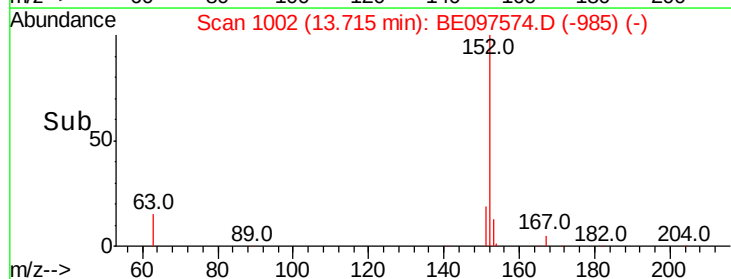
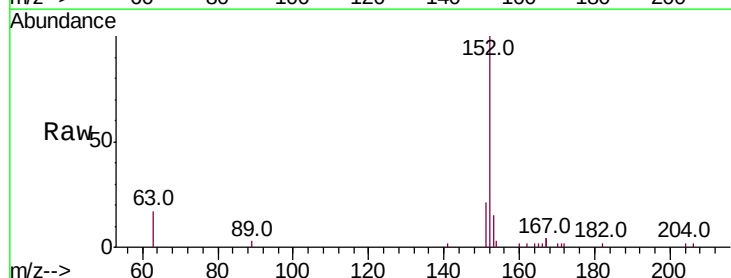
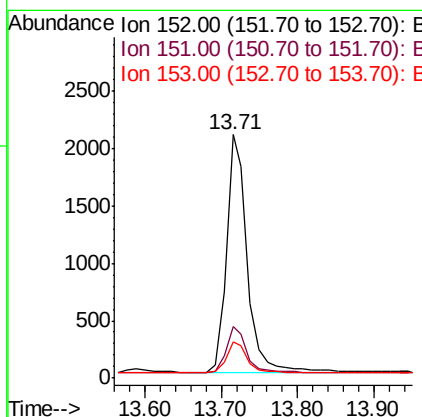
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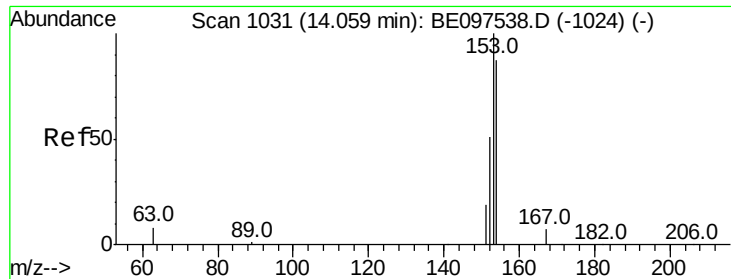
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#16  
Acenaphthylene  
Concen: 0.395 ng  
RT: 13.71 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.7  | 23.5  |
| 153     | 12.8  | 10.5  | 15.7  |





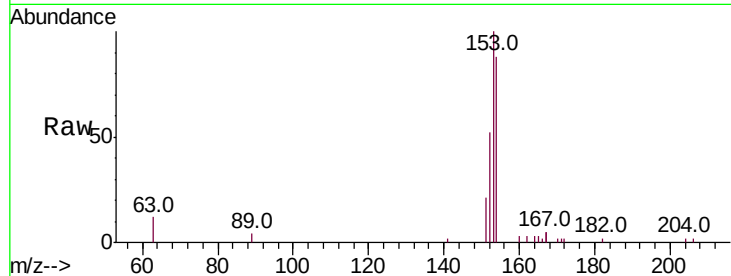
#17  
Acenaphthene  
Concen: 0.394 ng  
RT: 14.06 min Scan# 1032  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.3 | 89.2  | 133.8 |
| 152     | 56.8  | 42.0  | 63.0  |

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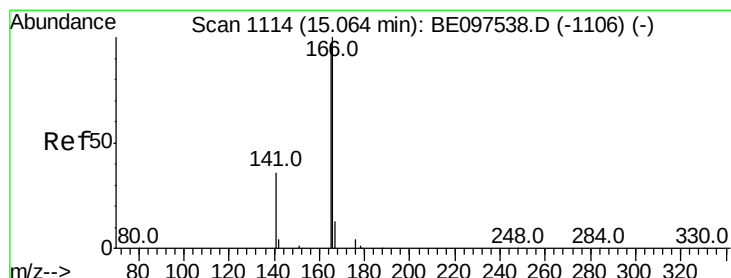
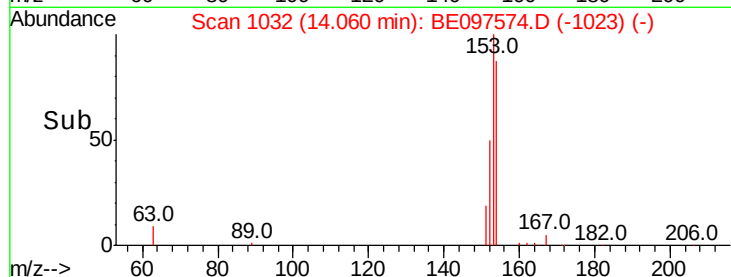
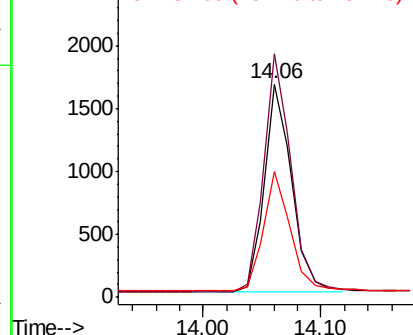


Abundance

Ion 154.00 (153.70 to 154.70): E

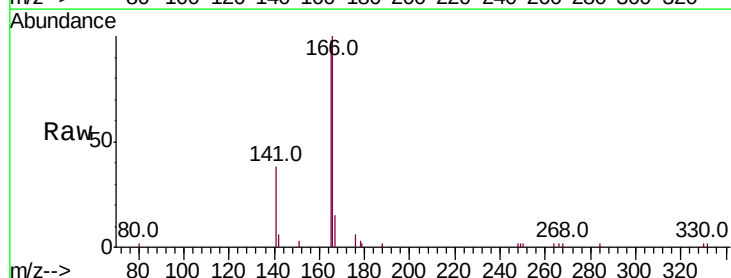
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18  
Fluorene  
Concen: 0.415 ng  
RT: 15.06 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.7  | 77.8  | 116.6 |
| 167     | 13.3  | 42.4  | 63.6# |

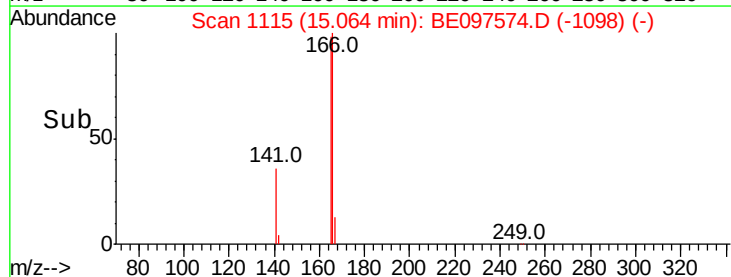
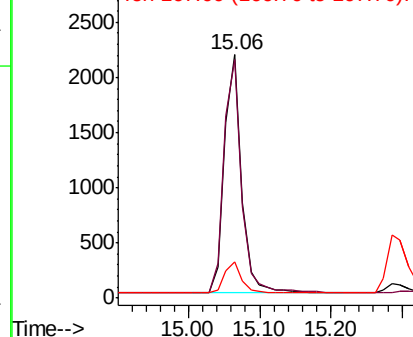


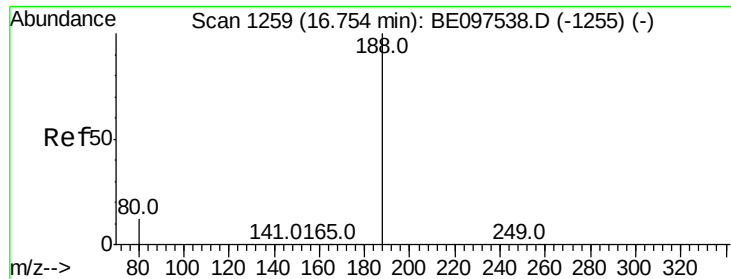
Abundance

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: 16.75 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097574.D

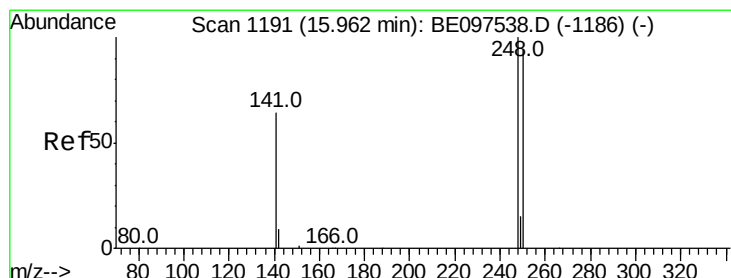
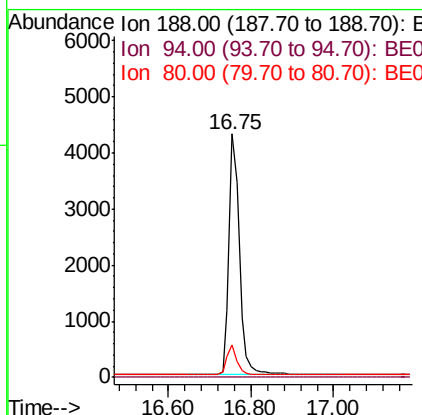
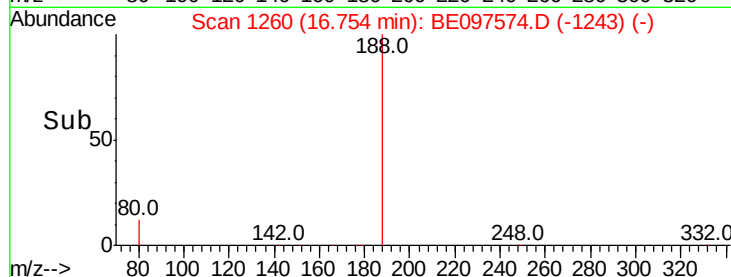
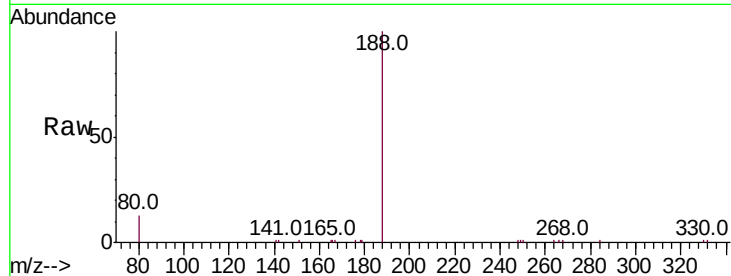
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 13.1  | 3.6   | 5.4#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.399 ng

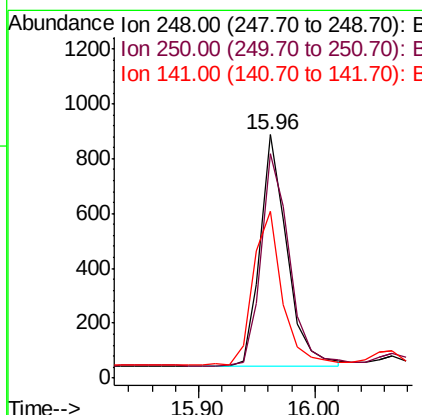
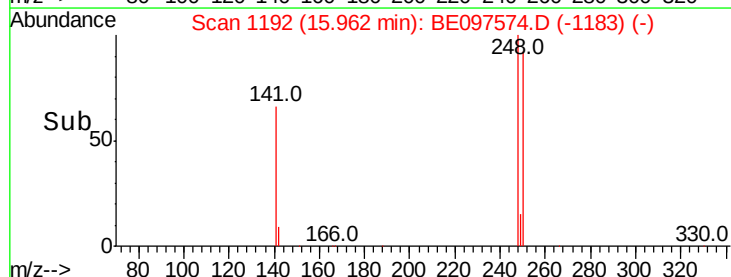
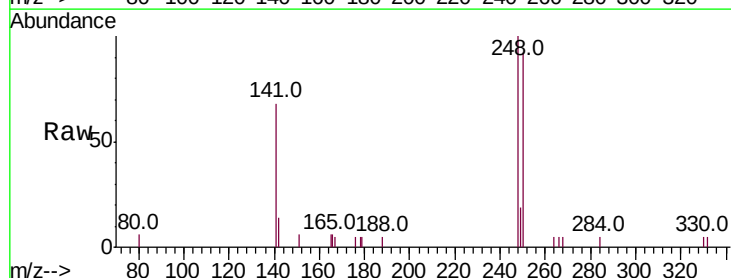
RT: 15.96 min Scan# 1192

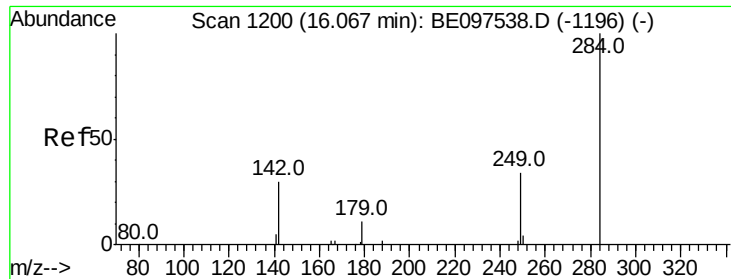
Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 92.3  | 62.7  | 94.1  |
| 141     | 68.2  | 48.2  | 72.2  |





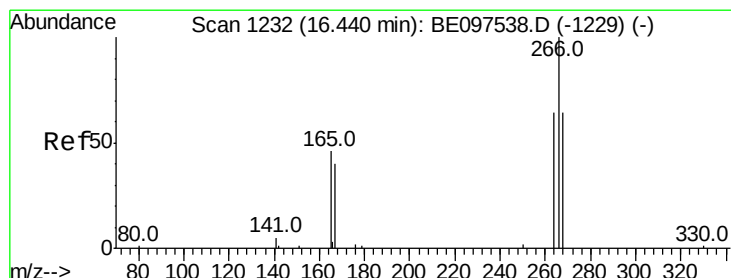
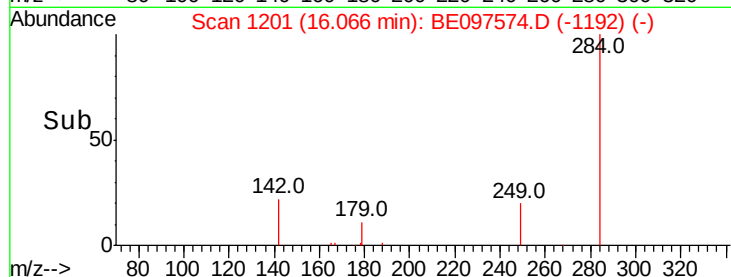
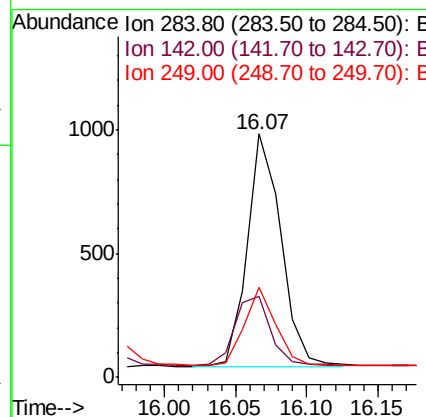
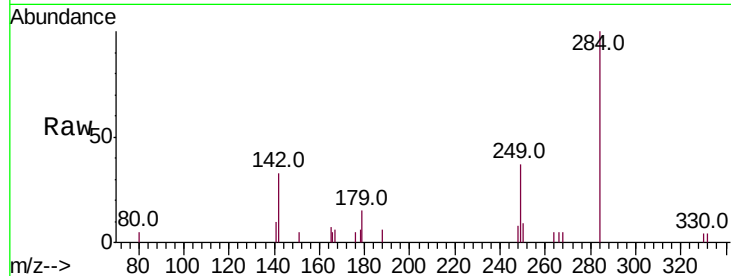
#21  
Hexachlorobenzene  
Concen: 0.411 ng  
RT: 16.07 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampled :  
SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 1547  |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 30.9  | 22.1  | 33.1  |
| 249       | 30.7  | 34.8  | 52.2# |

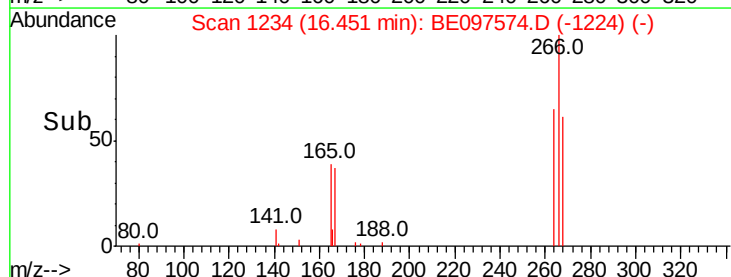
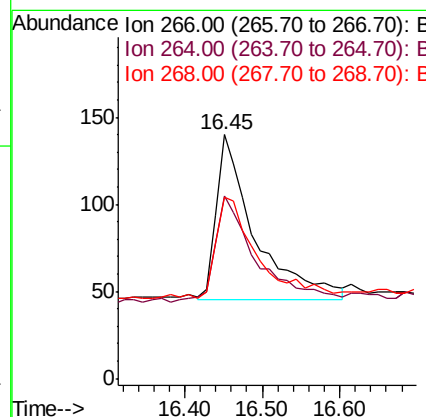
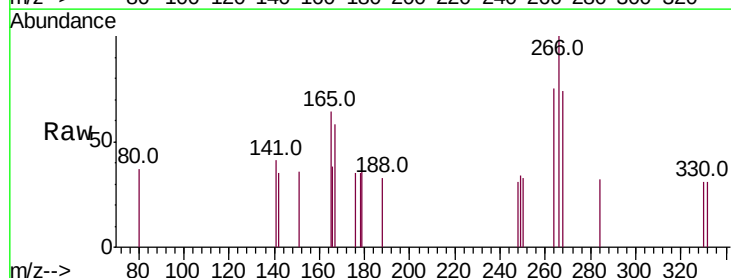
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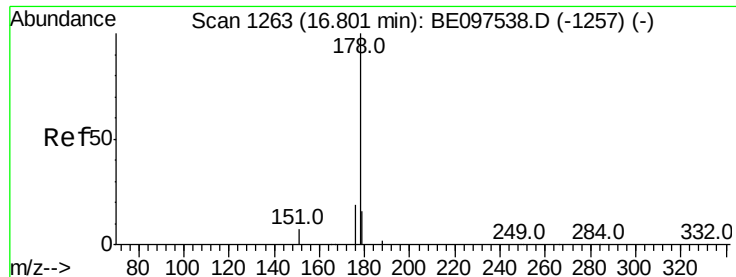
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#22  
Pentachlorophenol  
Concen: 0.326 ng m  
RT: 16.45 min Scan# 1234  
Delta R.T. 0.01 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 332   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 75.0  | 72.5  | 108.7 |
| 268       | 74.3  | 73.8  | 110.6 |





#23

Phenanthrene

Concen: 0.381 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

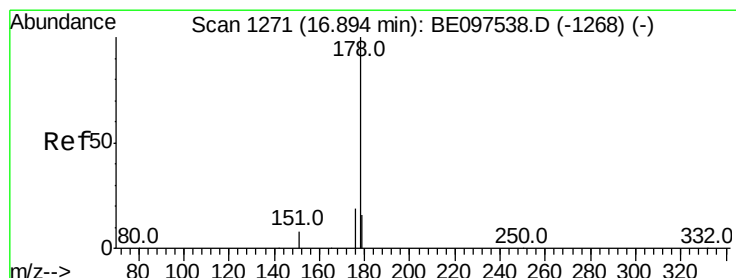
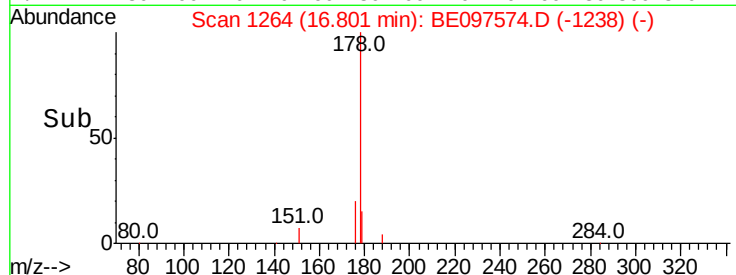
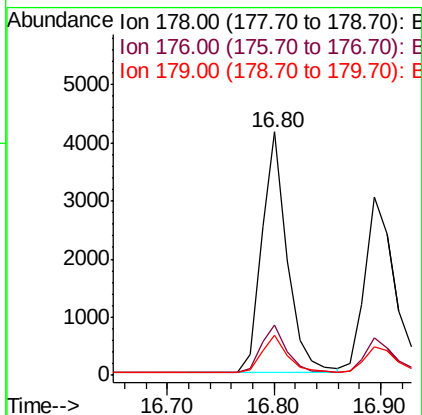
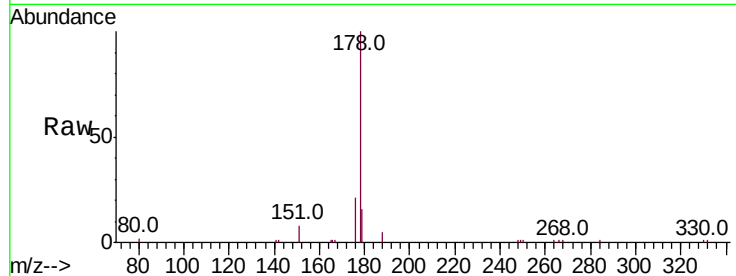
SSTDCCC0.4

|             |       |       |
|-------------|-------|-------|
| Tot Ion:178 | Resp: | 6865  |
| Ion Ratio   | Lower | Upper |
| 178 100     |       |       |
| 176 19.8    | 15.1  | 22.7  |
| 179 15.3    | 11.8  | 17.6  |

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#24

Anthracene

Concen: 0.361 ng

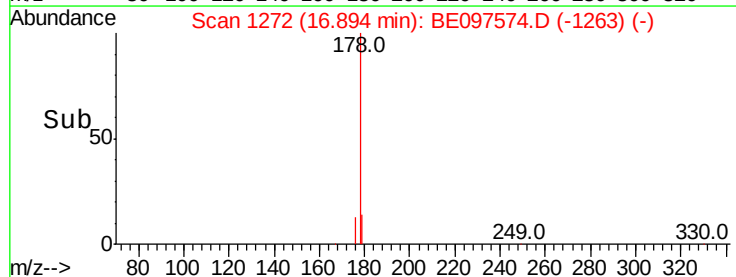
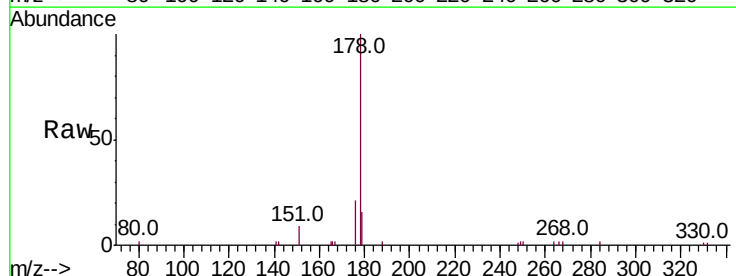
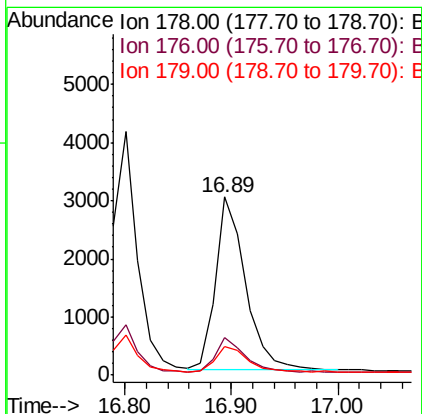
RT: 16.89 min Scan# 1272

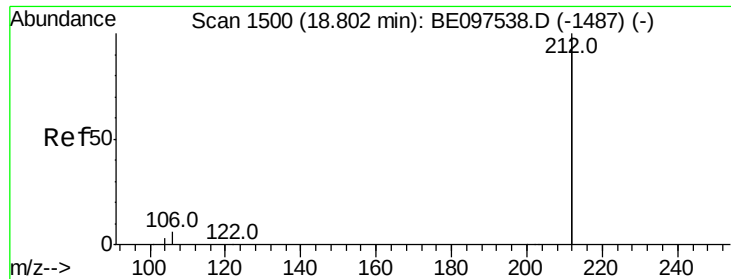
Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:178 | Resp: | 5758  |
| Ion Ratio   | Lower | Upper |
| 178 100     |       |       |
| 176 19.1    | 12.8  | 19.2  |
| 179 15.5    | 13.0  | 19.6  |





#25

Fluoranthene-d10

Concen: 0.322 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

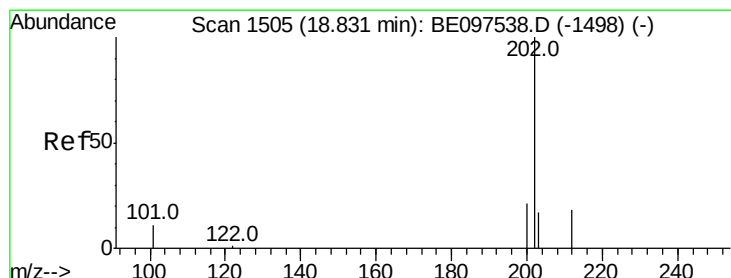
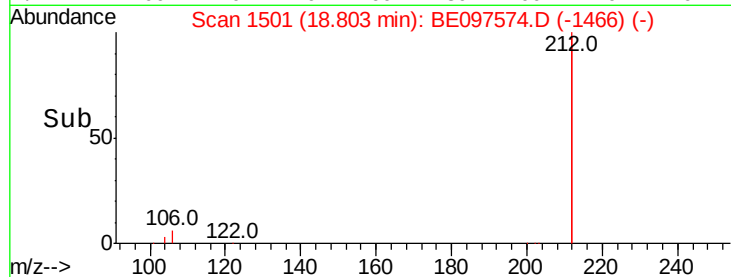
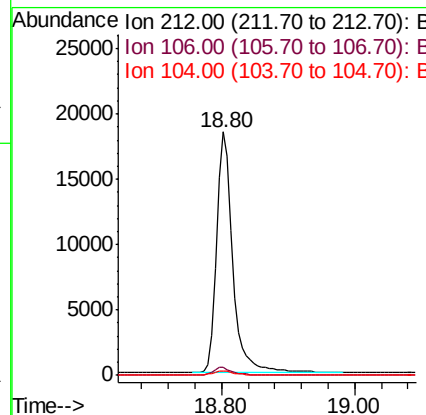
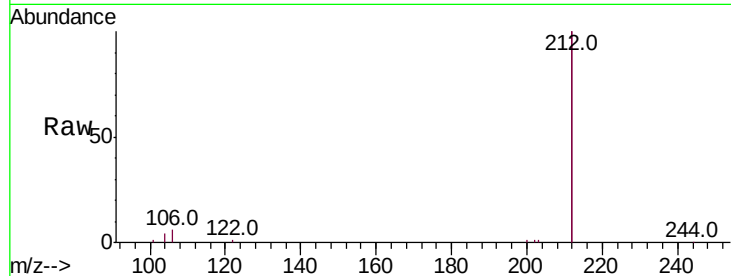
ClientSampleId :

SSTDCCC0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 31281 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.1   | 2.8   | 4.2   |
| 104       | 1.7   | 1.6   | 2.4   |

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#26

Fluoranthene

Concen: 0.325 ng

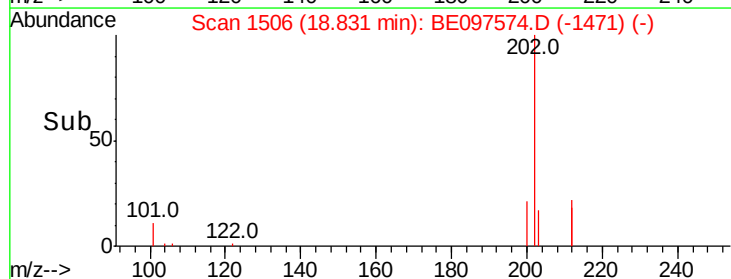
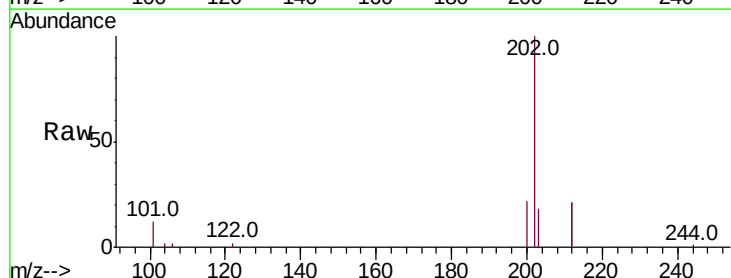
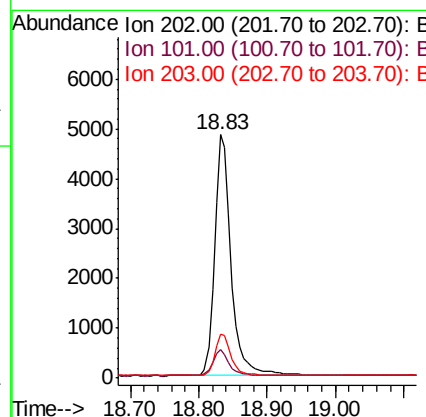
RT: 18.83 min Scan# 1506

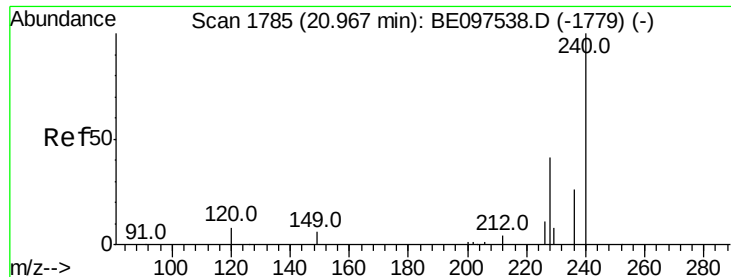
Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 8140 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 10.6  | 9.8   | 14.8 |
| 203       | 17.2  | 13.7  | 20.5 |





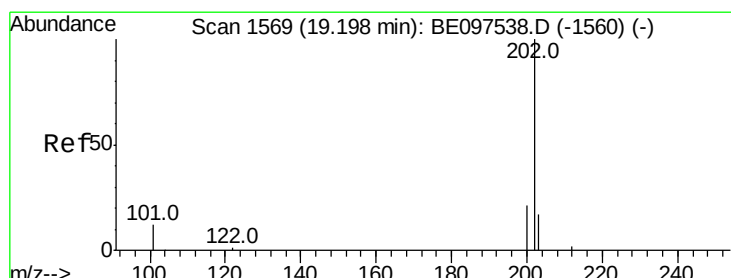
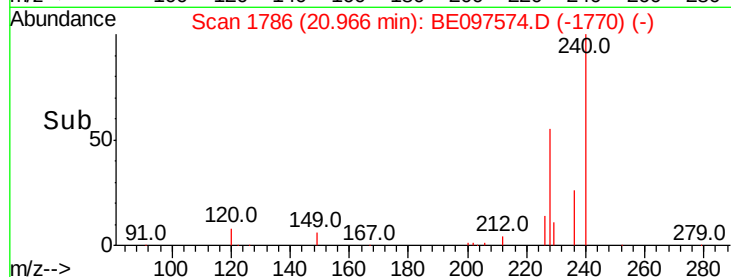
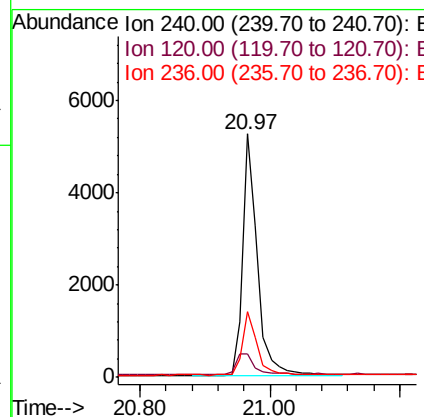
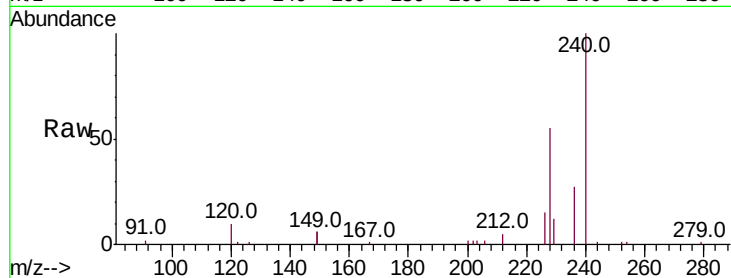
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.97 min Scan# 1786  
Delta R.T. -0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.7   | 5.5   | 8.3#  |
| 236     | 27.2  | 20.7  | 31.1  |

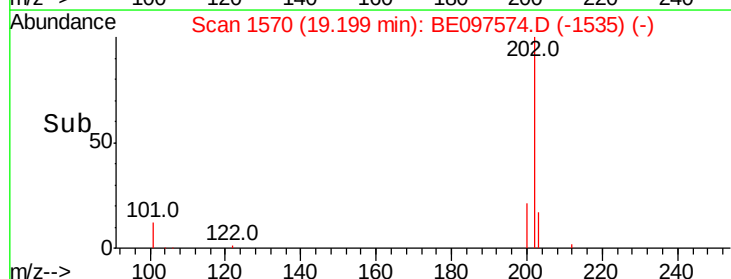
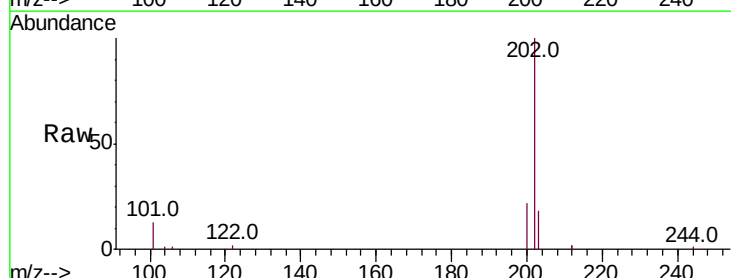
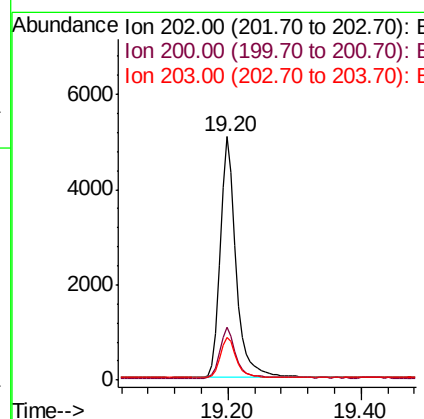
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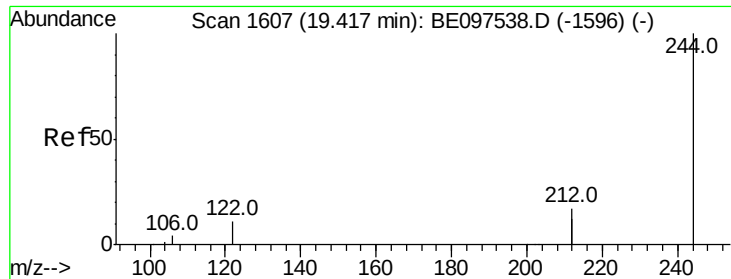


#28  
Pyrene  
Concen: 0.445 ng  
RT: 19.20 min Scan# 1570  
Delta R.T. -0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 16.6  | 25.0  |
| 203     | 17.1  | 13.8  | 20.8  |







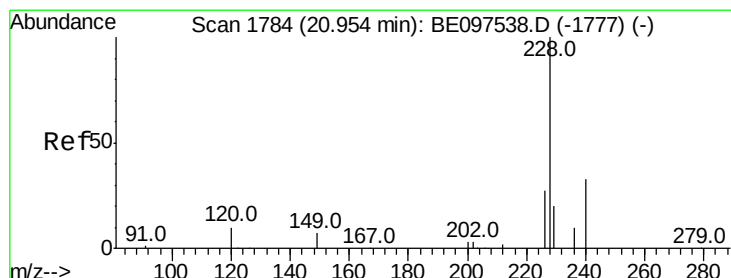
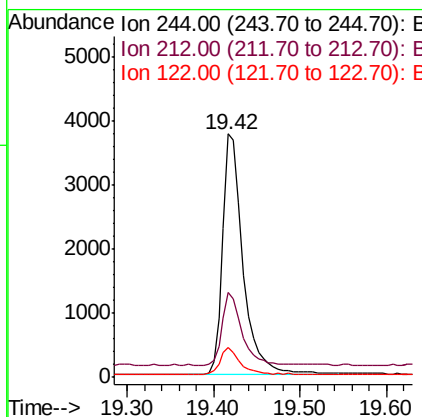
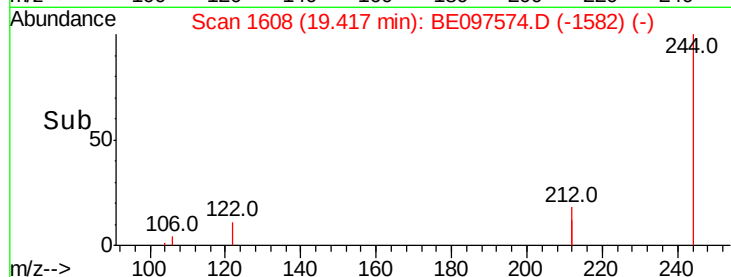
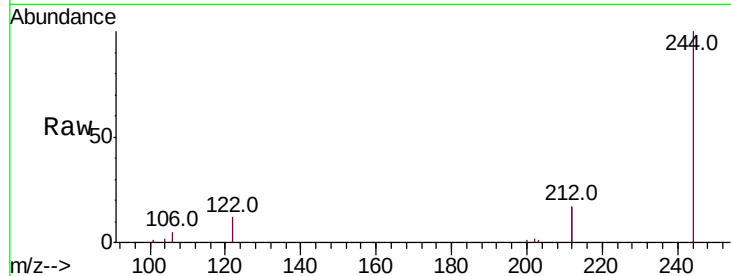
#29  
 Terphenyl-d14  
 Concen: 0.410 ng  
 RT: 19.42 min Scan# 1608  
 Delta R.T. -0.00 min  
 Lab File: BE097574.D  
 Acq: 20 Sep 2018 13:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 34.8  | 25.4  | 38.0  |
| 122     | 12.3  | 8.1   | 12.1  |

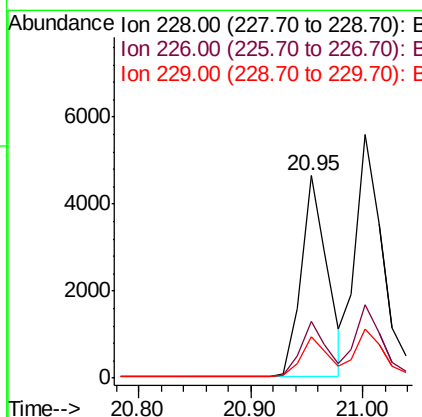
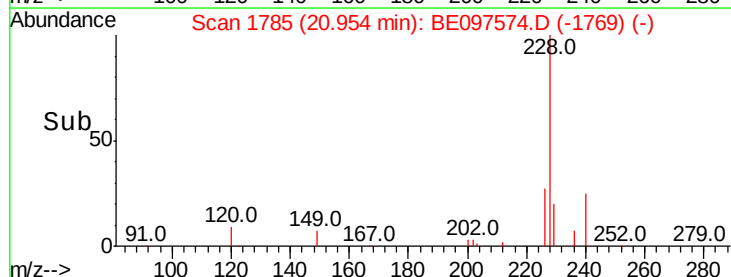
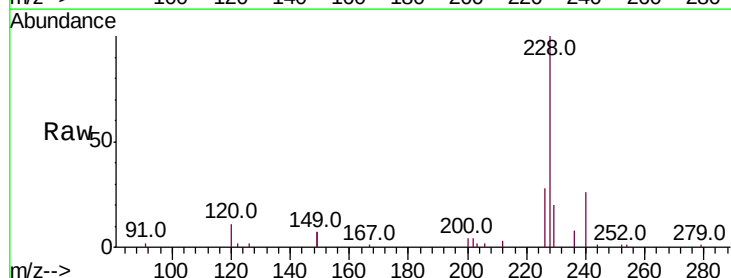
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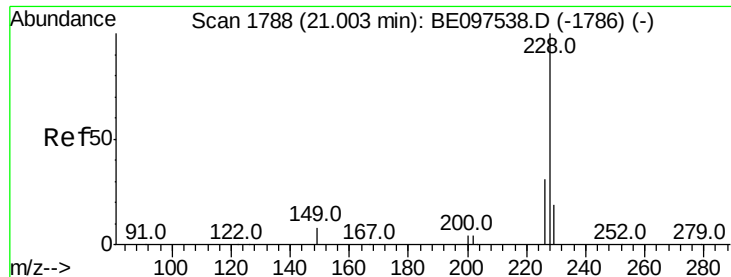
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#30  
 Benzo(a)anthracene  
 Concen: 0.356 ng  
 RT: 20.95 min Scan# 1785  
 Delta R.T. -0.00 min  
 Lab File: BE097574.D  
 Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 24.0  | 36.0  |
| 229     | 20.5  | 16.0  | 24.0  |





#31

Chrysene

Concen: 0.409 ng

RT: 21.00 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

Instrument :

BNA\_E

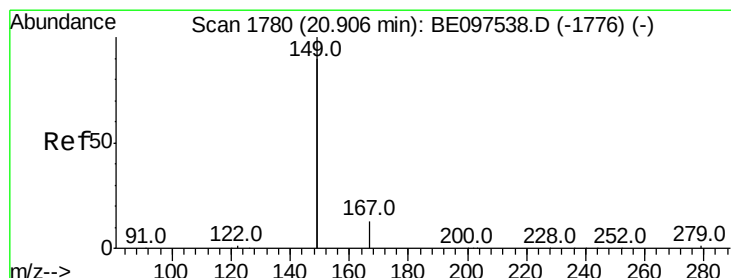
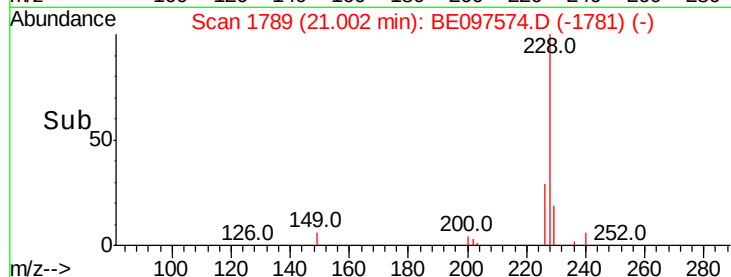
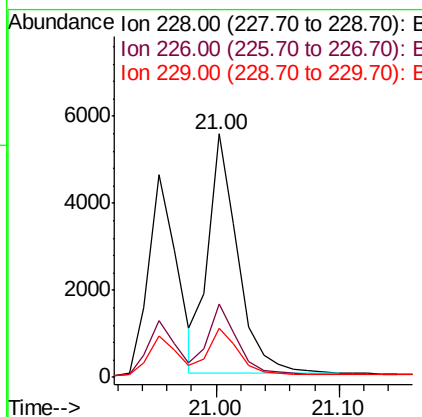
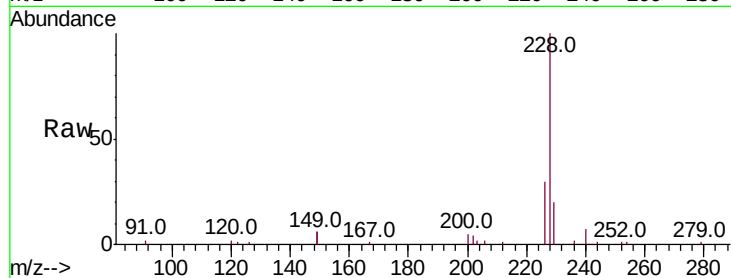
ClientSampleId :

SSTDCCC0.4

|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 9097  |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 30.1    | 24.0  | 36.0  |
| 229 19.9    | 16.0  | 24.0  |

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9/21/2018 4:08:57 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.285 ng

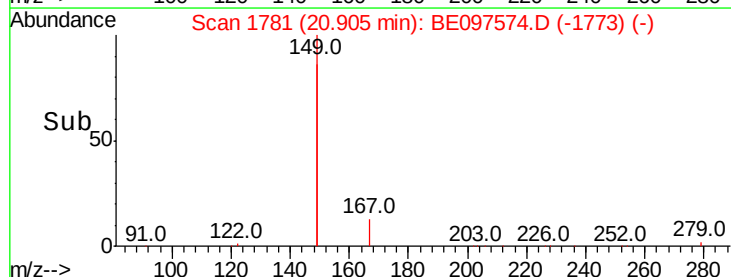
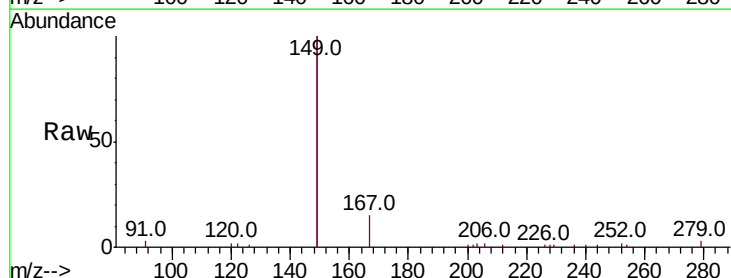
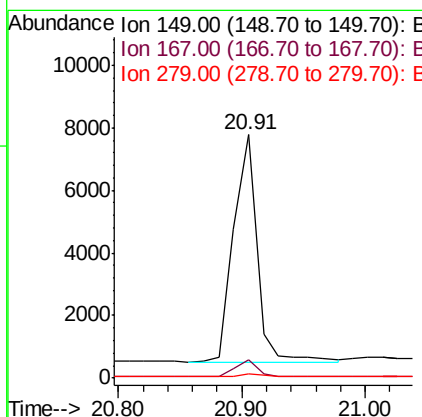
RT: 20.91 min Scan# 1781

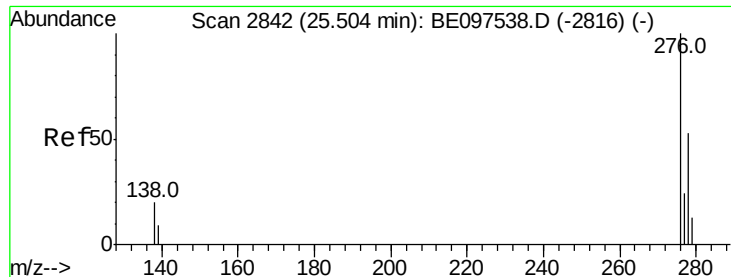
Delta R.T. -0.00 min

Lab File: BE097574.D

Acq: 20 Sep 2018 13:06

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:149 | Resp: | 9578  |
| Ion Ratio   | Lower | Upper |
| 149 100     |       |       |
| 167 6.4     | 5.4   | 8.0   |
| 279 1.1     | 0.7   | 1.1   |





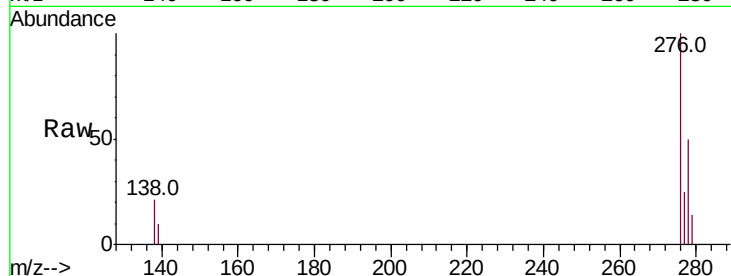
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.371 ng  
RT: 25.50 min Scan# 2843  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.2  | 22.5  | 33.7# |
| 277     | 24.3  | 19.9  | 29.9  |

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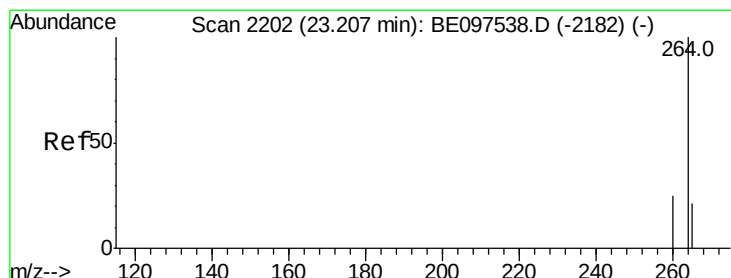
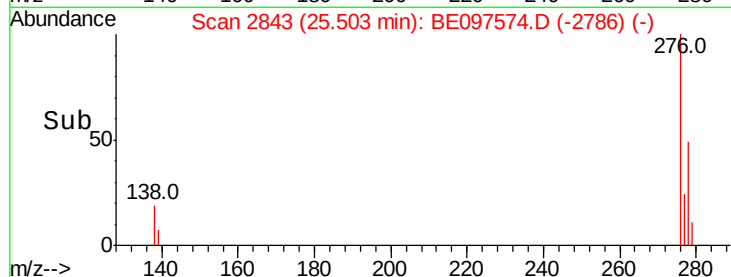
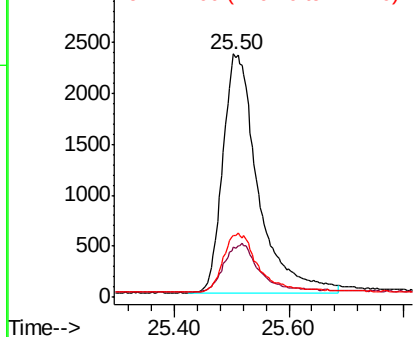


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.21 min Scan# 2203  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

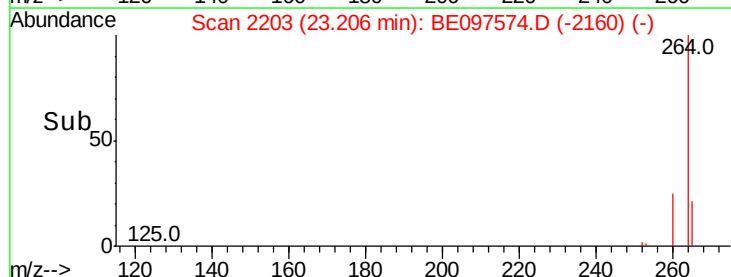
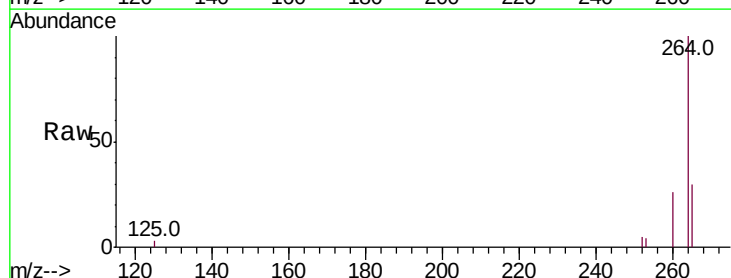
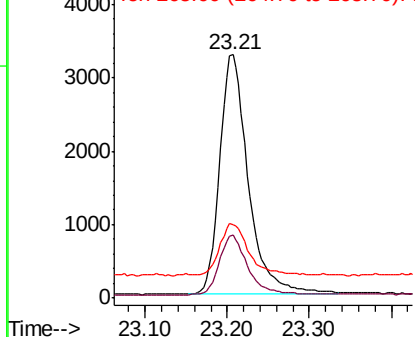
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.2  | 20.5  | 30.7  |
| 265     | 30.0  | 22.8  | 34.2  |

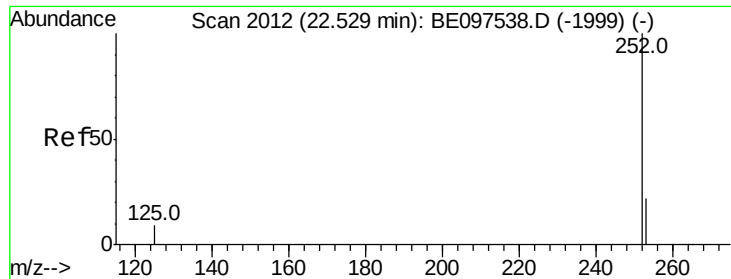
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





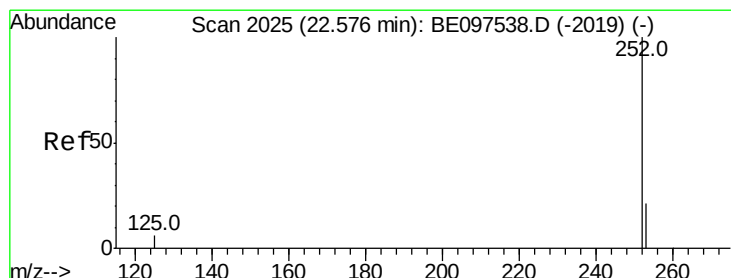
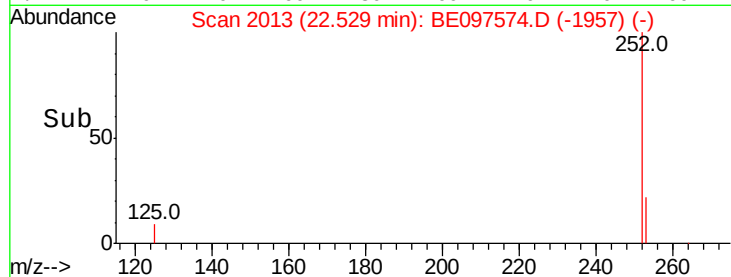
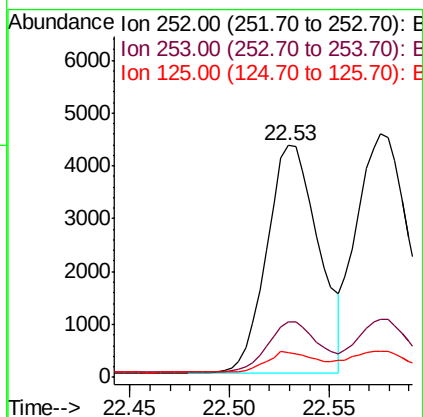
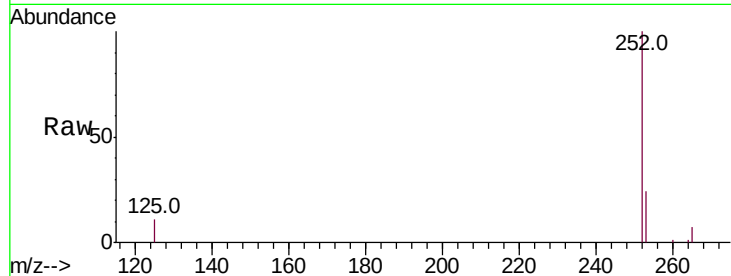
#35  
Benzo(b)fluoranthene  
Concen: 0.383 ng  
RT: 22.53 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 7787  
Ion Ratio Lower Upper  
252 100  
253 23.7 20.0 30.0  
125 10.8 16.0 24.0#

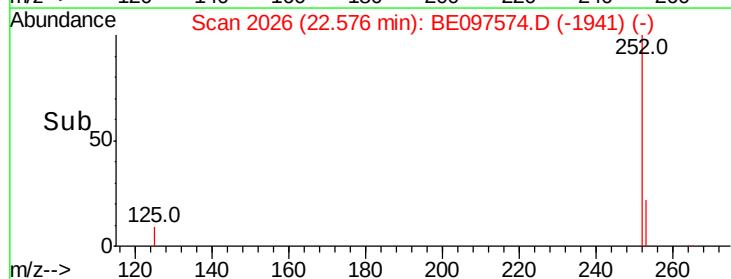
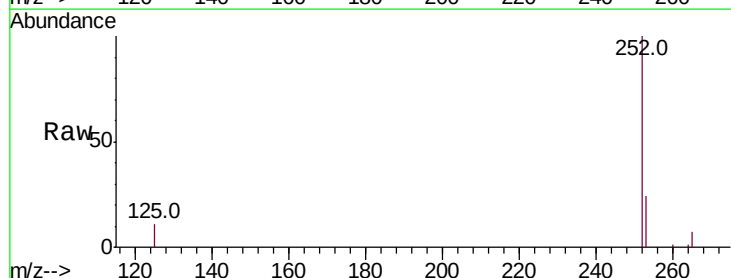
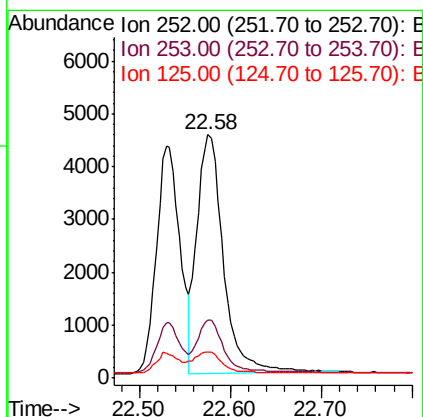
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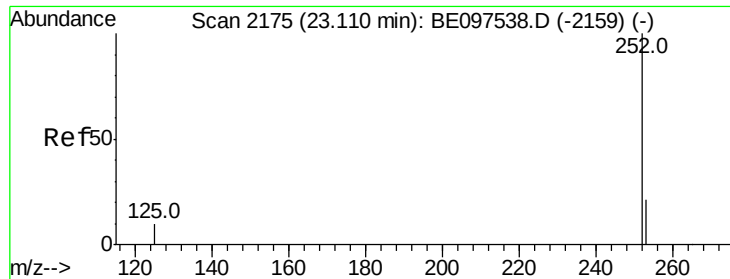
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#36  
Benzo(k)fluoranthene  
Concen: 0.390 ng  
RT: 22.58 min Scan# 2026  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Tgt Ion:252 Resp: 9062  
Ion Ratio Lower Upper  
252 100  
253 23.8 16.0 24.0  
125 10.9 8.0 12.0





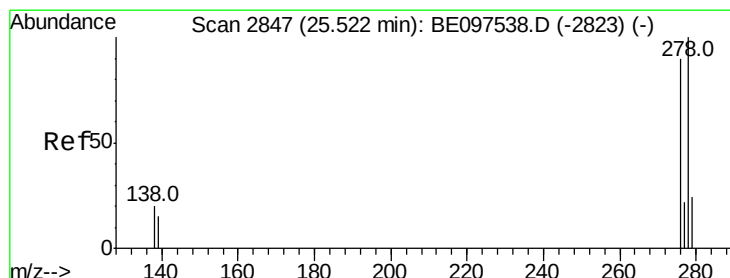
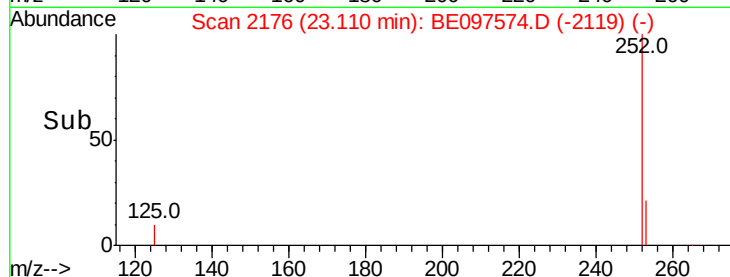
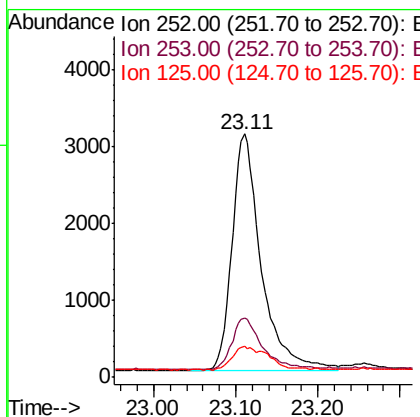
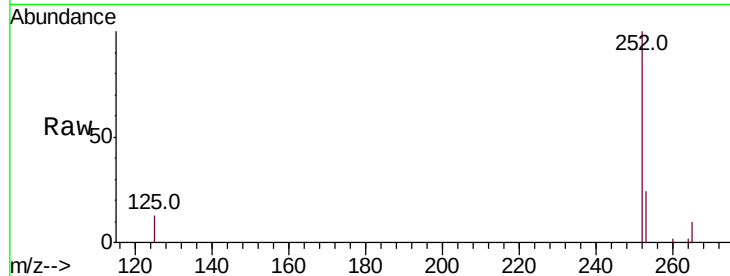
#37  
Benzo(a)pyrene  
Concen: 0.386 ng  
RT: 23.11 min Scan# 2176  
Delta R.T. 0.00 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 16.0  | 24.0# |
| 125     | 12.6  | 12.0  | 18.0  |

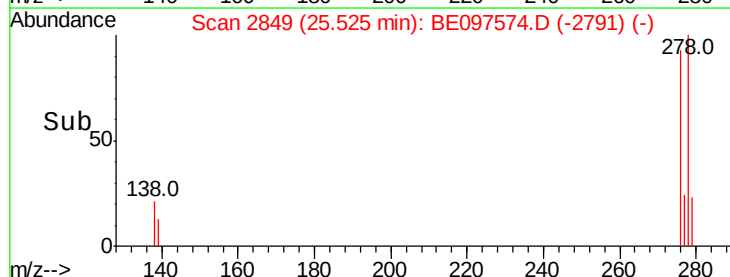
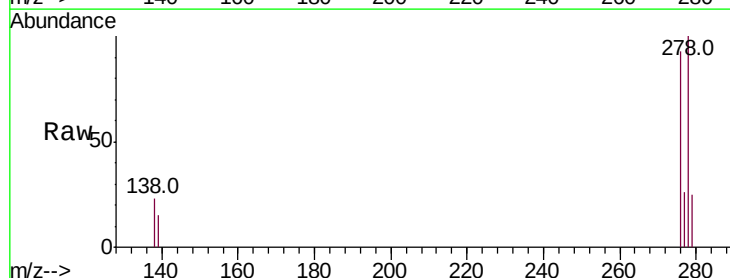
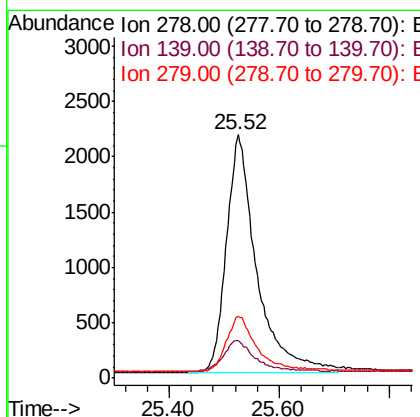
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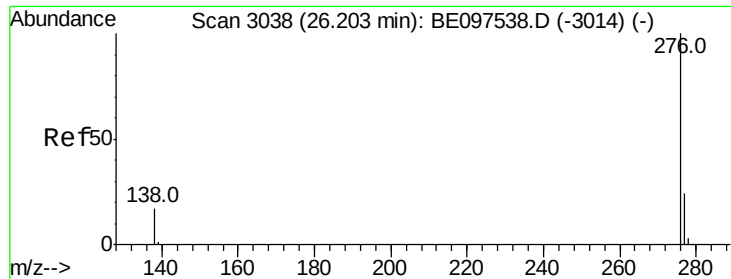
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.388 ng  
RT: 25.52 min Scan# 2849  
Delta R.T. 0.01 min  
Lab File: BE097574.D  
Acq: 20 Sep 2018 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.3  | 16.0  | 24.0# |
| 279     | 25.4  | 20.0  | 30.0  |





#39  
 Benzo(a,h,i)perylene  
 Concen: 0.389 ng  
 RT: 26.21 min Scan# 3041  
 Delta R.T. 0.01 min  
 Lab File: BE097574.D  
 Acq: 20 Sep 2018 13:06

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.1  | 16.0  | 24.0  |
| 138     | 20.7  | 20.0  | 30.0  |

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