

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE031017\  
 Data File : BE092816.D  
 Acq On : 10 Mar 2017 20:30  
 Operator : SJ/MA  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

mohammad  
 3/13/2017 4:30:52 PM

Quant Time: Mar 10 23:05:46 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE030617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 06 15:46:01 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 10557    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.88 | 136  | 47437    | 5.00 | ng    | -0.02    |
| 12) Acenaphthene-d10           | 14.75 | 164  | 30868    | 5.00 | ng    | -0.02    |
| 18) Phenanthrene-d10           | 17.51 | 188  | 67430    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12               | 21.68 | 240  | 81699    | 5.00 | ng    | -0.02    |
| 31) Perylene-d12               | 24.01 | 264  | 76822    | 5.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.64  | 112  | 607      | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                   | 7.33  | 99   | 645      | 0.24 | ng    | 0.02     |
| 8) Nitrobenzene-d5             | 9.32  | 82   | 864      | 0.30 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 16.27 | 330  | 224      | 0.28 | ng    | -0.01    |
| 14) 2-Fluorobiphenyl           | 13.39 | 172  | 2847     | 0.39 | ng    | -0.01    |
| 26) Terphenyl-d14              | 20.14 | 244  | 3977     | 0.40 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.33  | 88   | 611      | 0.38 | ng    | 96       |
| 3) n-Nitrosodimethylamine      | 3.73  | 42   | 458      | 0.26 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether     | 7.54  | 93   | 1229     | 0.42 | ng    | # 62     |
| 9) Naphthalene                 | 10.93 | 128  | 4197     | 0.41 | ng    | 99       |
| 10) Hexachlorobutadiene        | 11.20 | 225  | 625      | 0.43 | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.59 | 142  | 2472     | 0.38 | ng    | 96       |
| 15) Acenaphthylene             | 14.48 | 152  | 18179    | 0.38 | ng    | 99       |
| 16) Acenaphthene               | 14.82 | 154  | 2636     | 0.40 | ng    | 84       |
| 17) Fluorene                   | 15.81 | 166  | 3423     | 0.38 | ng    | 98       |
| 19) Hexachlorobenzene          | 16.82 | 284  | 1028     | 0.37 | ng    | 92       |
| 20) Pentachlorophenol          | 17.21 | 266  | 131      | 0.21 | ng    | # 87     |
| 21) Phenanthrene               | 17.56 | 178  | 6021     | 0.37 | ng    | 96       |
| 22) Anthracene                 | 17.65 | 178  | 5963     | 0.37 | ng    | 100      |
| 23) Fluoranthene               | 19.56 | 202  | 28942    | 0.37 | ng    | 99       |
| 25) Pyrene                     | 19.92 | 202  | 30274    | 0.41 | ng    | 100      |
| 27) Benzo(a)anthracene         | 21.66 | 228  | 40451m   | 0.54 | ng    |          |
| 28) Chrysene                   | 21.72 | 228  | 25541m   | 0.34 | ng    |          |
| 29) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 2270     | 0.34 | ng    | # 73     |
| 30) Indeno(1,2,3-cd)pyrene     | 26.48 | 276  | 32811    | 0.40 | ng    | 99       |
| 32) Benzo(b)fluoranthene       | 23.29 | 252  | 7491     | 0.37 | ng    | 98       |
| 33) Benzo(k)fluoranthene       | 23.34 | 252  | 8765     | 0.43 | ng    | 96       |
| 34) Benzo(a)pyrene             | 23.90 | 252  | 7464     | 0.40 | ng    | 98       |
| 35) Dibenzo(a,h)anthracene     | 26.51 | 278  | 6464     | 0.36 | ng    | 97       |
| 36) Benzo(g,h,i)perylene       | 27.23 | 276  | 29420    | 0.39 | ng    | 98       |

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

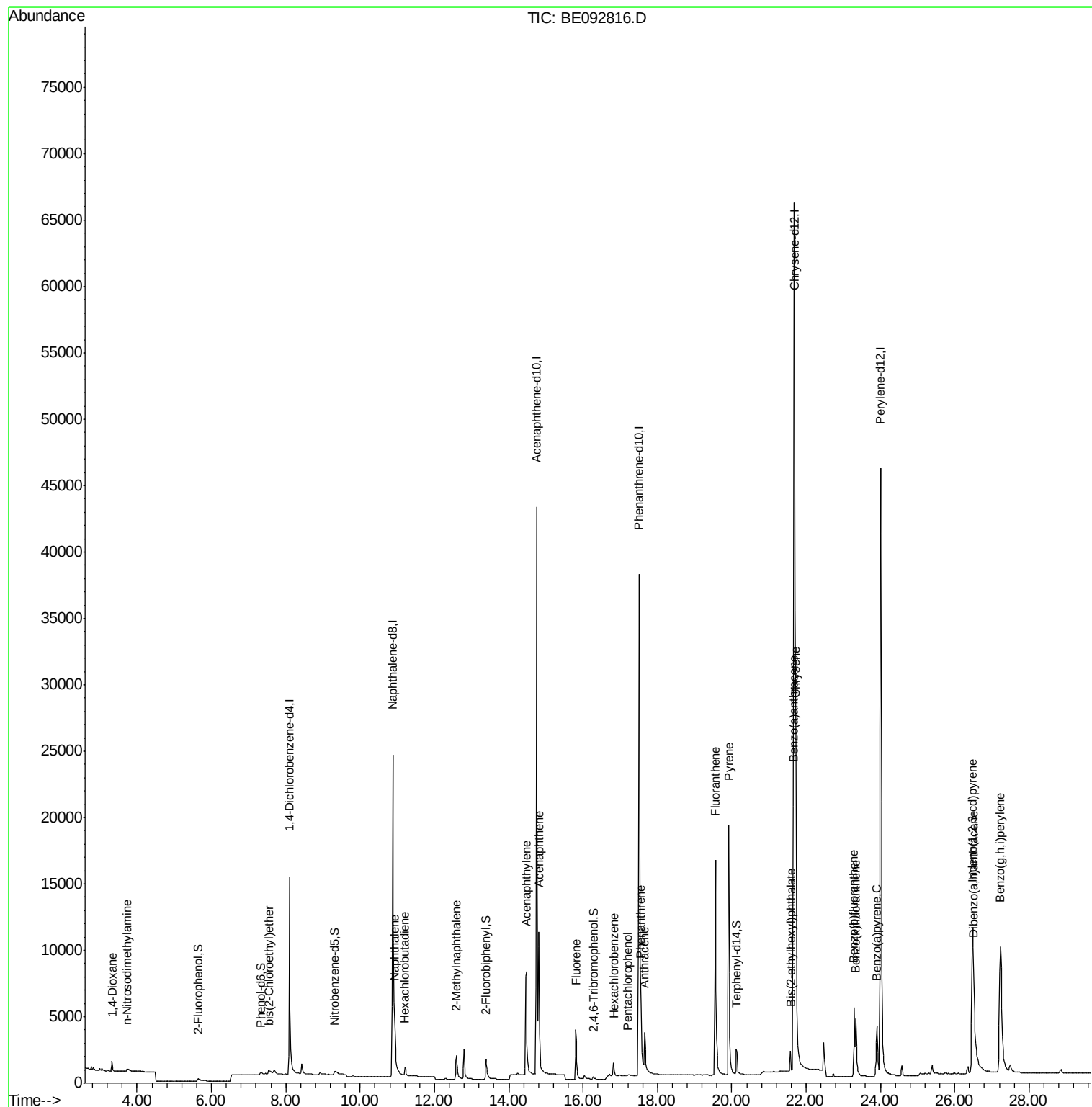
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE031017\  
Data File : BE092816.D  
Acq On : 10 Mar 2017 20:30  
Operator : SJ/MA  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

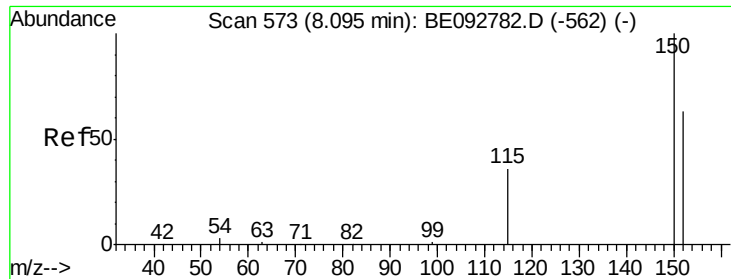
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

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Quant Time: Mar 10 23:05:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE030617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 06 15:46:01 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

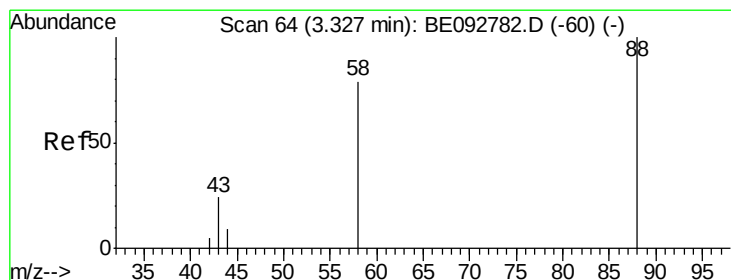
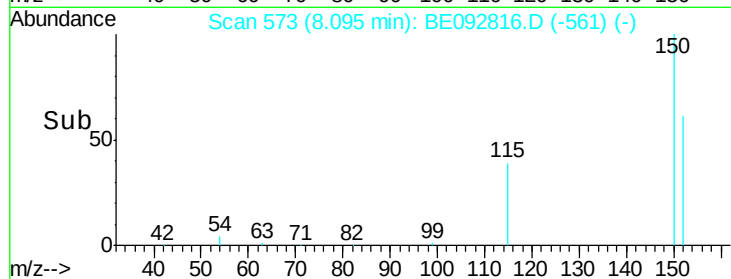
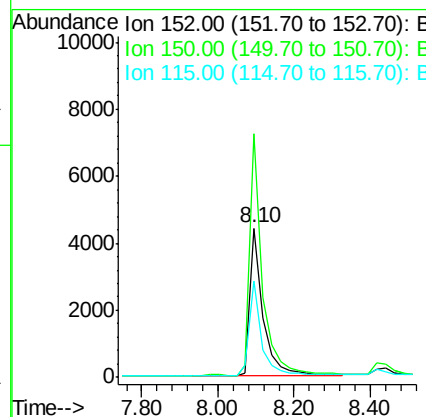
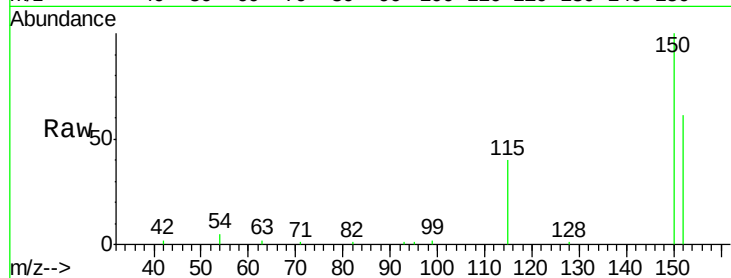
ClientSampleId :

SSTDCCC0.4EC

|     |     |       |       |        |
|-----|-----|-------|-------|--------|
| Tgt | Ion | 152   | Resp: | 10557  |
|     | Ion | Ratio | Lower | Upper  |
|     | 152 | 100   |       |        |
|     | 150 | 162.9 | 106.0 | 159.0# |
|     | 115 | 64.7  | 31.2  | 46.8#  |

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#2

1,4-Dioxane

Concen: 0.38 ng

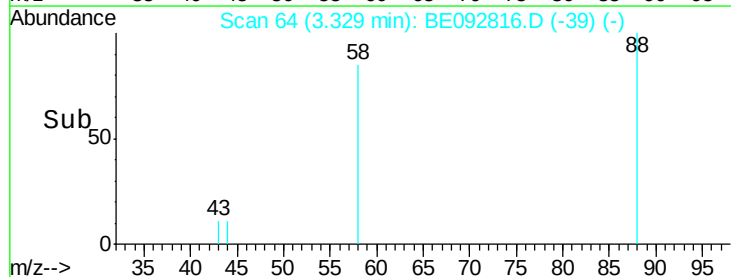
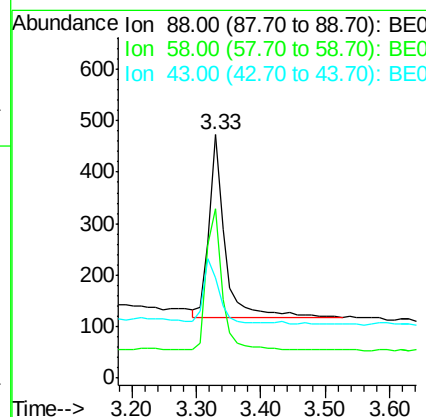
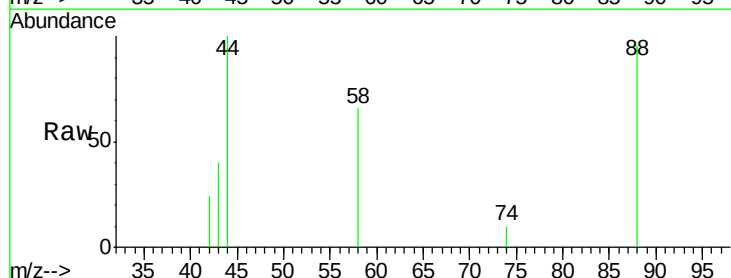
RT: 3.33 min Scan# 64

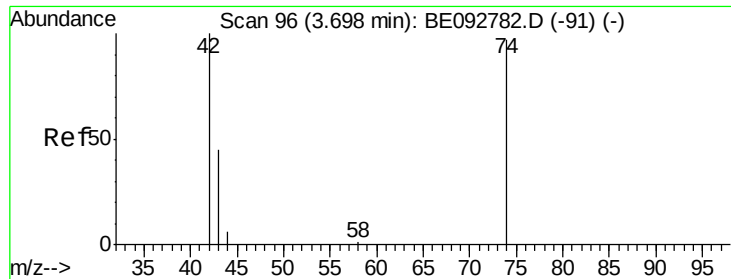
Delta R.T. -0.01 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|     |     |       |       |       |
|-----|-----|-------|-------|-------|
| Tgt | Ion | 88    | Resp: | 611   |
|     | Ion | Ratio | Lower | Upper |
|     | 88  | 100   |       |       |
|     | 58  | 75.9  | 63.6  | 95.4  |
|     | 43  | 37.0  | 28.0  | 42.0  |





#3

n-Nitrosodimethylamine

Concen: 0.26 ng

RT: 3.73 min Scan# 99

Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

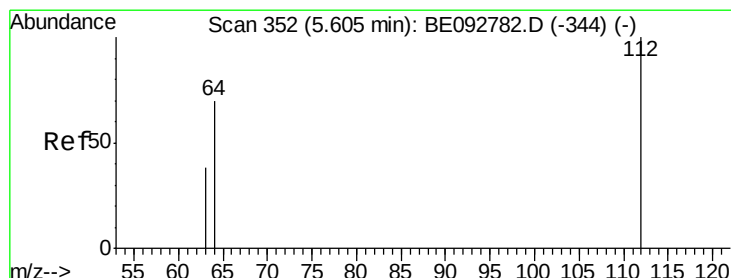
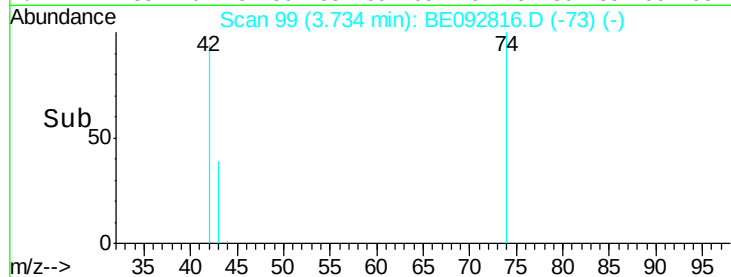
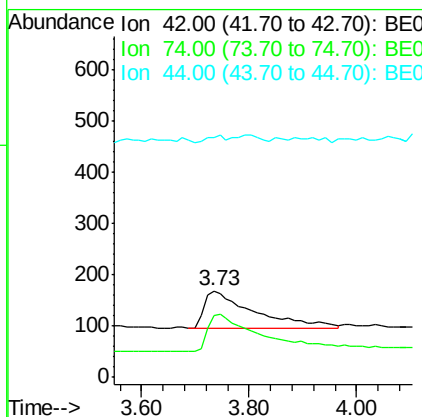
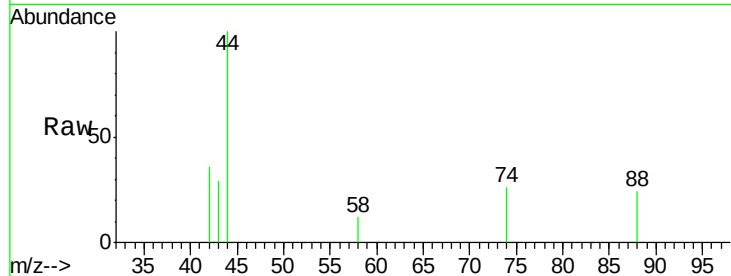
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 458   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 110.3 | 86.0  | 129.0 |
| 44       | 5.9   | 5.1   | 7.7   |

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#4

2-Fluorophenol

Concen: 0.27 ng

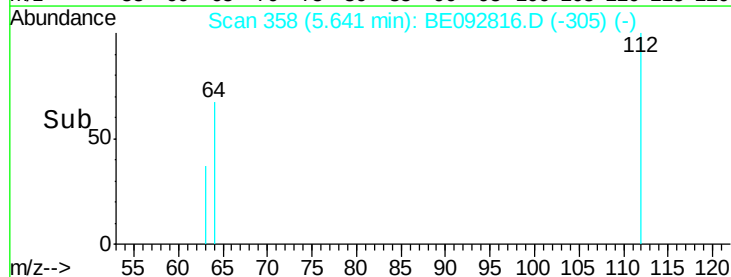
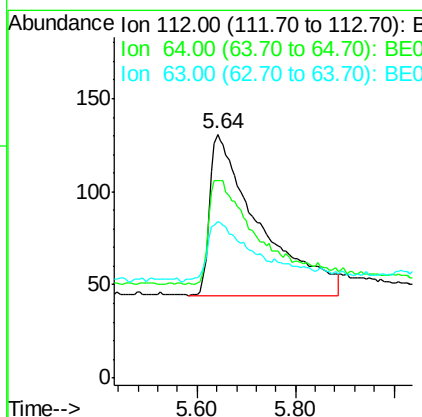
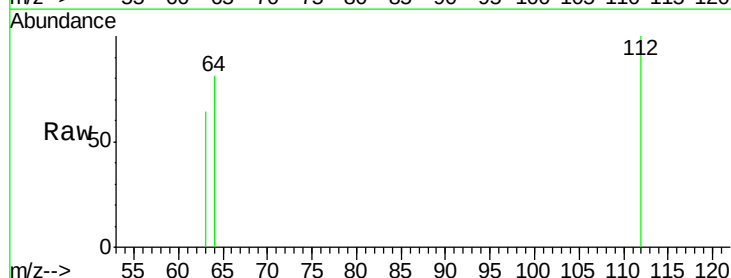
RT: 5.64 min Scan# 358

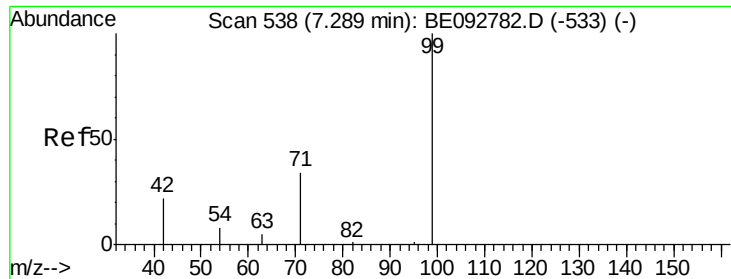
Delta R.T. 0.01 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 607   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 62.8  | 53.5  | 80.3  |
| 63       | 29.3  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 0.24 ng

RT: 7.33 min Scan# 540

Delta R.T. 0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

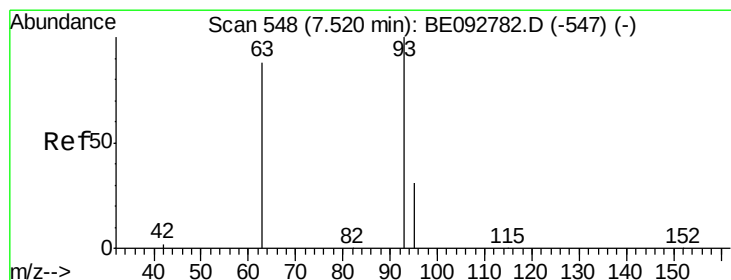
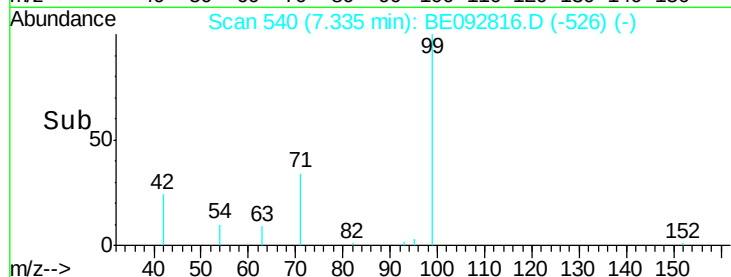
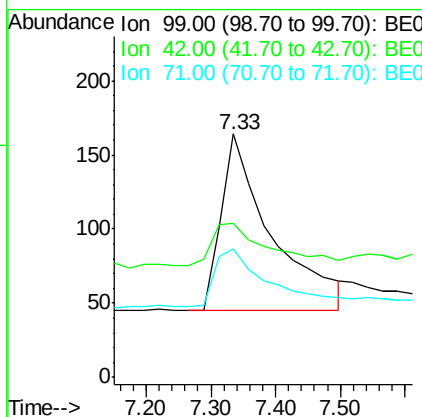
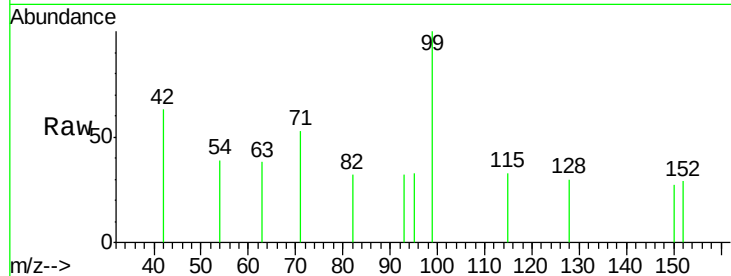
ClientSampleId :

SSTDCCC0.4EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 645   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.3  | 16.0  | 24.0# |
| 71       | 34.3  | 30.6  | 45.8  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.42 ng

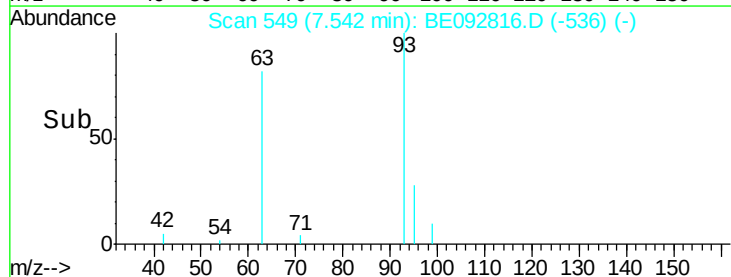
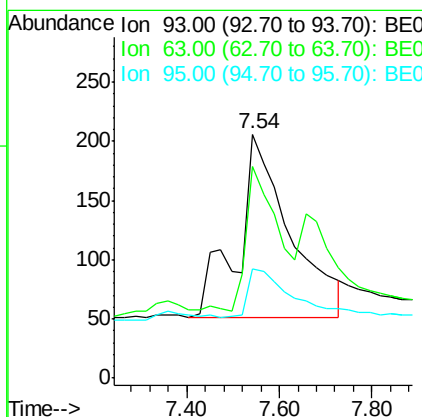
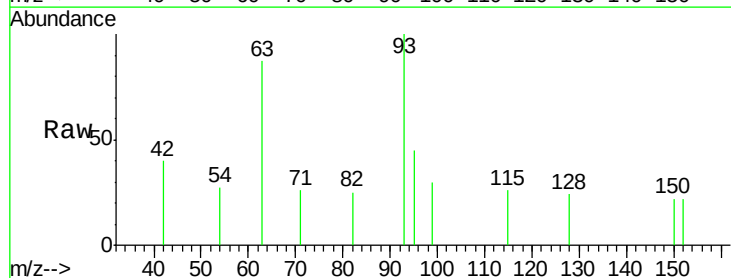
RT: 7.54 min Scan# 549

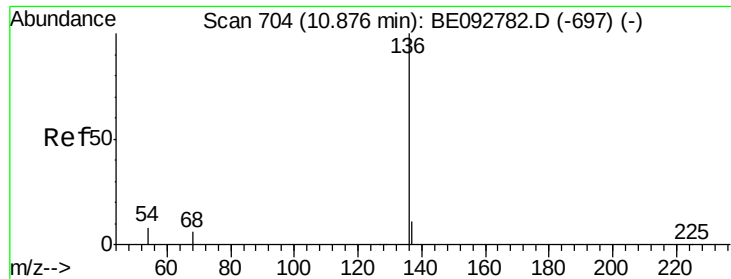
Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 1229   |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 46.7  | 71.6  | 107.4# |
| 95       | 20.8  | 24.0  | 36.0#  |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.88 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

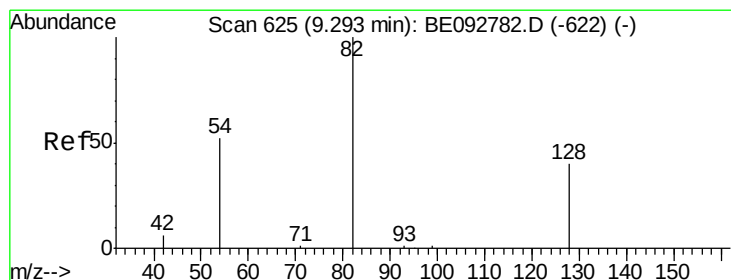
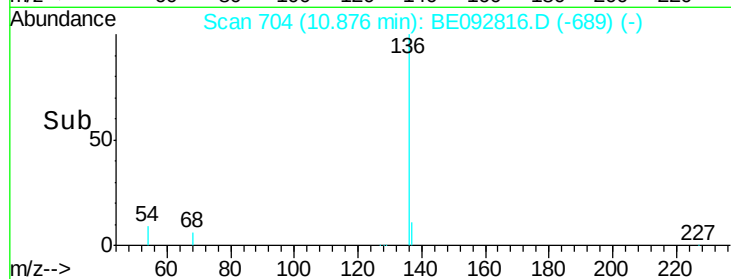
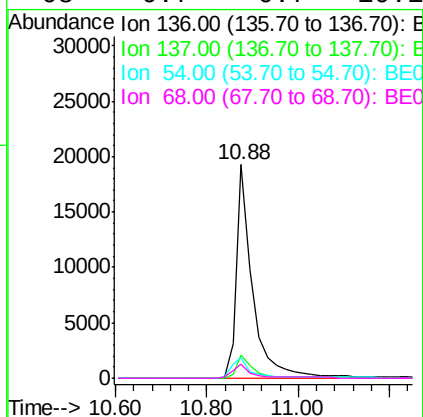
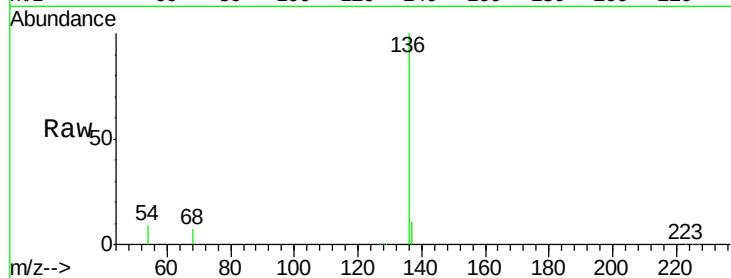
ClientSampleId :

SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.8  | 8.2   | 12.4  |
| 54      | 9.5   | 9.6   | 14.4# |
| 68      | 6.7   | 6.7   | 10.1# |

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#8

Nitrobenzene-d5

Concen: 0.30 ng

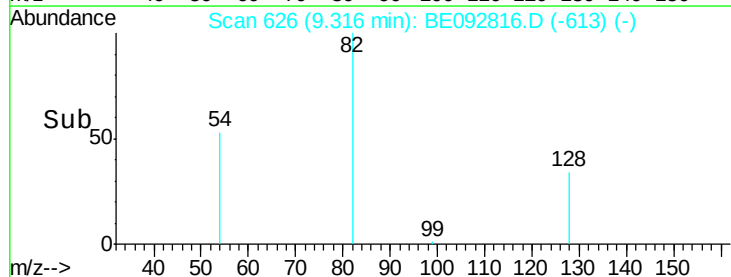
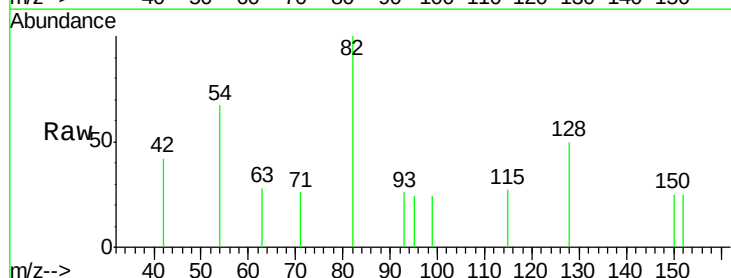
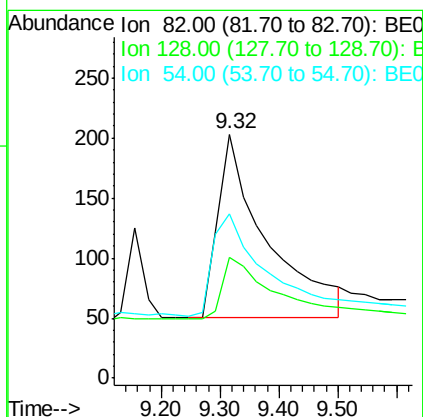
RT: 9.32 min Scan# 626

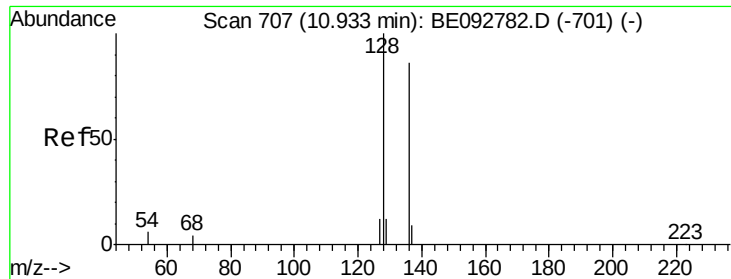
Delta R.T. -0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.8  | 39.0  | 58.4  |
| 54      | 67.5  | 44.8  | 67.2# |





#9

Naphthalene

Concen: 0.41 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

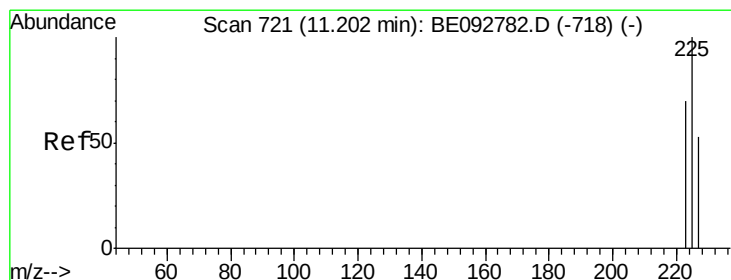
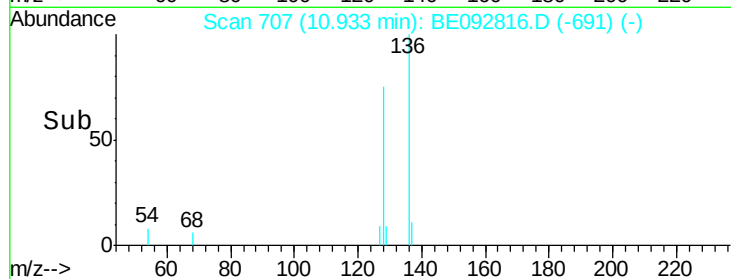
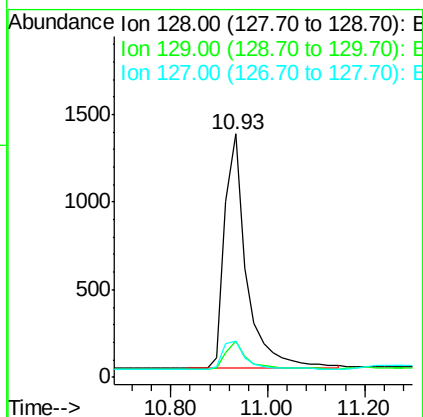
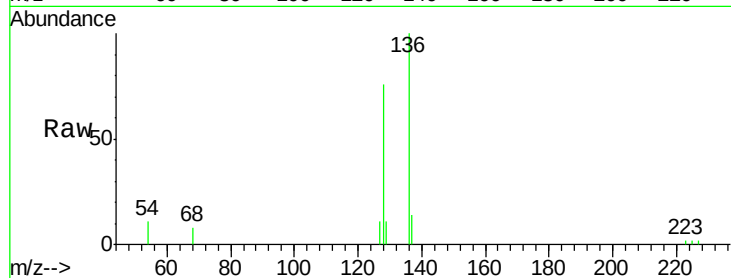
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 4197 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.7  | 11.2  | 16.8 |
| 127       | 14.8  | 11.6  | 17.4 |

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#10

Hexachlorobutadiene

Concen: 0.43 ng

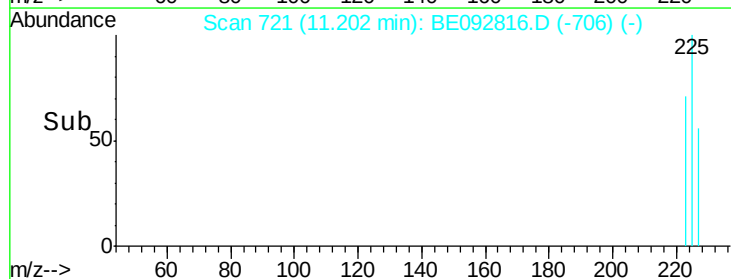
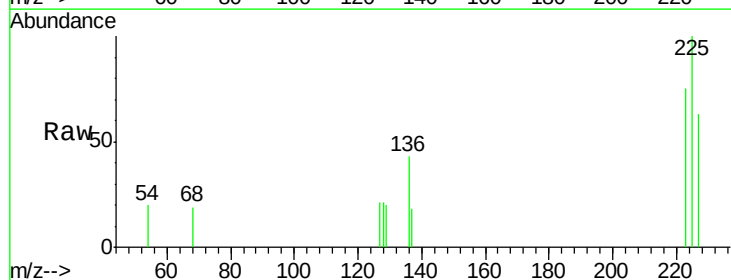
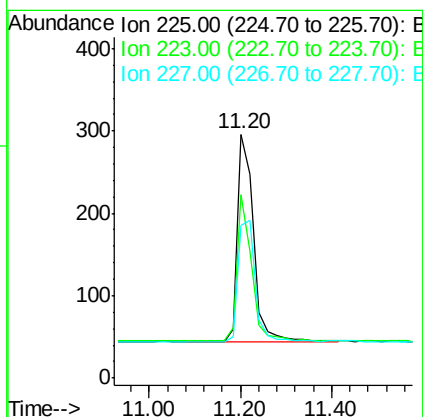
RT: 11.20 min Scan# 721

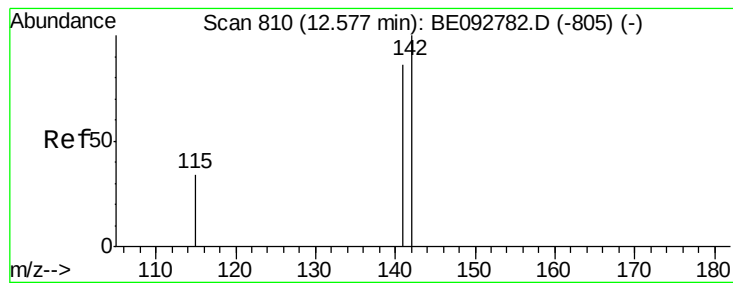
Delta R.T. -0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 625  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.2  | 50.6  | 76.0 |
| 227       | 62.6  | 51.4  | 77.0 |





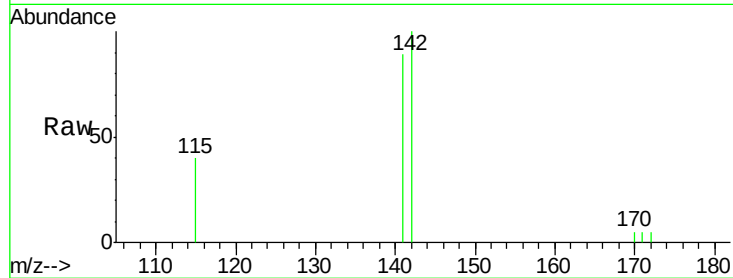
#11  
2-Methylnaphthalene  
Concen: 0.38 ng  
RT: 12.59 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

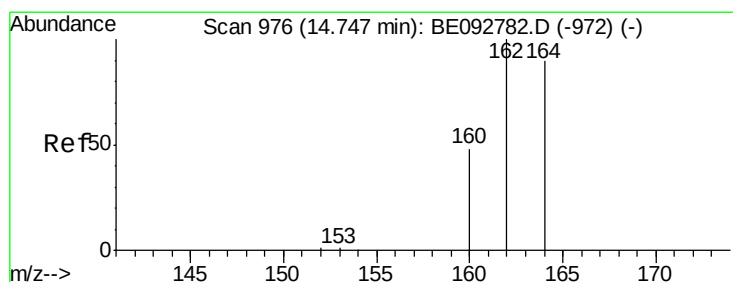
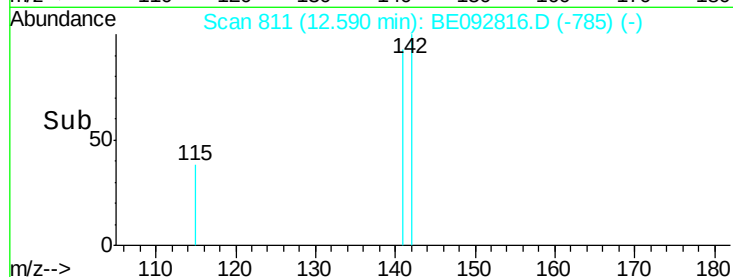
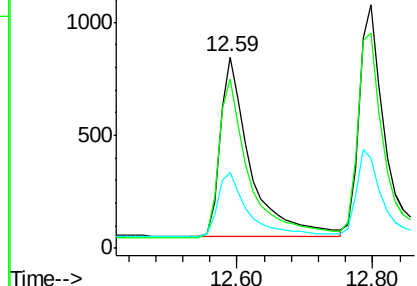
Tgt Ion:142 Resp: 2472  
Ion Ratio Lower Upper  
142 100  
141 88.5 73.7 110.5  
115 39.8 34.0 51.0

Manual Integrations  
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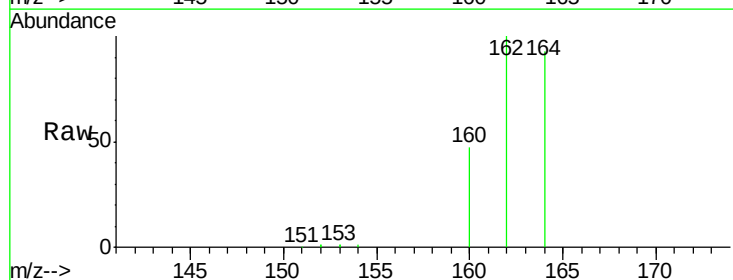


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

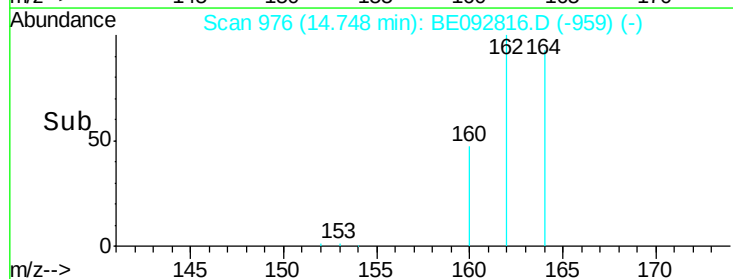
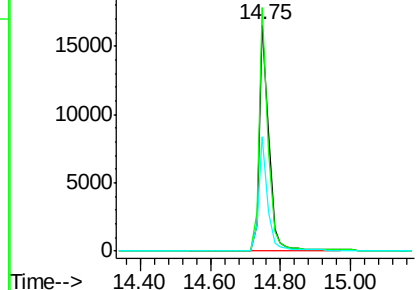


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.75 min Scan# 976  
Delta R.T. -0.02 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

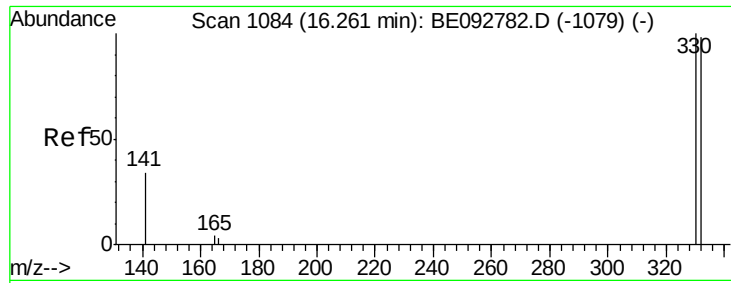
Tgt Ion:164 Resp: 30868  
Ion Ratio Lower Upper  
164 100  
162 107.8 71.4 107.0#  
160 50.8 27.4 41.2#



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







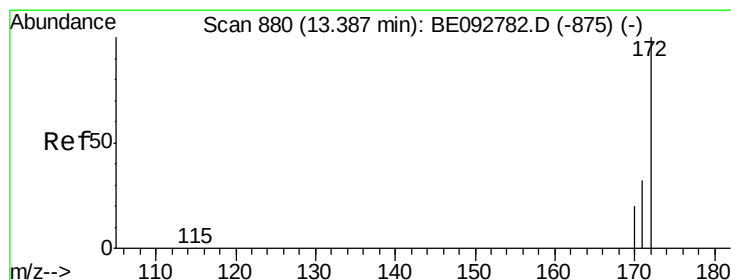
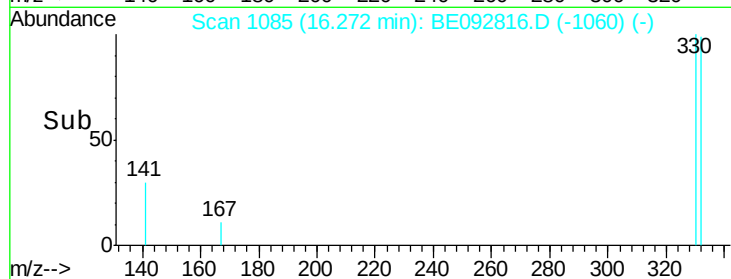
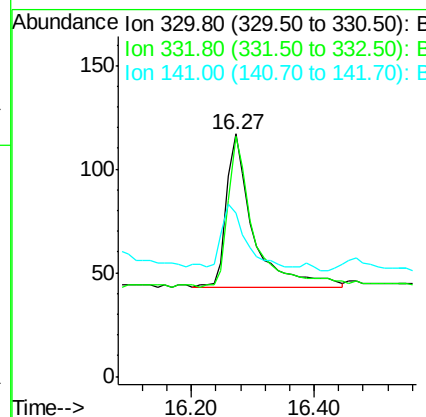
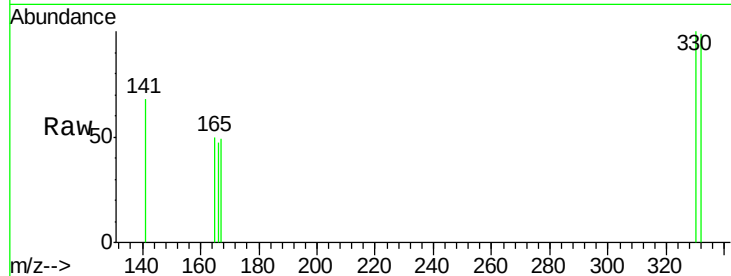
#13  
 2,4,6-Tribromophenol  
 Concen: 0.28 ng  
 RT: 16.27 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion: 330 Resp: 224  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 75.4 113.0  
 141 35.3 31.0 46.6

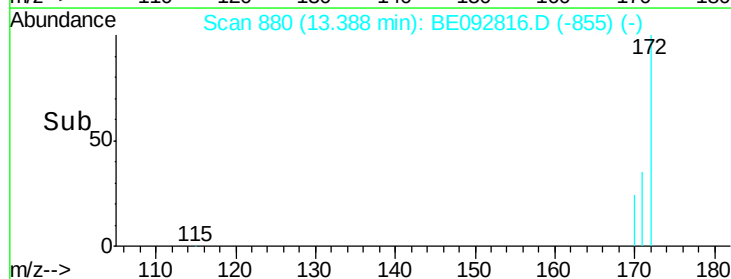
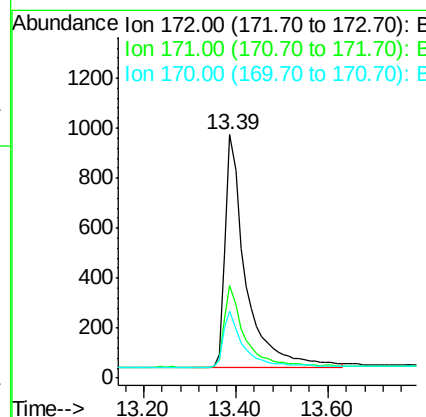
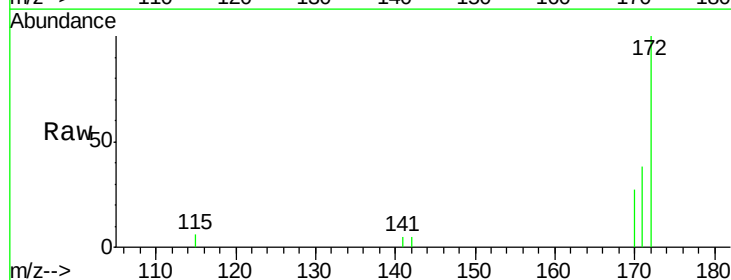
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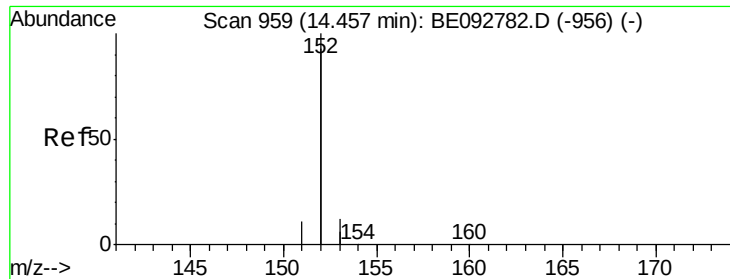
mohammad  
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#14  
 2-Fluorobiphenyl  
 Concen: 0.39 ng  
 RT: 13.39 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

Tgt Ion: 172 Resp: 2847  
 Ion Ratio Lower Upper  
 172 100  
 171 38.2 30.1 45.1  
 170 27.4 21.8 32.6





#15

Acenaphthylene

Concen: 0.38 ng

RT: 14.48 min Scan# 960

Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

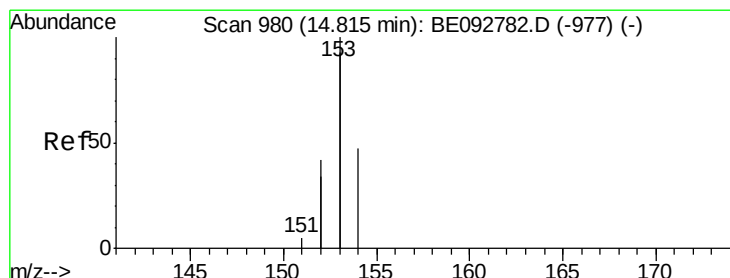
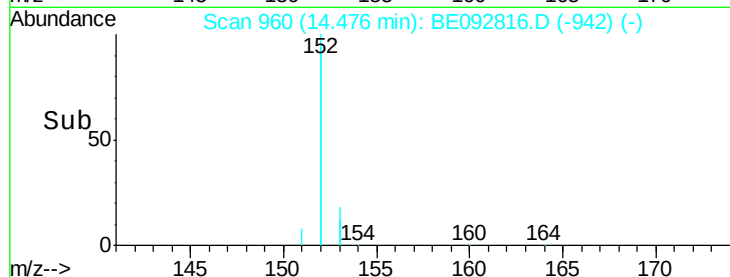
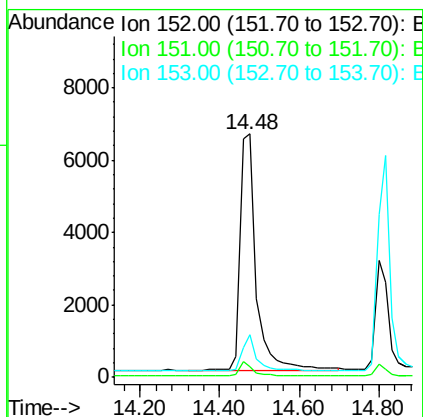
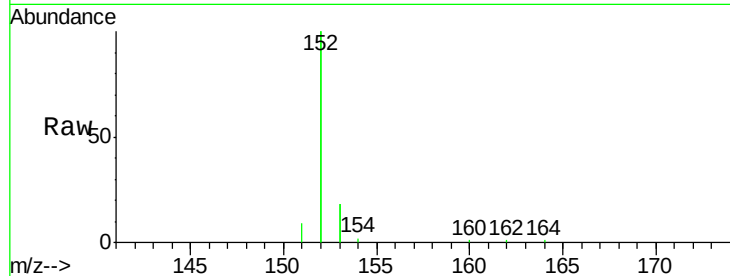
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 18179 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.9   | 3.9   | 5.9   |
| 153       | 12.7  | 10.4  | 15.6  |

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#16

Acenaphthene

Concen: 0.40 ng

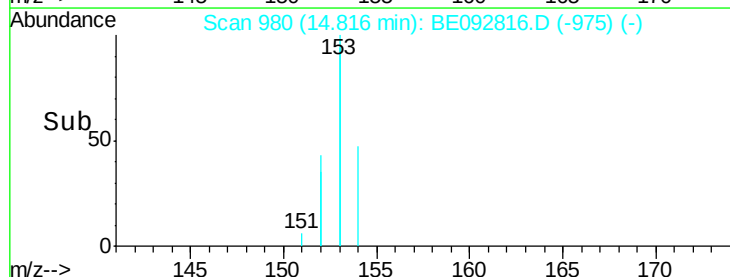
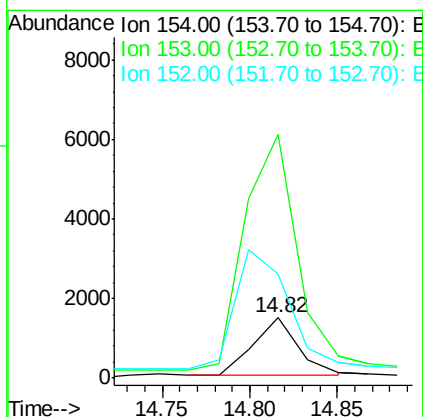
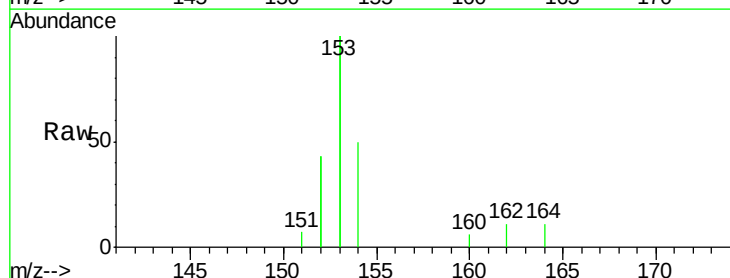
RT: 14.82 min Scan# 980

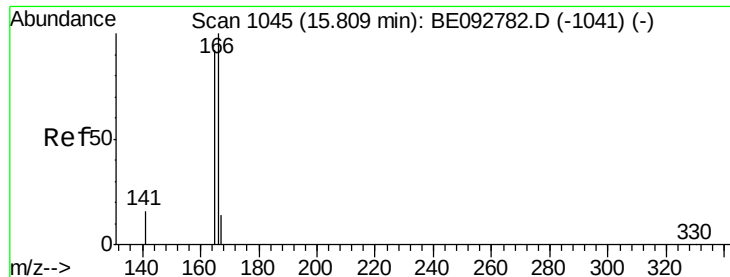
Delta R.T. -0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2636  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 474.2 | 350.8 | 526.2 |
| 152       | 244.0 | 171.1 | 256.7 |





#17

Fluorene

Concen: 0.38 ng

RT: 15.81 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

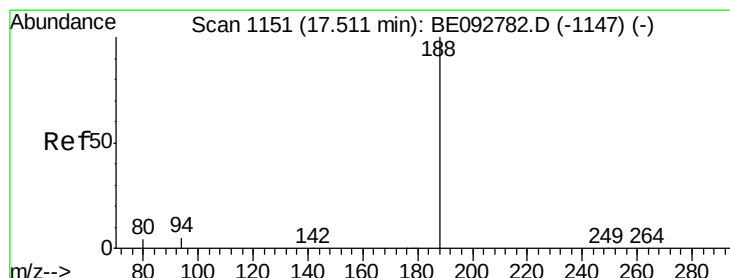
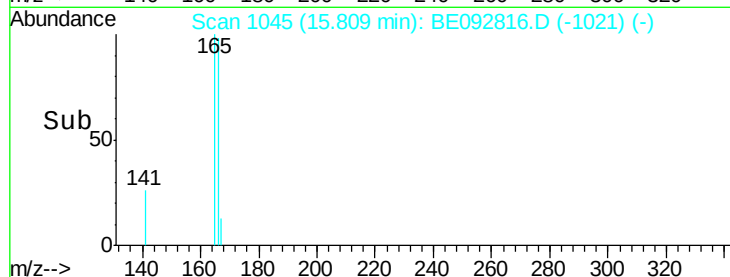
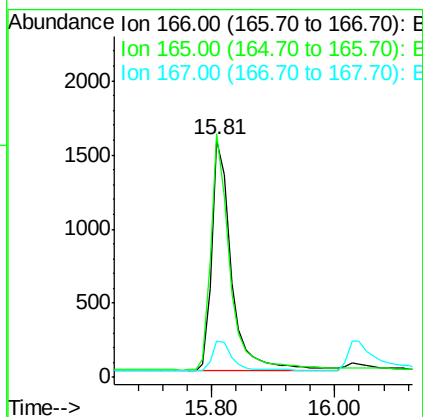
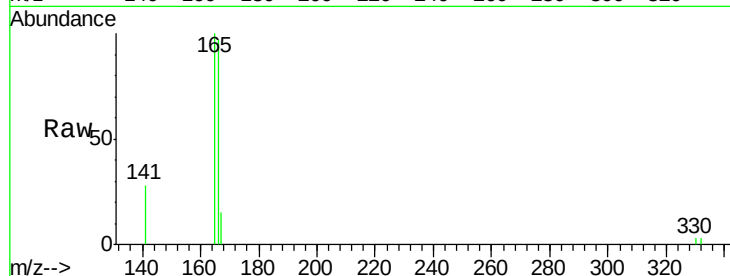
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 3423  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.7  | 78.2  | 117.4 |
| 167       | 13.2  | 11.0  | 16.4  |

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#18

Phenanthrene-d10

Concen: 5.00 ng

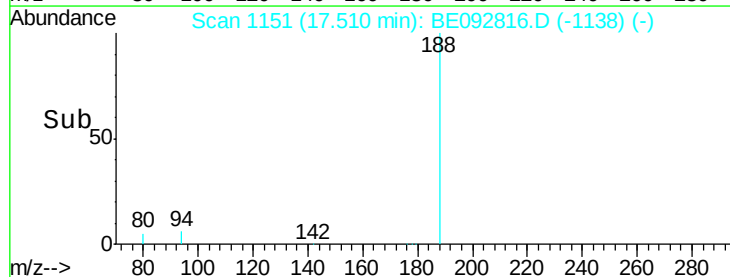
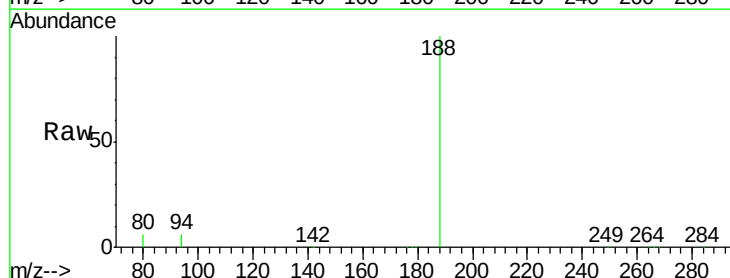
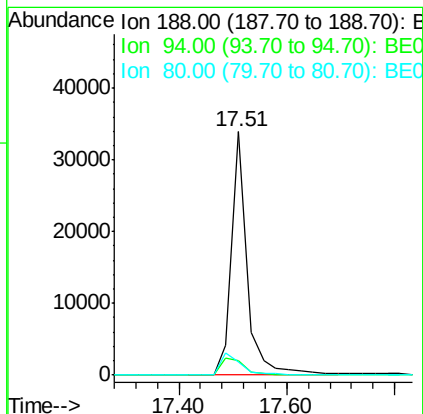
RT: 17.51 min Scan# 1151

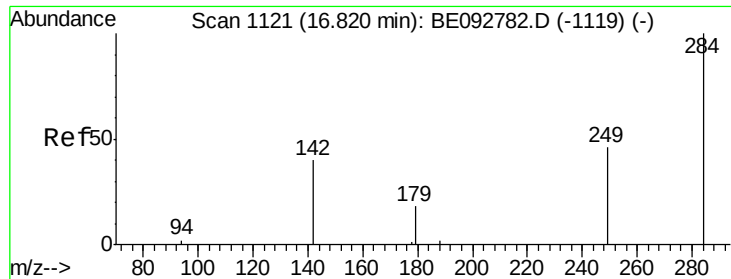
Delta R.T. -0.00 min

Lab File: BE092816.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 67430 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 5.9   | 3.2   | 4.8#  |
| 80        | 5.5   | 2.6   | 3.8#  |





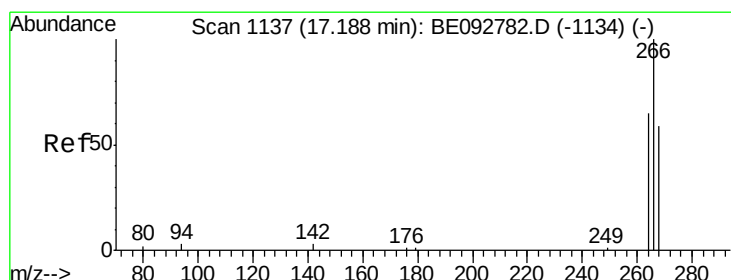
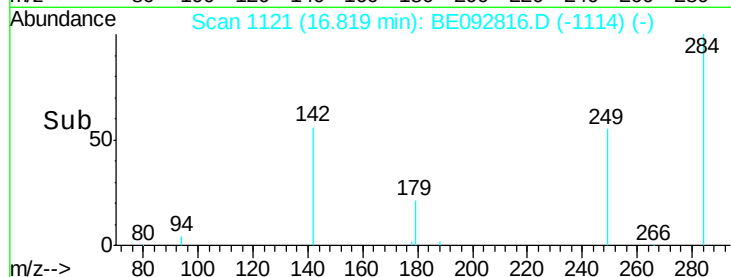
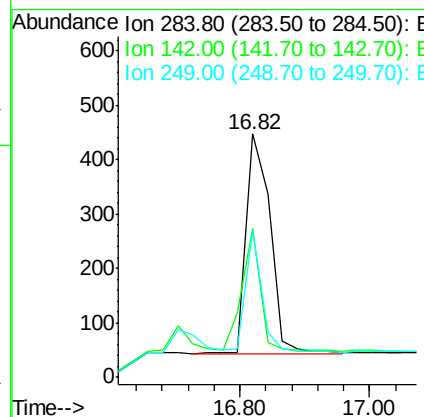
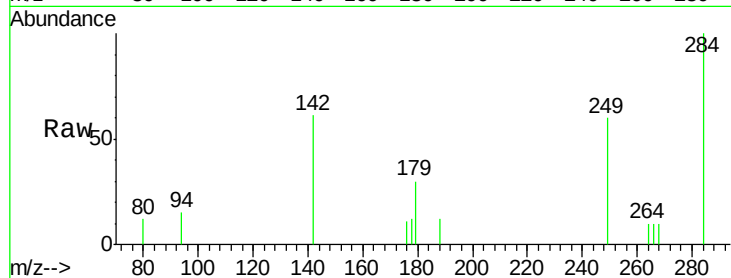
#19  
Hexachlorobenzene  
Concen: 0.37 ng  
RT: 16.82 min Scan# 1121  
Delta R.T. -0.02 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 42.8  | 29.1  | 43.7  |
| 249     | 37.6  | 27.9  | 41.9  |

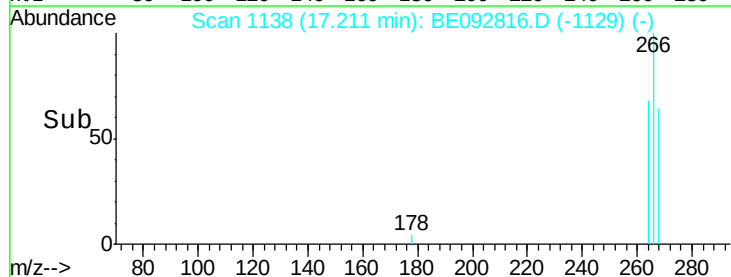
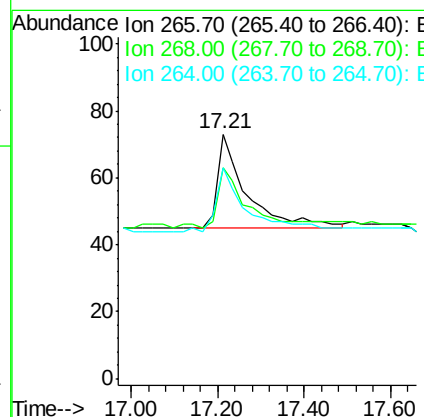
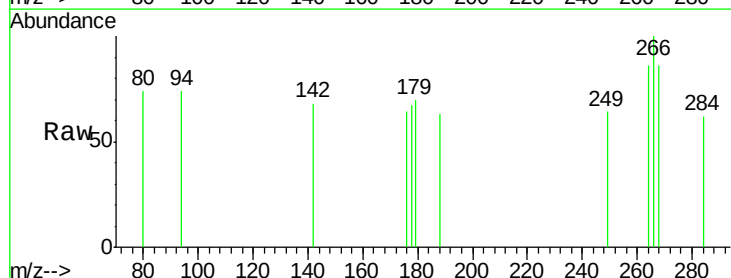
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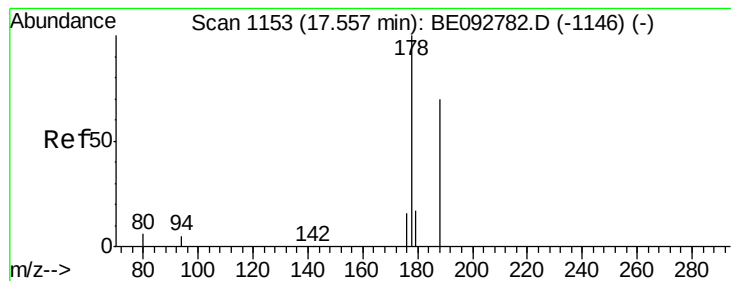
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#20  
Pentachlorophenol  
Concen: 0.21 ng  
RT: 17.21 min Scan# 1138  
Delta R.T. -0.09 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 86.3  | 62.5  | 93.7  |
| 264     | 86.3  | 57.2  | 85.8  |





#21

Phenanthrene

Concen: 0.37 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

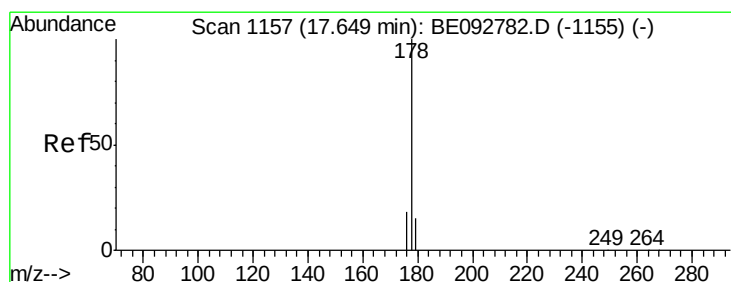
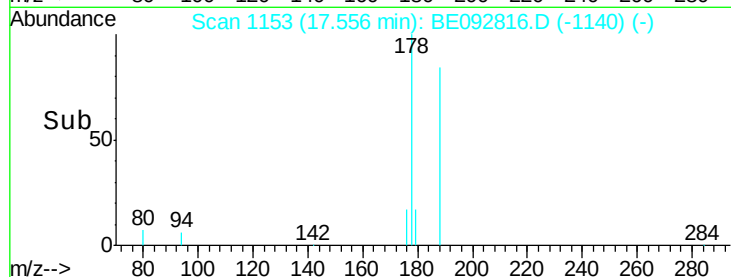
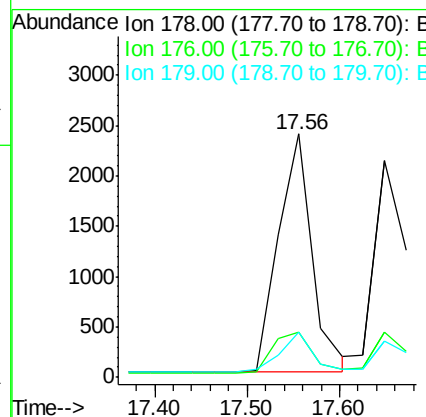
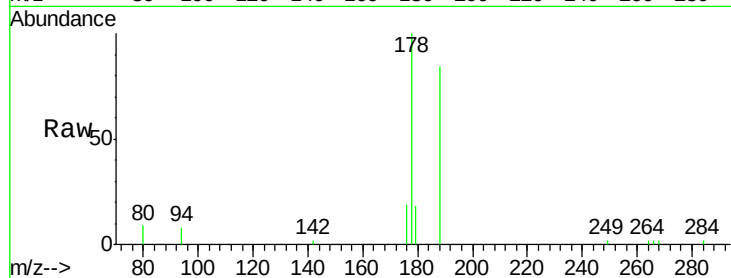
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 6021 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.7  | 15.8  | 23.8 |
| 179       | 16.6  | 16.0  | 24.0 |

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#22

Anthracene

Concen: 0.37 ng

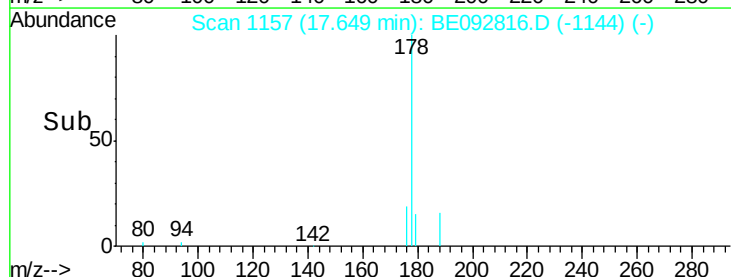
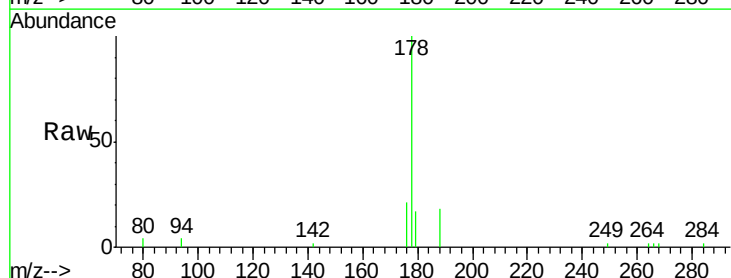
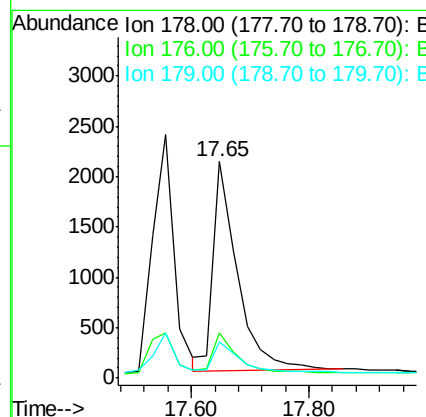
RT: 17.65 min Scan# 1157

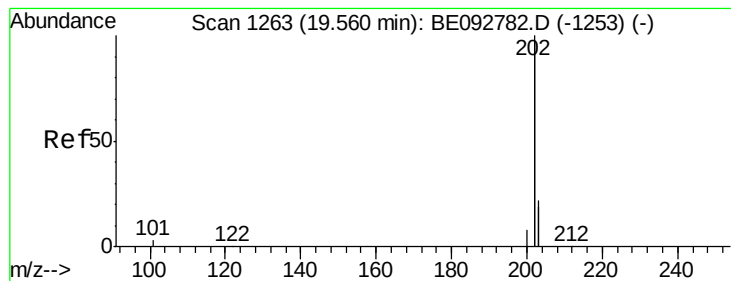
Delta R.T. -0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 5963 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.5  | 15.0  | 22.4 |
| 179       | 15.1  | 12.2  | 18.2 |





#23

Fluoranthene

Concen: 0.37 ng

RT: 19.56 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

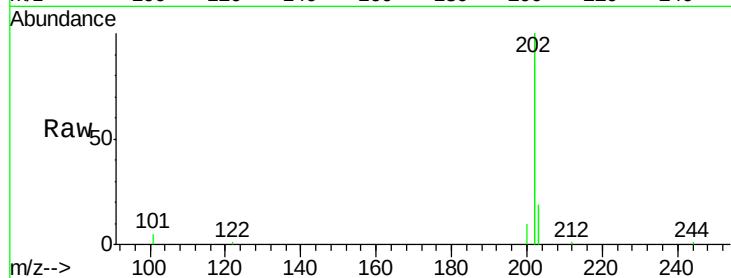
ClientSampleId :

SSTDCCC0.4EC

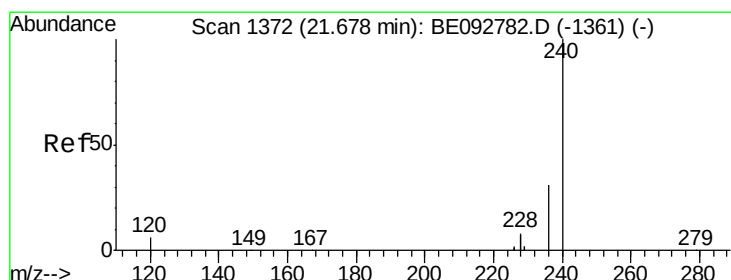
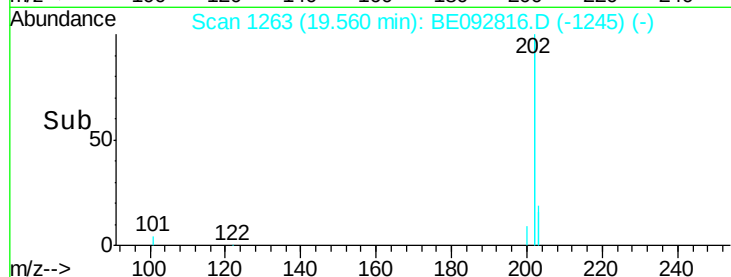
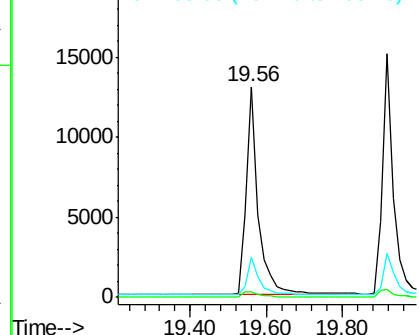
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 28942 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 3.0   | 2.2   | 3.4   |
| 203       | 17.6  | 13.7  | 20.5  |

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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.68 min Scan# 1372

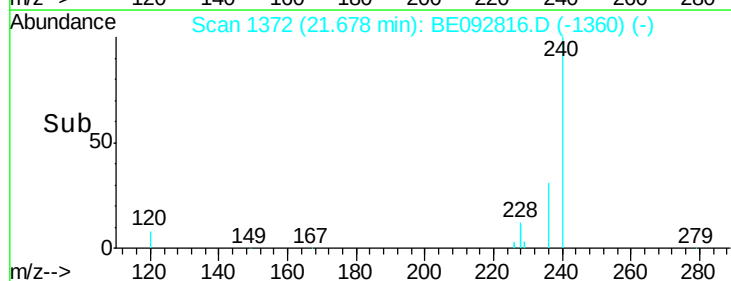
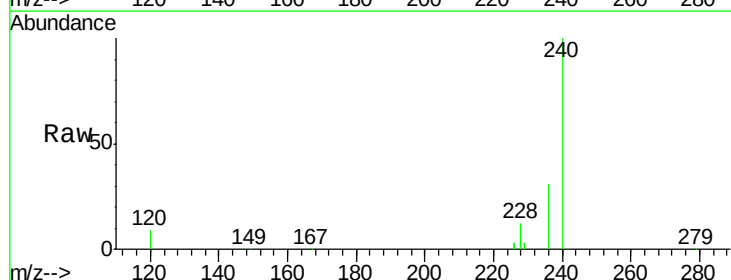
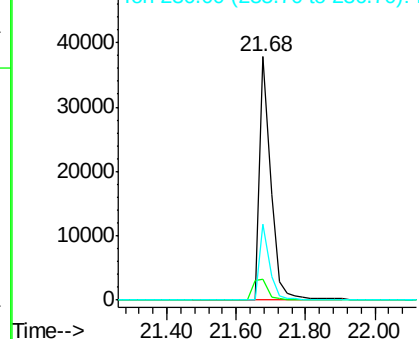
Delta R.T. -0.02 min

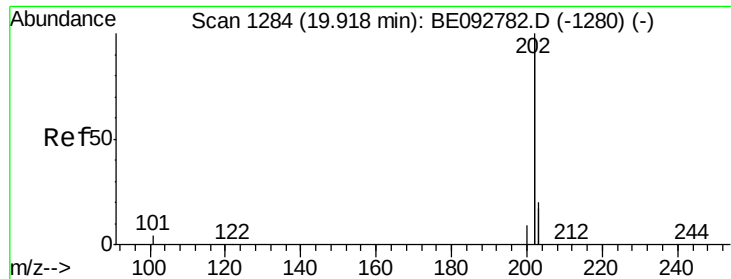
Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 81699 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 8.5   | 2.6   | 4.0#  |
| 236       | 30.9  | 24.6  | 37.0  |

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





#25

Pyrene

Concen: 0.41 ng

RT: 19.92 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

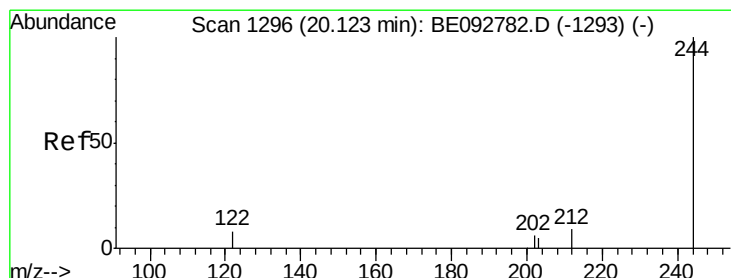
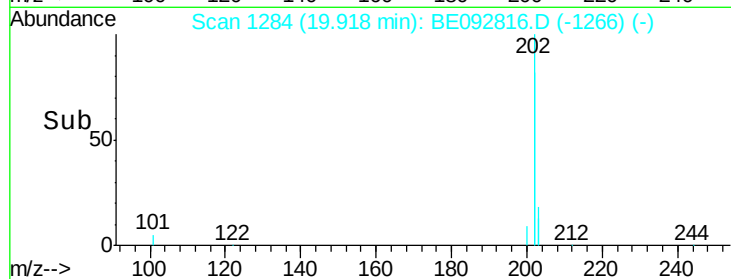
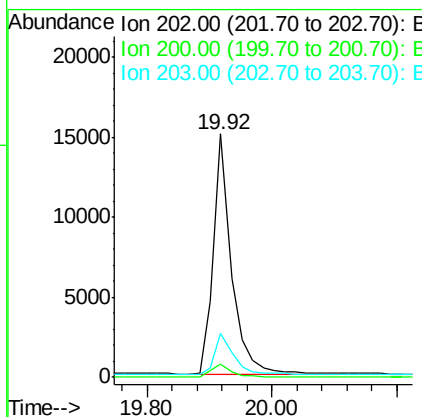
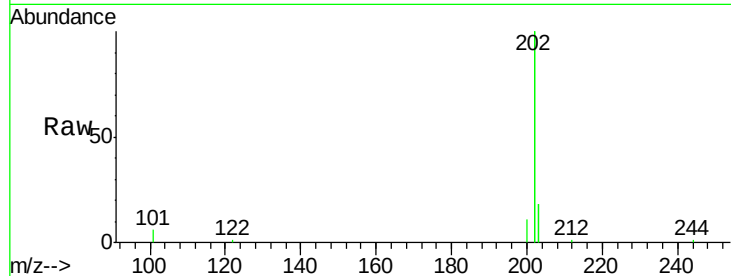
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 30274 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 5.3   | 4.2   | 6.4   |
| 203       | 17.5  | 13.9  | 20.9  |

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#26

Terphenyl-d14

Concen: 0.40 ng

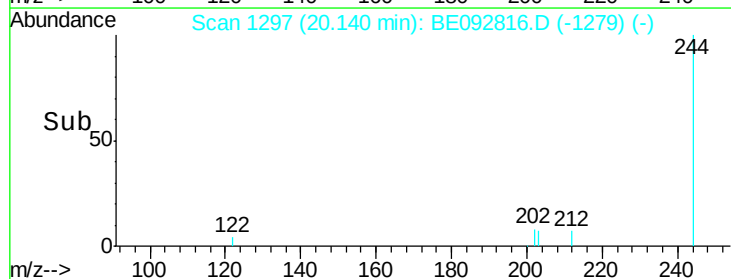
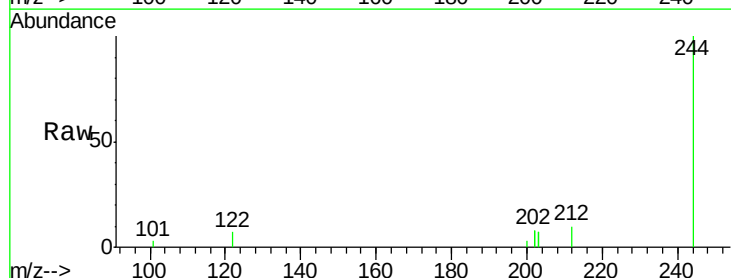
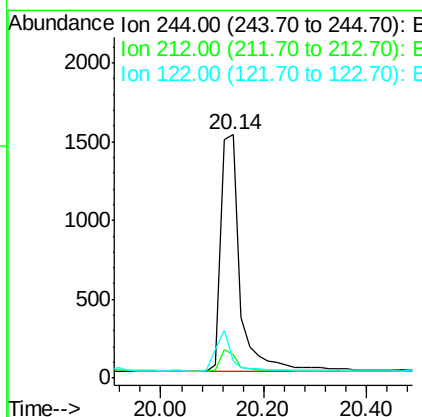
RT: 20.14 min Scan# 1297

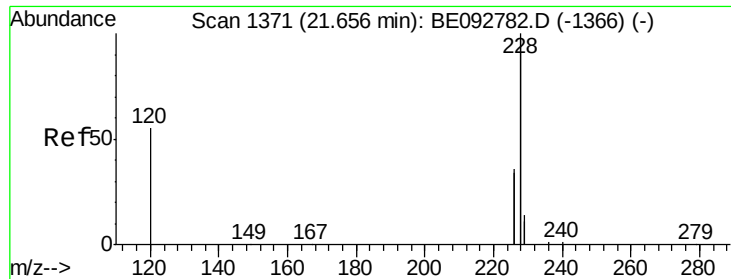
Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 3977 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 9.8   | 6.7   | 10.1 |
| 122       | 7.1   | 3.6   | 5.4# |





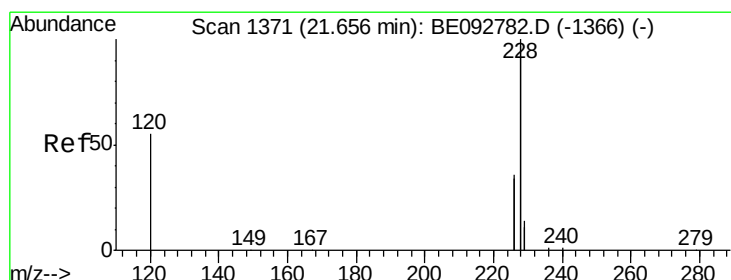
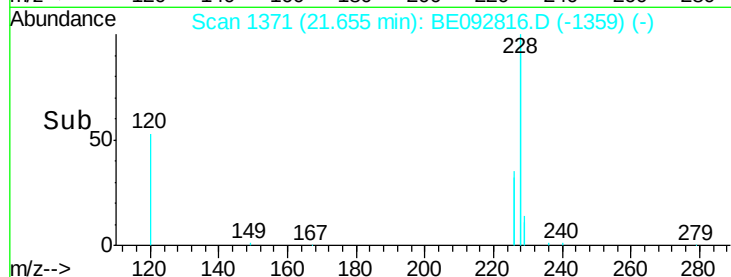
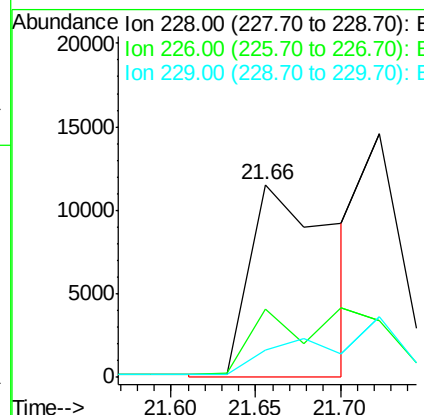
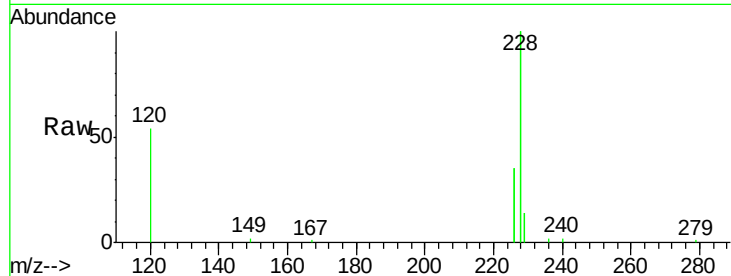
#27  
Benzo(a)anthracene  
Concen: 0.54 ng m  
RT: 21.66 min Scan# 1371  
Delta R.T. -0.02 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 35.1  | 23.6  | 35.4  |
| 229     | 14.2  | 13.3  | 19.9  |

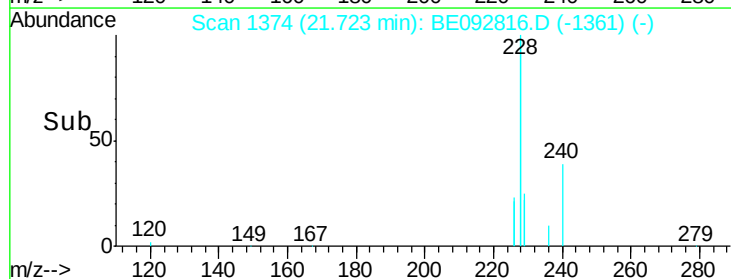
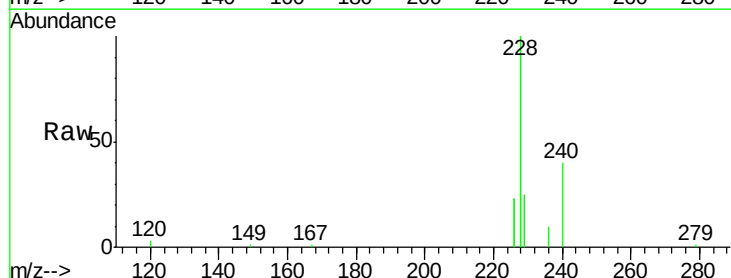
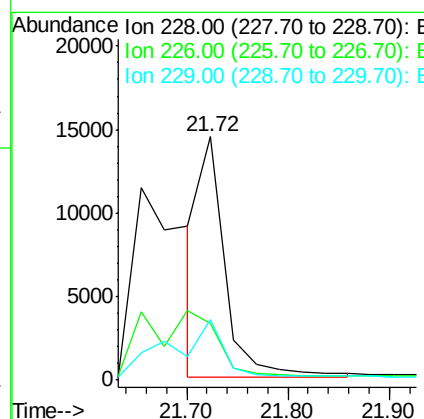
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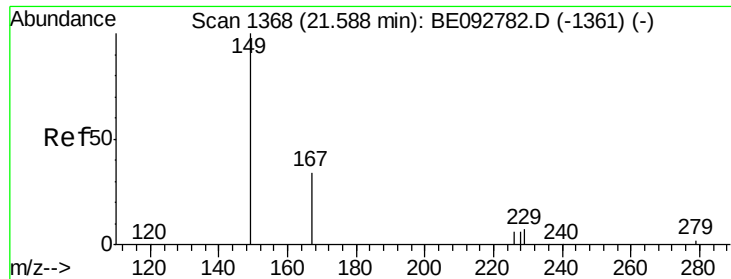


#28  
Chrysene  
Concen: 0.34 ng m  
RT: 21.72 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 23.3  | 36.3  | 54.5# |
| 229     | 24.9  | 10.6  | 16.0# |







#29

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

Instrument :

BNA\_E

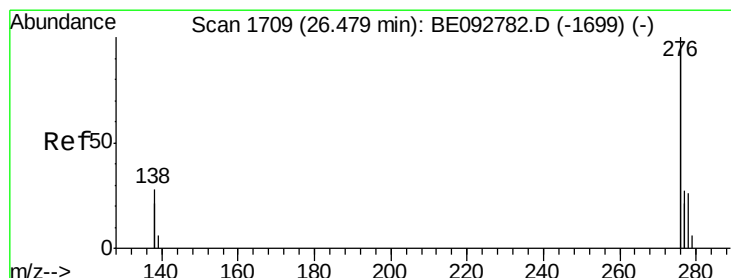
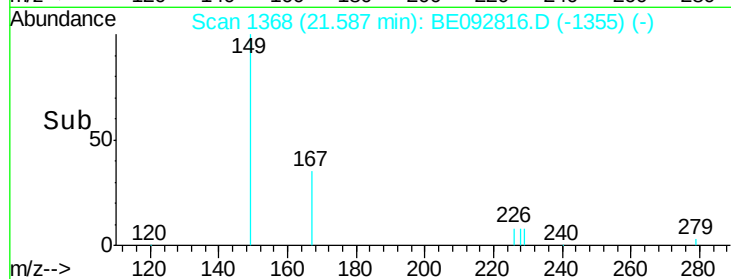
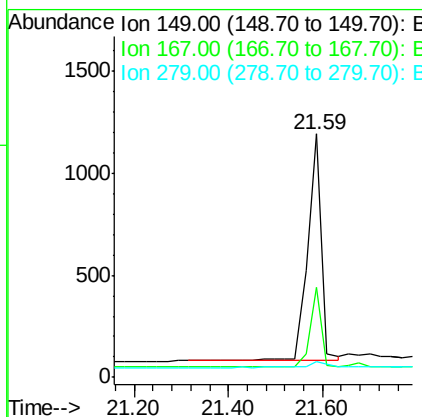
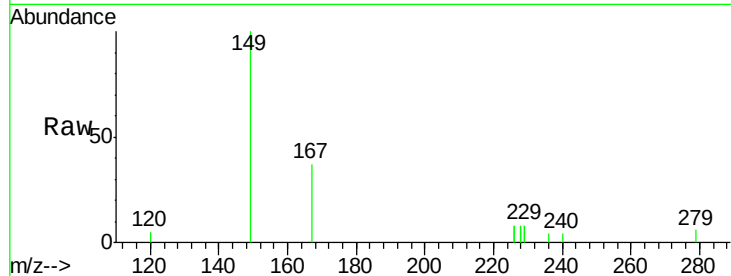
ClientSampleId :

SSTDCCC0.4EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 2270  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 27.7  | 16.0  | 24.0# |
| 279       | 2.6   | 16.0  | 24.0# |

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#30

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng

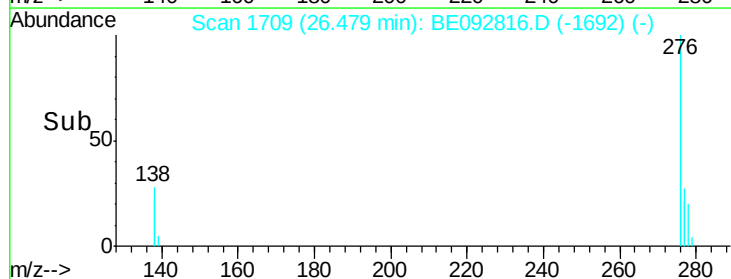
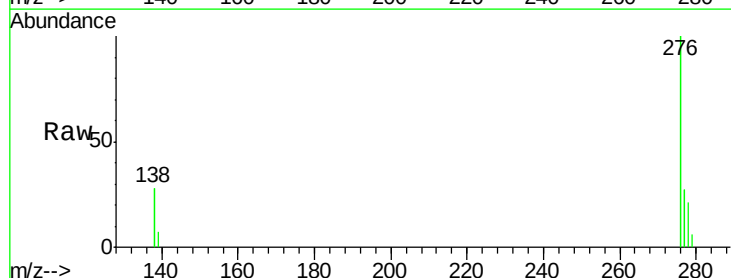
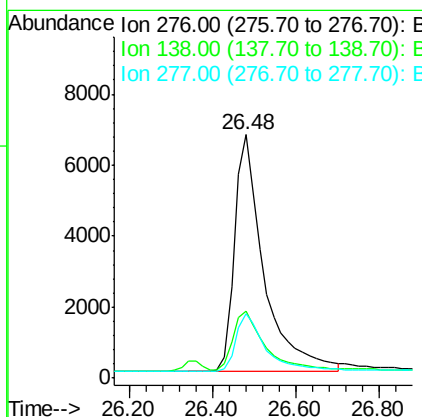
RT: 26.48 min Scan# 1709

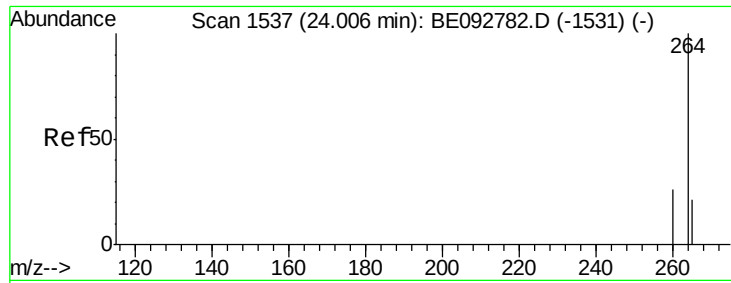
Delta R.T. -0.02 min

Lab File: BE092816.D

Acq: 10 Mar 2017 20:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 32811 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 26.4  | 20.3  | 30.5  |
| 277       | 24.8  | 19.7  | 29.5  |





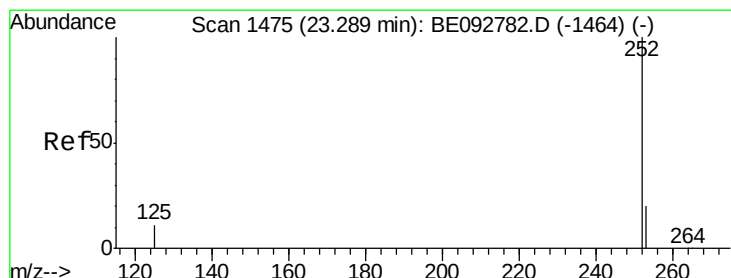
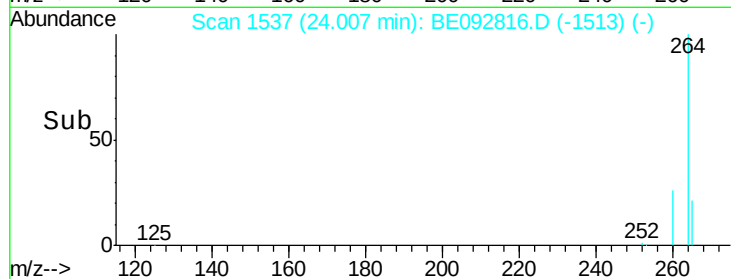
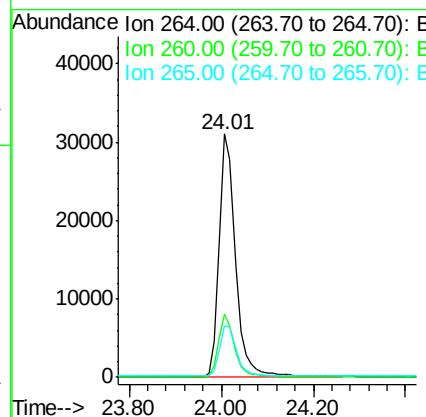
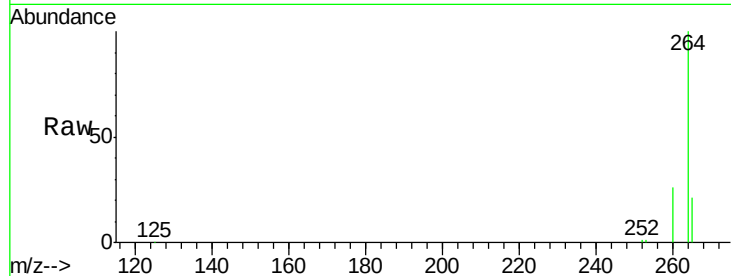
#31  
**Perylene-d12**  
 Concen: 5.00 ng  
 RT: 24.01 min Scan# 1537  
 Delta R.T. -0.02 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 20.1  | 30.1  |
| 265     | 21.1  | 17.9  | 26.9  |

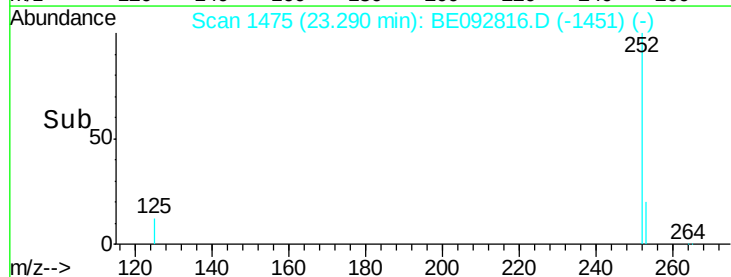
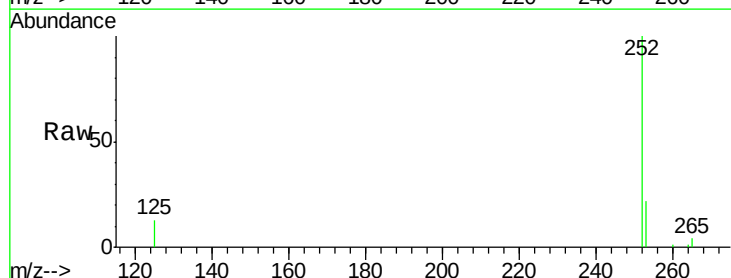
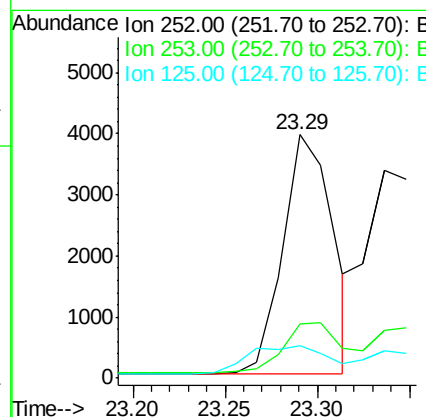
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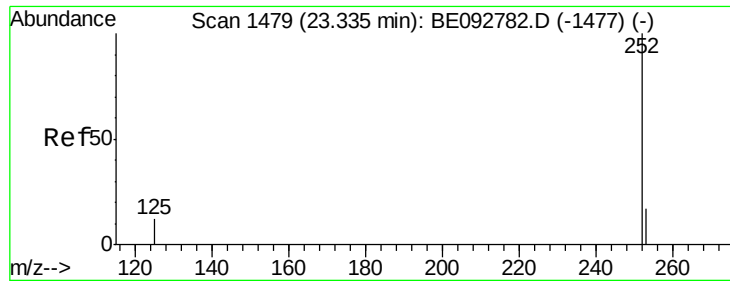
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#32  
**Benzo(b)fluoranthene**  
 Concen: 0.37 ng  
 RT: 23.29 min Scan# 1475  
 Delta R.T. -0.02 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.7  | 28.1  |
| 125     | 13.5  | 10.5  | 15.7  |





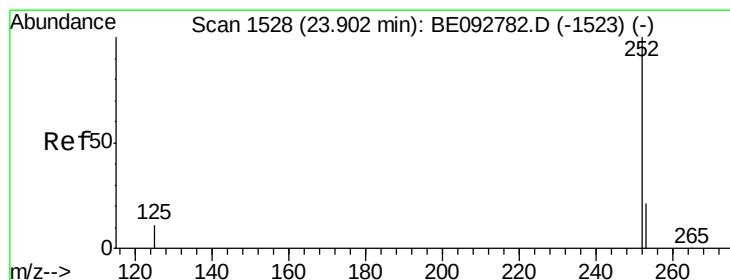
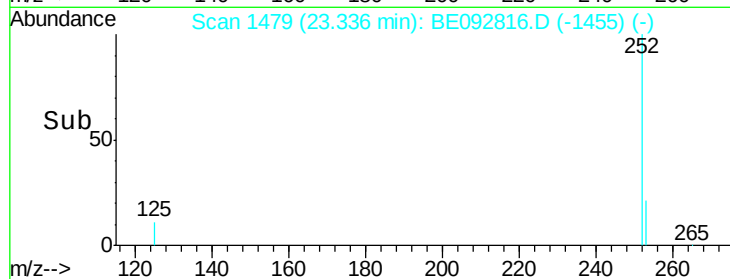
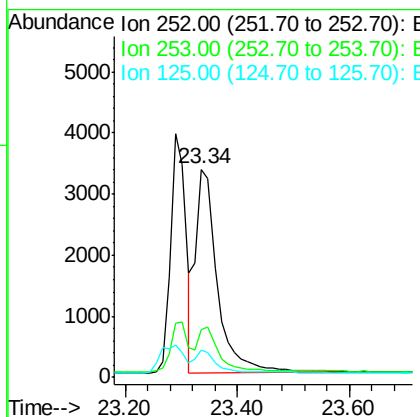
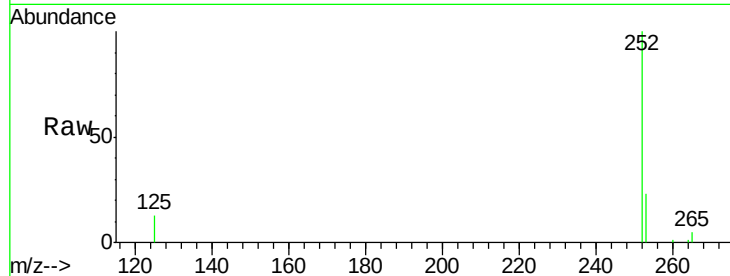
#33  
Benzo(k)fluoranthene  
Concen: 0.43 ng  
RT: 23.34 min Scan# 1479  
Delta R.T. -0.02 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 20.3  | 30.5  |
| 125     | 13.1  | 9.6   | 14.4  |

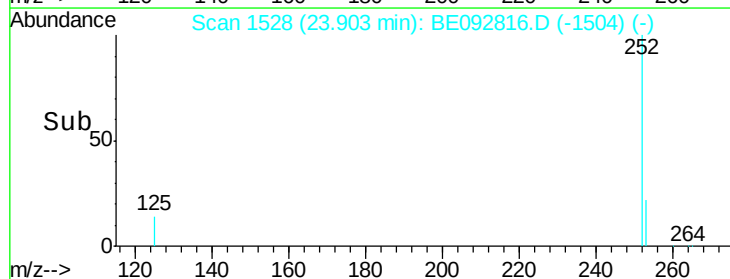
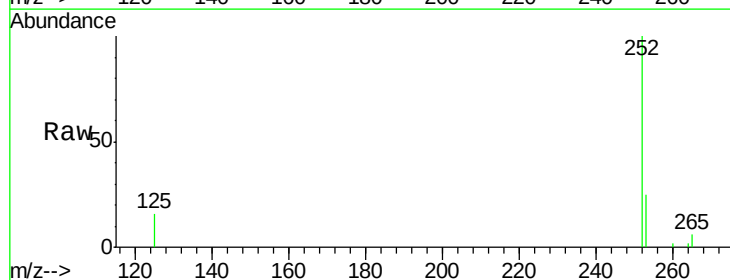
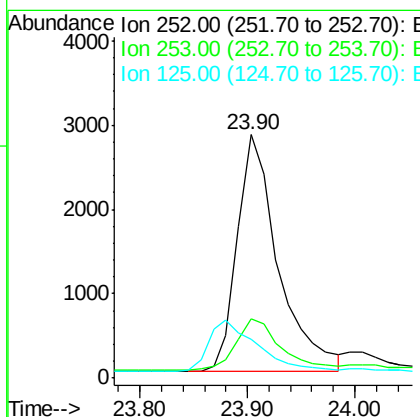
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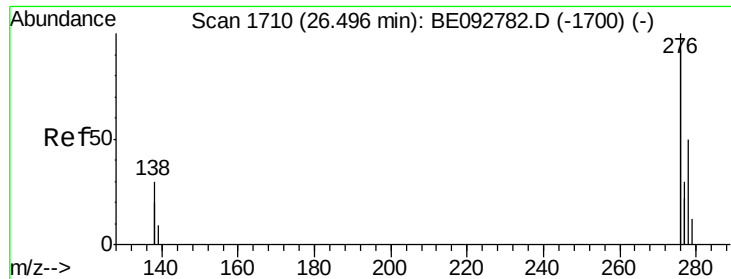
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#34  
Benzo(a)pyrene  
Concen: 0.40 ng  
RT: 23.90 min Scan# 1528  
Delta R.T. -0.02 min  
Lab File: BE092816.D  
Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 19.0  | 28.6  |
| 125     | 16.0  | 11.8  | 17.8  |





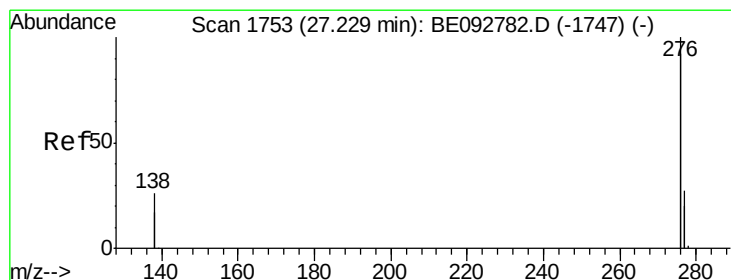
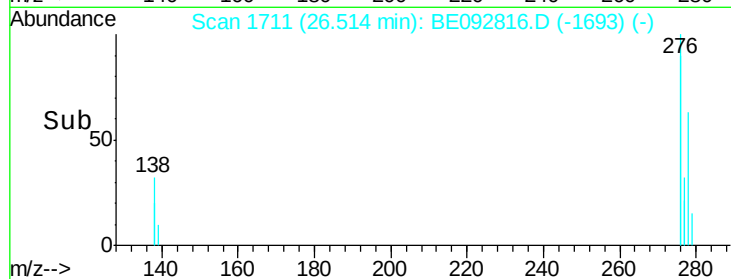
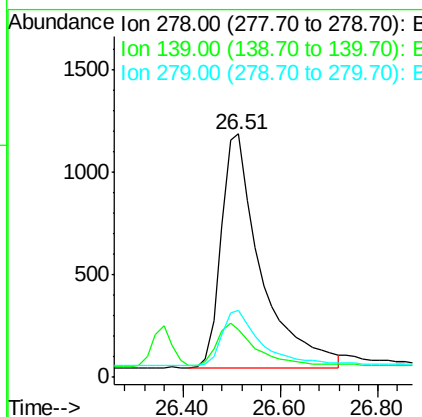
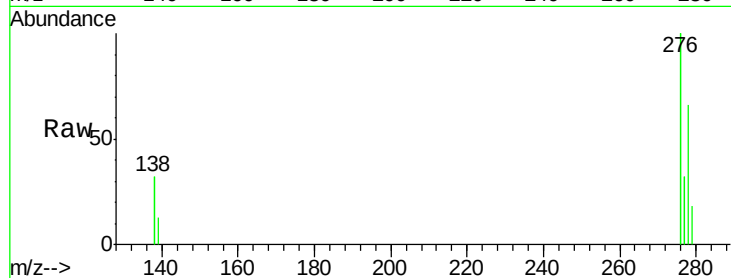
#35  
 Dibenzo(a,h)anthracene  
 Concen: 0.36 ng  
 RT: 26.51 min Scan# 1711  
 Delta R.T. 0.00 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.8  | 13.8  | 20.8  |
| 279     | 27.5  | 21.4  | 32.2  |

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#36  
 Benzo(g,h,i)perylene  
 Concen: 0.39 ng  
 RT: 27.23 min Scan# 1753  
 Delta R.T. -0.02 min  
 Lab File: BE092816.D  
 Acq: 10 Mar 2017 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.6  | 19.8  | 29.8  |
| 138     | 26.3  | 19.8  | 29.6  |

