

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE021517\  
 Data File : BE092736.D  
 Acq On : 15 Feb 2017 16:52  
 Operator : SJ/MA  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE021517

Manual Integrations  
 APPROVED

mohammad  
 2/16/2017 11:47:22 AM

Quant Time: Feb 15 17:30:31 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE021517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 15 17:05:20 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 8906     | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.89 | 136  | 42139    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.76 | 164  | 26723    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.51 | 188  | 54454    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.70 | 240  | 64047    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.03 | 264  | 63795    | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.63  | 112 | 627  | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 7.31  | 99  | 788  | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.32  | 82  | 875  | 0.38 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 16.28 | 330 | 199  | 0.35 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 13.40 | 172 | 2582 | 0.40 | ng | 0.00 |
| 26) Terphenyl-d14           | 20.14 | 244 | 3134 | 0.38 | ng | 0.00 |

|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 475    | 0.38 | ng | 94     |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 428    | 0.46 | ng | # 97   |
| 6) bis(2-Chloroethyl)ether     | 7.54  | 93  | 860    | 0.37 | ng | # 82   |
| 9) Naphthalene                 | 10.93 | 128 | 3669   | 0.40 | ng | 97     |
| 10) Hexachlorobutadiene        | 11.22 | 225 | 555    | 0.41 | ng | 99     |
| 11) 2-Methylnaphthalene        | 12.59 | 142 | 2260   | 0.39 | ng | 97     |
| 15) Acenaphthylene             | 14.47 | 152 | 15377  | 0.38 | ng | 99     |
| 16) Acenaphthene               | 14.83 | 154 | 2324   | 0.40 | ng | 89     |
| 17) Fluorene                   | 15.82 | 166 | 2885   | 0.38 | ng | 98     |
| 19) Hexachlorobenzene          | 16.84 | 284 | 901    | 0.43 | ng | # 63   |
| 20) Pentachlorophenol          | 17.30 | 266 | 142    | 0.48 | ng | # 85   |
| 21) Phenanthrene               | 17.56 | 178 | 5204   | 0.40 | ng | 95     |
| 22) Anthracene                 | 17.65 | 178 | 4473m  | 0.38 | ng |        |
| 23) Fluoranthene               | 19.56 | 202 | 21653  | 0.39 | ng | 99     |
| 25) Pyrene                     | 19.92 | 202 | 23645  | 0.39 | ng | 100    |
| 27) Benzo(a)anthracene         | 21.68 | 228 | 24213  | 0.39 | ng | # 86   |
| 28) Chrysene                   | 21.72 | 228 | 28925m | 0.39 | ng |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 2759   | 0.38 | ng | # 75   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.50 | 276 | 29826  | 0.42 | ng | 97     |
| 32) Benzo(b)fluoranthene       | 23.31 | 252 | 6658   | 0.43 | ng | 99     |
| 33) Benzo(k)fluoranthene       | 23.36 | 252 | 6770   | 0.38 | ng | 98     |
| 34) Benzo(a)pyrene             | 23.93 | 252 | 5973   | 0.36 | ng | 97     |
| 35) Dibenzo(a,h)anthracene     | 26.51 | 278 | 6214   | 0.39 | ng | 96     |
| 36) Benzo(g,h,i)perylene       | 27.25 | 276 | 26274  | 0.40 | ng | 97     |

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

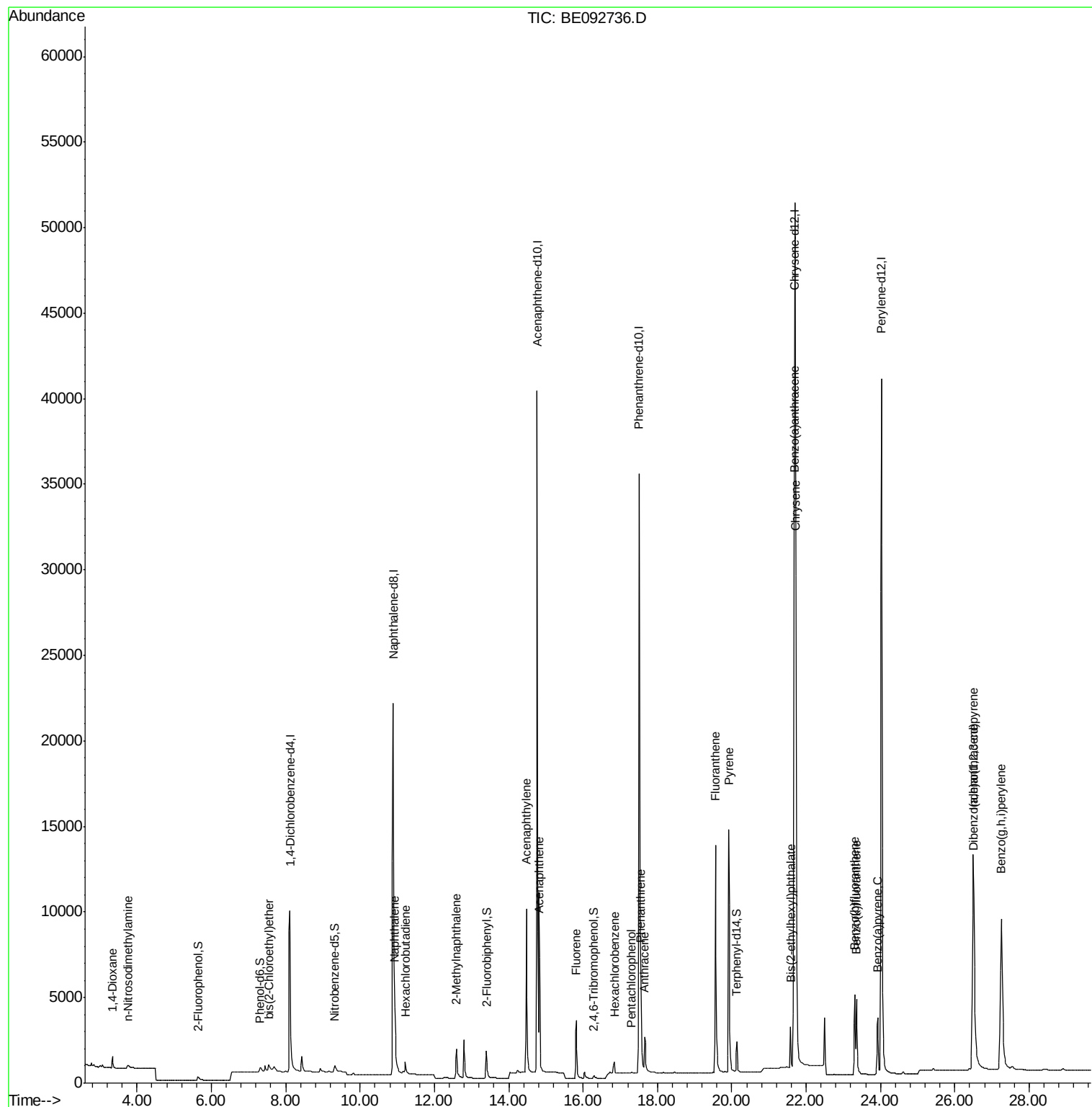
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE021517\  
Data File : BE092736.D  
Acq On : 15 Feb 2017 16:52  
Operator : SJ/MA  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

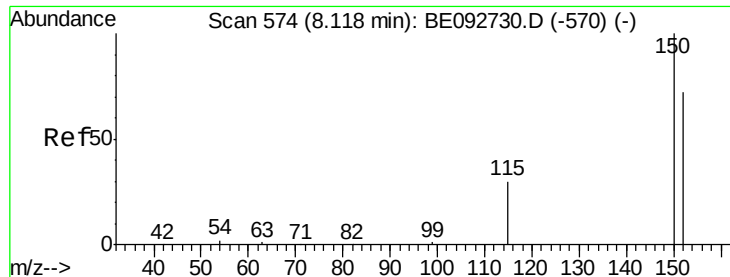
Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

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Quant Time: Feb 15 17:30:31 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE021517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 15 17:05:20 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

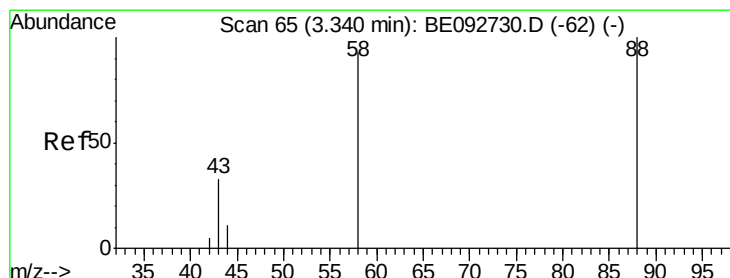
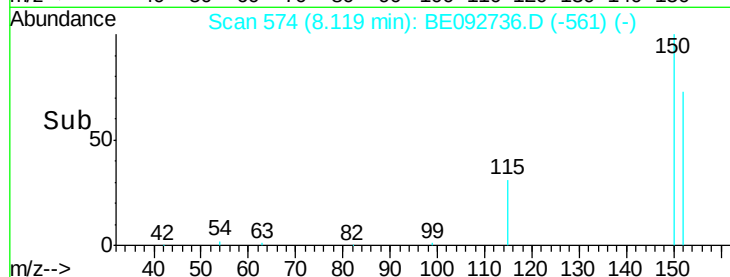
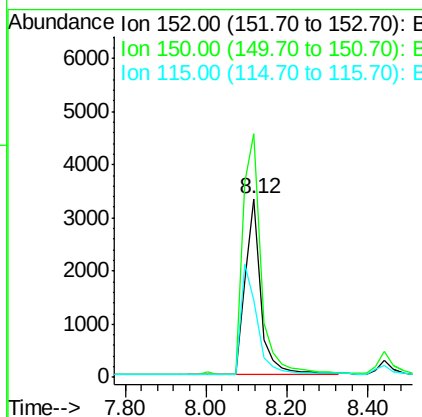
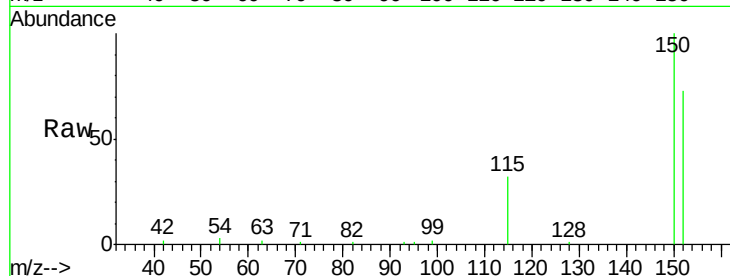
ClientSampleId :

ICVBE021517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 8906  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 136.2 | 106.0 | 159.0 |
| 115       | 43.2  | 31.2  | 46.8  |

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#2

1,4-Dioxane

Concen: 0.38 ng

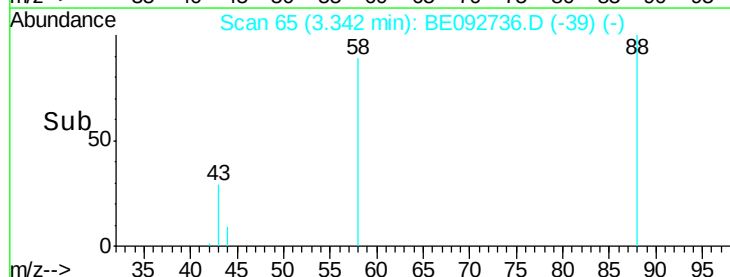
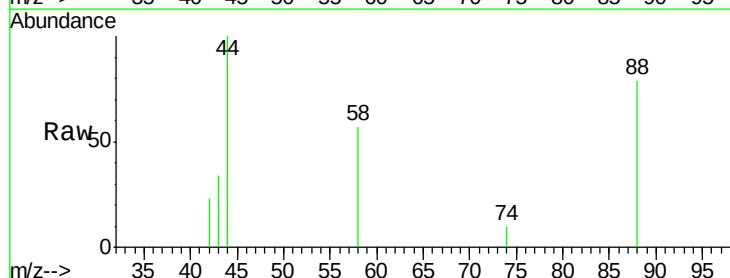
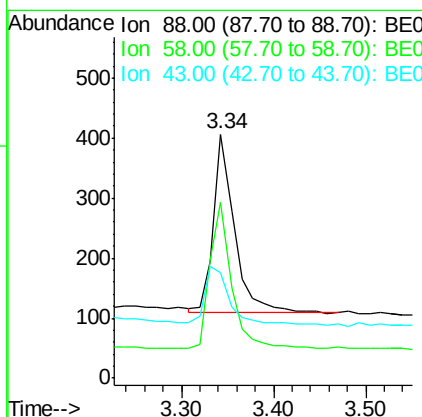
RT: 3.34 min Scan# 65

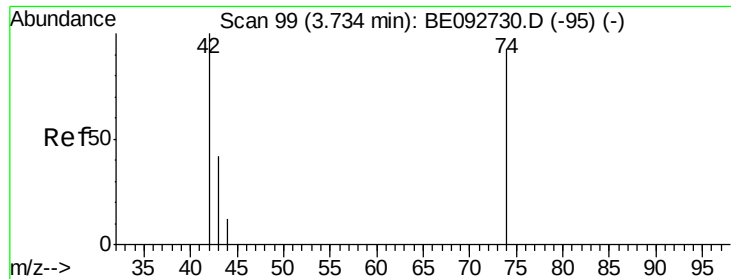
Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 88    | Resp: | 475  |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 58        | 84.6  | 63.6  | 95.4 |
| 43        | 38.9  | 28.0  | 42.0 |





#3

n-Nitrosodimethylamine

Concen: 0.46 ng

RT: 3.75 min Scan# 100

Delta R.T. 0.01 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

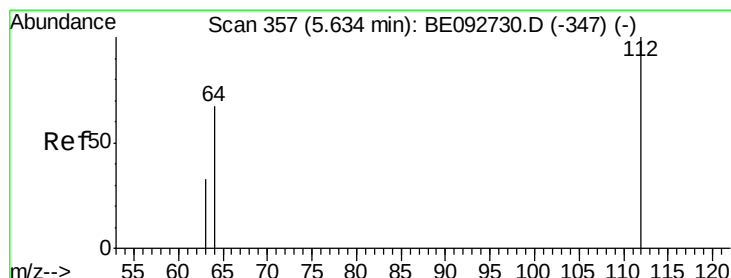
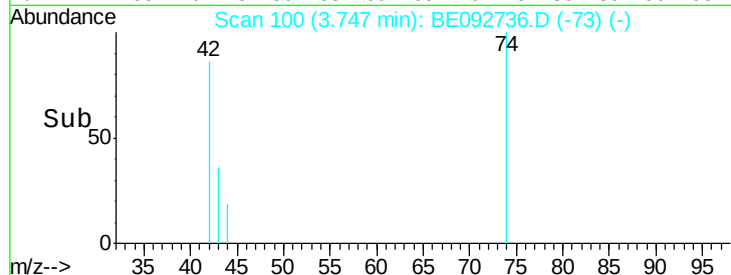
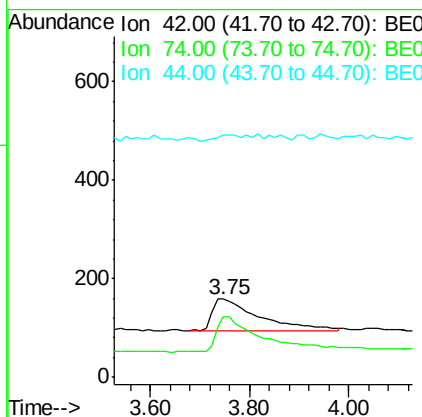
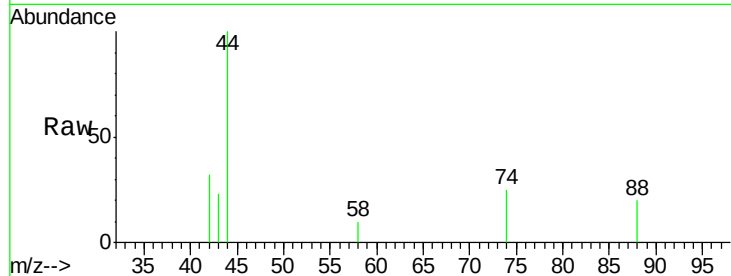
ClientSampleId :

ICVBE021517

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 428   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 105.1 | 86.0  | 129.0 |
| 44       | 10.5  | 5.1   | 7.7#  |

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#4

2-Fluorophenol

Concen: 0.36 ng

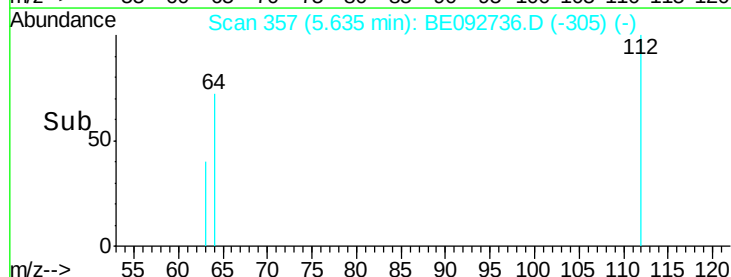
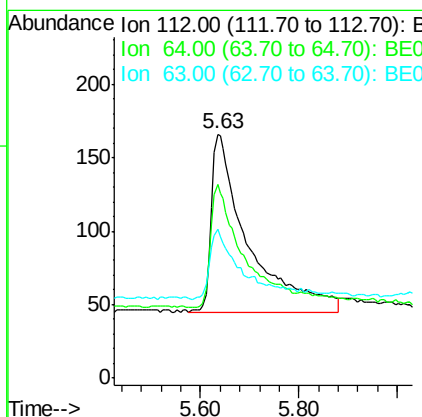
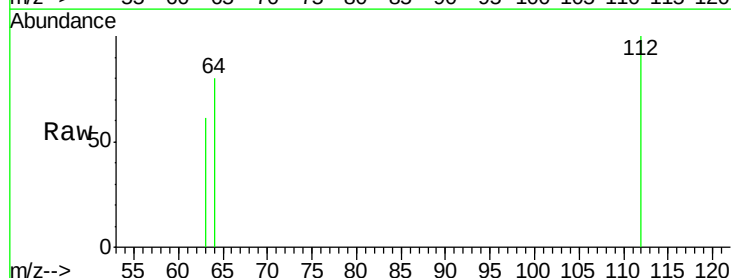
RT: 5.63 min Scan# 357

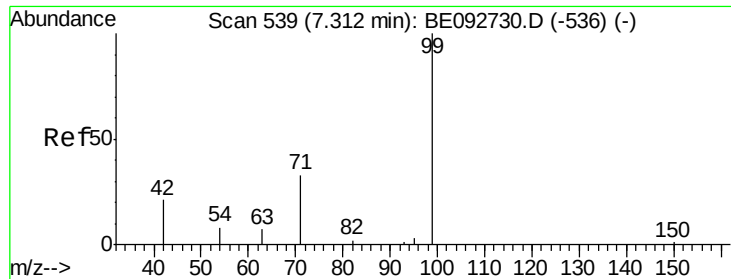
Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 627   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 61.1  | 53.5  | 80.3  |
| 63       | 35.4  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 0.37 ng

RT: 7.31 min Scan# 539

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

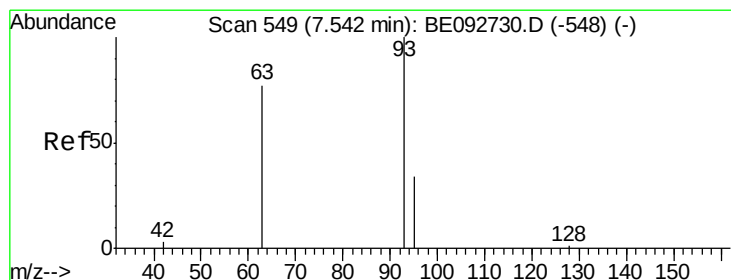
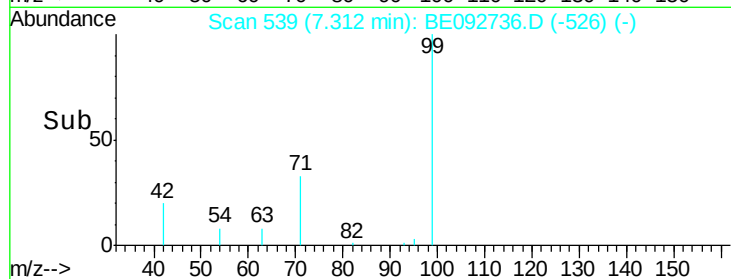
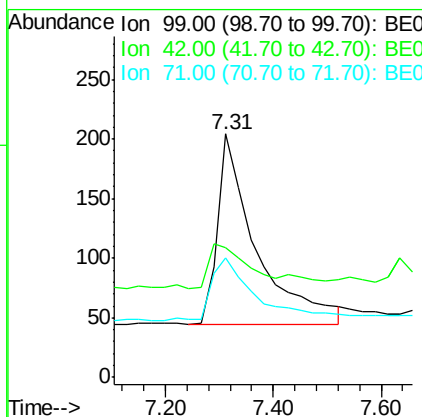
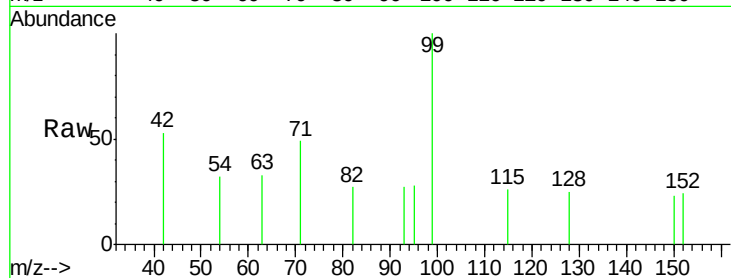
ClientSampleId :

ICVBE021517

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 788   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 16.0  | 24.0# |
| 71       | 37.7  | 30.6  | 45.8  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.37 ng

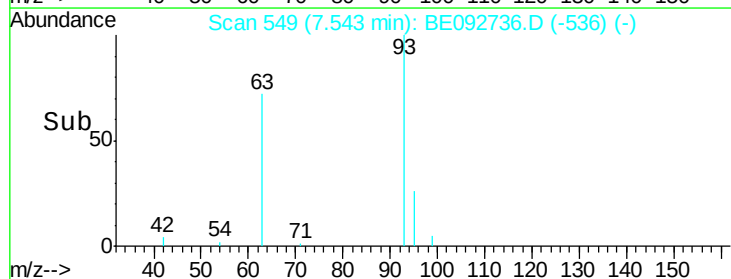
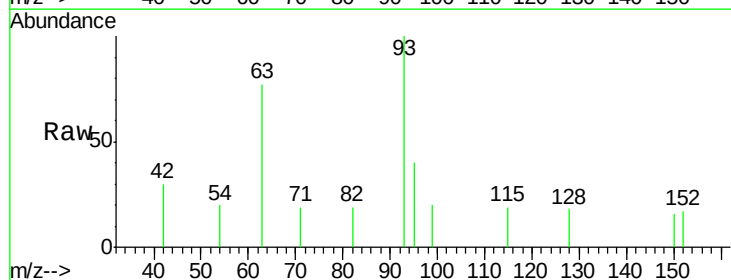
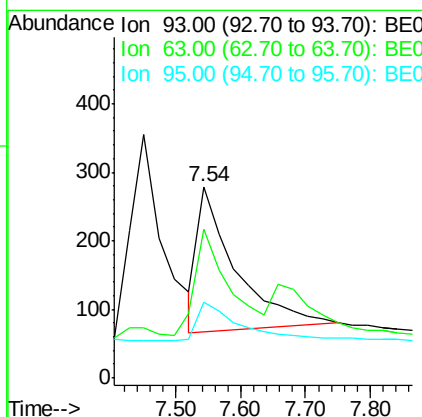
RT: 7.54 min Scan# 549

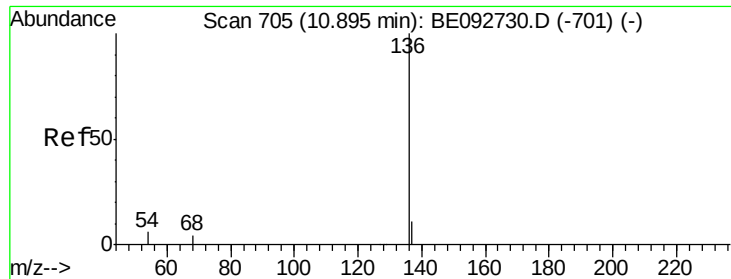
Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 860    |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 67.3  | 71.6  | 107.4# |
| 95       | 31.4  | 24.0  | 36.0   |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

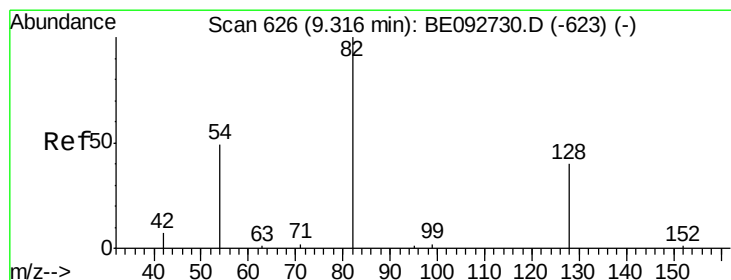
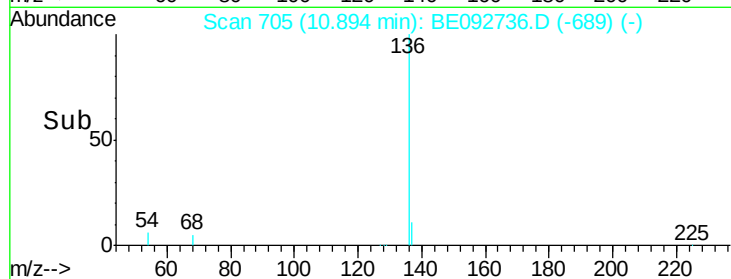
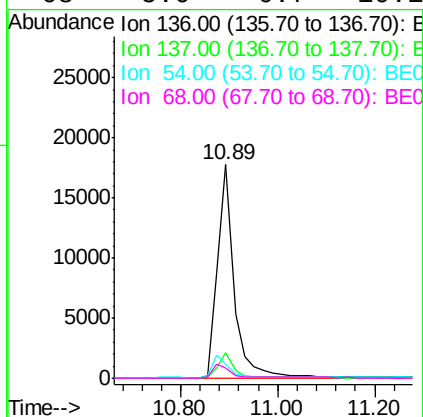
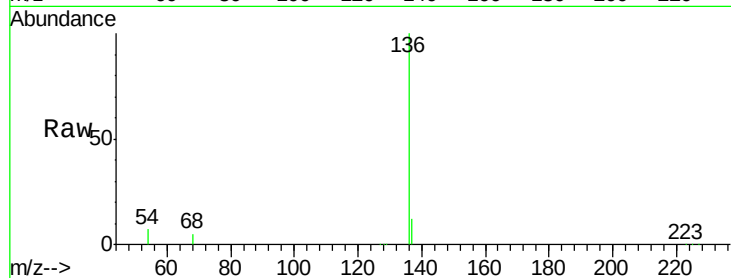
ClientSampleId :

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| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 42139 |       |       |
| 137     | 11.7  | 8.2   | 12.4  |       |
| 54      | 6.7   | 9.6   | 14.4  |       |
| 68      | 5.0   | 6.7   | 10.1  |       |

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#8

Nitrobenzene-d5

Concen: 0.38 ng

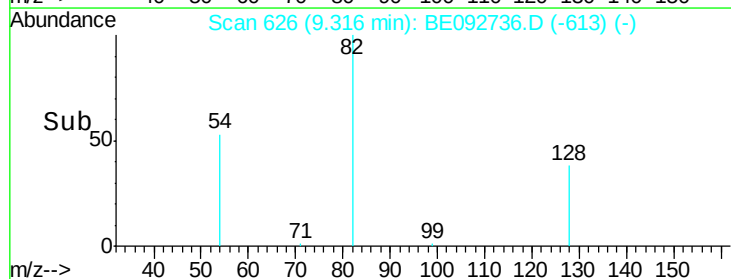
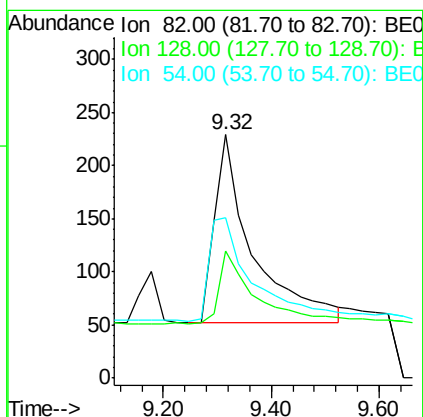
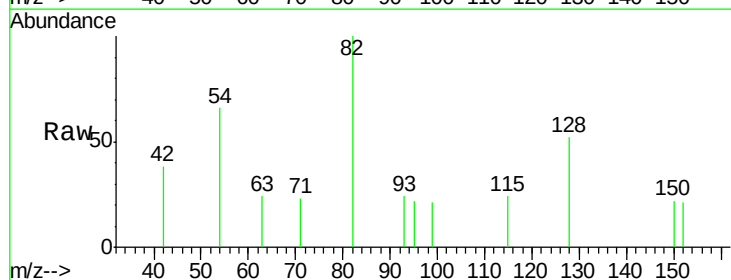
RT: 9.32 min Scan# 626

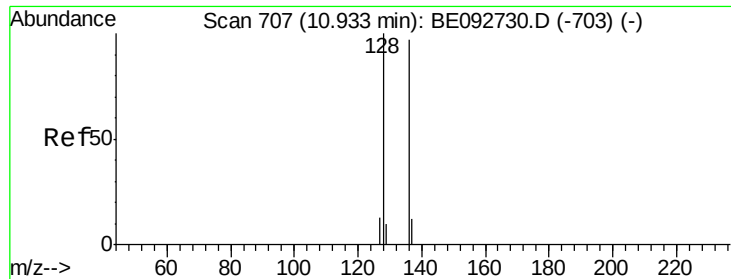
Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 875  |       |       |
| 128     | 52.4  | 39.0 | 58.4  |       |
| 54      | 65.9  | 44.8 | 67.2  |       |





#9

Naphthalene

Concen: 0.40 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

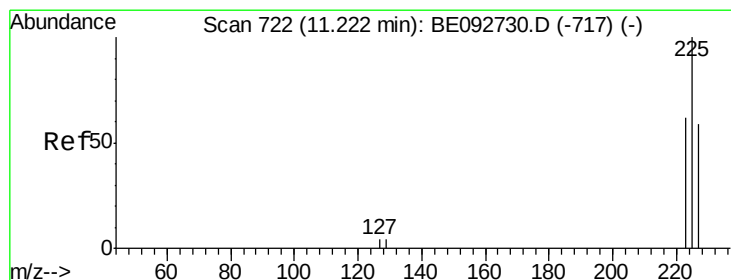
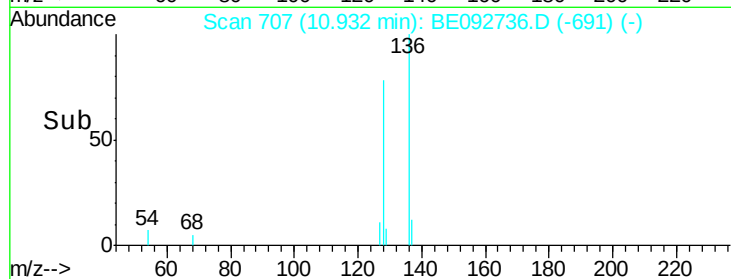
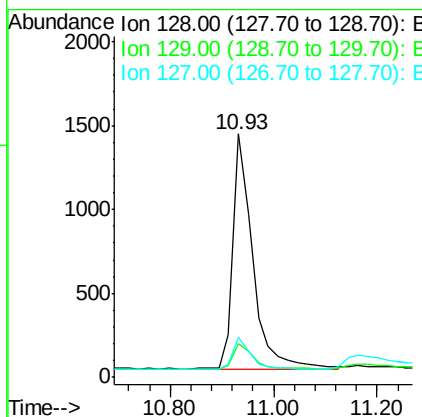
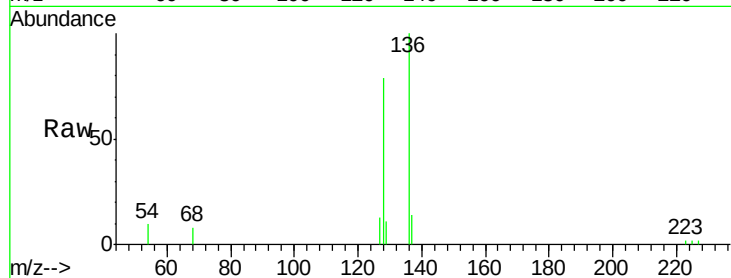
ClientSampleId :

ICVBE021517

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3669  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 13.6  | 11.2  | 16.8  |
| 127      | 16.3  | 11.6  | 17.4  |

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#10

Hexachlorobutadiene

Concen: 0.41 ng

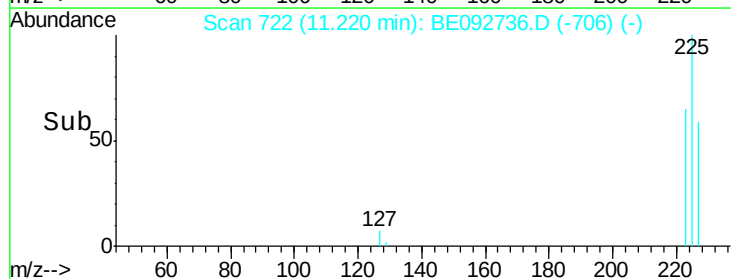
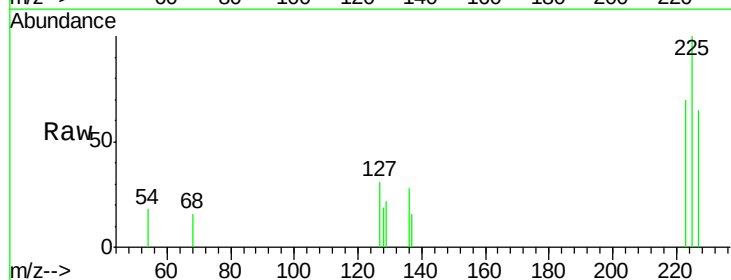
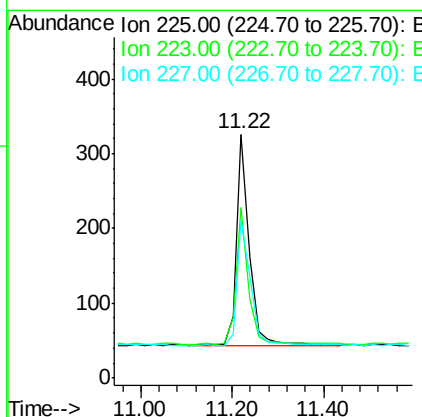
RT: 11.22 min Scan# 722

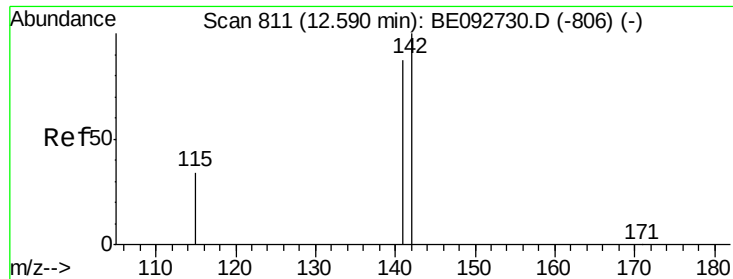
Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 555   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.6  | 50.6  | 76.0  |
| 227      | 62.5  | 51.4  | 77.0  |





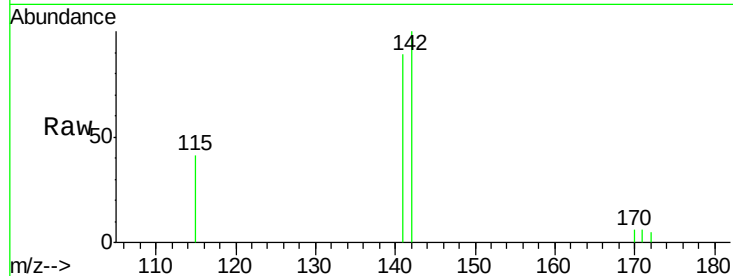
#11  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 12.59 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

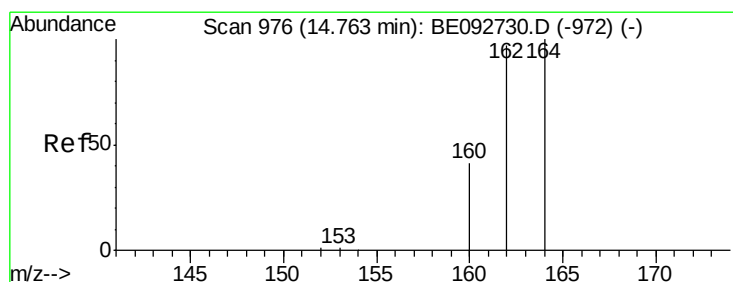
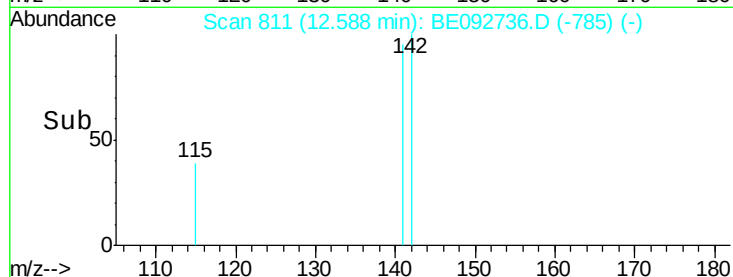
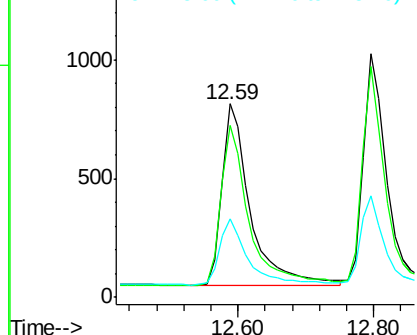
Tgt Ion:142 Resp: 2260  
Ion Ratio Lower Upper  
142 100  
141 89.2 73.7 110.5  
115 40.8 34.0 51.0

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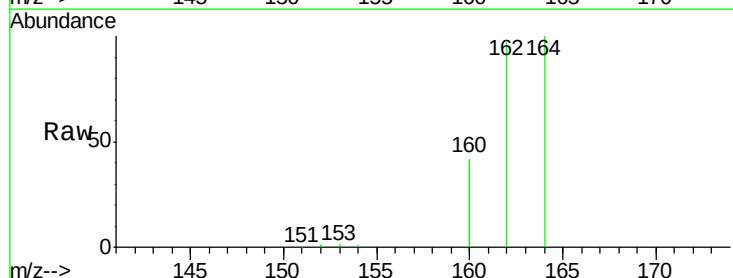


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

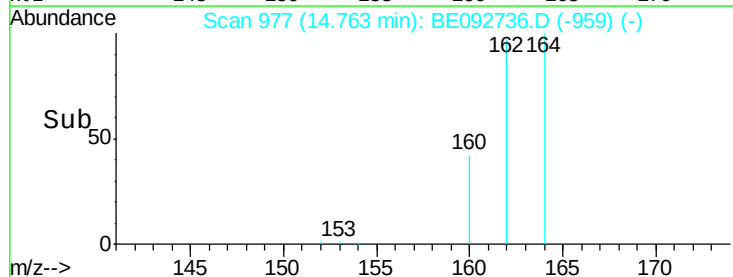
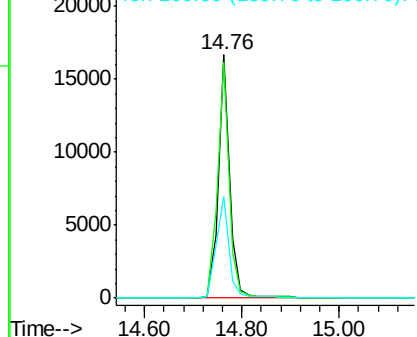


#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.76 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
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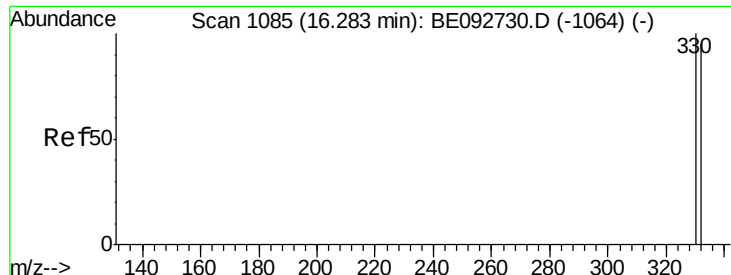
Tgt Ion:164 Resp: 26723  
Ion Ratio Lower Upper  
164 100  
162 97.1 71.4 107.0  
160 41.8 27.4 41.2#



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







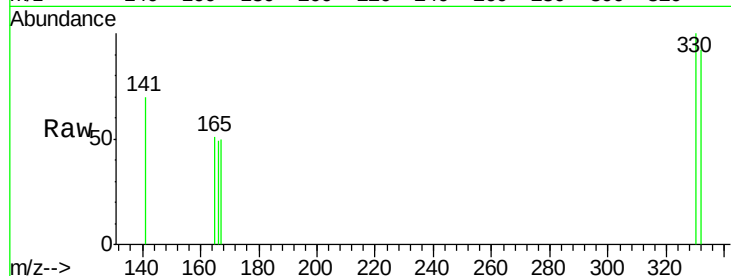
#13  
 2,4,6-Tribromophenol  
 Concen: 0.35 ng  
 RT: 16.28 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: BE092736.D  
 Acq: 15 Feb 2017 16:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE021517

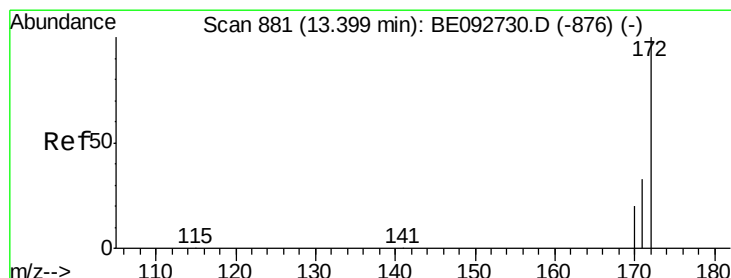
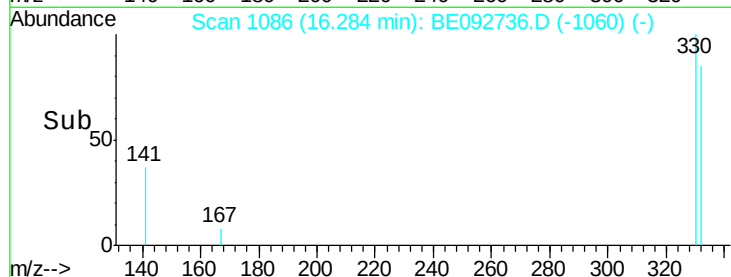
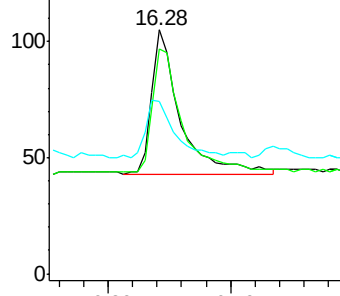
Tgt Ion: 330 Resp: 199  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 75.4 113.0  
 141 39.7 31.0 46.6

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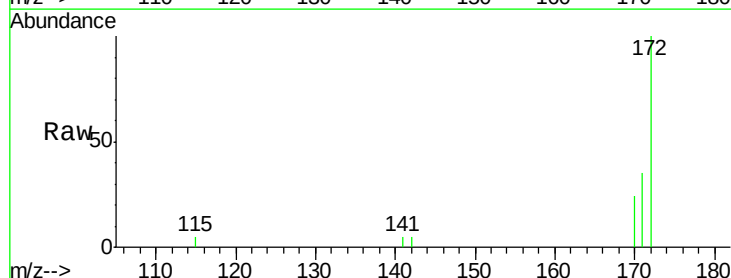


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

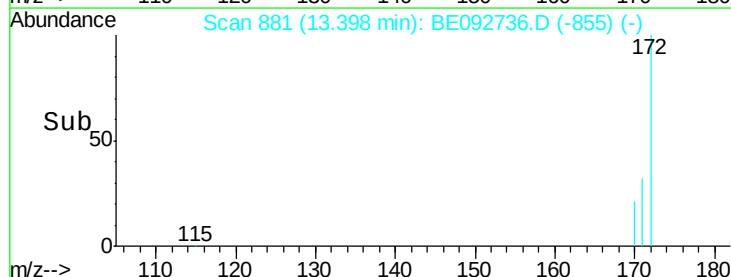
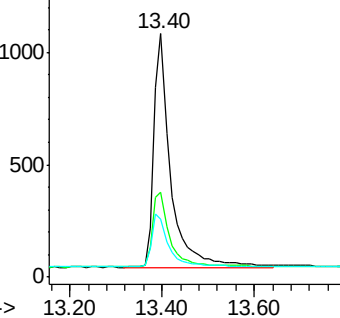


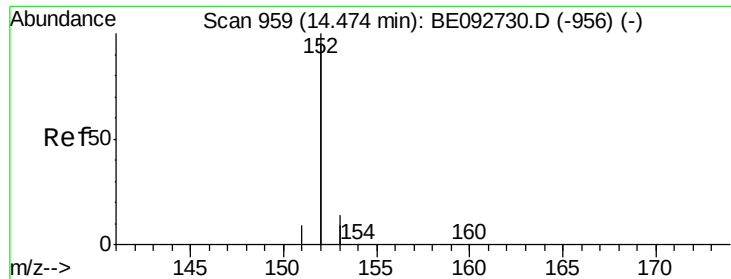
#14  
 2-Fluorobiphenyl  
 Concen: 0.40 ng  
 RT: 13.40 min Scan# 881  
 Delta R.T. -0.00 min  
 Lab File: BE092736.D  
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Tgt Ion: 172 Resp: 2582  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 30.1 45.1  
 170 23.9 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#15

Acenaphthylene

Concen: 0.38 ng

RT: 14.47 min Scan# 960

Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

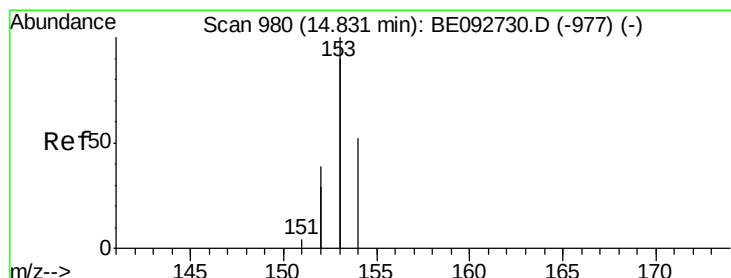
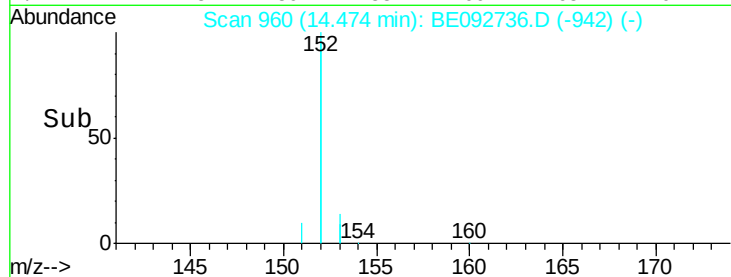
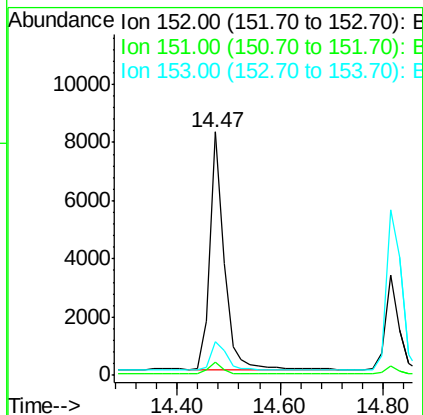
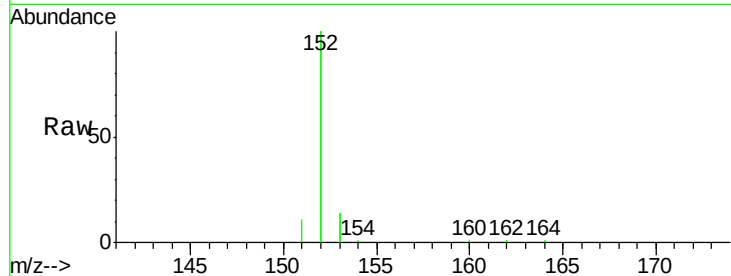
ClientSampleId :

ICVBE021517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 15377 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.9   | 3.9   | 5.9   |
| 153       | 13.3  | 10.4  | 15.6  |

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#16

Acenaphthene

Concen: 0.40 ng

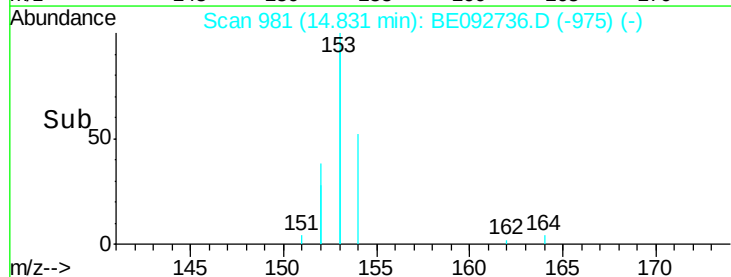
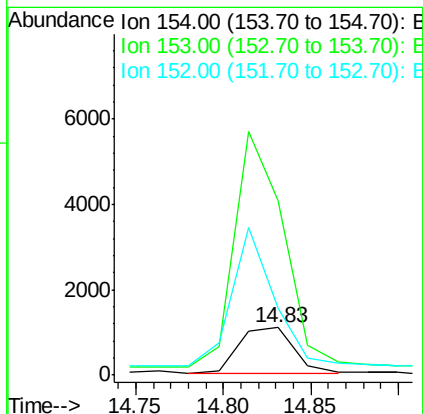
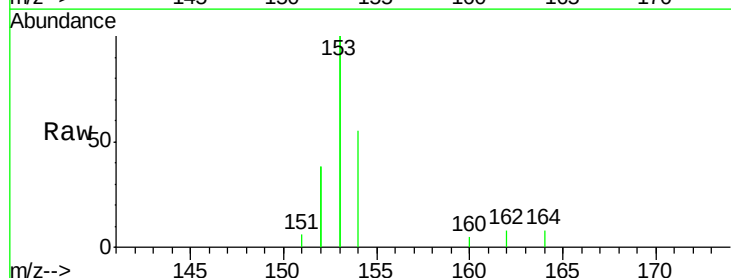
RT: 14.83 min Scan# 981

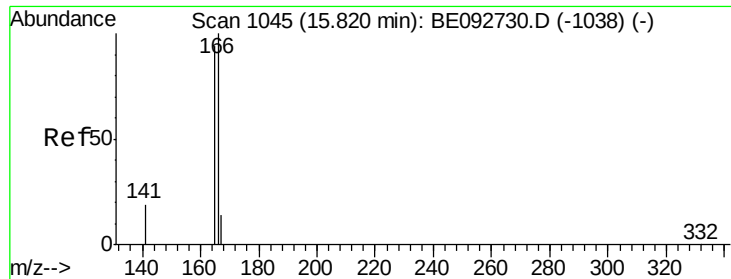
Delta R.T. -0.00 min

Lab File: BE092736.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 2324  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 462.9 | 350.8 | 526.2 |
| 152       | 236.7 | 171.1 | 256.7 |





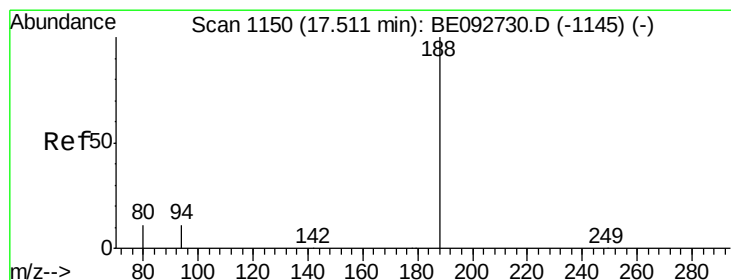
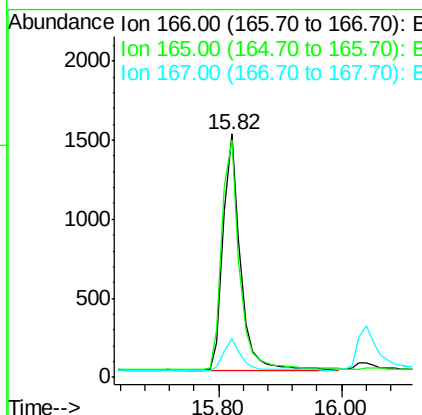
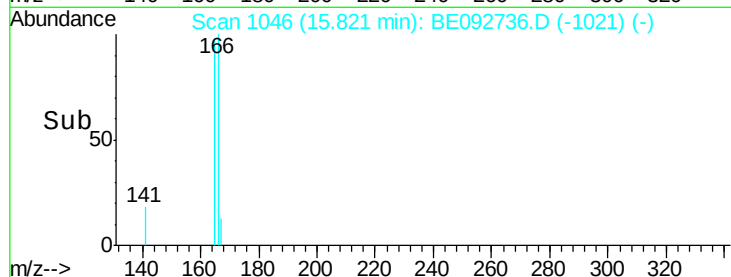
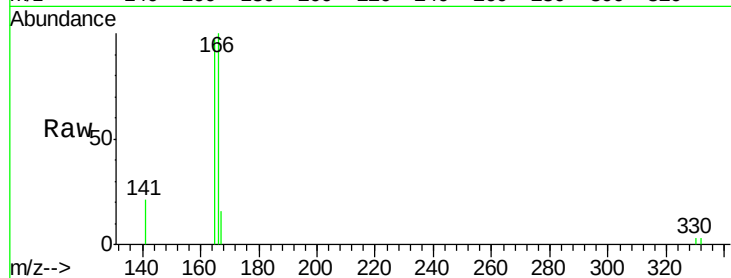
#17  
**Fluorene**  
 Concen: 0.38 ng  
 RT: 15.82 min Scan# 1046  
 Delta R.T. 0.00 min  
 Lab File: BE092736.D  
 Acq: 15 Feb 2017 16:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE021517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.3 | 78.2  | 117.4 |
| 167     | 13.5  | 11.0  | 16.4  |

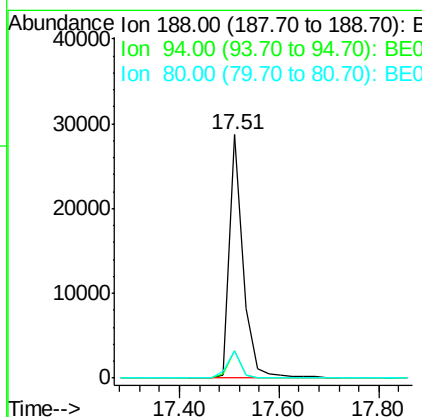
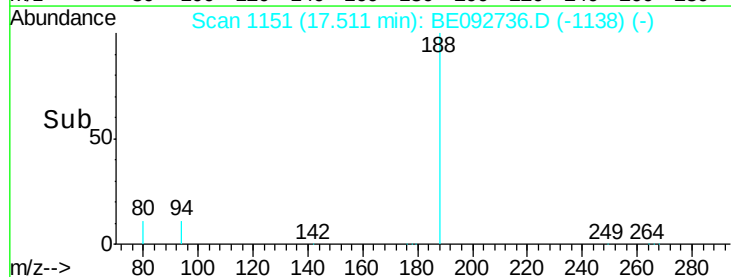
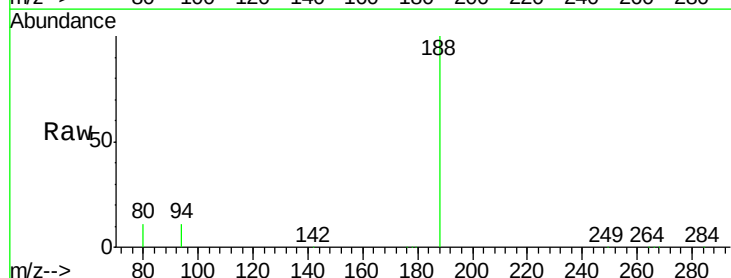
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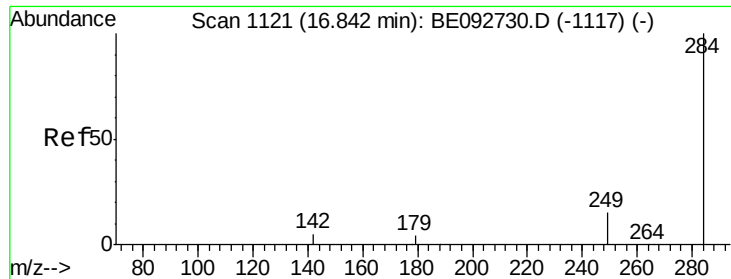
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#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.51 min Scan# 1151  
 Delta R.T. 0.00 min  
 Lab File: BE092736.D  
 Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.1  | 3.2   | 4.8#  |
| 80      | 11.0  | 2.6   | 3.8#  |





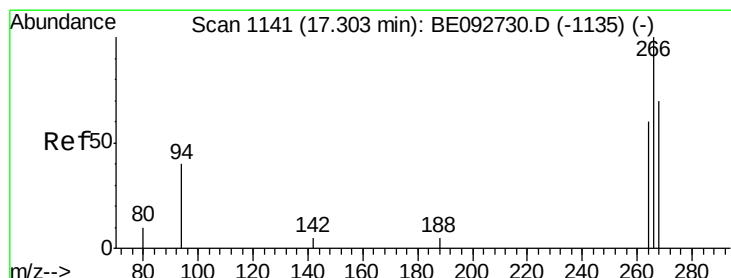
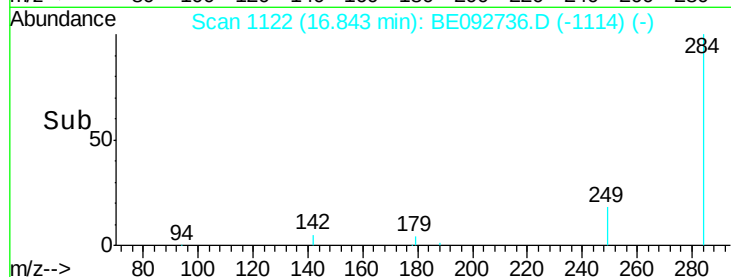
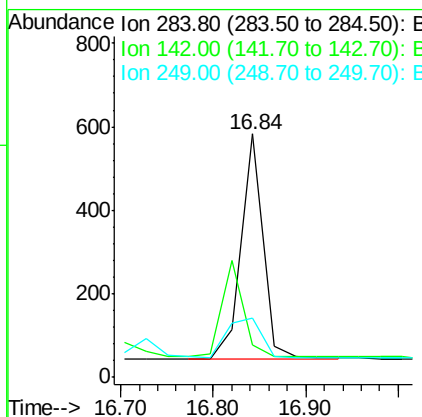
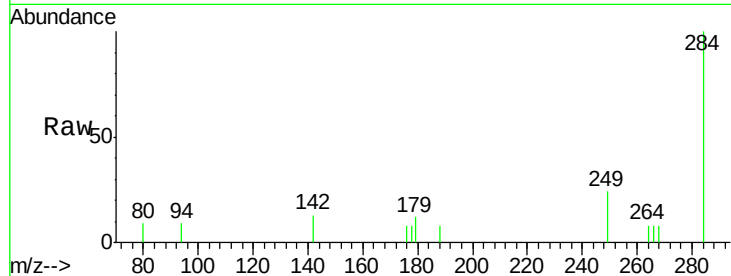
#19  
Hexachlorobenzene  
Concen: 0.43 ng  
RT: 16.84 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 901   |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 0.0   | 29.1  | 43.7# |
| 249       | 28.4  | 27.9  | 41.9  |

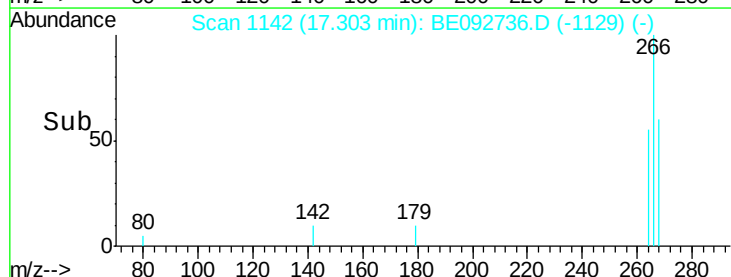
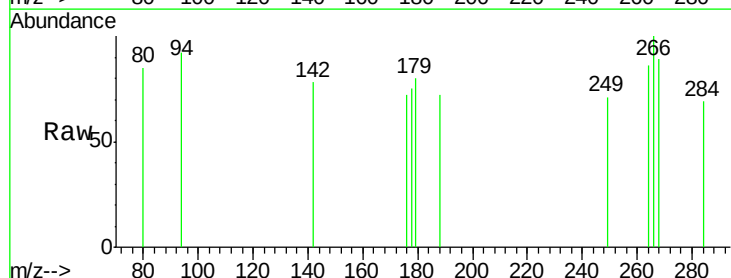
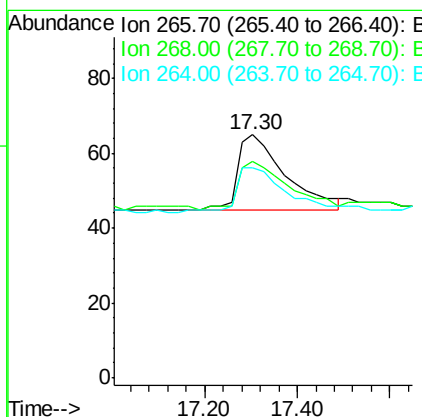
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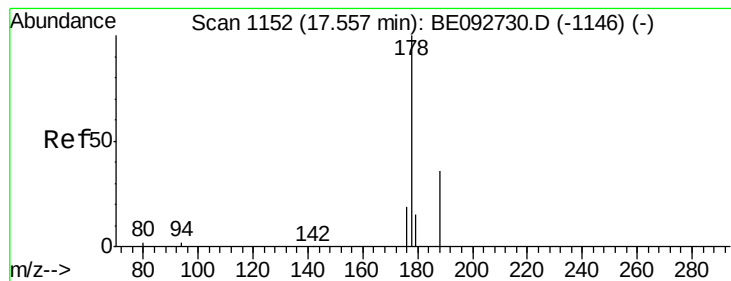
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#20  
Pentachlorophenol  
Concen: 0.48 ng  
RT: 17.30 min Scan# 1142  
Delta R.T. 0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 142   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 89.2  | 62.5  | 93.7  |
| 264       | 86.2  | 57.2  | 85.8# |





#21

Phenanthrene

Concen: 0.40 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

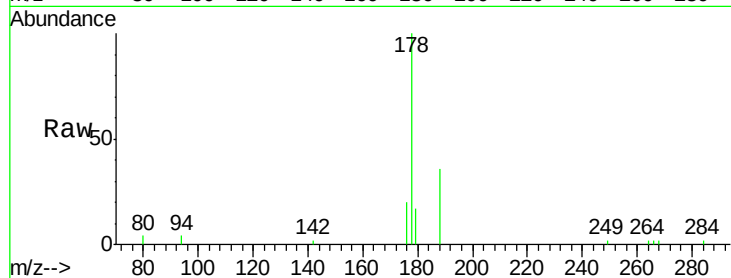
ClientSampleId :

ICVBE021517

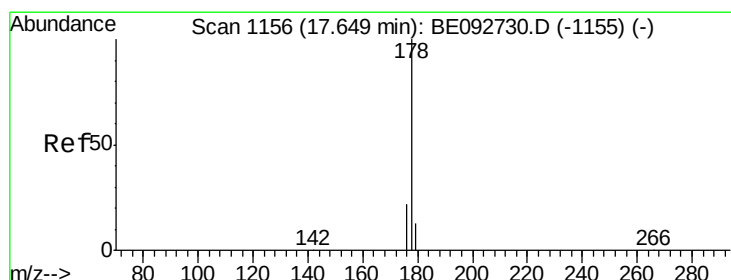
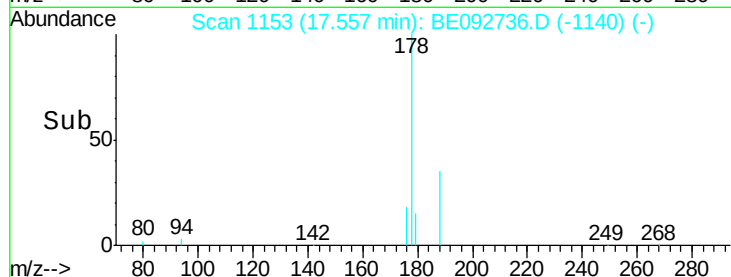
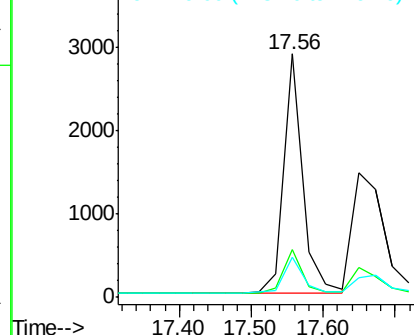
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 5204 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.8  | 15.8  | 23.8 |
| 179       | 16.3  | 16.0  | 24.0 |

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#22

Anthracene

Concen: 0.38 ng m

RT: 17.65 min Scan# 1157

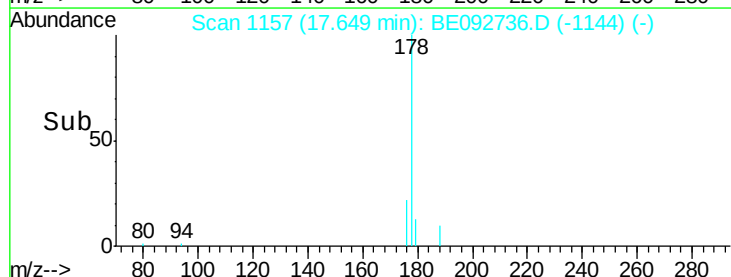
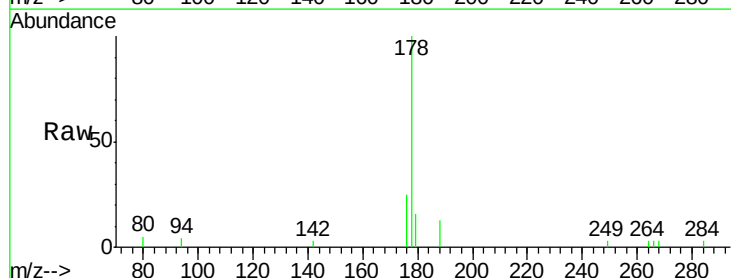
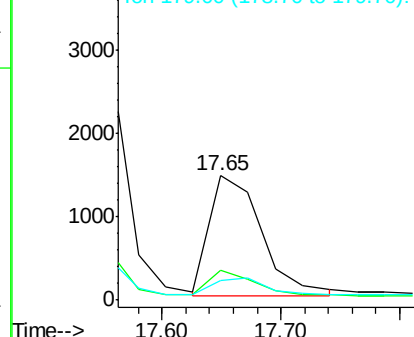
Delta R.T. 0.00 min

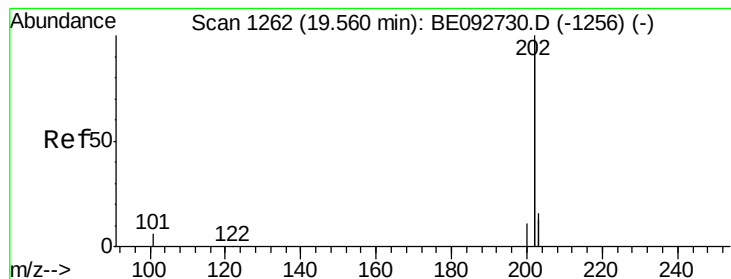
Lab File: BE092736.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 4473  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 21.8  | 15.0  | 22.4  |
| 179       | 19.0  | 12.2  | 18.2# |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.39 ng

RT: 19.56 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

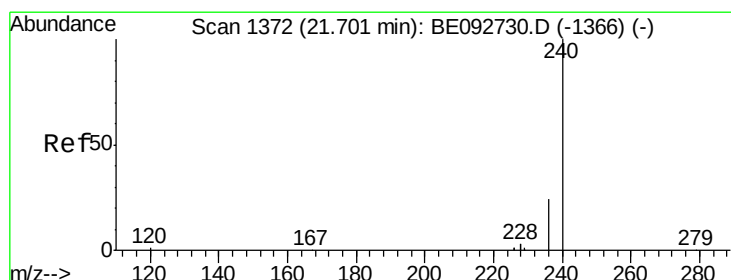
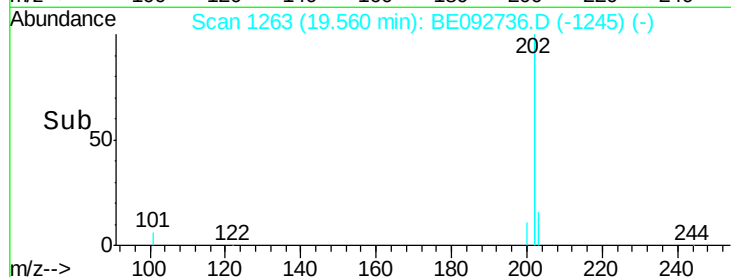
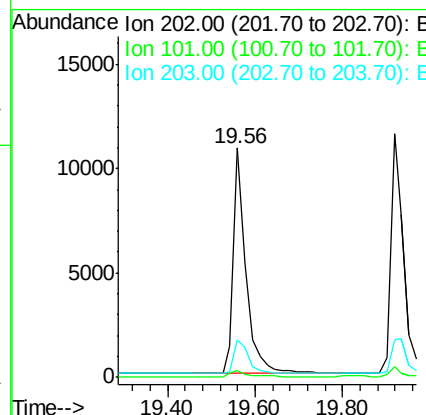
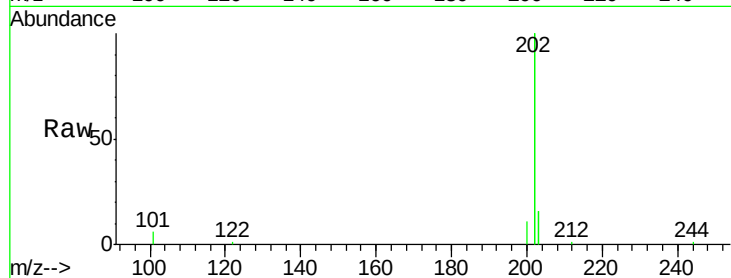
ClientSampleId :

ICVBE021517

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 21653 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 3.0   | 2.2   | 3.4   |
| 203       | 17.8  | 13.7  | 20.5  |

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#24

Chrysene-d12

Concen: 5.00 ng

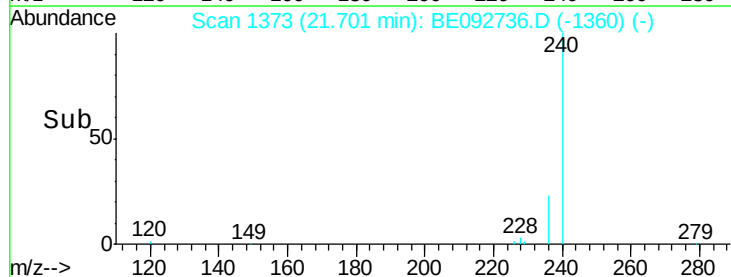
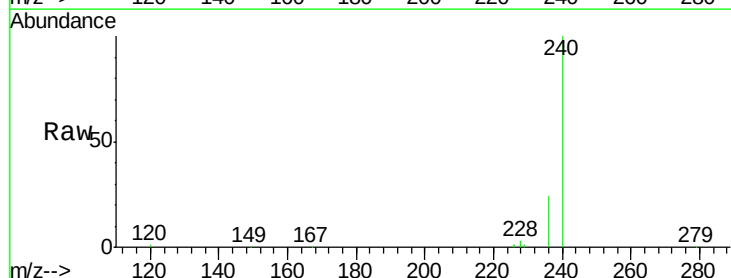
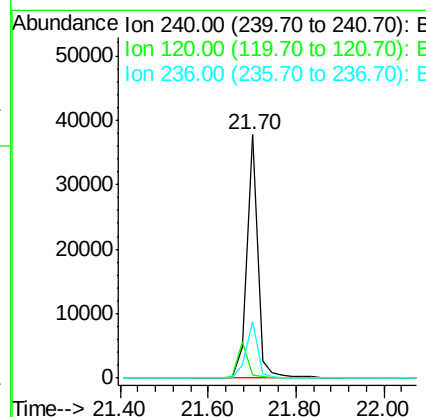
RT: 21.70 min Scan# 1373

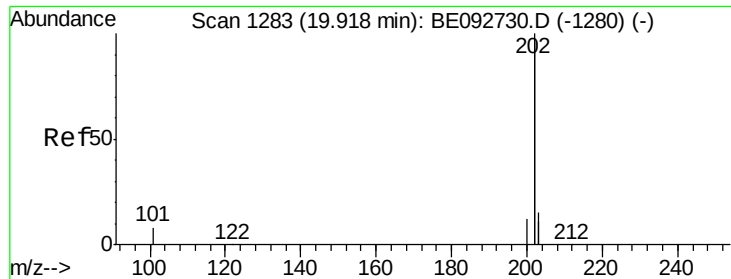
Delta R.T. -0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 64047 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 1.4   | 2.6   | 4.0#  |
| 236       | 23.6  | 24.6  | 37.0# |





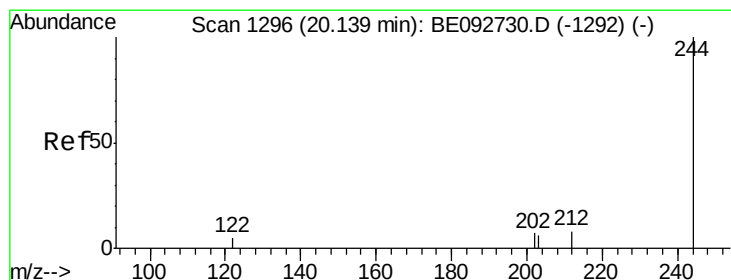
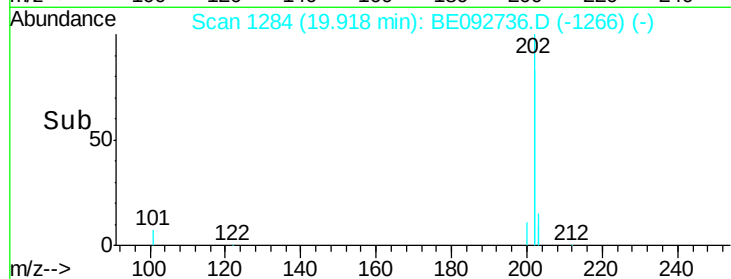
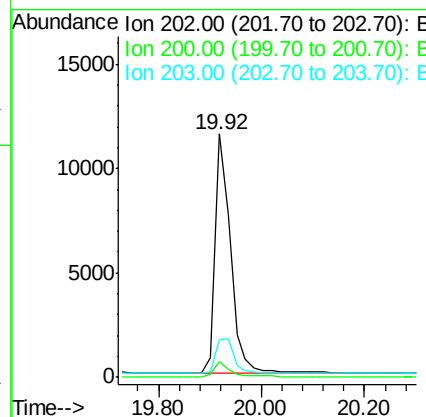
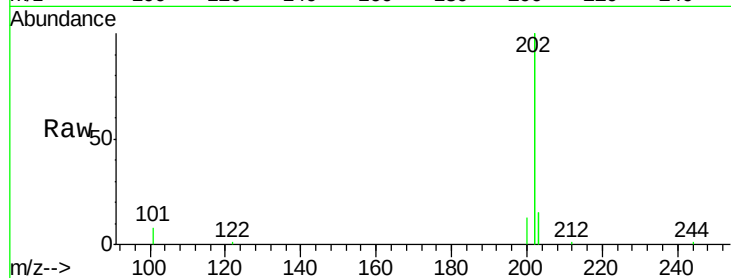
#25  
 Pyrene  
 Concen: 0.39 ng  
 RT: 19.92 min Scan# 1284  
 Delta R.T. -0.00 min  
 Lab File: BE092736.D  
 Acq: 15 Feb 2017 16:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE021517

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 23645 |       |       |
| 200     | 5.3   | 4.2   | 6.4   |       |
| 203     | 17.5  | 13.9  | 20.9  |       |

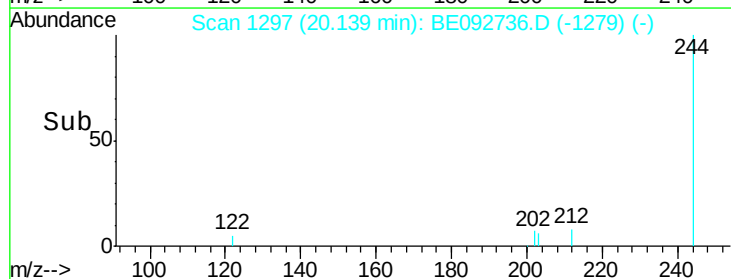
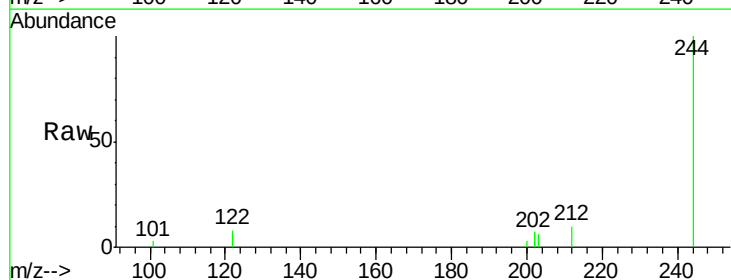
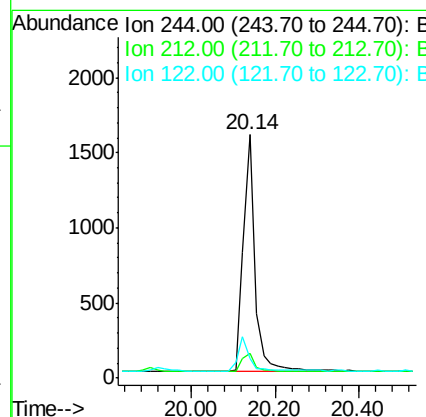
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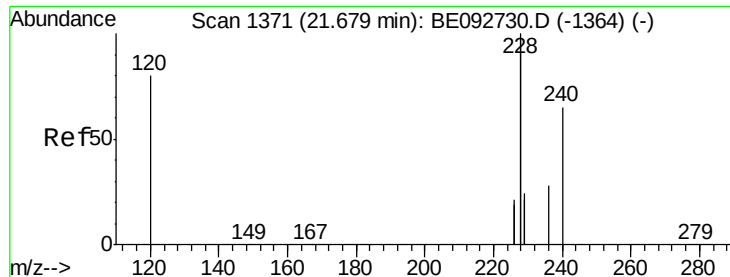
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#26  
 Terphenyl-d14  
 Concen: 0.38 ng  
 RT: 20.14 min Scan# 1297  
 Delta R.T. -0.00 min  
 Lab File: BE092736.D  
 Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   | 3134 |       |       |
| 212     | 10.3  | 6.7  | 10.1# |       |
| 122     | 8.0   | 3.6  | 5.4#  |       |





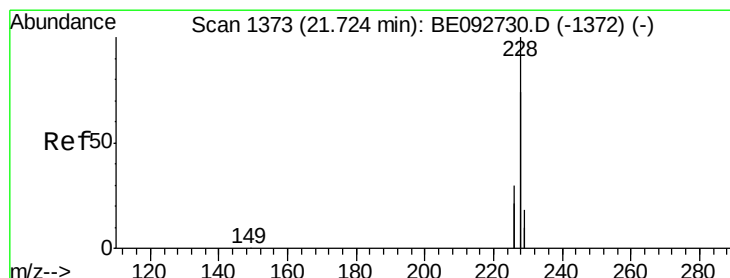
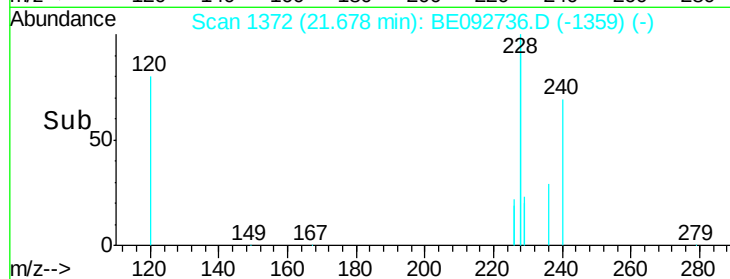
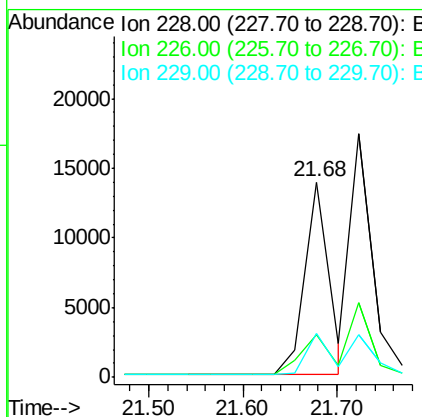
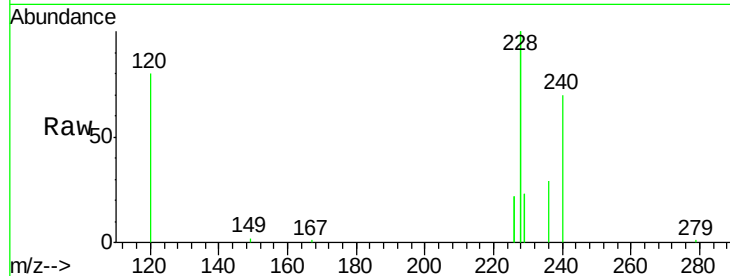
#27  
Benzo(a)anthracene  
Concen: 0.39 ng  
RT: 21.68 min Scan# 1372  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 22.1  | 23.6  | 35.4# |
| 229     | 22.5  | 13.3  | 19.9# |

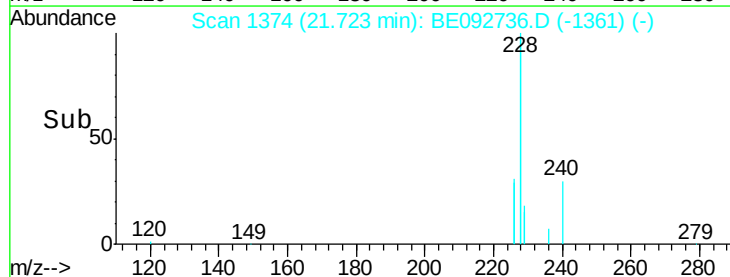
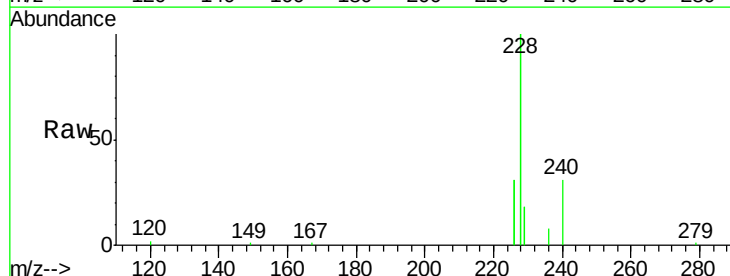
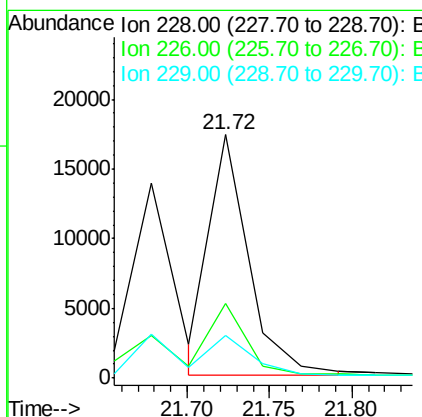
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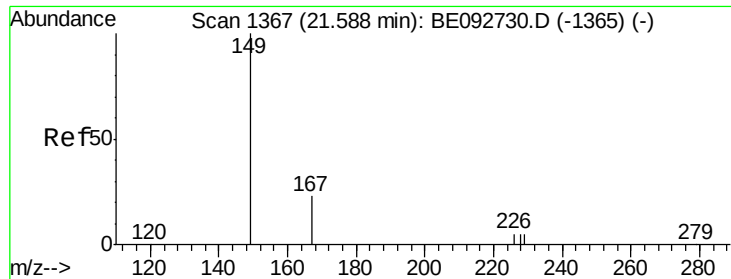


#28  
Chrysene  
Concen: 0.39 ng m  
RT: 21.72 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 36.3  | 54.5# |
| 229     | 17.6  | 10.6  | 16.0# |







#29

Bis(2-ethylhexyl)phthalate

Concen: 0.38 ng

RT: 21.59 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

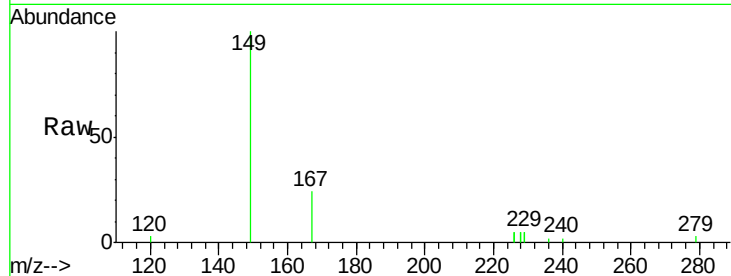
ClientSampleId :

ICVBE021517

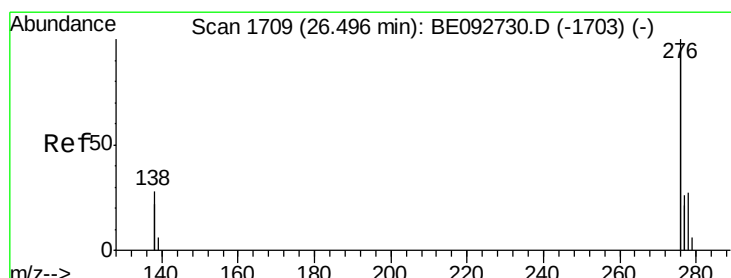
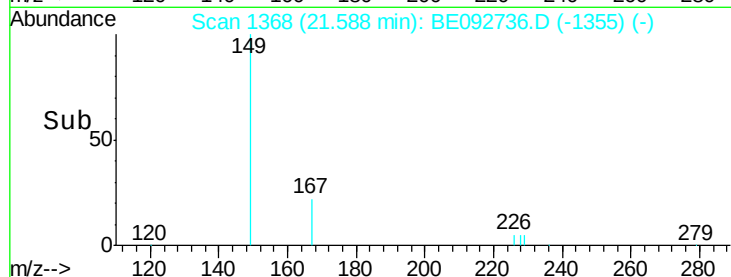
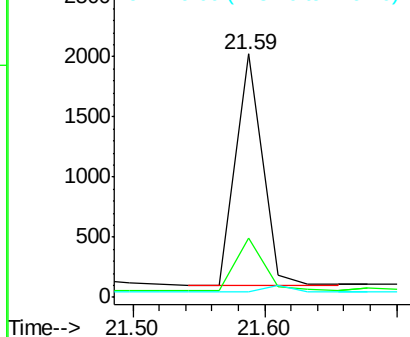
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 2759  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 23.3  | 16.0  | 24.0  |
| 279       | 0.0   | 16.0  | 24.0# |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 26.50 min Scan# 1710

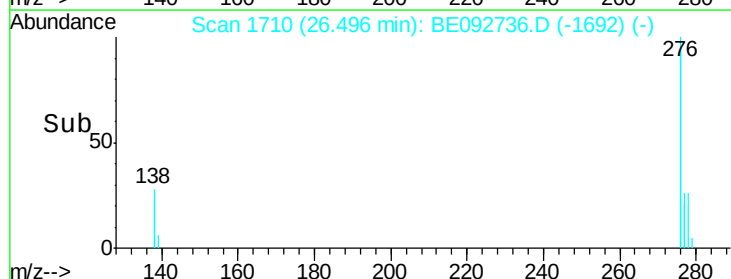
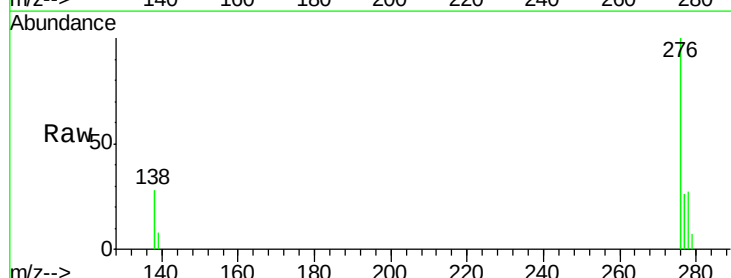
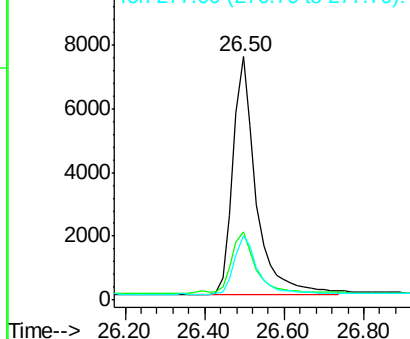
Delta R.T. 0.00 min

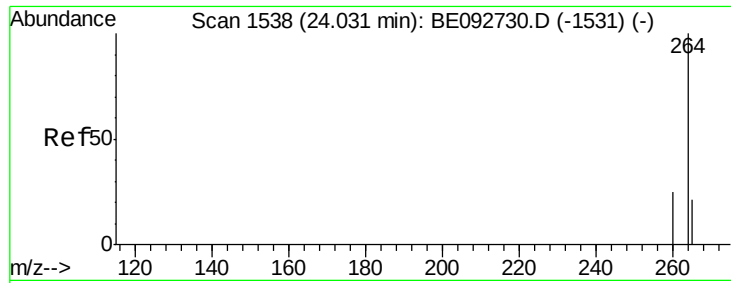
Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 29826 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.4  | 20.3  | 30.5  |
| 277       | 24.8  | 19.7  | 29.5  |

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





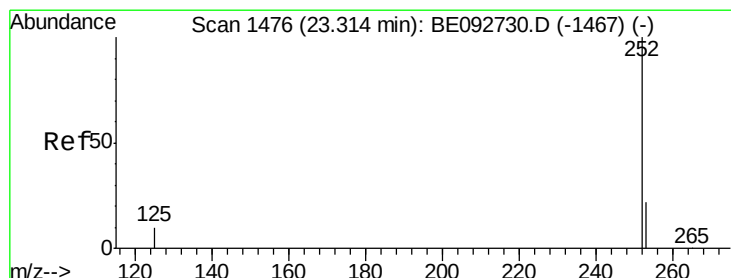
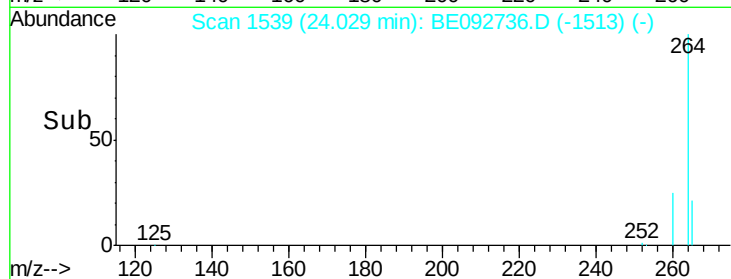
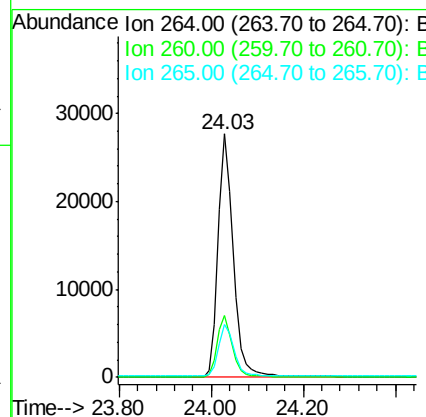
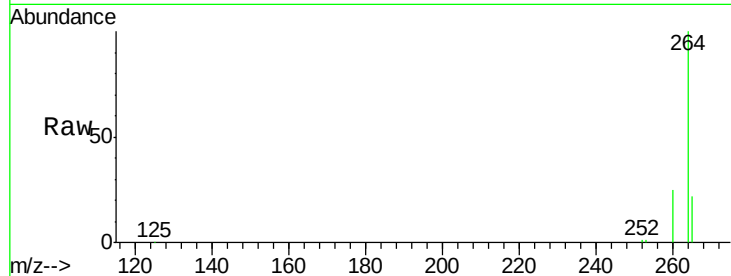
#31  
Perylene-d12  
Concen: 5.00 ng  
RT: 24.03 min Scan# 1539  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 20.1  | 30.1  |
| 265     | 21.6  | 17.9  | 26.9  |

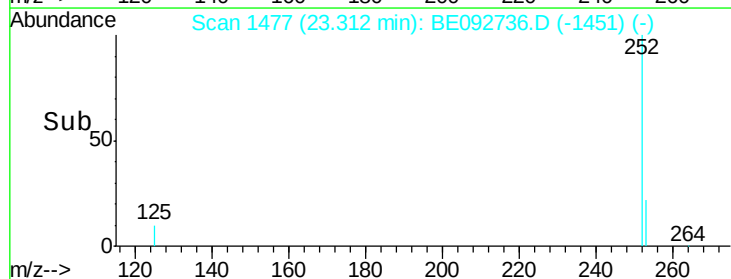
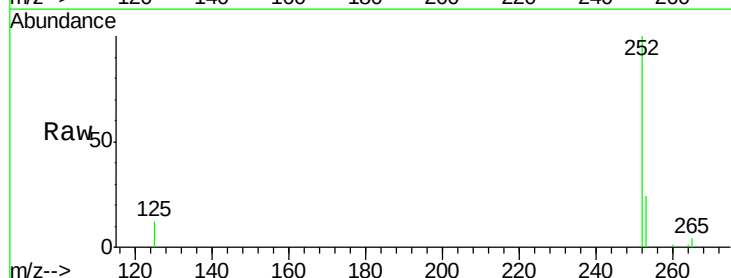
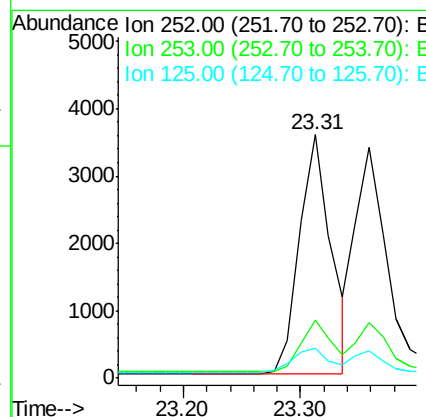
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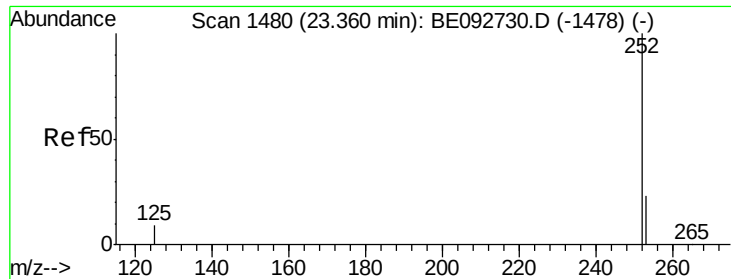
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#32  
Benzo(b)fluoranthene  
Concen: 0.43 ng  
RT: 23.31 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.7  | 28.1  |
| 125     | 12.2  | 10.5  | 15.7  |





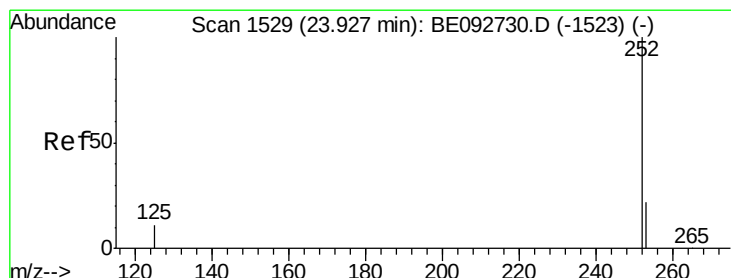
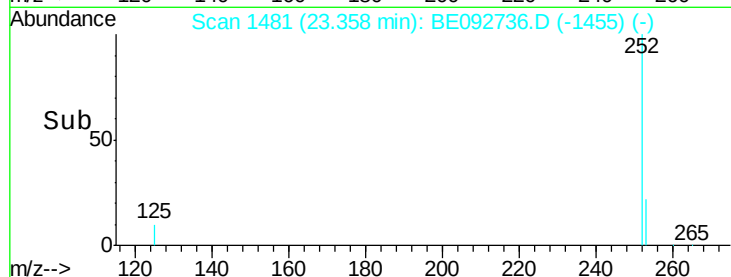
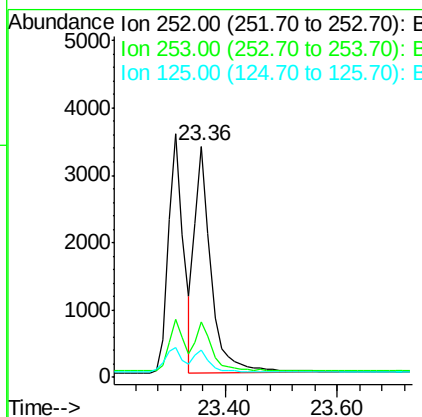
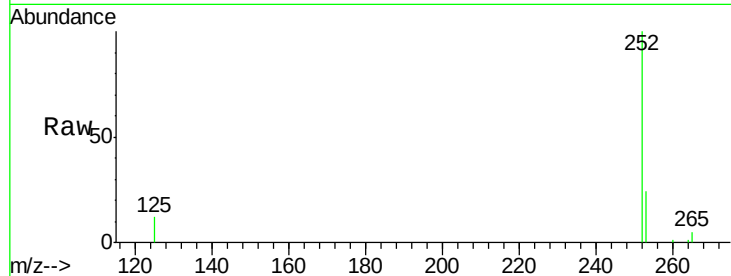
#33  
Benzo(k)fluoranthene  
Concen: 0.38 ng  
RT: 23.36 min Scan# 1481  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE021517

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 20.3  | 30.5  |
| 125     | 12.0  | 9.6   | 14.4  |

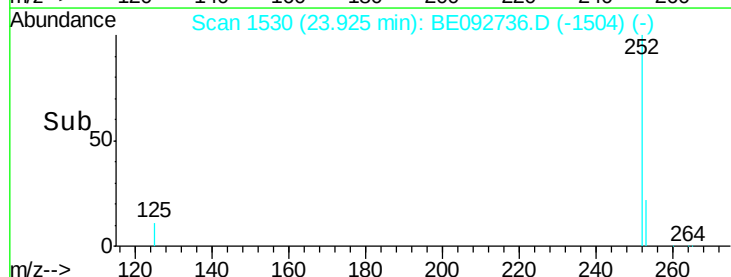
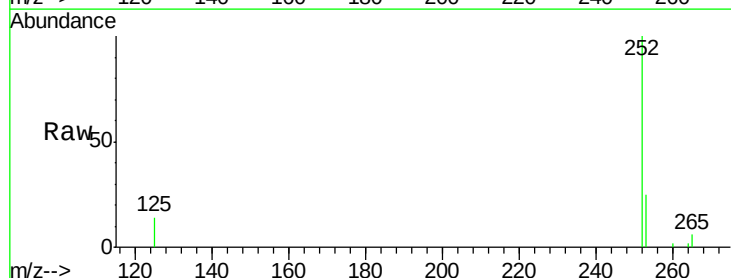
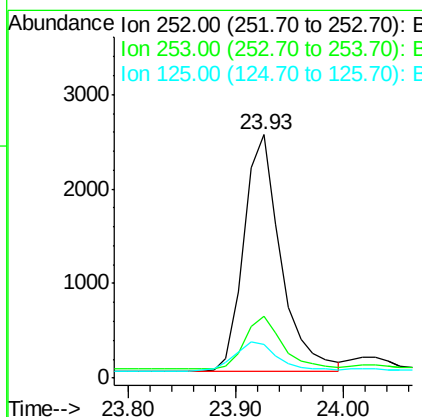
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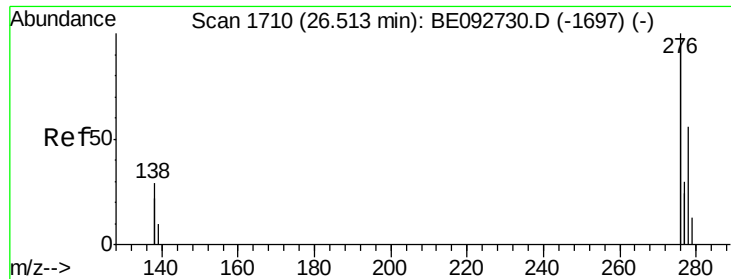
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#34  
Benzo(a)pyrene  
Concen: 0.36 ng  
RT: 23.93 min Scan# 1530  
Delta R.T. -0.00 min  
Lab File: BE092736.D  
Acq: 15 Feb 2017 16:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 19.0  | 28.6  |
| 125     | 13.9  | 11.8  | 17.8  |





#35

Dibenzo(a,h)anthracene

Concen: 0.39 ng

RT: 26.51 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

Instrument :

BNA\_E

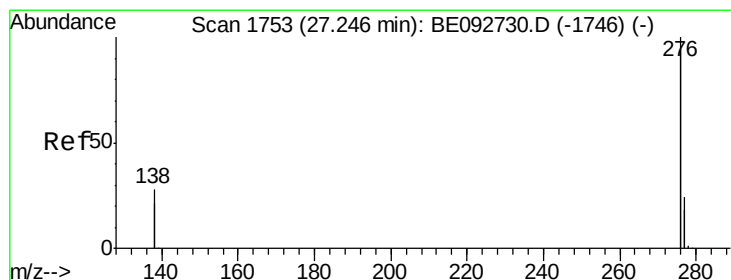
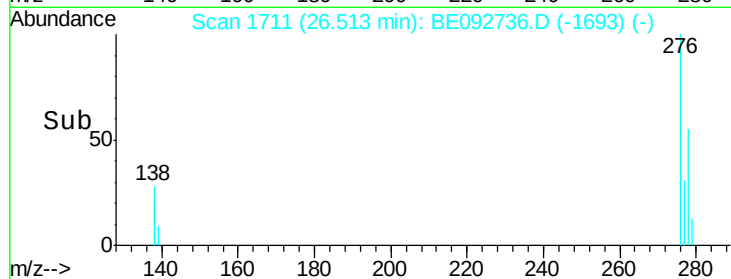
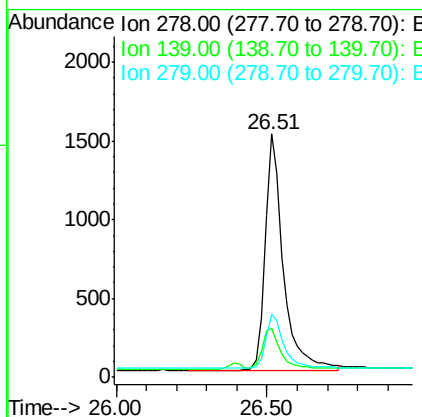
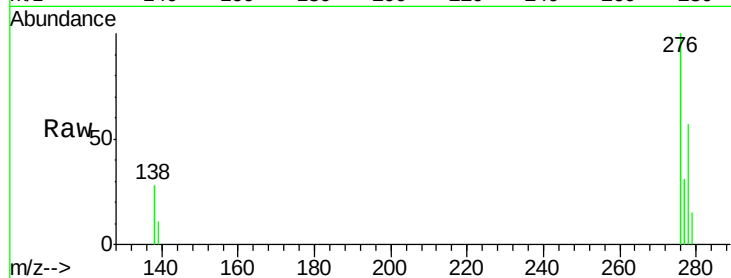
ClientSampleId :

ICVBE021517

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 6214 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 20.1  | 13.8  | 20.8 |
| 279       | 25.9  | 21.4  | 32.2 |

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#36

Benzo(g,h,i)perylene

Concen: 0.40 ng

RT: 27.25 min Scan# 1754

Delta R.T. 0.00 min

Lab File: BE092736.D

Acq: 15 Feb 2017 16:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 26274 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.5  | 19.8  | 29.8  |
| 138       | 27.1  | 19.8  | 29.6  |

