

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE022017\  
 Data File : BE092752.D  
 Acq On : 20 Feb 2017 17:51  
 Operator : SJ/MA  
 Sample : I1899-02MSD 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS050SS218(0-6)-170216

Manual Integrations  
 APPROVED

mohammad  
 2/21/2017 10:38:38 AM

Quant Time: Feb 21 00:34:28 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      | 8.10  | 152  | 12735    | 5.00  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.88 | 136  | 61167    | 5.00  | ng    | -0.02    |
| 12) Acenaphthene-d10           | 14.76 | 164  | 38109    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.51 | 188  | 82502    | 5.00  | ng    | 0.00     |
| 24) Chrysene-d12               | 21.70 | 240  | 71227    | 5.00  | ng    | 0.00     |
| 31) Perylene-d12               | 24.03 | 264  | 79072    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.61  | 112  | 7074     | 2.86  | ng    | -0.02    |
| 5) Phenol-d6                   | 7.29  | 99   | 9625     | 3.17  | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 9.27  | 82   | 4562     | 1.17  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol       | 16.25 | 330  | 2477     | 3.06  | ng    | -0.03    |
| 14) 2-Fluorobiphenyl           | 13.38 | 172  | 9898     | 1.07  | ng    | -0.02    |
| 26) Terphenyl-d14              | 20.12 | 244  | 12118    | 1.33  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 1193     | 0.71  | ng    | # 67     |
| 3) n-Nitrosodimethylamine      | 3.70  | 42   | 2093     | 1.06  | ng    | # 98     |
| 6) bis(2-Chloroethyl)ether     | 7.52  | 93   | 3994     | 1.19  | ng    | 90       |
| 9) Naphthalene                 | 10.93 | 128  | 14919    | 1.13  | ng    | 95       |
| 10) Hexachlorobutadiene        | 11.22 | 225  | 1948     | 1.00  | ng    | 99       |
| 11) 2-Methylnaphthalene        | 12.56 | 142  | 9099     | 1.09  | ng    | 97       |
| 15) Acenaphthylene             | 14.47 | 152  | 75021    | 1.30  | ng    | 100      |
| 16) Acenaphthene               | 14.82 | 154  | 12669    | 1.52  | ng    | 94       |
| 17) Fluorene                   | 15.81 | 166  | 14694    | 1.37  | ng    | 100      |
| 19) Hexachlorobenzene          | 16.84 | 284  | 2785     | 0.87  | ng    | # 39     |
| 20) Pentachlorophenol          | 17.19 | 266  | 2453     | 2.79  | ng    | # 89     |
| 21) Phenanthrene               | 17.56 | 178  | 134643   | 6.87  | ng    | 95       |
| 22) Anthracene                 | 17.65 | 178  | 34374    | 1.90  | ng    | 98       |
| 23) Fluoranthene               | 19.54 | 202  | 1492420  | 17.75 | ng    | 98       |
| 25) Pyrene                     | 19.92 | 202  | 1320863  | 19.48 | ng    | 94       |
| 27) Benzo(a)anthracene         | 21.68 | 228  | 805678m  | 11.66 | ng    |          |
| 28) Chrysene                   | 21.72 | 228  | 741382m  | 9.05  | ng    |          |
| 29) Bis(2-ethylhexyl)phthalate | 21.59 | 149  | 58826    | 6.15  | ng    | # 73     |
| 30) Indeno(1,2,3-cd)pyrene     | 26.46 | 276  | 600827   | 7.05  | ng    | 98       |
| 32) Benzo(b)fluoranthene       | 23.30 | 252  | 301460m  | 14.44 | ng    |          |
| 33) Benzo(k)fluoranthene       | 23.35 | 252  | 93907m   | 4.25  | ng    |          |
| 34) Benzo(a)pyrene             | 23.91 | 252  | 190796   | 9.39  | ng    | 97       |
| 35) Dibenzo(a,h)anthracene     | 26.48 | 278  | 45507    | 2.28  | ng    | 95       |
| 36) Benzo(g,h,i)perylene       | 27.23 | 276  | 575865   | 6.95  | ng    | 98       |

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

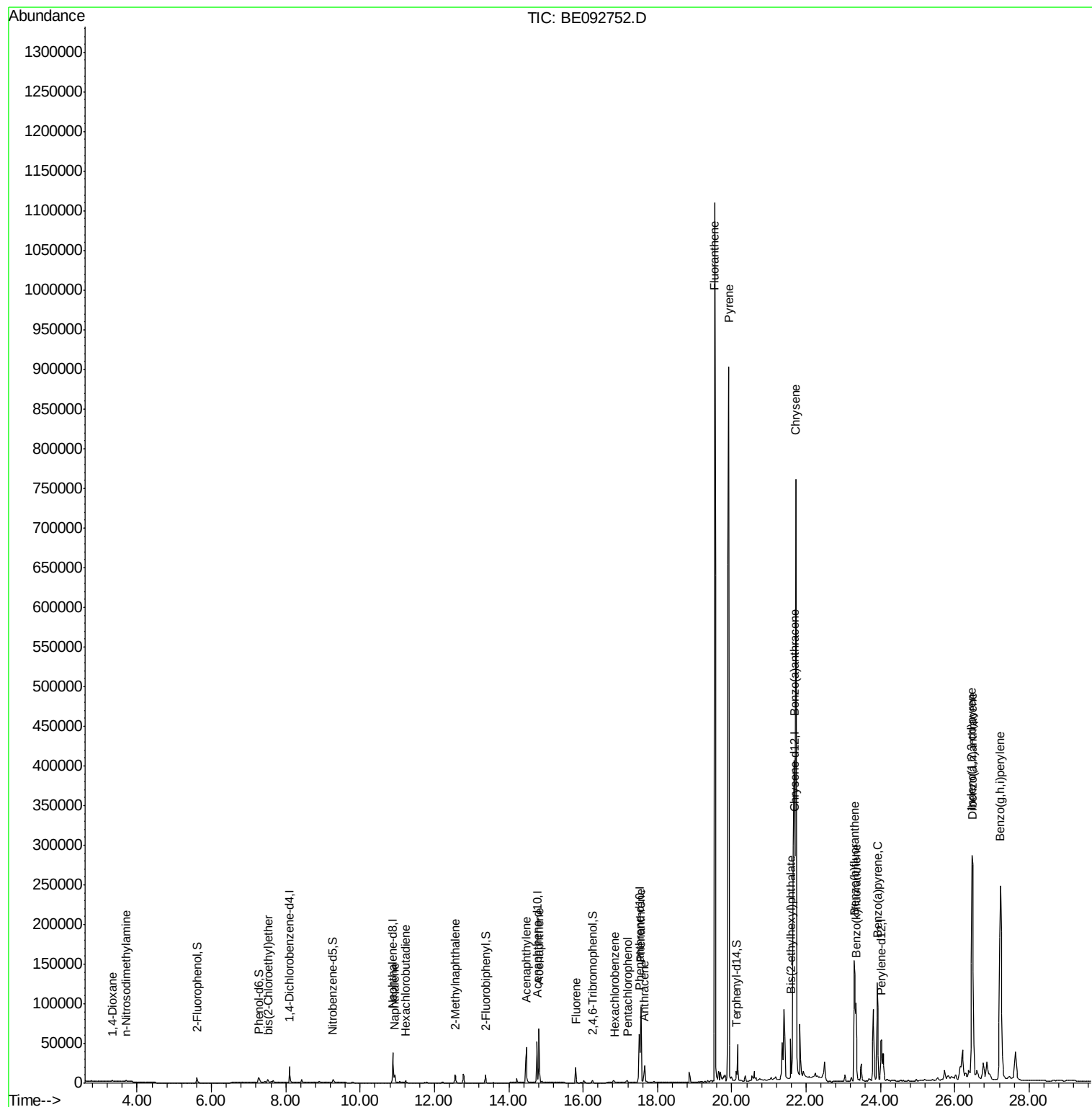
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE022017\  
Data File : BE092752.D  
Acq On : 20 Feb 2017 17:51  
Operator : SJ/MA  
Sample : I1899-02MSD 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

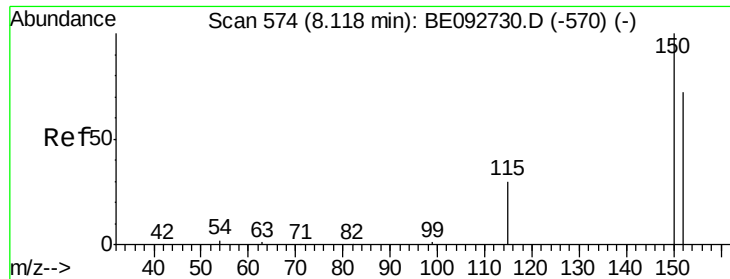
Instrument :  
BNA\_E  
ClientSampleId :  
SS050SS218(0-6)-170216

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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: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

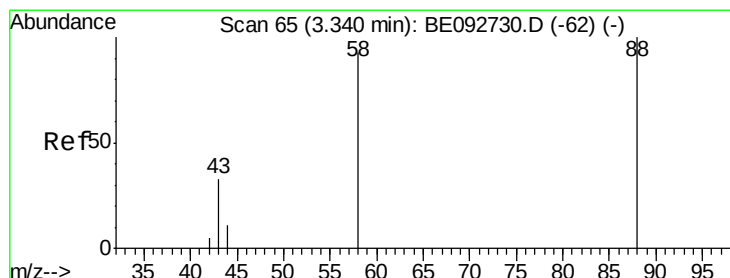
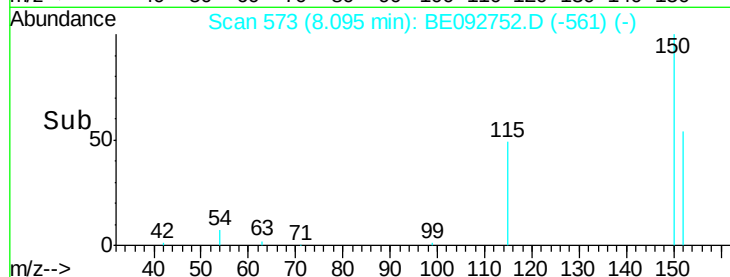
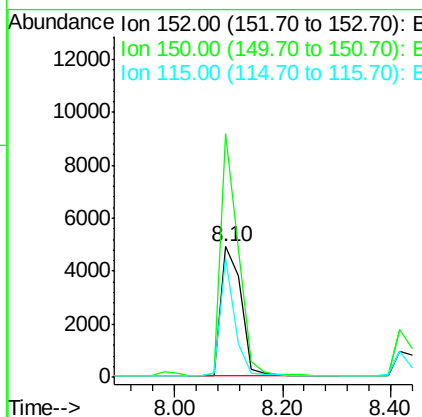
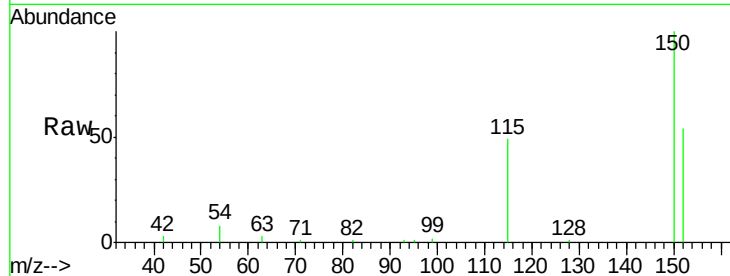
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 12735  |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 185.9 | 106.0 | 159.0# |
| 115       | 91.6  | 31.2  | 46.8#  |

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#2

1,4-Dioxane

Concen: 0.71 ng

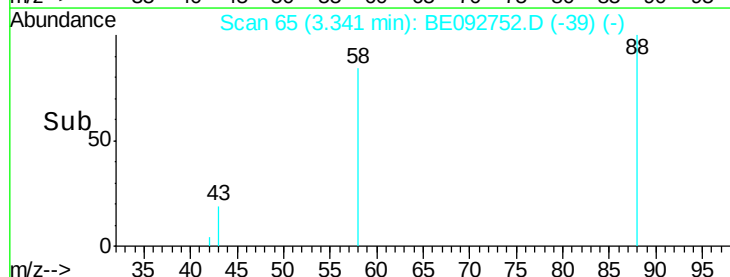
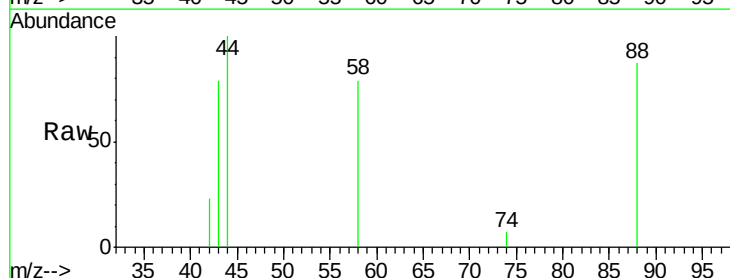
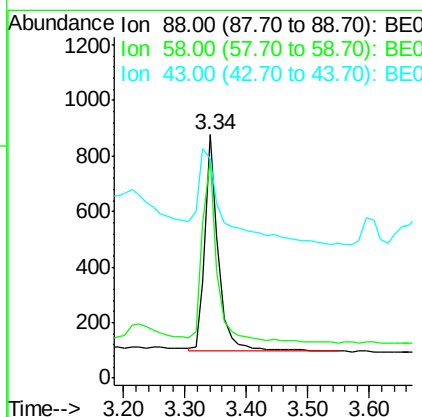
RT: 3.34 min Scan# 65

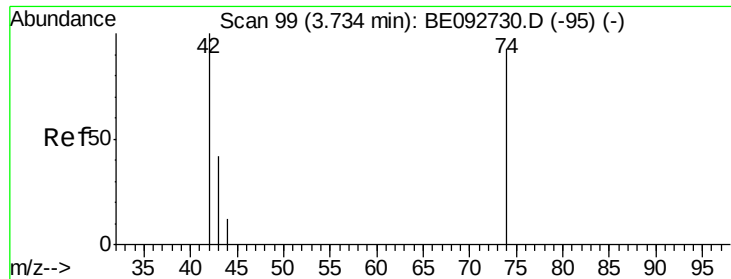
Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 1193  |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 87.0  | 63.6  | 95.4  |
| 43        | 87.1  | 28.0  | 42.0# |





#3

n-Nitrosodimethylamine

Concen: 1.06 ng

RT: 3.70 min Scan# 96

Delta R.T. -0.03 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

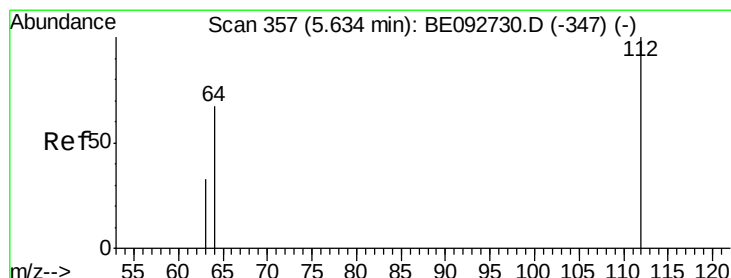
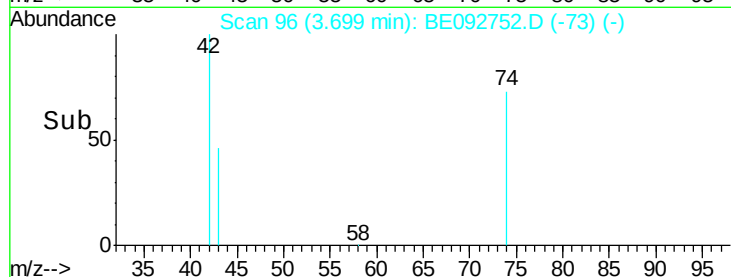
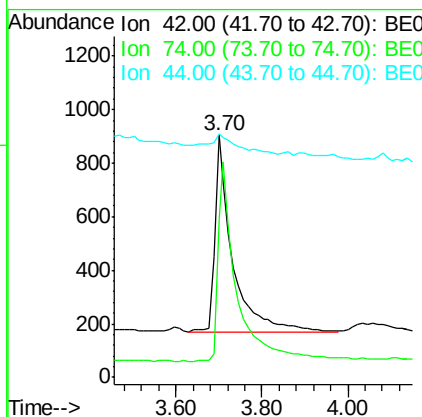
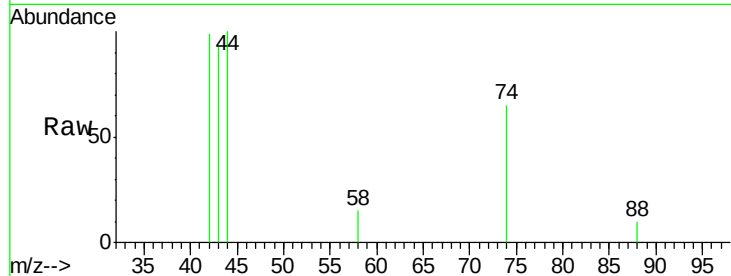
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 2093  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 108.0 | 86.0  | 129.0 |
| 44        | 14.2  | 5.1   | 7.7#  |

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#4

2-Fluorophenol

Concen: 2.86 ng

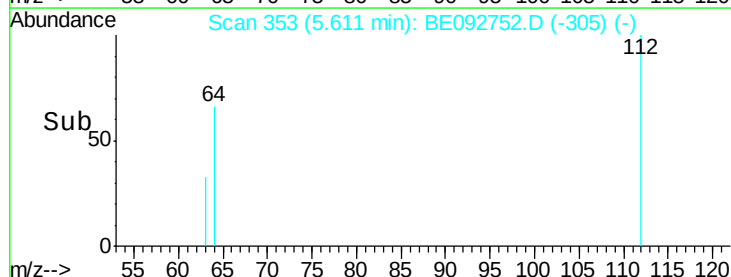
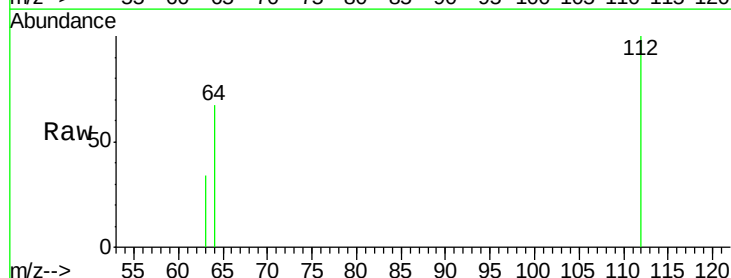
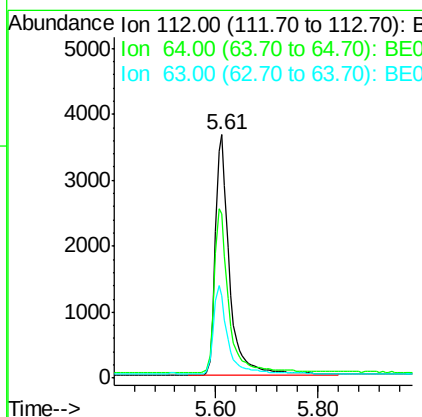
RT: 5.61 min Scan# 353

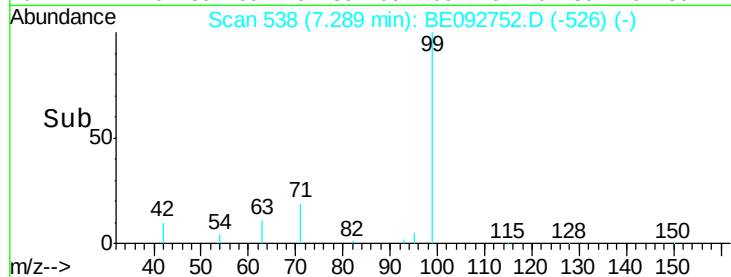
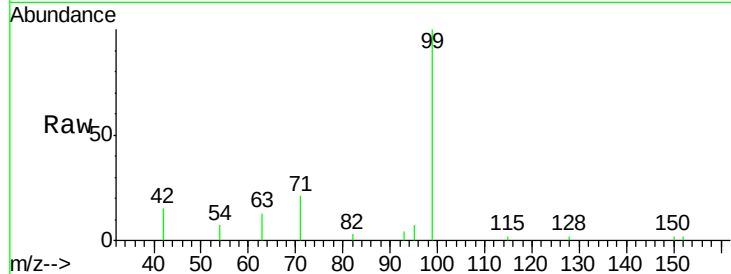
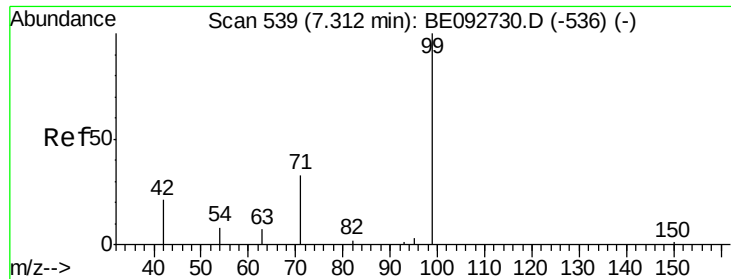
Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 7074 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 68.7  | 53.5  | 80.3 |
| 63        | 37.2  | 27.9  | 41.9 |





#5

Phenol-d6

Concen: 3.17 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 99      | 100   | 9625 |       |       |
| 42      | 0.0   | 16.0 | 24.0# |       |
| 71      | 0.0   | 30.6 | 45.8# |       |

Instrument :

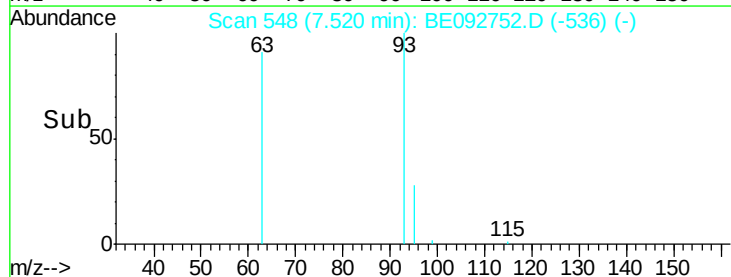
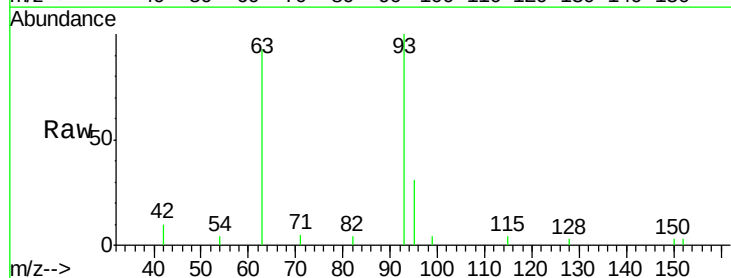
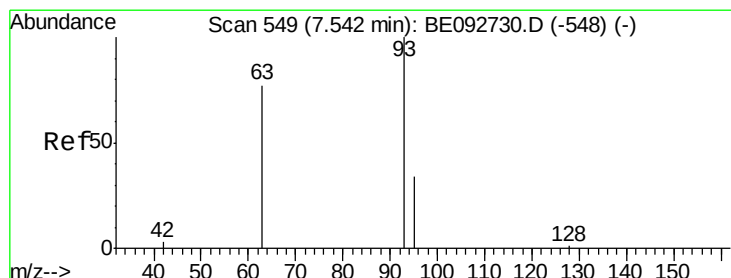
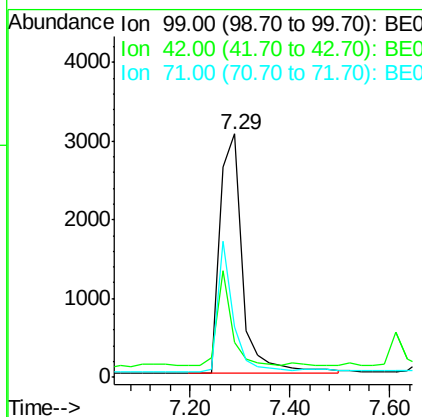
BNA\_E

ClientSampleId :

SS050SS218(0-6)-170216

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#6

bis(2-Chloroethyl)ether

Concen: 1.19 ng

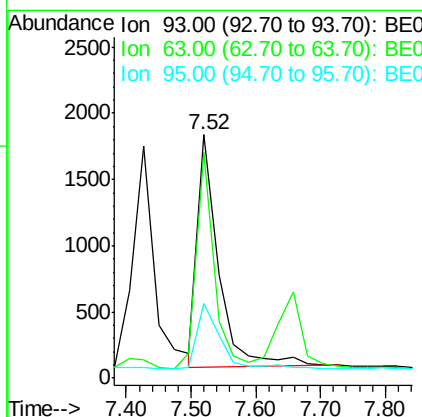
RT: 7.52 min Scan# 548

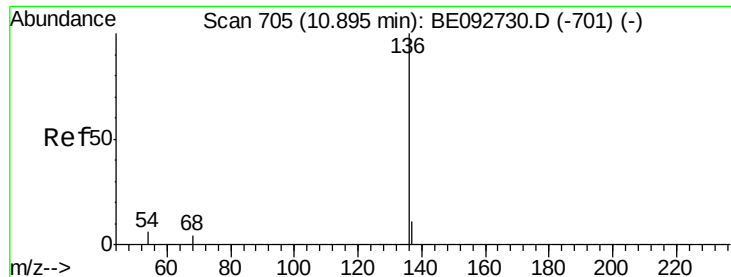
Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 3994 |       |       |
| 63      | 77.5  | 71.6 | 107.4 |       |
| 95      | 30.9  | 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: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

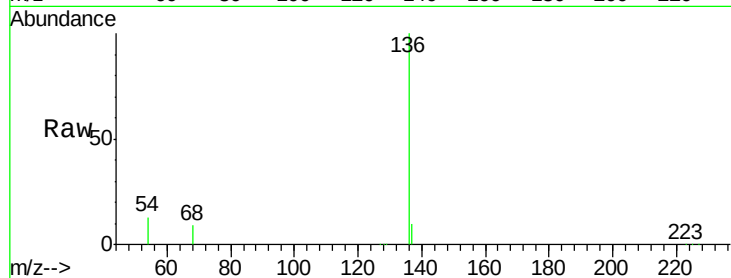
ClientSampleId :

SS050SS218(0-6)-170216

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 61167 |       |       |
| 137     | 10.0  | 8.2   | 12.4  |       |
| 54      | 13.3  | 9.6   | 14.4  |       |
| 68      | 9.0   | 6.7   | 10.1  |       |

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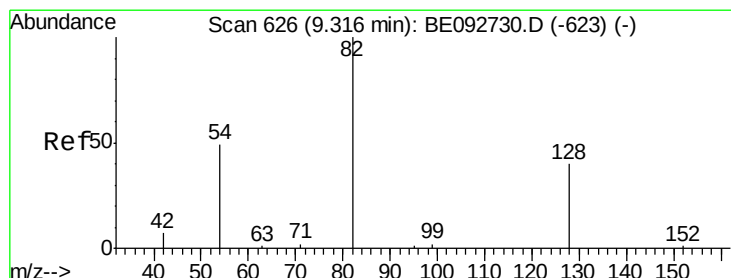
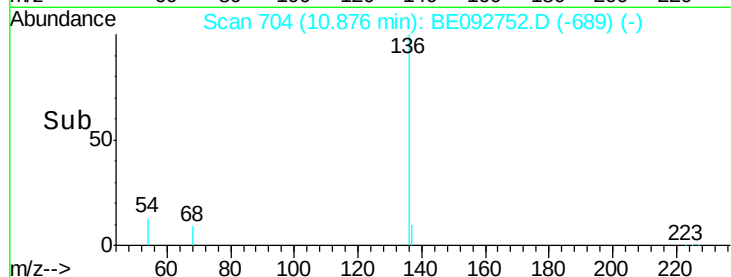
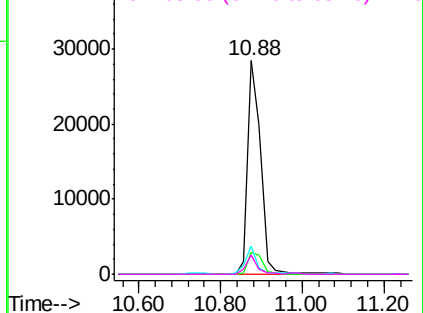


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.17 ng

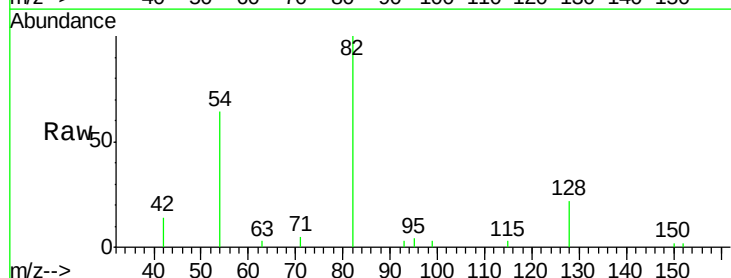
RT: 9.27 min Scan# 624

Delta R.T. -0.05 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

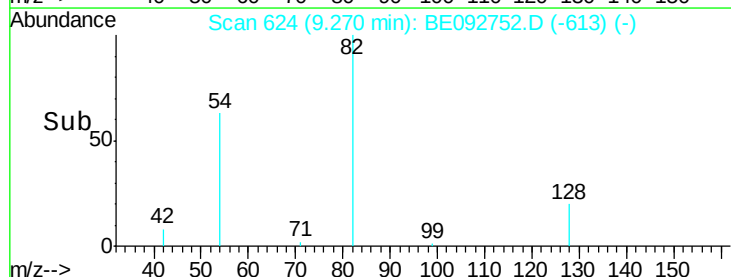
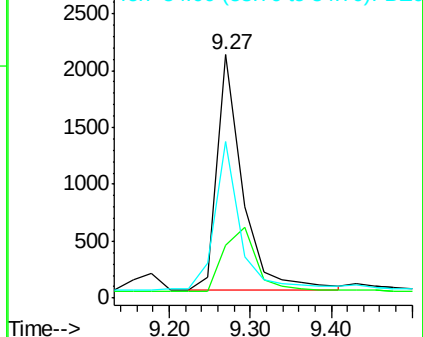
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 4562 |       |       |
| 128     | 22.0  | 39.0 | 58.4# |       |
| 54      | 64.4  | 44.8 | 67.2  |       |

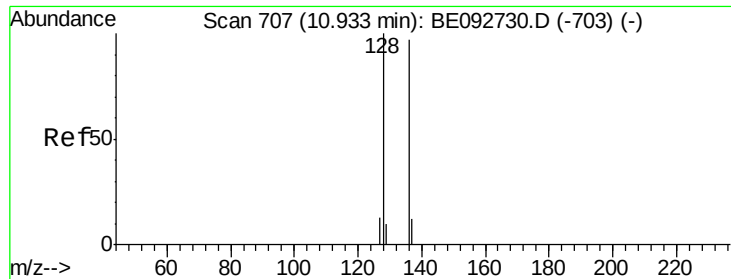


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.13 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

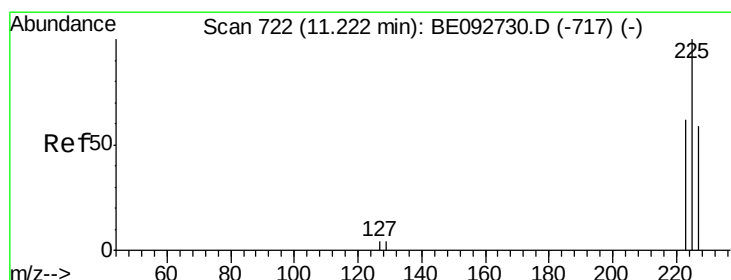
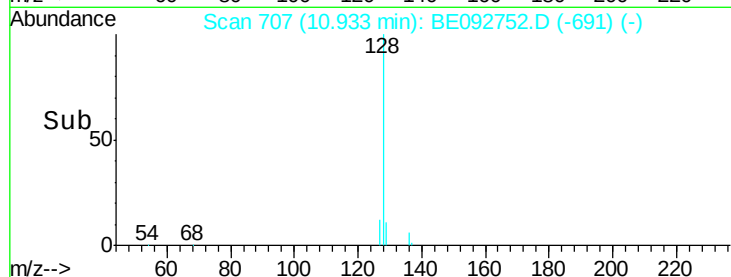
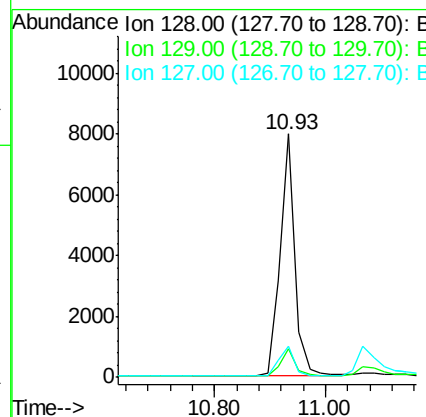
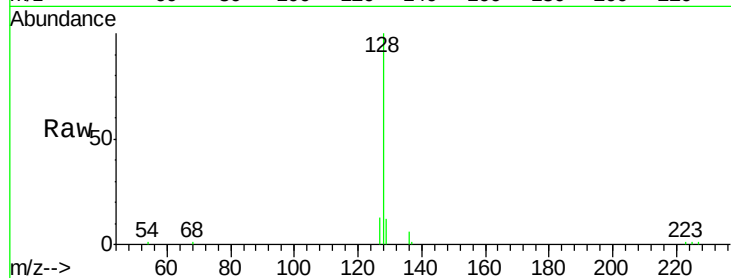
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 14919 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.8  | 11.2  | 16.8  |
| 127       | 12.6  | 11.6  | 17.4  |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 1.00 ng

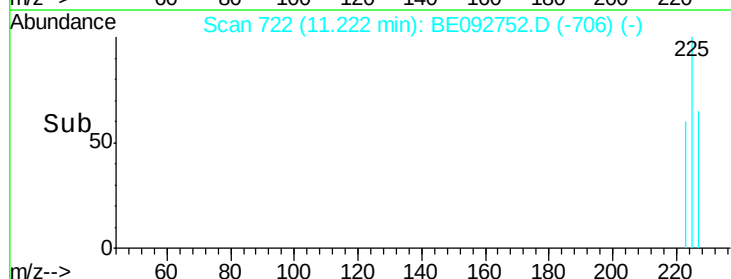
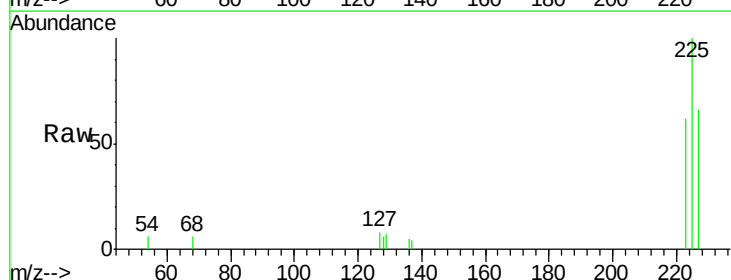
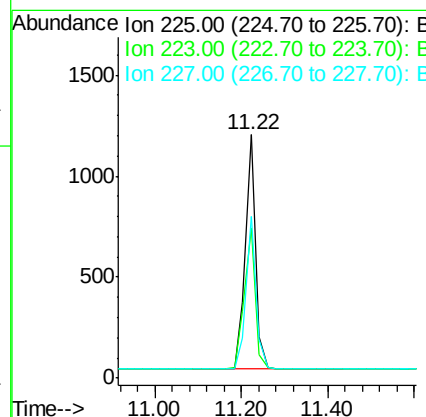
RT: 11.22 min Scan# 722

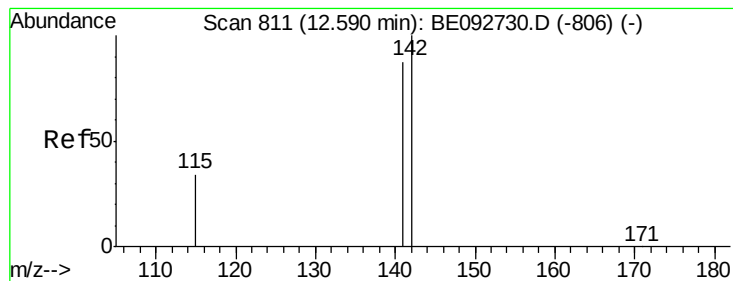
Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1948 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.8  | 50.6  | 76.0 |
| 227       | 63.7  | 51.4  | 77.0 |





#11

2-Methylnaphthalene

Concen: 1.09 ng

RT: 12.56 min Scan# 808

Delta R.T. -0.03 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

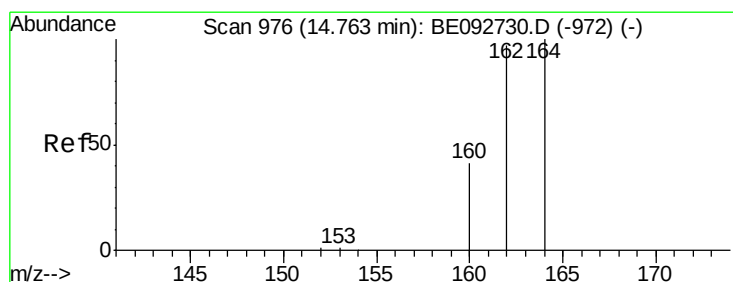
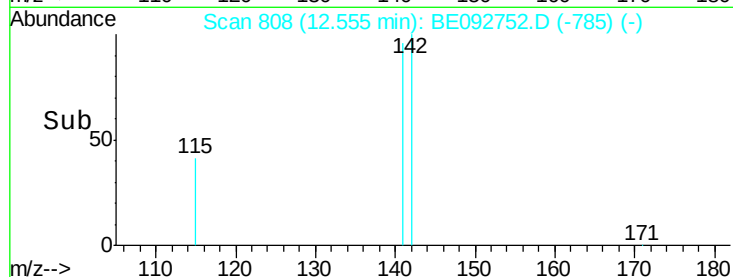
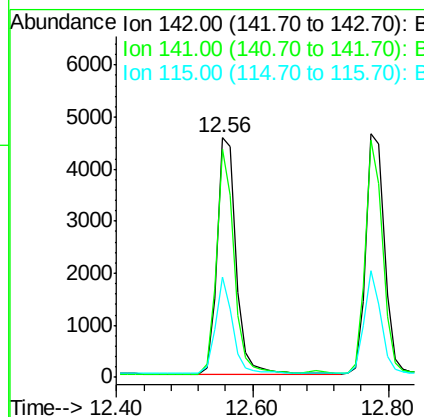
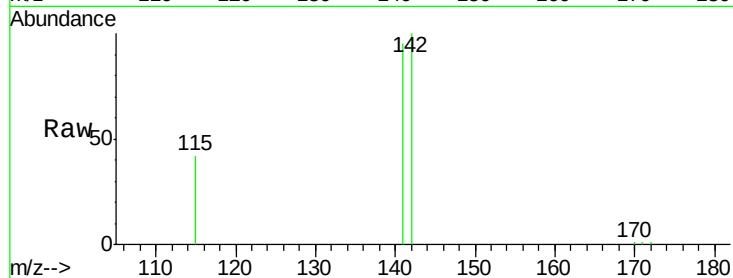
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 9099  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 95.4  | 73.7  | 110.5 |
| 115       | 41.8  | 34.0  | 51.0  |

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#12

Acenaphthene-d10

Concen: 5.00 ng

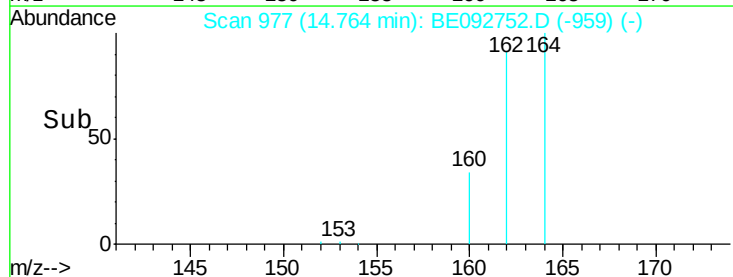
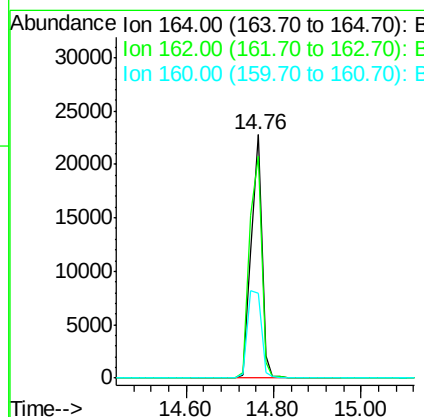
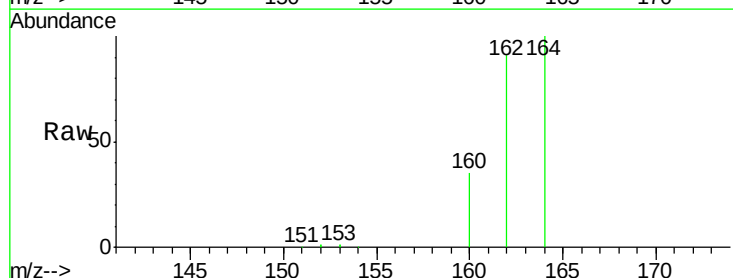
RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

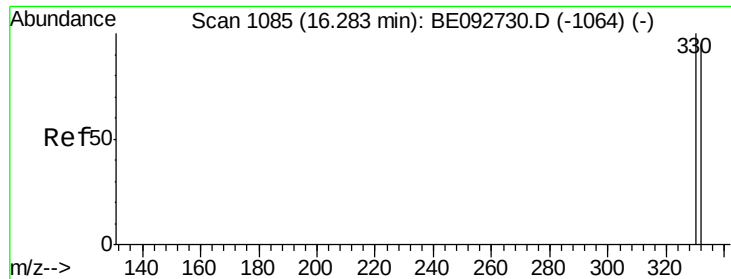
Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 38109 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 91.0  | 71.4  | 107.0 |
| 160       | 34.7  | 27.4  | 41.2  |







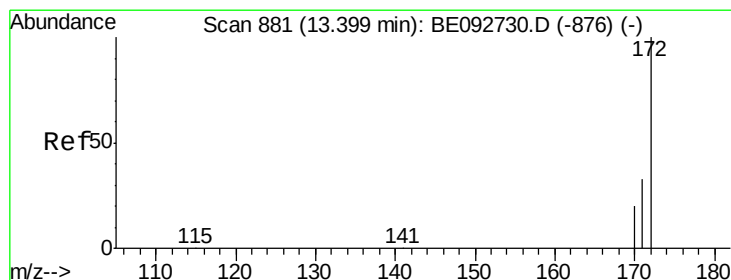
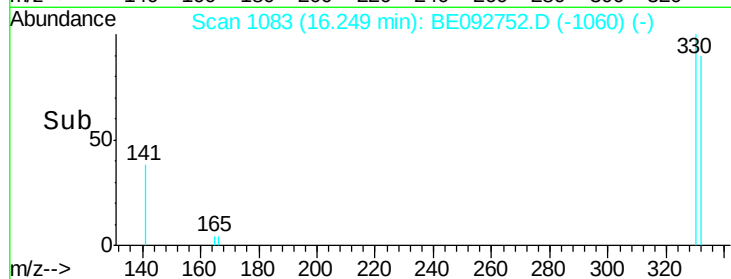
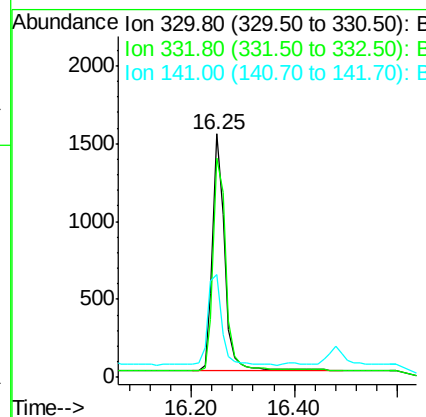
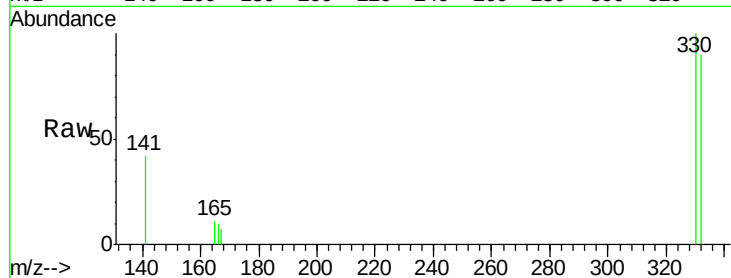
#13  
 2,4,6-Tribromophenol  
 Concen: 3.06 ng  
 RT: 16.25 min Scan# 1083  
 Delta R.T. -0.03 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS050SS218(0-6)-170216

Tgt Ion: 330 Resp: 2477  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 75.4 113.0  
 141 44.0 31.0 46.6

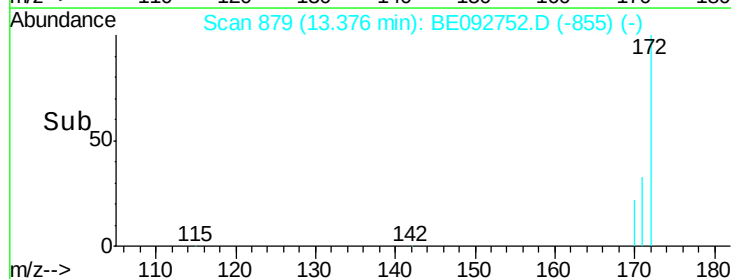
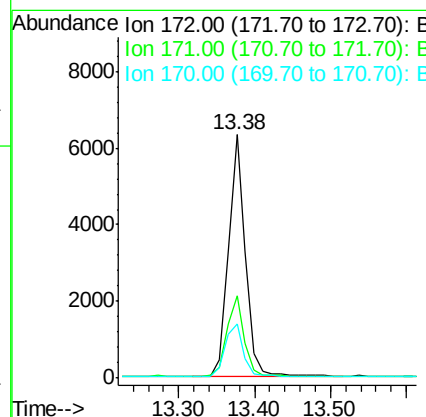
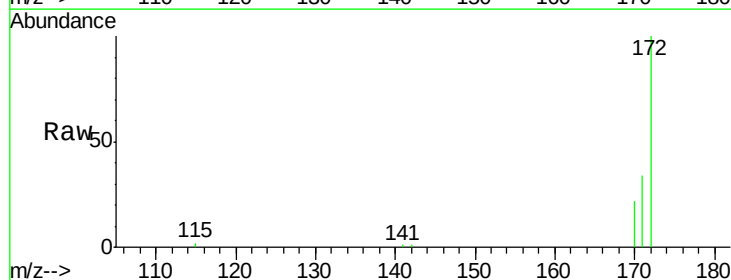
Manual Integrations  
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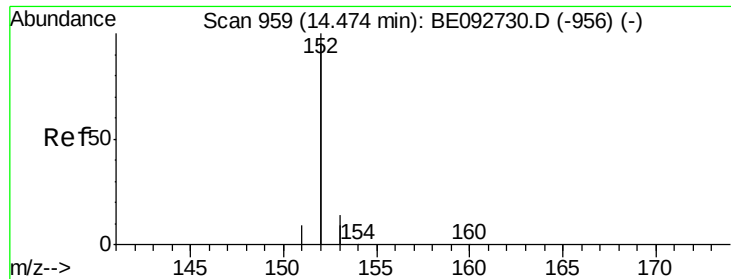
mohammad  
 2/21/2017 10:38:38 AM



#14  
 2-Fluorobiphenyl  
 Concen: 1.07 ng  
 RT: 13.38 min Scan# 879  
 Delta R.T. -0.02 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Tgt Ion: 172 Resp: 9898  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 30.1 45.1  
 170 22.2 21.8 32.6





#15

Acenaphthylene

Concen: 1.30 ng

RT: 14.47 min Scan# 960

Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

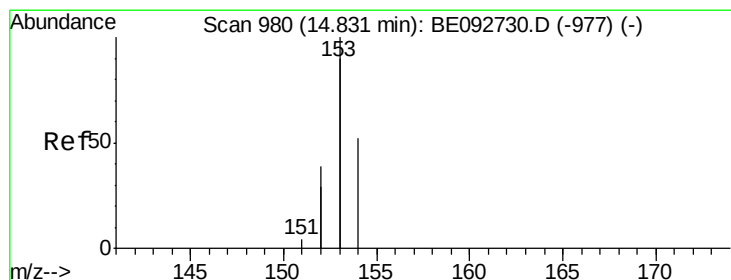
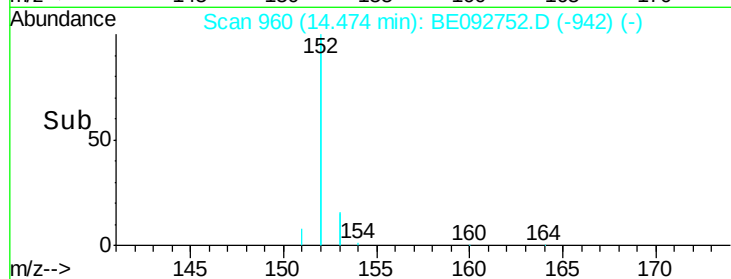
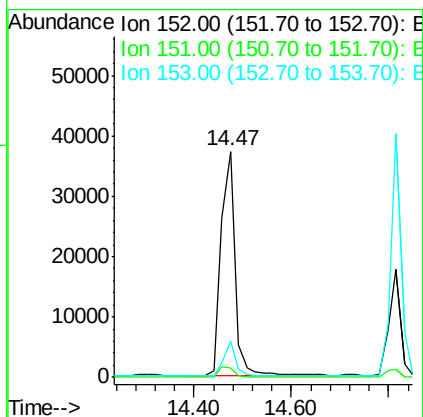
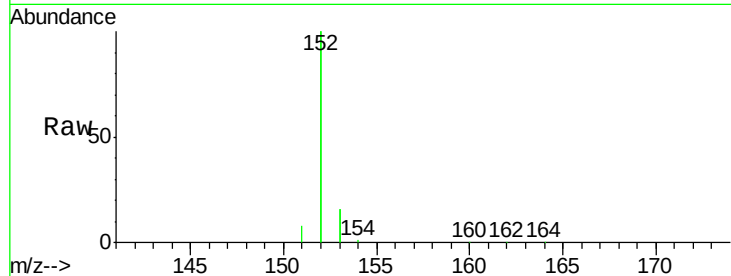
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 75021 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 4.8   | 3.9   | 5.9   |
| 153       | 13.1  | 10.4  | 15.6  |

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#16

Acenaphthene

Concen: 1.52 ng

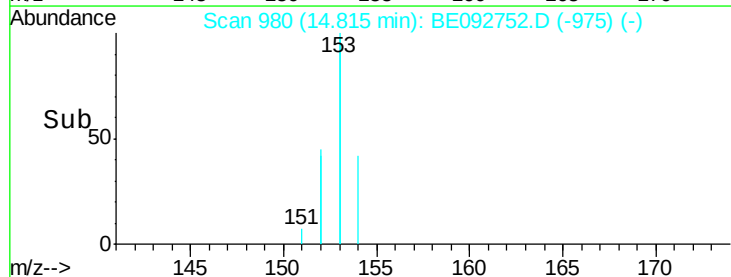
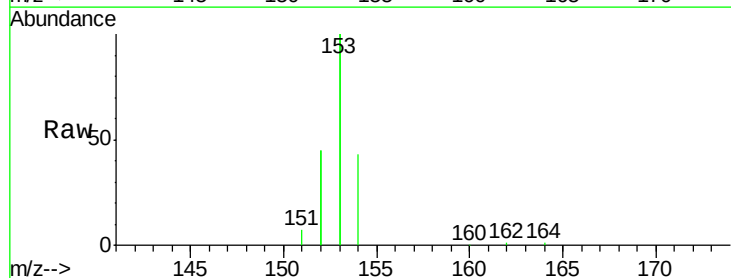
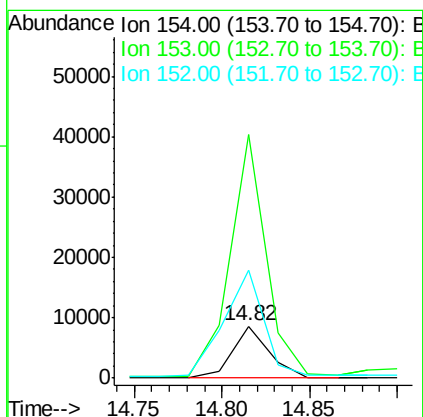
RT: 14.82 min Scan# 980

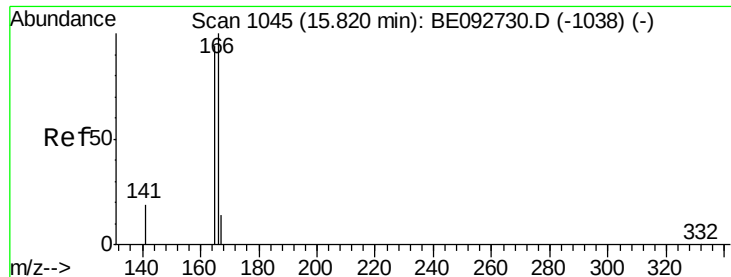
Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 12669 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 455.5 | 350.8 | 526.2 |
| 152       | 221.6 | 171.1 | 256.7 |





#17

Fluorene

Concen: 1.37 ng

RT: 15.81 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

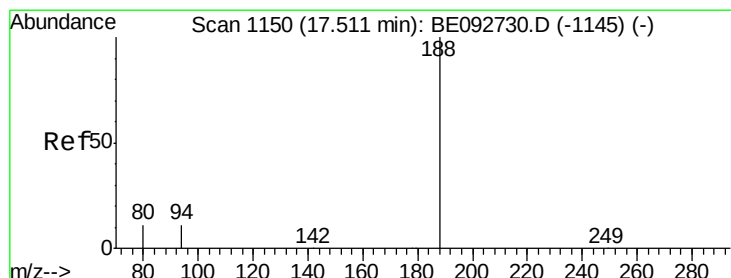
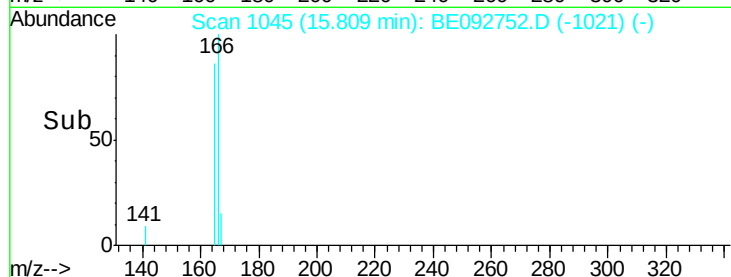
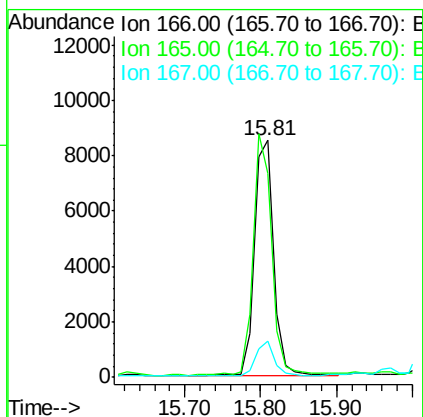
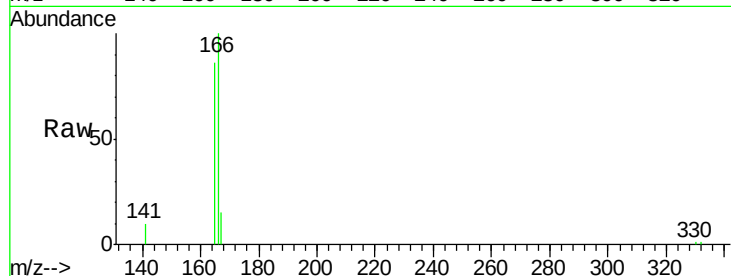
ClientSampleId :

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 78.2  | 117.4 |
| 167     | 13.5  | 11.0  | 16.4  |

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#18

Phenanthrene-d10

Concen: 5.00 ng

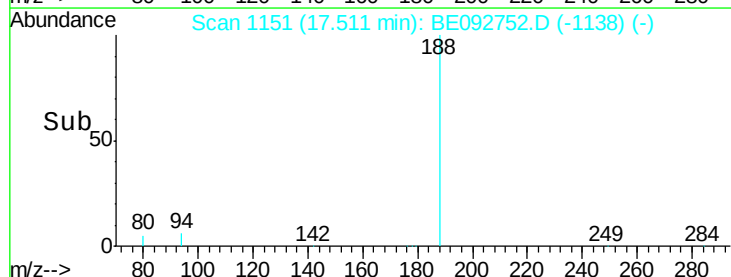
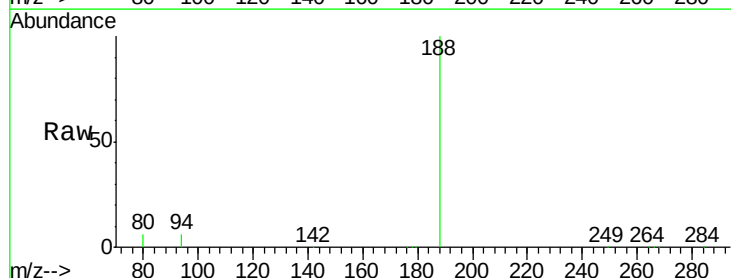
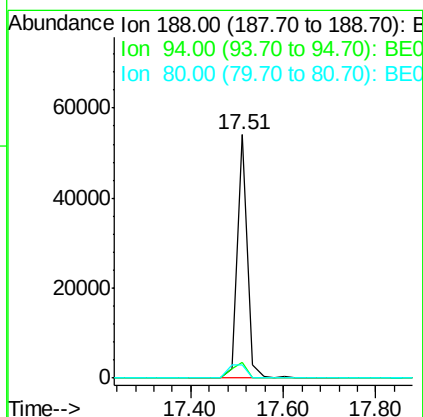
RT: 17.51 min Scan# 1151

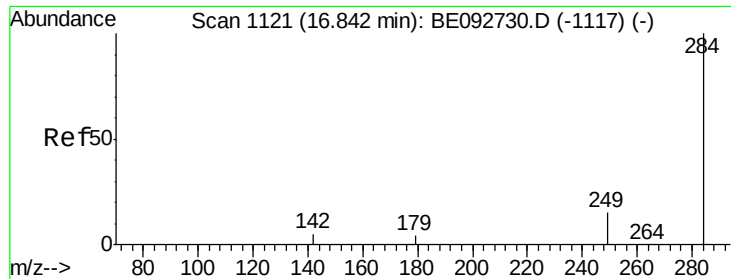
Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.2   | 3.2   | 4.8#  |
| 80      | 5.5   | 2.6   | 3.8#  |





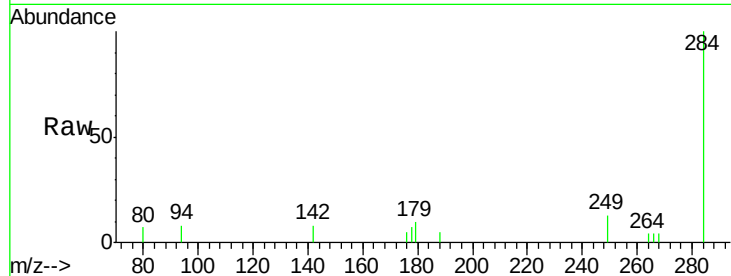
#19  
Hexachlorobenzene  
Concen: 0.87 ng  
RT: 16.84 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BE092752.D  
Acq: 20 Feb 2017 17:51

Instrument :  
BNA\_E  
ClientSampleId :  
SS050SS218(0-6)-170216

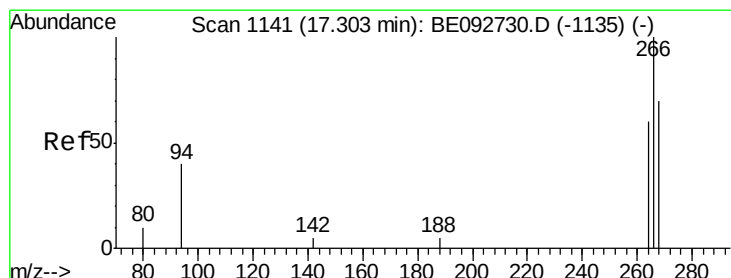
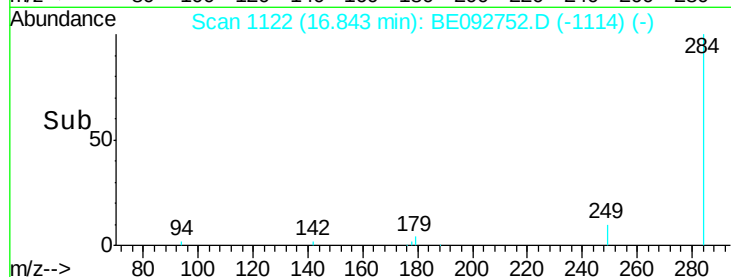
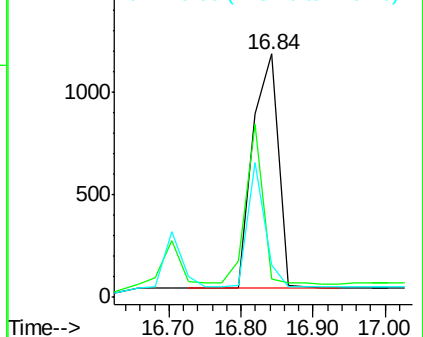
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 284     | 100   |            |       |
| 142     | 0.0   | 29.1       | 43.7# |
| 249     | 0.0   | 27.9       | 41.9# |

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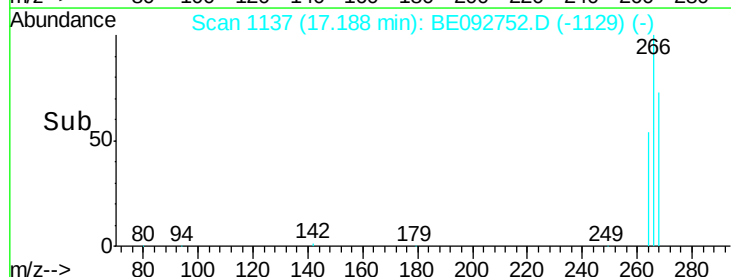
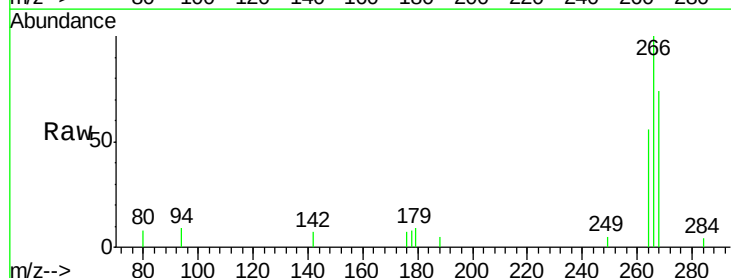
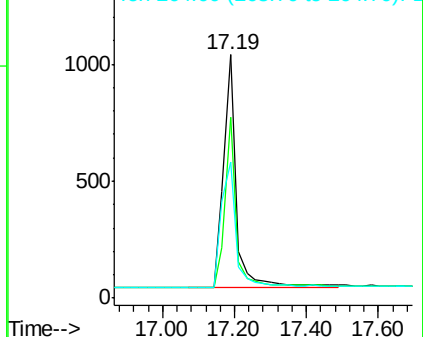
Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

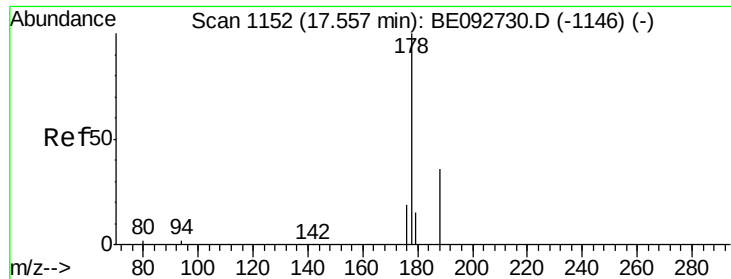


#20  
Pentachlorophenol  
Concen: 2.79 ng  
RT: 17.19 min Scan# 1137  
Delta R.T. -0.11 min  
Lab File: BE092752.D  
Acq: 20 Feb 2017 17:51

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 74.4  | 62.5       | 93.7  |
| 264     | 55.8  | 57.2       | 85.8# |

Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 6.87 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

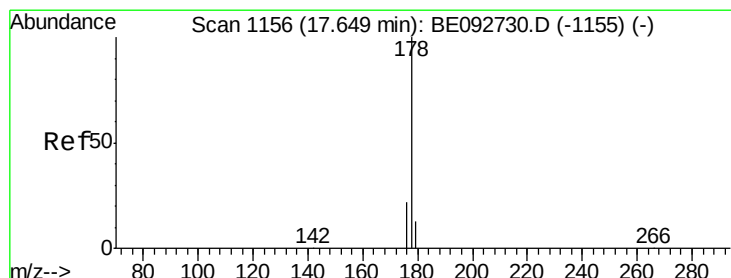
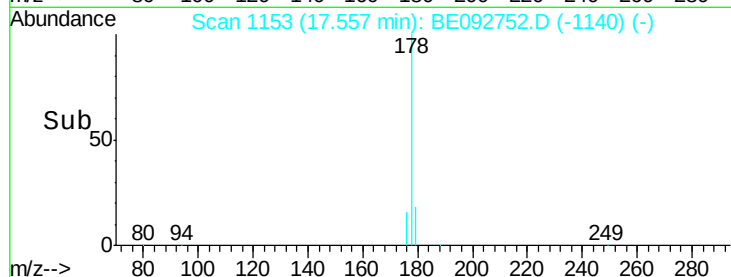
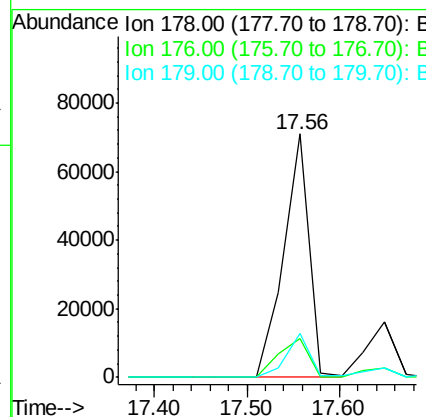
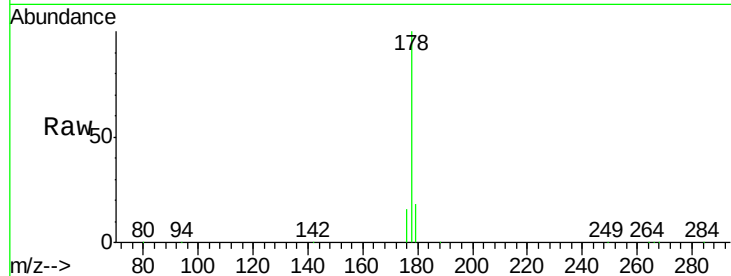
ClientSampleId :

SS050SS218(0-6)-170216

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 134643 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.9  | 15.8  | 23.8   |
| 179       | 16.7  | 16.0  | 24.0   |

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#22

Anthracene

Concen: 1.90 ng

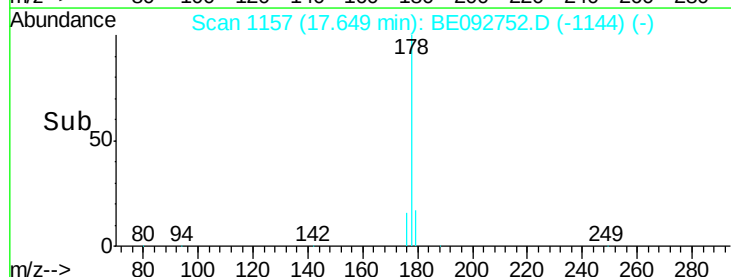
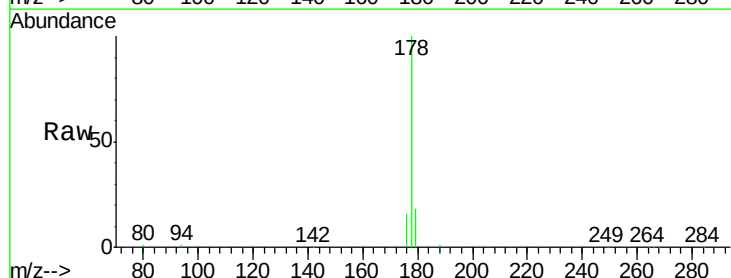
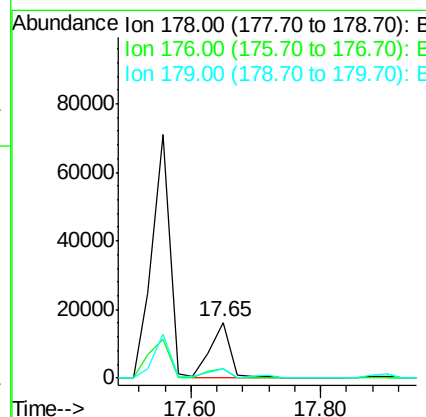
RT: 17.65 min Scan# 1157

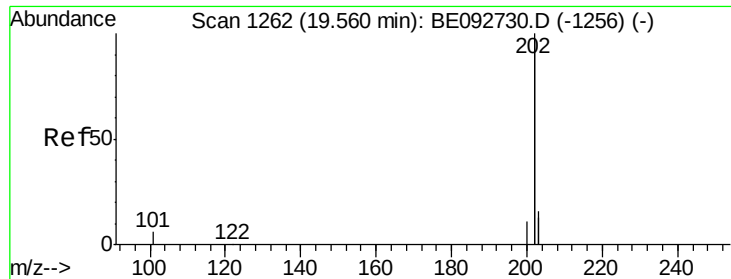
Delta R.T. 0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 34374 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.5  | 15.0  | 22.4  |
| 179       | 13.1  | 12.2  | 18.2  |





#23

Fluoranthene

Concen: 17.75 ng

RT: 19.54 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

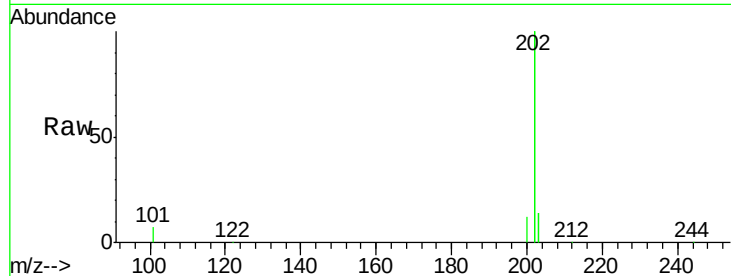
SS050SS218(0-6)-170216

Tgt Ion:202 Resp: 1492420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 3.0   | 2.2   | 3.4   |
| 203 | 17.9  | 13.7  | 20.5  |

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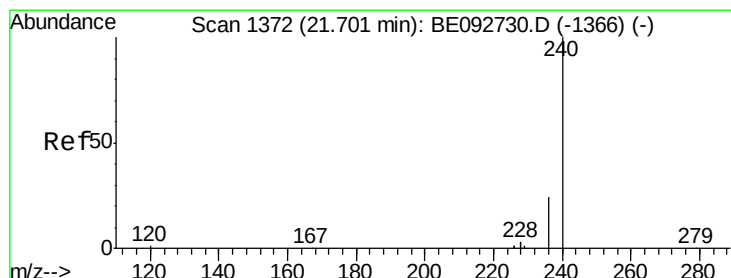
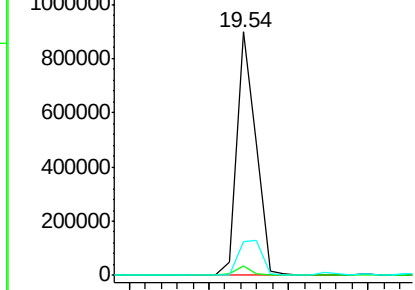
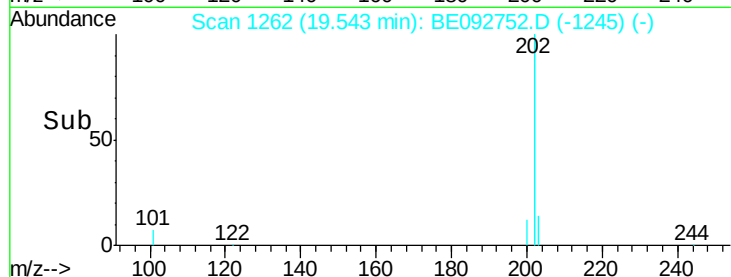
mohammad  
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.70 min Scan# 1373

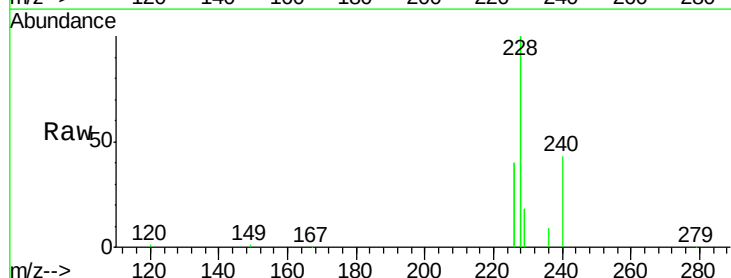
Delta R.T. -0.00 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

Tgt Ion:240 Resp: 71227

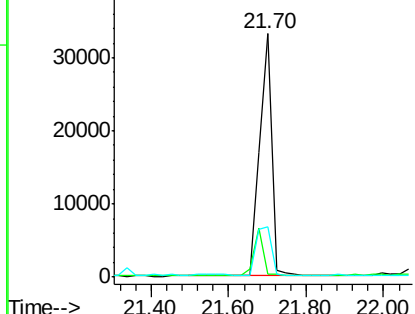
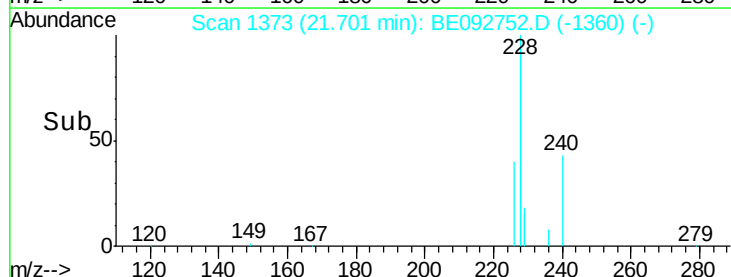
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 1.3   | 2.6   | 4.0#  |
| 236 | 20.4  | 24.6  | 37.0# |

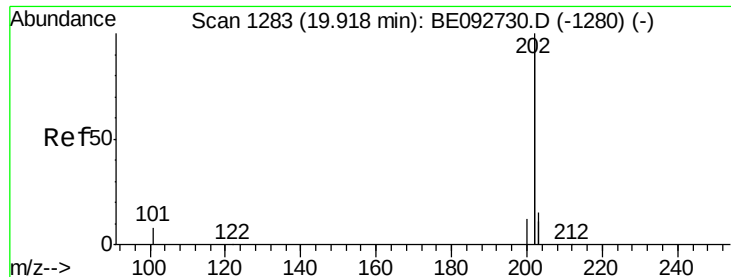


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





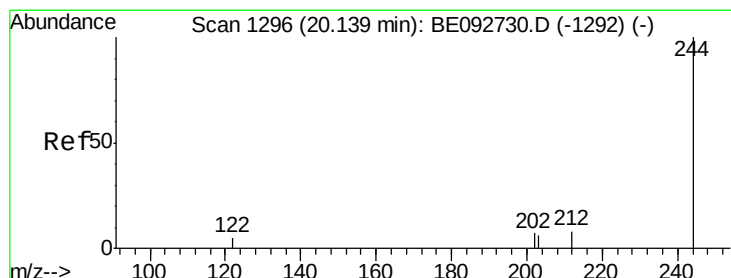
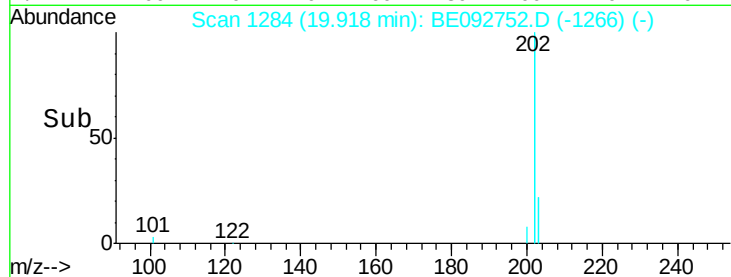
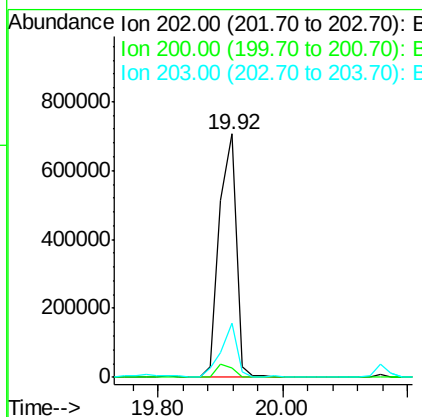
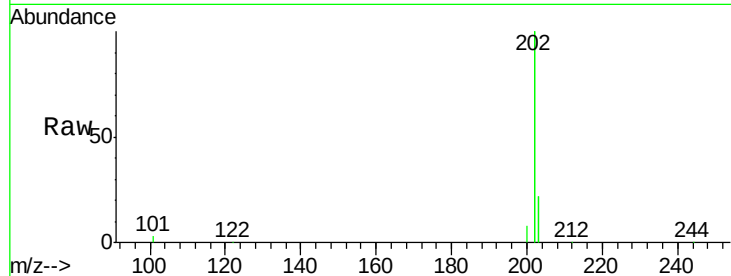
#25  
 Pyrene  
 Concen: 19.48 ng  
 RT: 19.92 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS050SS218(0-6)-170216

Tgt Ion: 202 Resp: 1320863  
 Ion Ratio Lower Upper  
 202 100  
 200 5.4 4.2 6.4  
 203 20.8 13.9 20.9

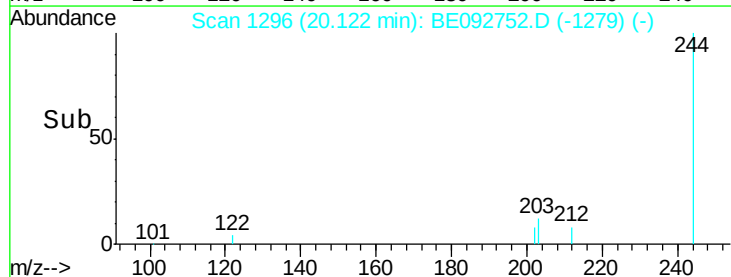
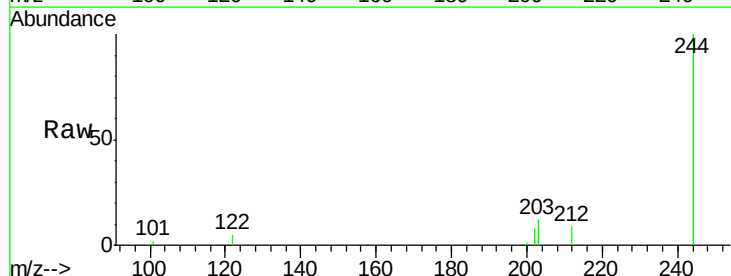
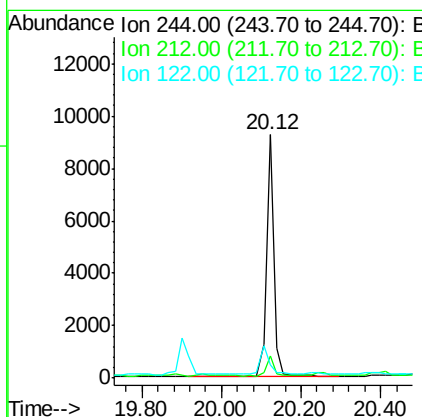
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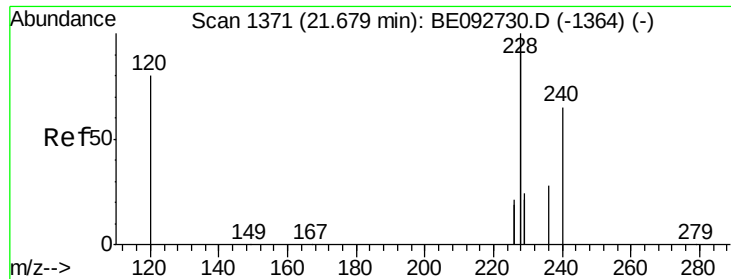
mohammad  
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#26  
 Terphenyl-d14  
 Concen: 1.33 ng  
 RT: 20.12 min Scan# 1296  
 Delta R.T. -0.02 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Tgt Ion: 244 Resp: 12118  
 Ion Ratio Lower Upper  
 244 100  
 212 9.0 6.7 10.1  
 122 5.2 3.6 5.4





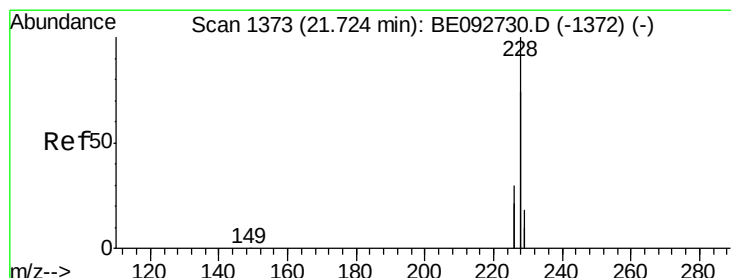
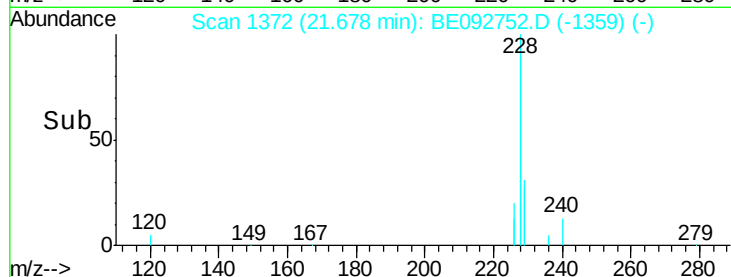
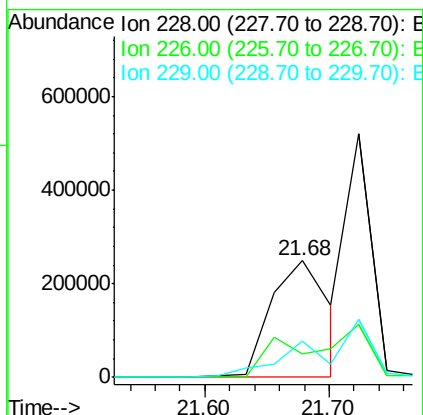
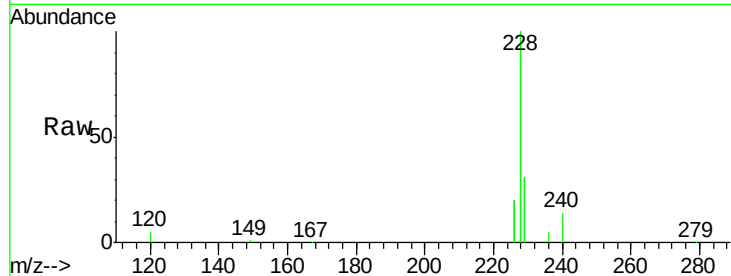
#27  
Benzo(a)anthracene  
Concen: 11.66 ng m  
RT: 21.68 min Scan# 1372  
Delta R.T. -0.00 min  
Lab File: BE092752.D  
Acq: 20 Feb 2017 17:51

Instrument :  
BNA\_E  
ClientSampleId :  
SS050SS218(0-6)-170216

Tgt Ion:228 Resp: 805678  
Ion Ratio Lower Upper  
228 100  
226 20.2 23.6 35.4#  
229 30.9 13.3 19.9#

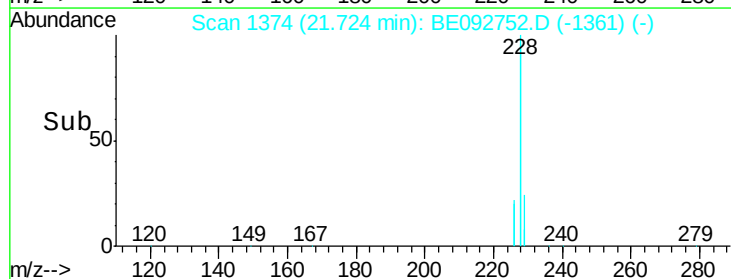
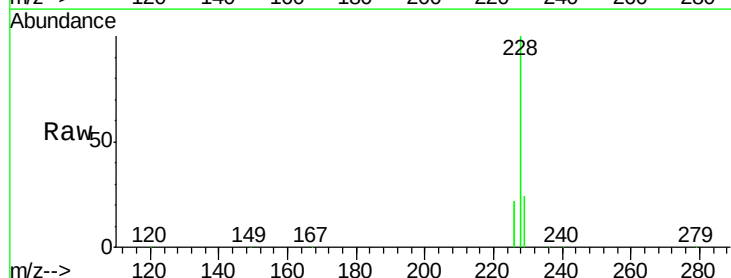
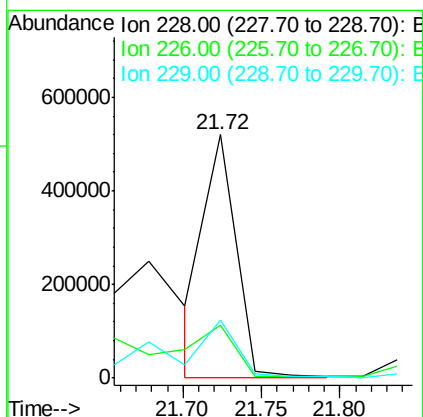
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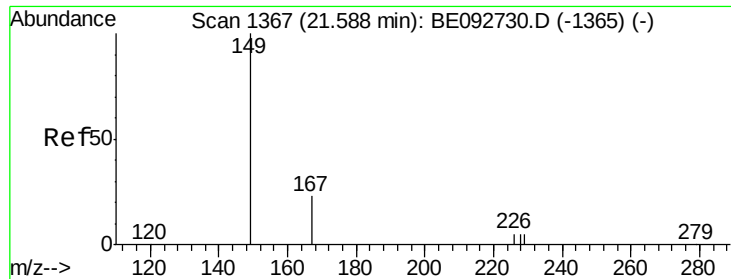


#28  
Chrysene  
Concen: 9.05 ng m  
RT: 21.72 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BE092752.D  
Acq: 20 Feb 2017 17:51

Tgt Ion:228 Resp: 741382  
Ion Ratio Lower Upper  
228 100  
226 21.8 36.3 54.5#  
229 24.1 10.6 16.0#







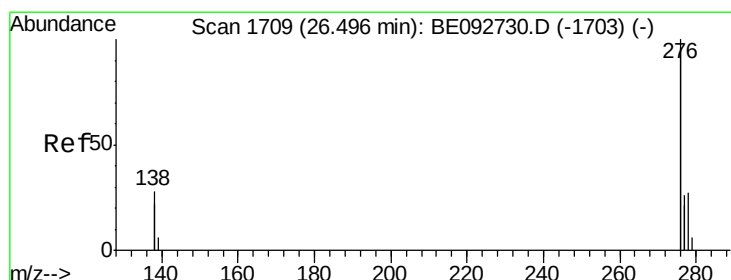
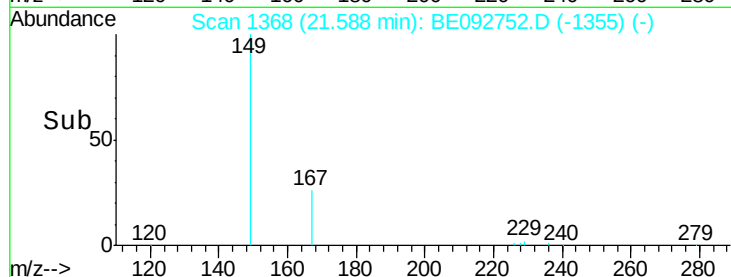
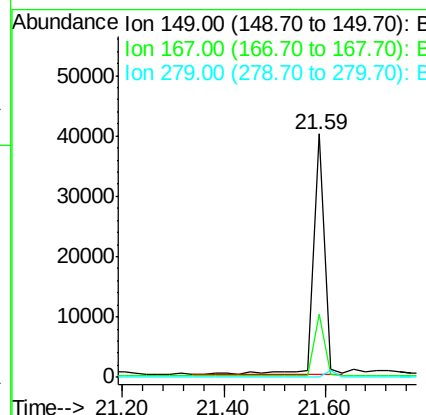
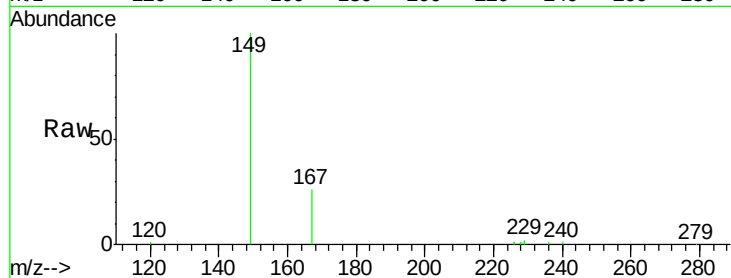
#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: 6.15 ng  
 RT: 21.59 min Scan# 1368  
 Delta R.T. 0.00 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS050SS218(0-6)-170216

Tgt Ion:149 Resp: 58826  
 Ion Ratio Lower Upper  
 149 100  
 167 24.6 16.0 24.0#  
 279 0.0 16.0 24.0#

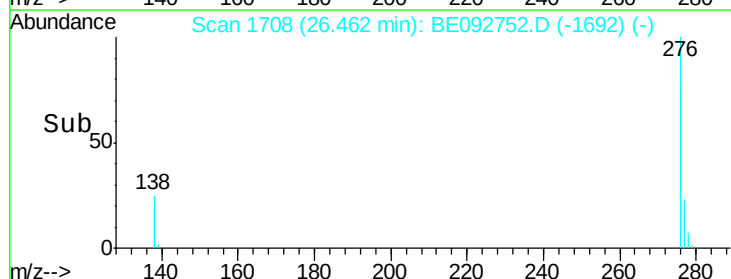
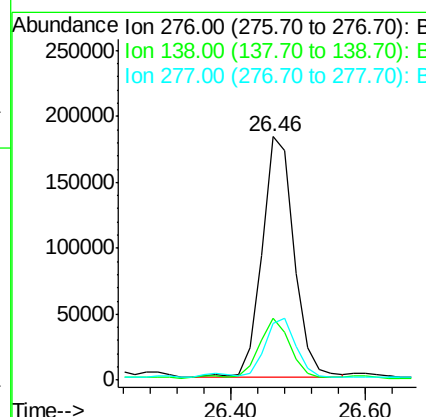
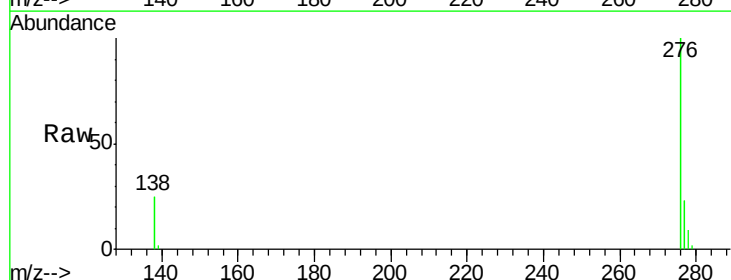
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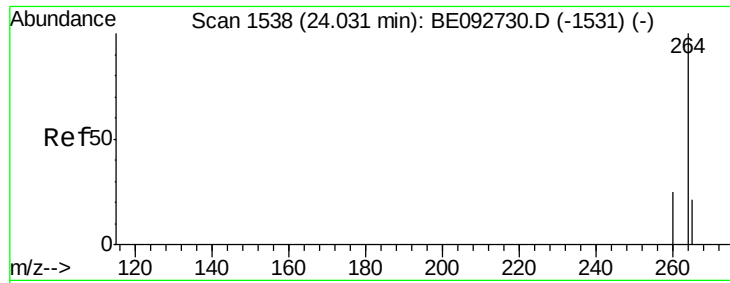
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#30  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.05 ng  
 RT: 26.46 min Scan# 1708  
 Delta R.T. -0.03 min  
 Lab File: BE092752.D  
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Tgt Ion:276 Resp: 600827  
 Ion Ratio Lower Upper  
 276 100  
 138 24.3 20.3 30.5  
 277 24.0 19.7 29.5





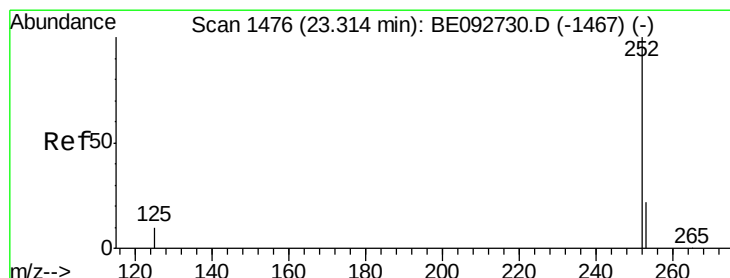
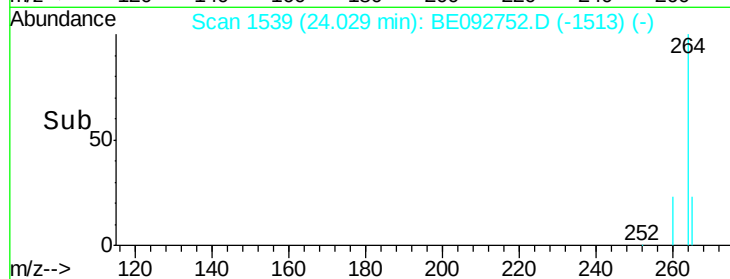
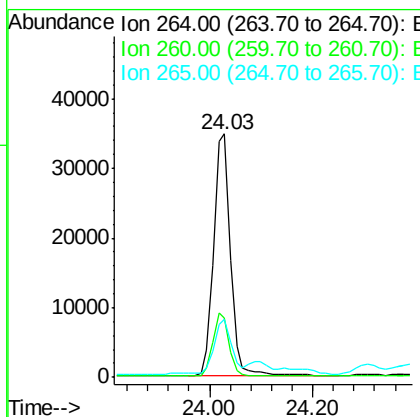
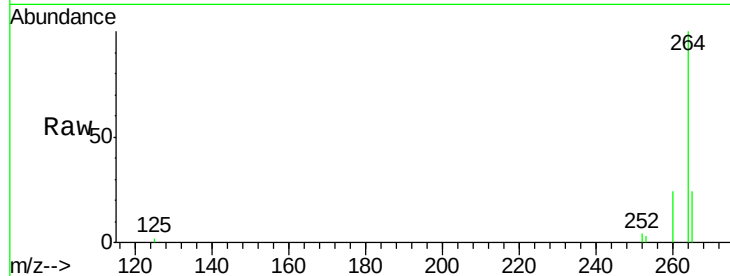
#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.03 min Scan# 1539  
 Delta R.T. -0.00 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SS050SS218(0-6)-170216

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 20.1  | 30.1  |
| 265     | 24.1  | 17.9  | 26.9  |

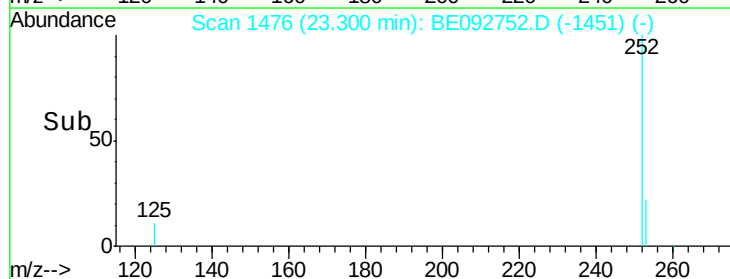
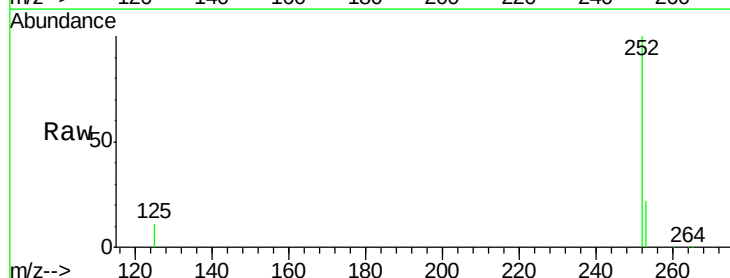
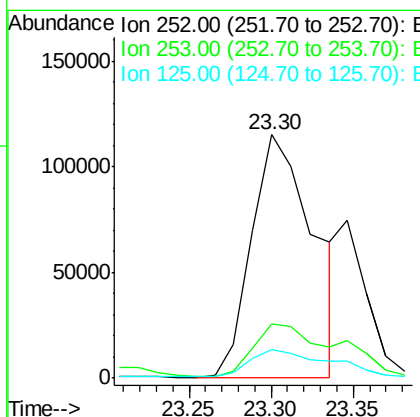
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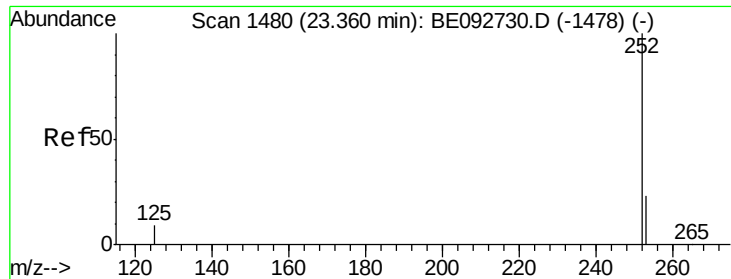
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#32  
 Benzo(b)fluoranthene  
 Concen: 14.44 ng m  
 RT: 23.30 min Scan# 1476  
 Delta R.T. -0.01 min  
 Lab File: BE092752.D  
 Acq: 20 Feb 2017 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.7  | 28.1  |
| 125     | 11.5  | 10.5  | 15.7  |





#33

Benzo(k)fluoranthene

Concen: 4.25 ng m

RT: 23.35 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BE092752.D

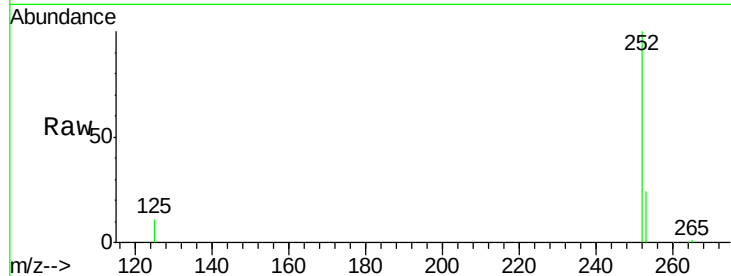
Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

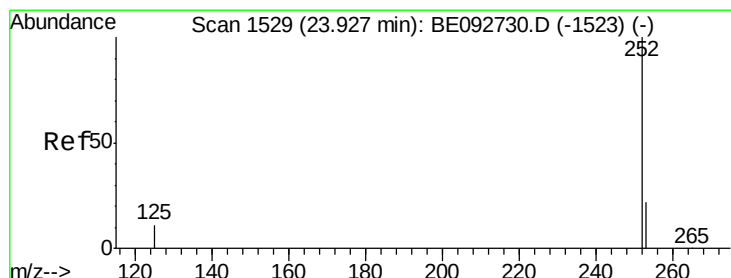
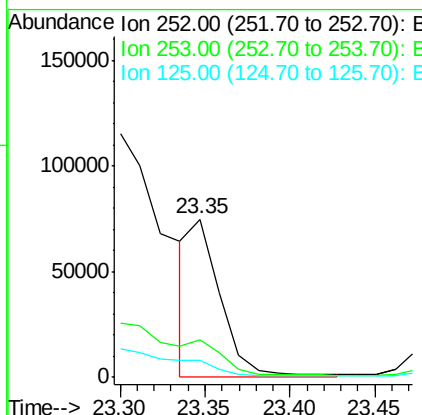
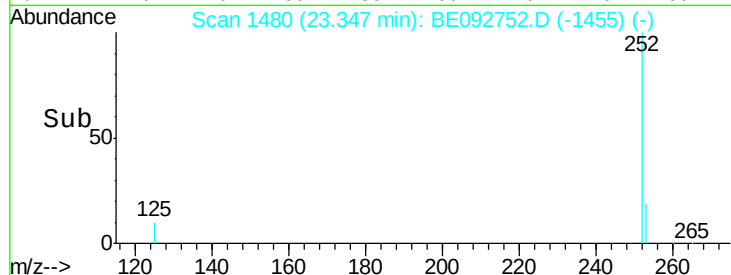
SS050SS218(0-6)-170216



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 93907 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.7  | 20.3  | 30.5  |
| 125       | 10.7  | 9.6   | 14.4  |

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#34

Benzo(a)pyrene

Concen: 9.39 ng

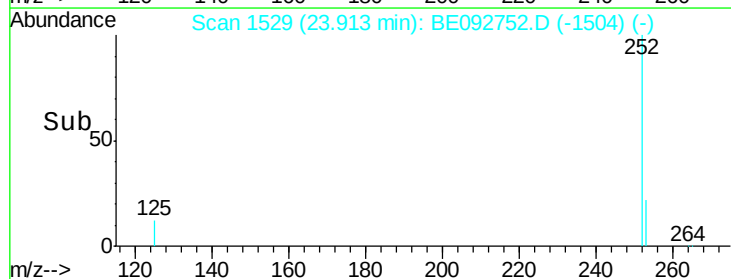
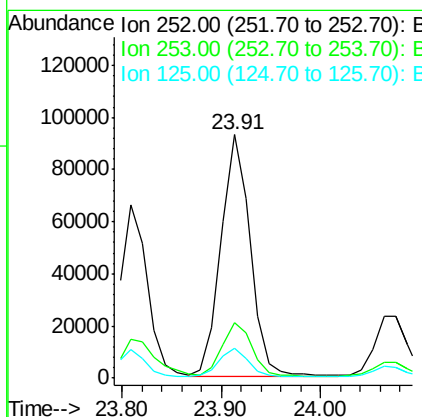
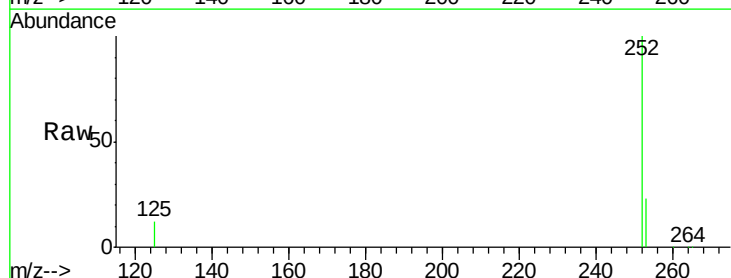
RT: 23.91 min Scan# 1529

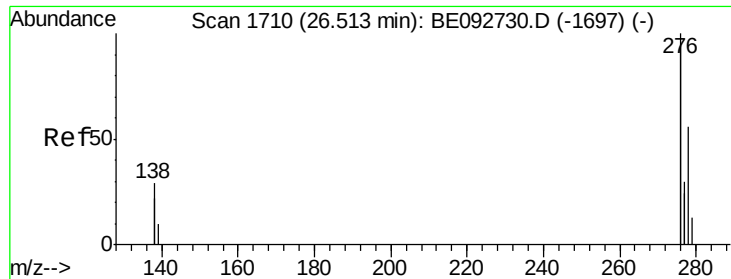
Delta R.T. -0.01 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 190796 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.0  | 19.0  | 28.6   |
| 125       | 12.2  | 11.8  | 17.8   |





#35

Dibenzo(a,h)anthracene

Concen: 2.28 ng

RT: 26.48 min Scan# 1709

Delta R.T. -0.03 min

Lab File: BE092752.D

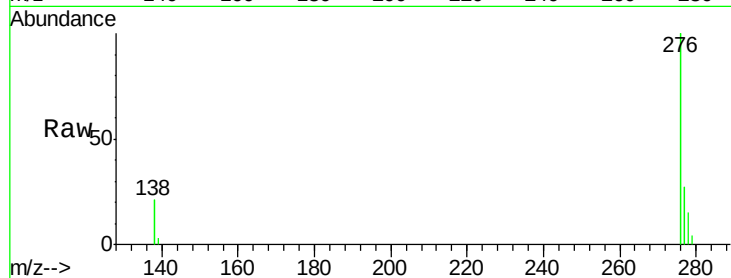
Acq: 20 Feb 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

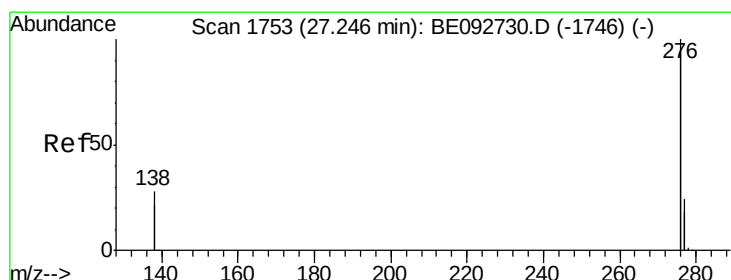
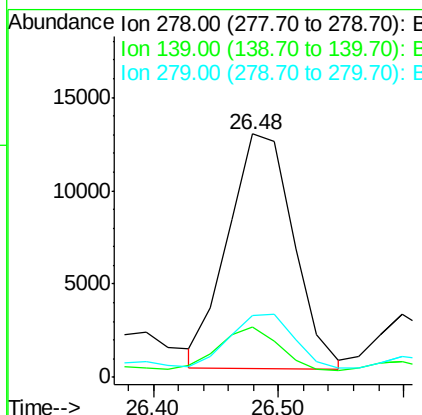
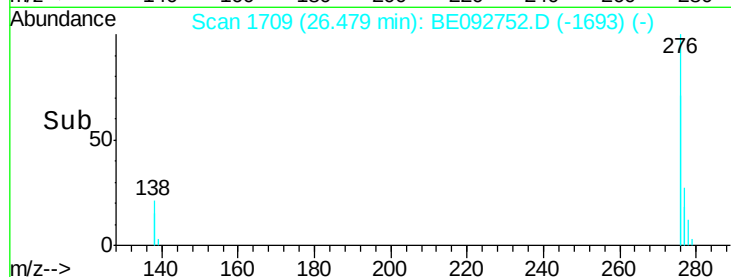
SS050SS218(0-6)-170216



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 45507 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 20.7  | 13.8  | 20.8  |
| 279       | 25.6  | 21.4  | 32.2  |

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#36

Benzo(g,h,i)perylene

Concen: 6.95 ng

RT: 27.23 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BE092752.D

Acq: 20 Feb 2017 17:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 575865 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.2  | 19.8  | 29.8   |
| 138       | 23.7  | 19.8  | 29.6   |

