

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061217\  
 Data File : BE093097.D  
 Acq On : 12 Jun 2017 10:22  
 Operator : SJ/MA  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
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mohammad  
 6/13/2017 3:55:30 PM

Quant Time: Jun 12 12:09:41 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 12 12:06:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 619      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.51 | 136  | 2881     | 0.40 | ng    | -0.02    |
| 13) Acenaphthene-d10      | 14.37 | 164  | 1369     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 2683     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 4249     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 3715     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.34  | 112 | 366  | 0.19 | ng | 0.00 |
| 5) Phenol-d6                | 6.90  | 99  | 509  | 0.20 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 451  | 0.18 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 868m | 0.21 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 58   | 0.14 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.99 | 172 | 1241 | 0.22 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 1907 | 0.27 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.72 | 244 | 1678 | 0.21 | ng | 0.00 |

|                                |       |     |       |       |        |       |
|--------------------------------|-------|-----|-------|-------|--------|-------|
| Target Compounds               |       |     |       |       | Qvalue |       |
| 2) 1,4-Dioxane                 | 3.29  | 88  | 287   | 0.229 | ng     | 95    |
| 3) n-Nitrosodimethylamine      | 3.59  | 42  | 229   | 0.204 | ng     | # 97  |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 456   | 0.219 | ng     | # 97  |
| 9) Naphthalene                 | 10.56 | 128 | 1551  | 0.204 | ng     | # 94  |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 223   | 0.224 | ng     | 95    |
| 12) 2-Methylnaphthalene        | 12.18 | 142 | 943   | 0.200 | ng     | 94    |
| 16) Acenaphthylene             | 14.08 | 152 | 4628  | 0.193 | ng     | 99    |
| 17) Acenaphthene               | 14.44 | 154 | 902   | 0.209 | ng     | 98    |
| 18) Fluorene                   | 15.41 | 166 | 1070  | 0.202 | ng     | 98    |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 318   | 0.381 | ng     | # 88  |
| 21) Hexachlorobenzene          | 16.44 | 284 | 324   | 0.296 | ng     | # 100 |
| 22) Pentachlorophenol          | 16.79 | 266 | 91    | 0.271 | ng     | 92    |
| 23) Phenanthrene               | 17.16 | 178 | 2586  | 0.445 | ng     | 98    |
| 24) Anthracene                 | 17.25 | 178 | 2077  | 0.380 | ng     | 100   |
| 26) Fluoranthene               | 19.16 | 202 | 9088  | 0.275 | ng     | # 99  |
| 28) Pyrene                     | 19.51 | 202 | 10388 | 0.203 | ng     | # 98  |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 2301  | 0.199 | ng     | # 85  |
| 31) Chrysene                   | 21.28 | 228 | 2610  | 0.211 | ng     | # 84  |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 1014  | 0.152 | ng     | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.17 | 276 | 9393  | 0.208 | ng     | 100   |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 2321  | 0.198 | ng     | 97    |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 2303  | 0.196 | ng     | 98    |
| 37) Benzo(a)pyrene             | 23.55 | 252 | 2013  | 0.187 | ng     | 96    |
| 38) Dibenzo(a,h)anthracene     | 26.20 | 278 | 2126  | 0.213 | ng     | 97    |
| 39) Benzo(g,h,i)perylene       | 26.93 | 276 | 8770  | 0.202 | ng     | 96    |

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

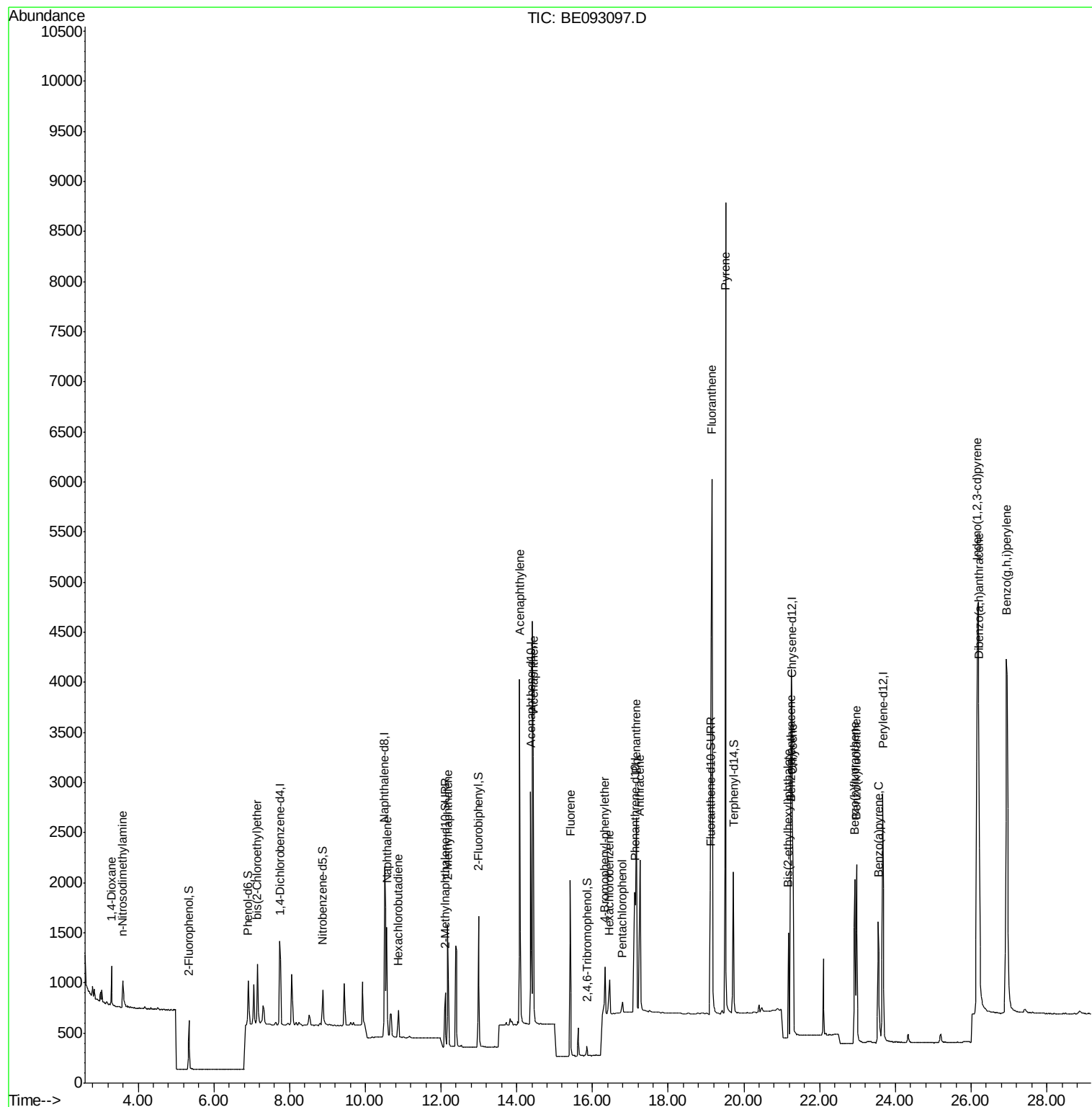
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061217\  
Data File : BE093097.D  
Acq On : 12 Jun 2017 10:22  
Operator : SJ/MA  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

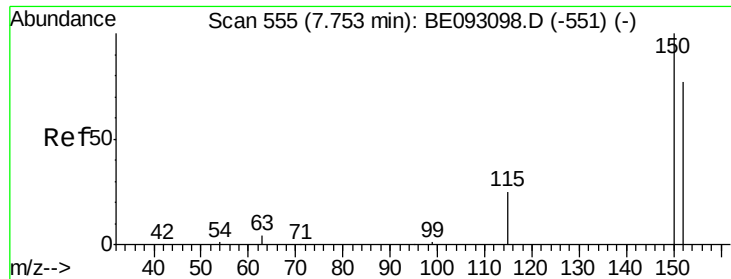
Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC0.2

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Quant Time: Jun 12 12:09:41 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 12 12:06:04 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE093097.D

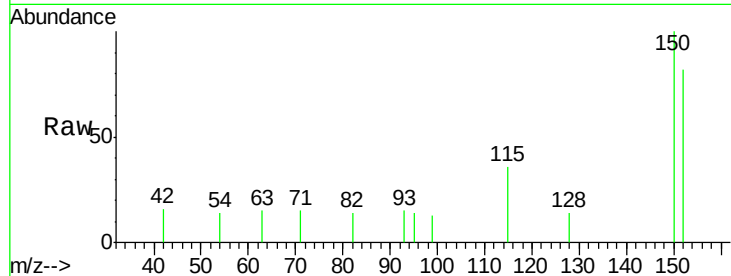
Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2



Tgt Ion: 152 Resp: 619

Ion Ratio Lower Upper

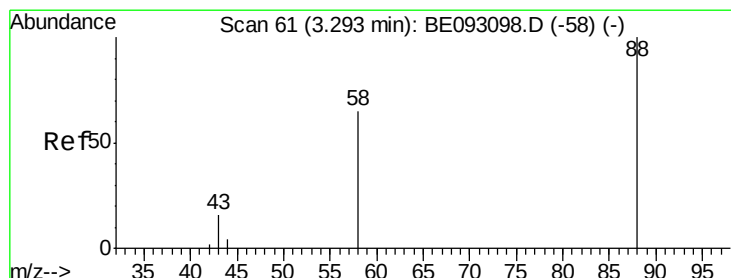
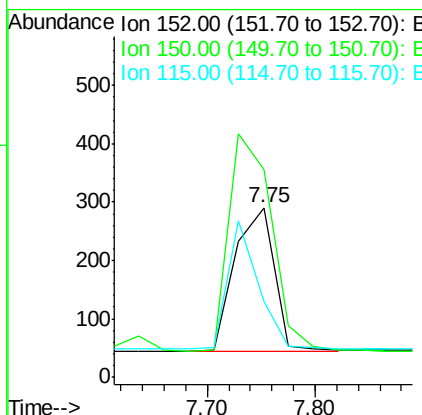
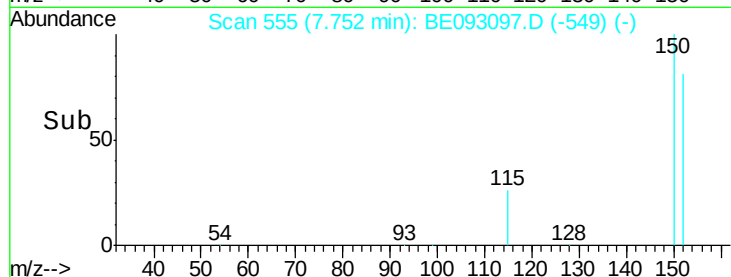
152 100

150 122.4 125.1 187.7#

115 44.5 55.7 83.5#

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#2

1,4-Dioxane

Concen: 0.229 ng

RT: 3.29 min Scan# 61

Delta R.T. -0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

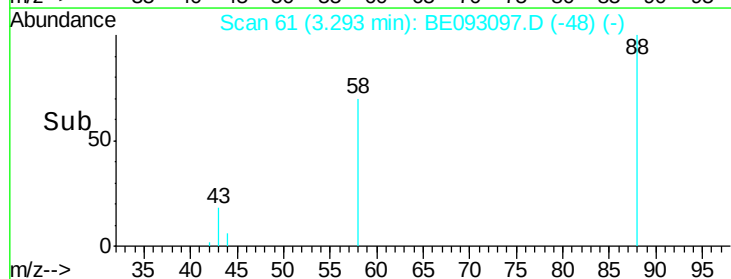
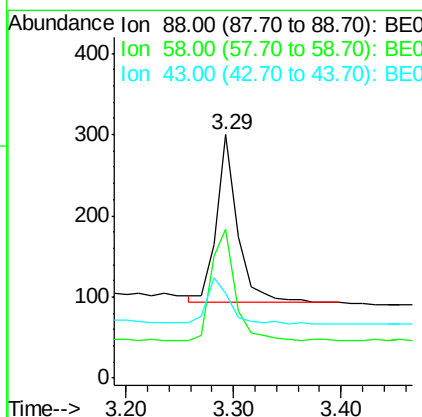
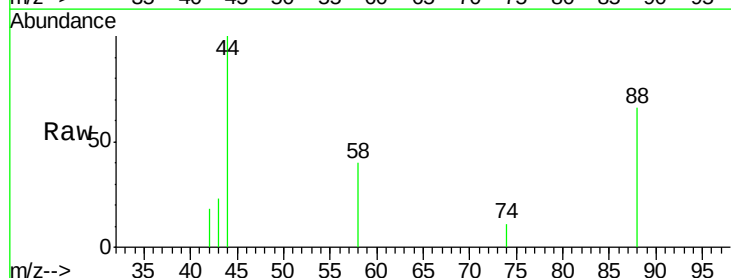
Tgt Ion: 88 Resp: 287

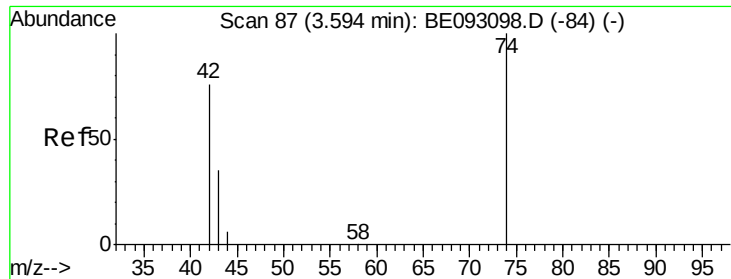
Ion Ratio Lower Upper

88 100

58 72.1 62.2 93.4

43 28.9 23.2 34.8





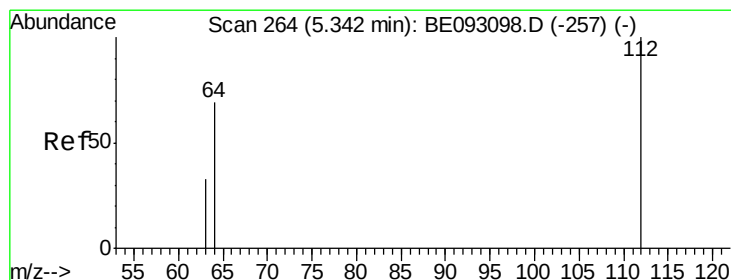
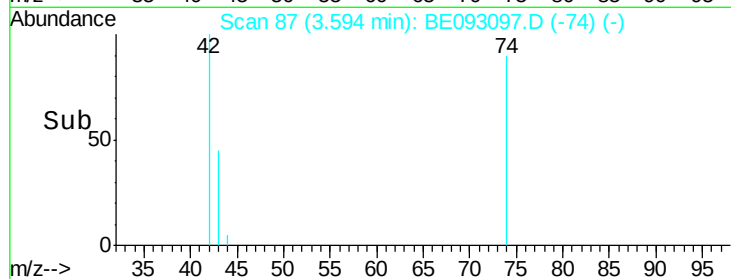
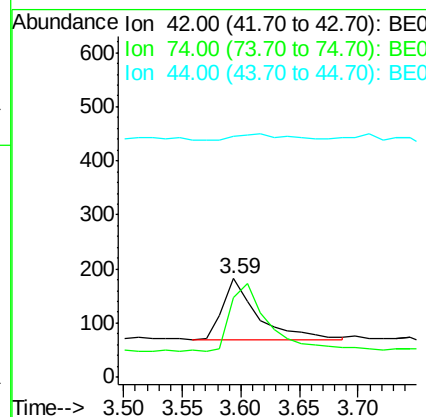
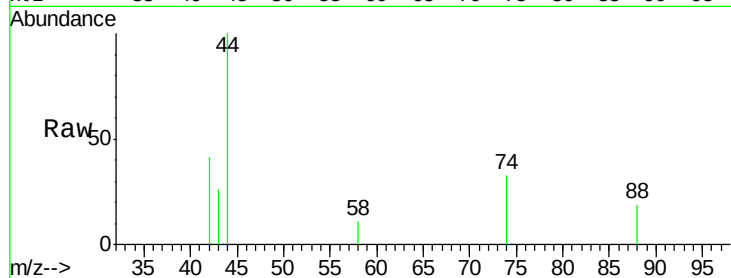
#3  
n-Nitrosodimethylamine  
Concen: 0.204 ng  
RT: 3.59 min Scan# 87  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 125.3 | 99.1  | 148.7 |
| 44      | 0.0   | 7.4   | 11.2# |

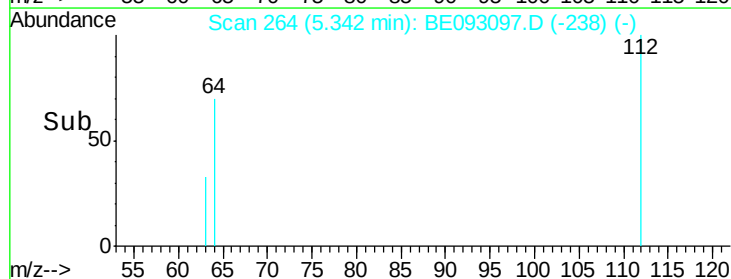
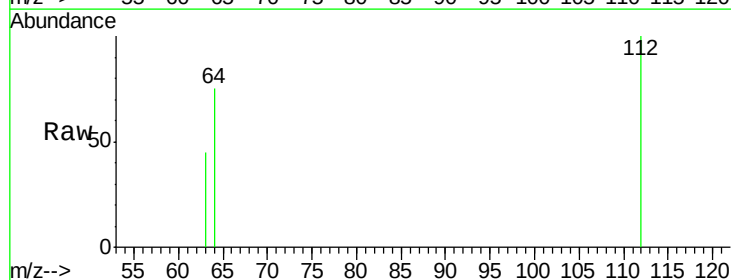
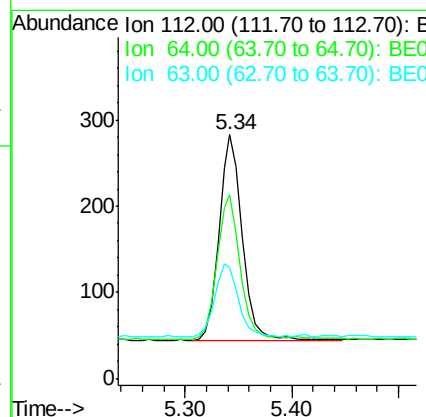
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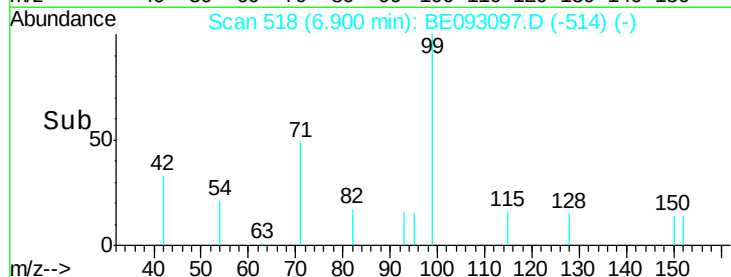
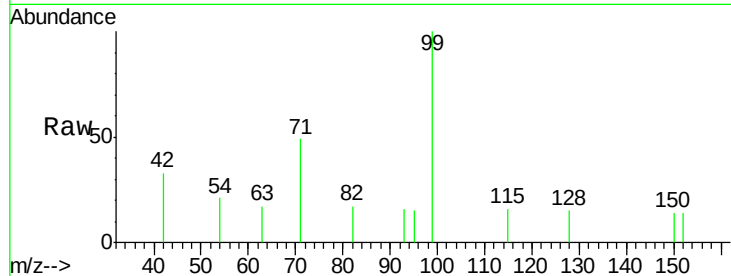
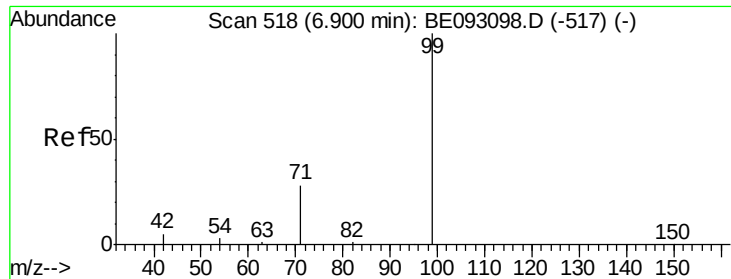
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#4  
2-Fluorophenol  
Concen: 0.193 ng  
RT: 5.34 min Scan# 264  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.9  | 56.4  | 84.6  |
| 63      | 34.7  | 29.3  | 43.9  |





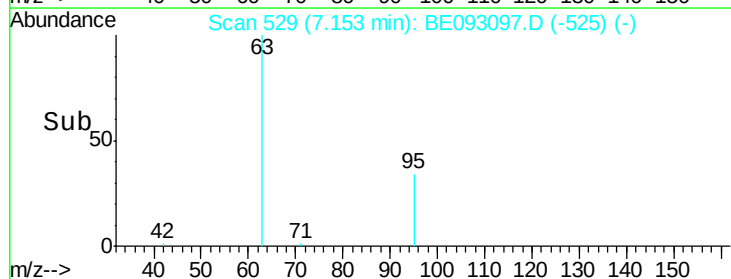
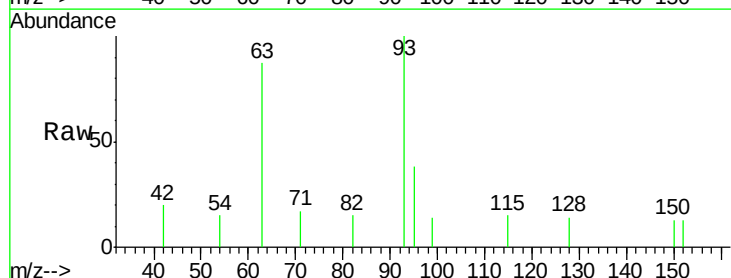
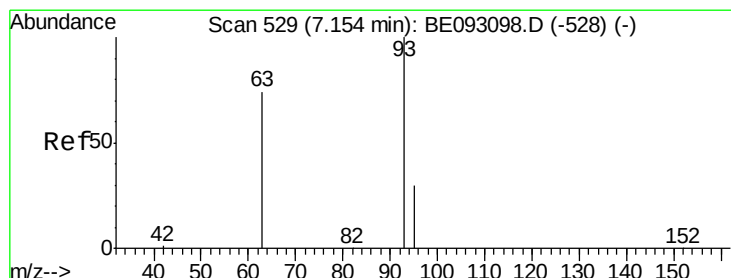
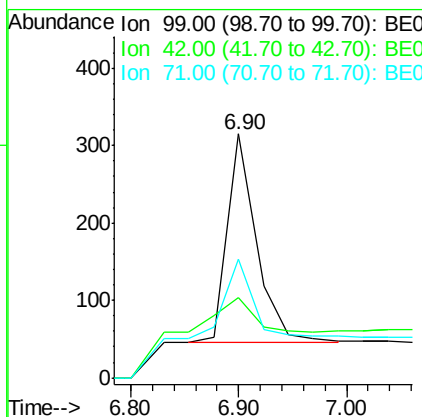
#5  
Phenol-d6  
Concen: 0.199 ng  
RT: 6.90 min Scan# 518  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 99      | 100   | 509  |       |       |
| 42      | 20.6  |      | 0.0   | 0.0#  |
| 71      | 38.3  |      | 0.0   | 0.0#  |

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

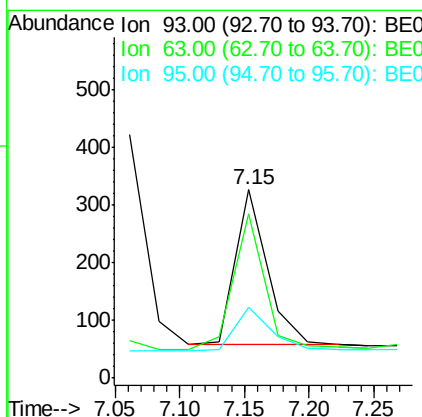
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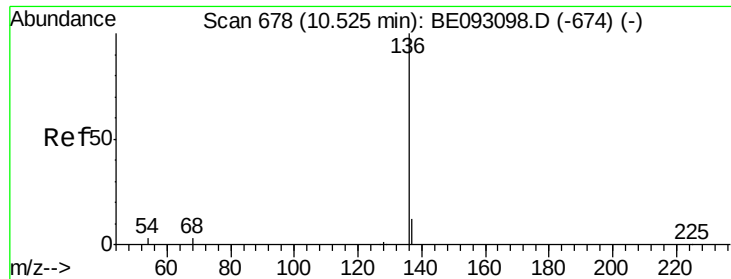
mohammad  
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#6  
bis(2-Chloroethyl)ether  
Concen: 0.219 ng  
RT: 7.15 min Scan# 529  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   | 456  |       |       |
| 63      | 89.5  |      | 0.0   | 0.0#  |
| 95      | 33.1  |      | 25.4  | 38.0  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

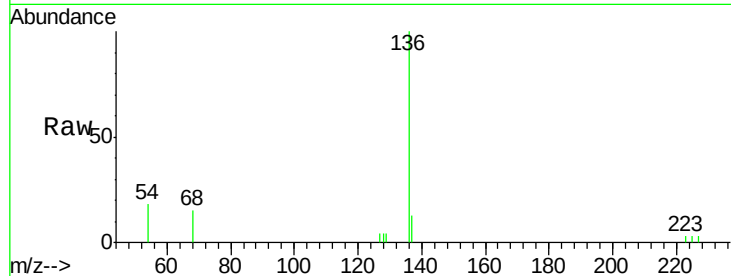
ClientSampled :

SSTDICC0.2

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   | 2881 |       |       |
| 137     | 12.7  |      | 9.8   | 14.8  |
| 54      | 17.9  |      | 10.3  | 15.5# |
| 68      | 14.7  |      | 9.0   | 13.4# |

Manual Integrations  
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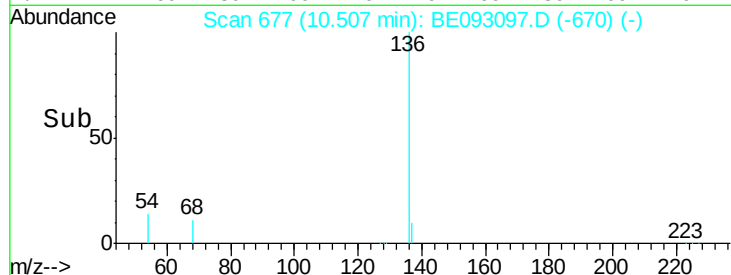
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

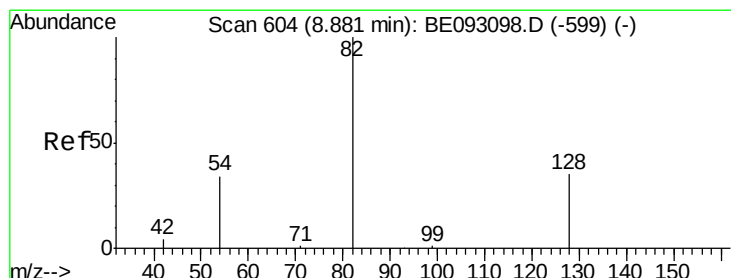
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.179 ng

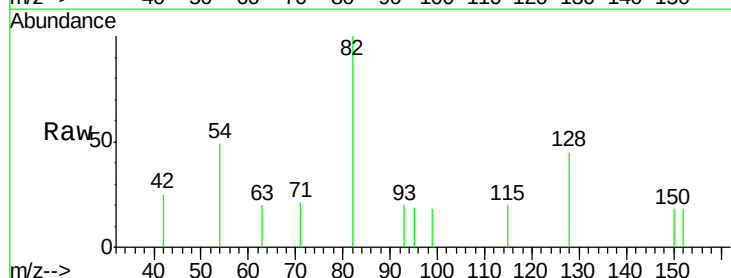
RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 451  |       |       |
| 128     | 44.6  |      | 17.0  | 25.4# |
| 54      | 49.0  |      | 53.8  | 80.6# |

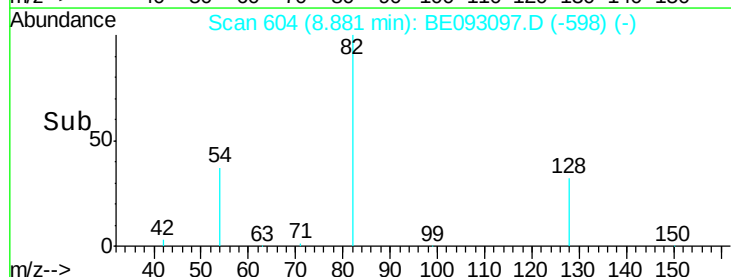


Abundance Ion 82.00 (81.70 to 82.70): BE0

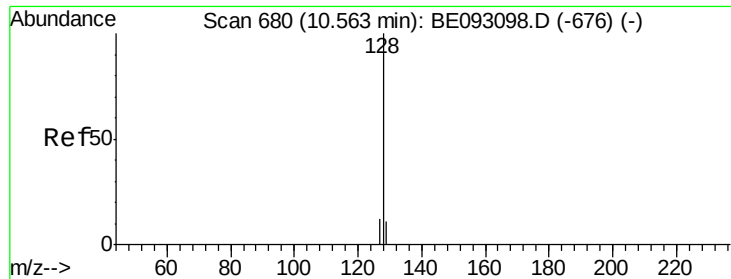
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.204 ng

RT: 10.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

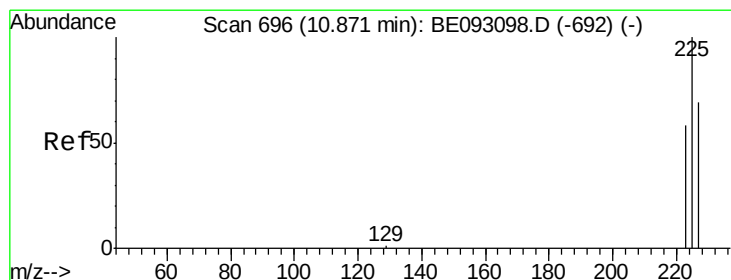
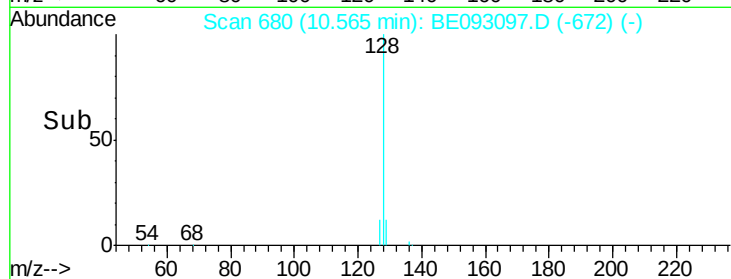
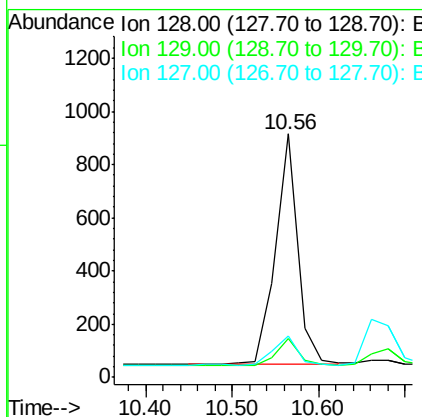
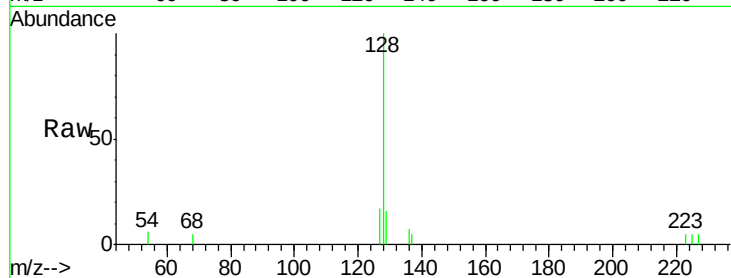
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1551  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 15.9  | 11.4  | 17.0  |
| 127      | 16.8  | 11.2  | 16.8# |

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#10

Hexachlorobutadiene

Concen: 0.224 ng

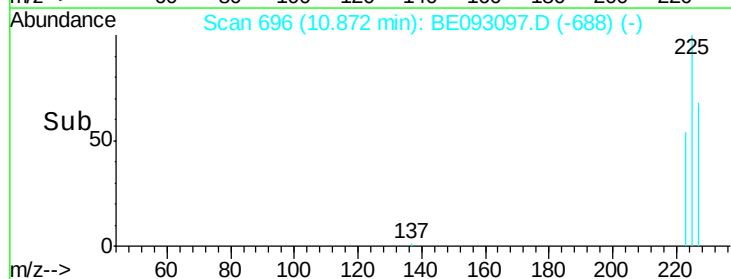
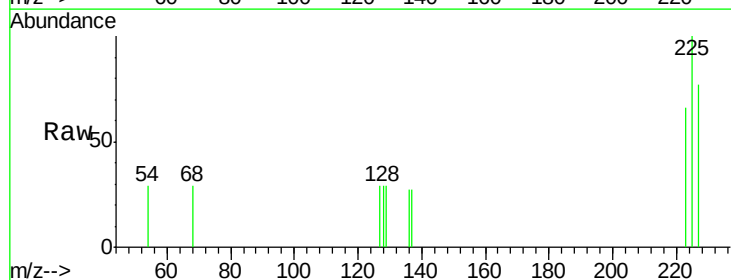
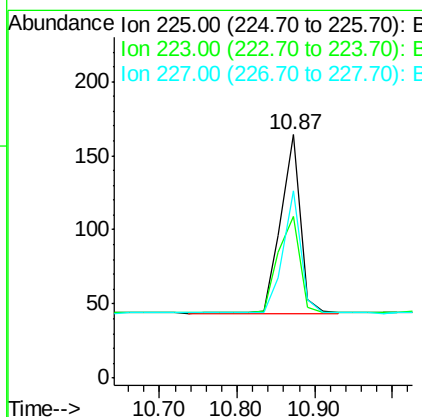
RT: 10.87 min Scan# 696

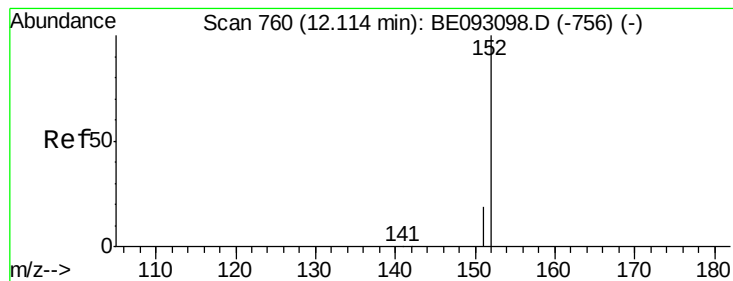
Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 223   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 57.4  | 49.7  | 74.5  |
| 227      | 59.6  | 50.3  | 75.5  |





#11

2-Methylnaphthalene-d10

Concen: 0.206 ng m

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

Tgt Ion:152 Resp: 868

Ion Ratio Lower Upper

152 100

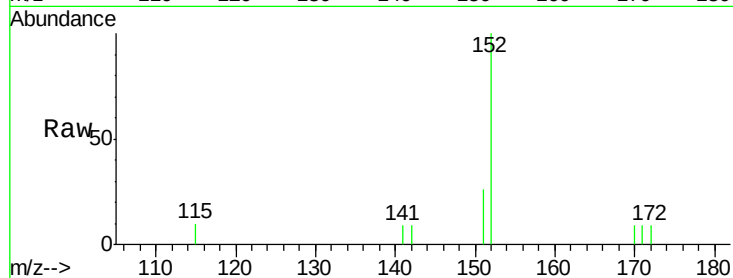
151 80.9 15.1 22.7#

Manual Integrations

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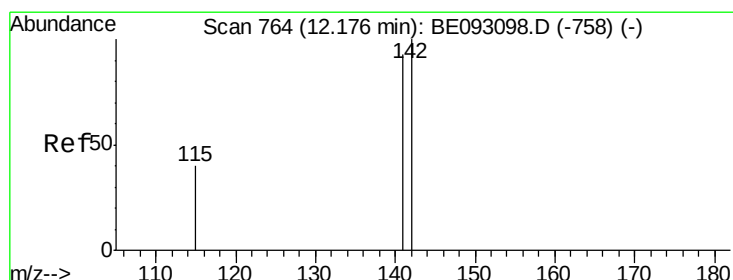
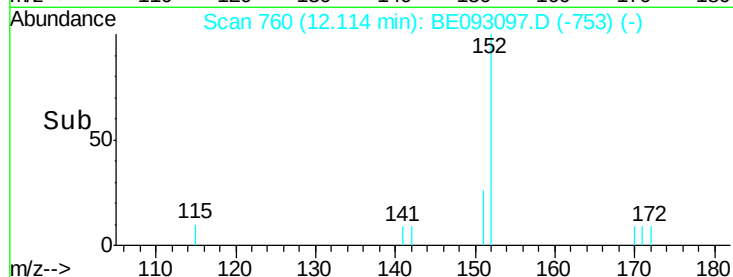
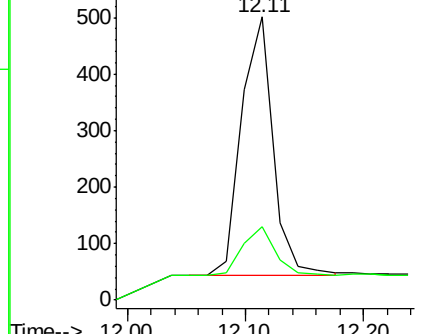
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.200 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

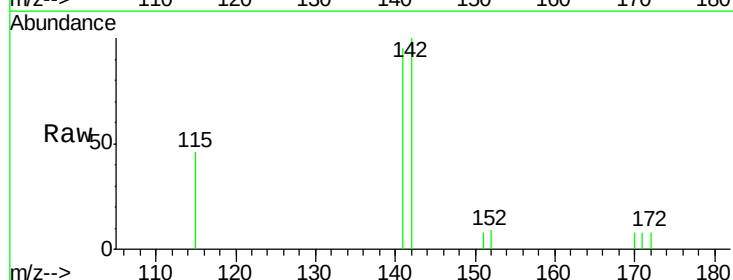
Tgt Ion:142 Resp: 943

Ion Ratio Lower Upper

142 100

141 94.8 72.6 108.8

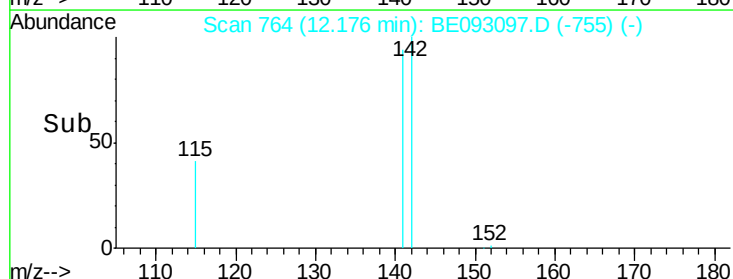
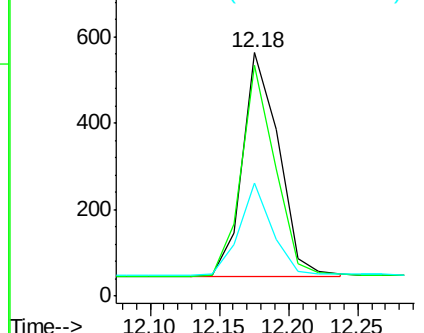
115 46.2 32.2 48.2



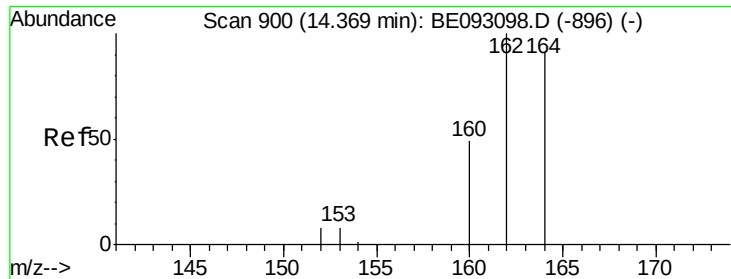
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E







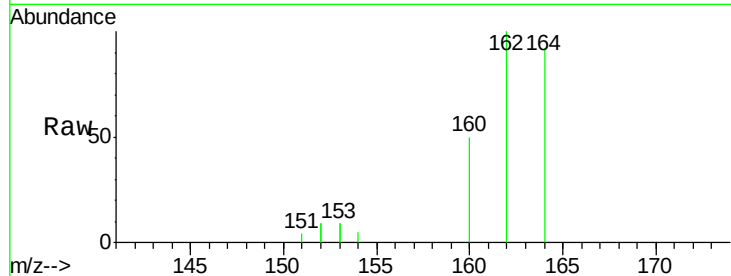
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.37 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.2

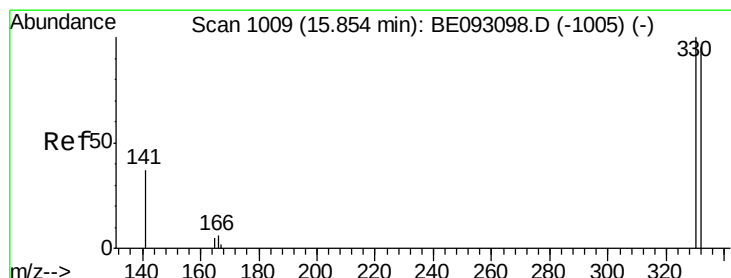
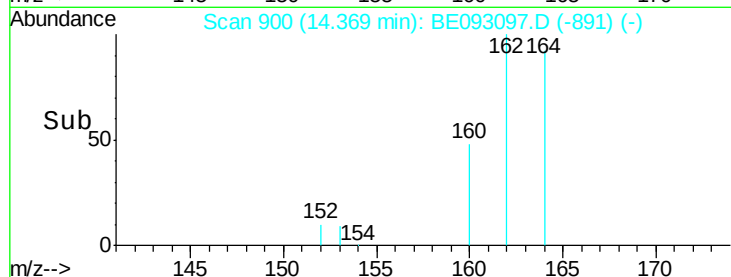
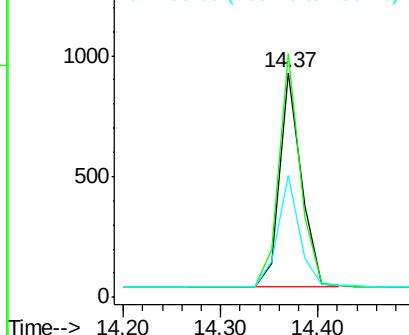
Tgt Ion:164 Resp: 1369  
Ion Ratio Lower Upper  
164 100  
162 108.4 84.6 127.0  
160 54.5 41.8 62.6

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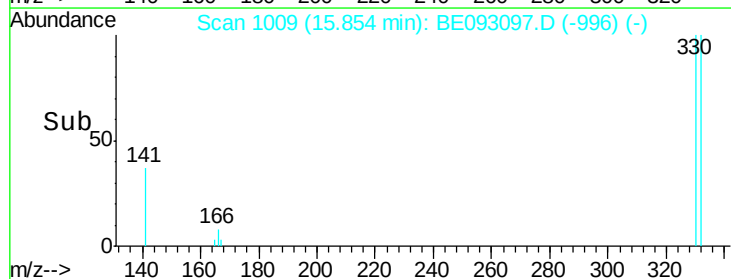
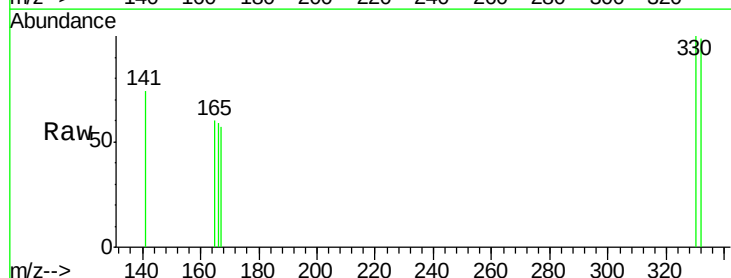
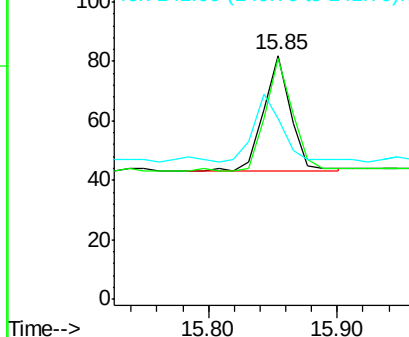
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

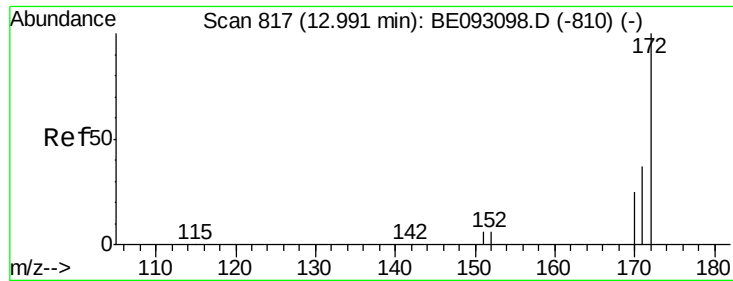


#14  
2,4,6-Tribromophenol  
Concen: 0.143 ng  
RT: 15.85 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Tgt Ion:330 Resp: 58  
Ion Ratio Lower Upper  
330 100  
332 98.3 77.7 116.5  
141 65.5 56.2 84.4

Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





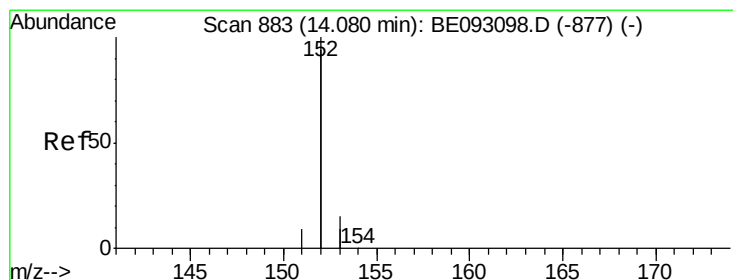
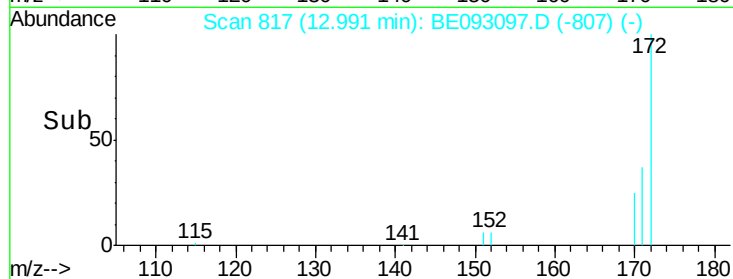
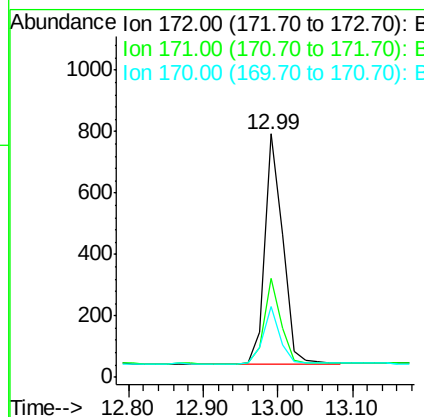
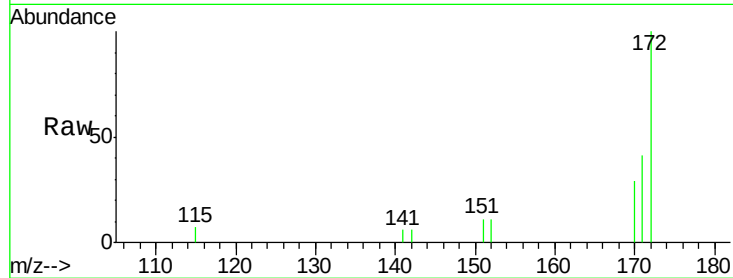
#15  
2-Fluorobiphenyl  
Concen: 0.220 ng  
RT: 12.99 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.6  | 29.8  | 44.6  |
| 170     | 29.3  | 20.7  | 31.1  |

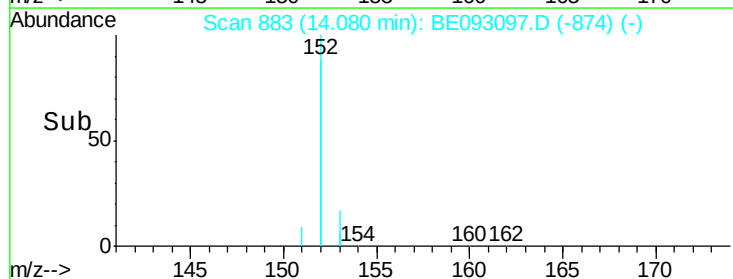
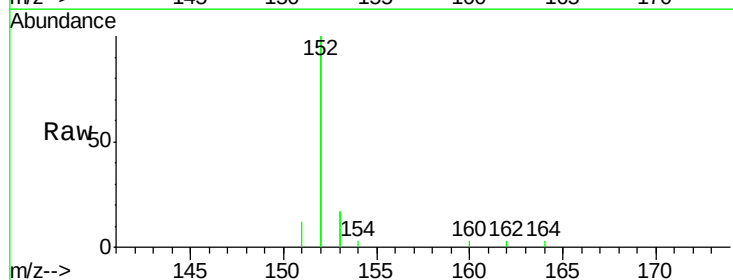
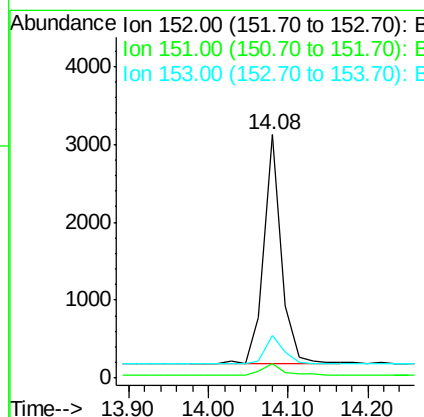
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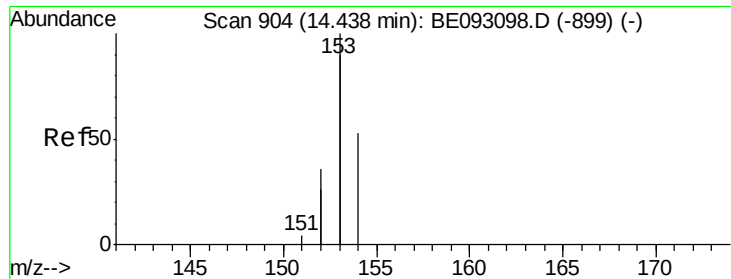
mohammad  
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#16  
Acenaphthylene  
Concen: 0.193 ng  
RT: 14.08 min Scan# 883  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 4.7   | 4.0   | 6.0   |
| 153     | 13.2  | 10.3  | 15.5  |





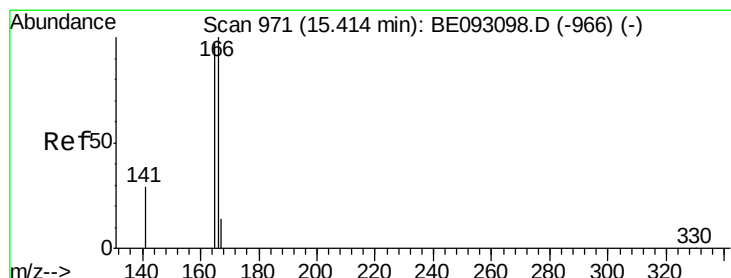
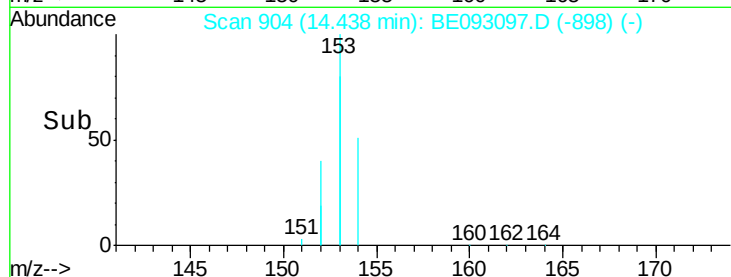
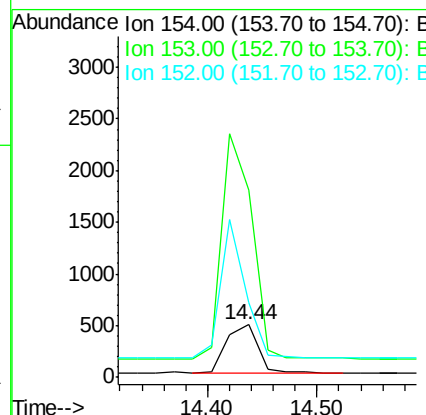
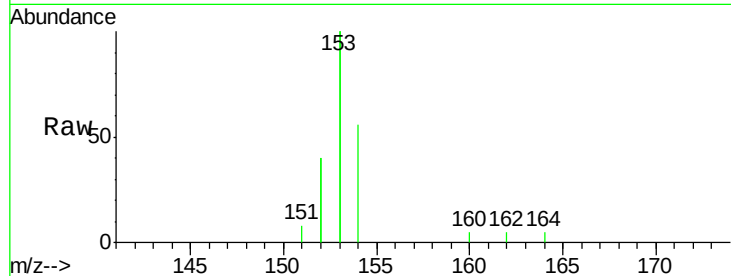
#17  
Acenaphthene  
Concen: 0.209 ng  
RT: 14.44 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 454.5 | 367.8 | 551.6 |
| 152     | 231.6 | 188.2 | 282.2 |

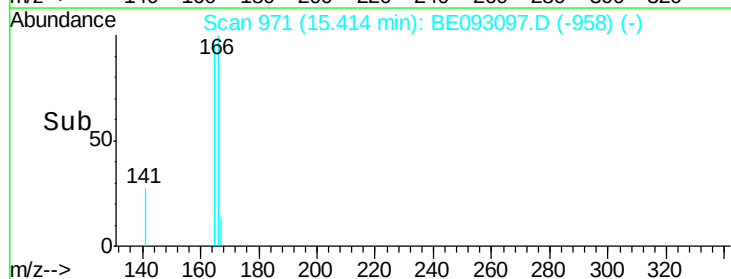
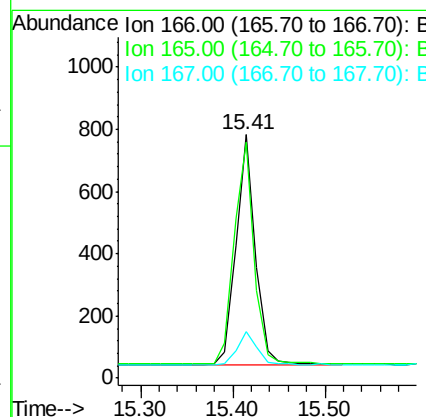
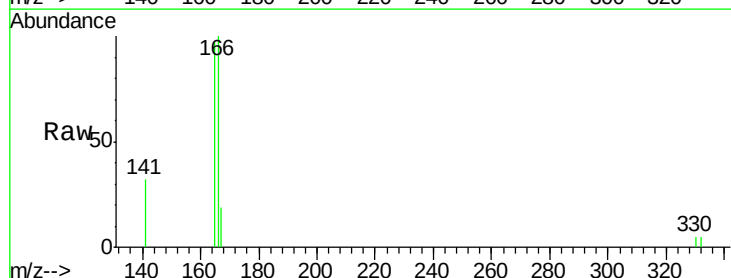
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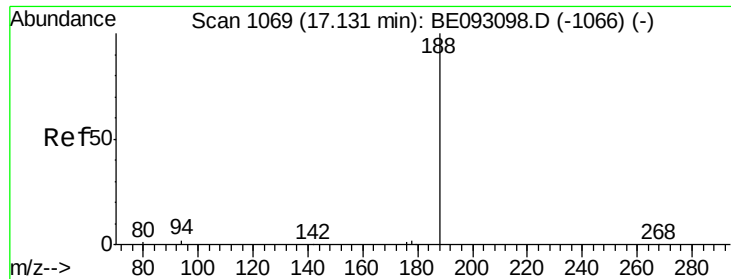
mohammad  
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#18  
Fluorene  
Concen: 0.202 ng  
RT: 15.41 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.3 | 78.6  | 117.8 |
| 167     | 14.0  | 11.1  | 16.7  |





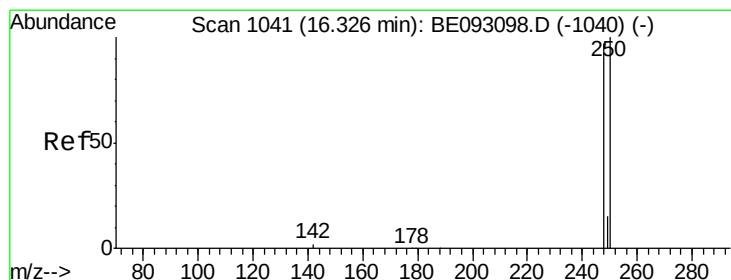
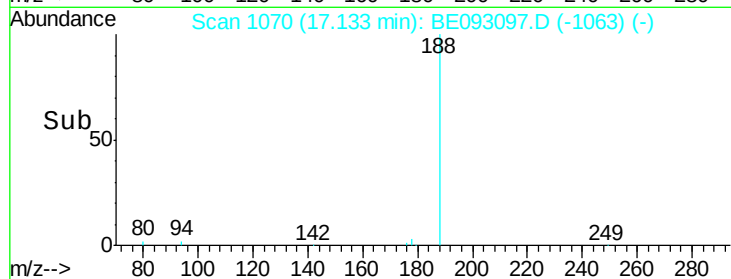
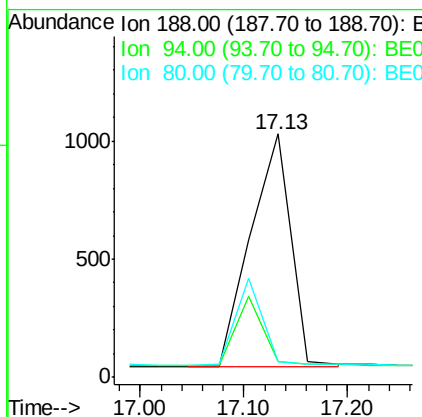
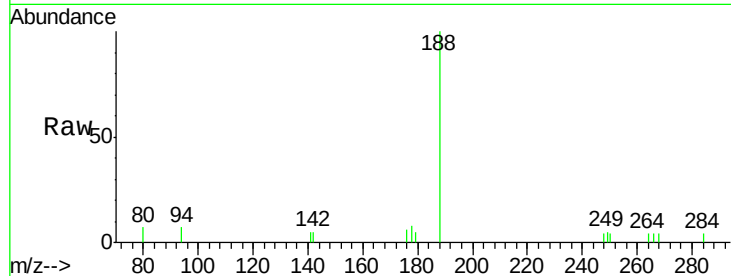
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.13 min Scan# 1070  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC0.2

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 6.6   | 11.3       | 16.9#      |
| 80      | 6.6   | 11.7       | 17.5#      |

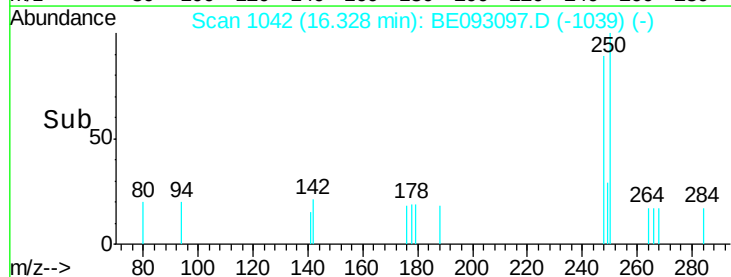
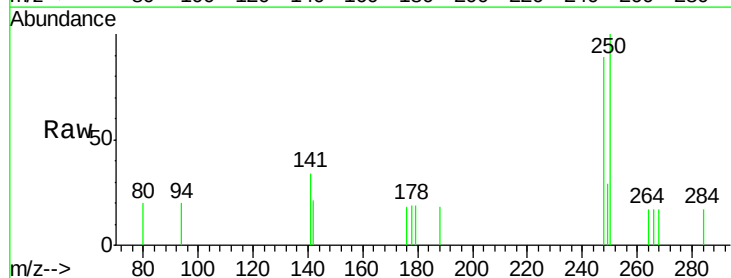
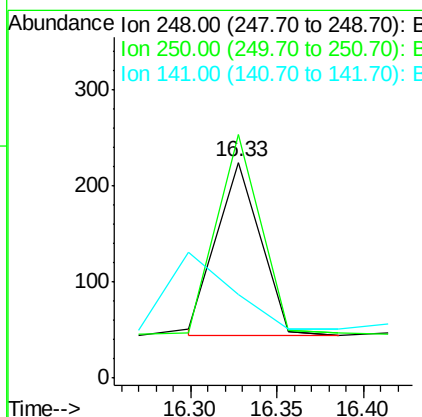
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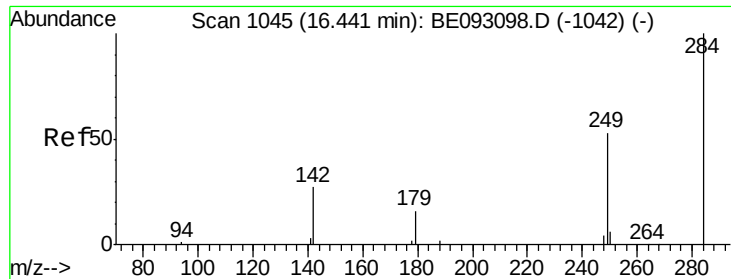
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#20  
4-Bromophenyl-phenylether  
Concen: 0.381 ng  
RT: 16.33 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 248     | 100   |            |            |
| 250     | 112.9 | 100.0      | 150.0      |
| 141     | 38.8  | 40.0       | 60.0#      |





#21

Hexachlorobenzene

Concen: 0.296 ng

RT: 16.44 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

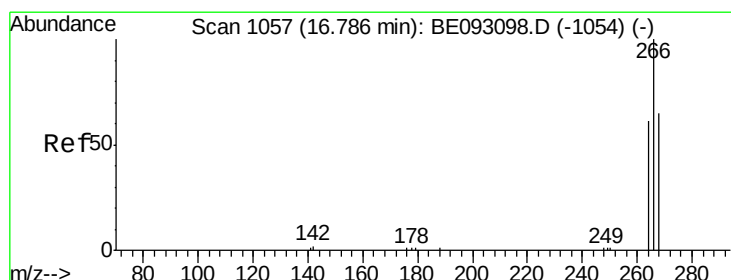
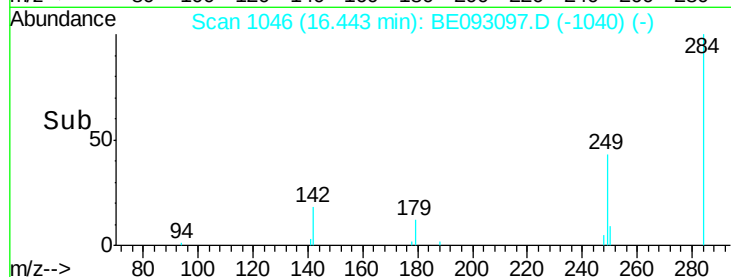
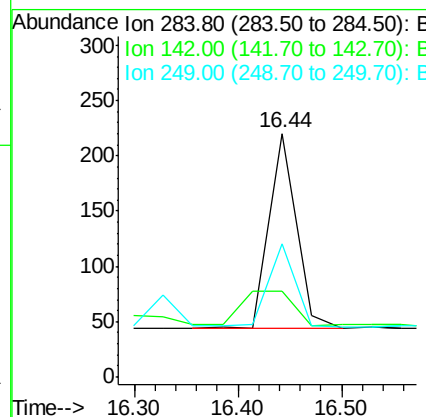
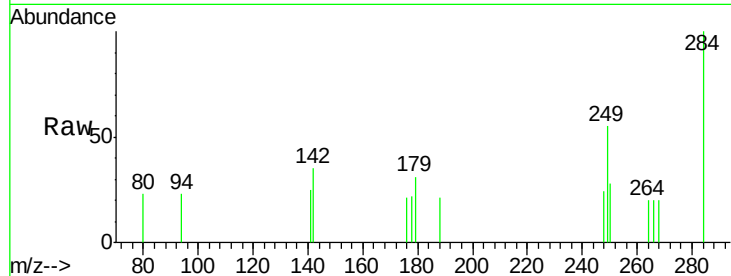
ClientSampleId :

SSTDICC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 324  |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 42.0  | 0.0   | 0.0# |

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#22

Pentachlorophenol

Concen: 0.271 ng

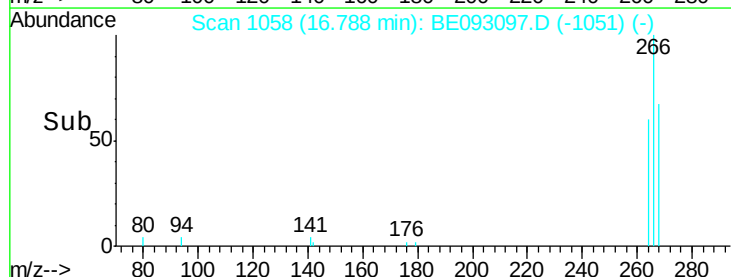
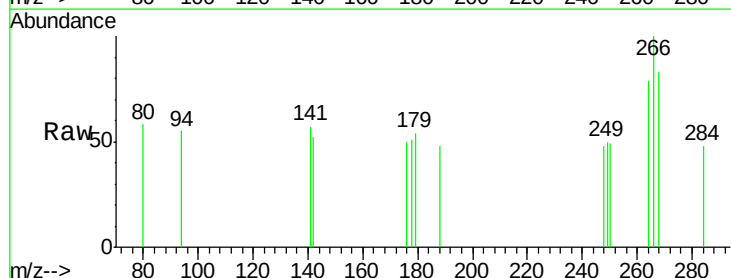
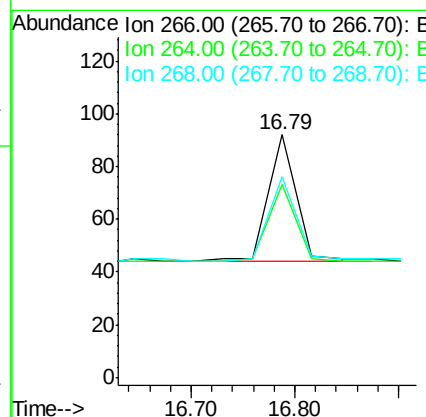
RT: 16.79 min Scan# 1058

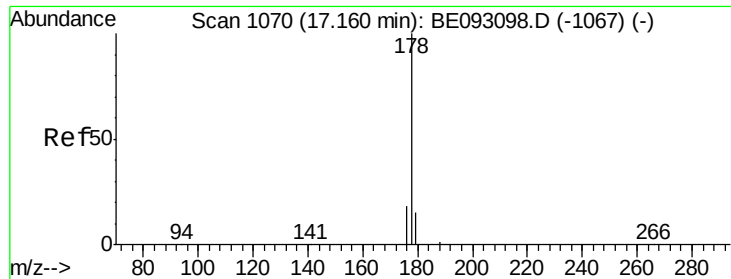
Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 91    |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 79.3  | 58.2  | 87.2  |
| 268       | 82.6  | 71.9  | 107.9 |





#23

Phenanthrene

Concen: 0.445 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

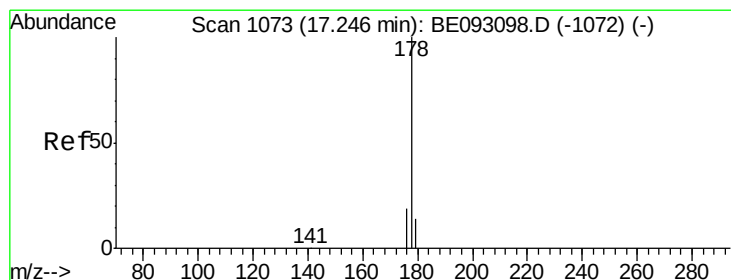
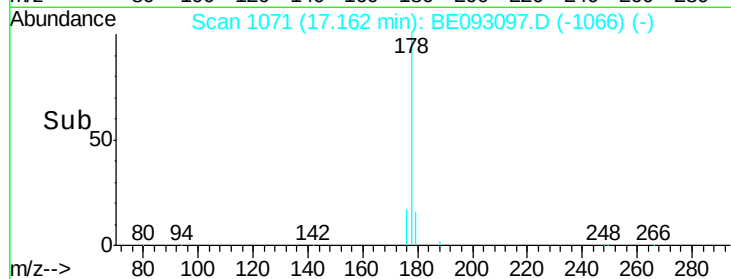
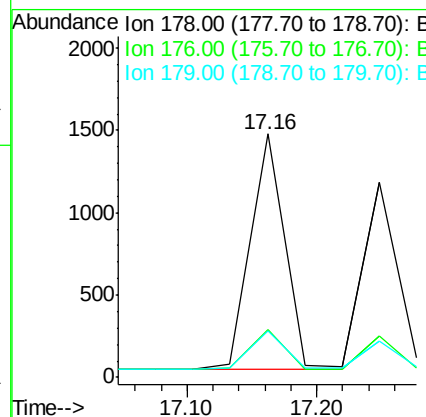
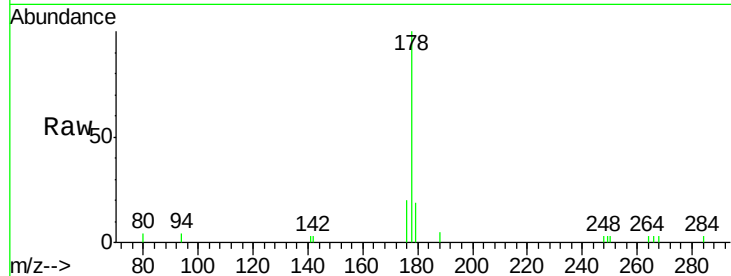
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 2586 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 17.7  | 15.0  | 22.4 |
| 179       | 16.2  | 12.7  | 19.1 |

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#24

Anthracene

Concen: 0.380 ng

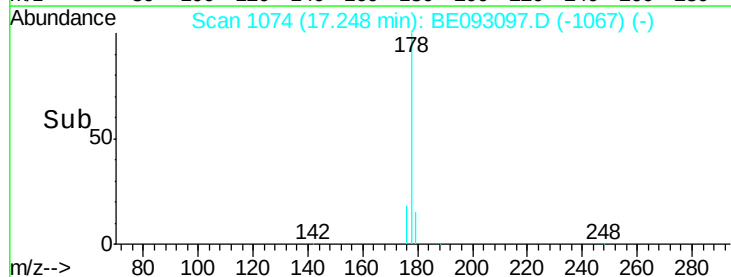
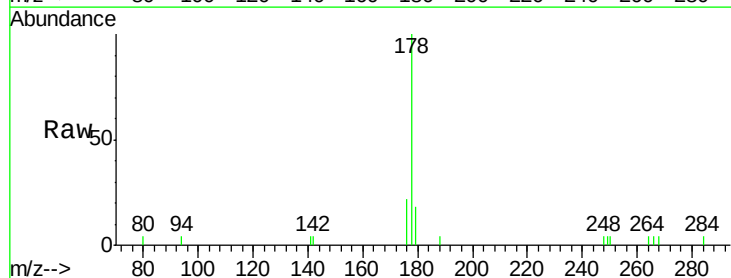
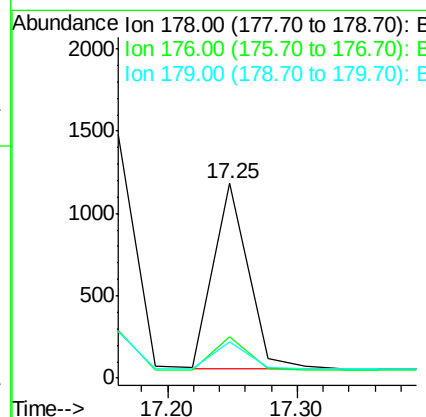
RT: 17.25 min Scan# 1074

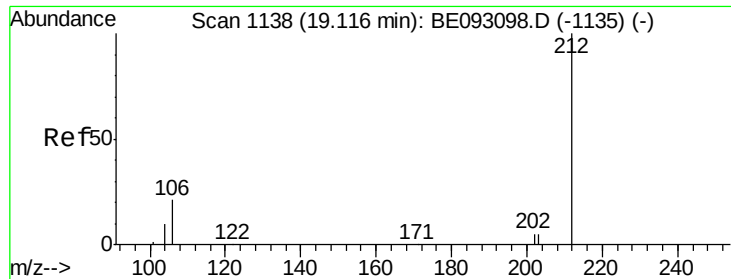
Delta R.T. 0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 2077 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.2  | 14.6  | 22.0 |
| 179       | 14.8  | 12.0  | 18.0 |





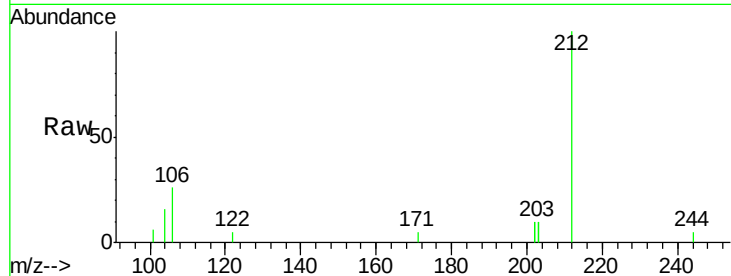
#25  
 Fluoranthene-d10  
 Concen: 0.271 ng  
 RT: 19.12 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

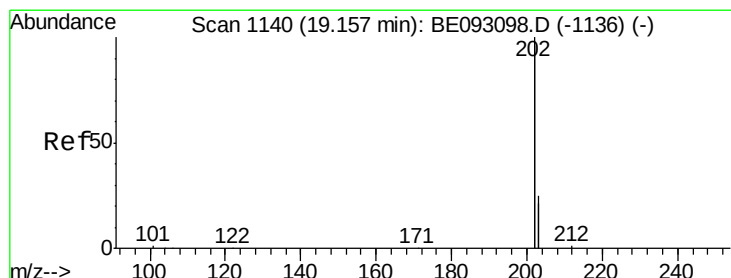
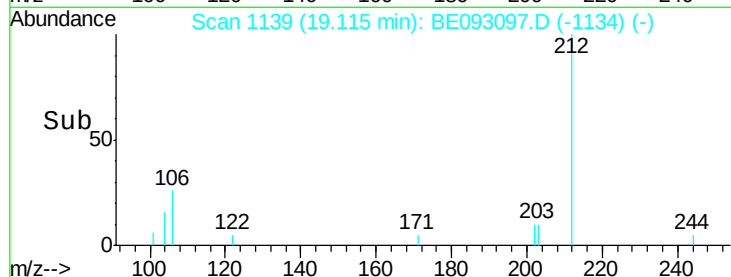
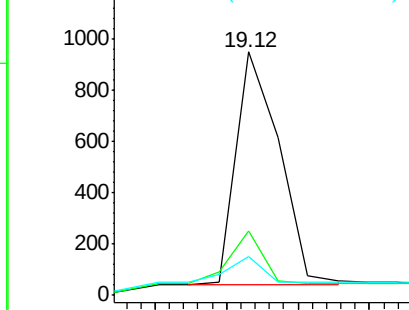
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 212     | 100   | 1907 |       |       |
| 106     | 16.9  | 0.0  | 0.0   | 0.0   |
| 104     | 9.1   | 0.0  | 0.0   | 0.0   |

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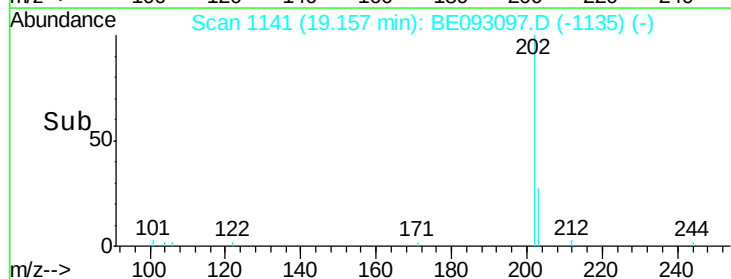
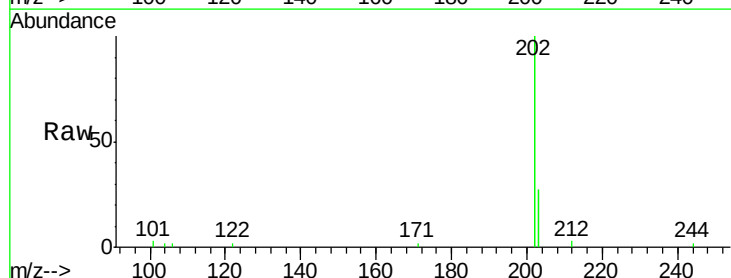
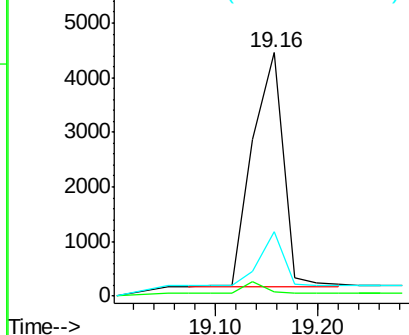
Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

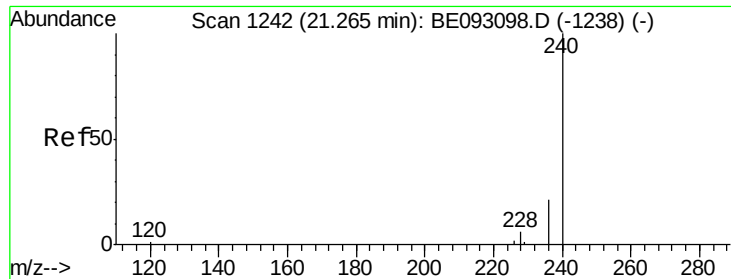


#26  
 Fluoranthene  
 Concen: 0.275 ng  
 RT: 19.16 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   | 9088 |       |       |
| 101     | 0.0   | 0.0  | 0.0   | 0.0   |
| 203     | 18.5  | 14.4 | 21.6  |       |

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





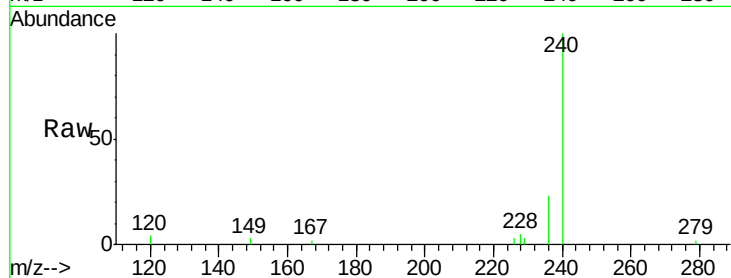
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.27 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

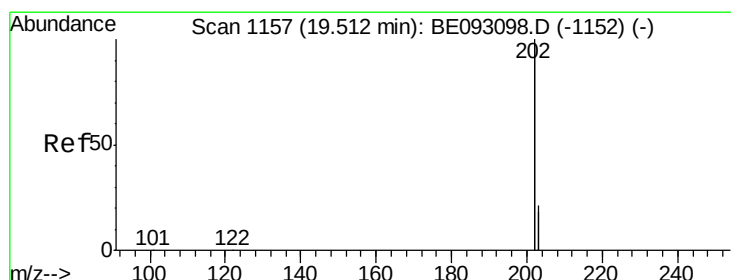
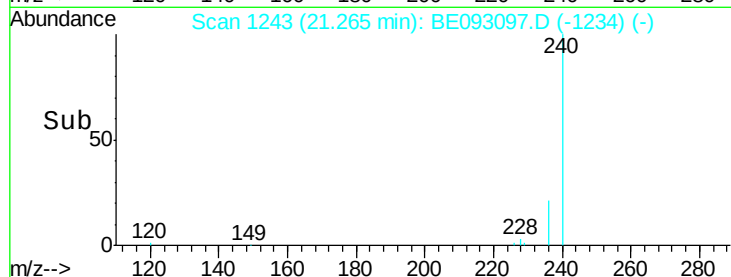
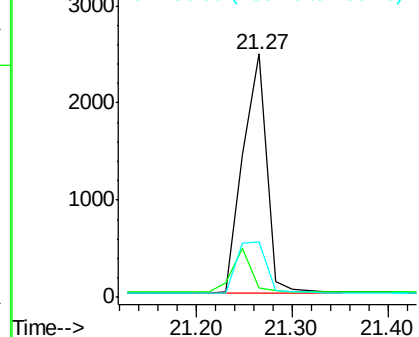
Tgt Ion:240 Resp: 4249  
Ion Ratio Lower Upper  
240 100  
120 3.6 4.6 7.0#  
236 22.7 20.8 31.2

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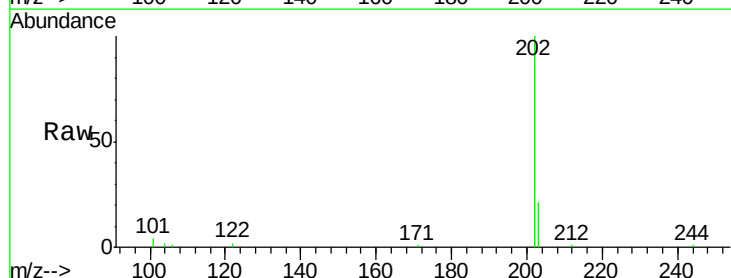


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

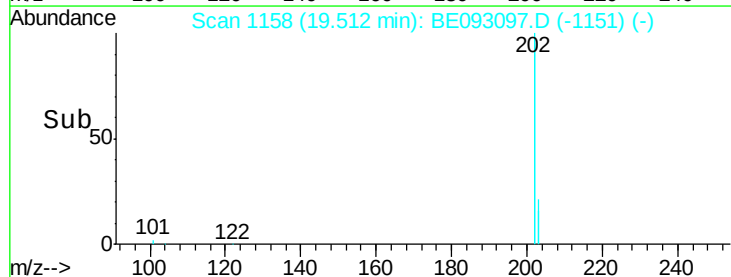
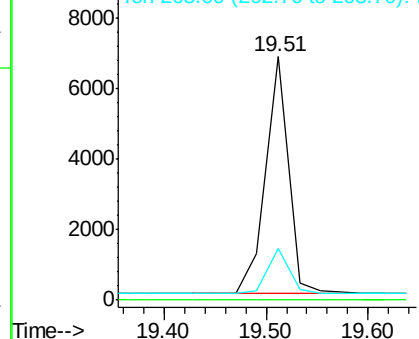


#28  
Pyrene  
Concen: 0.203 ng  
RT: 19.51 min Scan# 1158  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

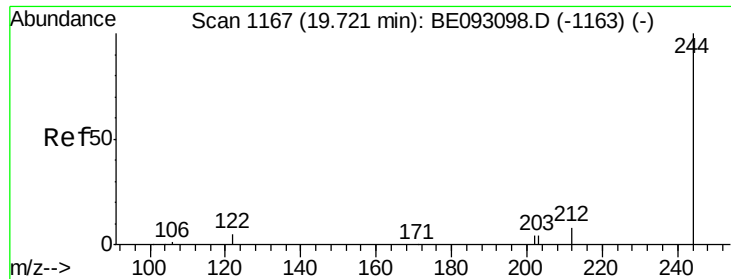
Tgt Ion:202 Resp: 10388  
Ion Ratio Lower Upper  
202 100  
200 0.0 0.0 0.0  
203 18.1 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.212 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093097.D

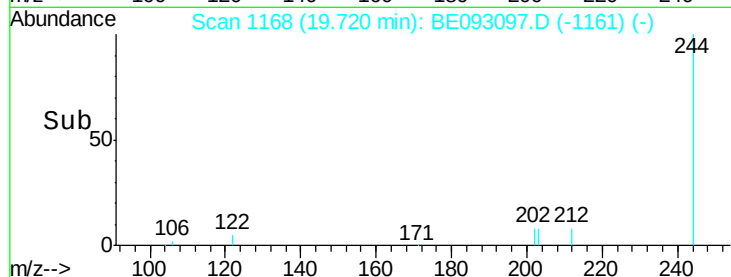
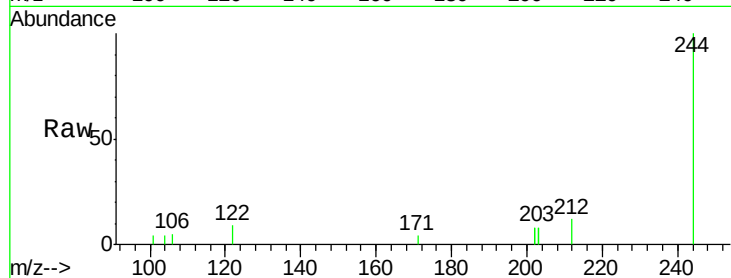
Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

ClientSampleId :

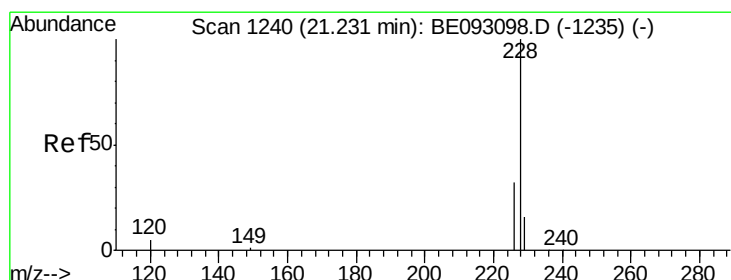
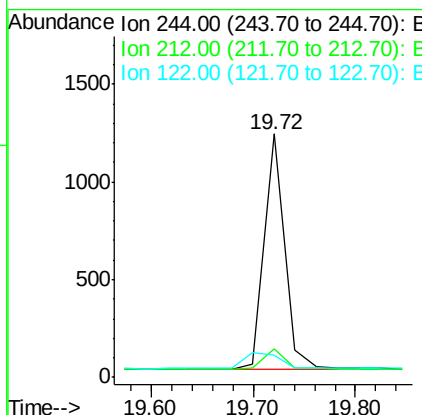
SSTDIC0.2



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 1678  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 11.7  | 10.6  | 16.0  |
| 122       | 9.0   | 15.4  | 23.0# |

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#30

Benzo(a)anthracene

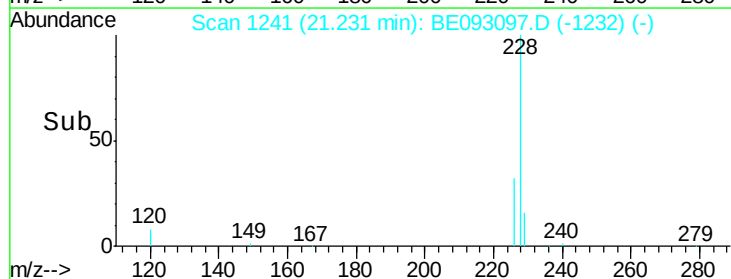
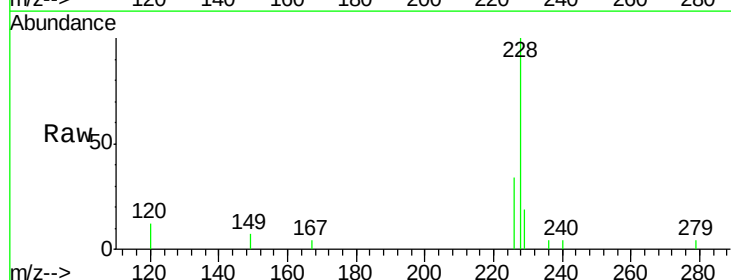
Concen: 0.199 ng

RT: 21.23 min Scan# 1241

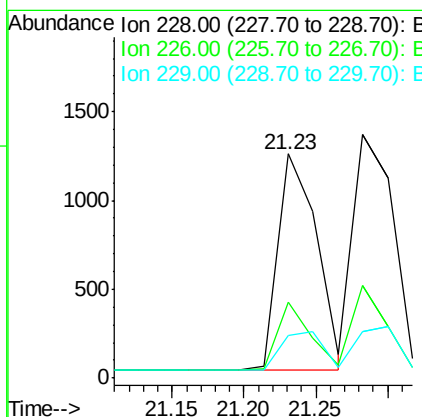
Delta R.T. -0.00 min

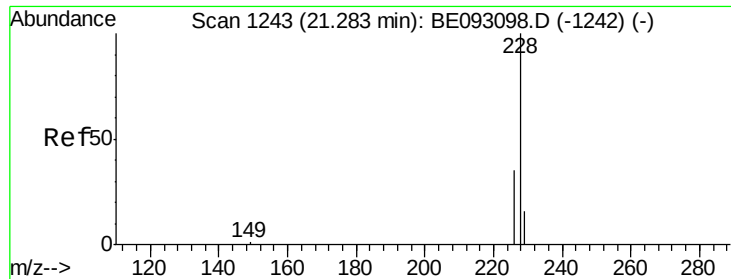
Lab File: BE093097.D

Acq: 12 Jun 2017 10:22



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 2301  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 34.2  | 19.7  | 29.5# |
| 229       | 18.8  | 19.2  | 28.8# |





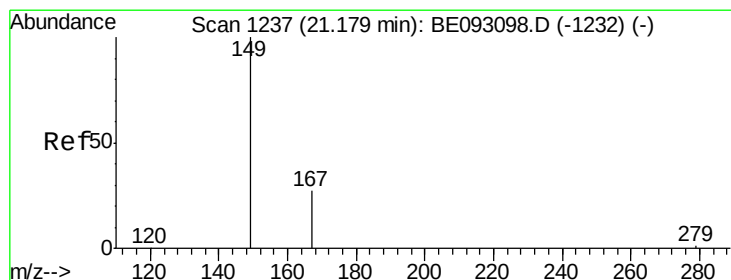
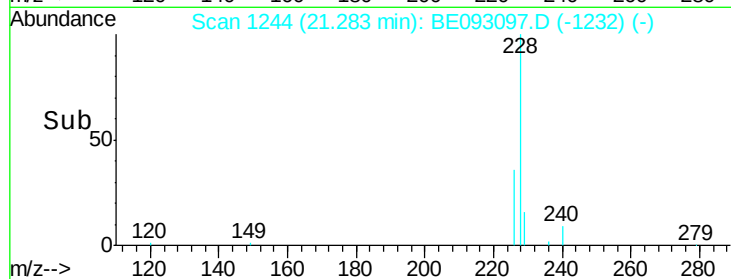
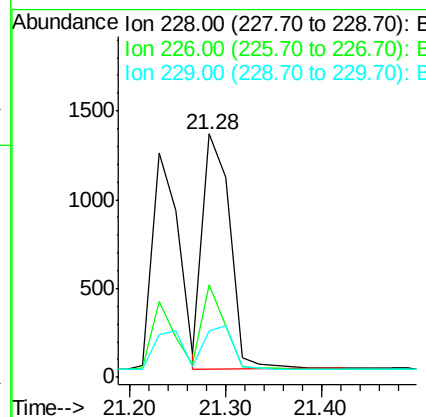
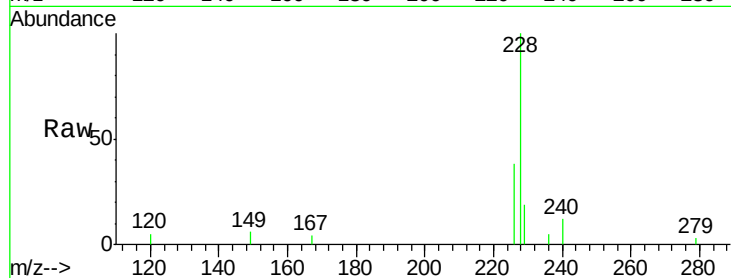
#31  
**Chrysene**  
 Concen: 0.211 ng  
 RT: 21.28 min Scan# 1244  
 Delta R.T. -0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 37.9  | 21.5  | 32.3# |
| 229     | 19.0  | 18.6  | 28.0  |

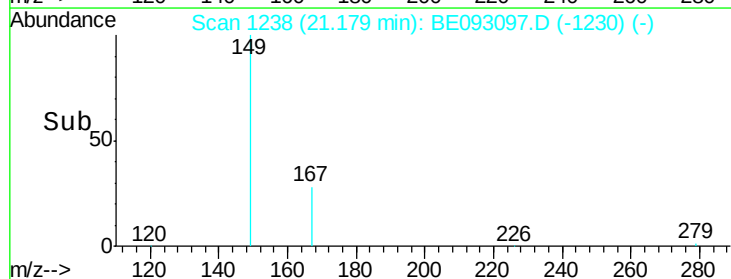
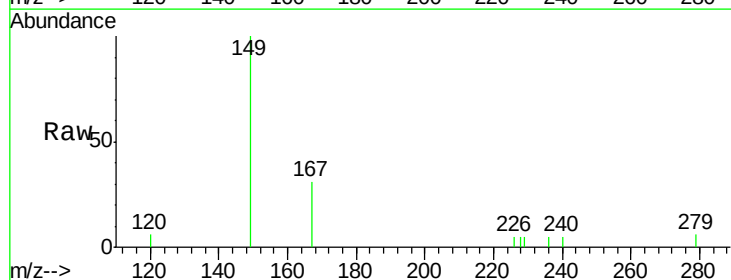
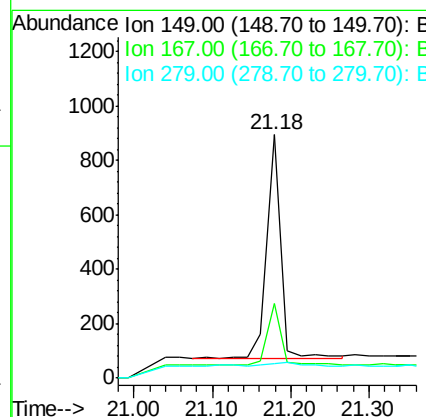
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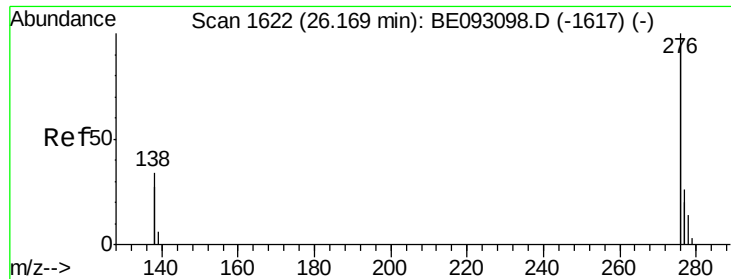
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#32  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 0.152 ng  
 RT: 21.18 min Scan# 1238  
 Delta R.T. -0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.8  | 20.1  | 30.1  |
| 279     | 2.6   | 2.2   | 3.4   |





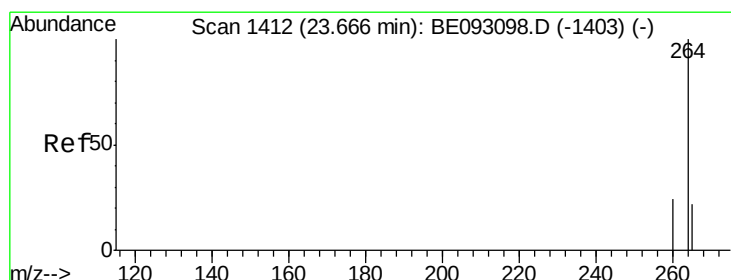
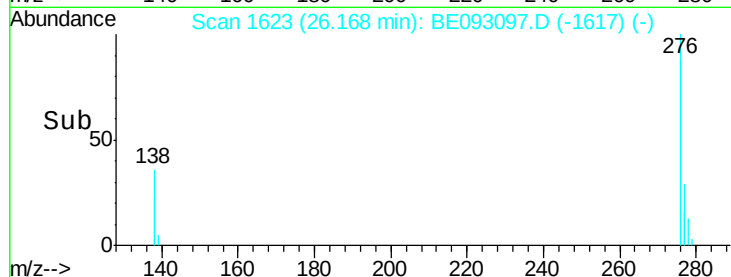
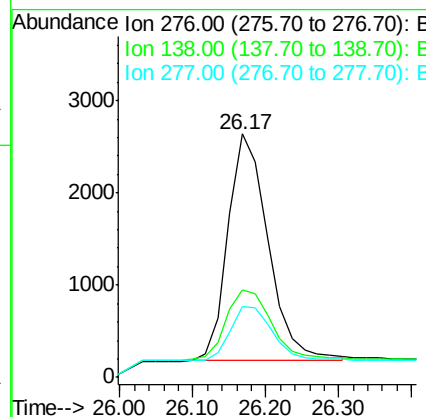
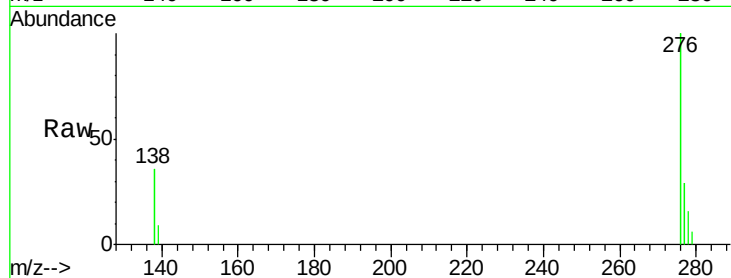
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.208 ng  
 RT: 26.17 min Scan# 1623  
 Delta R.T. 0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.9  | 27.4  | 41.2  |
| 277     | 25.2  | 20.1  | 30.1  |

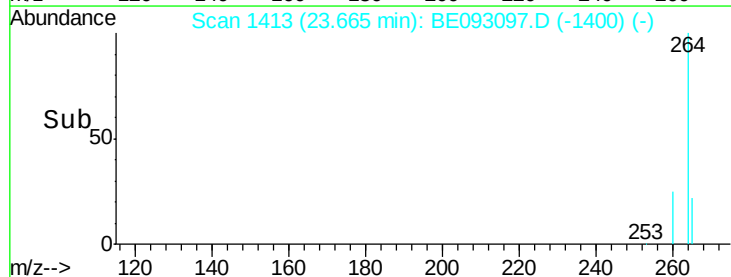
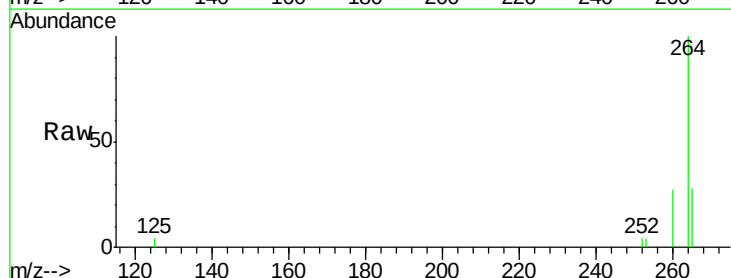
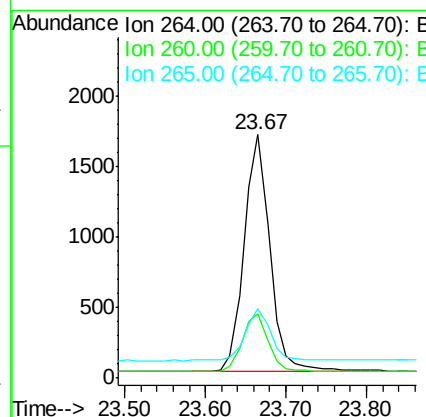
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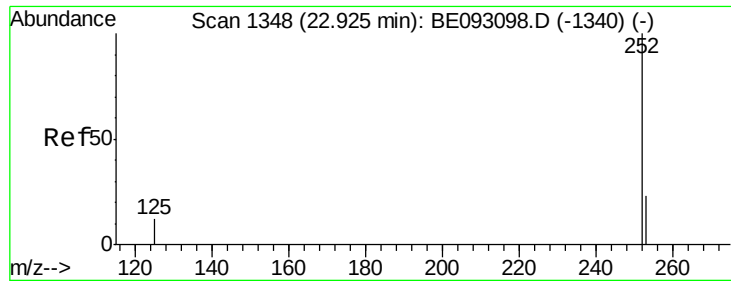
mohammad  
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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.67 min Scan# 1413  
 Delta R.T. -0.00 min  
 Lab File: BE093097.D  
 Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.7  | 21.0  | 31.4  |
| 265     | 28.3  | 24.6  | 36.8  |





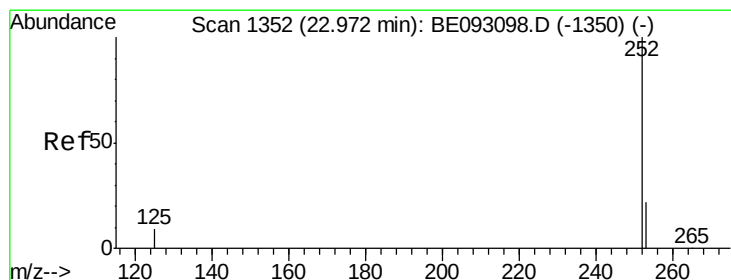
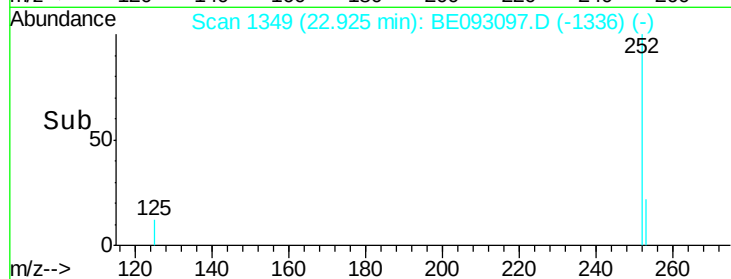
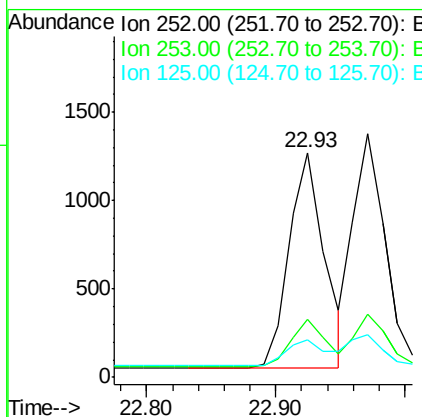
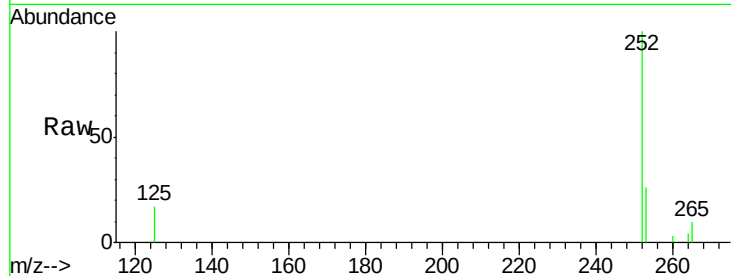
#35  
Benzo(b)fluoranthene  
Concen: 0.198 ng  
RT: 22.93 min Scan# 1349  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 2321 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 26.0  | 18.5  | 27.7 |
| 125       | 16.7  | 13.4  | 20.0 |

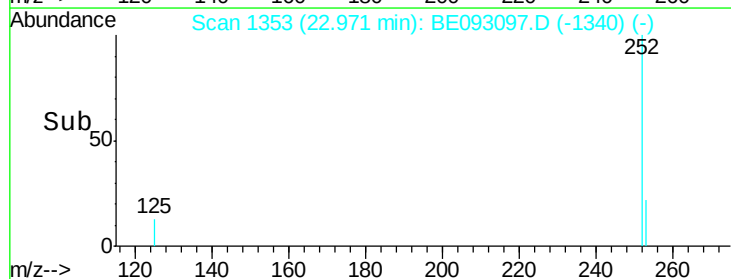
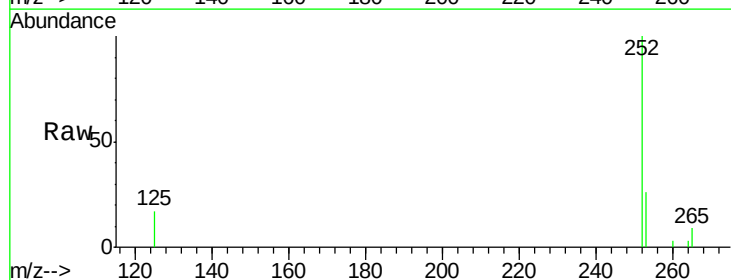
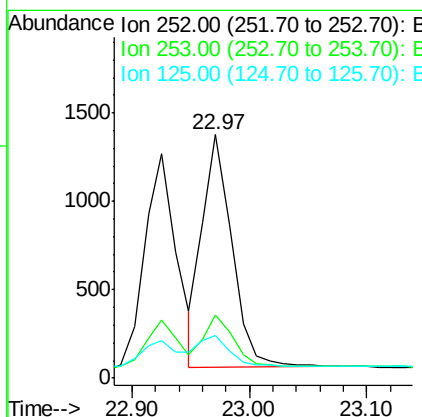
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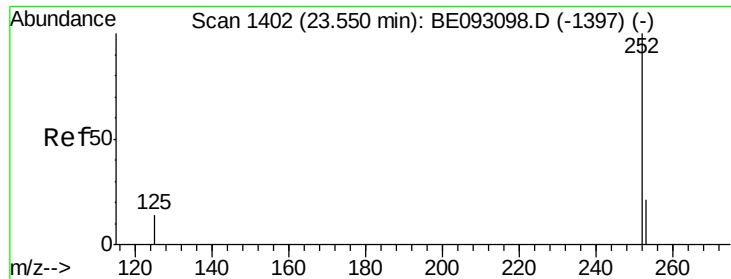
mohammad  
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#36  
Benzo(k)fluoranthene  
Concen: 0.196 ng  
RT: 22.97 min Scan# 1353  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 2303 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 25.9  | 20.3  | 30.5 |
| 125       | 17.3  | 12.2  | 18.4 |





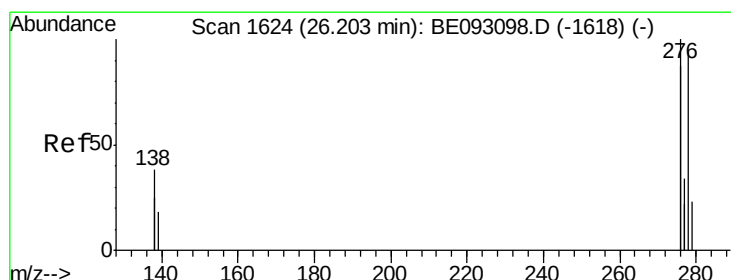
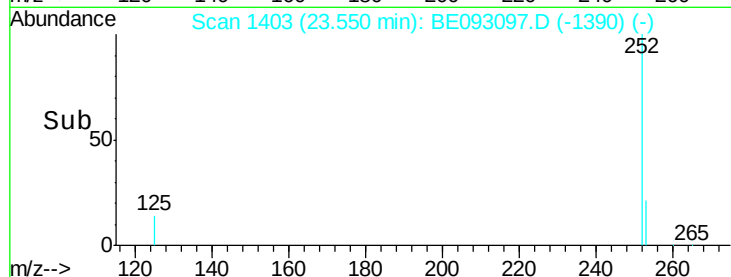
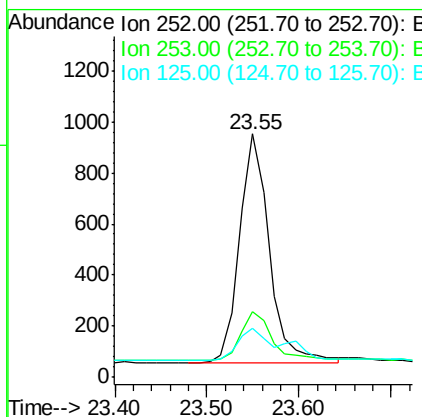
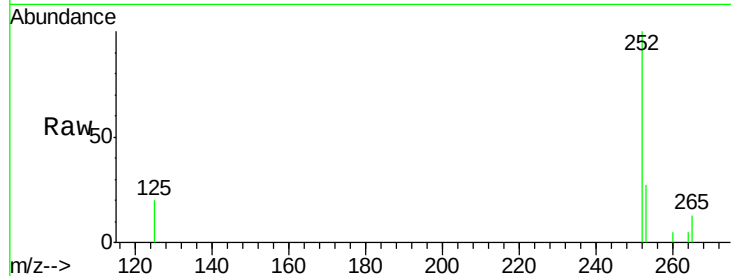
#37  
Benzo(a)pyrene  
Concen: 0.187 ng  
RT: 23.55 min Scan# 1403  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.9  | 19.9  | 29.9  |
| 125     | 20.0  | 14.6  | 21.8  |

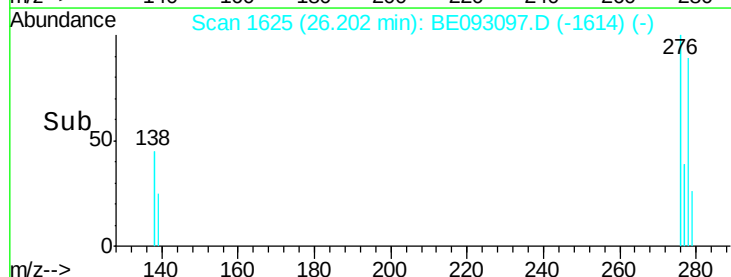
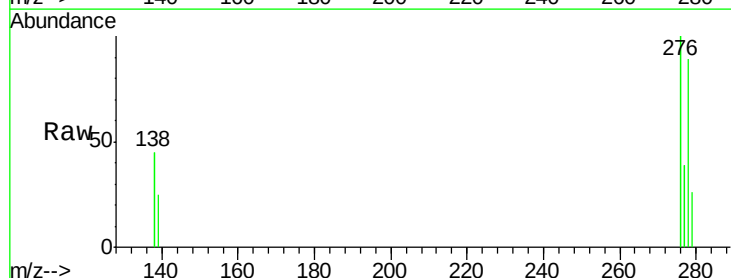
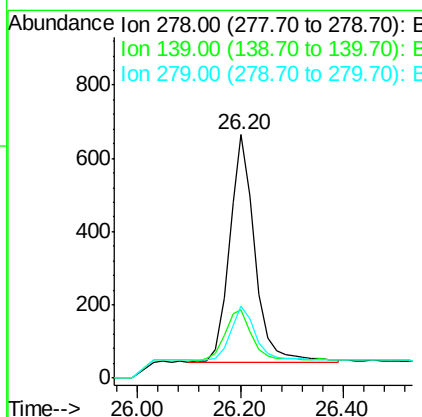
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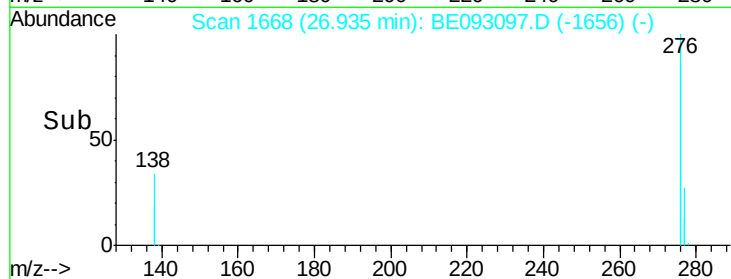
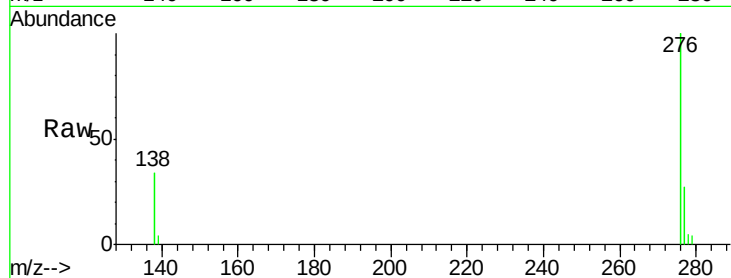
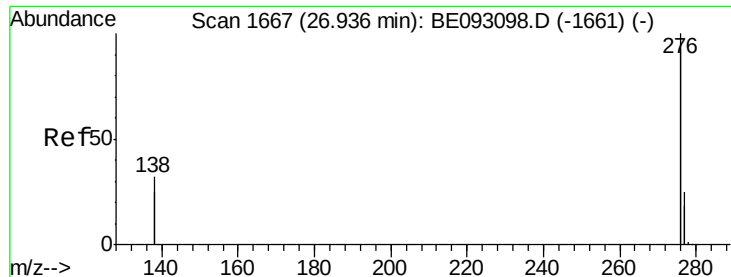
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.213 ng  
RT: 26.20 min Scan# 1625  
Delta R.T. -0.00 min  
Lab File: BE093097.D  
Acq: 12 Jun 2017 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 28.1  | 21.4  | 32.0  |
| 279     | 29.5  | 22.2  | 33.2  |





#39

Benzo(g,h,i)perylene

Concen: 0.202 ng

RT: 26.93 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BE093097.D

Acq: 12 Jun 2017 10:22

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 8770 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 27.2  | 21.2  | 31.8 |
| 138       | 33.7  | 24.5  | 36.7 |

Manual Integrations  
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