

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\  
 Data File : BE093029.D  
 Acq On : 15 May 2017 11:38  
 Operator : SJ/MA  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

Manual Integrations  
 APPROVED

mohammad  
 5/17/2017 2:23:55 PM

Quant Time: May 15 12:16:14 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 15 12:09:24 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 793      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3489     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1698     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 4607     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.28 | 240  | 4686     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.69 | 264  | 3840     | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.35  | 112 | 3842  | 1.77 | ng | 0.00  |
| 5) Phenol-d6                | 6.92  | 99  | 5435  | 1.99 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 5053  | 1.85 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 8429  | 1.71 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.87 | 330 | 882   | 1.91 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 11714 | 1.74 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.14 | 212 | 18498 | 1.52 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.74 | 244 | 14701 | 1.77 | ng | 0.00  |

|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 2394   | 1.51 | ng | 98     |
| 3) n-Nitrosodimethylamine      | 3.59  | 42  | 2431   | 1.78 | ng | # 98   |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93  | 4377   | 1.64 | ng | # 100  |
| 9) Naphthalene                 | 10.58 | 128 | 14649  | 1.58 | ng | 95     |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 1939   | 1.52 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.19 | 142 | 9386   | 1.72 | ng | 93     |
| 16) Acenaphthylene             | 14.10 | 152 | 52498  | 1.82 | ng | 99     |
| 17) Acenaphthene               | 14.44 | 154 | 8969   | 1.71 | ng | 98     |
| 18) Fluorene                   | 15.43 | 166 | 11086  | 1.70 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.33 | 248 | 2263   | 1.53 | ng | # 1    |
| 21) Hexachlorobenzene          | 16.47 | 284 | 3012   | 1.37 | ng | # 100  |
| 22) Pentachlorophenol          | 16.82 | 266 | 865    | 1.56 | ng | 87     |
| 23) Phenanthrene               | 17.19 | 178 | 14245  | 1.29 | ng | # 77   |
| 24) Anthracene                 | 17.28 | 178 | 14265  | 1.50 | ng | 98     |
| 26) Fluoranthene               | 19.16 | 202 | 88388  | 1.49 | ng | # 59   |
| 28) Pyrene                     | 19.53 | 202 | 90929  | 1.55 | ng | # 96   |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 21145  | 1.84 | ng | # 85   |
| 31) Chrysene                   | 21.30 | 228 | 21887  | 1.52 | ng | # 83   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 10826  | 2.13 | ng | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 82244  | 1.79 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 22.95 | 252 | 20159m | 1.63 | ng |        |
| 36) Benzo(k)fluoranthene       | 23.00 | 252 | 19968  | 1.61 | ng | 94     |
| 37) Benzo(a)pyrene             | 23.57 | 252 | 18371  | 1.71 | ng | 93     |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278 | 17737  | 1.82 | ng | # 89   |
| 39) Benzo(g,h,i)perylene       | 26.99 | 276 | 74554  | 1.68 | ng | 96     |

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

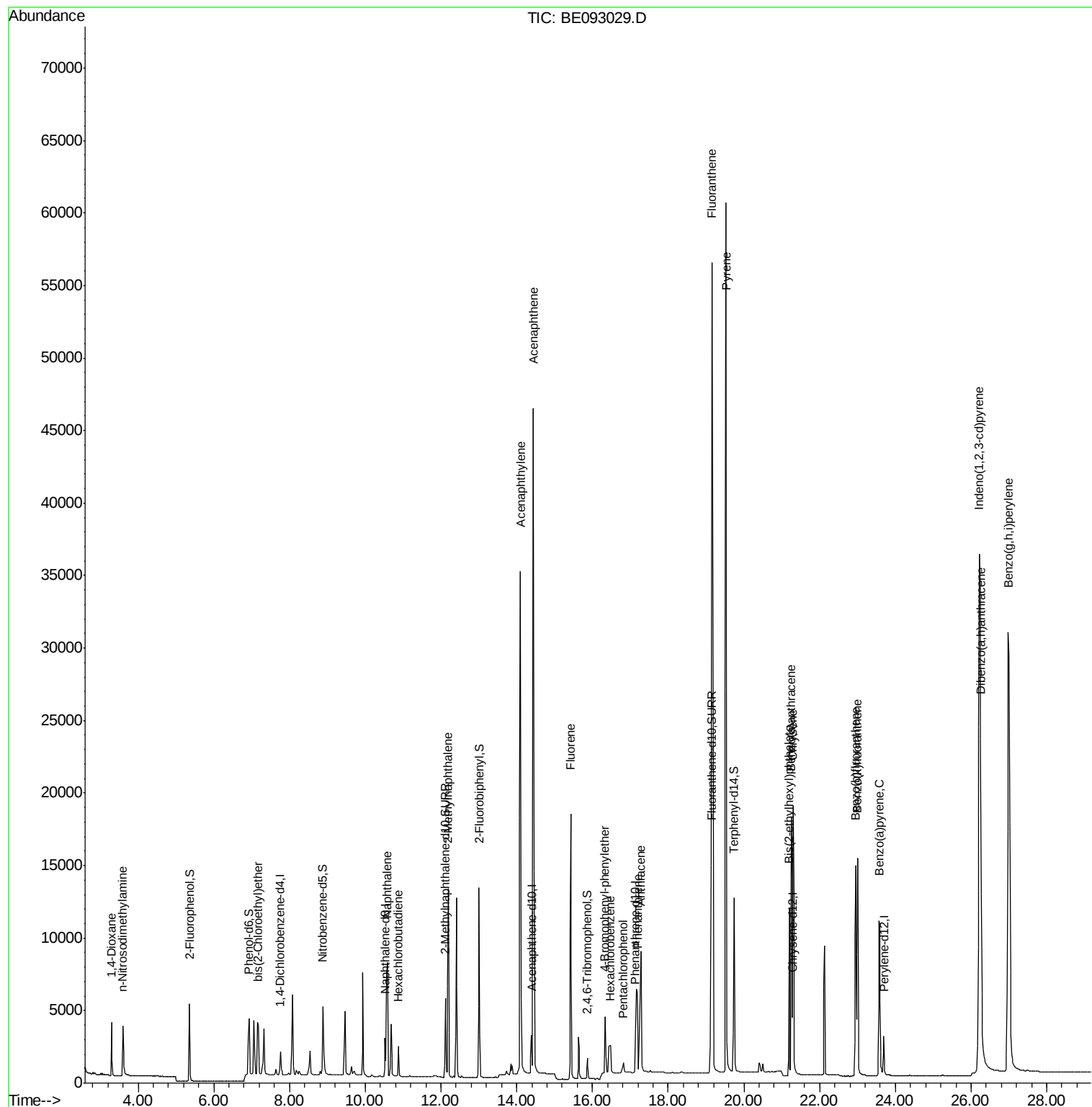
Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\  
Data File : BE093029.D  
Acq On : 15 May 2017 11:38  
Operator : SJ/MA  
Sample : SSTDIC1.6  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

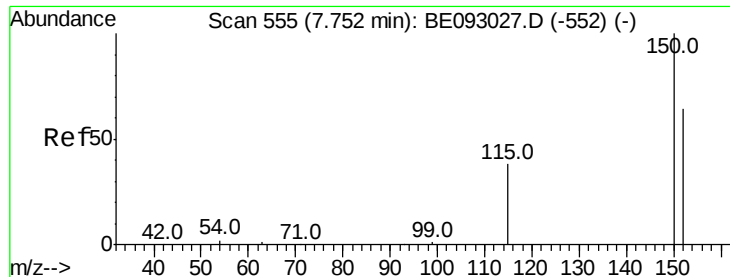
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC1.6

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Quant Time: May 15 12:16:14 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 15 12:09:24 2017  
Response via : Initial Calibration





#1

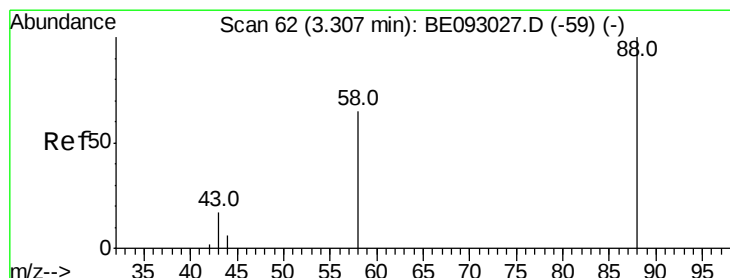
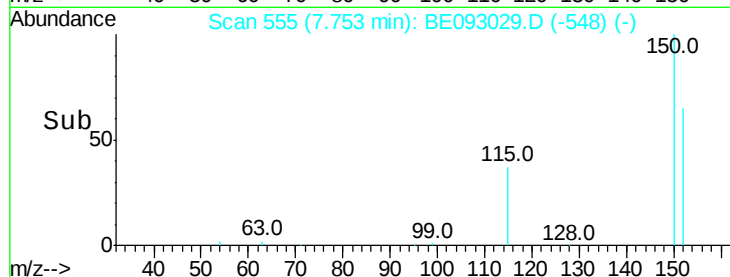
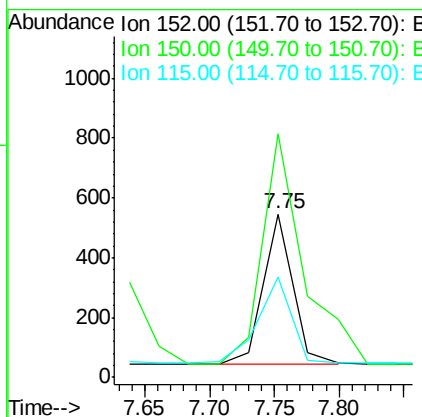
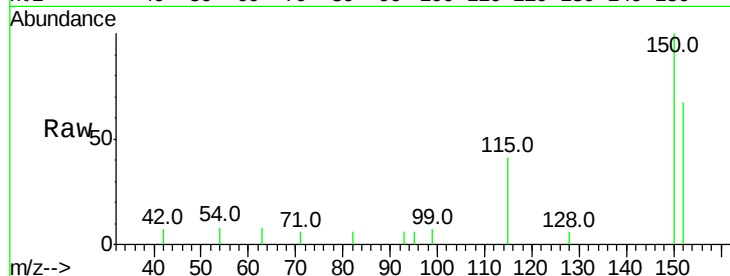
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.75 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampled :  
SSTDIC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.1 | 125.1 | 187.7 |
| 115     | 61.7  | 55.7  | 83.5  |

Manual Integrations  
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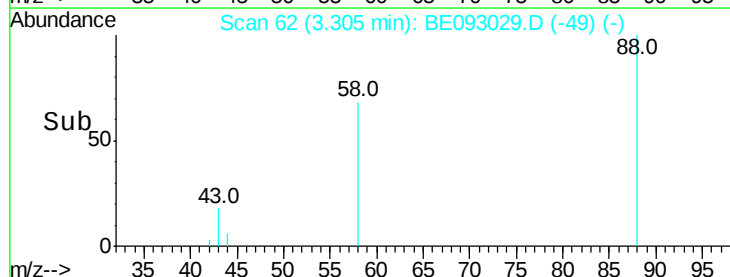
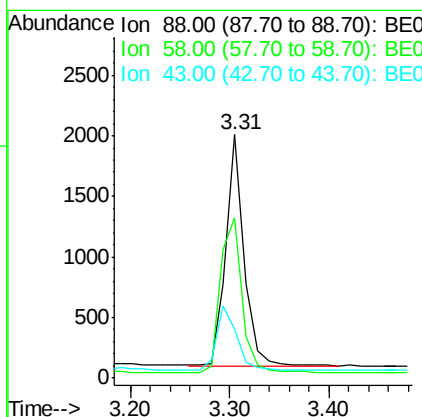
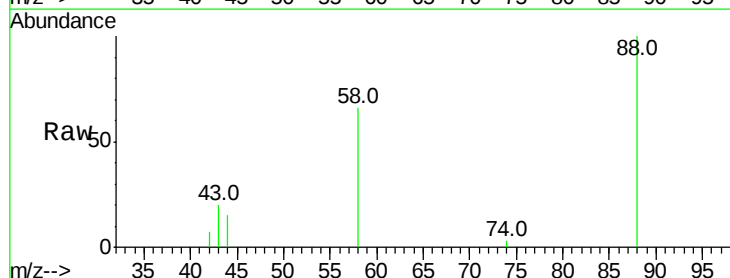
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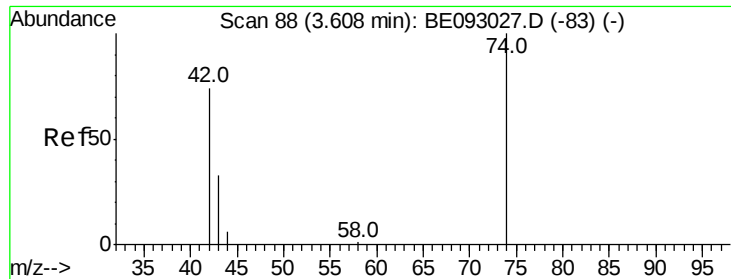


#2

1,4-Dioxane  
Concen: 1.51 ng  
RT: 3.31 min Scan# 62  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.2  | 62.2  | 93.4  |
| 43      | 30.1  | 23.2  | 34.8  |





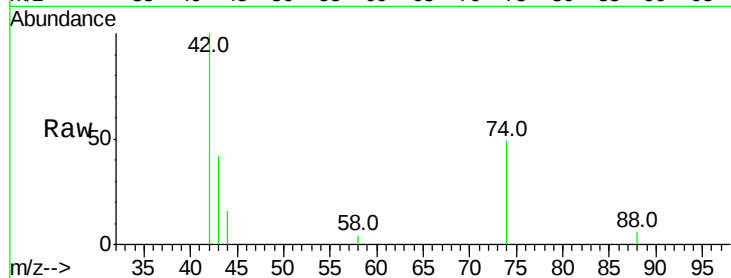
#3  
n-Nitrosodimethylamine  
Concen: 1.78 ng  
RT: 3.59 min Scan# 87  
Delta R.T. -0.01 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

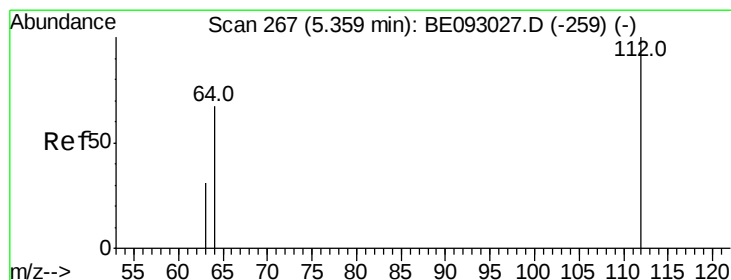
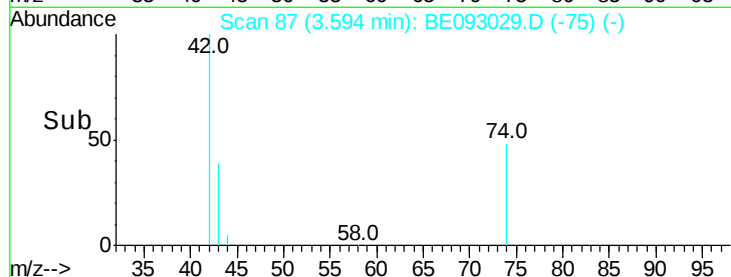
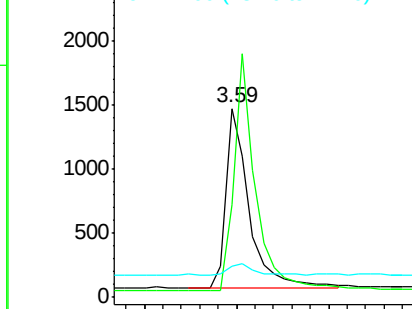
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 125.3 | 99.1  | 148.7 |
| 44      | 7.0   | 7.4   | 11.2# |

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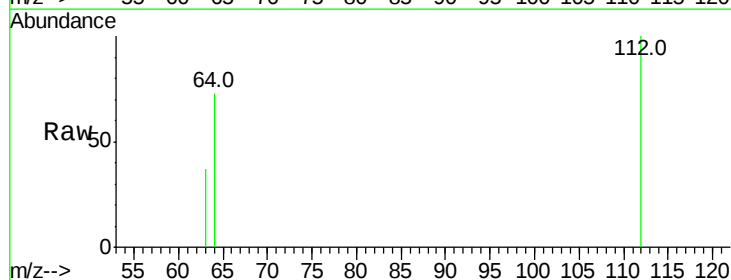


Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0

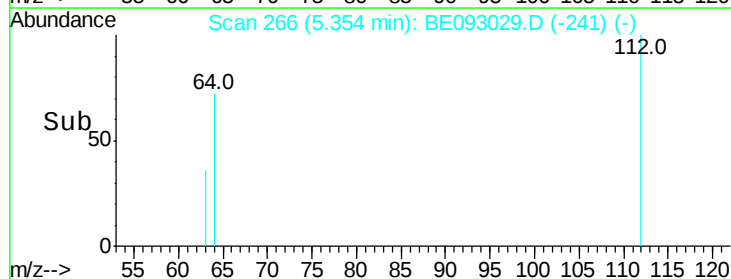
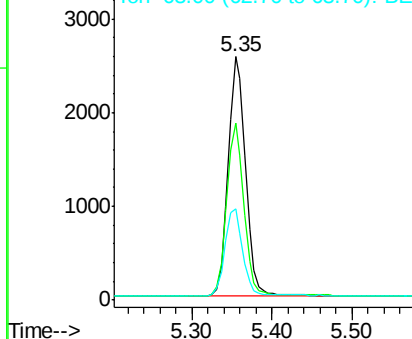


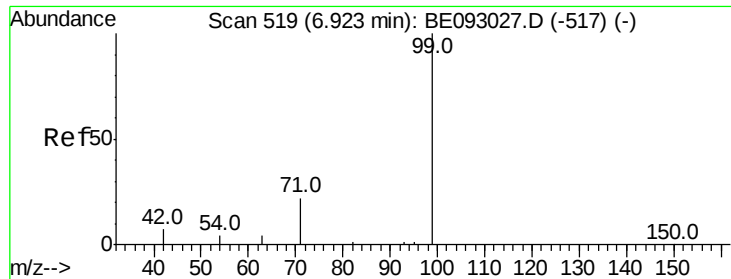
#4  
2-Fluorophenol  
Concen: 1.77 ng  
RT: 5.35 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.4  | 56.4  | 84.6  |
| 63      | 36.8  | 29.3  | 43.9  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.99 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

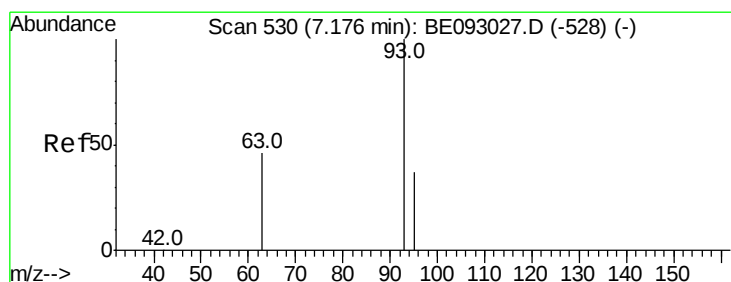
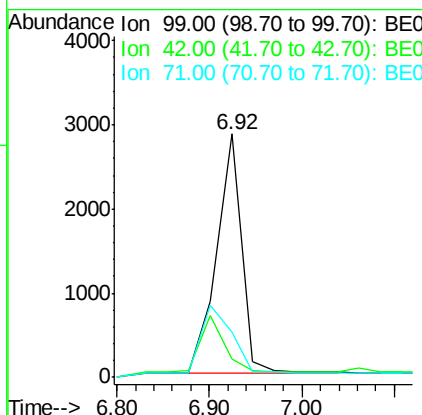
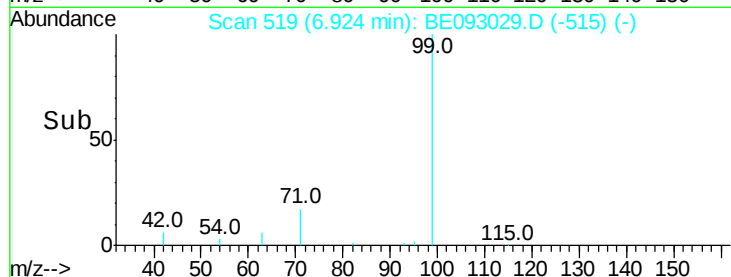
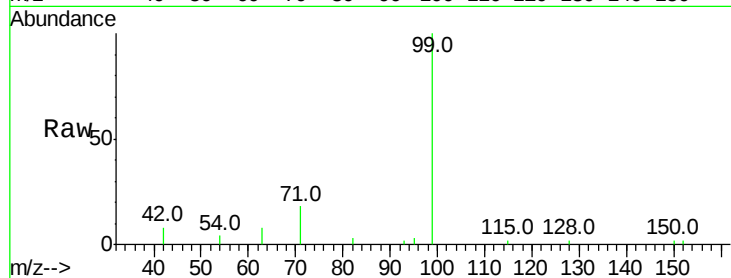
ClientSampleId :

SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 0.0   | 0.0   | 0.0   |
| 71      | 0.0   | 0.0   | 0.0   |

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#6

bis(2-Chloroethyl)ether

Concen: 1.64 ng

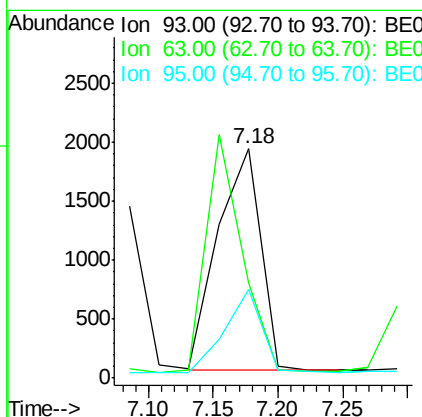
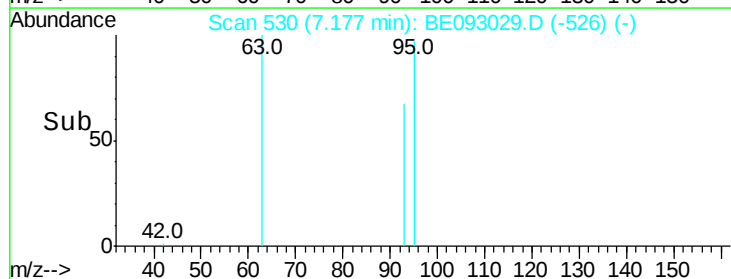
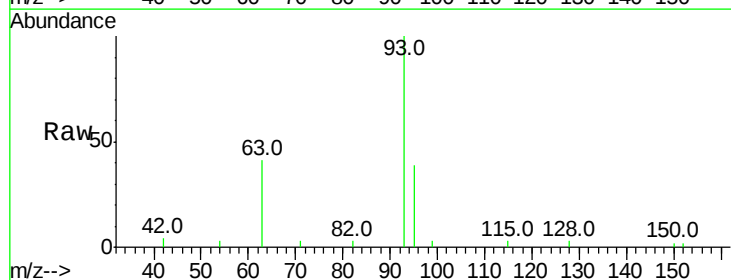
RT: 7.18 min Scan# 530

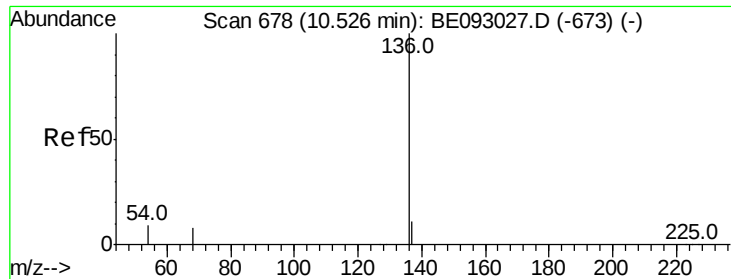
Delta R.T. 0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 0.0   | 0.0   | 0.0   |
| 95      | 31.9  | 25.4  | 38.0  |





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

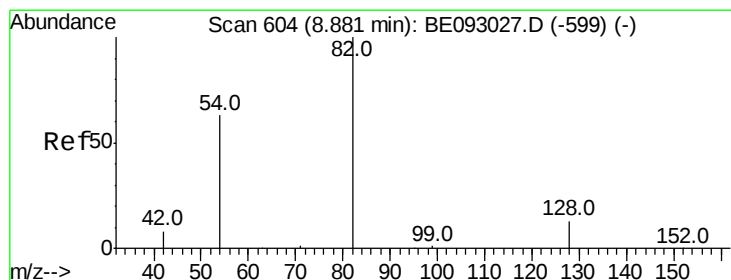
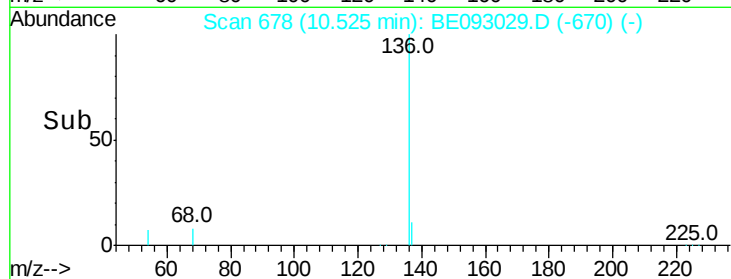
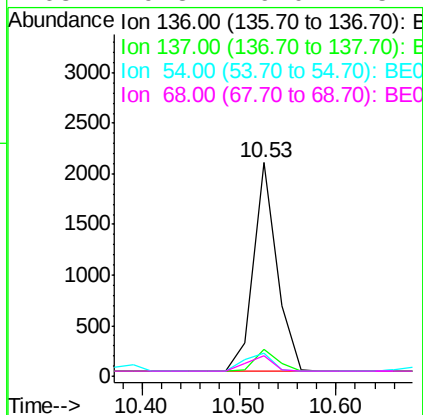
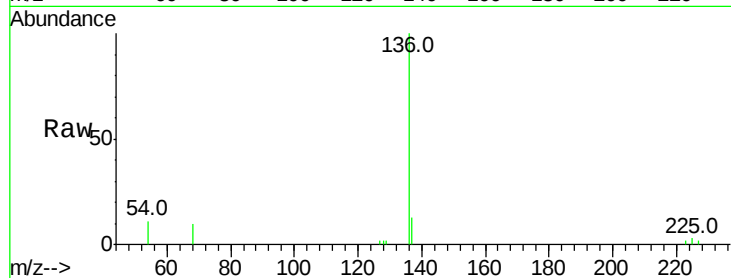
ClientSampleId :

SSTDICC1.6

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 136   | Resp: | 3489  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.5  | 9.8   | 14.8  |
| 54       | 10.7  | 10.3  | 15.5  |
| 68       | 9.8   | 9.0   | 13.4  |

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#8

Nitrobenzene-d5

Concen: 1.85 ng

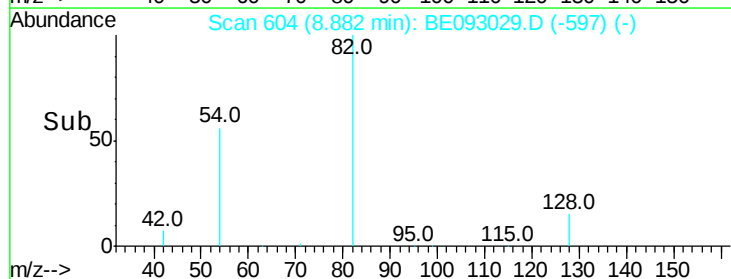
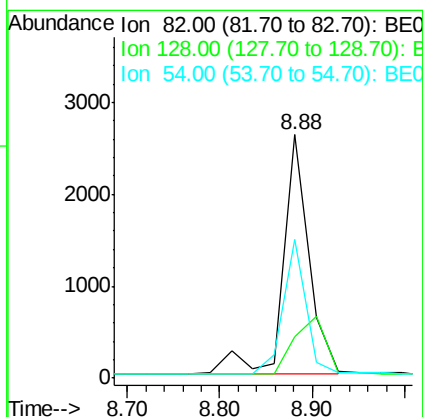
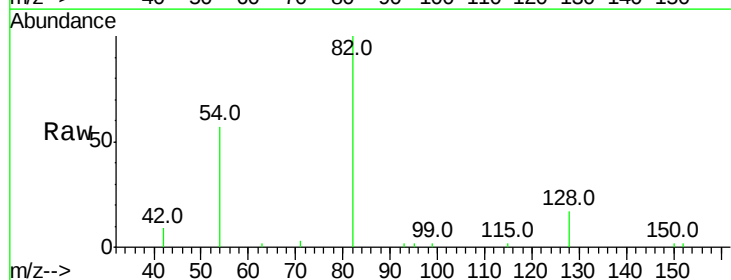
RT: 8.88 min Scan# 604

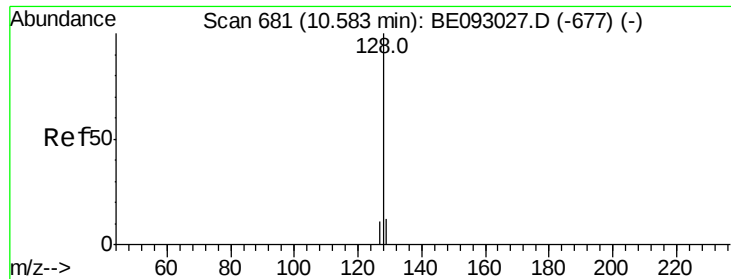
Delta R.T. 0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5053  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 17.0  | 17.0  | 25.4  |
| 54       | 57.0  | 53.8  | 80.6  |





#9

Naphthalene

Concen: 1.58 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

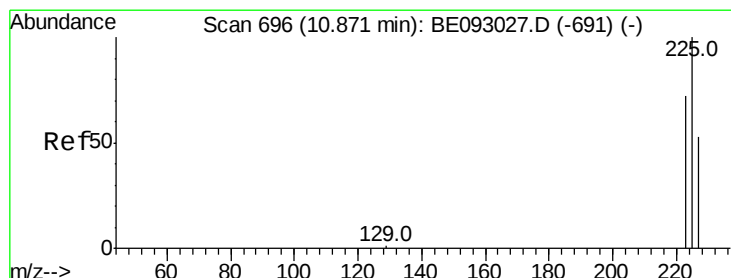
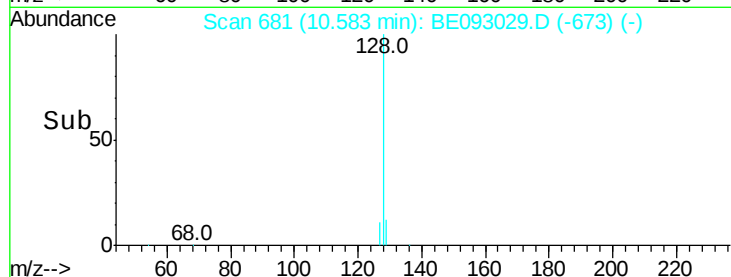
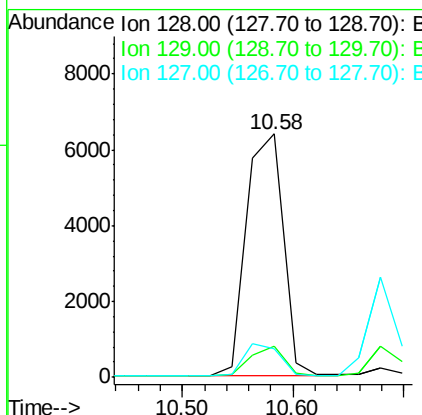
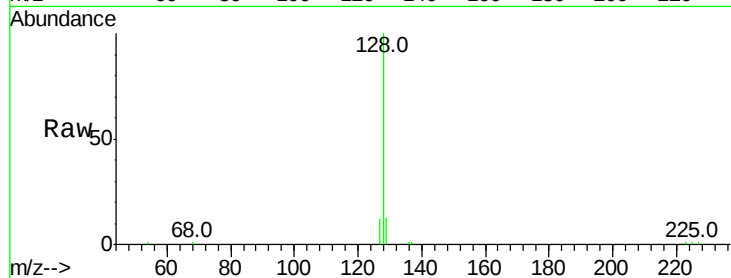
ClientSampleId :

SSTDICC1.6

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 14649 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 12.9  | 11.4  | 17.0  |
| 127      | 11.6  | 11.2  | 16.8  |

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#10

Hexachlorobutadiene

Concen: 1.52 ng

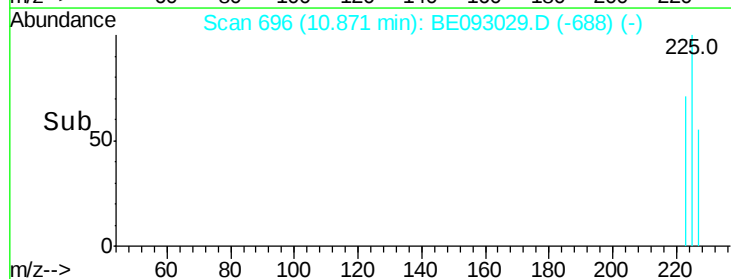
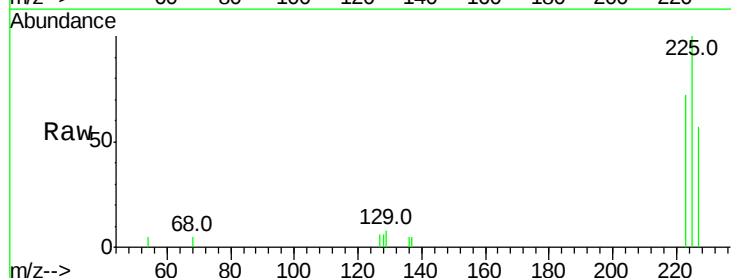
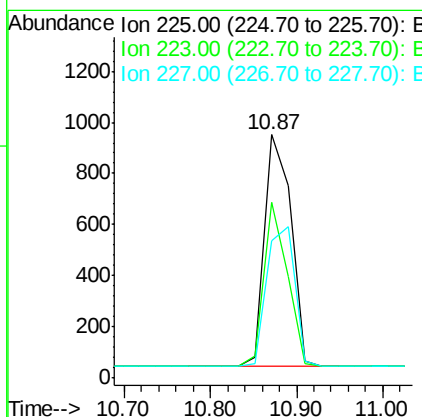
RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1939  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.1  | 49.7  | 74.5  |
| 227      | 64.3  | 50.3  | 75.5  |





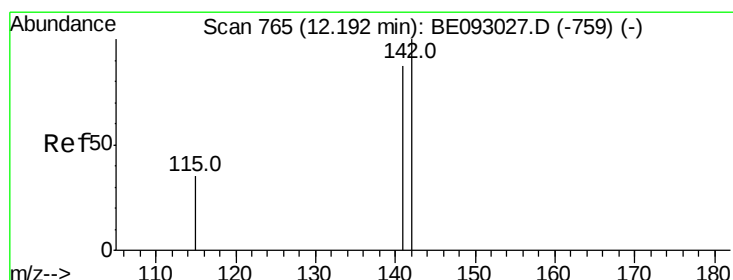
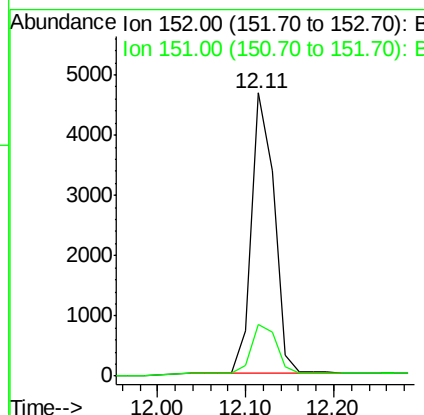
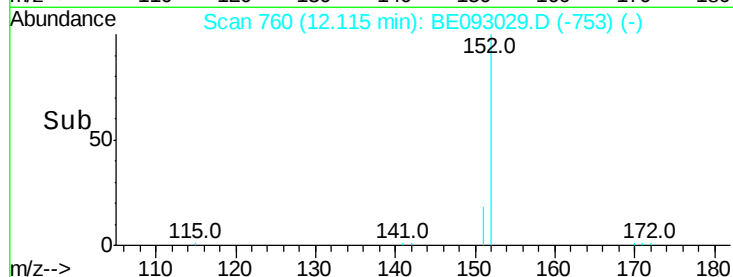
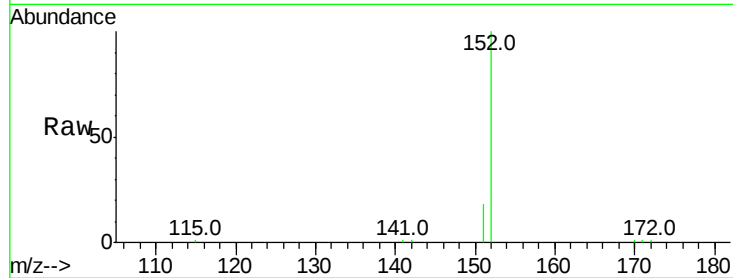
#11  
2-Methylnaphthalene-d10  
Concen: 1.71 ng  
RT: 12.11 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC1.6

Tot Ion:152 Resp: 8429  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.1 22.7

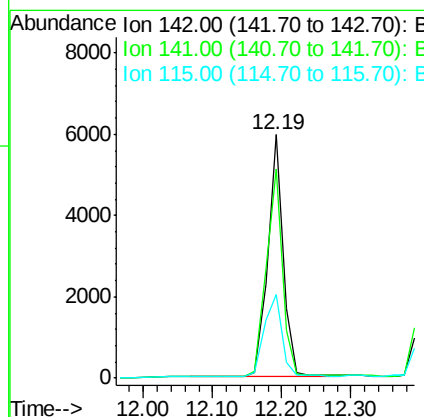
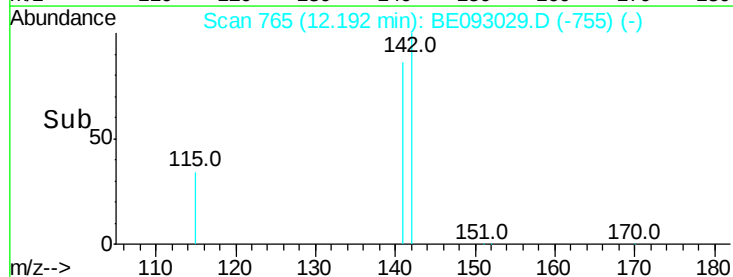
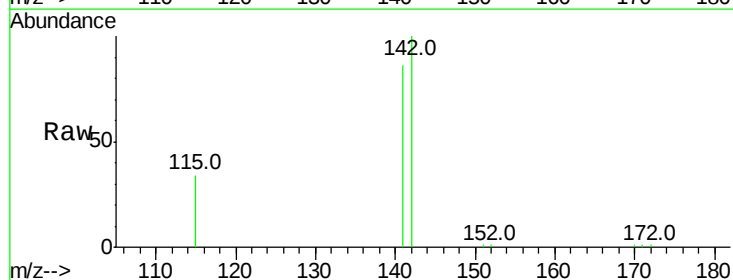
Manual Integrations  
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#12  
2-Methylnaphthalene  
Concen: 1.72 ng  
RT: 12.19 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Tgt Ion:142 Resp: 9386  
Ion Ratio Lower Upper  
142 100  
141 85.8 72.6 108.8  
115 34.3 32.2 48.2





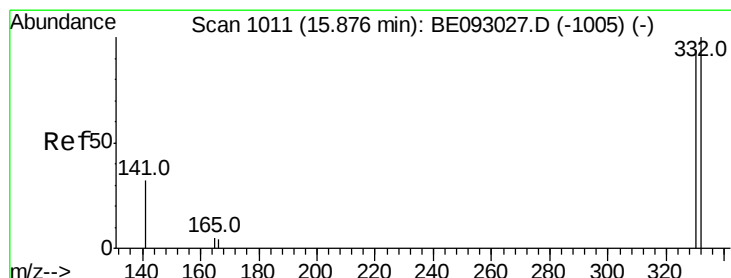
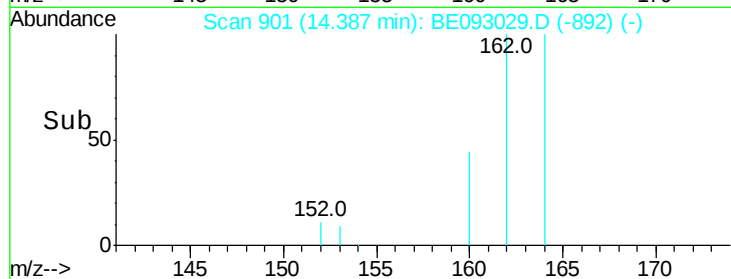
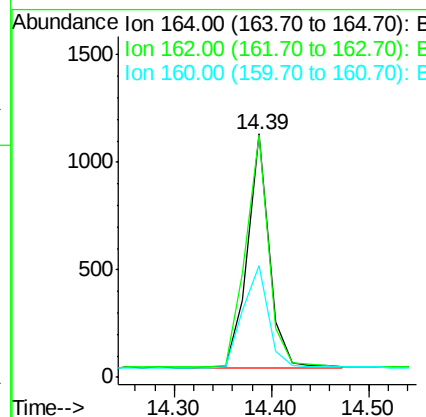
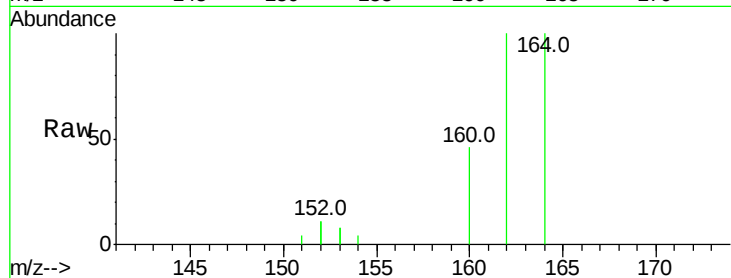
#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.39 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.6  | 84.6  | 127.0 |
| 160     | 45.9  | 41.8  | 62.6  |

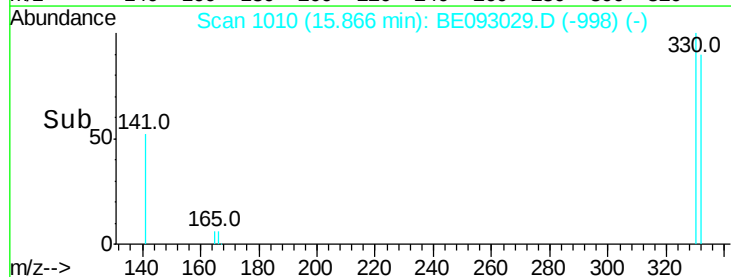
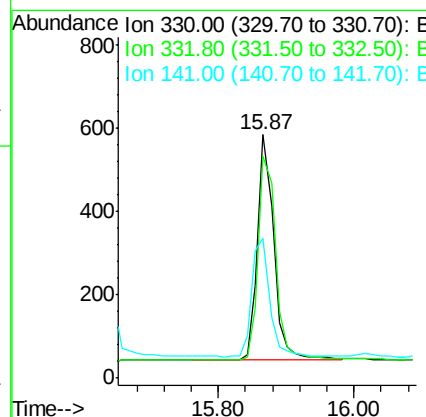
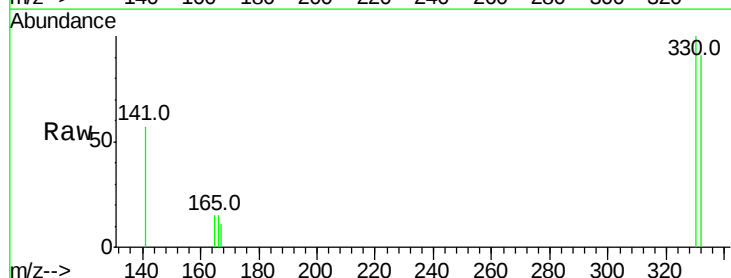
Manual Integrations  
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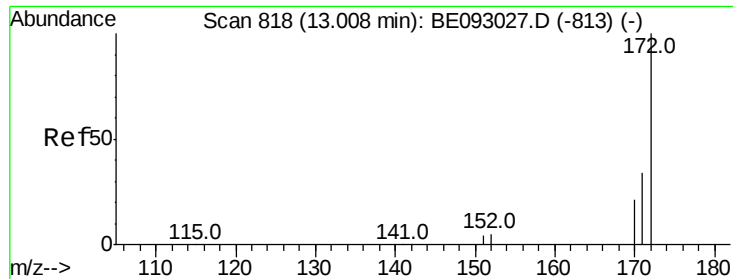
mohammad  
5/17/2017 2:23:55 PM



#14  
2,4,6-Tribromophenol  
Concen: 1.91 ng  
RT: 15.87 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.7  | 116.5 |
| 141     | 58.6  | 56.2  | 84.4  |





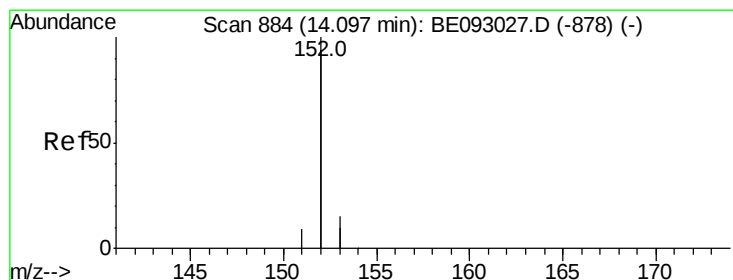
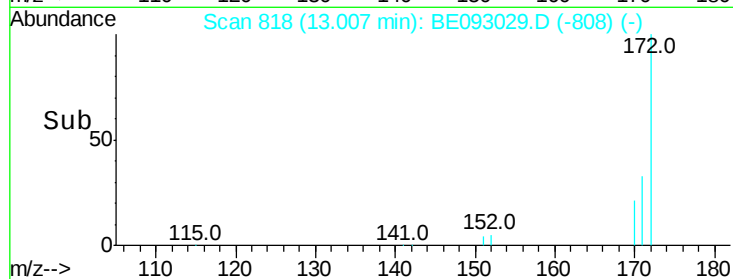
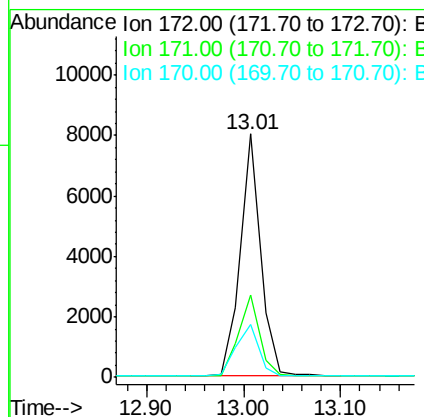
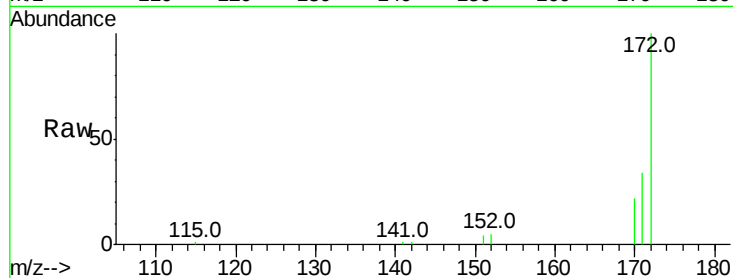
#15  
2-Fluorobiphenyl  
Concen: 1.74 ng  
RT: 13.01 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.8  | 29.8  | 44.6  |
| 170     | 21.5  | 20.7  | 31.1  |

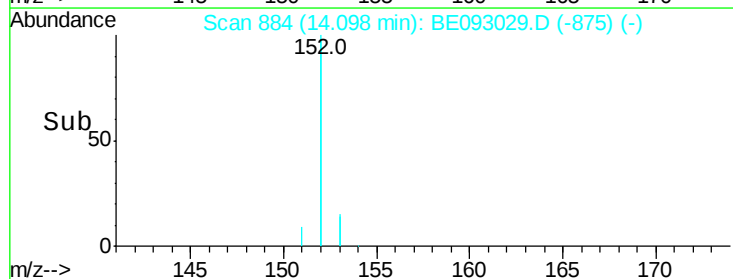
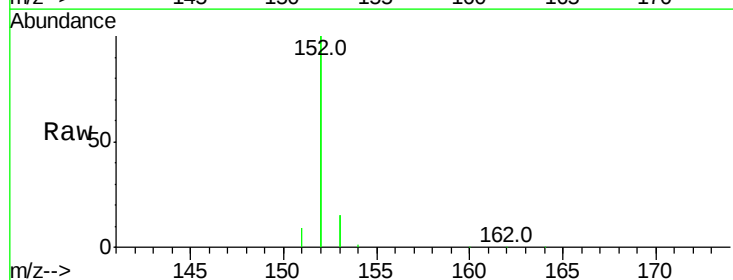
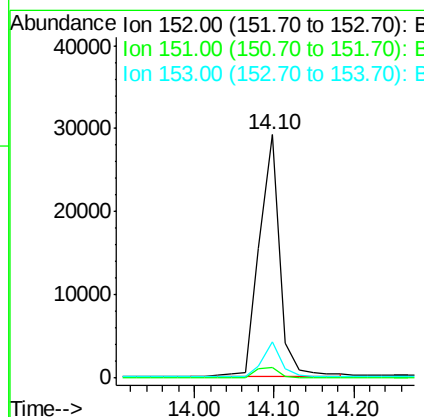
Manual Integrations  
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#16  
Acenaphthylene  
Concen: 1.82 ng  
RT: 14.10 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 4.9   | 4.0   | 6.0   |
| 153     | 13.1  | 10.3  | 15.5  |





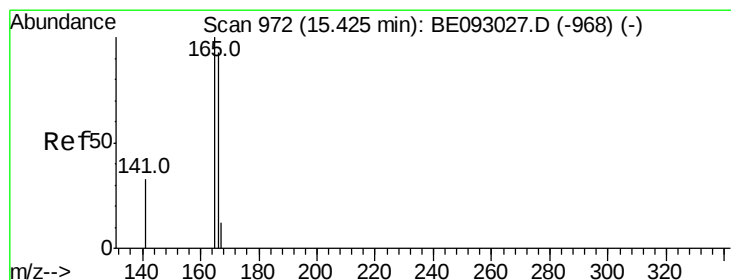
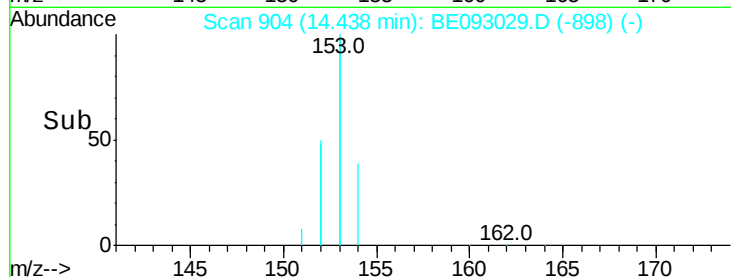
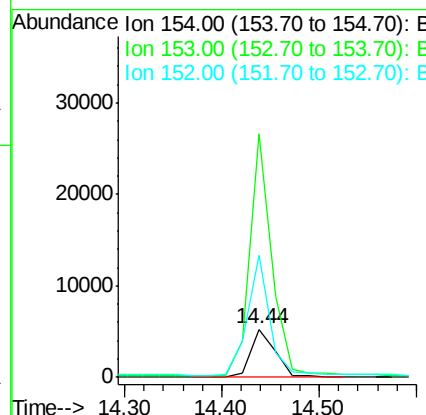
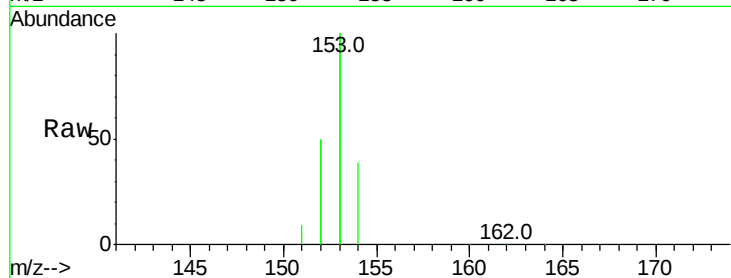
#17  
Acenaphthene  
Concen: 1.71 ng  
RT: 14.44 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

Tot Ion:154 Resp: 8969  
Ion Ratio Lower Upper  
154 100  
153 458.3 367.8 551.6  
152 226.8 188.2 282.2

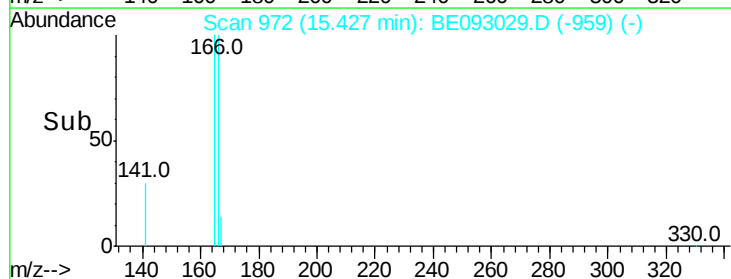
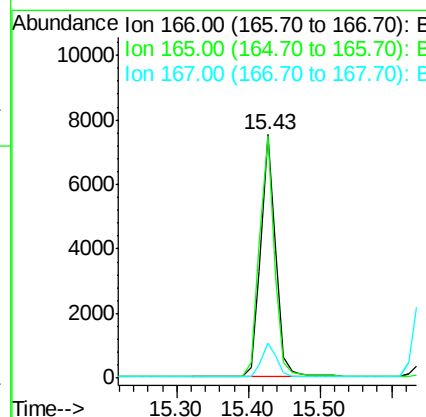
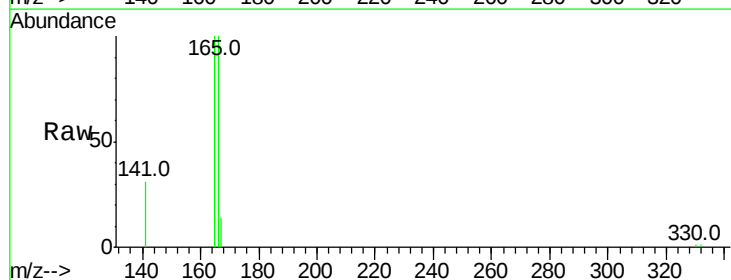
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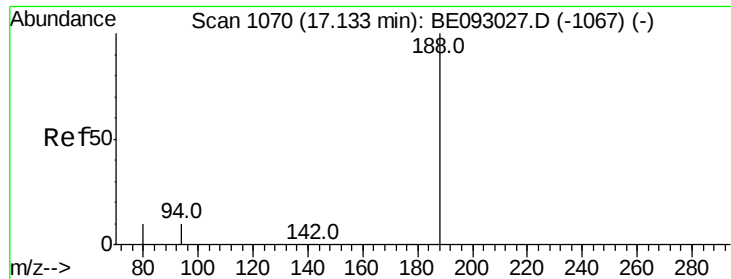
mohammad  
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#18  
Fluorene  
Concen: 1.70 ng  
RT: 15.43 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Tgt Ion:166 Resp: 11086  
Ion Ratio Lower Upper  
166 100  
165 99.6 78.6 117.8  
167 14.1 11.1 16.7





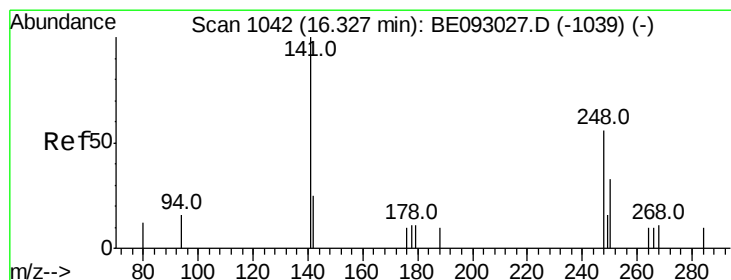
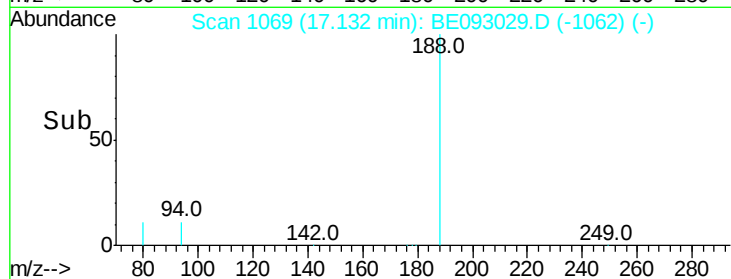
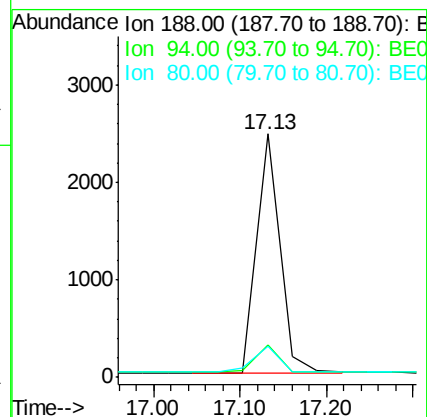
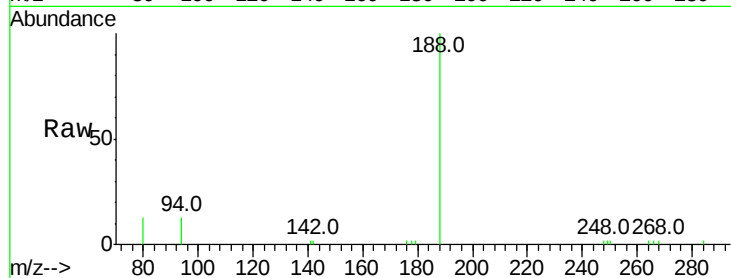
#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.13 min Scan# 1069  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 13.1  | 11.3  | 16.9  |
| 80      | 13.0  | 11.7  | 17.5  |

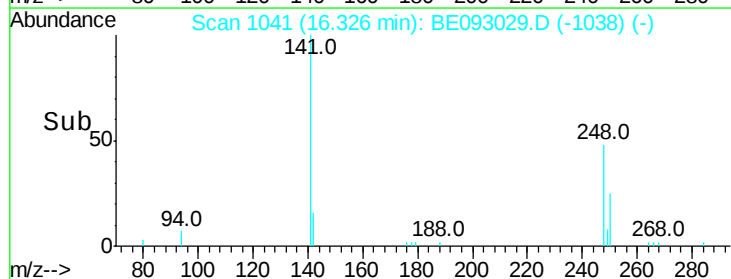
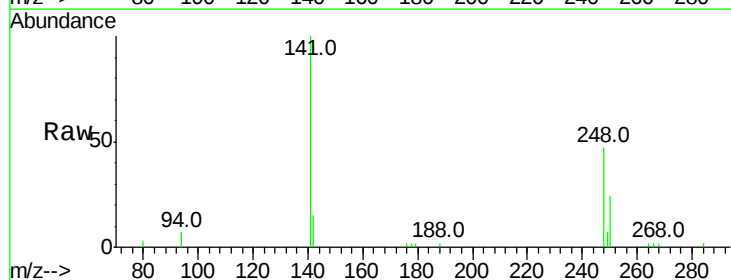
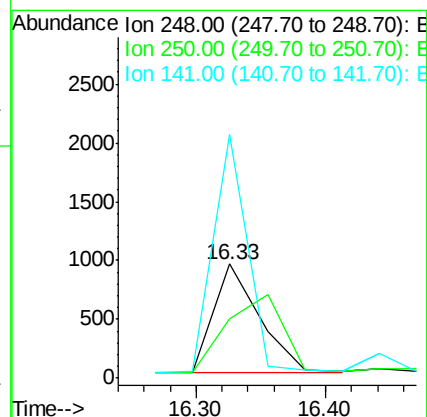
Manual Integrations  
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#20  
4-Bromophenyl-phenylether  
Concen: 1.53 ng  
RT: 16.33 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 52.1  | 100.0 | 150.0# |
| 141     | 213.3 | 40.0  | 60.0#  |





#21

Hexachlorobenzene

Concen: 1.37 ng

RT: 16.47 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

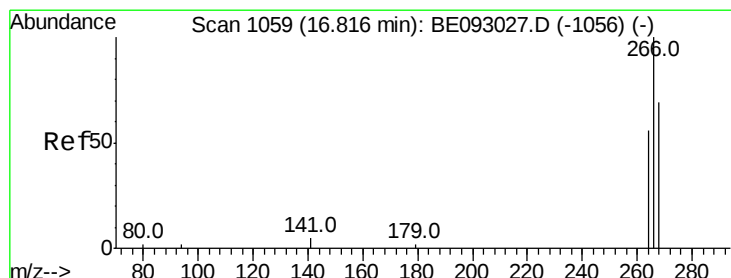
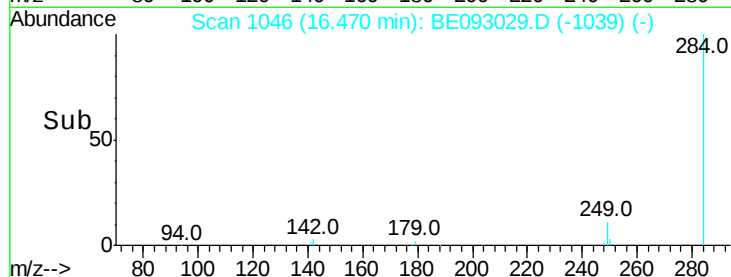
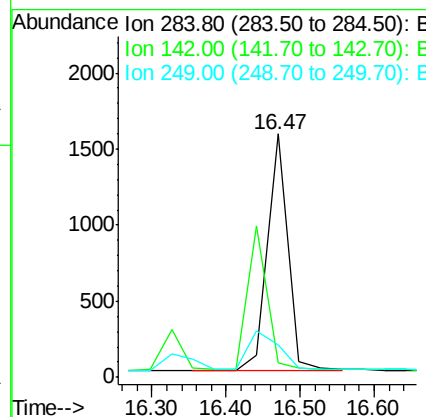
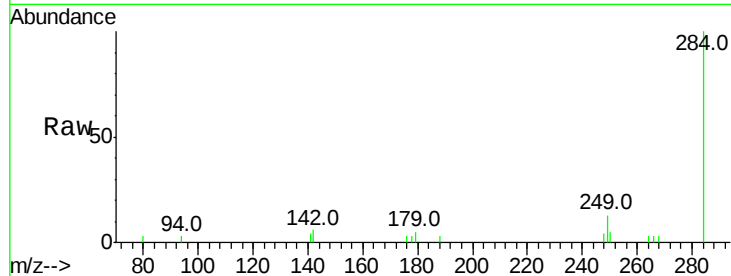
ClientSampleId :

SSTDICC1.6

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 3012 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 0.0   | 0.0   | 0.0  |
| 249       | 0.0   | 0.0   | 0.0  |

Manual Integrations  
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#22

Pentachlorophenol

Concen: 1.56 ng

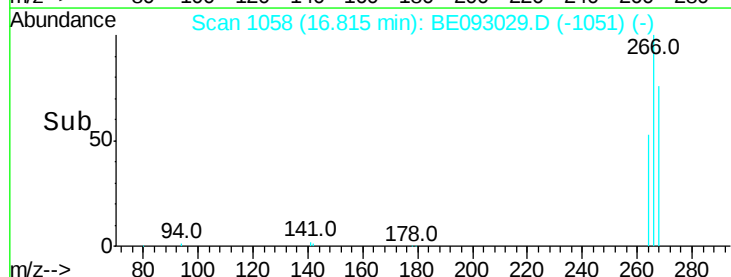
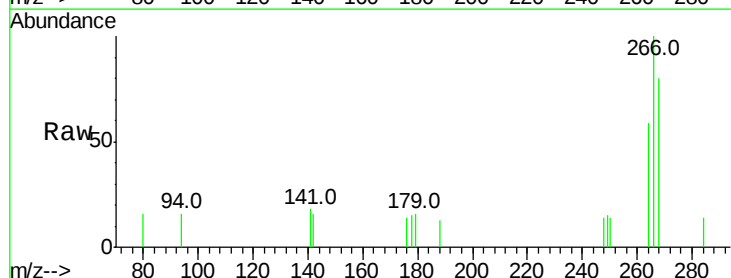
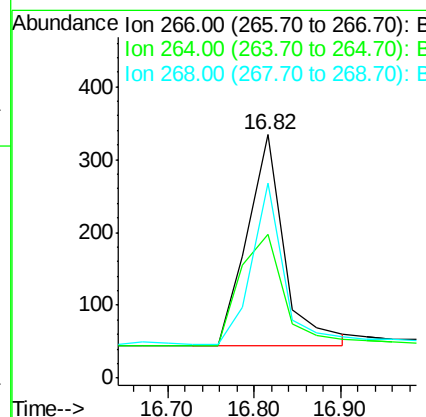
RT: 16.82 min Scan# 1058

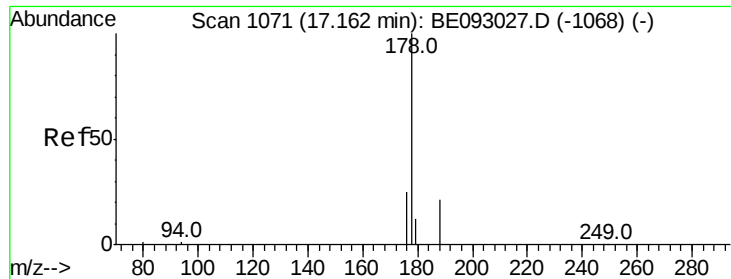
Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 865   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 59.3  | 58.2  | 87.2  |
| 268       | 80.2  | 71.9  | 107.9 |





#23

Phenanthrene

Concen: 1.29 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

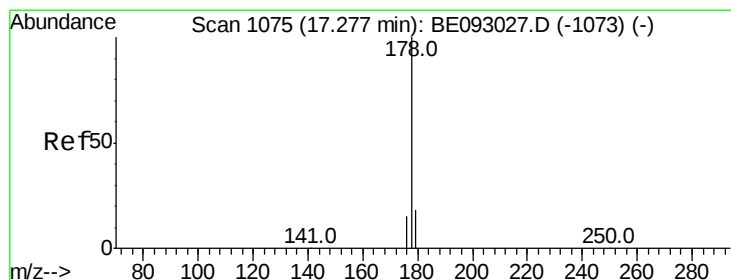
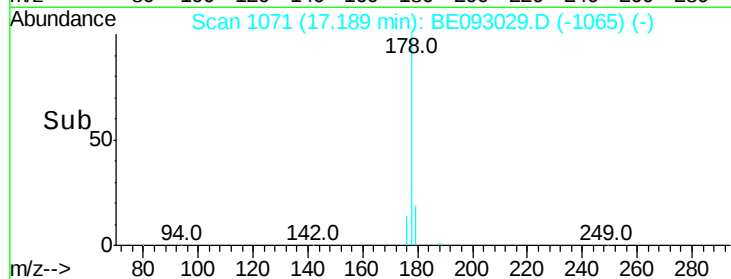
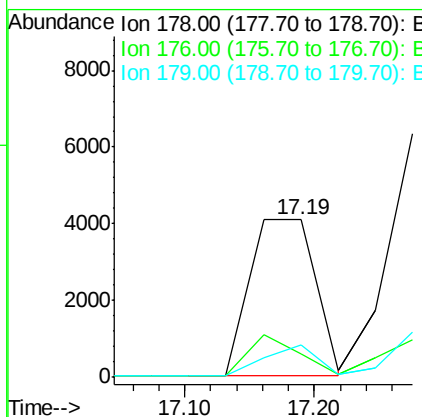
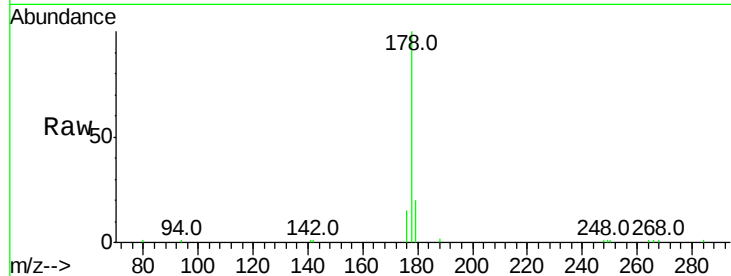
ClientSampleId :

SSTDICC1.6

Tot Ion:178 Resp: 14245  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.0 22.4#  
 179 15.6 12.7 19.1

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#24

Anthracene

Concen: 1.50 ng

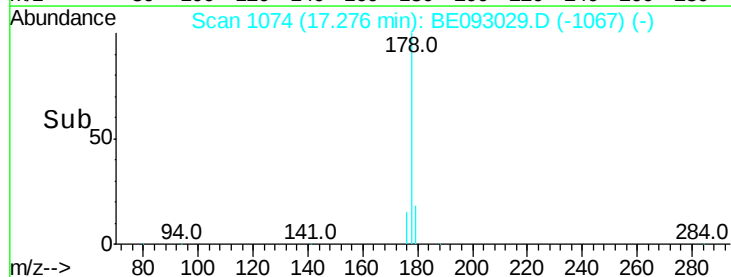
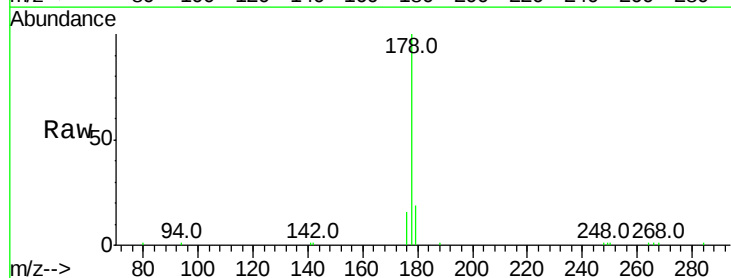
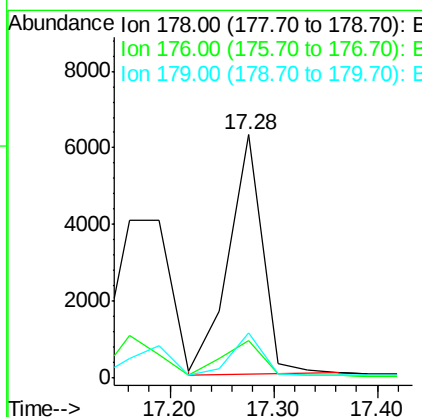
RT: 17.28 min Scan# 1074

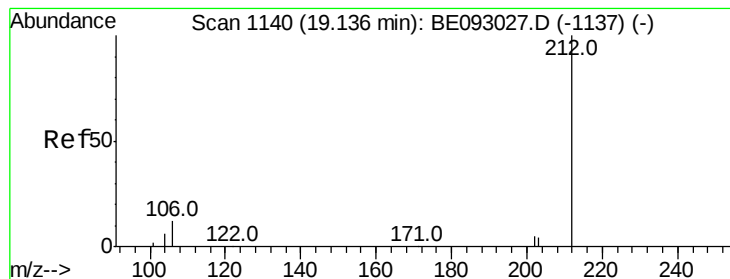
Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Tgt Ion:178 Resp: 14265  
 Ion Ratio Lower Upper  
 178 100  
 176 17.5 14.6 22.0  
 179 16.4 12.0 18.0





#25

Fluoranthene-d10

Concen: 1.52 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

Tot Ion:212 Resp: 18498

Ion Ratio Lower Upper

212 100

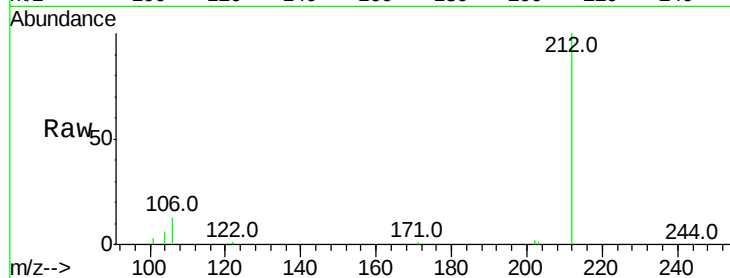
106 16.0 0.0 0.0#

104 8.8 0.0 0.0#

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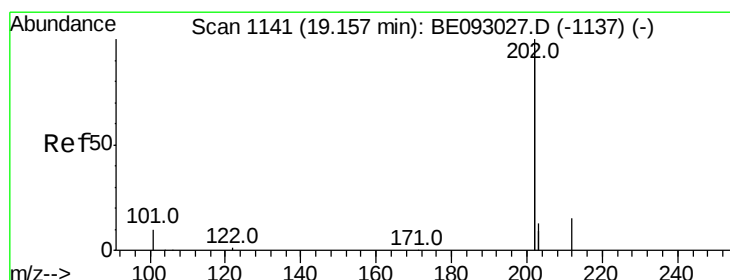
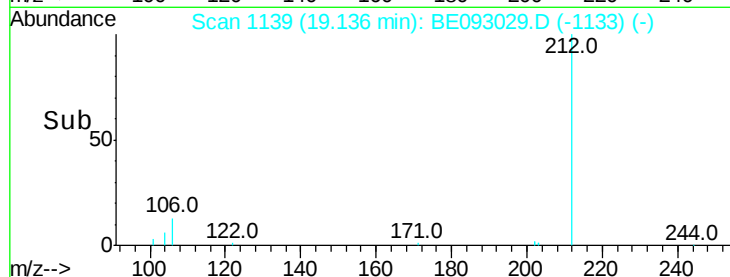
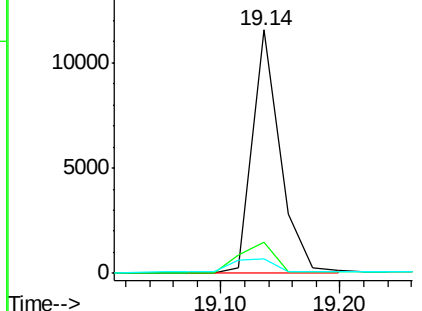
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Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.49 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

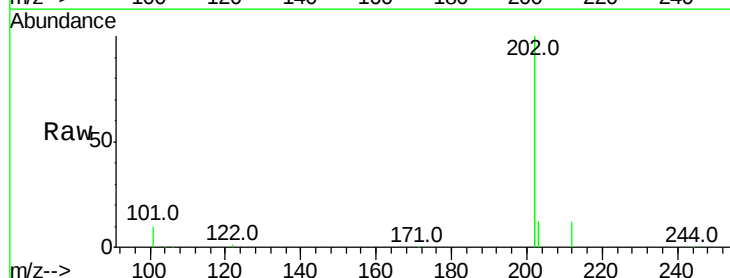
Tgt Ion:202 Resp: 88388

Ion Ratio Lower Upper

202 100

101 3.7 0.0 0.0#

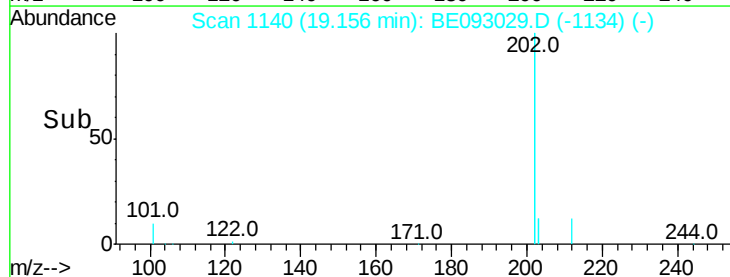
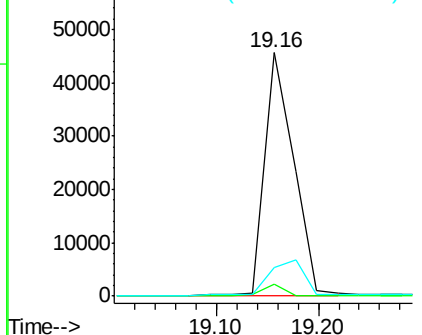
203 0.0 14.4 21.6#

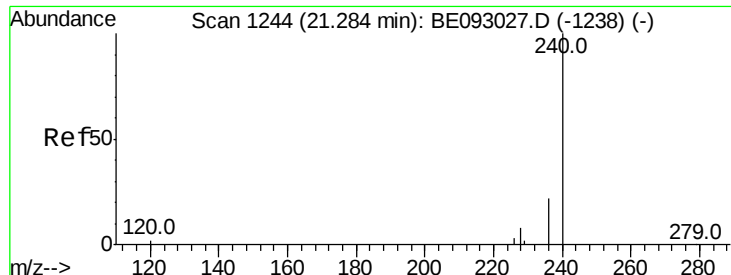


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





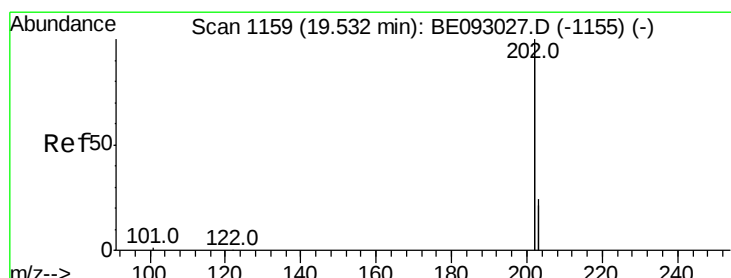
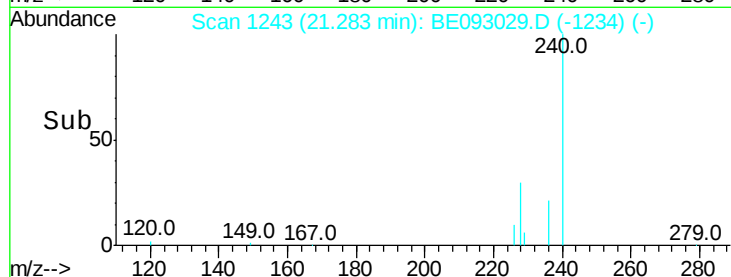
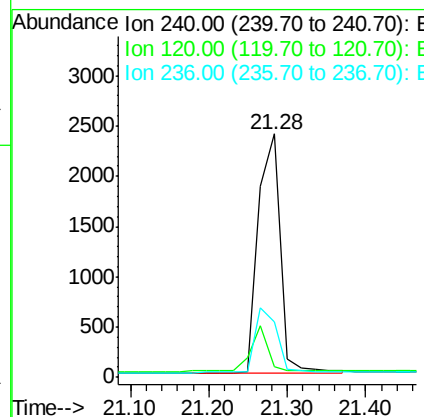
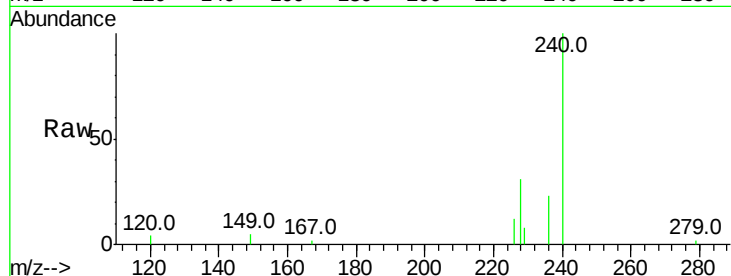
#27  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.28 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.2   | 4.6   | 7.0#  |
| 236     | 23.0  | 20.8  | 31.2  |

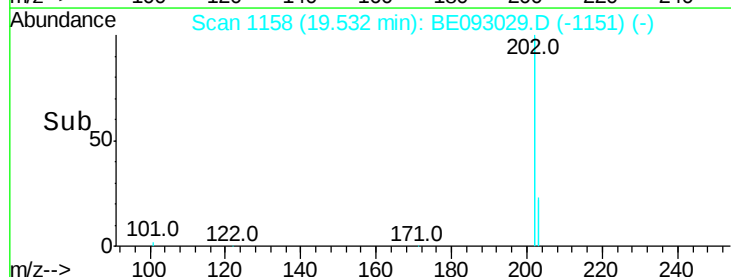
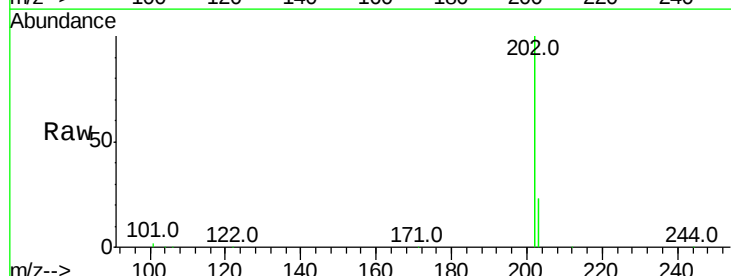
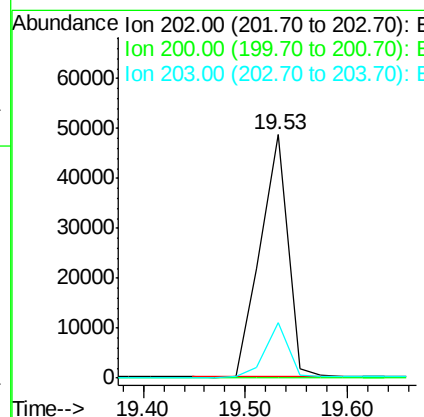
Manual Integrations  
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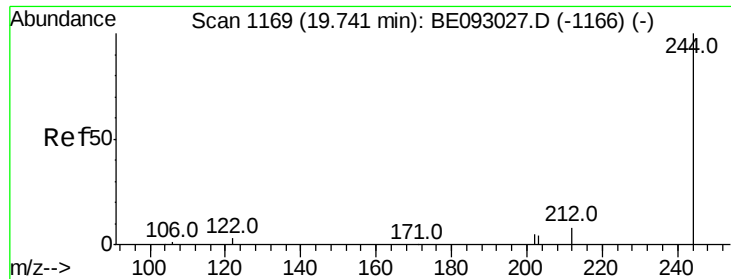
mohammad  
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#28  
Pyrene  
Concen: 1.55 ng  
RT: 19.53 min Scan# 1158  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 0.0   | 0.0   | 0.0   |
| 203     | 18.6  | 13.7  | 20.5  |





#29

Terphenyl-d14

Concen: 1.77 ng

RT: 19.74 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

Instrument :

BNA\_E

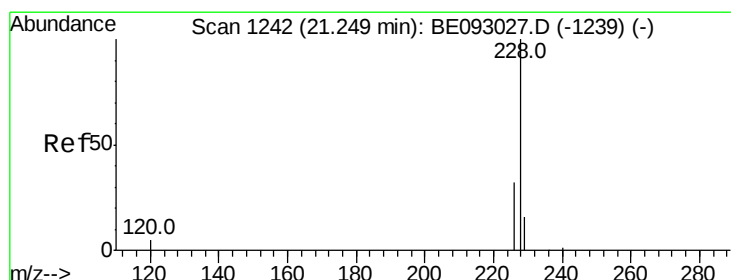
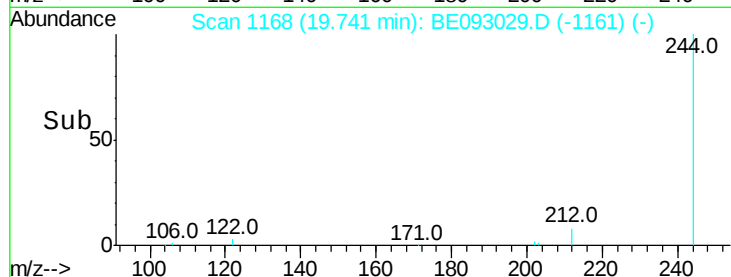
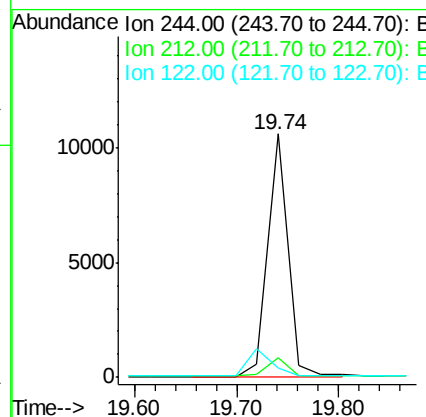
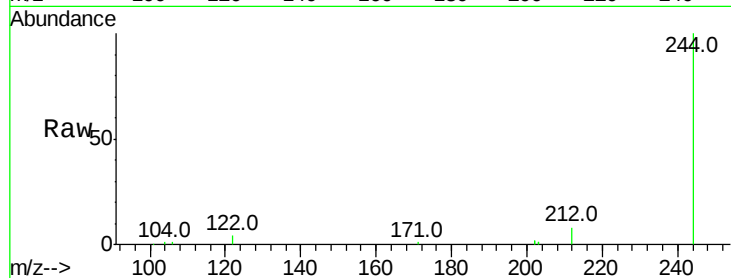
ClientSampled :

SSTDICC1.6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 14701 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 8.3   | 10.6  | 16.0# |
| 122       | 3.7   | 15.4  | 23.0# |

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#30

Benzo(a)anthracene

Concen: 1.84 ng

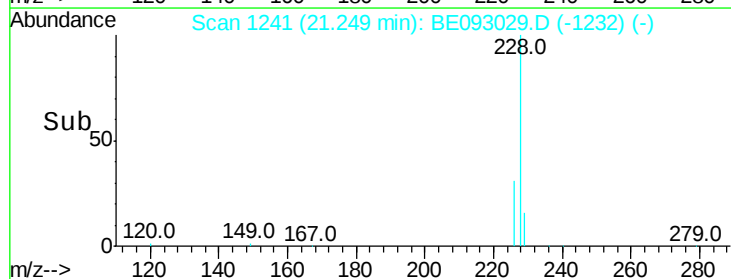
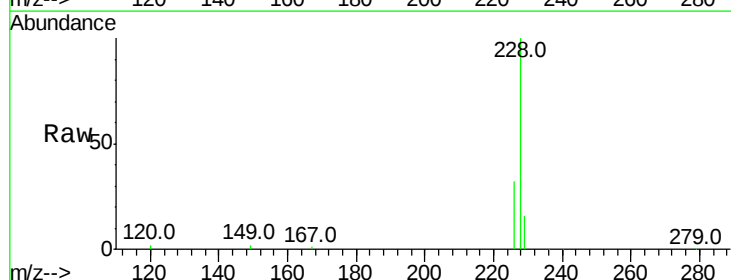
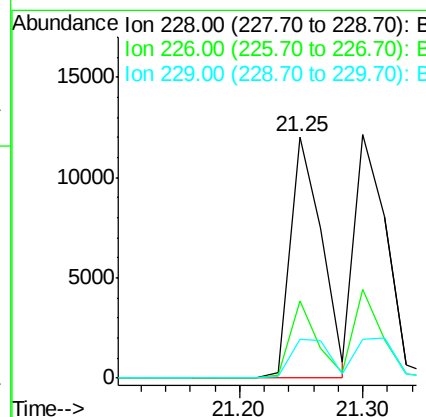
RT: 21.25 min Scan# 1241

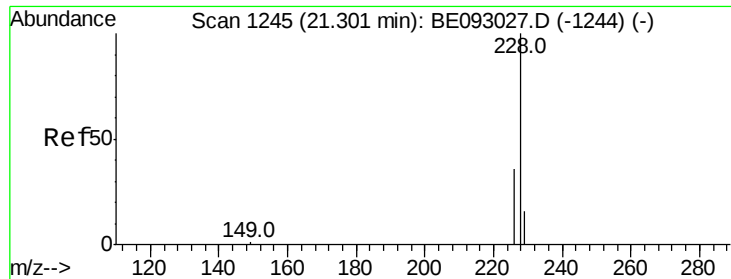
Delta R.T. -0.00 min

Lab File: BE093029.D

Acq: 15 May 2017 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 21145 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.8  | 19.7  | 29.5# |
| 229       | 16.2  | 19.2  | 28.8# |





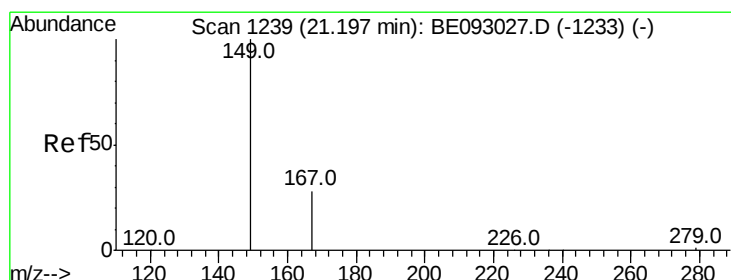
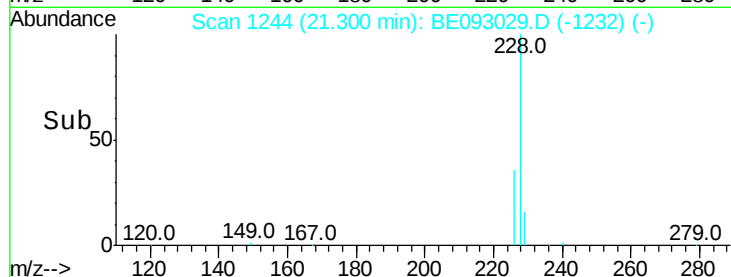
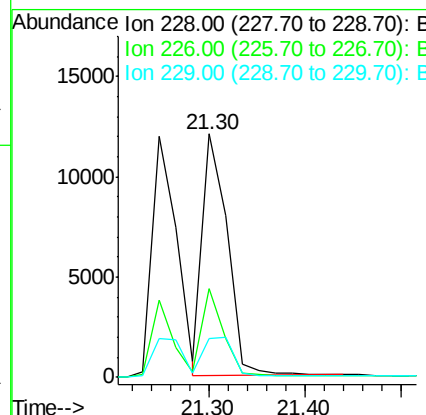
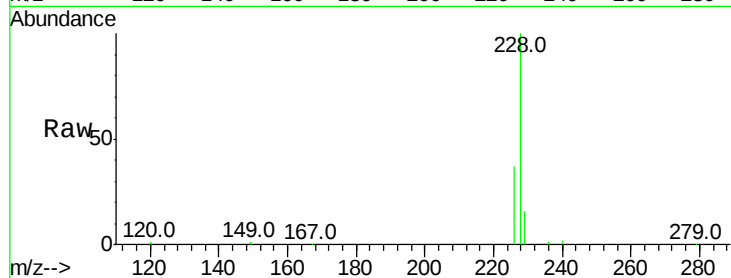
#31  
Chrysene  
Concen: 1.52 ng  
RT: 21.30 min Scan# 1244  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 36.6  | 21.5  | 32.3# |
| 229     | 15.9  | 18.6  | 28.0# |

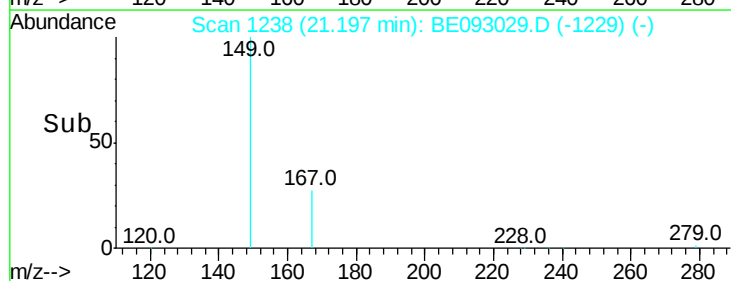
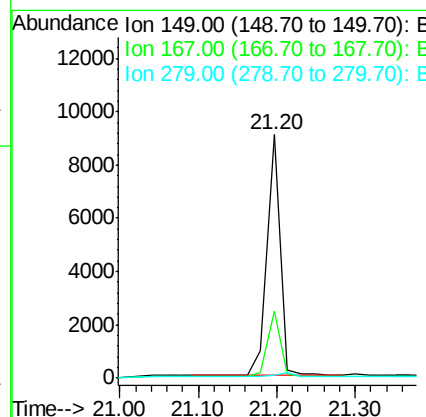
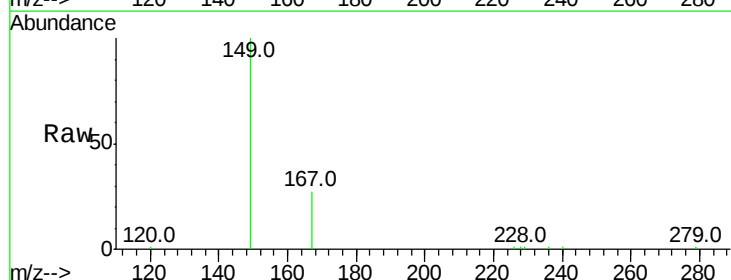
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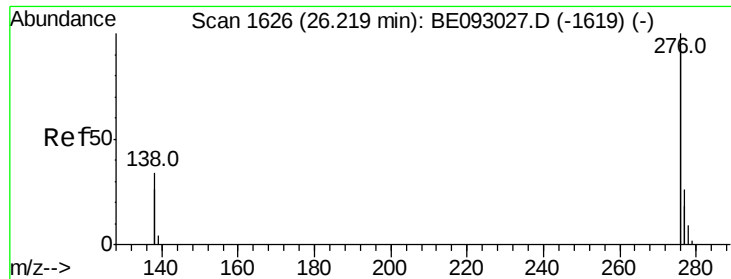
mohammad  
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#32  
Bis(2-ethylhexyl)phthalate  
Concen: 2.13 ng  
RT: 21.20 min Scan# 1238  
Delta R.T. -0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.2  | 20.1  | 30.1  |
| 279     | 2.1   | 2.2   | 3.4#  |





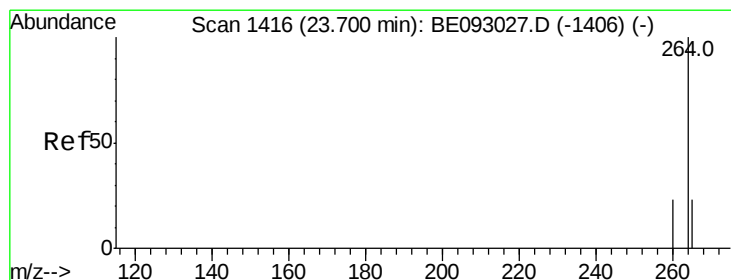
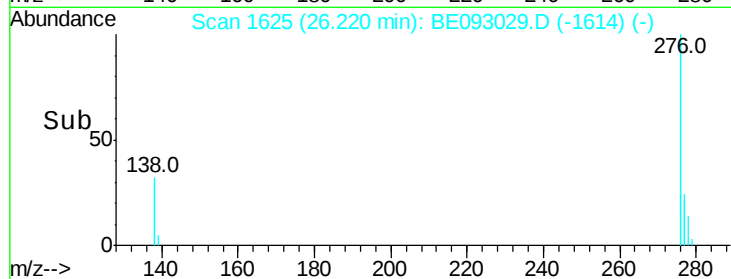
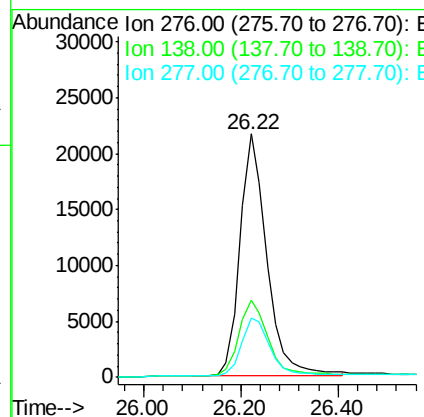
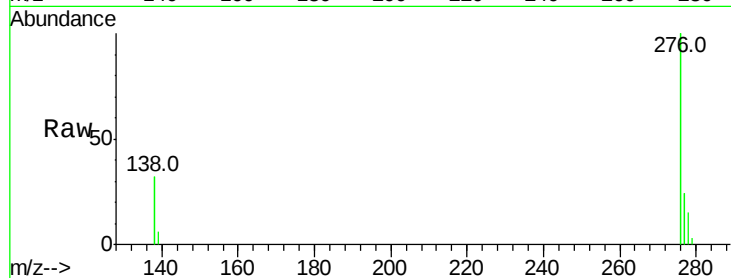
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 1.79 ng  
RT: 26.22 min Scan# 1625  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.4  | 27.4  | 41.2  |
| 277     | 25.0  | 20.1  | 30.1  |

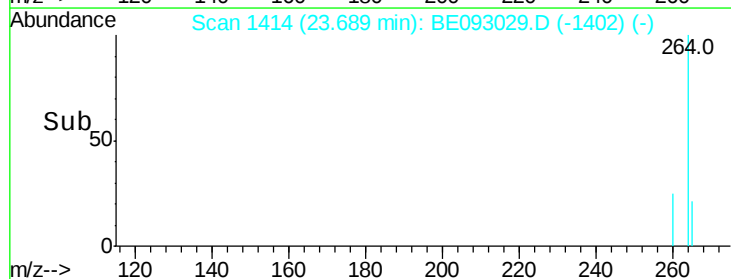
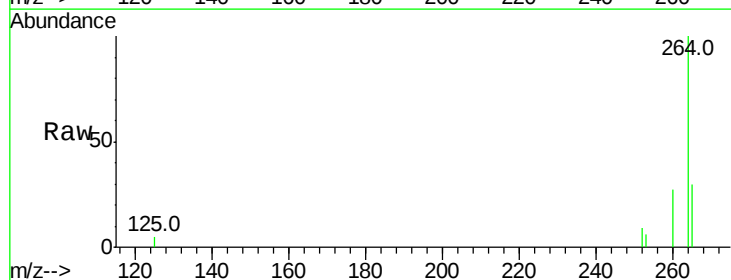
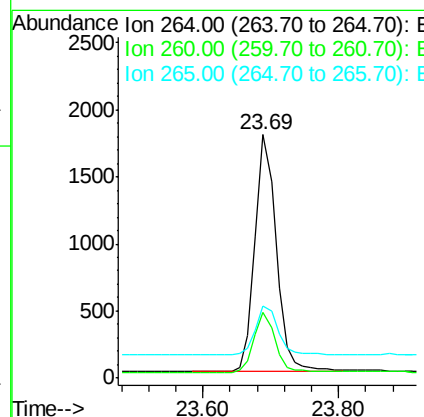
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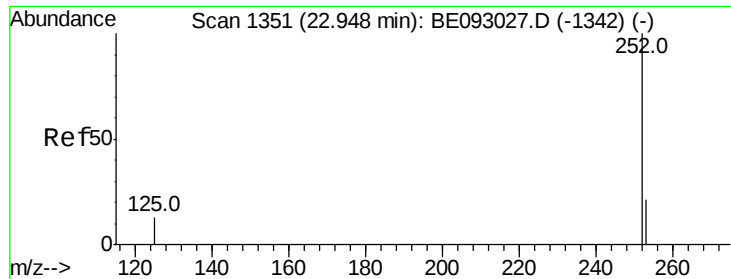
mohammad  
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#34  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.69 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.1  | 21.0  | 31.4  |
| 265     | 29.8  | 24.6  | 36.8  |





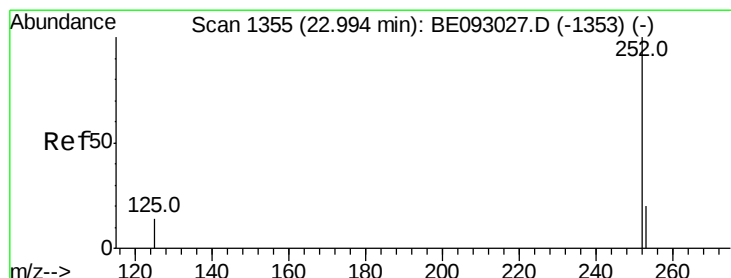
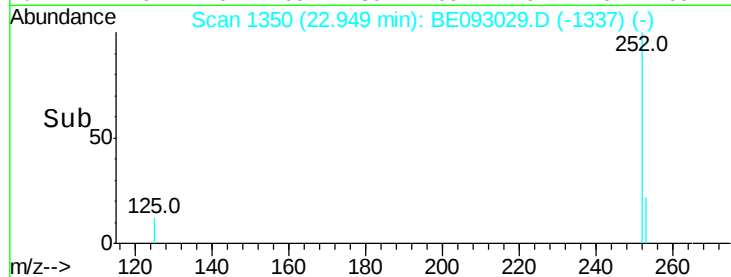
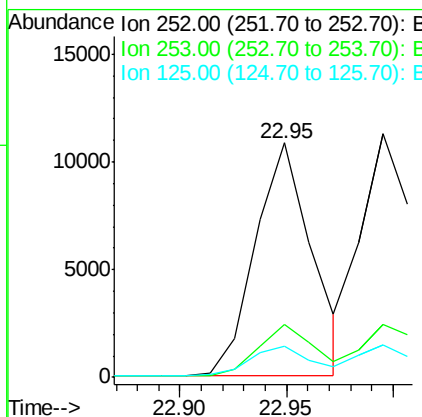
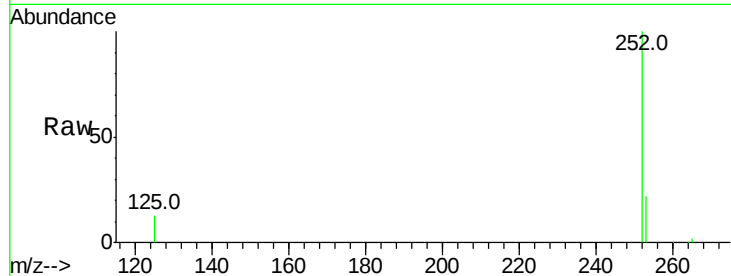
#35  
Benzo(b)fluoranthene  
Concen: 1.63 ng m  
RT: 22.95 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.5  | 27.7  |
| 125     | 13.1  | 13.4  | 20.0  |

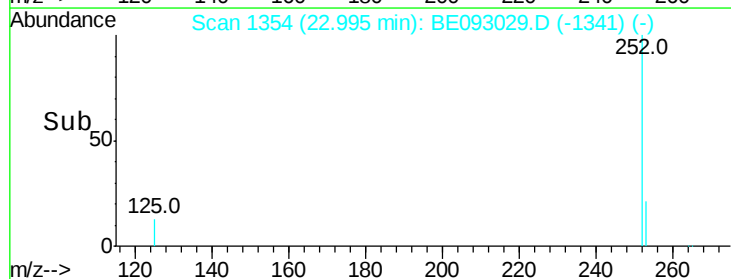
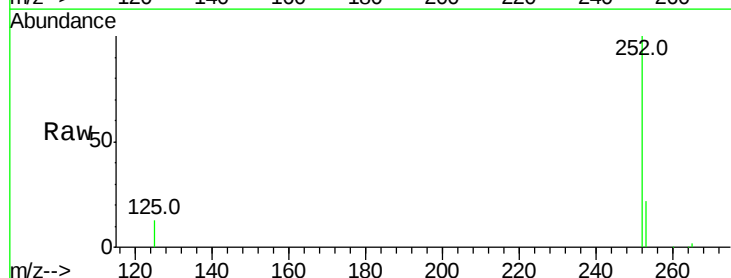
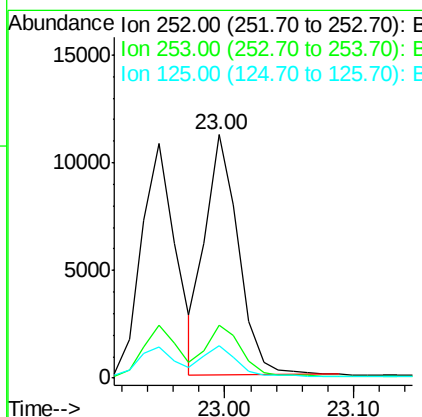
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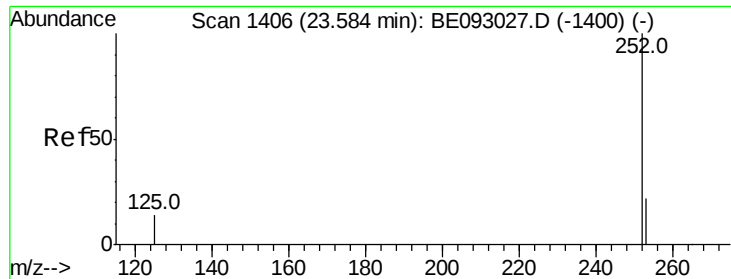
mohammad  
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#36  
Benzo(k)fluoranthene  
Concen: 1.61 ng  
RT: 23.00 min Scan# 1354  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 20.3  | 30.5  |
| 125     | 13.4  | 12.2  | 18.4  |





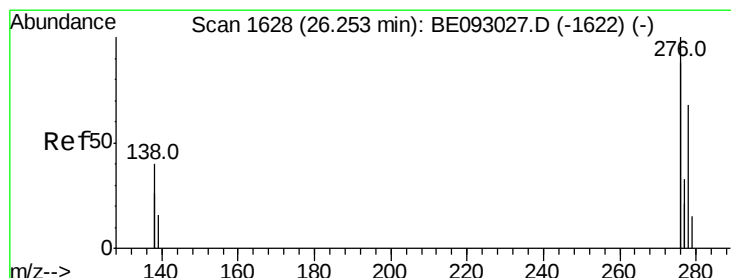
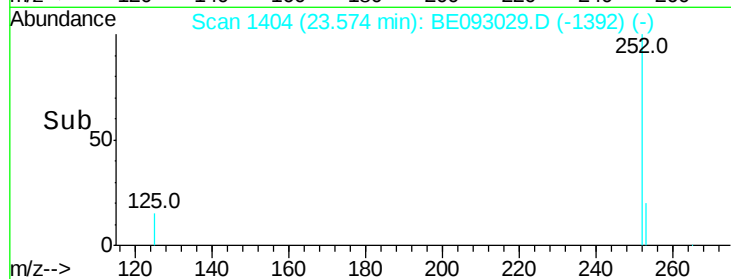
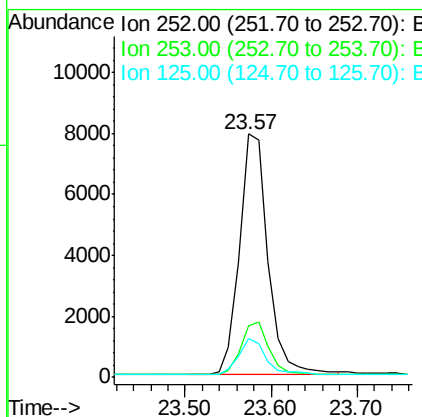
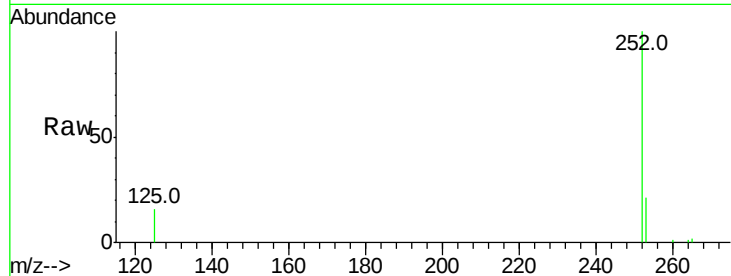
#37  
Benzo(a)pyrene  
Concen: 1.71 ng  
RT: 23.57 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 19.9  | 29.9  |
| 125     | 15.7  | 14.6  | 21.8  |

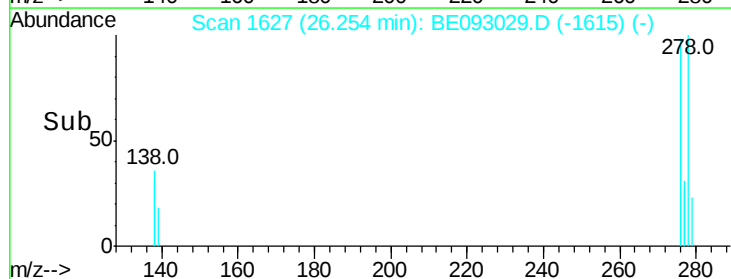
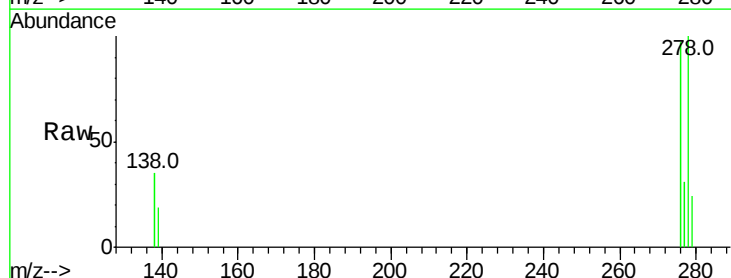
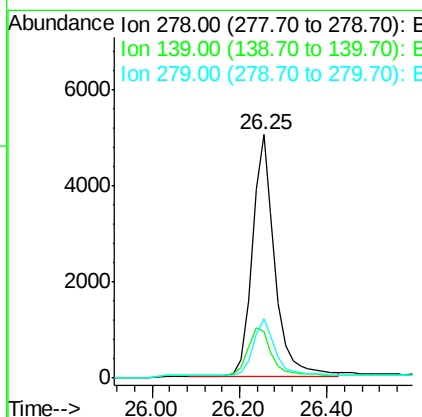
Manual Integrations  
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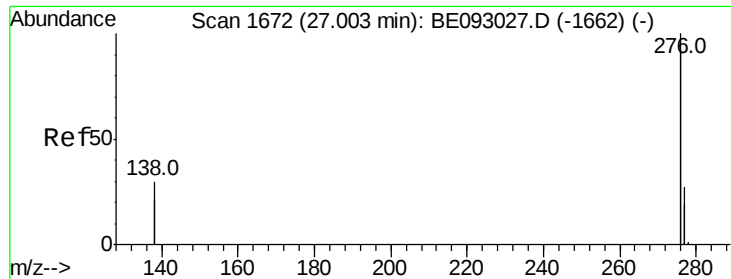
mohammad  
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#38  
Dibenzo(a,h)anthracene  
Concen: 1.82 ng  
RT: 26.25 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: BE093029.D  
Acq: 15 May 2017 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.1  | 21.4  | 32.0# |
| 279     | 24.2  | 22.2  | 33.2  |





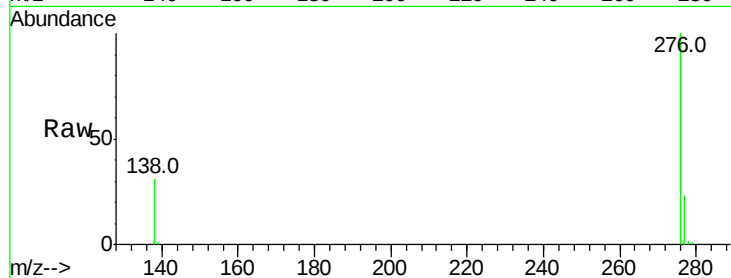
#39  
 Benzo(a,h,i)perylene  
 Concen: 1.68 ng  
 RT: 26.99 min Scan# 1670  
 Delta R.T. -0.02 min  
 Lab File: BE093029.D  
 Acq: 15 May 2017 11:38

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.6  | 21.2  | 31.8  |
| 138     | 30.8  | 24.5  | 36.7  |

Manual Integrations  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

