

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\  
 Data File : BE097069.D  
 Acq On : 24 Jul 2018 11:59  
 Operator : SJ/JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC3.2

Manual Integrations  
 APPROVED

Sohil  
 7/25/2018 2:39:12 PM

Quant Time: Jul 24 13:21:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 24 11:09:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 1238     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.15 | 136  | 6236     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.01 | 164  | 4029     | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 16.77 | 188  | 10363    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 20.98 | 240  | 11419    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.21 | 264  | 8871     | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.05  | 112  | 11697    | 3.95  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.59  | 99   | 18134    | 4.01  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.52  | 82   | 18901    | 4.16  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 31634    | 3.48  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 0.00  | 330  | 0d       | 0.00  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 46611    | 3.11  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 18.81 | 212  | 389510   | 4.32  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.43 | 244  | 73683    | 3.34  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 6263     | 3.534 | ng    | Qvalue # 86 |
| 3) n-Nitrosodimethylamine      | 3.37  | 42   | 7861     | 3.942 | ng    | # 91        |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 15393    | 3.471 | ng    | 98          |
| 9) Naphthalene                 | 10.20 | 128  | 186734   | 3.345 | ng    | 99          |
| 10) Hexachlorobutadiene        | 10.48 | 225  | 8354     | 3.702 | ng    | 98          |
| 12) 2-Methylnaphthalene        | 11.80 | 142  | 32975    | 3.483 | ng    | 99          |
| 16) Acenaphthylene             | 13.73 | 152  | 62292    | 3.385 | ng    | 100         |
| 17) Acenaphthene               | 14.08 | 154  | 36326    | 3.175 | ng    | 95          |
| 18) Fluorene                   | 15.08 | 166  | 48655    | 3.788 | ng    | # 79        |
| 20) 4-Bromophenyl-phenylether  | 15.97 | 248  | 17817    | 3.636 | ng    | # 85        |
| 21) Hexachlorobenzene          | 16.08 | 284  | 18292    | 3.361 | ng    | # 83        |
| 22) Pentachlorophenol          | 16.43 | 266  | 7051m    | 7.896 | ng    |             |
| 23) Phenanthrene               | 16.81 | 178  | 85944    | 3.463 | ng    | 99          |
| 24) Anthracene                 | 16.89 | 178  | 83125    | 3.849 | ng    | 96          |
| 26) Fluoranthene               | 18.84 | 202  | 104146   | 3.979 | ng    | 98          |
| 28) Pyrene                     | 19.20 | 202  | 103970   | 3.085 | ng    | 99          |
| 30) Benzo(a)anthracene         | 20.95 | 228  | 99577    | 3.662 | ng    | 97          |
| 31) Chrysene                   | 21.00 | 228  | 102617   | 3.364 | ng    | 97          |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 144275m  | 5.315 | ng    |             |
| 33) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 98268    | 4.423 | ng    | # 93        |
| 35) Benzo(b)fluoranthene       | 22.53 | 252  | 83807    | 3.702 | ng    | # 86        |
| 36) Benzo(k)fluoranthene       | 22.58 | 252  | 97808    | 3.632 | ng    | 97          |
| 37) Benzo(a)pyrene             | 23.11 | 252  | 80531    | 3.976 | ng    | # 92        |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278  | 82232    | 4.973 | ng    | # 93        |
| 39) Benzo(g,h,i)perylene       | 26.19 | 276  | 82773    | 4.497 | ng    | # 89        |

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

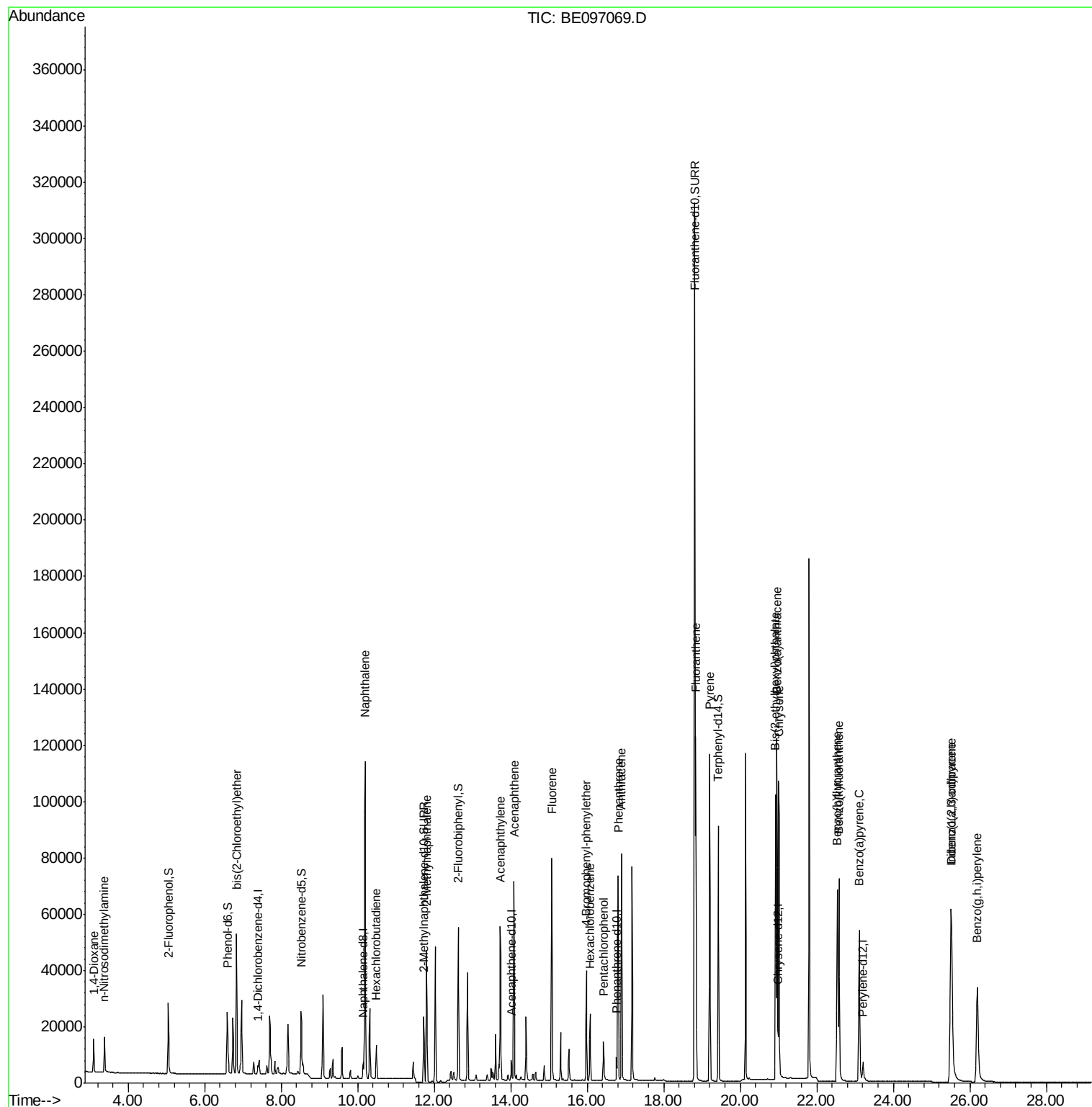
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\  
Data File : BE097069.D  
Acq On : 24 Jul 2018 11:59  
Operator : SJ/JU  
Sample : SSTDIC3.2  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

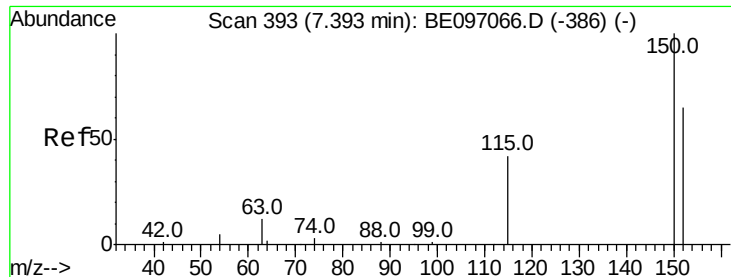
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC3.2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 24 11:09:08 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

ClientSampled :

SSTDICC3.2

Tot Ion:152 Resp: 1238

Ion Ratio Lower Upper

152 100

150 154.9 117.2 175.8

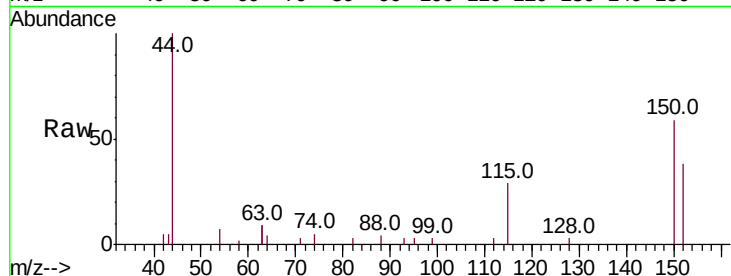
115 75.3 57.0 85.6

Manual Integrations

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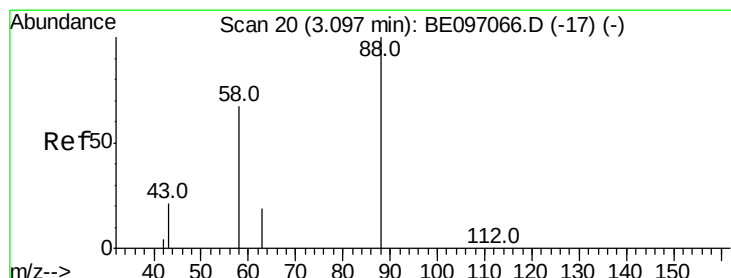
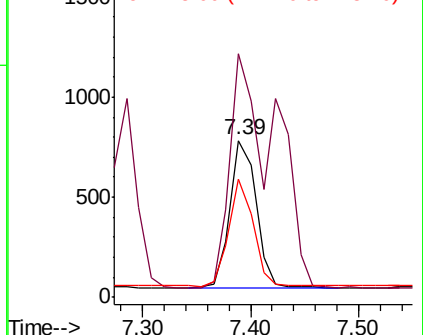
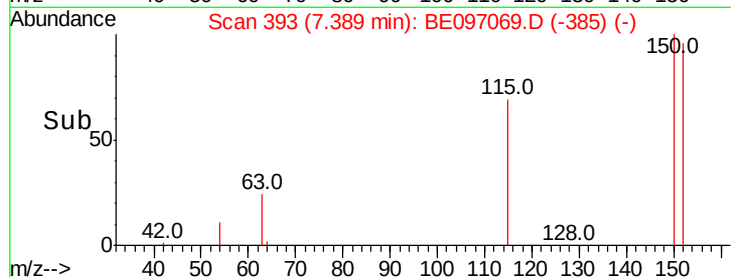
7/25/2018 2:39:12 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.534 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

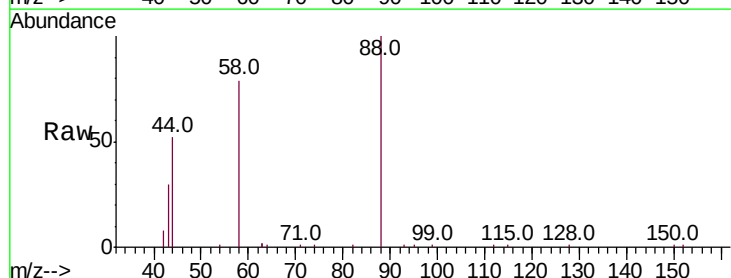
Tgt Ion: 88 Resp: 6263

Ion Ratio Lower Upper

88 100

58 84.5 63.2 94.8

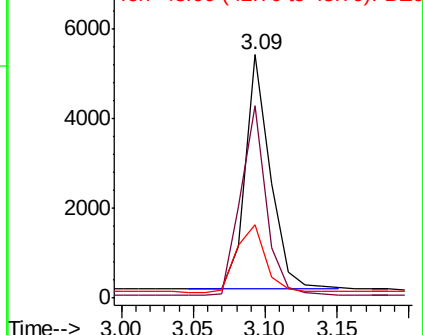
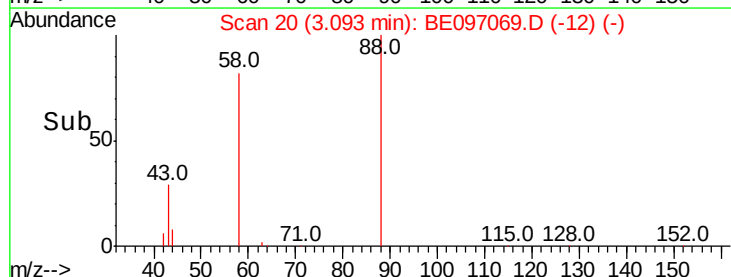
43 33.7 41.2 61.8#

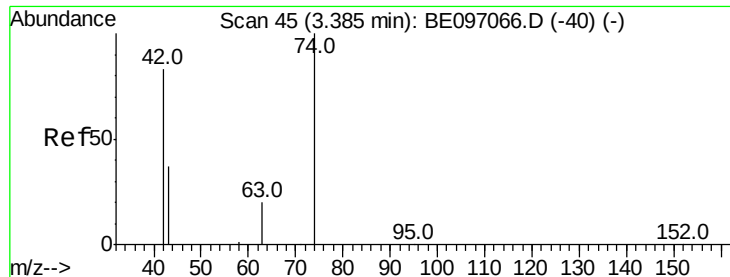


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





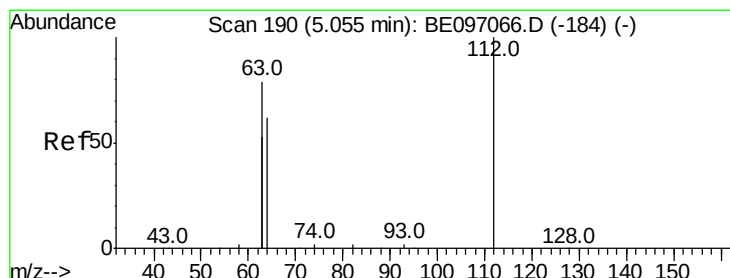
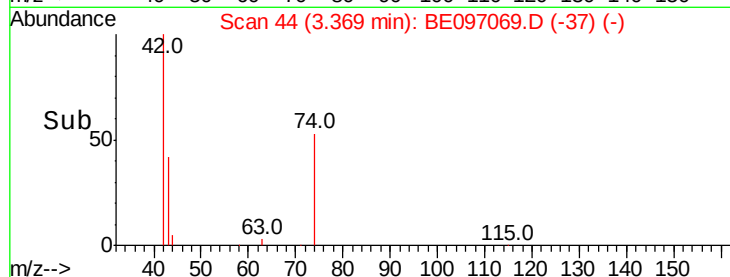
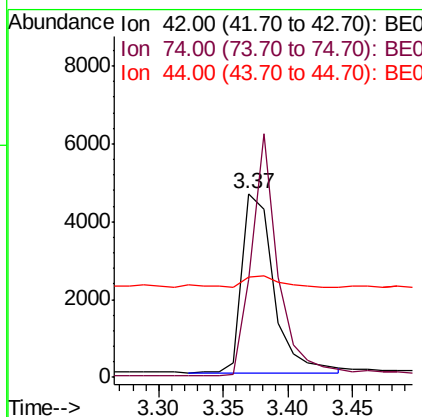
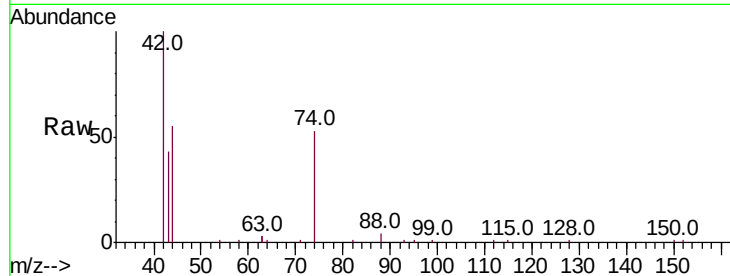
#3  
n-Nitrosodimethylamine  
Concen: 3.942 ng  
RT: 3.37 min Scan# 44  
Delta R.T. -0.02 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 111.7 | 96.0  | 144.0 |
| 44      | 6.8   | 12.0  | 18.0# |

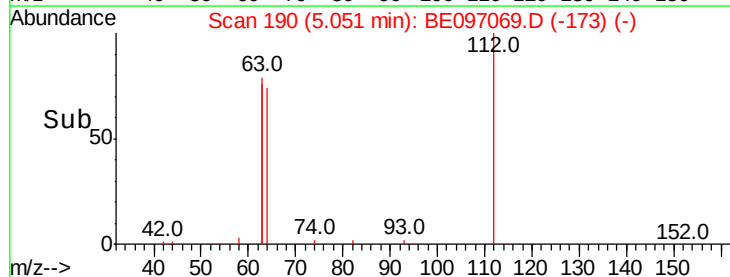
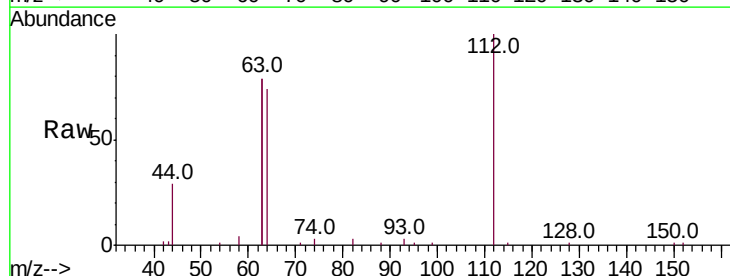
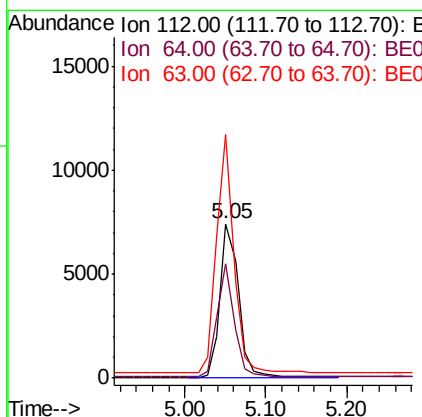
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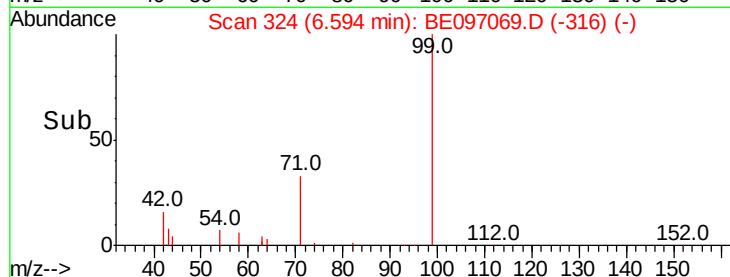
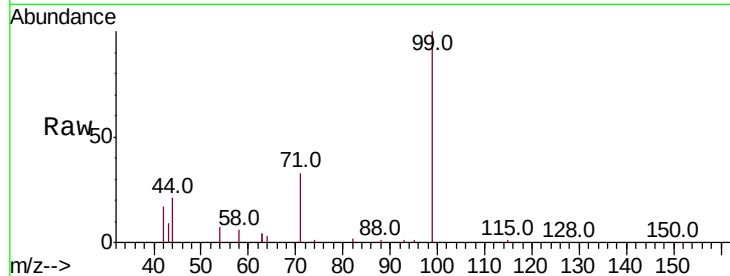
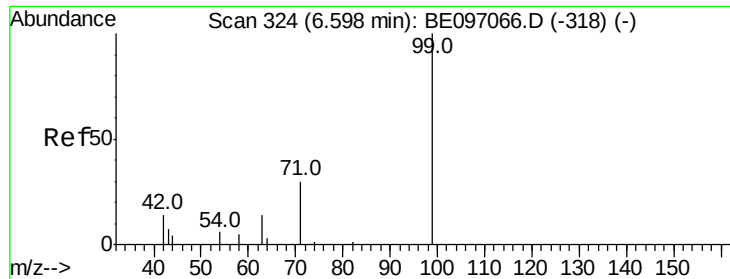
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#4  
2-Fluorophenol  
Concen: 3.950 ng  
RT: 5.05 min Scan# 190  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.0  | 60.1  | 90.1  |
| 63      | 146.6 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 4.012 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 18134 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 23.8  | 20.2  | 30.2  |
| 71       | 35.5  | 28.4  | 42.6  |

Instrument :

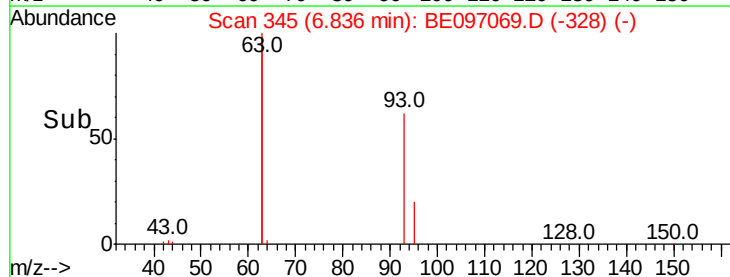
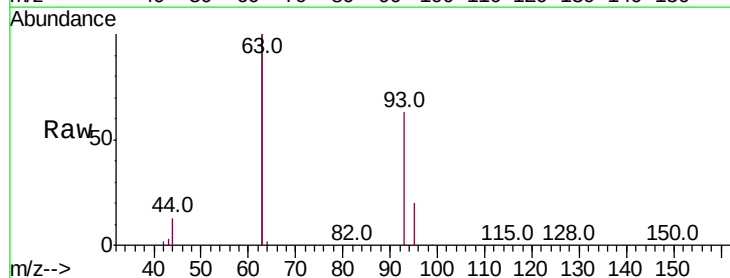
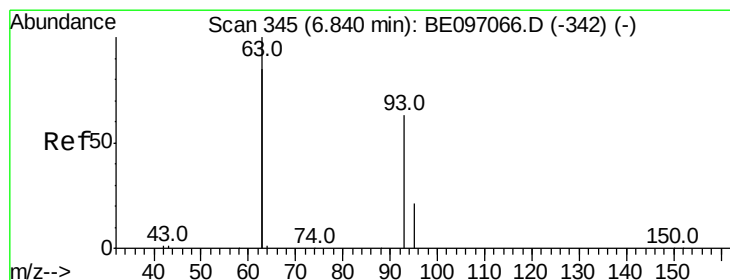
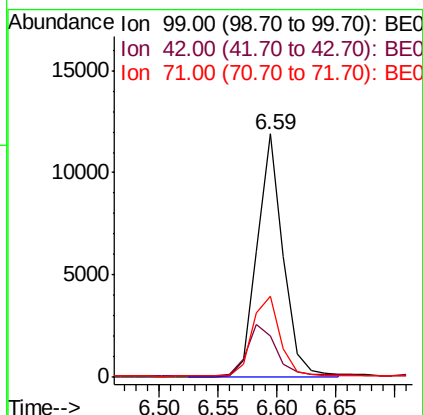
BNA\_E

ClientSampleId :

SSTDICC3.2

Manual Integrations  
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#6

bis(2-Chloroethyl)ether

Concen: 3.471 ng

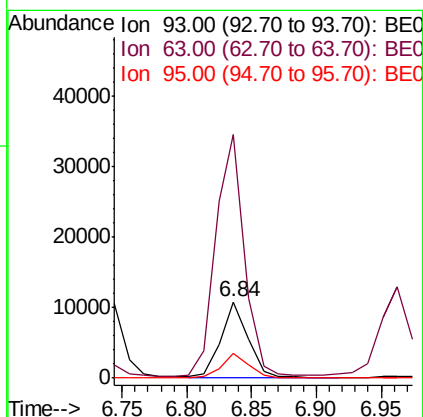
RT: 6.84 min Scan# 345

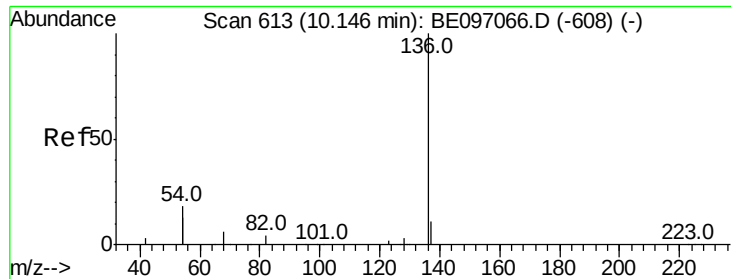
Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 15393 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 340.6 | 275.3 | 412.9 |
| 95       | 32.3  | 25.2  | 37.8  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

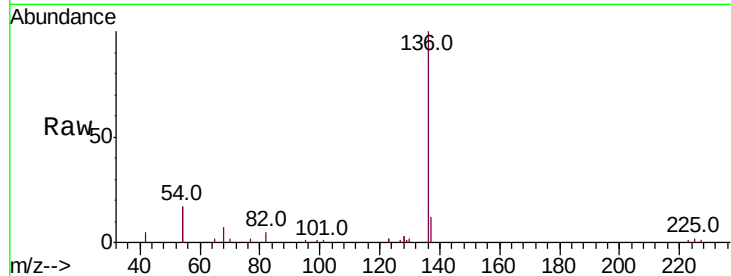
ClientSampleId :

SSTDICC3.2

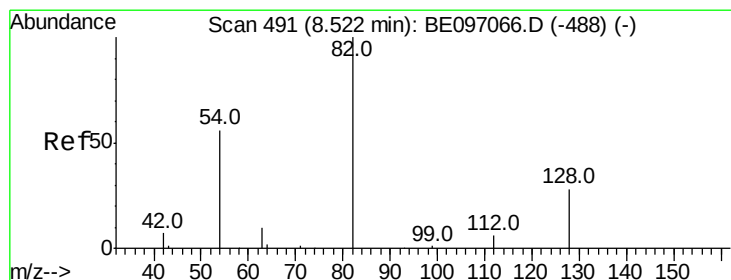
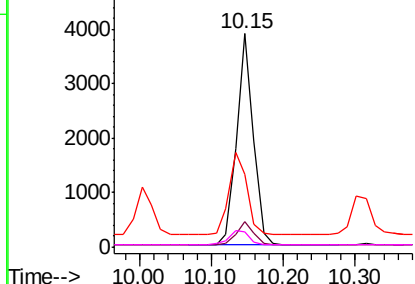
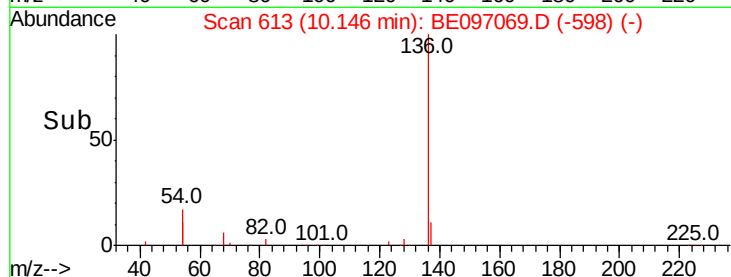
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.1  | 9.5   | 14.3  |
| 54      | 34.0  | 29.1  | 43.7  |
| 68      | 7.0   | 6.2   | 9.2   |

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Abundance Ion 136.00 (135.70 to 136.70): E  
6000  
Ion 137.00 (136.70 to 137.70): E  
5000  
Ion 54.00 (53.70 to 54.70): BE0  
4000  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 4.156 ng

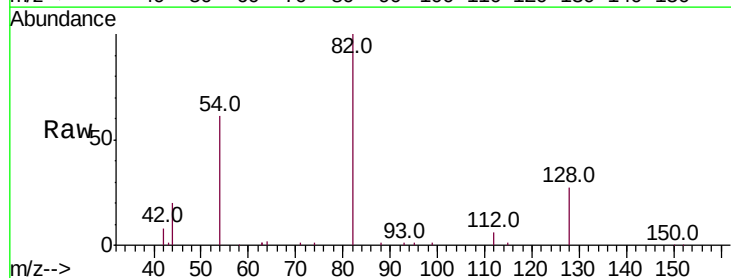
RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

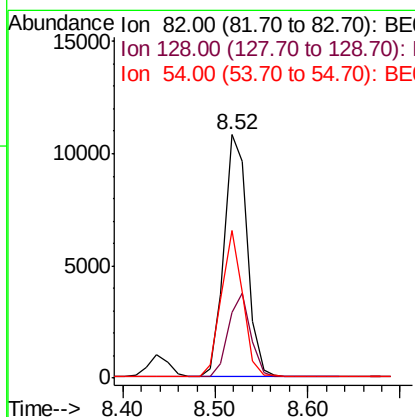
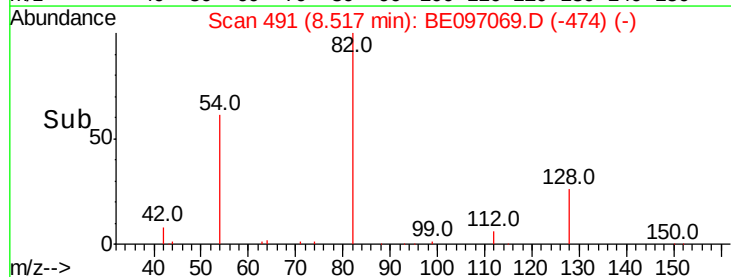
Lab File: BE097069.D

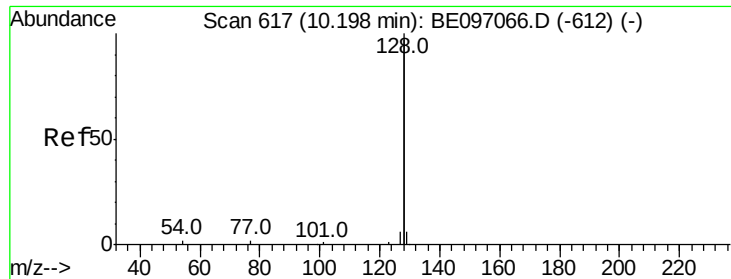
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 26.8  | 24.0  | 36.0  |
| 54      | 60.8  | 40.0  | 60.0# |



Abundance Ion 82.00 (81.70 to 82.70): BE0  
15000  
Ion 128.00 (127.70 to 128.70): E  
10000  
Ion 54.00 (53.70 to 54.70): BE0





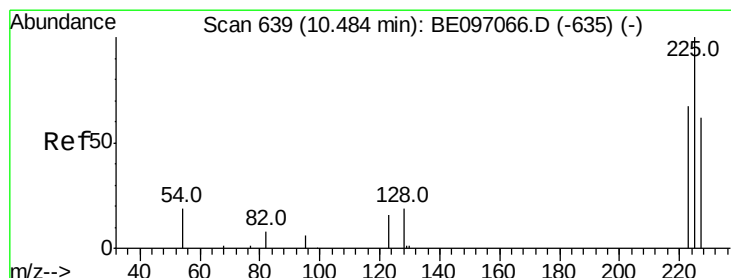
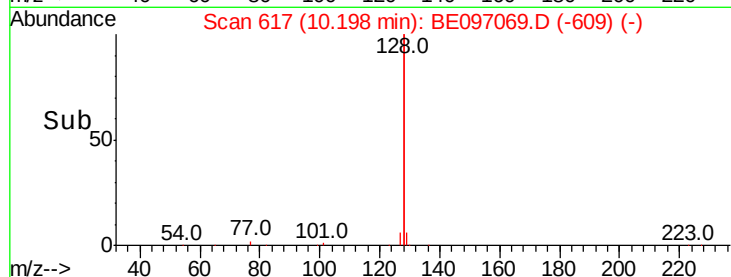
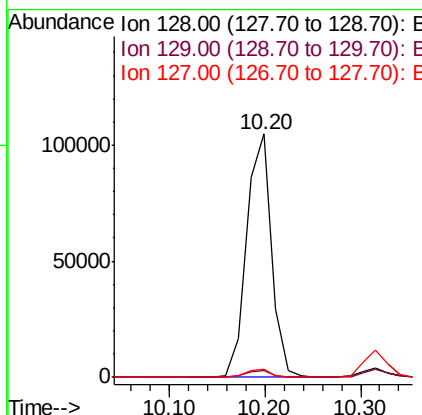
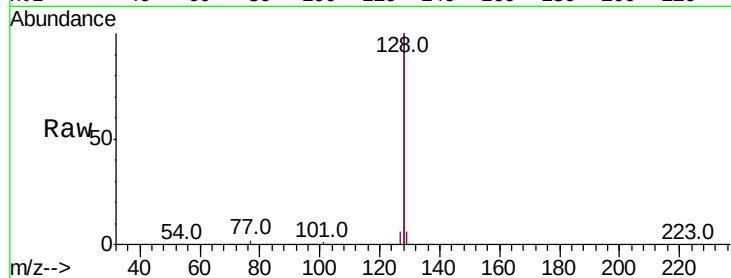
#9  
Naphthalene  
Concen: 3.345 ng  
RT: 10.20 min Scan# 617  
Delta R.T. 0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 2.8   | 2.6   | 3.8   |
| 127     | 3.2   | 2.8   | 4.2   |

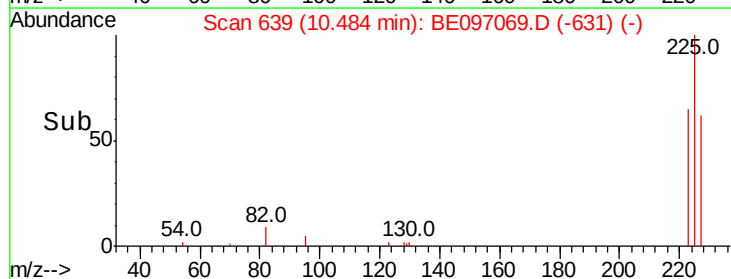
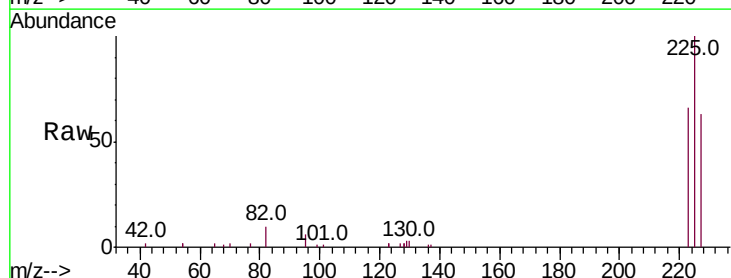
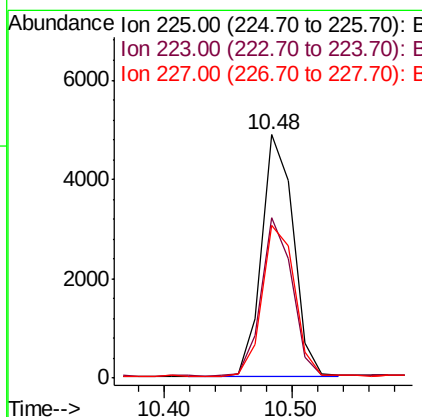
Manual Integrations  
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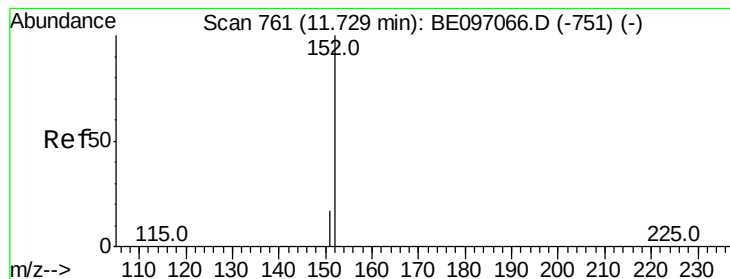
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#10  
Hexachlorobutadiene  
Concen: 3.702 ng  
RT: 10.48 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 53.0  | 79.6  |
| 227     | 63.6  | 51.4  | 77.2  |





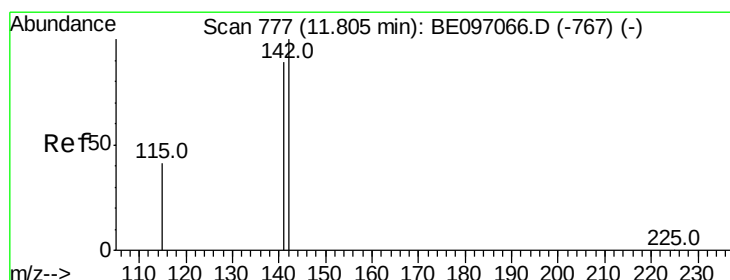
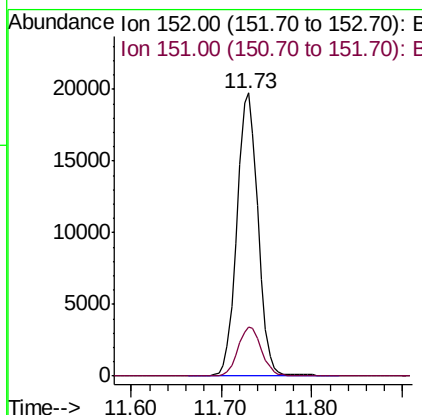
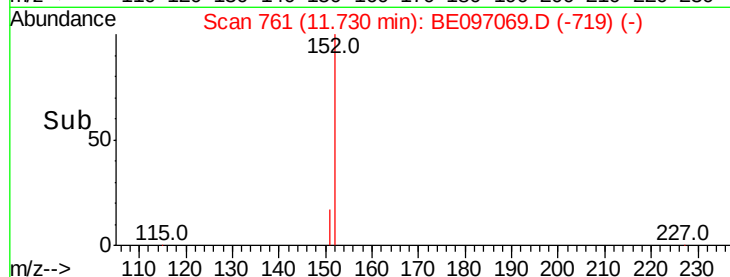
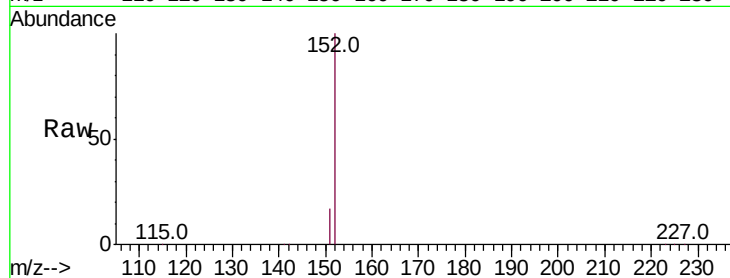
#11  
 2-Methylnaphthalene-d10  
 Concen: 3.481 ng  
 RT: 11.73 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.0  | 15.4  | 23.0  |

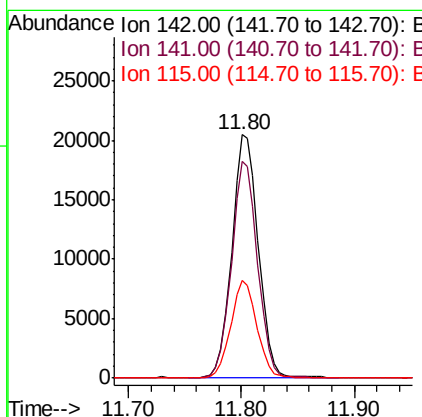
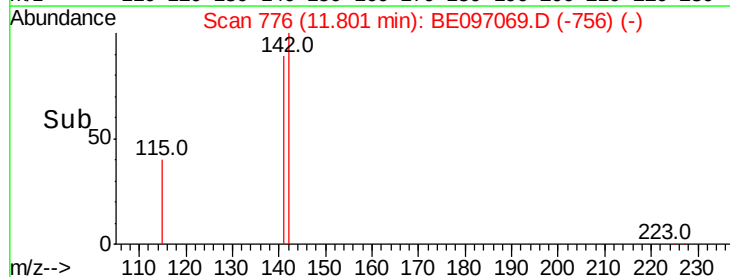
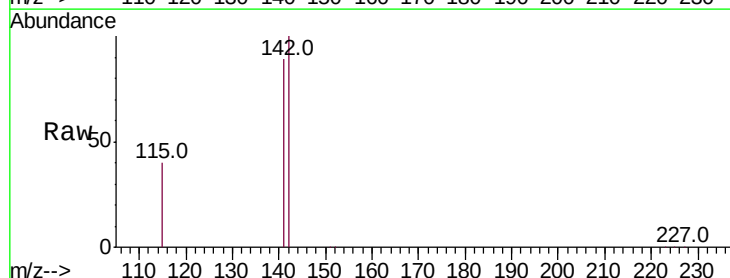
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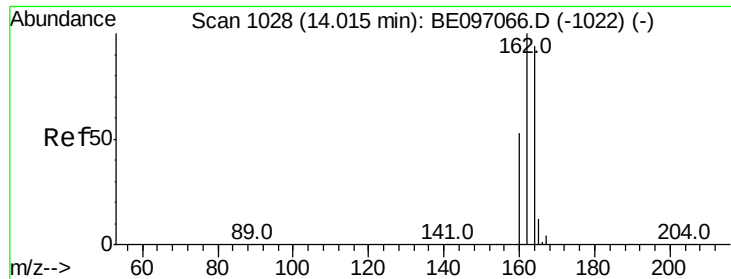


#12  
 2-Methylnaphthalene  
 Concen: 3.483 ng  
 RT: 11.80 min Scan# 776  
 Delta R.T. -0.00 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 70.4  | 105.6 |
| 115     | 39.9  | 31.7  | 47.5  |







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

Tot Ion:164 Resp: 4029

Ion Ratio Lower Upper

164 100

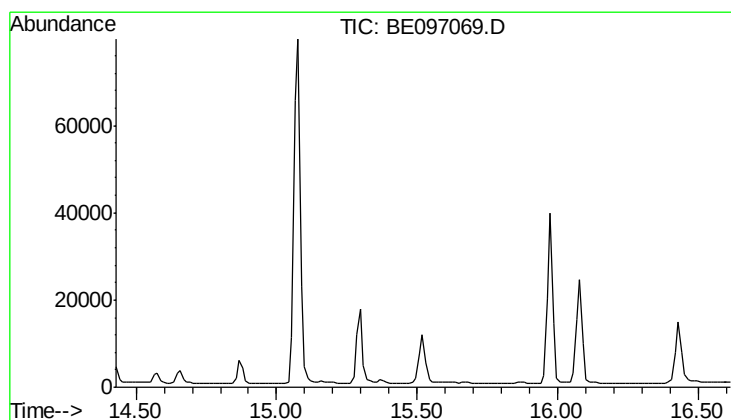
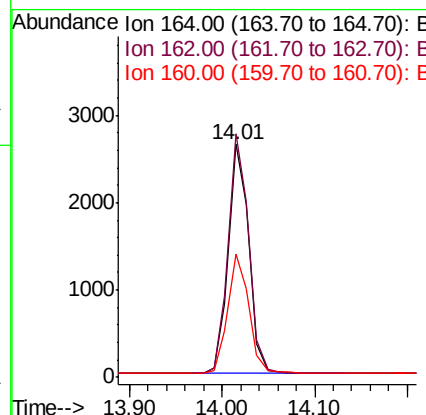
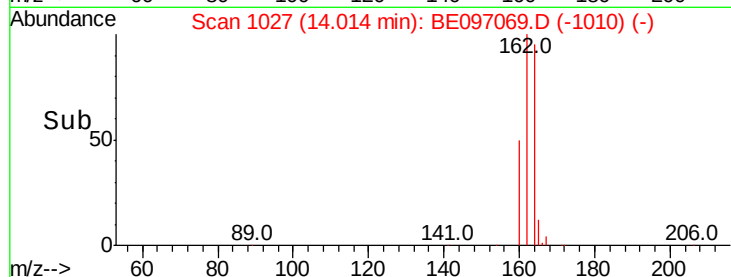
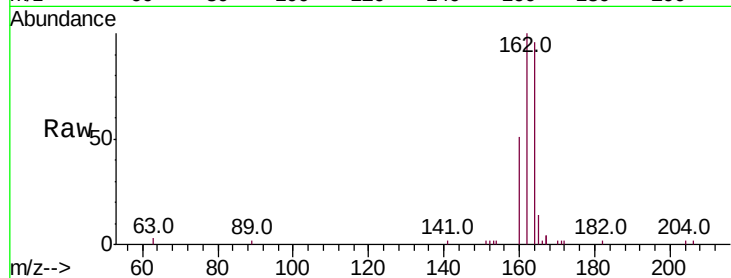
162 104.5 83.1 124.7

160 52.9 37.1 55.7

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#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.52 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

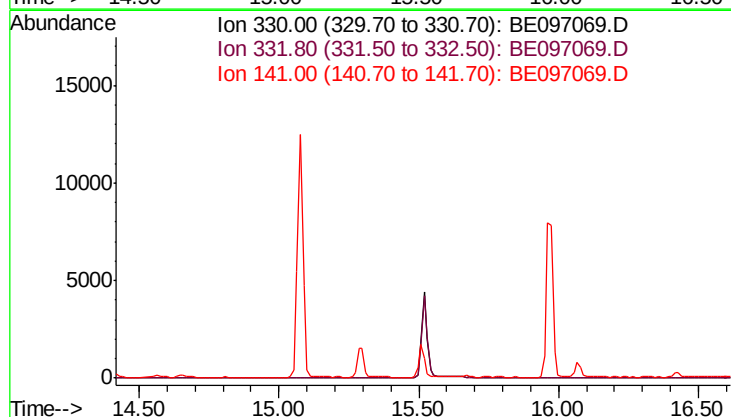
Tgt Ion: 330

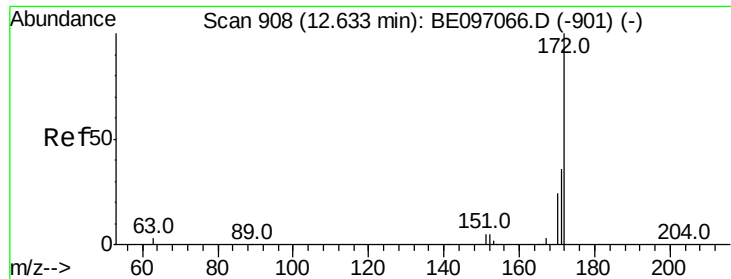
Sig Exp Ratio

330 100

332 190.9

141 42.1





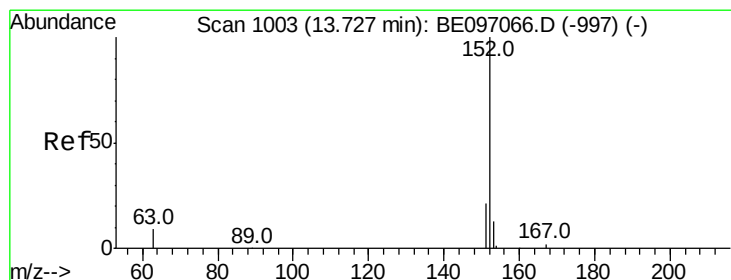
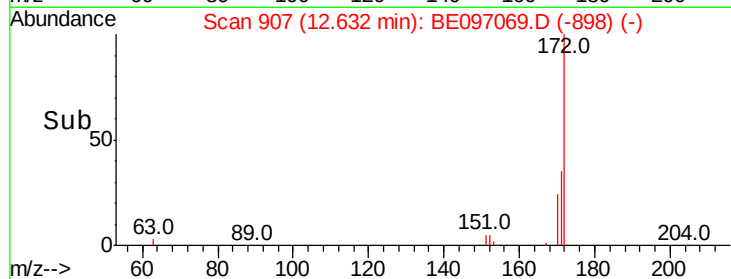
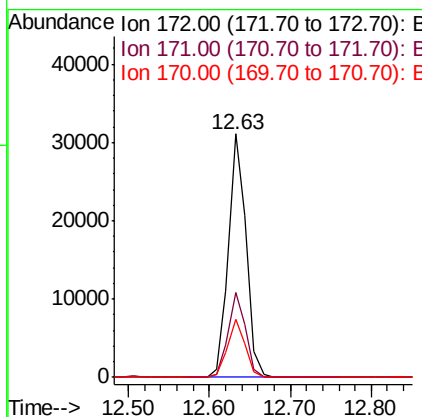
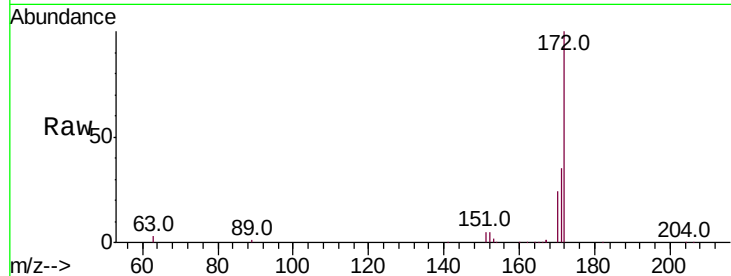
#15  
2-Fluorobiphenyl  
Concen: 3.110 ng  
RT: 12.63 min Scan# 907  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.9  | 44.9  |
| 170     | 24.0  | 21.8  | 32.8  |

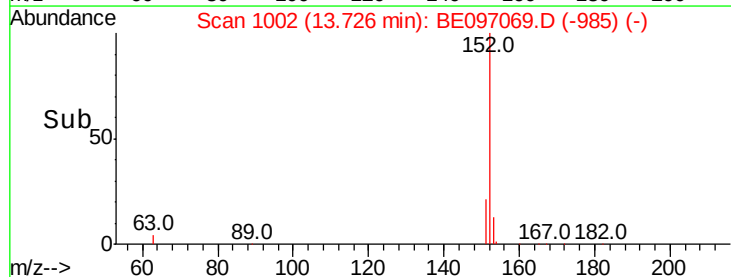
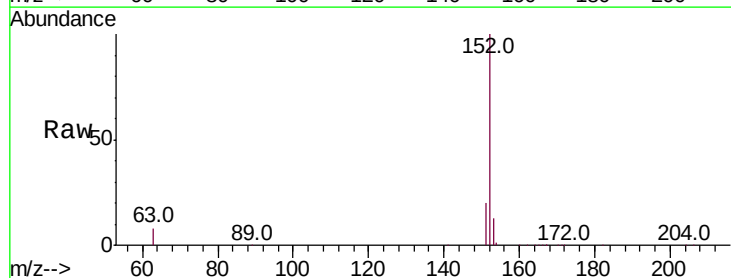
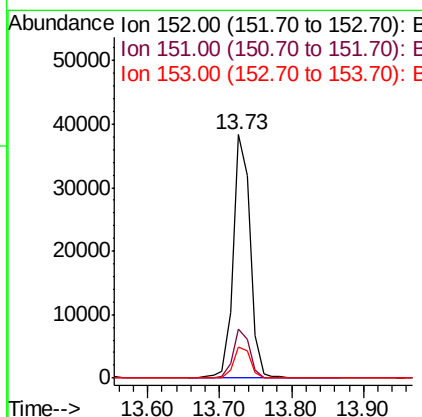
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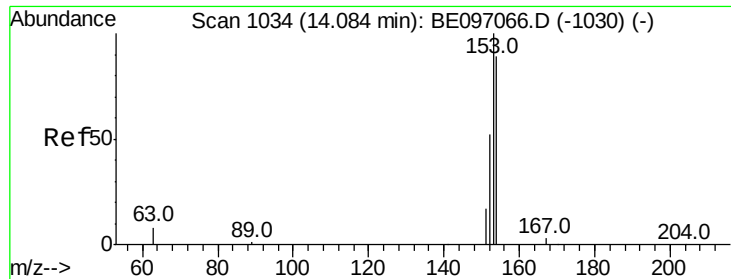
Sohil  
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#16  
Acenaphthylene  
Concen: 3.385 ng  
RT: 13.73 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.7  | 23.5  |
| 153     | 13.1  | 10.5  | 15.7  |





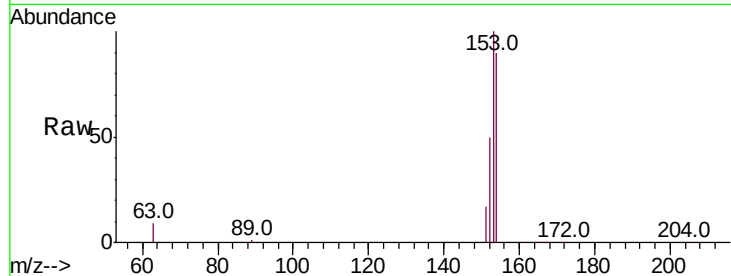
#17  
Acenaphthene  
Concen: 3.175 ng  
RT: 14.08 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

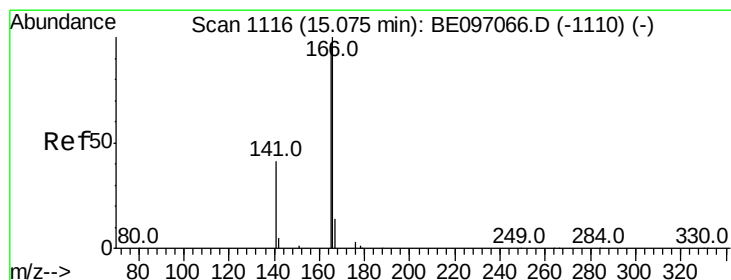
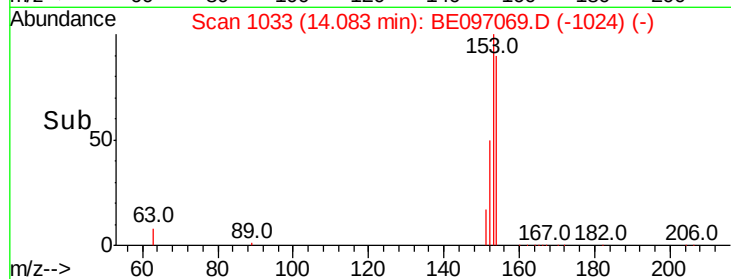
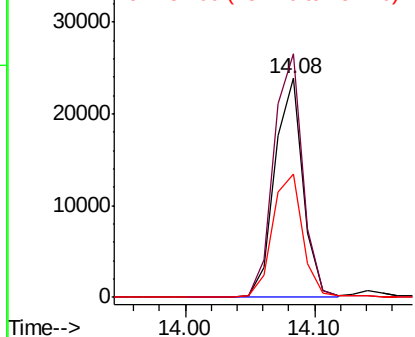
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.0 | 89.2  | 133.8 |
| 152     | 59.8  | 42.0  | 63.0  |

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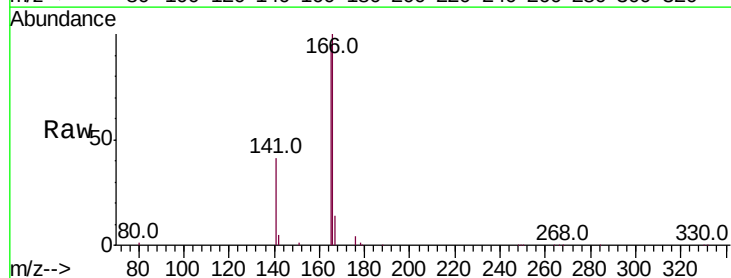


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

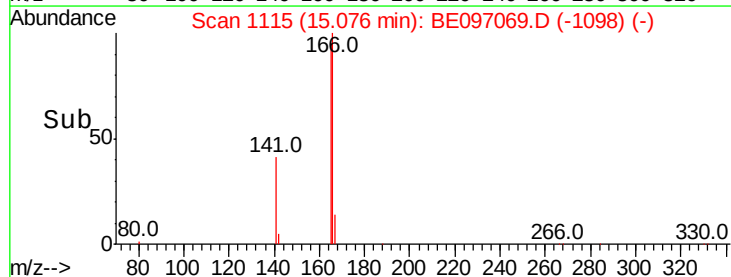
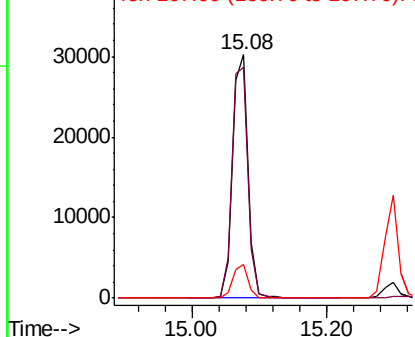


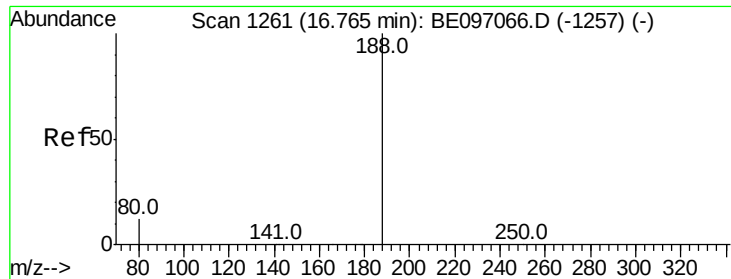
#18  
Fluorene  
Concen: 3.788 ng  
RT: 15.08 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.7  | 77.8  | 116.6 |
| 167     | 13.5  | 42.4  | 63.6# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097069.D

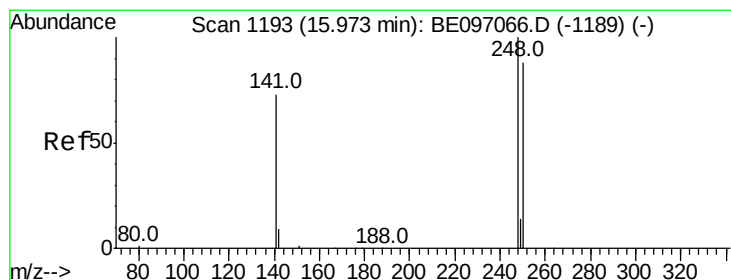
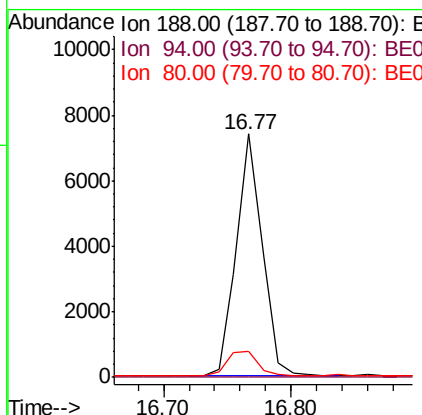
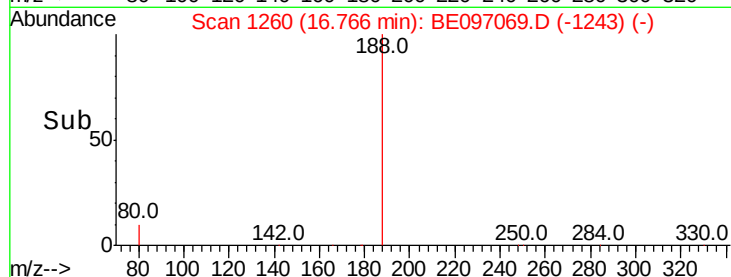
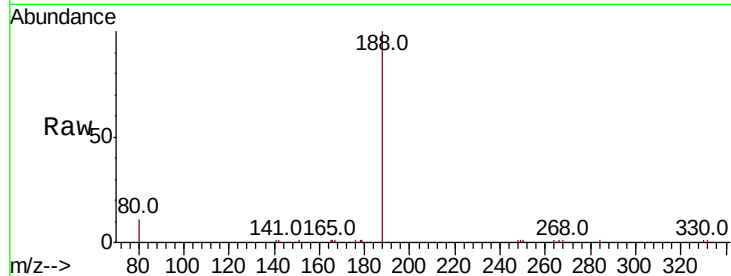
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 10.9  | 3.6   | 5.4#  |

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#20

4-Bromophenyl-phenylether

Concen: 3.636 ng

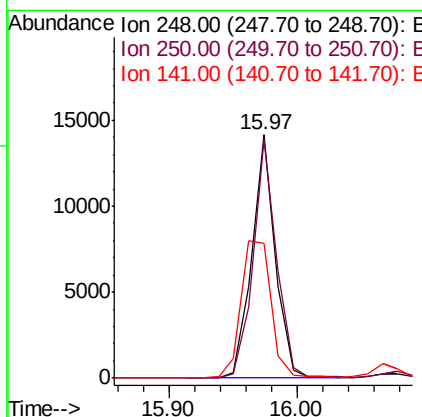
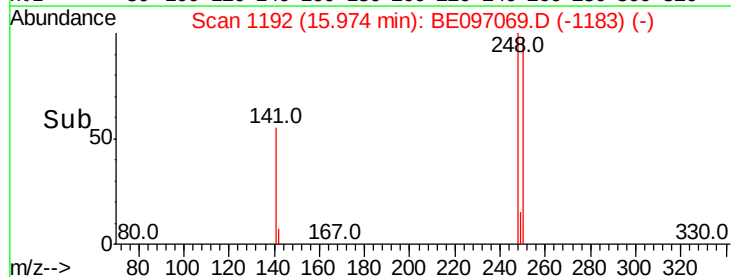
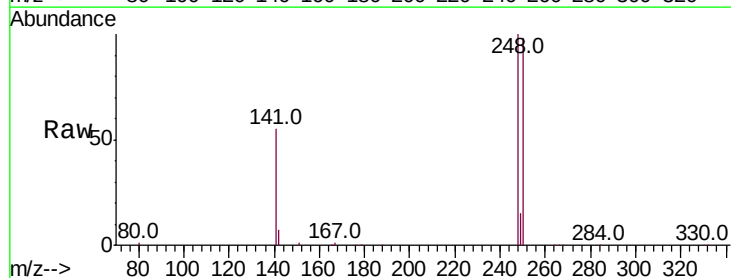
RT: 15.97 min Scan# 1192

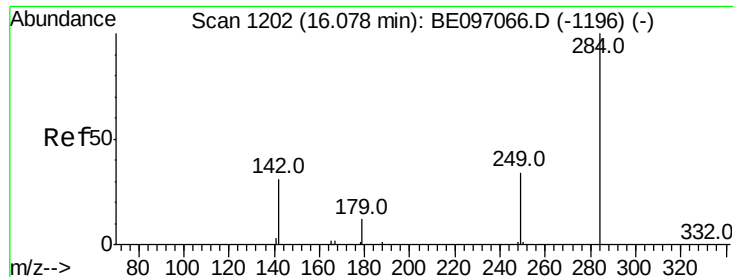
Delta R.T. 0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.7  | 62.7  | 94.1# |
| 141     | 55.4  | 48.2  | 72.2  |





#21

Hexachlorobenzene

Concen: 3.361 ng

RT: 16.08 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

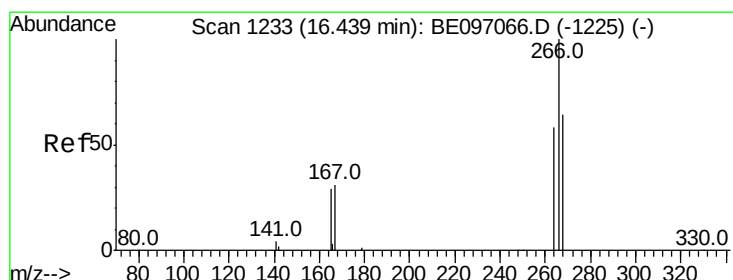
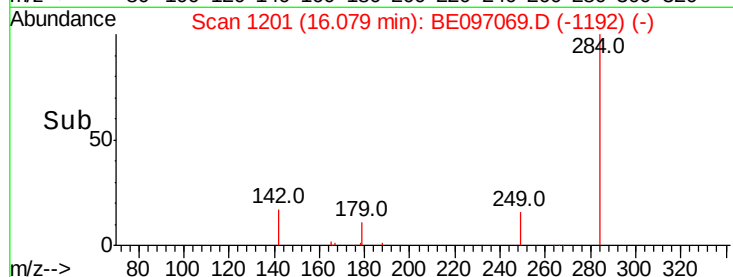
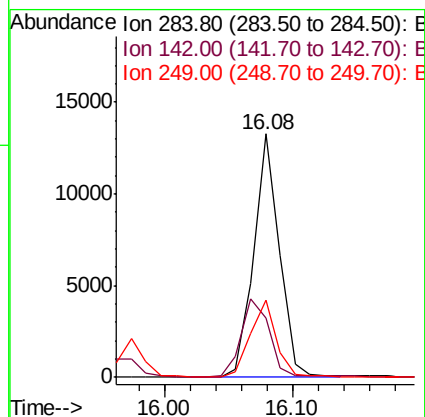
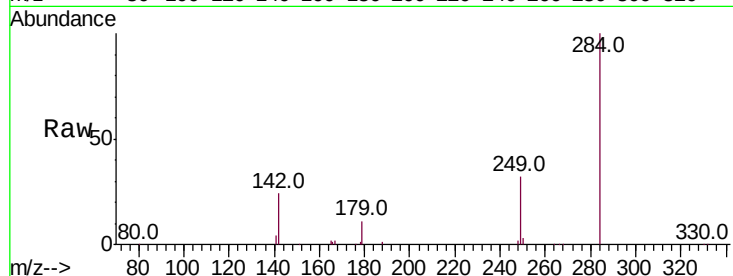
ClientSampled :

SSTDICC3.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 18292 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 34.7  | 22.1  | 33.1# |
| 249       | 31.3  | 34.8  | 52.2# |

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#22

Pentachlorophenol

Concen: 7.896 ng m

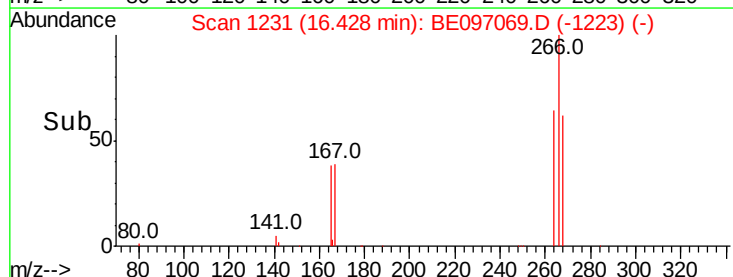
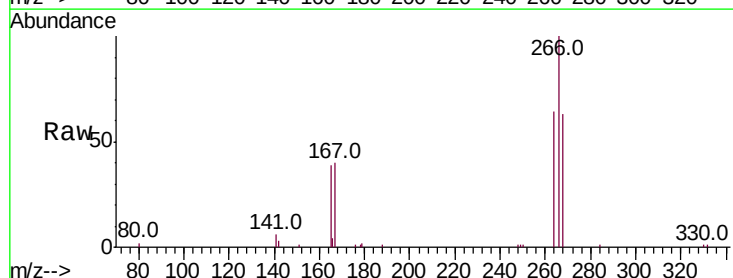
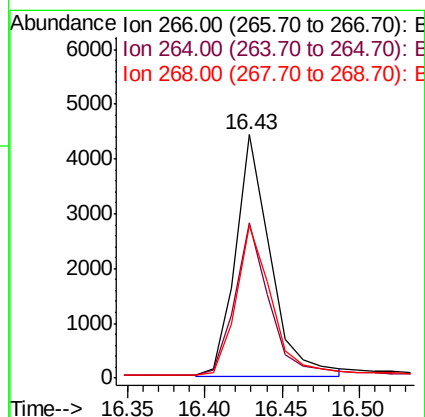
RT: 16.43 min Scan# 1231

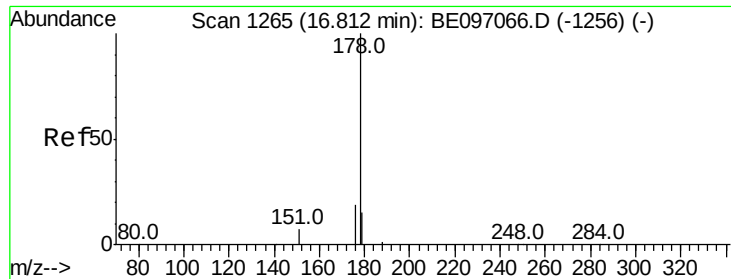
Delta R.T. -0.01 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 7051   |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 264       | 64.0  | 72.5  | 108.7# |
| 268       | 62.7  | 73.8  | 110.6# |





#23

Phenanthrene

Concen: 3.463 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

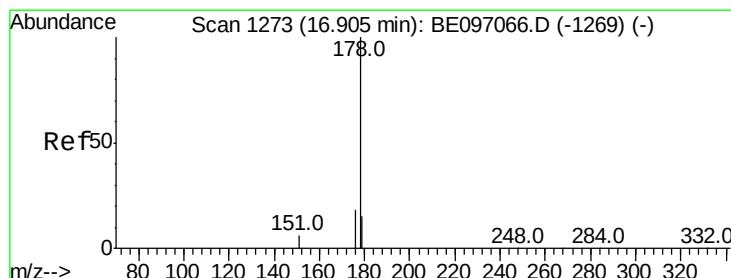
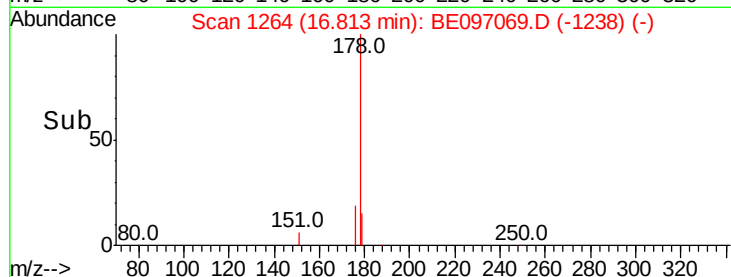
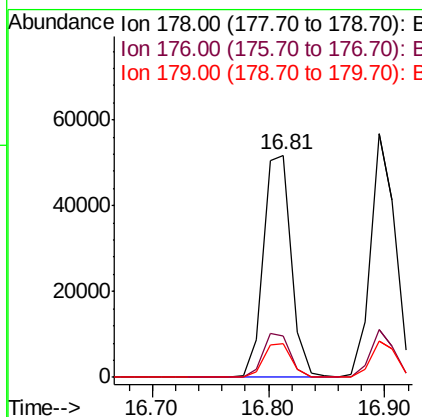
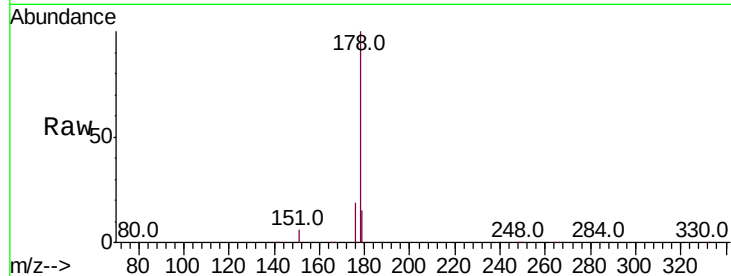
ClientSampled :

SSTDICC3.2

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 85944     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.5  | 15.1 22.7 |
| 179         | 15.1  | 11.8 17.6 |

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#24

Anthracene

Concen: 3.849 ng

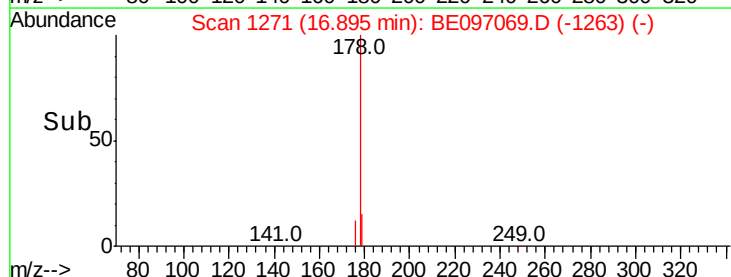
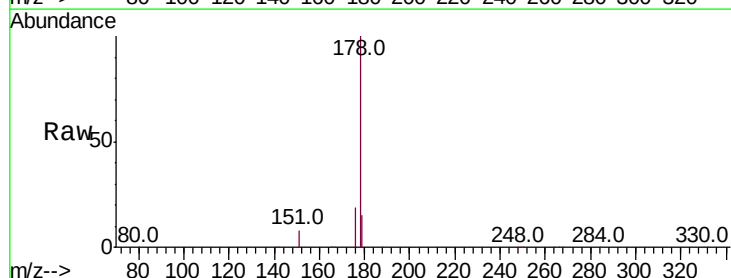
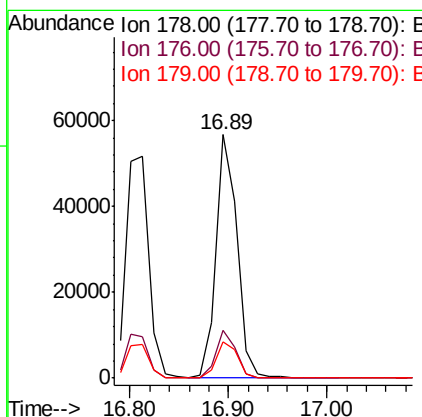
RT: 16.89 min Scan# 1271

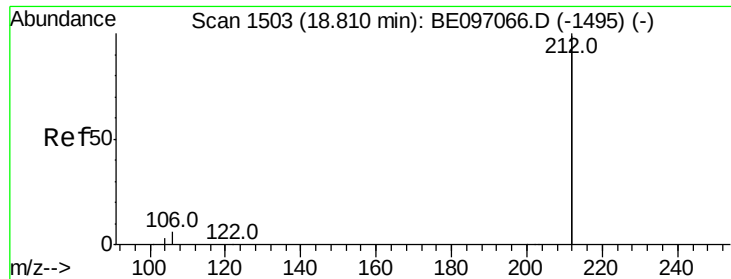
Delta R.T. -0.01 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 83125     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.7  | 12.8 19.2 |
| 179         | 15.2  | 13.0 19.6 |





#25

Fluoranthene-d10

Concen: 4.320 ng

RT: 18.81 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

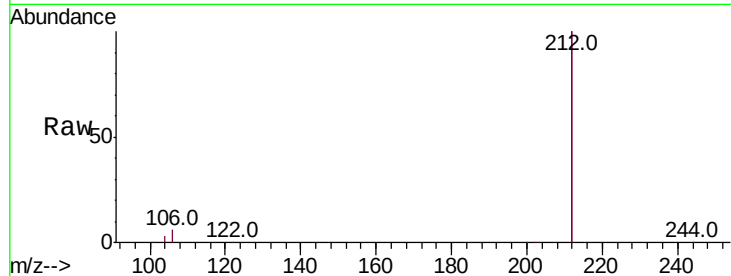
ClientSampleId :

SSTDICC3.2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 212   | Resp: | 389510 |
| Ion Ratio | Lower | Upper |        |
| 212       | 100   |       |        |
| 106       | 3.1   | 2.8   | 4.2    |
| 104       | 1.7   | 1.6   | 2.4    |

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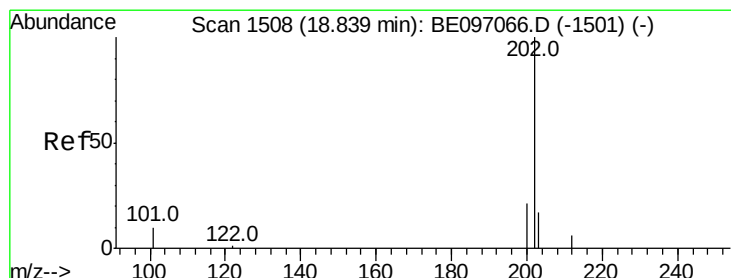
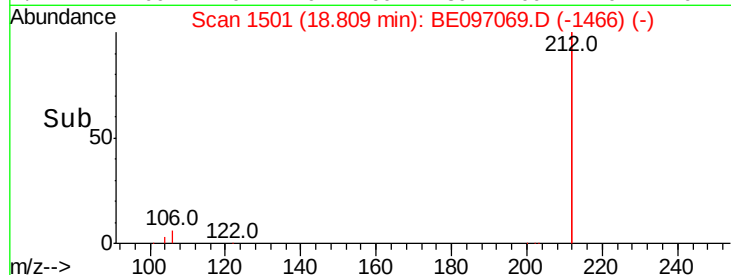
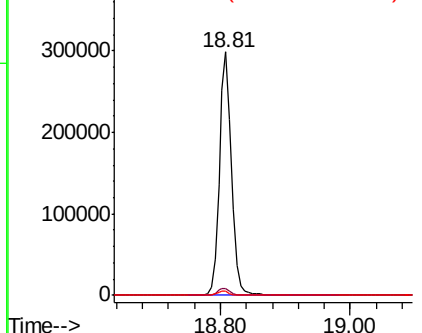
Sohil  
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Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 3.979 ng

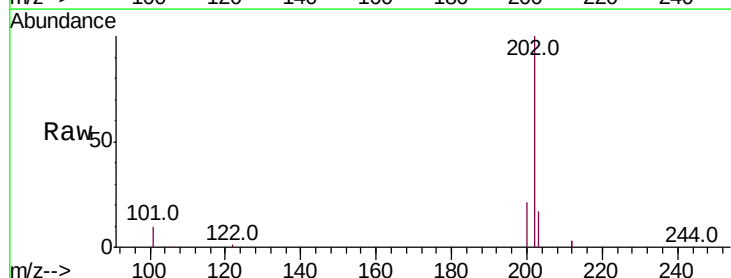
RT: 18.84 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

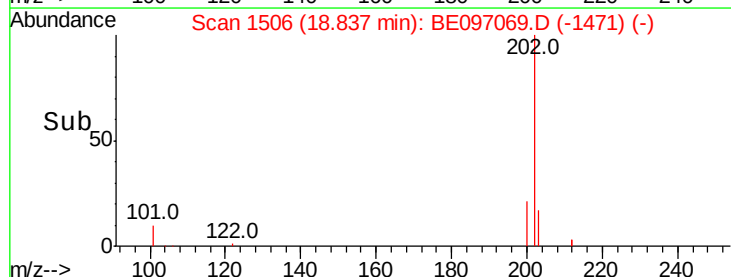
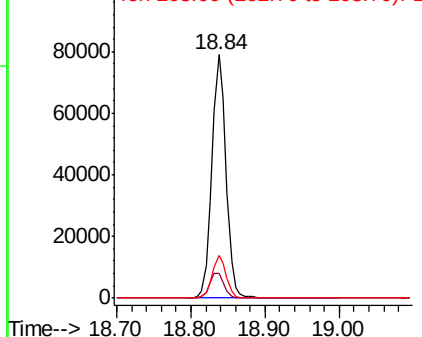
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 104146 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.8  | 9.8   | 14.8   |
| 203       | 17.4  | 13.7  | 20.5   |

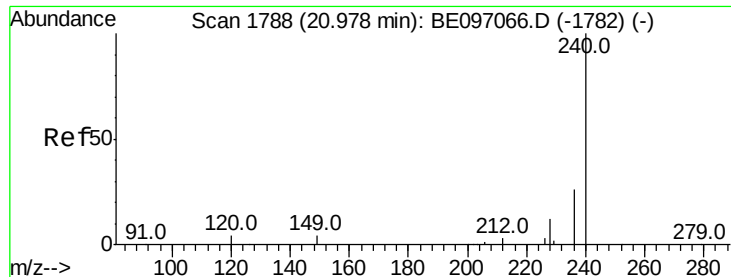


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





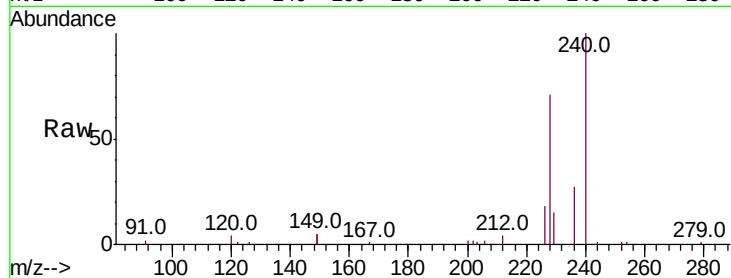
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.98 min Scan# 1786  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 4.1   | 5.5   | 8.3#  |
| 236     | 26.5  | 20.7  | 31.1  |

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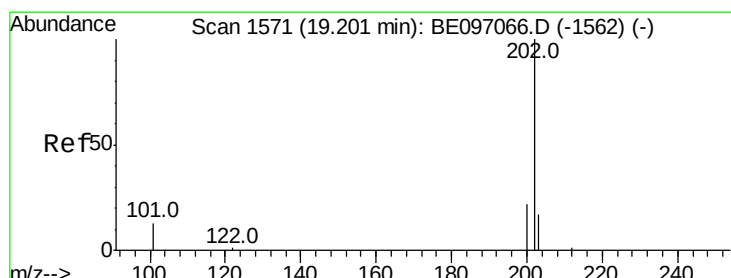
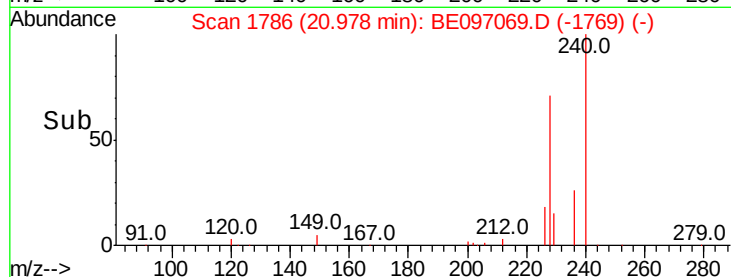
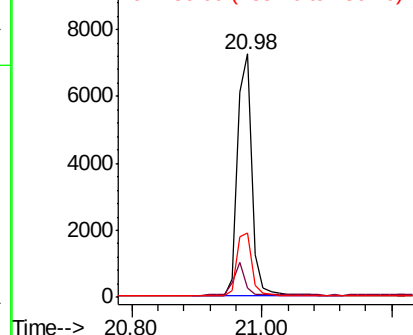


Abundance

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: 3.085 ng  
RT: 19.20 min Scan# 1569  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

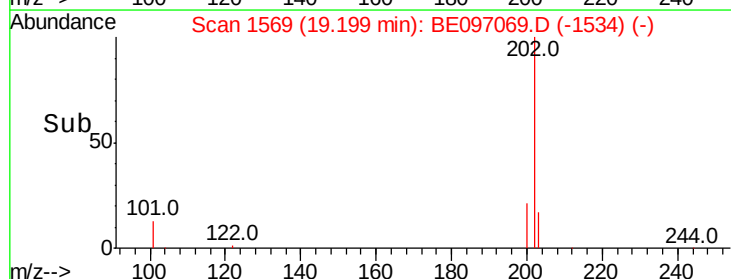
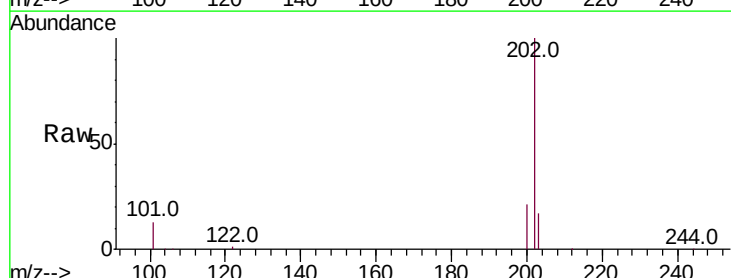
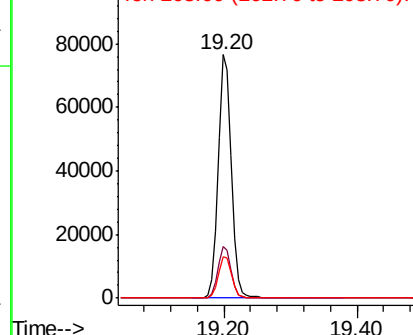
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 16.6  | 25.0  |
| 203     | 17.5  | 13.8  | 20.8  |

Abundance

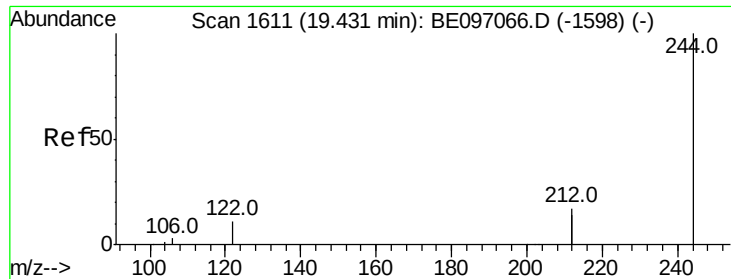
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







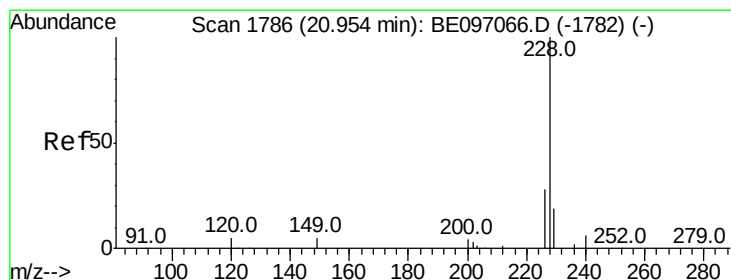
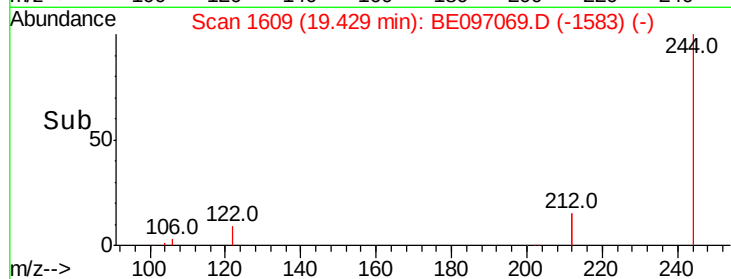
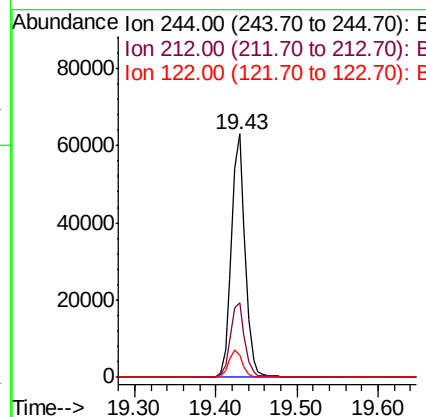
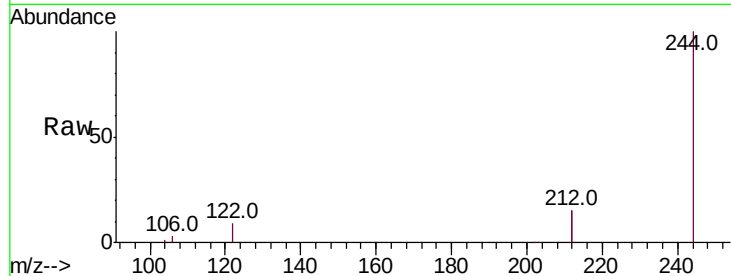
#29  
 Terphenyl-d14  
 Concen: 3.345 ng  
 RT: 19.43 min Scan# 1609  
 Delta R.T. -0.00 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

Instrument :  
 BNA\_E  
 ClientSampled :  
 SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 30.5  | 25.4  | 38.0  |
| 122     | 9.2   | 8.1   | 12.1  |

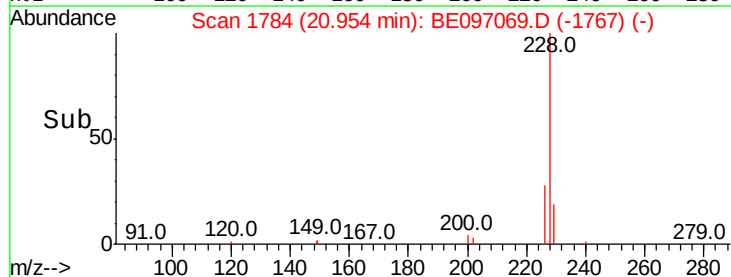
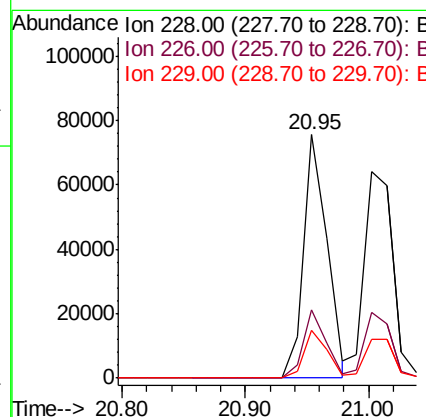
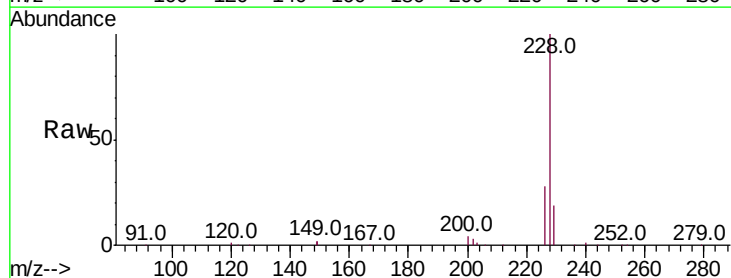
Manual Integrations  
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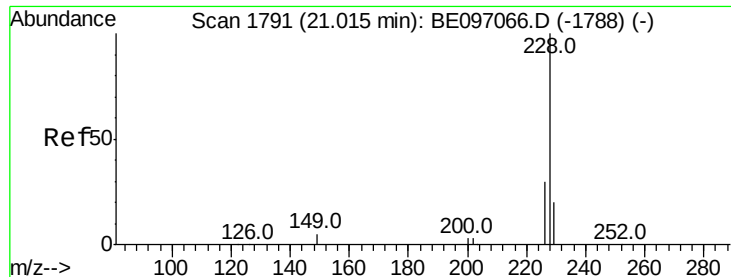
Sohil  
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#30  
 Benzo(a)anthracene  
 Concen: 3.662 ng  
 RT: 20.95 min Scan# 1784  
 Delta R.T. -0.00 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 24.0  | 36.0  |
| 229     | 19.5  | 16.0  | 24.0  |





#31

Chrysene

Concen: 3.364 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

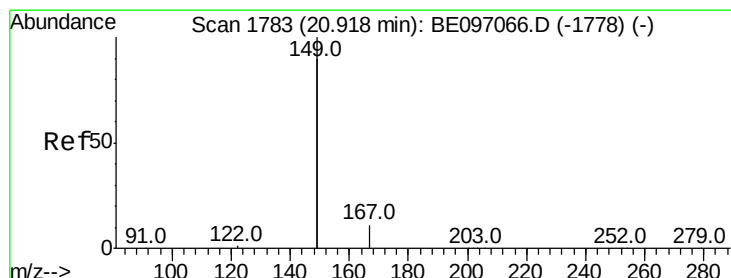
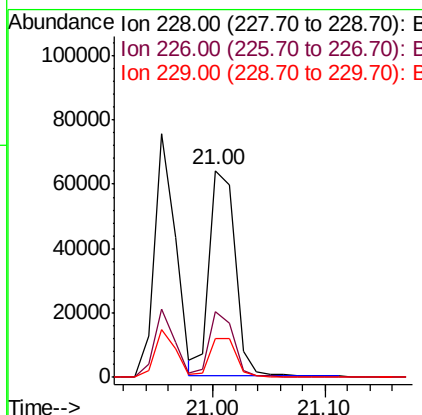
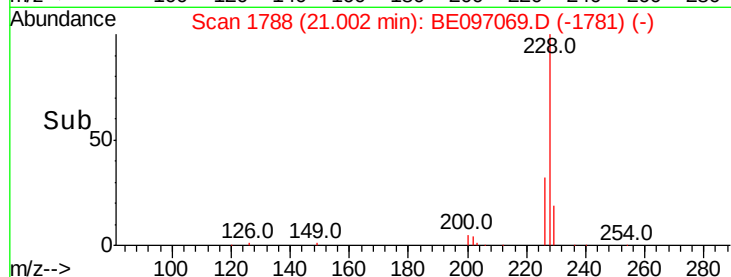
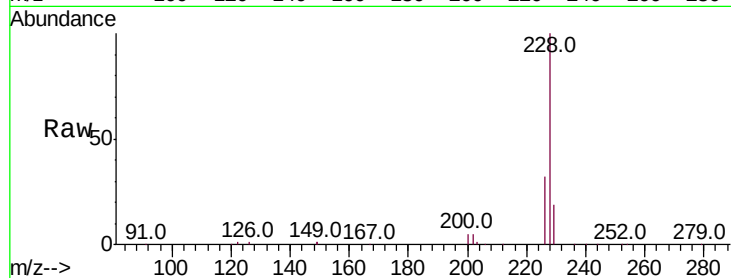
ClientSampled :

SSTDICC3.2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 102617 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 32.0  | 24.0  | 36.0   |
| 229       | 19.0  | 16.0  | 24.0   |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 5.315 ng m

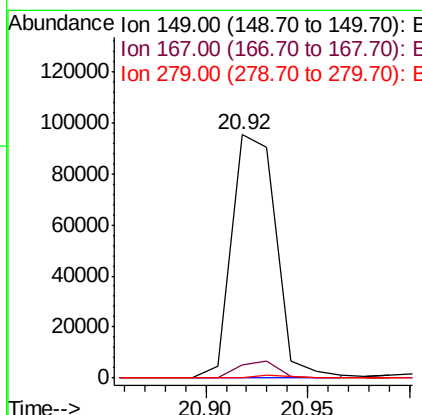
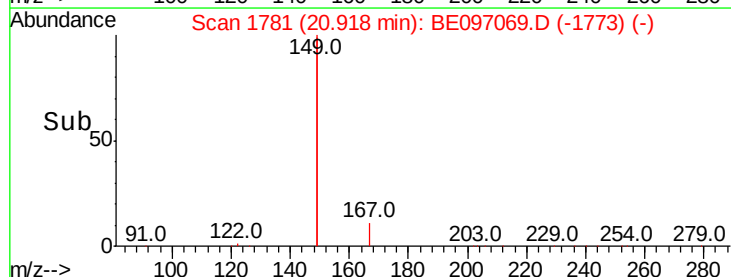
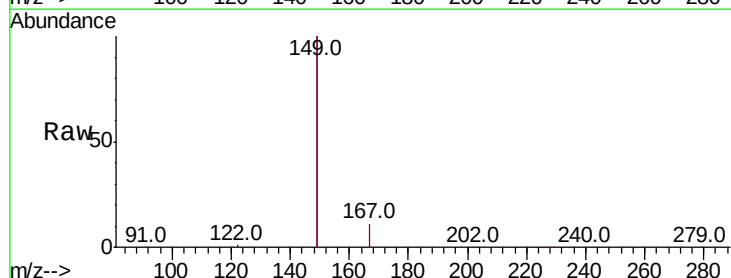
RT: 20.92 min Scan# 1781

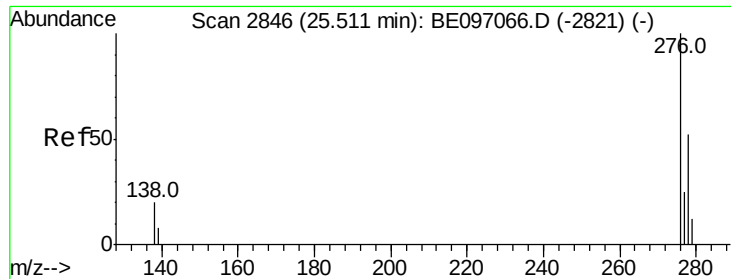
Delta R.T. -0.00 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 144275 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 0.0   | 5.4   | 8.0#   |
| 279       | 0.0   | 0.7   | 1.1#   |





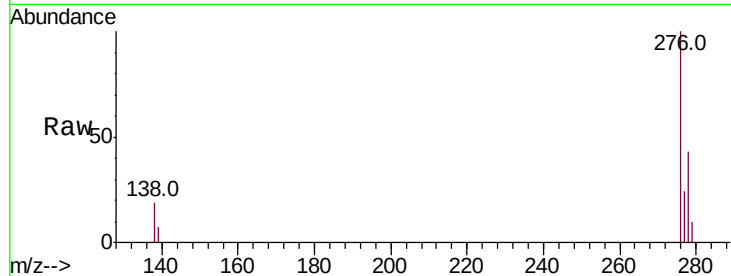
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.423 ng  
 RT: 25.50 min Scan# 2841  
 Delta R.T. -0.01 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.2  | 22.5  | 33.7# |
| 277     | 24.7  | 19.9  | 29.9  |

Manual Integrations  
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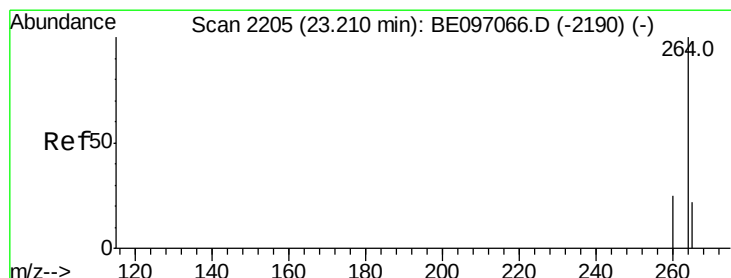
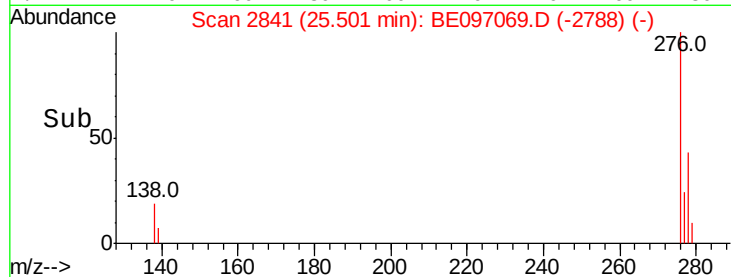
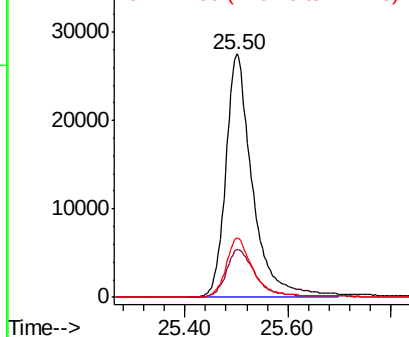


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2202  
 Delta R.T. -0.00 min  
 Lab File: BE097069.D  
 Acq: 24 Jul 2018 11:59

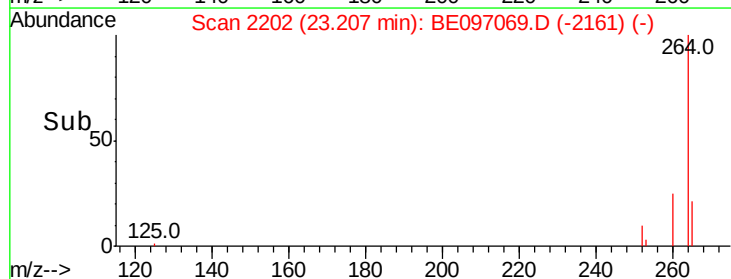
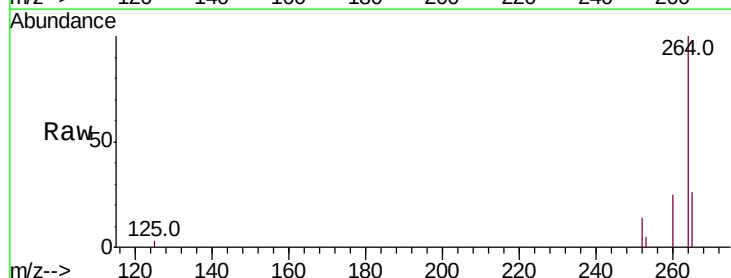
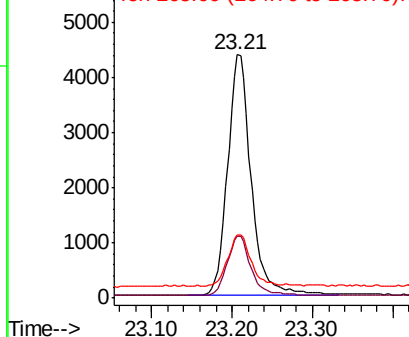
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 20.5  | 30.7  |
| 265     | 25.8  | 22.8  | 34.2  |

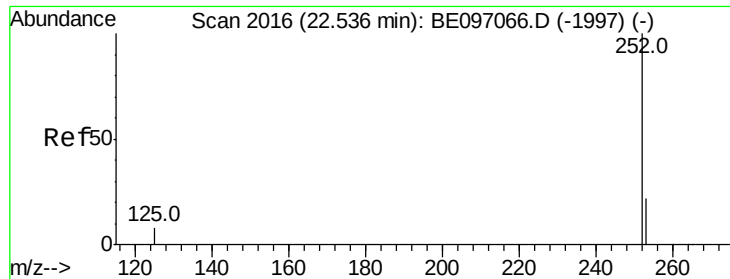
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





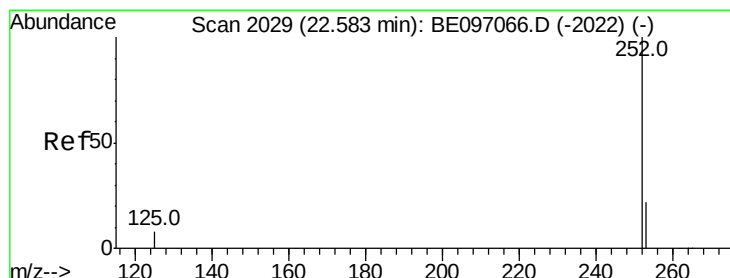
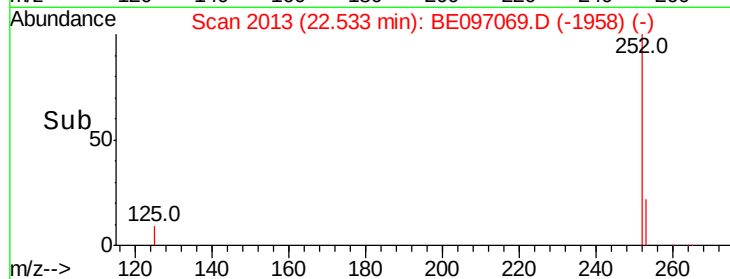
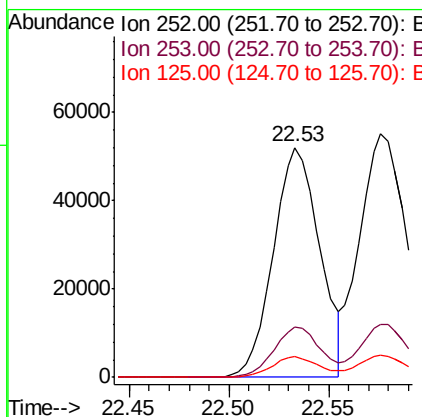
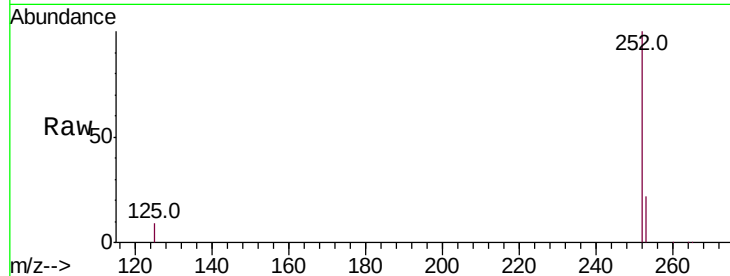
#35  
Benzo(b)fluoranthene  
Concen: 3.702 ng  
RT: 22.53 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 20.0  | 30.0  |
| 125     | 9.2   | 16.0  | 24.0  |

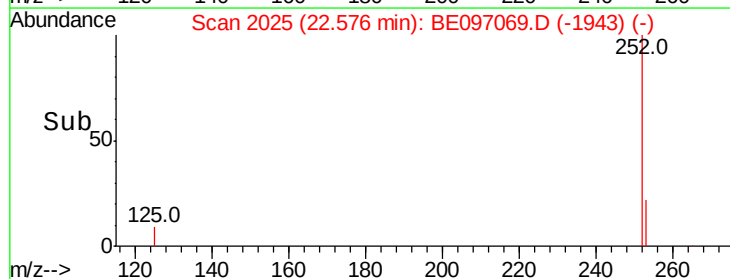
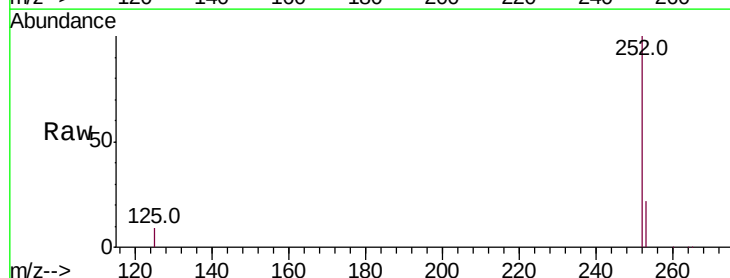
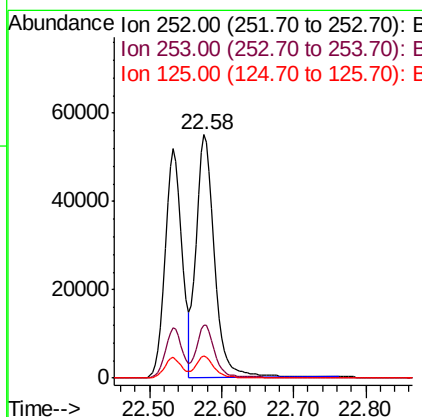
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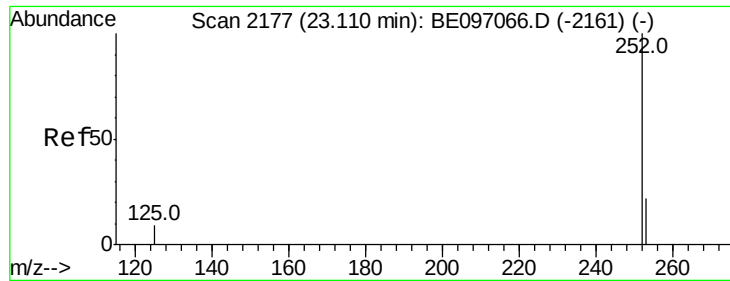
Sohil  
7/25/2018 2:39:12 PM



#36  
Benzo(k)fluoranthene  
Concen: 3.632 ng  
RT: 22.58 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 16.0  | 24.0  |
| 125     | 9.2   | 8.0   | 12.0  |





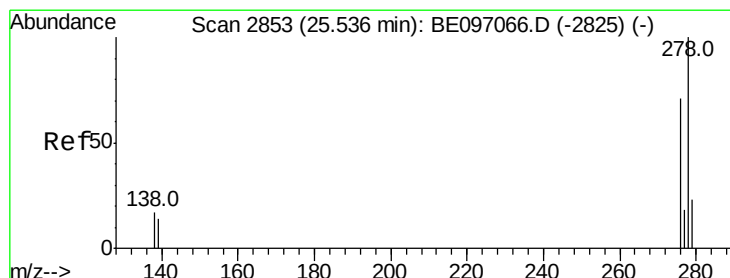
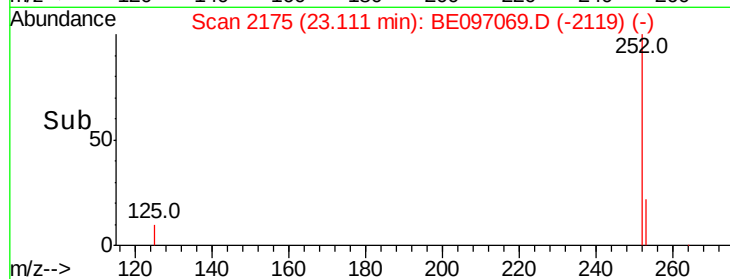
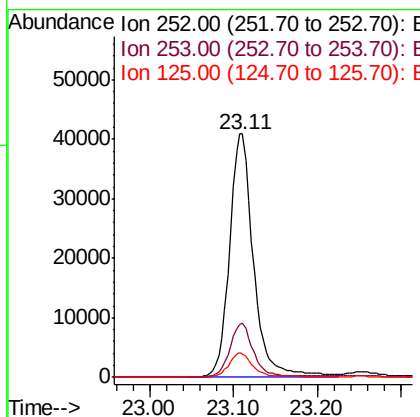
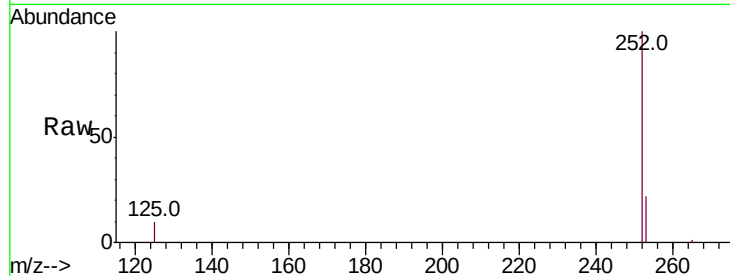
#37  
Benzo(a)pyrene  
Concen: 3.976 ng  
RT: 23.11 min Scan# 2175  
Delta R.T. 0.00 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 16.0  | 24.0  |
| 125     | 9.8   | 12.0  | 18.0  |

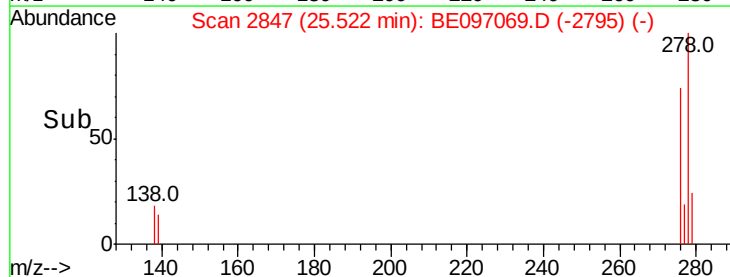
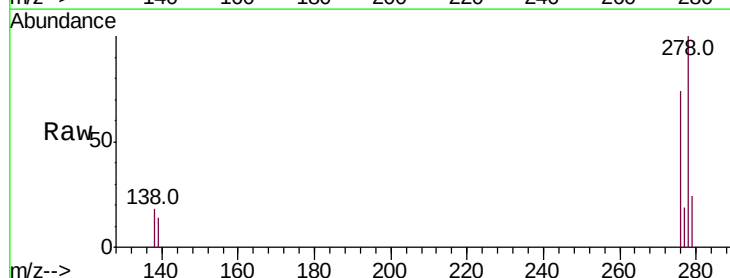
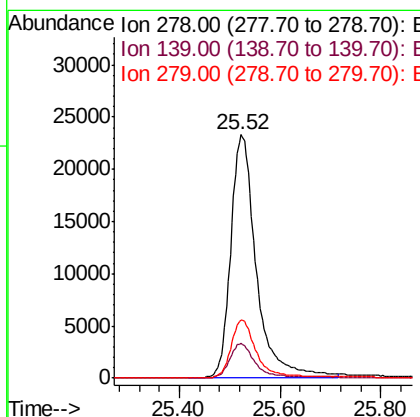
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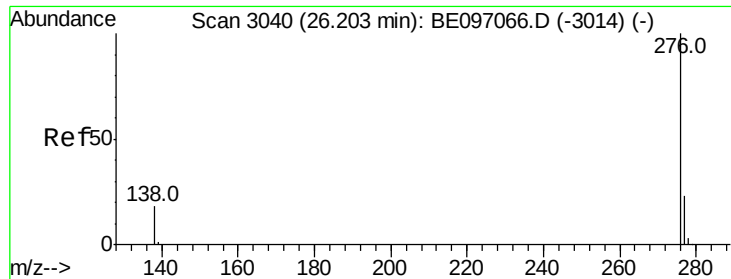
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7/25/2018 2:39:12 PM



#38  
Dibenzo(a,h)anthracene  
Concen: 4.973 ng  
RT: 25.52 min Scan# 2847  
Delta R.T. -0.01 min  
Lab File: BE097069.D  
Acq: 24 Jul 2018 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.3  | 16.0  | 24.0  |
| 279     | 24.0  | 20.0  | 30.0  |





#39

Benzo(a,h,i)perylene

Concen: 4.497 ng

RT: 26.19 min Scan# 3035

Delta R.T. -0.01 min

Lab File: BE097069.D

Acq: 24 Jul 2018 11:59

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 82773 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.7  | 16.0  | 24.0  |
| 138       | 18.6  | 20.0  | 30.0  |

Manual Integrations  
APPROVED

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7/25/2018 2:39:12 PM

