

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\  
 Data File : BE098231.D  
 Acq On : 16 Nov 2018 16:01  
 Operator : SJ/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

Sohil  
 11/19/2018 3:44:01 PM

Quant Time: Nov 16 17:16:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 16 17:10:30 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1350     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 6746     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4228     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 9747     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 10192    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.02 | 264  | 9712     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 744   | 0.20 | ng | 0.00 |
| 5) Phenol-d6                | 7.05  | 99  | 1145  | 0.19 | ng | 0.01 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 1301  | 0.19 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 2409  | 0.20 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 250   | 0.14 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 4084  | 0.23 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 23628 | 0.19 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 4851  | 0.21 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 455   | 0.207  | ng | 92   |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 473   | 0.179  | ng | # 20 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1013  | 0.205  | ng | 93   |
| 9) Naphthalene                 | 10.72 | 128 | 14035 | 0.205  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.01 | 225 | 843   | 0.198  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 2492  | 0.209  | ng | 93   |
| 16) Acenaphthylene             | 14.26 | 152 | 3976  | 0.205  | ng | 99   |
| 17) Acenaphthene               | 14.60 | 154 | 2417  | 0.204  | ng | 99   |
| 18) Fluorene                   | 15.58 | 166 | 3047  | 0.201  | ng | 97   |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 1209  | 0.204  | ng | 91   |
| 21) Hexachlorobenzene          | 16.59 | 284 | 1285  | 0.208  | ng | 98   |
| 22) Pentachlorophenol          | 16.95 | 266 | 139   | 0.129  | ng | 96   |
| 23) Phenanthrene               | 17.33 | 178 | 5063  | 0.209  | ng | 99   |
| 24) Anthracene                 | 17.42 | 178 | 4462  | 0.197  | ng | 99   |
| 26) Fluoranthene               | 19.34 | 202 | 6039  | 0.201  | ng | 99   |
| 28) Pyrene                     | 19.71 | 202 | 6157  | 0.220  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 5759  | 0.199  | ng | 97   |
| 31) Chrysene                   | 21.50 | 228 | 6121  | 0.208  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 8501  | 0.141  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.72 | 276 | 4889  | 0.181  | ng | # 89 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 5408m | 0.196  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.29 | 252 | 6101  | 0.210  | ng | # 96 |
| 37) Benzo(a)pyrene             | 23.90 | 252 | 5250  | 0.199  | ng | # 93 |
| 38) Dibenzo(a,h)anthracene     | 26.74 | 278 | 3901  | 0.173  | ng | # 92 |
| 39) Benzo(g,h,i)perylene       | 27.54 | 276 | 4659  | 0.198  | ng | # 93 |

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

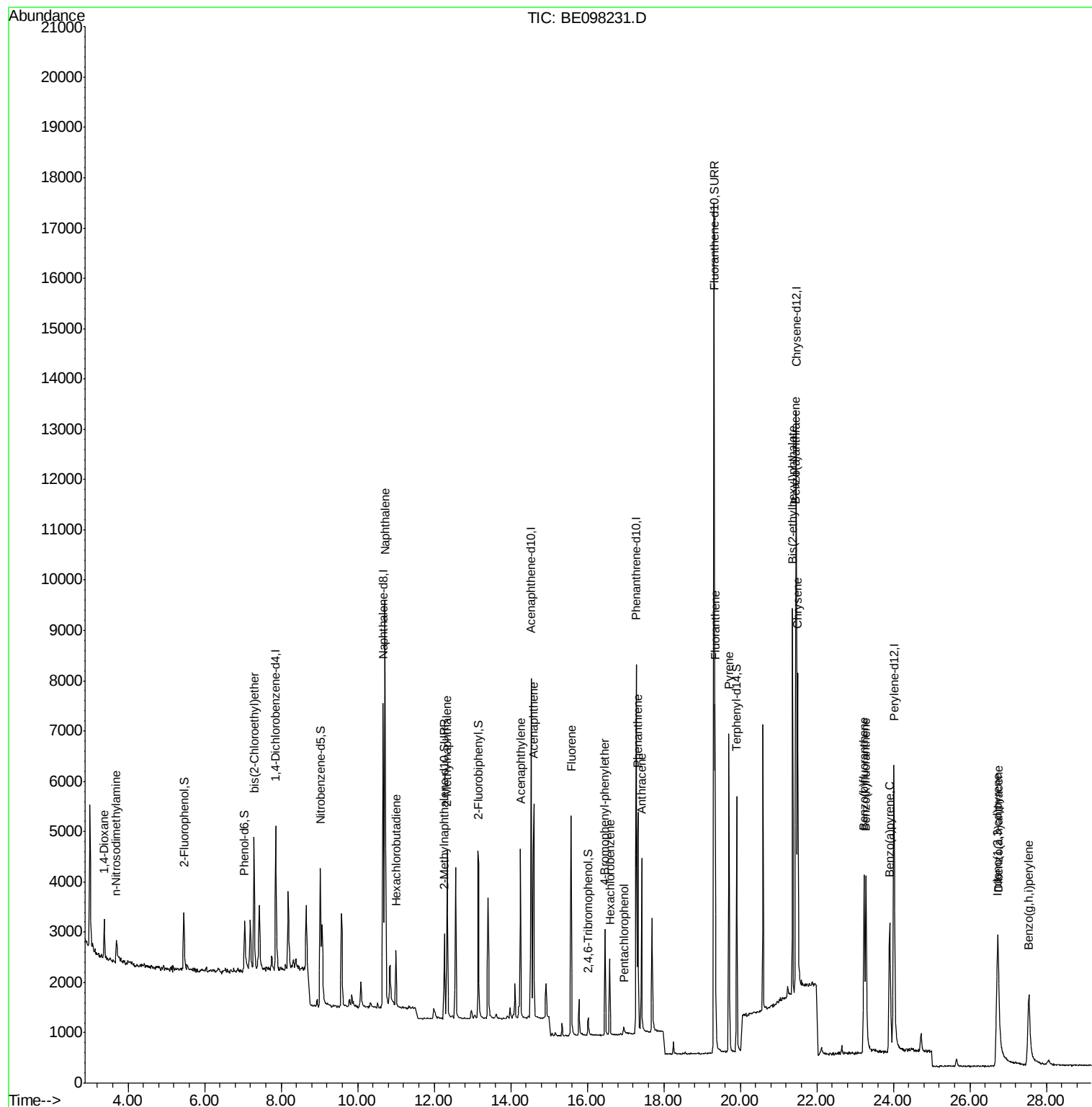
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\  
Data File : BE098231.D  
Acq On : 16 Nov 2018 16:01  
Operator : SJ/JU  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

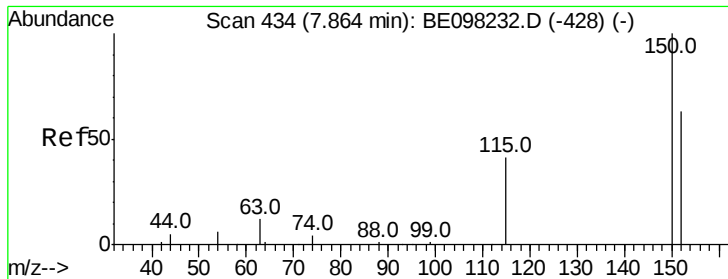
Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC0.2

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Quant Time: Nov 16 17:16:44 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 16 17:10:30 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

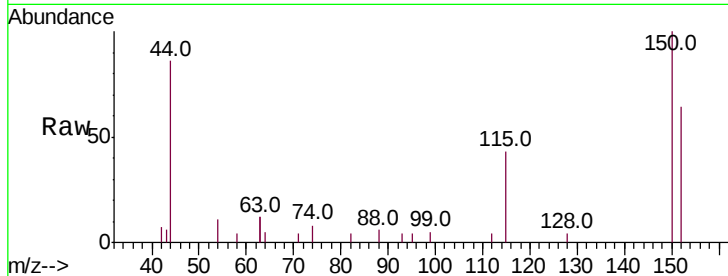
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.4 | 127.5 | 191.3 |
| 115     | 66.9  | 60.3  | 90.5  |

Manual Integrations  
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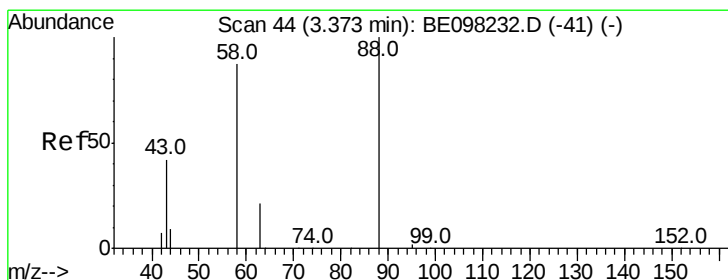
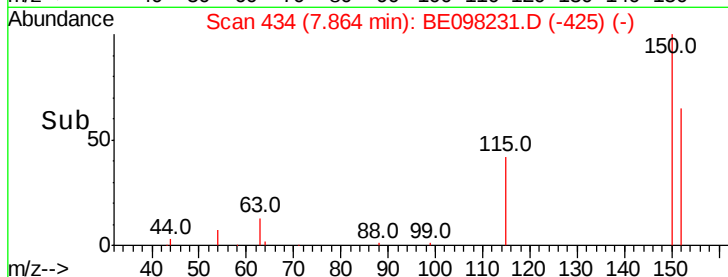
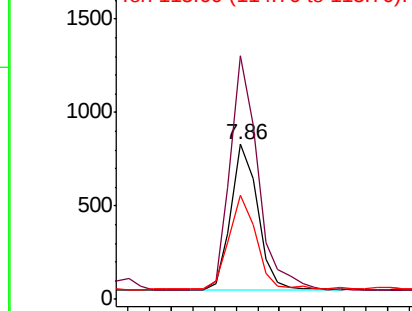


Abundance

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: 0.207 ng

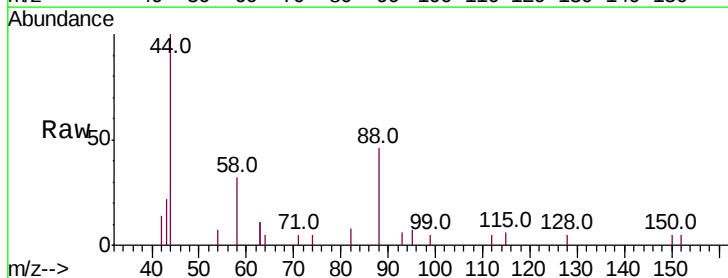
RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.7  | 79.0  | 118.4 |
| 43      | 47.5  | 38.1  | 57.1  |

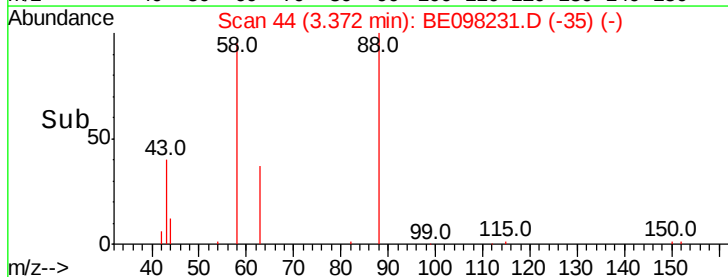
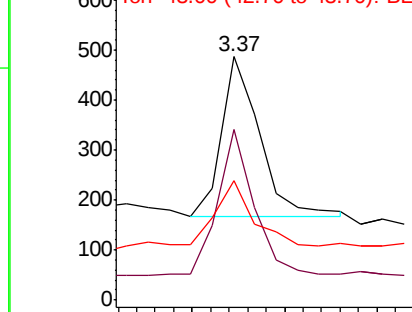


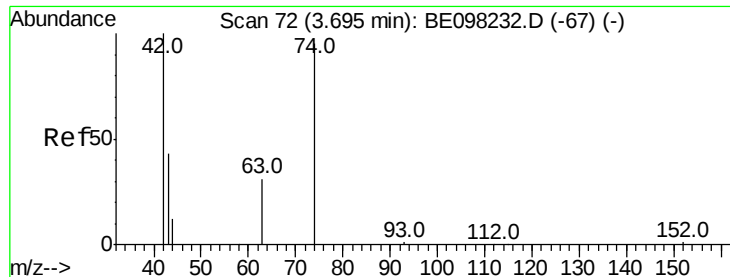
Abundance

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

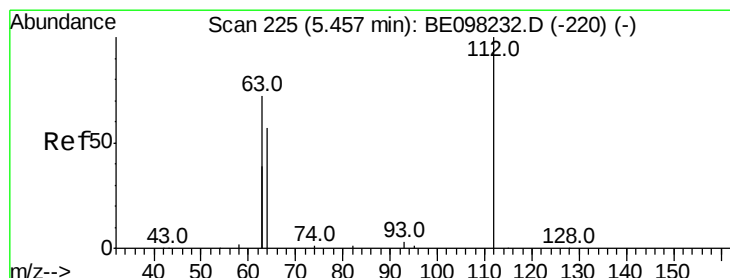
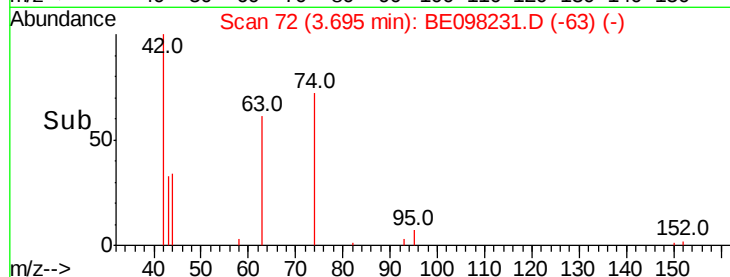
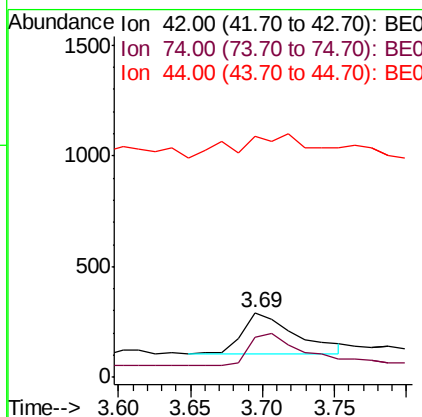
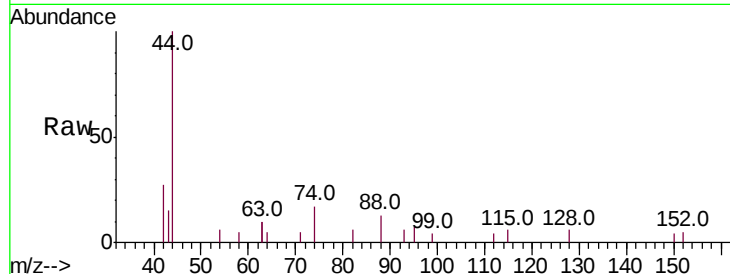
n-Nitrosodimethylamine  
Concen: 0.179 ng  
RT: 3.69 min Scan# 72  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampled :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 0.0   | 61.7  | 92.5# |
| 44      | 0.0   | 14.0  | 21.0# |

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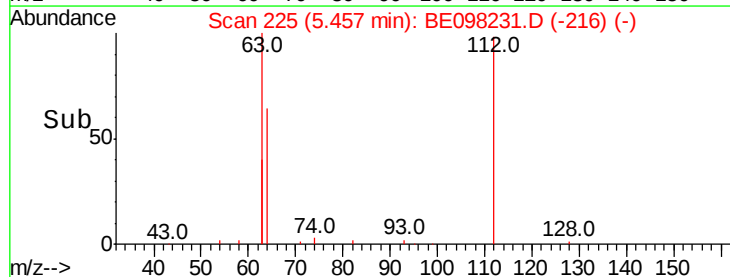
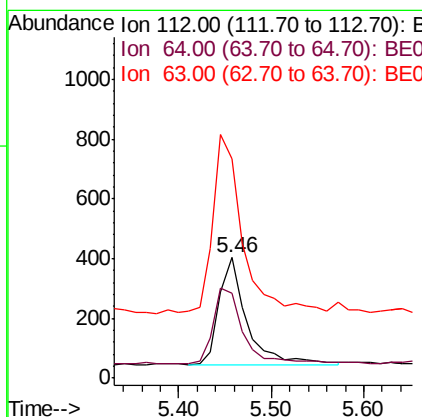
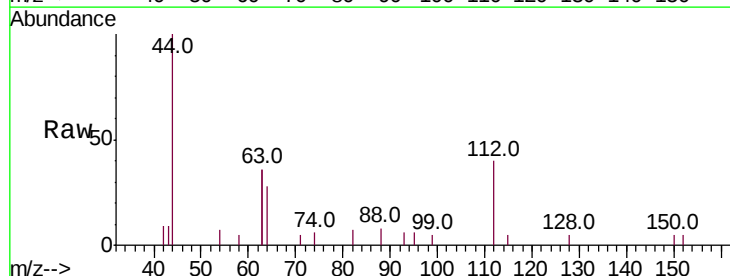
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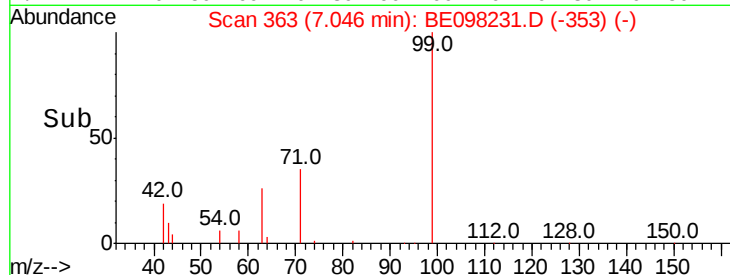
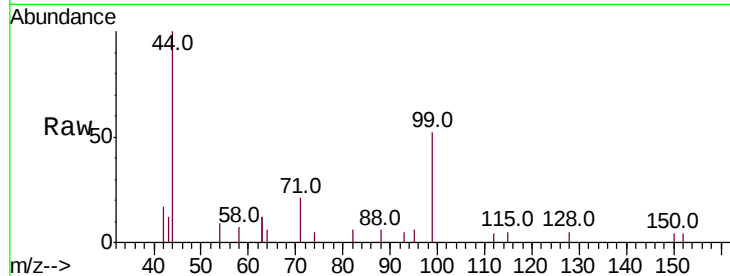
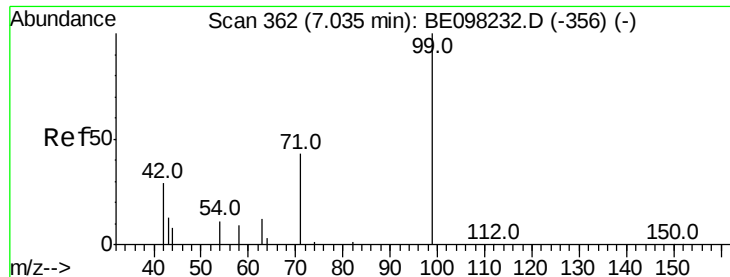


#4

2-Fluorophenol  
Concen: 0.195 ng  
RT: 5.46 min Scan# 225  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 77.2  | 61.7  | 92.5  |
| 63      | 180.4 | 136.2 | 204.2 |





#5

Phenol-d6

Concen: 0.187 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 99    | Resp: | 1145 |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 28.6  | 27.1  | 40.7 |
| 71        | 38.4  | 37.0  | 55.6 |

Instrument :

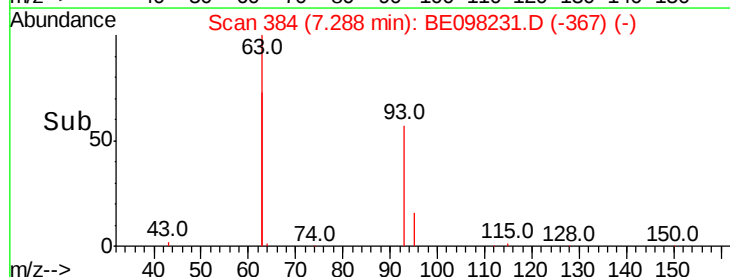
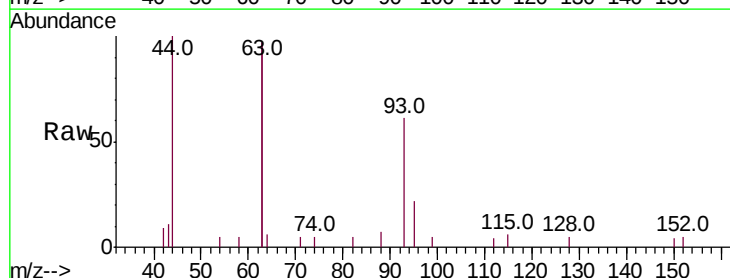
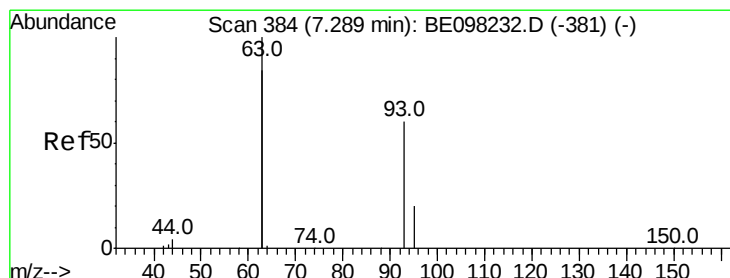
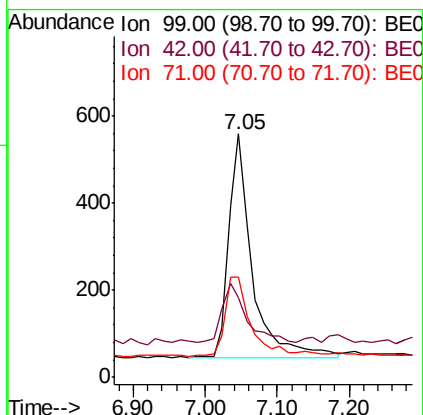
BNA\_E

ClientSampleId :

SSTDICC0.2

Manual Integrations  
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#6

bis(2-Chloroethyl)ether

Concen: 0.205 ng

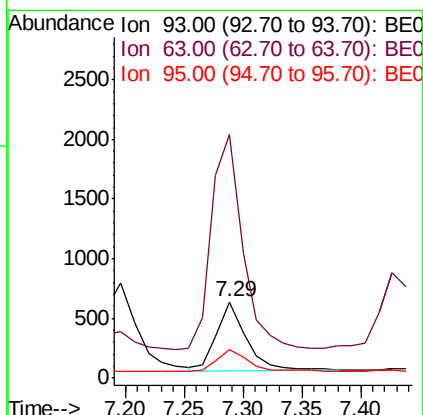
RT: 7.29 min Scan# 384

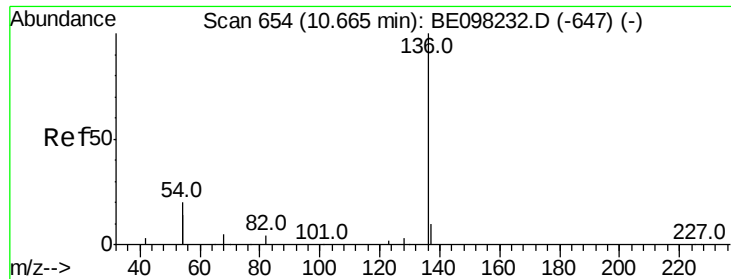
Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 1013  |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 324.2 | 272.6 | 409.0 |
| 95        | 33.5  | 27.1  | 40.7  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

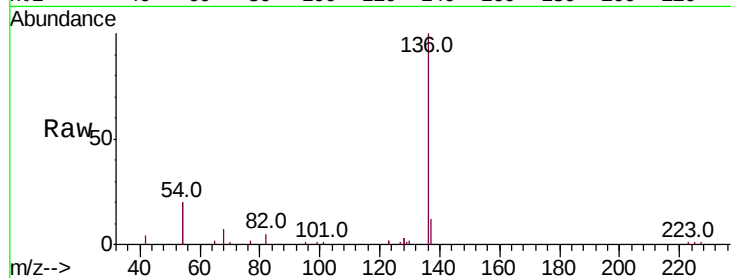
ClientSampleId :

SSTDIC0.2

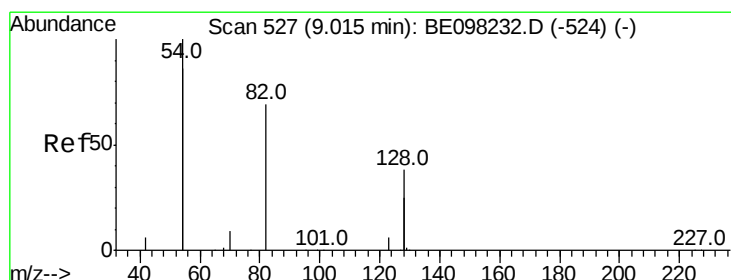
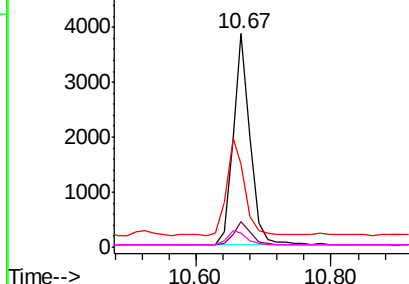
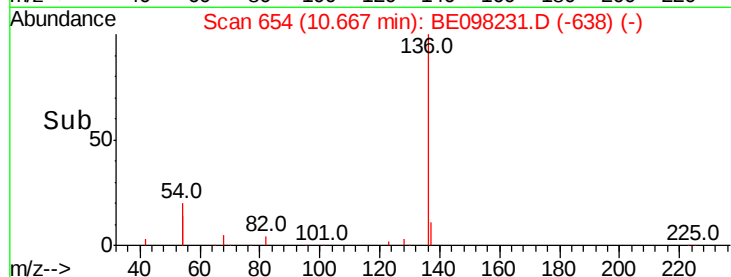
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.9  | 9.5   | 14.3  |
| 54      | 39.2  | 31.3  | 46.9  |
| 68      | 6.6   | 4.8   | 7.2   |

Manual Integrations  
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Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BE0  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.193 ng

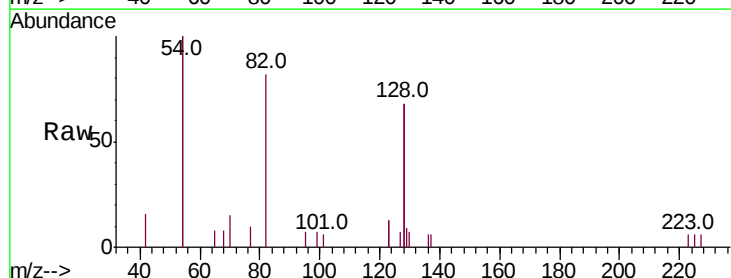
RT: 9.03 min Scan# 528

Delta R.T. 0.02 min

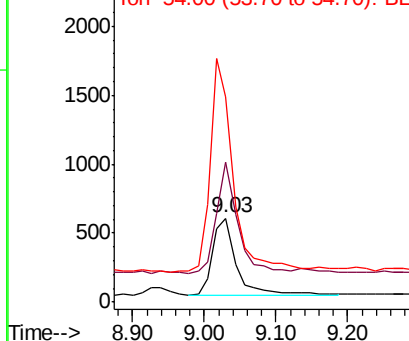
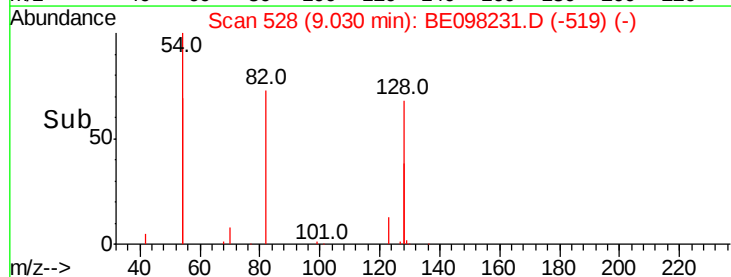
Lab File: BE098231.D

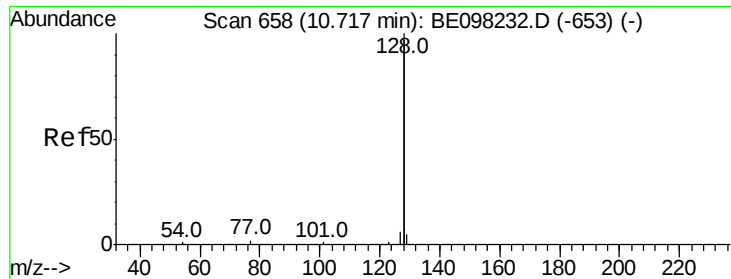
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 166.8 | 96.1  | 144.1# |
| 54      | 243.7 | 232.0 | 348.0  |



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





#9

Naphthalene

Concen: 0.205 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

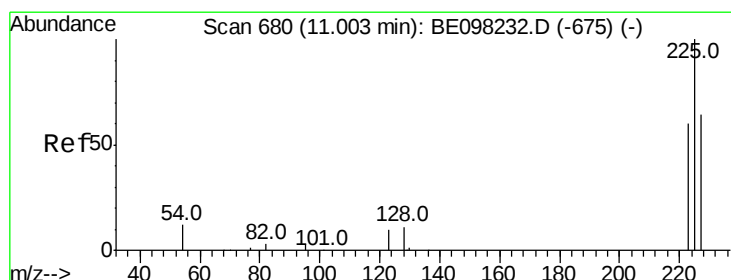
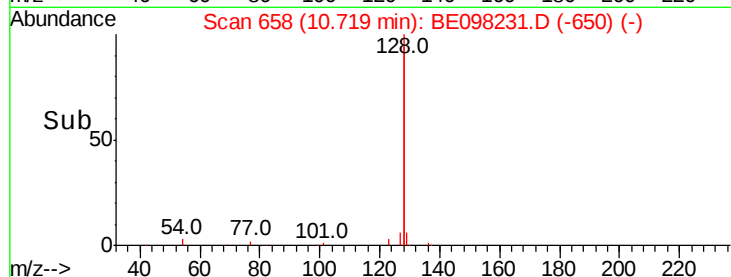
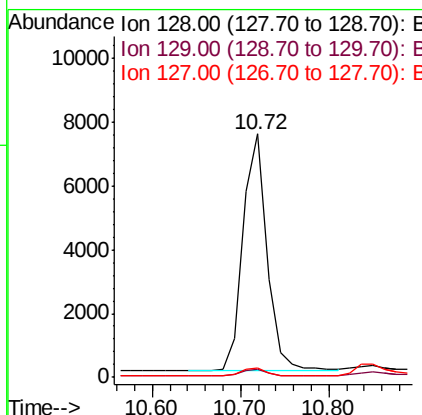
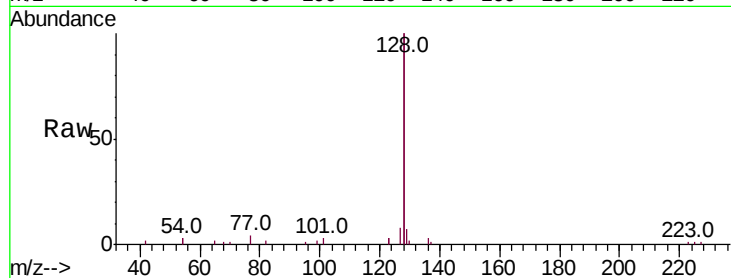
ClientSampleId :

SSTDICC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 14035 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.5   | 2.6   | 4.0   |
| 127       | 3.8   | 2.8   | 4.2   |

Manual Integrations  
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#10

Hexachlorobutadiene

Concen: 0.198 ng

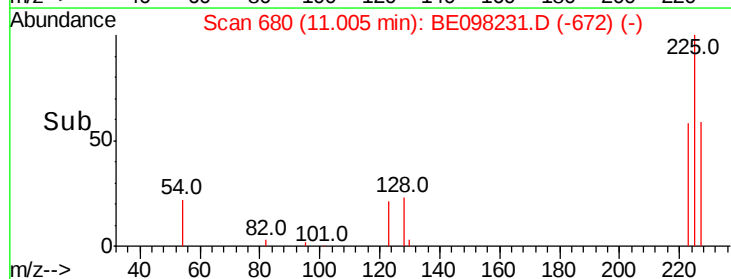
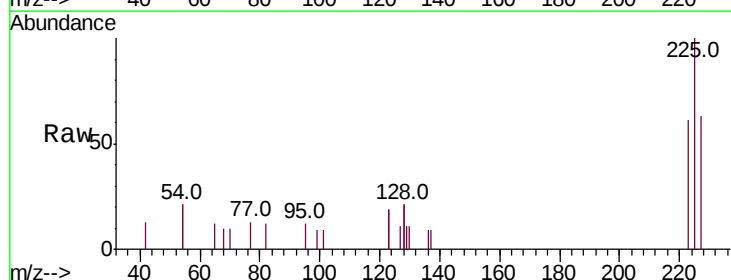
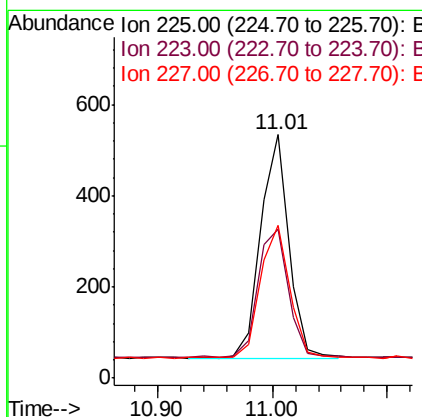
RT: 11.01 min Scan# 680

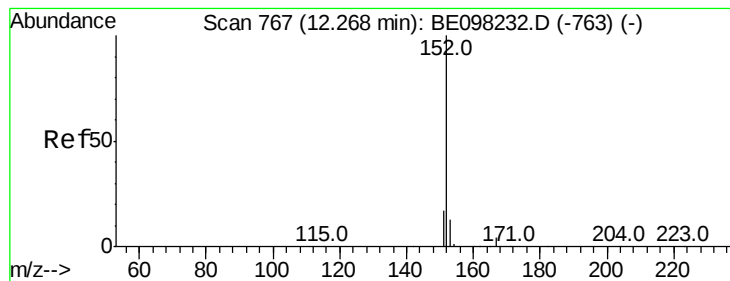
Delta R.T. 0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 843  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 60.9  | 50.5  | 75.7 |
| 227       | 61.0  | 50.3  | 75.5 |





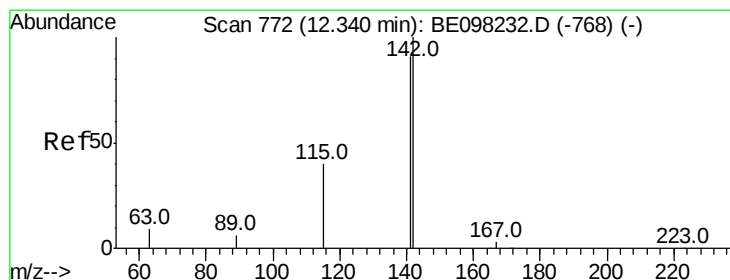
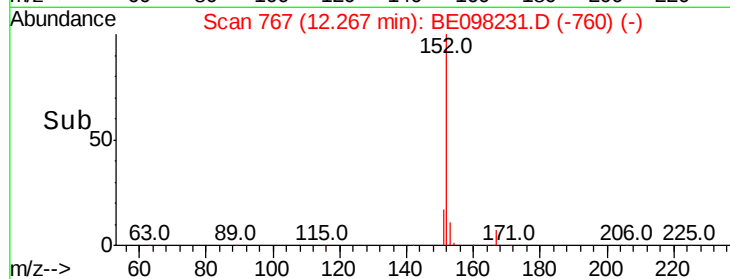
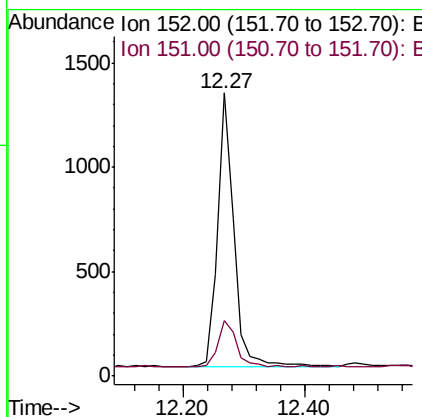
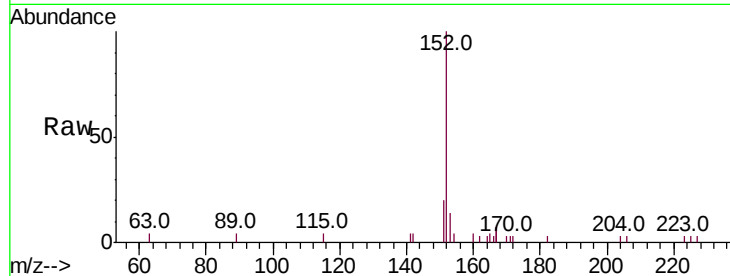
#11  
2-Methylnaphthalene-d10  
Concen: 0.204 ng  
RT: 12.27 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.0  | 15.4  | 23.2  |

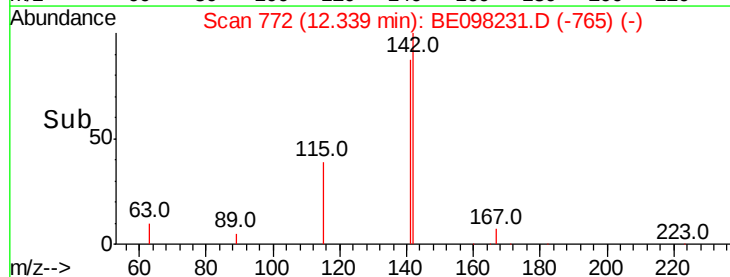
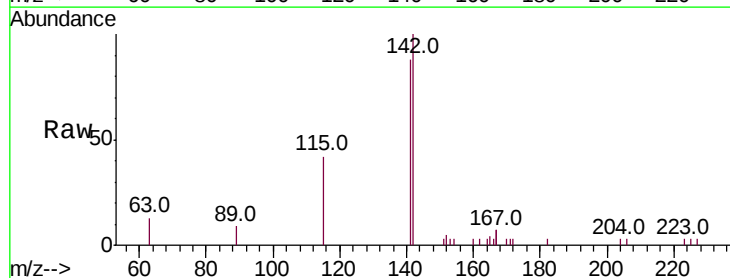
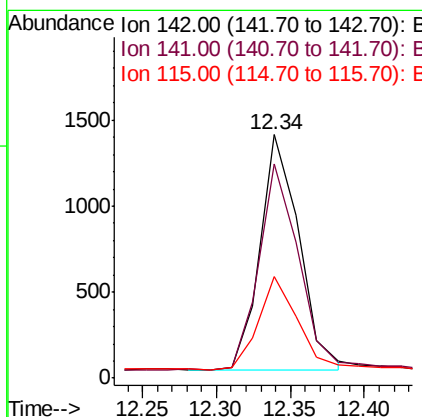
Manual Integrations  
APPROVED

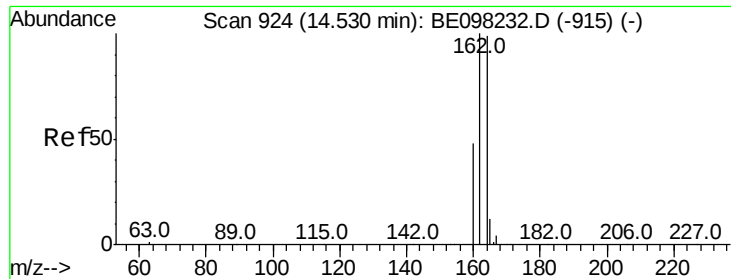
Sohil  
11/19/2018 3:44:01 PM



#12  
2-Methylnaphthalene  
Concen: 0.209 ng  
RT: 12.34 min Scan# 772  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.7  | 76.3  | 114.5 |
| 115     | 41.9  | 35.8  | 53.8  |





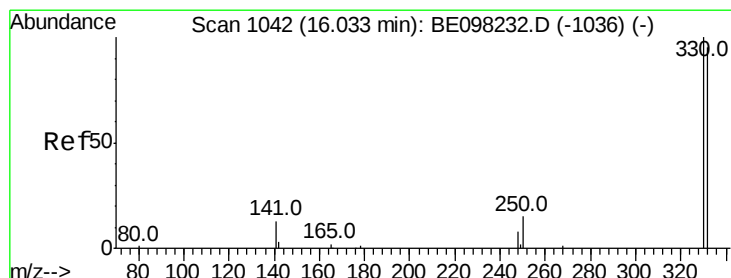
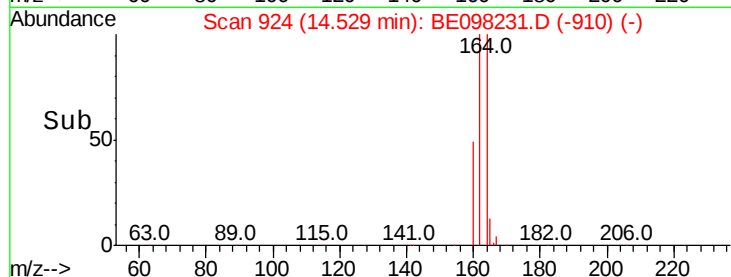
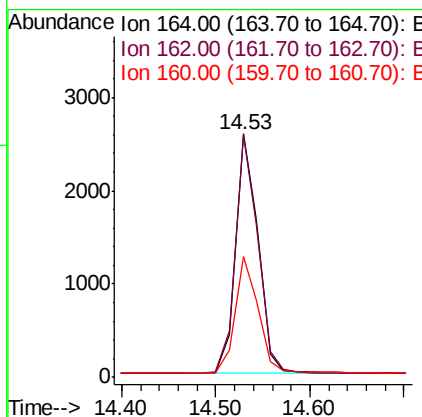
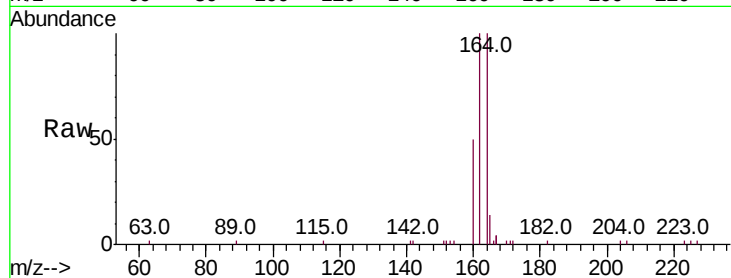
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.7  | 81.8  | 122.6 |
| 160     | 49.7  | 39.4  | 59.0  |

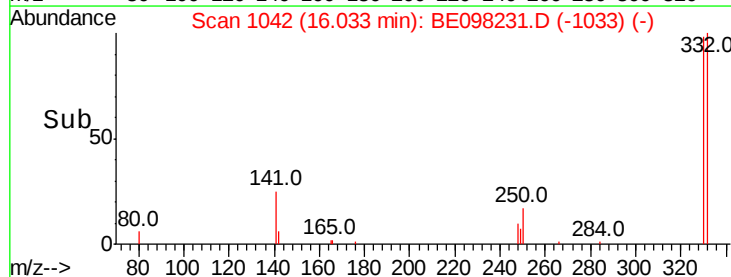
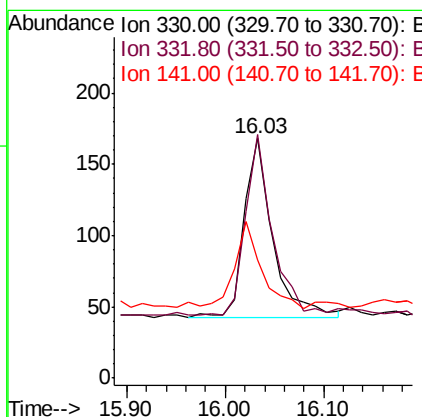
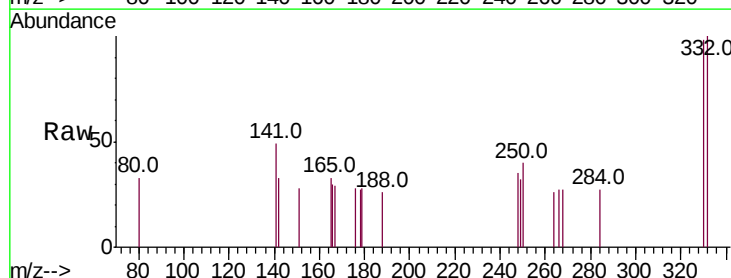
Manual Integrations  
APPROVED

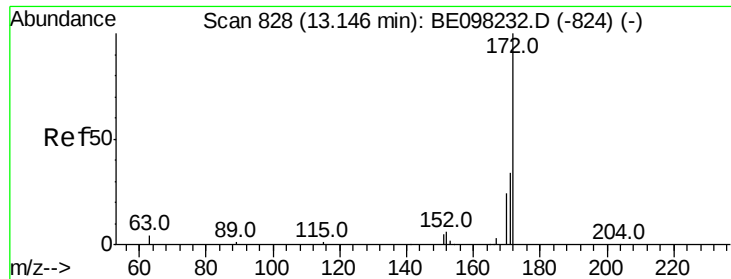
Sohil  
11/19/2018 3:44:01 PM



#14  
2,4,6-Tribromophenol  
Concen: 0.136 ng  
RT: 16.03 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.7  | 116.5 |
| 141     | 47.2  | 33.6  | 50.4  |





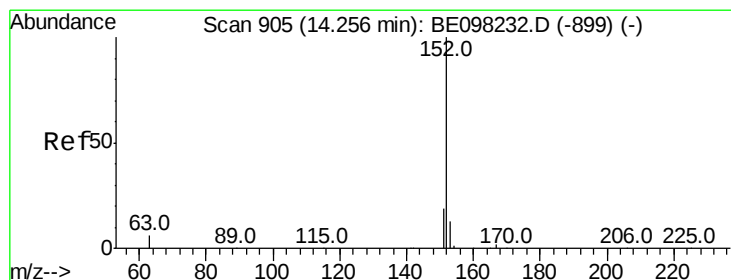
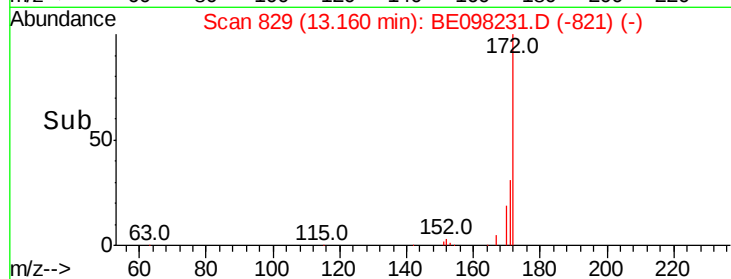
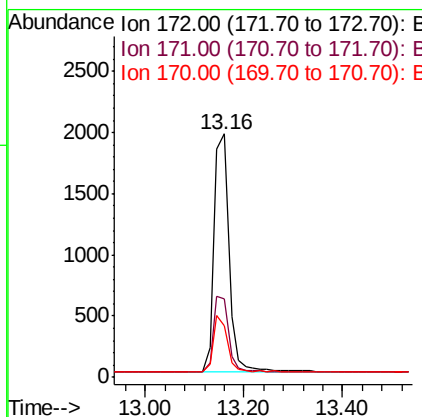
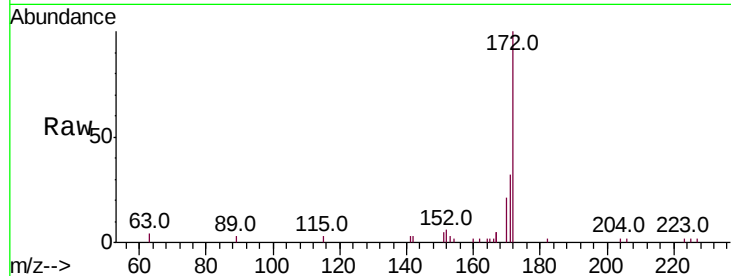
#15  
2-Fluorobiphenyl  
Concen: 0.231 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.2  | 27.3  | 40.9  |
| 170     | 21.3  | 19.4  | 29.0  |

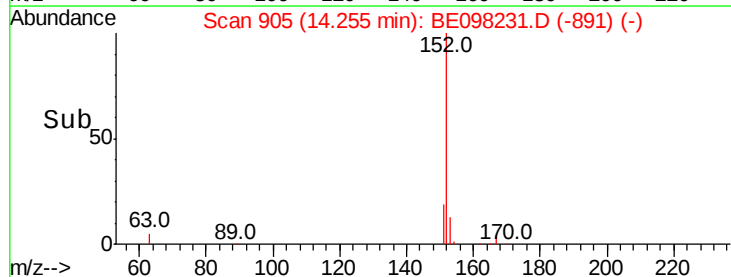
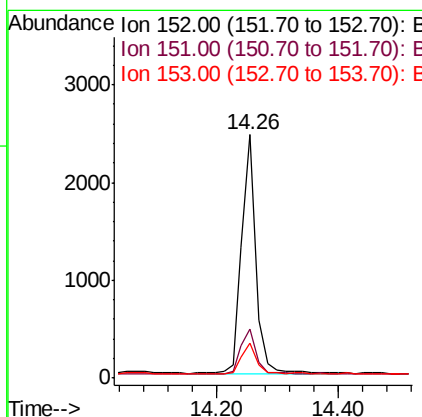
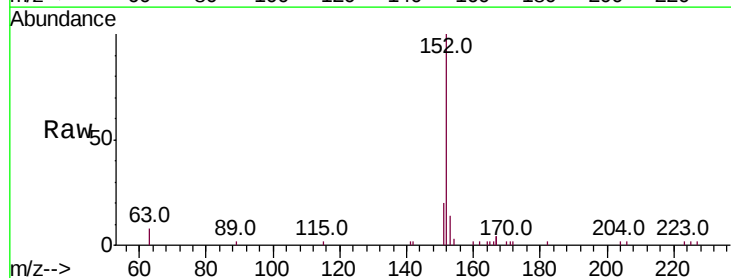
Manual Integrations  
APPROVED

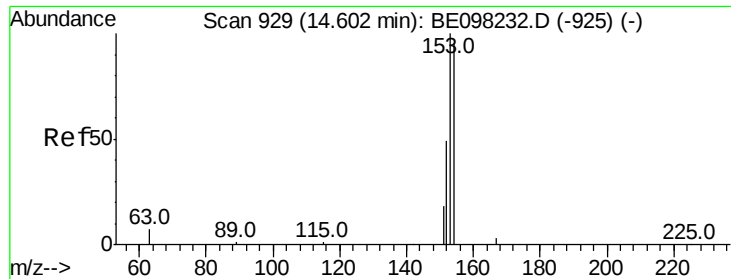
Sohil  
11/19/2018 3:44:01 PM



#16  
Acenaphthylene  
Concen: 0.205 ng  
RT: 14.26 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 16.4  | 24.6  |
| 153     | 12.8  | 10.6  | 15.8  |





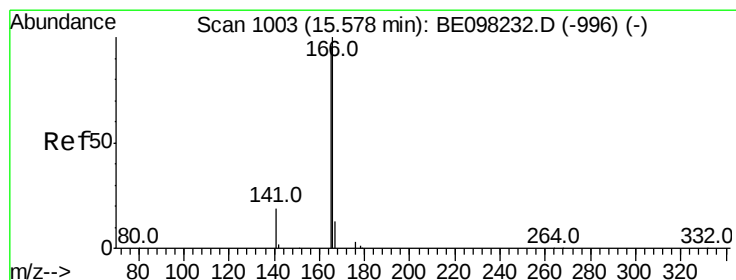
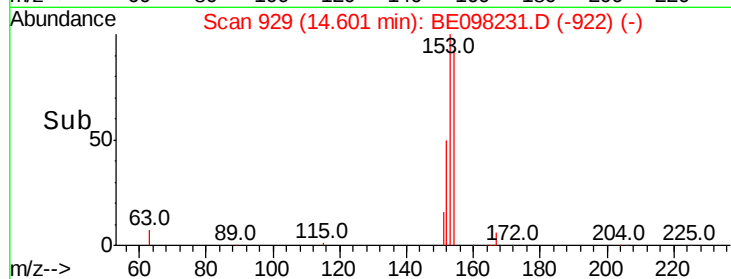
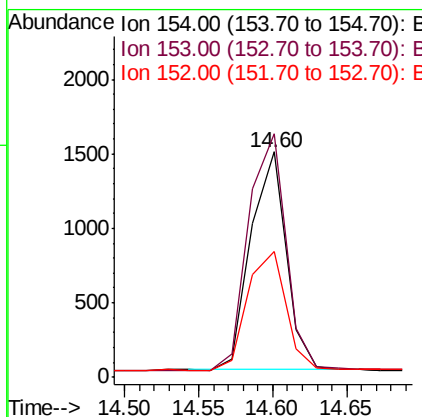
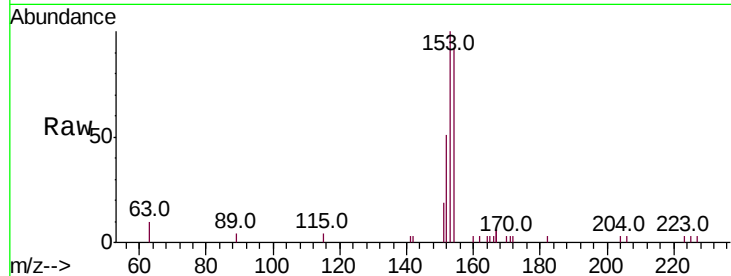
#17  
Acenaphthene  
Concen: 0.204 ng  
RT: 14.60 min Scan# 929  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.9 | 92.1  | 138.1 |
| 152     | 59.6  | 46.2  | 69.2  |

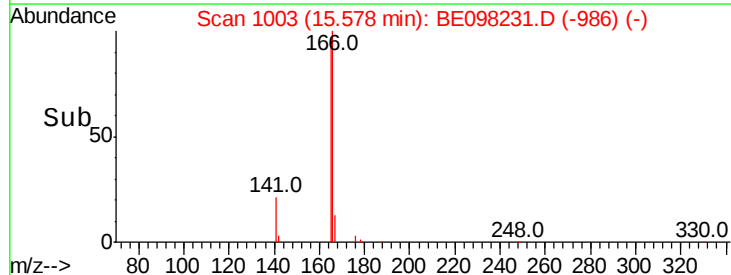
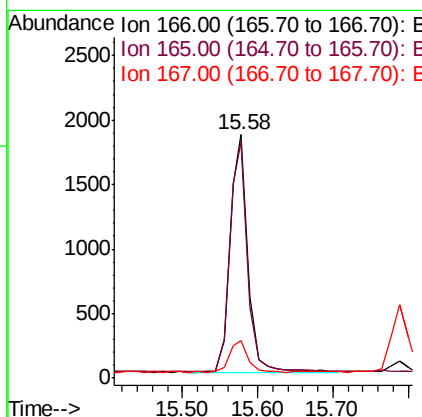
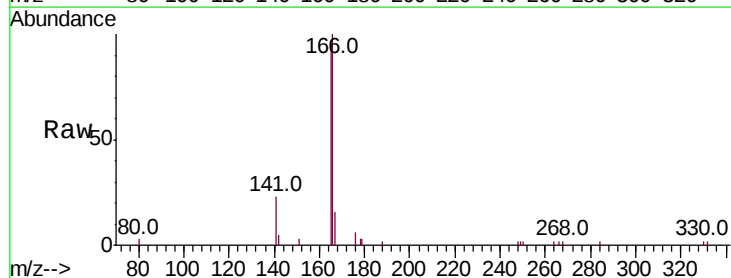
Manual Integrations  
APPROVED

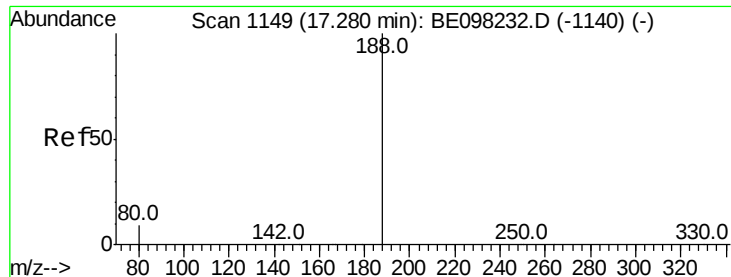
Sohil  
11/19/2018 3:44:01 PM



#18  
Fluorene  
Concen: 0.201 ng  
RT: 15.58 min Scan# 1003  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.0  | 80.1  | 120.1 |
| 167     | 13.8  | 10.8  | 16.2  |





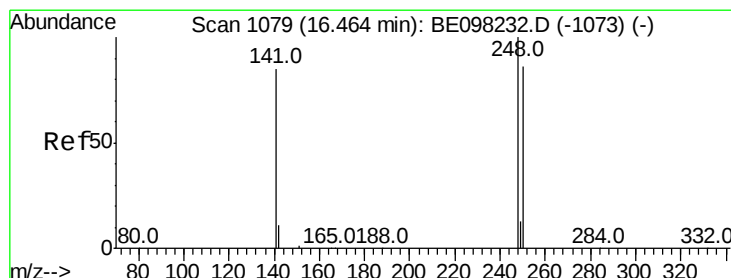
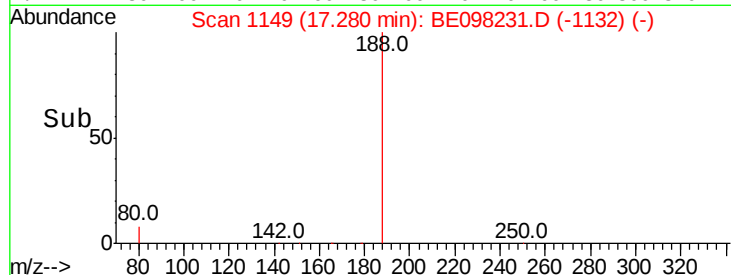
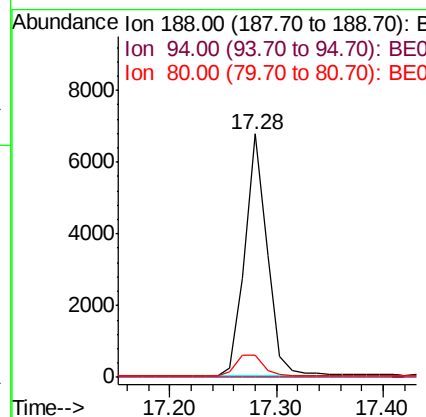
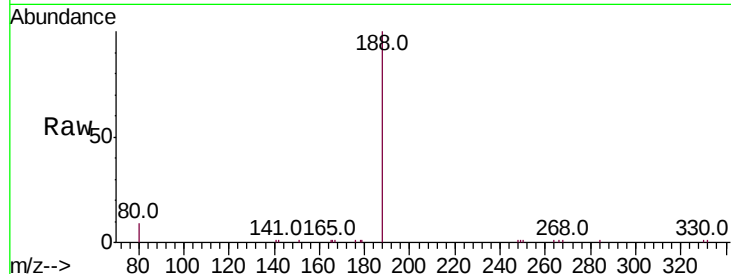
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.28 min Scan# 1149  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

|             |       |       |
|-------------|-------|-------|
| Tot Ion:188 | Resp: | 9747  |
| Ion Ratio   | Lower | Upper |
| 188 100     |       |       |
| 94 0.0      | 0.0   | 0.0   |
| 80 9.0      | 6.7   | 10.1  |

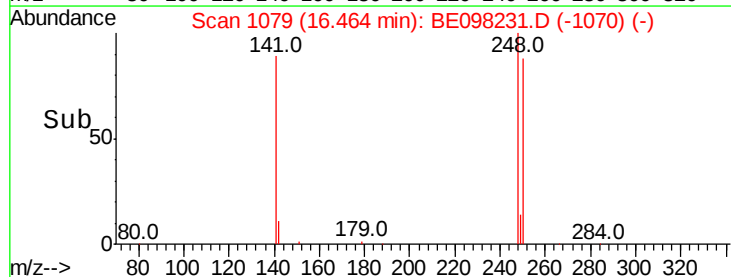
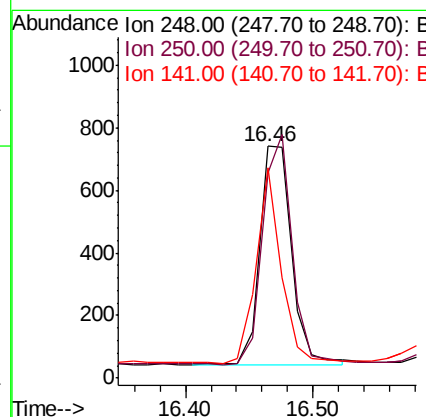
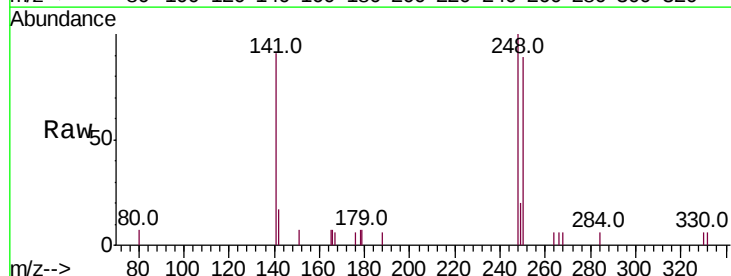
Manual Integrations  
APPROVED

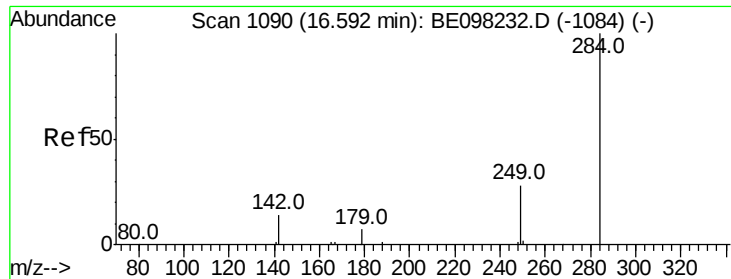
Sohil  
11/19/2018 3:44:01 PM



#20  
4-Bromophenyl-phenylether  
Concen: 0.204 ng  
RT: 16.46 min Scan# 1079  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:248 | Resp: | 1209  |
| Ion Ratio   | Lower | Upper |
| 248 100     |       |       |
| 250 88.6    | 77.6  | 116.4 |
| 141 90.8    | 65.8  | 98.8  |





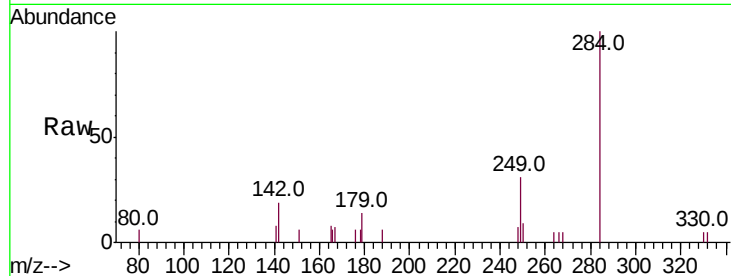
#21  
Hexachlorobenzene  
Concen: 0.208 ng  
RT: 16.59 min Scan# 1090  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

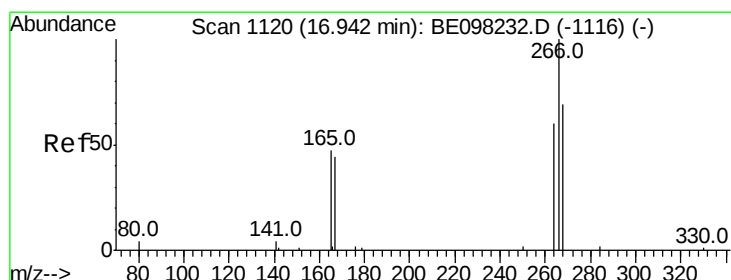
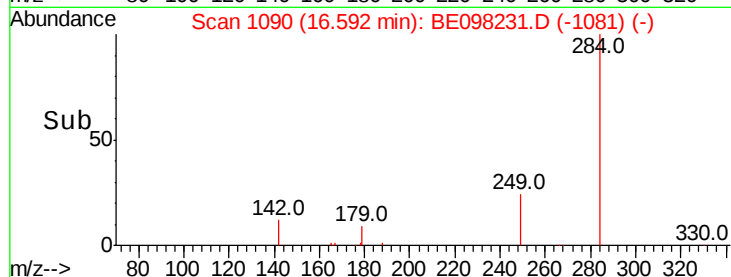
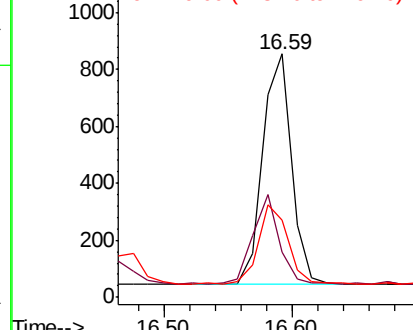
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.6  | 26.5  | 39.7  |
| 249     | 34.8  | 28.4  | 42.6  |

Manual Integrations  
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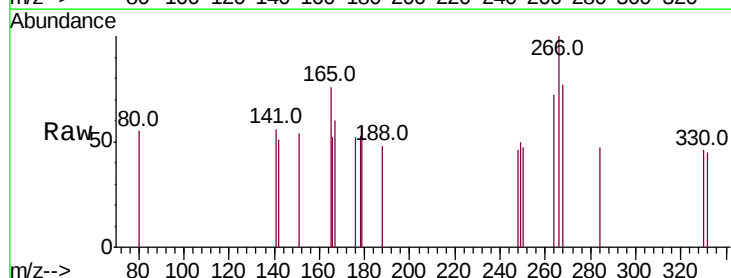


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

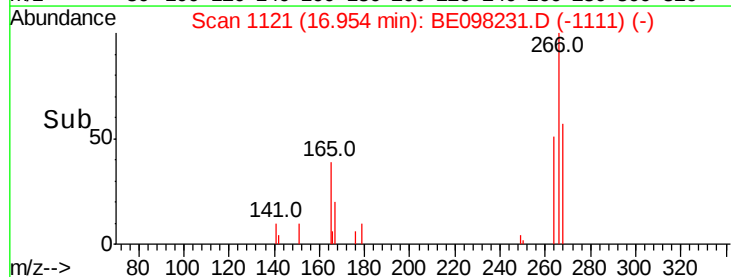
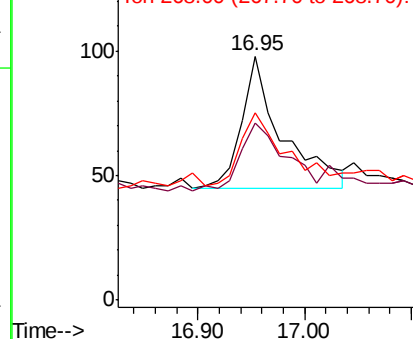


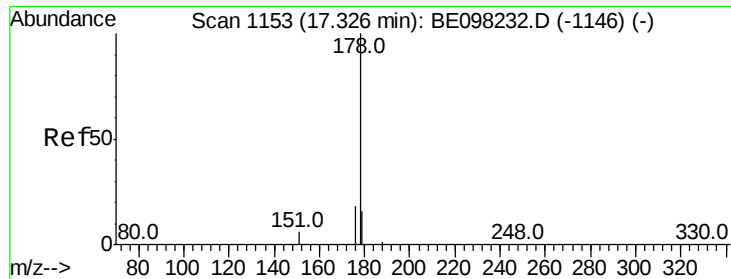
#22  
Pentachlorophenol  
Concen: 0.129 ng  
RT: 16.95 min Scan# 1121  
Delta R.T. 0.01 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 72.4  | 57.6  | 86.4  |
| 268     | 76.5  | 56.8  | 85.2  |



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





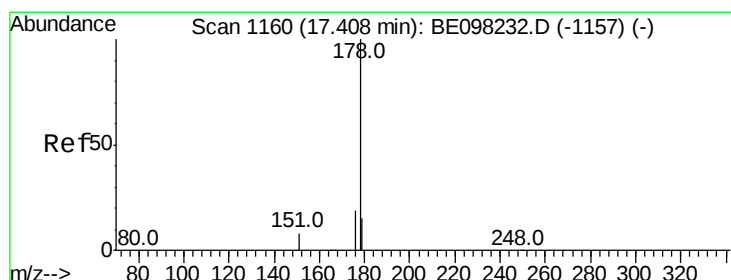
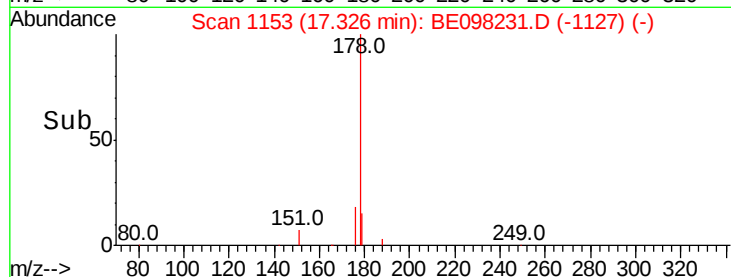
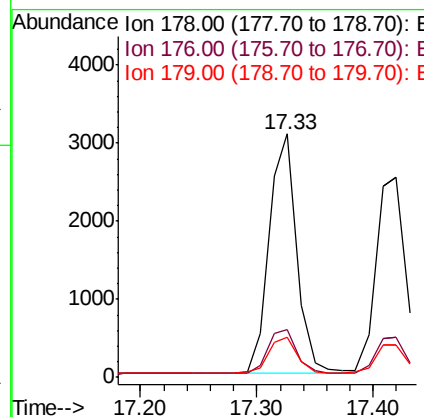
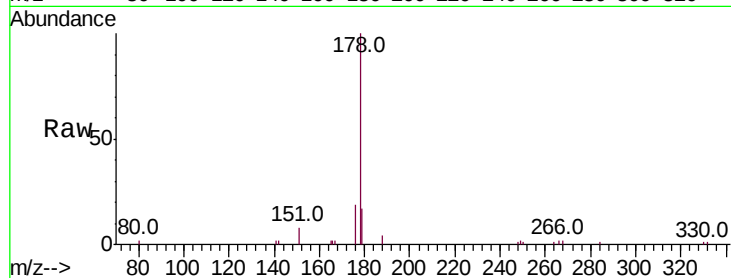
#23  
Phenanthrene  
Concen: 0.209 ng  
RT: 17.33 min Scan# 1153  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.8  | 23.8  |
| 179     | 15.5  | 12.3  | 18.5  |

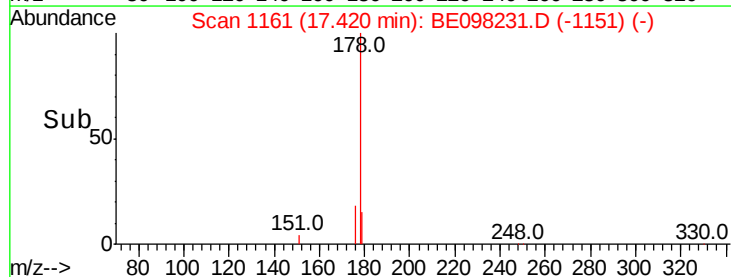
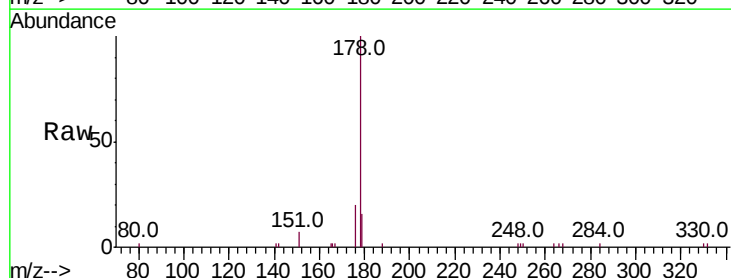
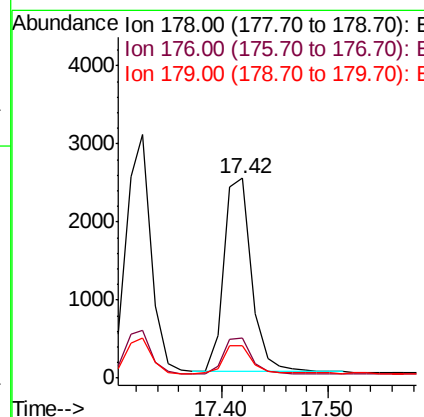
Manual Integrations  
APPROVED

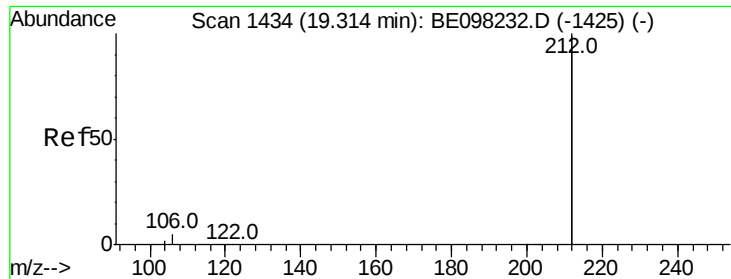
Sohil  
11/19/2018 3:44:01 PM



#24  
Anthracene  
Concen: 0.197 ng  
RT: 17.42 min Scan# 1161  
Delta R.T. 0.01 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.7  | 23.5  |
| 179     | 14.8  | 12.1  | 18.1  |





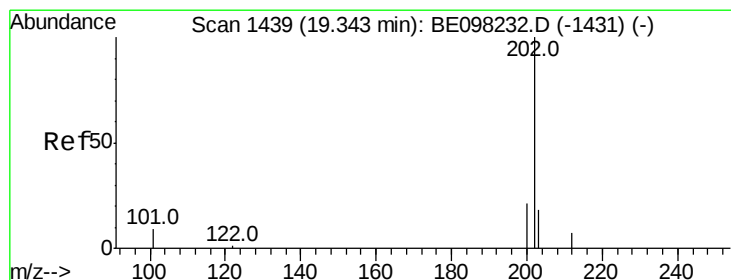
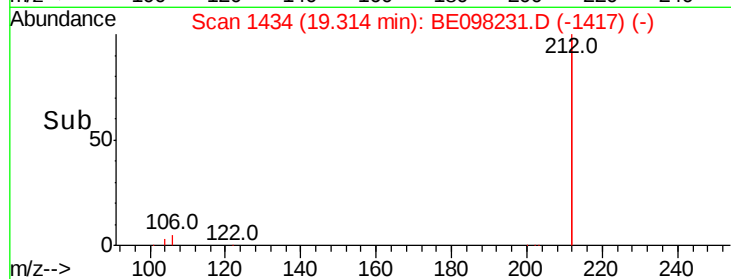
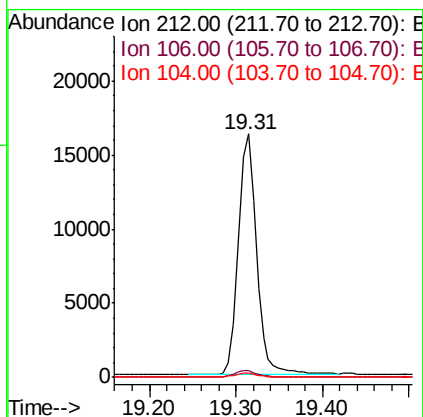
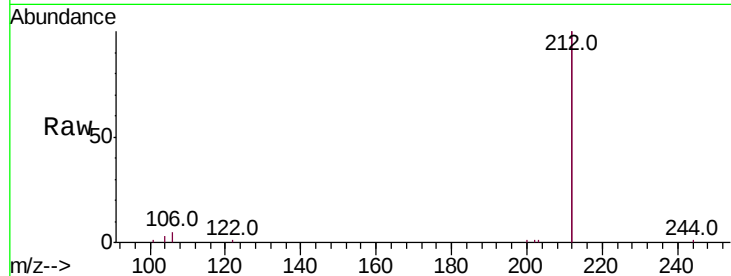
#25  
Fluoranthene-d10  
Concen: 0.194 ng  
RT: 19.31 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 2.7   | 1.8   | 2.8   |
| 104     | 1.5   | 1.1   | 1.7   |

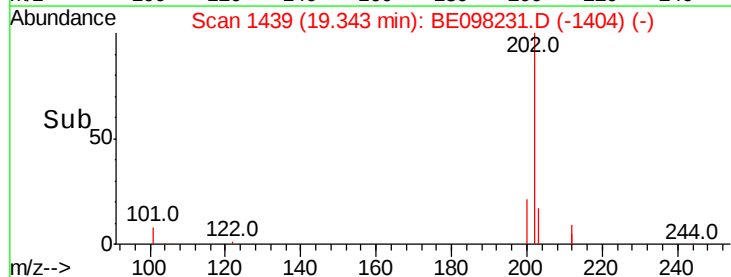
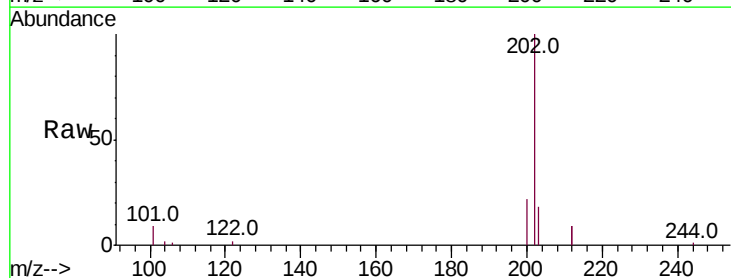
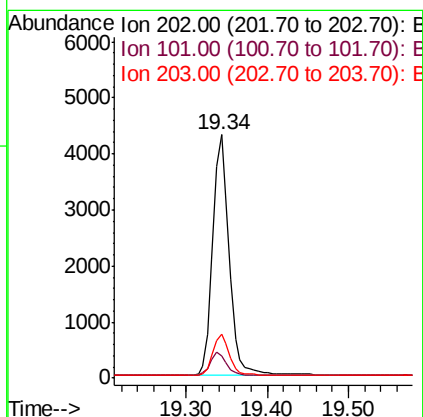
Manual Integrations  
APPROVED

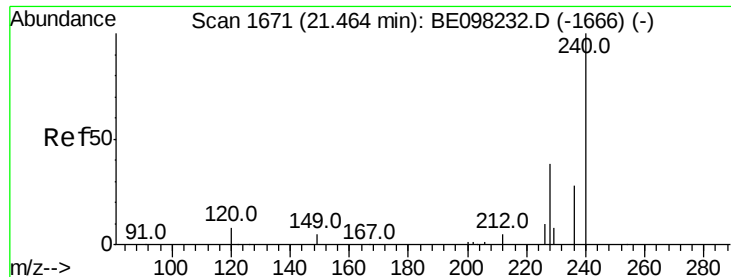
Sohil  
11/19/2018 3:44:01 PM



#26  
Fluoranthene  
Concen: 0.201 ng  
RT: 19.34 min Scan# 1439  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.5   | 7.0   | 10.6  |
| 203     | 16.8  | 13.7  | 20.5  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.2

Tot Ion:240 Resp: 10192

Ion Ratio Lower Upper

240 100

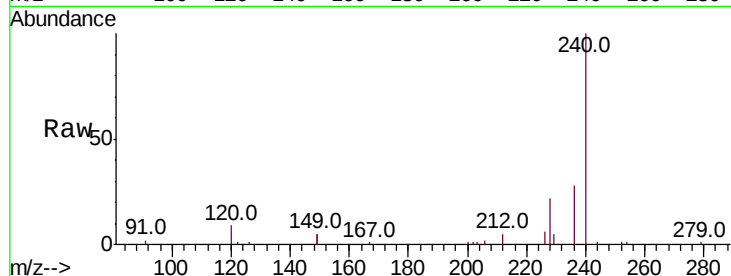
120 9.3 4.8 7.2#

236 27.7 21.4 32.0

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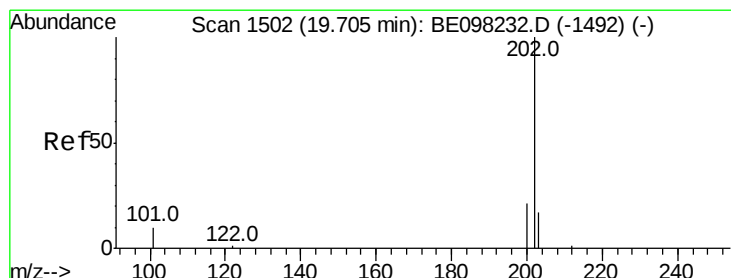
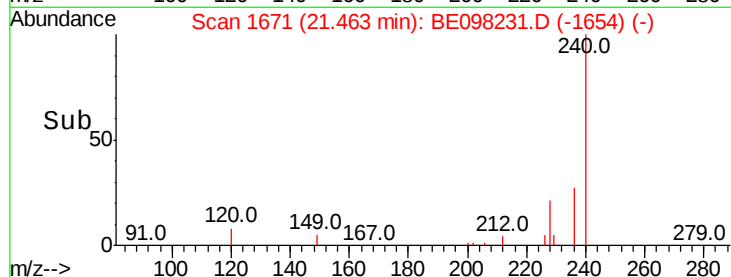
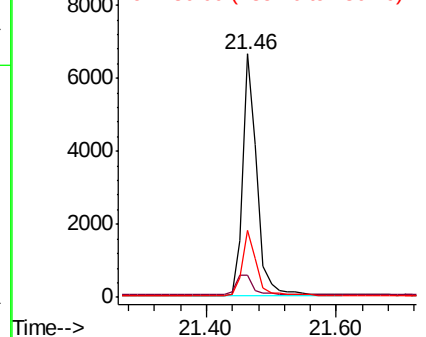
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.220 ng

RT: 19.71 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

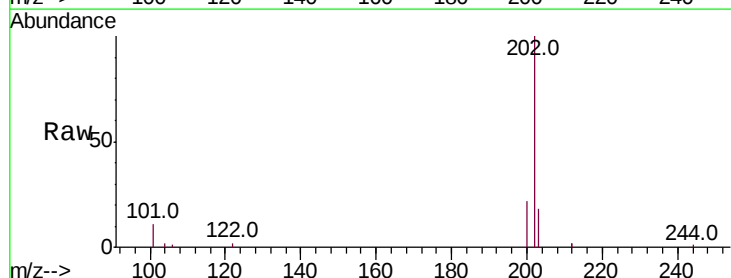
Tgt Ion:202 Resp: 6157

Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

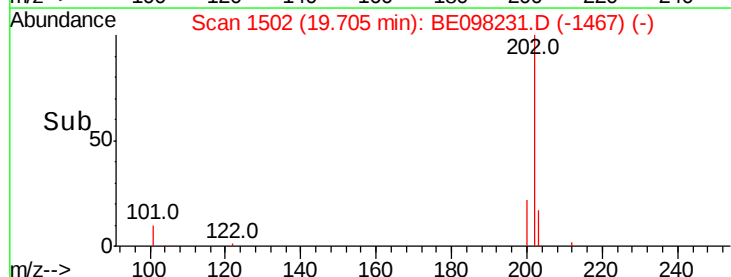
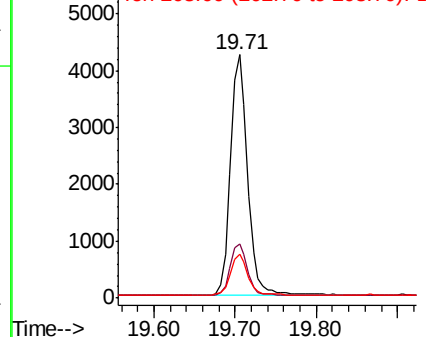
203 17.0 14.2 21.4

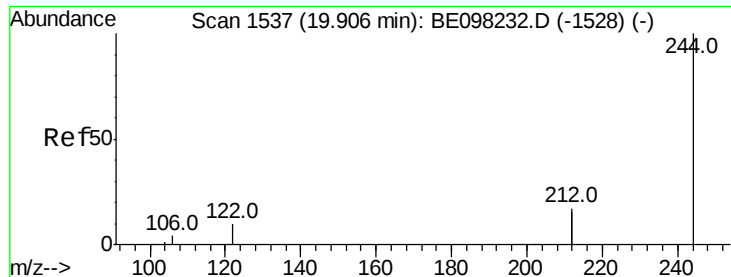


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.210 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

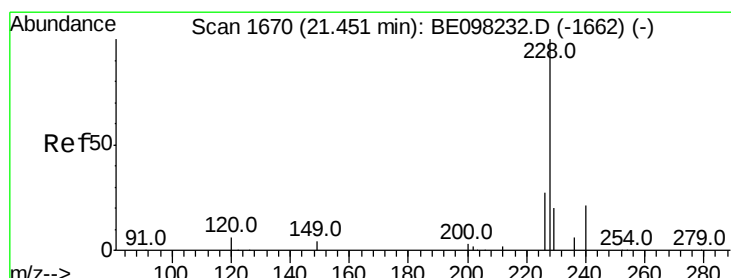
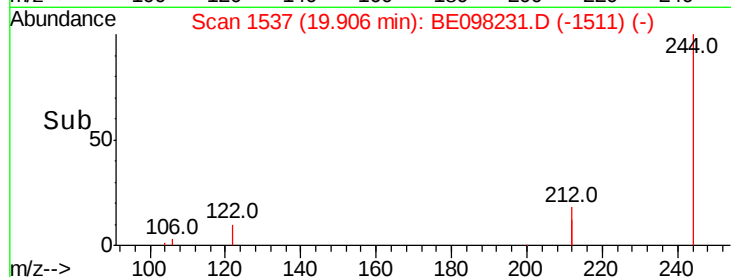
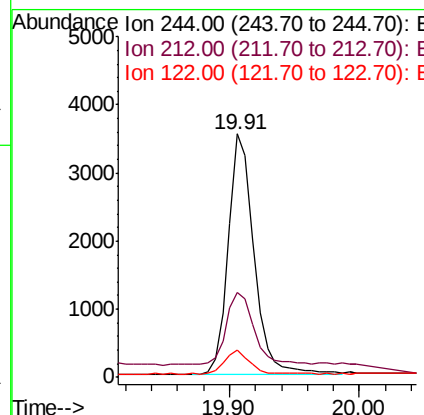
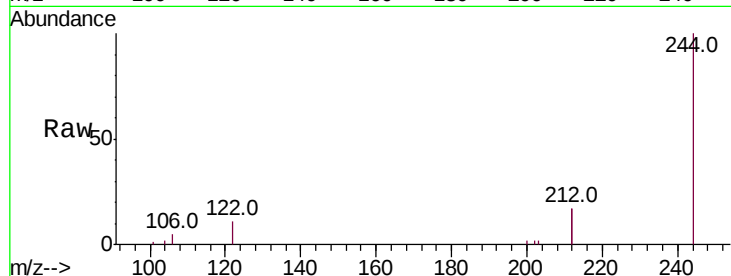
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 35.0  | 26.8  | 40.2  |
| 122     | 11.1  | 7.0   | 10.6  |

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#30

Benzo(a)anthracene

Concen: 0.199 ng

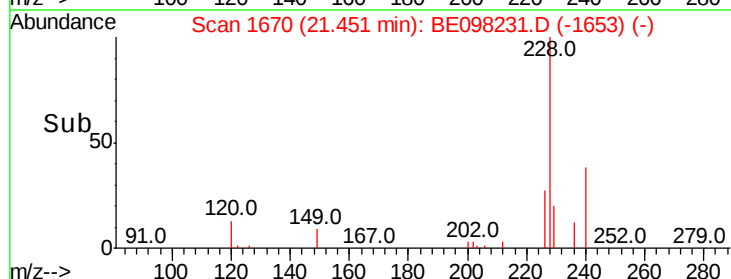
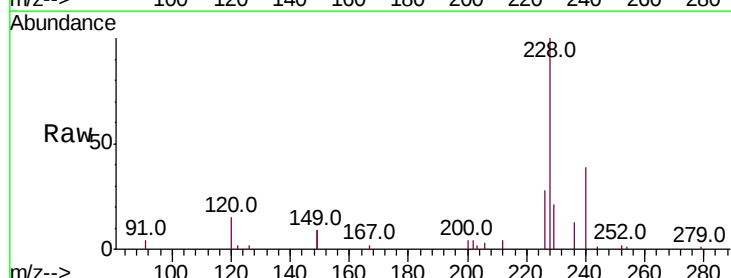
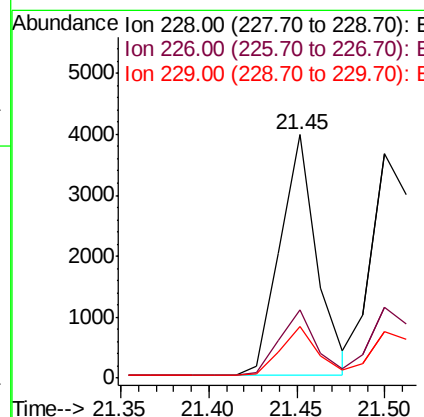
RT: 21.45 min Scan# 1670

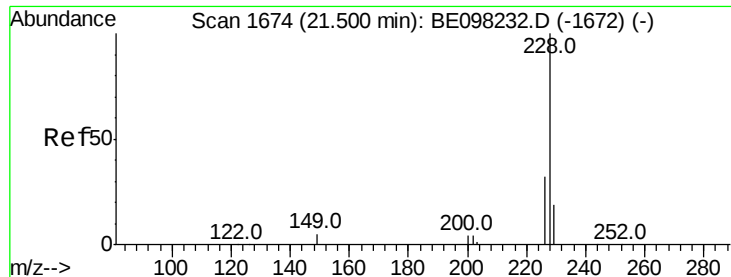
Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.3  | 20.7  | 31.1  |
| 229     | 21.1  | 16.2  | 24.4  |





#31

Chrysene

Concen: 0.208 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

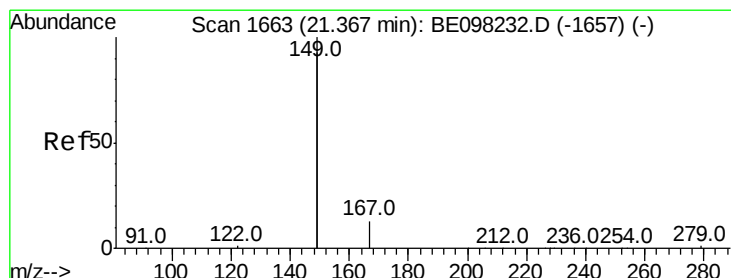
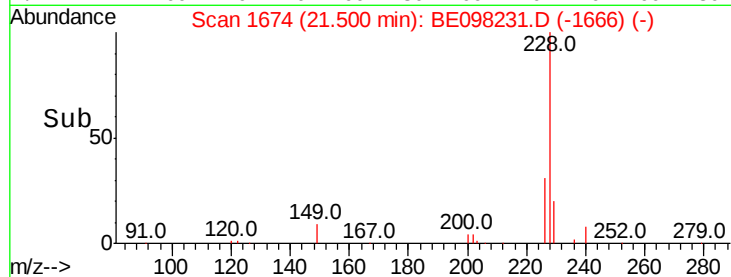
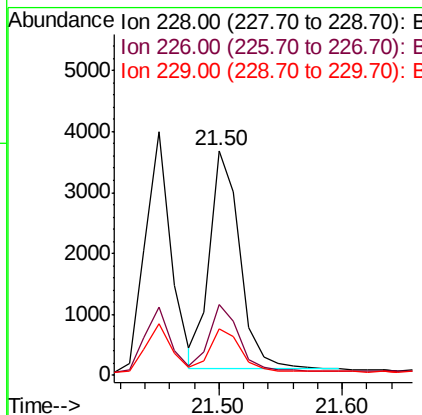
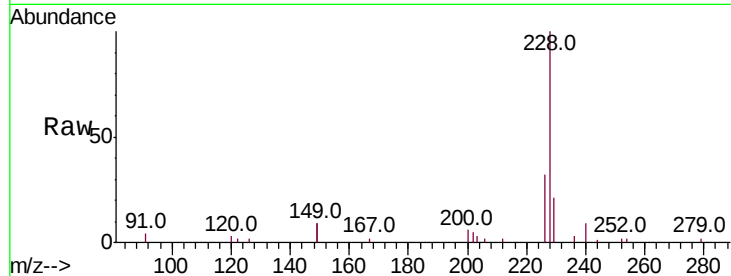
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 6121 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.6  | 24.6  | 36.8 |
| 229       | 20.8  | 16.0  | 24.0 |

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

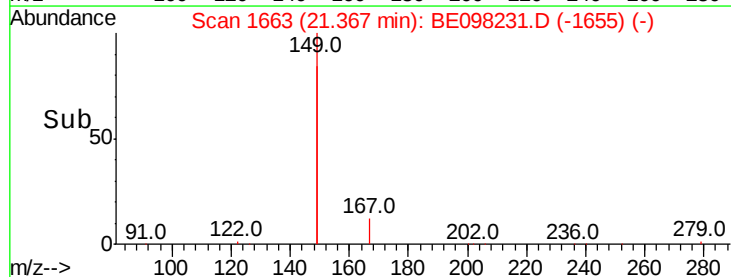
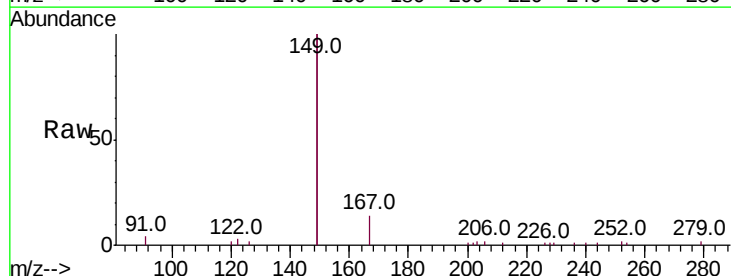
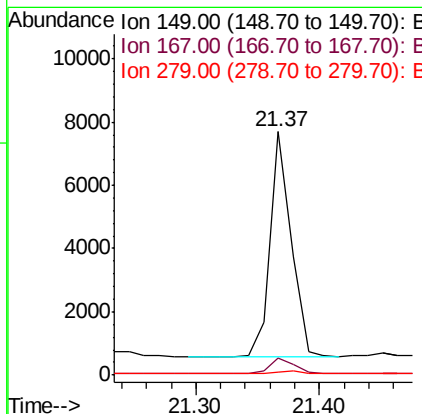
RT: 21.37 min Scan# 1663

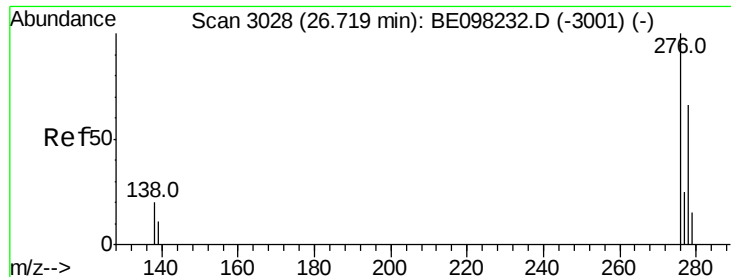
Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 8501 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 7.3   | 5.6   | 8.4  |
| 279       | 1.1   | 0.9   | 1.3  |





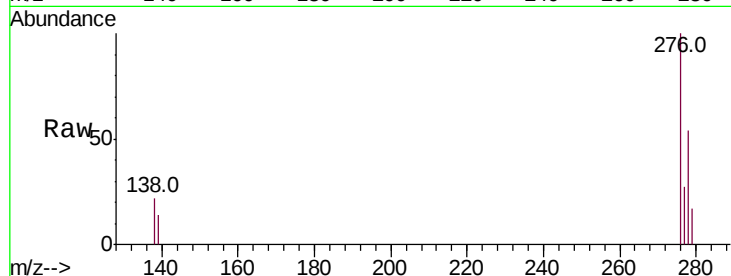
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.181 ng  
RT: 26.72 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.2

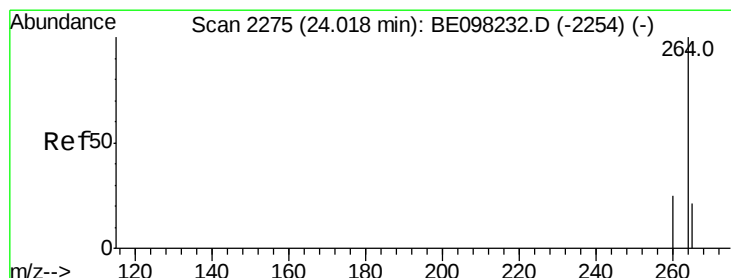
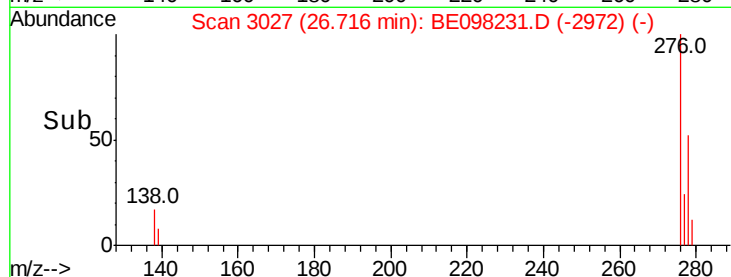
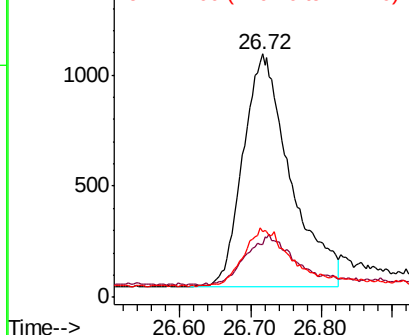
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.0  | 6.4   | 9.6#  |
| 277     | 24.6  | 18.9  | 28.3  |

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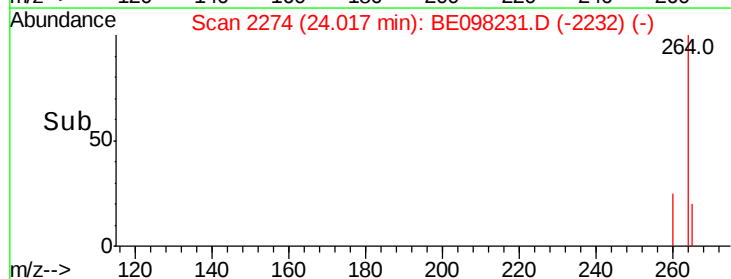
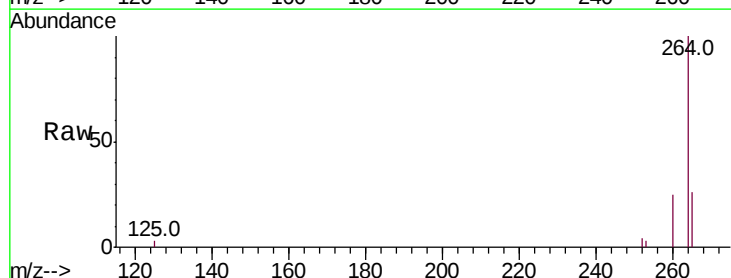
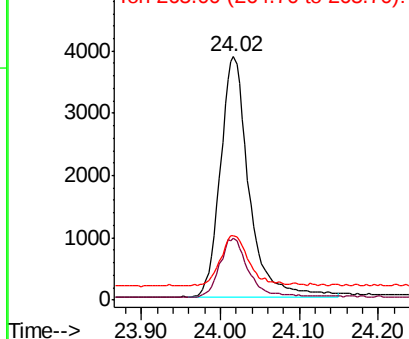
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

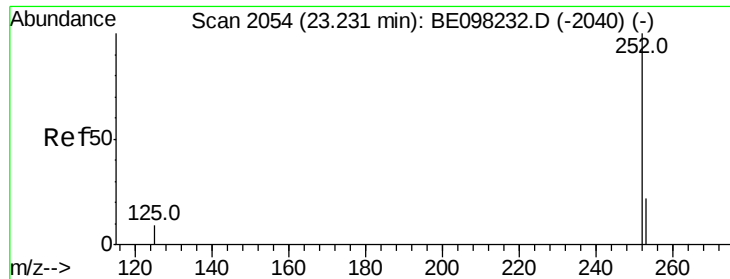


#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.02 min Scan# 2274  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 19.9  | 29.9  |
| 265     | 26.2  | 21.3  | 31.9  |

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





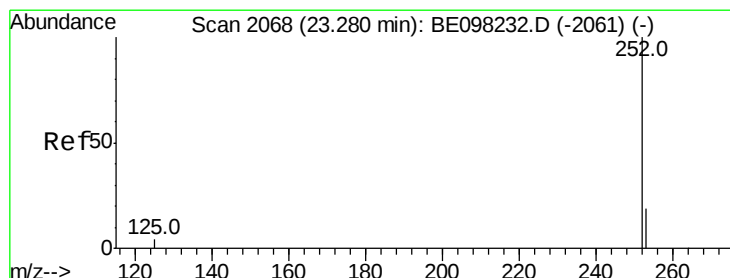
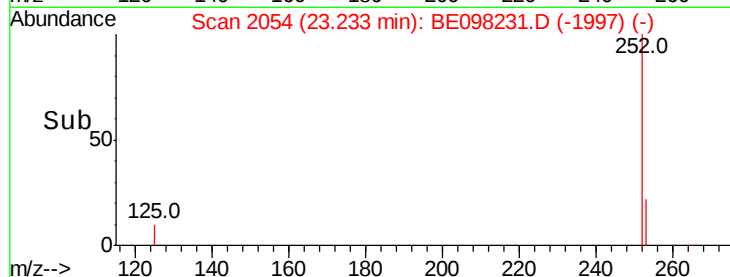
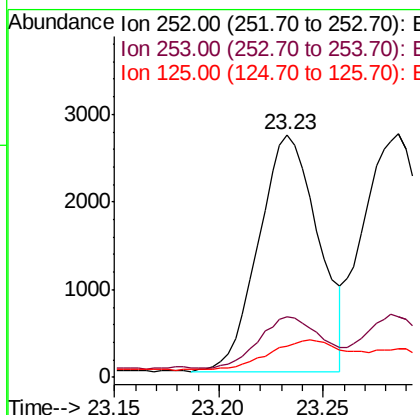
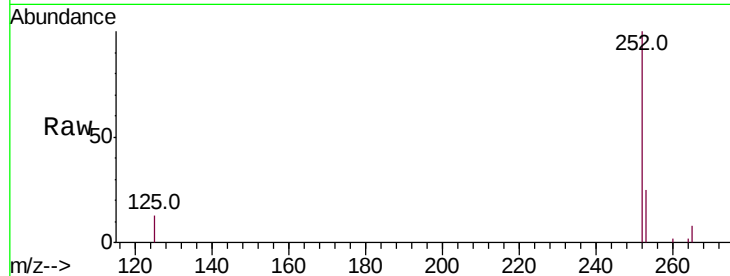
#35  
Benzo(b)fluoranthene  
Concen: 0.196 ng m  
RT: 23.23 min Scan# 2054  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.0  | 19.4  | 29.0  |
| 125     | 12.9  | 8.6   | 12.8  |

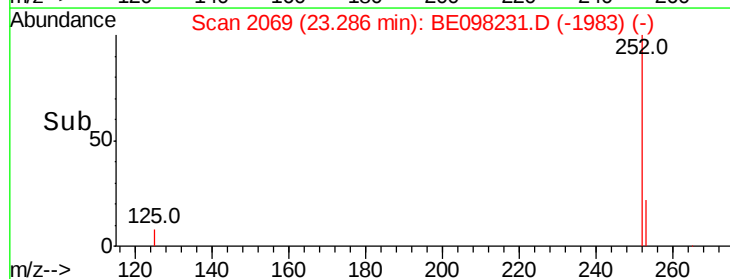
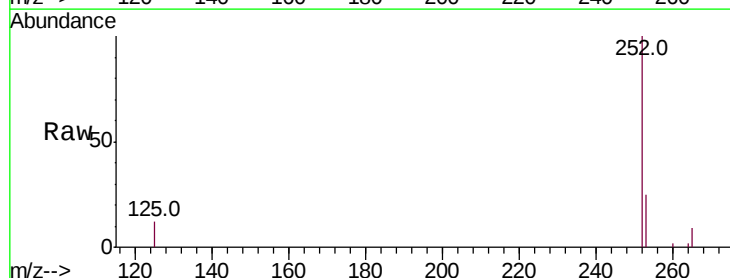
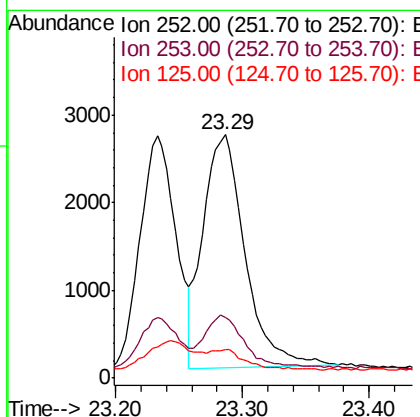
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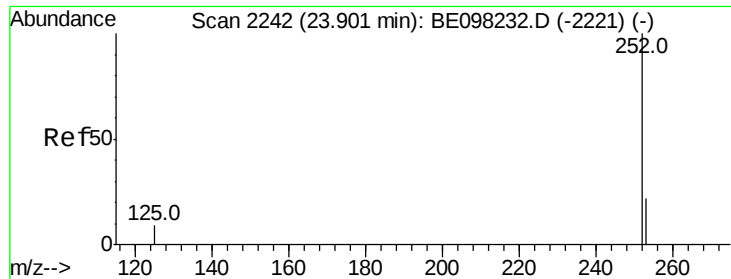
Sohil  
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#36  
Benzo(k)fluoranthene  
Concen: 0.210 ng  
RT: 23.29 min Scan# 2069  
Delta R.T. 0.01 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.6  | 28.0  |
| 125     | 11.7  | 7.4   | 11.0  |





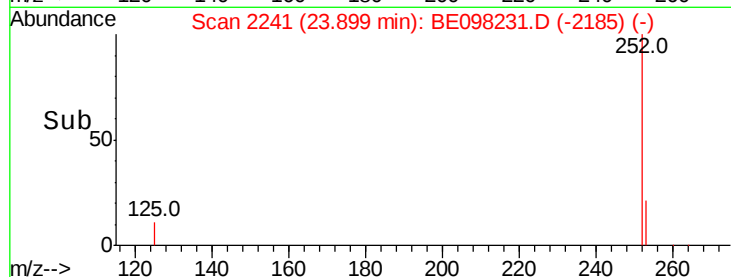
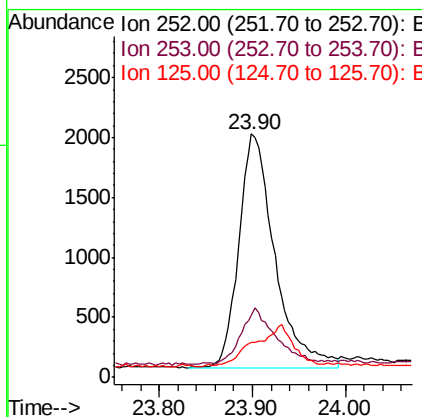
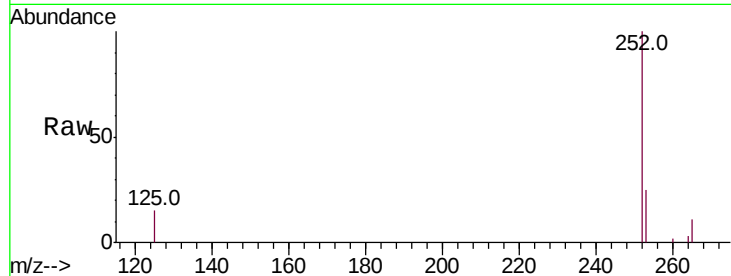
#37  
Benzo(a)pyrene  
Concen: 0.199 ng  
RT: 23.90 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 18.6  | 27.8  |
| 125     | 14.6  | 8.0   | 12.0  |

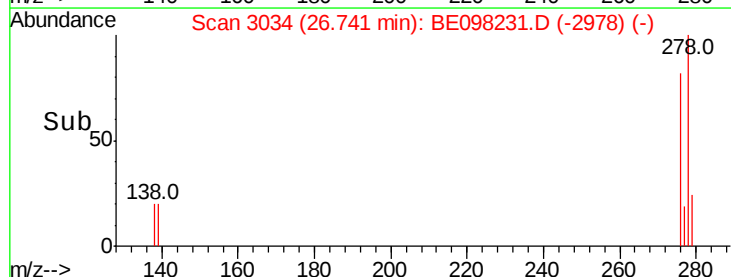
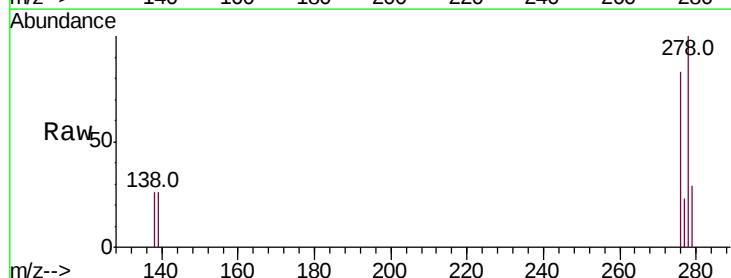
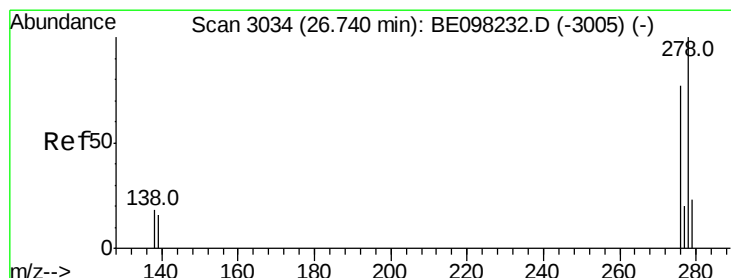
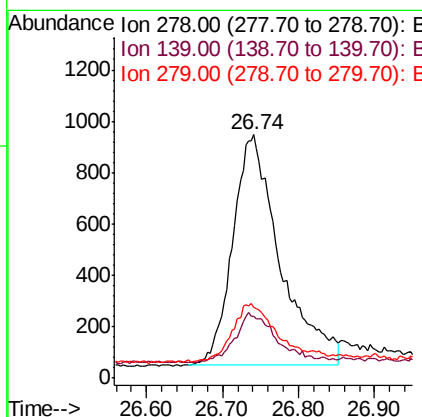
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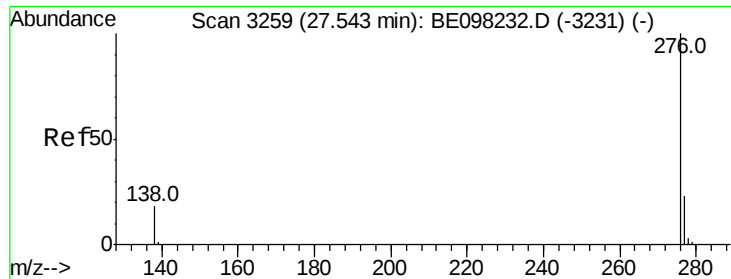
Sohil  
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.173 ng  
RT: 26.74 min Scan# 3034  
Delta R.T. 0.00 min  
Lab File: BE098231.D  
Acq: 16 Nov 2018 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.6  | 16.4  | 24.6  |
| 279     | 29.1  | 21.3  | 31.9  |





#39

Benzo(a,h,i)perylene

Concen: 0.198 ng

RT: 27.54 min Scan# 3258

Delta R.T. -0.00 min

Lab File: BE098231.D

Acq: 16 Nov 2018 16:01

Instrument :

BNA\_E

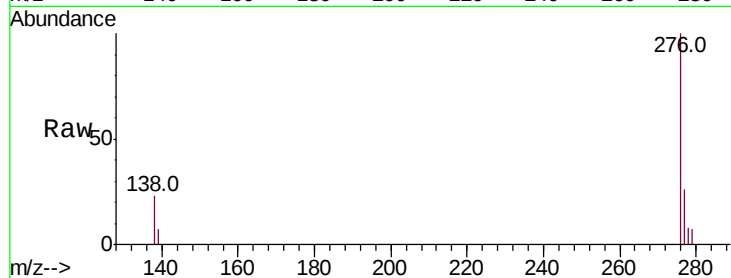
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 276   | Resp: | 4659 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 277       | 25.9  | 20.4  | 30.6 |
| 138       | 23.2  | 13.2  | 19.8 |

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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

