

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\  
 Data File : BF097197.D  
 Acq On : 29 Jul 2017 11:51  
 Operator : SJ/JU  
 Sample : I4444-10DL 10X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

Manual Integrations  
 APPROVED

Sohil  
 7/31/2017 6:53:19 PM

Quant Time: Jul 31 03:54:34 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 99551    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.77  | 136  | 386902   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.52  | 164  | 150550   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 10.99 | 188  | 213394   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.62 | 240  | 182594   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 14.96 | 264  | 135289   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 75072    | 11.37  | ng    | 0.00     |
| 7) Phenol-d6                | 6.15  | 99   | 77959    | 10.34  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.06  | 82   | 35335    | 5.36   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.30 | 330  | 8602     | 7.23   | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.85  | 172  | 67749    | 7.64   | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.57 | 244  | 45563    | 5.09   | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 7.79  | 128  | 124787   | 6.842  | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.49  | 142  | 32700    | 2.832  | ng    | 95       |
| 51) Acenaphthene            | 9.55  | 154  | 51624    | 6.034  | ng    | 99       |
| 54) Dibenzofuran            | 9.72  | 168  | 66409    | 5.827  | ng    | 99       |
| 57) Fluorene                | 10.06 | 166  | 85076    | 9.933  | ng    | 97       |
| 59) Diethylphthalate        | 9.95  | 149  | 27111    | 2.585  | ng    | 99       |
| 70) Phenanthrene            | 11.02 | 178  | 492163   | 43.045 | ng    | 98       |
| 71) Anthracene              | 11.06 | 178  | 176523   | 15.074 | ng    | 98       |
| 72) Carbazole               | 11.23 | 167  | 44975    | 3.905  | ng    | # 97     |
| 74) Fluoranthene            | 12.20 | 202  | 674036   | 60.176 | ng    | 99       |
| 77) Pyrene                  | 12.42 | 202  | 601944   | 40.268 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.60 | 228  | 314160   | 26.591 | ng    | 98       |
| 82) Chrysene                | 13.64 | 228  | 261150   | 22.637 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.19 | 276  | 98749    | 9.982  | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 14.61 | 252  | 270520m  | 33.264 | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.63 | 252  | 91745m   | 11.839 | ng    |          |
| 89) Benzo(a)pyrene          | 14.92 | 252  | 191562   | 25.737 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene  | 16.19 | 278  | 26879    | 4.404  | ng    | # 73     |
| 91) Benzo(a,h,i)perylene    | 16.55 | 276  | 88633    | 13.847 | ng    | 98       |

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

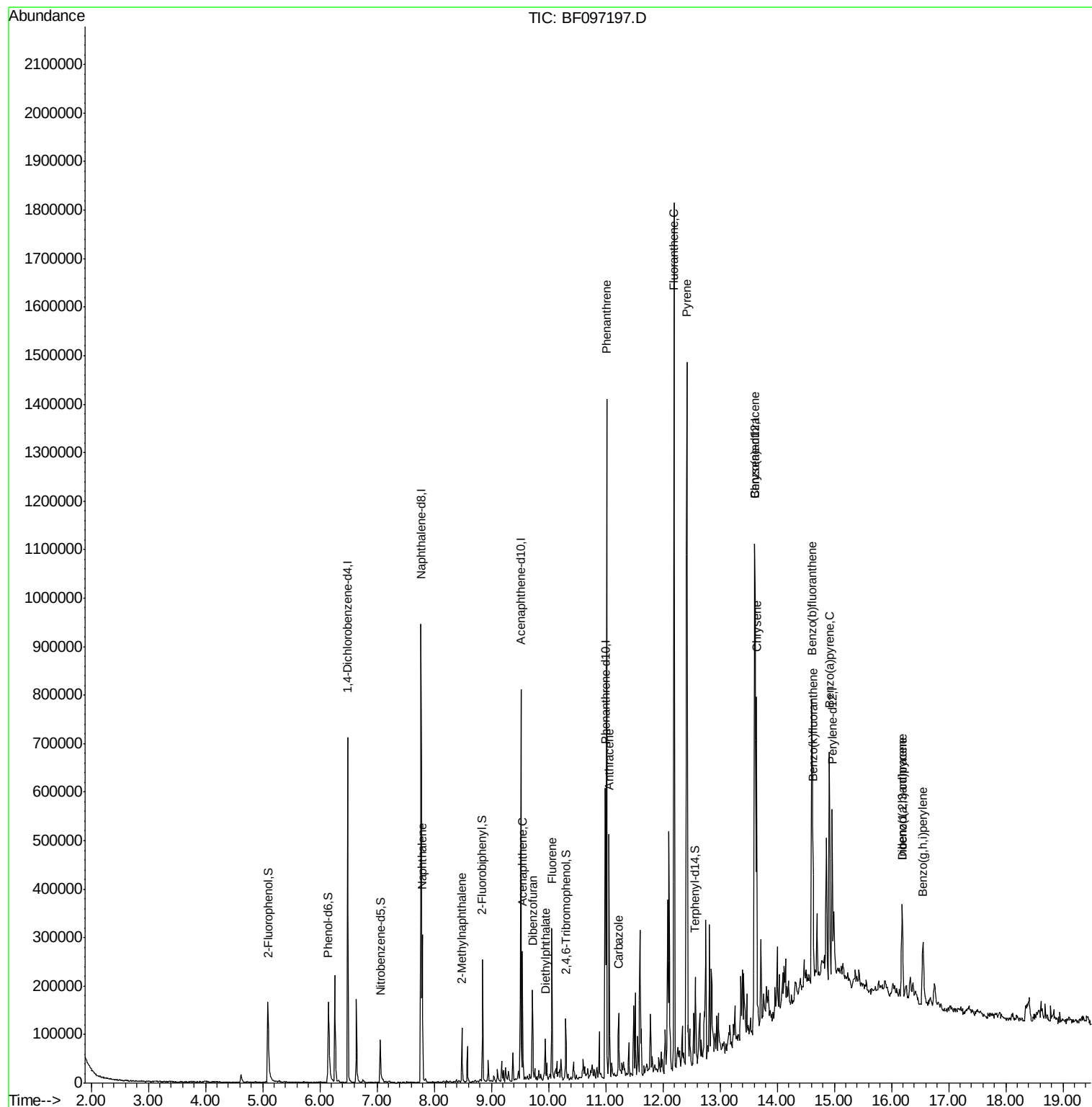
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\  
Data File : BF097197.D  
Acq On : 29 Jul 2017 11:51  
Operator : SJ/JU  
Sample : I4444-10DL 10X  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

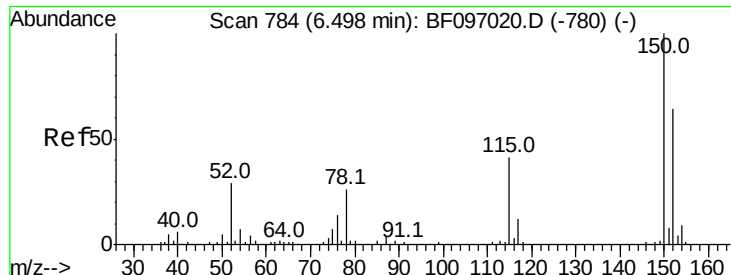
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

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Quant Time: Jul 31 03:54:34 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 14:11:51 2017  
Response via : Initial Calibration





#1

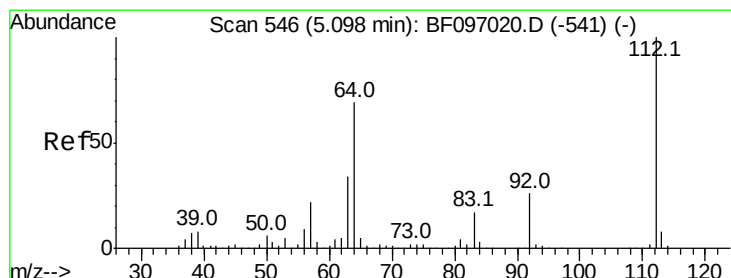
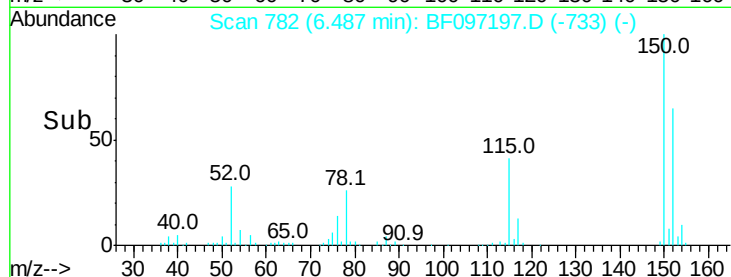
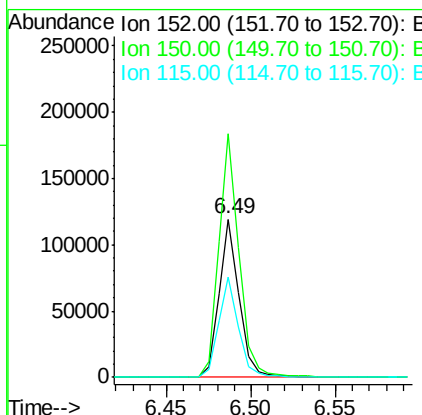
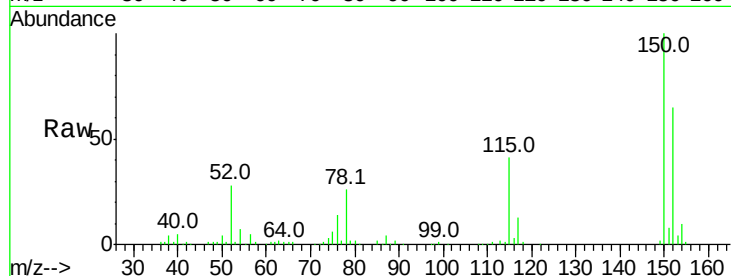
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.49 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.7 | 126.2 | 189.2 |
| 115     | 63.2  | 52.2  | 78.2  |

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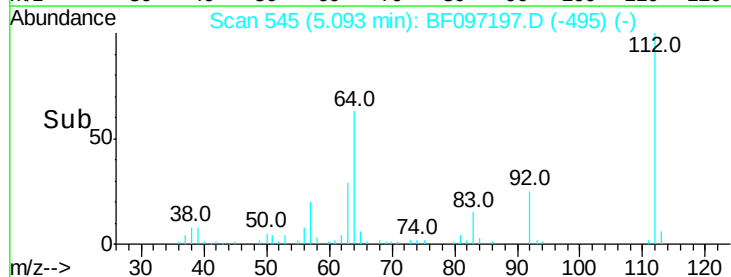
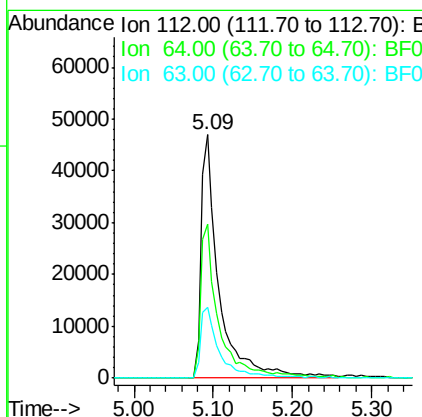
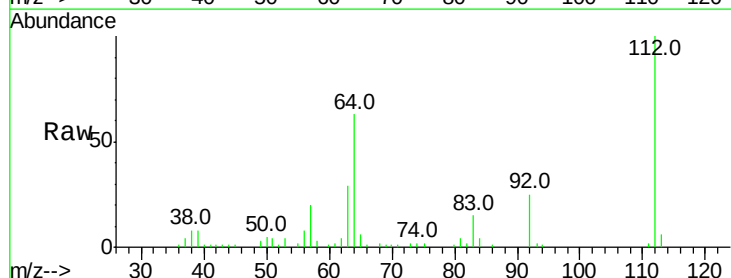
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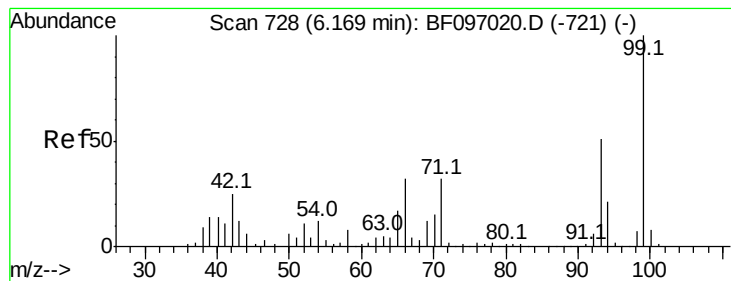


#5

2-Fluorophenol  
Concen: 11.368 ng  
RT: 5.09 min Scan# 545  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.4  | 46.0  | 69.0  |
| 63      | 29.0  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 10.341 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

Instrument :

BNA\_F

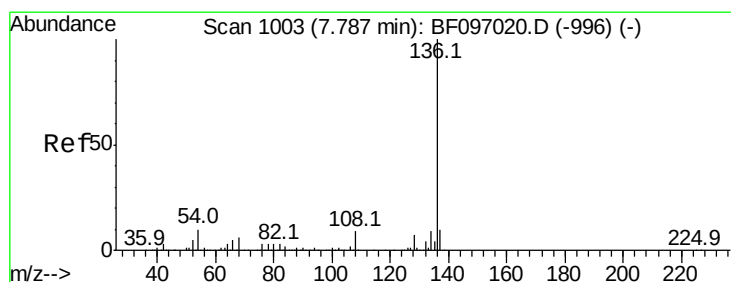
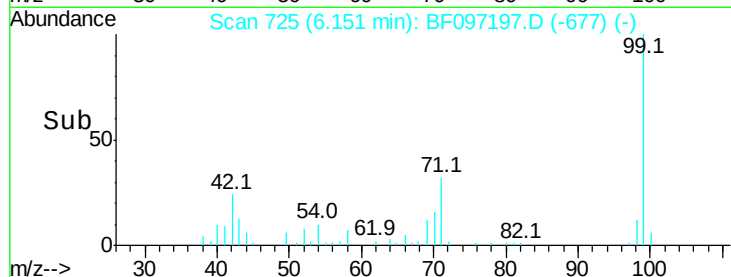
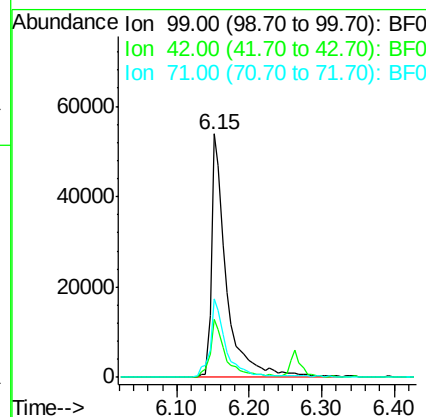
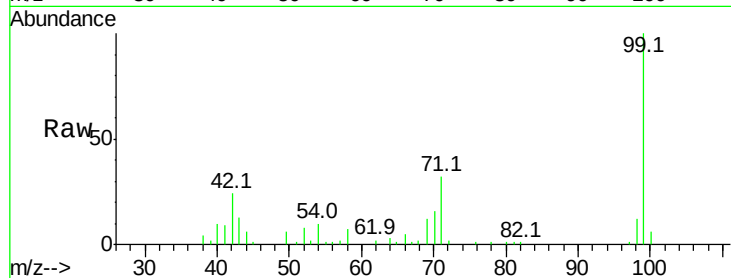
ClientSampleId :

EO-02-072517-DDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 77959 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 23.6  | 13.5  | 20.3# |
| 71        | 32.3  | 24.5  | 36.7  |

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#21

Naphthalene-d8

Concen: 20.000 ng

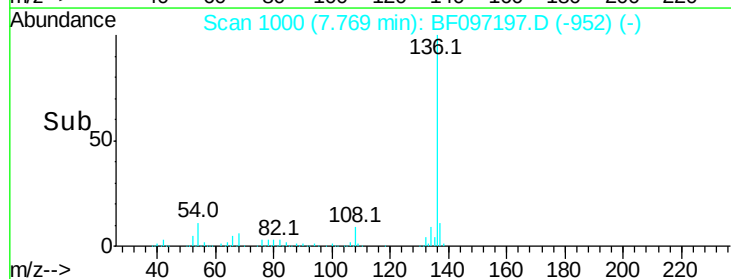
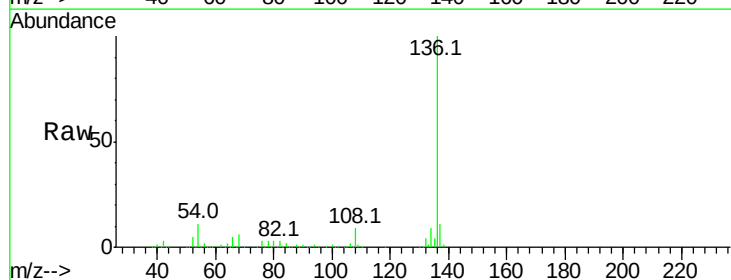
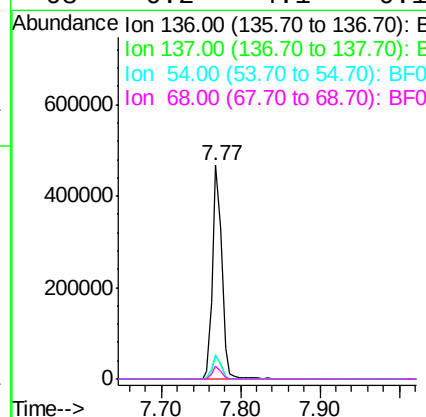
RT: 7.77 min Scan# 1000

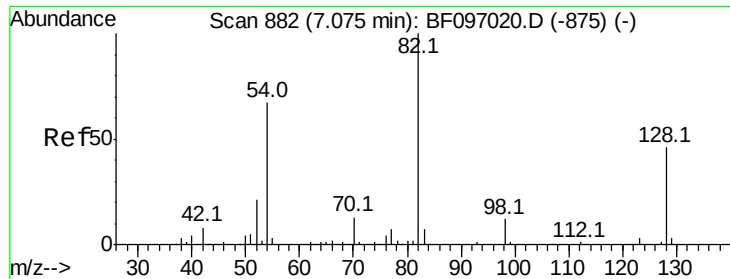
Delta R.T. -0.02 min

Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 386902 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.5   | 12.7   |
| 54        | 11.1  | 4.9   | 7.3#   |
| 68        | 6.2   | 4.1   | 6.1#   |





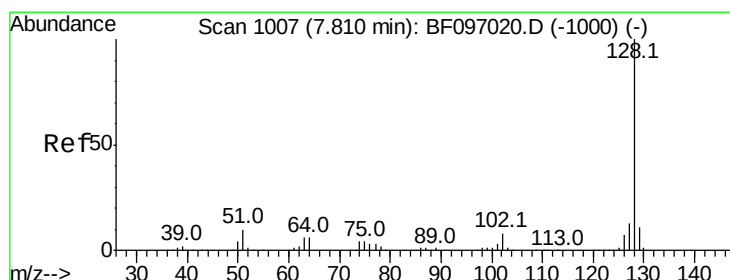
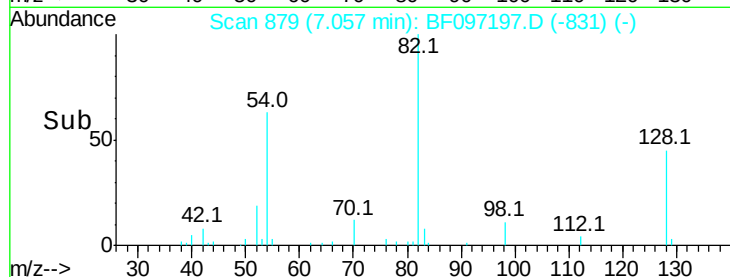
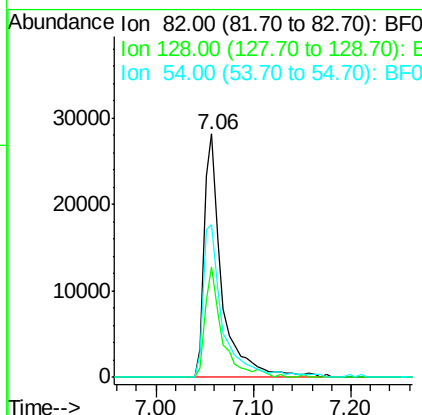
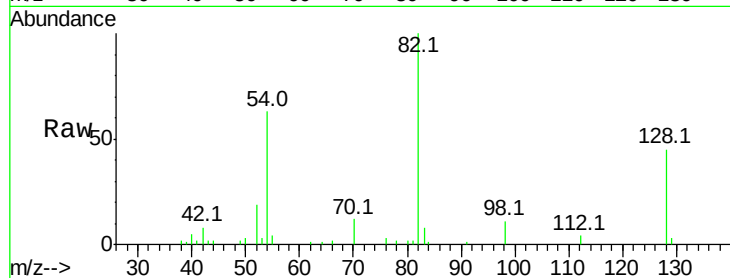
#23  
 Nitrobenzene-d5  
 Concen: 5.358 ng  
 RT: 7.06 min Scan# 879  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.3  | 34.0  | 51.0  |
| 54      | 62.8  | 42.2  | 63.2  |

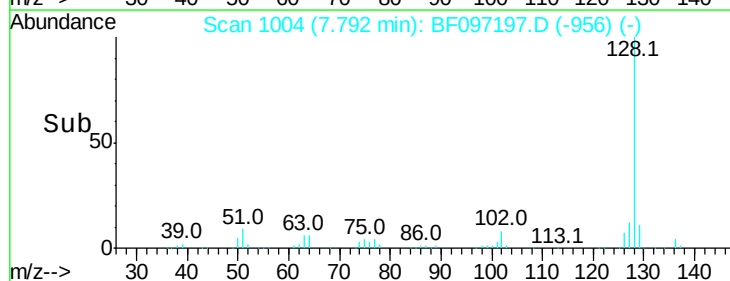
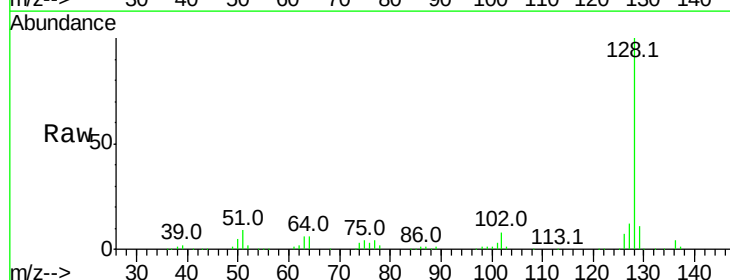
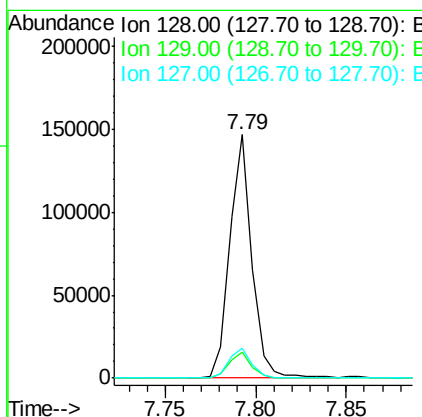
Manual Integrations  
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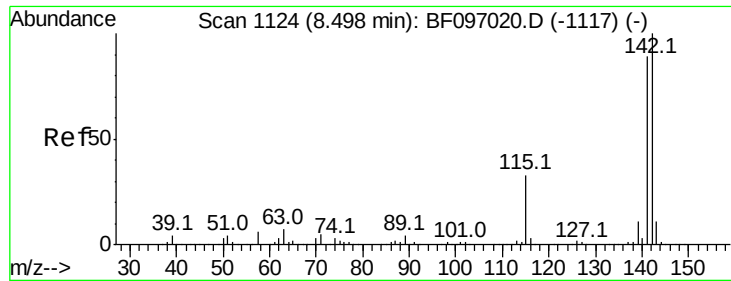
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#31  
 Naphthalene  
 Concen: 6.842 ng  
 RT: 7.79 min Scan# 1004  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 9.0   | 13.6  |
| 127     | 12.2  | 10.8  | 16.2  |





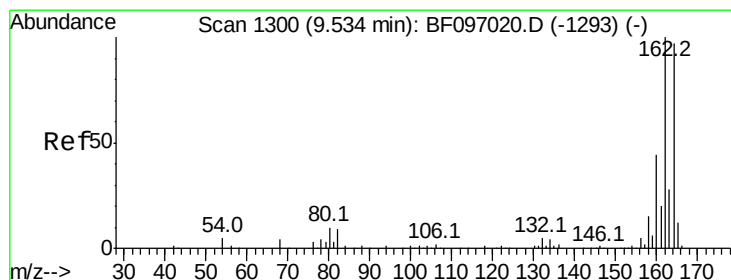
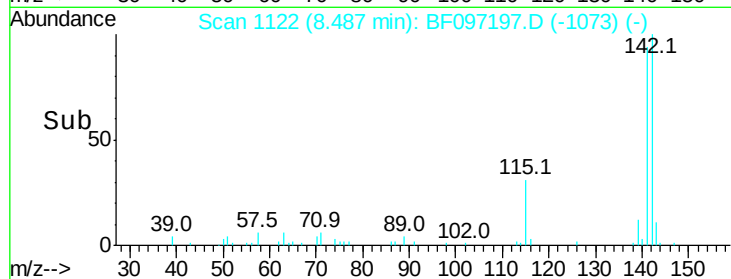
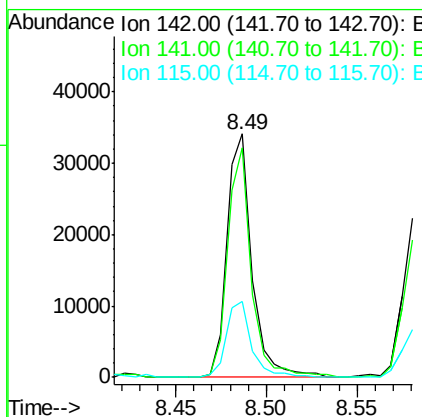
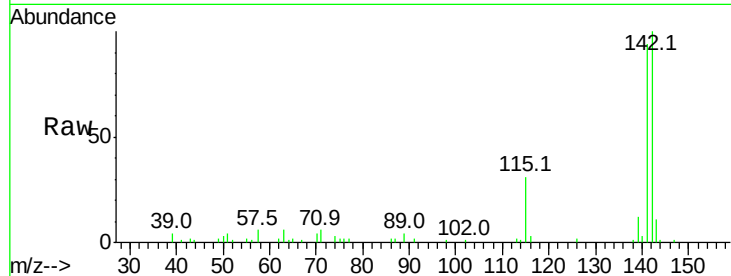
#37  
2-Methylnaphthalene  
Concen: 2.832 ng  
RT: 8.49 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.2  | 71.3  | 106.9 |
| 115     | 31.0  | 27.1  | 40.7  |

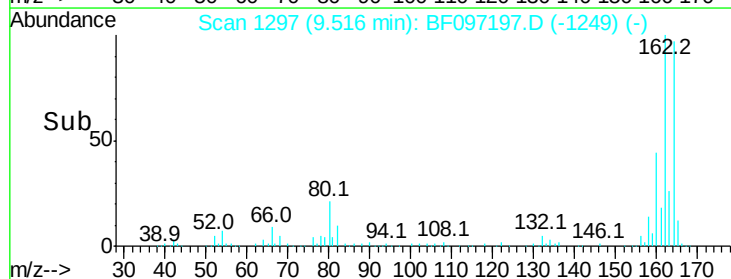
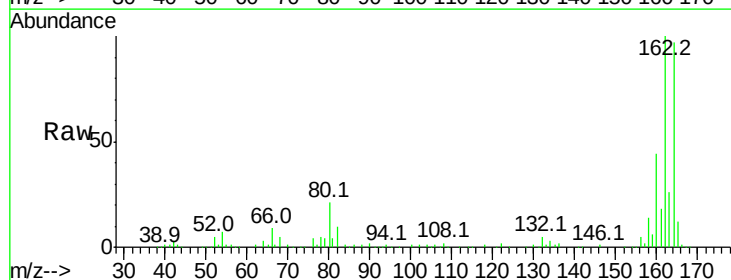
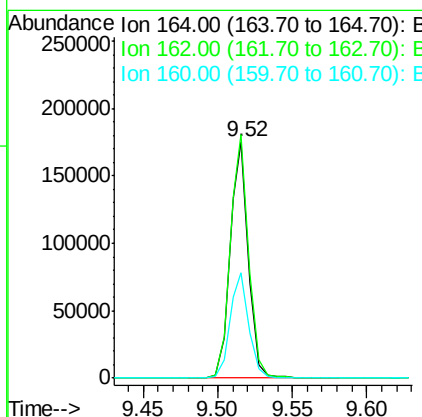
Manual Integrations  
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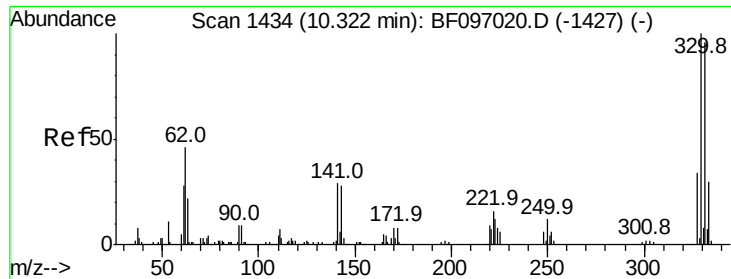
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.52 min Scan# 1297  
Delta R.T. -0.02 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 82.6  | 123.8 |
| 160     | 44.8  | 36.2  | 54.2  |





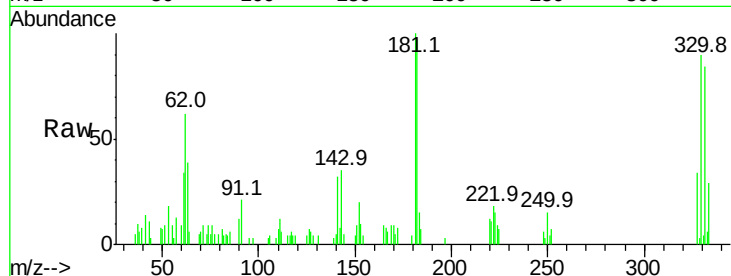
#41  
 2,4,6-Tribromophenol  
 Concen: 7.232 ng  
 RT: 10.30 min Scan# 1431  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

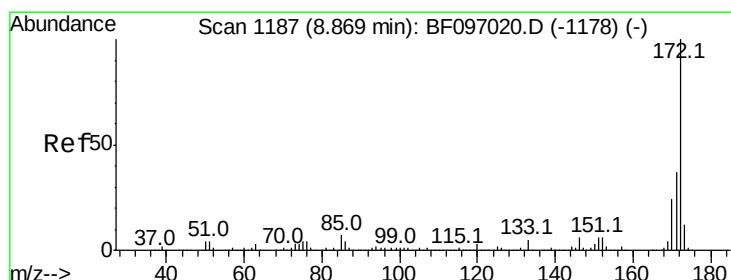
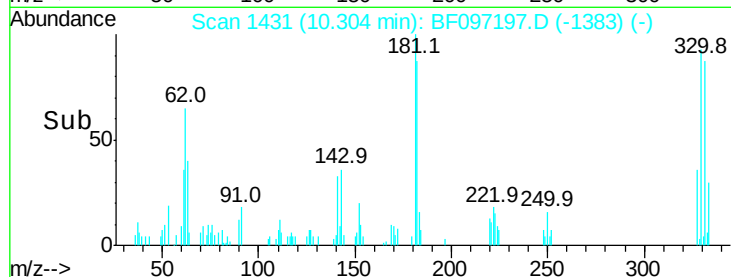
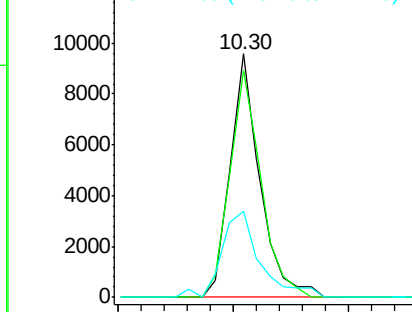
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.6  | 115.0 |
| 141     | 45.7  | 31.4  | 47.2  |

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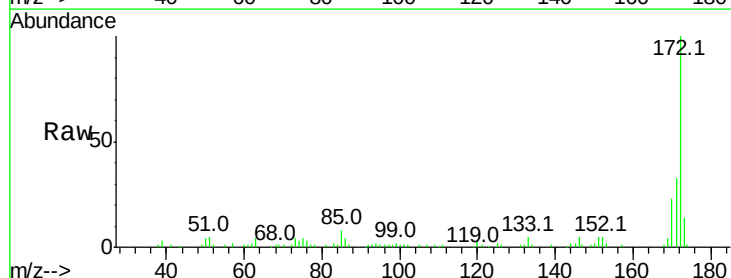


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

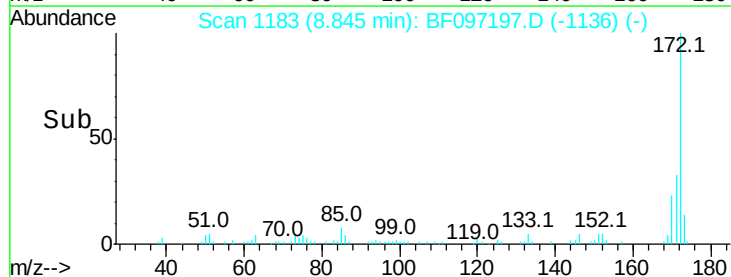
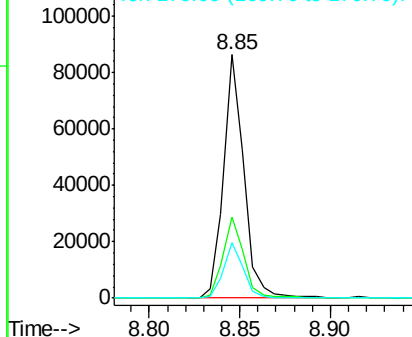


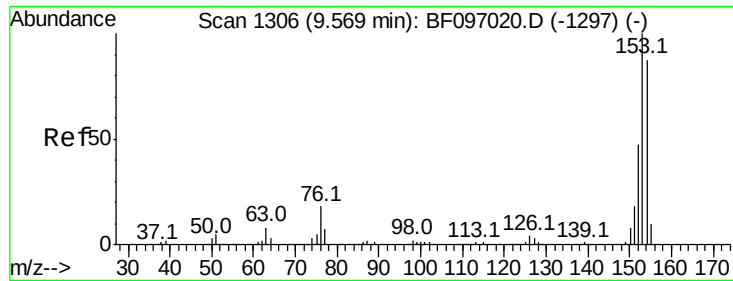
#44  
 2-Fluorobiphenyl  
 Concen: 7.637 ng  
 RT: 8.85 min Scan# 1183  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.0  | 29.6  | 44.4  |
| 170     | 22.6  | 19.8  | 29.8  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 6.034 ng

RT: 9.55 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

Instrument :

BNA\_F

ClientSampleId :

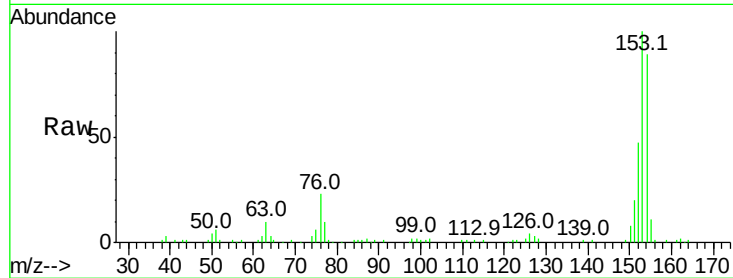
EO-02-072517-DDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 51624 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 112.8 | 90.5  | 135.7 |
| 152       | 53.5  | 43.6  | 65.4  |

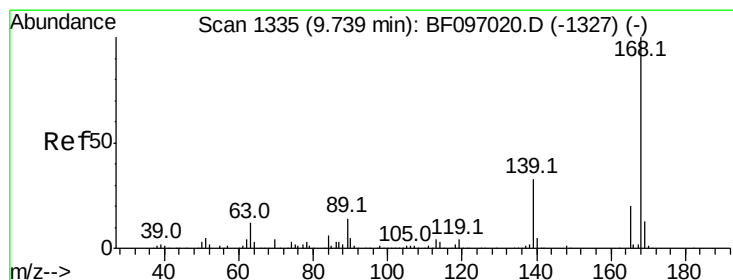
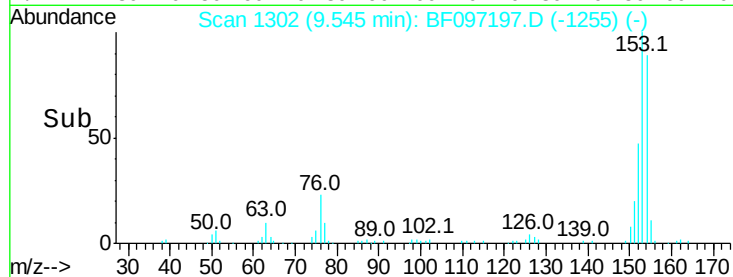
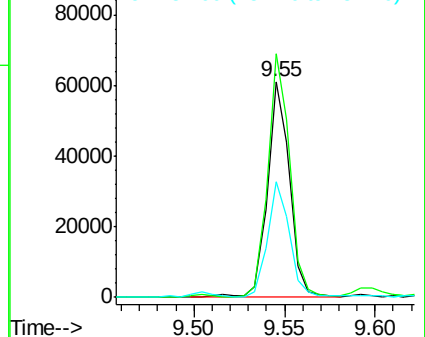
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.827 ng

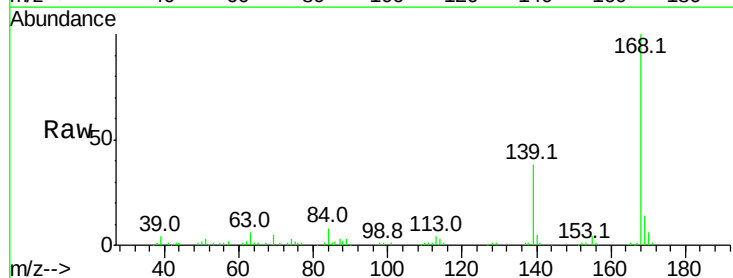
RT: 9.72 min Scan# 1332

Delta R.T. -0.02 min

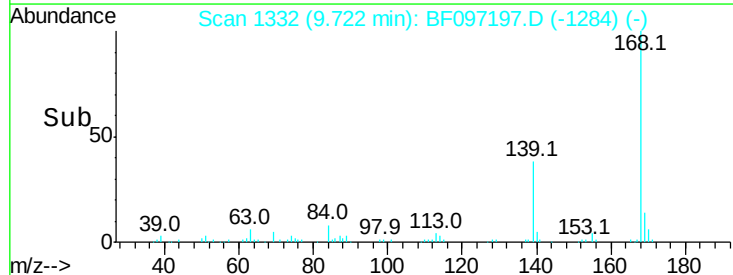
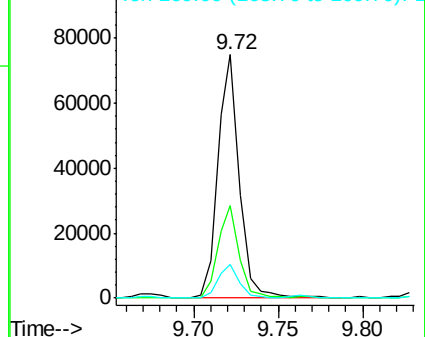
Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

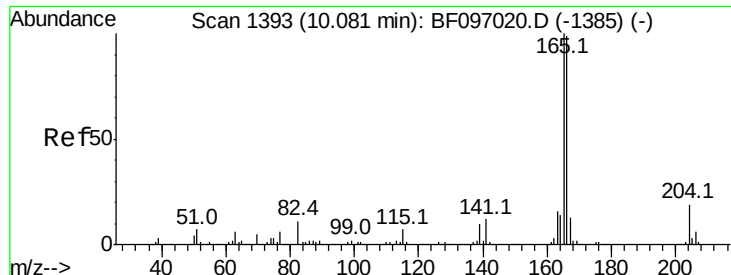
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 66409 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 37.9  | 30.6  | 45.8  |
| 169       | 14.0  | 10.8  | 16.2  |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E







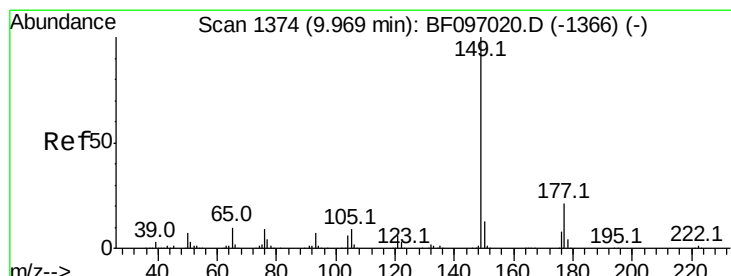
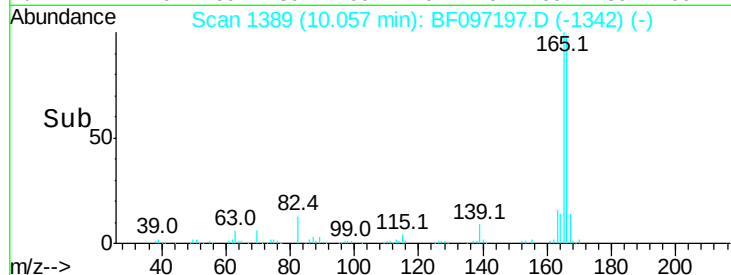
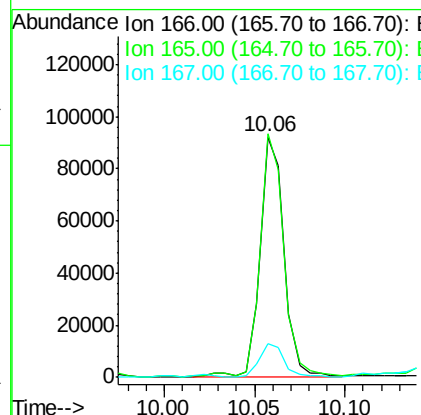
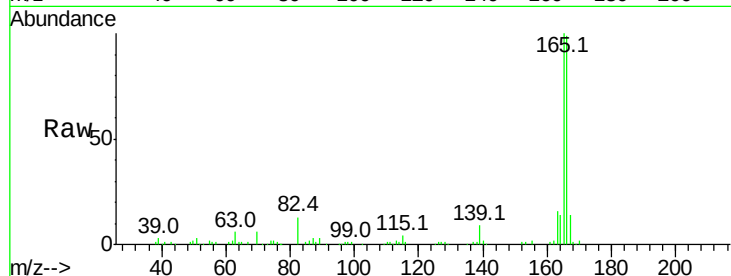
#57  
**Fluorene**  
 Concen: 9.933 ng  
 RT: 10.06 min Scan# 1389  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 166   | Resp: | 85076 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 101.3 | 78.8  | 118.2 |
| 167       | 13.8  | 10.6  | 16.0  |

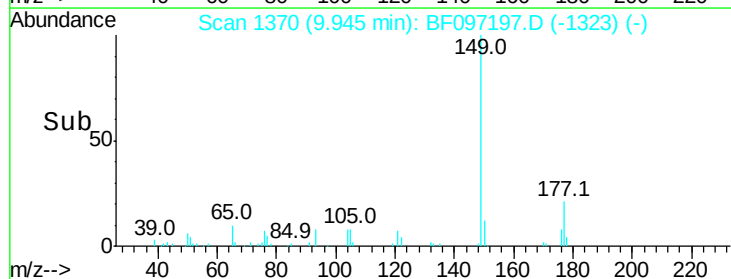
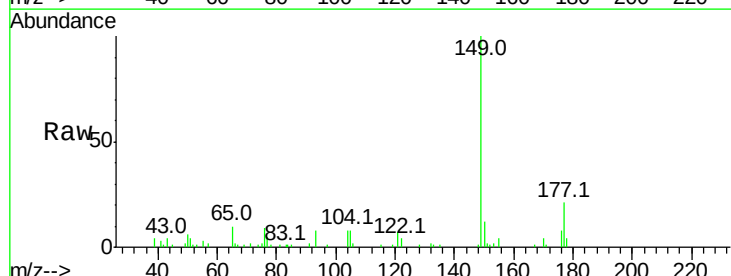
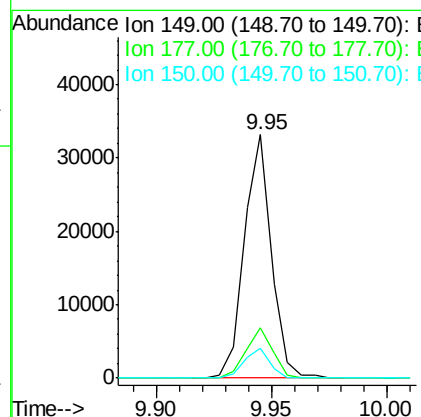
Manual Integrations  
 APPROVED

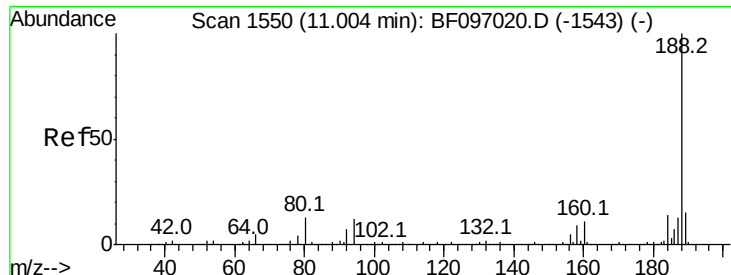
Sohil  
 7/31/2017 6:53:19 PM



#59  
**Diethylphthalate**  
 Concen: 2.585 ng  
 RT: 9.95 min Scan# 1370  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 27111 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 177       | 20.5  | 16.7  | 25.1  |
| 150       | 12.3  | 10.2  | 15.2  |





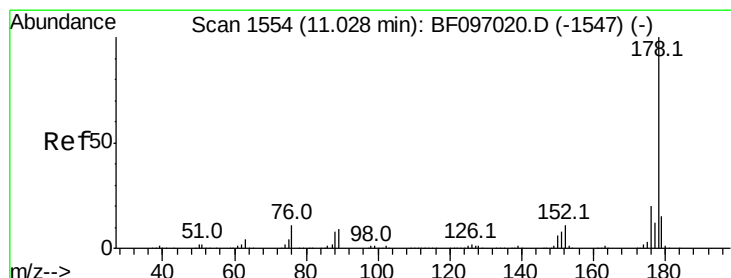
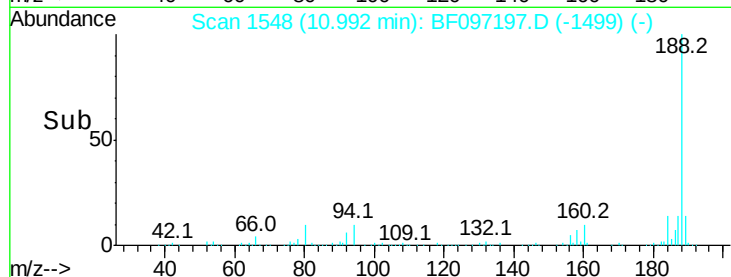
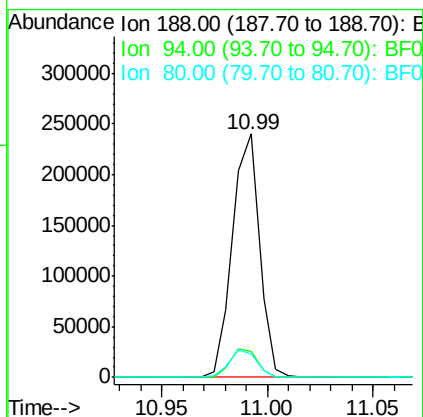
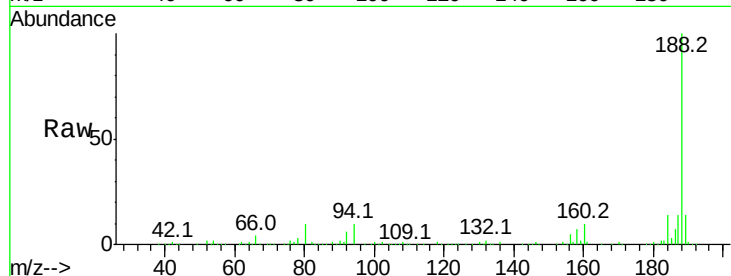
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1548  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 213394 |       |       |
| 94      | 10.5  |        | 9.4   | 14.2  |
| 80      | 9.8   |        | 10.2  | 15.2# |

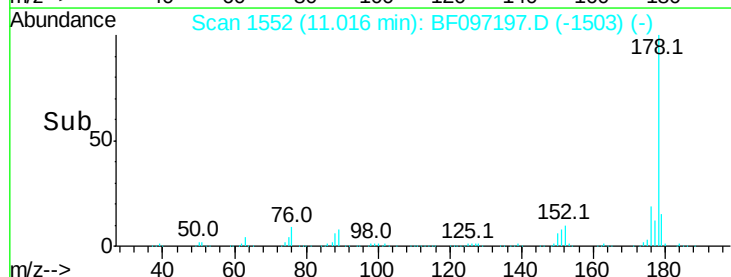
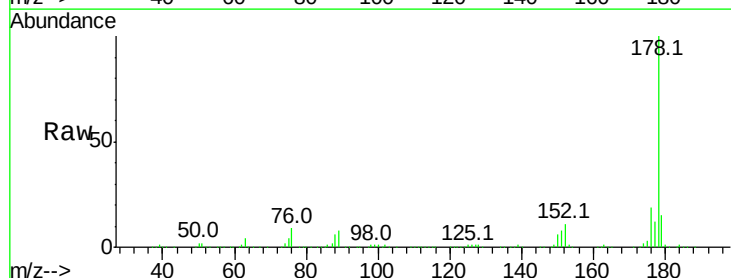
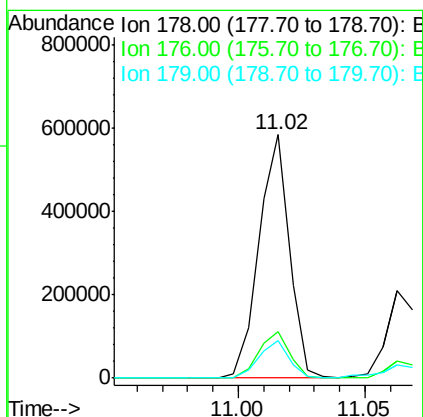
Manual Integrations  
APPROVED

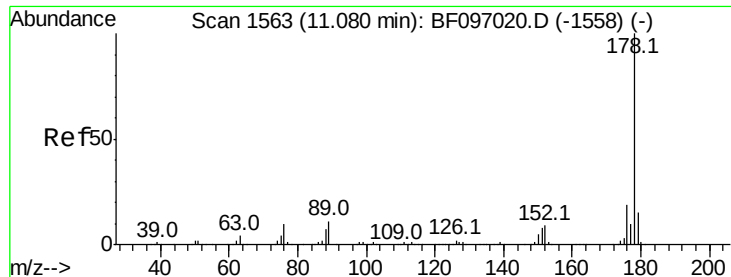
Sohil  
7/31/2017 6:53:19 PM



#70  
Phenanthrene  
Concen: 43.045 ng  
RT: 11.02 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 492163 |       |       |
| 176     | 19.2  |        | 16.2  | 24.4  |
| 179     | 15.5  |        | 12.6  | 19.0  |





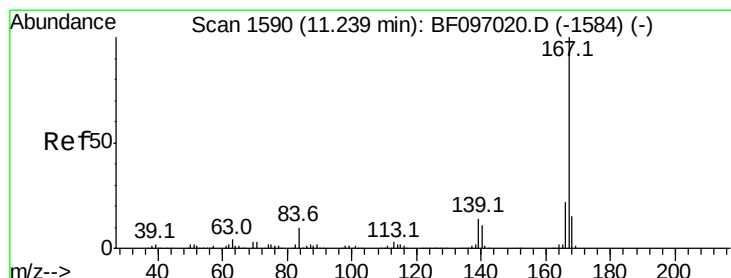
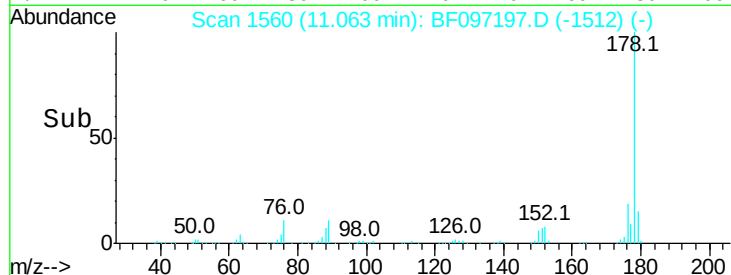
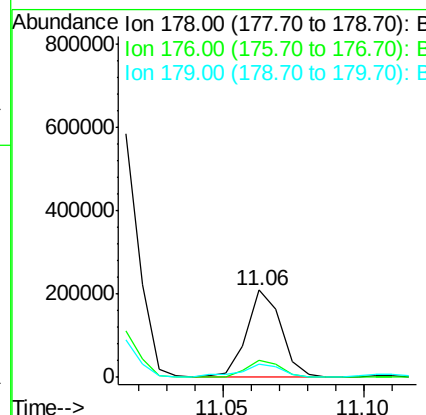
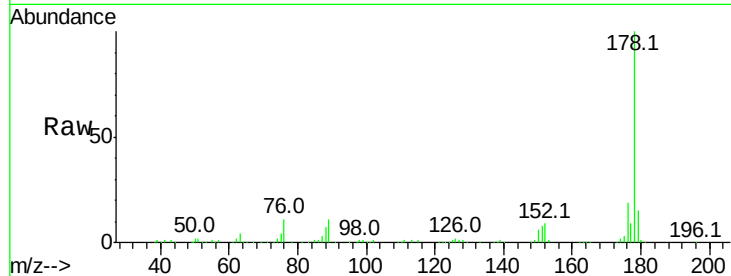
#71  
 Anthracene  
 Concen: 15.074 ng  
 RT: 11.06 min Scan# 1560  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.8  | 23.8  |
| 179     | 15.0  | 12.7  | 19.1  |

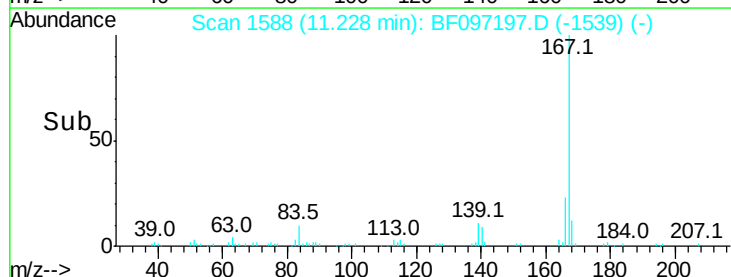
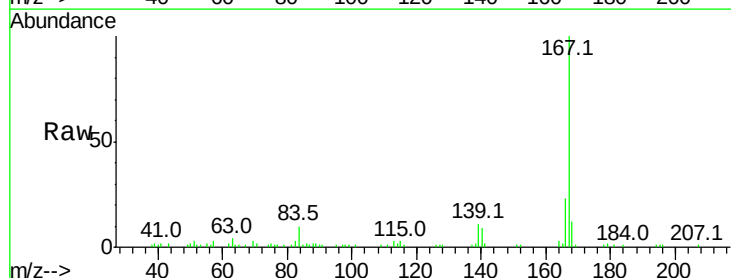
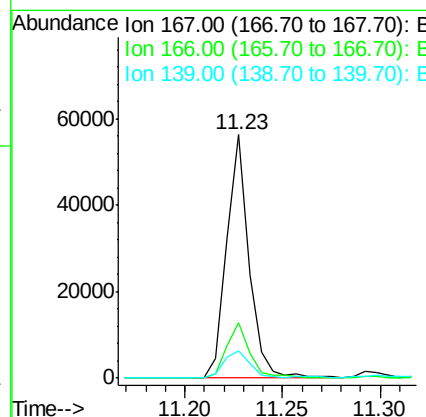
Manual Integrations  
 APPROVED

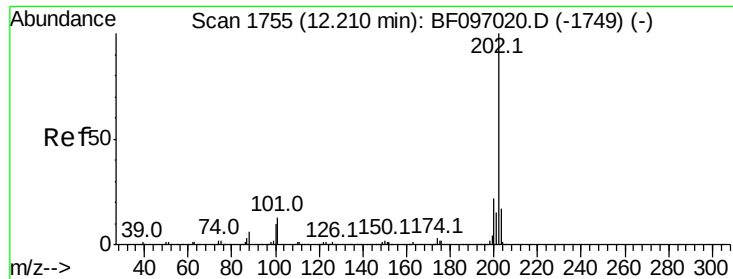
Sohil  
 7/31/2017 6:53:19 PM



#72  
 Carbazole  
 Concen: 3.905 ng  
 RT: 11.23 min Scan# 1588  
 Delta R.T. -0.01 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.0  | 18.1  | 27.1  |
| 139     | 11.4  | 11.7  | 17.5# |





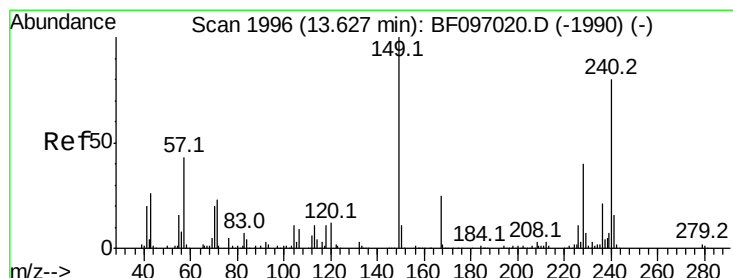
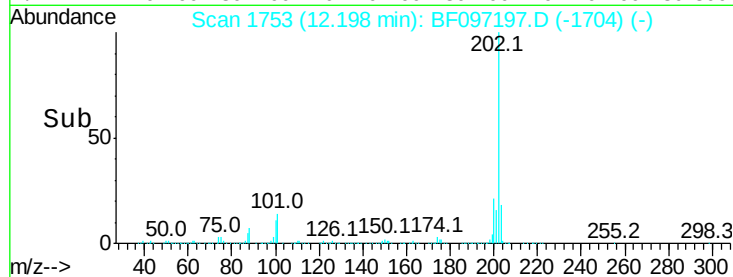
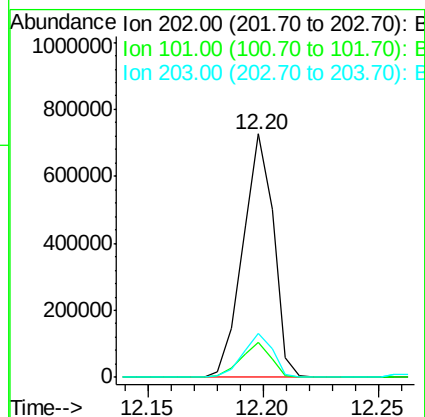
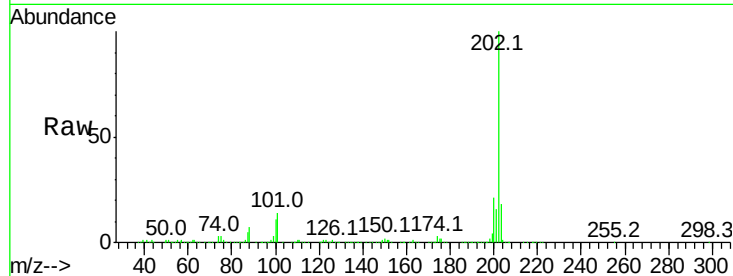
#74  
Fluoranthene  
Concen: 60.176 ng  
RT: 12.20 min Scan# 1753  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 674036 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 101       | 14.3 | 0.0   | 33.2   |
| 203       | 18.0 | 0.0   | 38.1   |

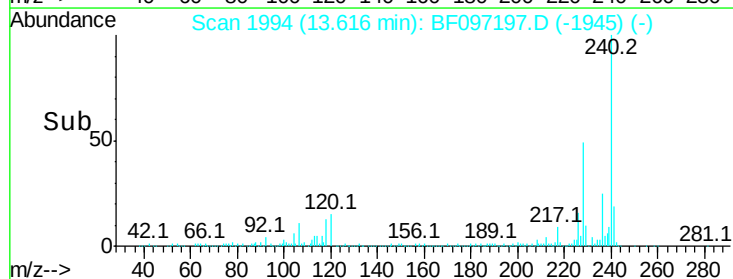
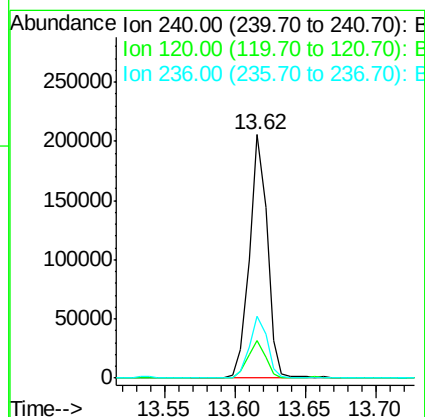
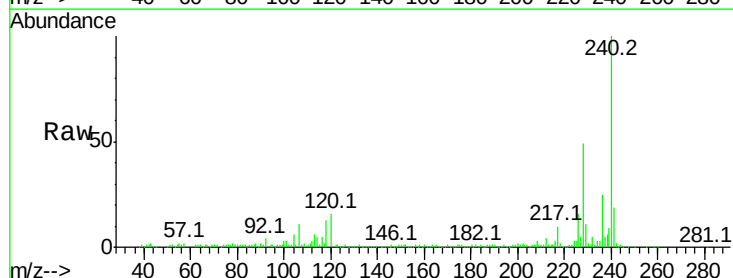
Manual Integrations  
APPROVED

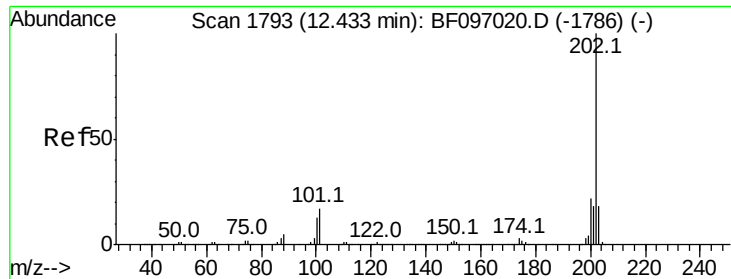
Sohil  
7/31/2017 6:53:19 PM



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.62 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 240  | Resp: | 182594 |
| Ion Ratio |      | Lower | Upper  |
| 240       | 100  |       |        |
| 120       | 15.6 | 5.8   | 8.8#   |
| 236       | 25.3 | 20.5  | 30.7   |





#77

Pvrene

Concen: 40.268 ng

RT: 12.42 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

Instrument :

BNA\_F

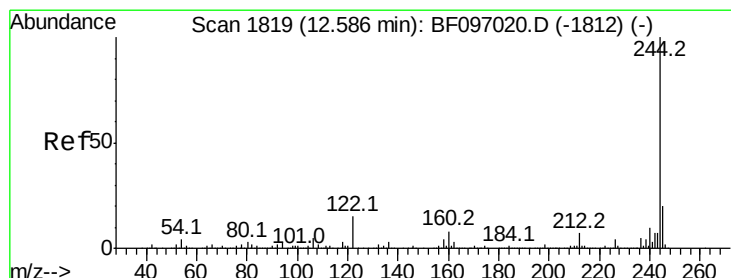
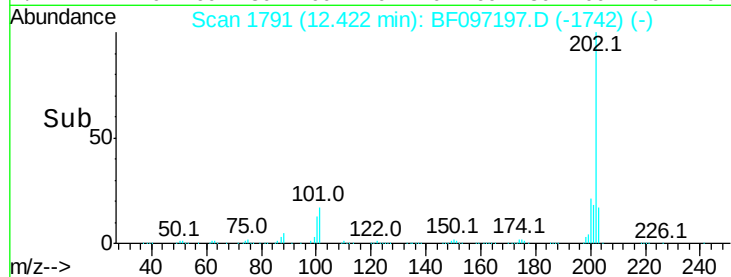
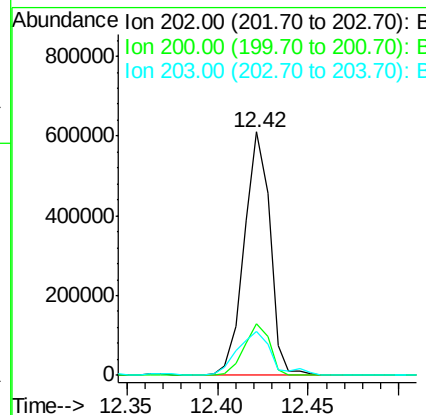
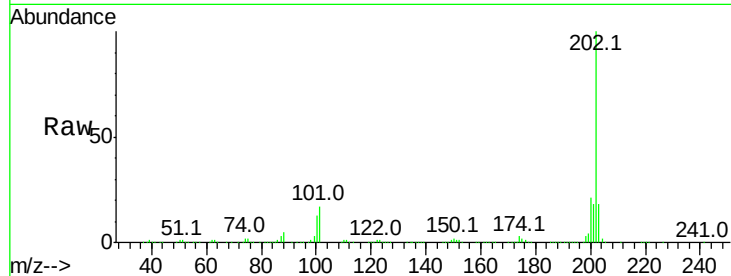
ClientSampleId :

EO-02-072517-DDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 601944 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.4  | 17.6  | 26.4   |
| 203       | 17.9  | 14.4  | 21.6   |

Manual Integrations  
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Sohil  
7/31/2017 6:53:19 PM



#78

Terphenyl-d14

Concen: 5.088 ng

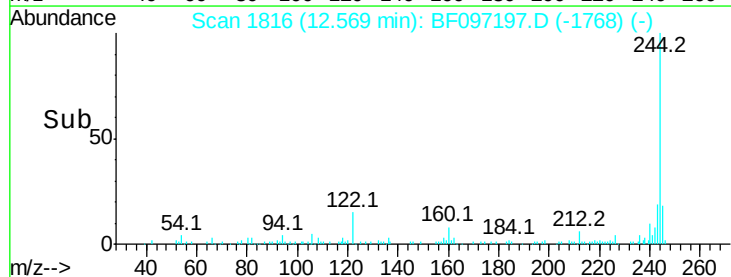
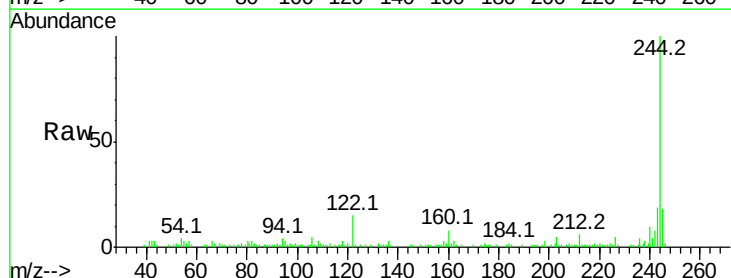
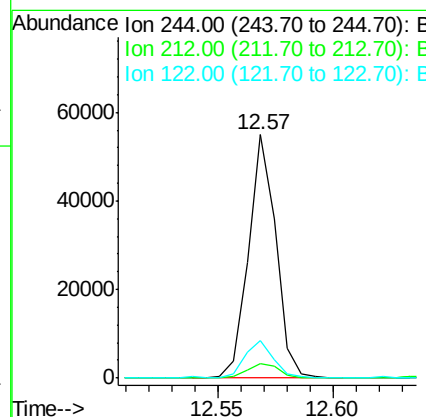
RT: 12.57 min Scan# 1816

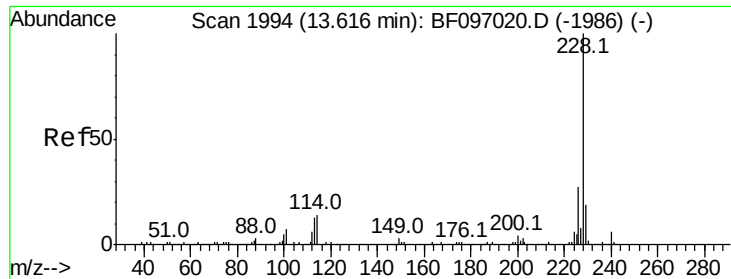
Delta R.T. -0.02 min

Lab File: BF097197.D

Acq: 29 Jul 2017 11:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 45563 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 6.2   | 6.0   | 9.0   |
| 122       | 15.2  | 10.3  | 15.5  |





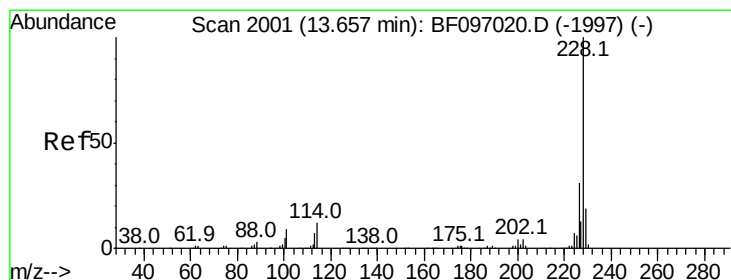
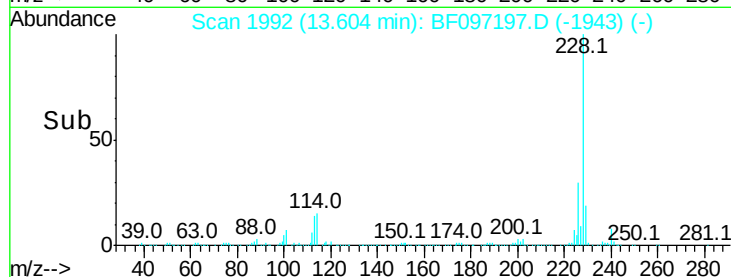
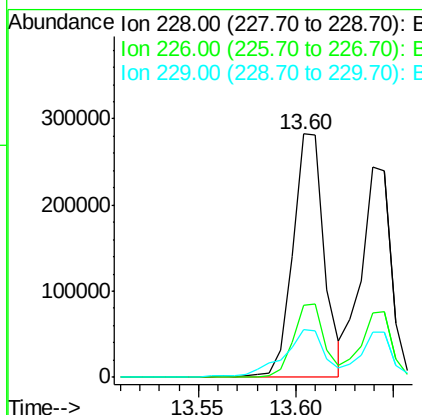
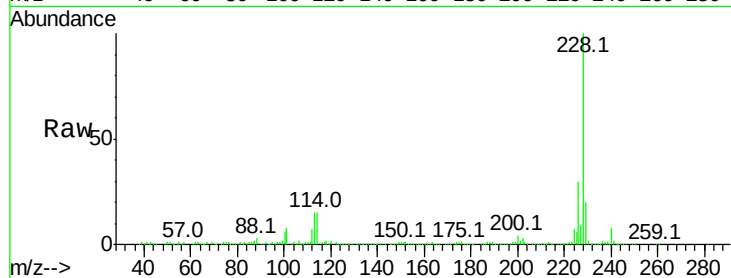
#80  
Benzo(a)anthracene  
Concen: 26.591 ng  
RT: 13.60 min Scan# 1992  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 22.6  | 33.8  |
| 229     | 19.8  | 16.3  | 24.5  |

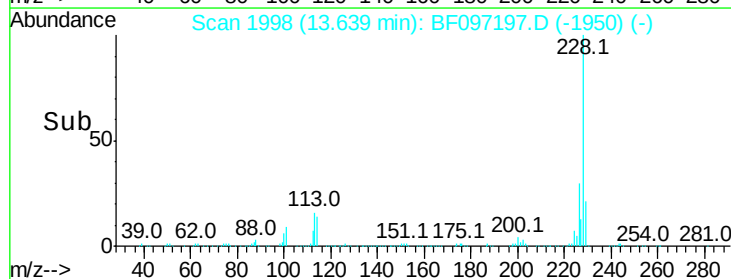
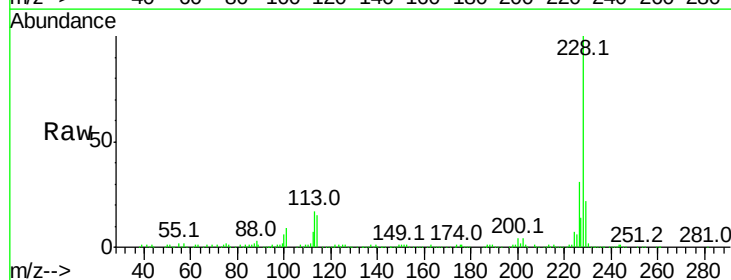
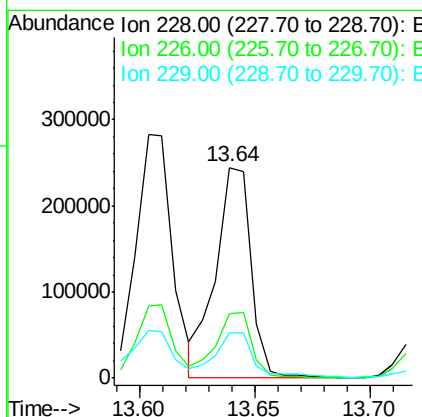
Manual Integrations  
APPROVED

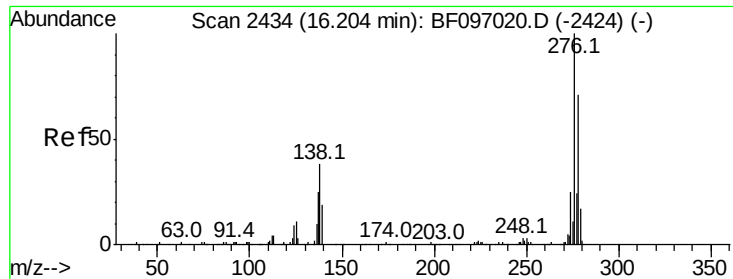
Sohil  
7/31/2017 6:53:19 PM



#82  
Chrysene  
Concen: 22.637 ng  
RT: 13.64 min Scan# 1998  
Delta R.T. -0.02 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.9  | 37.3  |
| 229     | 21.7  | 15.8  | 23.6  |





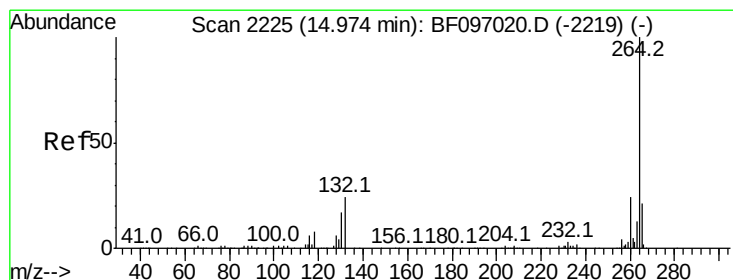
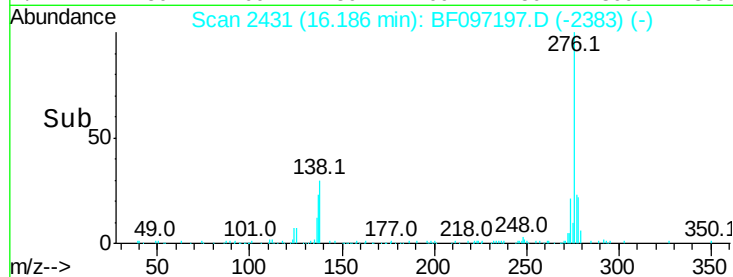
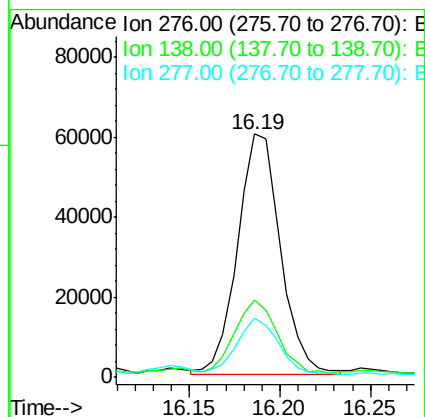
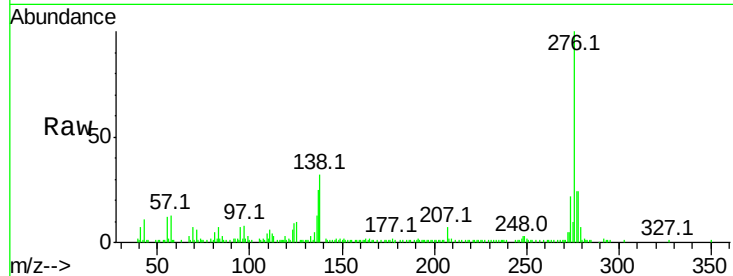
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 9.982 ng  
RT: 16.19 min Scan# 2431  
Delta R.T. -0.02 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.5  | 27.8  | 41.6  |
| 277     | 23.4  | 20.2  | 30.4  |

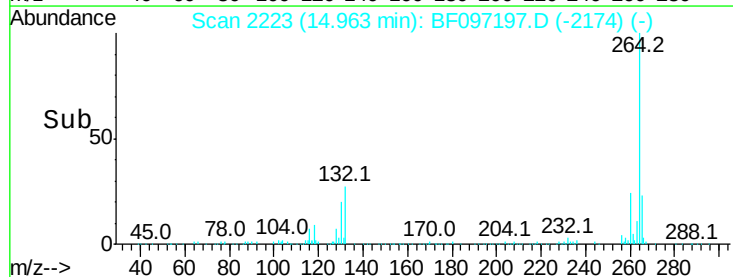
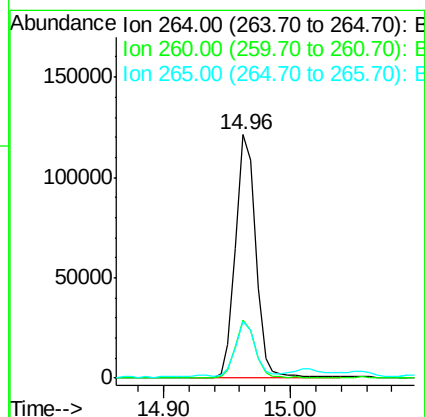
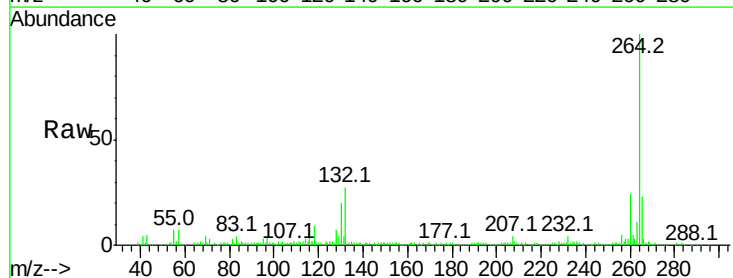
Manual Integrations  
APPROVED

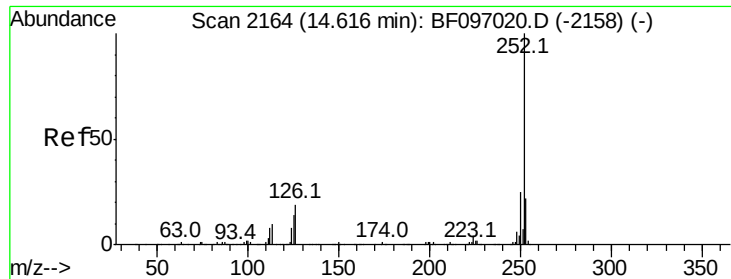
Sohil  
7/31/2017 6:53:19 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 14.96 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.5  | 29.3  |
| 265     | 23.1  | 17.2  | 25.8  |





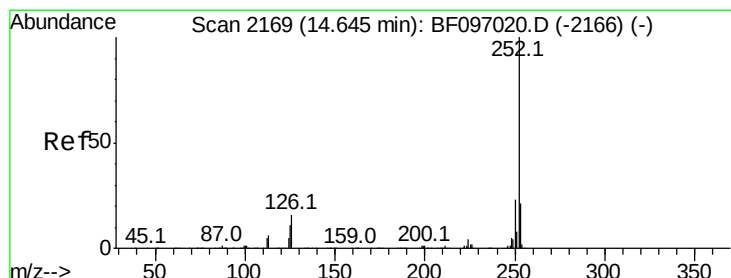
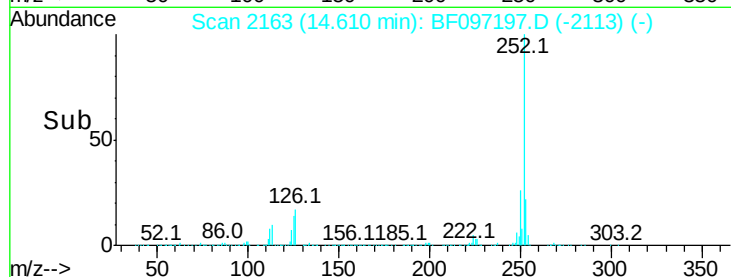
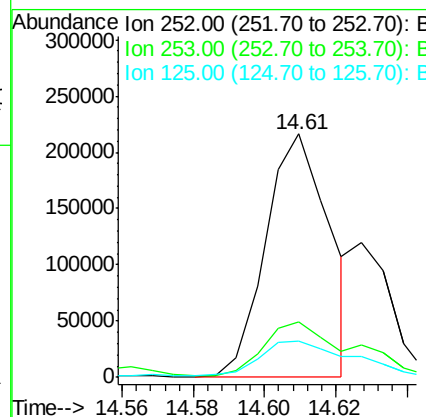
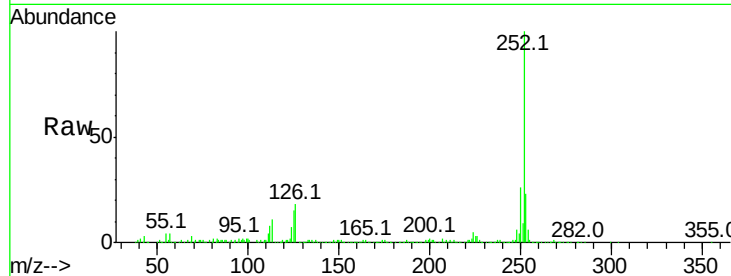
#87  
Benzo(b)fluoranthene  
Concen: 33.264 ng m  
RT: 14.61 min Scan# 2163  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.1  | 27.1  |
| 125     | 15.1  | 9.8   | 14.8  |

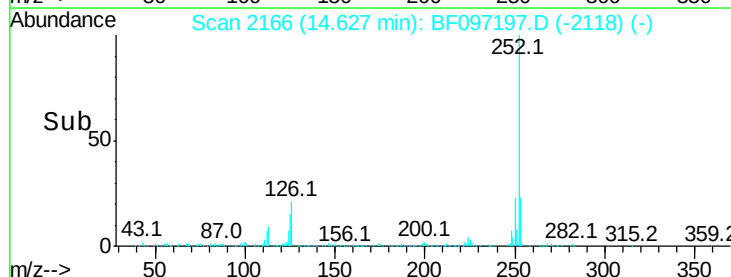
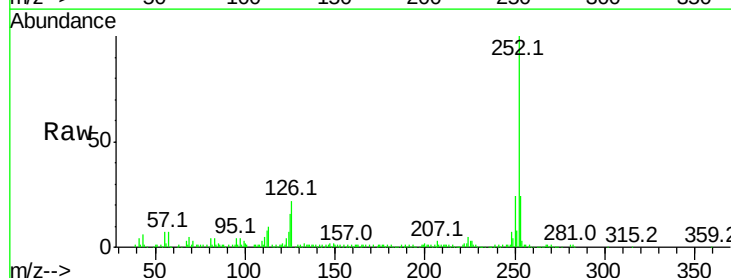
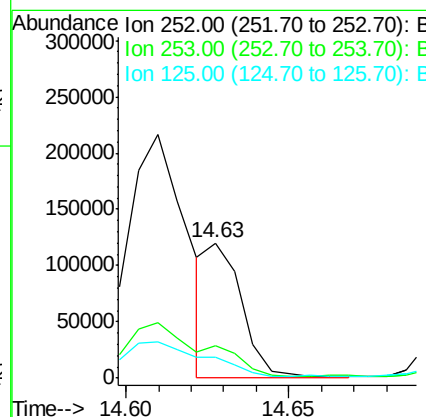
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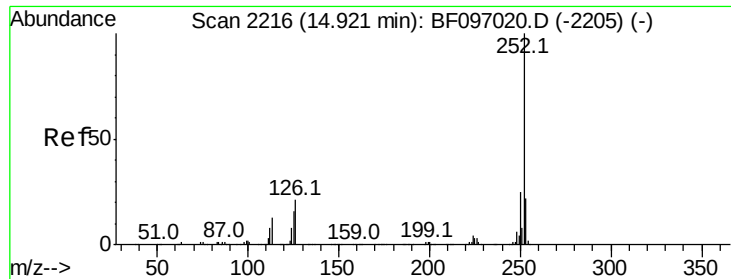


#88  
Benzo(k)fluoranthene  
Concen: 11.839 ng m  
RT: 14.63 min Scan# 2166  
Delta R.T. -0.02 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.4  | 27.6  |
| 125     | 15.8  | 13.1  | 19.7  |







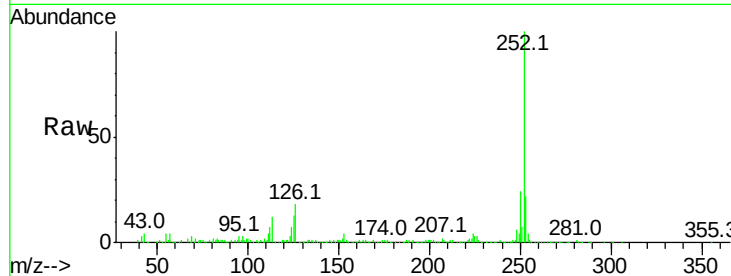
#89  
Benzo(a)pyrene  
Concen: 25.737 ng  
RT: 14.92 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-072517-DDL

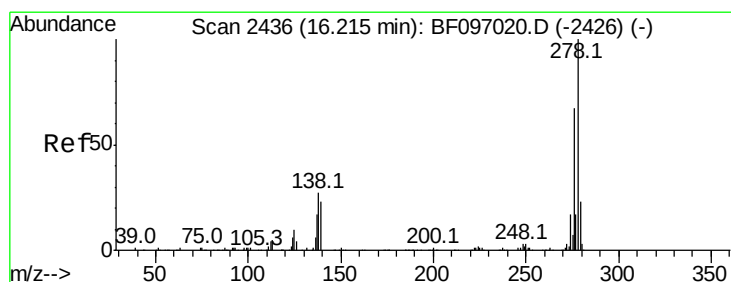
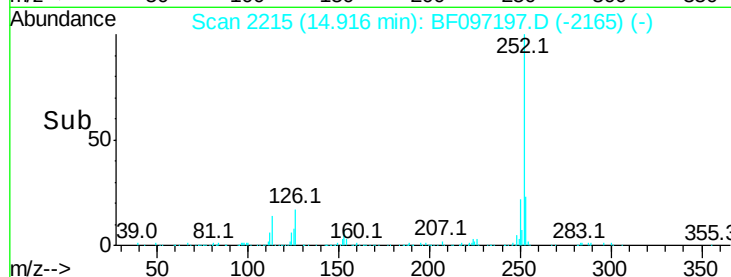
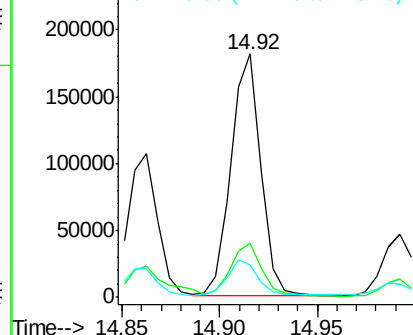
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.5  | 26.3  |
| 125     | 13.5  | 11.0  | 16.4  |

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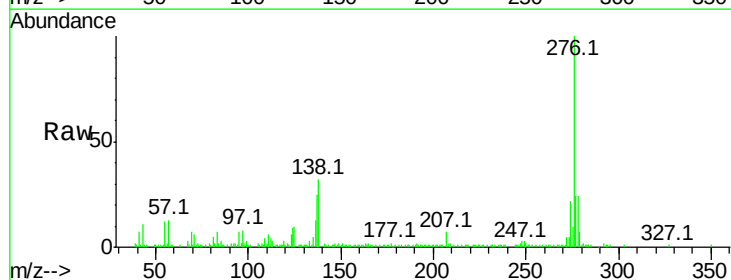


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

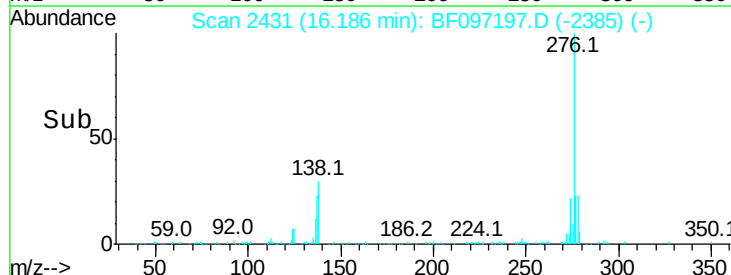
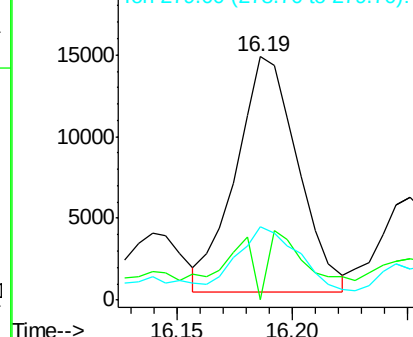


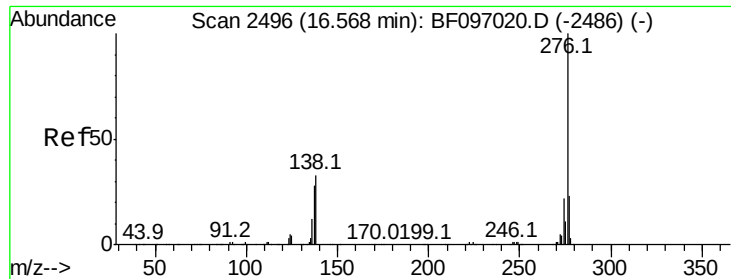
#90  
Dibenzo(a,h)anthracene  
Concen: 4.404 ng  
RT: 16.19 min Scan# 2431  
Delta R.T. -0.03 min  
Lab File: BF097197.D  
Acq: 29 Jul 2017 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 0.0   | 16.6  | 24.8# |
| 279     | 30.0  | 19.3  | 28.9# |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(a,h,i)perylene  
 Concen: 13.847 ng  
 RT: 16.55 min Scan# 2493  
 Delta R.T. -0.02 min  
 Lab File: BF097197.D  
 Acq: 29 Jul 2017 11:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-072517-DDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.4  | 18.6  | 28.0  |
| 138     | 31.9  | 25.4  | 38.0  |

Manual Integrations  
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