

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\  
 Data File : BF113833.D  
 Acq On : 18 Apr 2019 22:57  
 Operator : JU/SJ  
 Sample : K2434-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-288

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 8:16:48 AM

Quant Time: Apr 19 02:58:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 13:55:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 159044   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 552818   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 238130   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.41 | 188  | 424117   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.04 | 240  | 463290   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.52 | 264  | 497483   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 882432   | 92.26 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 1143936  | 95.90 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 675361   | 74.40 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.71 | 330  | 231302   | 87.92 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 1175878  | 75.31 | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.99 | 244  | 1272562  | 57.60 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 50) Dimethylphthalate          | 9.64  | 163  | 132314   | 7.940 | ng    | 97       |
| 75) Fluoranthene               | 12.62 | 202  | 71379    | 3.118 | ng    | 99       |
| 78) Pyrene                     | 12.84 | 202  | 80061    | 2.452 | ng    | 98       |
| 83) Chrysene                   | 14.07 | 228  | 60540    | 2.252 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 36400    | 2.516 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.08 | 252  | 74993m   | 2.418 | ng    |          |

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

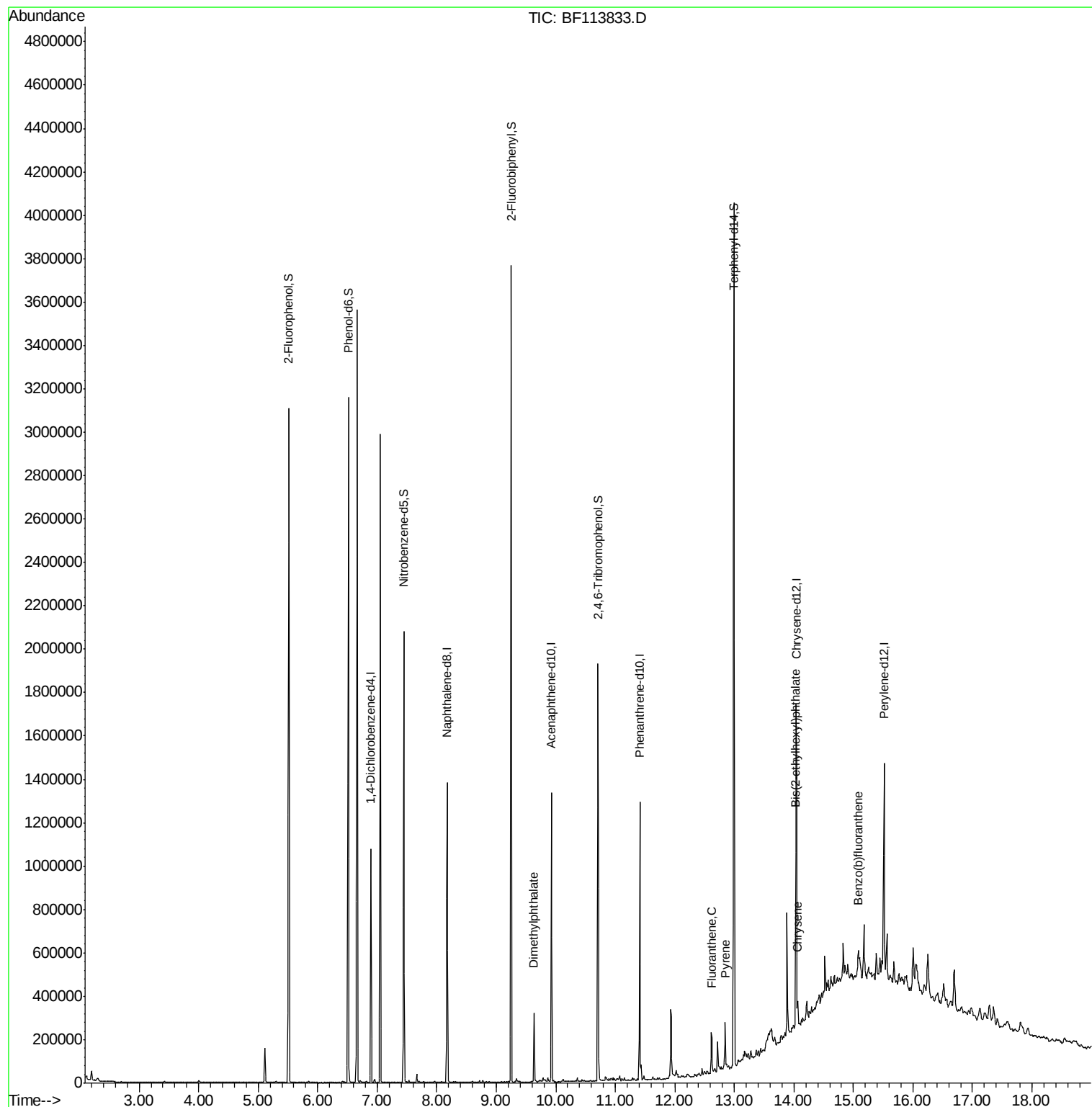
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\  
Data File : BF113833.D  
Acq On : 18 Apr 2019 22:57  
Operator : JU/SJ  
Sample : K2434-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

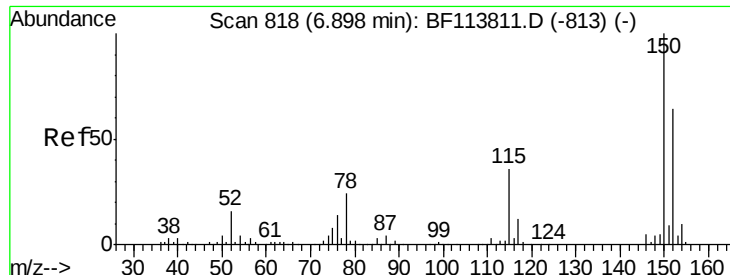
Instrument :  
BNA\_F  
ClientSampleId :  
RO-288

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Quant Time: Apr 19 02:58:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 18 13:55:51 2019  
Response via : Initial Calibration





#1

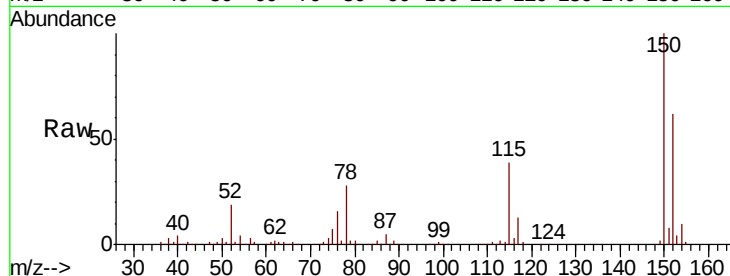
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

Instrument :  
BNA\_F  
ClientSampled :  
RO-288

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 125.9 | 188.9 |
| 115     | 62.5  | 45.9  | 68.9  |

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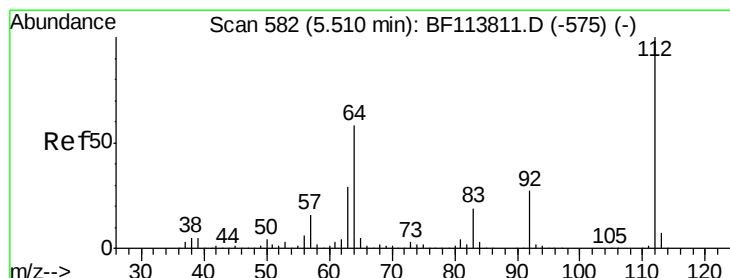
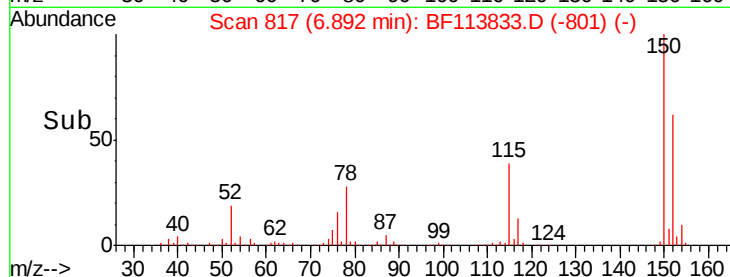
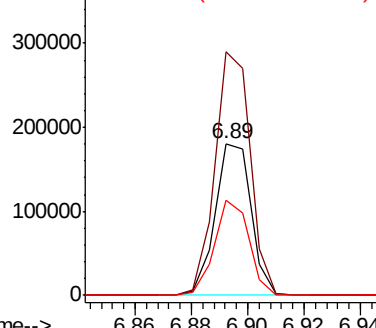


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

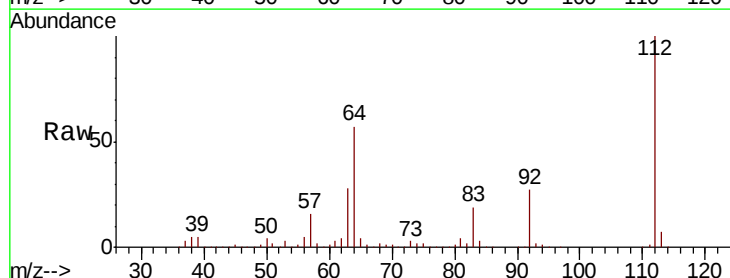
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 92.257 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.0  | 46.6  | 69.8  |
| 63      | 28.0  | 23.1  | 34.7  |

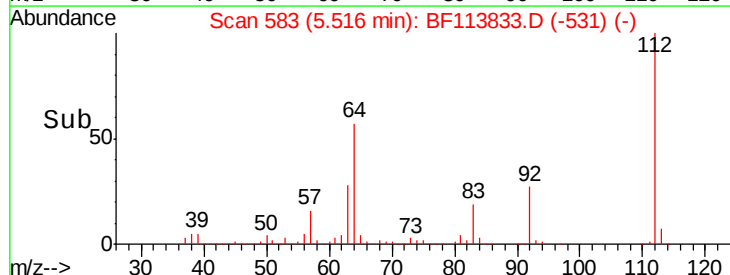
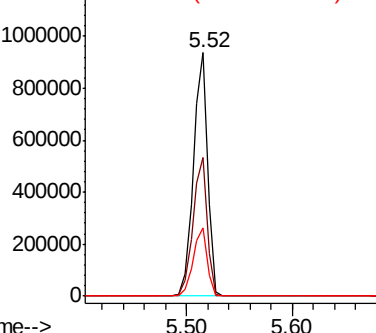


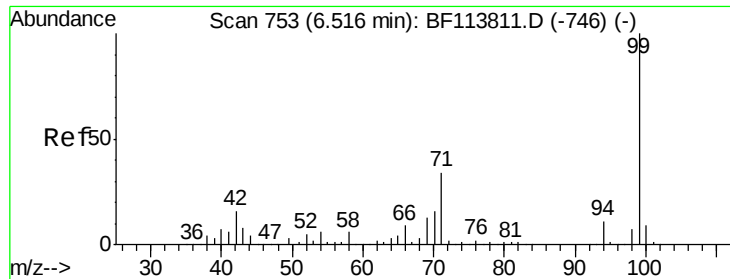
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.902 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA\_F

ClientSampleId :

RO-288

Tot Ion: 99 Resp: 1143936

Ion Ratio Lower Upper

99 100

42 15.5 12.5 18.7

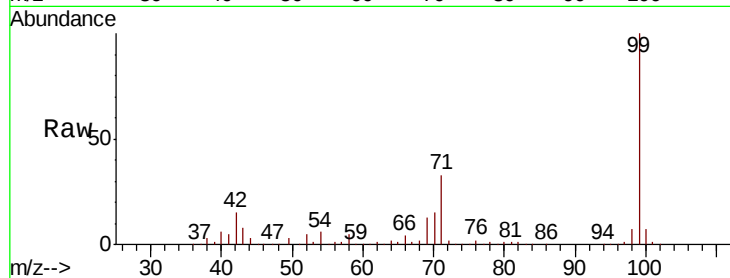
71 33.4 26.9 40.3

Manual Integrations

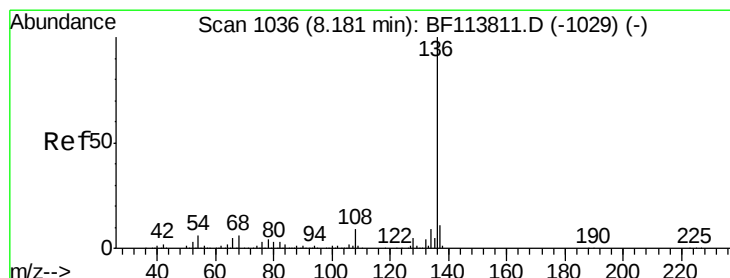
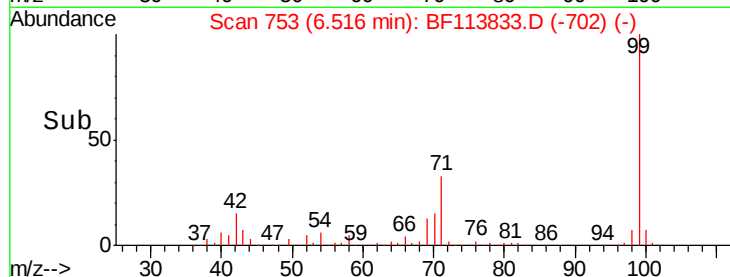
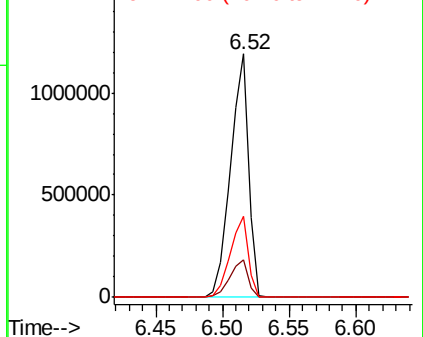
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Tgt Ion: 136 Resp: 552818

Ion Ratio Lower Upper

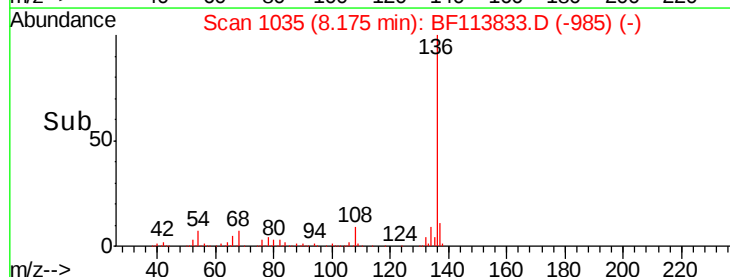
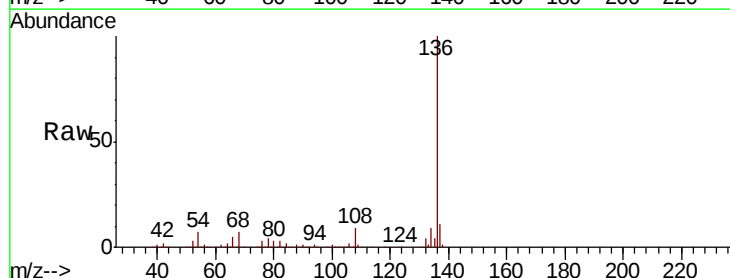
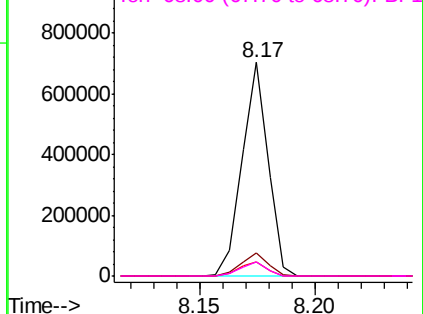
136 100

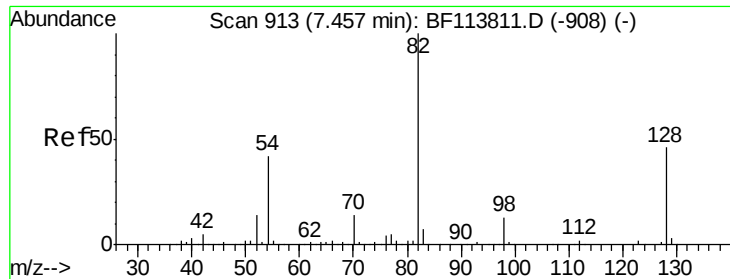
137 11.1 8.6 12.8

54 6.8 5.0 7.6

68 6.5 4.9 7.3

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): BF1  
Ion 68.00 (67.70 to 68.70): BF1





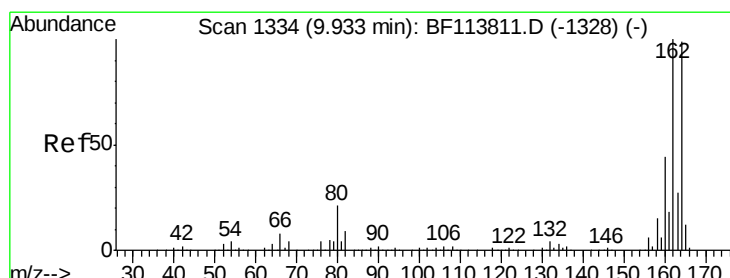
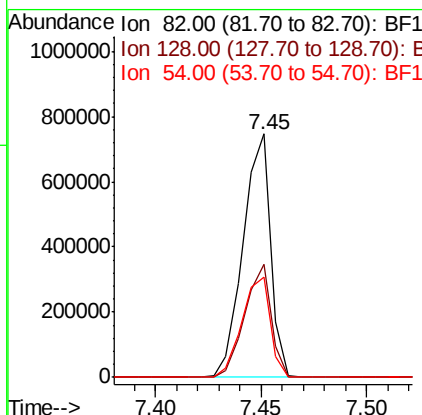
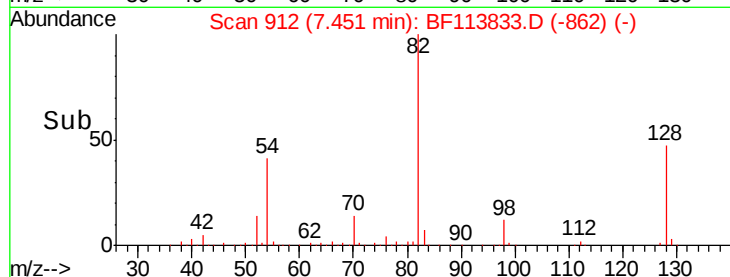
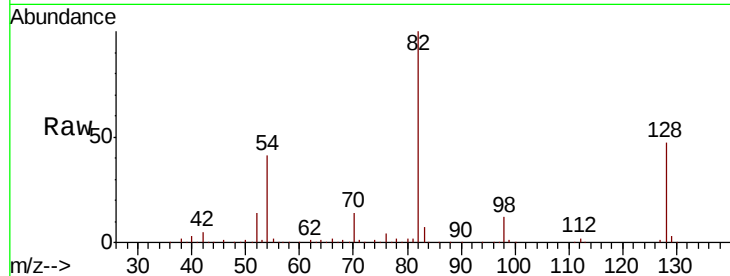
#23  
 Nitrobenzene-d5  
 Concen: 74.395 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.01 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

Instrument :  
 BNA\_F  
 ClientSampled :  
 RO-288

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 675361 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.6  | 36.8  | 55.2   |
| 54        | 41.3  | 33.8  | 50.6   |

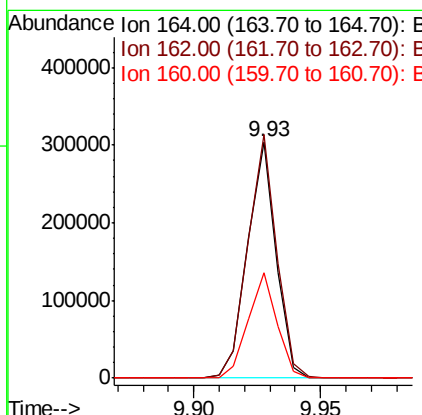
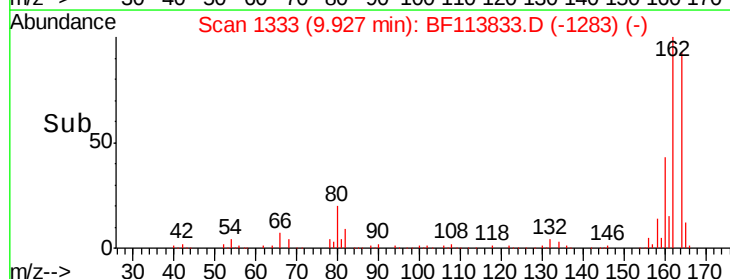
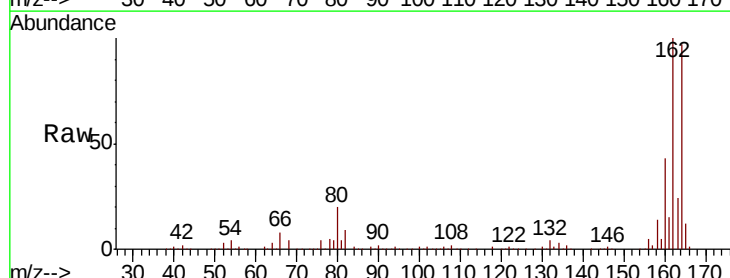
Manual Integrations  
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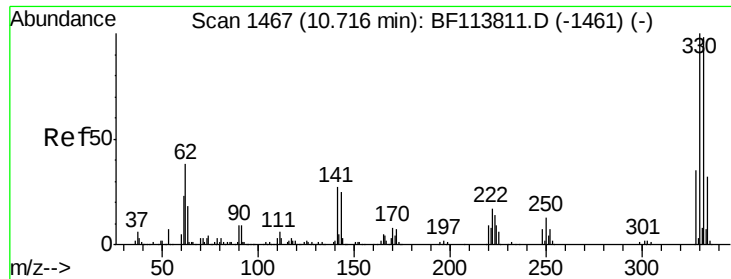
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1333  
 Delta R.T. -0.01 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 238130 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.0 | 81.1  | 121.7  |
| 160       | 44.4  | 35.8  | 53.6   |





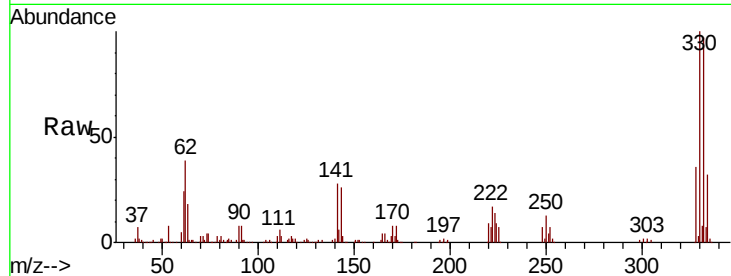
#42  
 2,4,6-Tribromophenol  
 Concen: 87.917 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

Instrument :  
 BNA\_F  
 ClientSampled :  
 RO-288

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 231302 |       |       |
| 332     | 96.9  | 77.5   | 116.3 |       |
| 141     | 27.8  | 22.2   | 33.2  |       |

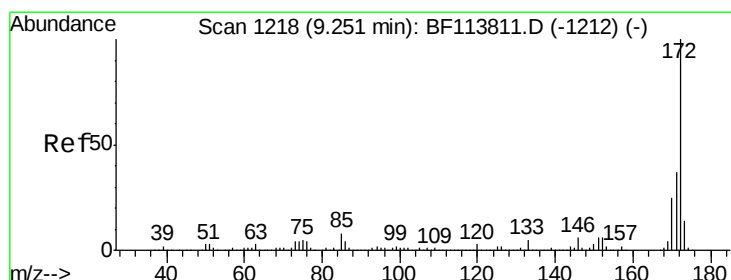
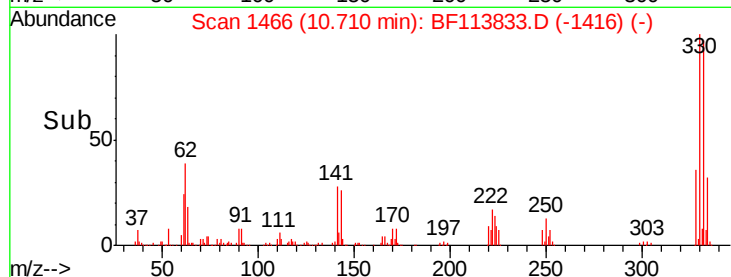
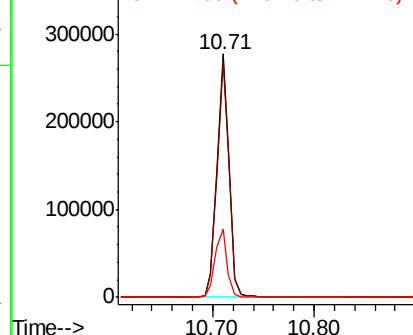
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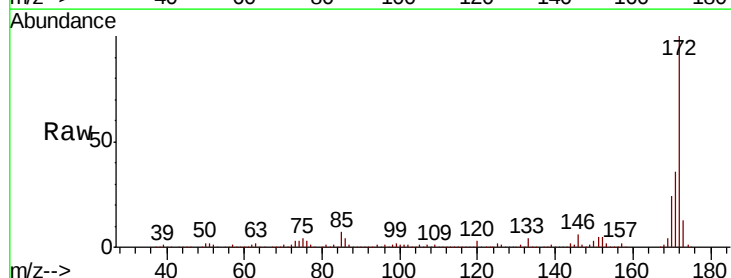
Abundance

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



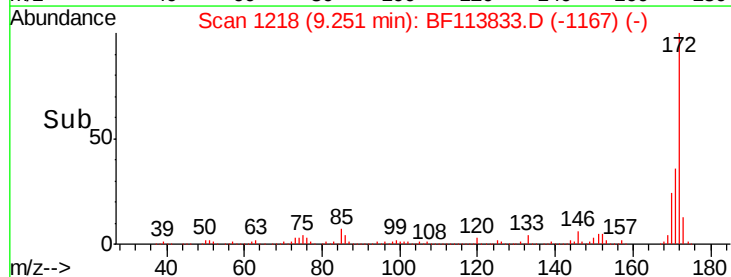
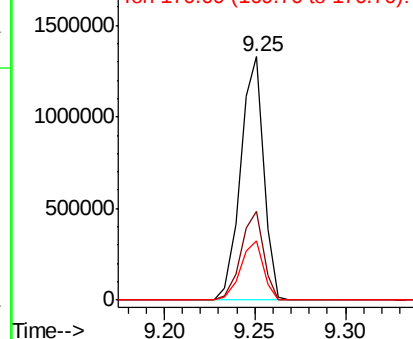
#45  
 2-Fluorobiphenyl  
 Concen: 75.306 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.00 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

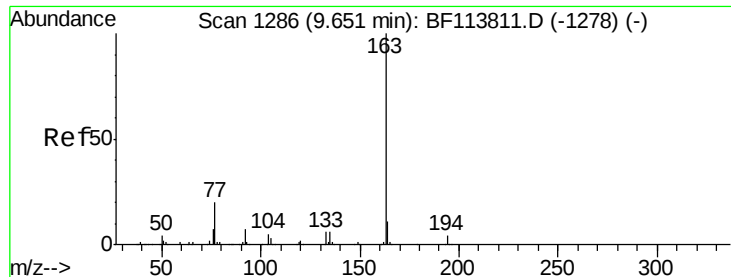
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1175878 |       |       |
| 171     | 36.4  | 29.4    | 44.0  |       |
| 170     | 24.4  | 19.9    | 29.9  |       |



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





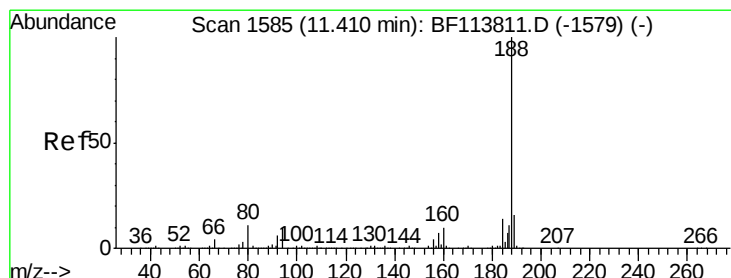
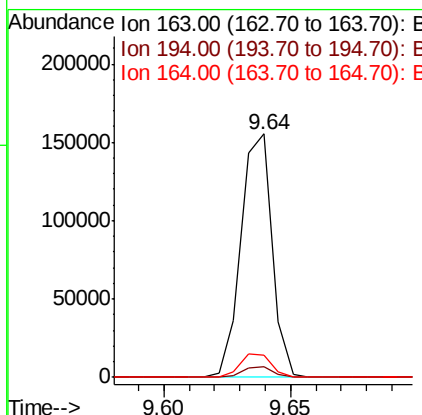
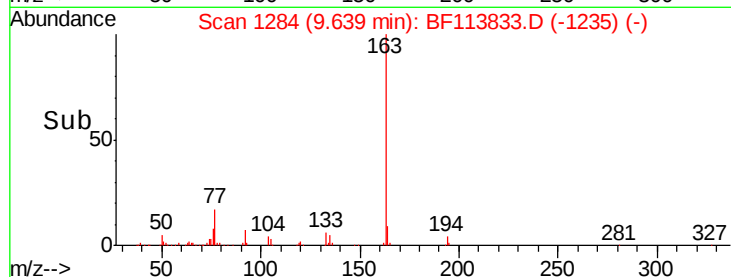
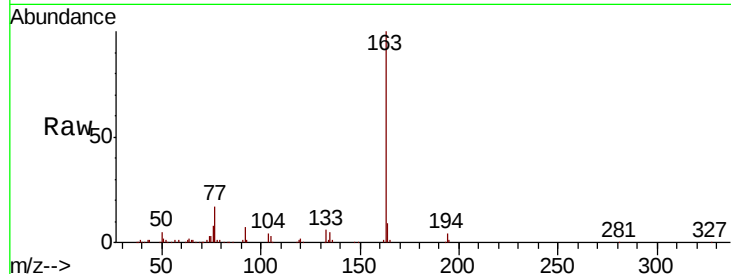
#50  
Dimethylphthalate  
Concen: 7.940 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

Instrument :  
BNA\_F  
ClientSampleId :  
RO-288

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 132314 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.5   | 3.4   | 5.2    |
| 164       | 9.4   | 8.5   | 12.7   |

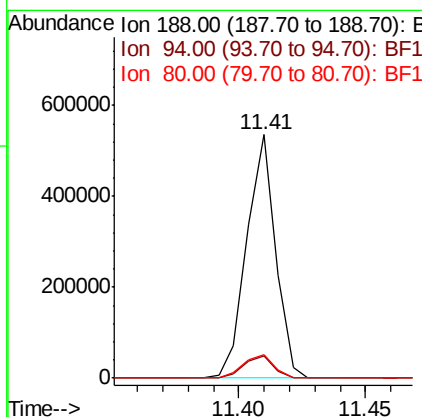
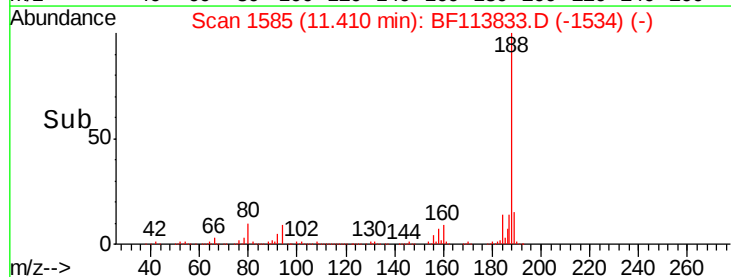
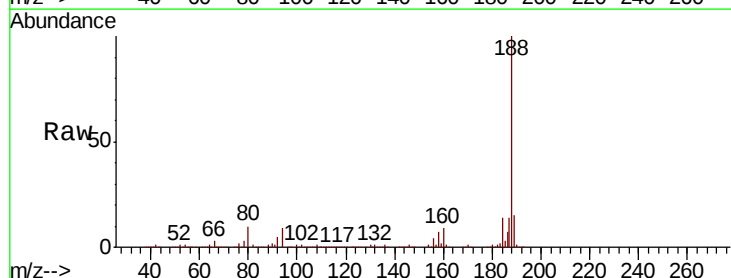
Manual Integrations  
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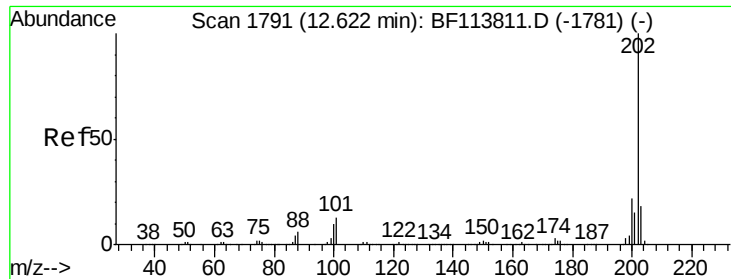
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4/23/2019 8:16:48 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 424117 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.1   | 8.2   | 12.4   |
| 80        | 9.8   | 9.0   | 13.6   |





#75

Fluoranthene

Concen: 3.118 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA\_F

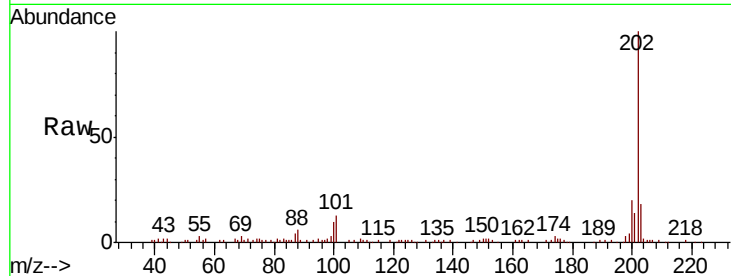
ClientSampled :

RO-288

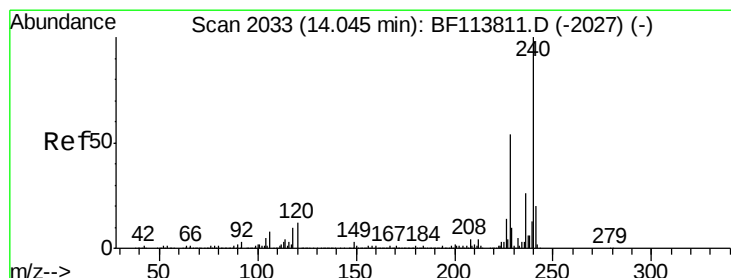
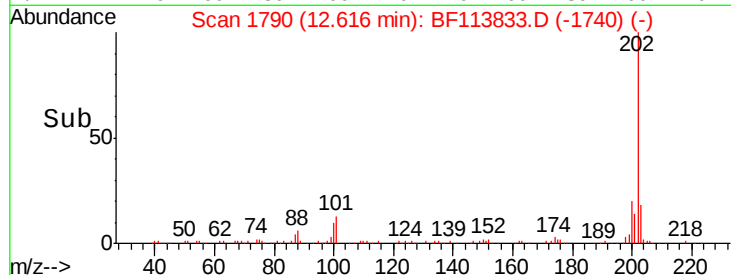
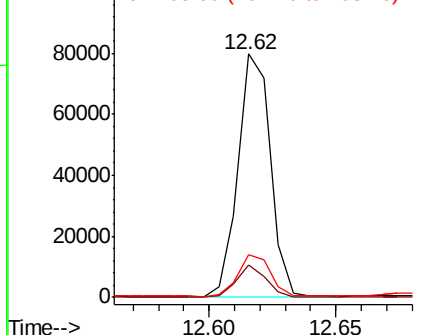
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 202     | 100  |       | 71379 |       |       |
| 101     | 13.2 | 0.0   | 32.9  |       |       |
| 203     | 17.7 | 0.0   | 38.2  |       |       |

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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



#76

Chrysene-d12

Concen: 20.000 ng

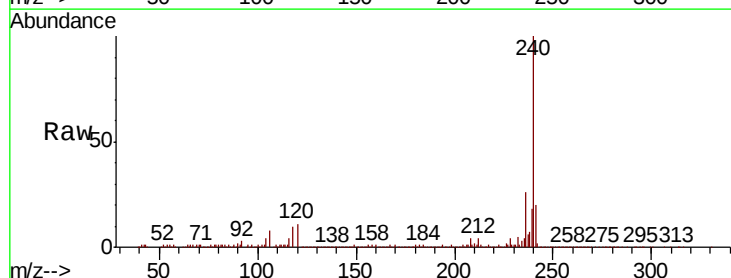
RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

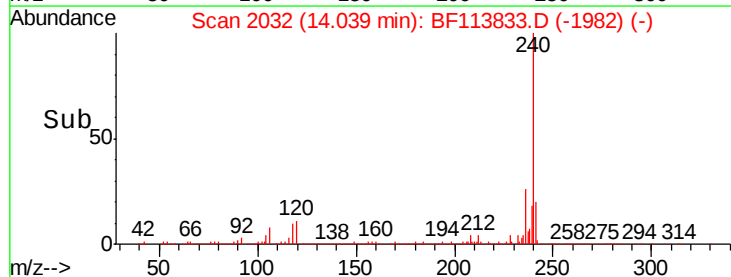
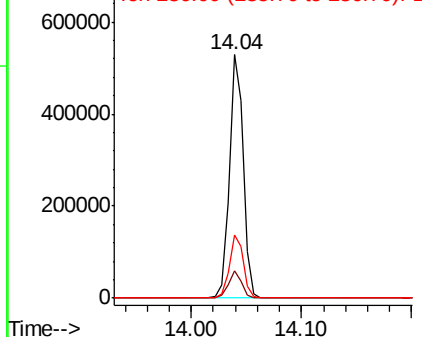
Lab File: BF113833.D

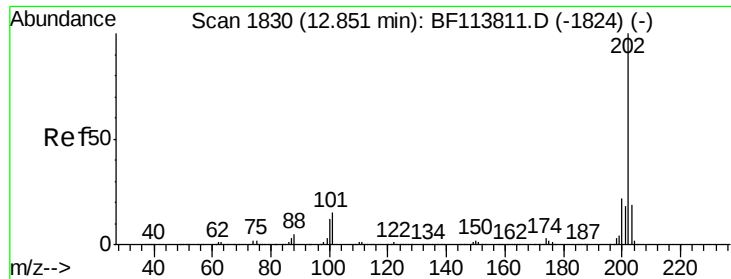
Acq: 18 Apr 2019 22:57

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 463290 |       |       |
| 120     | 11.3 | 9.3   | 13.9   |       |       |
| 236     | 25.8 | 21.2  | 31.8   |       |       |



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





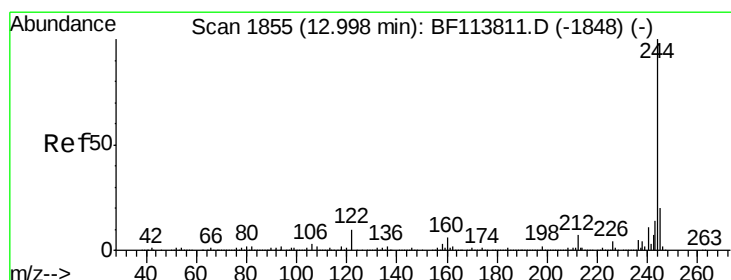
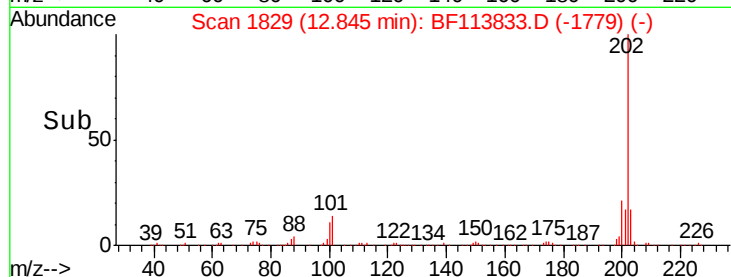
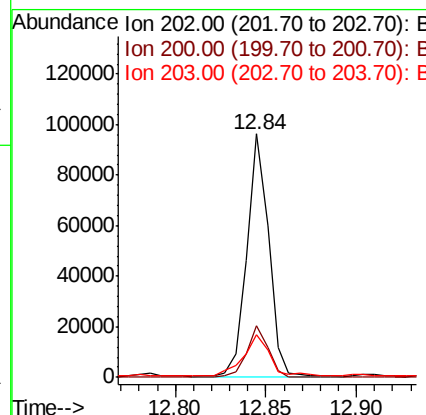
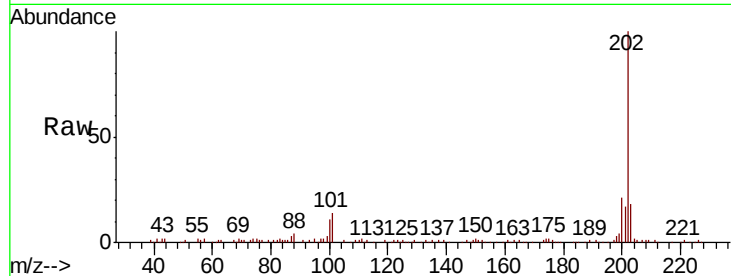
#78  
Pvrene  
Concen: 2.452 ng  
RT: 12.84 min Scan# 1829  
Delta R.T. -0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

Instrument :  
BNA\_F  
ClientSampleId :  
RO-288

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 17.7  | 26.5  |
| 203     | 17.6  | 15.0  | 22.6  |

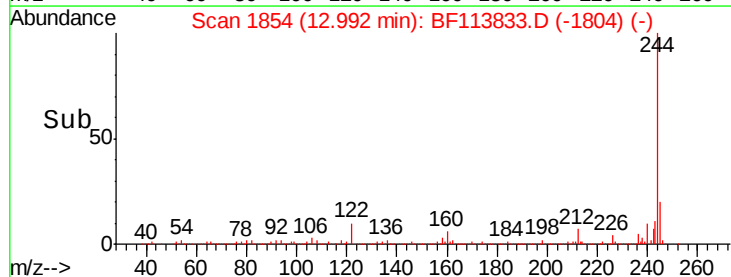
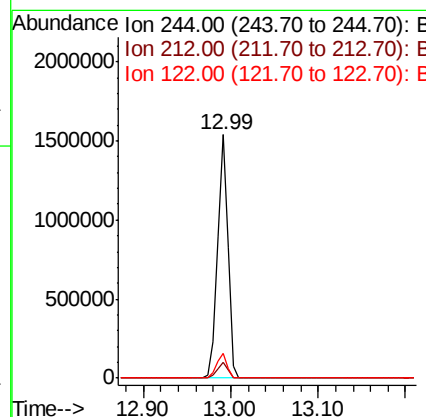
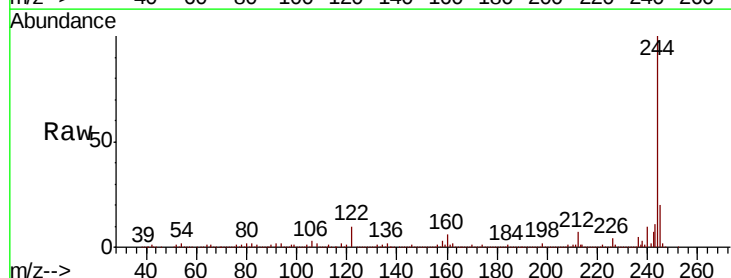
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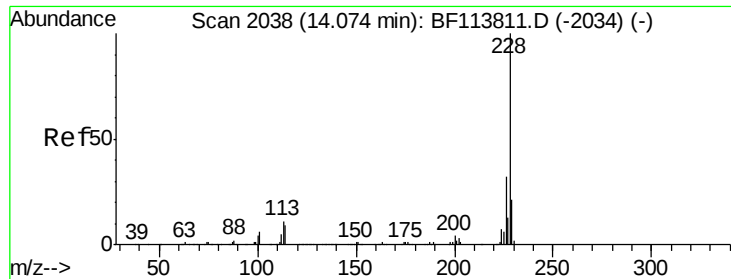
Sohil  
4/23/2019 8:16:48 AM



#79  
Terphenyl-d14  
Concen: 57.599 ng  
RT: 12.99 min Scan# 1854  
Delta R.T. -0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.6   | 5.4   | 8.2   |
| 122     | 10.1  | 7.6   | 11.4  |





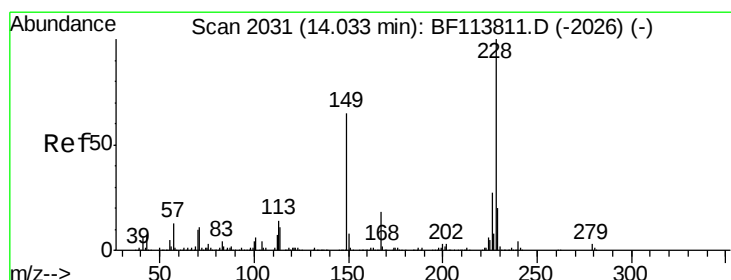
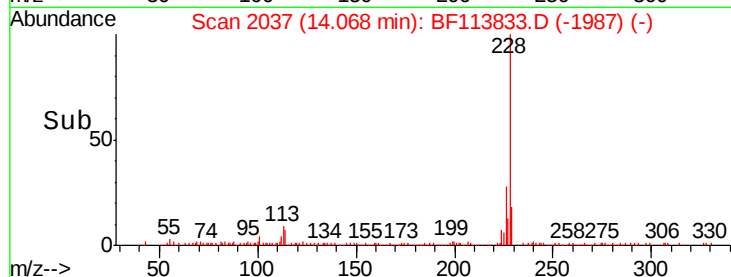
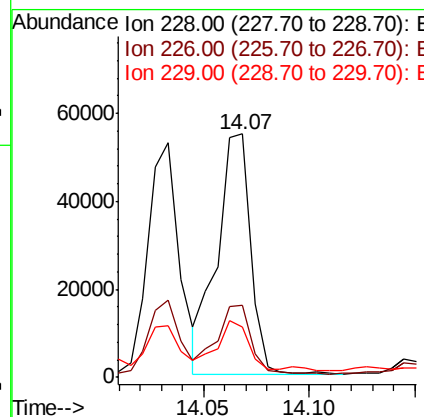
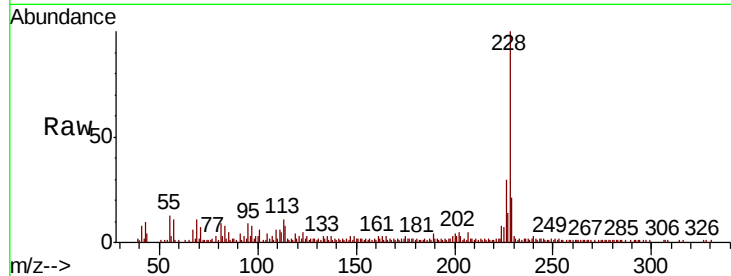
#83  
 Chrysene  
 Concen: 2.252 ng  
 RT: 14.07 min Scan# 2037  
 Delta R.T. -0.01 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-288

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 25.2  | 37.8  |
| 229     | 20.9  | 16.7  | 25.1  |

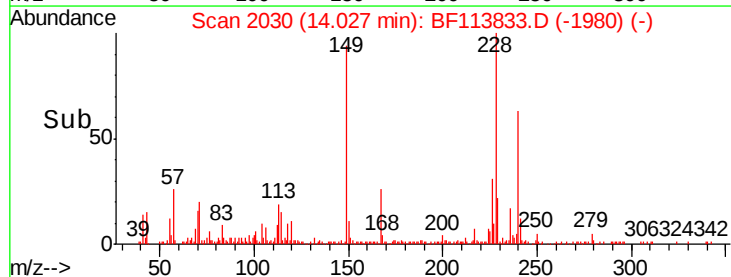
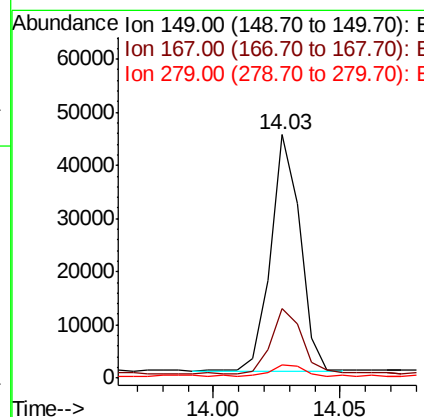
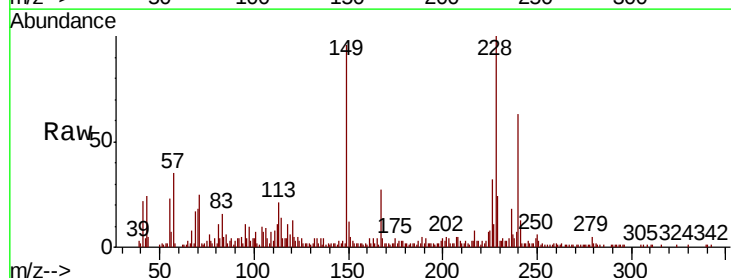
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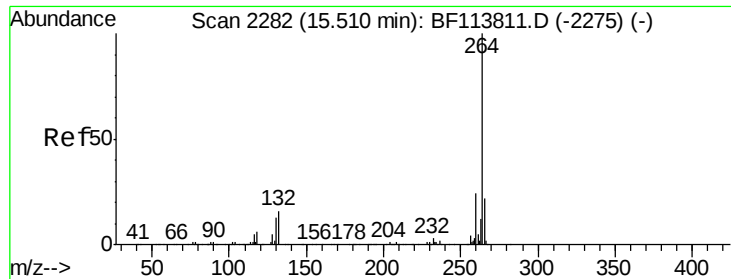
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 4/23/2019 8:16:48 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.516 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF113833.D  
 Acq: 18 Apr 2019 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.4  | 22.9  | 34.3  |
| 279     | 5.6   | 4.2   | 6.2   |





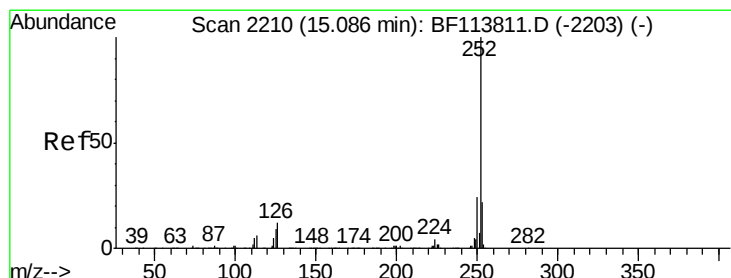
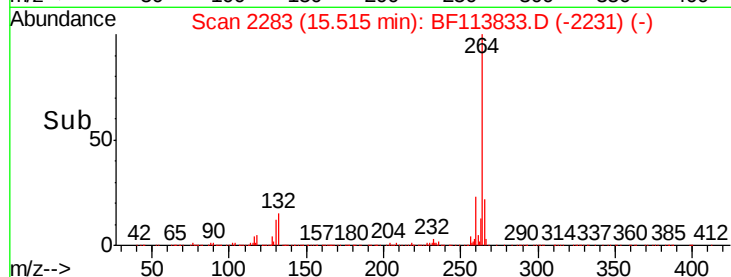
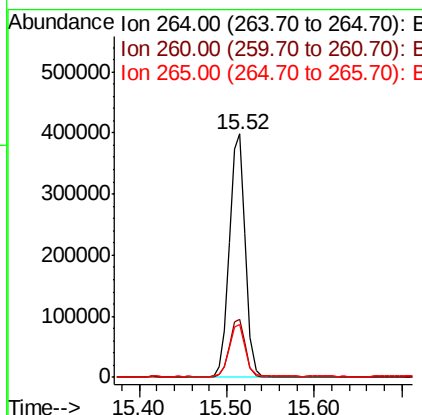
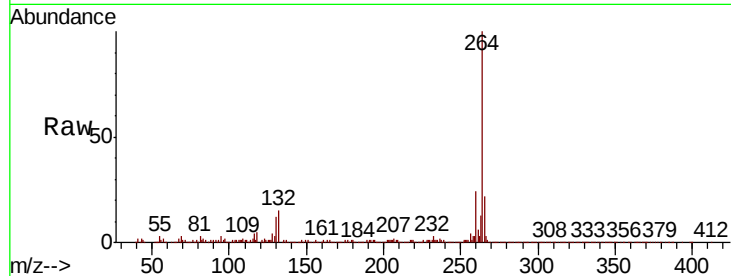
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. 0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

Instrument :  
BNA\_F  
ClientSampled :  
RO-288

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.9  | 28.3  |
| 265     | 21.9  | 17.3  | 25.9  |

Manual Integrations  
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4/23/2019 8:16:48 AM



#88  
Benzo(b)fluoranthene  
Concen: 2.418 ng m  
RT: 15.08 min Scan# 2209  
Delta R.T. -0.01 min  
Lab File: BF113833.D  
Acq: 18 Apr 2019 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.2  | 17.8  | 26.6# |
| 125     | 15.8  | 7.0   | 10.6# |

