

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\  
 Data File : BF110527.D  
 Acq On : 6 Nov 2018 20:46  
 Operator : JU/SJ  
 Sample : J5827-21  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-C

Manual Integrations  
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 11/7/2018 2:54:35 PM

Quant Time: Nov 07 12:30:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 95995    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.24  | 136  | 375059   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.99  | 164  | 155925   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 11.49 | 188  | 225034   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 14.13 | 240  | 180181   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 15.66 | 264  | 133733   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.58  | 112  | 558354   | 94.72  | ng    | 0.00        |
| 7) Phenol-d6                | 6.58  | 99   | 709433   | 94.09  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 454550   | 71.88  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 121429   | 78.62  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 757325   | 76.27  | ng    | 0.00        |
| 79) Terphenyl-d14           | 13.07 | 244  | 463288   | 53.47  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.59  | 94   | 48832    | 6.059  | ng    | Qvalue # 65 |
| 50) Dimethylphthalate       | 9.70  | 163  | 145079   | 12.605 | ng    | 98          |
| 75) Fluoranthene            | 12.70 | 202  | 38569    | 3.228  | ng    | 99          |
| 78) Pyrene                  | 12.94 | 202  | 34902    | 2.702  | ng    | 95          |
| 83) Chrysene                | 14.16 | 228  | 29669m   | 2.923  | ng    |             |
| 88) Benzo(b)fluoranthene    | 15.20 | 252  | 38865m   | 5.033  | ng    |             |
| 90) Benzo(a)pyrene          | 15.59 | 252  | 20217    | 2.845  | ng    | # 87        |
| 92) Benzo(g,h,i)perylene    | 17.71 | 276  | 14543    | 2.407  | ng    | # 87        |

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

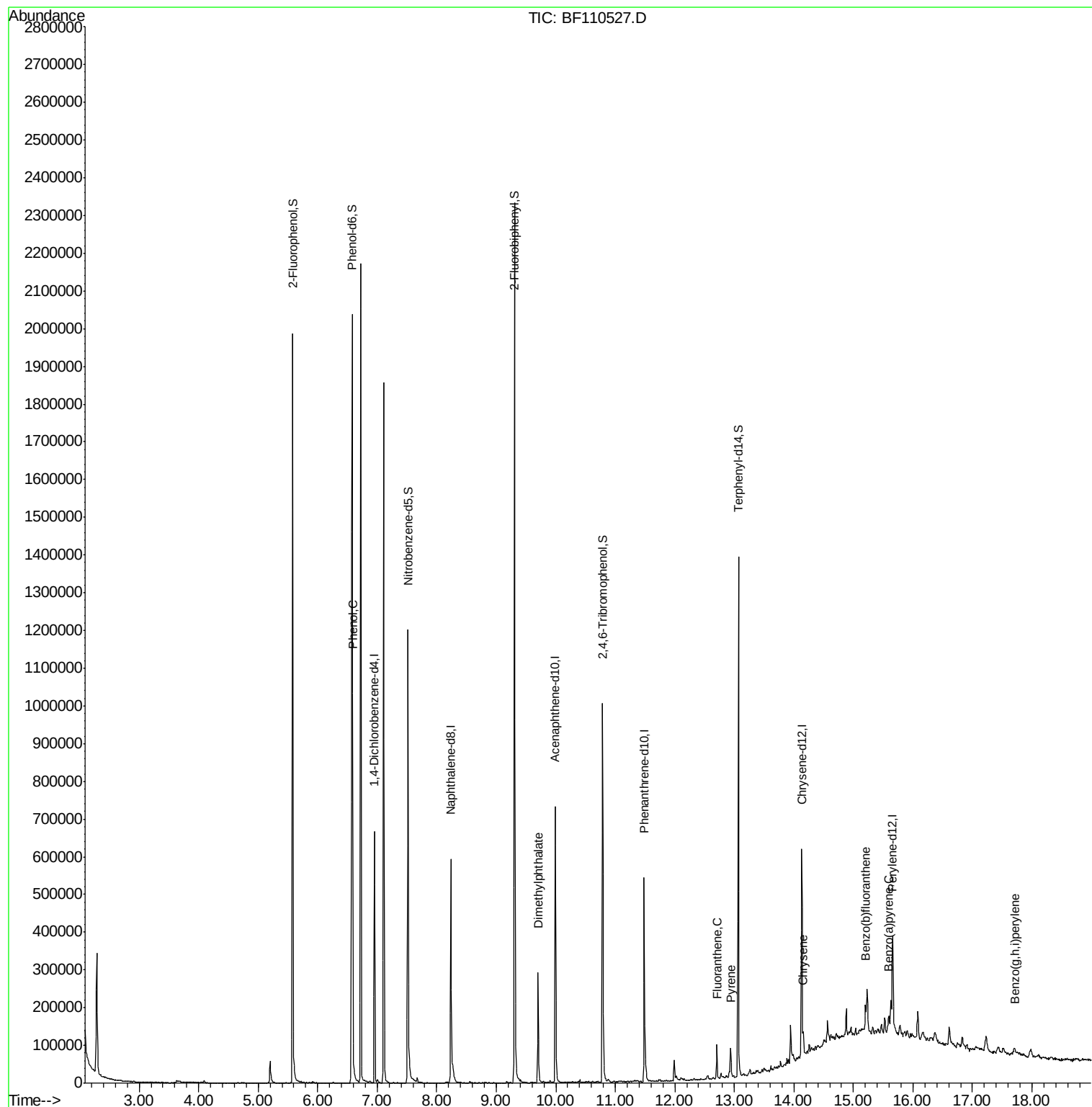
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\  
Data File : BF110527.D  
Acq On : 6 Nov 2018 20:46  
Operator : JU/SJ  
Sample : J5827-21  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

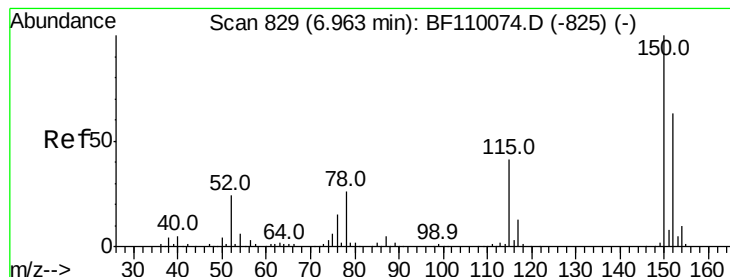
Instrument :  
BNA\_F  
ClientSampleId :  
SP-C

Quant Time: Nov 07 12:30:01 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 01 16:06:12 2018  
Response via : Initial Calibration

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#1

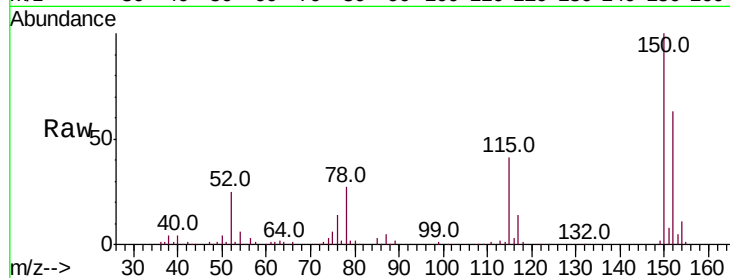
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

Instrument :  
BNA\_F  
ClientSampled :  
SP-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.6 | 122.7 | 184.1 |
| 115     | 65.3  | 49.1  | 73.7  |

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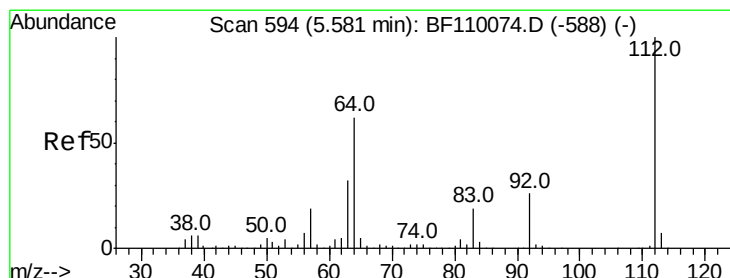
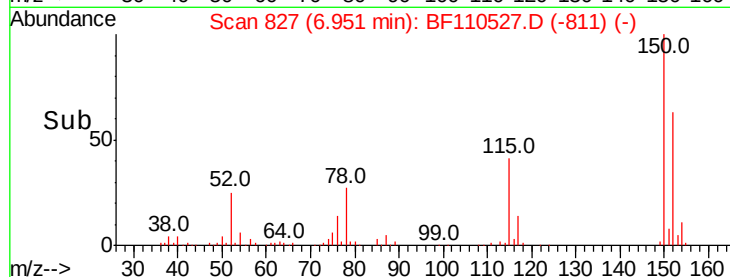
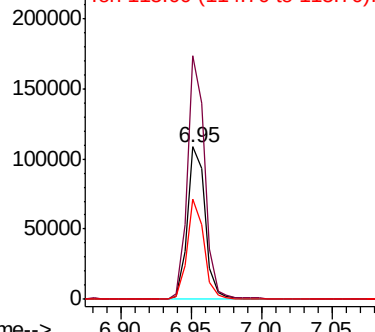


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

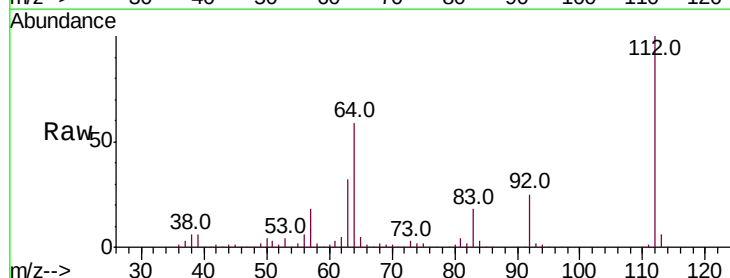
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 94.719 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.8  | 44.1  | 66.1  |
| 63      | 31.5  | 23.7  | 35.5  |

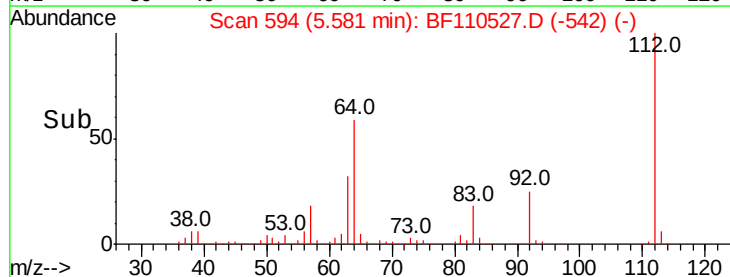
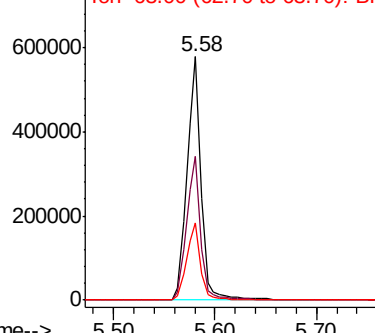


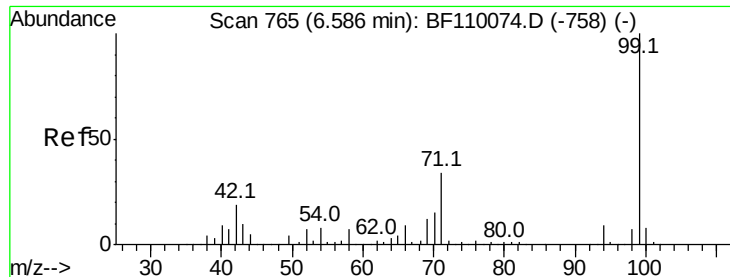
Abundance

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: 94.089 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

Instrument :

BNA\_F

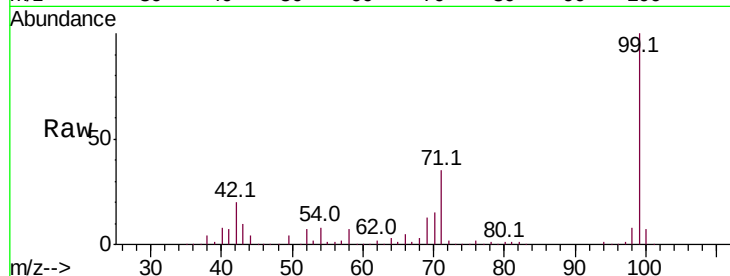
ClientSampleId :

SP-C

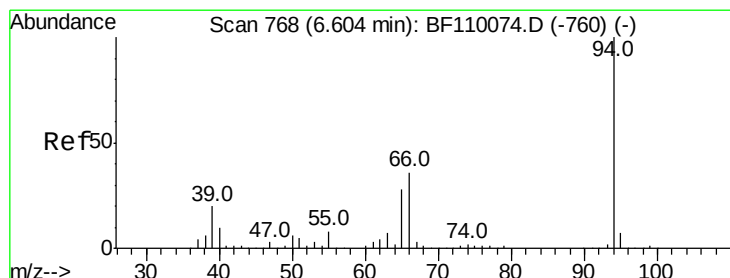
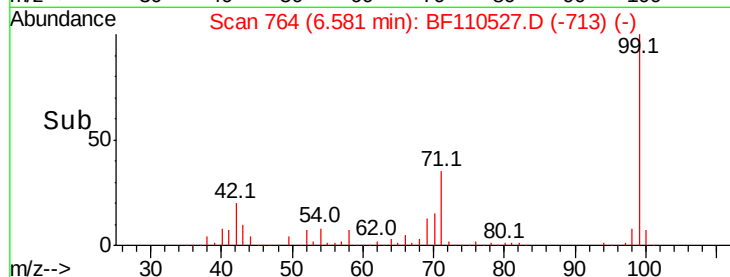
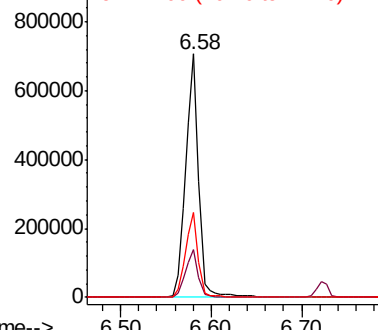
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 709433 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.8  | 15.8  | 23.6   |
| 71        | 34.8  | 28.0  | 42.0   |

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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



#10

Phenol

Concen: 6.059 ng

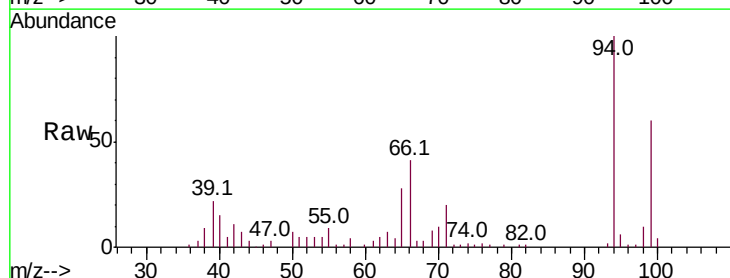
RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

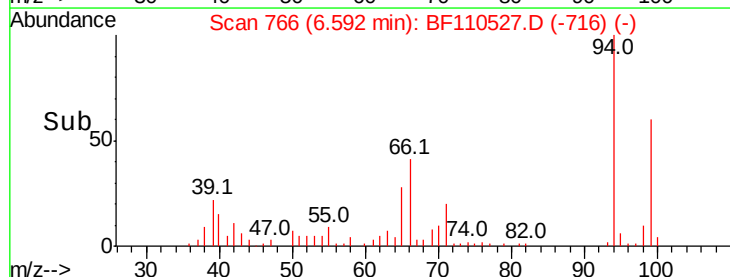
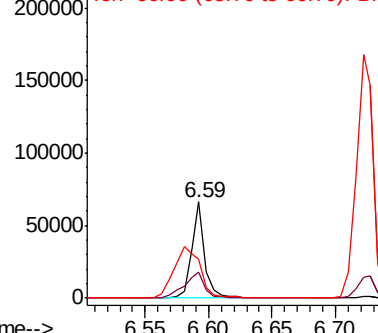
Lab File: BF110527.D

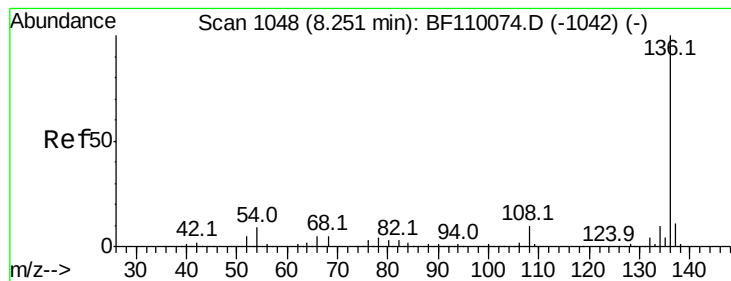
Acq: 6 Nov 2018 20:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 48832 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.5  | 25.3  | 65.3  |
| 66        | 40.9  | 54.5  | 94.5# |



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

Instrument :

BNA\_F

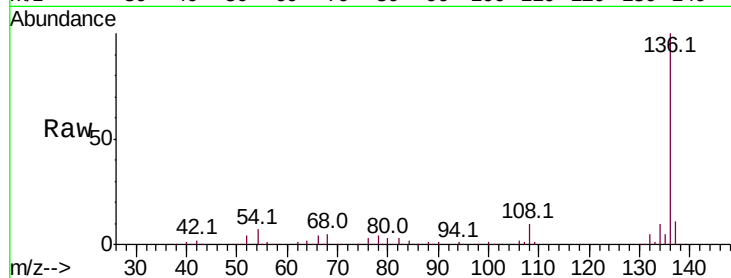
ClientSampleId :

SP-C

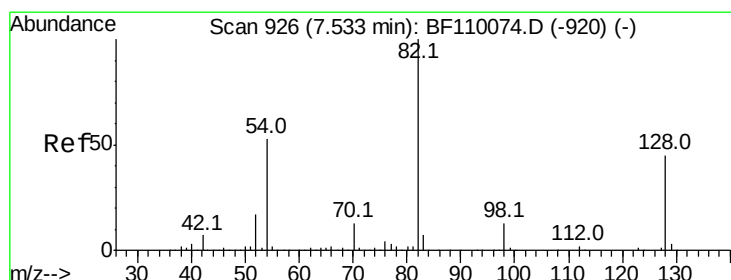
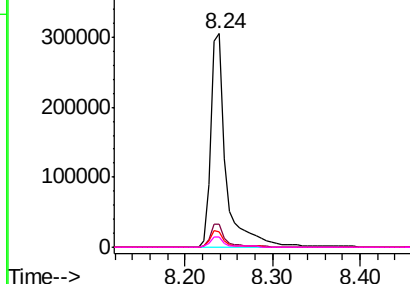
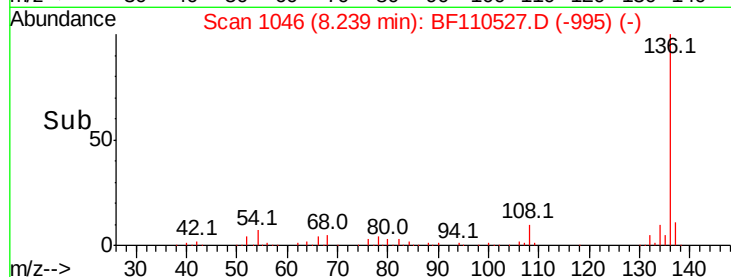
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 10.8  | 8.8        | 13.2  |
| 54      | 7.2   | 5.4        | 8.2   |
| 68      | 4.6   | 4.2        | 6.2   |

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



#23

Nitrobenzene-d5

Concen: 71.884 ng

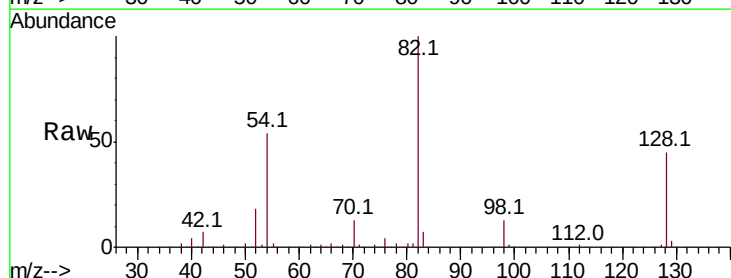
RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

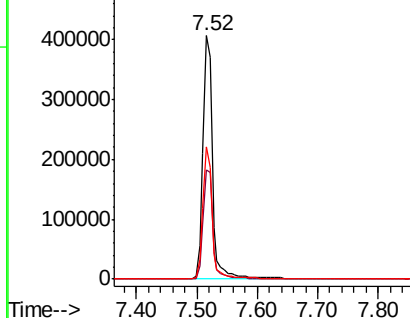
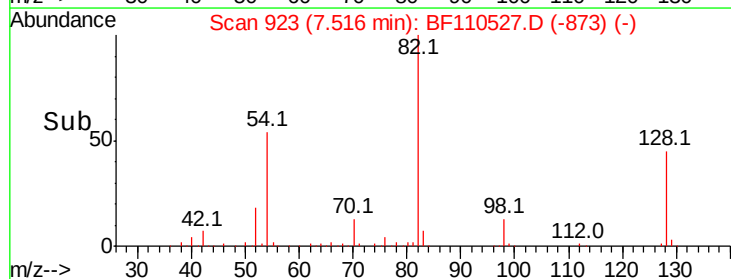
Lab File: BF110527.D

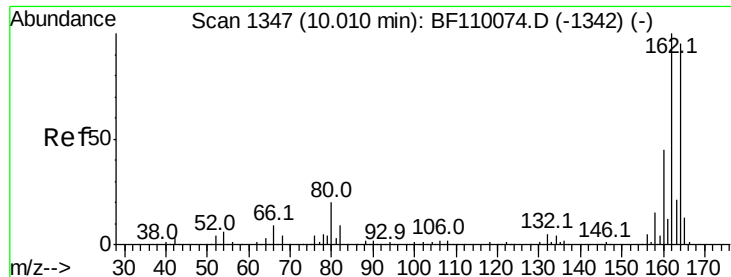
Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 44.6  | 34.2       | 51.2  |
| 54      | 54.3  | 38.6       | 58.0  |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





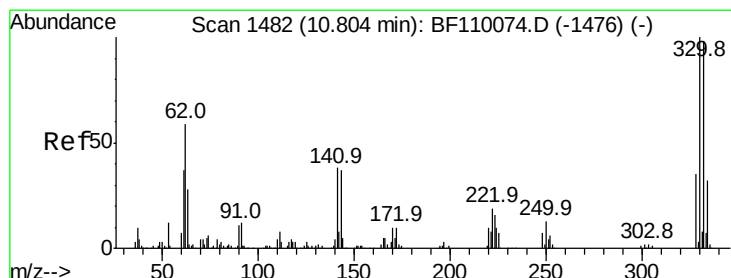
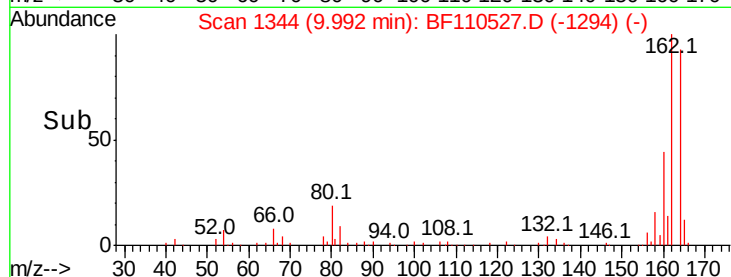
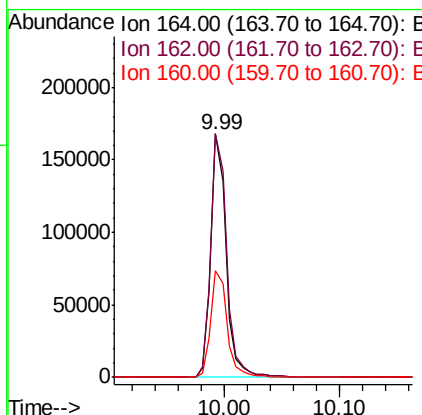
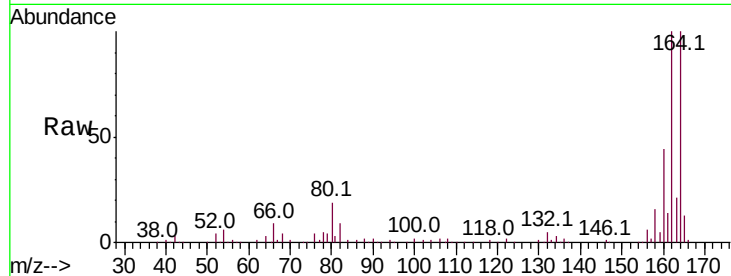
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

Instrument :  
BNA\_F  
ClientSampled :  
SP-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.9  | 83.0  | 124.6 |
| 160     | 43.6  | 37.0  | 55.6  |

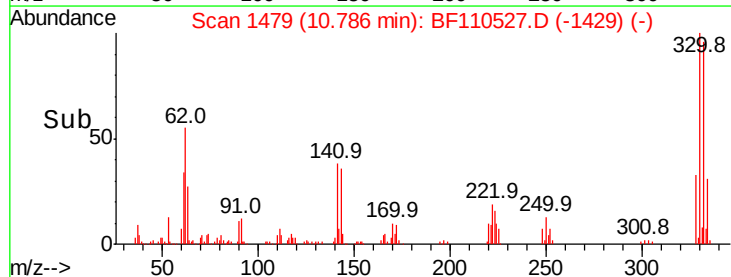
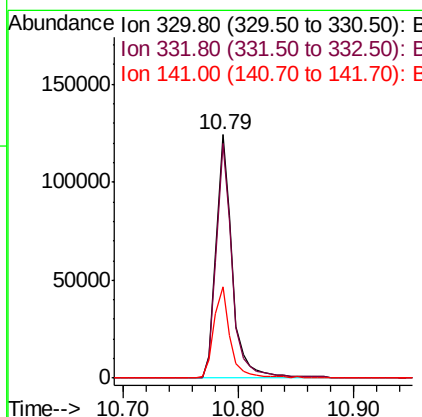
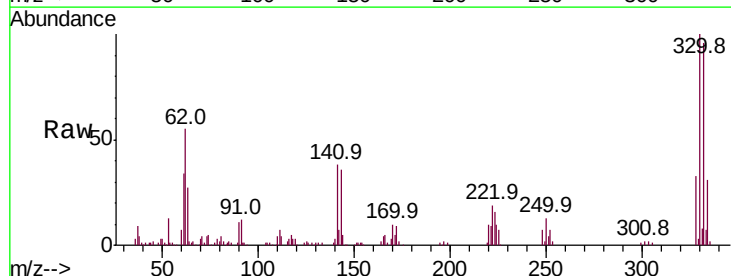
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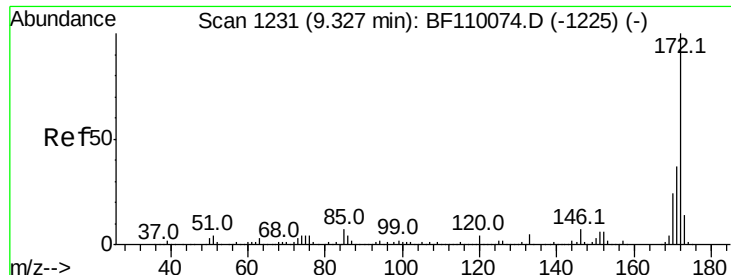
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#42  
2,4,6-Tribromophenol  
Concen: 78.618 ng  
RT: 10.79 min Scan# 1479  
Delta R.T. -0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.1  | 115.7 |
| 141     | 38.0  | 27.0  | 40.4  |





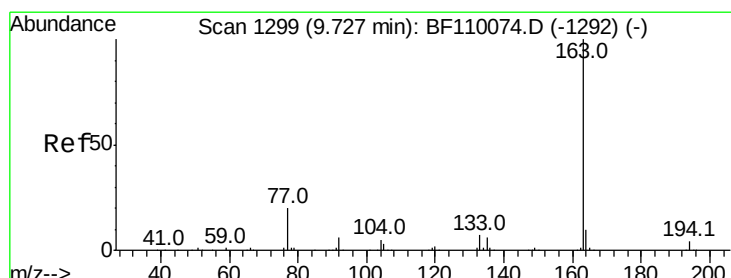
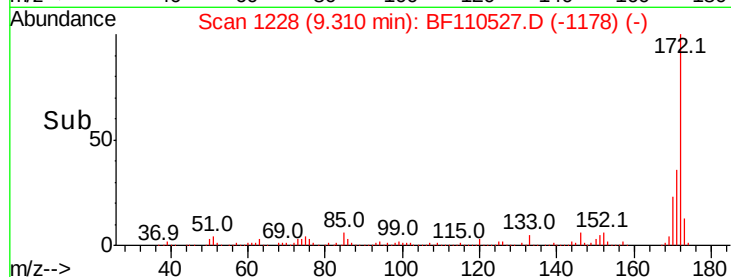
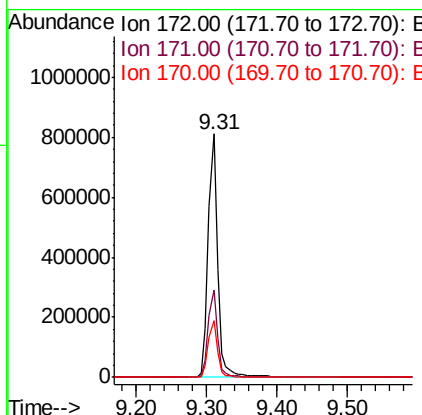
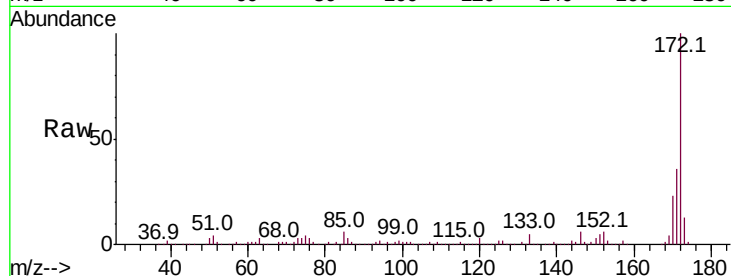
#45  
2-Fluorobiphenyl  
Concen: 76.267 ng  
RT: 9.31 min Scan# 1228  
Delta R.T. -0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

Instrument :  
BNA\_F  
ClientSampled :  
SP-C

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 757325 |       |       |
| 171     | 35.8  |        | 28.6  | 43.0  |
| 170     | 23.4  |        | 19.7  | 29.5  |

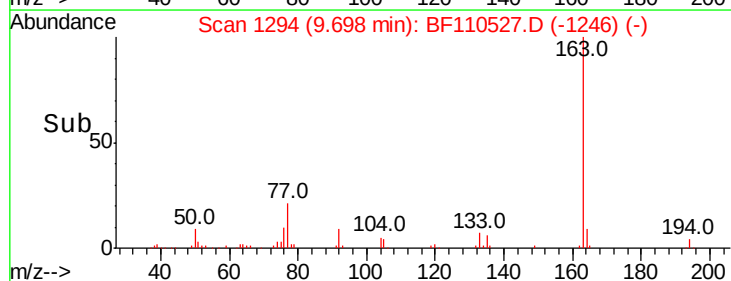
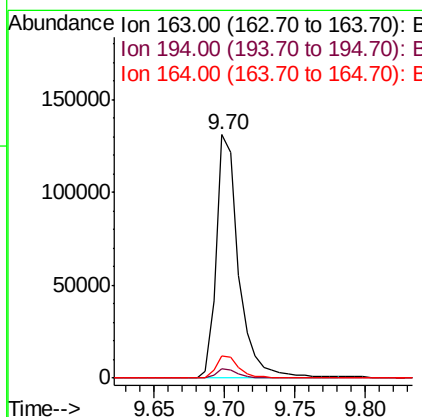
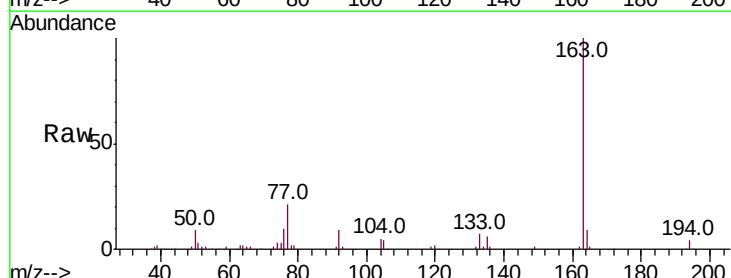
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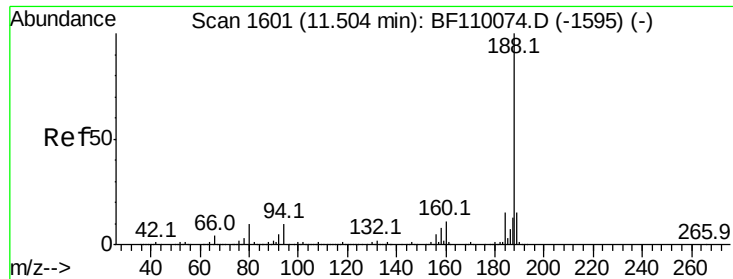
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#50  
Dimethylphthalate  
Concen: 12.605 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 145079 |       |       |
| 194     | 3.6   |        | 3.2   | 4.8   |
| 164     | 9.3   |        | 8.1   | 12.1  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

Instrument :

BNA\_F

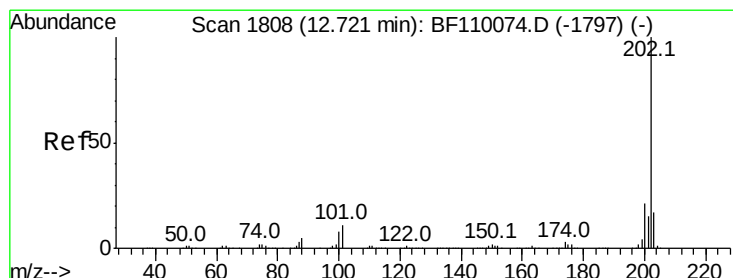
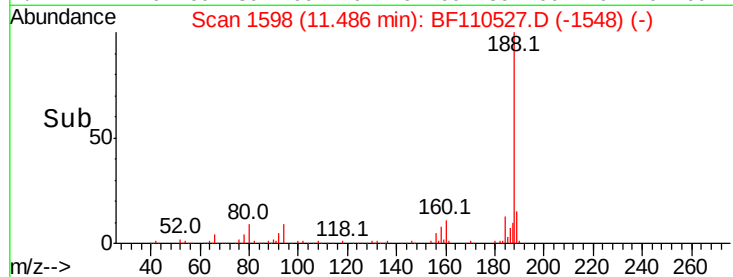
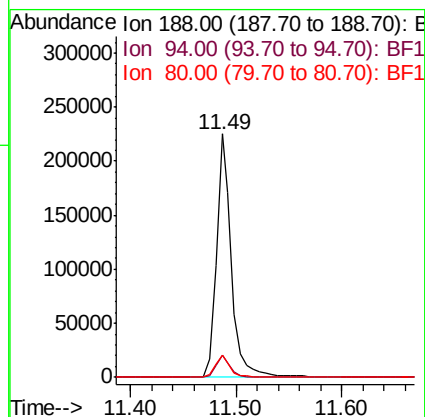
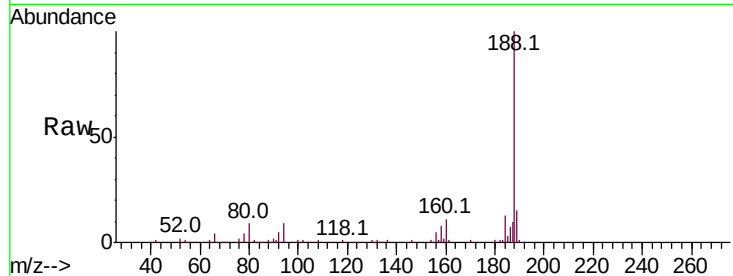
ClientSampleId :

SP-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 225034 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.0   | 7.2   | 10.8   |
| 80        | 9.3   | 7.9   | 11.9   |

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#75

Fluoranthene

Concen: 3.228 ng

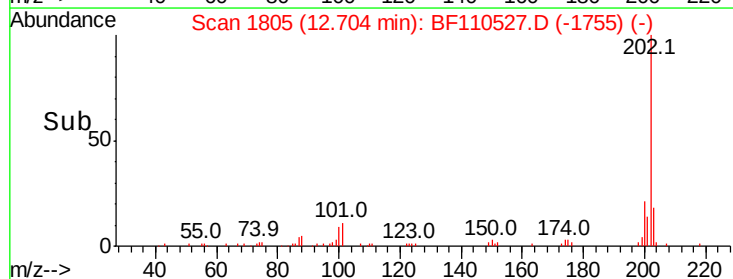
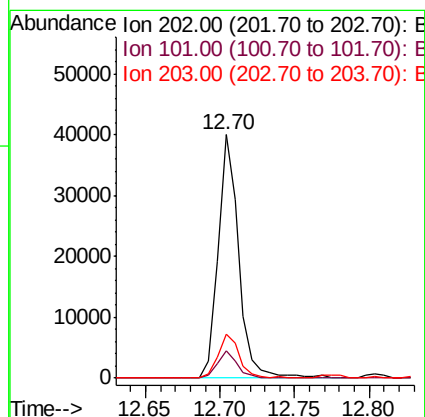
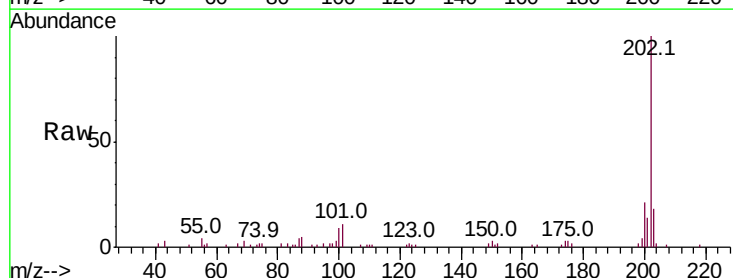
RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

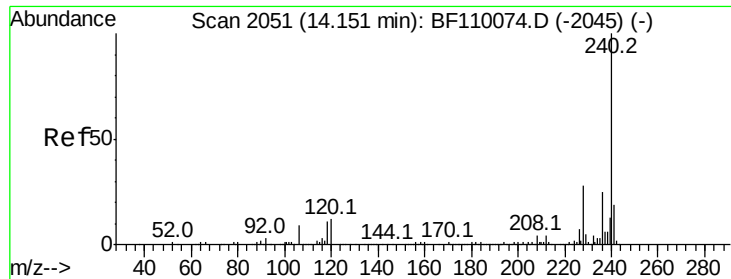
Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 38569 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.0  | 0.0   | 31.4  |
| 203       | 18.2  | 0.0   | 37.7  |







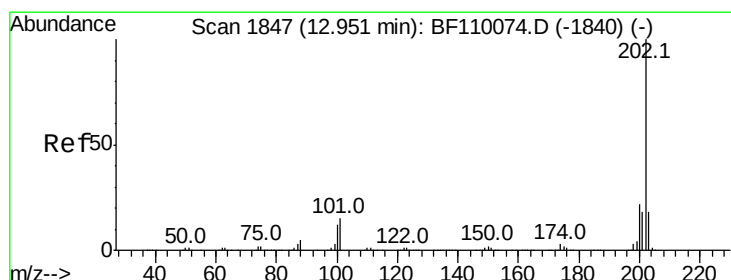
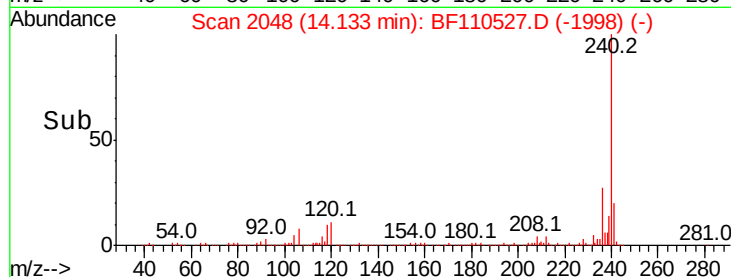
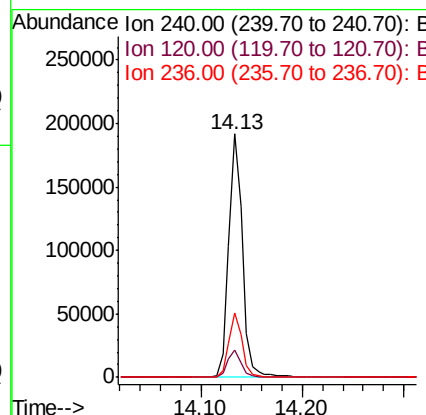
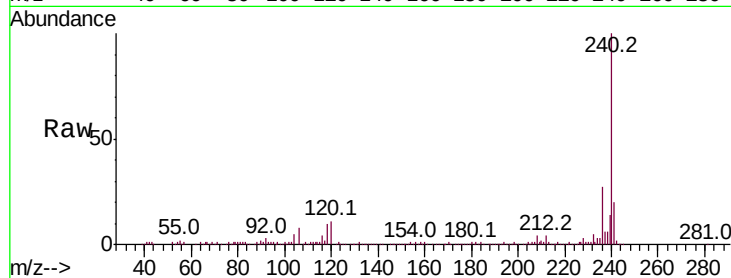
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: BF110527.D  
 Acq: 6 Nov 2018 20:46

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SP-C

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   |      |       |       |
| 120     | 11.2  | 8.3  | 12.5  |       |
| 236     | 26.6  | 21.2 | 31.8  |       |

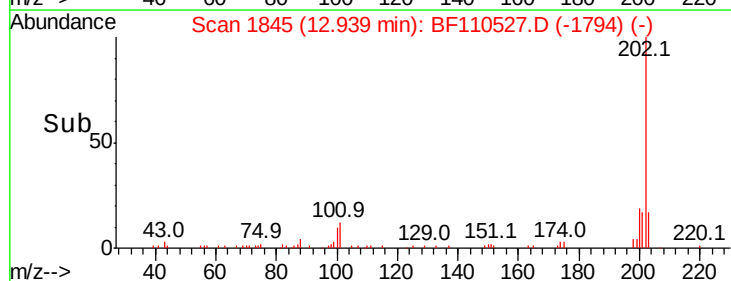
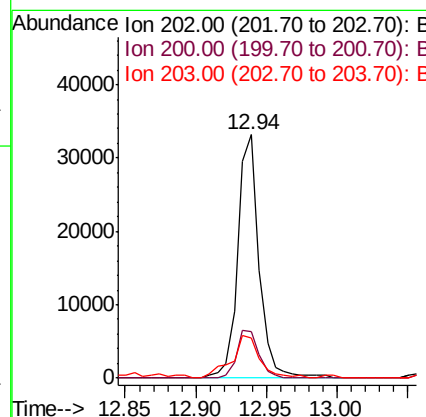
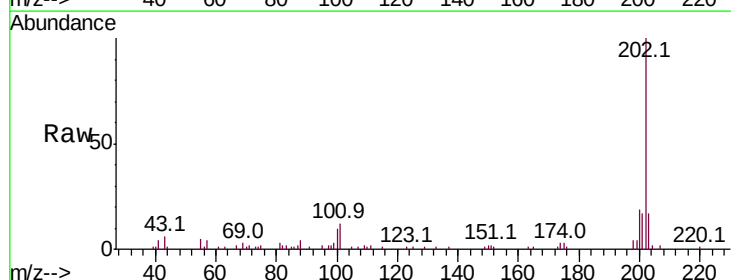
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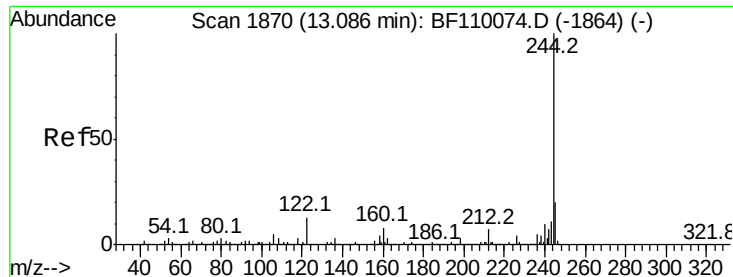
Sohil  
 11/7/2018 2:54:35 PM



#78  
 Pyrene  
 Concen: 2.702 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. 0.00 min  
 Lab File: BF110527.D  
 Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 200     | 19.1  | 17.8 | 26.6  |       |
| 203     | 16.5  | 14.2 | 21.4  |       |





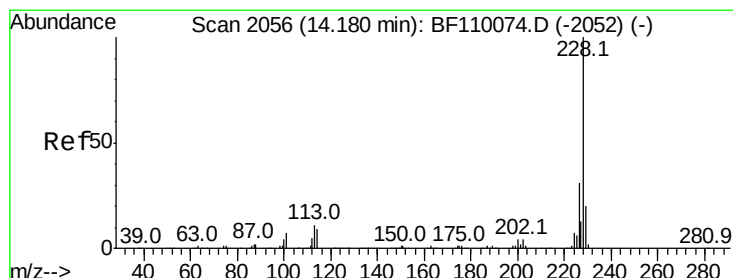
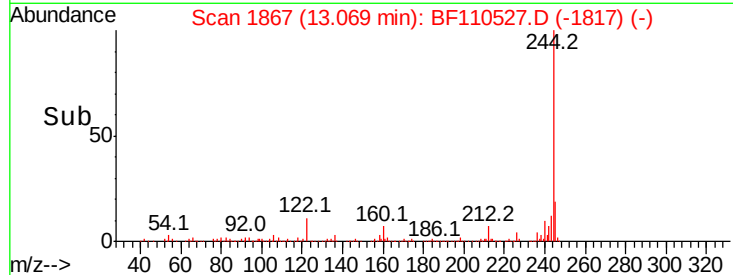
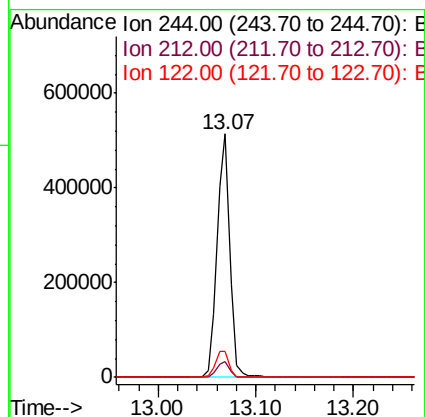
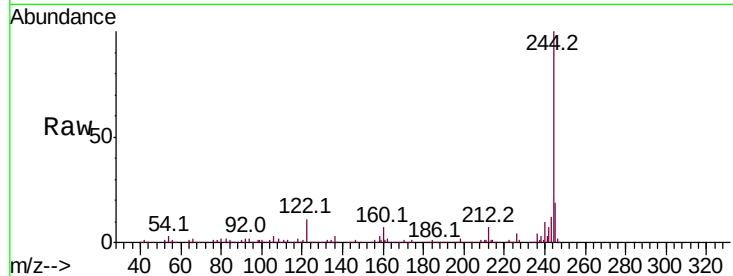
#79  
 Terphenyl-d14  
 Concen: 53.474 ng  
 RT: 13.07 min Scan# 1867  
 Delta R.T. -0.01 min  
 Lab File: BF110527.D  
 Acq: 6 Nov 2018 20:46

Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 463288 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.5   | 5.8   | 8.8    |
| 122       | 10.8  | 8.7   | 13.1   |

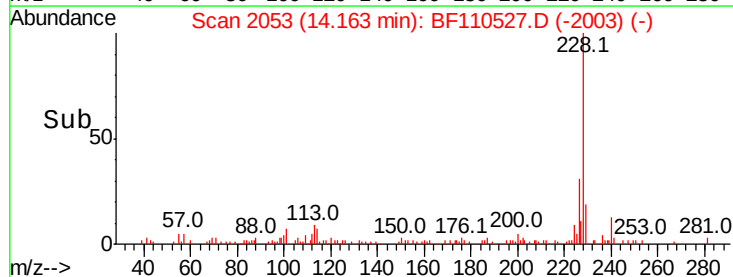
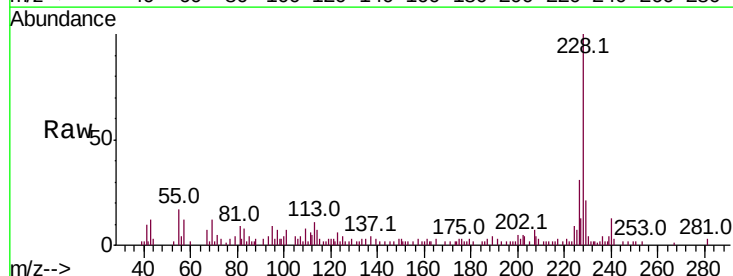
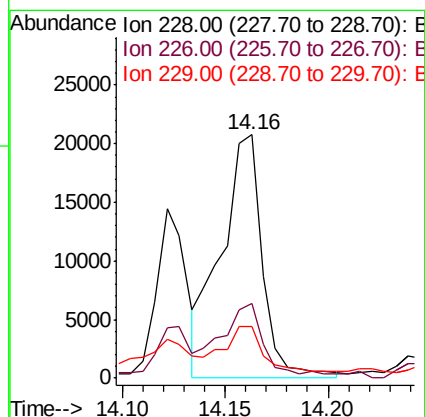
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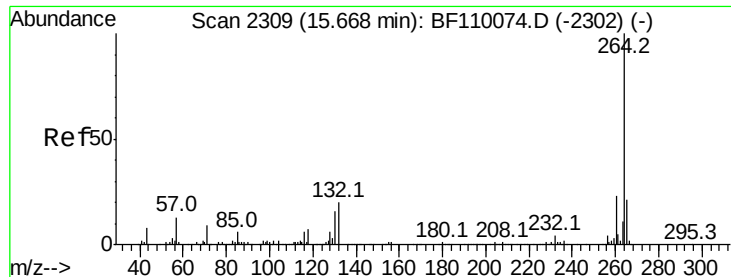
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#83  
 Chrysene  
 Concen: 2.923 ng m  
 RT: 14.16 min Scan# 2053  
 Delta R.T. -0.01 min  
 Lab File: BF110527.D  
 Acq: 6 Nov 2018 20:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 29669 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.6  | 24.7  | 37.1  |
| 229       | 21.0  | 15.9  | 23.9  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

Instrument :

BNA\_F

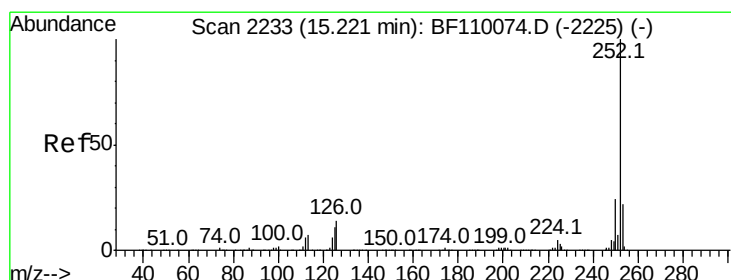
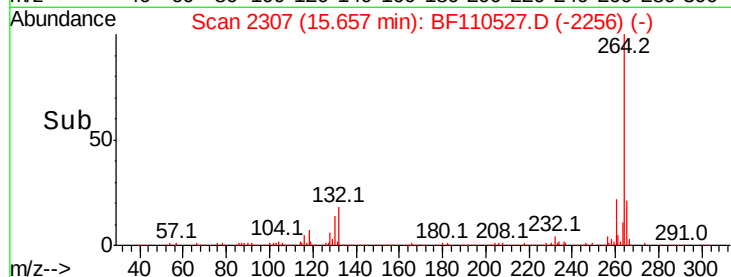
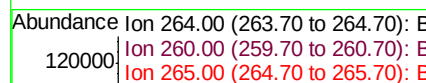
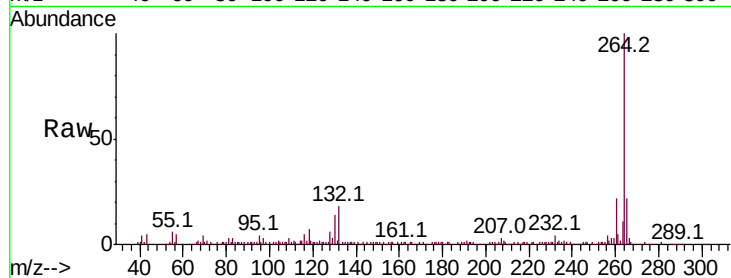
ClientSampled :

SP-C

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 133733 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.4  | 18.7  | 28.1   |
| 265       | 21.6  | 16.7  | 25.1   |

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#88

Benzo(b)fluoranthene

Concen: 5.033 ng m

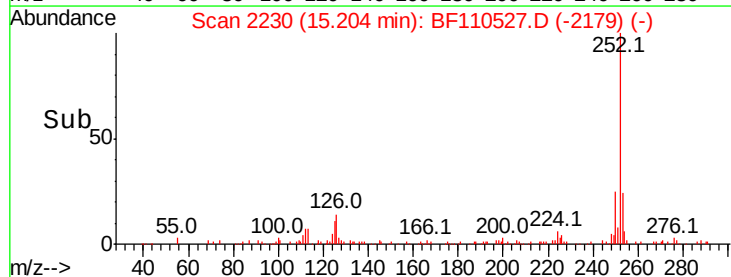
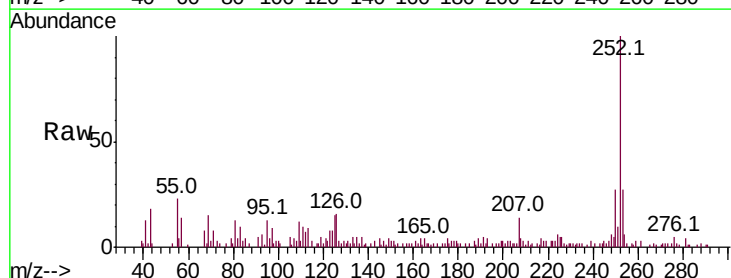
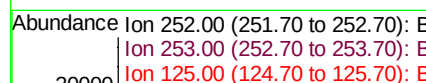
RT: 15.20 min Scan# 2230

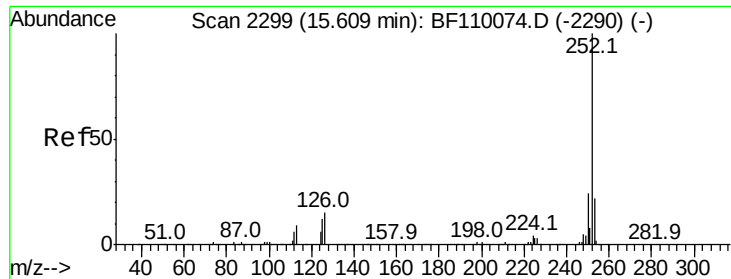
Delta R.T. 0.00 min

Lab File: BF110527.D

Acq: 6 Nov 2018 20:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 38865 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.6  | 17.2  | 25.8# |
| 125       | 15.0  | 8.2   | 12.4# |





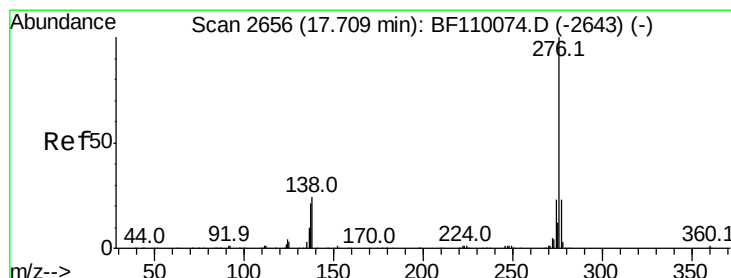
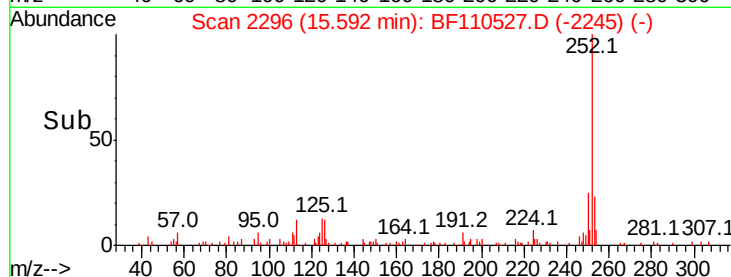
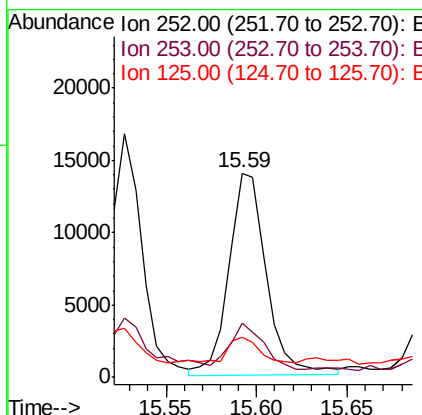
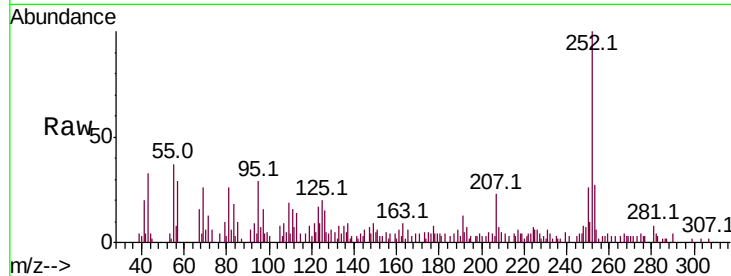
#90  
Benzo(a)pyrene  
Concen: 2.845 ng  
RT: 15.59 min Scan# 2296  
Delta R.T. 0.00 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

Instrument :  
BNA\_F  
ClientSampled :  
SP-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 18.2  | 27.4  |
| 125     | 19.9  | 9.0   | 13.6  |

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#92  
Benzo(g,h,i)perylene  
Concen: 2.407 ng  
RT: 17.71 min Scan# 2656  
Delta R.T. 0.01 min  
Lab File: BF110527.D  
Acq: 6 Nov 2018 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 29.0  | 18.8  | 28.2  |
| 138     | 26.7  | 16.0  | 24.0  |

