

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\  
 Data File : BF101809.D  
 Acq On : 28 Dec 2017 18:19  
 Operator : SJ/JU  
 Sample : I6970-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-5-10

Manual Integrations  
 APPROVED

Sohil  
 12/29/2017 11:55:21 AM

Quant Time: Dec 29 04:52:18 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 146298   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.06  | 136  | 570111   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 9.82  | 164  | 234288   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.31 | 188  | 368775   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 13.96 | 240  | 286867   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12            | 15.43 | 264  | 277342   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.40  | 112  | 992682   | 101.07 | ng    | 0.00        |
| 7) Phenol-d6                | 6.43  | 99   | 1177075  | 96.30  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 730069   | 71.28  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 211278   | 93.59  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1123533  | 74.39  | ng    | 0.00        |
| 78) Terphenyl-d14           | 12.89 | 244  | 819288   | 68.85  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.45  | 94   | 48436    | 3.477  | ng    | Qvalue # 71 |
| 49) Dimethylphthalate       | 9.54  | 163  | 66546    | 3.531  | ng    | # 97        |
| 51) Acenaphthene            | 9.85  | 154  | 33911    | 2.248  | ng    | 95          |
| 54) Dibenzofuran            | 10.03 | 168  | 54165    | 2.825  | ng    | 99          |
| 57) Fluorene                | 10.37 | 166  | 45154    | 2.784  | ng    | 97          |
| 70) Phenanthrene            | 11.34 | 178  | 539100   | 26.287 | ng    | 98          |
| 71) Anthracene              | 11.39 | 178  | 137959   | 6.586  | ng    | 97          |
| 72) Carbazole               | 11.56 | 167  | 67562    | 3.445  | ng    | 100         |
| 74) Fluoranthene            | 12.53 | 202  | 483152   | 22.445 | ng    | 97          |
| 77) Pyrene                  | 12.76 | 202  | 407351   | 18.921 | ng    | 98          |
| 80) Benzo(a)anthracene      | 13.95 | 228  | 191033   | 10.085 | ng    | 96          |
| 82) Chrysene                | 13.99 | 228  | 174511   | 9.757  | ng    | 98          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.92 | 276  | 75171    | 4.720  | ng    | # 90        |
| 87) Benzo(b)fluoranthene    | 15.01 | 252  | 196294m  | 11.612 | ng    |             |
| 88) Benzo(k)fluoranthene    | 15.03 | 252  | 55719m   | 3.390  | ng    |             |
| 89) Benzo(a)pyrene          | 15.37 | 252  | 134858   | 8.654  | ng    | 98          |
| 91) Benzo(a,h,i)perylene    | 17.37 | 276  | 67702    | 5.110  | ng    | # 94        |

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

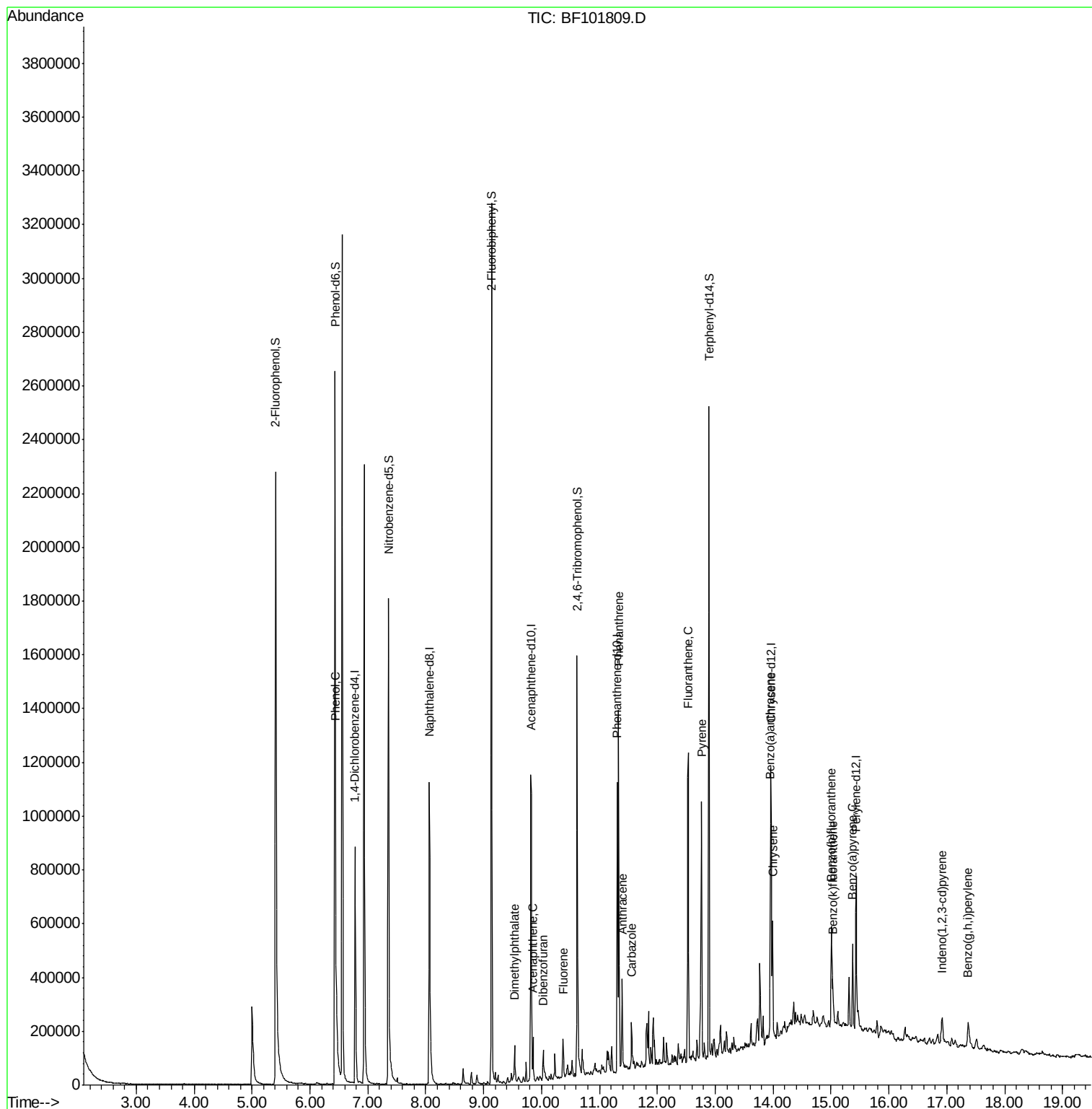
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\  
Data File : BF101809.D  
Acq On : 28 Dec 2017 18:19  
Operator : SJ/JU  
Sample : I6970-10  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

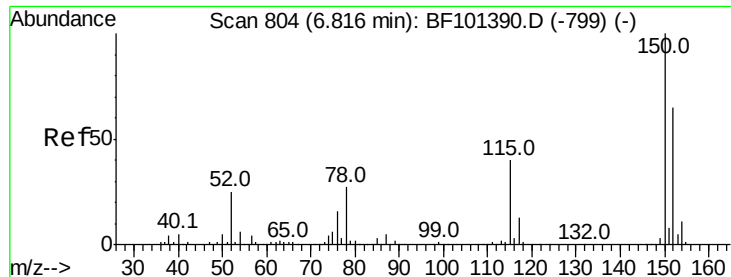
Instrument :  
BNA\_F  
ClientSampleId :  
S4-5-10

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12/29/2017 11:55:21 AM

Quant Time: Dec 29 04:52:18 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 26 10:48:01 2017  
Response via : Initial Calibration





#1

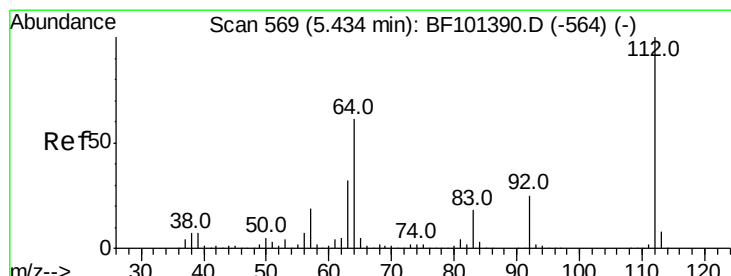
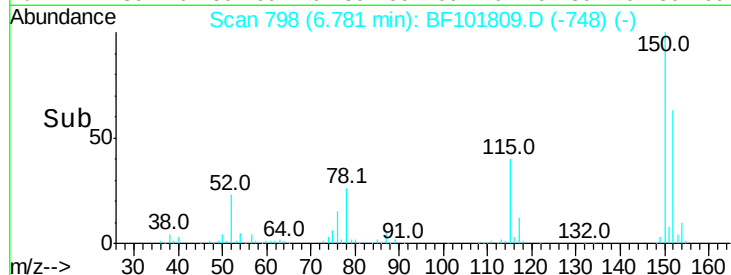
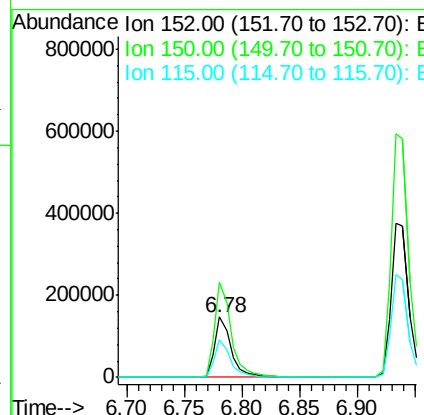
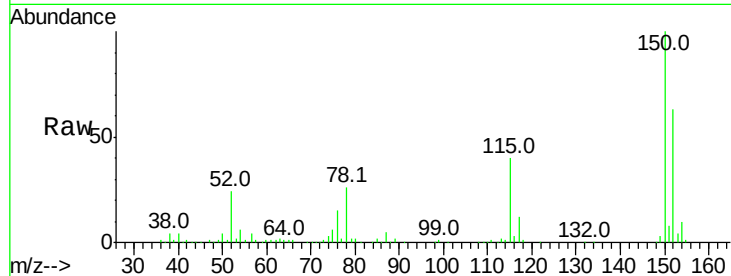
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.78 min Scan# 798  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampled :  
S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 124.6 | 186.8 |
| 115     | 62.5  | 50.1  | 75.1  |

Manual Integrations  
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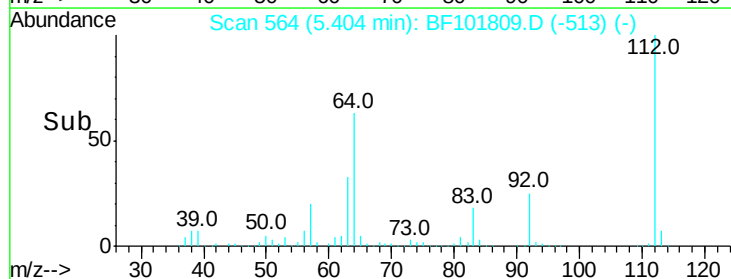
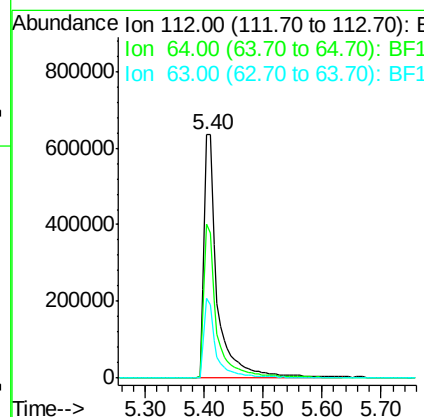
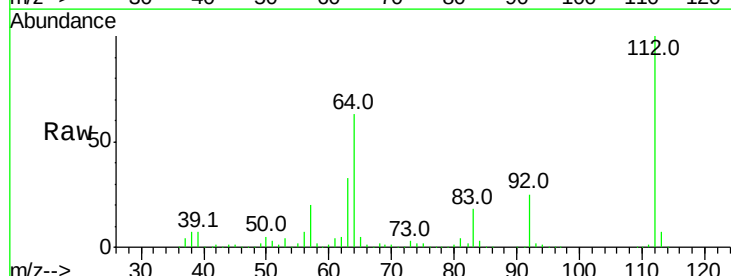
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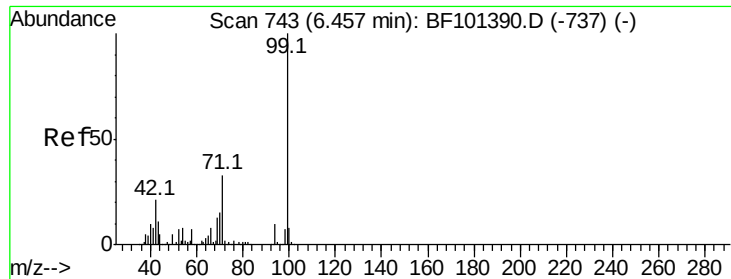


#5

2-Fluorophenol  
Concen: 101.073 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.3  | 47.9  | 71.9  |
| 63      | 32.9  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 96.299 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

Instrument :

BNA\_F

ClientSampleId :

S4-5-10

Tot Ion: 99 Resp: 1177075

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

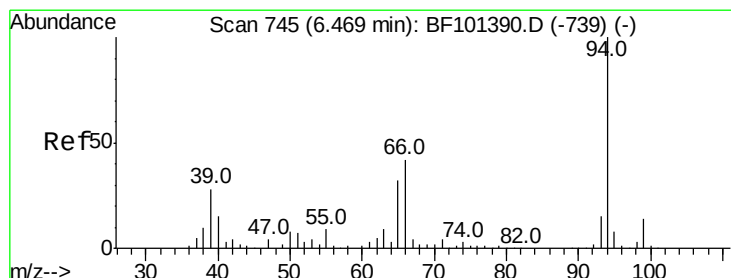
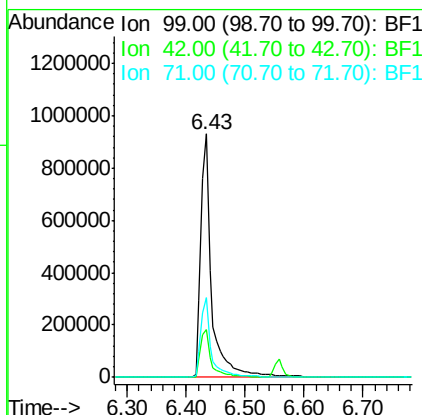
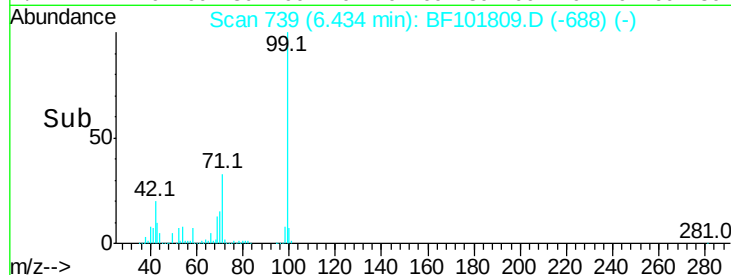
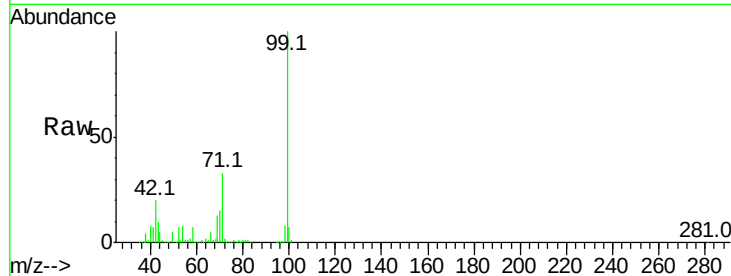
71 32.8 25.4 38.0

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#10

Phenol

Concen: 3.477 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

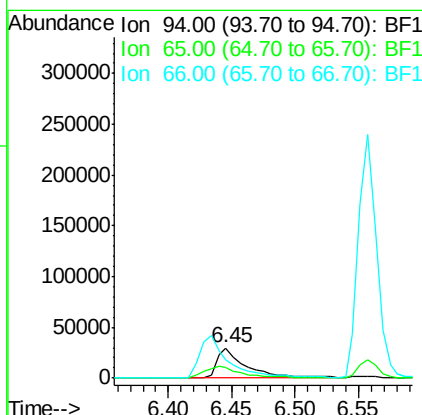
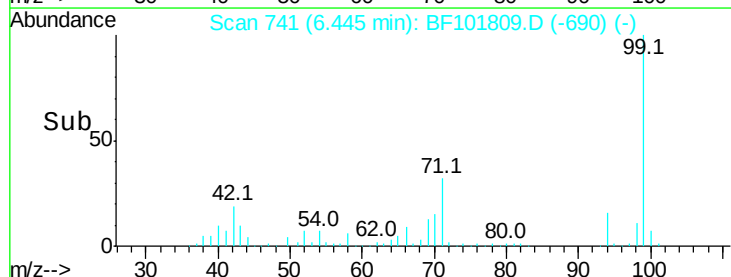
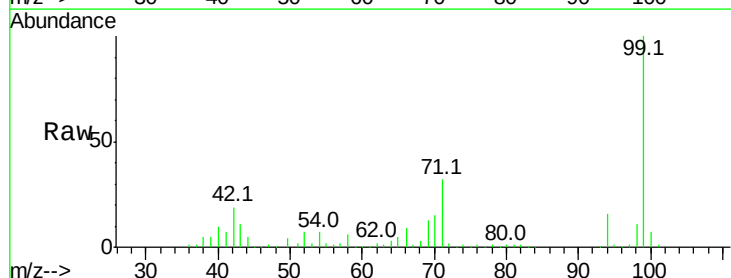
Tgt Ion: 94 Resp: 48436

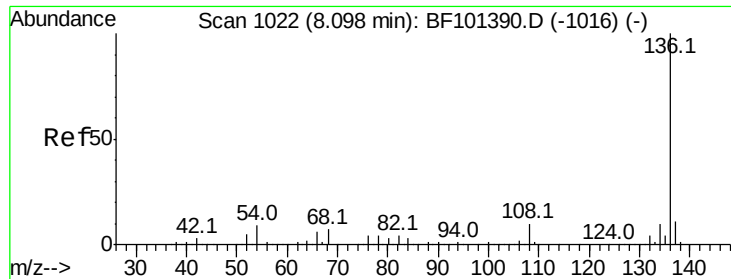
Ion Ratio Lower Upper

94 100

65 34.6 7.9 47.9

66 60.5 16.2 56.2#





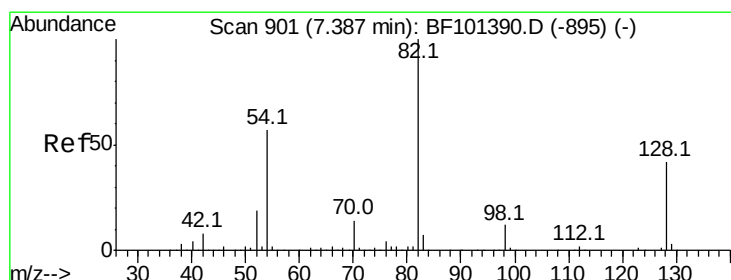
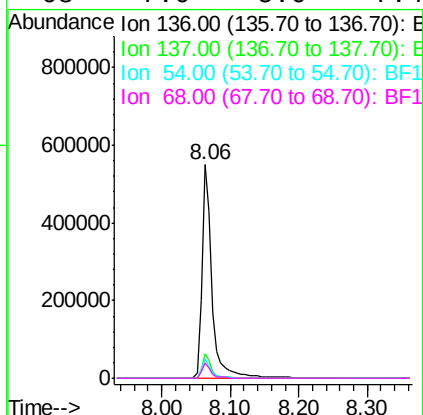
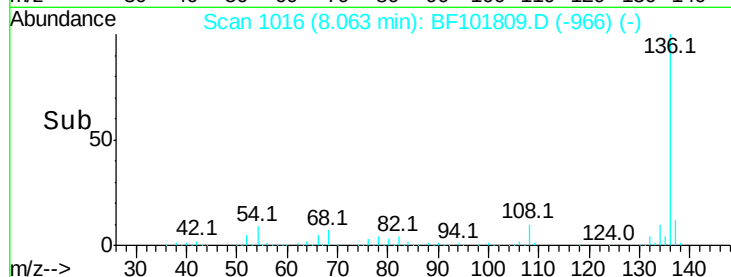
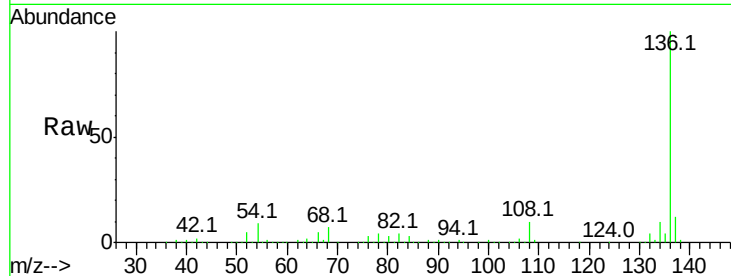
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.06 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
S4-5-10

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.5  | 8.9  | 13.3  |       |
| 54      | 9.2   | 6.6  | 9.8   |       |
| 68      | 7.0   | 5.0  | 7.4   |       |

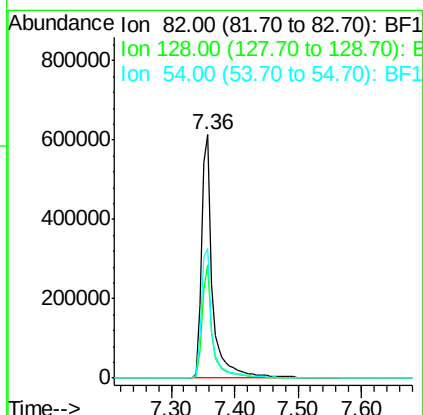
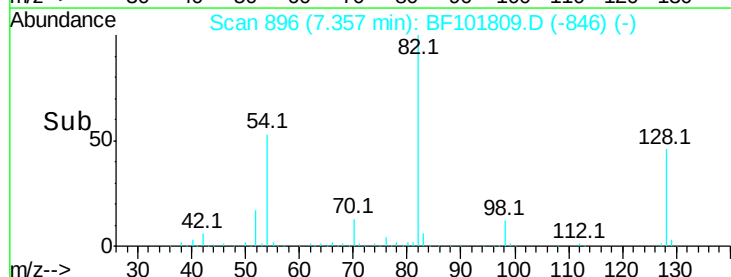
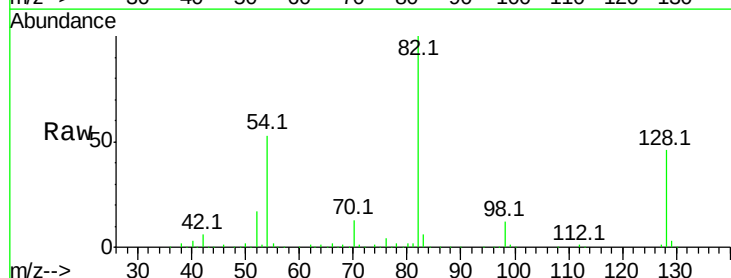
Manual Integrations  
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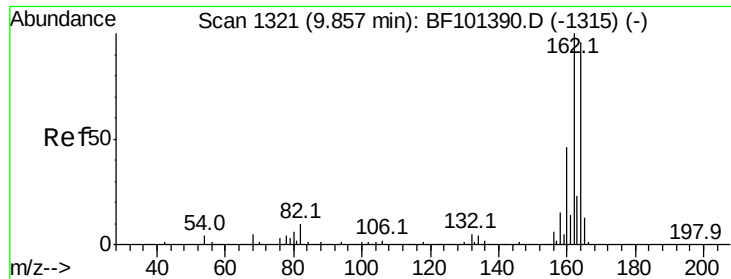
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#23  
Nitrobenzene-d5  
Concen: 71.284 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.3  | 36.1 | 54.1  |       |
| 54      | 53.3  | 41.4 | 62.2  |       |





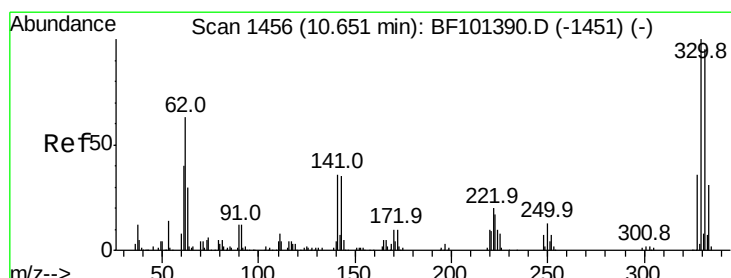
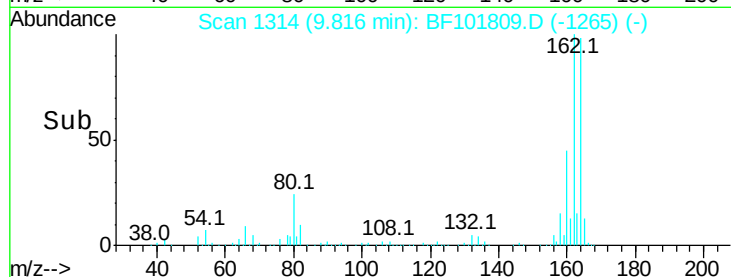
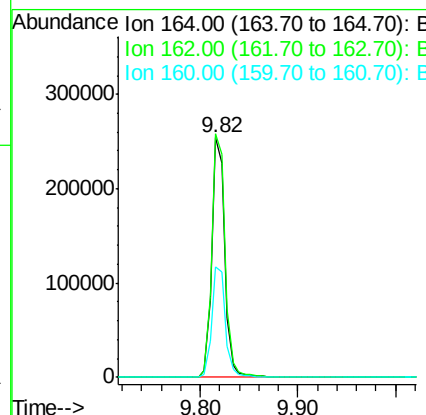
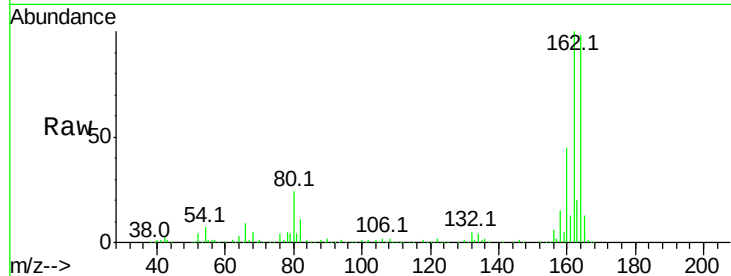
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1314  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
S4-5-10

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 234288 |       |       |
| 162     | 101.8 | 86.1   | 129.1 |       |
| 160     | 45.9  | 38.3   | 57.5  |       |

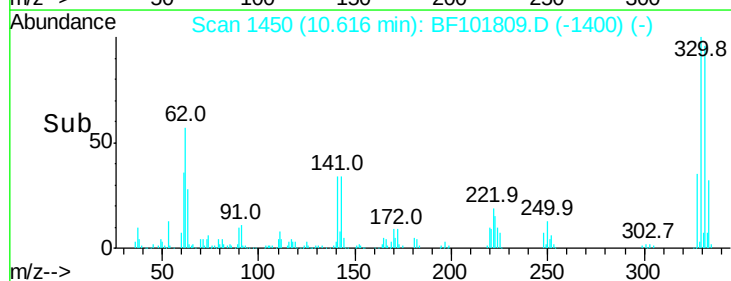
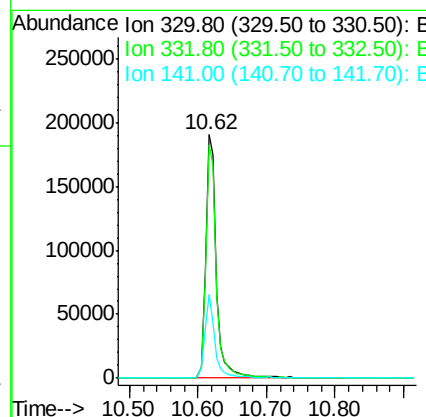
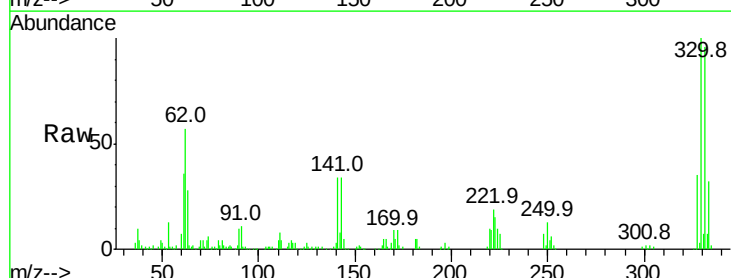
Manual Integrations  
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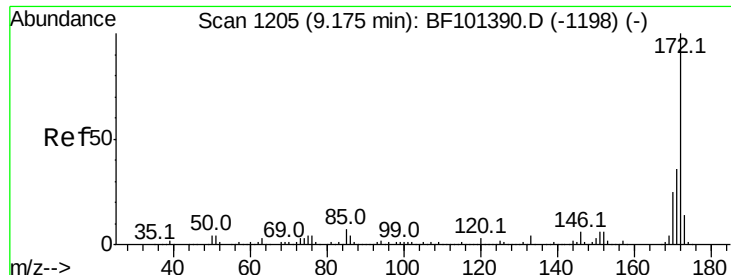
Sohil  
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#41  
2,4,6-Tribromophenol  
Concen: 93.587 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 211278 |       |       |
| 332     | 95.6  | 77.0   | 115.6 |       |
| 141     | 32.5  | 29.9   | 44.9  |       |





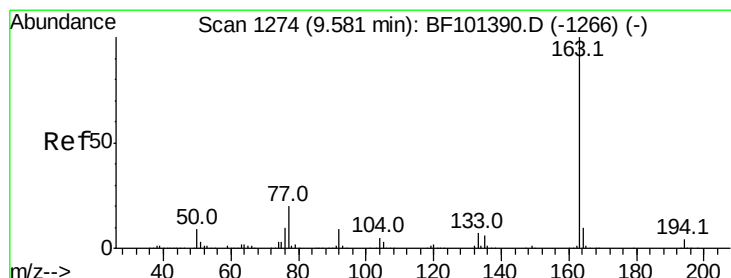
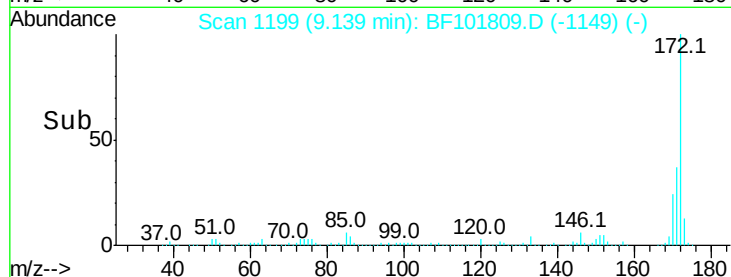
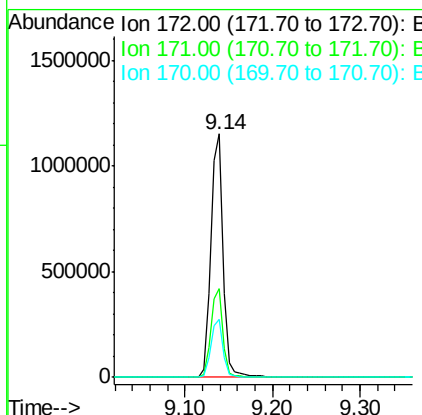
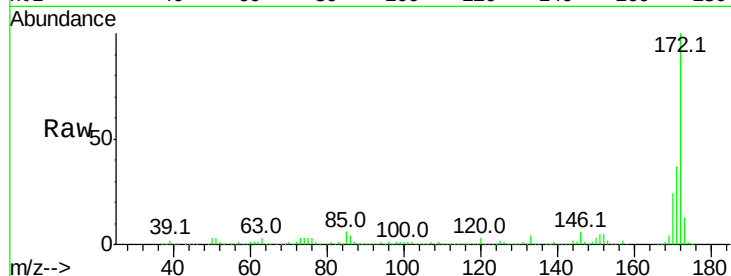
#44  
2-Fluorobiphenyl  
Concen: 74.390 ng  
RT: 9.14 min Scan# 1199  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampleId :  
S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 23.8  | 19.6  | 29.4  |

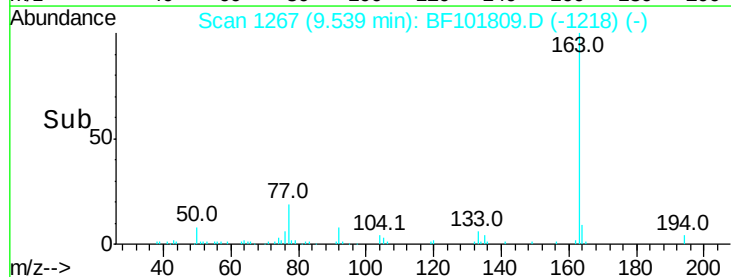
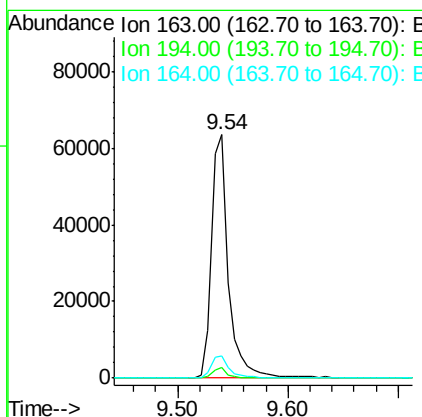
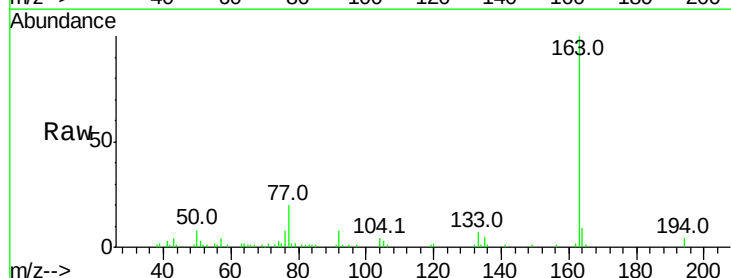
Manual Integrations  
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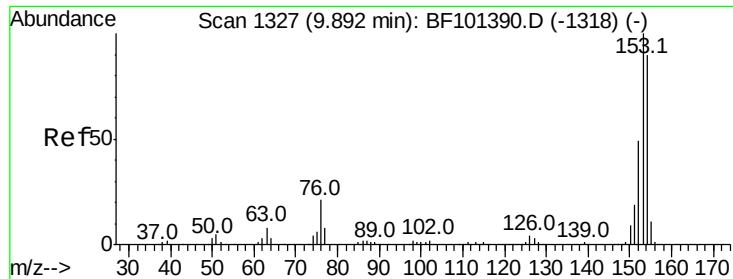
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#49  
Dimethylphthalate  
Concen: 3.531 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 2.7   | 4.1#  |
| 164     | 9.0   | 8.2   | 12.2  |





#51

Acenaphthene

Concen: 2.248 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

Instrument :

BNA\_F

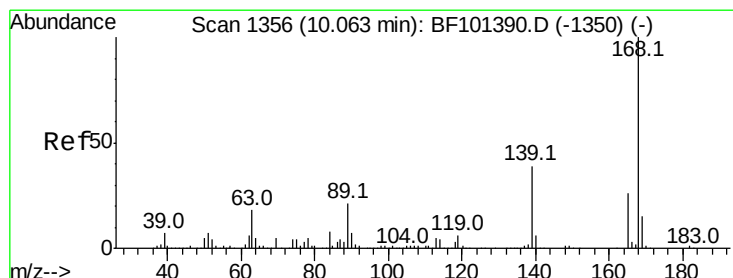
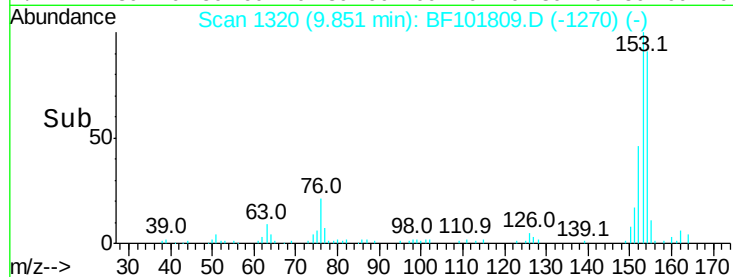
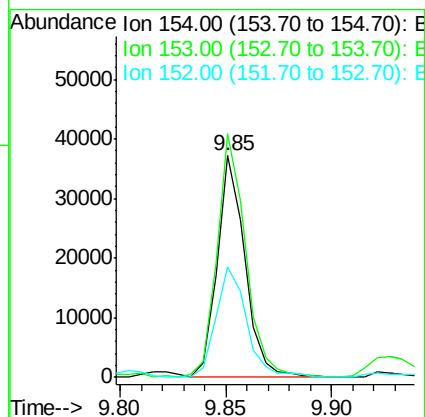
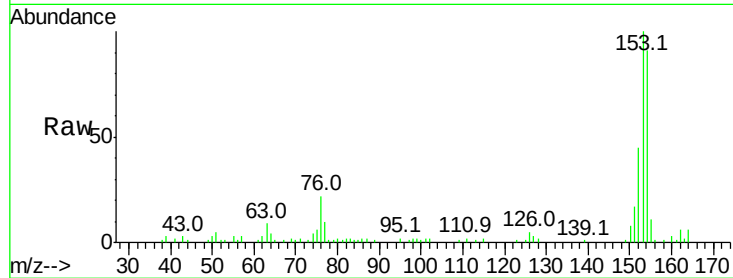
ClientSampled :

S4-5-10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 33911 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 110.1 | 91.2  | 136.8 |
| 152       | 50.0  | 43.8  | 65.8  |

Manual Integrations  
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#54

Dibenzofuran

Concen: 2.825 ng

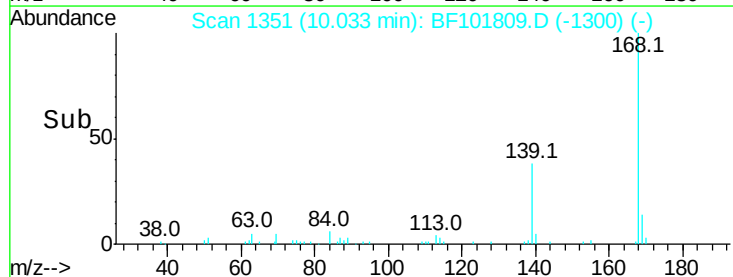
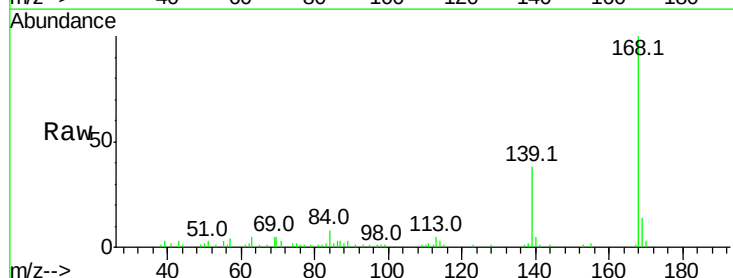
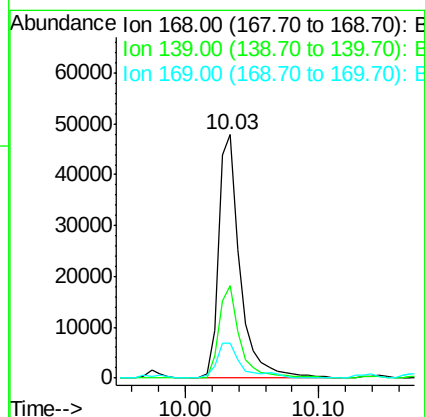
RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

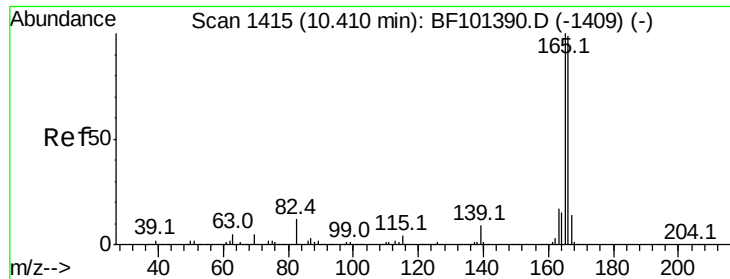
Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 168   | Resp: | 54165 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 38.2  | 30.1  | 45.1  |
| 169       | 14.3  | 10.9  | 16.3  |







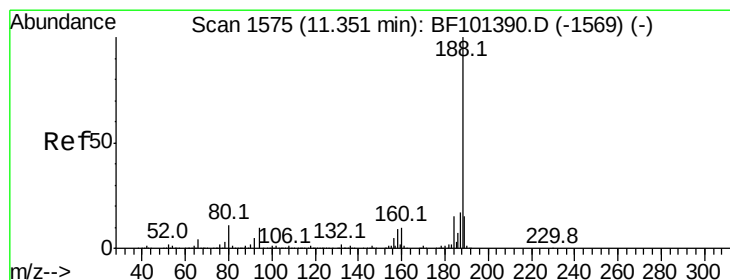
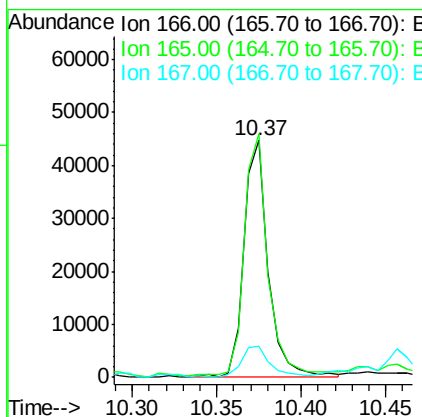
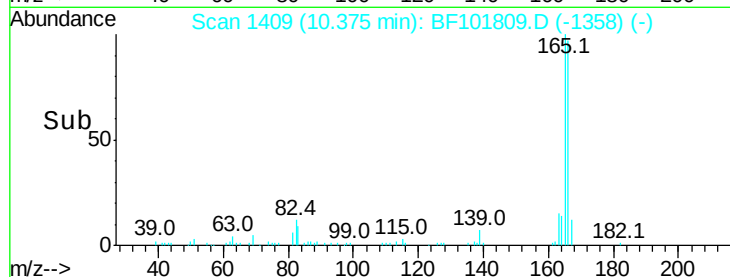
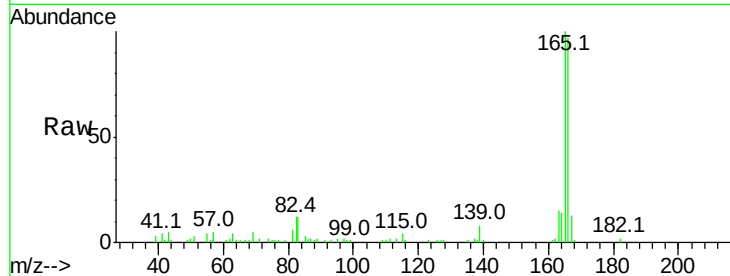
#57  
**Fluorene**  
 Concen: 2.784 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. 0.00 min  
 Lab File: BF101809.D  
 Acq: 28 Dec 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.8 | 79.8  | 119.8 |
| 167     | 13.4  | 10.6  | 16.0  |

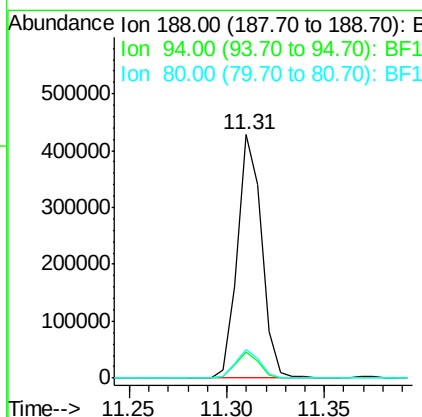
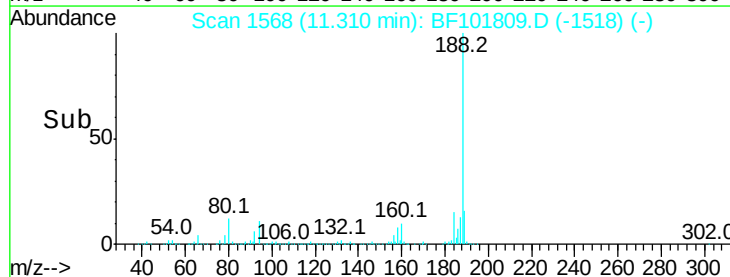
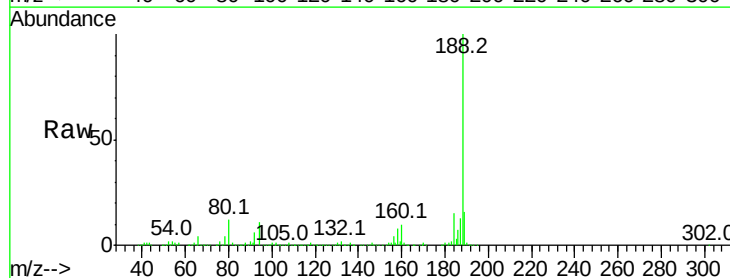
Manual Integrations  
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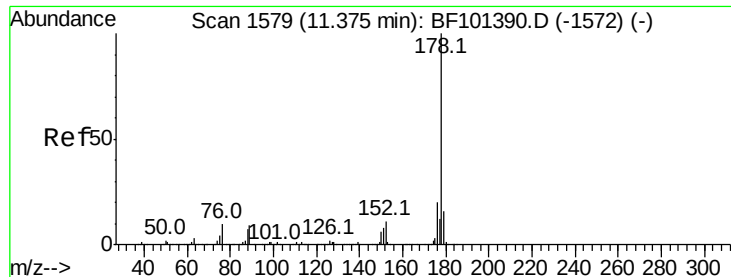
Sohil  
 12/29/2017 11:55:21 AM



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. -0.01 min  
 Lab File: BF101809.D  
 Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.5   | 12.7  |
| 80      | 11.9  | 9.2   | 13.8  |





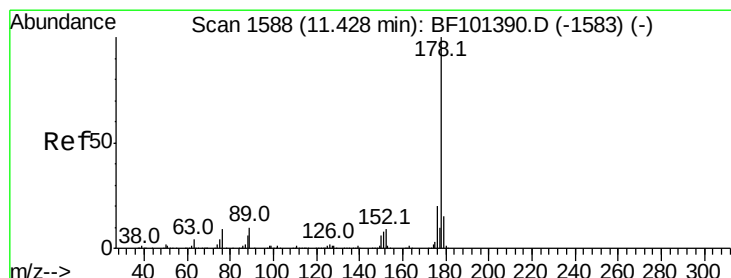
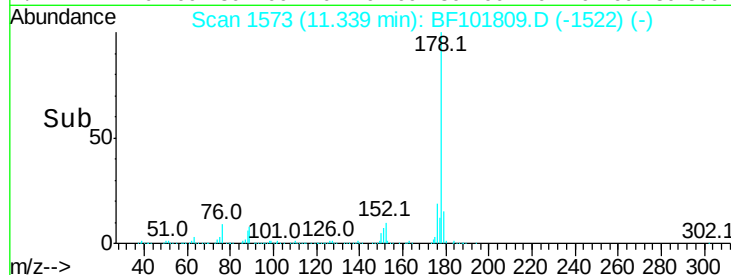
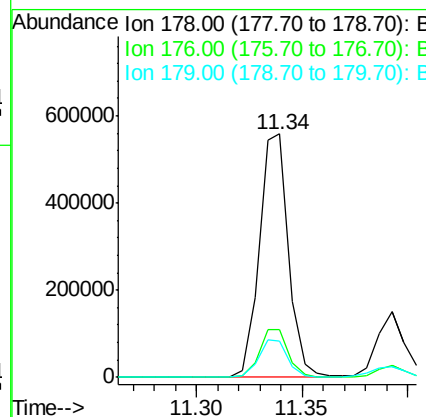
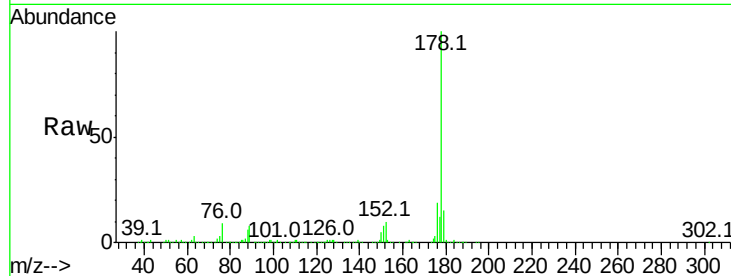
#70  
Phenanthrene  
Concen: 26.287 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampled :  
S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 15.2  | 13.0  | 19.6  |

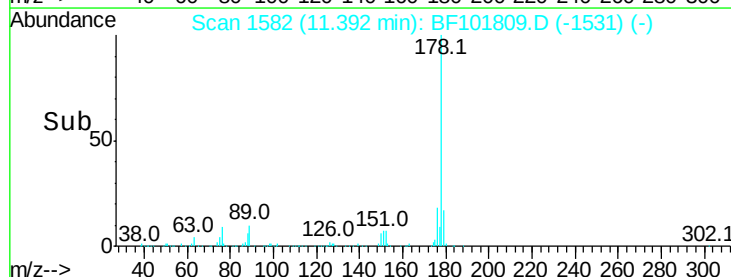
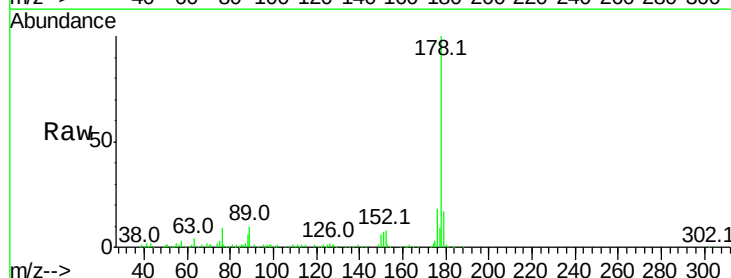
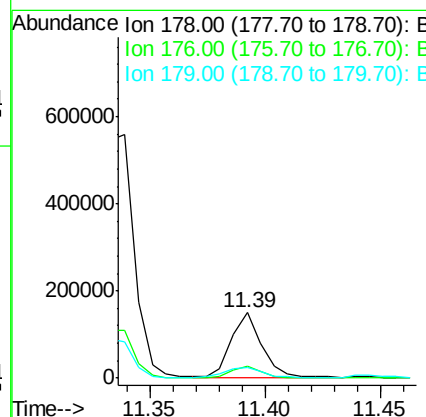
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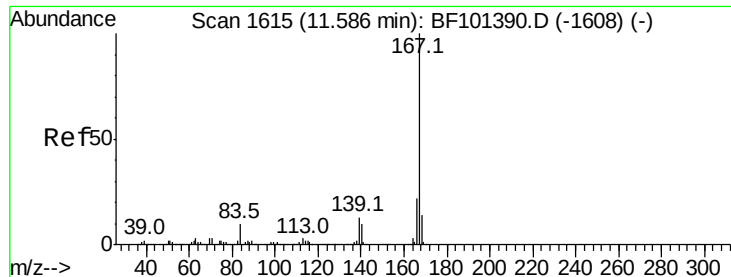
Sohil  
12/29/2017 11:55:21 AM



#71  
Anthracene  
Concen: 6.586 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 15.4  | 23.2  |
| 179     | 17.0  | 12.6  | 19.0  |





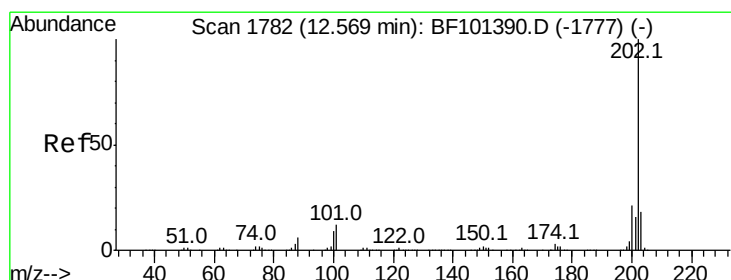
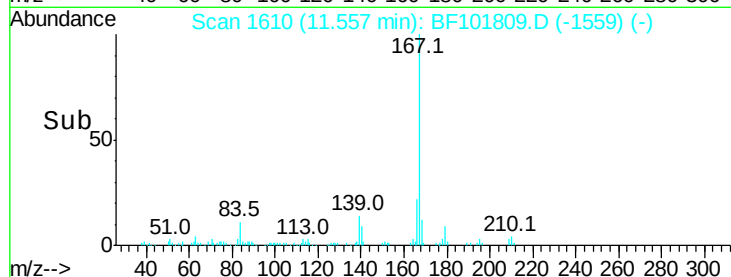
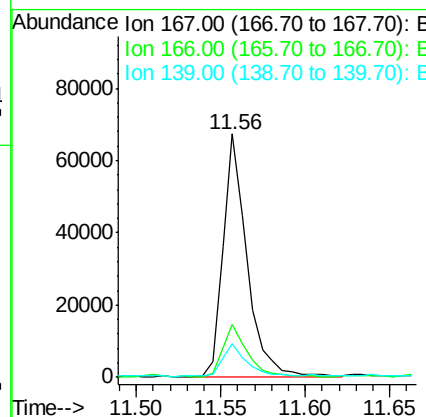
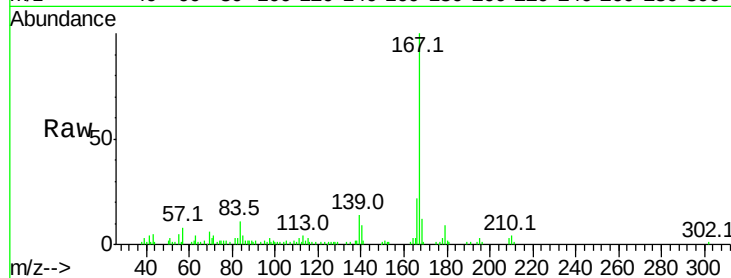
#72  
 Carbazole  
 Concen: 3.445 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. 0.00 min  
 Lab File: BF101809.D  
 Acq: 28 Dec 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-5-10

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 167     | 100   |      |       |       |
| 166     | 21.9  |      | 17.6  | 26.4  |
| 139     | 13.9  |      | 10.9  | 16.3  |

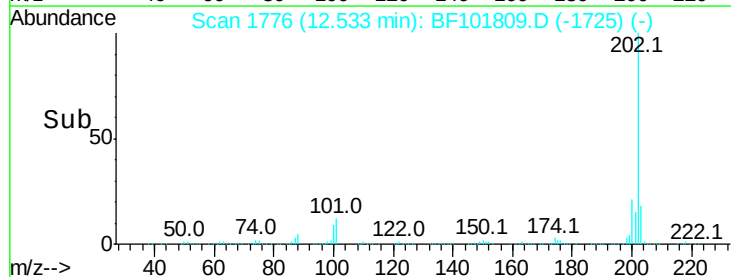
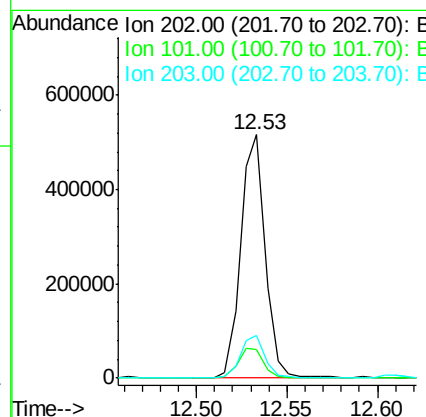
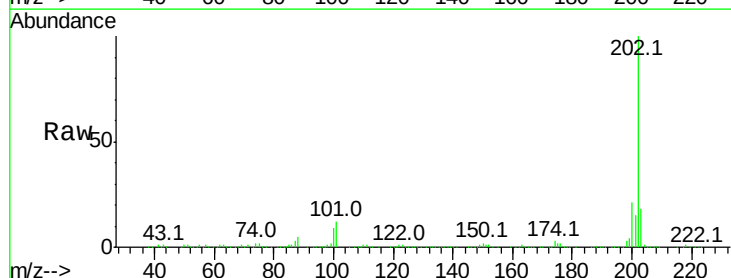
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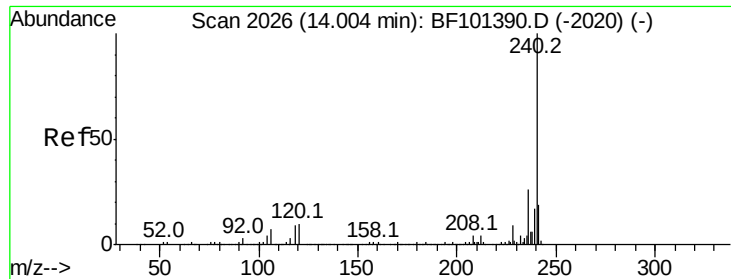
Sohil  
 12/29/2017 11:55:21 AM



#74  
 Fluoranthene  
 Concen: 22.445 ng  
 RT: 12.53 min Scan# 1776  
 Delta R.T. 0.00 min  
 Lab File: BF101809.D  
 Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 11.8  |      | 0.0   | 34.1  |
| 203     | 17.7  |      | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

Instrument :

BNA\_F

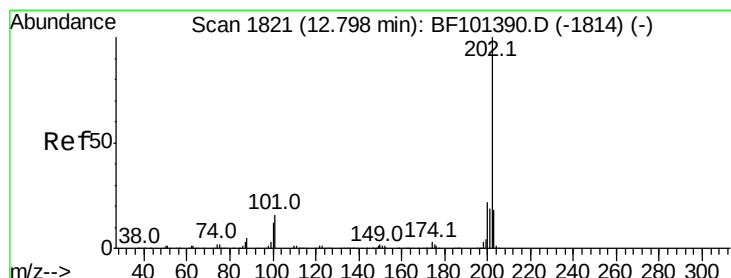
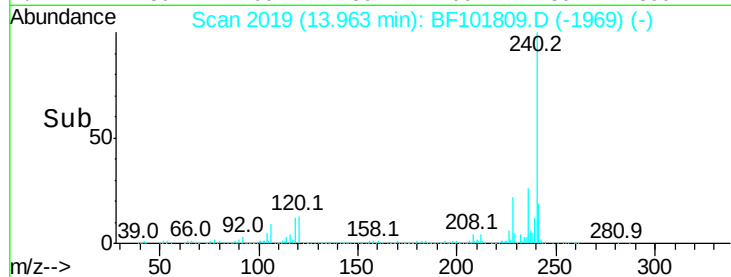
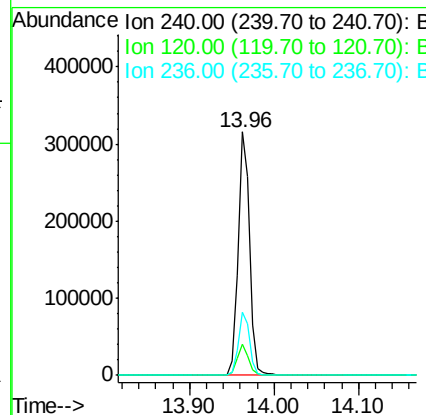
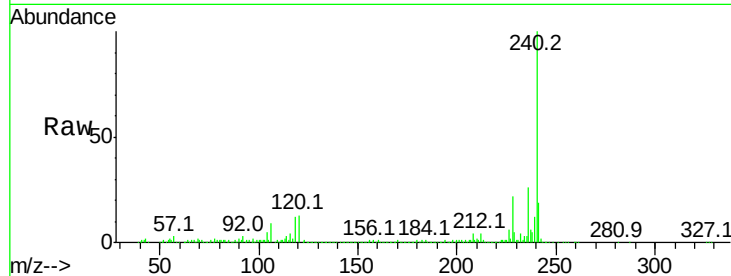
ClientSampleId :

S4-5-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 286867 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.9  | 9.5   | 14.3   |
| 236       | 25.7  | 20.7  | 31.1   |

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#77

Pyrene

Concen: 18.921 ng

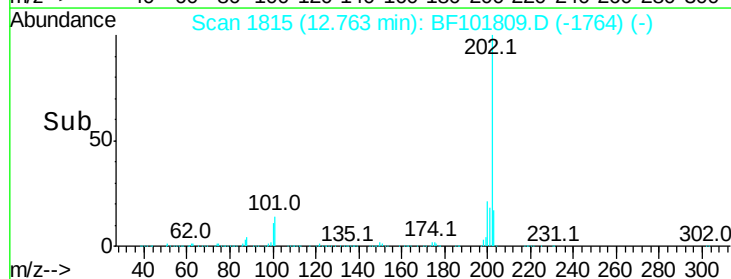
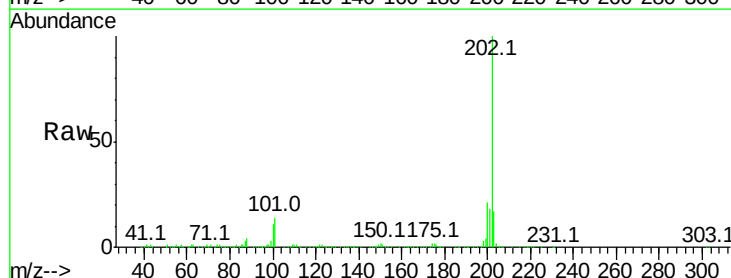
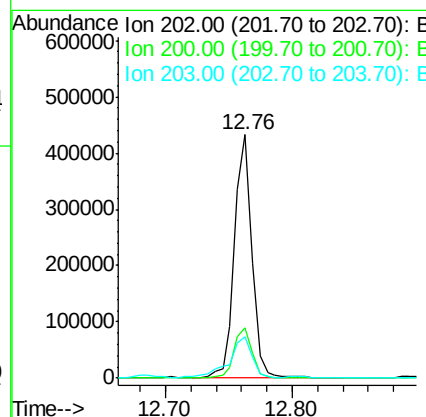
RT: 12.76 min Scan# 1815

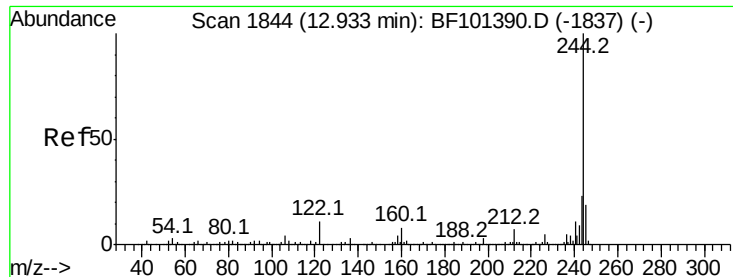
Delta R.T. 0.00 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 407351 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.6  | 17.4  | 26.2   |
| 203       | 16.9  | 14.3  | 21.5   |





#78

Terphenyl-d14

Concen: 68.851 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

Instrument :

BNA\_F

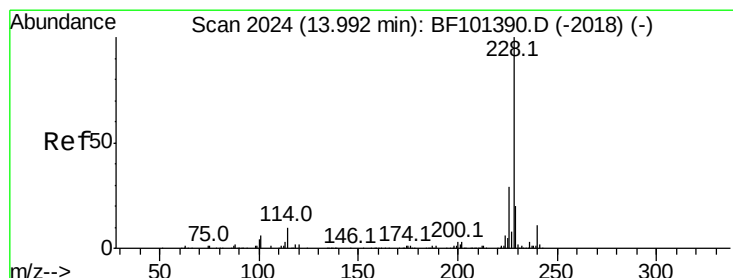
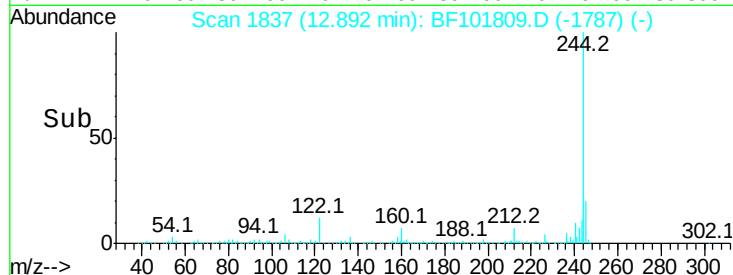
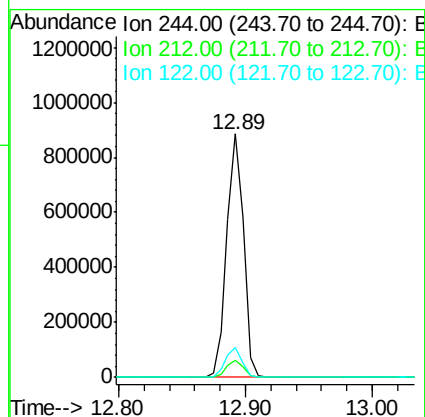
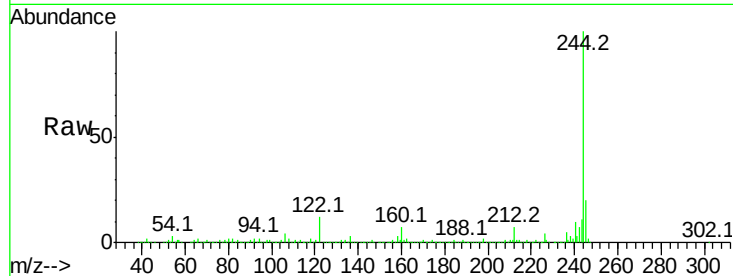
ClientSampled :

S4-5-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 819288 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.2   | 5.4   | 8.0    |
| 122       | 12.0  | 11.0  | 16.4   |

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#80

Benzo(a)anthracene

Concen: 10.085 ng

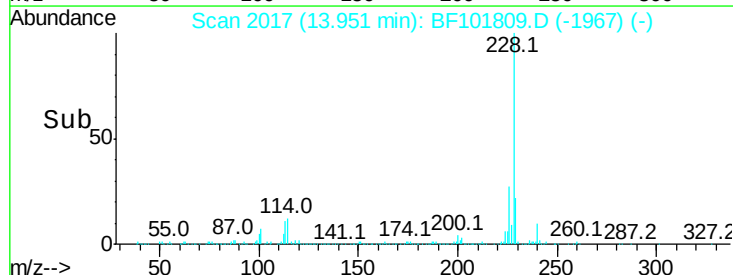
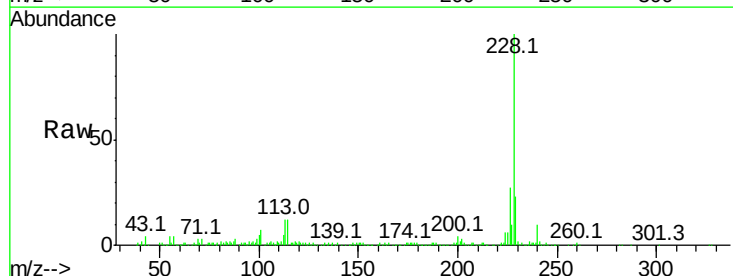
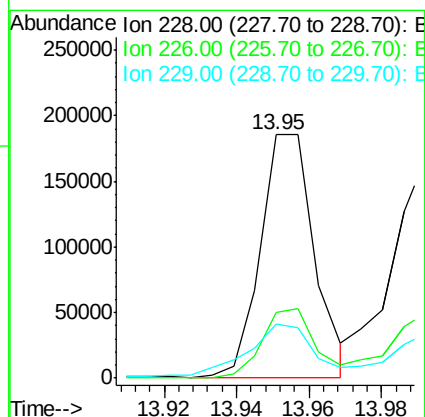
RT: 13.95 min Scan# 2017

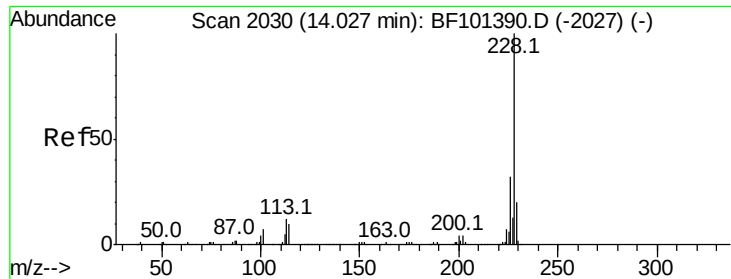
Delta R.T. -0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 191033 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.0  | 22.6  | 33.8   |
| 229       | 22.5  | 15.8  | 23.6   |





#82

Chrysene

Concen: 9.757 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

Instrument :

BNA\_F

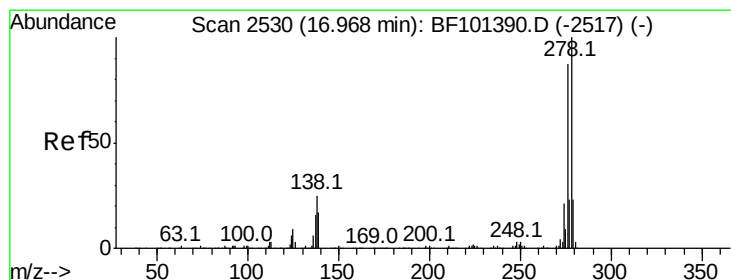
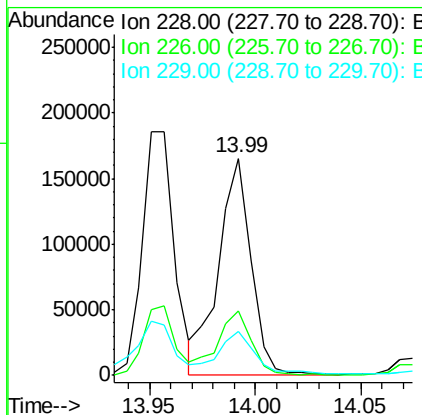
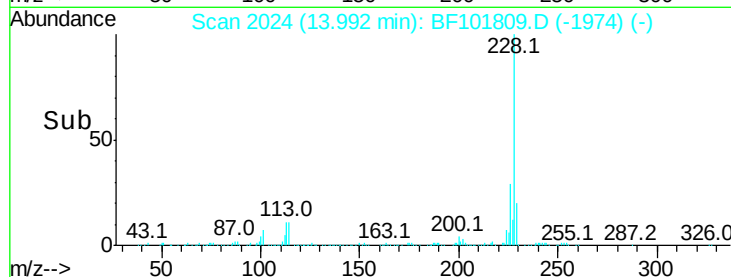
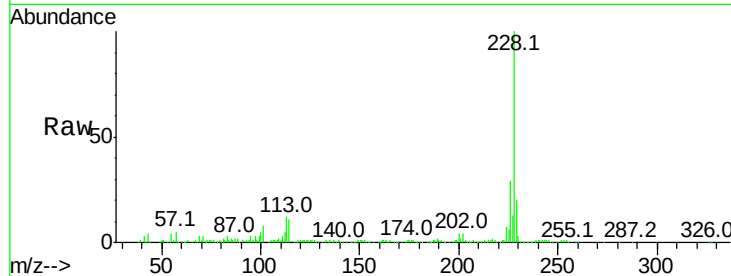
ClientSampled :

S4-5-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 174511 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.5  | 25.0  | 37.6   |
| 229       | 20.5  | 16.2  | 24.4   |

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.720 ng

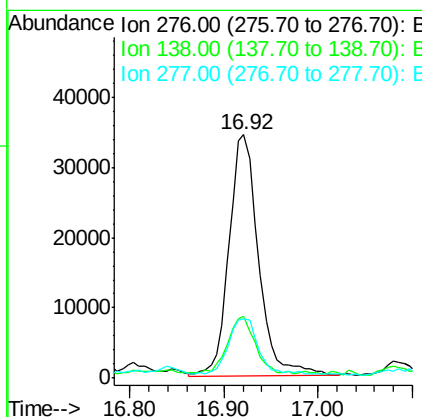
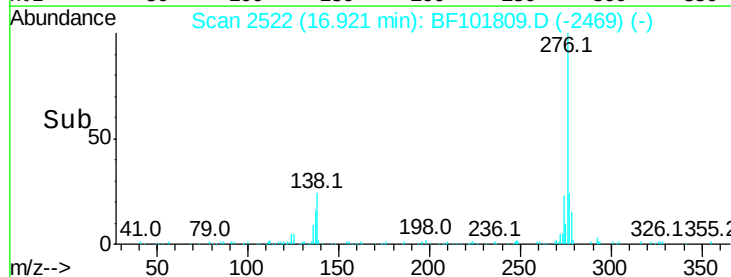
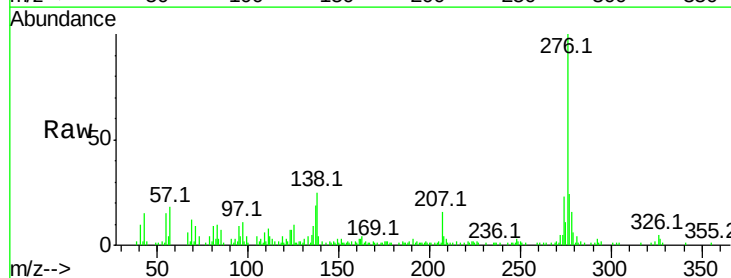
RT: 16.92 min Scan# 2522

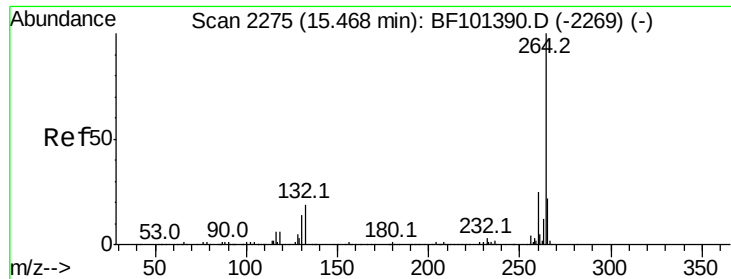
Delta R.T. 0.01 min

Lab File: BF101809.D

Acq: 28 Dec 2017 18:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 75171 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.8  | 25.0  | 37.6# |
| 277       | 23.0  | 20.1  | 30.1  |





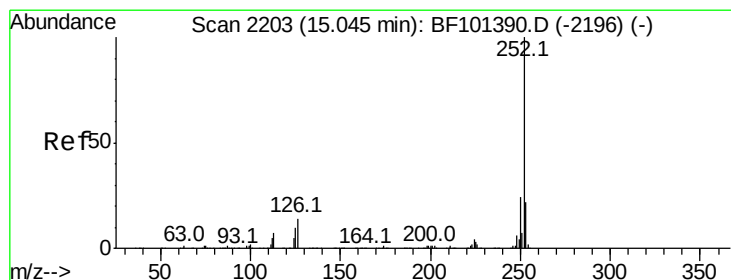
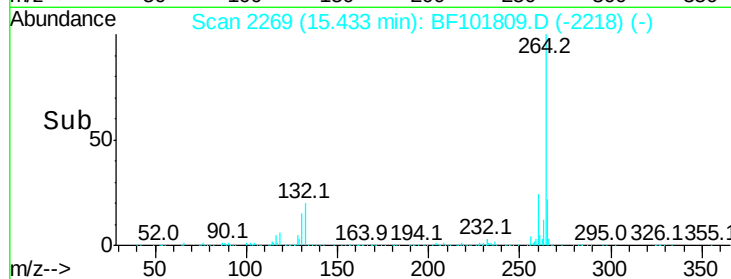
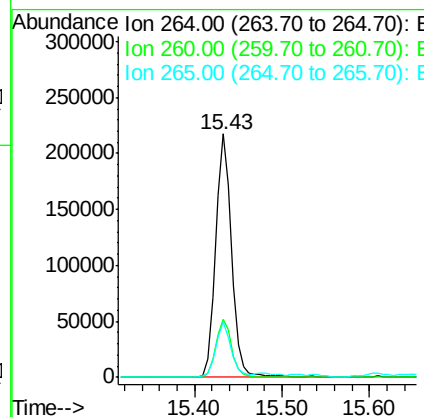
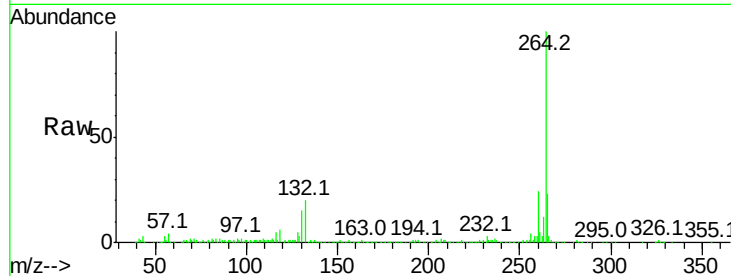
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampled :  
S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 22.6  | 17.5  | 26.3  |

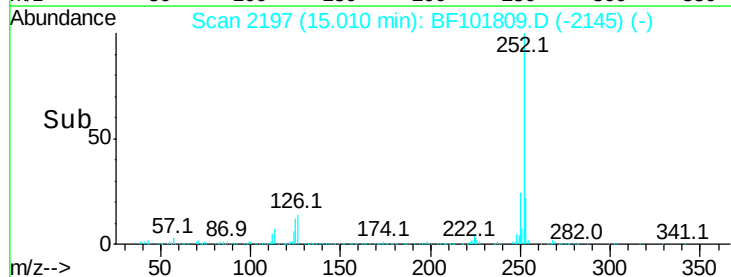
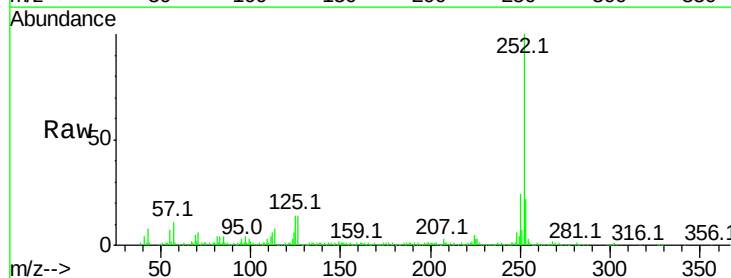
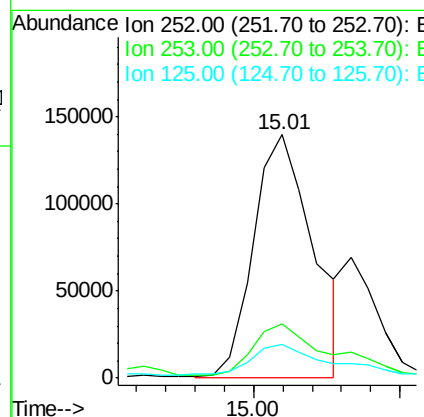
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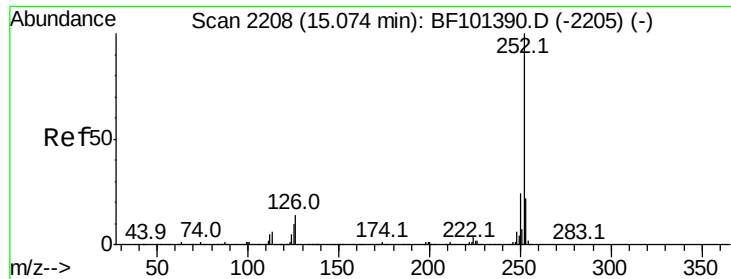
Sohil  
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#87  
Benzo(b)fluoranthene  
Concen: 11.612 ng m  
RT: 15.01 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.0  | 25.6  |
| 125     | 14.0  | 9.0   | 13.6  |





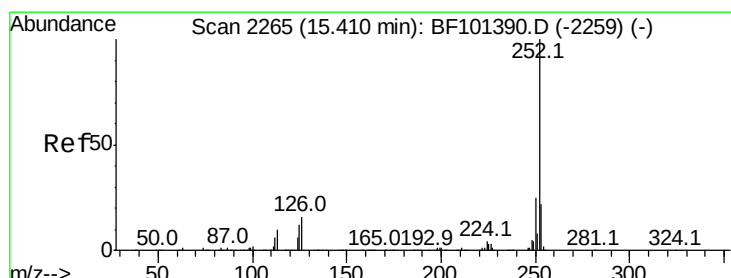
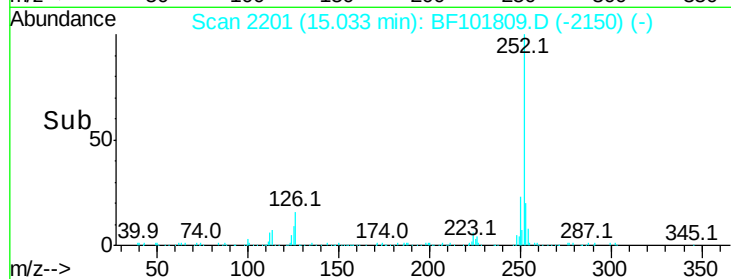
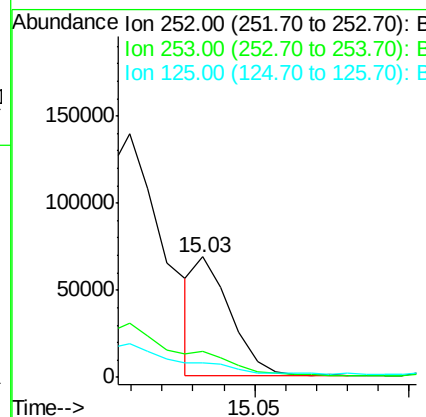
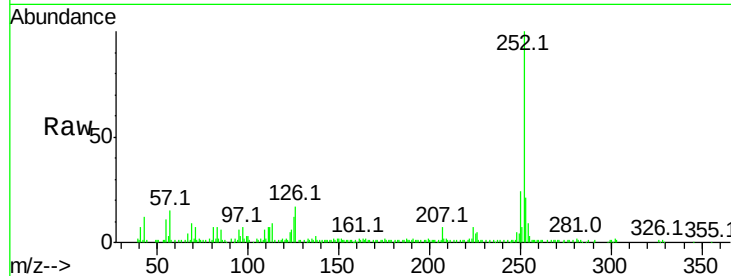
#88  
Benzo(k)fluoranthene  
Concen: 3.390 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

Instrument :  
BNA\_F  
ClientSampled :  
S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 17.9  | 26.9  |
| 125     | 12.0  | 10.2  | 15.2  |

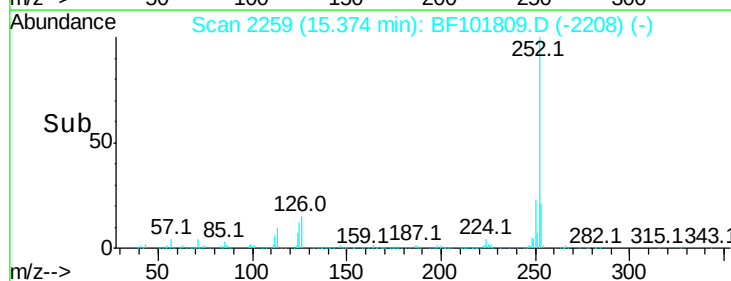
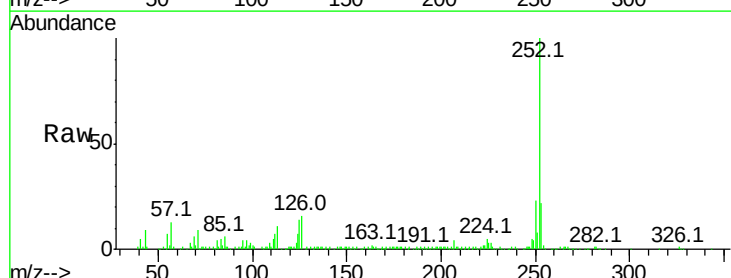
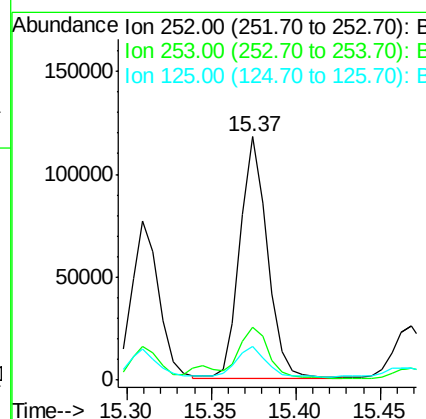
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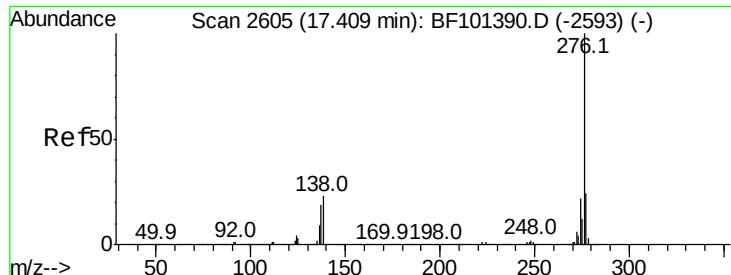


#89  
Benzo(a)pyrene  
Concen: 8.654 ng  
RT: 15.37 min Scan# 2259  
Delta R.T. 0.00 min  
Lab File: BF101809.D  
Acq: 28 Dec 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.1  | 25.7  |
| 125     | 13.9  | 9.8   | 14.6  |







#91  
 Benzo(a,h,i)perylene  
 Concen: 5.110 ng  
 RT: 17.37 min Scan# 2598  
 Delta R.T. 0.02 min  
 Lab File: BF101809.D  
 Acq: 28 Dec 2017 18:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-5-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.4  | 17.9  | 26.9# |
| 138     | 26.2  | 21.8  | 32.8  |

Manual Integrations  
 APPROVED

Sohil  
 12/29/2017 11:55:21 AM

