

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\  
 Data File : BF098444.D  
 Acq On : 12 Sep 2017 11:08  
 Operator : SJ/JU  
 Sample : I5136-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BRICK-WALL

Manual Integrations  
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 9/12/2017 6:02:34 PM

Quant Time: Sep 12 12:19:07 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:14:50 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 271344   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 1101916  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.70  | 164  | 449888   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.18 | 188  | 667987   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.82 | 240  | 463292   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.22 | 264  | 452869   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 1942055  | 105.82 | ng    | 0.01     |
| 7) Phenol-d6                | 6.33  | 99   | 2440332  | 104.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 1457962  | 73.76  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 333753   | 111.15 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 2172258  | 81.84  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.77 | 244  | 1309706  | 61.02  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.42  | 163  | 352813   | 10.131 | ng    | 99       |
| 51) Acenaphthene            | 9.73  | 154  | 55535    | 2.043  | ng    | 97       |
| 57) Fluorene                | 10.25 | 166  | 75858    | 2.559  | ng    | 95       |
| 70) Phenanthrene            | 11.20 | 178  | 452426   | 12.776 | ng    | 99       |
| 71) Anthracene              | 11.26 | 178  | 139913   | 3.848  | ng    | 97       |
| 74) Fluoranthene            | 12.39 | 202  | 305432   | 8.616  | ng    | 97       |
| 77) Pyrene                  | 12.62 | 202  | 247495   | 6.772  | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.80 | 228  | 116221   | 4.279  | ng    | 98       |
| 82) Chrysene                | 13.84 | 228  | 92360    | 3.364  | ng    | 96       |
| 87) Benzo(b)fluoranthene    | 14.82 | 252  | 111070m  | 3.901  | ng    |          |
| 89) Benzo(a)pyrene          | 15.16 | 252  | 84210    | 3.319  | ng    | 99       |

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

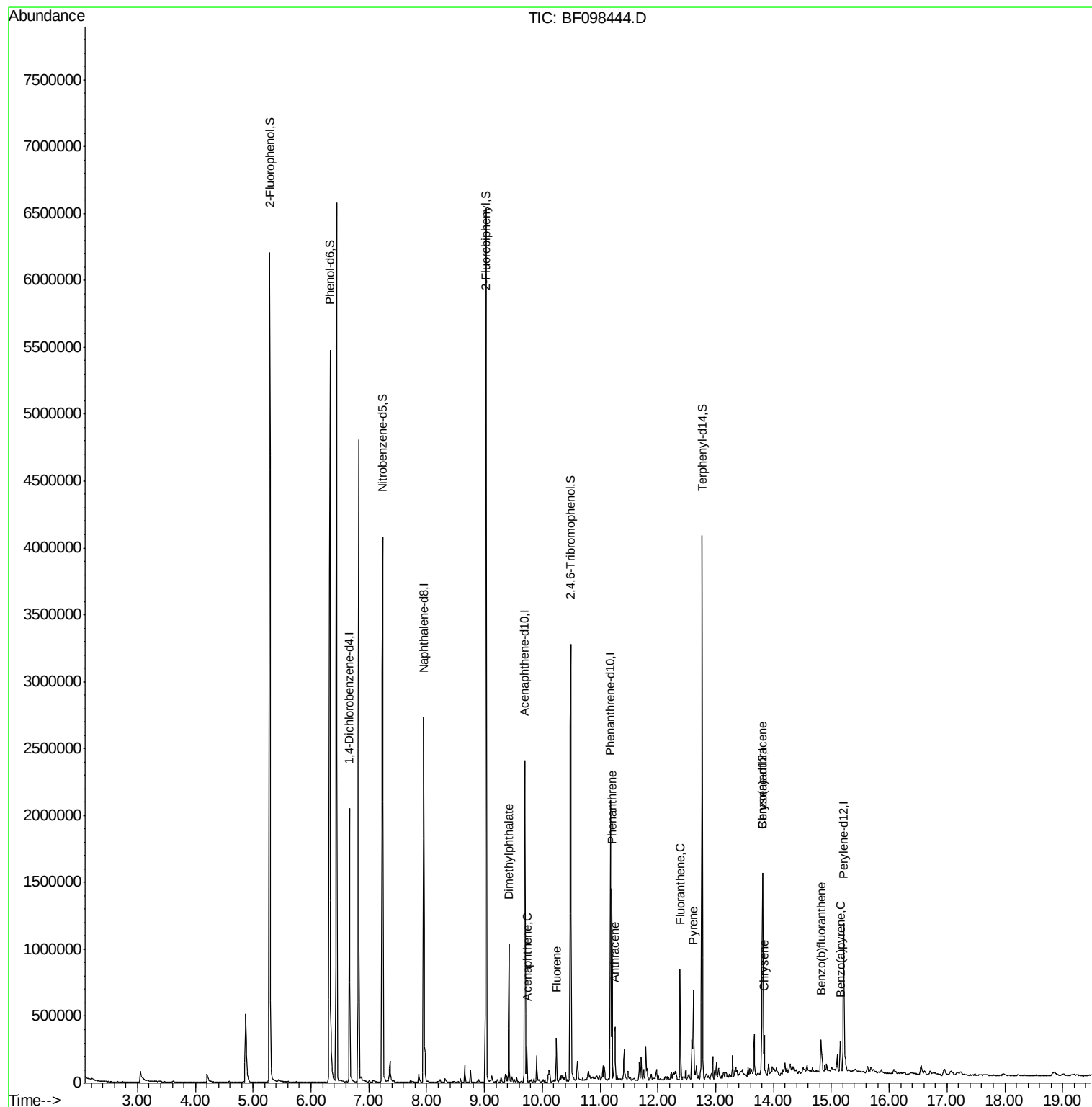
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\  
Data File : BF098444.D  
Acq On : 12 Sep 2017 11:08  
Operator : SJ/JU  
Sample : I5136-03  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

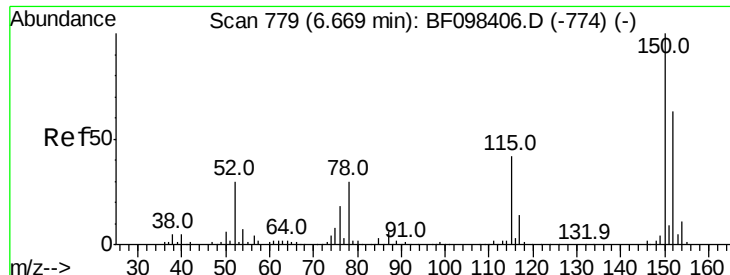
Instrument :  
BNA\_F  
ClientSampleId :  
BRICK-WALL

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Quant Time: Sep 12 12:19:07 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 02:14:50 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA\_F

ClientSampleId :

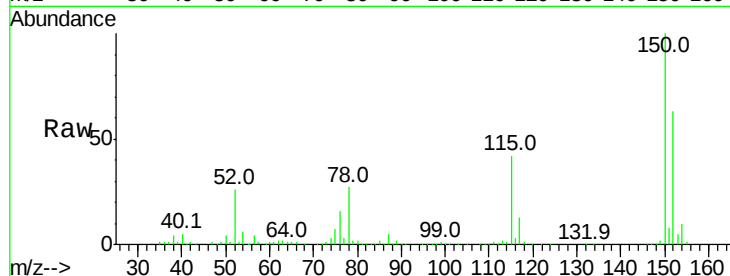
BRICK-WALL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 271344 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 158.0 | 126.2 | 189.2  |
| 115       | 65.8  | 52.2  | 78.2   |

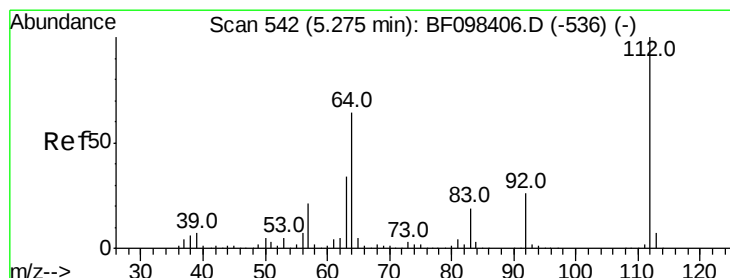
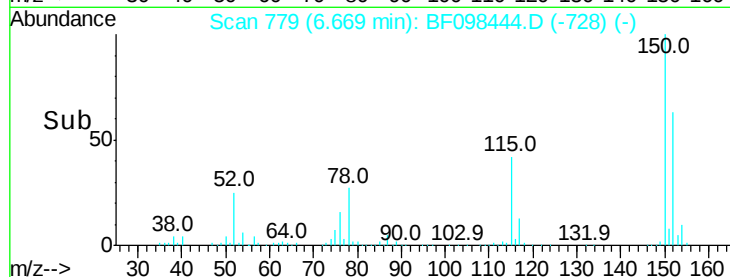
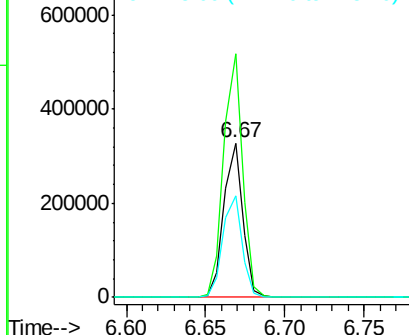
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 105.820 ng

RT: 5.29 min Scan# 544

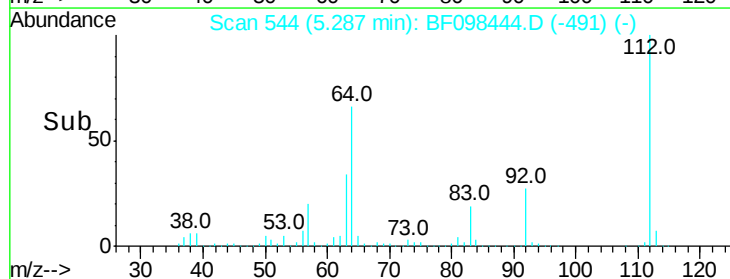
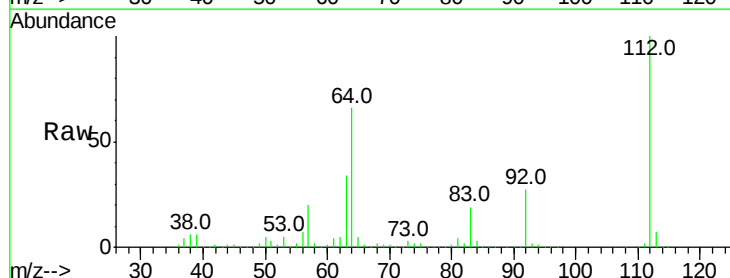
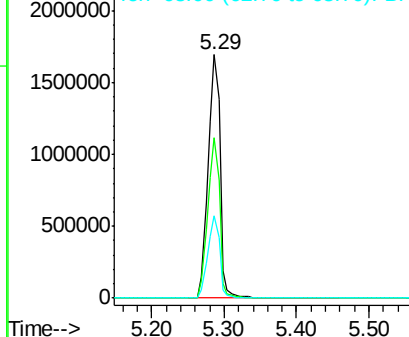
Delta R.T. 0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 112   | Resp: | 1942055 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 65.8  | 46.0  | 69.0    |
| 63        | 33.9  | 23.4  | 35.0    |

Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.729 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA\_F

ClientSampled :

BRICK-WALL

Tot Ion: 99 Resp: 2440332

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

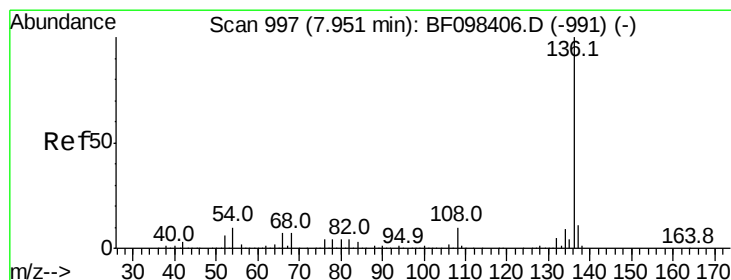
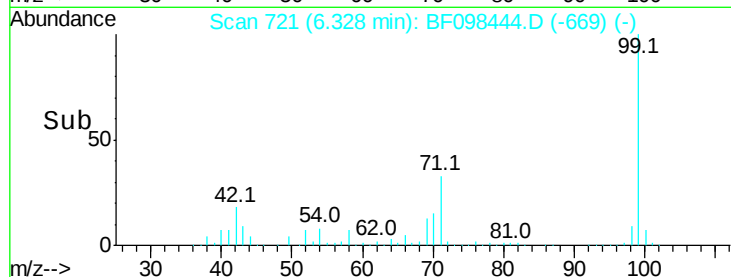
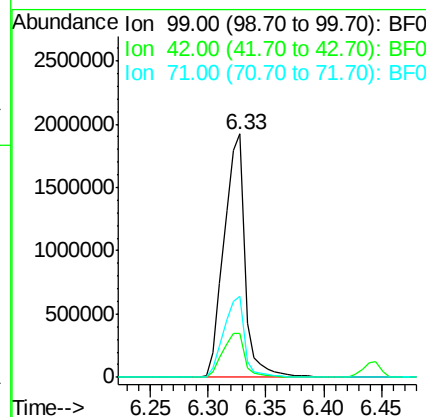
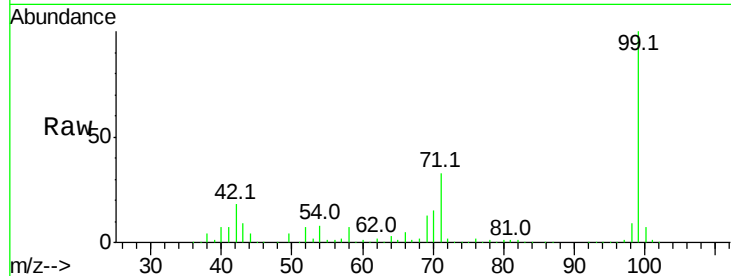
71 33.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Tgt Ion: 136 Resp: 1101916

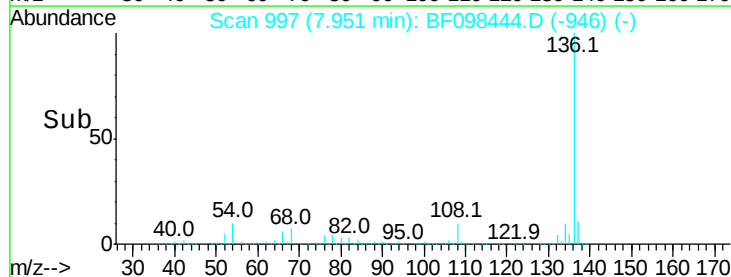
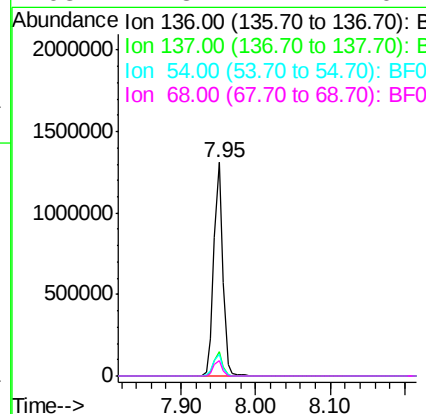
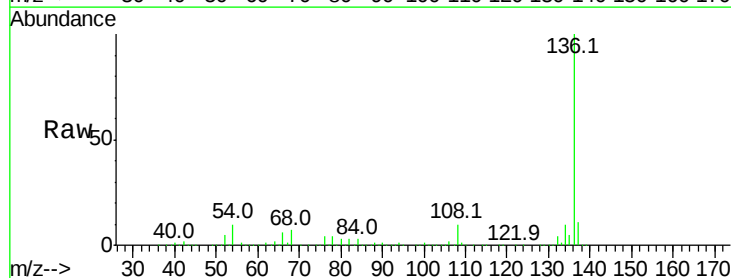
Ion Ratio Lower Upper

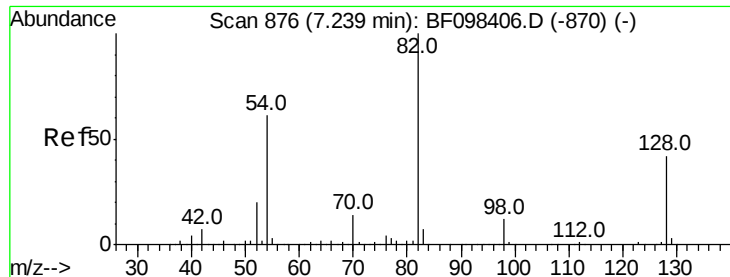
136 100

137 11.3 8.5 12.7

54 10.0 4.9 7.3#

68 7.3 4.1 6.1#





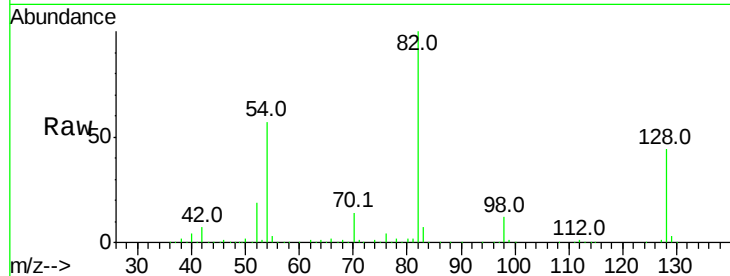
#23  
Nitrobenzene-d5  
Concen: 73.763 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
BRICK-WALL

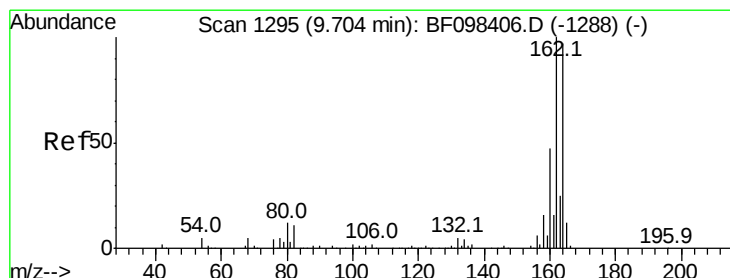
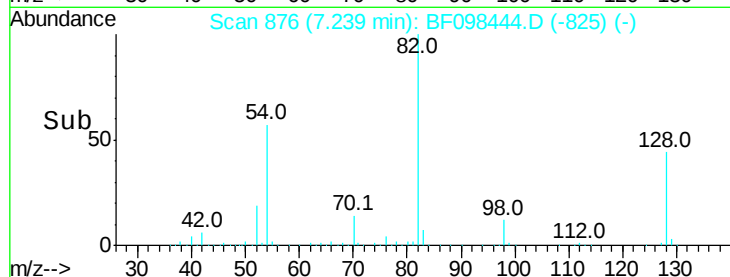
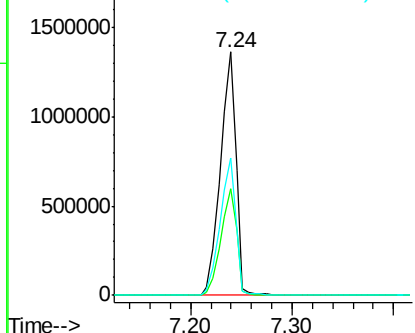
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.9  | 34.0  | 51.0  |
| 54      | 56.7  | 42.2  | 63.2  |

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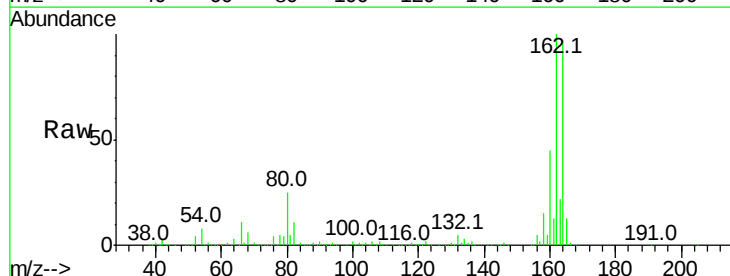


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

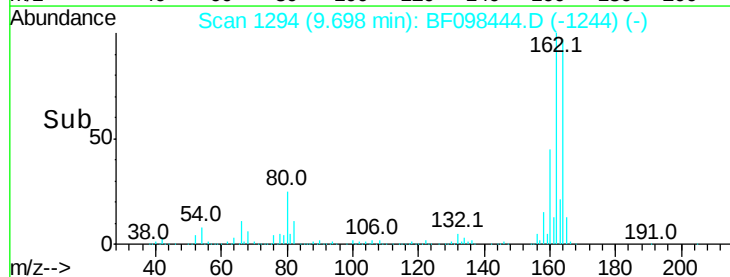
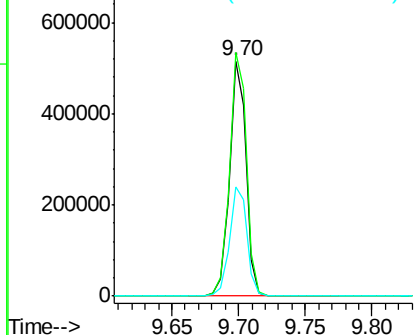


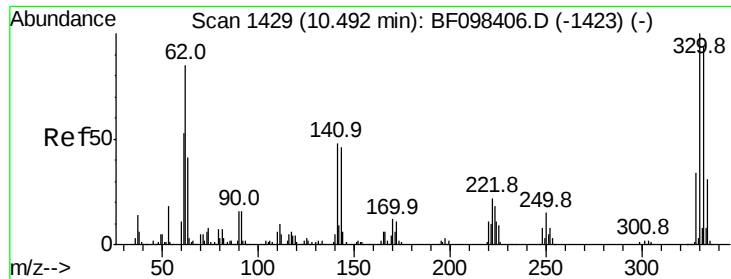
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 82.6  | 123.8 |
| 160     | 46.4  | 36.2  | 54.2  |



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





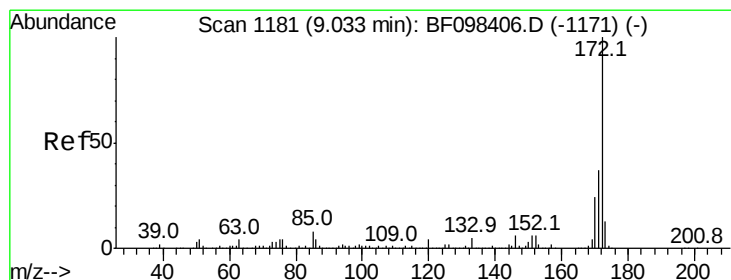
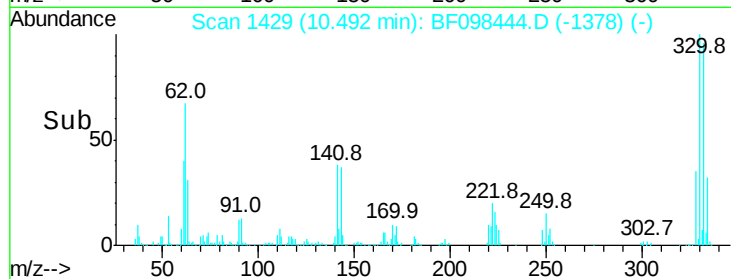
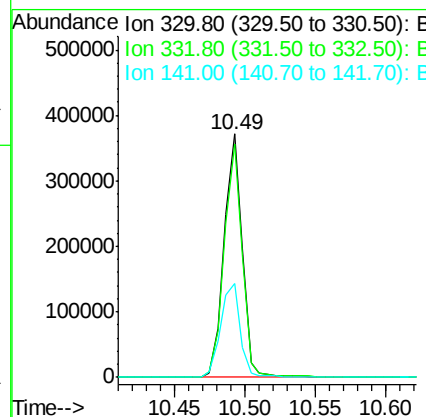
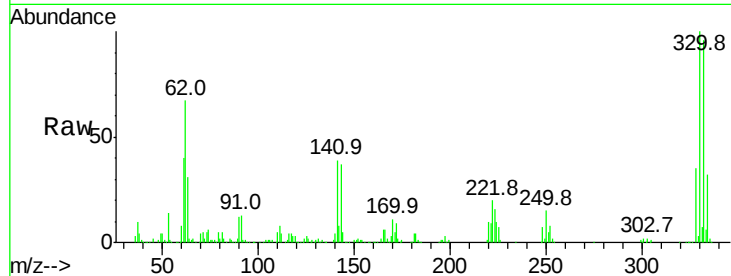
#41  
 2,4,6-Tribromophenol  
 Concen: 111.153 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. 0.00 min  
 Lab File: BF098444.D  
 Acq: 12 Sep 2017 11:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BRICK-WALL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.5  | 76.6 | 115.0 |       |
| 141     | 42.8  | 31.4 | 47.2  |       |

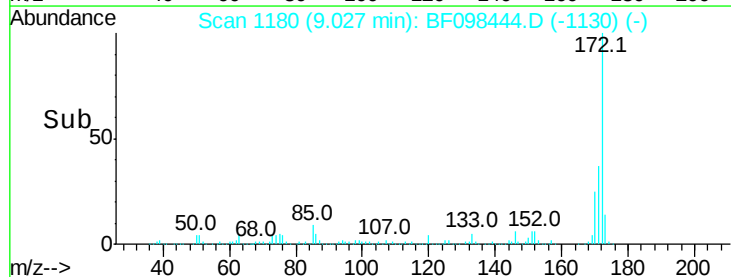
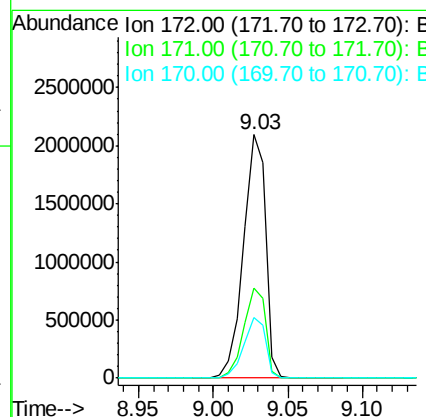
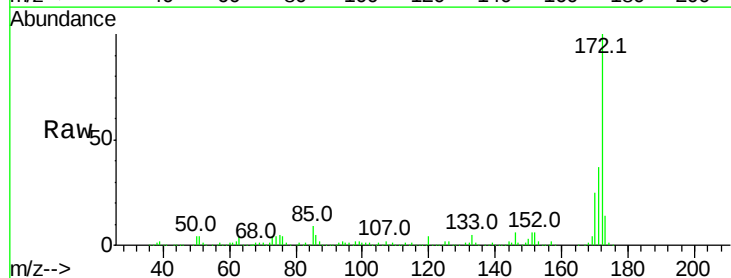
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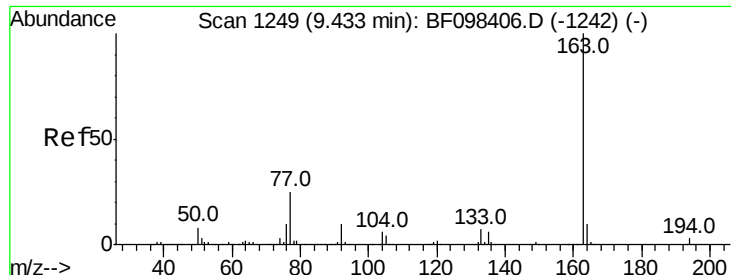
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#44  
 2-Fluorobiphenyl  
 Concen: 81.838 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF098444.D  
 Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 37.0  | 29.6 | 44.4  |       |
| 170     | 24.8  | 19.8 | 29.8  |       |





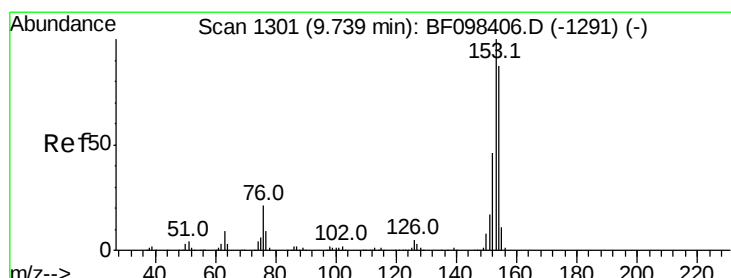
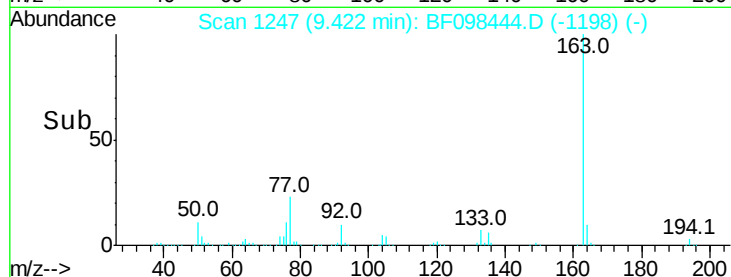
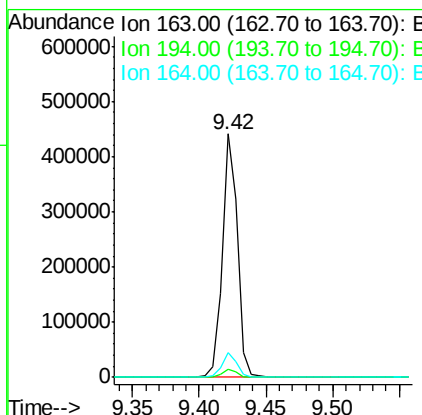
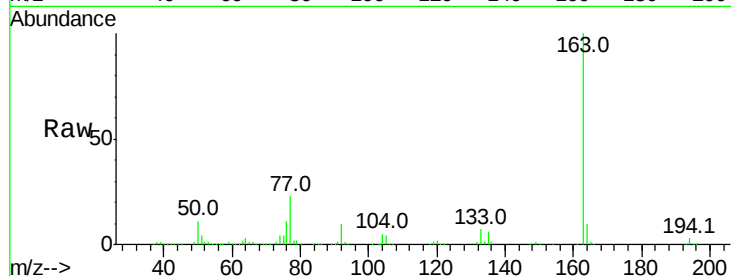
#49  
Dimethylphthalate  
Concen: 10.131 ng  
RT: 9.42 min Scan# 1247  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

Instrument :  
BNA\_F  
ClientSampled :  
BRICK-WALL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 352813 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.1   | 2.6   | 4.0    |
| 164       | 10.0  | 8.4   | 12.6   |

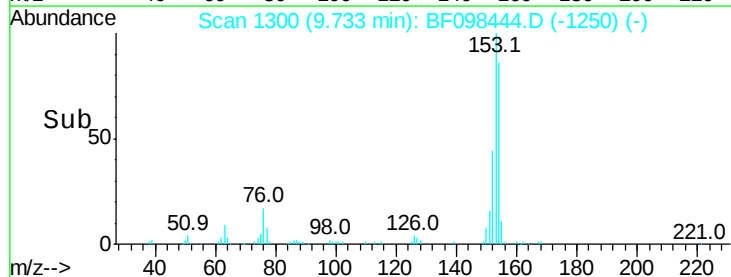
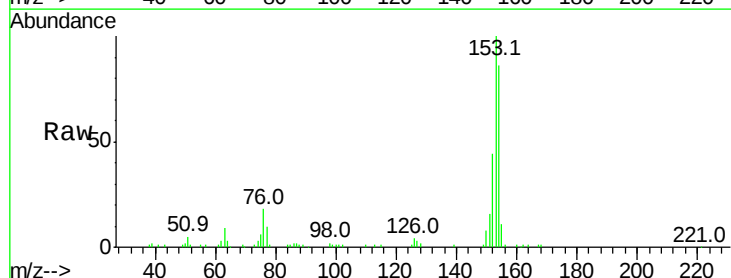
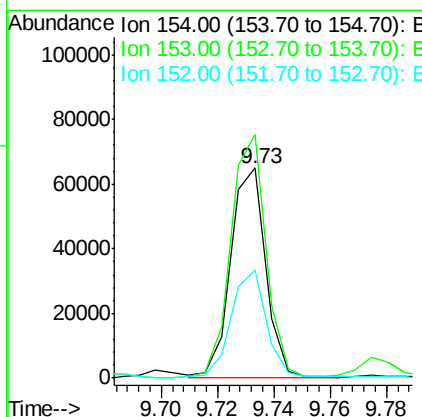
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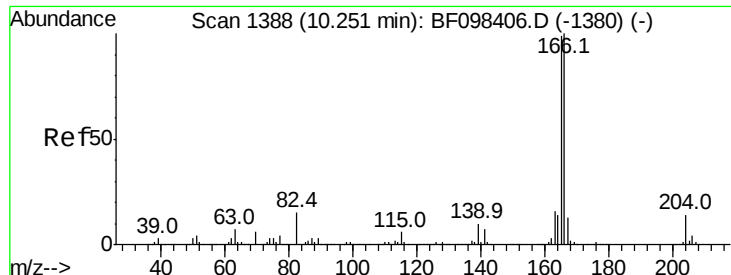
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#51  
Acenaphthene  
Concen: 2.043 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 55535 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 116.1 | 90.5  | 135.7 |
| 152       | 51.3  | 43.6  | 65.4  |





#57

Fluorene

Concen: 2.559 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA\_F

ClientSampleId :

BRICK-WALL

Tot Ion:166 Resp: 75858

Ion Ratio Lower Upper

166 100

165 103.7 78.8 118.2

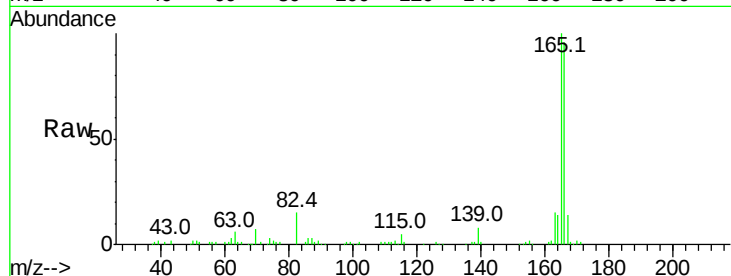
167 15.0 10.6 16.0

Manual Integrations

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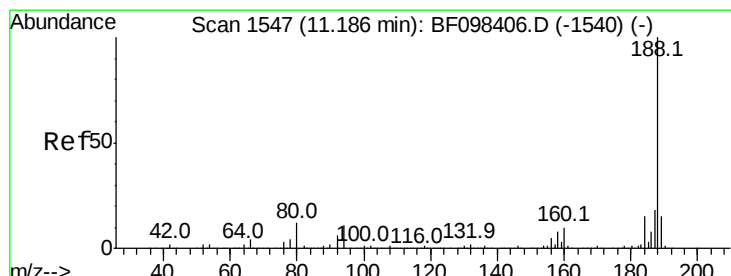
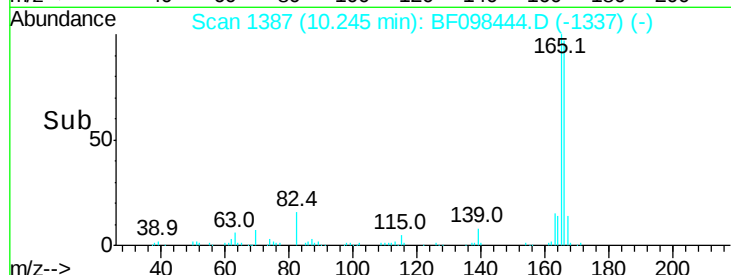
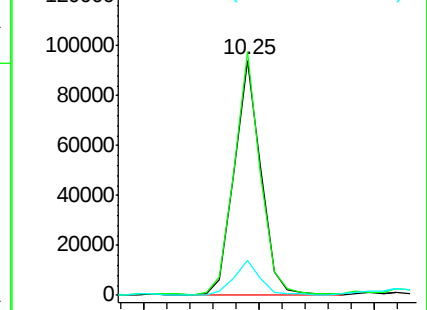
9/12/2017 6:02:34 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

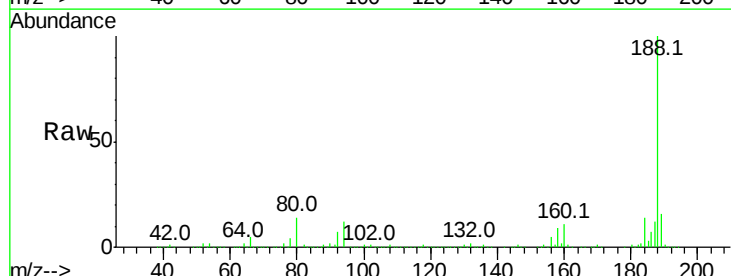
Tgt Ion:188 Resp: 667987

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

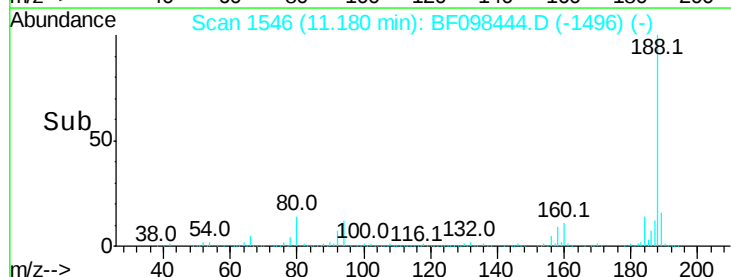
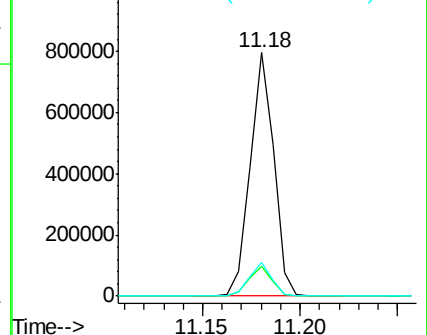
80 13.6 10.2 15.2

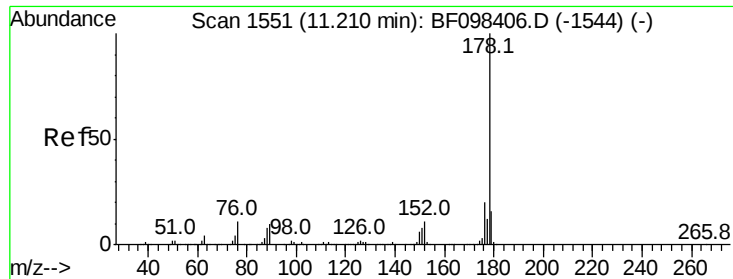


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 12.776 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA\_F

ClientSampleId :

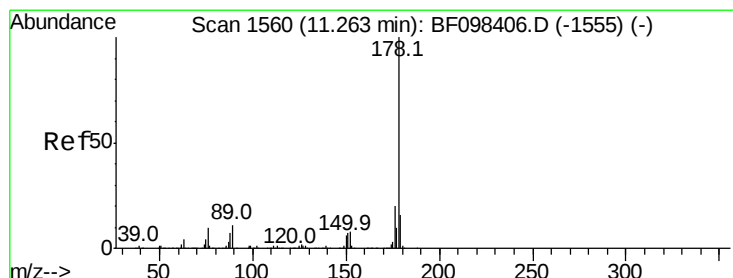
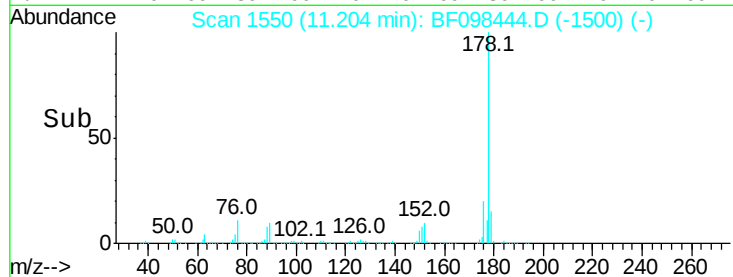
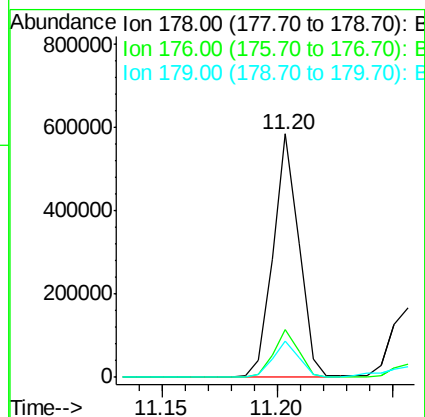
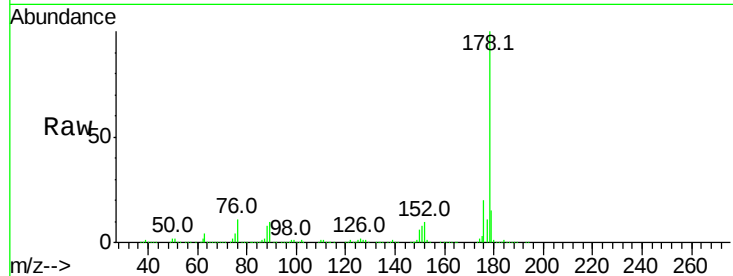
BRICK-WALL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 452426 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 16.2  | 24.4   |
| 179       | 15.1  | 12.6  | 19.0   |

Manual Integrations  
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#71

Anthracene

Concen: 3.848 ng

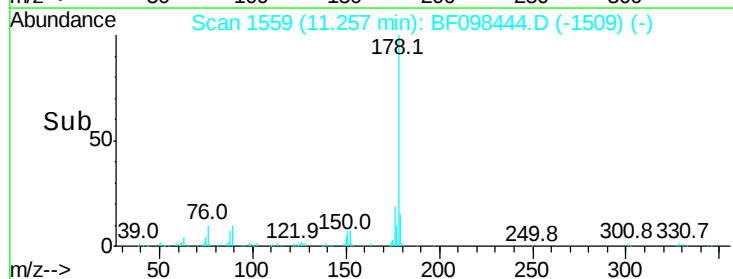
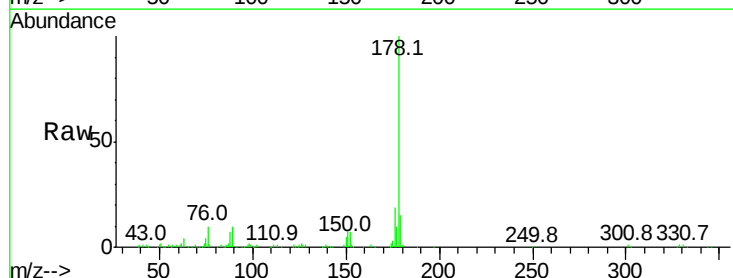
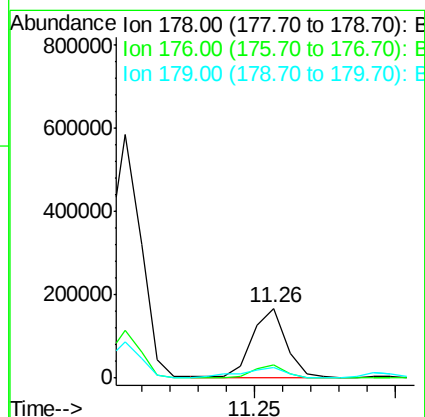
RT: 11.26 min Scan# 1559

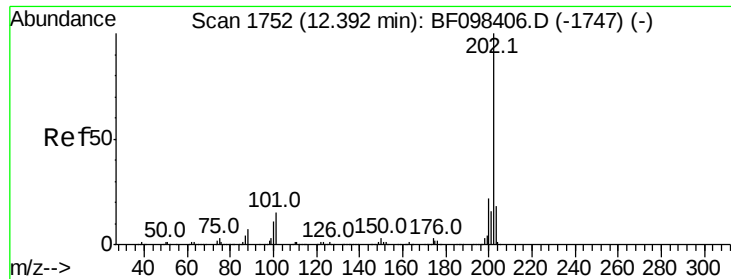
Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 139913 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.6  | 15.8  | 23.8   |
| 179       | 14.9  | 12.7  | 19.1   |





#74

Fluoranthene

Concen: 8.616 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA\_F

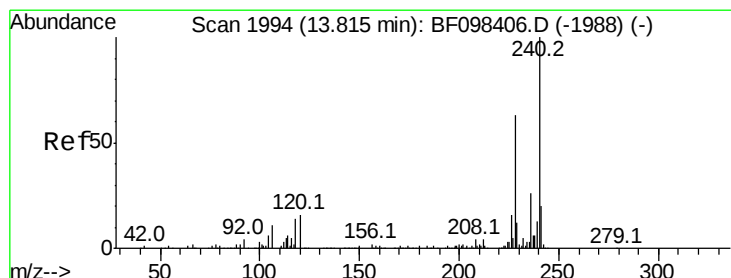
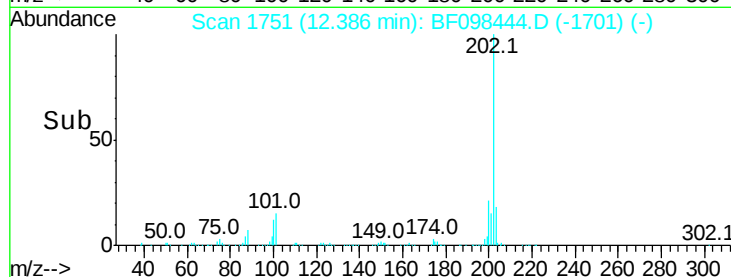
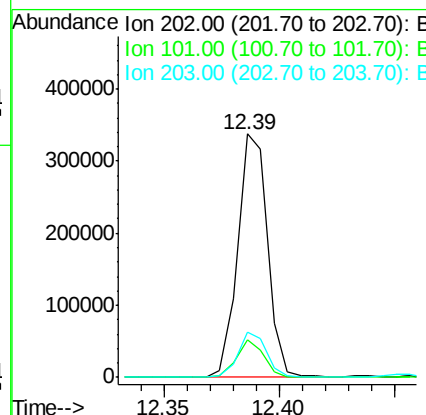
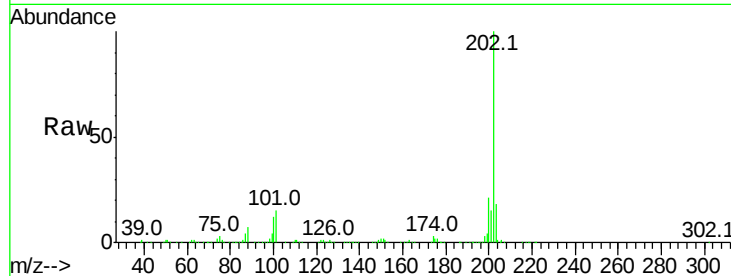
ClientSampleId :

BRICK-WALL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 15.2  | 0.0        | 33.2  |
| 203     | 18.4  | 0.0        | 38.1  |

Manual Integrations  
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#75

Chrysene-d12

Concen: 20.000 ng

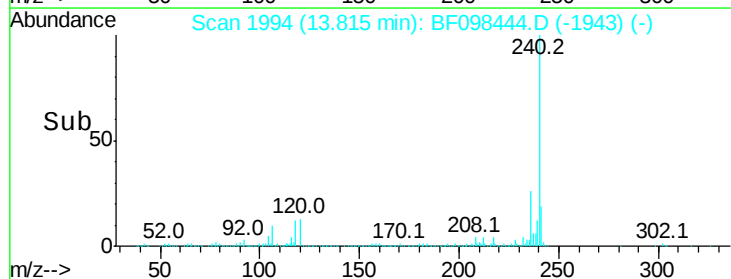
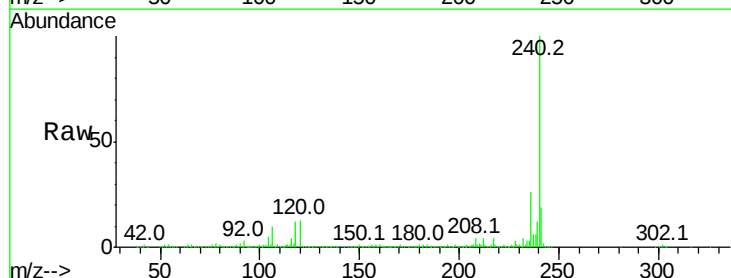
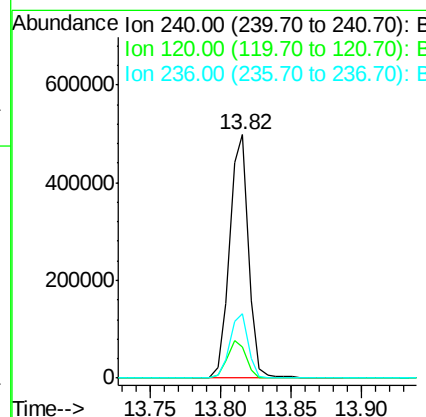
RT: 13.82 min Scan# 1994

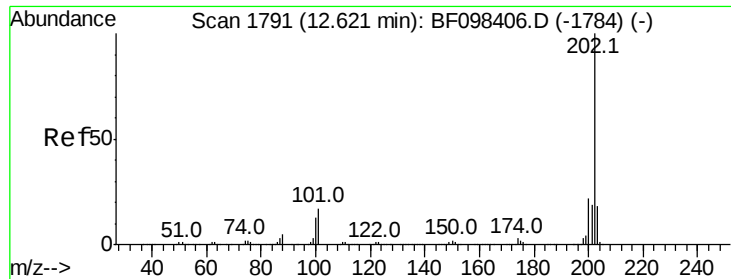
Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 13.0  | 5.8        | 8.8#  |
| 236     | 26.4  | 20.5       | 30.7  |





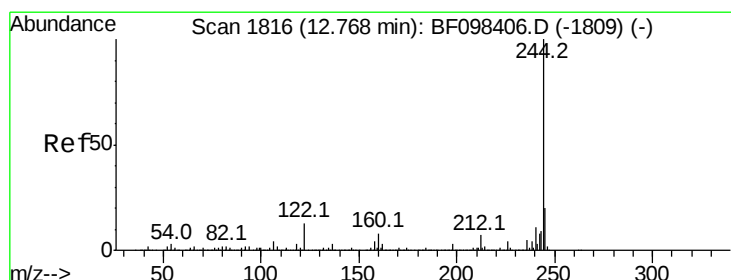
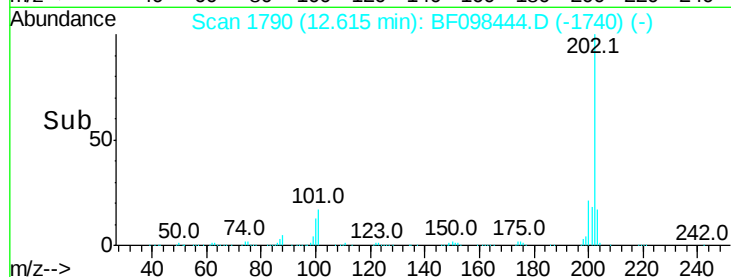
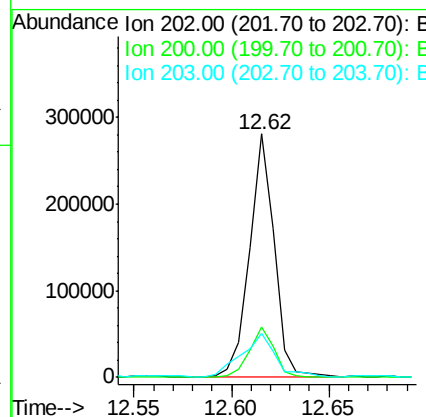
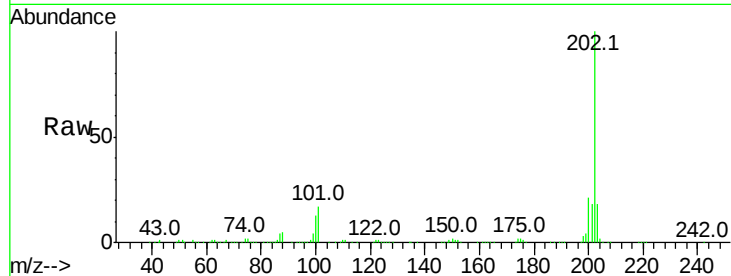
#77  
Pvrene  
Concen: 6.772 ng  
RT: 12.62 min Scan# 1790  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
BRICK-WALL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 20.8  | 17.6       | 26.4  |
| 203     | 17.9  | 14.4       | 21.6  |

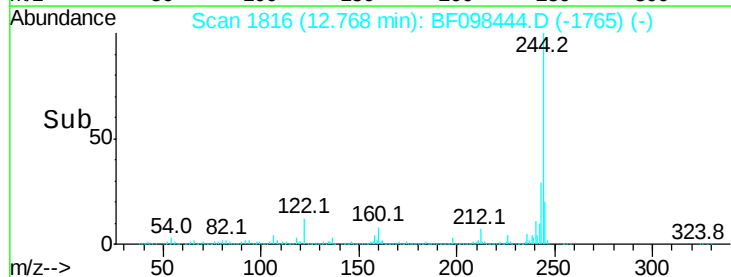
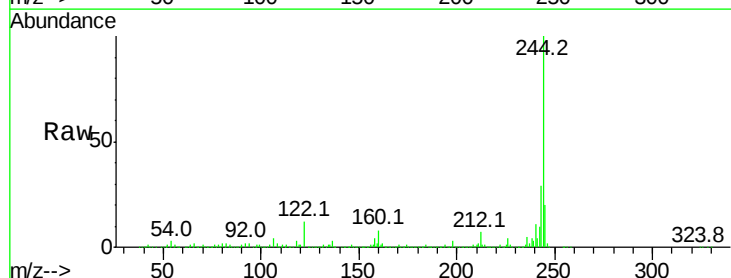
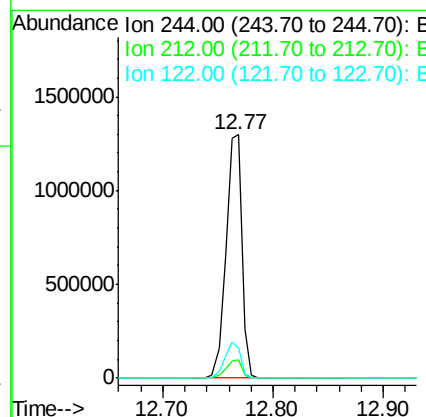
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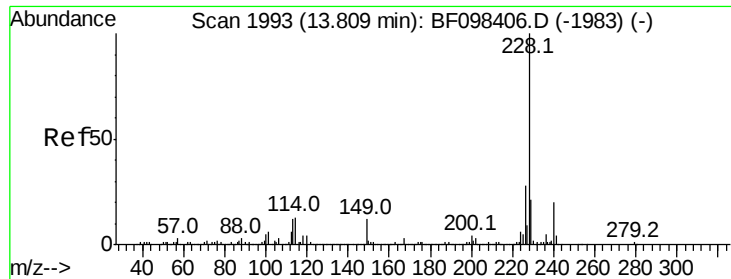
Sohil  
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#78  
Terphenyl-d14  
Concen: 61.019 ng  
RT: 12.77 min Scan# 1816  
Delta R.T. 0.00 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.3   | 6.0        | 9.0   |
| 122     | 12.4  | 10.3       | 15.5  |





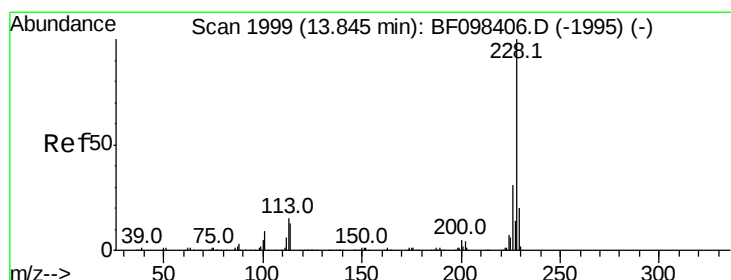
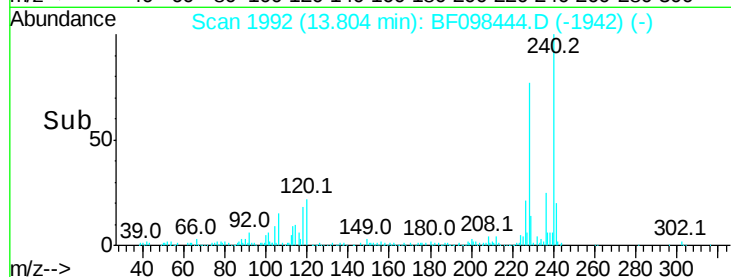
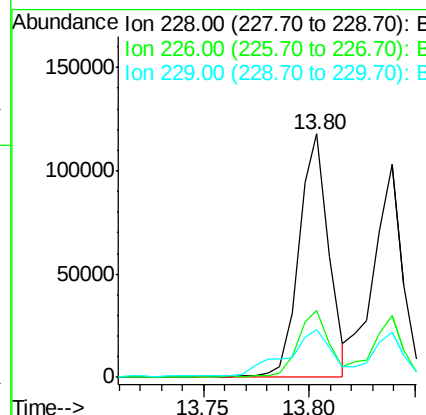
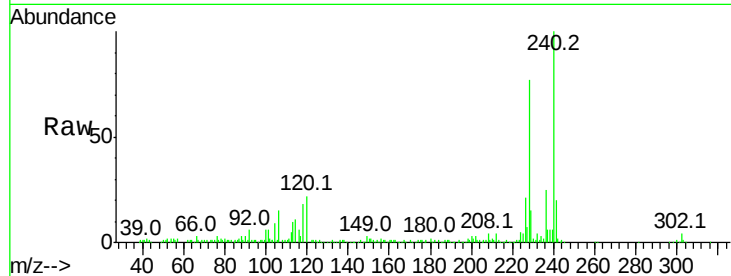
#80  
Benzo(a)anthracene  
Concen: 4.279 ng  
RT: 13.80 min Scan# 1992  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
BRICK-WALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.4  | 22.6  | 33.8  |
| 229     | 19.4  | 16.3  | 24.5  |

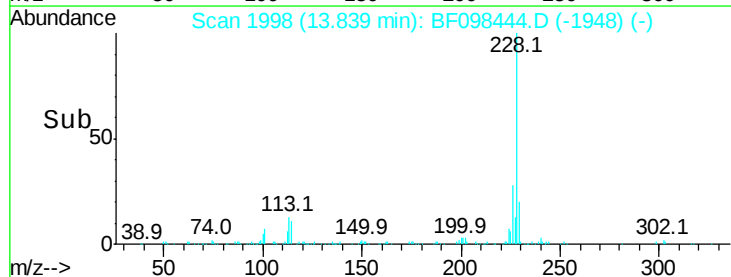
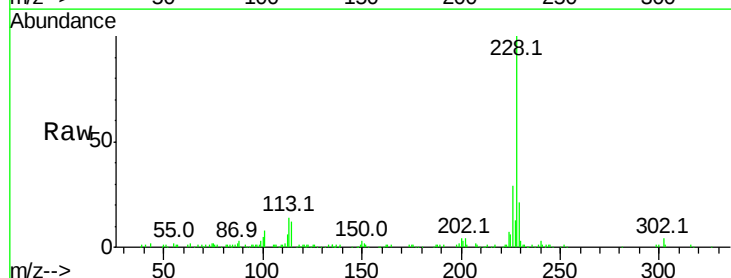
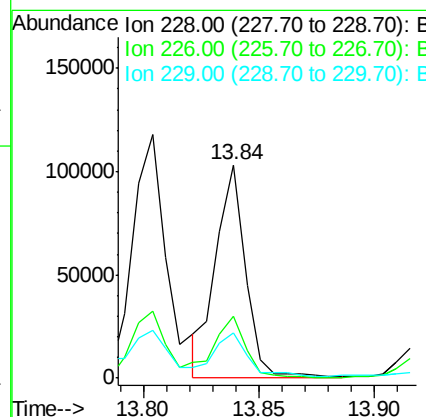
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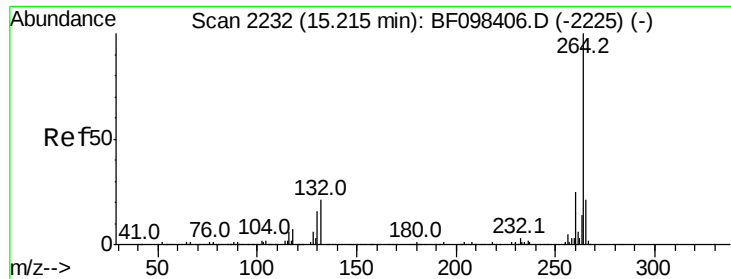
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#82  
Chrysene  
Concen: 3.364 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 24.9  | 37.3  |
| 229     | 21.2  | 15.8  | 23.6  |





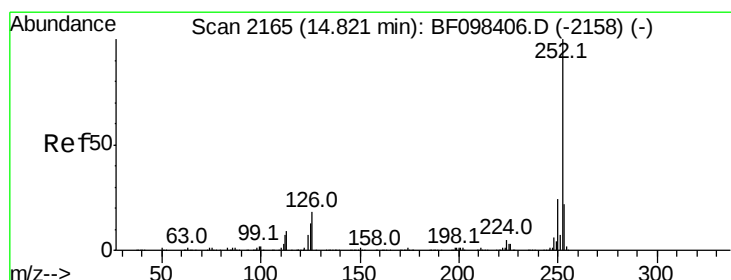
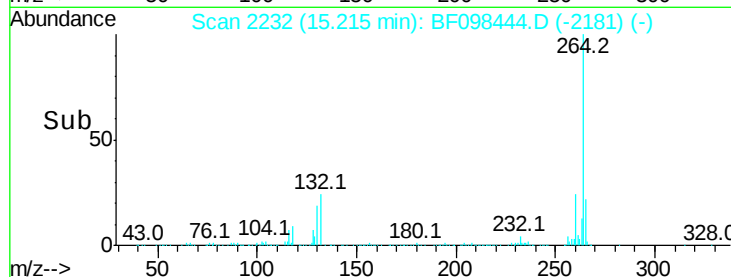
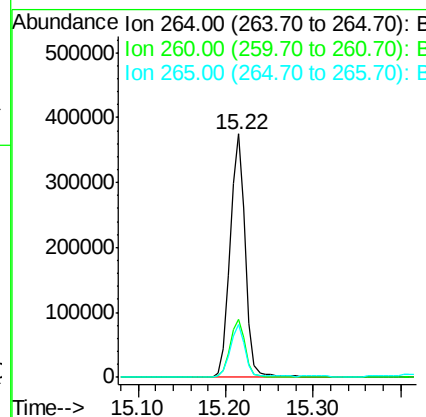
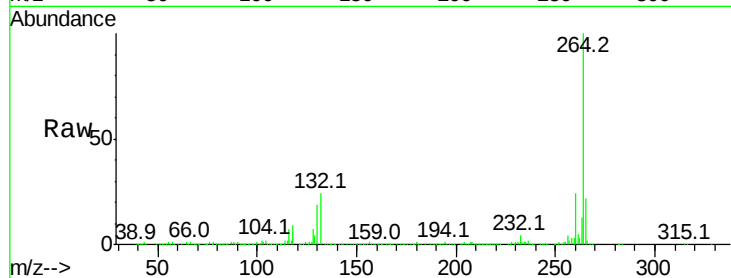
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.22 min Scan# 2232  
Delta R.T. 0.00 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
BRICK-WALL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.5  | 29.3  |
| 265     | 21.8  | 17.2  | 25.8  |

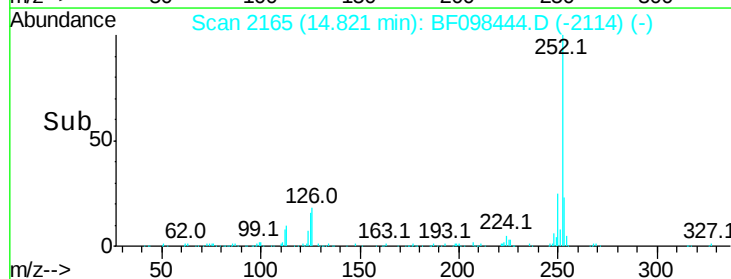
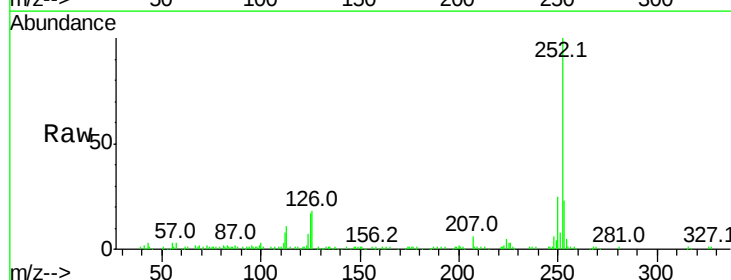
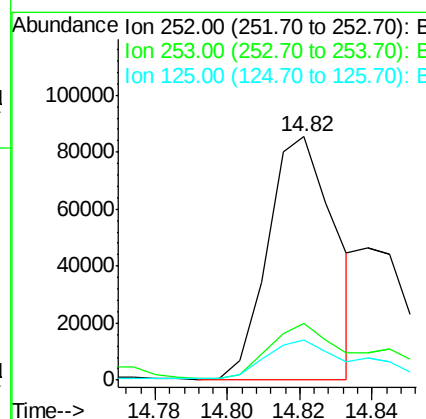
Manual Integrations  
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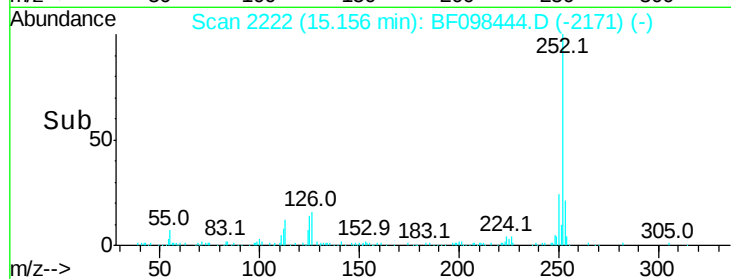
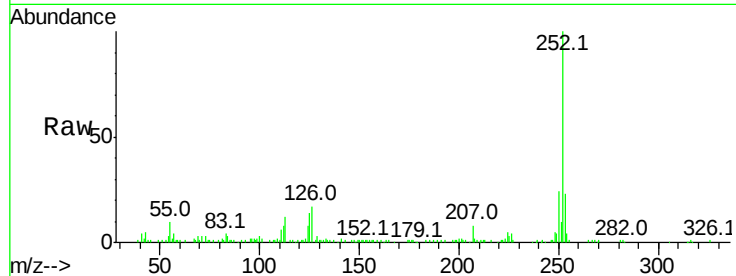
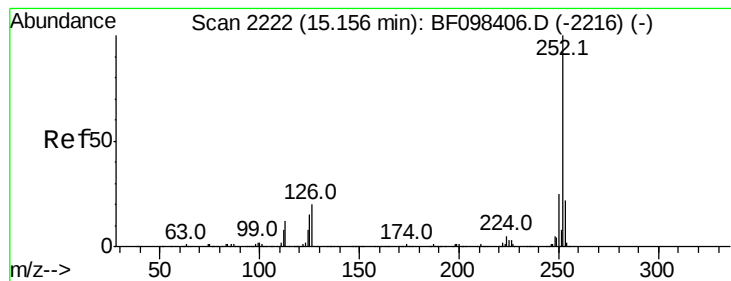
Sohil  
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#87  
Benzo(b)fluoranthene  
Concen: 3.901 ng m  
RT: 14.82 min Scan# 2165  
Delta R.T. 0.00 min  
Lab File: BF098444.D  
Acq: 12 Sep 2017 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.1  | 27.1  |
| 125     | 16.7  | 9.8   | 14.8# |





#89

Benzo(a)pyrene

Concen: 3.319 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 84210 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.8  | 17.5  | 26.3  |
| 125       | 14.0  | 11.0  | 16.4  |

Instrument :

BNA\_F

ClientSampled :

BRICK-WALL

Manual Integrations  
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