

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070317\  
 Data File : BF096444.D  
 Acq On : 3 Jul 2017 16:37  
 Operator : SJ/MA  
 Sample : I3882-14RE  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G54-1.5-3RE

Manual Integrations  
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 7/5/2017 11:41:27 AM

Quant Time: Jul 04 01:36:09 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 108162   | 20.00 | ng    | -0.01     |
| 21) Naphthalene-d8             | 8.00  | 136  | 414505   | 20.00 | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.76  | 164  | 153722   | 20.00 | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.23 | 188  | 228938   | 20.00 | ng    | -0.02     |
| 75) Chrysene-d12               | 13.87 | 240  | 214150   | 20.00 | ng    | -0.01     |
| 86) Perylene-d12               | 15.28 | 264  | 150929   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.33  | 112  | 165124   | 22.53 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.35  | 99   | 276642   | 30.71 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 159095   | 23.06 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 12532    | 10.44 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 319098   | 35.49 | ng    | -0.02     |
| 78) Terphenyl-d14              | 12.82 | 244  | 212218   | 21.18 | ng    | -0.01     |
| Target Compounds               |       |      |          |       |       |           |
| 49) Dimethylphthalate          | 9.47  | 163  | 56883    | 4.957 | ng    | Qvalue 97 |
| 70) Phenanthrene               | 11.26 | 178  | 31680    | 2.560 | ng    | 99        |
| 74) Fluoranthene               | 12.45 | 202  | 55333    | 4.560 | ng    | 97        |
| 77) Pyrene                     | 12.67 | 202  | 53525    | 3.114 | ng    | 99        |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 27778    | 2.240 | ng    | # 91      |
| 82) Chrysene                   | 13.89 | 228  | 29651    | 2.283 | ng    | # 95      |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 26686    | 2.747 | ng    | # 95      |
| 87) Benzo(b)fluoranthene       | 14.88 | 252  | 30970m   | 3.275 | ng    |           |

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

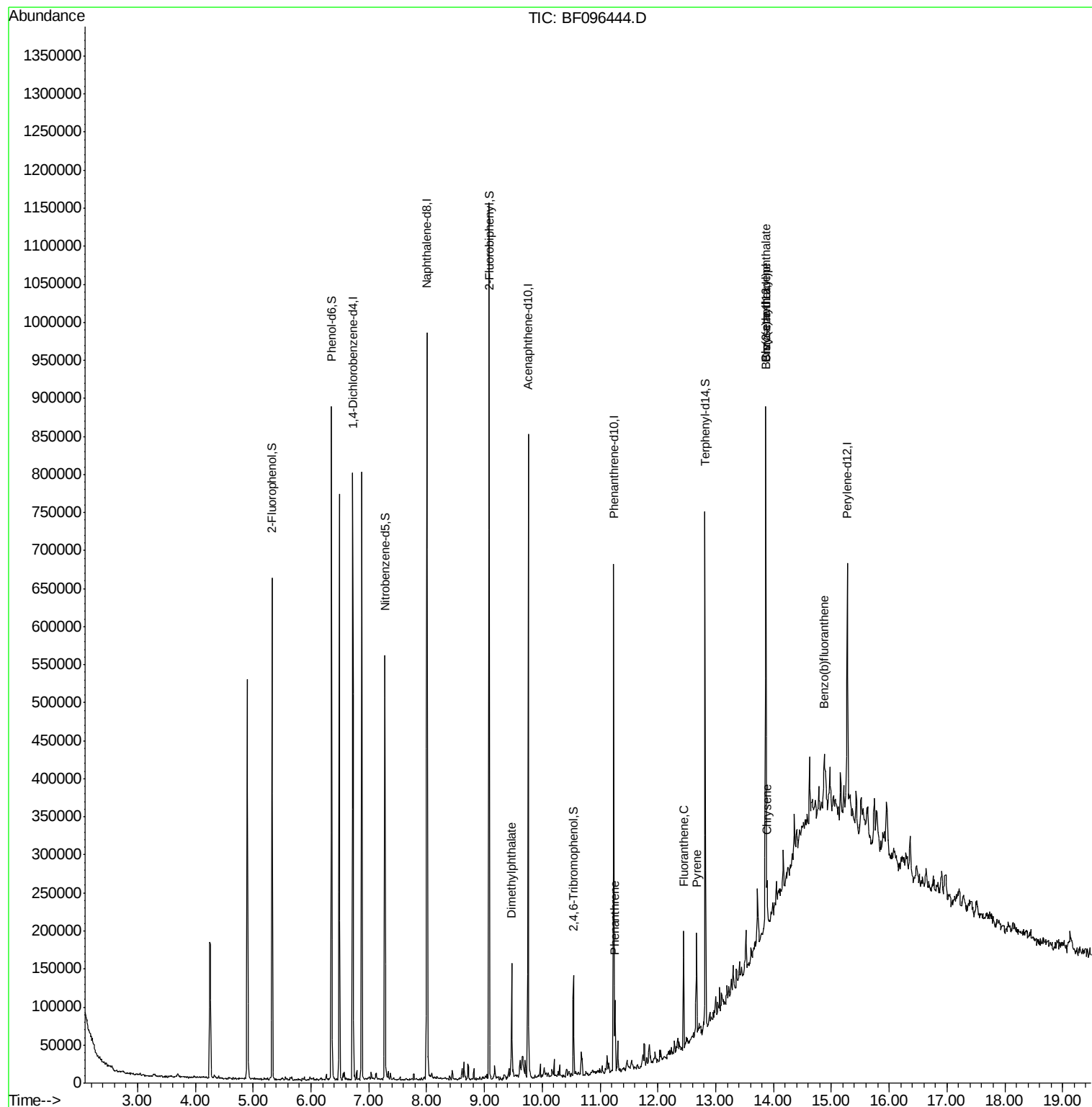
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070317\  
Data File : BF096444.D  
Acq On : 3 Jul 2017 16:37  
Operator : SJ/MA  
Sample : I3882-14RE  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

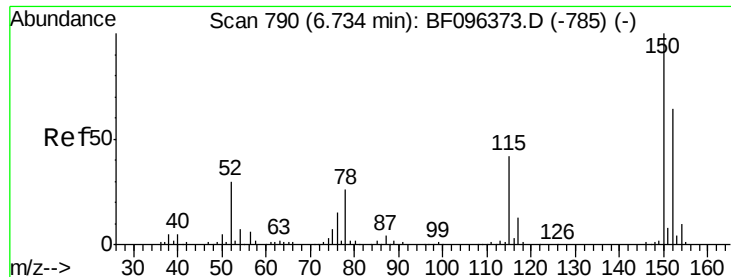
Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

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Quant Time: Jul 04 01:36:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 01:43:12 2017  
Response via : Initial Calibration





#1

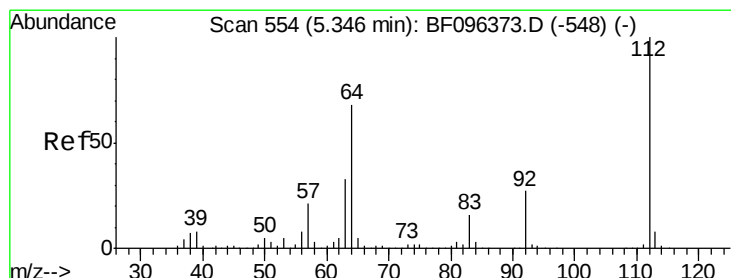
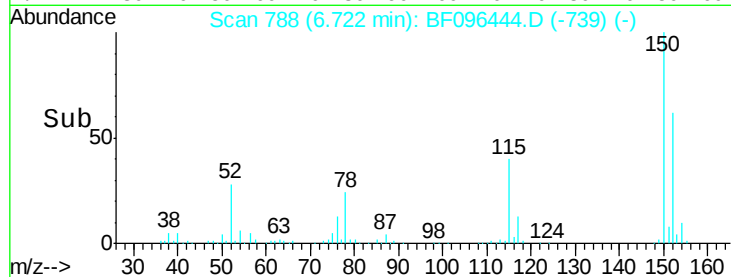
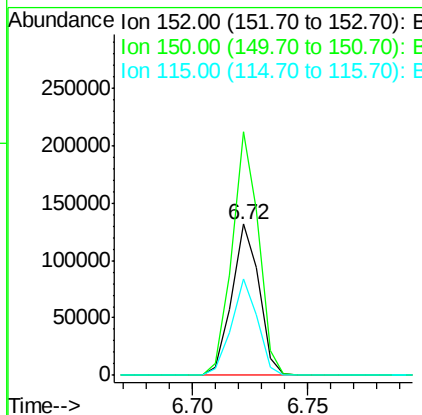
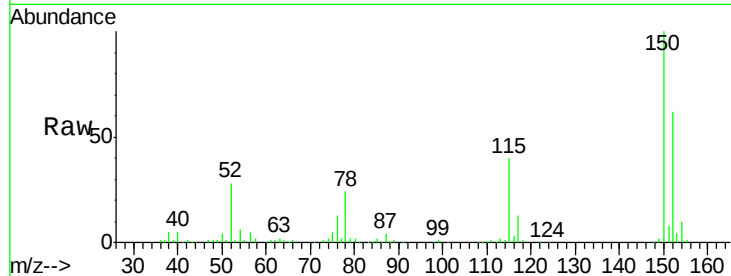
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G54-1.5-3RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.3 | 126.2 | 189.2 |
| 115     | 64.3  | 52.2  | 78.2  |

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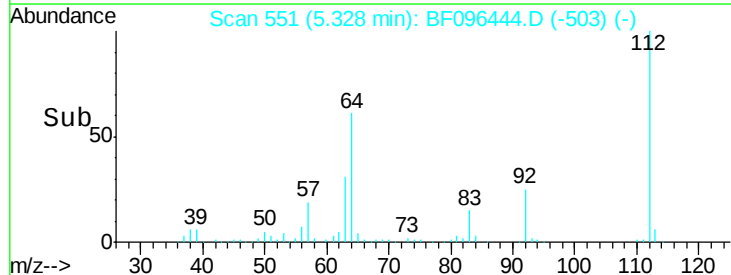
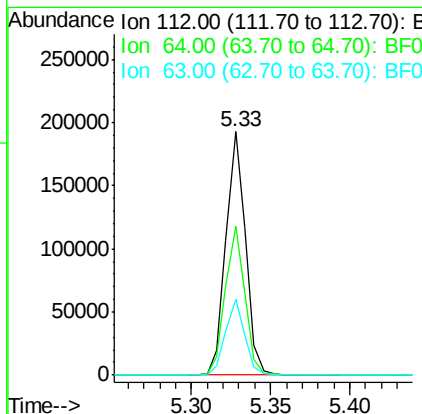
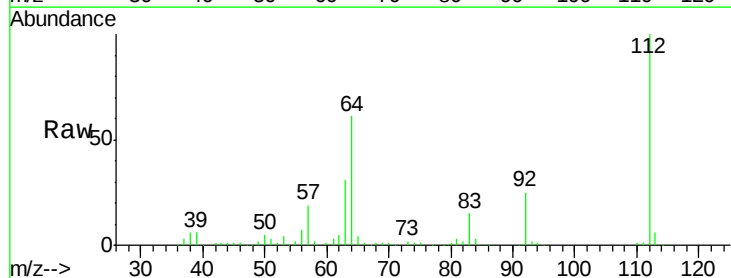
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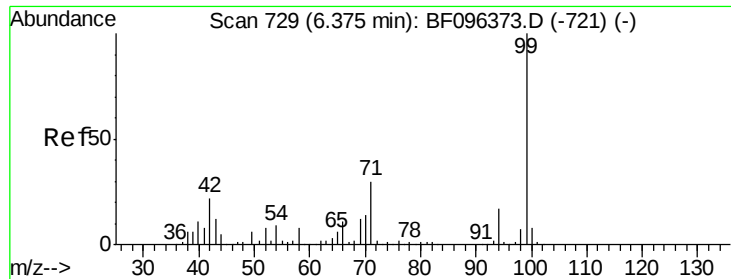


#5

2-Fluorophenol  
 Concen: 22.533 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. -0.02 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 46.0  | 69.0  |
| 63      | 31.2  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 30.707 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA\_F

ClientSampleId :

G54-1.5-3RE

Tgt Ion: 99 Resp: 276642

Ion Ratio Lower Upper

99 100

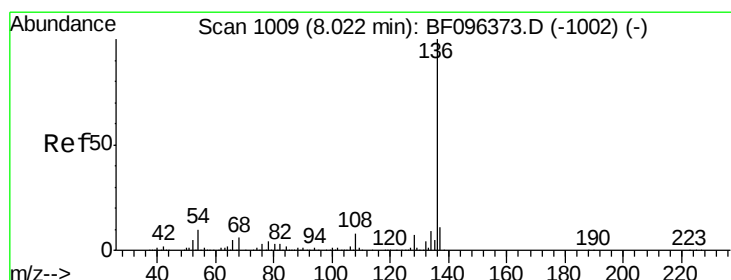
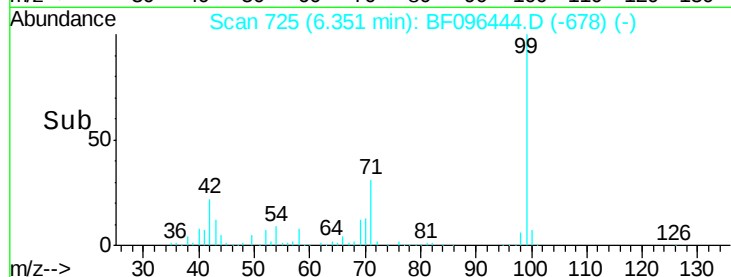
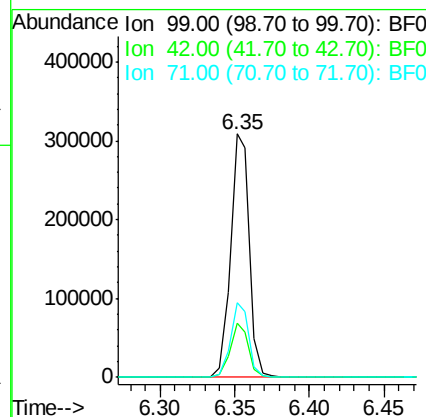
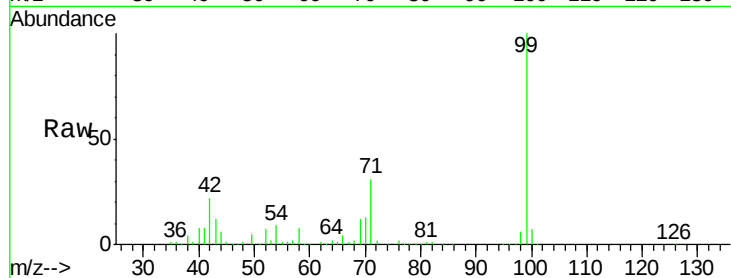
42 22.1 13.5 20.3#

71 30.8 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Tgt Ion: 136 Resp: 414505

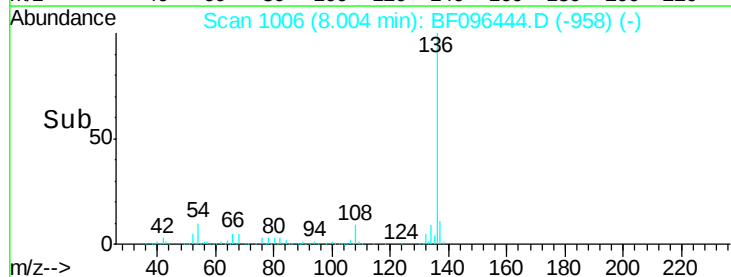
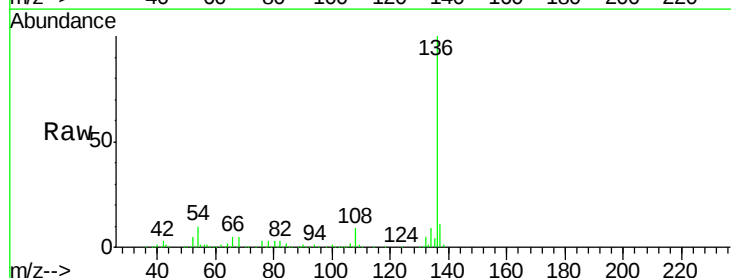
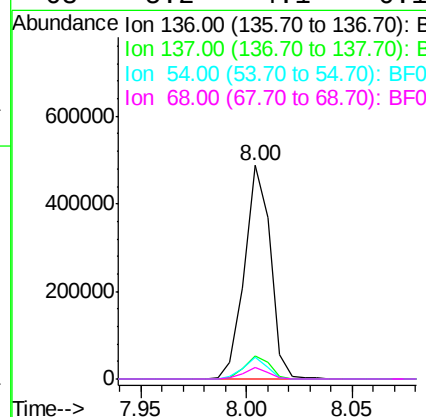
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.4 4.9 7.3#

68 5.2 4.1 6.1





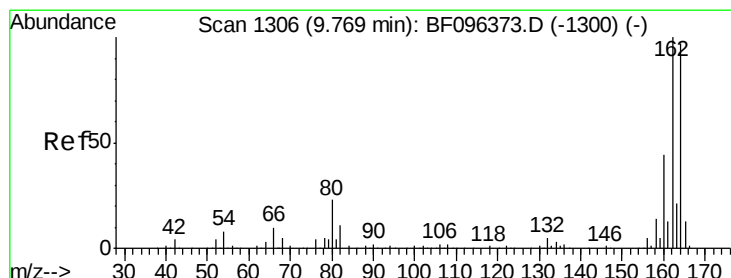
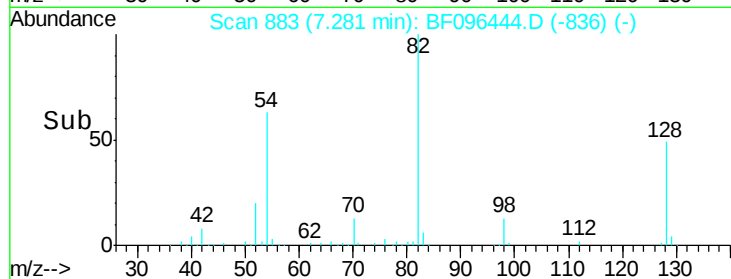
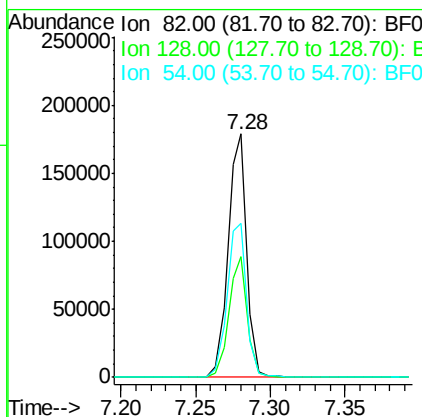
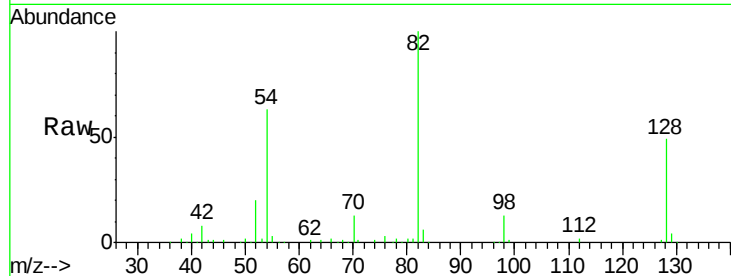
#23  
Nitrobenzene-d5  
Concen: 23.064 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.02 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 49.5  | 34.0       | 51.0       |
| 54      | 63.4  | 42.2       | 63.2       |

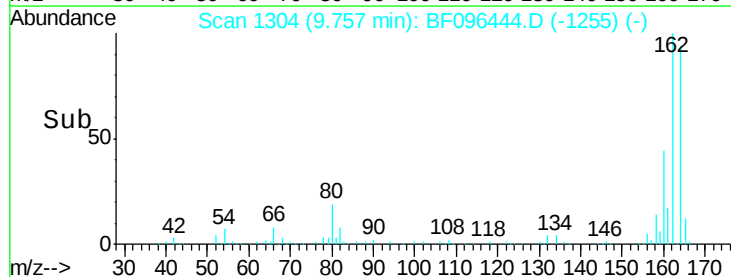
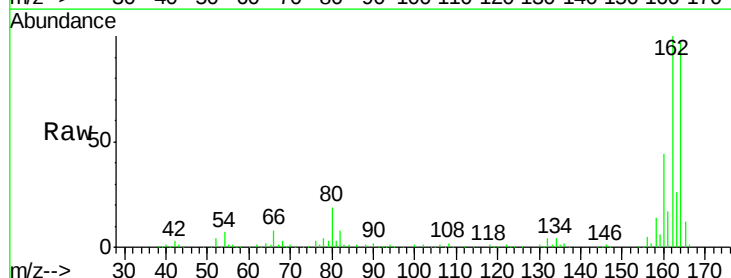
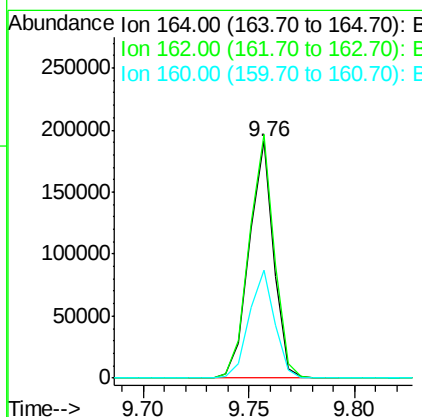
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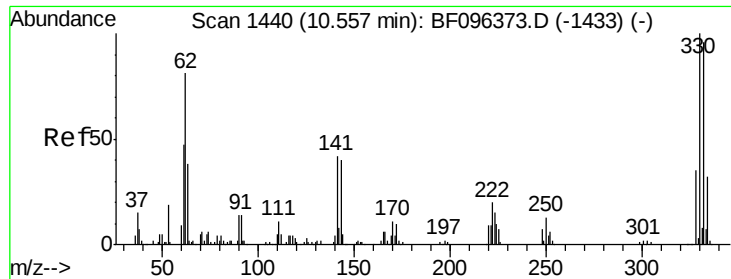
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 162     | 102.8 | 82.6       | 123.8      |
| 160     | 45.6  | 36.2       | 54.2       |





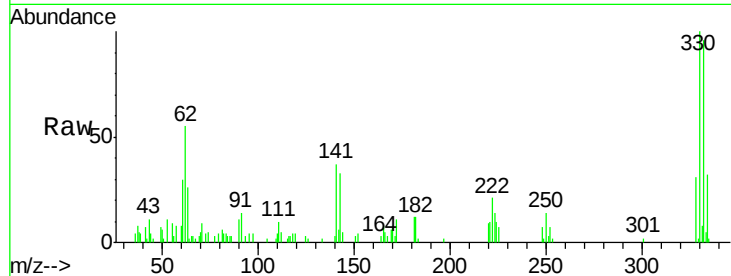
#41  
 2,4,6-Tribromophenol  
 Concen: 10.437 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.02 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G54-1.5-3RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.8  | 76.6  | 115.0 |
| 141     | 39.2  | 31.4  | 47.2  |

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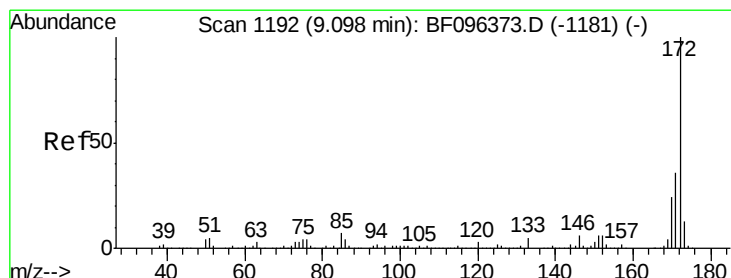
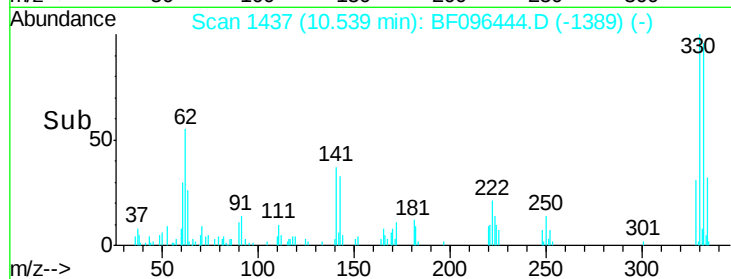
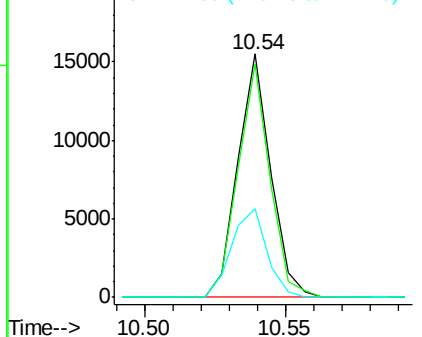


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 35.492 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.02 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

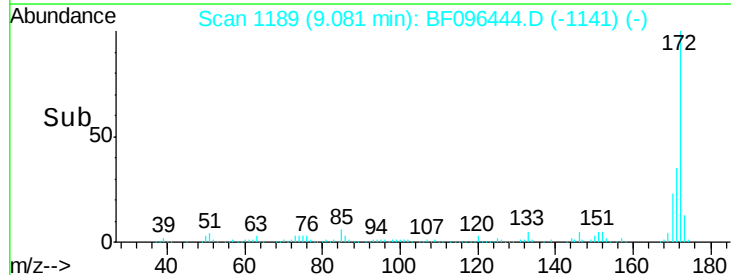
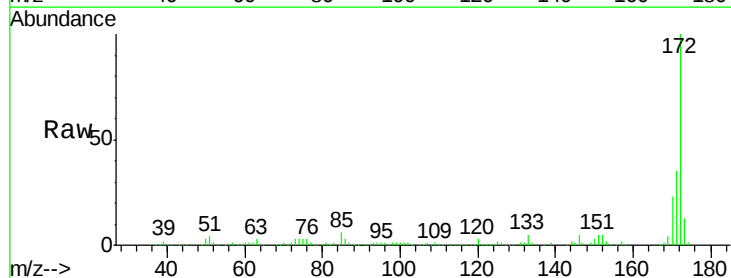
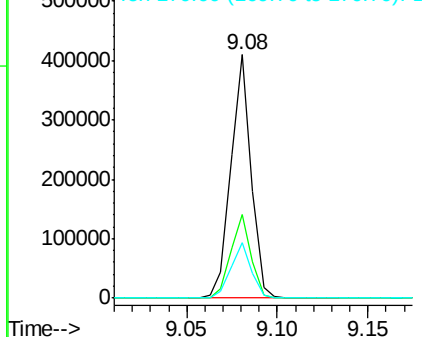
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 29.6  | 44.4  |
| 170     | 22.9  | 19.8  | 29.8  |

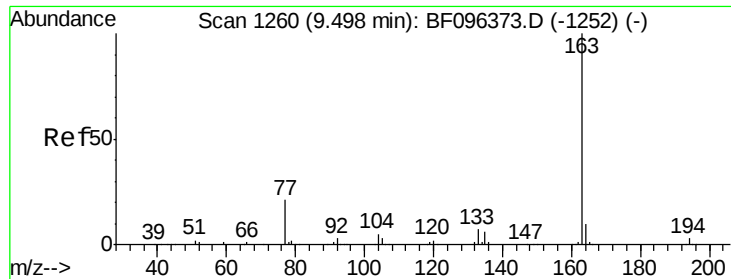
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





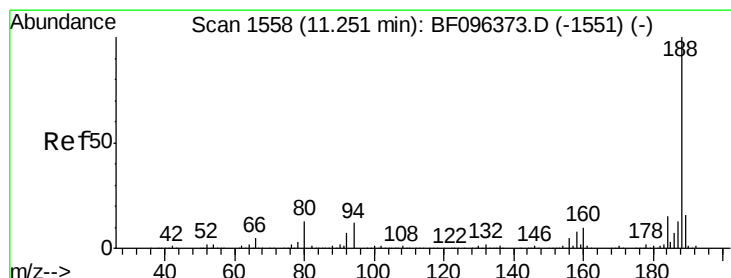
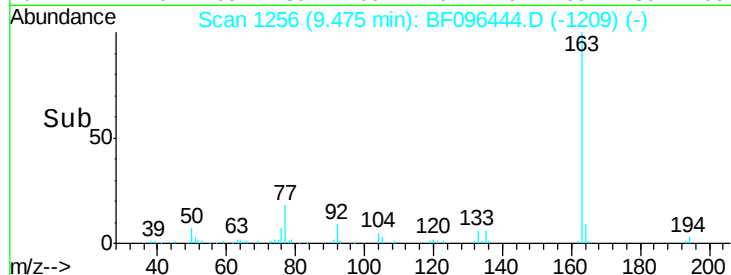
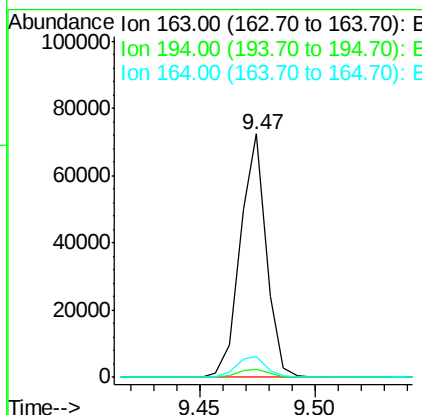
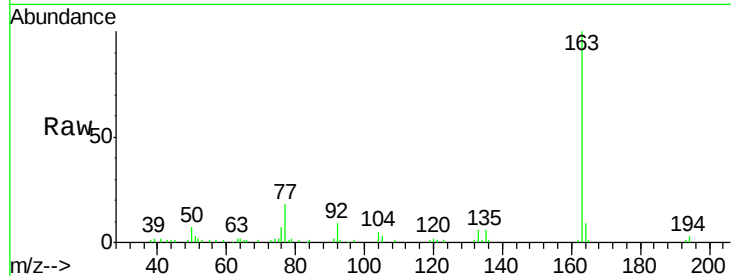
#49  
Dimethylphthalate  
Concen: 4.957 ng  
RT: 9.47 min Scan# 1256  
Delta R.T. -0.02 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 56883 |       |       |
| 194     | 3.2   | 2.6   | 4.0   |       |
| 164     | 8.8   | 8.4   | 12.6  |       |

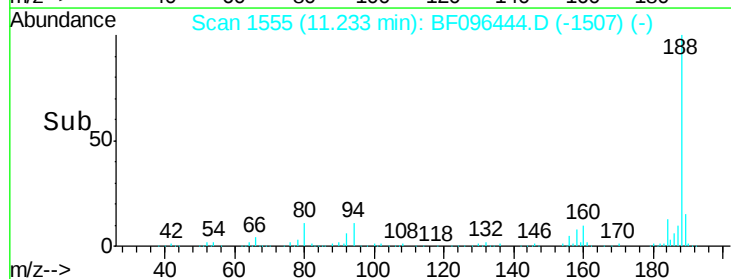
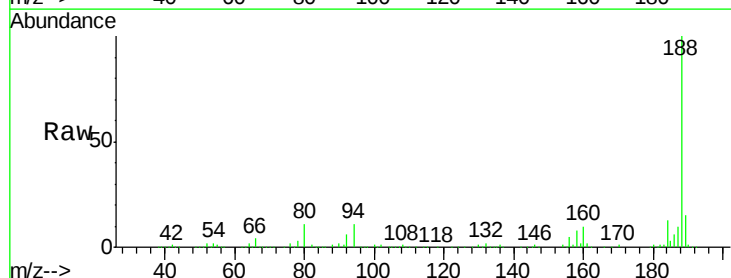
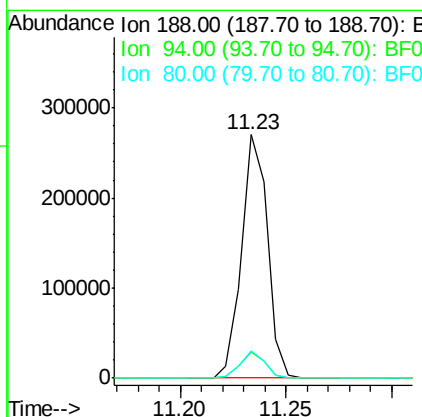
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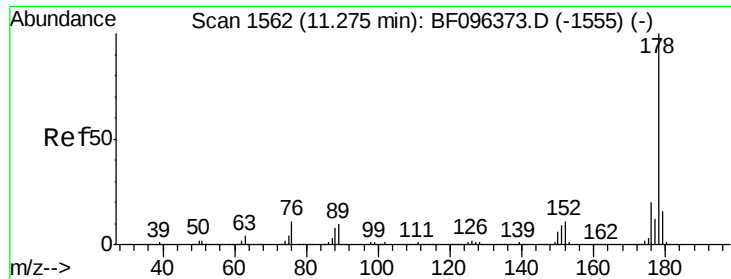
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#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. -0.02 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 228938 |       |       |
| 94      | 10.8  | 9.4    | 14.2  |       |
| 80      | 11.4  | 10.2   | 15.2  |       |





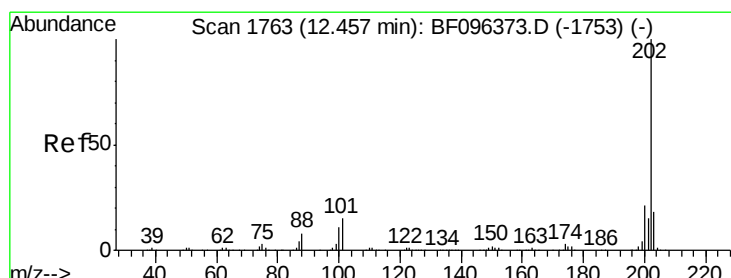
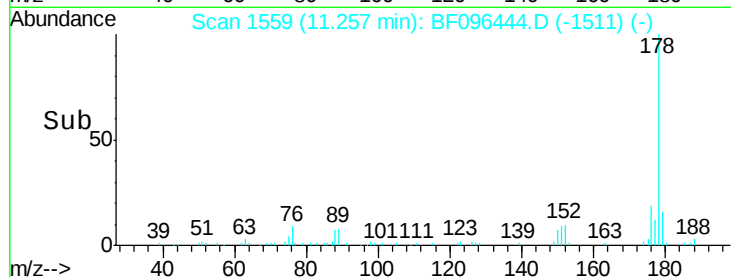
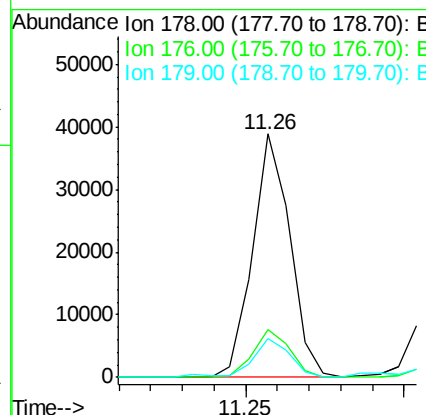
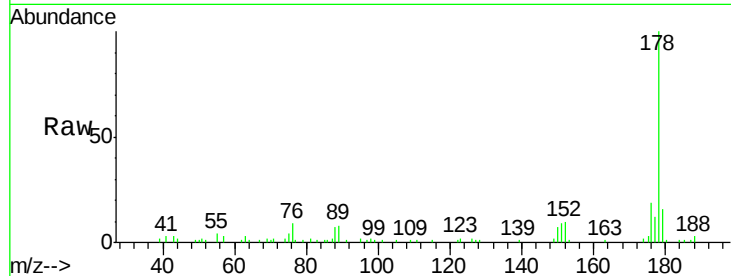
#70  
Phenanthrene  
Concen: 2.560 ng  
RT: 11.26 min Scan# 1559  
Delta R.T. -0.02 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 16.2  | 24.4  |
| 179     | 15.9  | 12.6  | 19.0  |

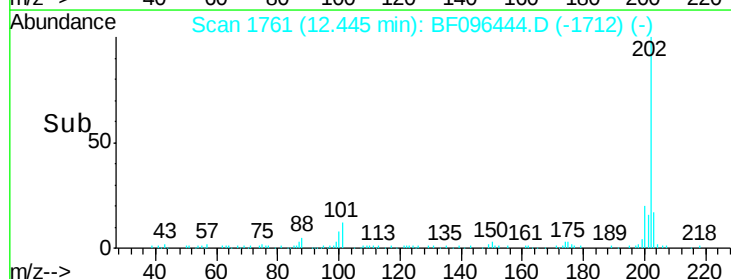
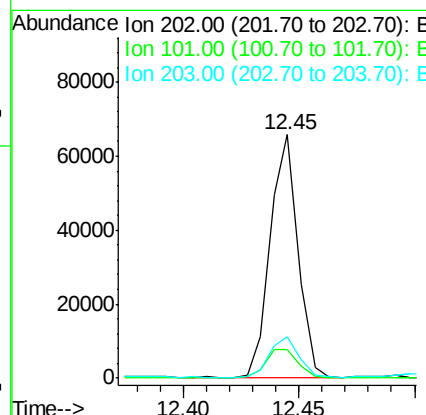
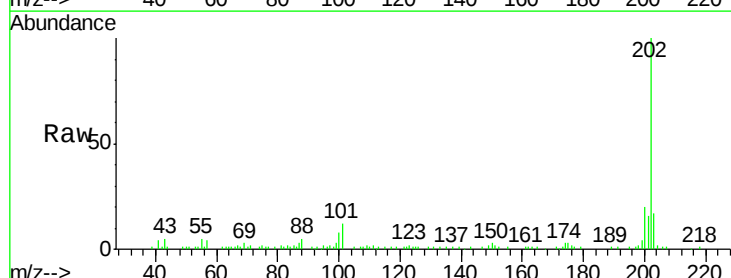
Manual Integrations  
APPROVED

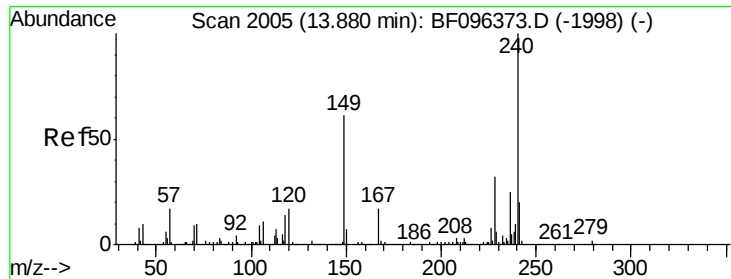
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7/5/2017 11:41:27 AM



#74  
Fluoranthene  
Concen: 4.560 ng  
RT: 12.45 min Scan# 1761  
Delta R.T. -0.01 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 0.0   | 33.2  |
| 203     | 16.8  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA\_F

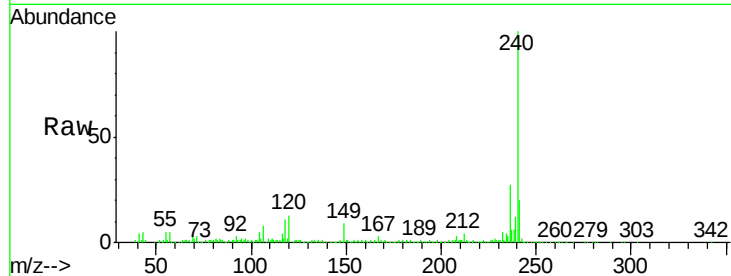
ClientSampleId :

G54-1.5-3RE

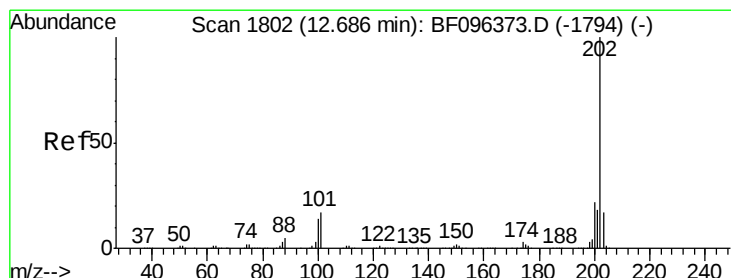
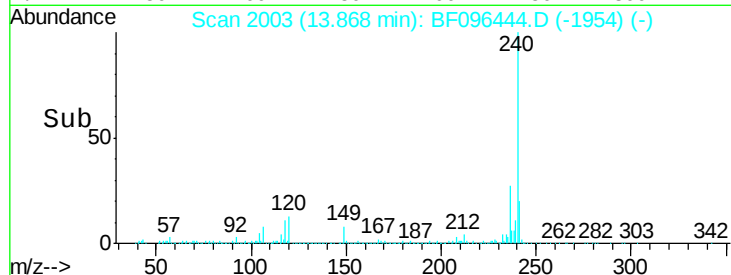
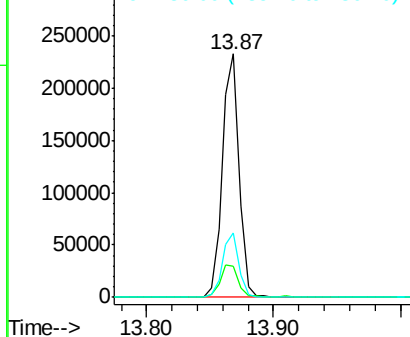
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.9  | 5.8   | 8.8#  |
| 236     | 26.7  | 20.5  | 30.7  |

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7/5/2017 11:41:27 AM



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



#77

Pyrene

Concen: 3.114 ng

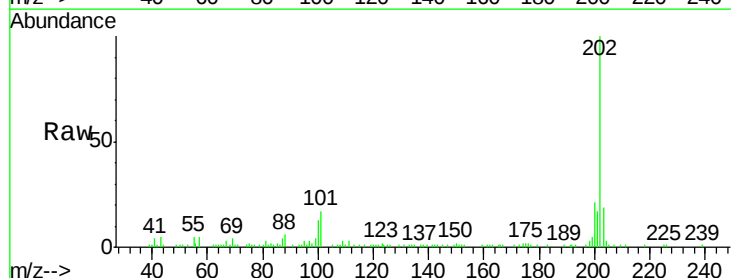
RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

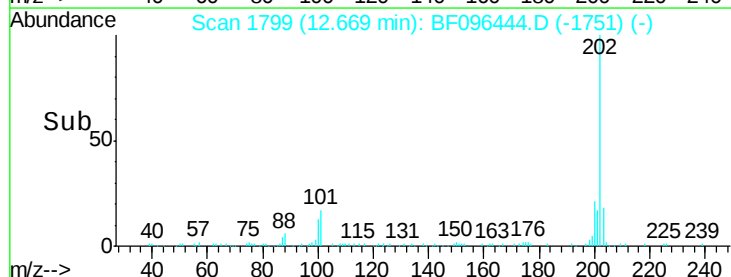
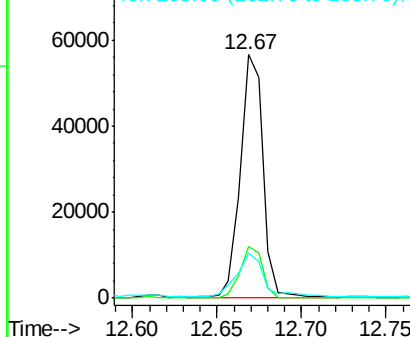
Lab File: BF096444.D

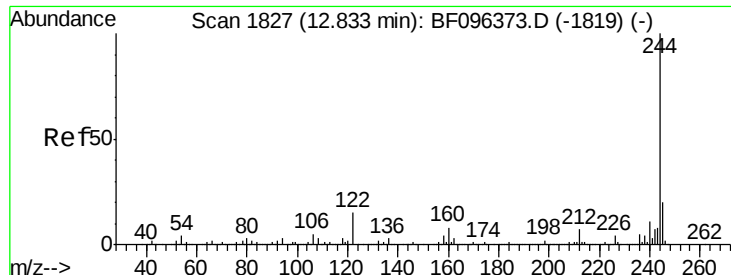
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 17.6  | 26.4  |
| 203     | 18.5  | 14.4  | 21.6  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





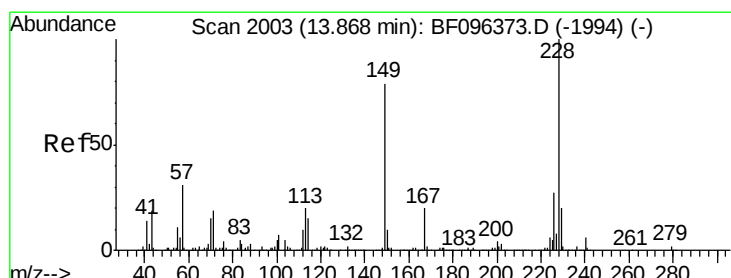
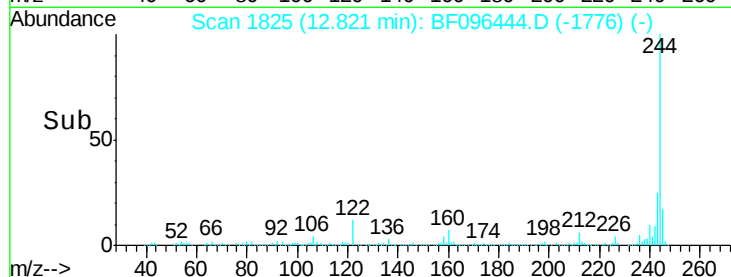
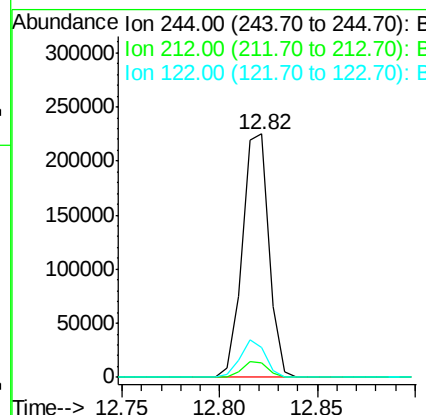
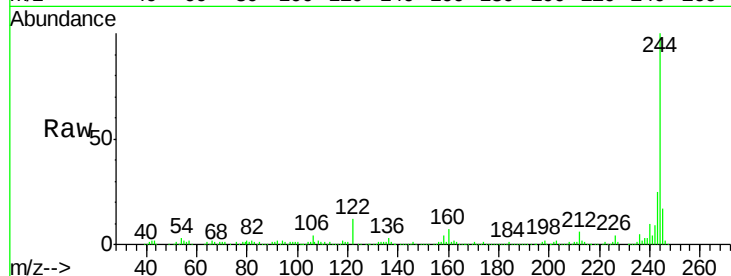
#78  
 Terphenyl-d14  
 Concen: 21.176 ng  
 RT: 12.82 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G54-1.5-3RE

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 6.2   | 6.0  | 9.0   |       |
| 122     | 12.2  | 10.3 | 15.5  |       |

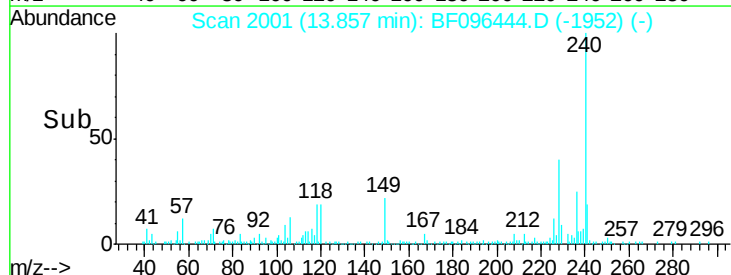
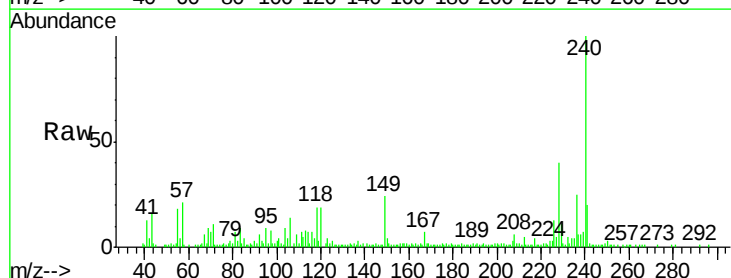
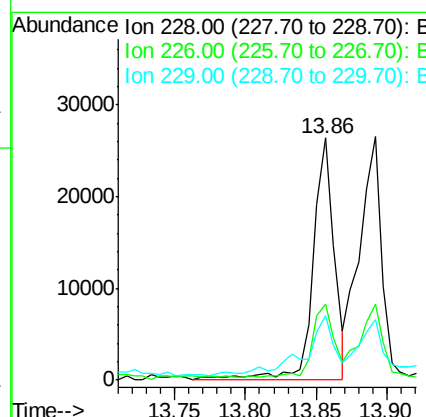
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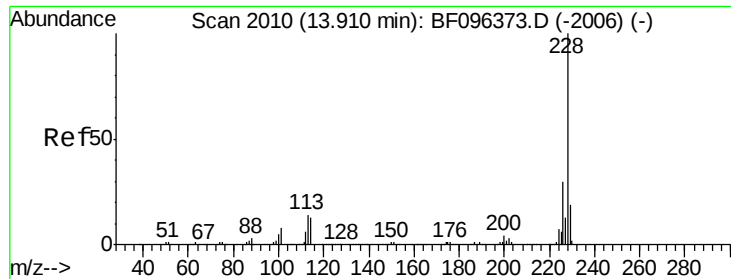
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#80  
 Benzo(a)anthracene  
 Concen: 2.240 ng  
 RT: 13.86 min Scan# 2001  
 Delta R.T. -0.01 min  
 Lab File: BF096444.D  
 Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   |      |       |       |
| 226     | 31.4  | 22.6 | 33.8  |       |
| 229     | 26.4  | 16.3 | 24.5  |       |





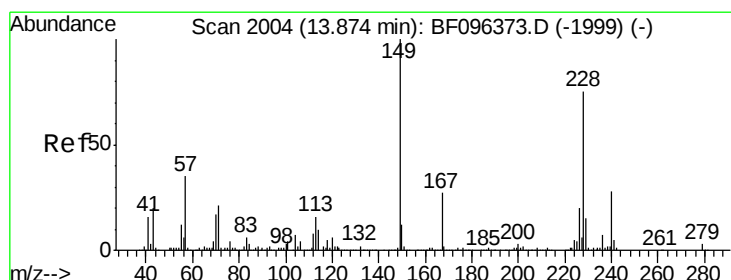
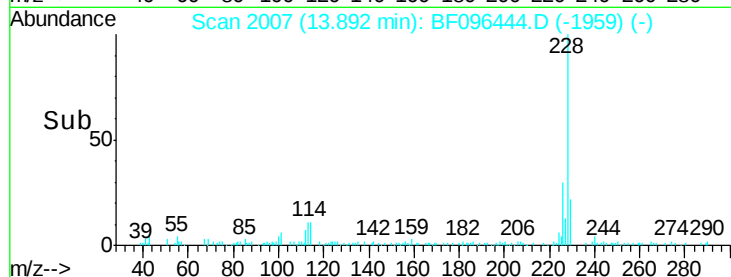
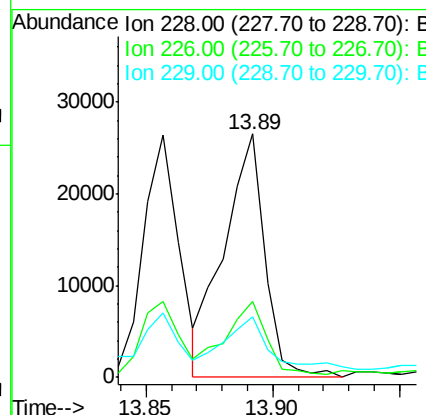
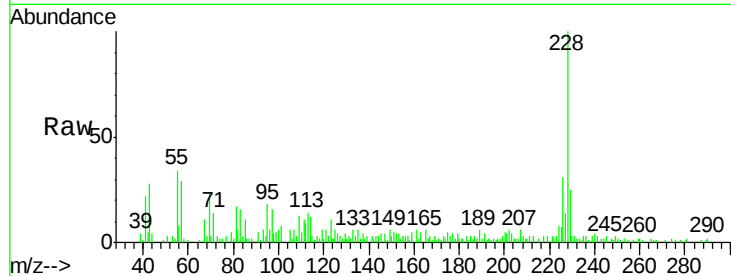
#82  
Chrysene  
Concen: 2.283 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.02 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 24.9  | 37.3  |
| 229     | 25.0  | 15.8  | 23.6  |

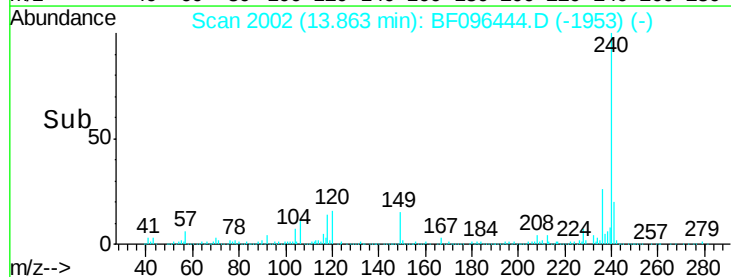
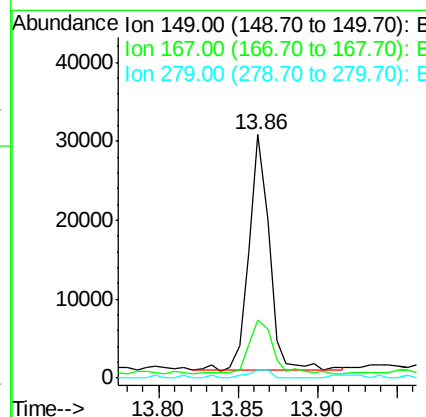
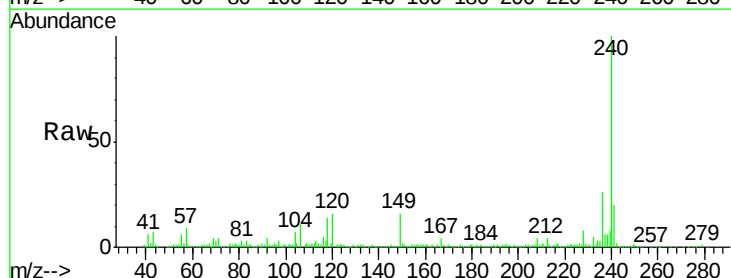
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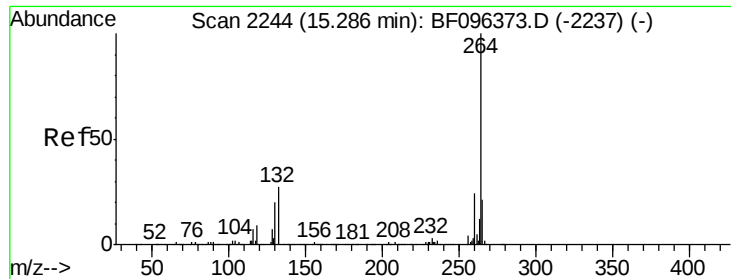
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7/5/2017 11:41:27 AM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 2.747 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 23.7  | 21.0  | 31.4  |
| 279     | 3.5   | 1.9   | 2.9   |





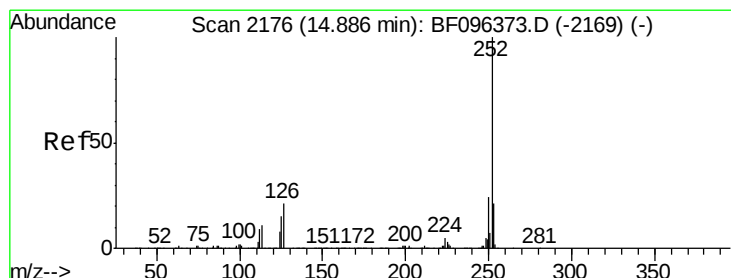
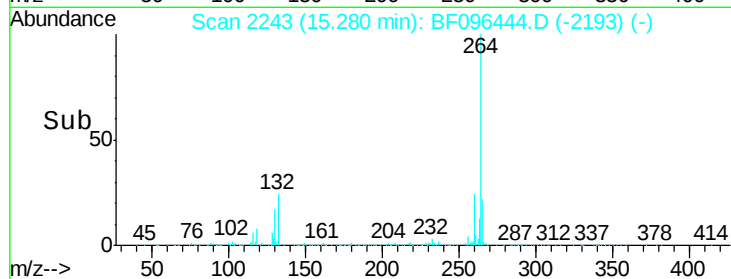
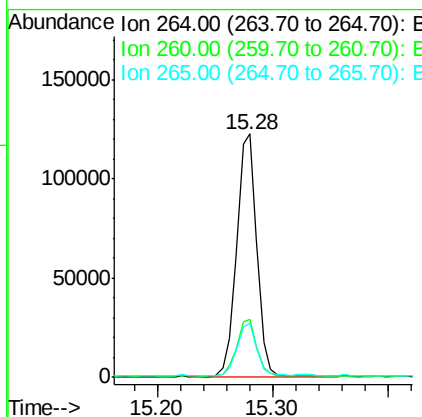
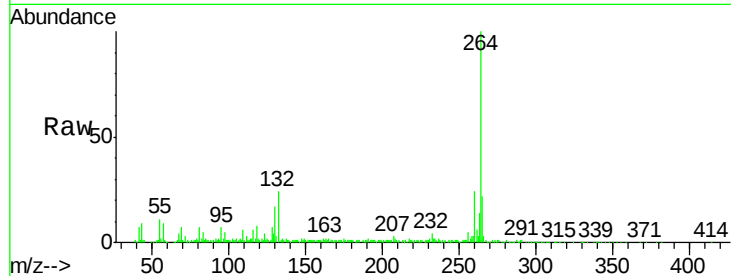
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. -0.01 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
G54-1.5-3RE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.5  | 29.3  |
| 265     | 22.1  | 17.2  | 25.8  |

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#87  
Benzo(b)fluoranthene  
Concen: 3.275 ng m  
RT: 14.88 min Scan# 2175  
Delta R.T. -0.01 min  
Lab File: BF096444.D  
Acq: 3 Jul 2017 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 18.1  | 27.1  |
| 125     | 25.3  | 9.8   | 14.8# |

