

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
 Data File : BF087190.D  
 Acq On : 19 May 2016 16:42  
 Operator : UM/SJ  
 Sample : H3119-01DL 100X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-CLARK-ST-ESMI-7DL

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Quant Time: May 19 18:37:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 19 18:14:51 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.56  | 152  | 126956   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.85  | 136  | 547155   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.60  | 164  | 271809   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.07 | 188  | 502539   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.70 | 240  | 403311   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.05 | 264  | 293752   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 6.27  | 99   | 7096     | 0.70  | ng    | 0.03     |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 8010     | 0.73  | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 214      | 0.07  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.94  | 172  | 18281    | 1.11  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.66 | 244  | 15996    | 0.90  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 31) Naphthalene             | 7.87  | 128  | 1618361  | 60.53 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 8.57  | 142  | 241975   | 14.15 | ng    | 99       |
| 45) 1,1'-Biphenyl           | 9.03  | 154  | 89801    | 3.98  | ng    | 96       |
| 51) Acenaphthene            | 9.63  | 154  | 341478   | 20.69 | ng    | 99       |
| 57) Fluorene                | 10.15 | 166  | 182790   | 10.66 | ng    | 99       |
| 70) Phenanthrene            | 11.11 | 178  | 932932   | 34.23 | ng    | 99       |
| 71) Anthracene              | 11.15 | 178  | 371980   | 13.49 | ng    | 99       |
| 74) Fluoranthene            | 12.29 | 202  | 400092   | 14.65 | ng    | 92       |
| 77) Pyrene                  | 12.51 | 202  | 535041   | 18.36 | ng    | 98       |
| 80) Benzo(a)anthracene      | 13.69 | 228  | 129264m  | 5.54  | ng    |          |
| 82) Chrysene                | 13.73 | 228  | 92316    | 4.09  | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 14.70 | 252  | 66950m   | 3.44  | ng    |          |
| 89) Benzo(a)pyrene          | 15.01 | 252  | 78416    | 4.81  | ng    | 98       |
| 91) Benzo(g,h,i)perylene    | 16.65 | 276  | 36693    | 2.65  | ng    | 94       |

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

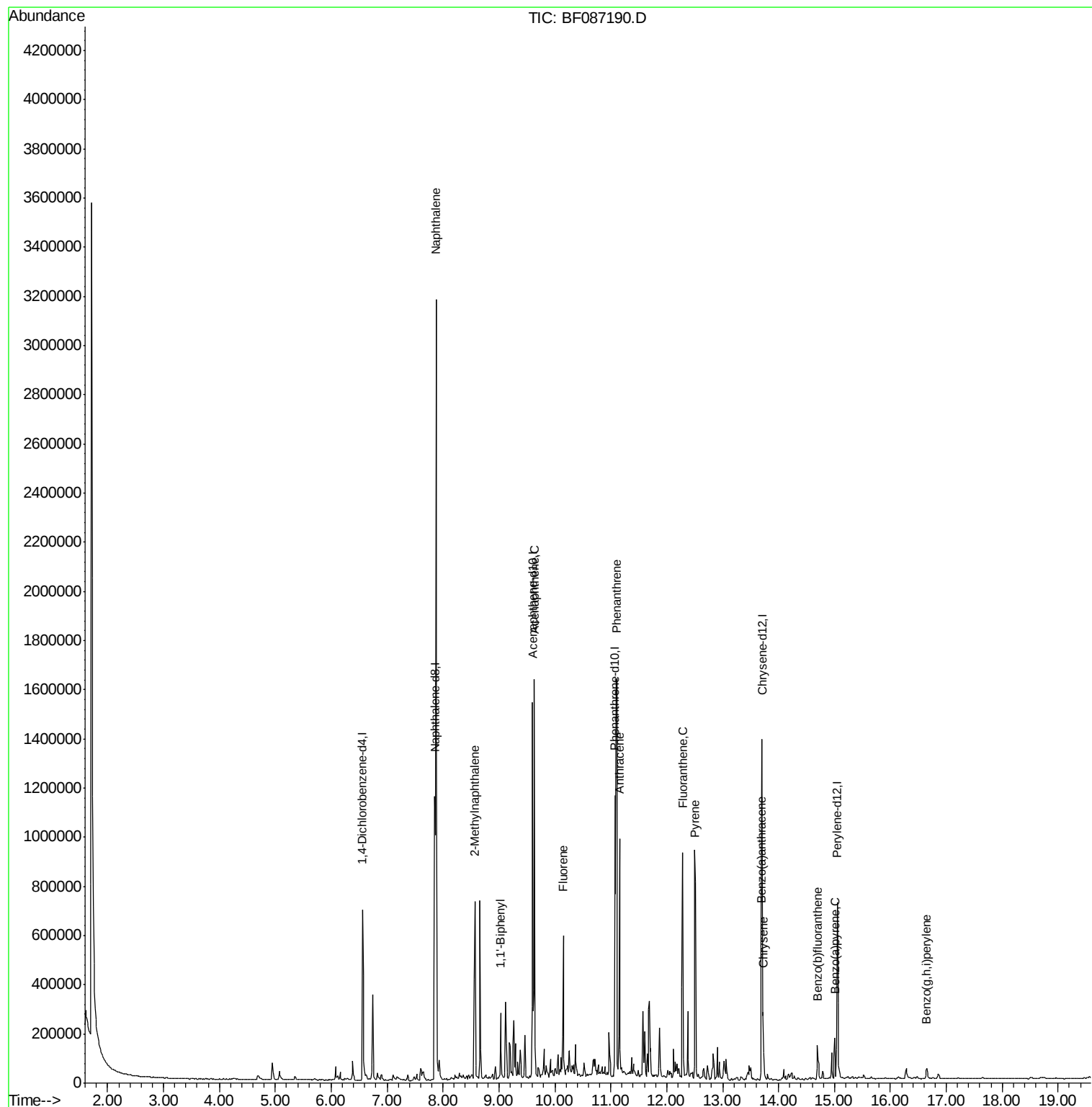
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051916\  
Data File : BF087190.D  
Acq On : 19 May 2016 16:42  
Operator : UM/SJ  
Sample : H3119-01DL 100X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

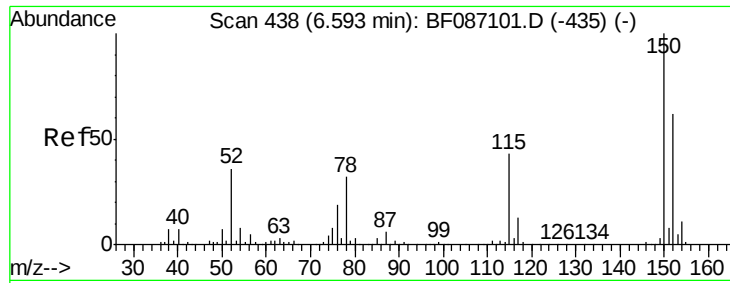
Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

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Quant Time: May 19 18:37:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 19 18:14:51 2016  
Response via : Initial Calibration





#1

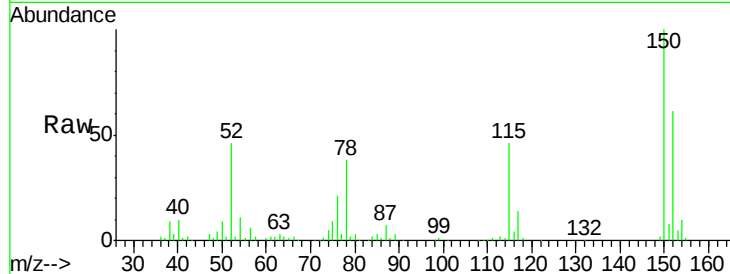
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.56 min Scan# 435  
Delta R.T. -0.01 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

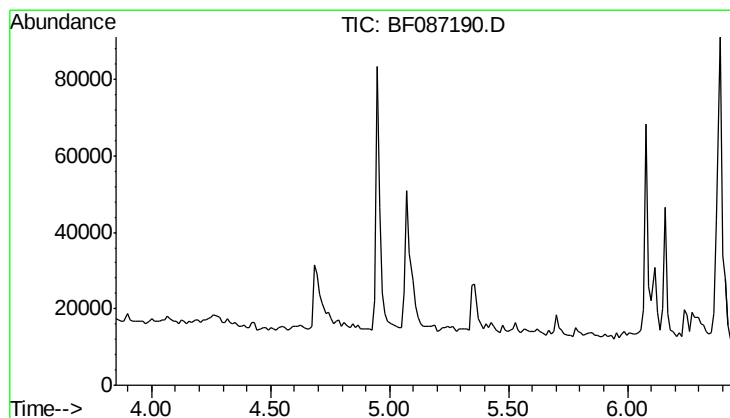
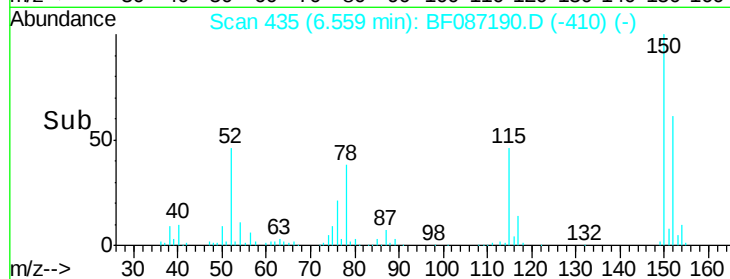
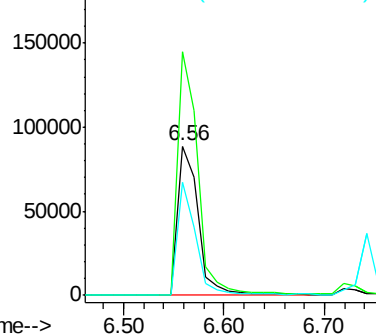
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 126956 |       |       |
| 150     | 163.0 | 125.8  | 188.6 |       |
| 115     | 75.6  | 51.5   | 77.3  |       |

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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

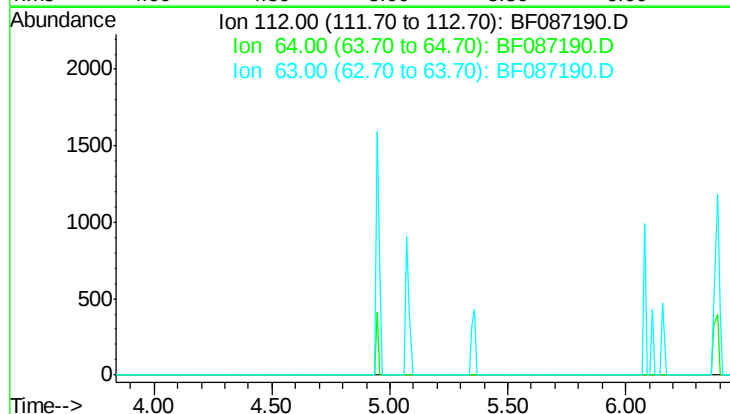


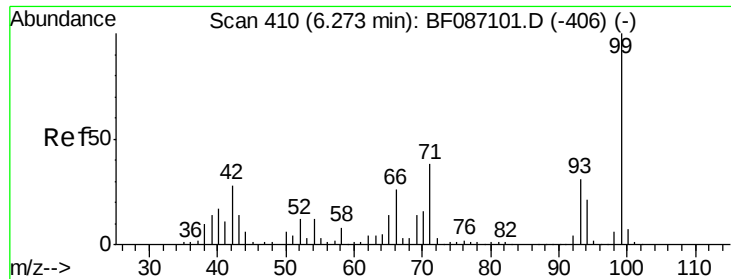
#5

2-Fluorophenol  
Concen: 0.00 ng  
Expected RT: 5.14 min

Lab File: BF087190.D  
Acq: 19 May 2016 16:42

| Tgt Ion | Sig  | Exp Ratio |
|---------|------|-----------|
| 112     | 100  |           |
| 64      | 65.1 |           |
| 63      | 32.1 |           |





#7

Phenol-d6

Concen: 0.70 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.03 min

Lab File: BF087190.D

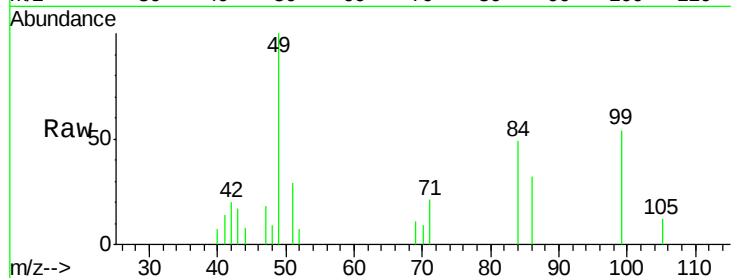
Acq: 19 May 2016 16:42

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion: 99 Resp: 7096

Ion Ratio Lower Upper

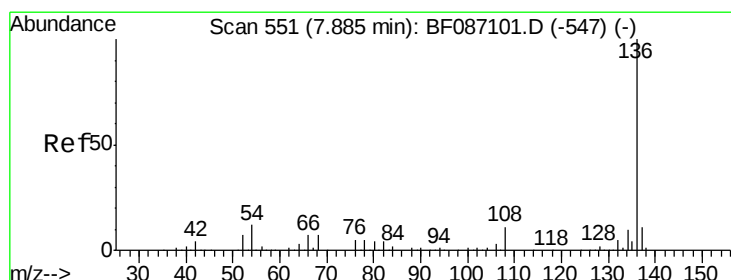
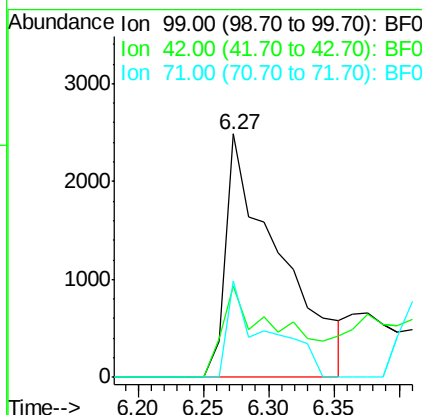
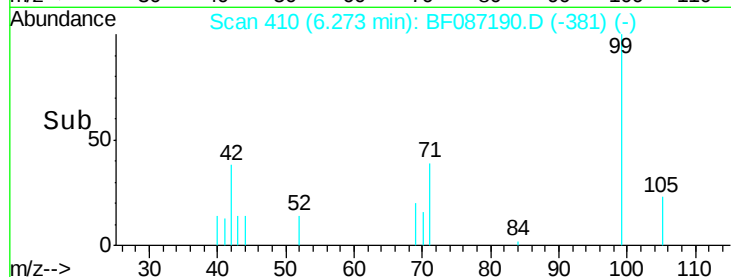
99 100

42 37.6 13.6 20.4#

71 39.4 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

Tgt Ion: 136 Resp: 547155

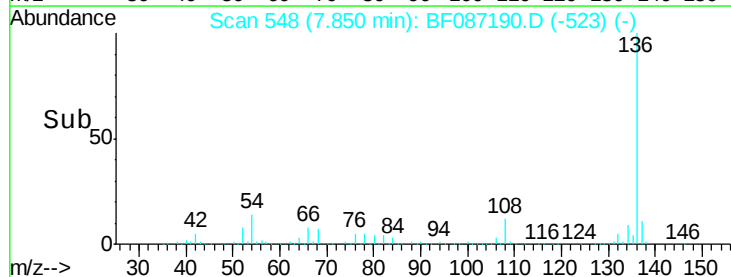
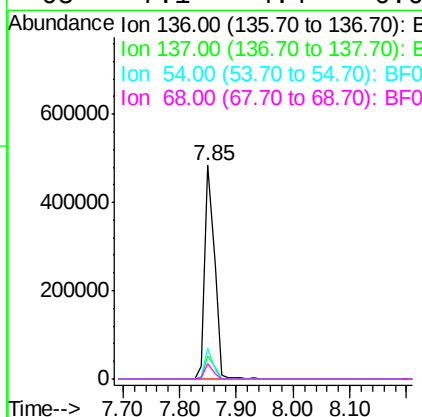
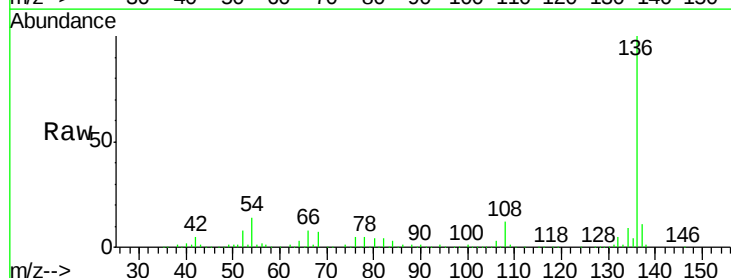
Ion Ratio Lower Upper

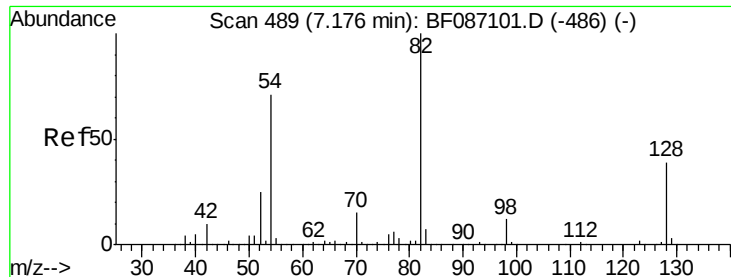
136 100

137 11.1 8.8 13.2

54 14.4 5.0 7.4#

68 7.1 4.4 6.6#





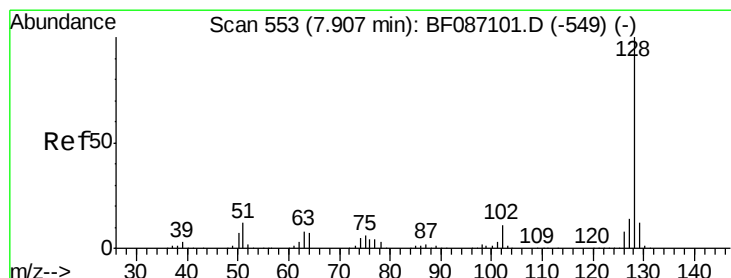
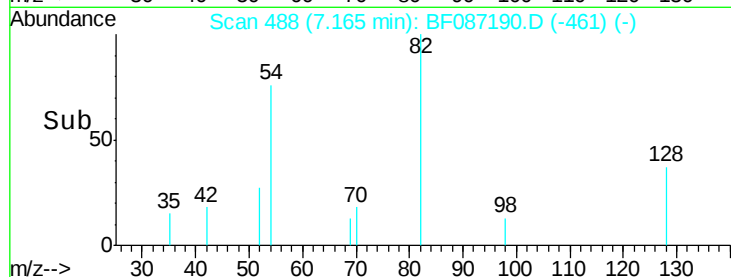
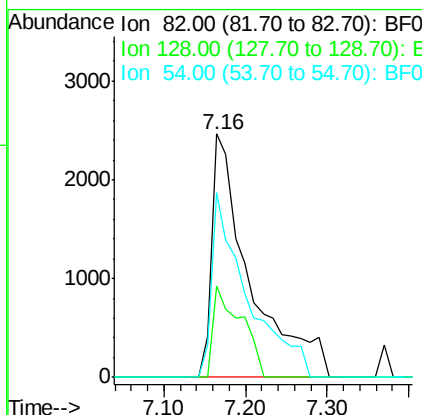
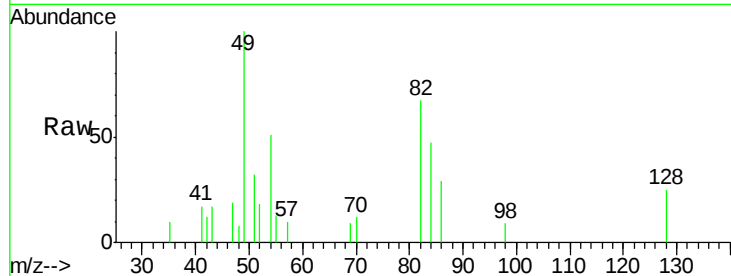
#23  
Nitrobenzene-d5  
Concen: 0.73 ng  
RT: 7.16 min Scan# 488  
Delta R.T. 0.01 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.5  | 40.6  | 61.0# |
| 54      | 75.6  | 38.1  | 57.1# |

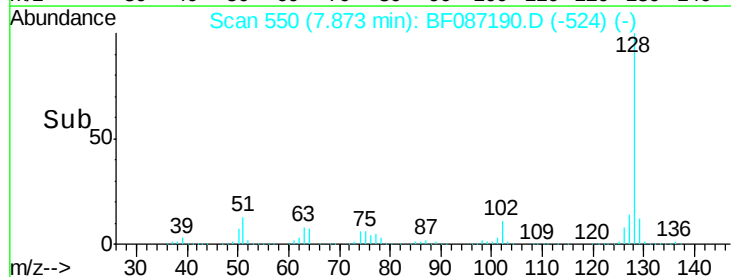
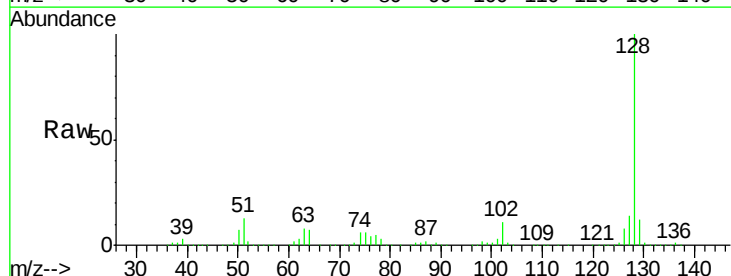
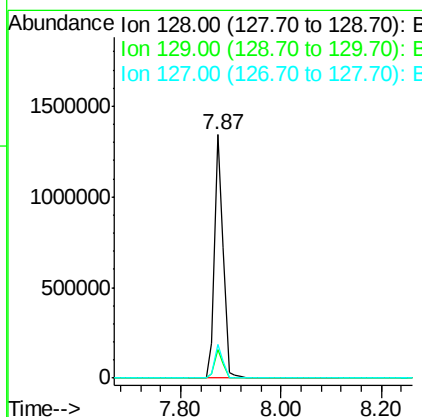
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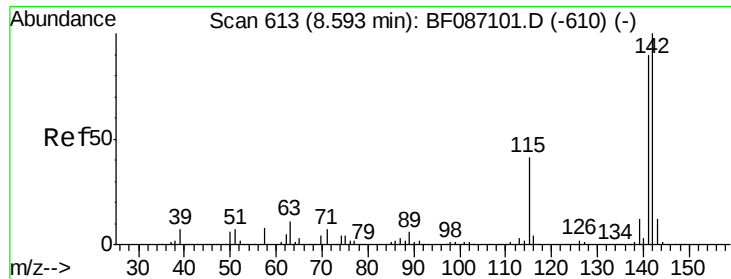
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#31  
Naphthalene  
Concen: 60.53 ng  
RT: 7.87 min Scan# 550  
Delta R.T. 0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 8.6   | 13.0  |
| 127     | 13.9  | 10.8  | 16.2  |





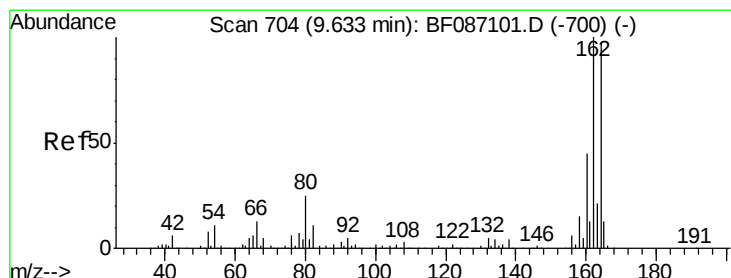
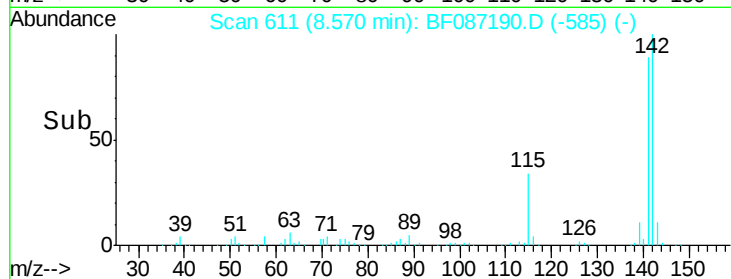
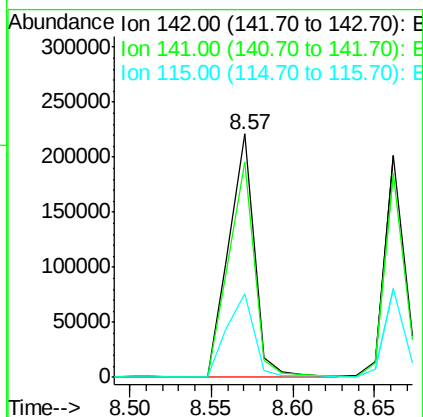
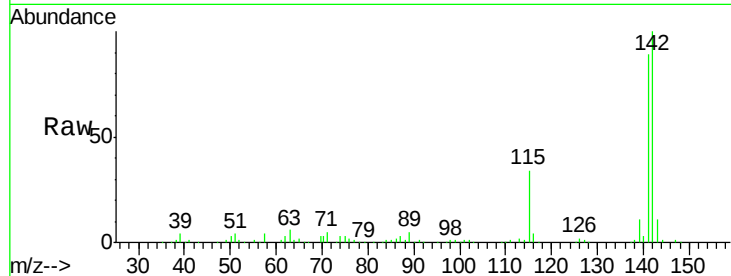
#37  
2-Methylnaphthalene  
Concen: 14.15 ng  
RT: 8.57 min Scan# 611  
Delta R.T. -0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 241975 |       |       |
| 141     | 88.7  | 71.0   | 106.6 |       |
| 115     | 34.4  | 26.6   | 39.8  |       |

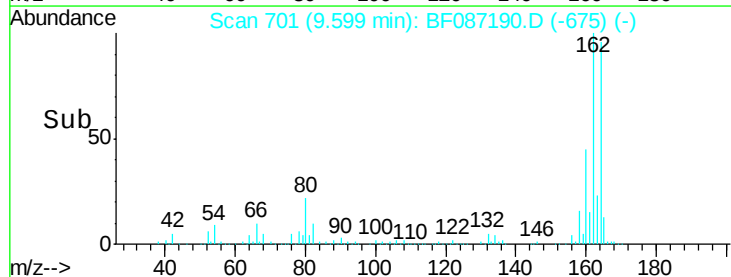
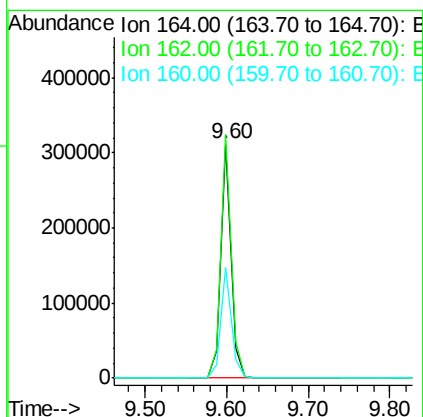
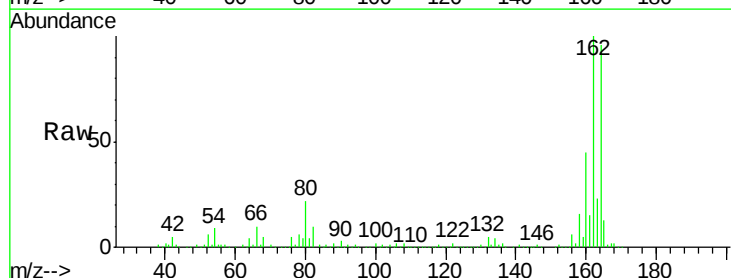
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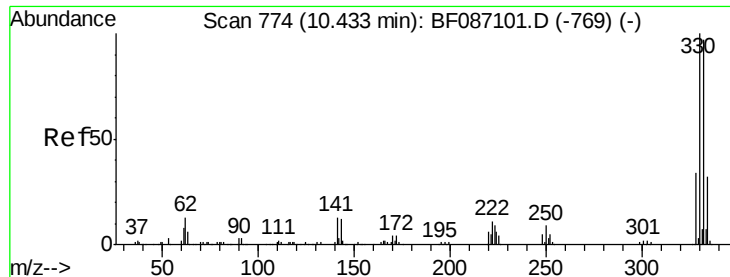
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.60 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 271809 |       |       |
| 162     | 104.1 | 82.8   | 124.2 |       |
| 160     | 47.0  | 36.9   | 55.3  |       |





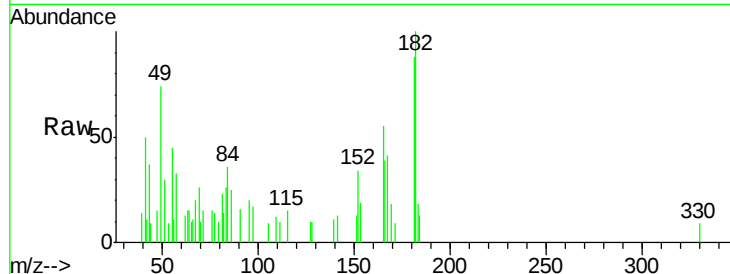
#41  
 2,4,6-Tribromophenol  
 Concen: 0.07 ng  
 RT: 10.40 min Scan# 771  
 Delta R.T. 0.00 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-CLARK-ST-ESMI-7DL

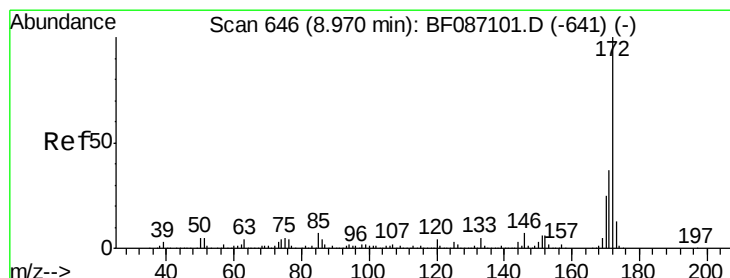
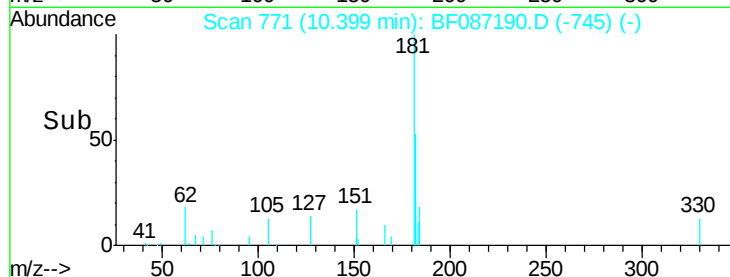
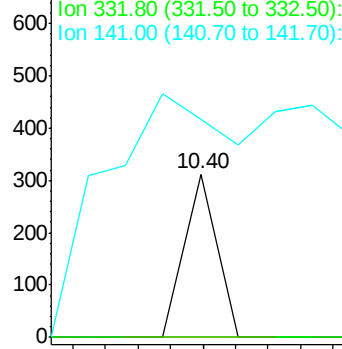
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 79.0  | 118.4# |
| 141     | 605.1 | 31.2  | 46.8#  |

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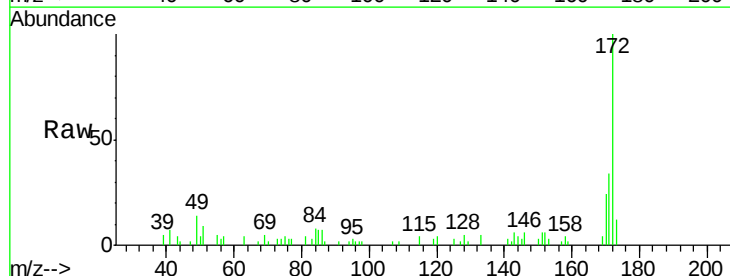


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

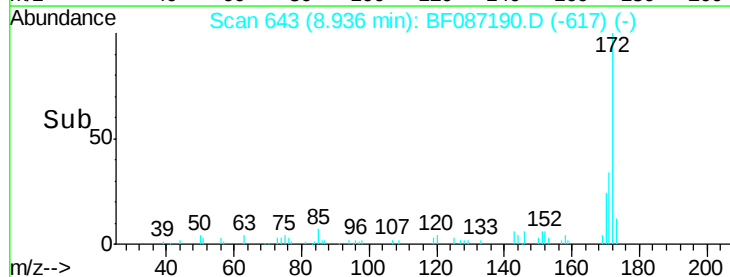
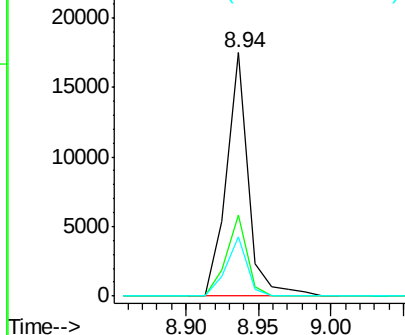


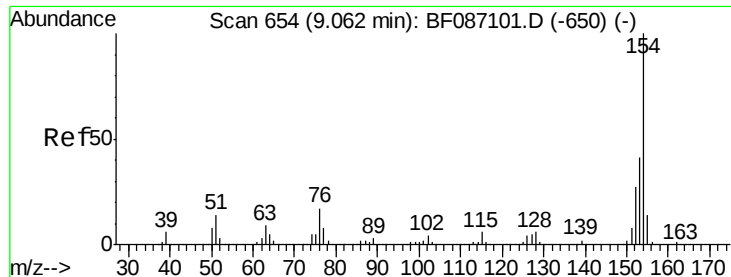
#44  
 2-Fluorobiphenyl  
 Concen: 1.11 ng  
 RT: 8.94 min Scan# 643  
 Delta R.T. -0.00 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.5  | 29.0  | 43.6  |
| 170     | 24.1  | 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





#45

1,1'-Biphenyl

Concen: 3.98 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

Instrument :

BNA\_F

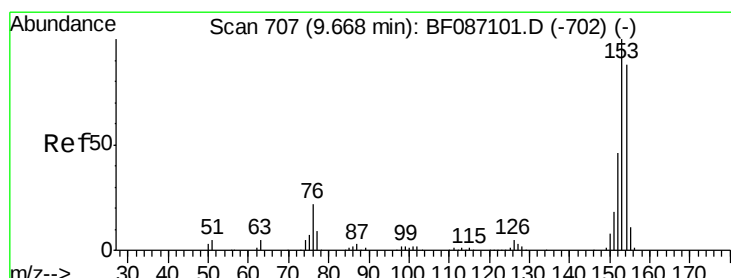
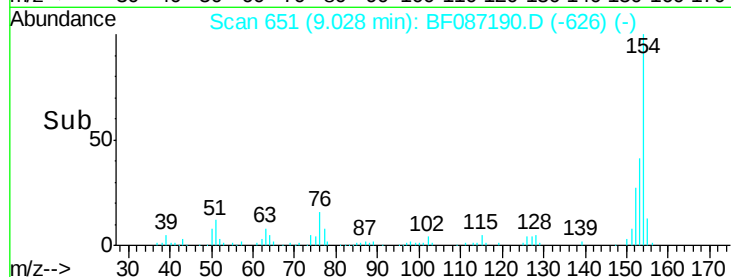
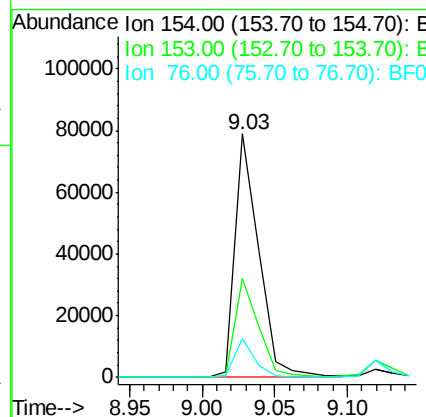
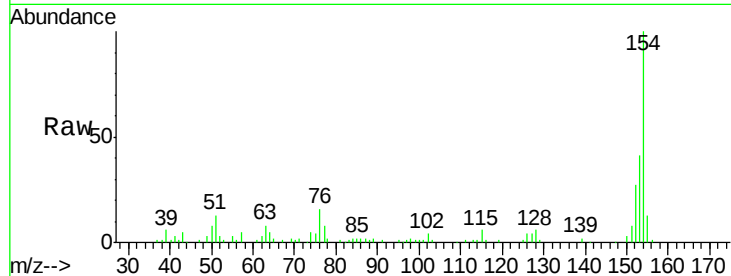
ClientSampleId :

NYSEG-CLARK-ST-ESMI-7DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 89801 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 40.7  | 20.3  | 60.3  |
| 76        | 15.9  | 0.0   | 30.2  |

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#51

Acenaphthene

Concen: 20.69 ng

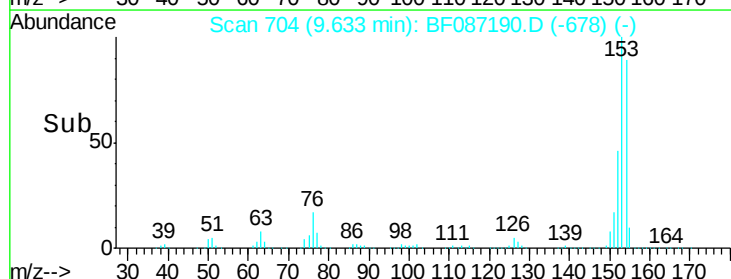
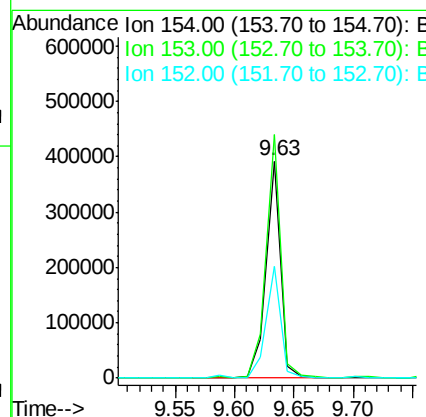
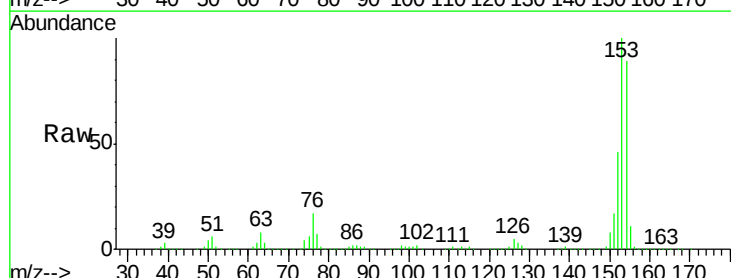
RT: 9.63 min Scan# 704

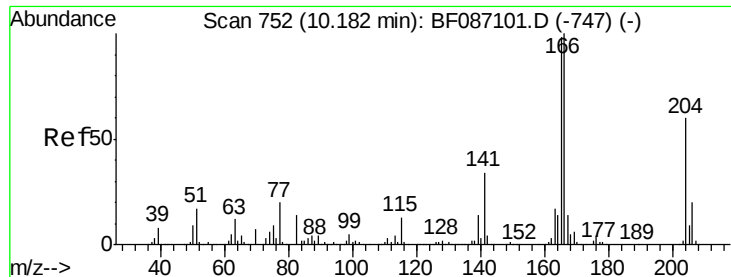
Delta R.T. -0.00 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 341478 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.1 | 89.8  | 134.6  |
| 152       | 51.3  | 43.4  | 65.0   |





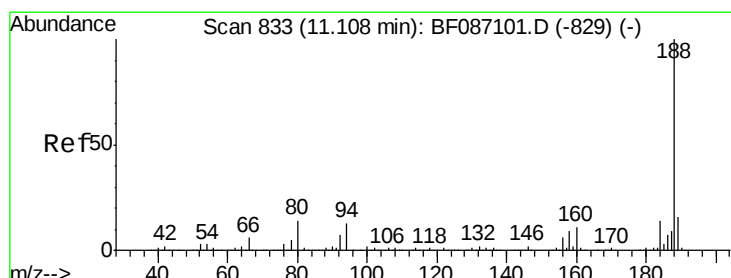
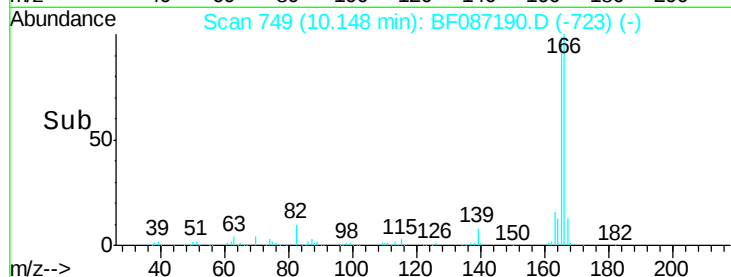
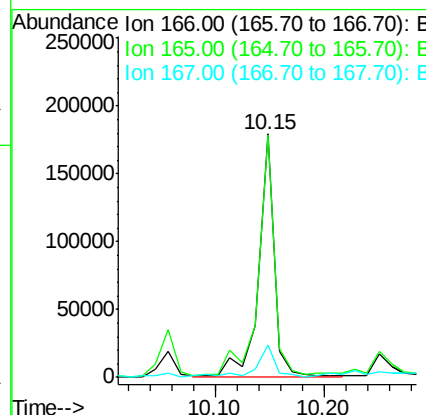
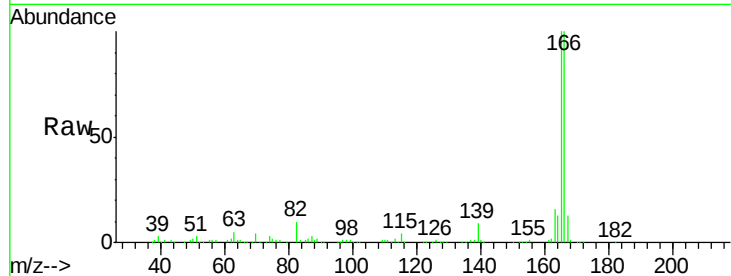
#57  
**Fluorene**  
 Concen: 10.66 ng  
 RT: 10.15 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-CLARK-ST-ESMI-7DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 182790 |       |       |
| 165     | 99.7  | 79.0   | 118.6 |       |
| 167     | 13.2  | 10.6   | 15.8  |       |

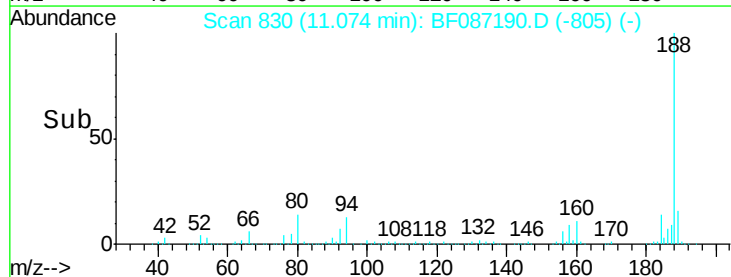
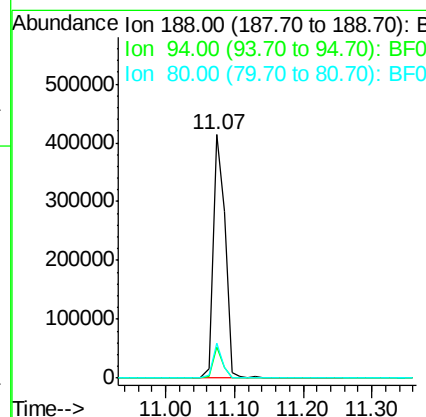
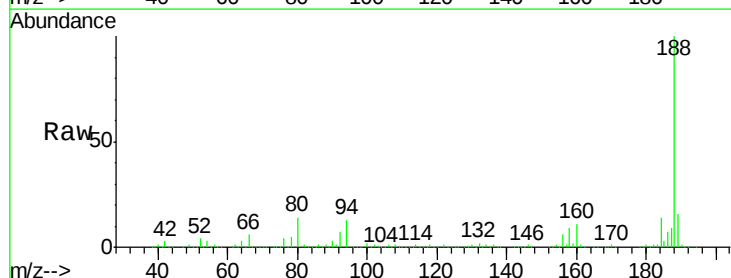
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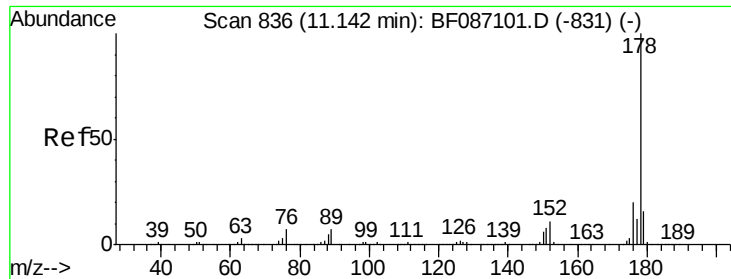
umangi  
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#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.07 min Scan# 830  
 Delta R.T. -0.01 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 502539 |       |       |
| 94      | 12.6  | 6.8    | 10.2# |       |
| 80      | 14.3  | 7.1    | 10.7# |       |





#70

Phenanthrene

Concen: 34.23 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

Instrument :

BNA\_F

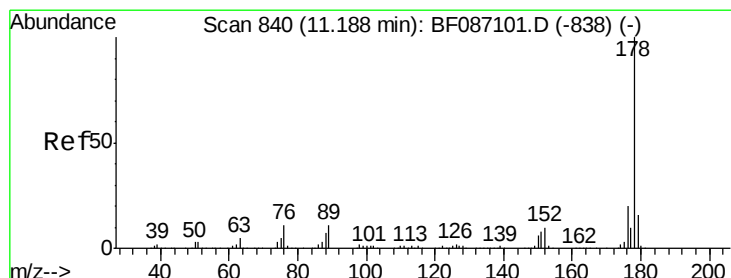
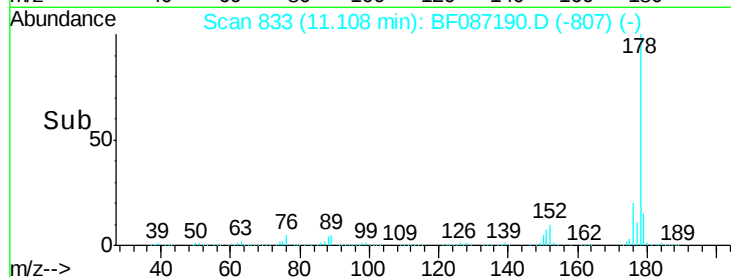
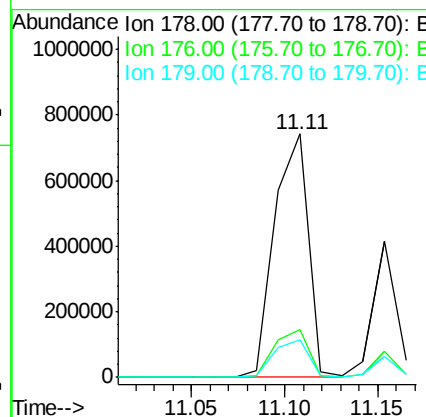
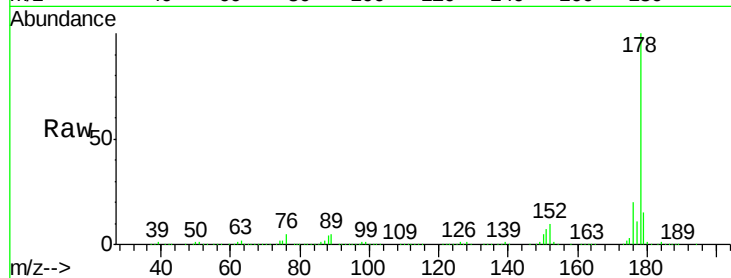
ClientSampleId :

NYSEG-CLARK-ST-ESMI-7DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 932932 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 16.0  | 24.0   |
| 179       | 15.3  | 12.6  | 18.8   |

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#71

Anthracene

Concen: 13.49 ng

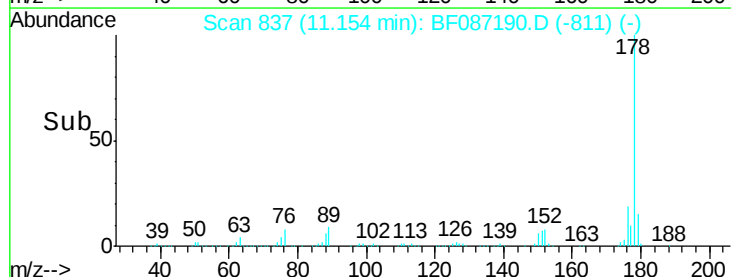
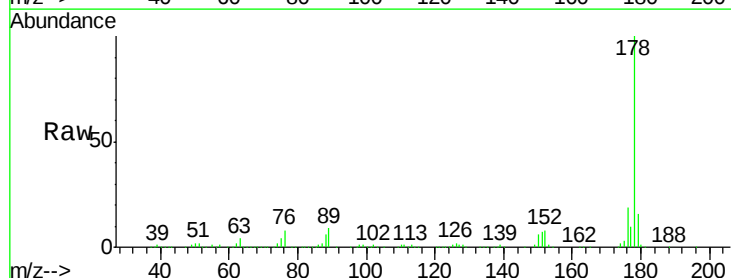
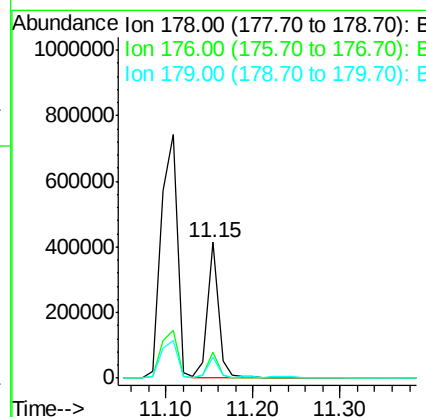
RT: 11.15 min Scan# 837

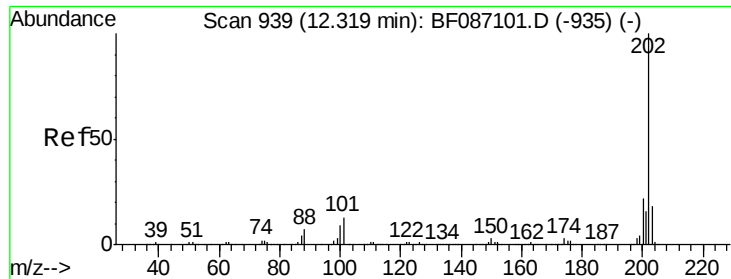
Delta R.T. -0.00 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 371980 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.9  | 15.6  | 23.4   |
| 179       | 15.6  | 12.7  | 19.1   |





#74

Fluoranthene

Concen: 14.65 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF087190.D

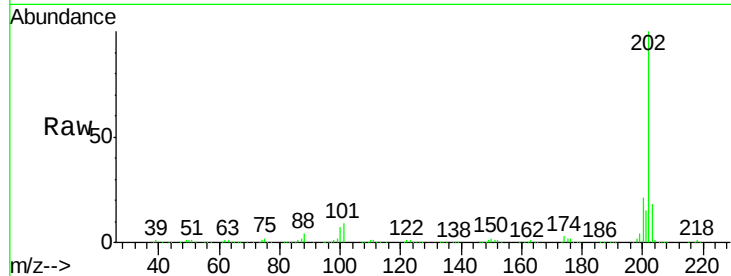
Acq: 19 May 2016 16:42

Instrument :

BNA\_F

ClientSampleId :

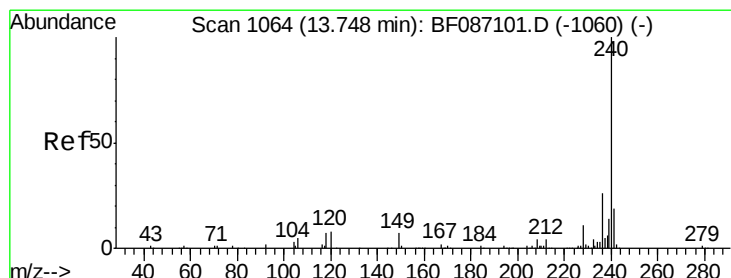
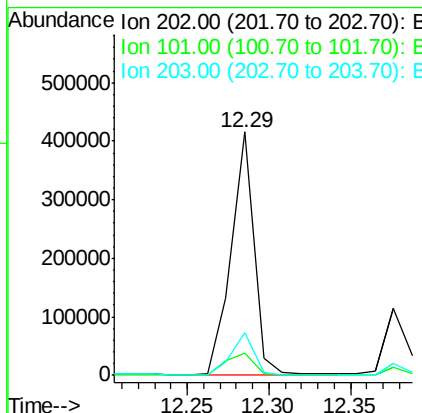
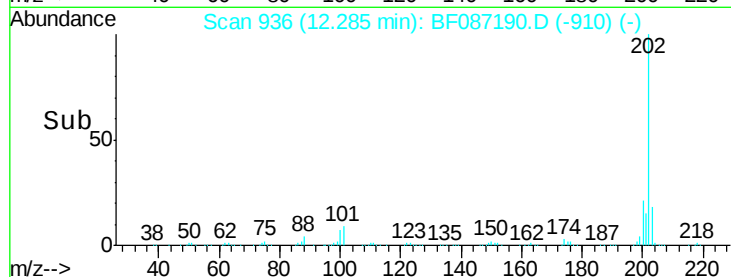
NYSEG-CLARK-ST-ESMI-7DL



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 8.9   | 0.0        | 35.4       |
| 203     | 17.6  | 0.0        | 38.1       |

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#75

Chrysene-d12

Concen: 20.00 ng

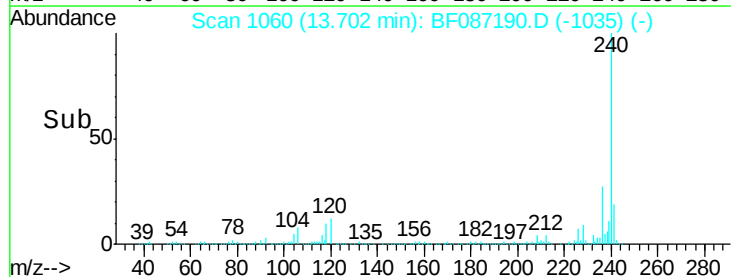
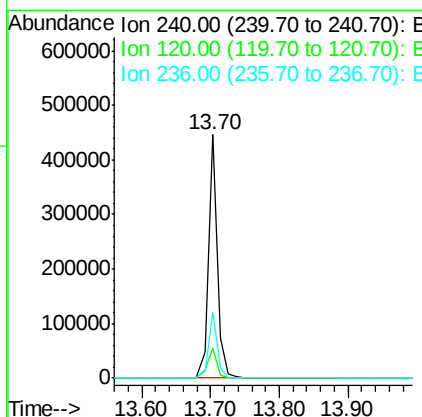
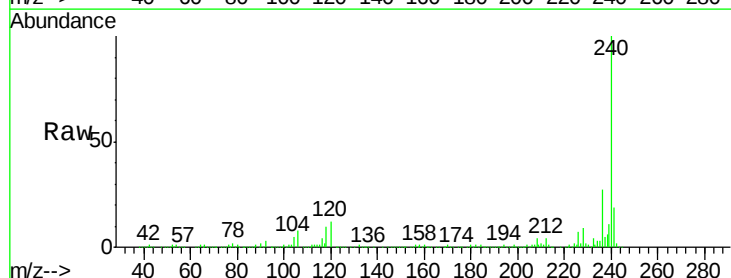
RT: 13.70 min Scan# 1060

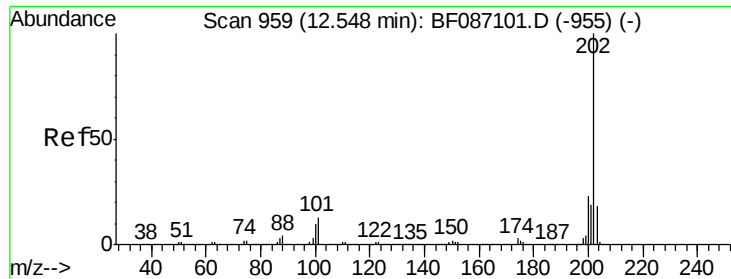
Delta R.T. -0.01 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 12.1  | 11.2       | 16.8       |
| 236     | 27.1  | 21.2       | 31.8       |





#77

Pyrene

Concen: 18.36 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

Instrument :

BNA\_F

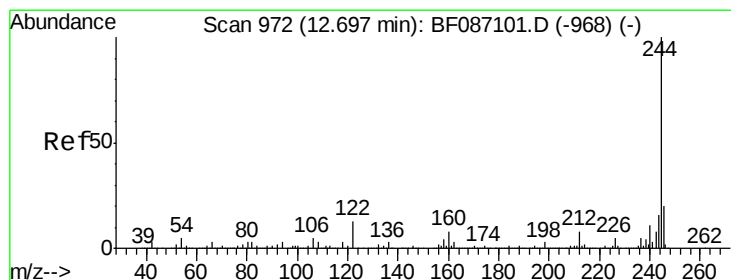
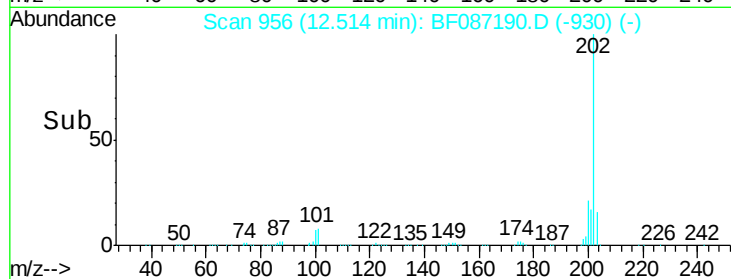
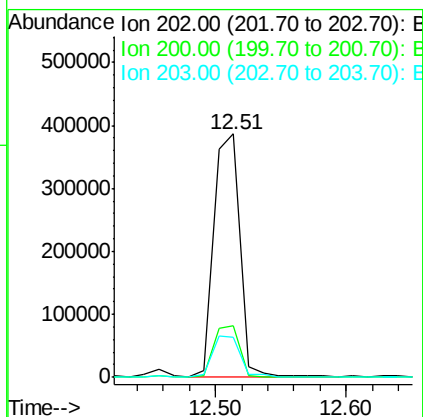
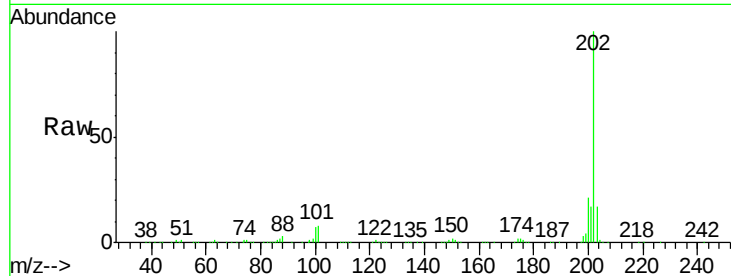
ClientSampleId :

NYSEG-CLARK-ST-ESMI-7DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 535041 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.0  | 17.7  | 26.5   |
| 203       | 16.7  | 14.2  | 21.4   |

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#78

Terphenyl-d14

Concen: 0.90 ng

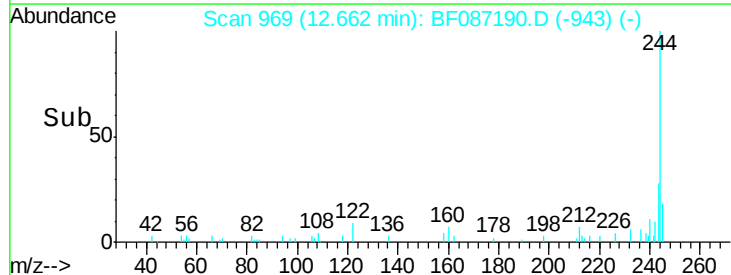
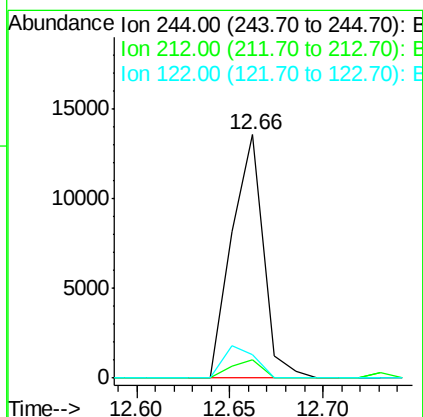
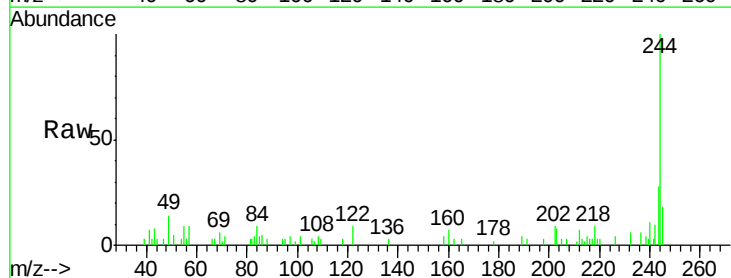
RT: 12.66 min Scan# 969

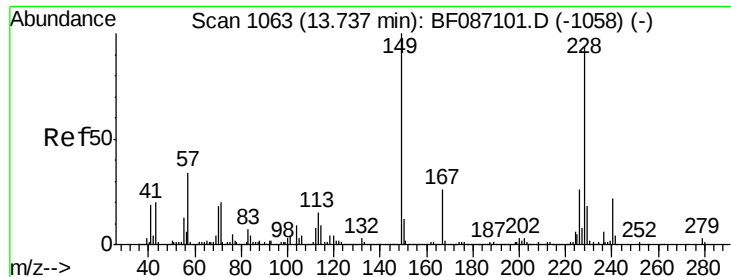
Delta R.T. -0.00 min

Lab File: BF087190.D

Acq: 19 May 2016 16:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 15996 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.5   | 6.2   | 9.2   |
| 122       | 9.4   | 12.0  | 18.0# |





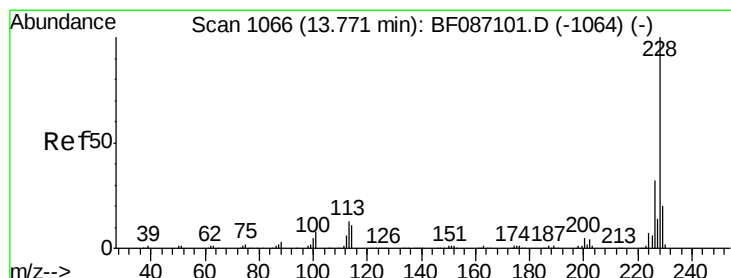
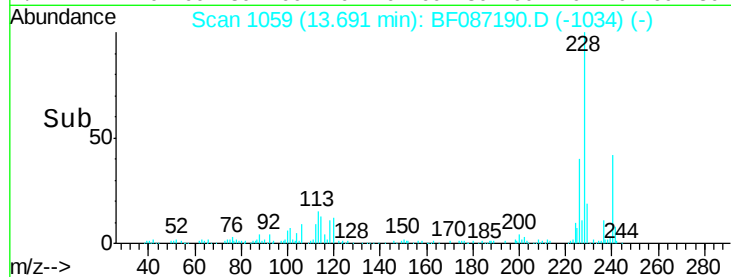
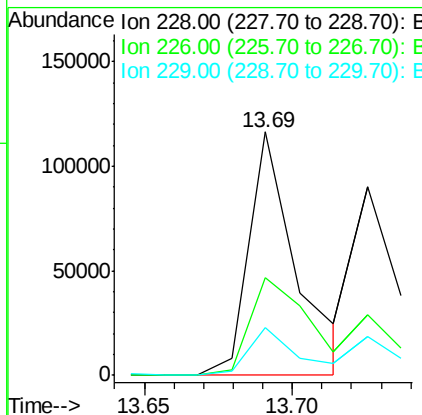
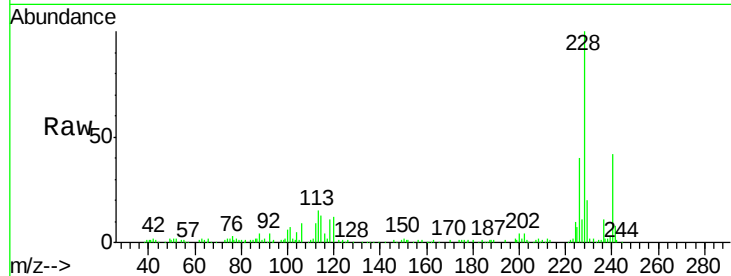
#80  
 Benzo(a)anthracene  
 Concen: 5.54 ng m  
 RT: 13.69 min Scan# 1059  
 Delta R.T. -0.01 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-CLARK-ST-ESMI-7DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 40.0  | 22.5  | 33.7# |
| 229     | 19.8  | 16.6  | 25.0  |

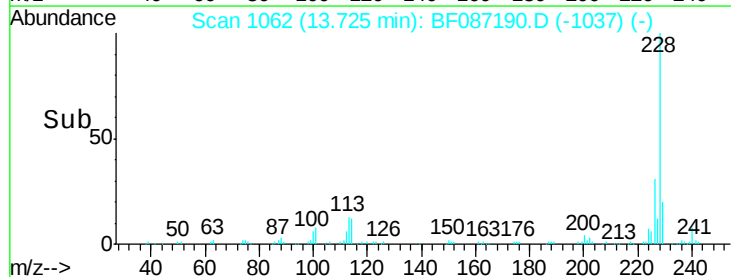
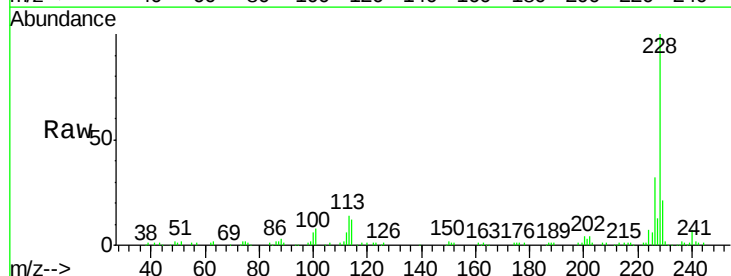
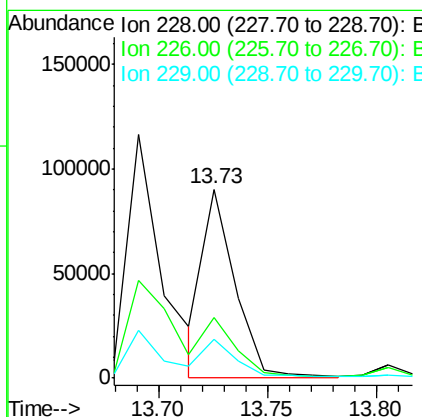
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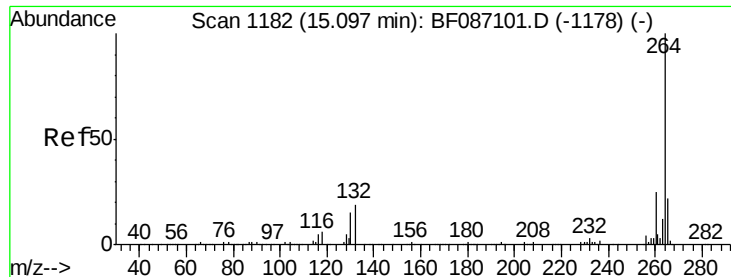
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#82  
 Chrysene  
 Concen: 4.09 ng  
 RT: 13.73 min Scan# 1062  
 Delta R.T. -0.01 min  
 Lab File: BF087190.D  
 Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.8  | 24.4  | 36.6  |
| 229     | 20.6  | 15.8  | 23.8  |





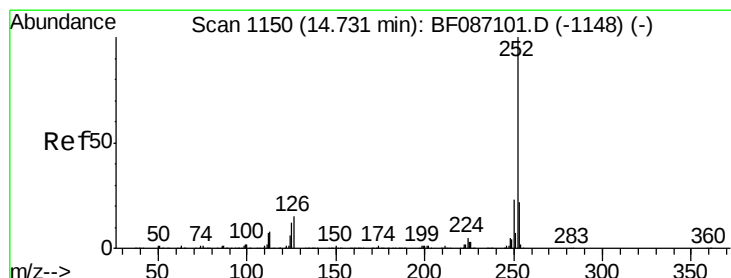
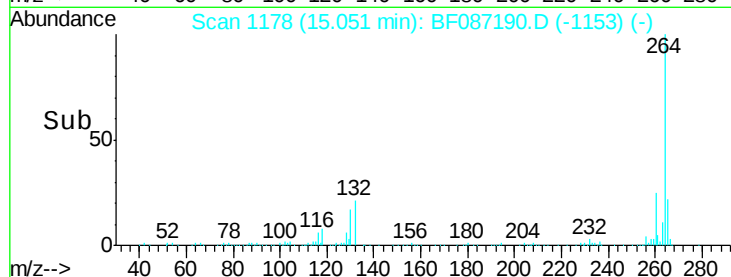
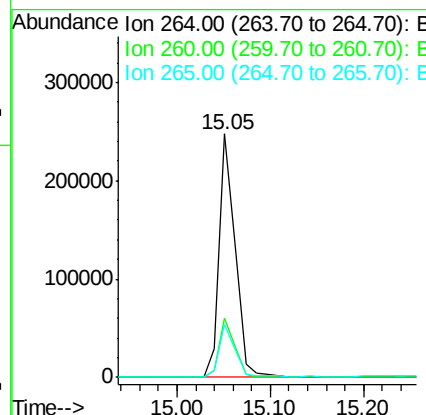
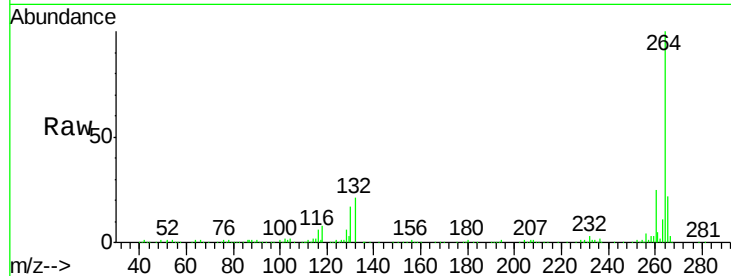
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.05 min Scan# 1178  
Delta R.T. -0.01 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 293752 |       |       |
| 260     | 24.6  | 19.5   | 29.3  |       |
| 265     | 21.7  | 17.3   | 25.9  |       |

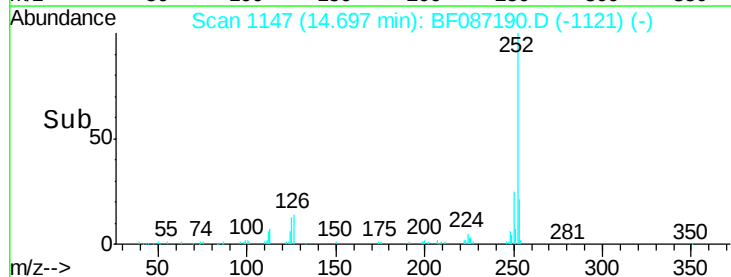
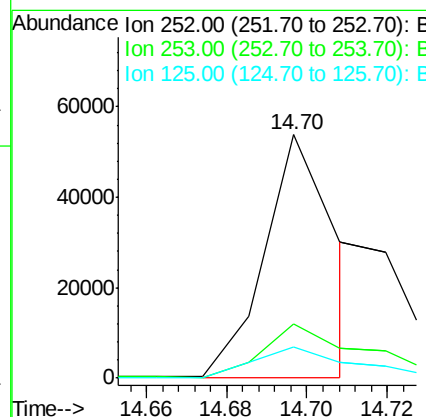
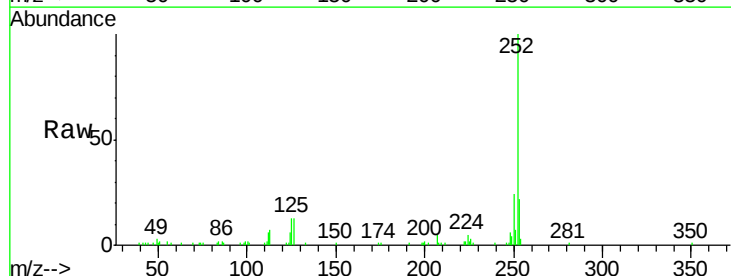
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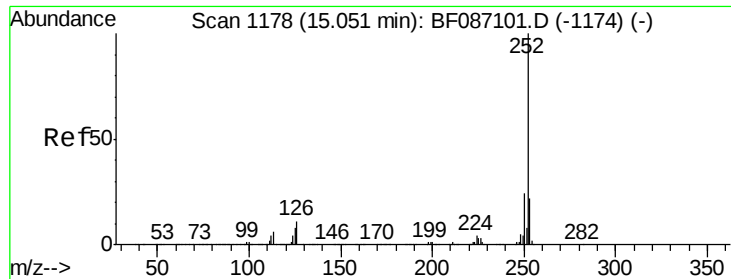
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#87  
Benzo(b)fluoranthene  
Concen: 3.44 ng m  
RT: 14.70 min Scan# 1147  
Delta R.T. 0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 66950 |       |       |
| 253     | 22.2  | 17.8  | 26.6  |       |
| 125     | 13.0  | 11.4  | 17.0  |       |





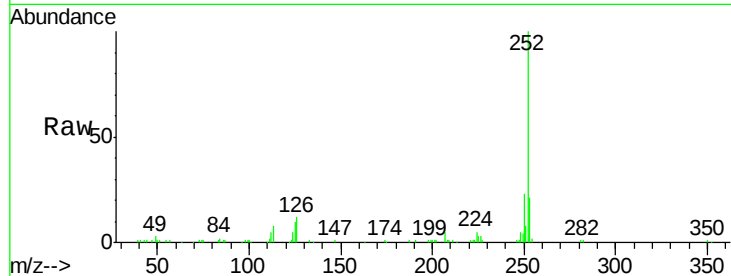
#89  
Benzo(a)pyrene  
Concen: 4.81 ng  
RT: 15.01 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-CLARK-ST-ESMI-7DL

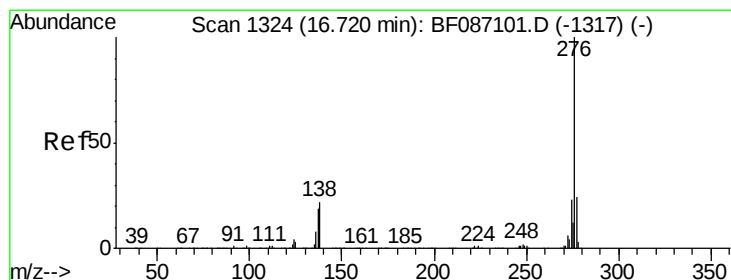
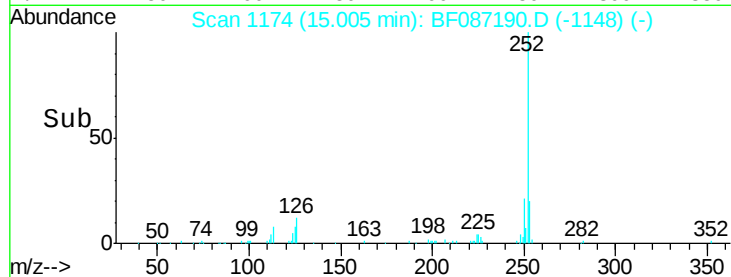
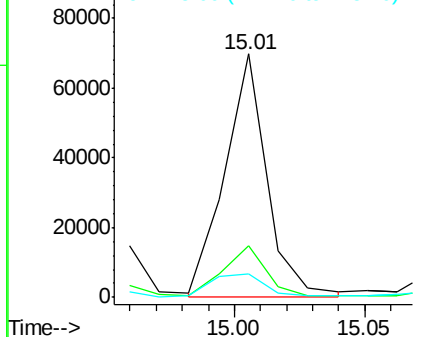
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 17.2  | 25.8  |
| 125     | 9.7   | 9.0   | 13.6  |

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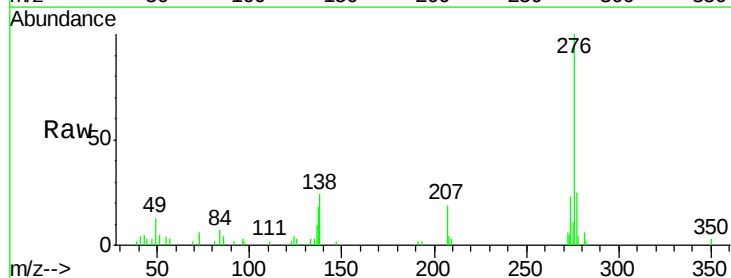


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 2.65 ng  
RT: 16.65 min Scan# 1318  
Delta R.T. -0.00 min  
Lab File: BF087190.D  
Acq: 19 May 2016 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.0  | 19.6  | 29.4  |
| 138     | 24.2  | 23.6  | 35.4  |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

