

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\  
 Data File : BF085248.D  
 Acq On : 5 Mar 2016 12:20  
 Operator : SJ/IZ  
 Sample : H1675-07 5X  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-004(0-2)

Manual Integrations  
 APPROVED

UMANGI  
 3/7/2016 9:33:43 AM

Quant Time: Mar 07 01:31:13 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 77738    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.25  | 136  | 301508   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.01 | 164  | 119846   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.50 | 188  | 195788   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.13 | 240  | 140131   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.60 | 264  | 136046   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 165543   | 35.72 | ng    | -0.01    |
| 7) Phenol-d6                | 6.58  | 99   | 249910   | 41.16 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 132212   | 23.47 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 12151    | 11.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 255708   | 32.45 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.08 | 244  | 156641   | 25.95 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 8.28  | 128  | 38961    | 2.63  | ng    | 98       |
| 49) Dimethylphthalate       | 9.72  | 163  | 32377    | 3.52  | ng    | 99       |
| 51) Acenaphthene            | 10.05 | 154  | 44862    | 6.08  | ng    | 98       |
| 54) Dibenzofuran            | 10.22 | 168  | 35342    | 3.66  | ng    | 91       |
| 57) Fluorene                | 10.56 | 166  | 34106    | 4.49  | ng    | 100      |
| 70) Phenanthrene            | 11.52 | 178  | 482566   | 47.03 | ng    | 97       |
| 71) Anthracene              | 11.57 | 178  | 134847   | 12.38 | ng    | 99       |
| 72) Carbazole               | 11.72 | 167  | 51537    | 5.40  | ng    | 96       |
| 74) Fluoranthene            | 12.71 | 202  | 694864   | 67.48 | ng    | 99       |
| 77) Pyrene                  | 12.94 | 202  | 639992   | 60.68 | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.13 | 228  | 345922   | 41.24 | ng    | 99       |
| 82) Chrysene                | 14.16 | 228  | 279335m  | 36.05 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 17.08 | 276  | 132631   | 21.93 | ng    | 92       |
| 87) Benzo(b)fluoranthene    | 15.18 | 252  | 374485m  | 41.30 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.20 | 252  | 124062m  | 16.96 | ng    |          |
| 89) Benzo(a)pyrene          | 15.55 | 252  | 231539   | 30.81 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 17.09 | 278  | 34243    | 5.34  | ng    | 96       |
| 91) Benzo(g,h,i)perylene    | 17.52 | 276  | 119906   | 18.59 | ng    | 98       |

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

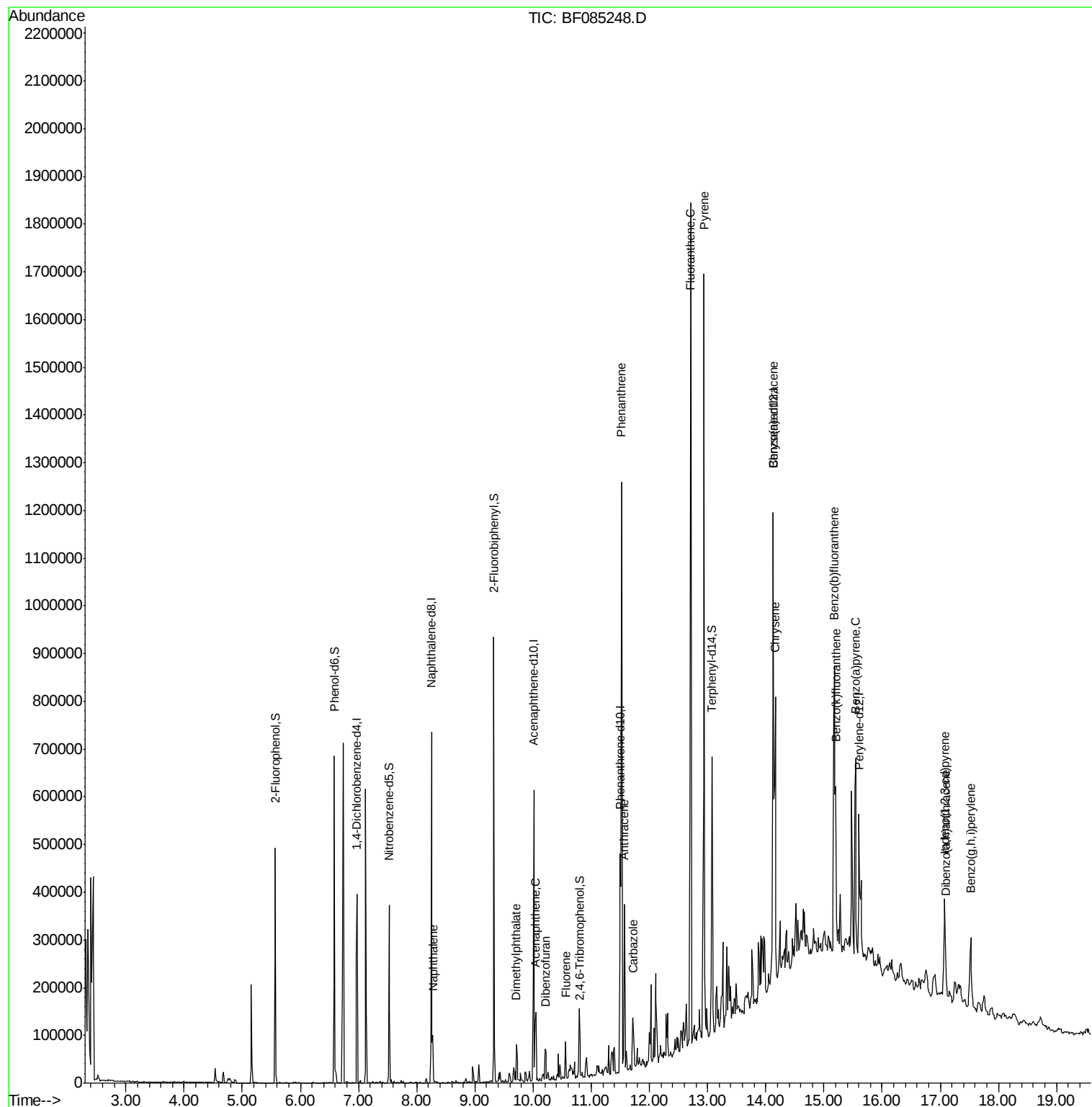
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\  
Data File : BF085248.D  
Acq On : 5 Mar 2016 12:20  
Operator : SJ/IZ  
Sample : H1675-07 5X  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

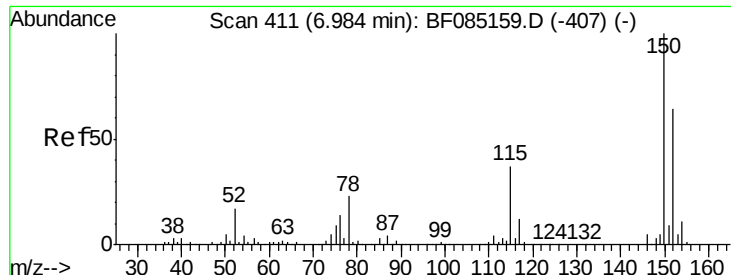
Instrument :  
BNA\_F  
ClientSampleId :  
SP-004(0-2)

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3/7/2016 9:33:43 AM

Quant Time: Mar 07 01:31:13 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

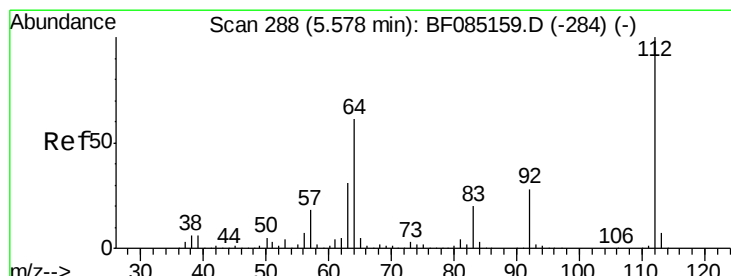
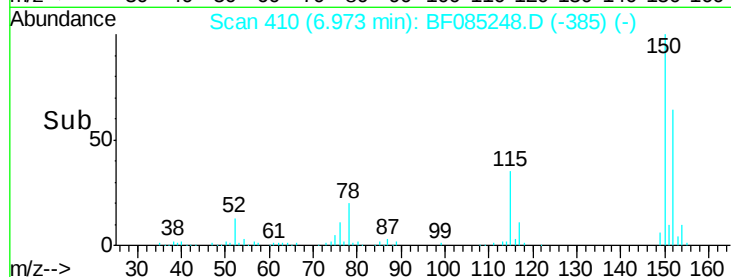
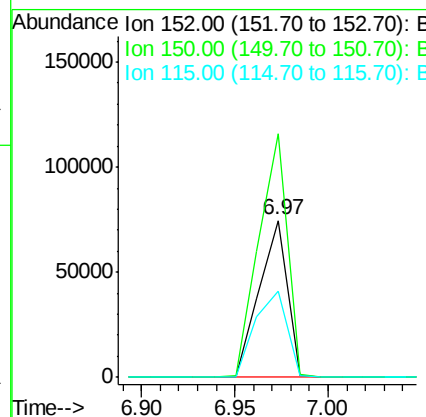
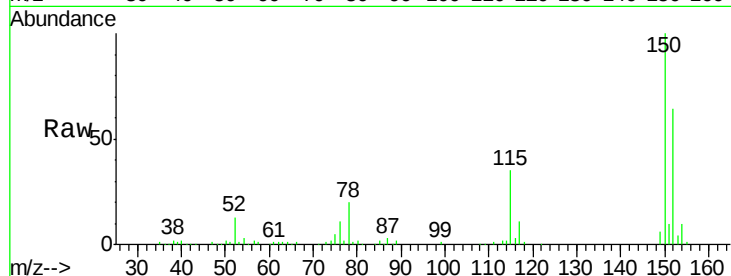
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.97 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 124.6 | 186.8 |
| 115     | 54.6  | 46.6  | 70.0  |

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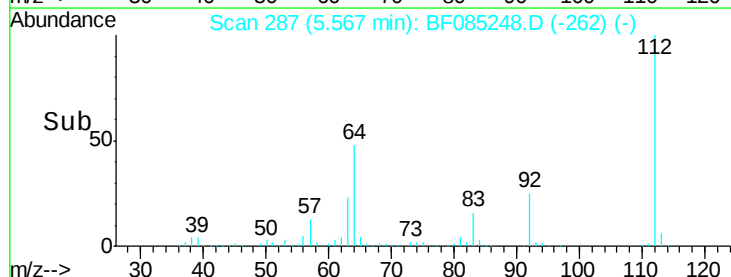
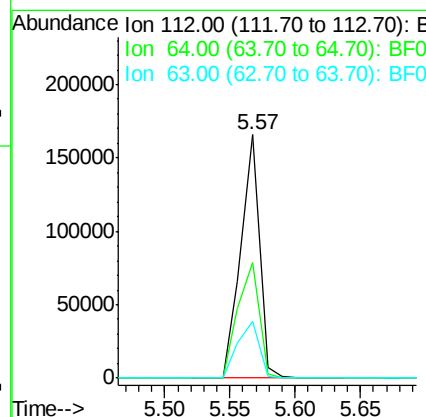
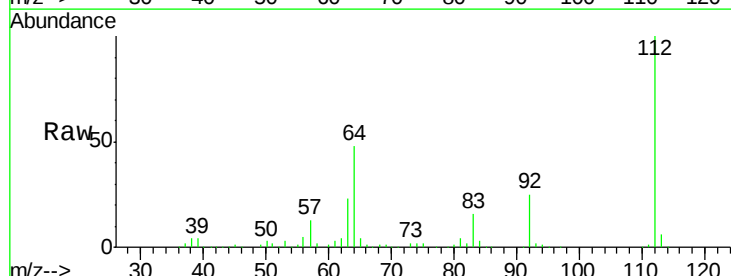
UMANGI  
3/7/2016 9:33:43 AM

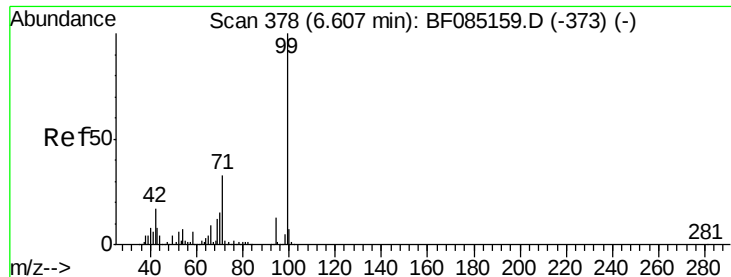


#5

2-Fluorophenol  
Concen: 35.72 ng  
RT: 5.57 min Scan# 287  
Delta R.T. -0.01 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.6  | 49.0  | 73.4# |
| 63      | 23.4  | 24.8  | 37.2# |





#7

Phenol-d6

Concen: 41.16 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

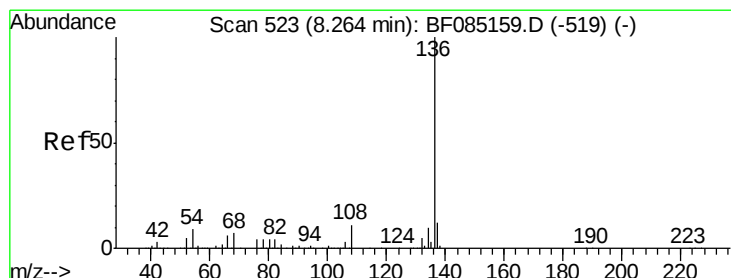
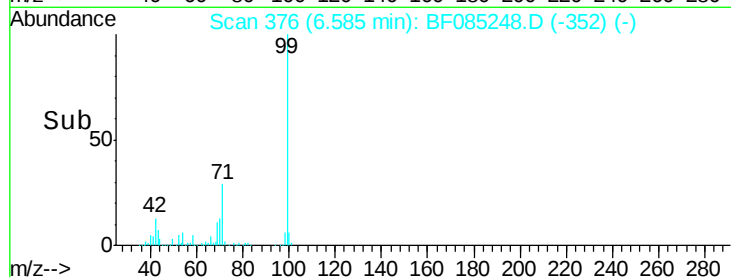
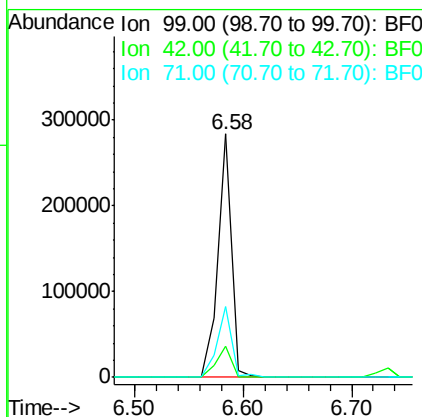
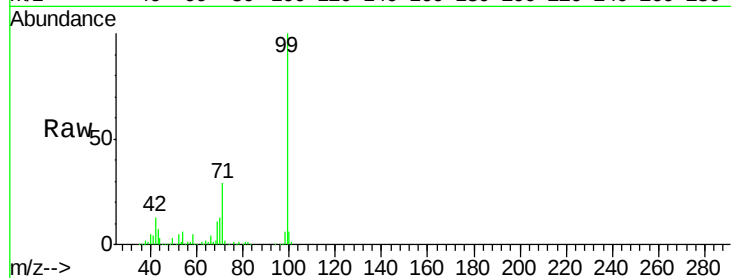
ClientSampleId :

SP-004(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 249910 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 12.9  | 13.6  | 20.4#  |
| 71        | 29.1  | 26.7  | 40.1   |

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#21

Naphthalene-d8

Concen: 20.00 ng

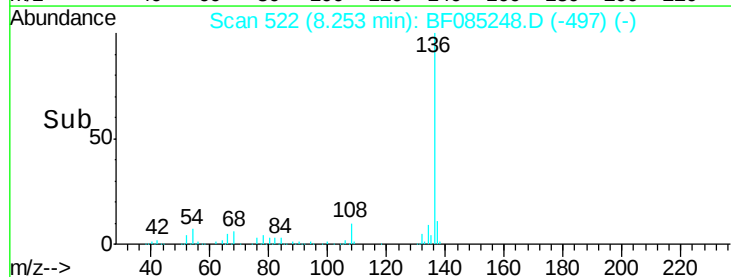
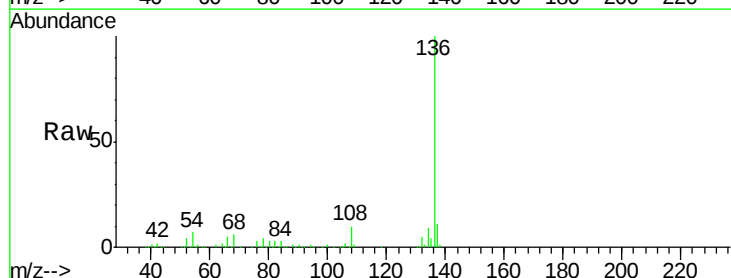
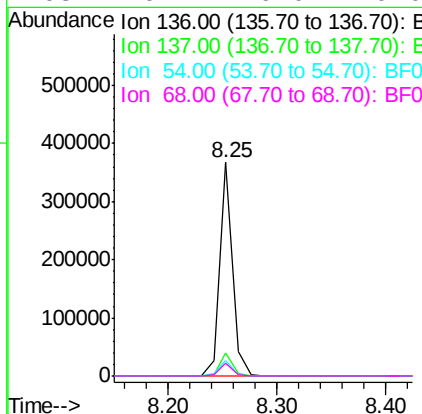
RT: 8.25 min Scan# 522

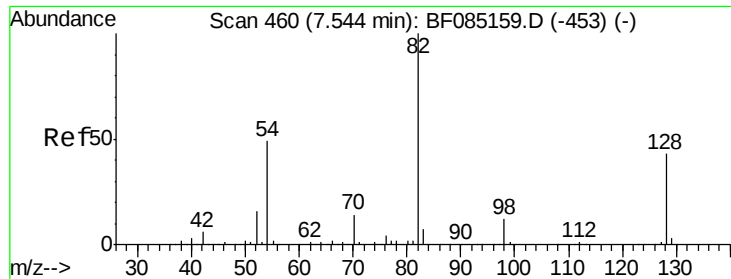
Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 301508 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 9.3   | 13.9   |
| 54        | 7.4   | 7.4   | 11.2#  |
| 68        | 6.2   | 6.0   | 9.0    |





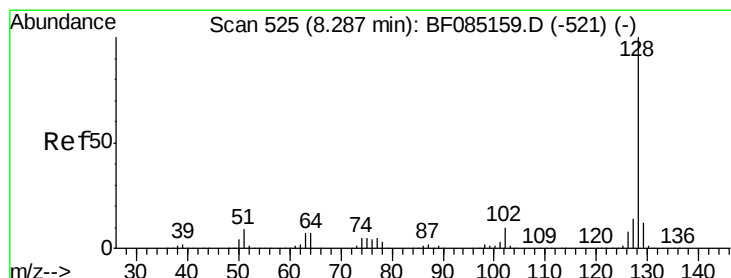
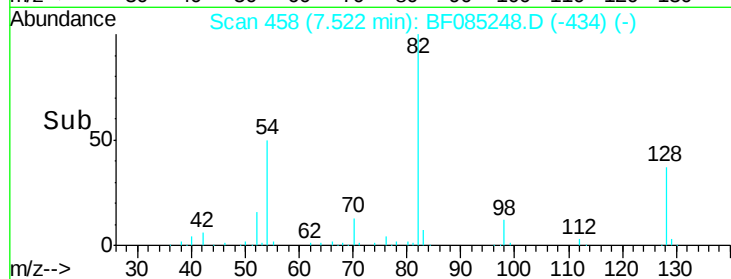
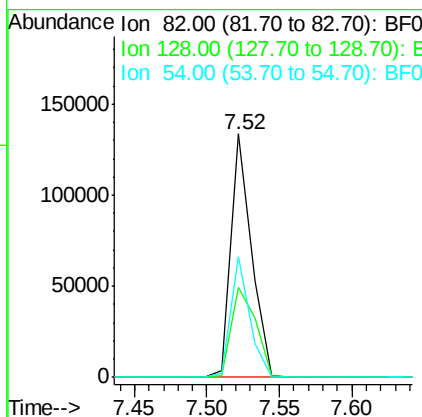
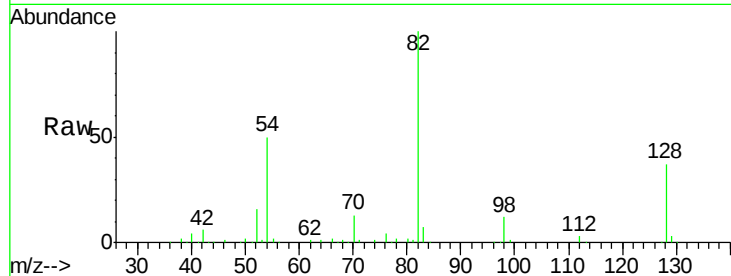
#23  
 Nitrobenzene-d5  
 Concen: 23.47 ng  
 RT: 7.52 min Scan# 458  
 Delta R.T. -0.02 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.0  | 34.5  | 51.7  |
| 54      | 49.5  | 39.3  | 58.9  |

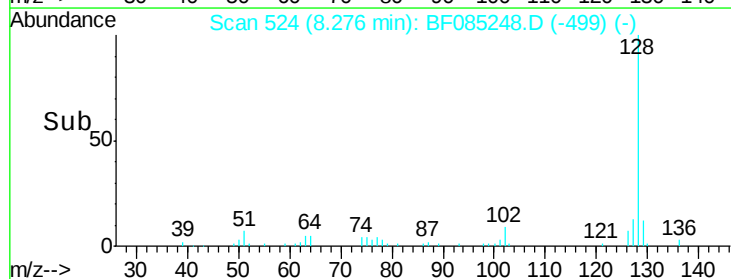
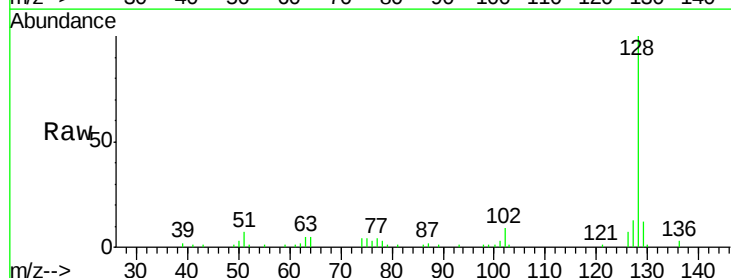
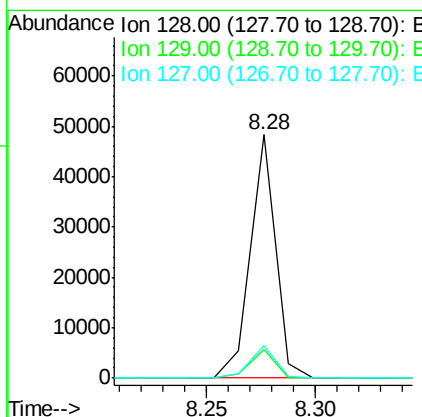
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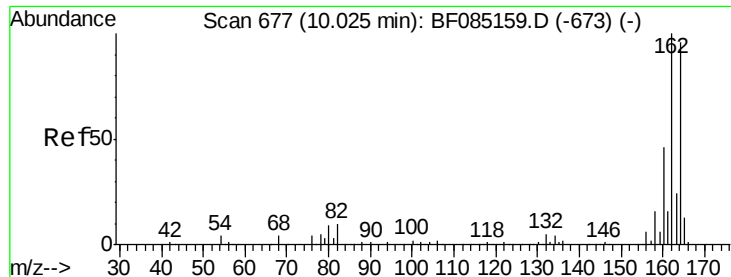
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#31  
 Naphthalene  
 Concen: 2.63 ng  
 RT: 8.28 min Scan# 524  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.5  | 9.7   | 14.5  |
| 127     | 13.4  | 11.2  | 16.8  |





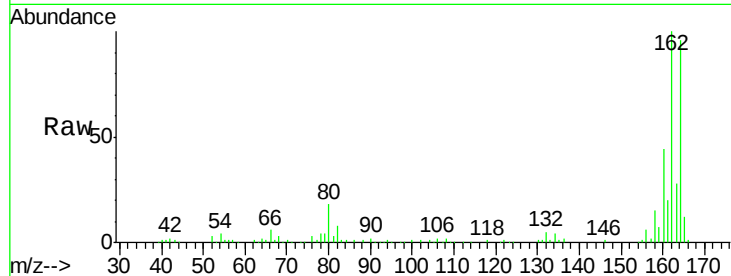
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.01 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-004(0-2)

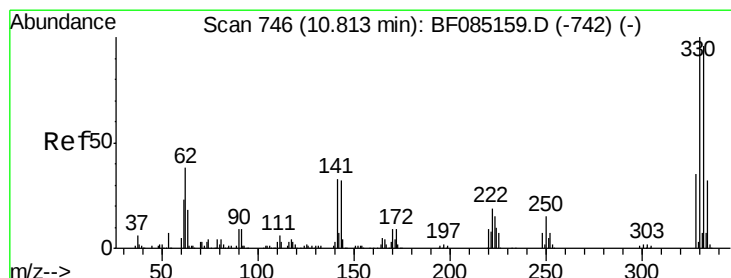
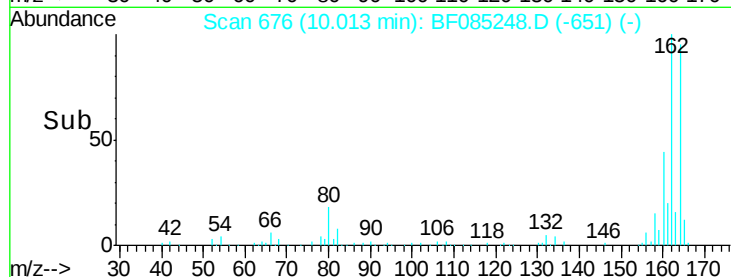
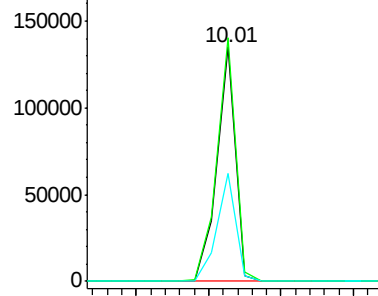
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 103.9 | 83.3 | 124.9 |       |
| 160     | 46.2  | 37.9 | 56.9  |       |

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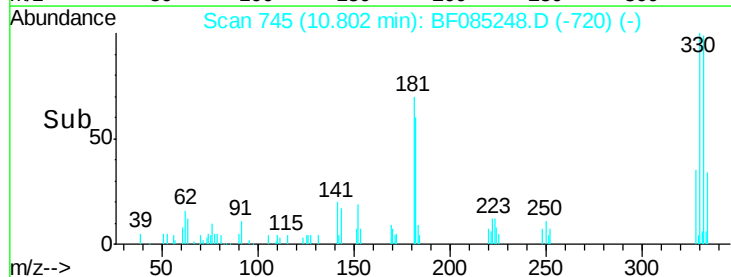
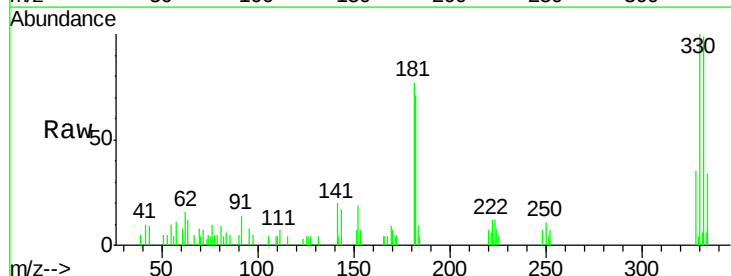
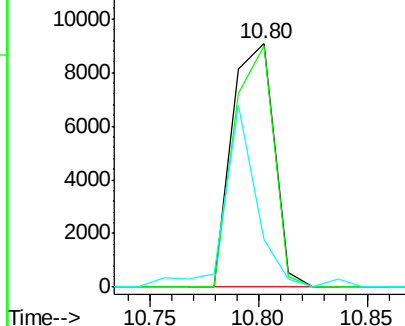
Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

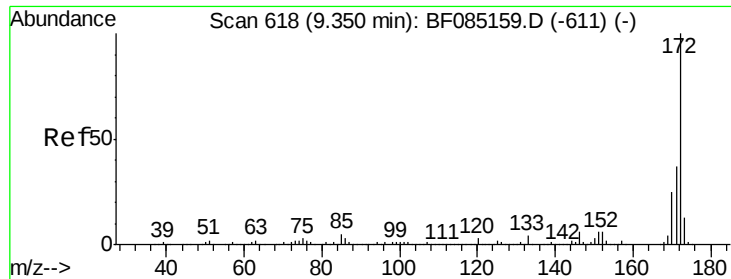


#41  
 2,4,6-Tribromophenol  
 Concen: 11.85 ng  
 RT: 10.80 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 93.8  | 77.1 | 115.7 |       |
| 141     | 58.5  | 35.0 | 52.6  |       |

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





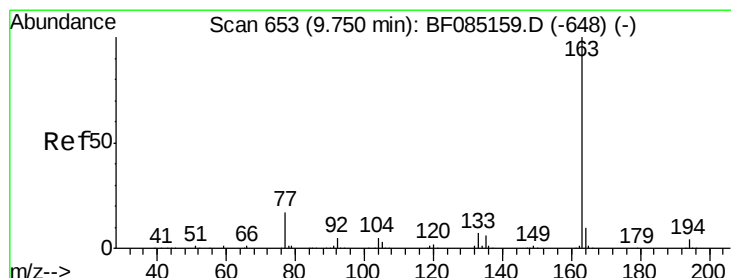
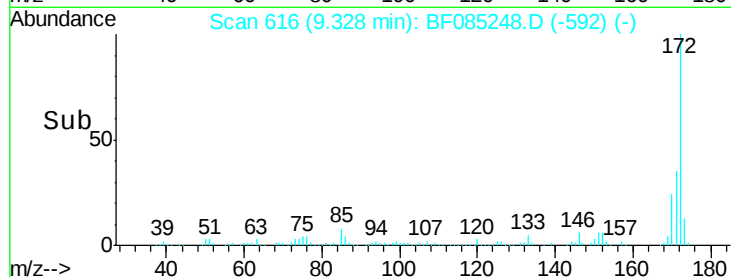
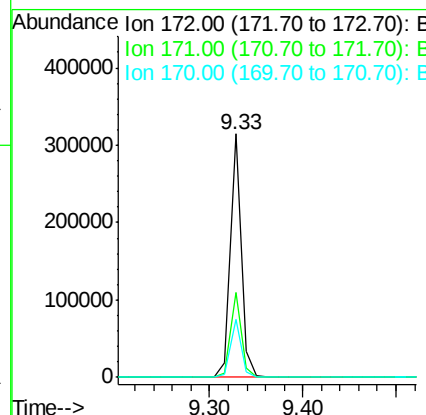
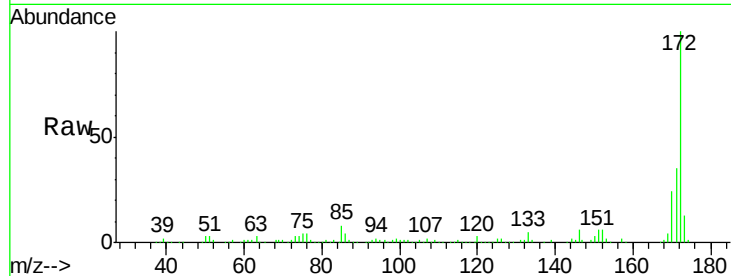
#44  
2-Fluorobiphenyl  
Concen: 32.45 ng  
RT: 9.33 min Scan# 616  
Delta R.T. -0.02 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 29.3  | 43.9  |
| 170     | 23.8  | 20.0  | 30.0  |

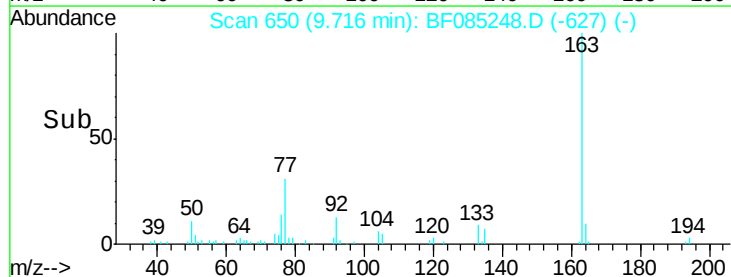
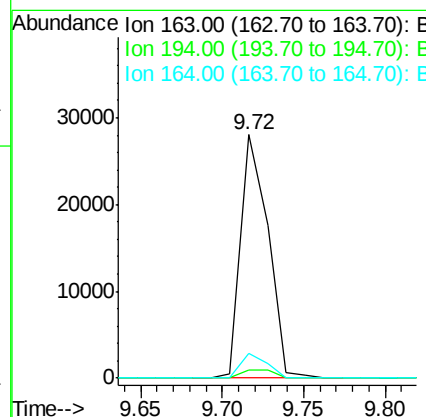
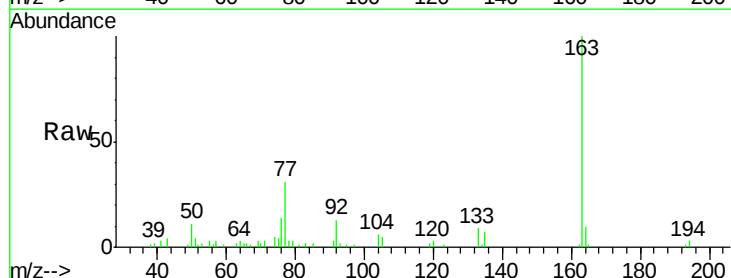
Manual Integrations  
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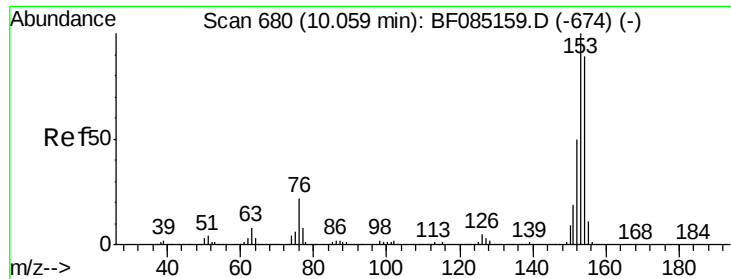
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#49  
Dimethylphthalate  
Concen: 3.52 ng  
RT: 9.72 min Scan# 650  
Delta R.T. -0.03 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.2   | 3.1   | 4.7   |
| 164     | 10.0  | 8.2   | 12.4  |





#51

Acenaphthene

Concen: 6.08 ng

RT: 10.05 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

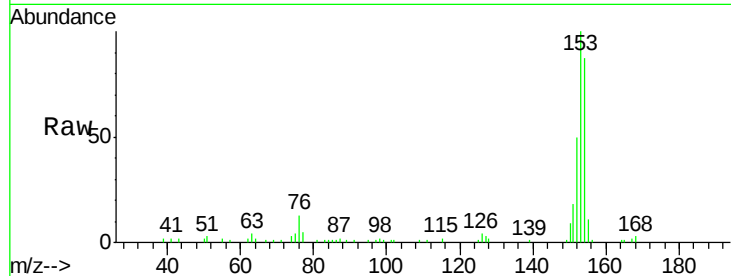
ClientSampleId :

SP-004(0-2)

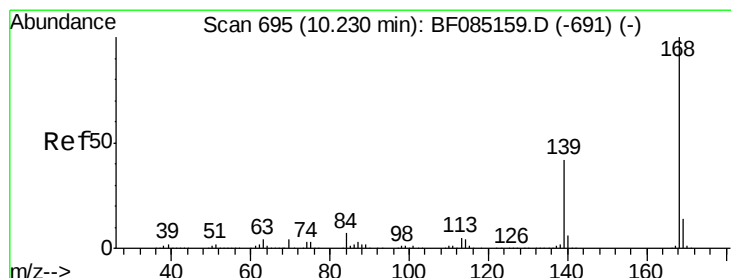
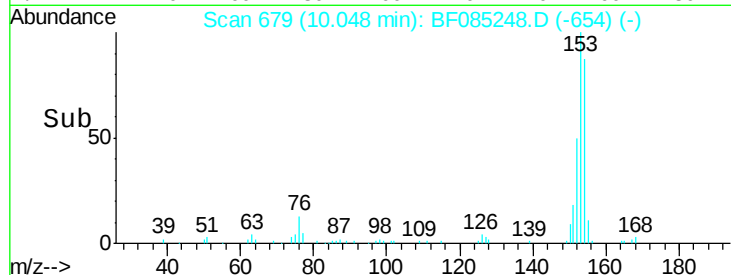
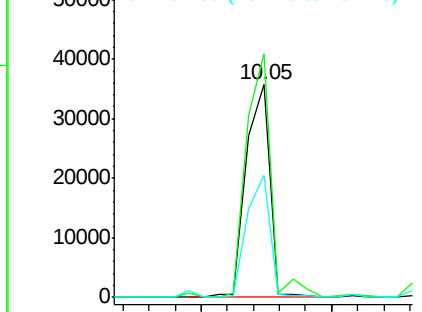
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 44862 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 114.5 | 89.8  | 134.8 |
| 152      | 57.6  | 44.6  | 66.8  |

Manual Integrations  
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.66 ng

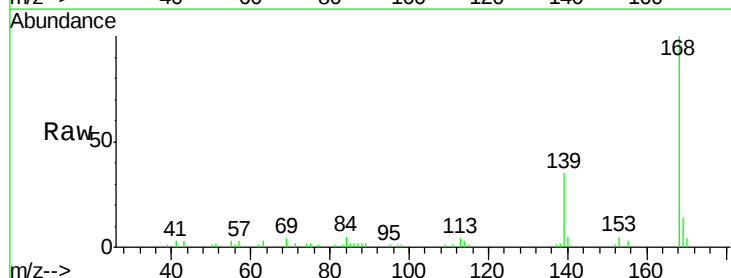
RT: 10.22 min Scan# 694

Delta R.T. -0.01 min

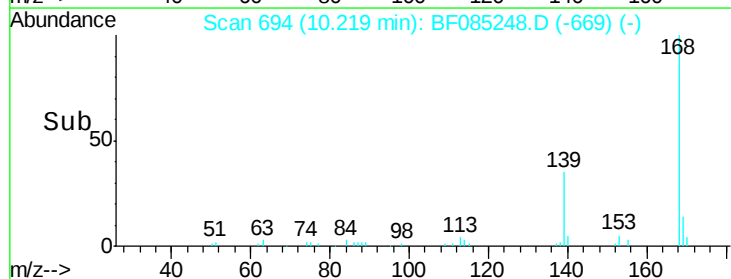
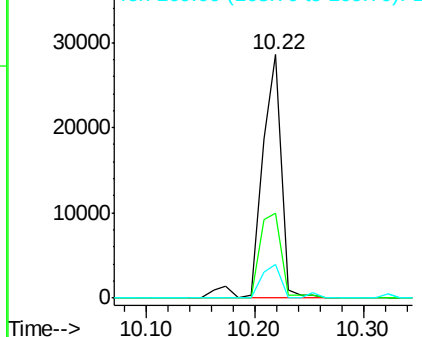
Lab File: BF085248.D

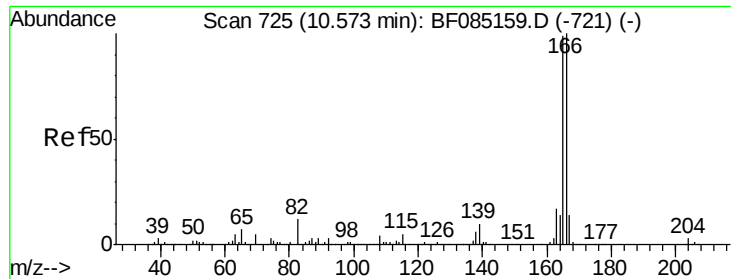
Acq: 5 Mar 2016 12:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 168   | Resp: | 35342 |
| Ion      | Ratio | Lower | Upper |
| 168      | 100   |       |       |
| 139      | 34.9  | 33.6  | 50.4  |
| 169      | 13.6  | 11.2  | 16.8  |



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





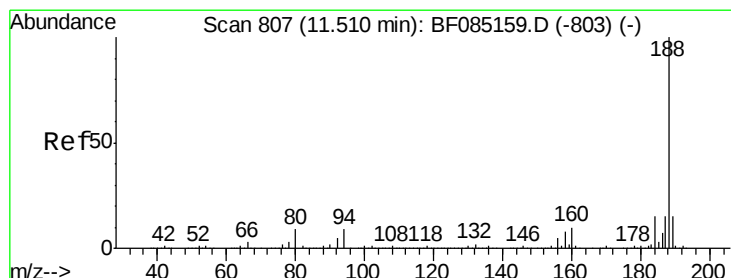
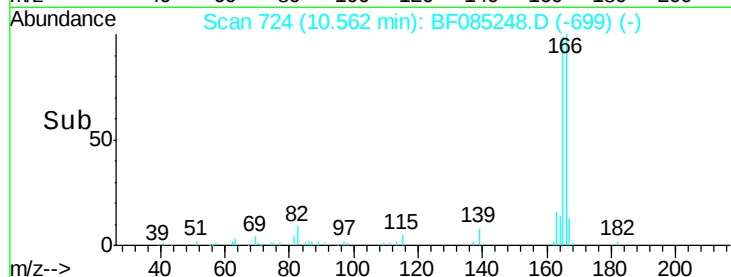
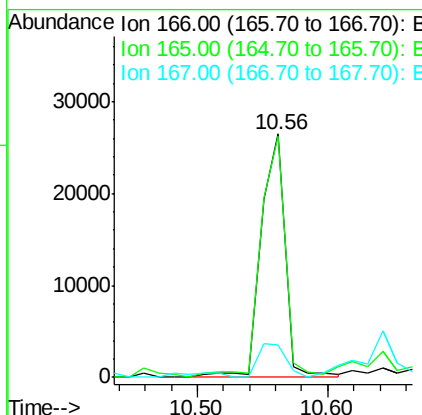
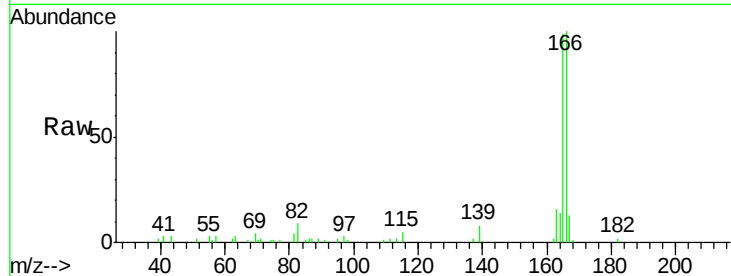
#57  
**Fluorene**  
 Concen: 4.49 ng  
 RT: 10.56 min Scan# 724  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.1  | 79.4  | 119.0 |
| 167     | 13.4  | 11.0  | 16.6  |

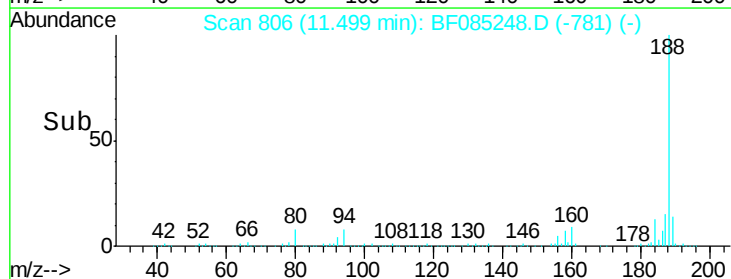
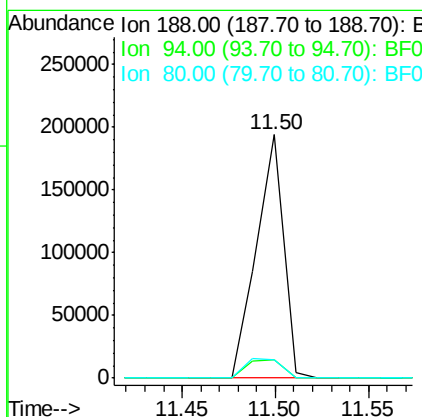
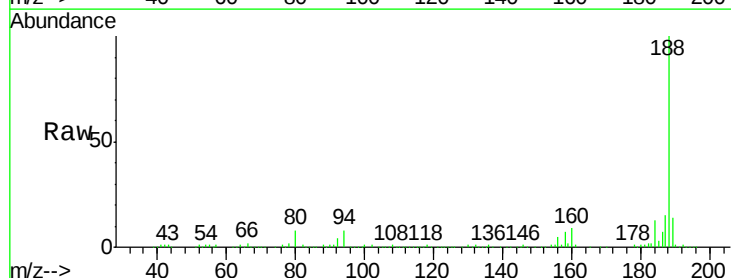
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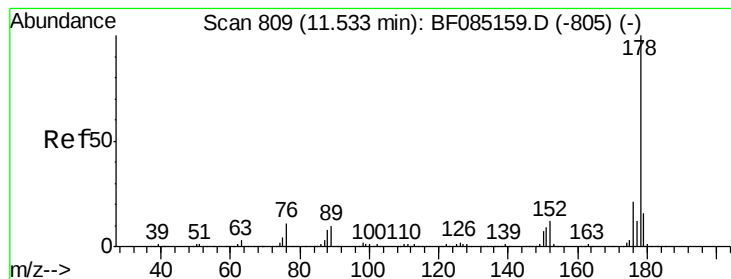
UMANGI  
 3/7/2016 9:33:43 AM



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.50 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 7.0   | 10.6  |
| 80      | 7.7   | 7.4   | 11.0  |





#70

Phenanthrene

Concen: 47.03 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

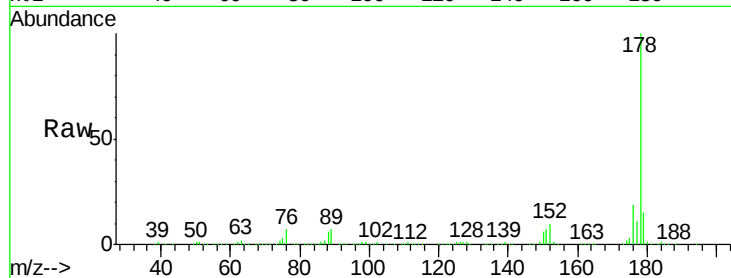
ClientSampleId :

SP-004(0-2)

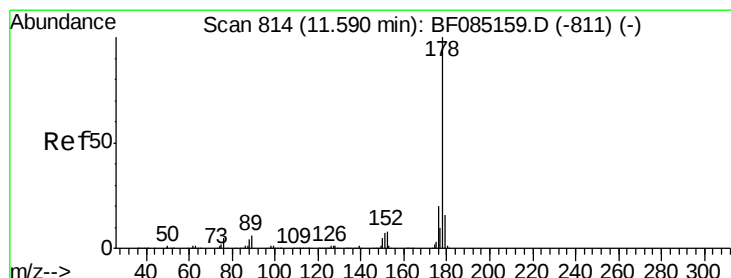
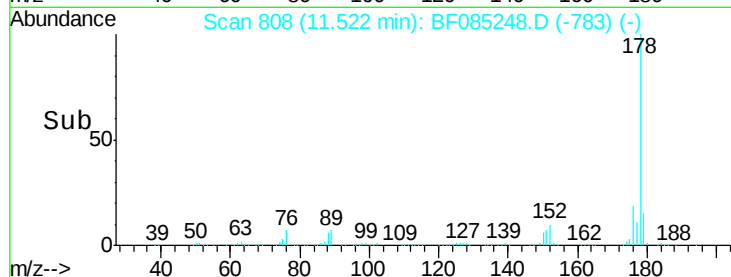
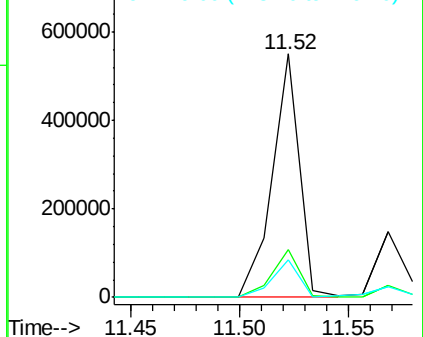
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 482566 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.4  | 16.8  | 25.2   |
| 179       | 15.2  | 13.1  | 19.7   |

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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.38 ng

RT: 11.57 min Scan# 812

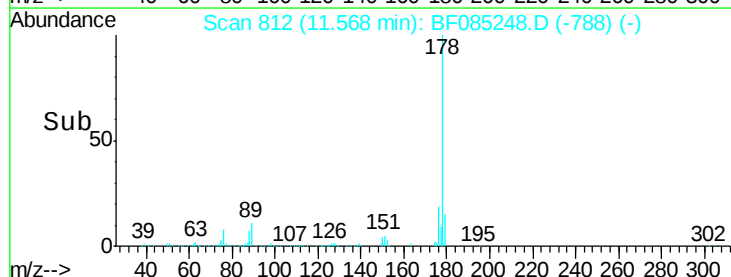
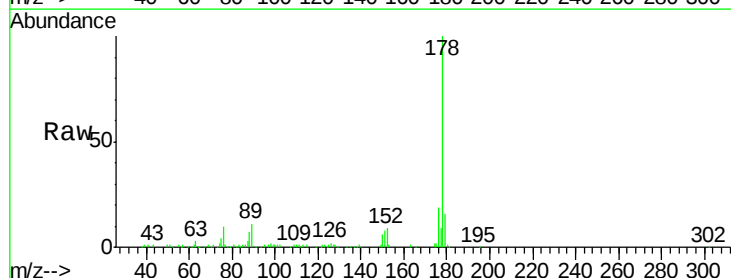
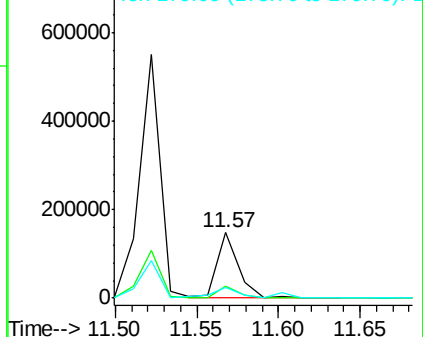
Delta R.T. -0.02 min

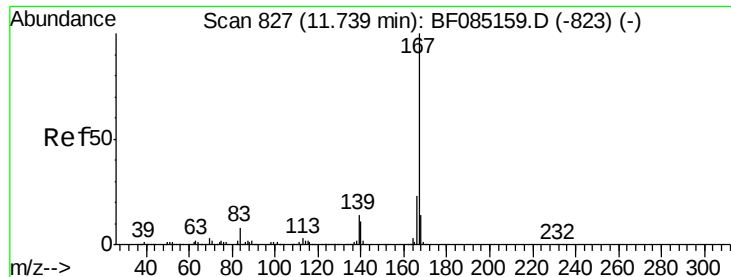
Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 134847 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.7  | 15.9  | 23.9   |
| 179       | 15.6  | 12.5  | 18.7   |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.40 ng

RT: 11.72 min Scan# 825

Delta R.T. -0.02 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

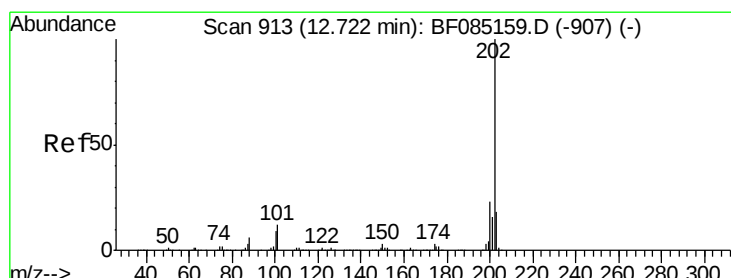
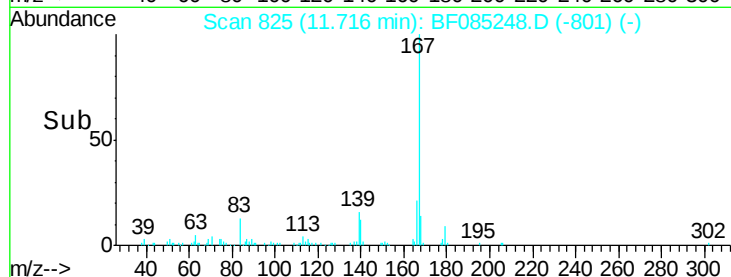
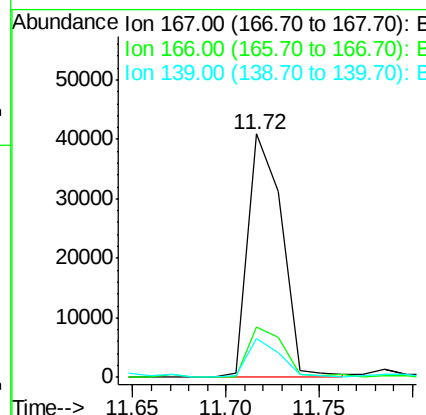
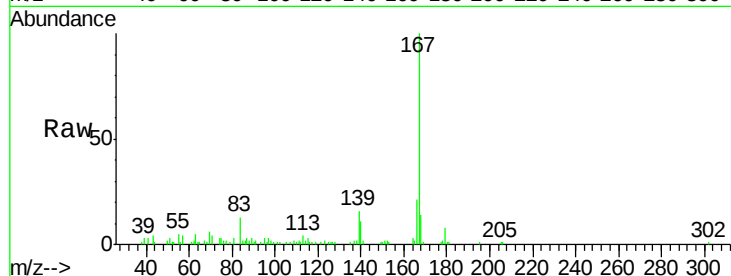
ClientSampled :

SP-004(0-2)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 167   | Resp: | 51537 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 20.7  | 18.2  | 27.2  |
| 139       | 15.8  | 11.4  | 17.0  |

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#74

Fluoranthene

Concen: 67.48 ng

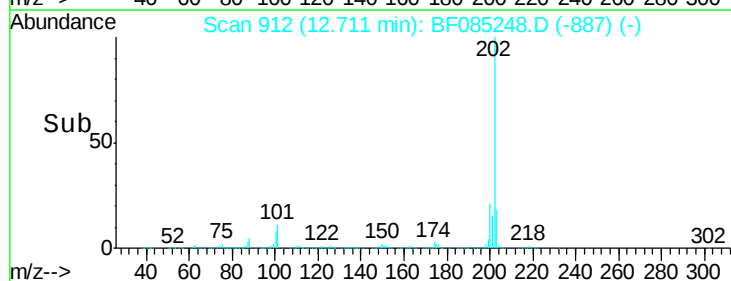
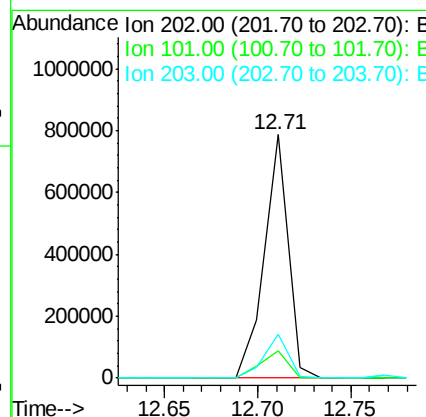
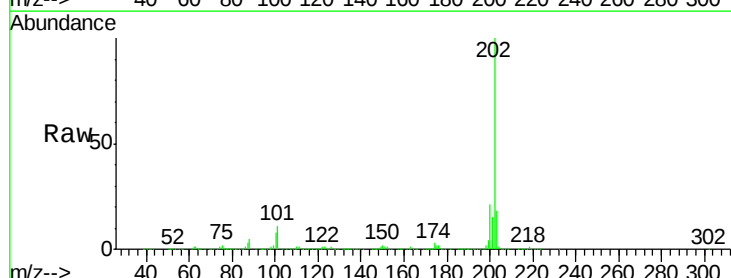
RT: 12.71 min Scan# 912

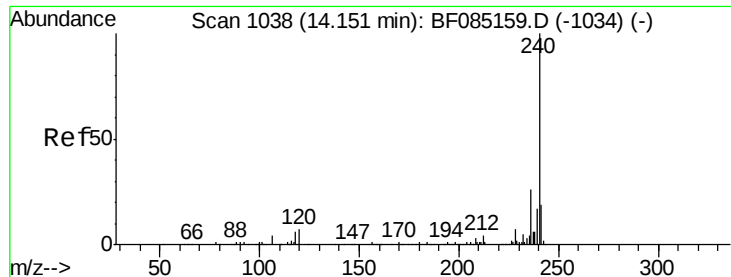
Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 694864 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.2  | 0.0   | 31.8   |
| 203       | 17.8  | 0.0   | 38.4   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

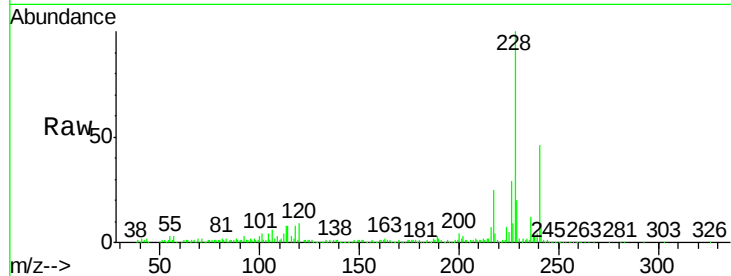
ClientSampleId :

SP-004(0-2)

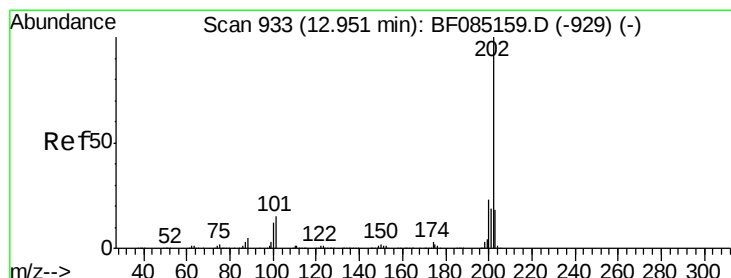
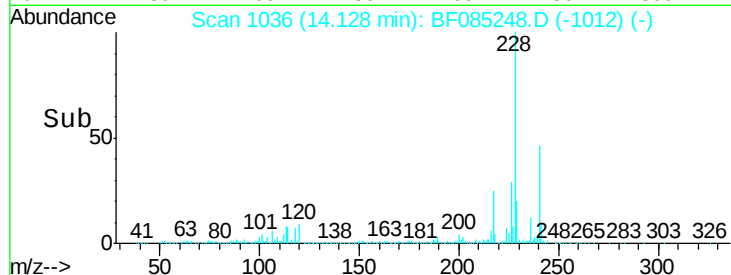
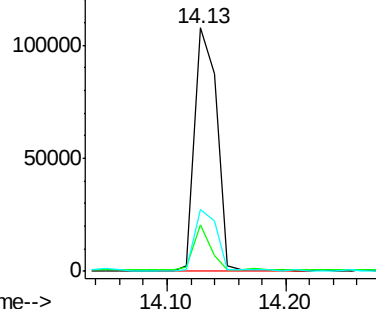
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 140131 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 19.2  | 5.3   | 7.9#   |
| 236       | 25.5  | 20.7  | 31.1   |

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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: 60.68 ng

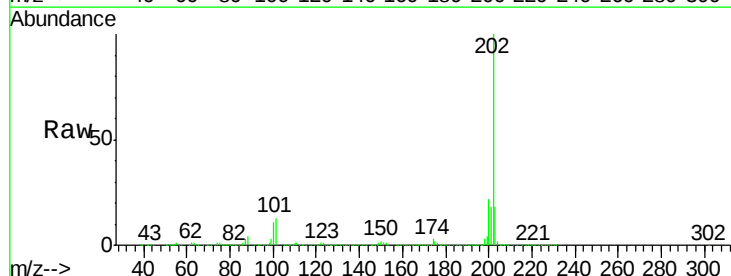
RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

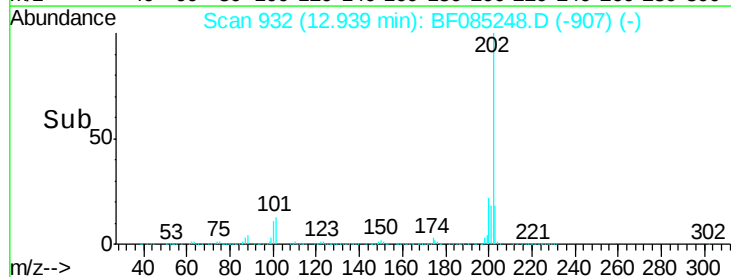
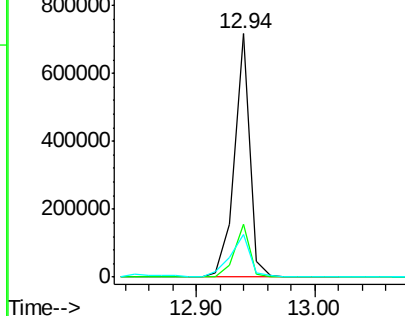
Lab File: BF085248.D

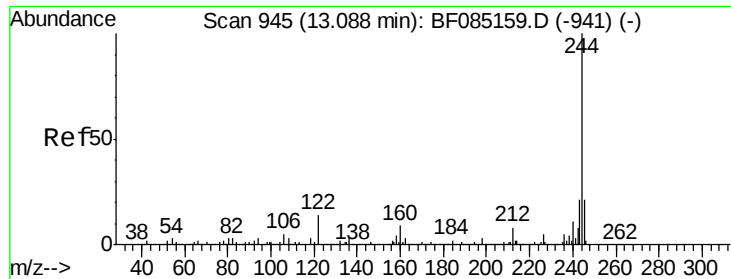
Acq: 5 Mar 2016 12:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 639992 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.5  | 18.2  | 27.4   |
| 203       | 17.7  | 14.7  | 22.1   |



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





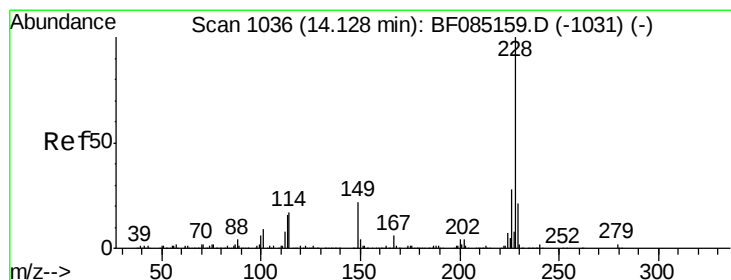
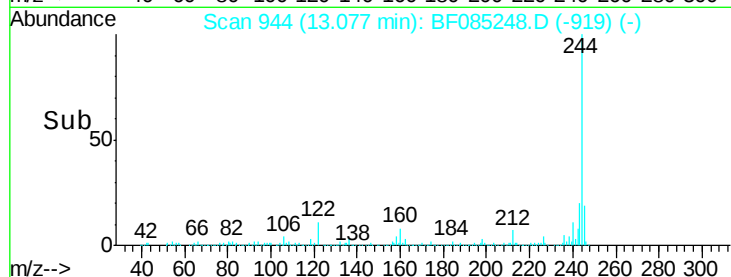
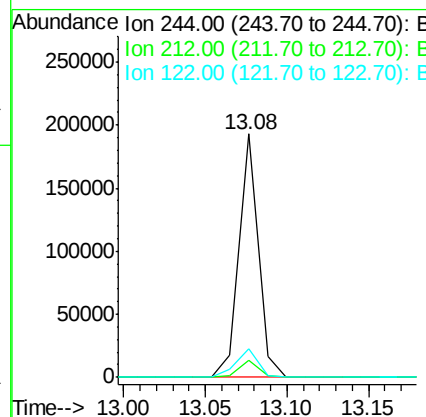
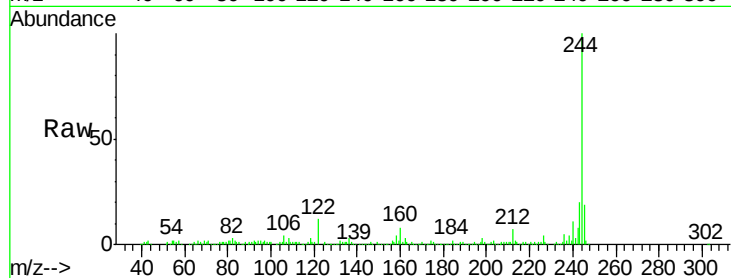
#78  
 Terphenyl-d14  
 Concen: 25.95 ng  
 RT: 13.08 min Scan# 944  
 Delta R.T. -0.01 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-004(0-2)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 156641 |       |       |
| 212     | 7.2   |        | 6.4   | 9.6   |
| 122     | 11.7  |        | 11.4  | 17.2  |

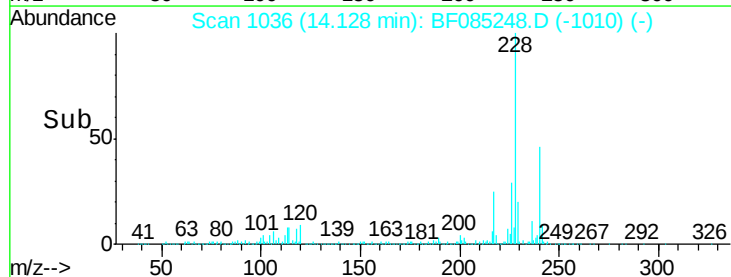
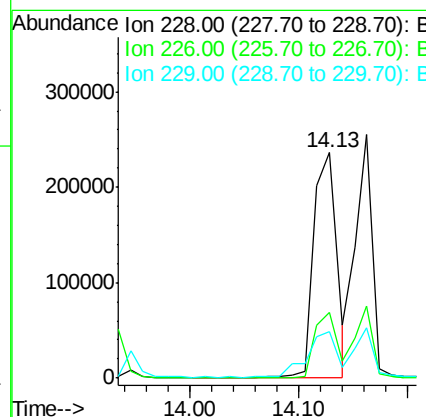
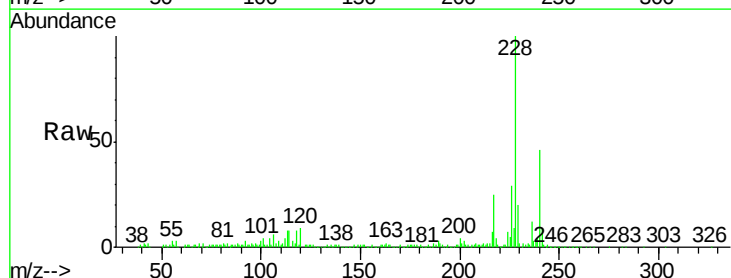
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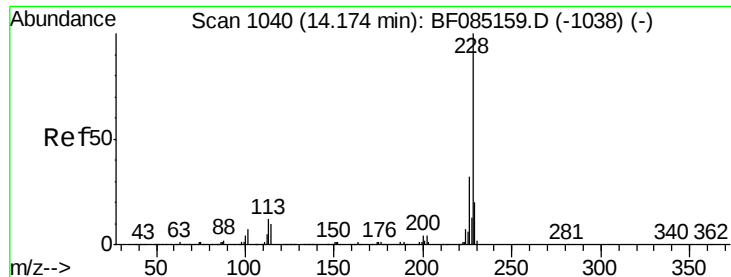
UMANGI  
 3/7/2016 9:33:43 AM



#80  
 Benzo(a)anthracene  
 Concen: 41.24 ng  
 RT: 14.13 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: BF085248.D  
 Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 345922 |       |       |
| 226     | 29.3  |        | 22.8  | 34.2  |
| 229     | 20.5  |        | 16.6  | 24.8  |





#82

Chrysene

Concen: 36.05 ng/mL

RT: 14.16 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

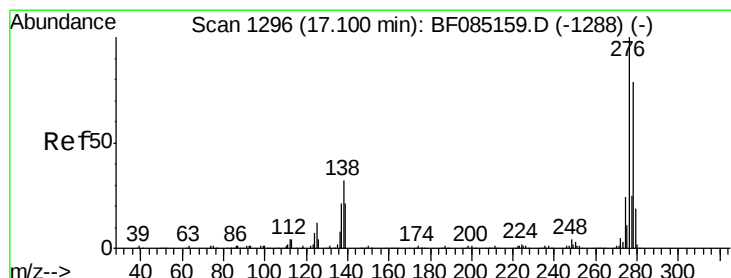
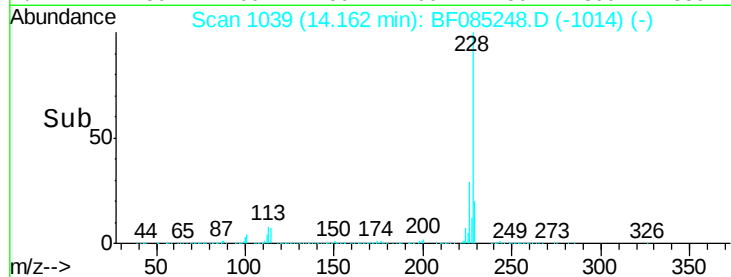
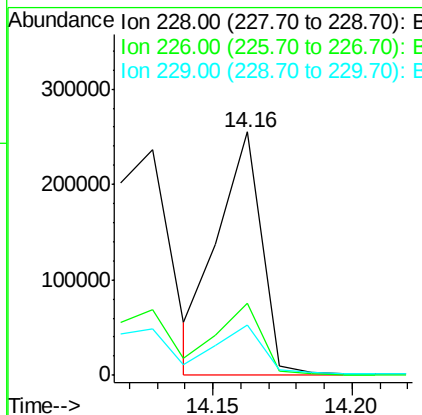
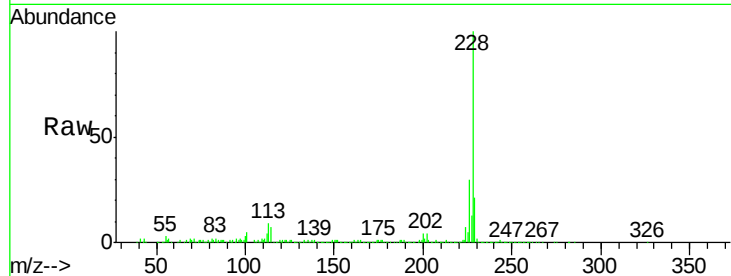
ClientSampleId :

SP-004(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 279335 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.6  | 25.2  | 37.8   |
| 229       | 20.6  | 16.0  | 24.0   |

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#85

Indeno(1,2,3-cd)pyrene

Concen: 21.93 ng/mL

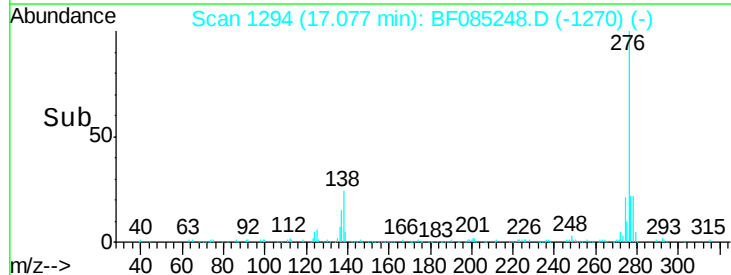
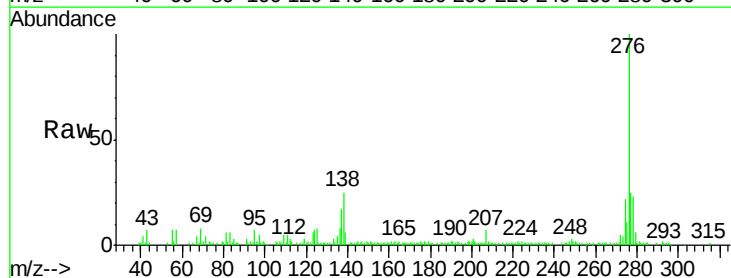
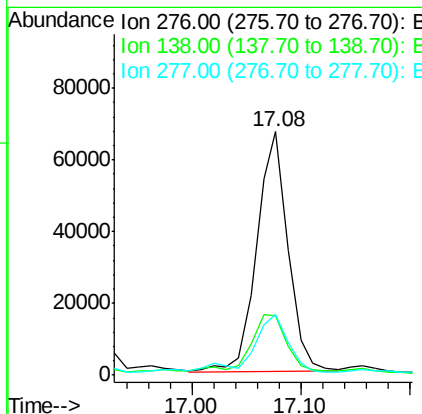
RT: 17.08 min Scan# 1294

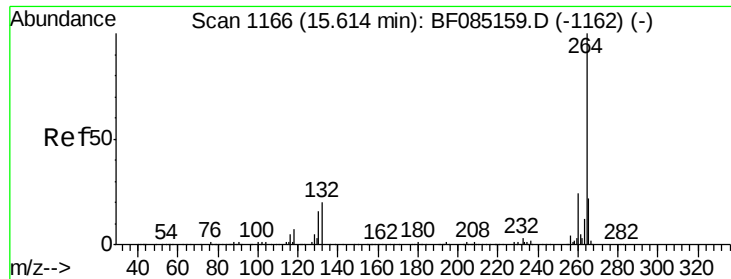
Delta R.T. -0.02 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 132631 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 28.2  | 26.4  | 39.6   |
| 277       | 28.7  | 20.2  | 30.2   |





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.60 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF085248.D

Acq: 5 Mar 2016 12:20

Instrument :

BNA\_F

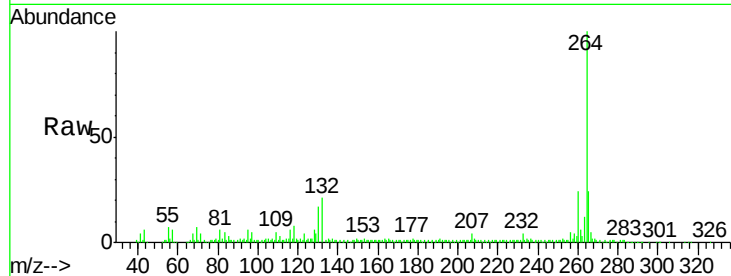
ClientSampleId :

SP-004(0-2)

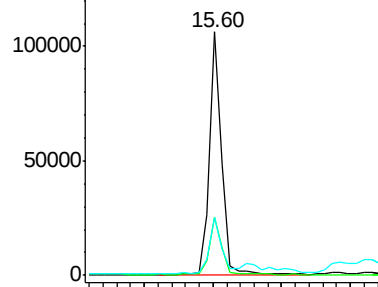
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 136046 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.7 | 19.2  | 28.8   |
| 265       | 23.6 | 17.3  | 25.9   |

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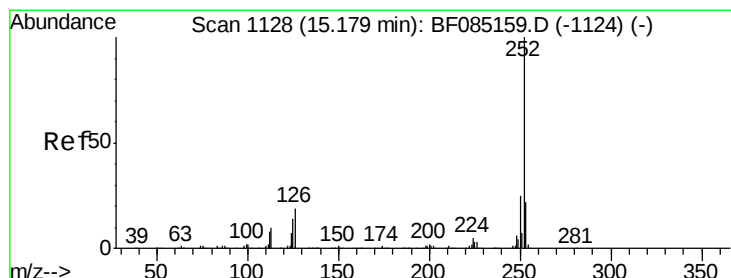
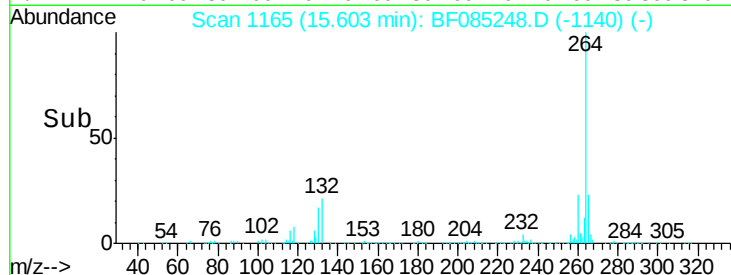
UMANGI  
3/7/2016 9:33:43 AM



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 41.30 ng m

RT: 15.18 min Scan# 1128

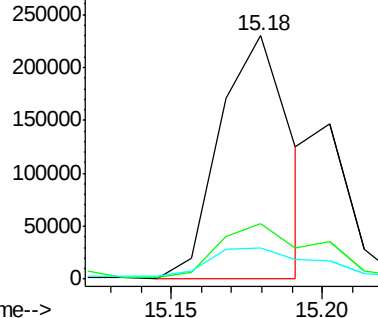
Delta R.T. 0.00 min

Lab File: BF085248.D

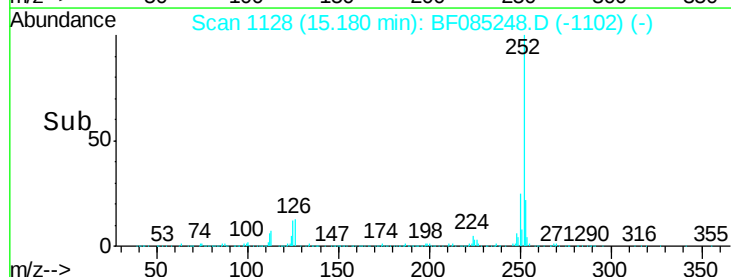
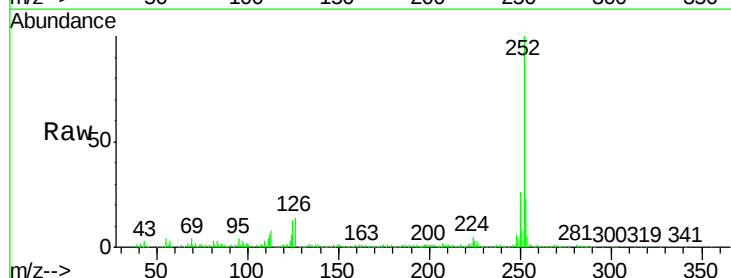
Acq: 5 Mar 2016 12:20

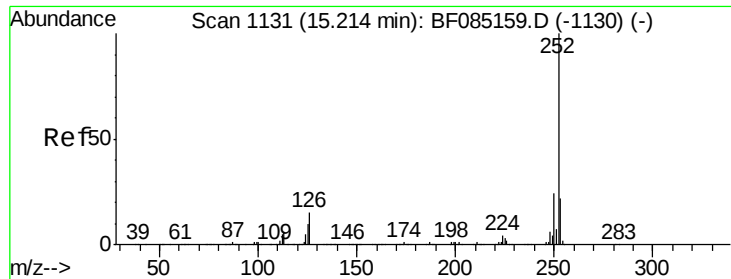
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 374485 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.8 | 17.8  | 26.6   |
| 125       | 13.0 | 11.3  | 16.9   |

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



Time-->





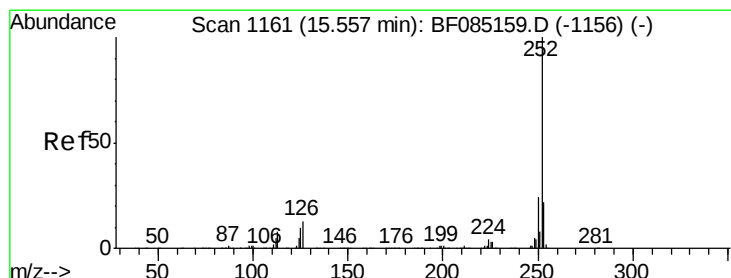
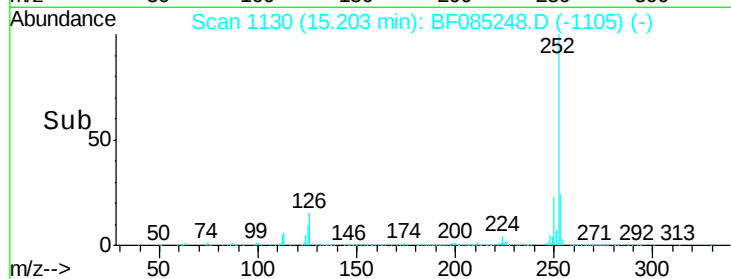
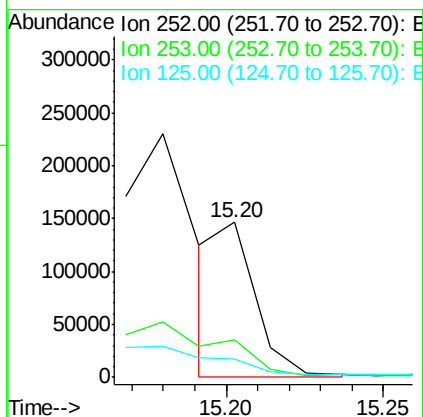
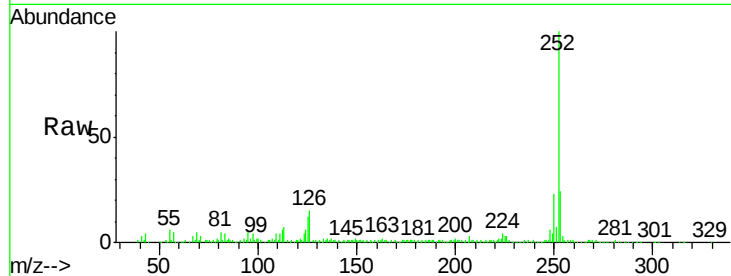
#88  
Benzo(k)fluoranthene  
Concen: 16.96 ng m  
RT: 15.20 min Scan# 1130  
Delta R.T. -0.01 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 17.8  | 26.6  |
| 125     | 11.5  | 10.4  | 15.6  |

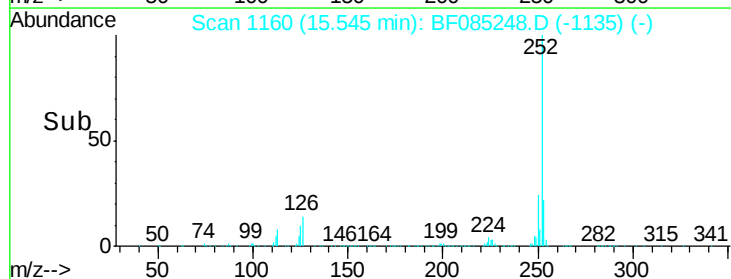
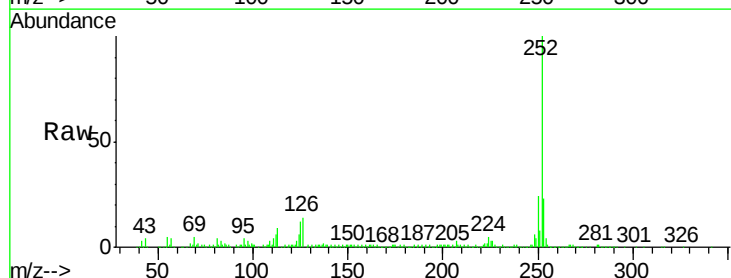
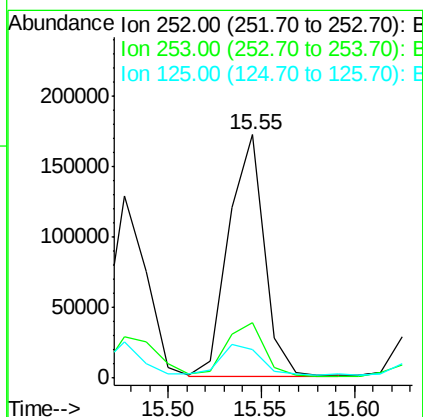
Manual Integrations  
APPROVED

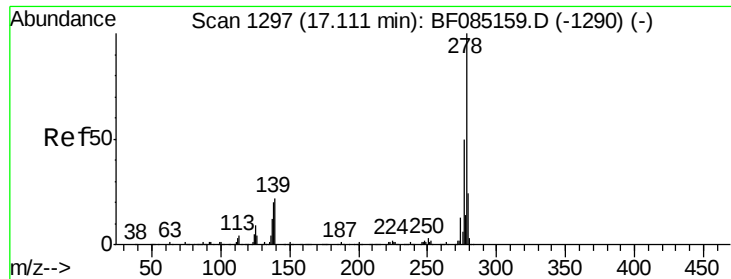
UMANGI  
3/7/2016 9:33:43 AM



#89  
Benzo(a)pyrene  
Concen: 30.81 ng  
RT: 15.55 min Scan# 1160  
Delta R.T. -0.01 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.4  | 26.0  |
| 125     | 11.9  | 8.2   | 12.4  |





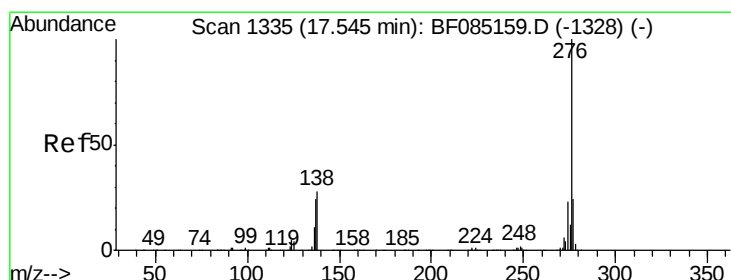
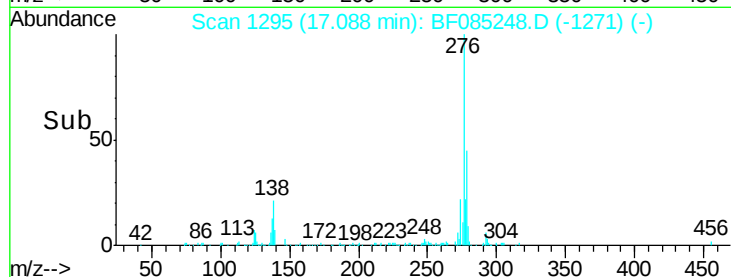
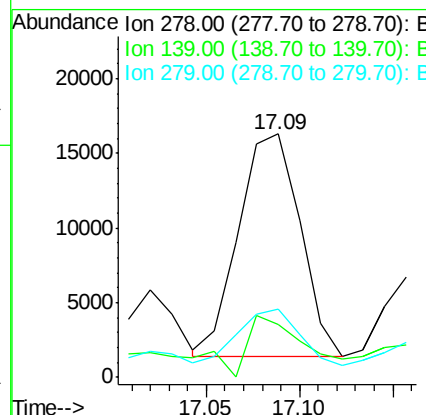
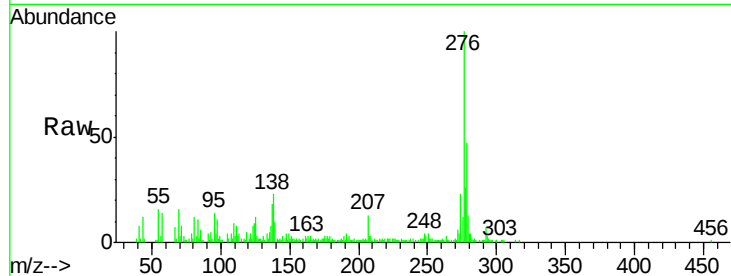
#90  
Dibenzo(a,h)anthracene  
Concen: 5.34 ng  
RT: 17.09 min Scan# 1295  
Delta R.T. -0.02 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-004(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.9  | 17.3  | 25.9  |
| 279     | 27.9  | 19.2  | 28.8  |

Manual Integrations  
APPROVED

UMANGI  
3/7/2016 9:33:43 AM



#91  
Benzo(g,h,i)perylene  
Concen: 18.59 ng  
RT: 17.52 min Scan# 1333  
Delta R.T. -0.02 min  
Lab File: BF085248.D  
Acq: 5 Mar 2016 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 19.0  | 28.4  |
| 138     | 25.9  | 22.5  | 33.7  |

