

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\  
 Data File : BF091568.D  
 Acq On : 13 Dec 2016 21:47  
 Operator : UM/SJ  
 Sample : H5994-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(6-8)-12-9-16

Manual Integrations  
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Quant Time: Dec 14 01:34:02 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 09 19:00:21 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 306990   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.10  | 136  | 1285073  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 618064   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.33 | 188  | 923194   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.97 | 240  | 582855   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.39 | 264  | 669493   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.42  | 112 | 2574242 | 141.27 | ng | 0.01  |
| 7) Phenol-d6                | 6.46  | 99  | 3437034 | 151.30 | ng | 0.01  |
| 23) Nitrobenzene-d5         | 7.38  | 82  | 1937564 | 84.15  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330 | 680908  | 132.64 | ng | 0.01  |
| 44) 2-Fluorobiphenyl        | 9.17  | 172 | 3256187 | 91.03  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.92 | 244 | 2165924 | 84.32  | ng | 0.00  |

|                            |       |     |          |        |    |        |
|----------------------------|-------|-----|----------|--------|----|--------|
| Target Compounds           |       |     |          |        |    | Qvalue |
| 10) Phenol                 | 6.48  | 94  | 132464   | 4.99   | ng | # 68   |
| 31) Naphthalene            | 8.12  | 128 | 533465   | 8.92   | ng | 98     |
| 37) 2-Methylnaphthalene    | 8.81  | 142 | 218793   | 5.65   | ng | 95     |
| 49) Dimethylphthalate      | 9.57  | 163 | 513908   | 13.13  | ng | 99     |
| 51) Acenaphthene           | 9.88  | 154 | 679173   | 18.50  | ng | 99     |
| 54) Dibenzofuran           | 10.05 | 168 | 553153   | 12.18  | ng | 97     |
| 57) Fluorene               | 10.40 | 166 | 792404   | 21.86  | ng | 98     |
| 70) Phenanthrene           | 11.37 | 178 | 5093514  | 111.41 | ng | 95     |
| 71) Anthracene             | 11.41 | 178 | 2040384  | 41.38  | ng | 99     |
| 72) Carbazole              | 11.56 | 167 | 636947   | 14.74  | ng | 98     |
| 74) Fluoranthene           | 12.56 | 202 | 4669448  | 97.54  | ng | 97     |
| 77) Pyrene                 | 12.78 | 202 | 4910194  | 106.19 | ng | 95     |
| 80) Benzo(a)anthracene     | 13.96 | 228 | 2240793  | 66.20  | ng | 98     |
| 82) Chrysene               | 14.00 | 228 | 1980565m | 55.93  | ng |        |
| 85) Indeno(1,2,3-cd)pyrene | 16.76 | 276 | 1101180  | 34.55  | ng | 95     |
| 87) Benzo(b)fluoranthene   | 14.99 | 252 | 2393579m | 59.97  | ng |        |
| 88) Benzo(k)fluoranthene   | 15.00 | 252 | 692115m  | 19.72  | ng |        |
| 89) Benzo(a)pyrene         | 15.33 | 252 | 1969944  | 54.79  | ng | 98     |
| 90) Dibenzo(a,h)anthracene | 16.76 | 278 | 266821   | 8.28   | ng | 93     |
| 91) Benzo(a,h,i)perylene   | 17.17 | 276 | 1163756m | 35.50  | ng |        |

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

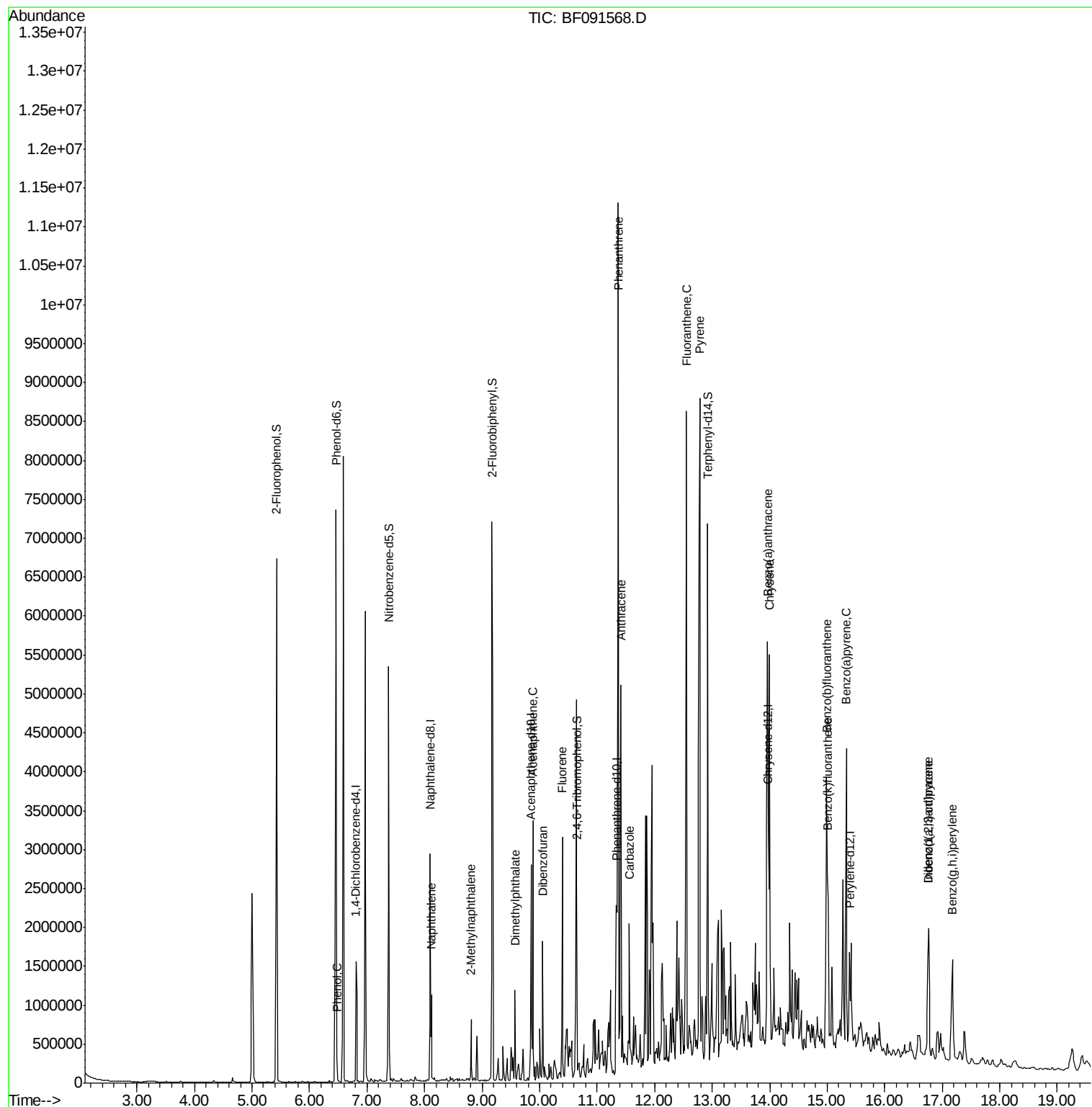
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\  
Data File : BF091568.D  
Acq On : 13 Dec 2016 21:47  
Operator : UM/SJ  
Sample : H5994-04  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

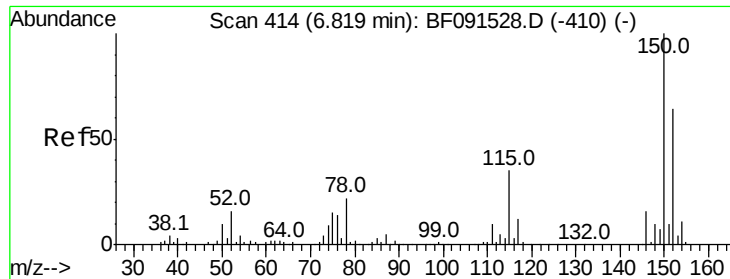
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

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Quant Time: Dec 14 01:34:02 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 09 19:00:21 2016  
Response via : Initial Calibration





#1

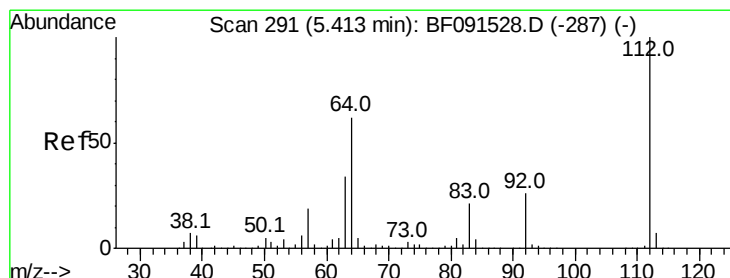
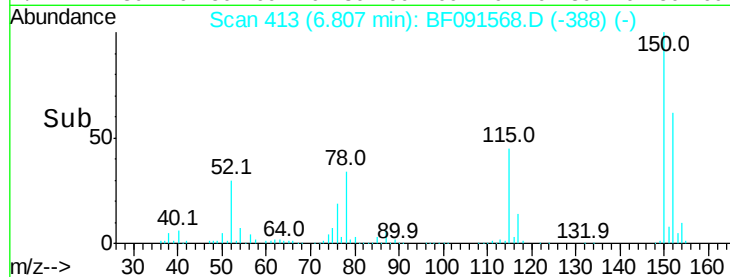
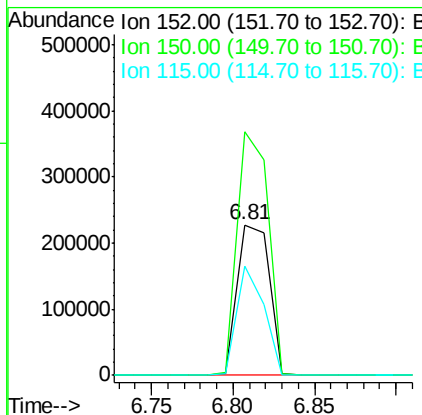
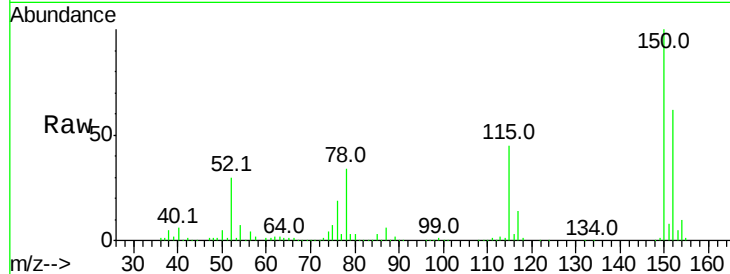
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.9 | 122.5 | 183.7 |
| 115     | 72.9  | 51.8  | 77.8  |

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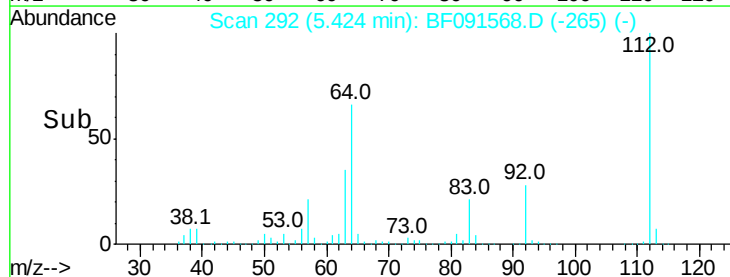
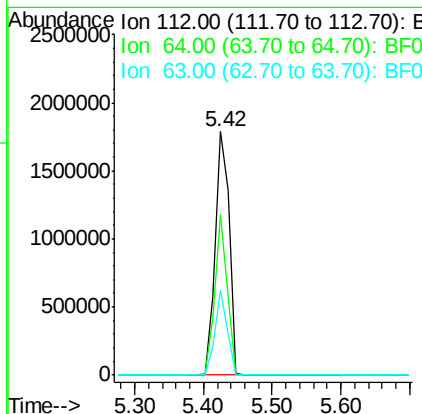
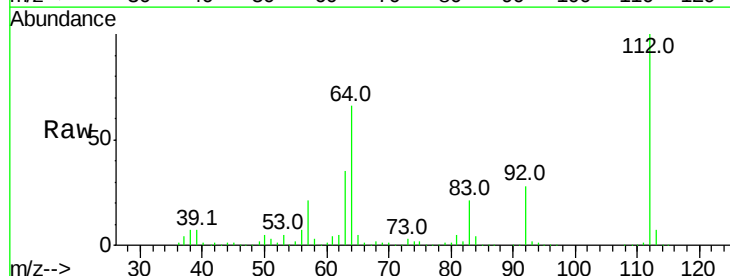
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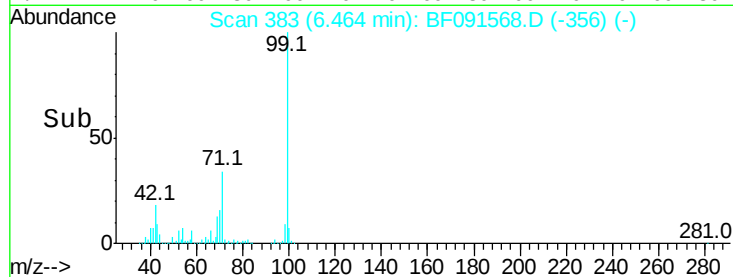
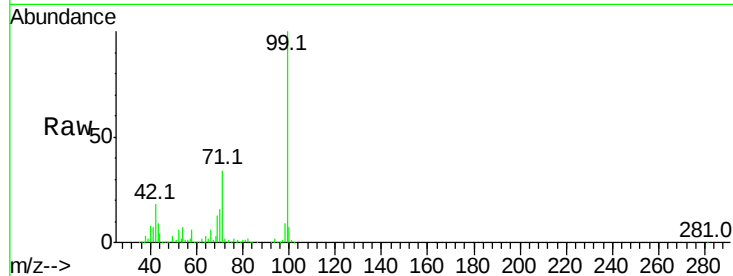
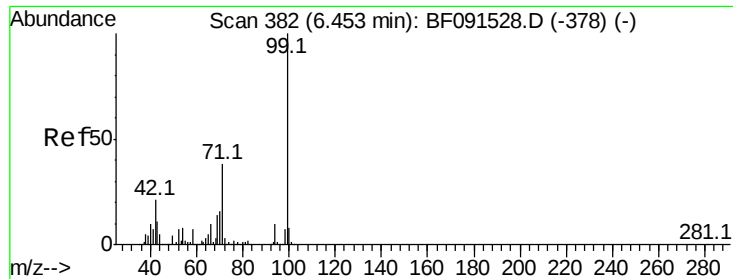


#5

2-Fluorophenol  
Concen: 141.27 ng  
RT: 5.42 min Scan# 292  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.0  | 61.5  | 92.3  |
| 63      | 34.7  | 33.3  | 49.9  |





#7

Phenol-d6

Concen: 151.30 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Tot Ion: 99 Resp: 3437034

Ion Ratio Lower Upper

99 100

42 18.0 20.6 31.0#

71 34.4 29.9 44.9

Instrument :

BNA\_F

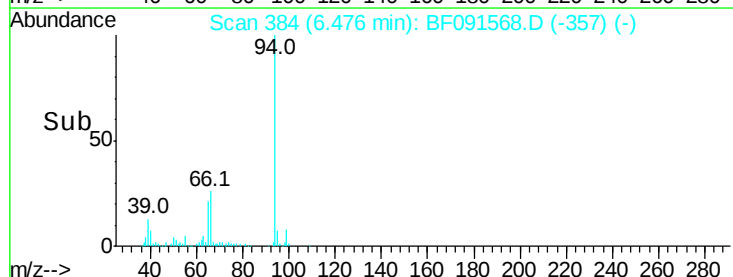
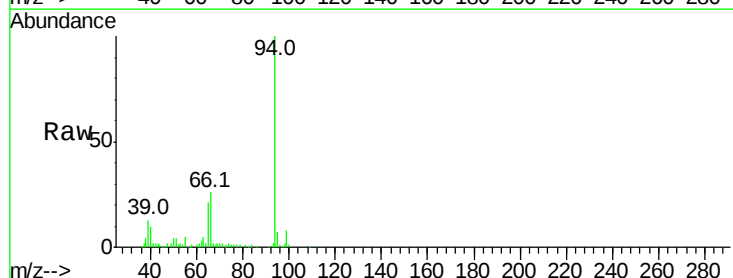
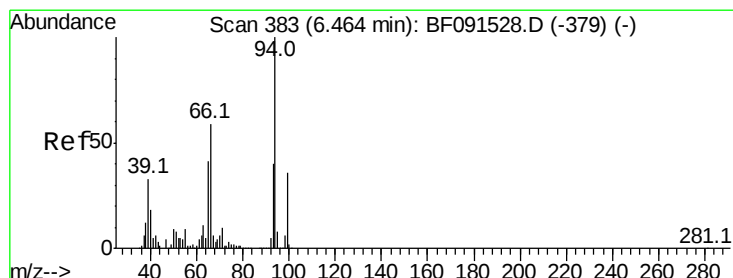
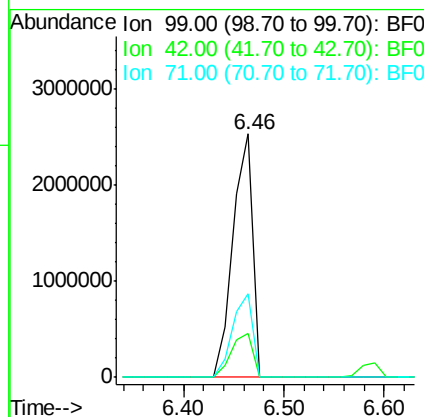
ClientSampleId :

SB-49(6-8)-12-9-16

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#10

Phenol

Concen: 4.99 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

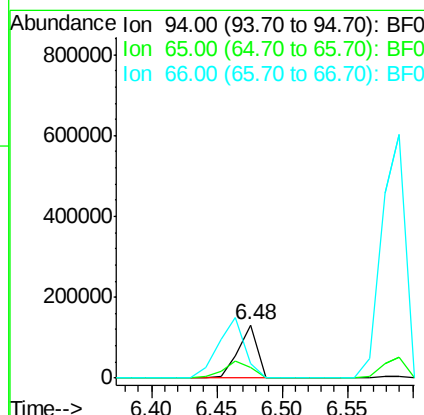
Tgt Ion: 94 Resp: 132464

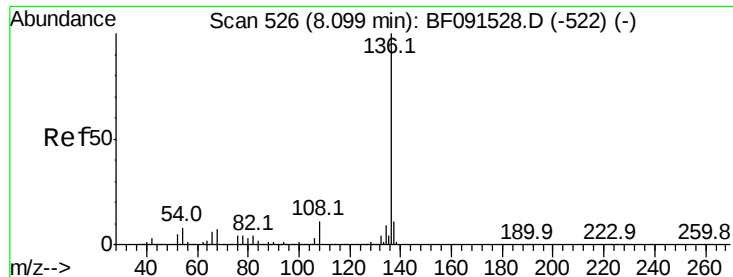
Ion Ratio Lower Upper

94 100

65 20.8 16.9 56.9

66 26.3 30.6 70.6#





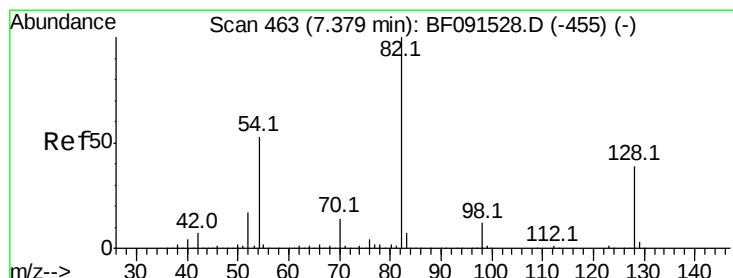
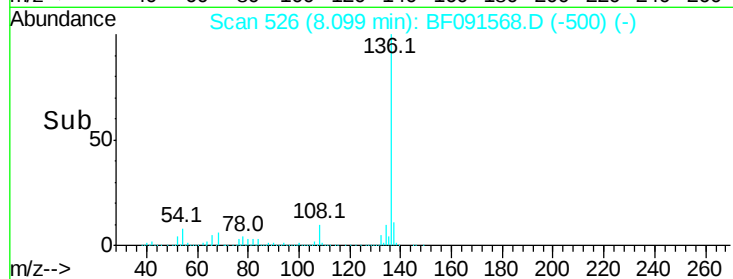
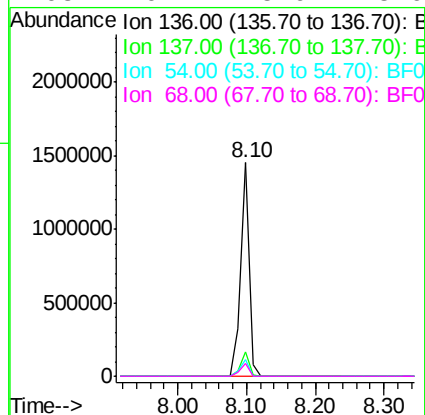
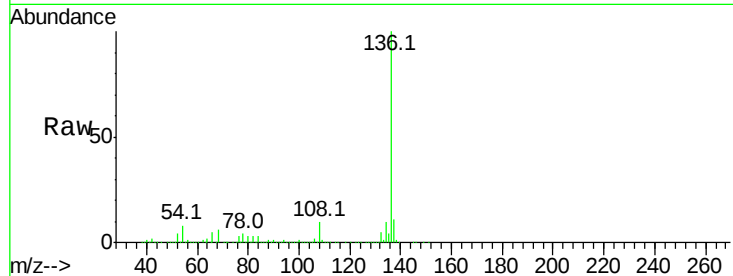
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 526  
Delta R.T. -0.00 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.1  | 9.1   | 13.7  |
| 54      | 7.5   | 9.1   | 13.7# |
| 68      | 6.2   | 5.9   | 8.9   |

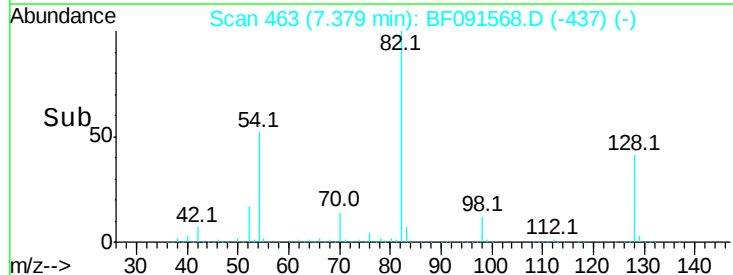
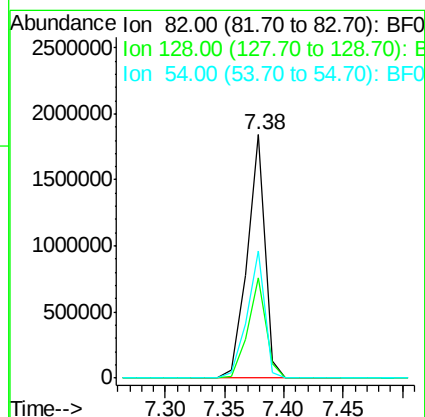
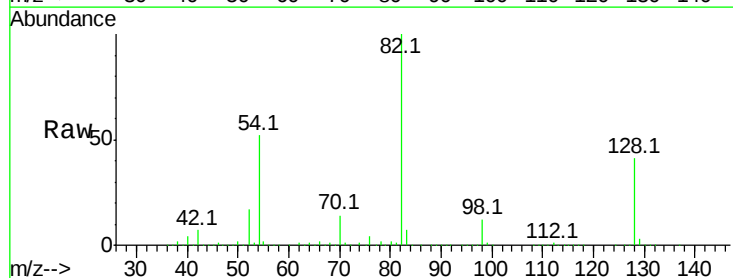
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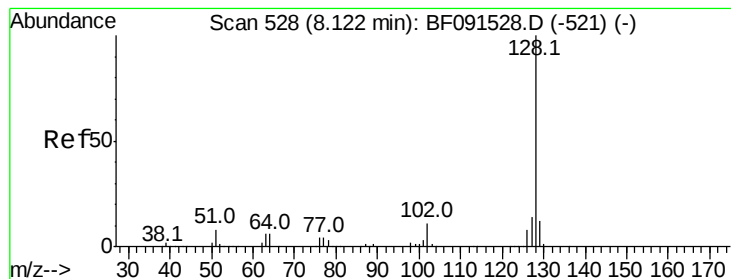
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#23  
Nitrobenzene-d5  
Concen: 84.15 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.00 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 31.8  | 47.6  |
| 54      | 52.4  | 49.1  | 73.7  |





#31

Naphthalene

Concen: 8.92 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA\_F

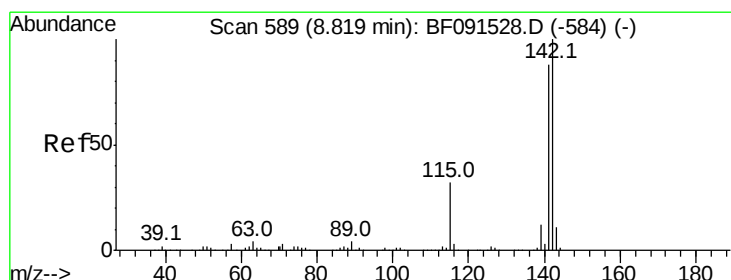
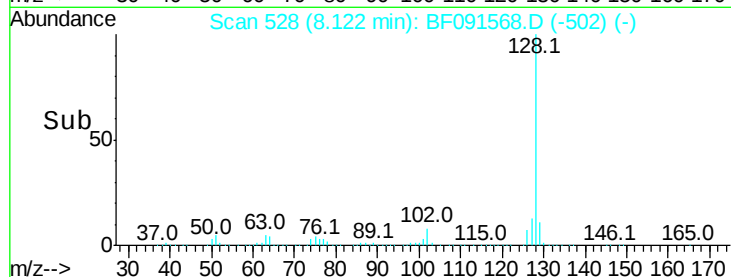
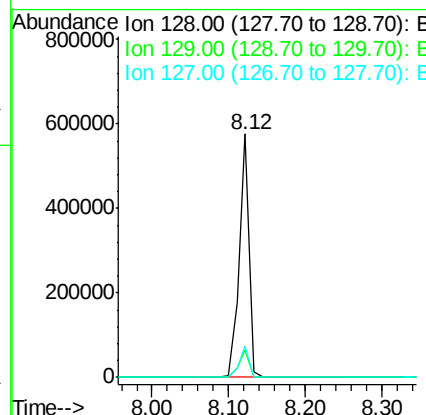
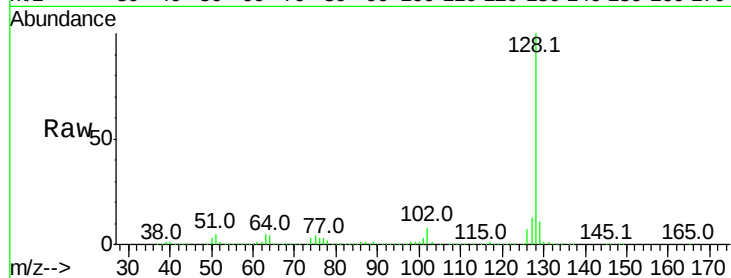
ClientSampleId :

SB-49(6-8)-12-9-16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 533465 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.0  | 9.1   | 13.7   |
| 127       | 12.7  | 11.0  | 16.4   |

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#37

2-Methylnaphthalene

Concen: 5.65 ng

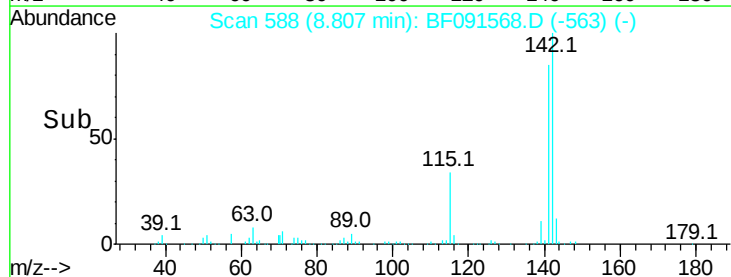
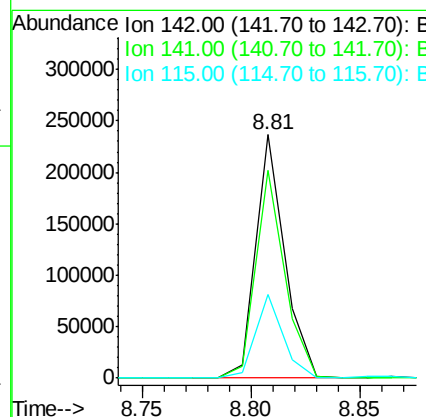
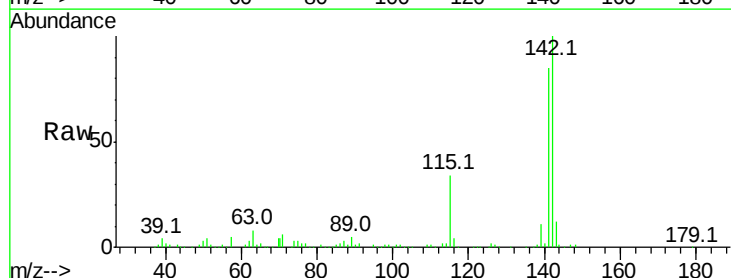
RT: 8.81 min Scan# 588

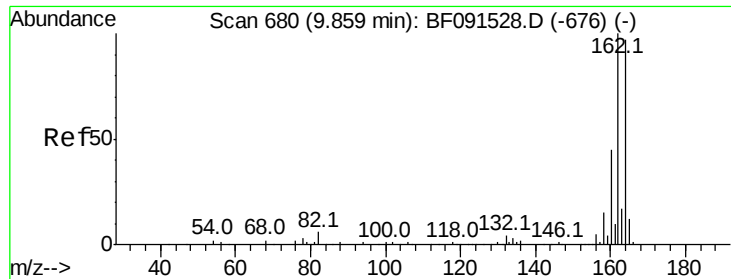
Delta R.T. -0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 218793 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 85.2  | 71.7  | 107.5  |
| 115       | 34.5  | 25.0  | 37.6   |





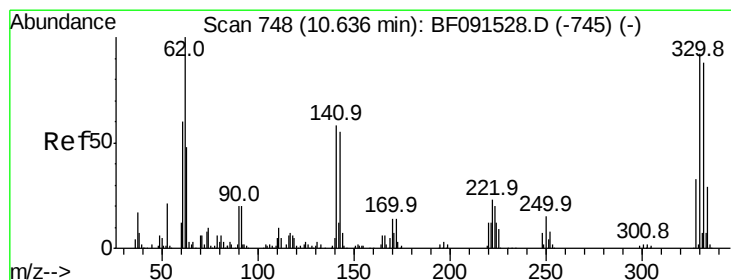
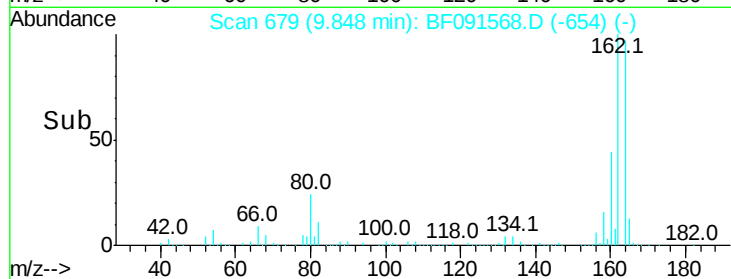
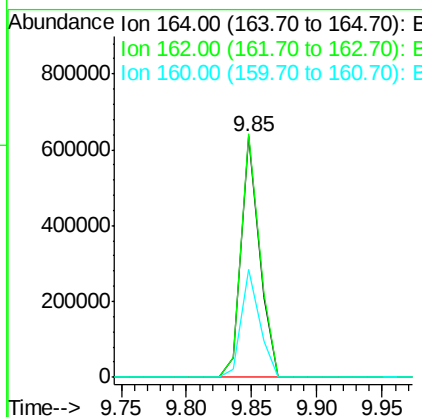
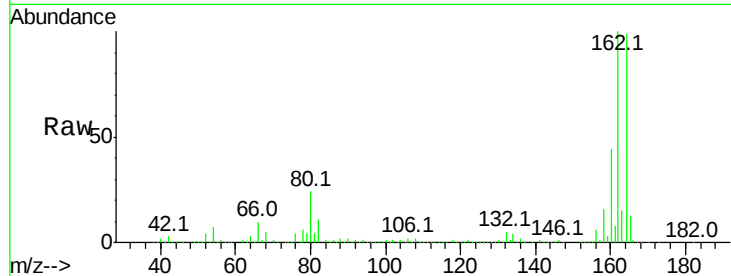
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 101.1 | 82.6 | 124.0 |       |
| 160     | 44.7  | 36.7 | 55.1  |       |

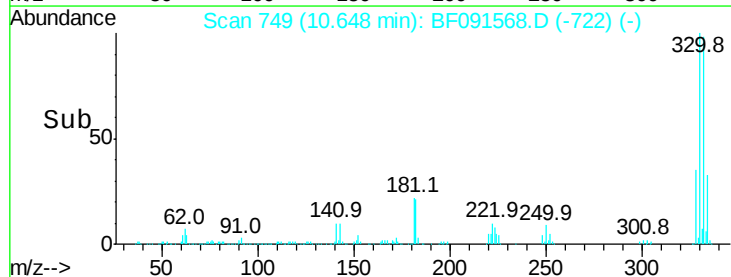
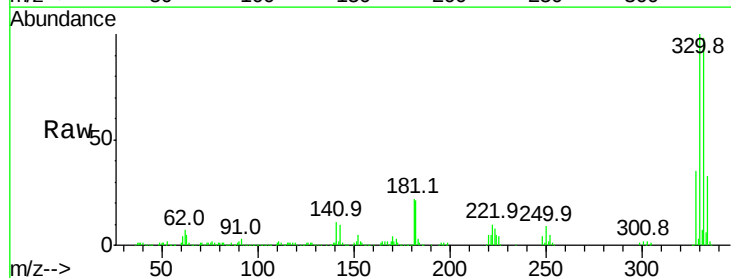
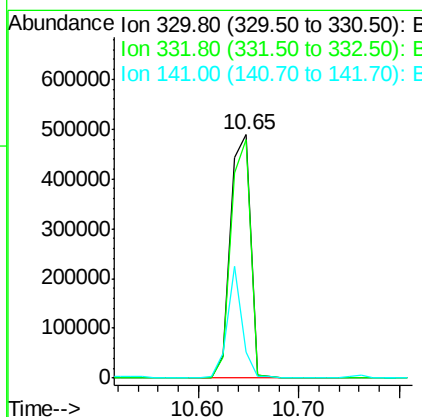
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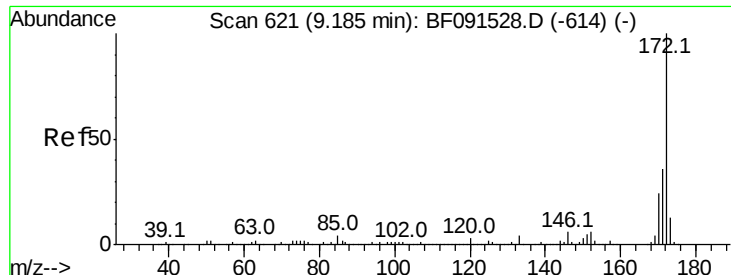
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#41  
2,4,6-Tribromophenol  
Concen: 132.64 ng  
RT: 10.65 min Scan# 749  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.7  | 76.2 | 114.4 |       |
| 141     | 33.5  | 33.6 | 50.4  |       |





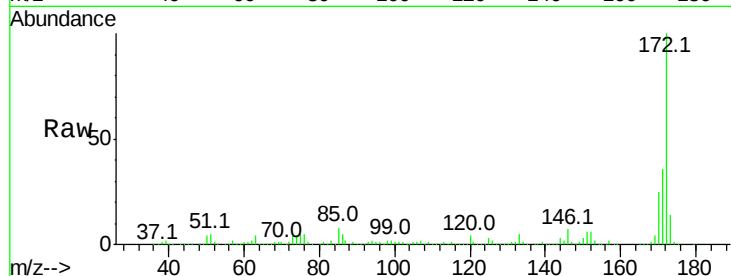
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2-Fluorobiphenyl  
Concen: 91.03 ng  
RT: 9.17 min Scan# 620  
Delta R.T. -0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

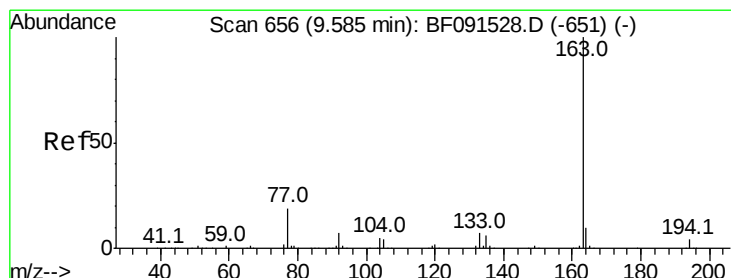
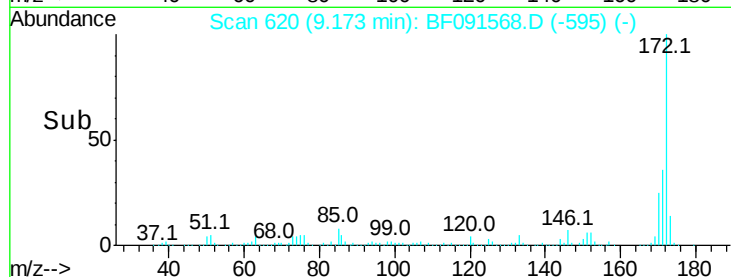
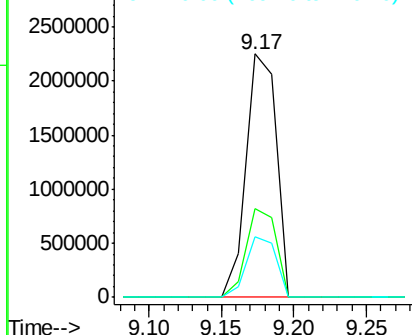
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.4  | 44.0  |
| 170     | 24.8  | 19.7  | 29.5  |

Manual Integrations  
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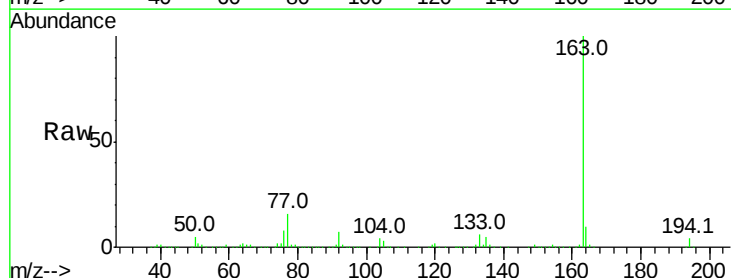


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

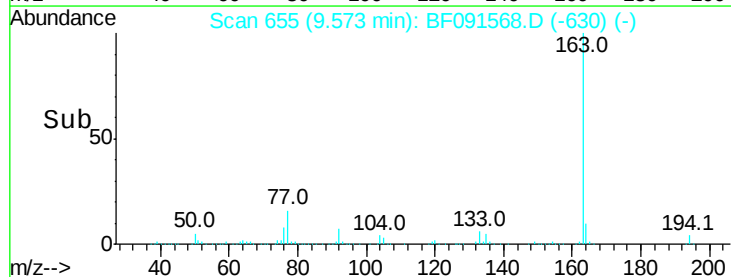
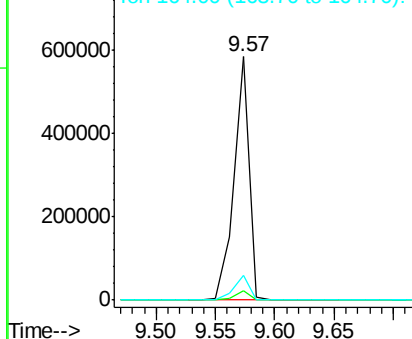


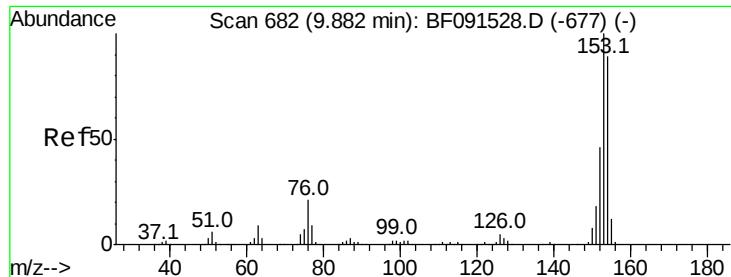
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Dimethylphthalate  
Concen: 13.13 ng  
RT: 9.57 min Scan# 655  
Delta R.T. -0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.0   | 4.4   |
| 164     | 10.3  | 7.8   | 11.8  |



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 18.50 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA\_F

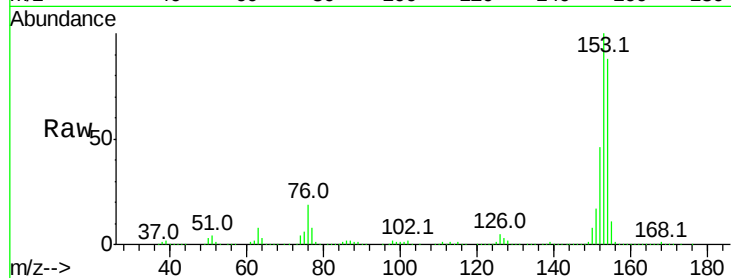
ClientSampleId :

SB-49(6-8)-12-9-16

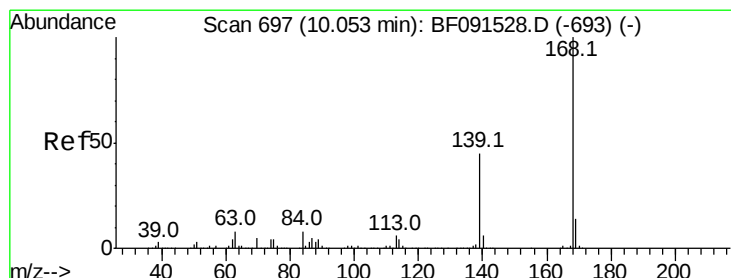
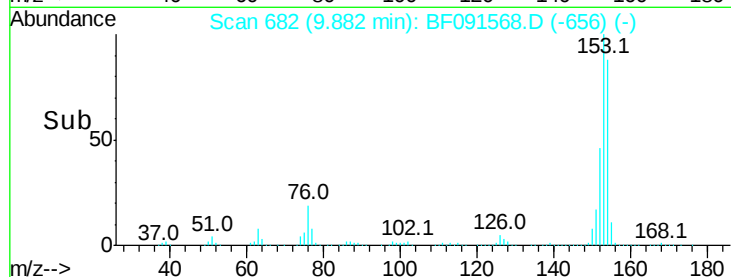
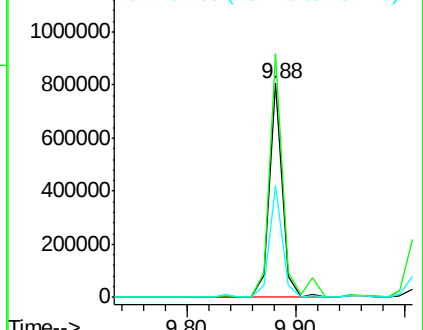
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 679173 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.7 | 91.0  | 136.6  |
| 152       | 52.5  | 44.2  | 66.2   |

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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: 12.18 ng

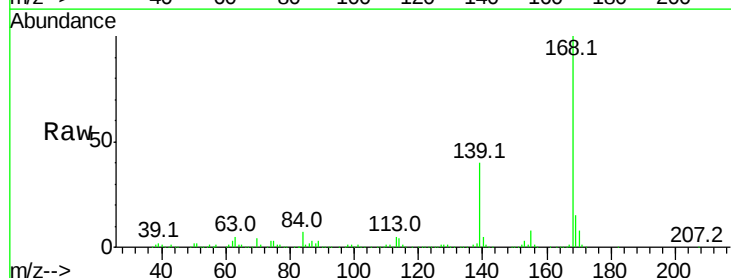
RT: 10.05 min Scan# 697

Delta R.T. -0.00 min

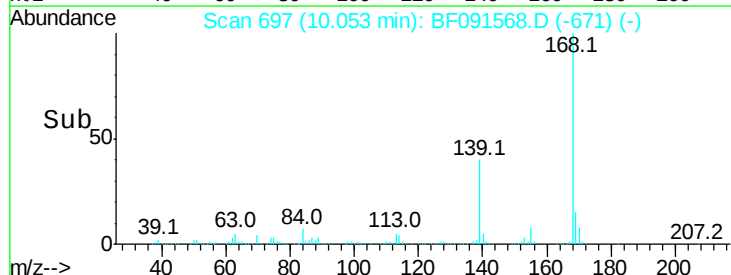
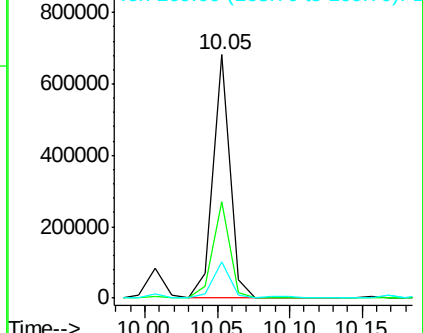
Lab File: BF091568.D

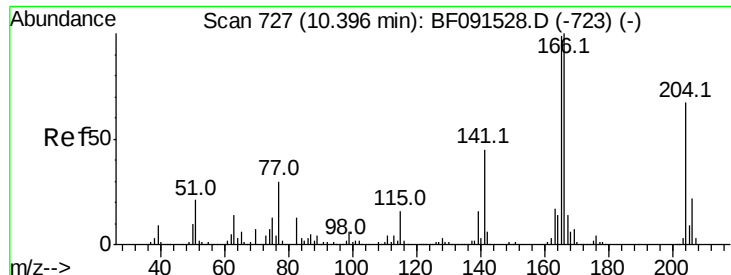
Acq: 13 Dec 2016 21:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 553153 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 39.8  | 33.4  | 50.2   |
| 169       | 15.0  | 11.1  | 16.7   |



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





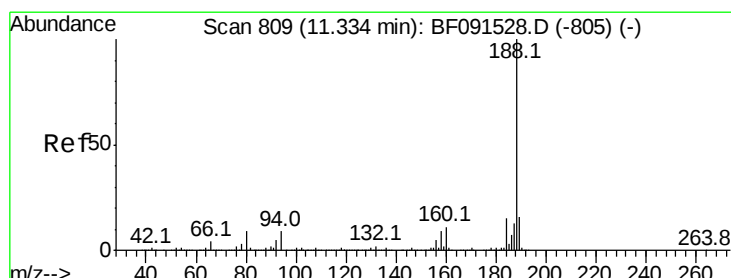
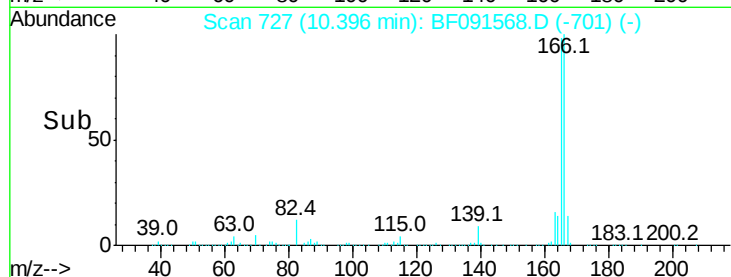
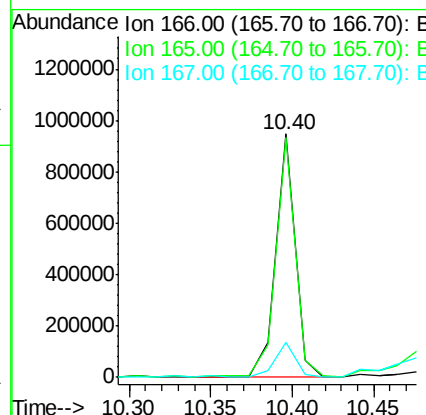
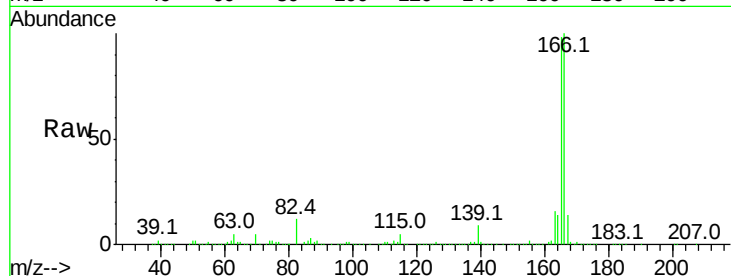
#57  
**Fluorene**  
 Concen: 21.86 ng  
 RT: 10.40 min Scan# 727  
 Delta R.T. 0.00 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 792404 |       |       |
| 165     | 98.5  | 80.0   | 120.0 |       |
| 167     | 14.3  | 10.8   | 16.2  |       |

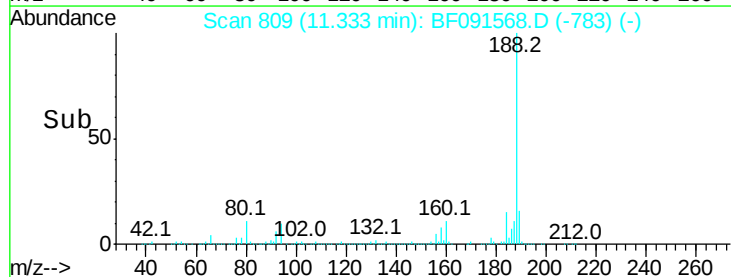
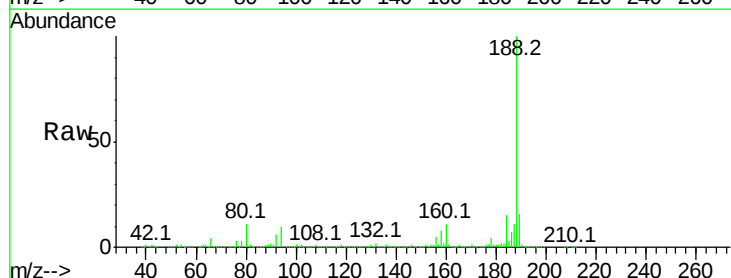
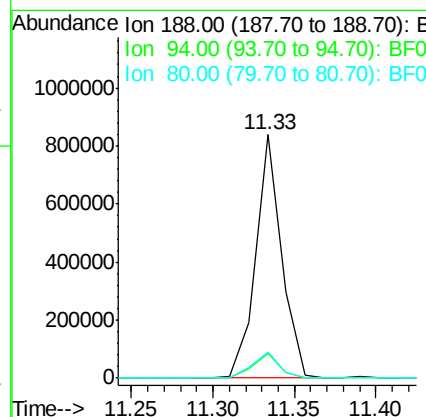
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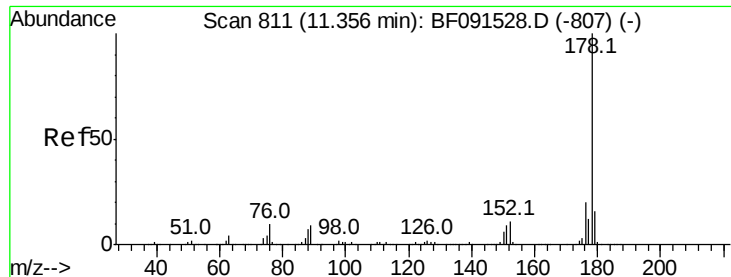
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#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.33 min Scan# 809  
 Delta R.T. -0.00 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 923194 |       |       |
| 94      | 10.2  | 9.2    | 13.8  |       |
| 80      | 10.9  | 10.5   | 15.7  |       |





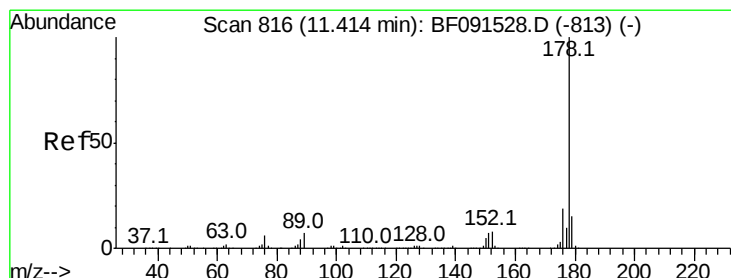
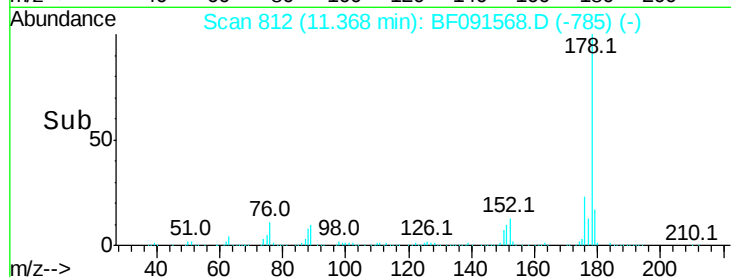
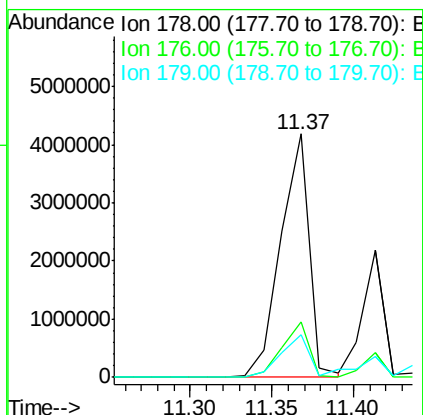
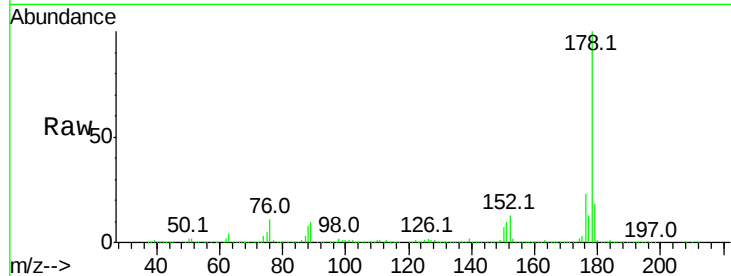
#70  
Phenanthrene  
Concen: 111.41 ng  
RT: 11.37 min Scan# 812  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

Tot Ion:178 Resp: 5093514  
Ion Ratio Lower Upper  
178 100  
176 22.7 15.9 23.9  
179 17.7 12.6 18.8

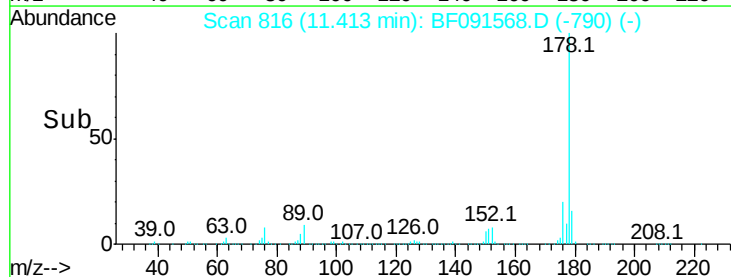
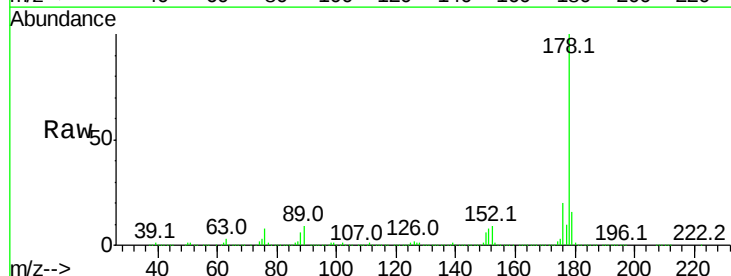
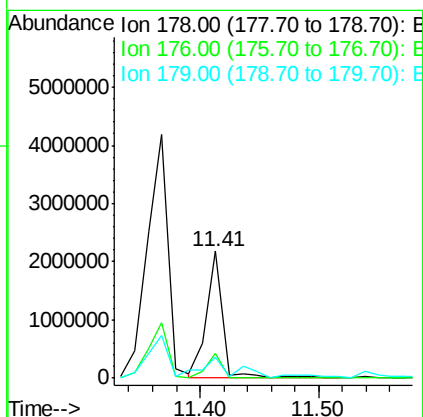
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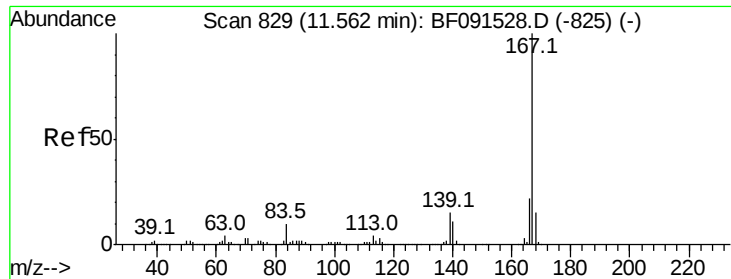
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#71  
Anthracene  
Concen: 41.38 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Tgt Ion:178 Resp: 2040384  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.8 23.6  
179 16.3 12.7 19.1





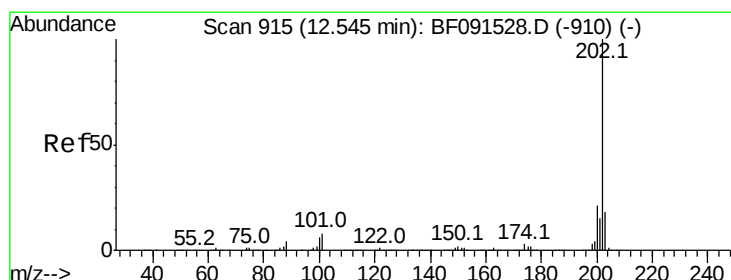
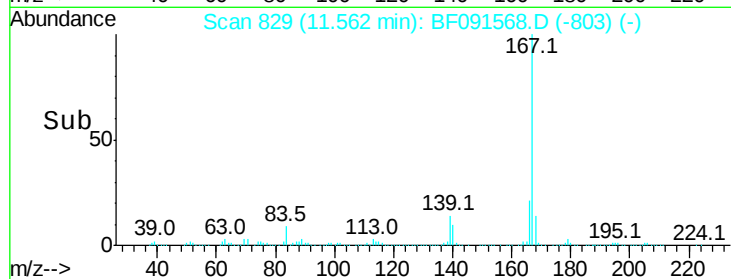
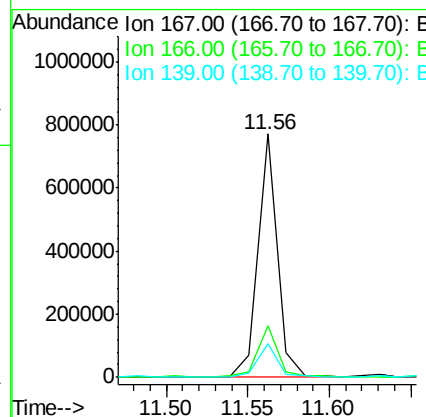
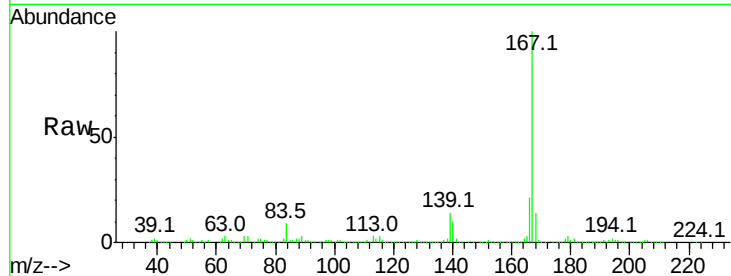
#72  
 Carbazole  
 Concen: 14.74 ng  
 RT: 11.56 min Scan# 829  
 Delta R.T. -0.00 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.4  | 18.1  | 27.1  |
| 139     | 13.7  | 11.5  | 17.3  |

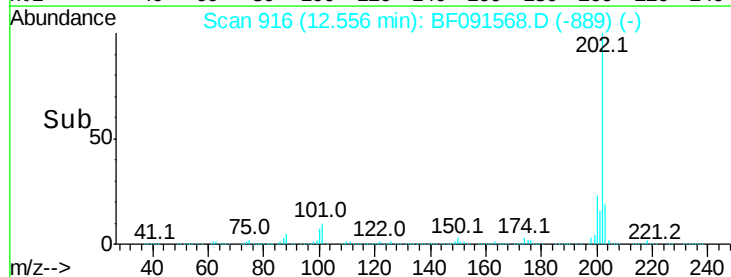
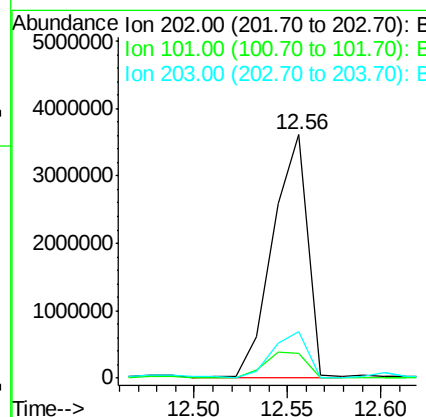
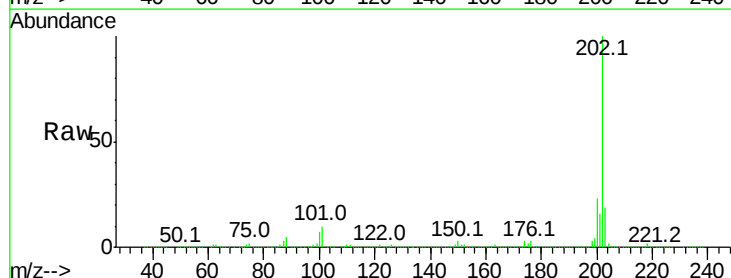
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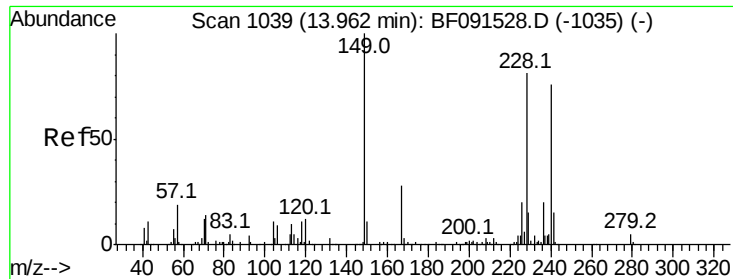
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#74  
 Fluoranthene  
 Concen: 97.54 ng  
 RT: 12.56 min Scan# 916  
 Delta R.T. 0.01 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.2  | 0.0   | 29.5  |
| 203     | 19.2  | 0.0   | 37.8  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA\_F

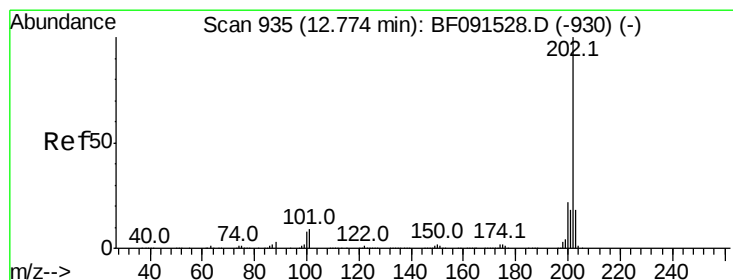
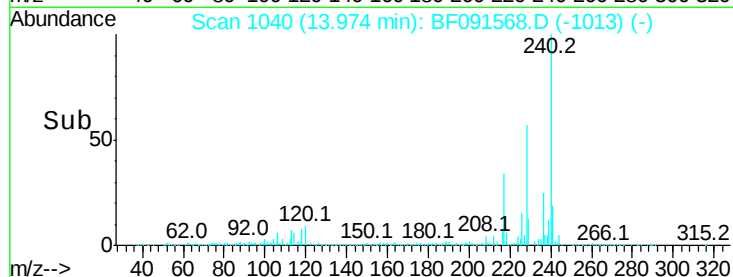
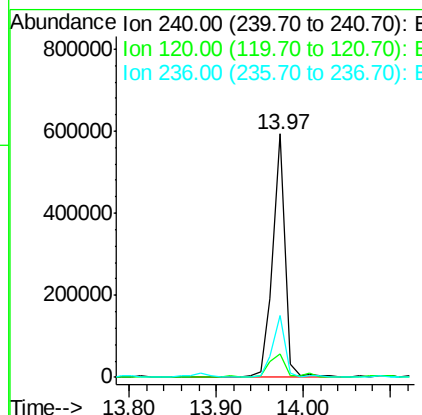
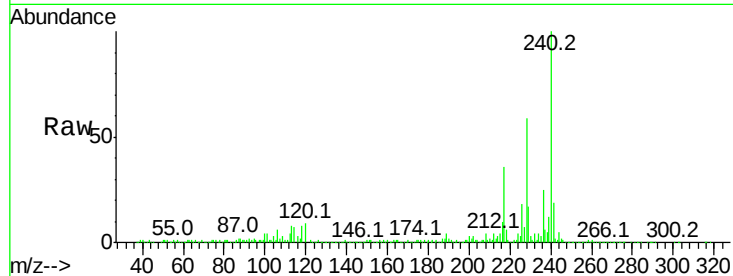
ClientSampleId :

SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 582855 |       |       |
| 120     | 9.4   | 12.1   | 18.1# |       |
| 236     | 25.5  | 21.0   | 31.6  |       |

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#77

Pyrene

Concen: 106.19 ng

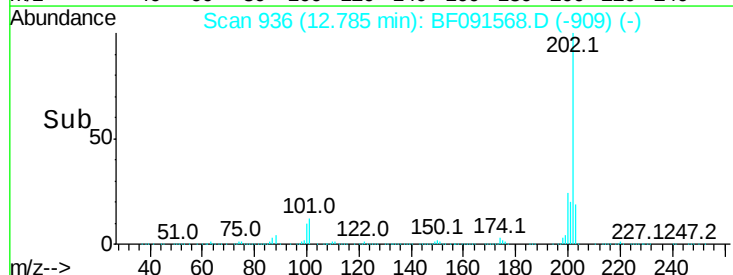
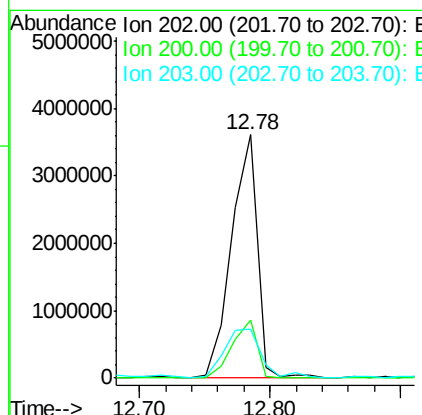
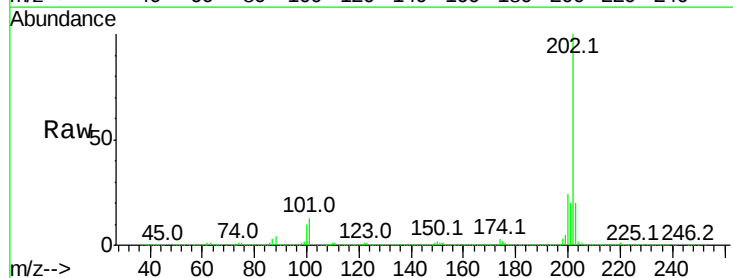
RT: 12.78 min Scan# 936

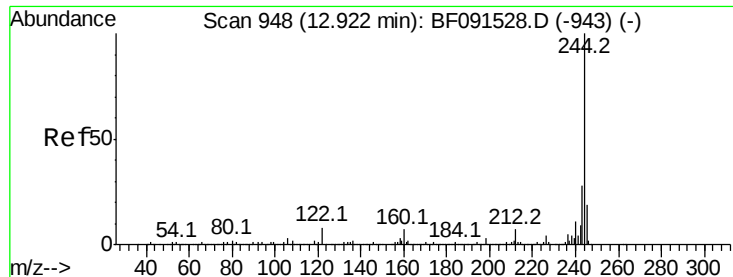
Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 4910194 |       |       |
| 200     | 23.9  | 17.6    | 26.4  |       |
| 203     | 20.3  | 14.0    | 21.0  |       |





#78

Terphenyl-d14

Concen: 84.32 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

Instrument :

BNA\_F

ClientSampleId :

SB-49(6-8)-12-9-16

Tot Ion:244 Resp: 2165924

Ion Ratio Lower Upper

244 100

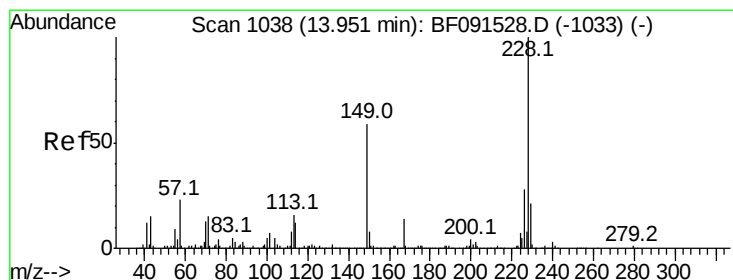
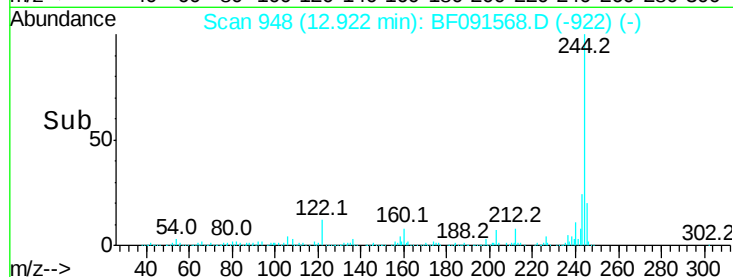
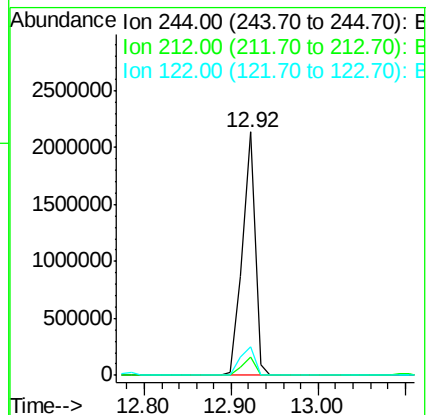
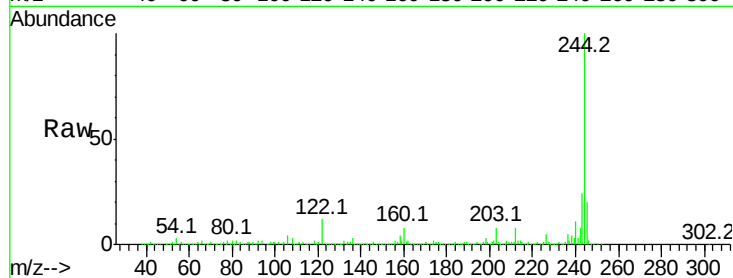
212 7.6 6.5 9.7

122 11.8 9.5 14.3

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#80

Benzo(a)anthracene

Concen: 66.20 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF091568.D

Acq: 13 Dec 2016 21:47

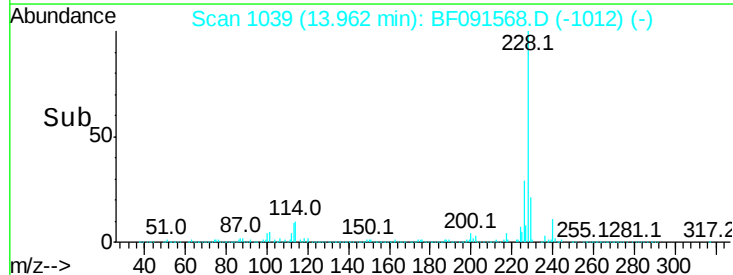
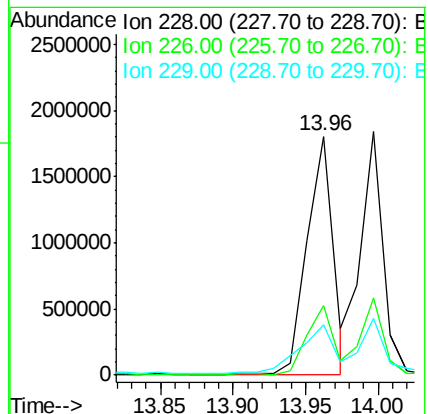
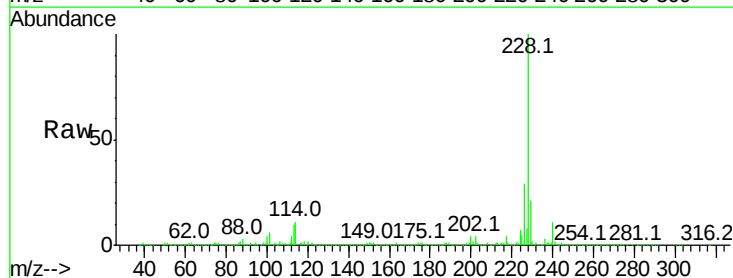
Tgt Ion:228 Resp: 2240793

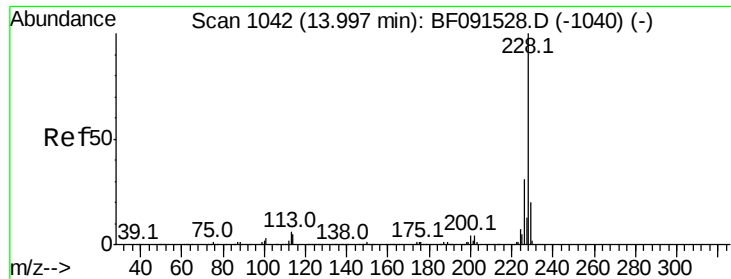
Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

229 21.3 16.4 24.6





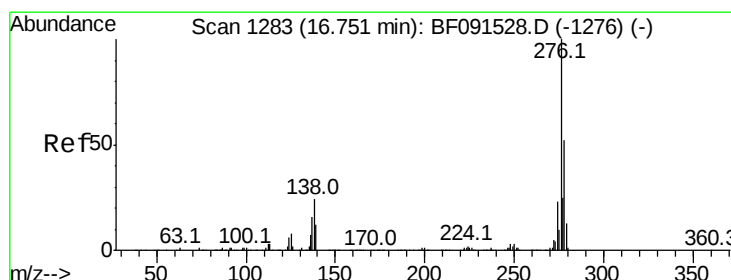
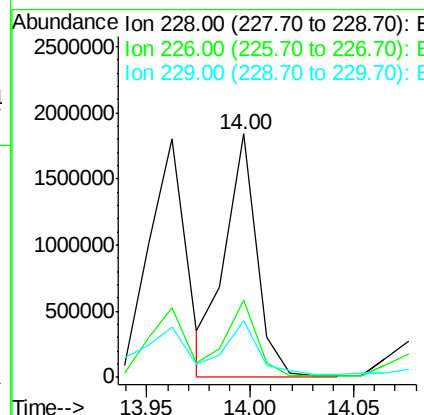
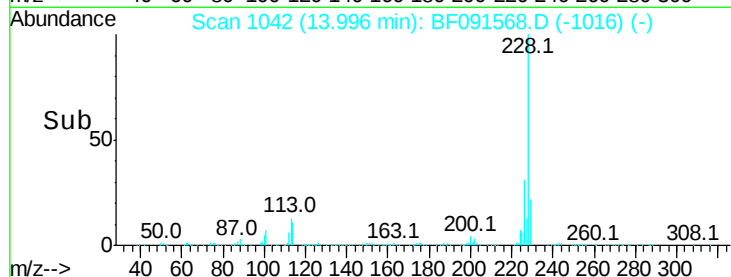
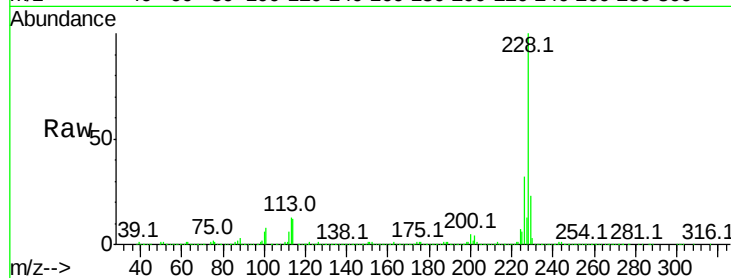
#82  
 Chrysene  
 Concen: 55.93 ng/ml  
 RT: 14.00 min Scan# 1042  
 Delta R.T. -0.00 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.7  | 25.0  | 37.4  |
| 229     | 23.2  | 16.0  | 24.0  |

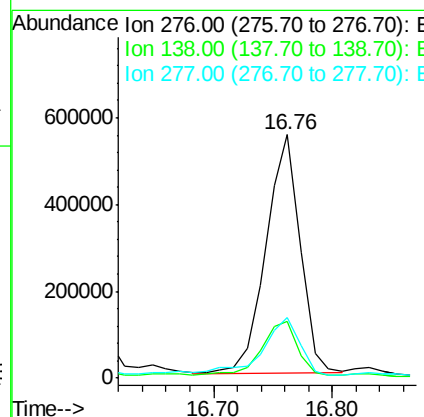
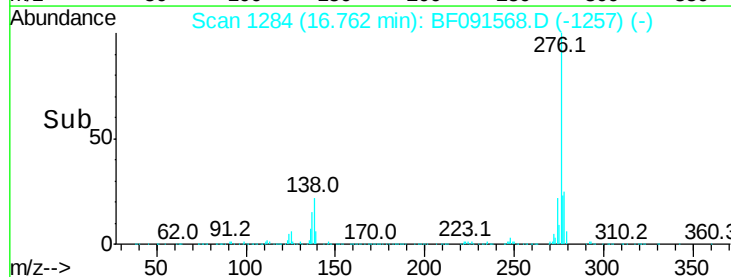
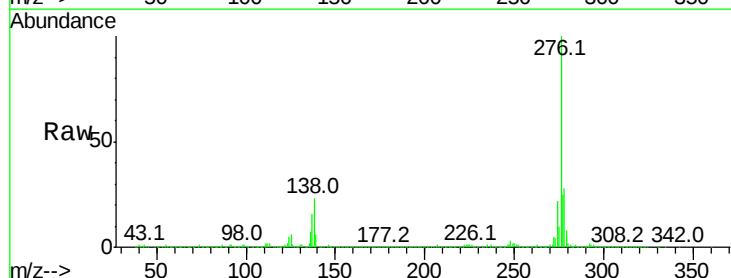
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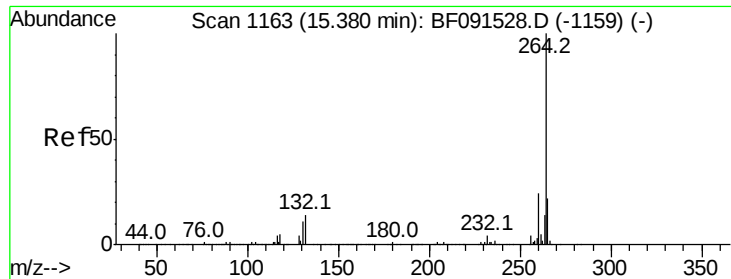
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#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 34.55 ng  
 RT: 16.76 min Scan# 1284  
 Delta R.T. 0.01 min  
 Lab File: BF091568.D  
 Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.9  | 21.0  | 31.4  |
| 277     | 28.5  | 20.2  | 30.2  |





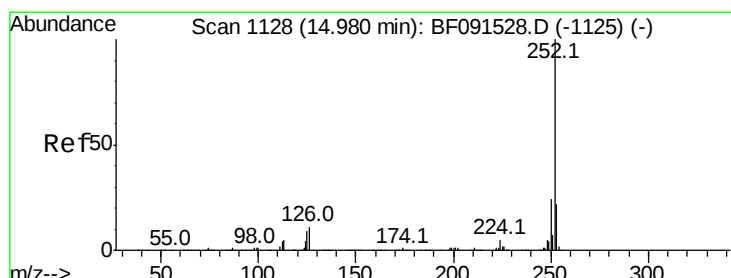
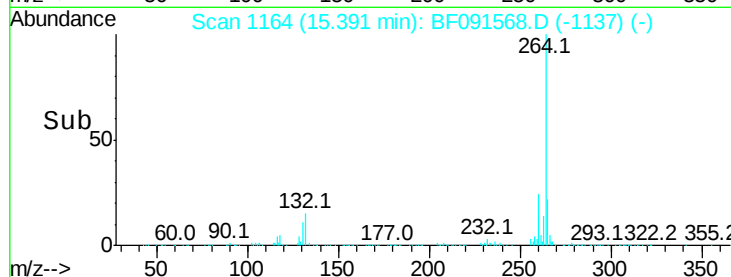
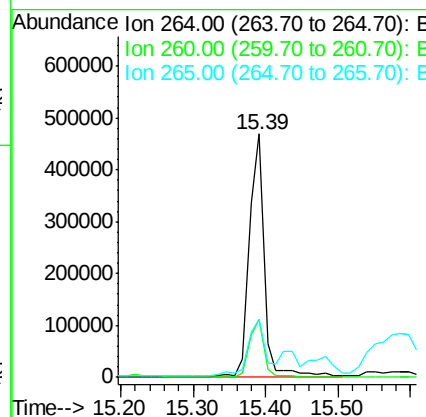
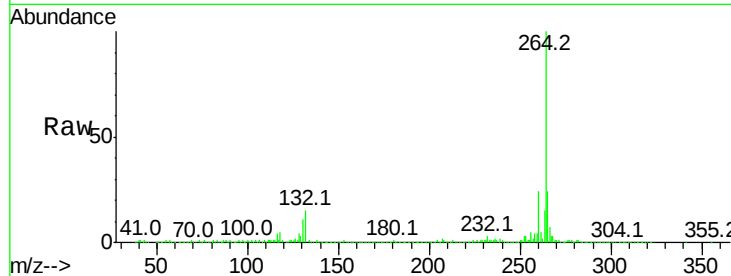
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.39 min Scan# 1164  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.8  | 28.2  |
| 265     | 24.0  | 17.0  | 25.6  |

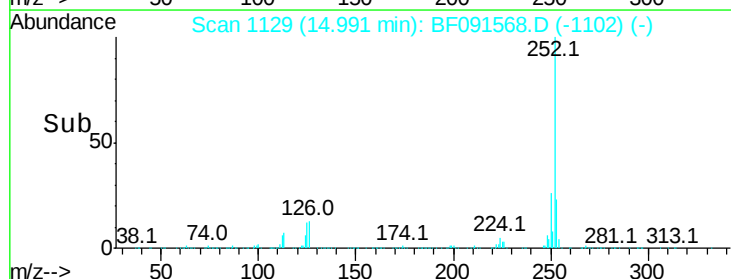
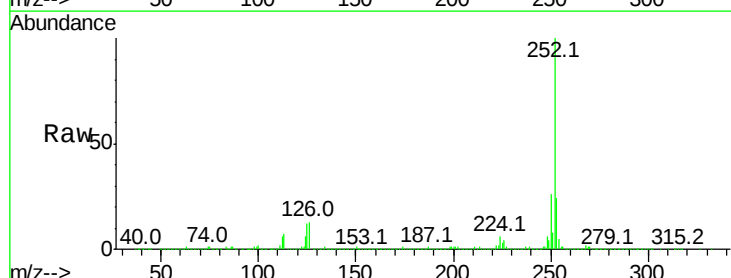
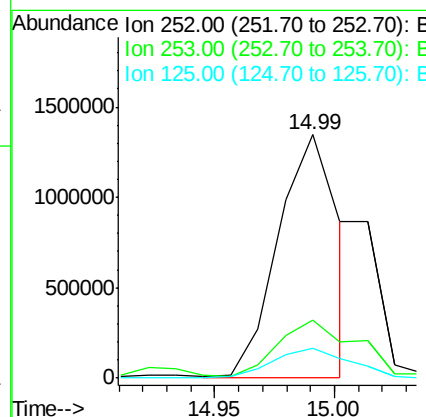
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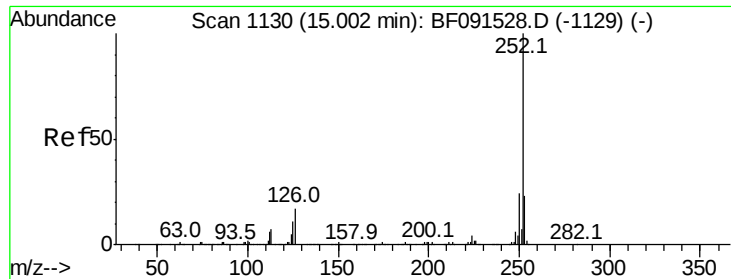
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#87  
Benzo(b)fluoranthene  
Concen: 59.97 ng m  
RT: 14.99 min Scan# 1129  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 18.2  | 27.2  |
| 125     | 12.2  | 8.6   | 13.0  |





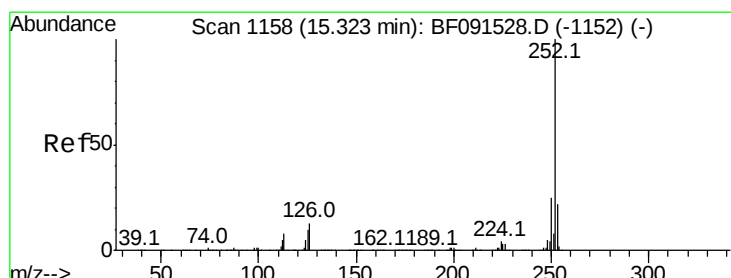
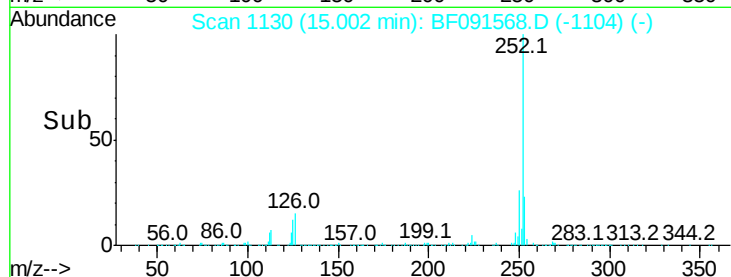
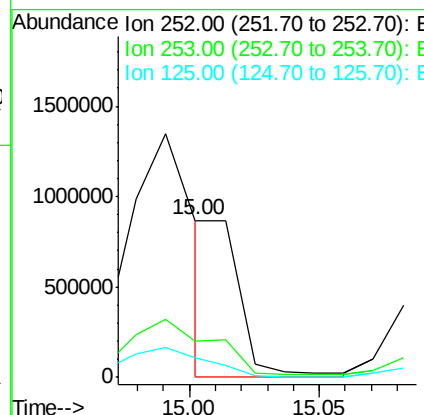
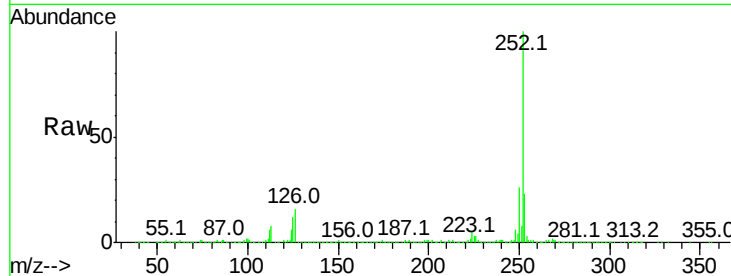
#88  
Benzo(k)fluoranthene  
Concen: 19.72 ng m  
RT: 15.00 min Scan# 1130  
Delta R.T. -0.00 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 692115 |       |       |
| 253     | 23.5  | 17.8   | 26.8  |       |
| 125     | 12.3  | 9.6    | 14.4  |       |

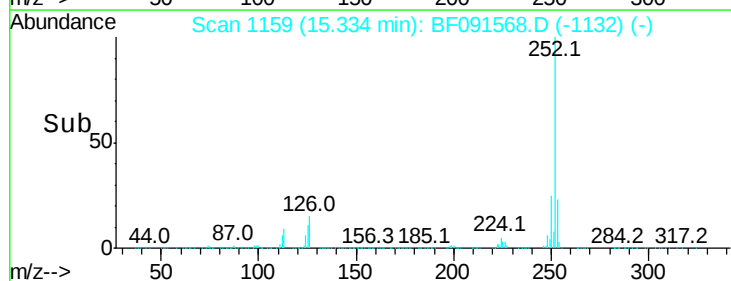
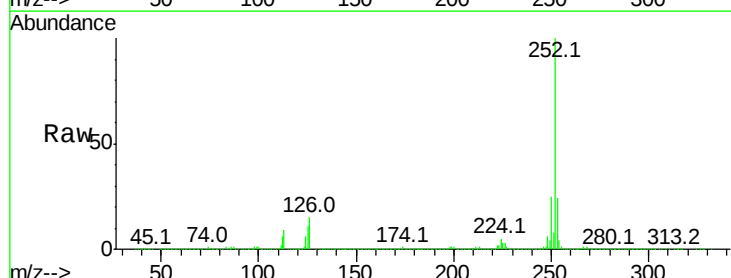
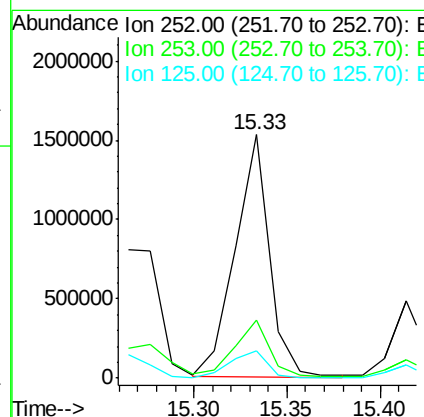
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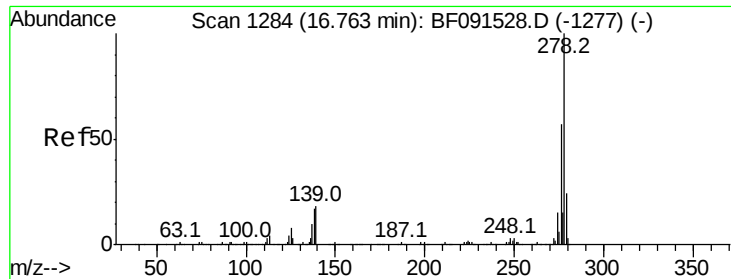
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#89  
Benzo(a)pyrene  
Concen: 54.79 ng  
RT: 15.33 min Scan# 1159  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 252     | 100   | 1969944 |       |       |
| 253     | 23.6  | 18.2    | 27.4  |       |
| 125     | 11.4  | 10.4    | 15.6  |       |





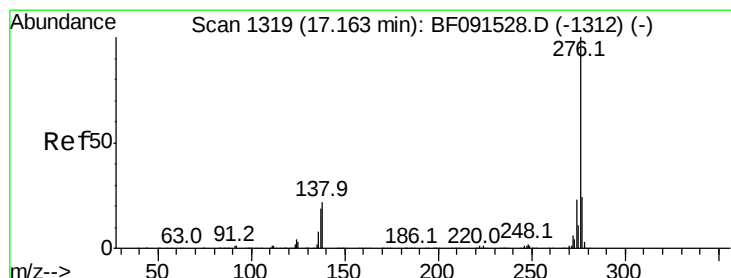
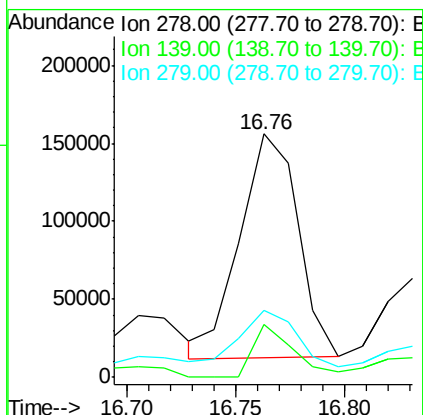
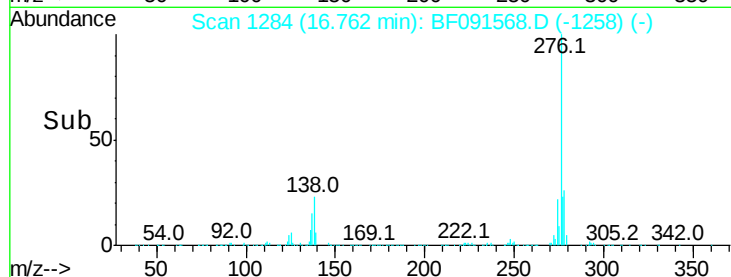
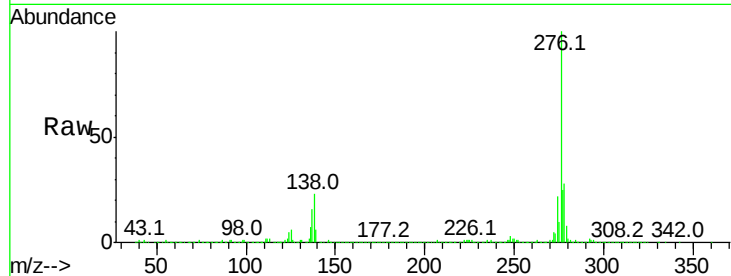
#90  
Dibenzo(a,h)anthracene  
Concen: 8.28 ng  
RT: 16.76 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(6-8)-12-9-16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.7  | 15.1  | 22.7  |
| 279     | 27.3  | 19.0  | 28.6  |

Manual Integrations  
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#91  
Benzo(g,h,i)perylene  
Concen: 35.50 ng m  
RT: 17.17 min Scan# 1320  
Delta R.T. 0.01 min  
Lab File: BF091568.D  
Acq: 13 Dec 2016 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 19.0  | 28.4  |
| 138     | 24.7  | 15.4  | 23.0  |

