

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF053115\  
 Data File : BF079638.D  
 Acq On : 31 May 2015 17:41  
 Operator : TP/IZ  
 Sample : G2408-18 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18S

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Quant Time: Jun 01 04:29:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 04:06:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 57926    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.48  | 136  | 243445   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.65 | 164  | 120717   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.48 | 188  | 235336   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 15.77 | 240  | 210988   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 17.51 | 264  | 272745   | 20.00 | ng    | 0.07     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.18  | 112 | 207862 | 62.24 | ng | 0.01 |
| 7) Phenol-d6                | 6.50  | 99  | 275212 | 64.65 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.61  | 82  | 156280 | 37.11 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 11.63 | 330 | 85622  | 64.58 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.83  | 172 | 336783 | 39.80 | ng | 0.00 |
| 78) Terphenyl-d14           | 14.48 | 244 | 386431 | 42.98 | ng | 0.01 |

|                                |       |     |          |        |    |        |
|--------------------------------|-------|-----|----------|--------|----|--------|
| Target Compounds               |       |     |          |        |    | Qvalue |
| 31) Naphthalene                | 8.51  | 128 | 149966   | 12.84  | ng | 97     |
| 37) 2-Methylnaphthalene        | 9.37  | 142 | 72250    | 8.91   | ng | 98     |
| 45) 1,1'-Biphenyl              | 9.95  | 154 | 31119    | 3.30   | ng | 98     |
| 48) Acenaphthylene             | 10.47 | 152 | 195690   | 15.83  | ng | 99     |
| 49) Dimethylphthalate          | 10.34 | 163 | 51229    | 5.76   | ng | # 99   |
| 51) Acenaphthene               | 10.68 | 154 | 172844   | 24.45  | ng | 100    |
| 54) Dibenzofuran               | 10.90 | 168 | 174559   | 16.74  | ng | 97     |
| 57) Fluorene                   | 11.32 | 166 | 218616   | 25.44  | ng | 98     |
| 70) Phenanthrene               | 12.53 | 178 | 2632830  | 203.93 | ng | 97     |
| 71) Anthracene                 | 12.58 | 178 | 939841   | 71.70  | ng | 99     |
| 72) Carbazole                  | 12.79 | 167 | 186567   | 14.78  | ng | 98     |
| 74) Fluoranthene               | 14.00 | 202 | 3598889  | 259.94 | ng | 94     |
| 77) Pyrene                     | 14.29 | 202 | 3924423  | 300.23 | ng | 96     |
| 80) Benzo(a)anthracene         | 15.76 | 228 | 2502745  | 206.20 | ng | 94     |
| 82) Chrysene                   | 15.81 | 228 | 1953098  | 169.29 | ng | 94     |
| 83) Bis(2-ethylhexyl)phthalate | 15.83 | 149 | 24489    | 2.91   | ng | 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 18.81 | 276 | 1620931  | 109.23 | ng | 95     |
| 87) Benzo(b)fluoranthene       | 17.07 | 252 | 3162207m | 203.28 | ng |        |
| 88) Benzo(k)fluoranthene       | 17.10 | 252 | 643031m  | 46.23  | ng |        |
| 89) Benzo(a)pyrene             | 17.46 | 252 | 2232643  | 168.98 | ng | 95     |
| 90) Dibenzo(a,h)anthracene     | 18.82 | 278 | 393902m  | 26.99  | ng |        |
| 91) Benzo(g,h,i)perylene       | 19.19 | 276 | 1613430  | 103.52 | ng | 99     |

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

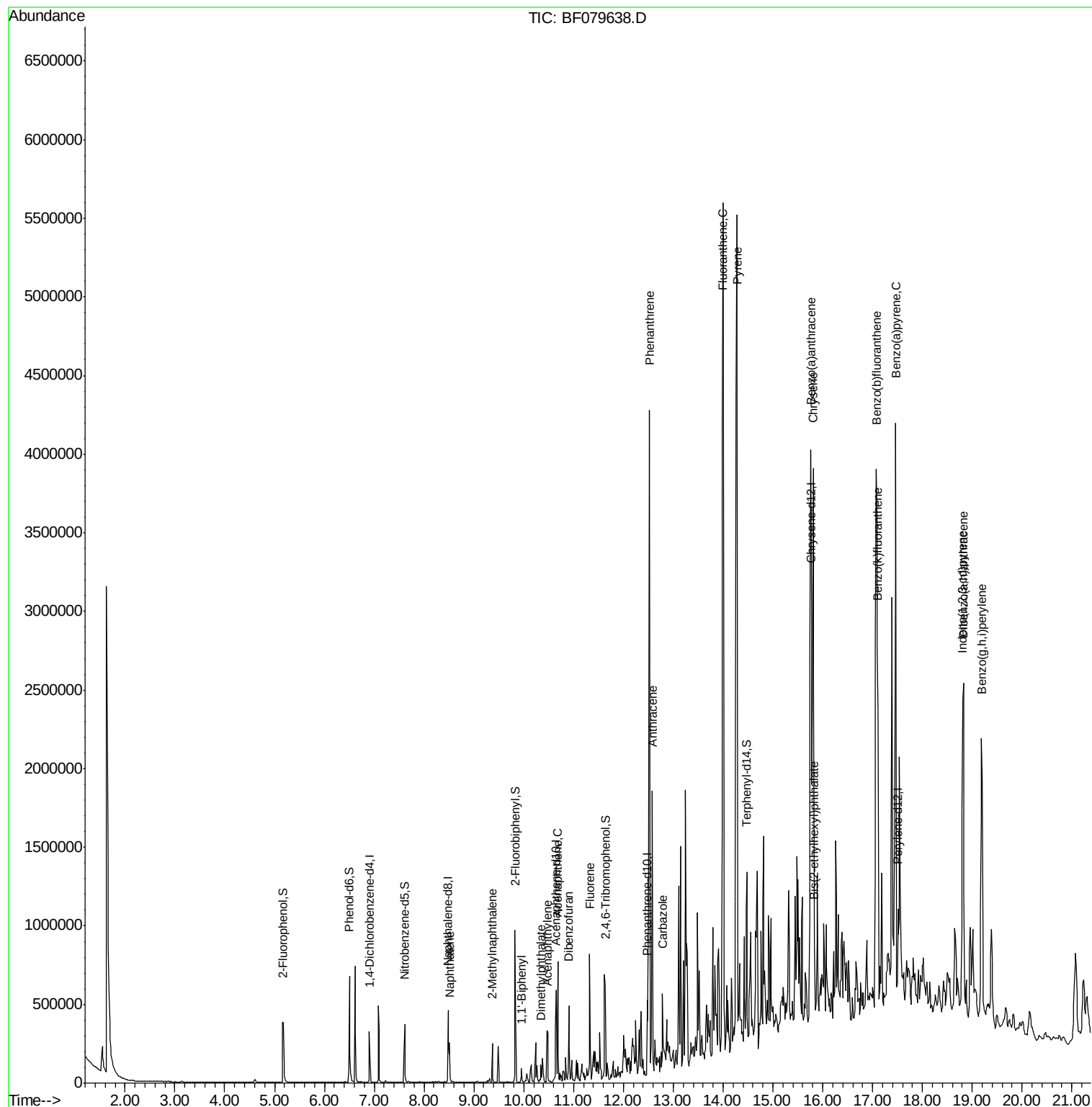
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF053115\  
Data File : BF079638.D  
Acq On : 31 May 2015 17:41  
Operator : TP/IZ  
Sample : G2408-18 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

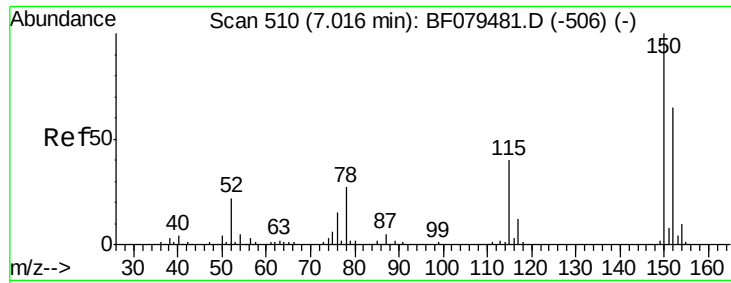
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Jun 01 04:29:11 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 01 04:06:42 2015  
Response via : Initial Calibration





#1

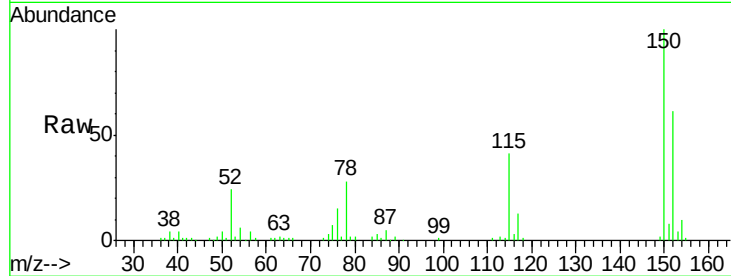
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.90 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
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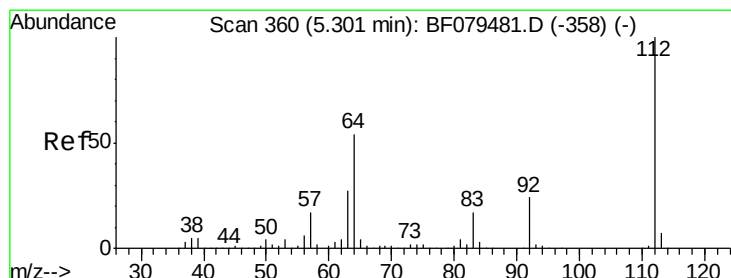
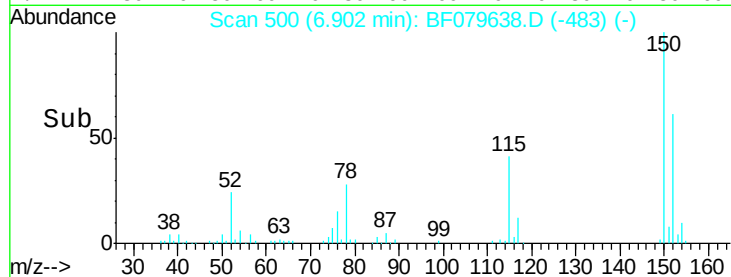
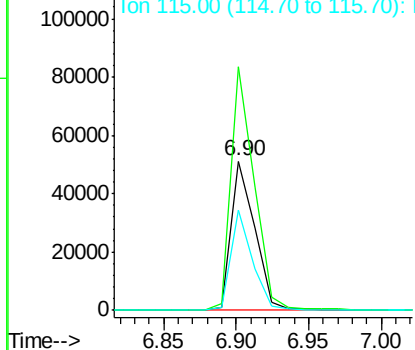
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.0 | 124.0 | 186.0 |
| 115     | 67.4  | 49.6  | 74.4  |

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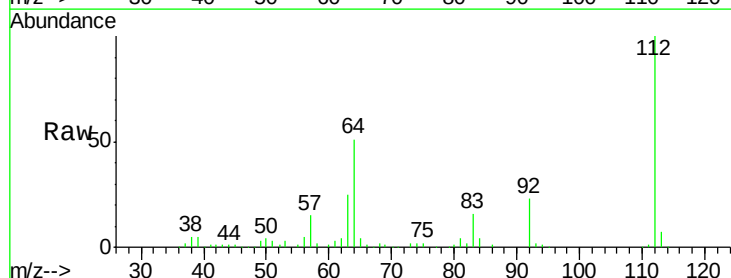
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



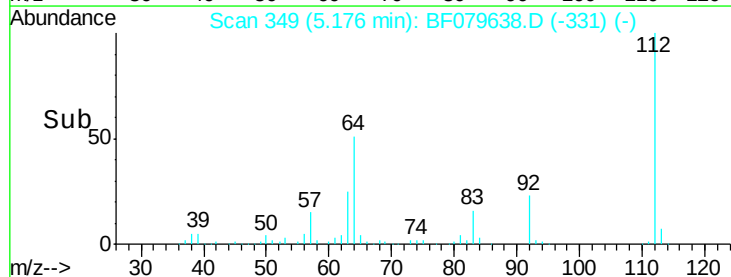
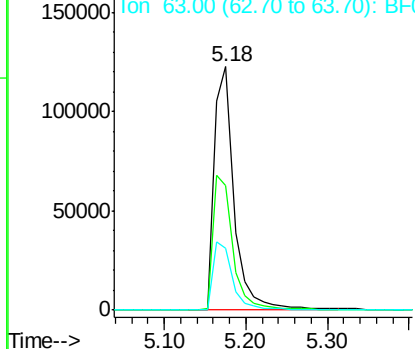
#5

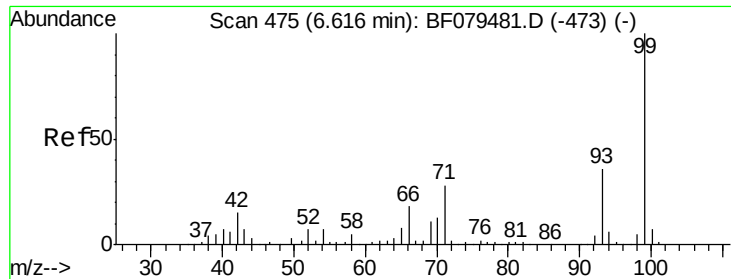
2-Fluorophenol  
Concen: 62.24 ng  
RT: 5.18 min Scan# 349  
Delta R.T. 0.01 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.3  | 43.5  | 65.3  |
| 63      | 25.3  | 21.8  | 32.8  |



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





#7

Phenol-d6

Concen: 64.65 ng

RT: 6.50 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF079638.D

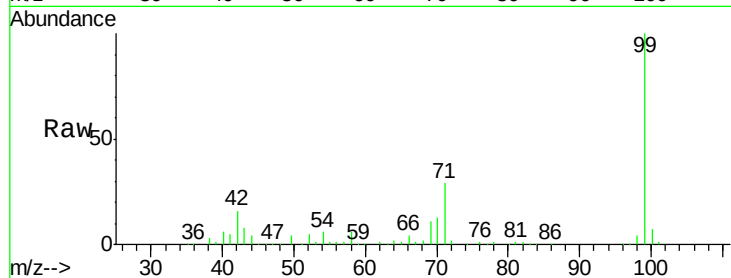
Acq: 31 May 2015 17:41

Instrument :

BNA\_F

ClientSampleId :

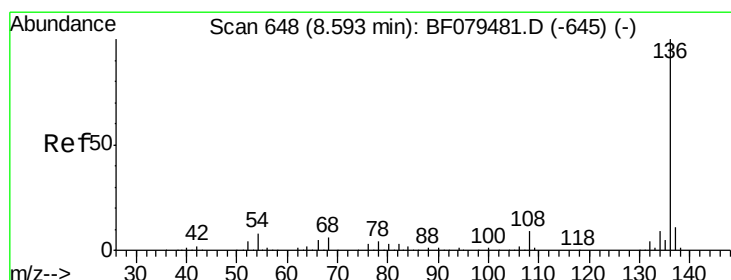
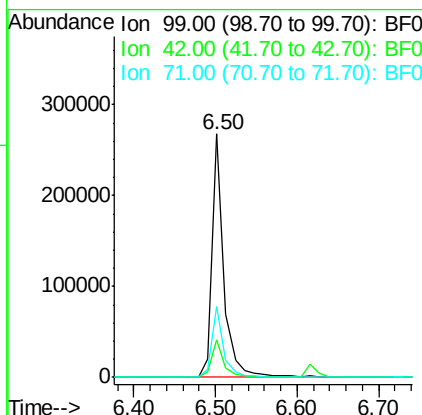
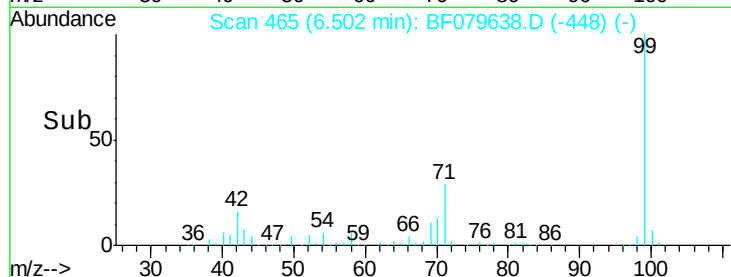
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 15.7  | 11.9  | 17.9  |
| 71      | 29.1  | 22.1  | 33.1  |

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#21

Naphthalene-d8

Concen: 20.00 ng

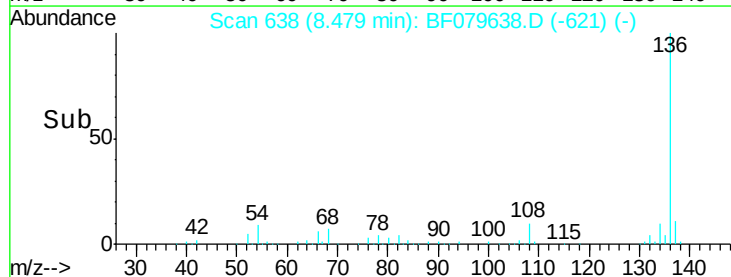
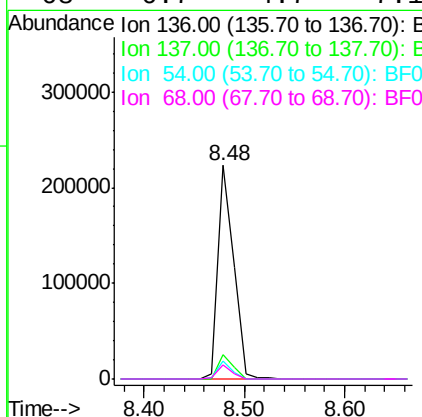
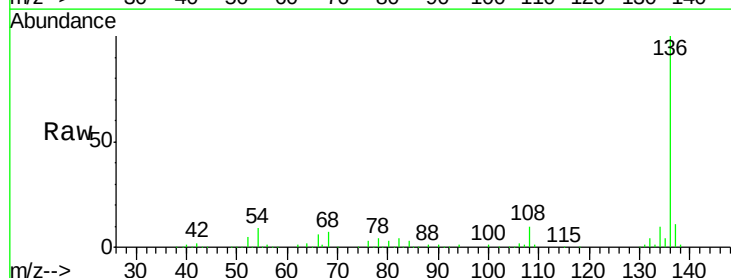
RT: 8.48 min Scan# 638

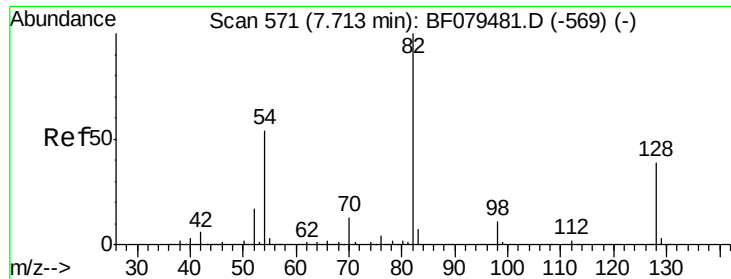
Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.2  | 8.5   | 12.7  |
| 54      | 8.6   | 6.6   | 9.8   |
| 68      | 6.7   | 4.7   | 7.1   |





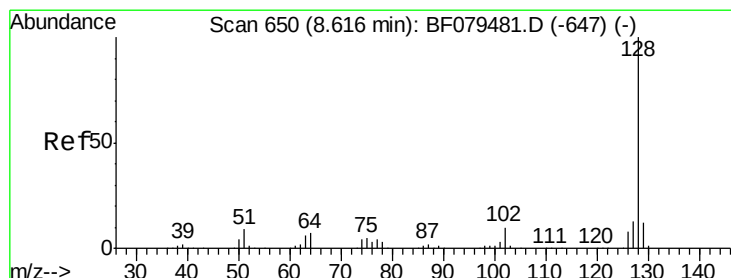
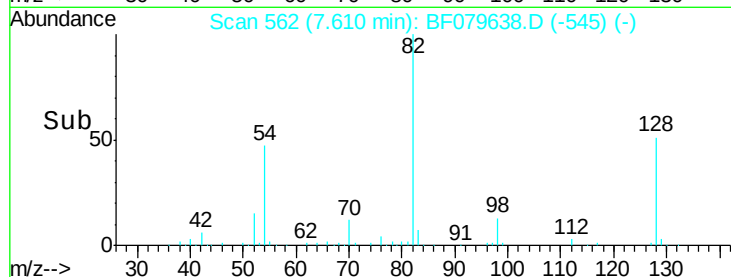
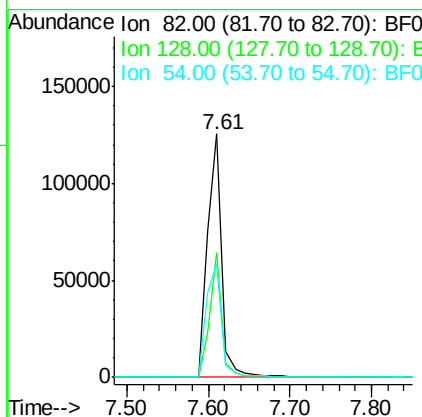
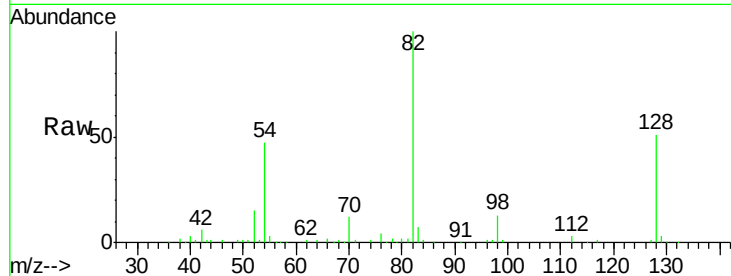
#23  
 Nitrobenzene-d5  
 Concen: 37.11 ng  
 RT: 7.61 min Scan# 562  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
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| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 156280 |       |       |
| 128     | 51.4  | 30.8   | 46.2# |       |
| 54      | 46.6  | 42.8   | 64.2  |       |

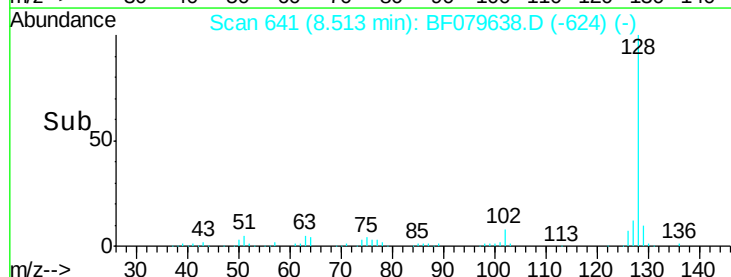
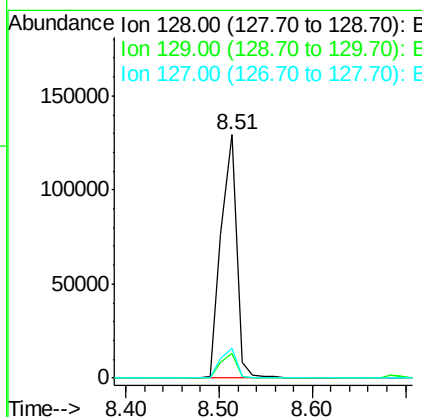
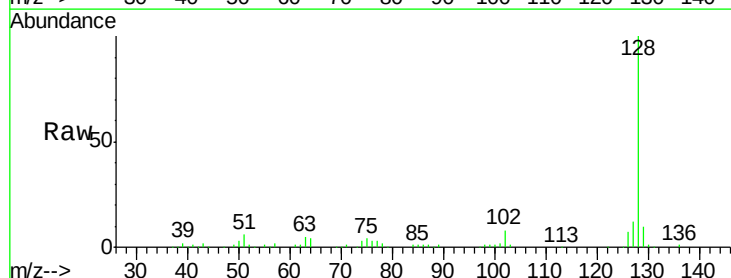
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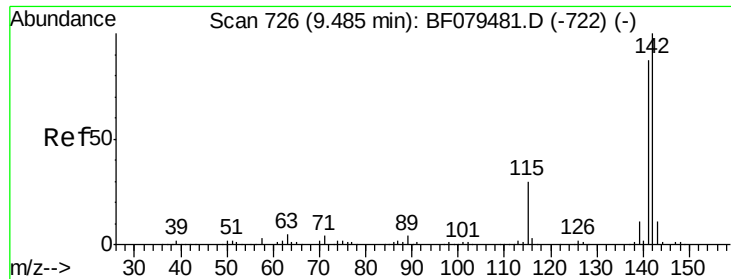
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#31  
 Naphthalene  
 Concen: 12.84 ng  
 RT: 8.51 min Scan# 641  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 149966 |       |       |
| 129     | 10.2  | 9.3    | 13.9  |       |
| 127     | 12.5  | 10.6   | 15.8  |       |





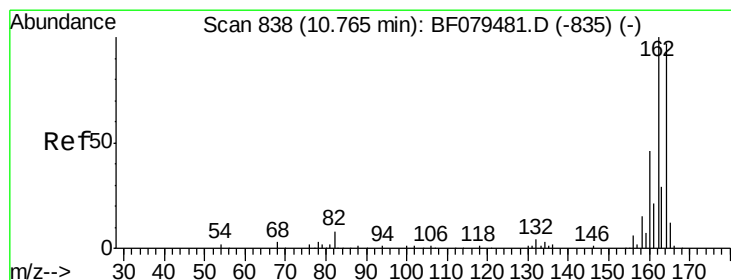
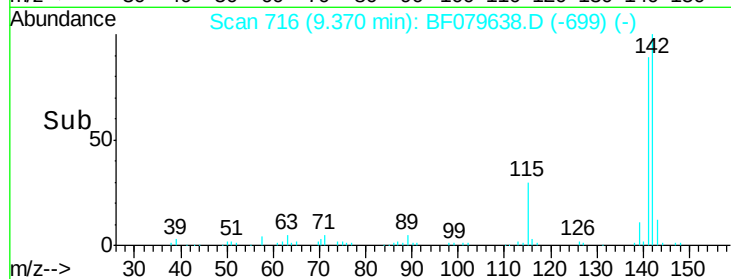
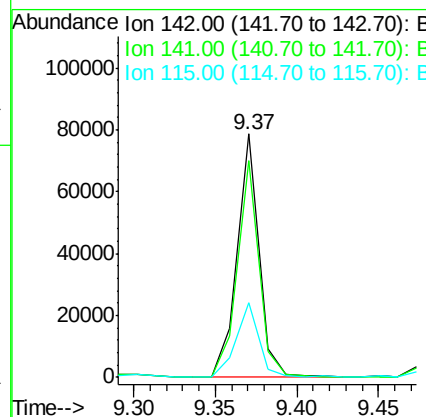
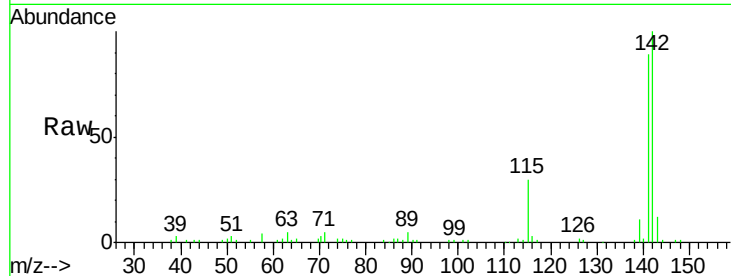
#37  
 2-Methylnaphthalene  
 Concen: 8.91 ng  
 RT: 9.37 min Scan# 716  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-18S

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 72250 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.8  | 69.5  | 104.3 |
| 115       | 30.5  | 23.8  | 35.6  |

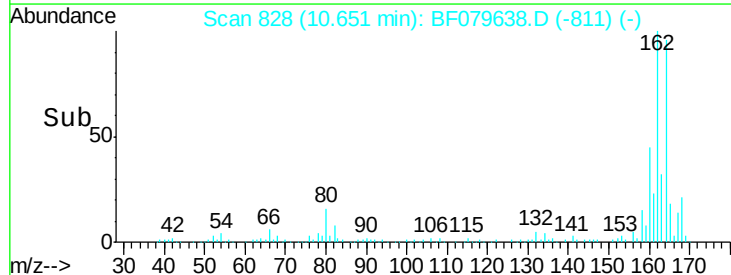
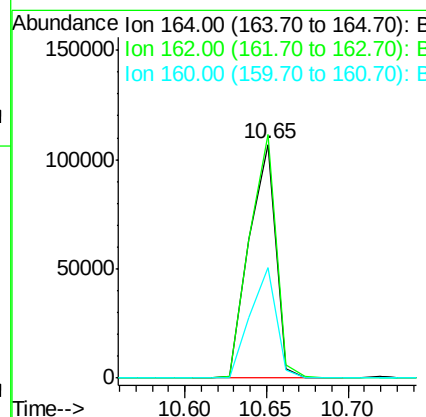
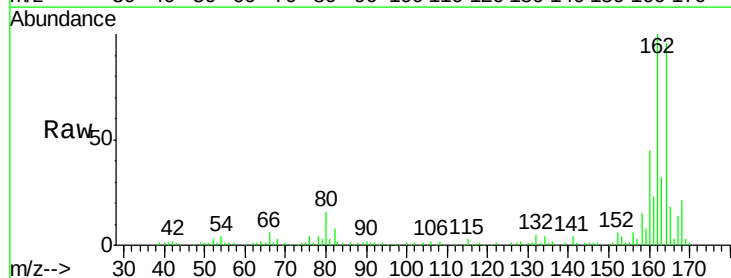
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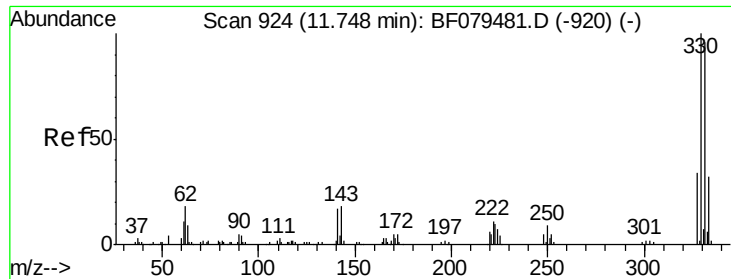
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.65 min Scan# 828  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 120717 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.2 | 82.6  | 124.0  |
| 160       | 47.2  | 37.7  | 56.5   |





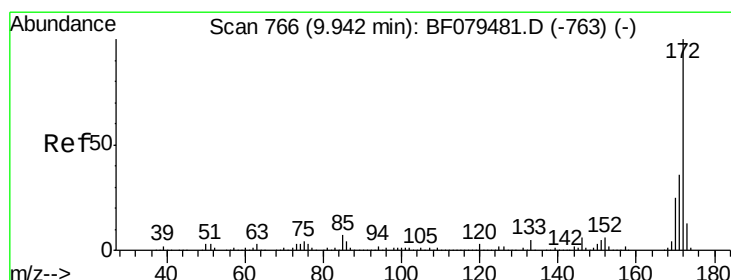
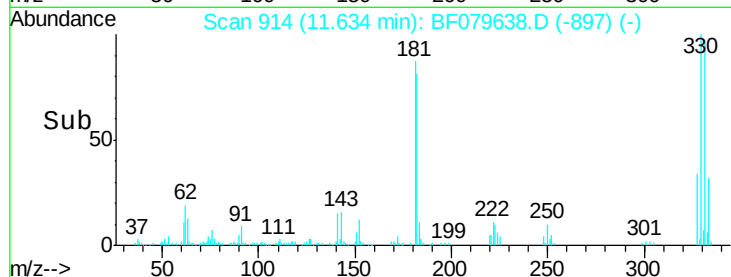
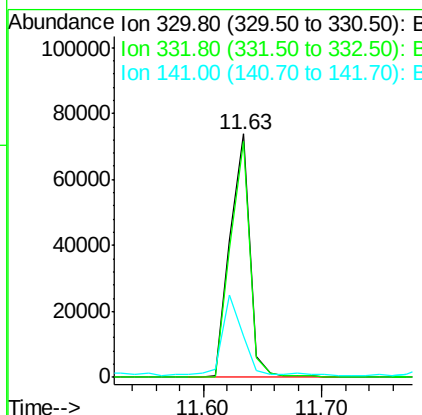
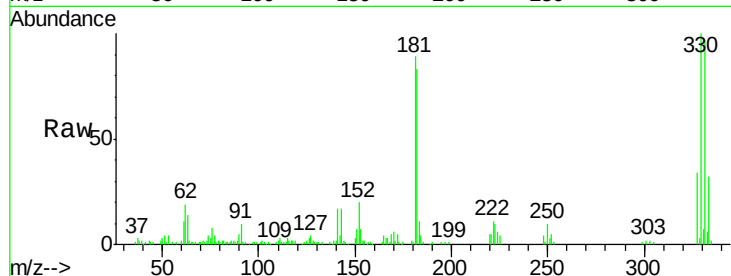
#41  
 2,4,6-Tribromophenol  
 Concen: 64.58 ng  
 RT: 11.63 min Scan# 914  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-18S

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 330     | 100   |            |            |
| 332     | 95.6  | 0.0        | 0.0#       |
| 141     | 34.7  | 0.0        | 0.0#       |

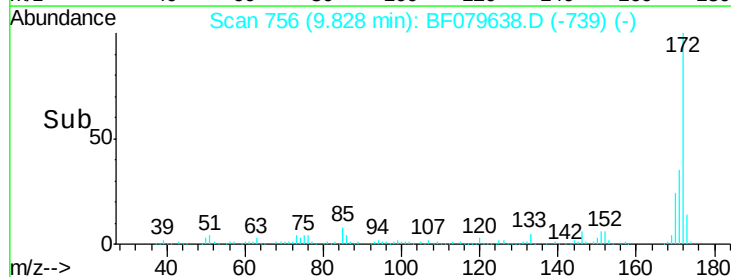
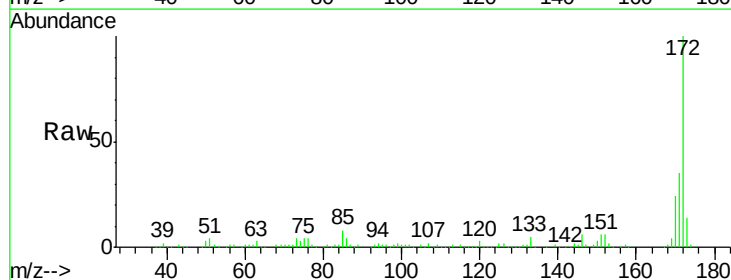
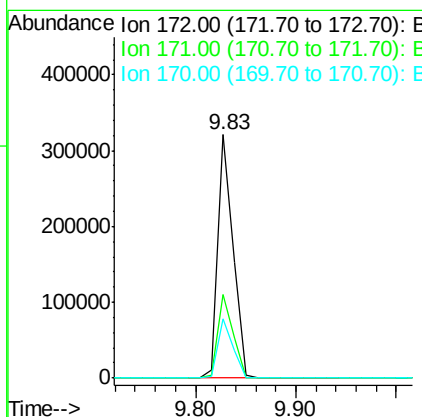
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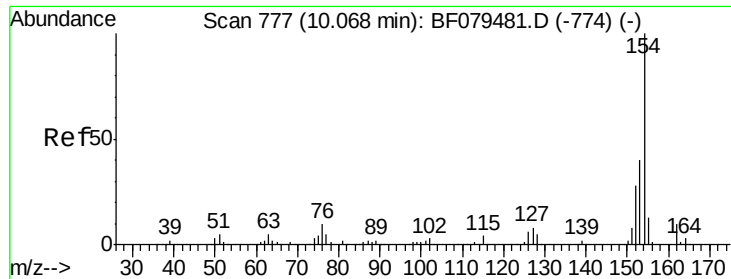
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#44  
 2-Fluorobiphenyl  
 Concen: 39.80 ng  
 RT: 9.83 min Scan# 756  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 172     | 100   |            |            |
| 171     | 34.6  | 28.5       | 42.7       |
| 170     | 24.4  | 19.7       | 29.5       |





#45

1,1'-Biphenyl

Concen: 3.30 ng

RT: 9.95 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA\_F

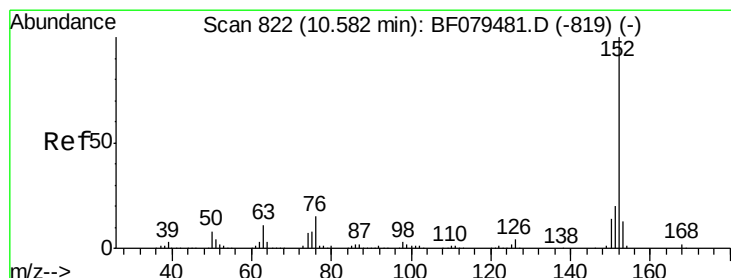
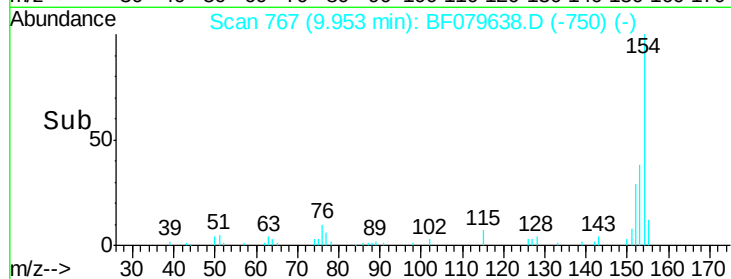
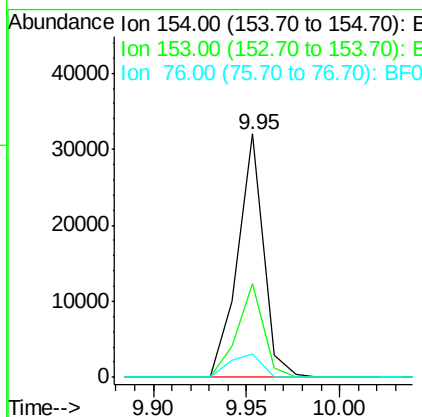
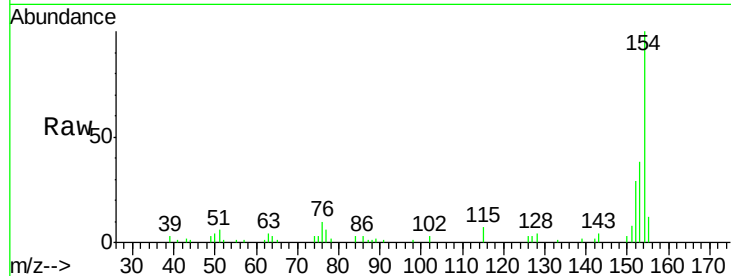
ClientSampleId :

SB-18S

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 31119 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 38.3  | 19.5  | 59.5  |
| 76        | 9.6   | 0.0   | 29.6  |

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#48

Acenaphthylene

Concen: 15.83 ng

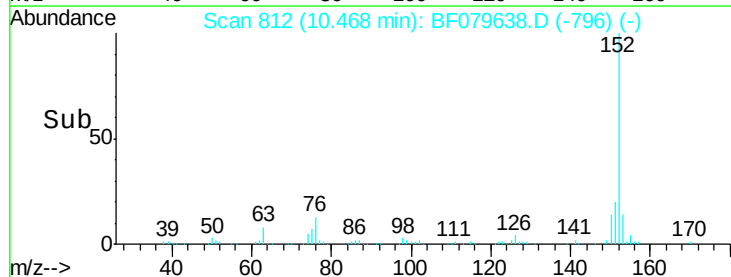
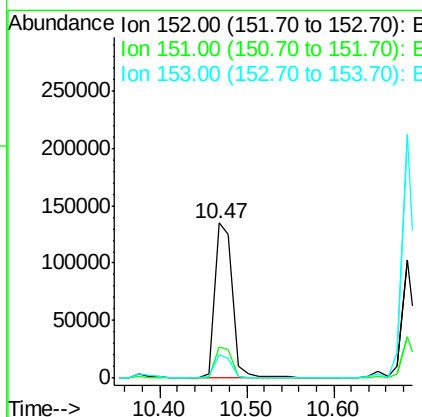
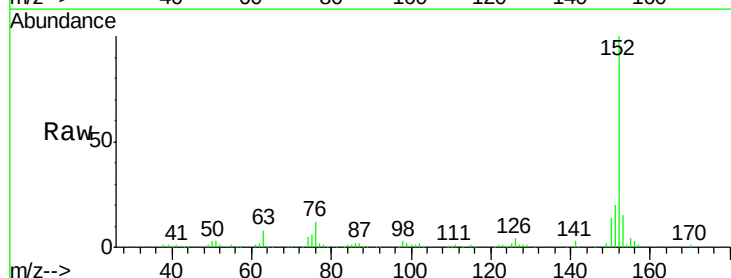
RT: 10.47 min Scan# 812

Delta R.T. -0.01 min

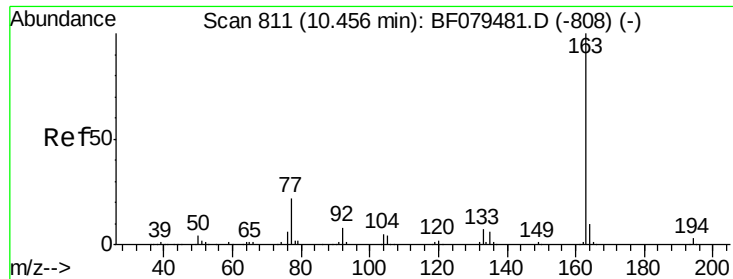
Lab File: BF079638.D

Acq: 31 May 2015 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 195690 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.9  | 15.8  | 23.8   |
| 153       | 14.8  | 10.7  | 16.1   |







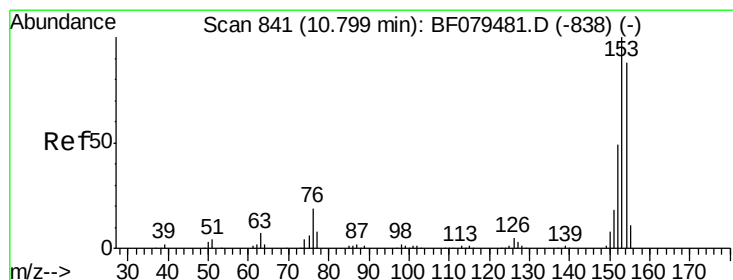
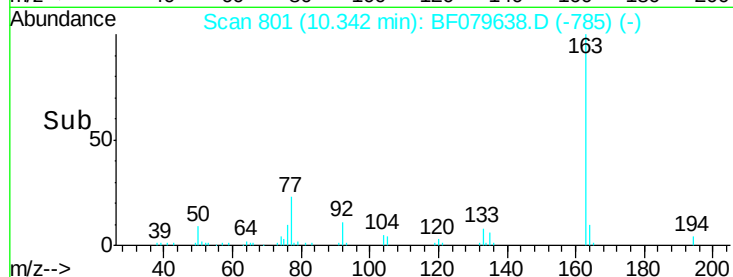
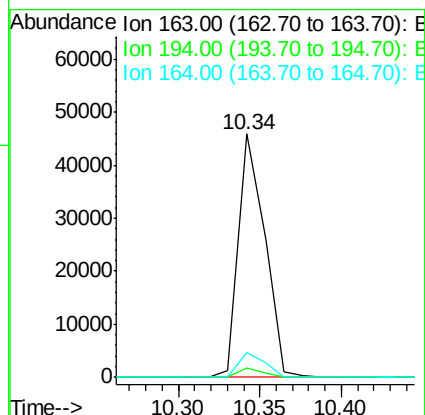
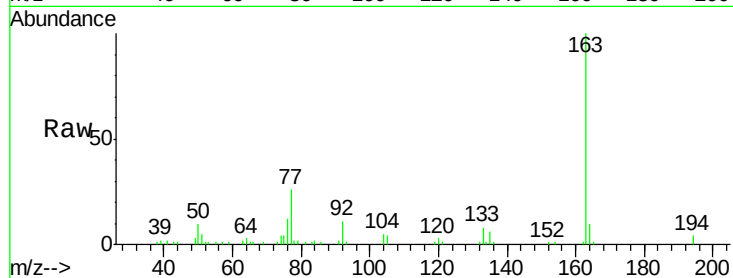
#49  
Dimethylphthalate  
Concen: 5.76 ng  
RT: 10.34 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18S

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 51229 |       |       |
| 194     | 3.7   | 2.4   | 3.6#  |       |
| 164     | 10.0  | 8.2   | 12.4  |       |

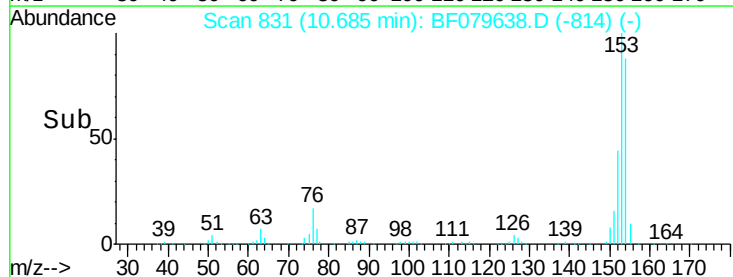
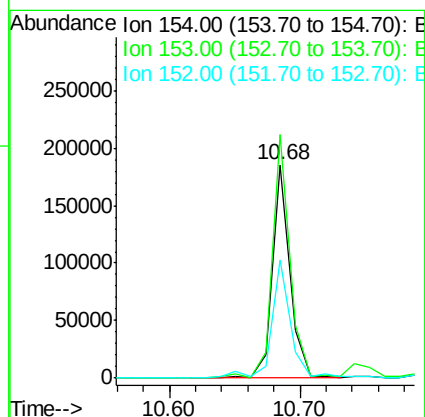
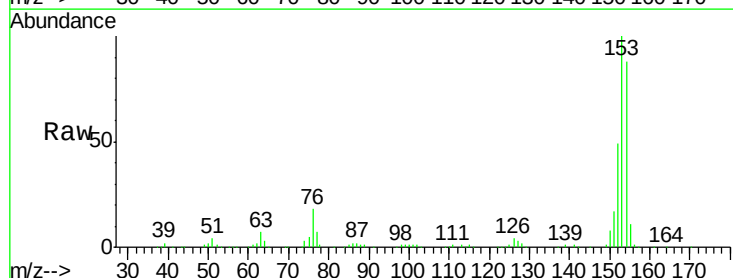
Manual Integrations  
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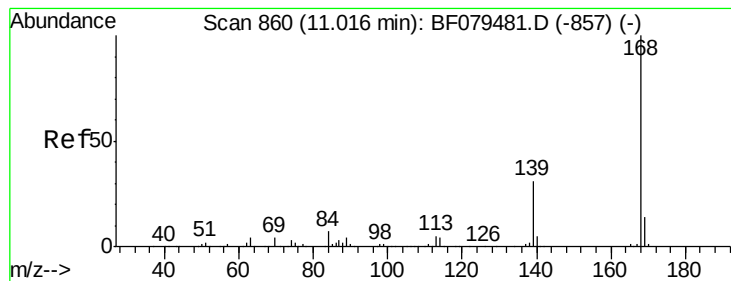
apatel  
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#51  
Acenaphthene  
Concen: 24.45 ng  
RT: 10.68 min Scan# 831  
Delta R.T. -0.00 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 172844 |       |       |
| 153     | 114.0 | 91.1   | 136.7 |       |
| 152     | 55.6  | 44.6   | 66.8  |       |





#54

Dibenzofuran

Concen: 16.74 ng

RT: 10.90 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF079638.D

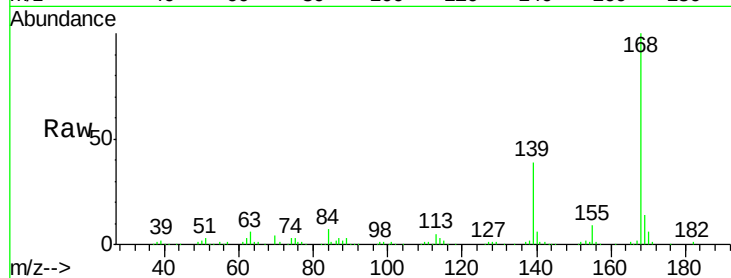
Acq: 31 May 2015 17:41

Instrument :

BNA\_F

ClientSampled :

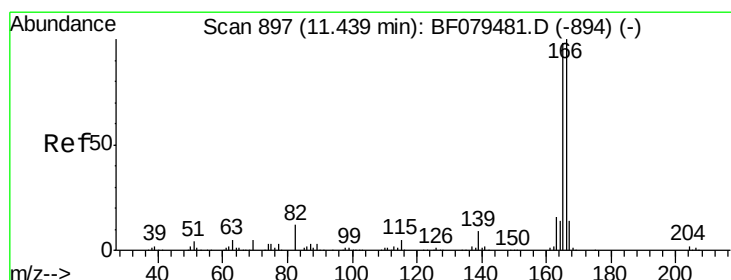
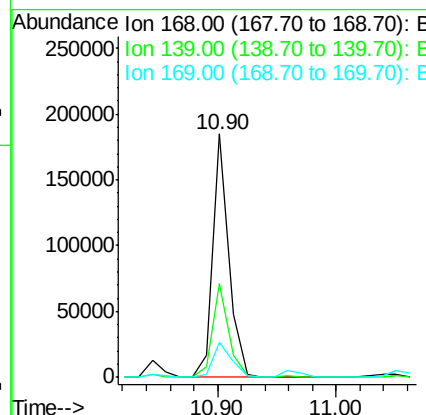
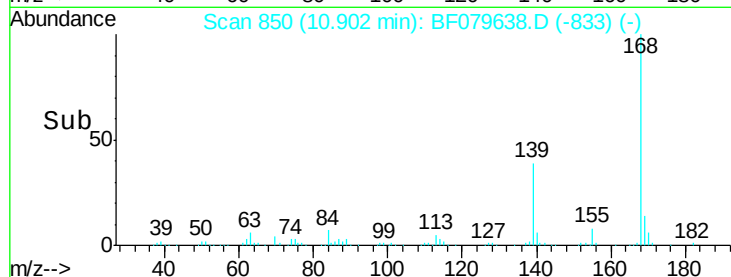
SB-18S



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.8  | 32.9  | 49.3  |
| 169     | 14.2  | 11.1  | 16.7  |

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#57

Fluorene

Concen: 25.44 ng

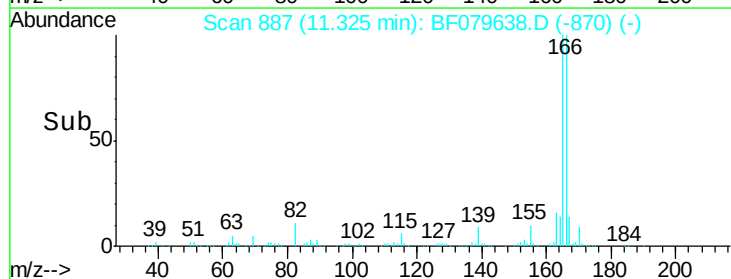
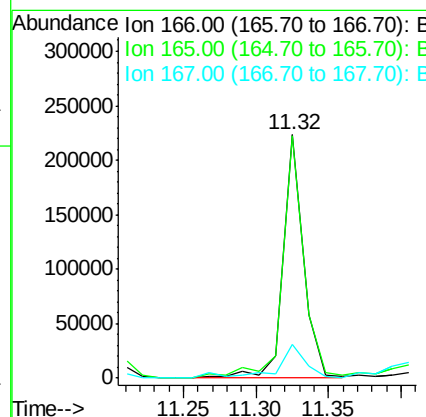
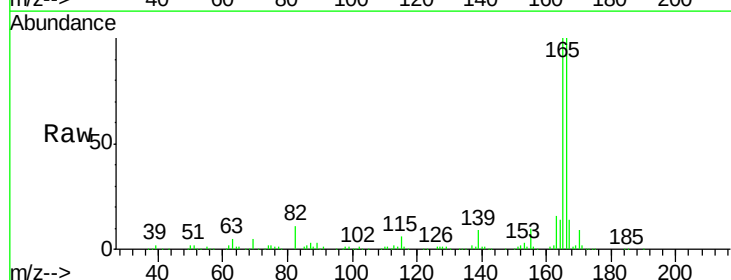
RT: 11.32 min Scan# 887

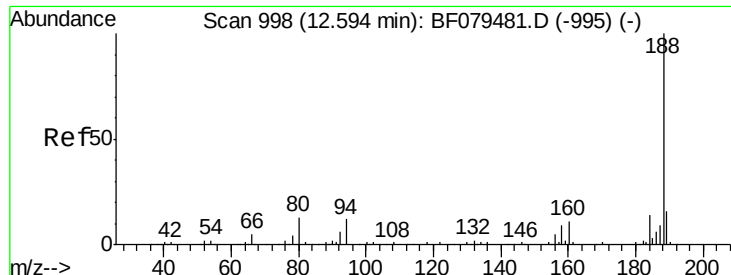
Delta R.T. -0.00 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.8  | 78.6  | 117.8 |
| 167     | 14.0  | 10.8  | 16.2  |





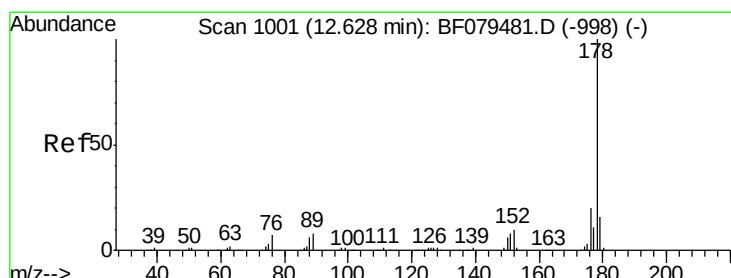
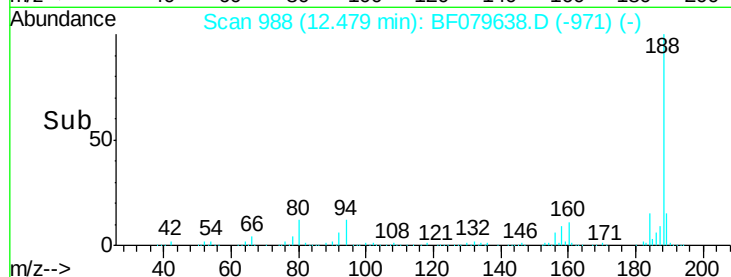
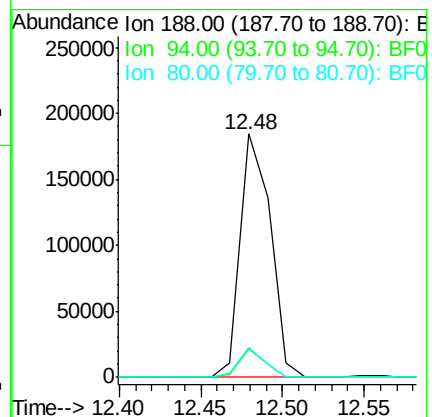
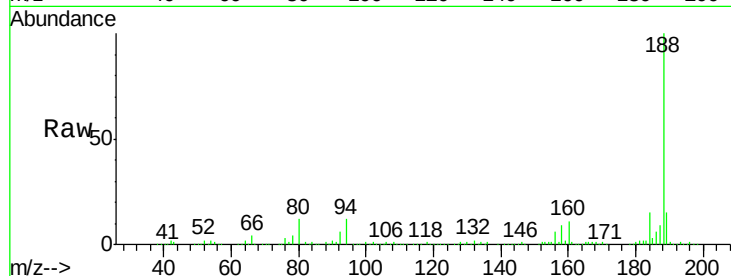
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.48 min Scan# 988  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SB-18S

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 11.8  | 9.8        | 14.6       |
| 80      | 12.4  | 10.5       | 15.7       |

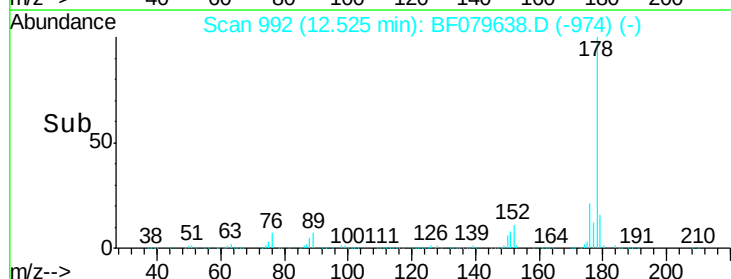
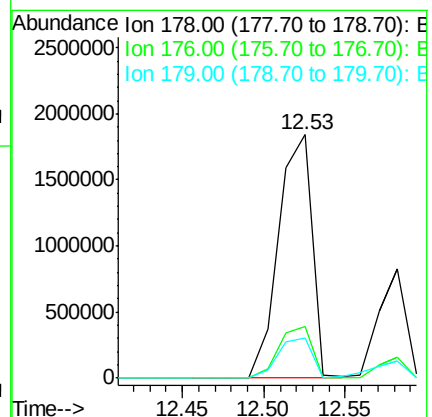
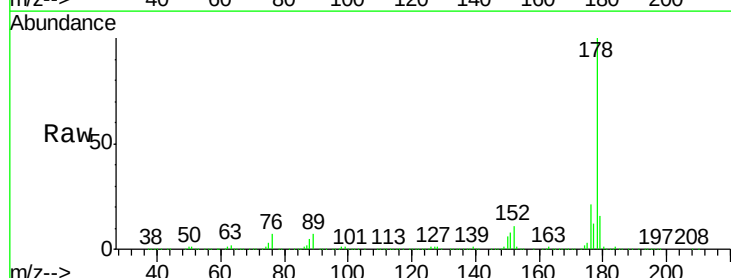
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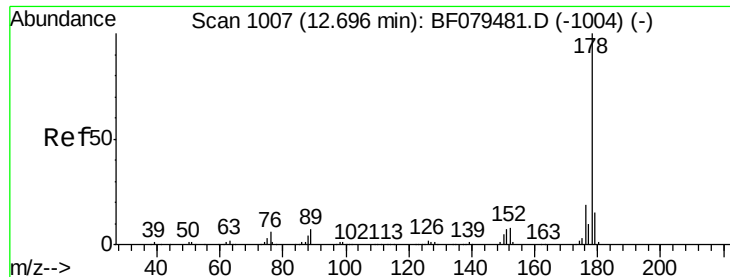
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#70  
 Phenanthrene  
 Concen: 203.93 ng  
 RT: 12.53 min Scan# 992  
 Delta R.T. 0.01 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 21.4  | 15.7       | 23.5       |
| 179     | 16.4  | 12.4       | 18.6       |





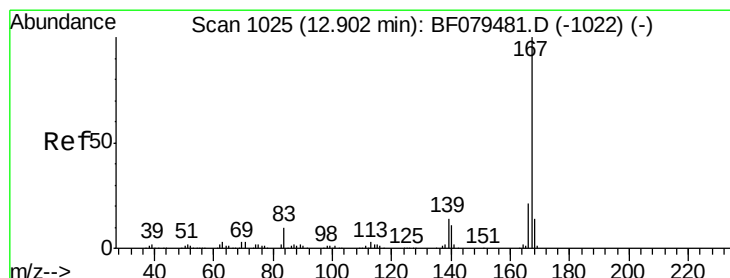
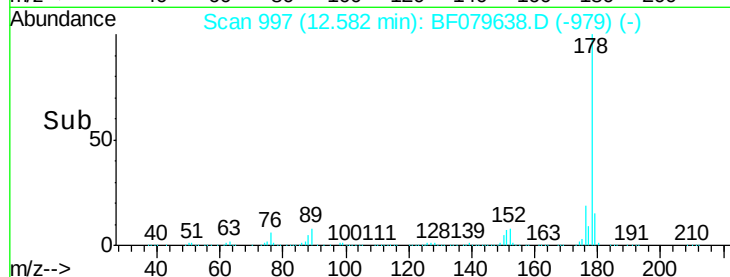
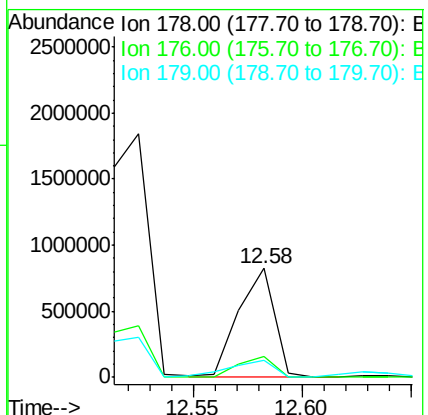
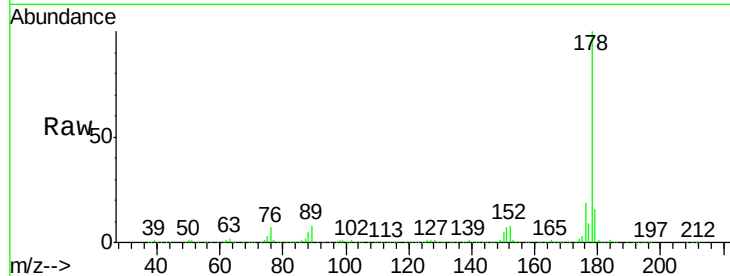
#71  
 Anthracene  
 Concen: 71.70 ng  
 RT: 12.58 min Scan# 997  
 Delta R.T. 0.01 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SB-18S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.3  | 22.9  |
| 179     | 15.6  | 12.2  | 18.4  |

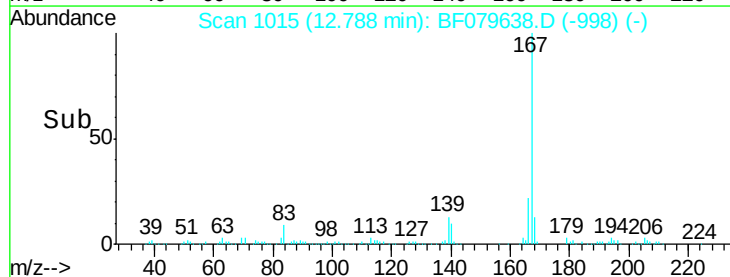
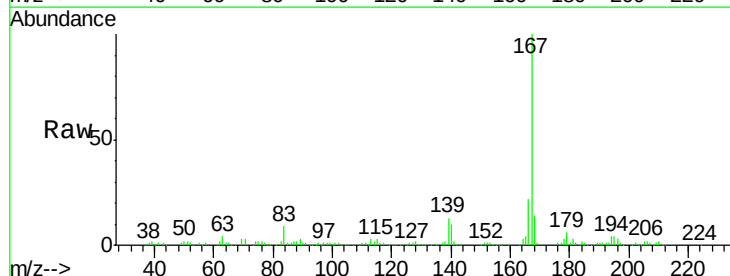
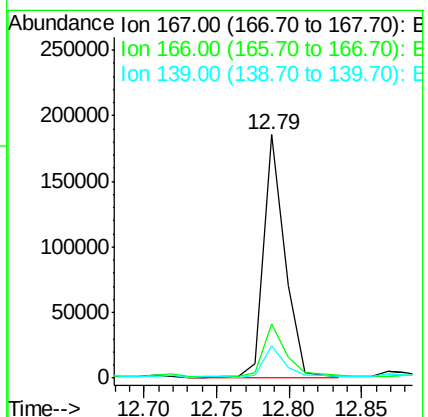
Manual Integrations  
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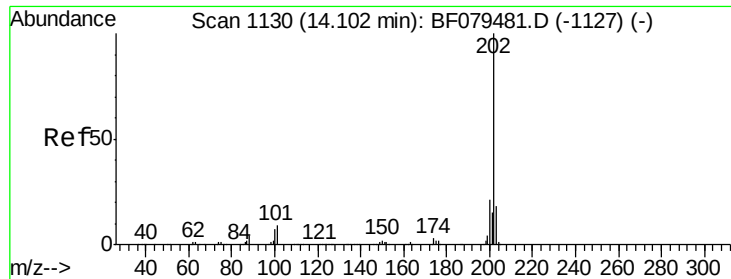
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#72  
 Carbazole  
 Concen: 14.78 ng  
 RT: 12.79 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.0  | 25.4  |
| 139     | 13.4  | 11.2  | 16.8  |





#74

Fluoranthene

Concen: 259.94 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA\_F

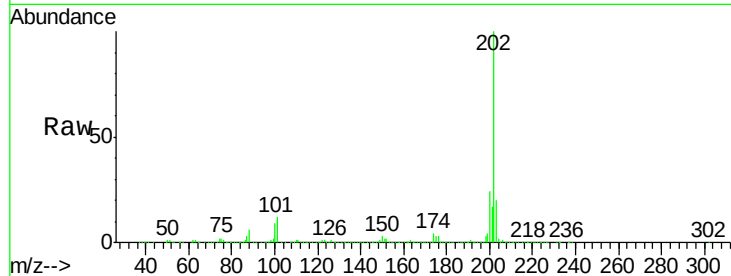
ClientSampleId :

SB-18S

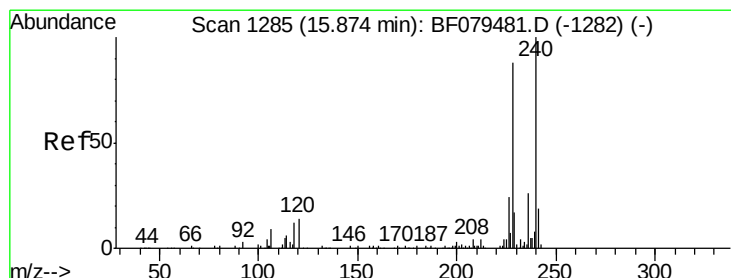
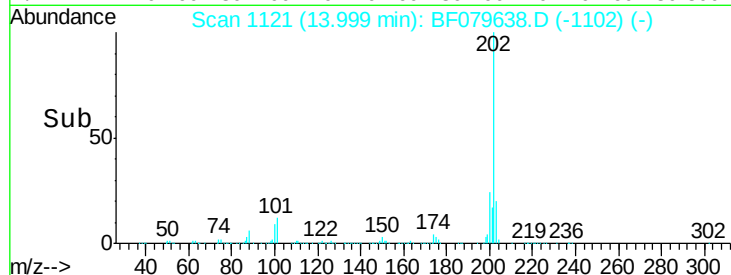
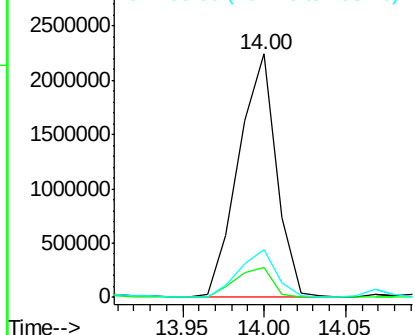
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 202   | Resp: | 3598889 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 12.3  | 0.0   | 29.3    |
| 203      | 19.9  | 0.0   | 37.6    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

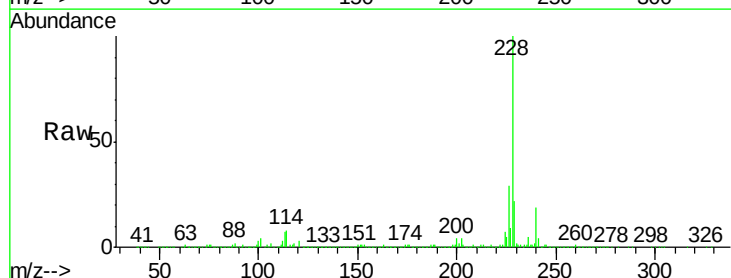
RT: 15.77 min Scan# 1276

Delta R.T. 0.02 min

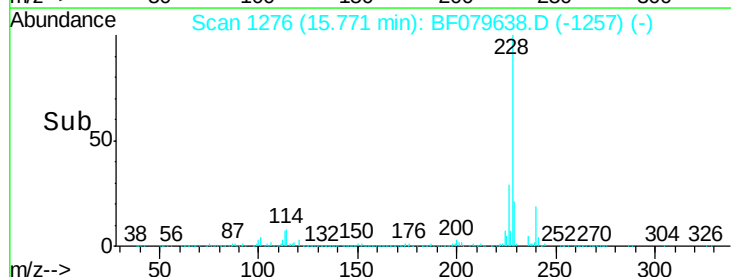
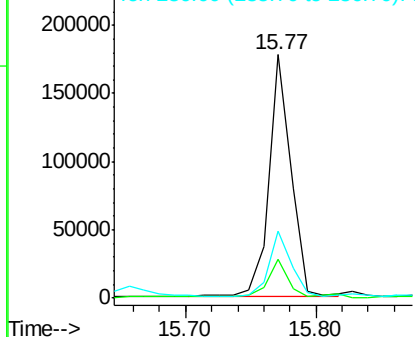
Lab File: BF079638.D

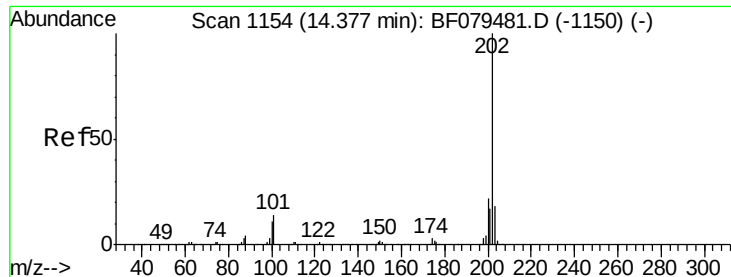
Acq: 31 May 2015 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 210988 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 15.7  | 10.8  | 16.2   |
| 236      | 27.4  | 21.0  | 31.6   |



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: 300.23 ng

RT: 14.29 min Scan# 1146

Delta R.T. 0.03 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA\_F

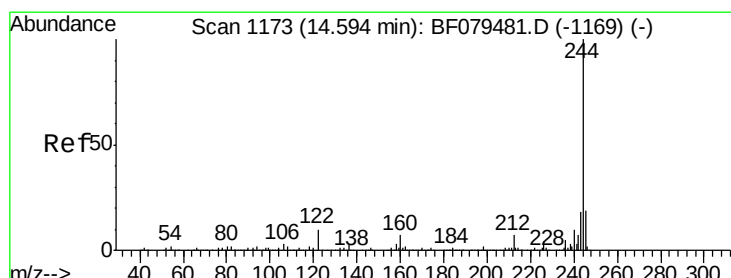
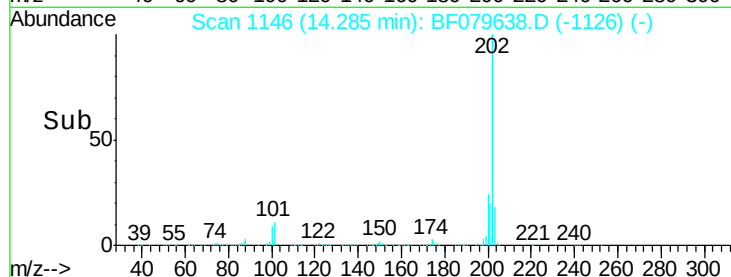
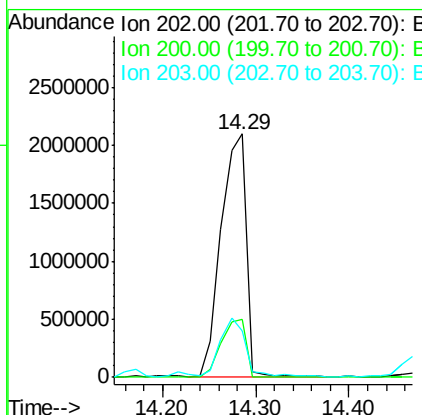
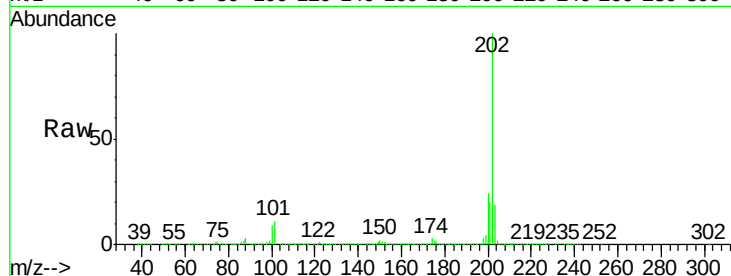
ClientSampled :

SB-18S

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 202   | Resp: | 3924423 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 24.0  | 17.5  | 26.3    |
| 203      | 19.1  | 14.4  | 21.6    |

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#78

Terphenyl-d14

Concen: 42.98 ng

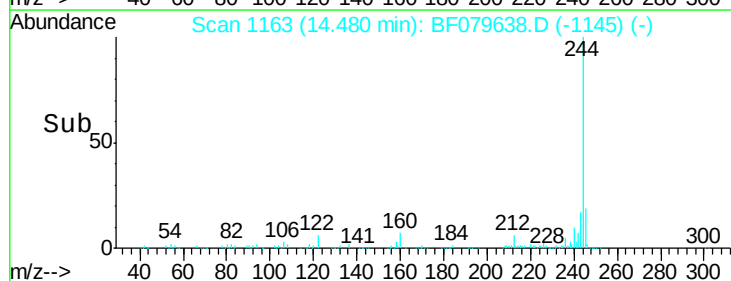
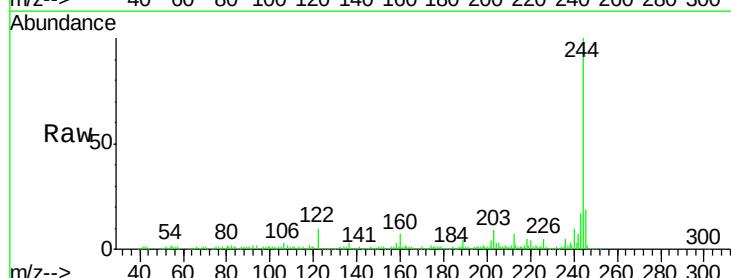
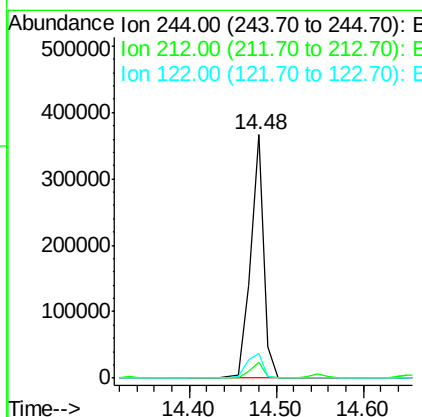
RT: 14.48 min Scan# 1163

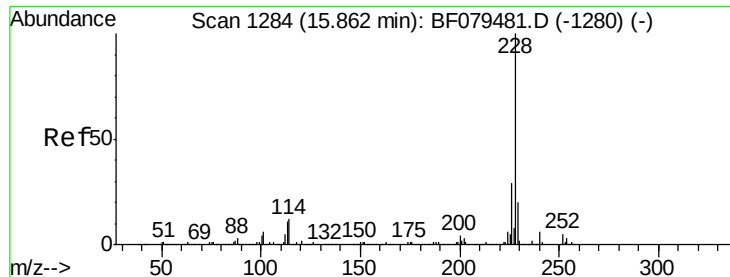
Delta R.T. 0.01 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 386431 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 6.6   | 5.2   | 7.8    |
| 122      | 10.3  | 8.0   | 12.0   |





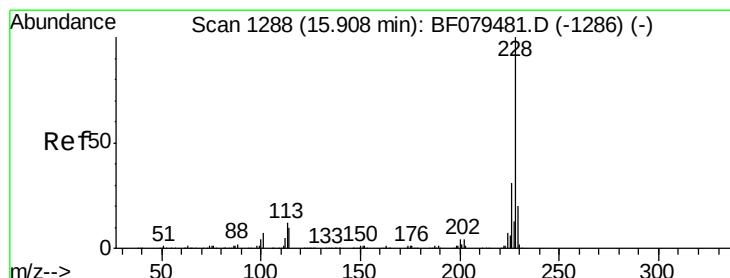
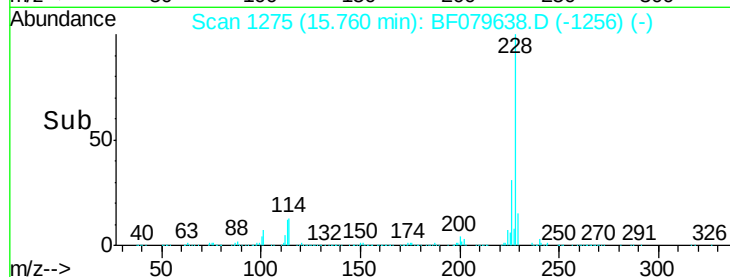
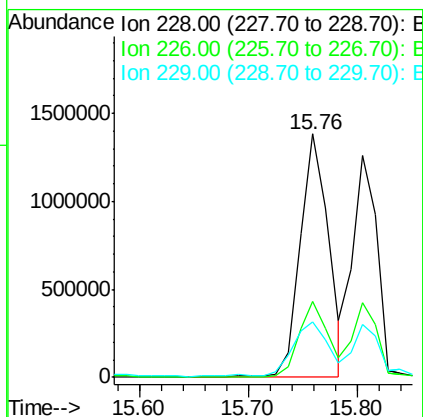
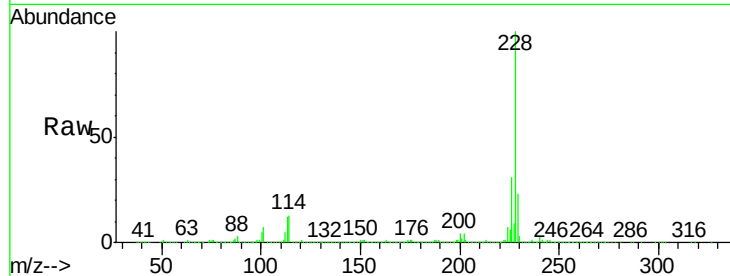
#80  
Benzo(a)anthracene  
Concen: 206.20 ng  
RT: 15.76 min Scan# 1275  
Delta R.T. 0.02 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18S

Tgt Ion:228 Resp: 2502745  
Ion Ratio Lower Upper  
228 100  
226 31.4 22.8 34.2  
229 22.9 15.9 23.9

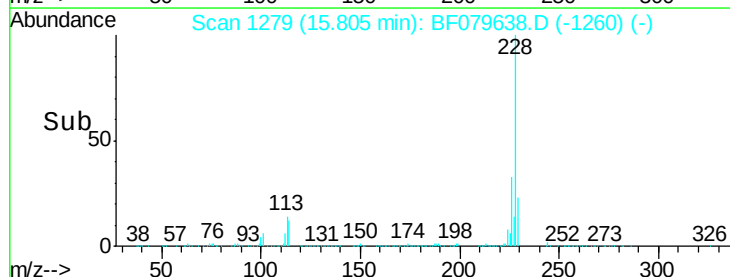
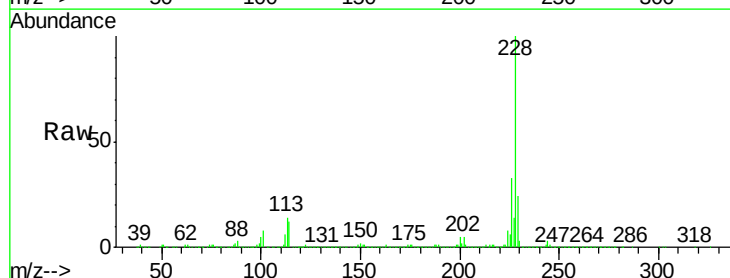
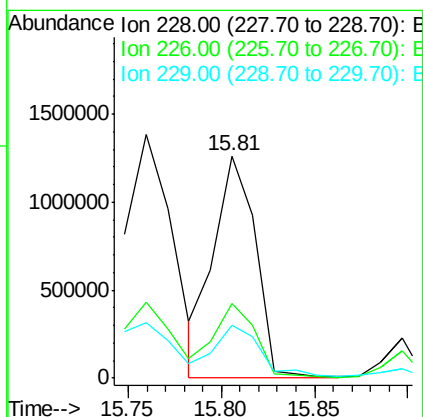
Manual Integrations  
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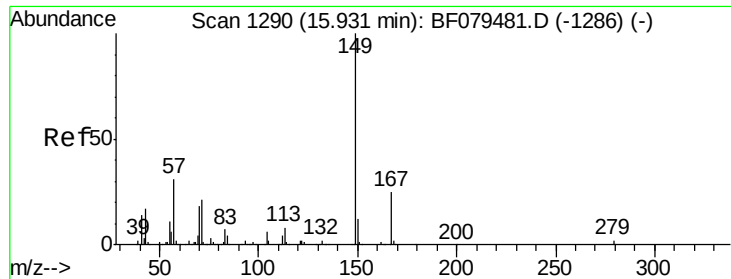
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#82  
Chrysene  
Concen: 169.29 ng  
RT: 15.81 min Scan# 1279  
Delta R.T. 0.02 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Tgt Ion:228 Resp: 1953098  
Ion Ratio Lower Upper  
228 100  
226 33.4 25.0 37.4  
229 23.7 15.9 23.9





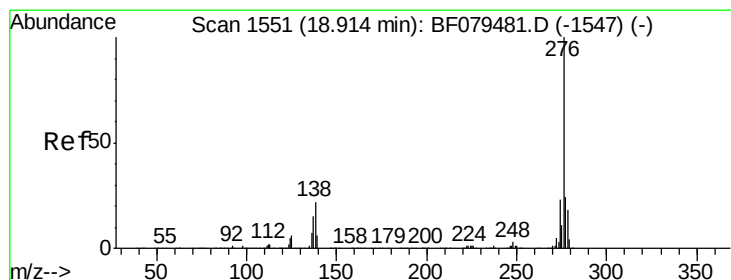
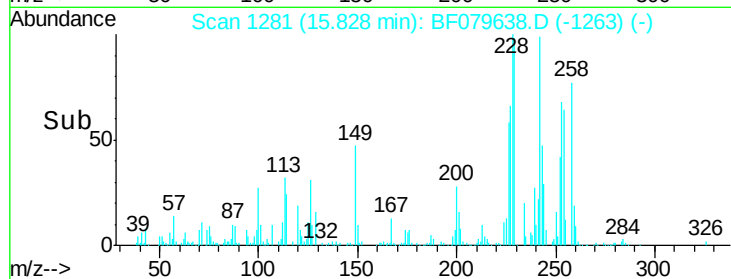
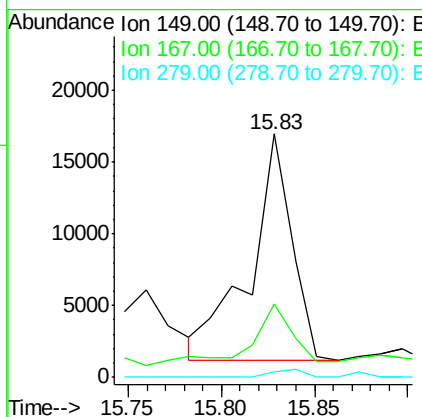
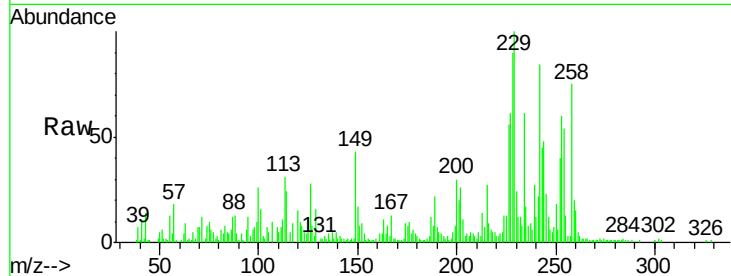
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.91 ng  
 RT: 15.83 min Scan# 1281  
 Delta R.T. 0.01 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-18S

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 24489 |       |       |
| 167     | 30.0  | 20.2  | 30.4  |       |
| 279     | 2.5   | 2.0   | 3.0   |       |

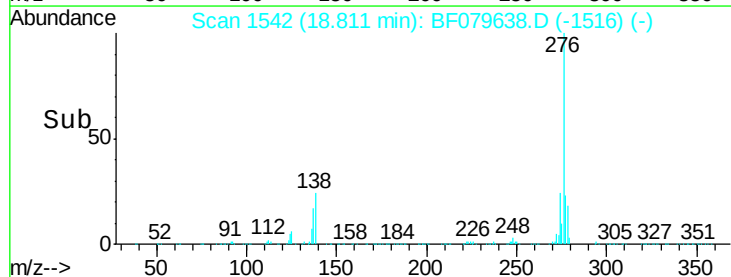
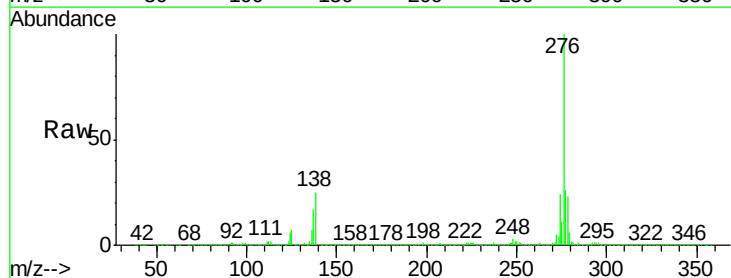
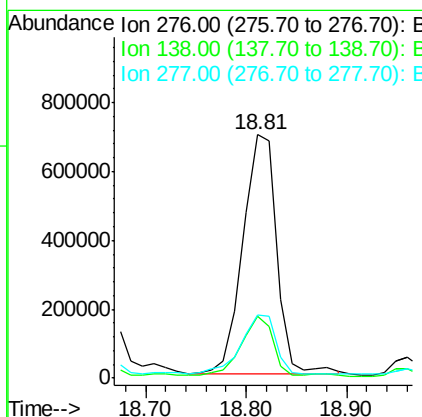
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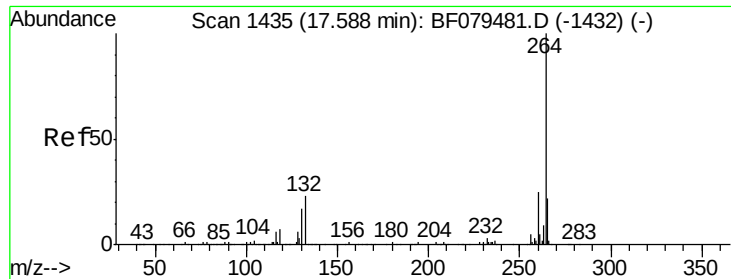


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 109.23 ng  
 RT: 18.81 min Scan# 1542  
 Delta R.T. 0.10 min  
 Lab File: BF079638.D  
 Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 276     | 100   | 1620931 |       |       |
| 138     | 23.1  | 21.4    | 32.2  |       |
| 277     | 25.6  | 19.8    | 29.6  |       |







#86

Perylene-d12

Concen: 20.00 ng

RT: 17.51 min Scan# 1428

Delta R.T. 0.07 min

Lab File: BF079638.D

Acq: 31 May 2015 17:41

Instrument :

BNA\_F

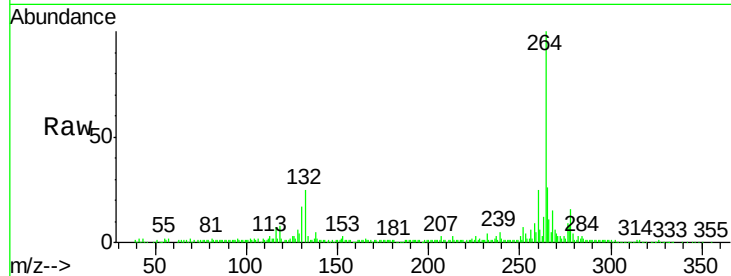
ClientSampleId :

SB-18S

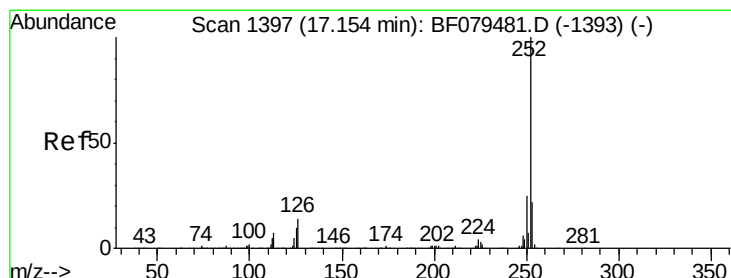
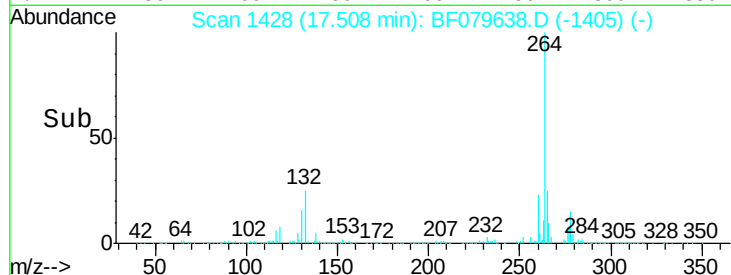
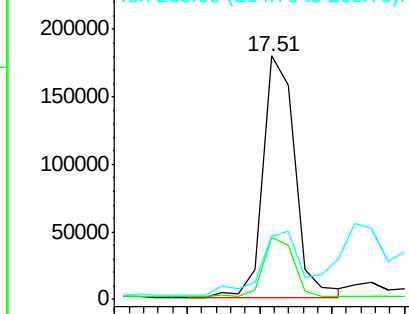
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 272745 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.4  | 19.8  | 29.8   |
| 265       | 25.8  | 17.8  | 26.6   |

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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



#87

Benzo(b)fluoranthene

Concen: 203.28 ng m

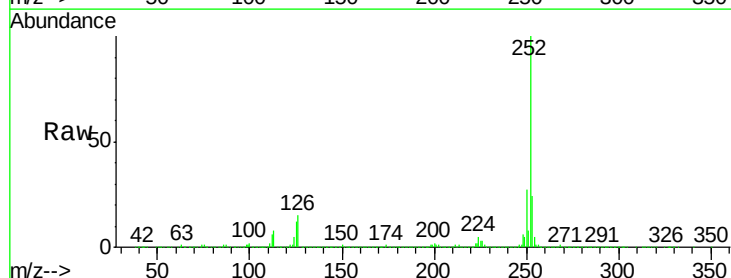
RT: 17.07 min Scan# 1390

Delta R.T. 0.06 min

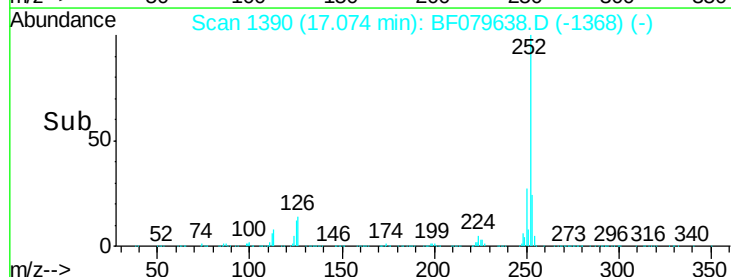
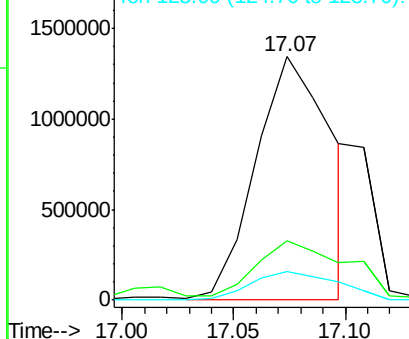
Lab File: BF079638.D

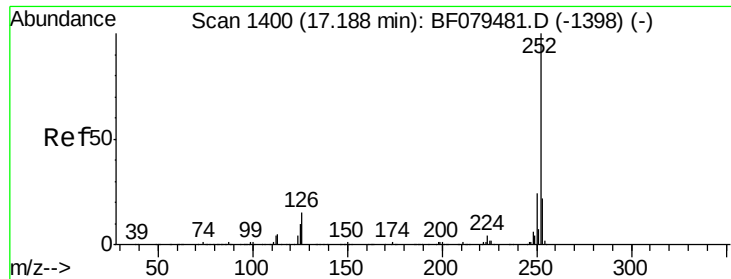
Acq: 31 May 2015 17:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 3162207 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 24.4  | 17.6  | 26.4    |
| 125       | 11.8  | 7.8   | 11.6#   |



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





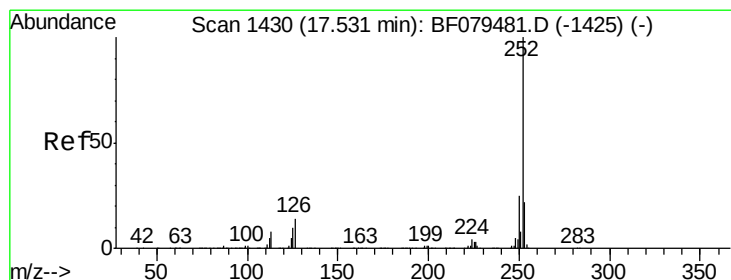
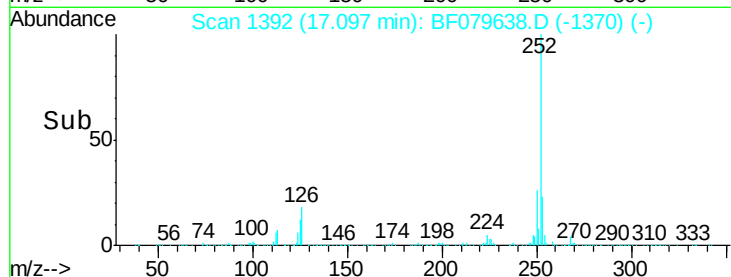
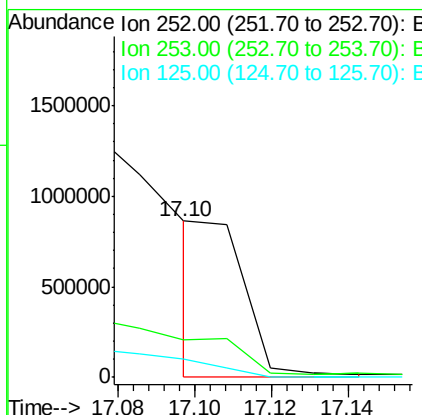
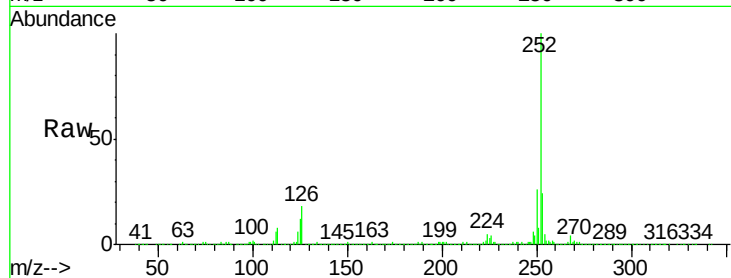
#88  
Benzo(k)fluoranthene  
Concen: 46.23 ng m  
RT: 17.10 min Scan# 1392  
Delta R.T. 0.06 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 17.2  | 25.8  |
| 125     | 12.2  | 6.8   | 10.2  |

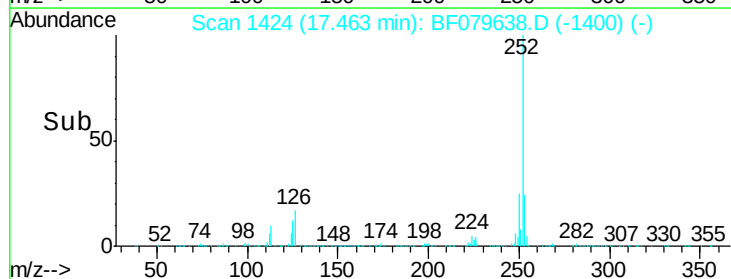
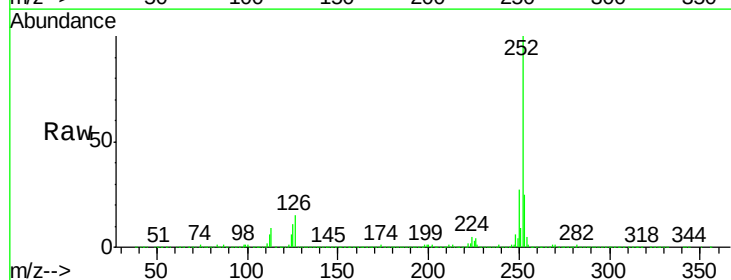
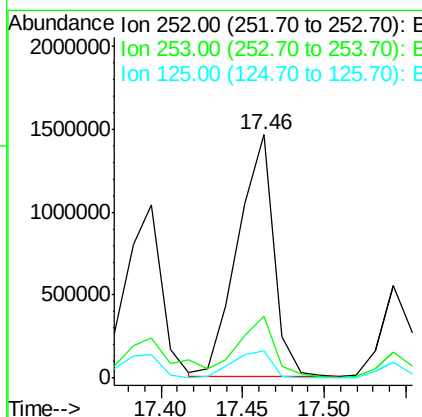
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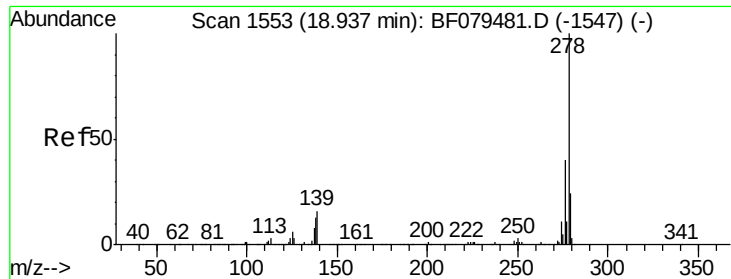
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#89  
Benzo(a)pyrene  
Concen: 168.98 ng  
RT: 17.46 min Scan# 1424  
Delta R.T. 0.08 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.2  | 17.8  | 26.8  |
| 125     | 11.2  | 7.9   | 11.9  |





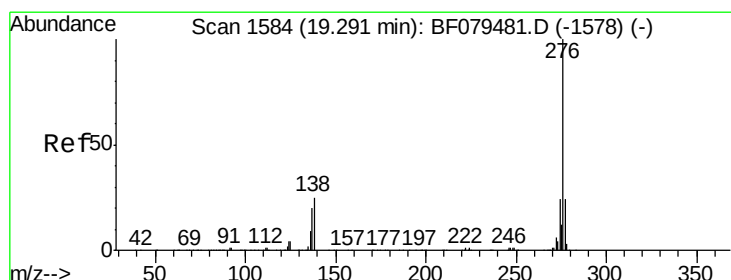
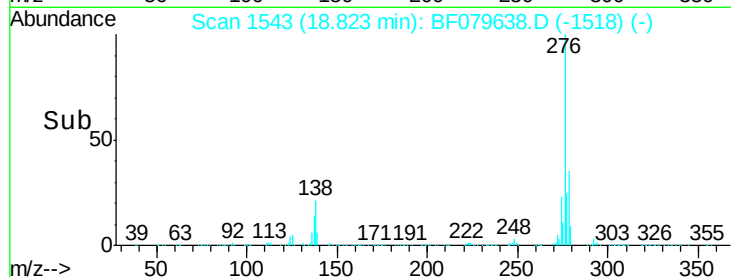
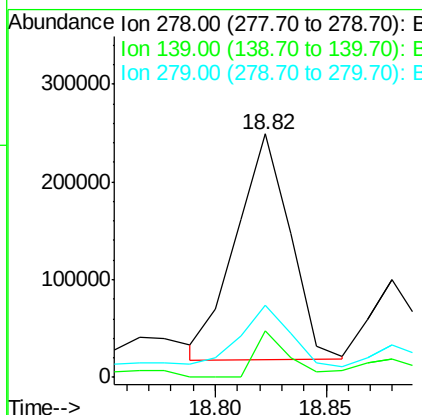
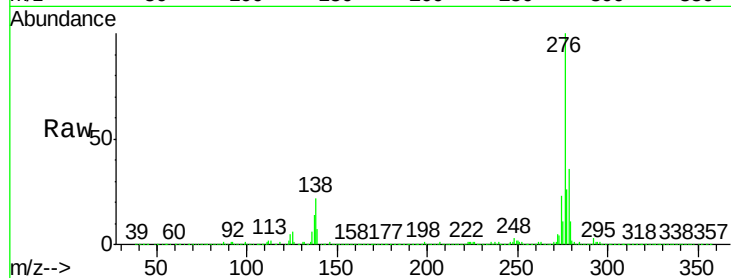
#90  
Dibenzo(a,h)anthracene  
Concen: 26.99 ng m  
RT: 18.82 min Scan# 1543  
Delta R.T. 0.09 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.0  | 12.8  | 19.2  |
| 279     | 29.4  | 19.1  | 28.7# |

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#91  
Benzo(g,h,i)perylene  
Concen: 103.52 ng  
RT: 19.19 min Scan# 1575  
Delta R.T. 0.11 min  
Lab File: BF079638.D  
Acq: 31 May 2015 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.1  | 19.1  | 28.7  |
| 138     | 24.9  | 20.1  | 30.1  |

