

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110117\  
 Data File : BF100053.D  
 Acq On : 1 Nov 2017 19:30  
 Operator : SJ/JU  
 Sample : I6233-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3(6-8)

Manual Integrations  
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Quant Time: Nov 02 04:12:06 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 88924    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 348265   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.82  | 164  | 153761   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.36 | 188  | 245685   | 20.00  | ng    | 0.05     |
| 75) Chrysene-d12            | 14.77 | 240  | 168634m  | 20.00  | ng    | 0.80     |
| 86) Perylene-d12            | 17.10 | 264  | 164537m  | 20.00  | ng    | 1.64     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 579638   | 102.34 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 686766   | 102.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 390208   | 72.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 143437   | 102.36 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 787827   | 79.05  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.26 | 244  | 586387m  | 75.99  | ng    | 0.36     |
| Target Compounds            |       |      |          |        |       |          |
| 48) Acenaphthylene          | 9.69  | 152  | 57532    | 3.698  | ng    | 98       |
| 49) Dimethylphthalate       | 9.54  | 163  | 137590   | 11.300 | ng    | 99       |
| 70) Phenanthrene            | 11.39 | 178  | 244222   | 17.614 | ng    | 99       |
| 71) Anthracene              | 11.45 | 178  | 97857    | 6.953  | ng    | 97       |
| 77) Pyrene                  | 13.06 | 202  | 390309m  | 30.439 | ng    |          |

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

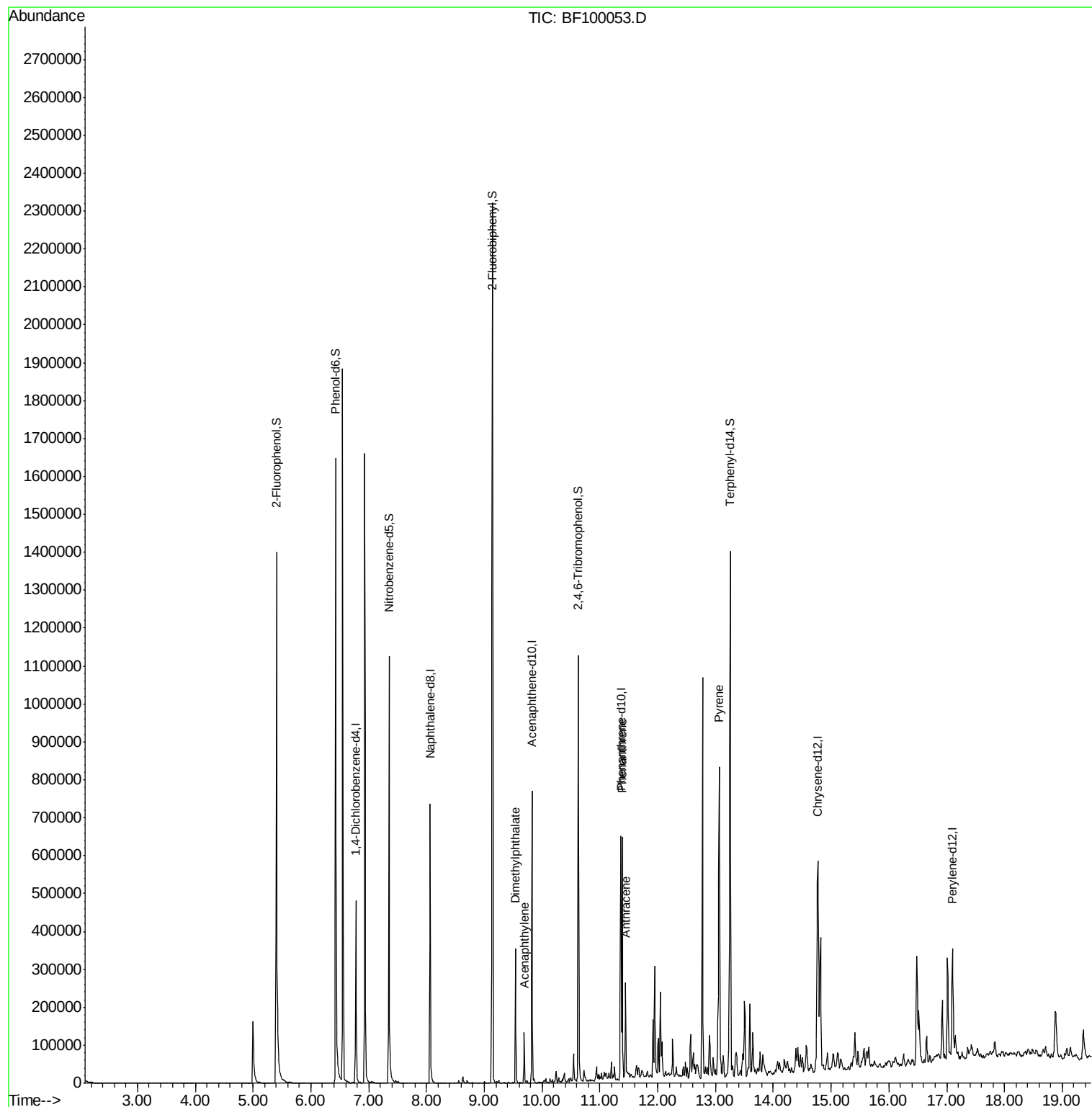
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\  
Data File : BF100053.D  
Acq On : 1 Nov 2017 19:30  
Operator : SJ/JU  
Sample : I6233-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

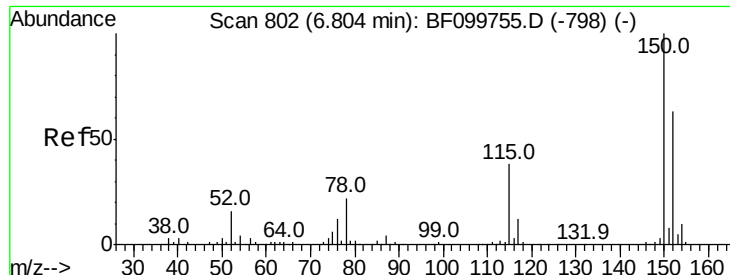
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(6-8)

Manual Integrations  
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11/2/2017 4:27:16 PM

Quant Time: Nov 02 04:12:06 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 01 18:13:08 2017  
Response via : Initial Calibration





#1

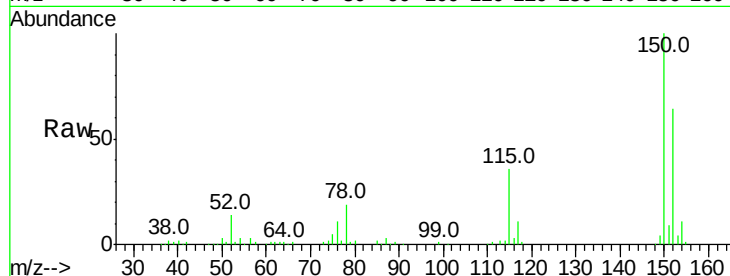
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.78 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(6-8)

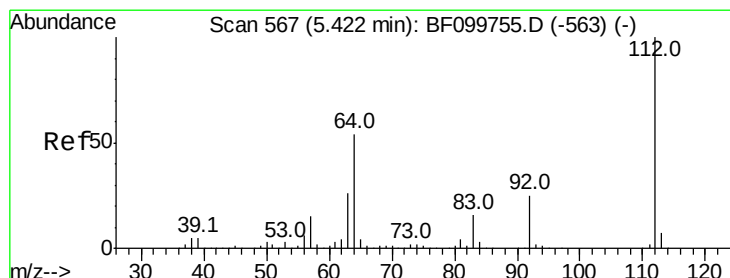
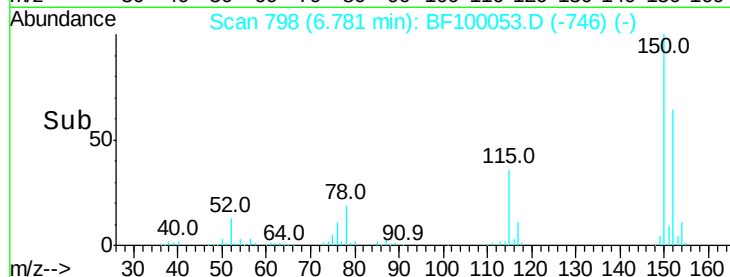
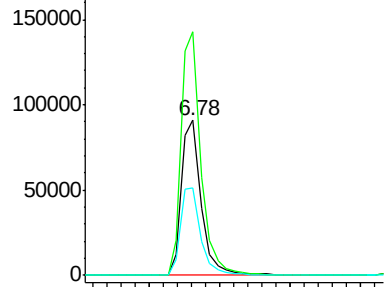
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 124.6 | 186.8 |
| 115     | 56.7  | 50.1  | 75.1  |

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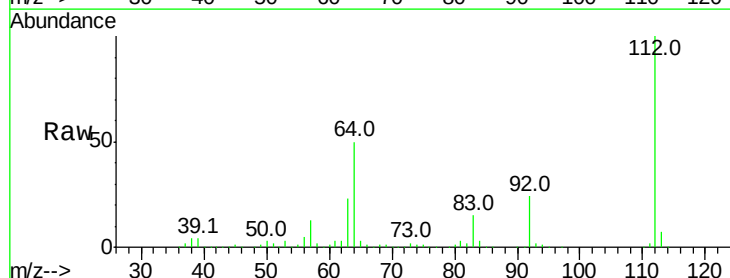
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



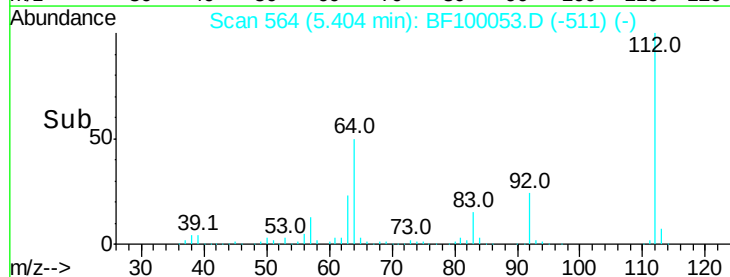
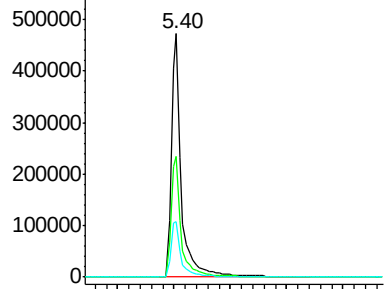
#5

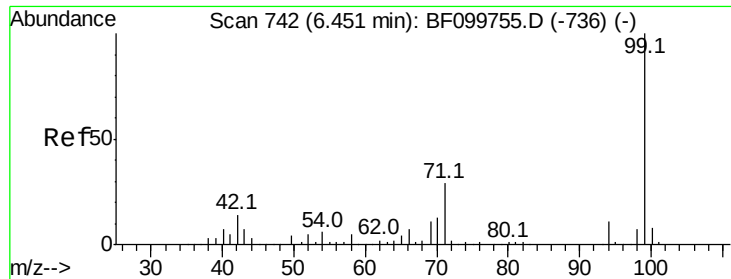
2-Fluorophenol  
Concen: 102.336 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.7  | 47.9  | 71.9  |
| 63      | 23.0  | 23.7  | 35.5# |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.258 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA\_F

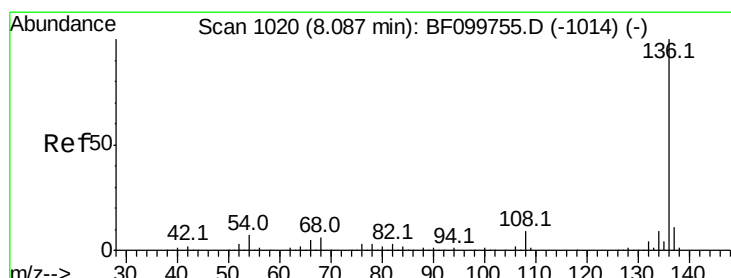
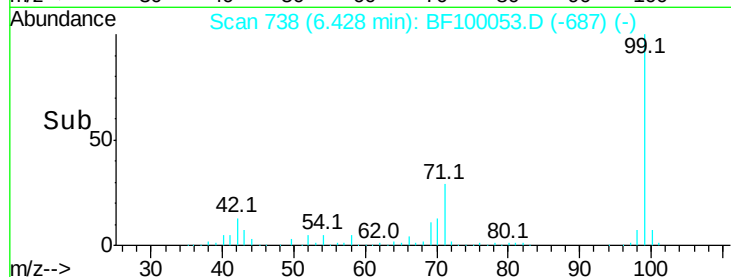
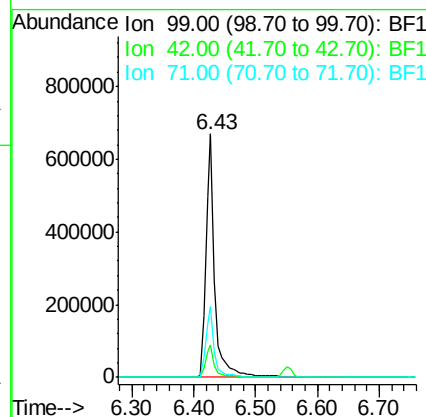
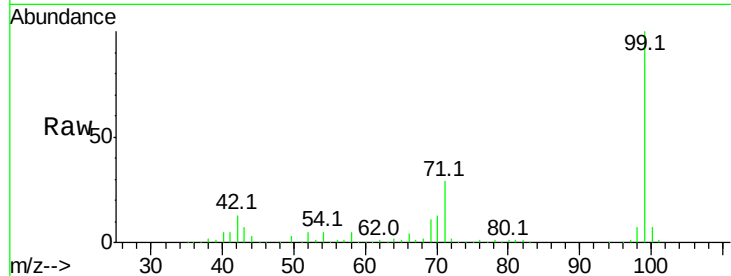
ClientSampled :

SB-3(6-8)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 686766 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 13.2  | 14.5  | 21.7#  |
| 71        | 29.1  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

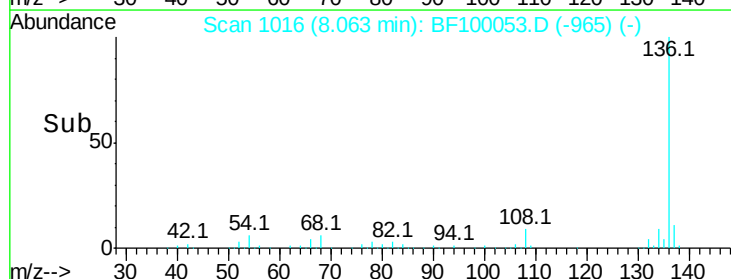
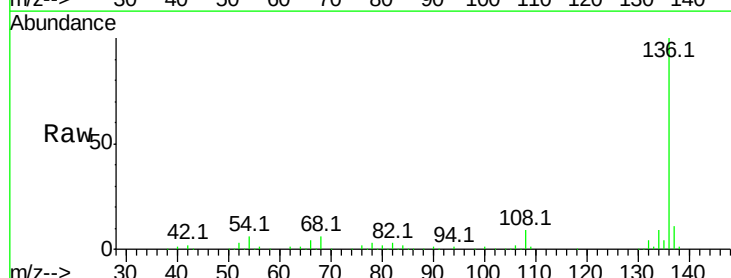
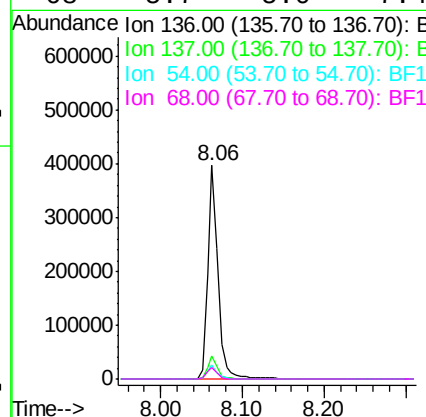
RT: 8.06 min Scan# 1016

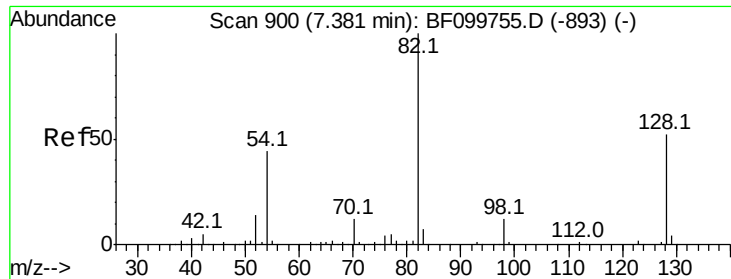
Delta R.T. 0.00 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 348265 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.9   | 13.3   |
| 54        | 6.3   | 6.6   | 9.8#   |
| 68        | 5.7   | 5.0   | 7.4    |





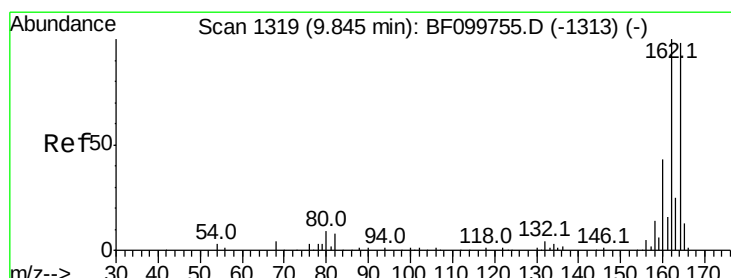
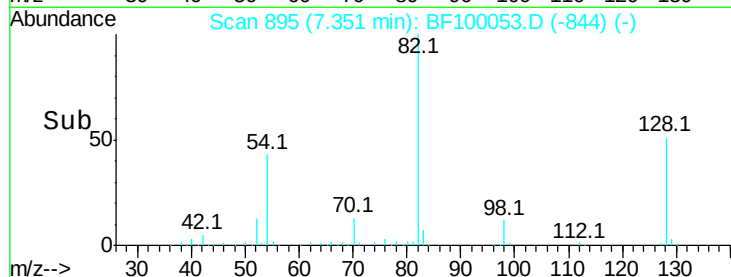
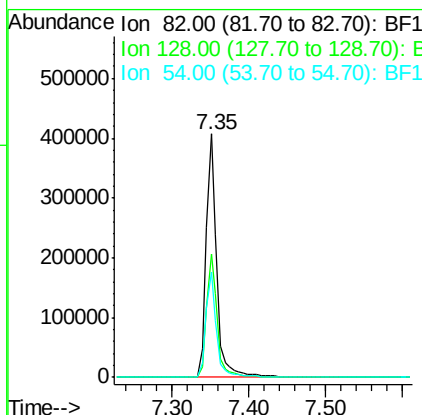
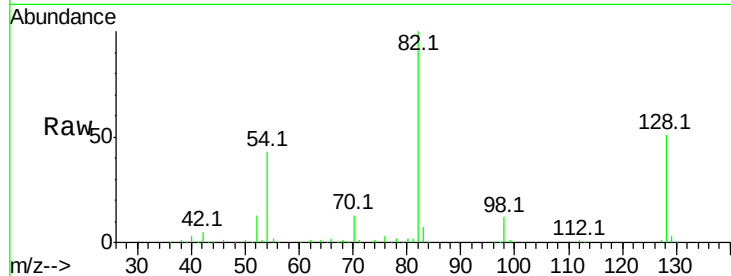
#23  
 Nitrobenzene-d5  
 Concen: 72.134 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-3(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.7  | 36.1  | 54.1  |
| 54      | 43.4  | 41.4  | 62.2  |

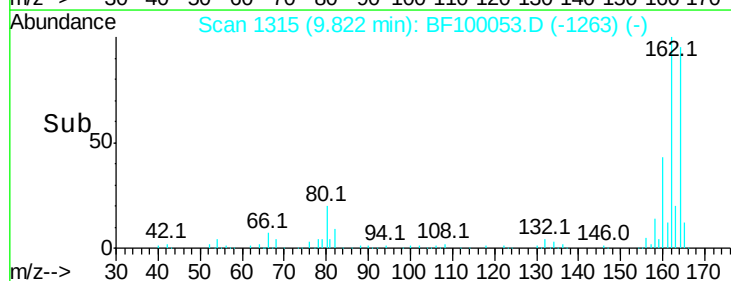
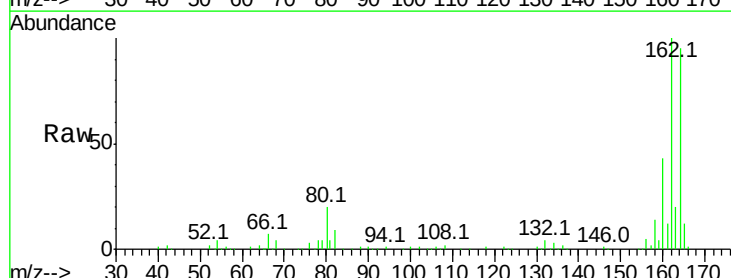
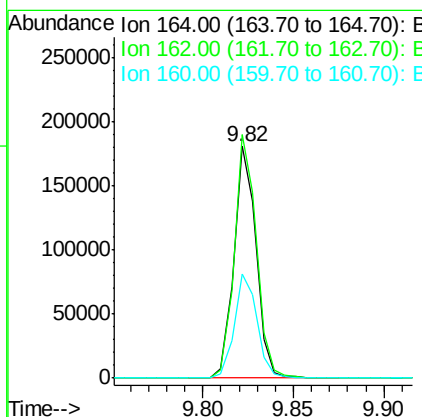
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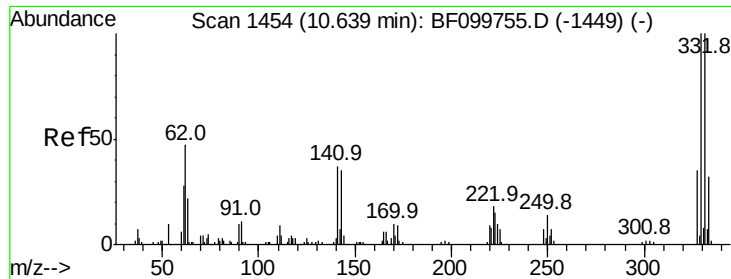
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. 0.01 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.0 | 86.1  | 129.1 |
| 160     | 44.6  | 38.3  | 57.5  |





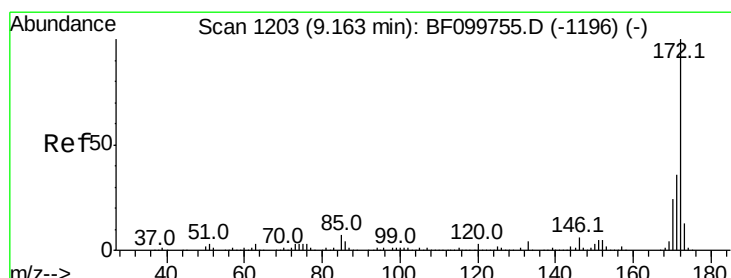
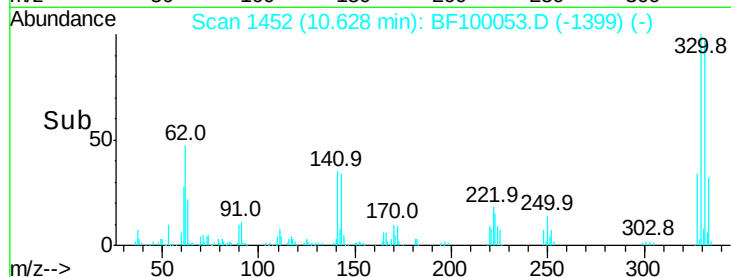
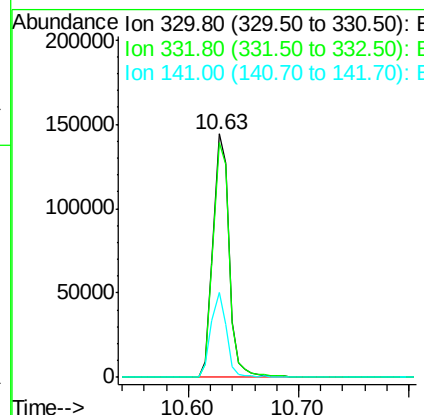
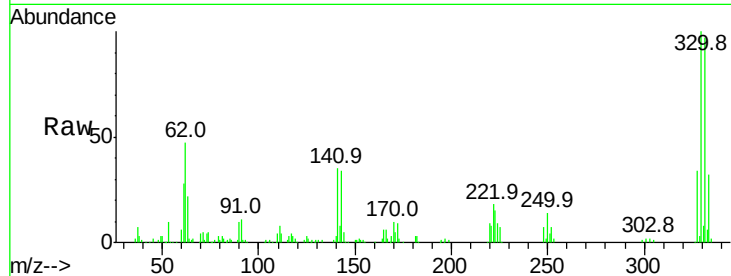
#41  
 2,4,6-Tribromophenol  
 Concen: 102.364 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. 0.01 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-3(6-8)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 143437 |       |       |
| 332     | 97.5  | 77.0   | 115.6 |       |
| 141     | 33.5  | 29.9   | 44.9  |       |

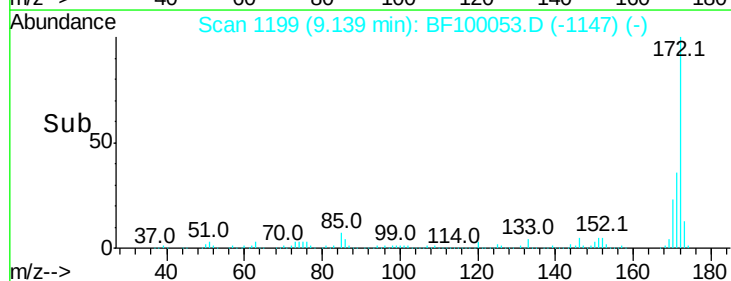
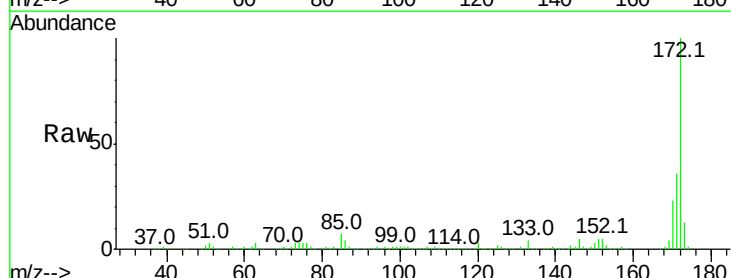
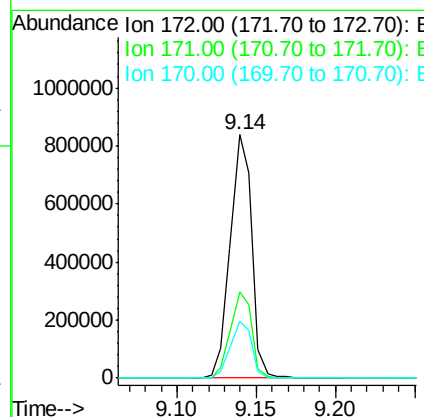
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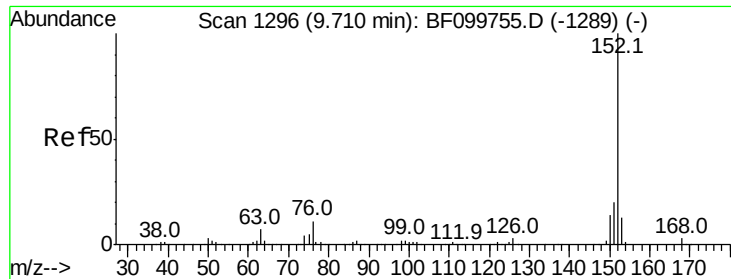
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#44  
 2-Fluorobiphenyl  
 Concen: 79.051 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. 0.01 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 787827 |       |       |
| 171     | 35.6  | 29.7   | 44.5  |       |
| 170     | 23.2  | 19.6   | 29.4  |       |





#48

Acenaphthylene

Concen: 3.698 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA\_F

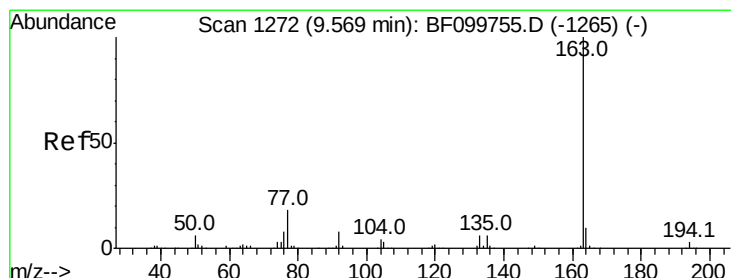
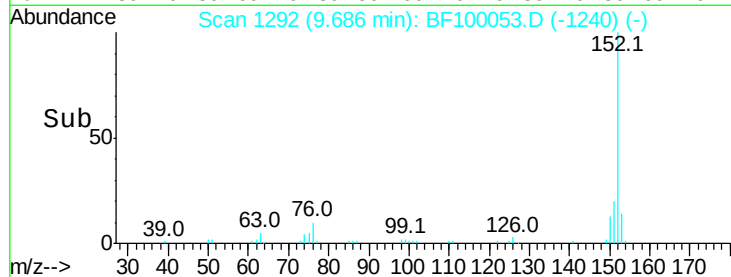
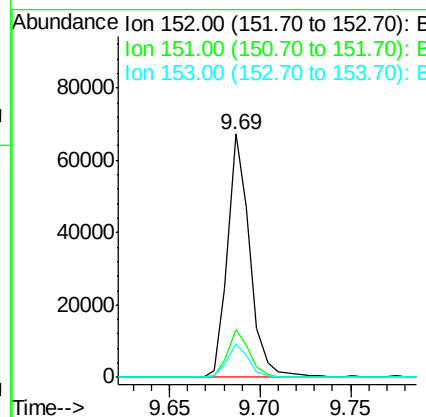
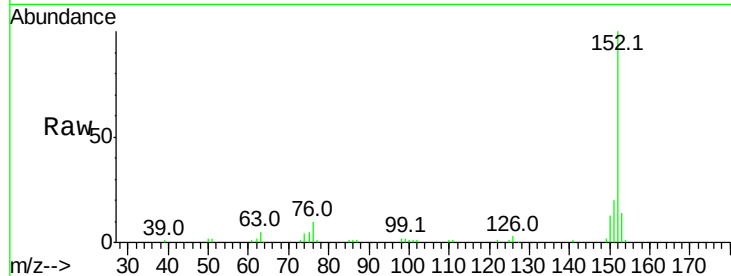
ClientSampled :

SB-3(6-8)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 57532 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.5  | 16.3  | 24.5  |
| 153       | 14.1  | 10.7  | 16.1  |

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#49

Dimethylphthalate

Concen: 11.300 ng

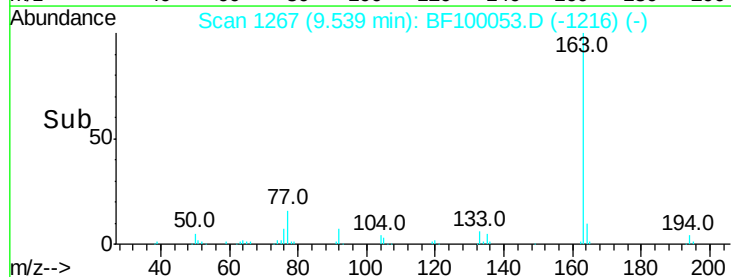
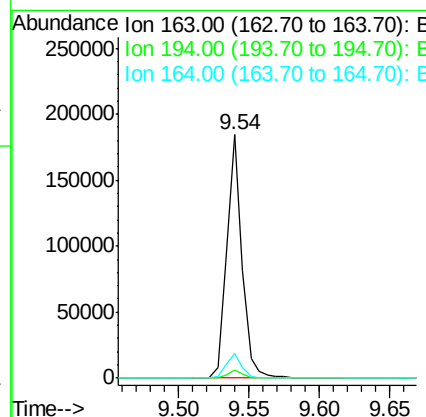
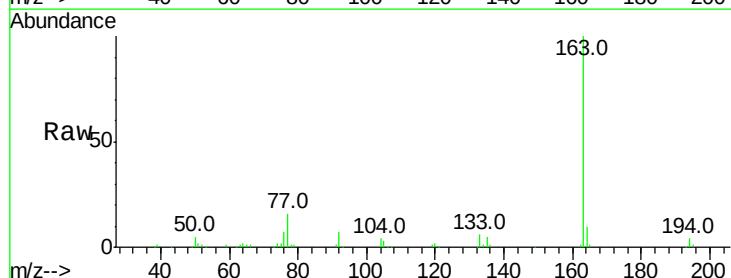
RT: 9.54 min Scan# 1267

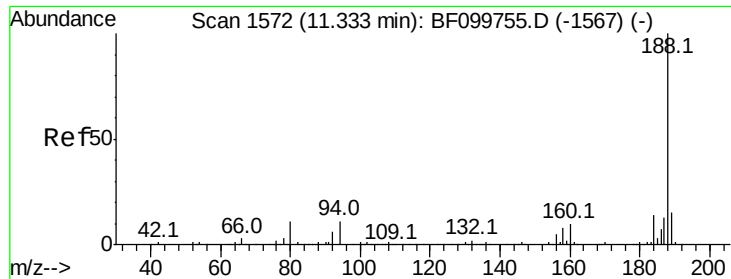
Delta R.T. 0.00 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 137590 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.6   | 2.7   | 4.1    |
| 164       | 9.9   | 8.2   | 12.2   |





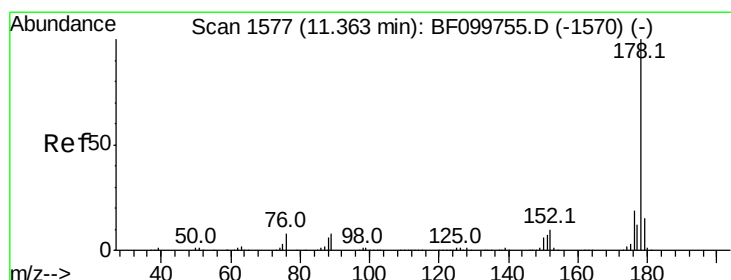
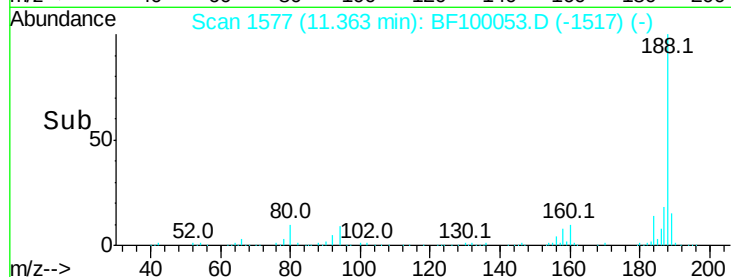
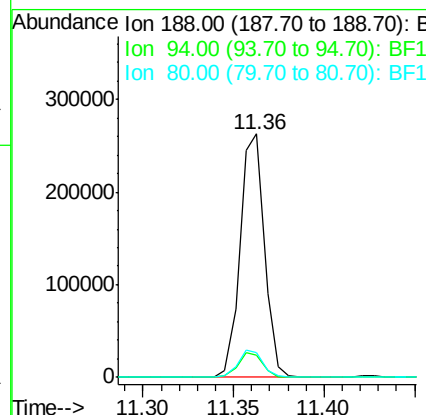
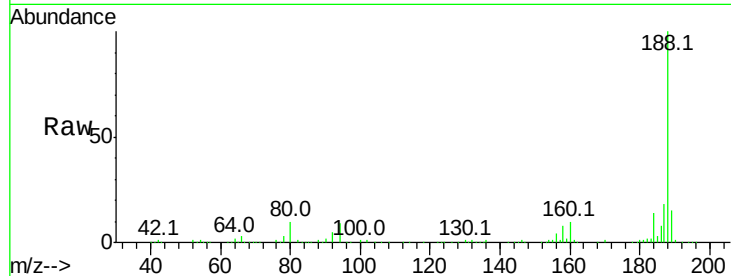
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. 0.05 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(6-8)

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 9.0   | 8.5        | 12.7  |
| 80      | 10.1  | 9.2        | 13.8  |

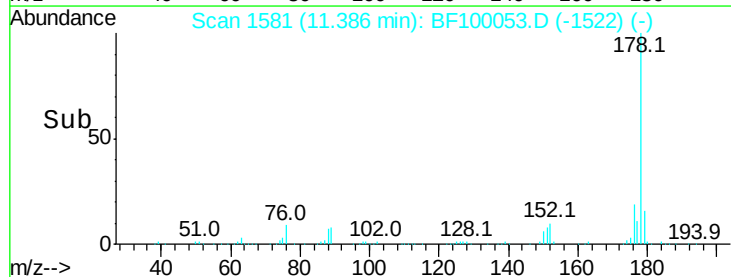
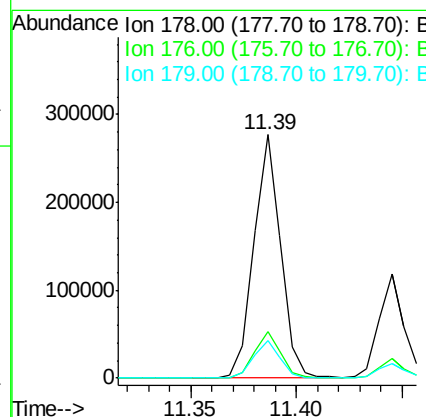
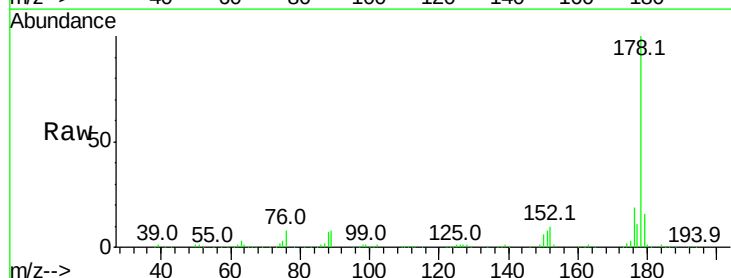
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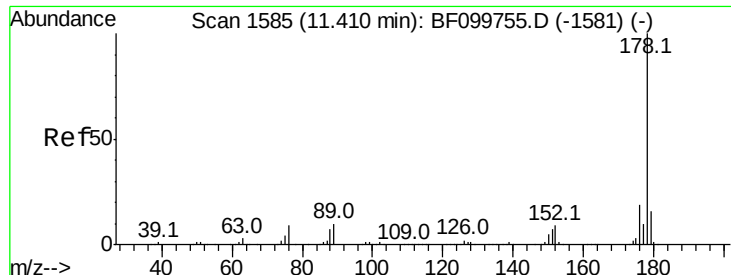


#70  
Phenanthrene  
Concen: 17.614 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. 0.05 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 19.3  | 15.8       | 23.8  |
| 179     | 15.6  | 13.0       | 19.6  |







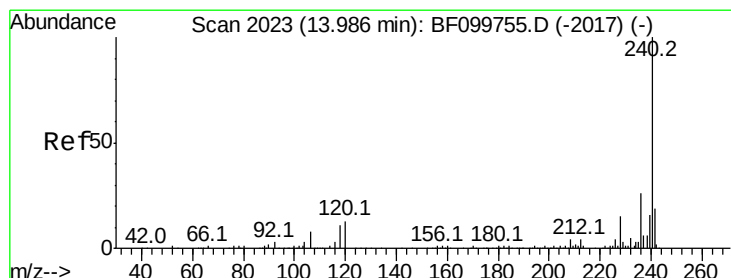
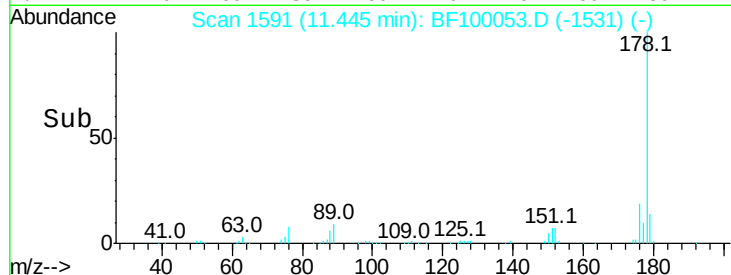
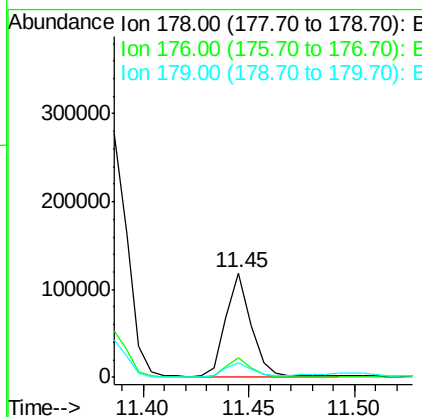
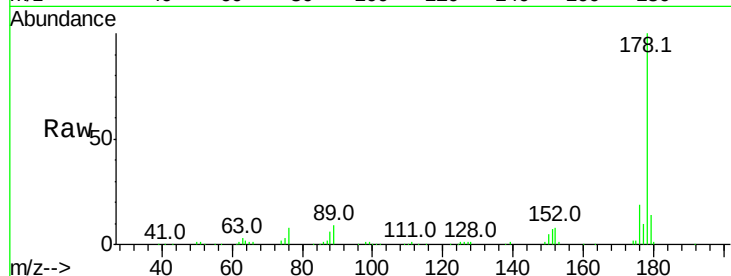
#71  
 Anthracene  
 Concen: 6.953 ng  
 RT: 11.45 min Scan# 1591  
 Delta R.T. 0.05 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-3(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.4  | 23.2  |
| 179     | 14.1  | 12.6  | 19.0  |

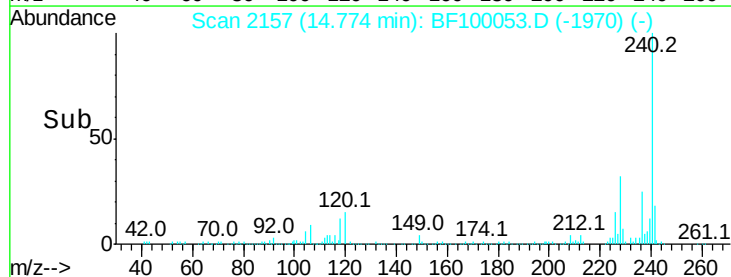
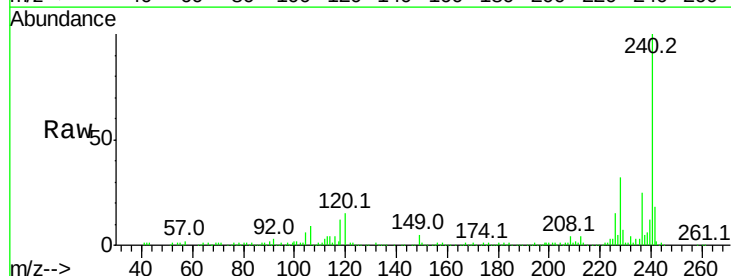
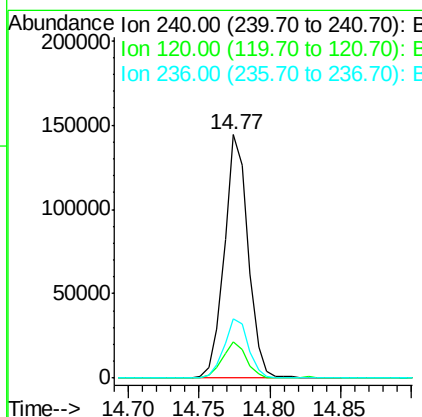
Manual Integrations  
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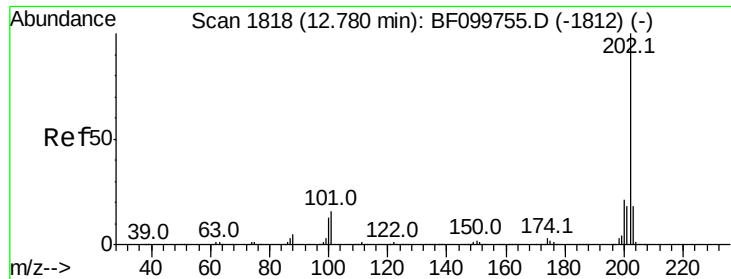
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#75  
 Chrysene-d12  
 Concen: 20.000 ng m  
 RT: 14.77 min Scan# 2157  
 Delta R.T. 0.80 min  
 Lab File: BF100053.D  
 Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.8  | 9.5   | 14.3# |
| 236     | 24.5  | 20.7  | 31.1  |





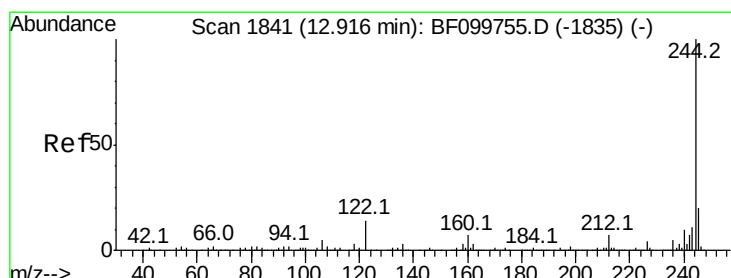
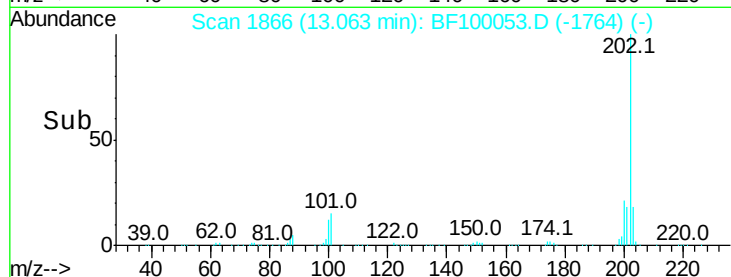
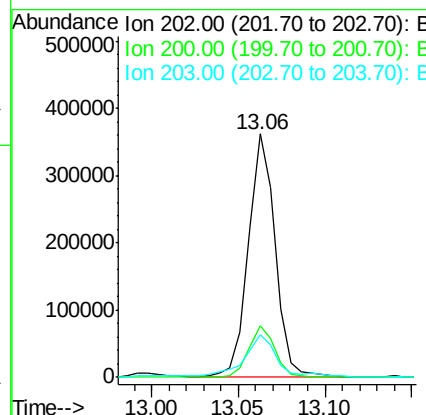
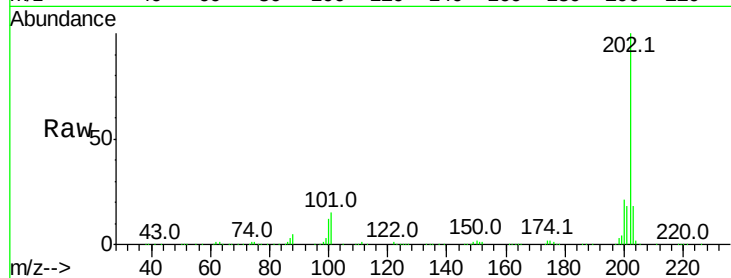
#77  
Pvrene  
Concen: 30.439 ng m  
RT: 13.06 min Scan# 1866  
Delta R.T. 0.30 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

Instrument :  
BNA\_F  
ClientSampled :  
SB-3(6-8)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 17.4  | 26.2  |
| 203     | 17.7  | 14.3  | 21.5  |

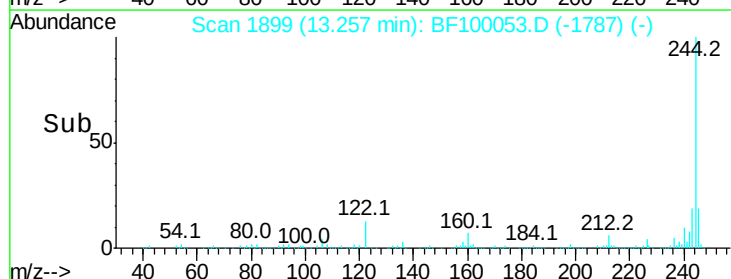
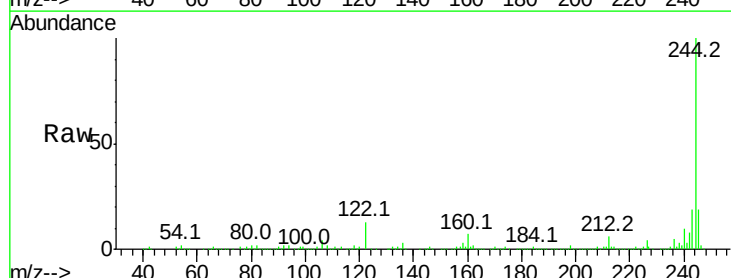
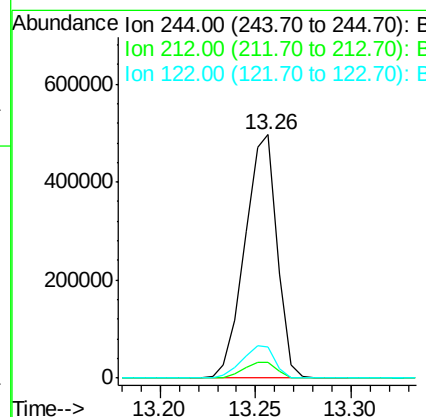
Manual Integrations  
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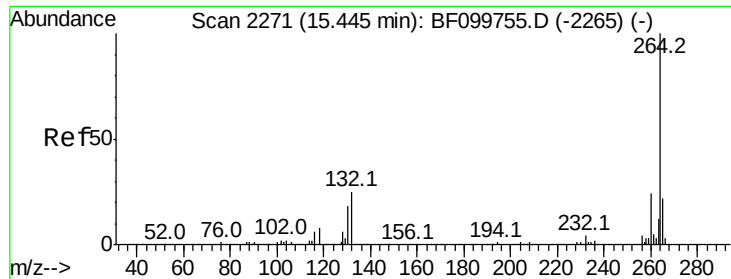
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#78  
Terphenyl-d14  
Concen: 75.991 ng m  
RT: 13.26 min Scan# 1899  
Delta R.T. 0.36 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.4   | 5.4   | 8.0   |
| 122     | 12.6  | 11.0  | 16.4  |





#86  
Pervlene-d12  
Concen: 20.000 ng/ml  
RT: 17.10 min Scan# 2552  
Delta R.T. 1.64 min  
Lab File: BF100053.D  
Acq: 1 Nov 2017 19:30

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3(6-8)

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 23.6  | 19.2 | 28.8  |       |
| 265     | 22.7  | 17.5 | 26.3  |       |

Manual Integrations  
APPROVED

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