

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\  
 Data File : BF117994.D  
 Acq On : 26 Nov 2019 4:33  
 Operator : JU  
 Sample : K5999-03 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-03A

Manual Integrations  
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mohammad  
 11/26/2019 12:49:32 PM

Quant Time: Nov 26 07:12:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 26 05:38:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 165572   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.18  | 136  | 643446   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.95  | 164  | 246926   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.43 | 188  | 381403   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.09 | 240  | 327238   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.59 | 264  | 302848   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 407231   | 43.54 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 532258   | 47.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 308654   | 28.52 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.73 | 330  | 97625    | 37.34 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.26  | 172  | 488114   | 35.46 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.02 | 244  | 452042   | 25.25 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 50) Dimethylphthalate          | 9.65  | 163  | 75383    | 4.353 | ng    | 98       |
| 78) Pyrene                     | 12.88 | 202  | 84369    | 3.190 | ng    | 98       |
| 81) Benzo(a)anthracene         | 14.07 | 228  | 62859    | 2.907 | ng    | 96       |
| 83) Chrysene                   | 14.11 | 228  | 52023m   | 2.483 | ng    |          |
| 84) Bis(2-ethylhexyl)phthalate | 14.06 | 149  | 46982    | 3.412 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.14 | 252  | 87078m   | 4.426 | ng    |          |
| 90) Benzo(a)pyrene             | 15.52 | 252  | 49975    | 2.888 | ng    | # 87     |
| 92) Benzo(g,h,i)perylene       | 17.57 | 276  | 29849    | 2.012 | ng    | # 88     |

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

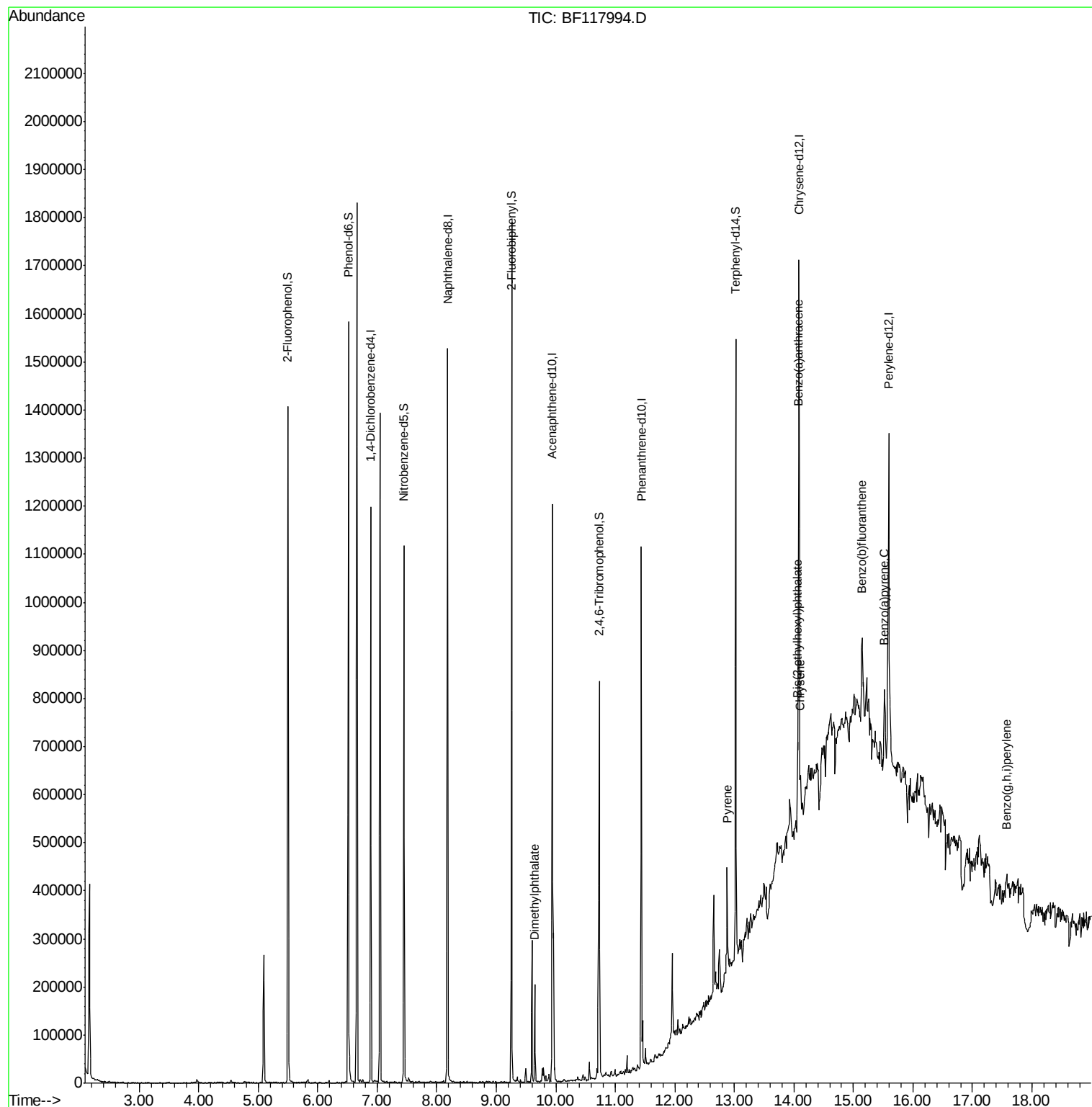
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\  
Data File : BF117994.D  
Acq On : 26 Nov 2019 4:33  
Operator : JU  
Sample : K5999-03 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

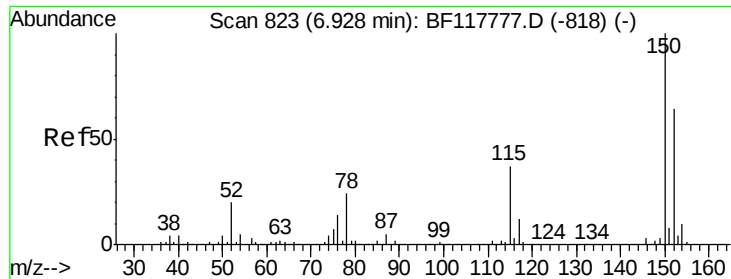
Instrument :  
BNA\_F  
ClientSampleID :  
IDLEWILD-BH-03A

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Quant Time: Nov 26 07:12:04 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 26 05:38:20 2019  
Response via : Initial Calibration





#1

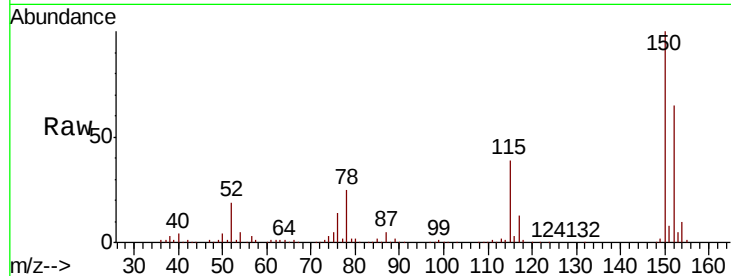
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 125.3 | 187.9 |
| 115     | 60.7  | 47.0  | 70.4  |

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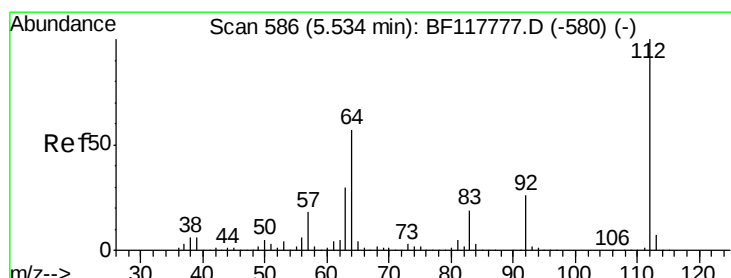
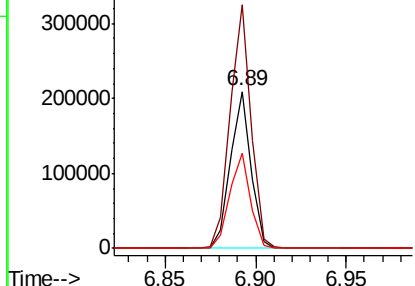
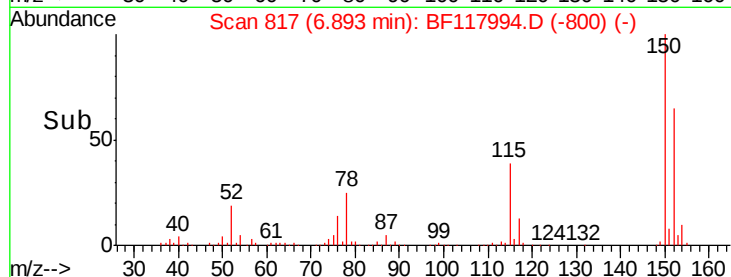


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

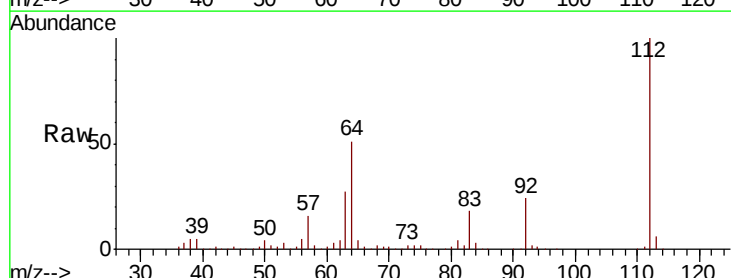
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 43.536 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.4  | 45.6  | 68.4  |
| 63      | 27.4  | 24.1  | 36.1  |

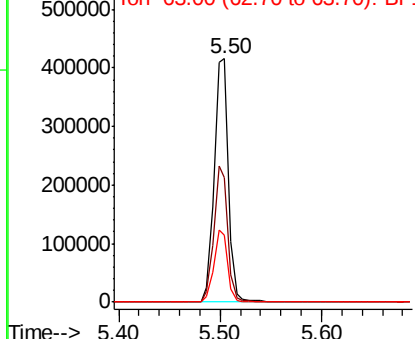
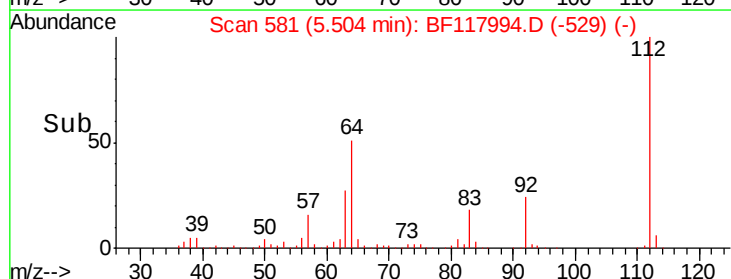


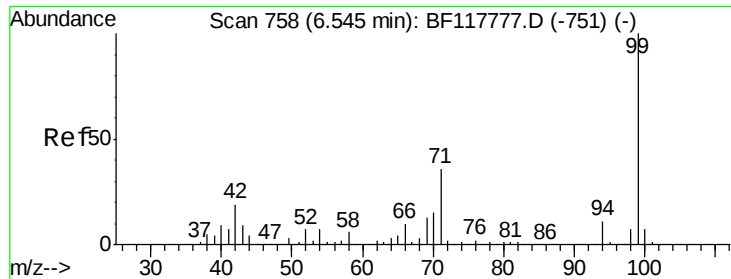
Abundance

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: 47.177 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA\_F

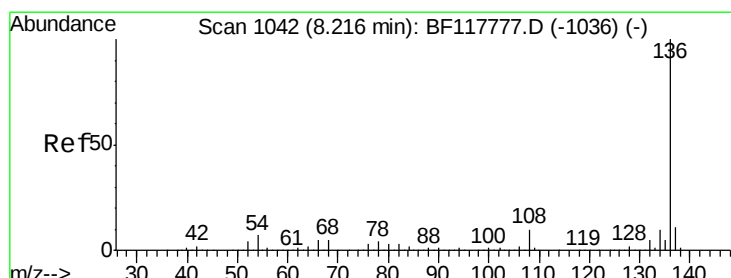
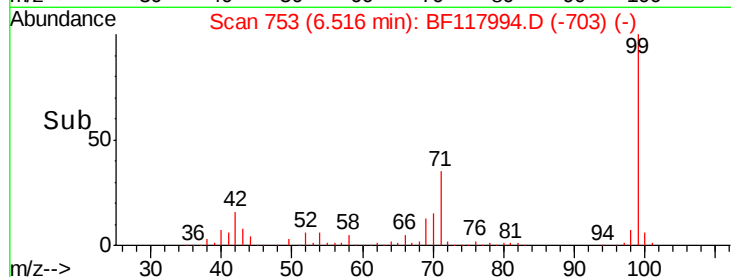
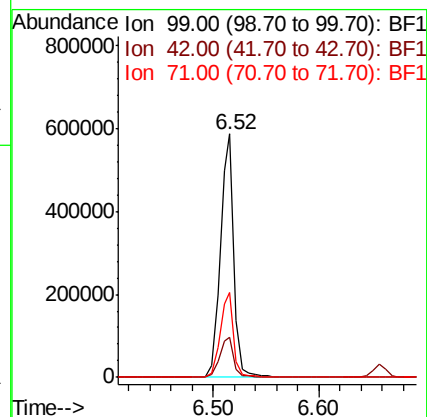
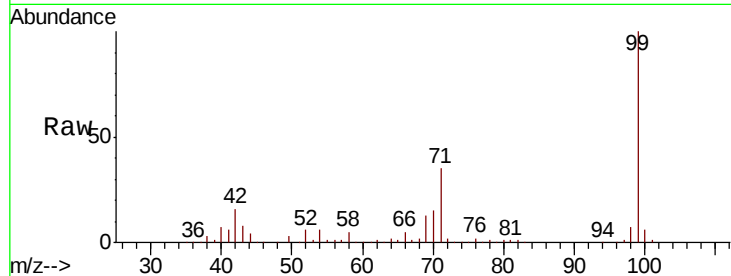
ClientSampleId :

IDLEWILD-BH-03A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 532258 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.4  | 14.9  | 22.3   |
| 71        | 34.7  | 28.6  | 43.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

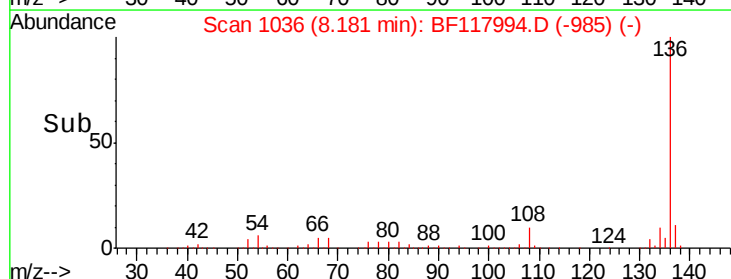
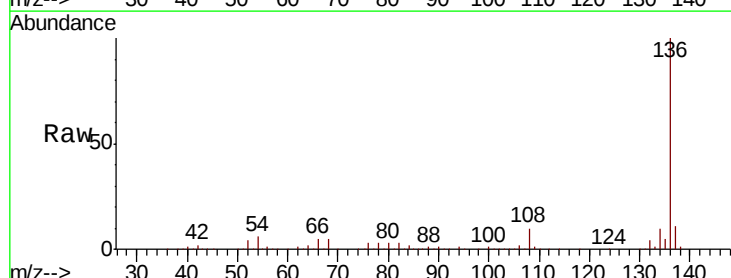
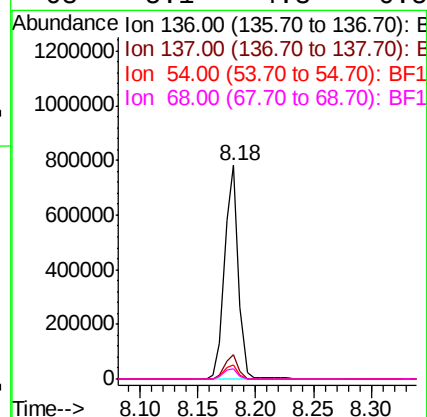
RT: 8.18 min Scan# 1036

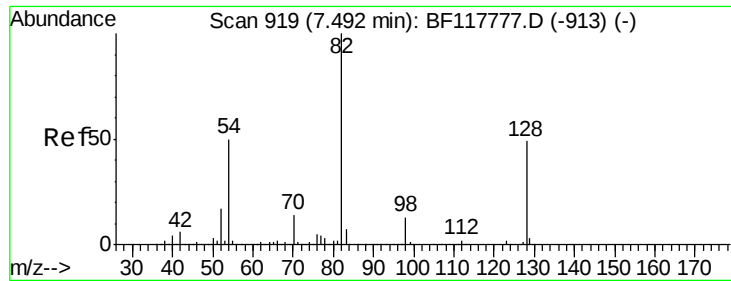
Delta R.T. 0.00 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 643446 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.4  | 9.0   | 13.4   |
| 54        | 6.5   | 5.4   | 8.2    |
| 68        | 5.1   | 4.3   | 6.5    |





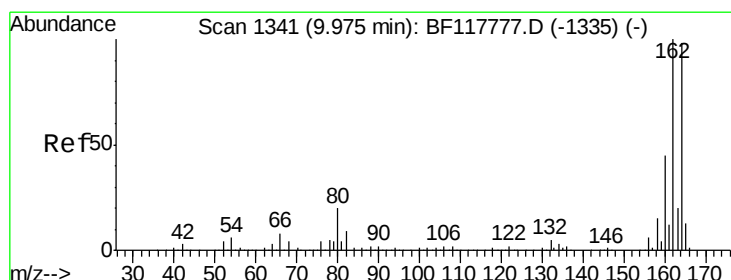
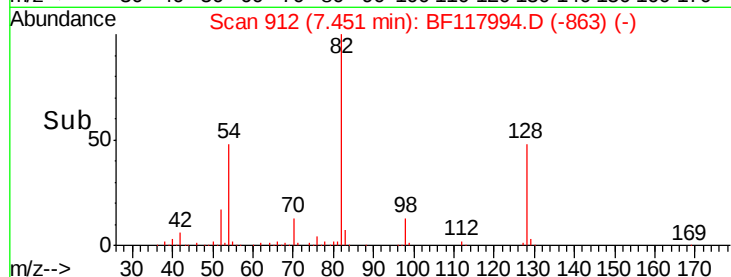
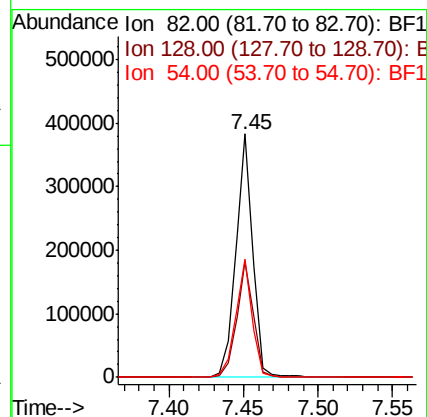
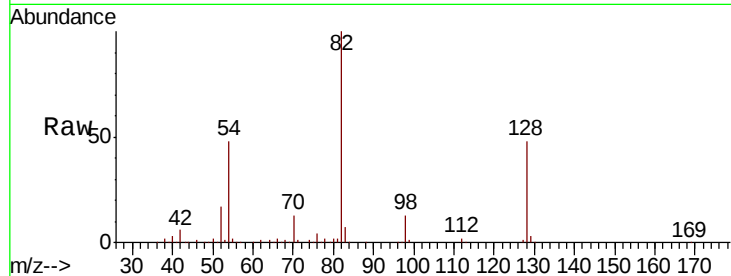
#23  
Nitrobenzene-d5  
Concen: 28.516 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.5  | 38.9  | 58.3  |
| 54      | 48.4  | 39.8  | 59.6  |

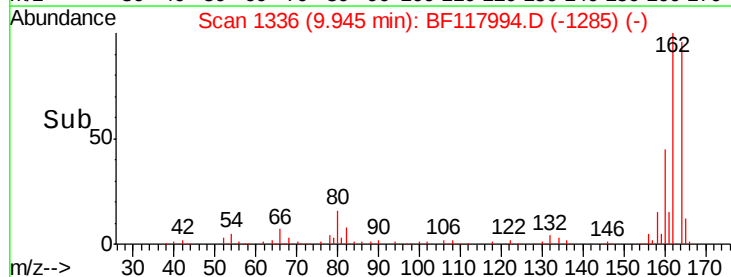
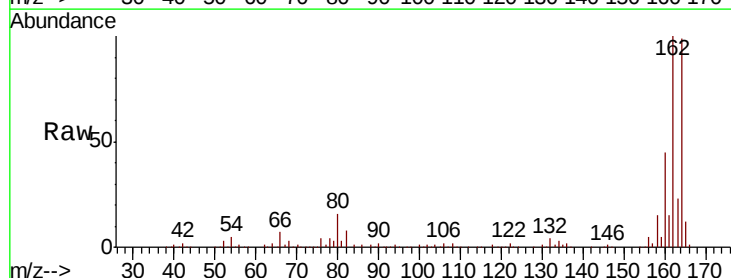
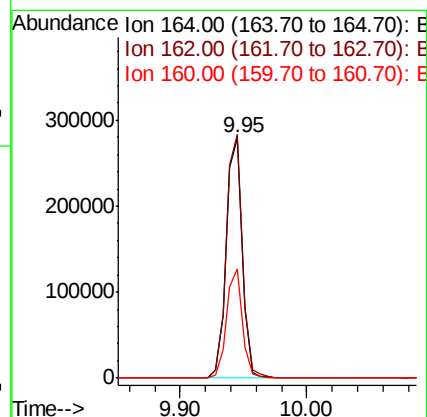
Manual Integrations  
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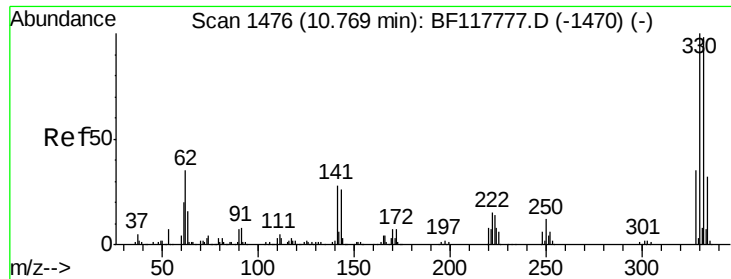
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. 0.00 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 81.3  | 121.9 |
| 160     | 45.5  | 36.6  | 55.0  |





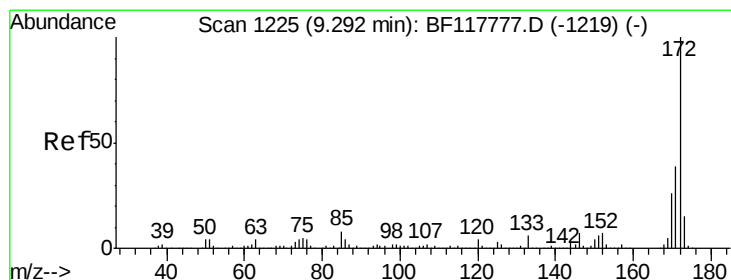
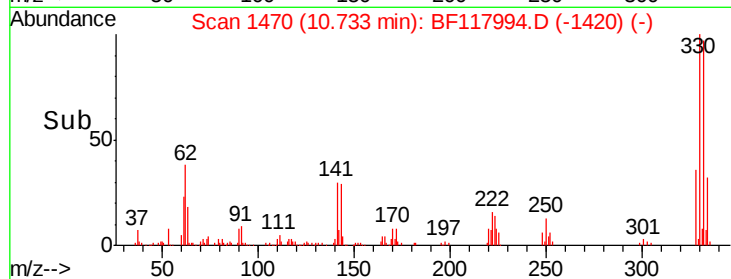
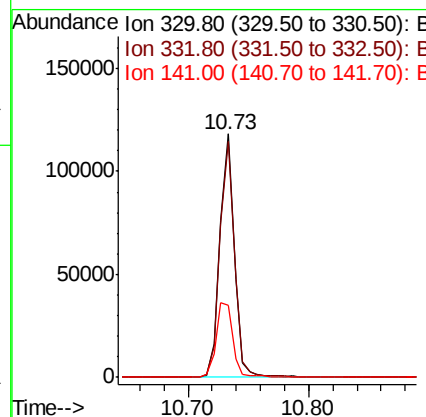
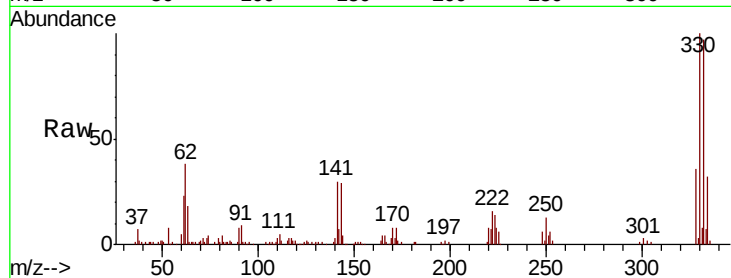
#42  
 2,4,6-Tribromophenol  
 Concen: 37.344 ng  
 RT: 10.73 min Scan# 1470  
 Delta R.T. -0.01 min  
 Lab File: BF117994.D  
 Acq: 26 Nov 2019 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-03A

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 97625 |       |       |
| 332     | 97.8  |       | 76.7  | 115.1 |
| 141     | 35.0  |       | 27.7  | 41.5  |

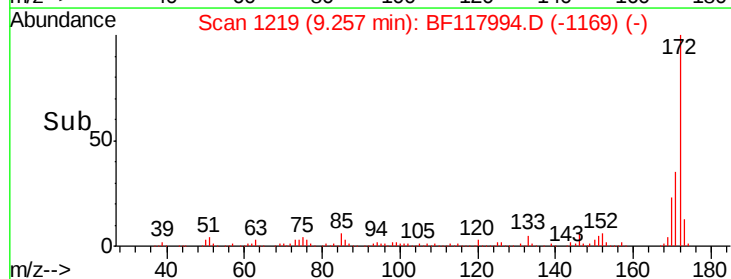
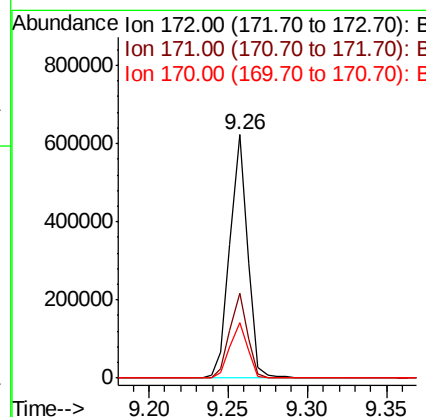
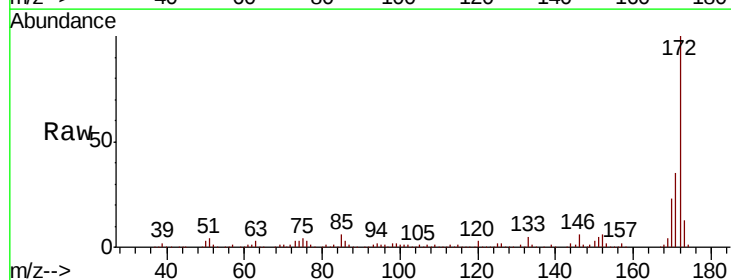
Manual Integrations  
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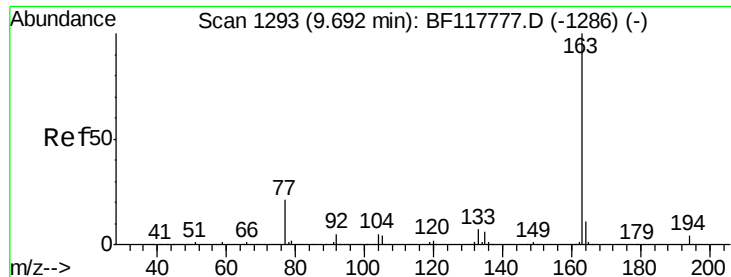
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#45  
 2-Fluorobiphenyl  
 Concen: 35.464 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: BF117994.D  
 Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 488114 |       |       |
| 171     | 35.1  |        | 30.9  | 46.3  |
| 170     | 22.8  |        | 21.0  | 31.4  |





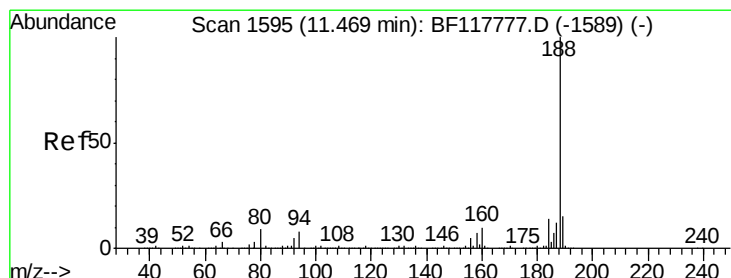
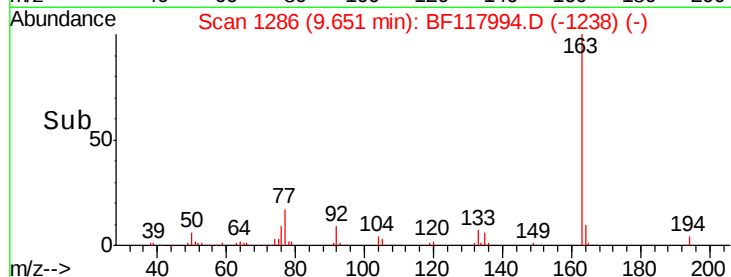
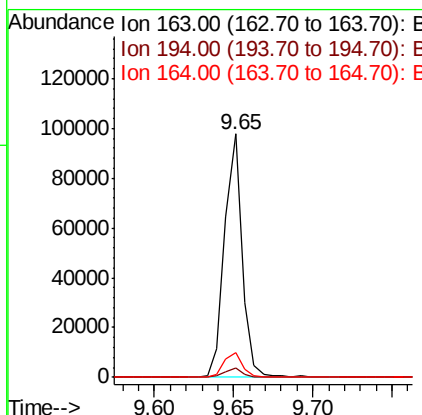
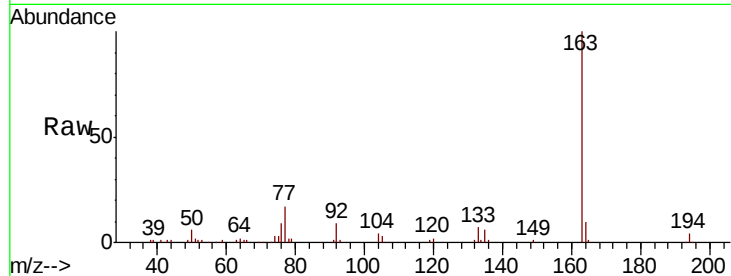
#50  
Dimethylphthalate  
Concen: 4.353 ng  
RT: 9.65 min Scan# 1286  
Delta R.T. -0.02 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.3   | 4.9   |
| 164     | 10.1  | 8.7   | 13.1  |

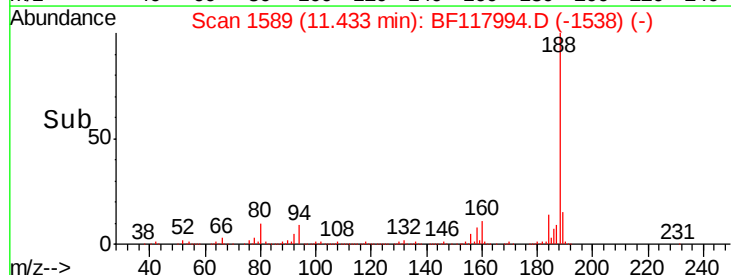
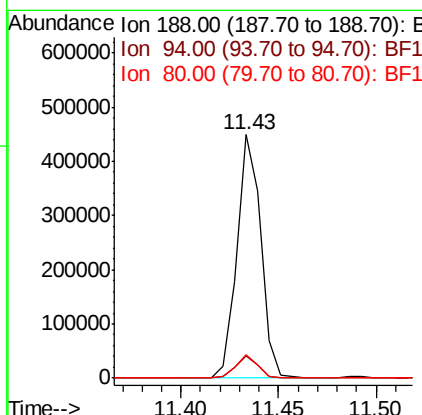
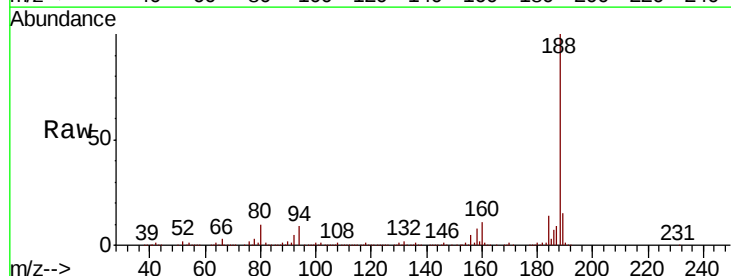
Manual Integrations  
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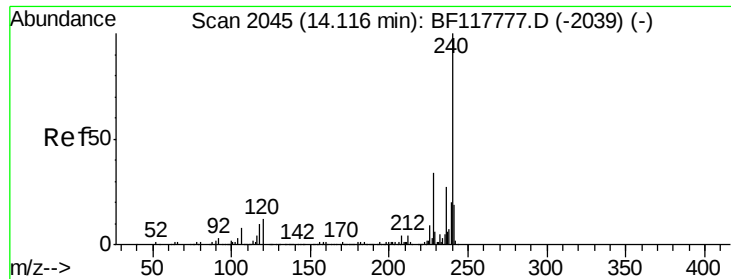
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. 0.00 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 6.6   | 10.0  |
| 80      | 9.8   | 7.2   | 10.8  |





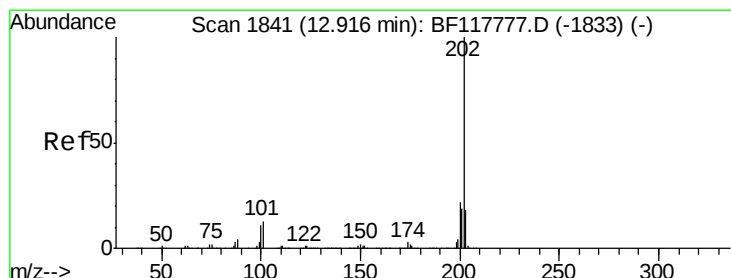
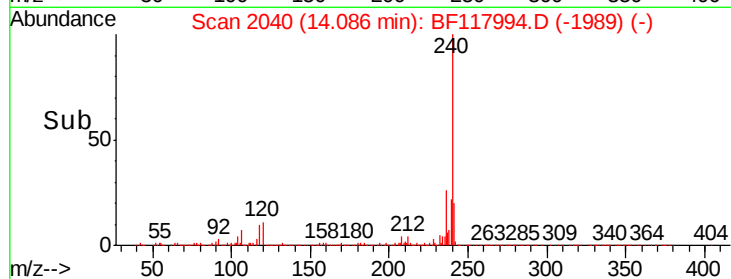
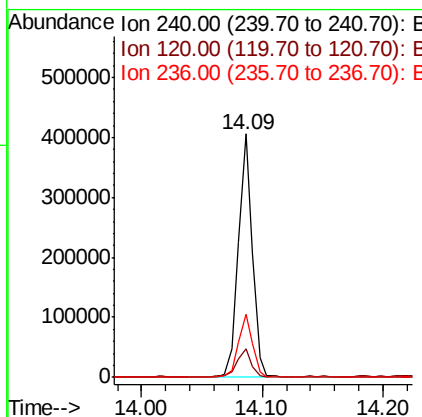
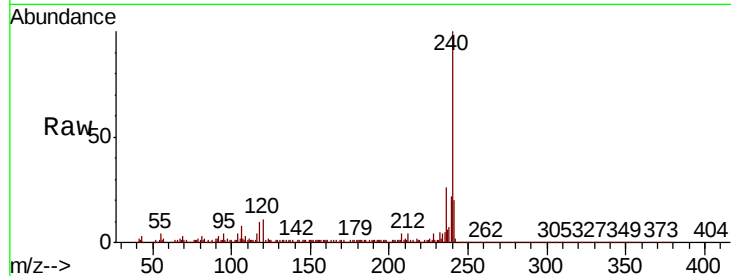
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. 0.00 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 9.5   | 14.3  |
| 236     | 25.9  | 21.3  | 31.9  |

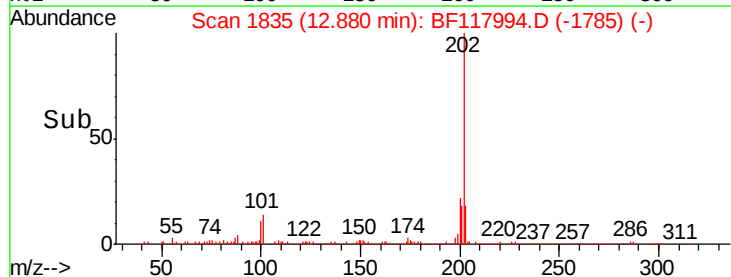
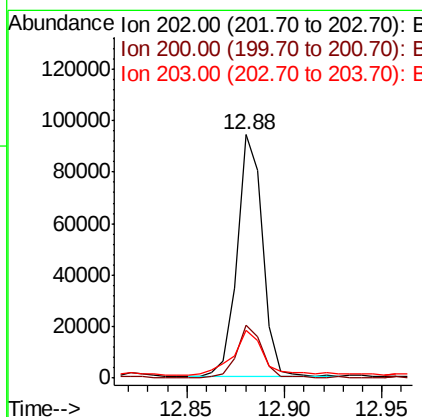
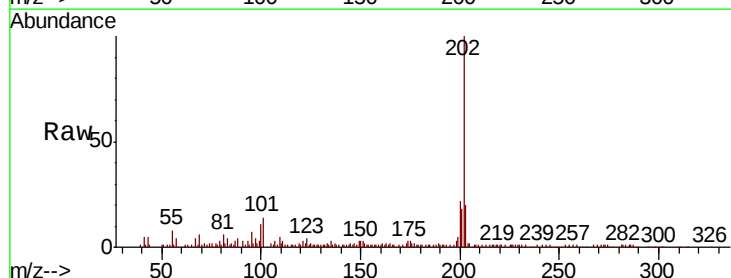
Manual Integrations  
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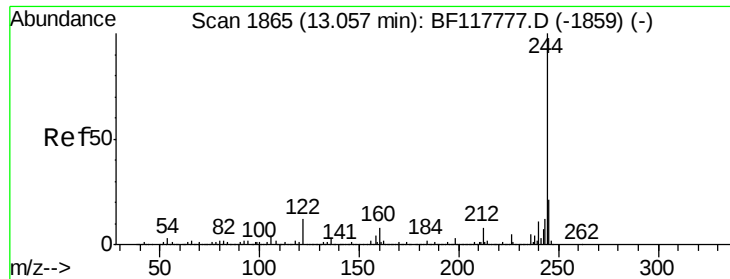
mohammad  
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#78  
Pyrene  
Concen: 3.190 ng  
RT: 12.88 min Scan# 1835  
Delta R.T. -0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.9  | 17.8  | 26.8  |
| 203     | 19.5  | 14.6  | 22.0  |





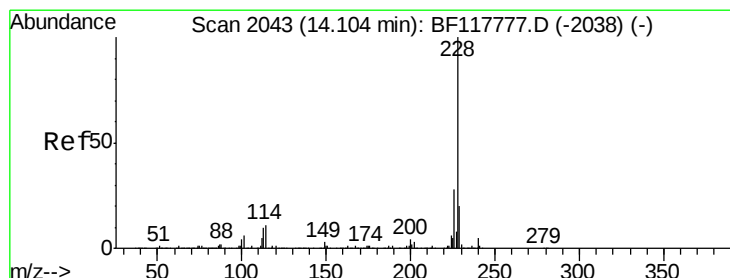
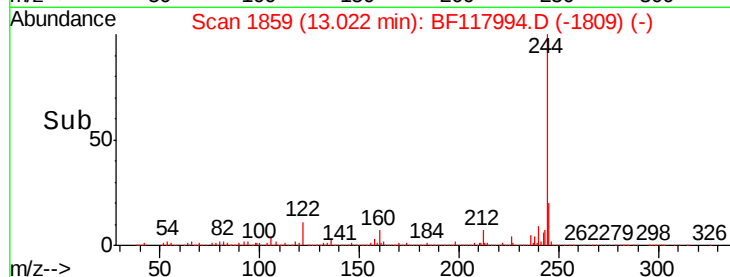
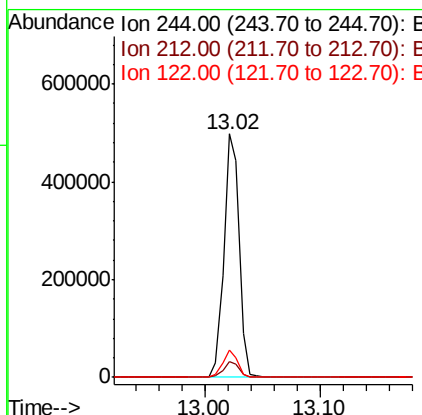
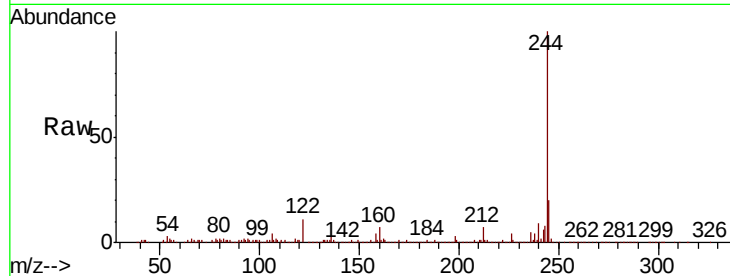
#79  
 Terphenyl-d14  
 Concen: 25.246 ng  
 RT: 13.02 min Scan# 1859  
 Delta R.T. -0.01 min  
 Lab File: BF117994.D  
 Acq: 26 Nov 2019 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 6.3   | 9.5   |
| 122     | 11.4  | 9.4   | 14.2  |

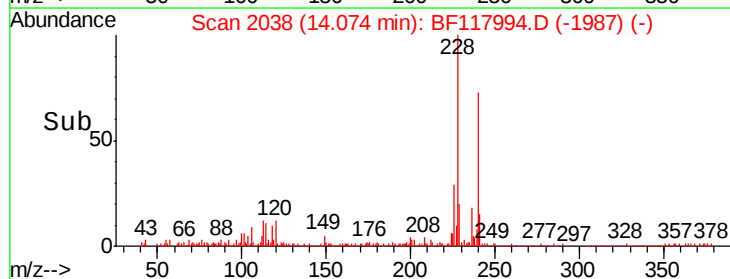
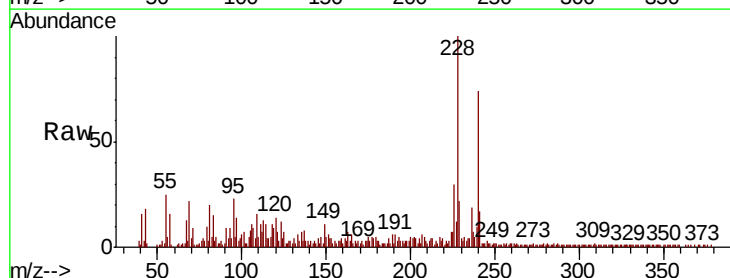
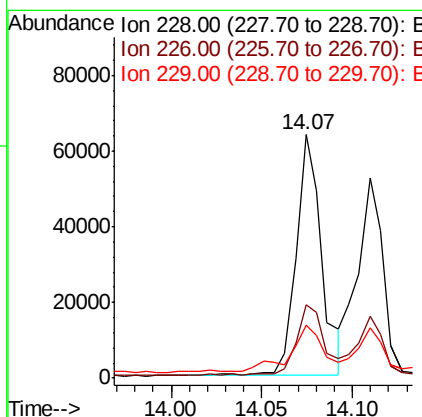
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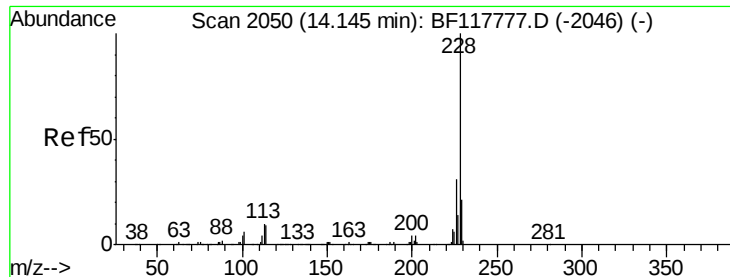
mohammad  
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#81  
 Benzo(a)anthracene  
 Concen: 2.907 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. 0.00 min  
 Lab File: BF117994.D  
 Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 22.2  | 33.2  |
| 229     | 21.7  | 15.9  | 23.9  |





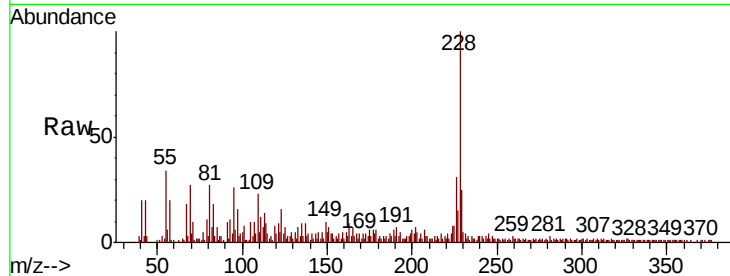
#83  
Chrysene  
Concen: 2.483 ng m  
RT: 14.11 min Scan# 2044  
Delta R.T. -0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 25.0  | 37.4  |
| 229     | 25.1  | 16.6  | 25.0  |

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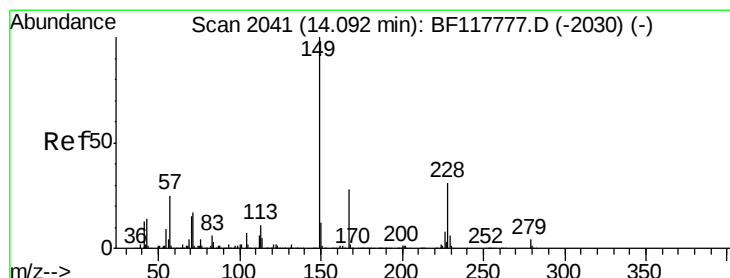
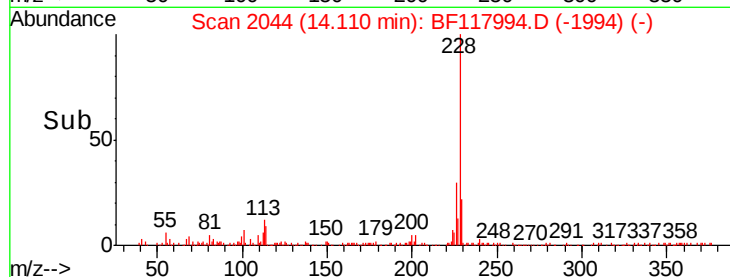
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

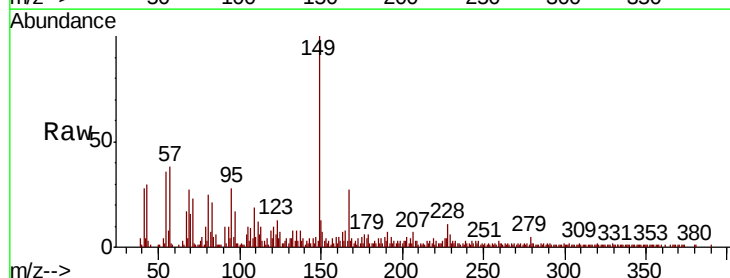
Ion 229.00 (228.70 to 229.70): E

Time-->



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.412 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. 0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 22.2  | 33.2  |
| 279     | 5.1   | 3.4   | 5.2   |



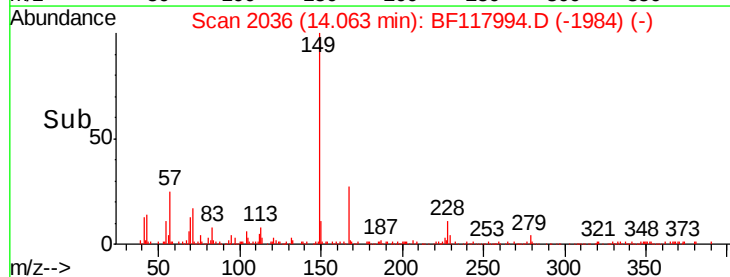
Abundance

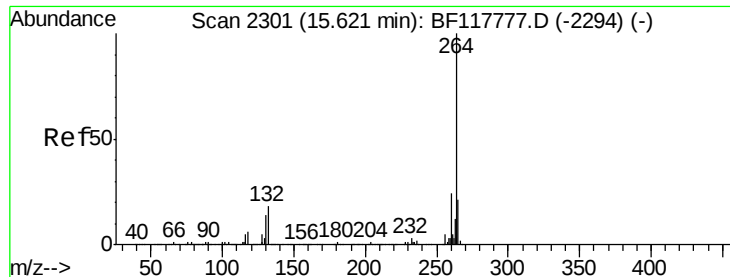
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





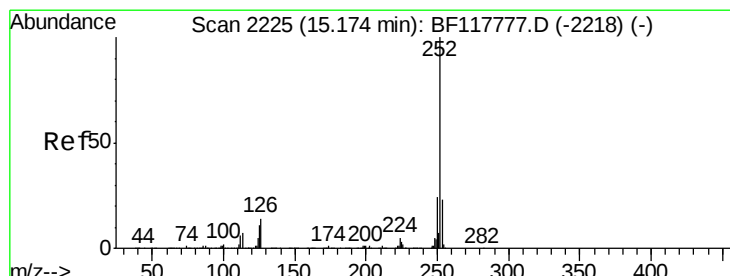
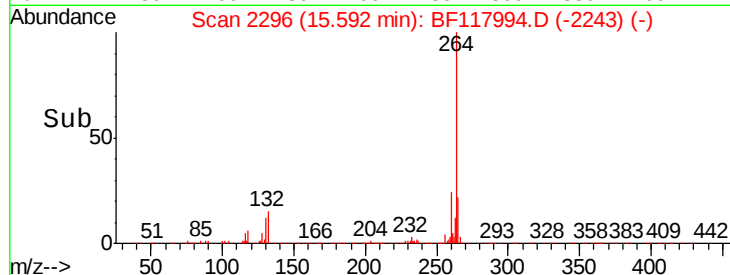
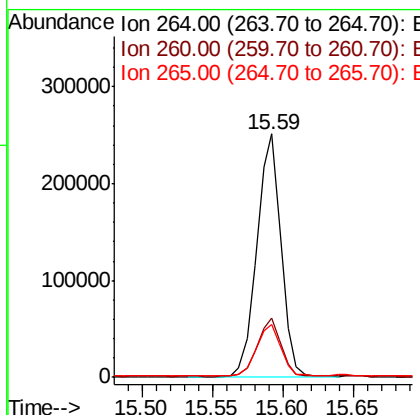
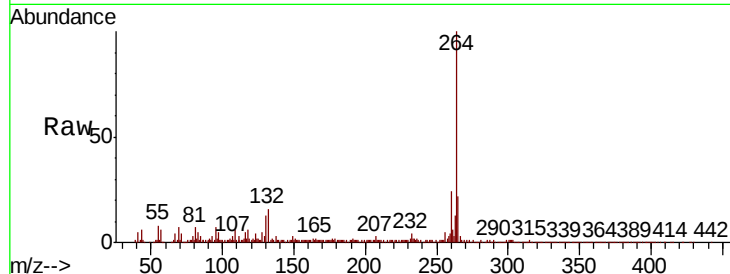
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.59 min Scan# 2296  
Delta R.T. 0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.4  | 29.0  |
| 265     | 22.0  | 17.1  | 25.7  |

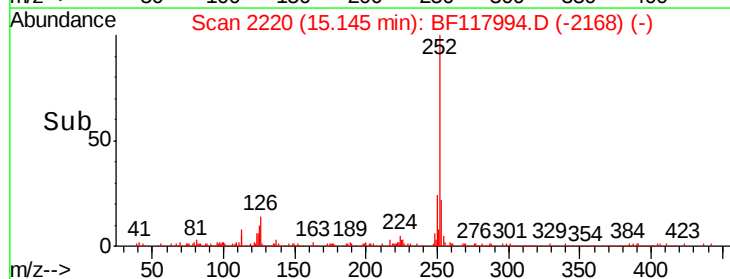
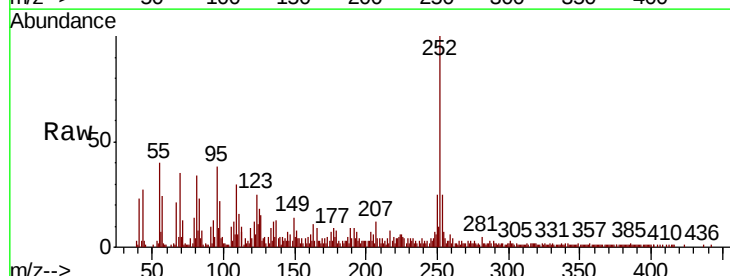
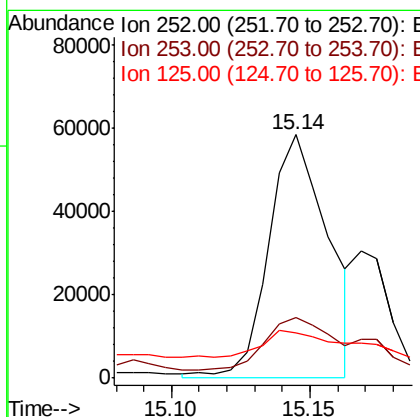
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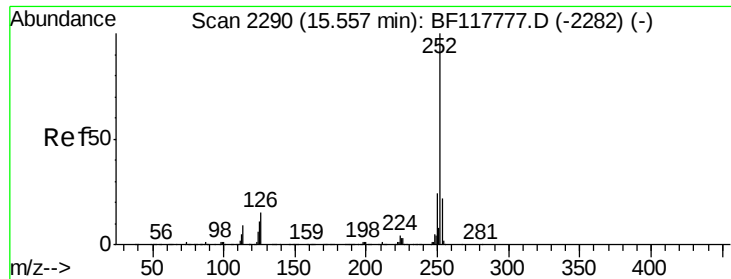
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#88  
Benzo(b)fluoranthene  
Concen: 4.426 ng m  
RT: 15.14 min Scan# 2220  
Delta R.T. 0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.1  | 18.0  | 27.0  |
| 125     | 18.5  | 8.6   | 13.0  |





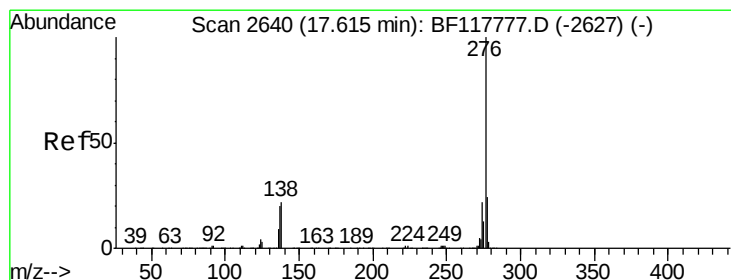
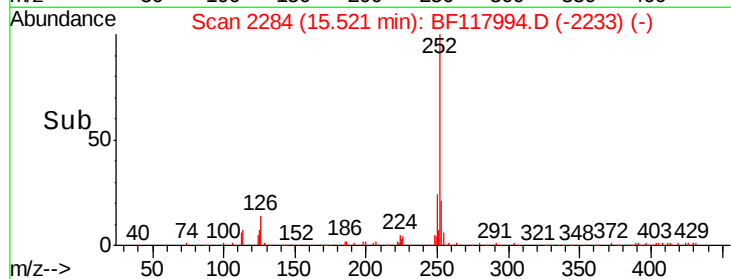
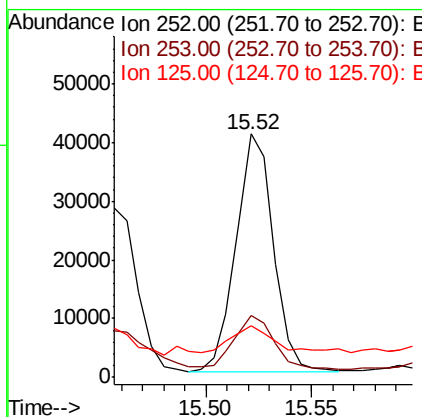
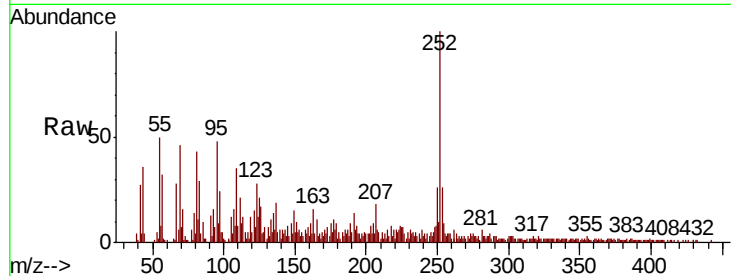
#90  
Benzo(a)pyrene  
Concen: 2.888 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. 0.00 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
IDLEWILD-BH-03A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.6  | 17.8  | 26.6  |
| 125     | 21.2  | 9.2   | 13.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 2.012 ng  
RT: 17.57 min Scan# 2632  
Delta R.T. 0.01 min  
Lab File: BF117994.D  
Acq: 26 Nov 2019 4:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.2  | 18.9  | 28.3  |
| 138     | 30.1  | 17.4  | 26.2  |

