

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\  
 Data File : BF099325.D  
 Acq On : 11 Oct 2017 3:01  
 Operator : SJ/JU  
 Sample : I5745-04 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-100617-B

Manual Integrations  
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 10/11/2017 7:24:15 PM

Quant Time: Oct 11 05:03:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 93300    | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.15  | 136  | 342853   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.90  | 164  | 131981   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.39 | 188  | 219889   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 14.03 | 240  | 189839   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.51 | 264  | 131688   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.48  | 112  | 248509   | 42.40 | ng    | 0.00           |
| 7) Phenol-d6                | 6.49  | 99   | 289892   | 40.10 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 147781   | 27.64 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 42011    | 38.90 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 277600   | 35.11 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.97 | 244  | 238836   | 28.61 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.61  | 163  | 42560    | 4.273 | ng    | Qvalue<br># 97 |
| 70) Phenanthrene            | 11.41 | 178  | 53247    | 4.524 | ng    | 99             |
| 74) Fluoranthene            | 12.60 | 202  | 83468    | 7.003 | ng    | 95             |
| 77) Pyrene                  | 12.83 | 202  | 76336    | 5.273 | ng    | 98             |
| 80) Benzo(a)anthracene      | 14.02 | 228  | 33156    | 2.884 | ng    | 98             |
| 82) Chrysene                | 14.06 | 228  | 31971    | 2.921 | ng    | 97             |
| 87) Benzo(b)fluoranthene    | 15.07 | 252  | 29726m   | 3.671 | ng    |                |
| 89) Benzo(a)pyrene          | 15.44 | 252  | 19938    | 2.683 | ng    | # 84           |
| 91) Benzo(g,h,i)perylene    | 17.45 | 276  | 12048    | 2.049 | ng    | # 82           |

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

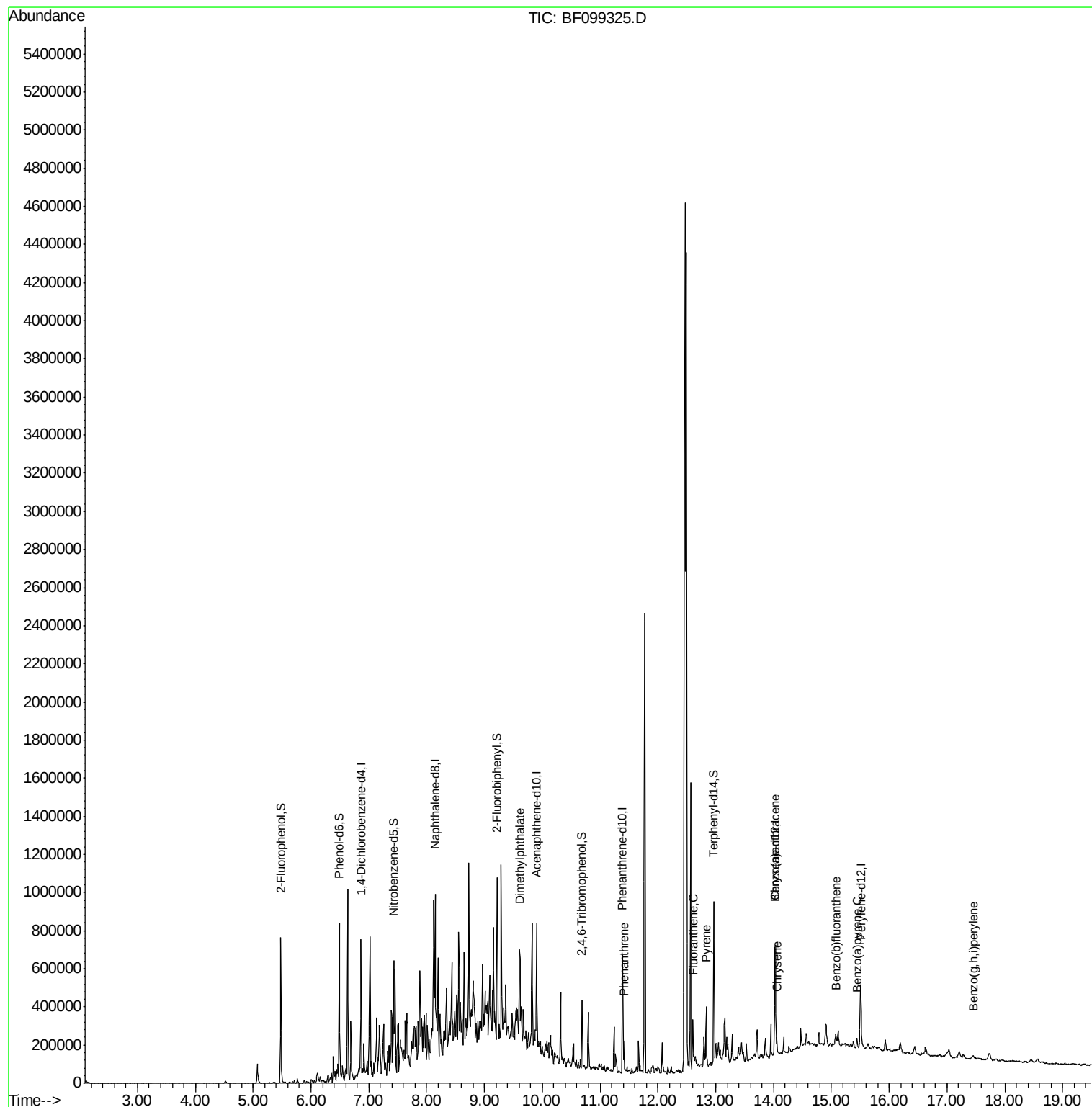
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\  
Data File : BF099325.D  
Acq On : 11 Oct 2017 3:01  
Operator : SJ/JU  
Sample : I5745-04 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-100617-B

Manual Integrations  
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Quant Time: Oct 11 05:03:24 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 05 17:20:48 2017  
Response via : Initial Calibration





#1

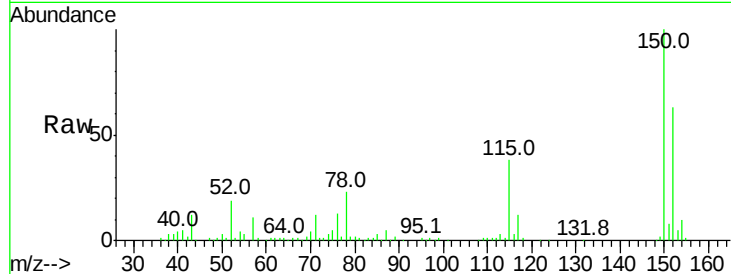
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-100617-B

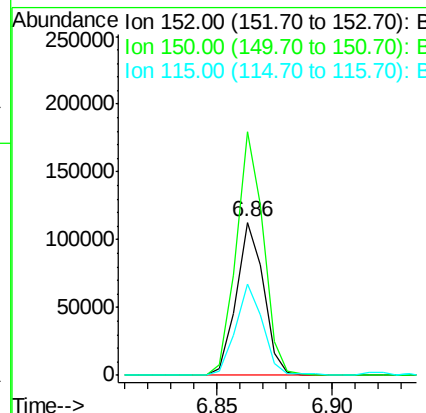
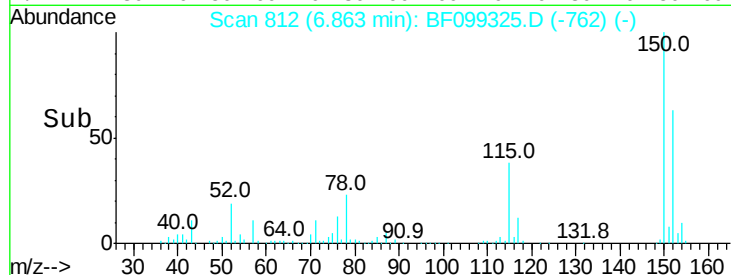
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.9 | 124.6 | 186.8 |
| 115     | 59.9  | 50.1  | 75.1  |

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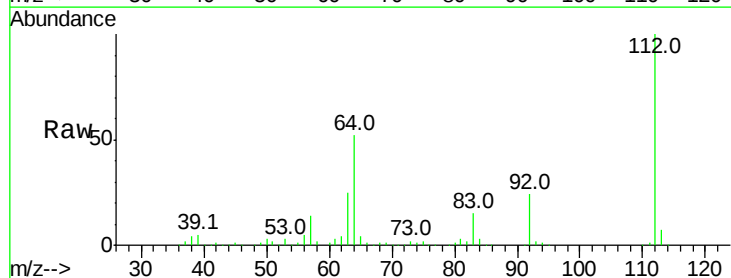
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



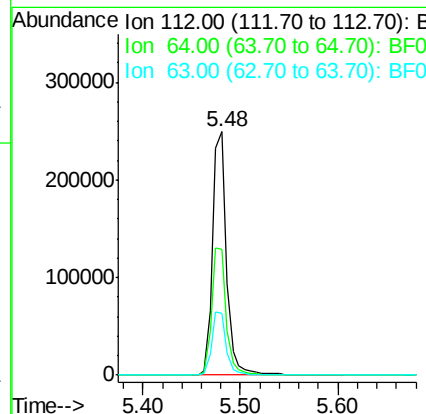
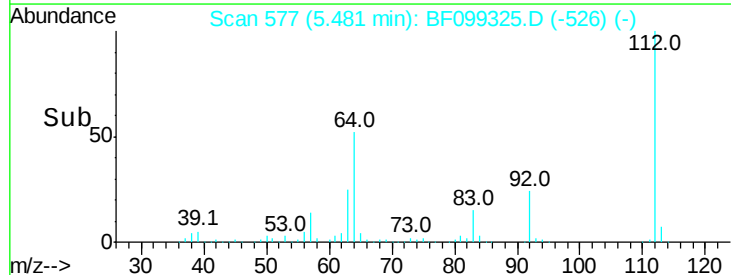
#5

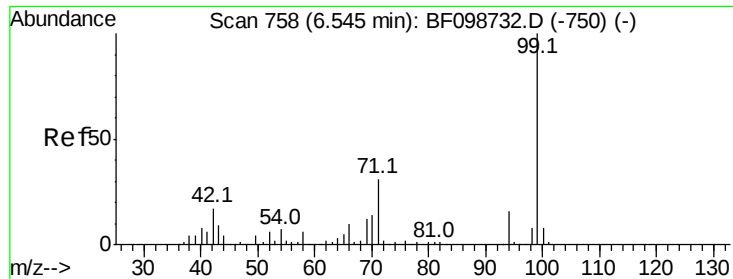
2-Fluorophenol  
Concen: 42.401 ng  
RT: 5.48 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.9  | 47.9  | 71.9  |
| 63      | 25.5  | 23.7  | 35.5  |



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: 40.095 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA\_F

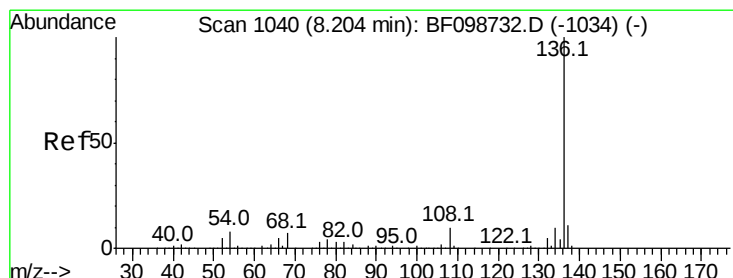
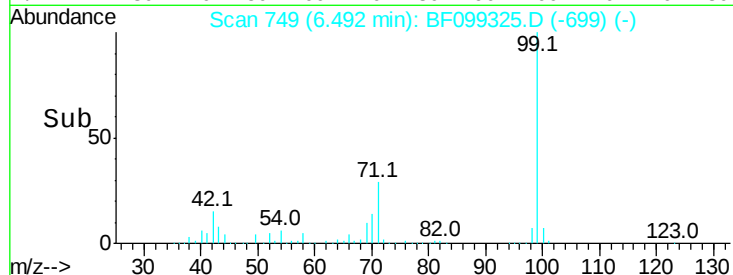
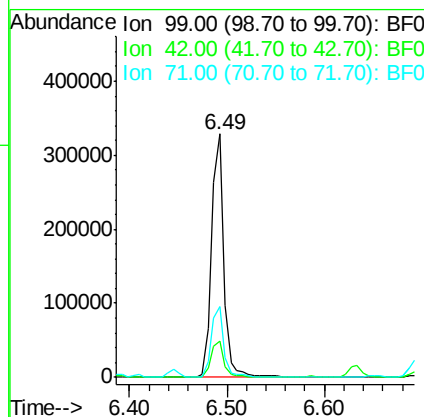
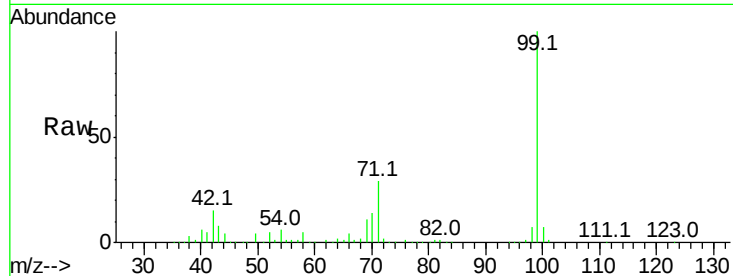
ClientSampleId :

HR-06-100617-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 289892 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.9  | 14.5  | 21.7   |
| 71        | 28.9  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

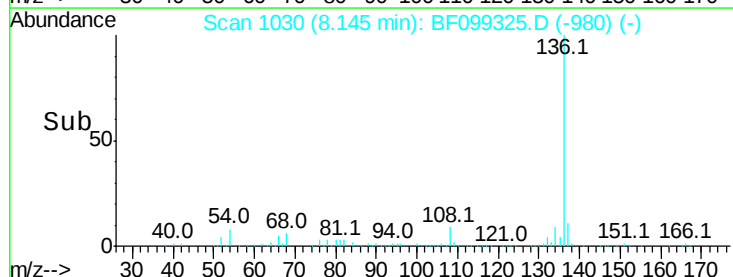
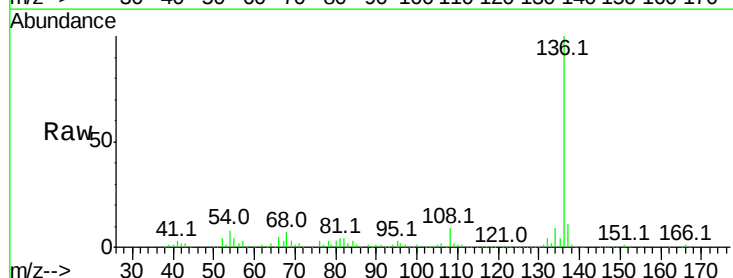
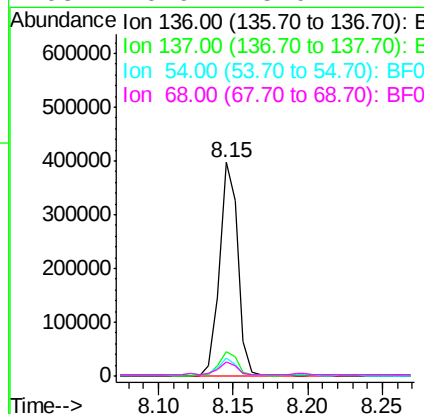
RT: 8.15 min Scan# 1030

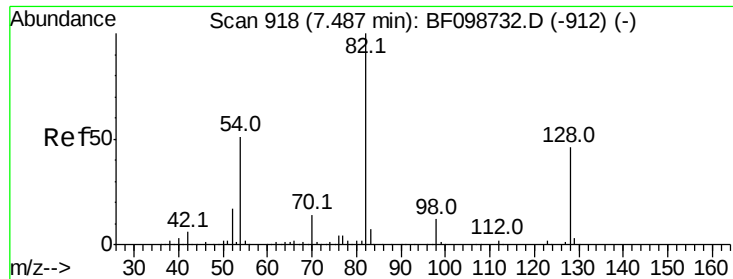
Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 342853 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 8.9   | 13.3   |
| 54        | 8.3   | 6.6   | 9.8    |
| 68        | 6.9   | 5.0   | 7.4    |





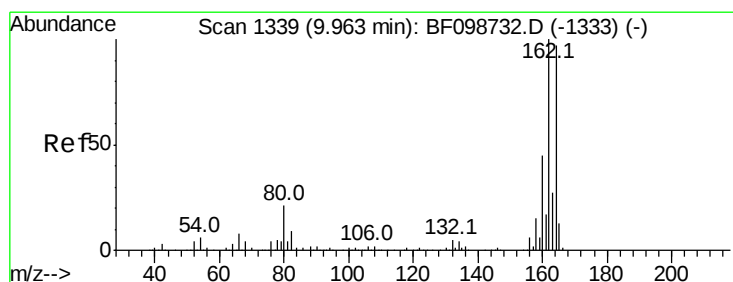
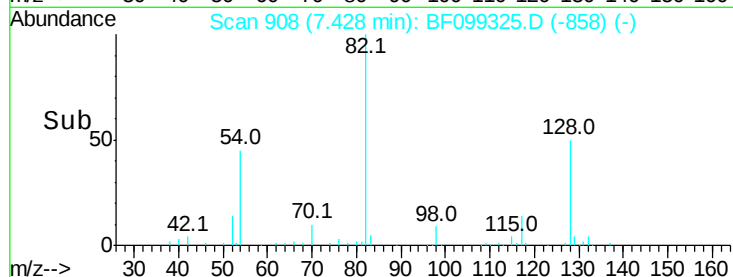
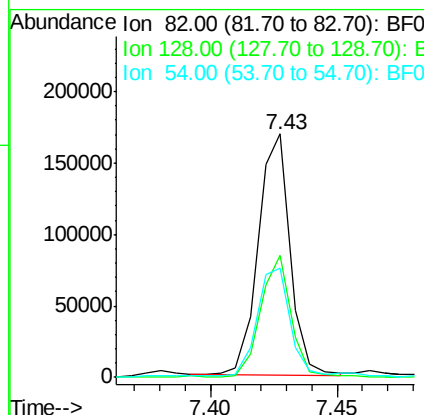
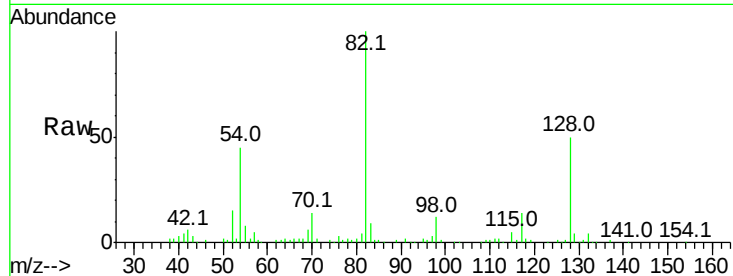
#23  
 Nitrobenzene-d5  
 Concen: 27.642 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.9  | 36.1  | 54.1  |
| 54      | 45.0  | 41.4  | 62.2  |

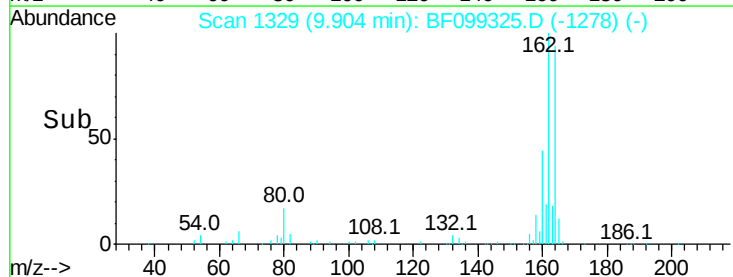
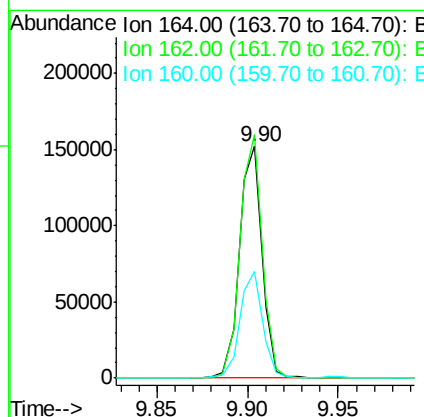
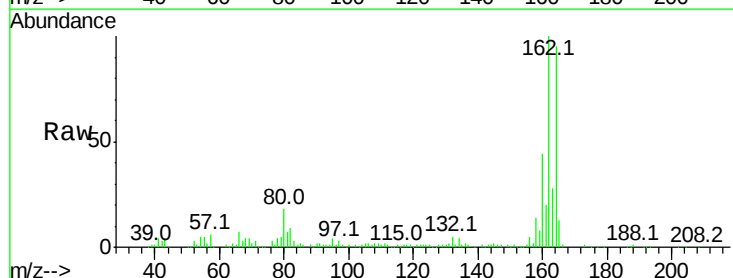
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.00 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.2 | 86.1  | 129.1 |
| 160     | 46.1  | 38.3  | 57.5  |





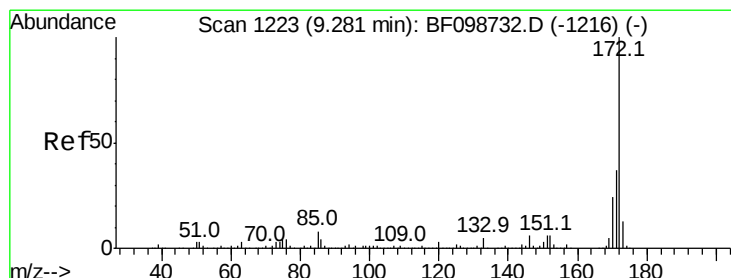
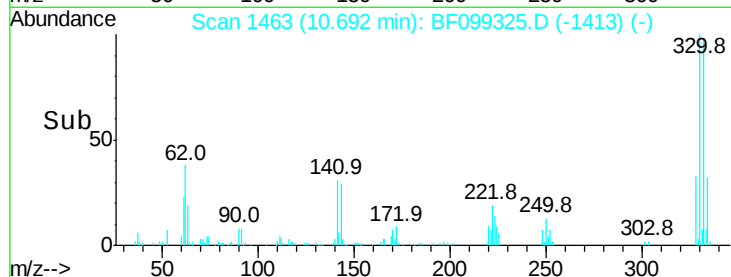
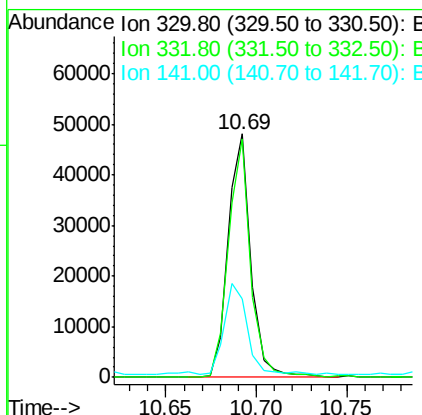
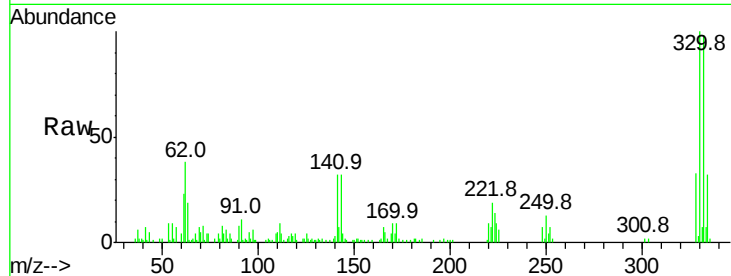
#41  
 2,4,6-Tribromophenol  
 Concen: 38.900 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-100617-B

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 42011 |       |       |
| 332     | 95.8  | 77.0  | 115.6 |       |
| 141     | 39.5  | 29.9  | 44.9  |       |

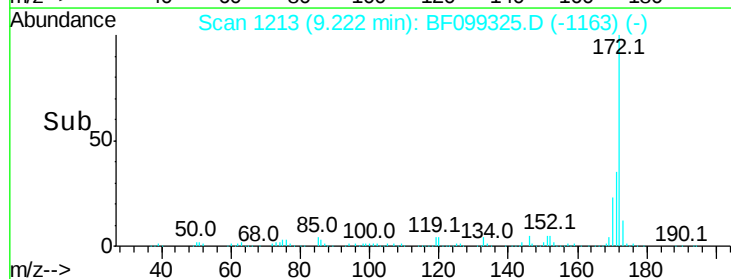
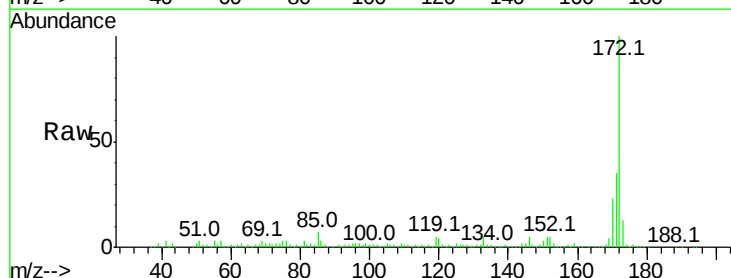
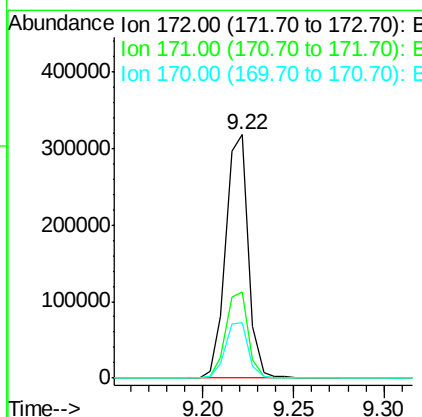
Manual Integrations  
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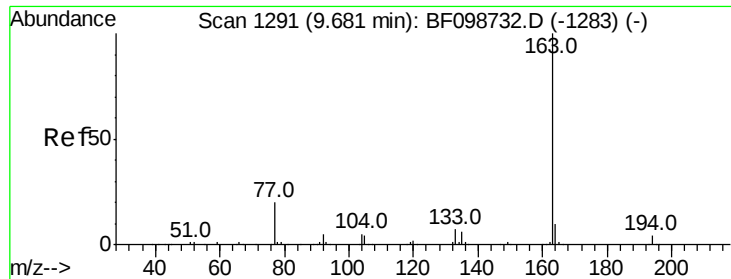
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#44  
 2-Fluorobiphenyl  
 Concen: 35.113 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 277600 |       |       |
| 171     | 35.4  | 29.7   | 44.5  |       |
| 170     | 22.7  | 19.6   | 29.4  |       |





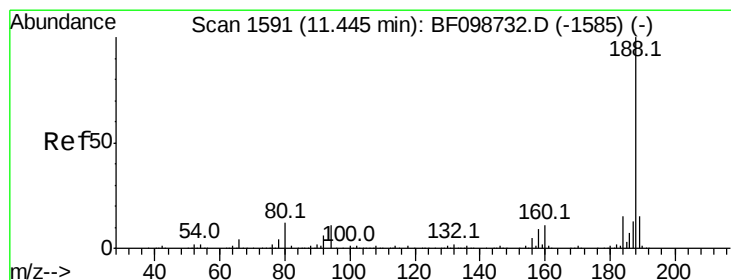
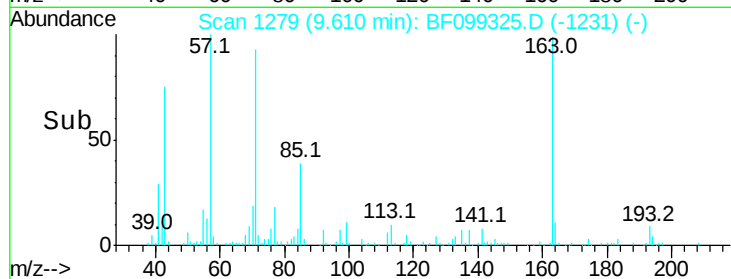
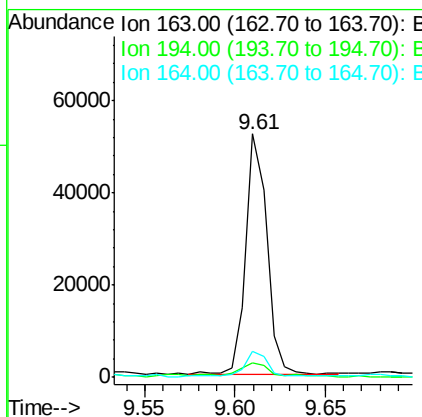
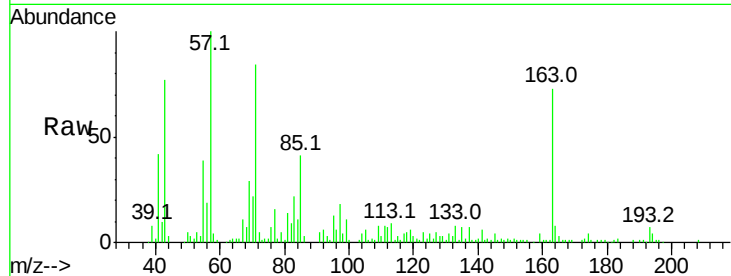
#49  
Dimethylphthalate  
Concen: 4.273 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.02 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 6.1   | 2.7   | 4.1#  |
| 164     | 10.7  | 8.2   | 12.2  |

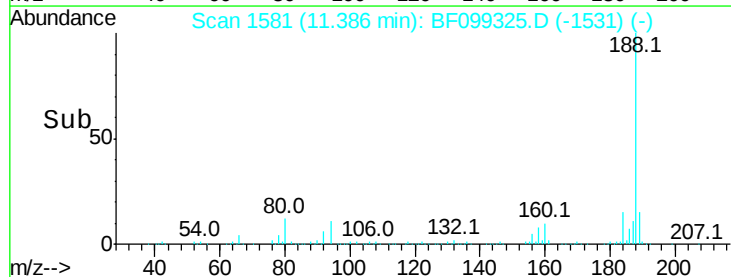
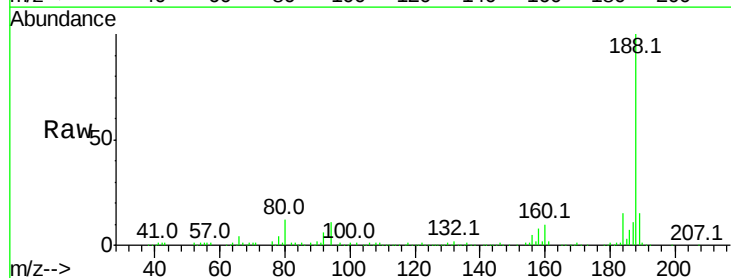
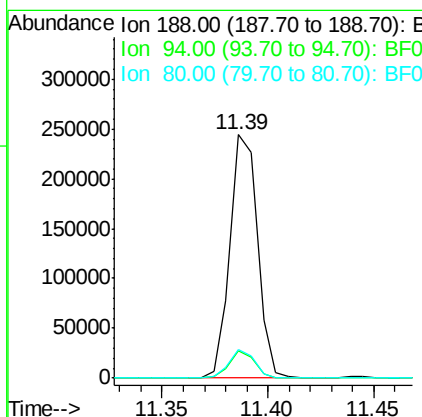
Manual Integrations  
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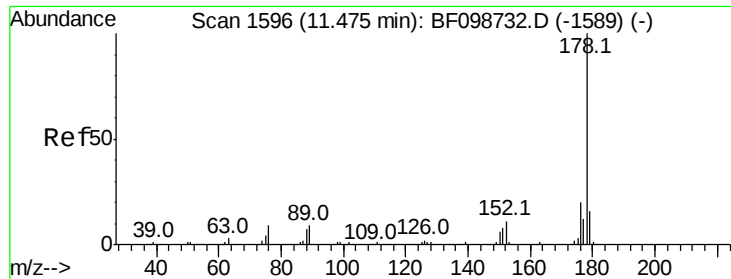
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#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.4  | 8.5   | 12.7  |
| 80      | 11.9  | 9.2   | 13.8  |





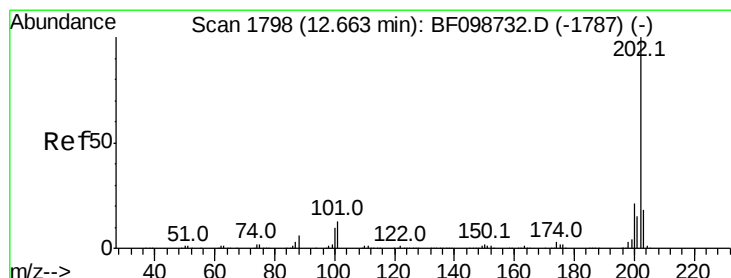
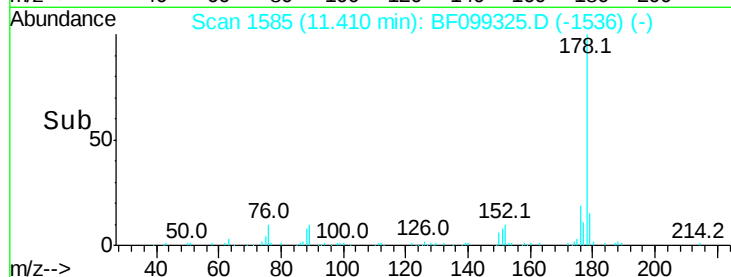
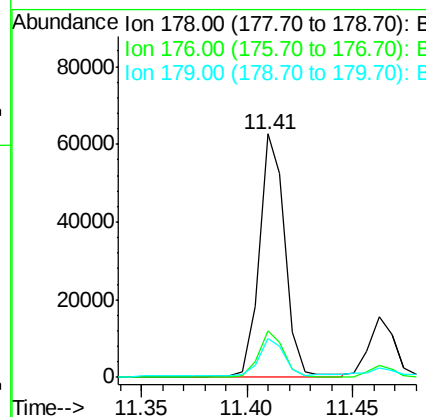
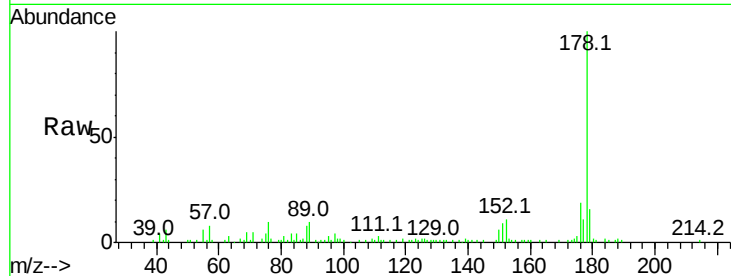
#70  
Phenanthrene  
Concen: 4.524 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.8  | 23.8  |
| 179     | 15.7  | 13.0  | 19.6  |

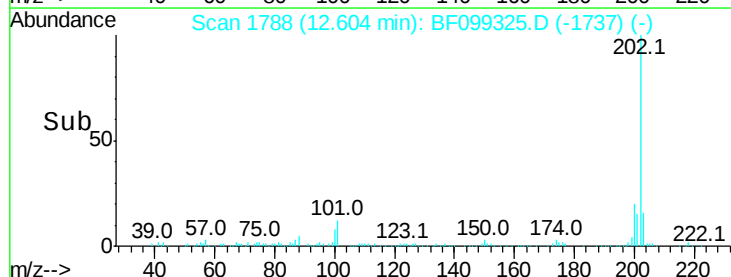
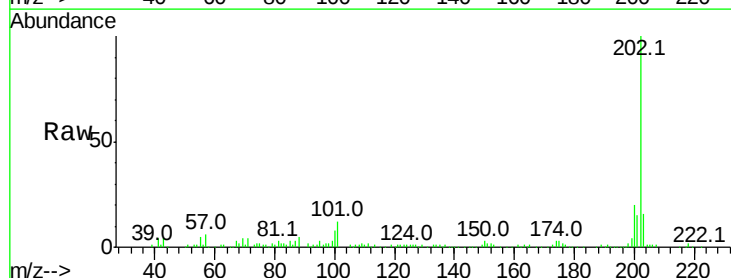
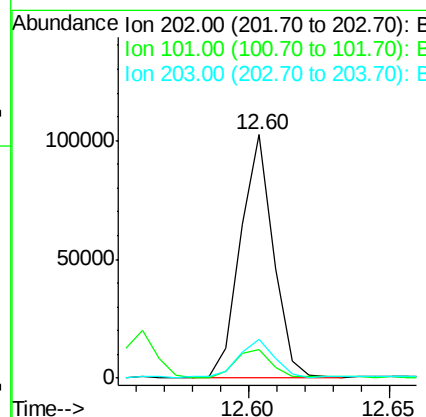
Manual Integrations  
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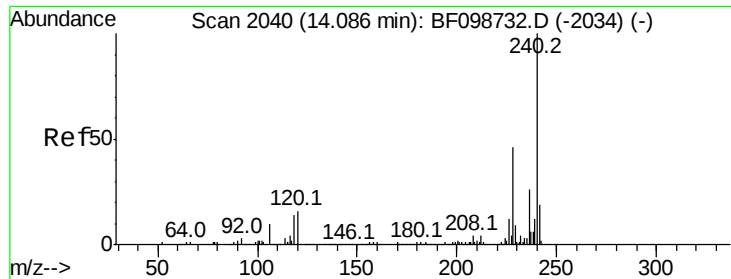
Sohil  
10/11/2017 7:24:15 PM



#74  
Fluoranthene  
Concen: 7.003 ng  
RT: 12.60 min Scan# 1788  
Delta R.T. -0.00 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.6  | 0.0   | 34.1  |
| 203     | 16.2  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA\_F

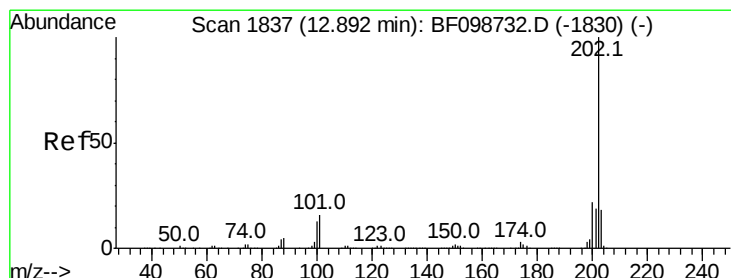
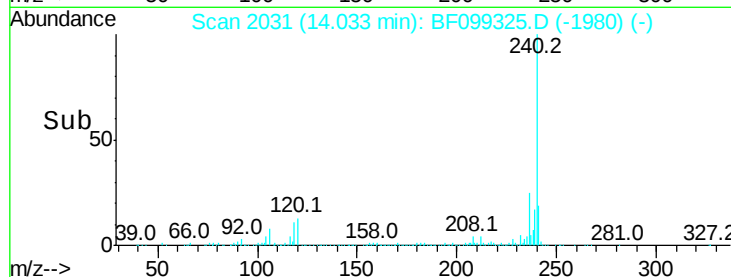
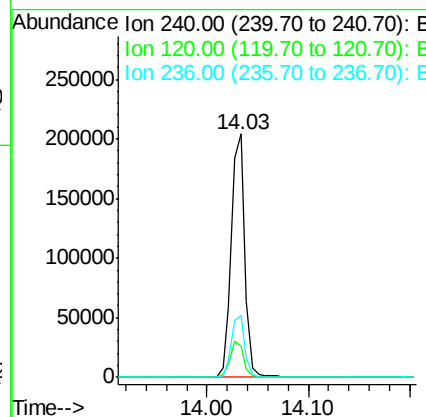
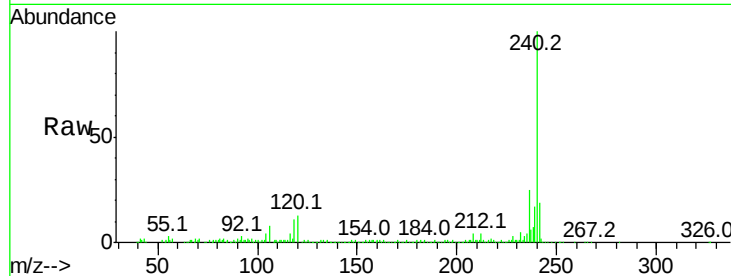
ClientSampleId :

HR-06-100617-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 189839 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.0  | 9.5   | 14.3   |
| 236       | 25.2  | 20.7  | 31.1   |

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#77

Pyrene

Concen: 5.273 ng

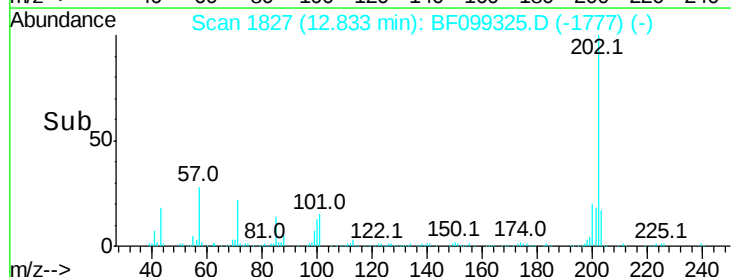
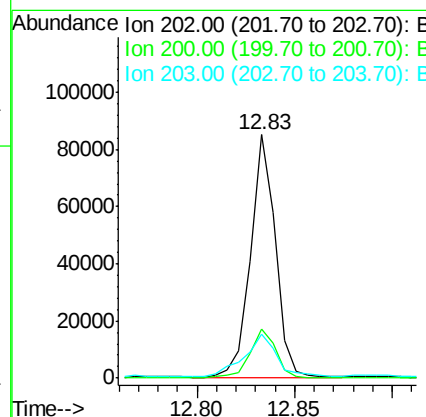
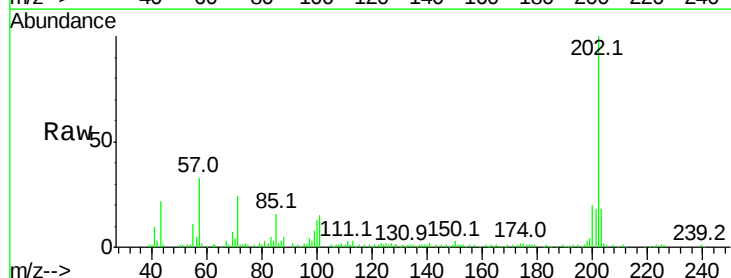
RT: 12.83 min Scan# 1827

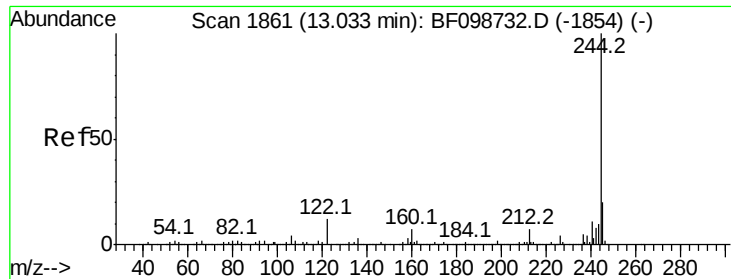
Delta R.T. -0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 76336 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 19.9  | 17.4  | 26.2  |
| 203       | 17.9  | 14.3  | 21.5  |





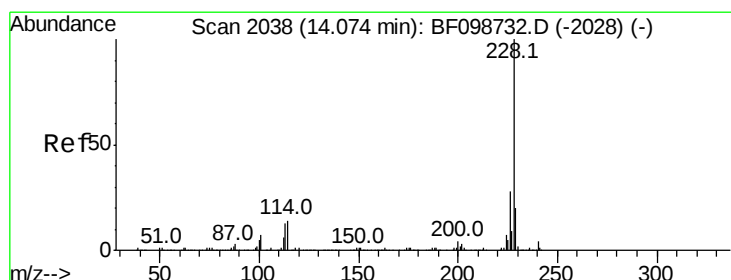
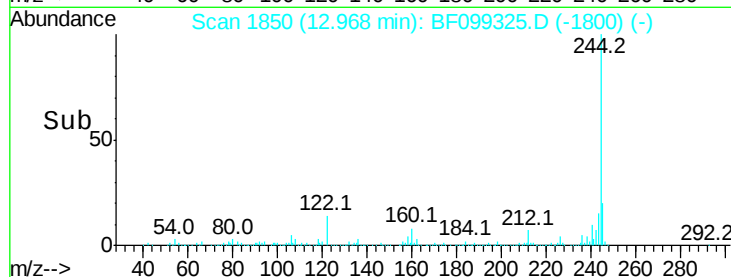
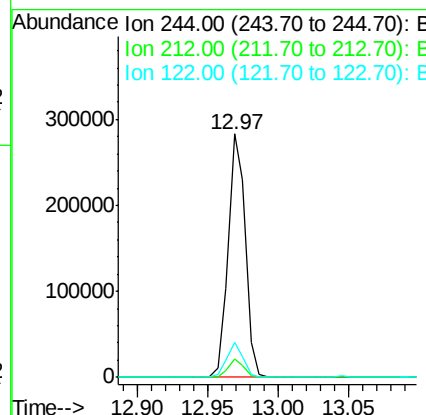
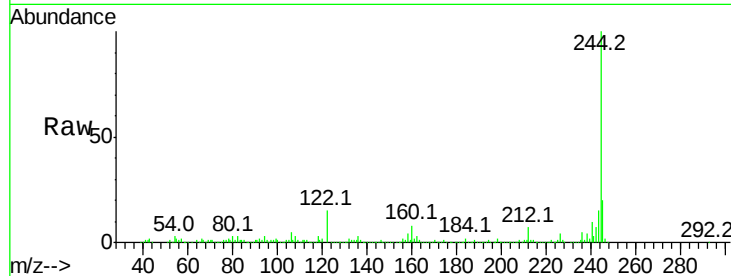
#78  
 Terphenyl-d14  
 Concen: 28.612 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.4   | 8.0   |
| 122     | 14.5  | 11.0  | 16.4  |

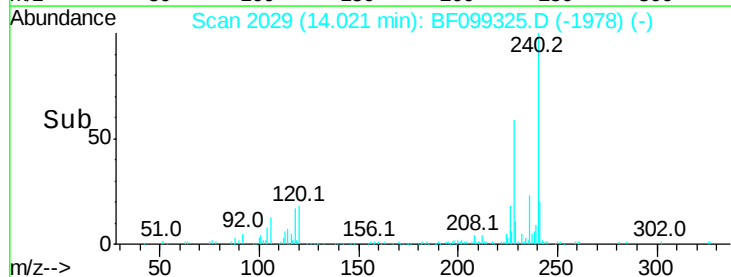
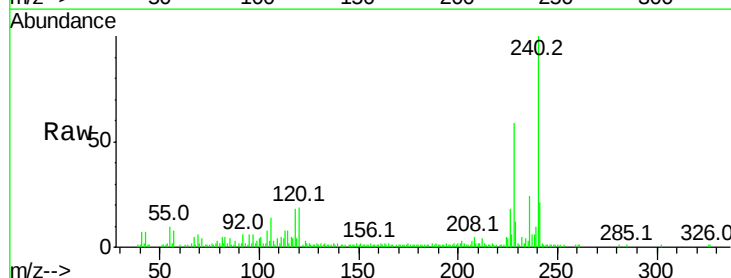
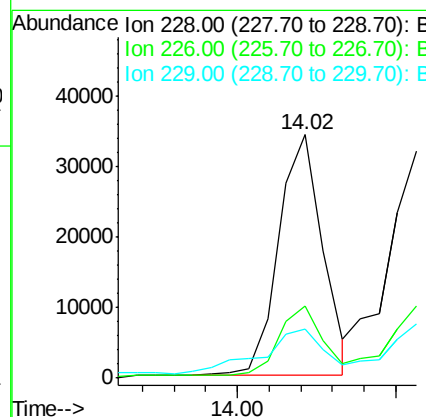
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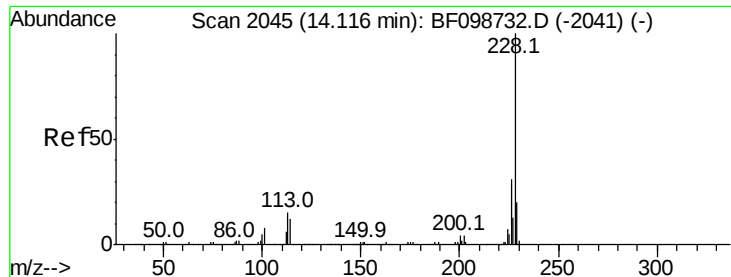
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#80  
 Benzo(a)anthracene  
 Concen: 2.884 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.00 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.5  | 22.6  | 33.8  |
| 229     | 20.3  | 15.8  | 23.6  |





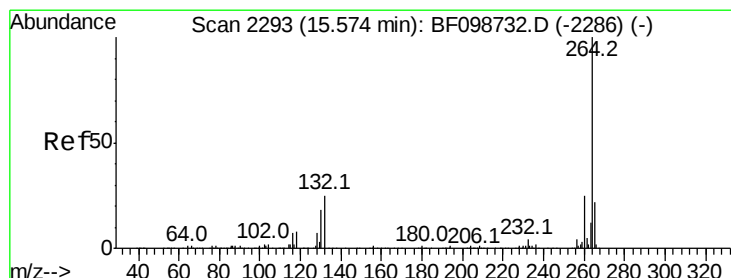
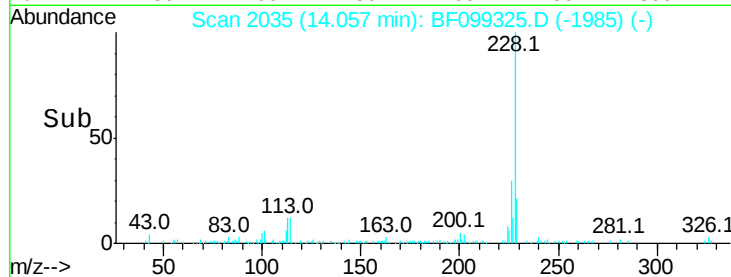
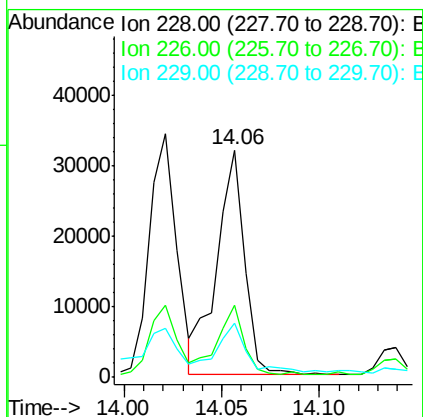
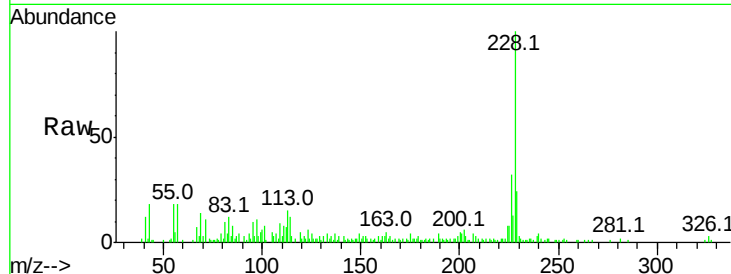
#82  
 Chrysene  
 Concen: 2.921 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 25.0  | 37.6  |
| 229     | 23.7  | 16.2  | 24.4  |

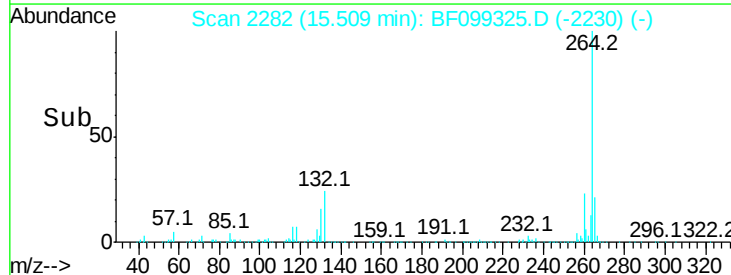
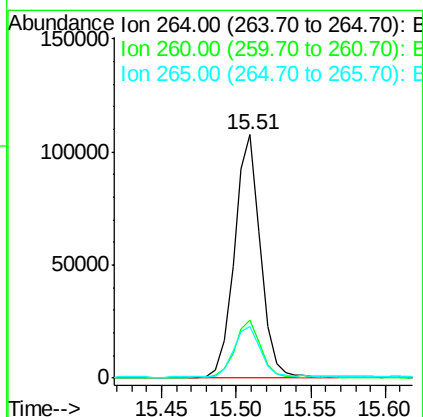
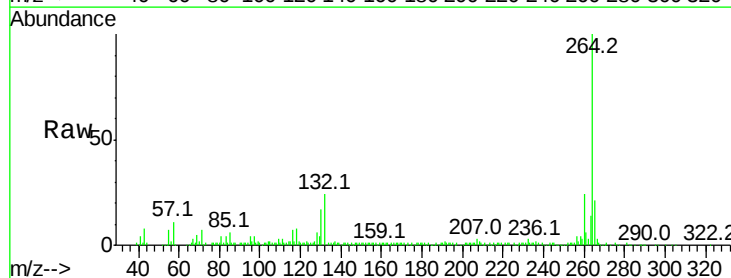
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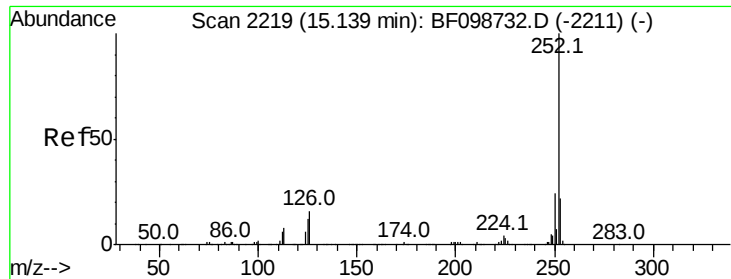
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.51 min Scan# 2282  
 Delta R.T. 0.01 min  
 Lab File: BF099325.D  
 Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |





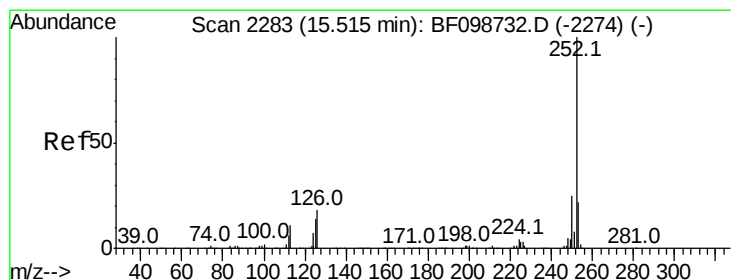
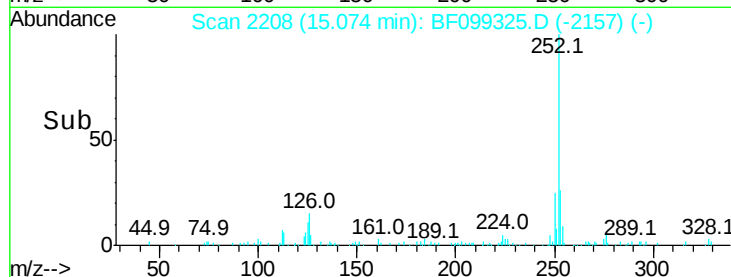
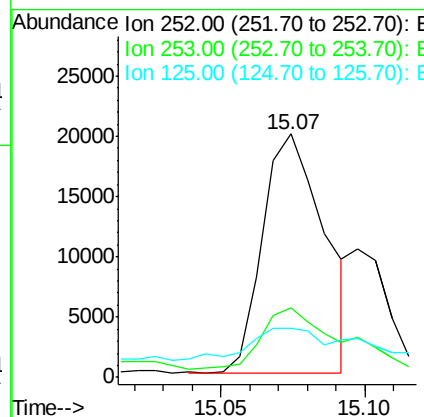
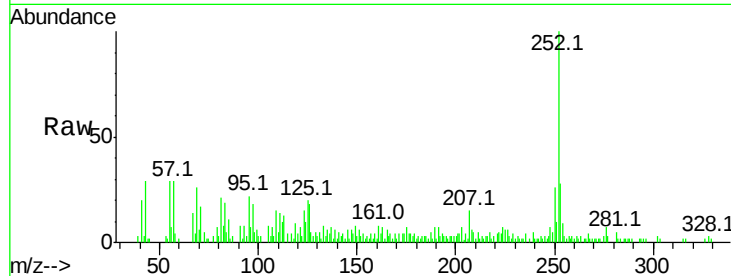
#87  
Benzo(b)fluoranthene  
Concen: 3.671 ng m  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-100617-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.3  | 17.0  | 25.6# |
| 125     | 20.2  | 9.0   | 13.6# |

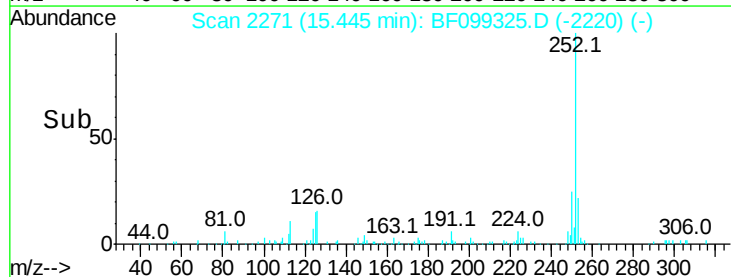
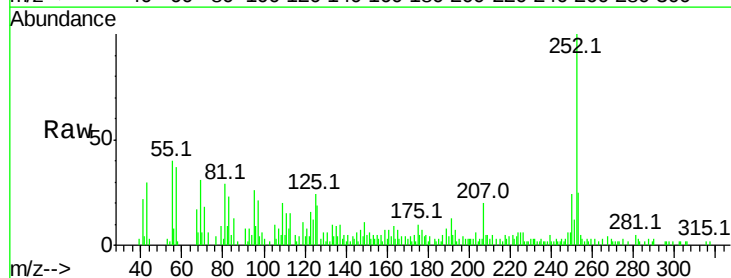
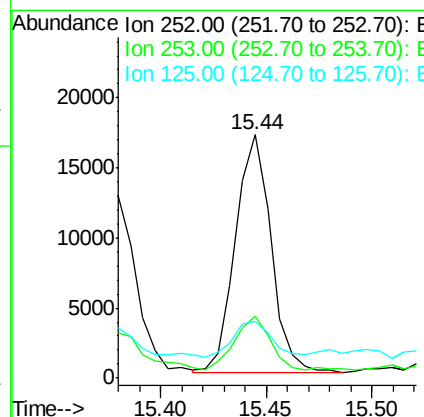
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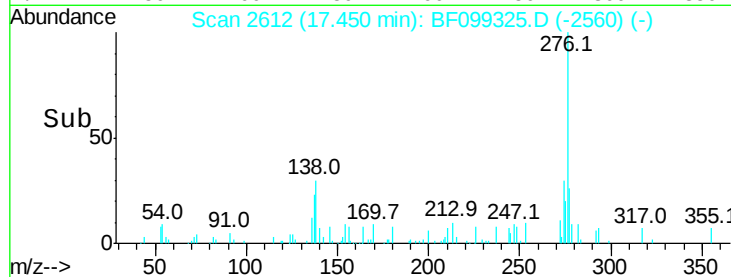
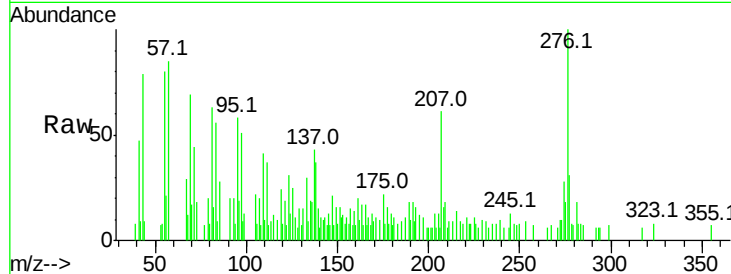
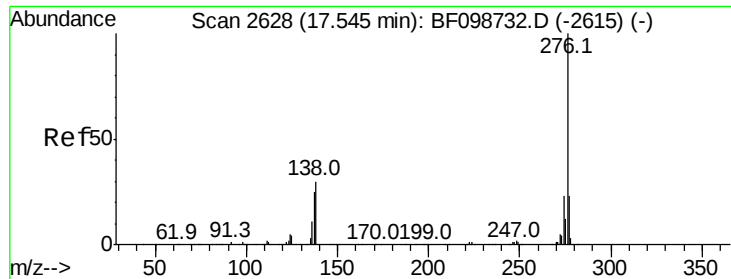
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#89  
Benzo(a)pyrene  
Concen: 2.683 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: BF099325.D  
Acq: 11 Oct 2017 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.3  | 17.1  | 25.7  |
| 125     | 23.5  | 9.8   | 14.6# |





#91

Benzo(a,h,i)perylene

Concen: 2.049 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BF099325.D

Acq: 11 Oct 2017 3:01

Instrument :

BNA\_F

ClientSampleId :

HR-06-100617-B

Tot Ion: 276 Resp: 12048

Ion Ratio Lower Upper

276 100

277 30.8 17.9 26.9#

138 37.1 21.8 32.8#

Manual Integrations

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