

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\  
 Data File : BF099119.D  
 Acq On : 5 Oct 2017 22:38  
 Operator : SJ/JU  
 Sample : I5585-03 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G67-1-2

Manual Integrations  
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 10/6/2017 5:34:59 PM

Quant Time: Oct 06 03:40:59 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  | 125093   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 528446   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 228687   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.39 | 188  | 371112   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 220286   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.50 | 264  | 228419   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 178568   | 22.72 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 219565   | 22.65 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 128623   | 15.61 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 36232    | 19.36 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 255421   | 18.65 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 159682   | 16.49 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 73) Di-n-butylphthalate     | 11.94 | 149  | 68741    | 2.869 | ng    | 98       |
| 77) Pyrene                  | 12.83 | 202  | 36421    | 2.168 | ng    | 97       |
| 82) Chrysene                | 14.05 | 228  | 25892m   | 2.039 | ng    |          |
| 87) Benzo(b)fluoranthene    | 15.06 | 252  | 43429m   | 3.092 | ng    |          |

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

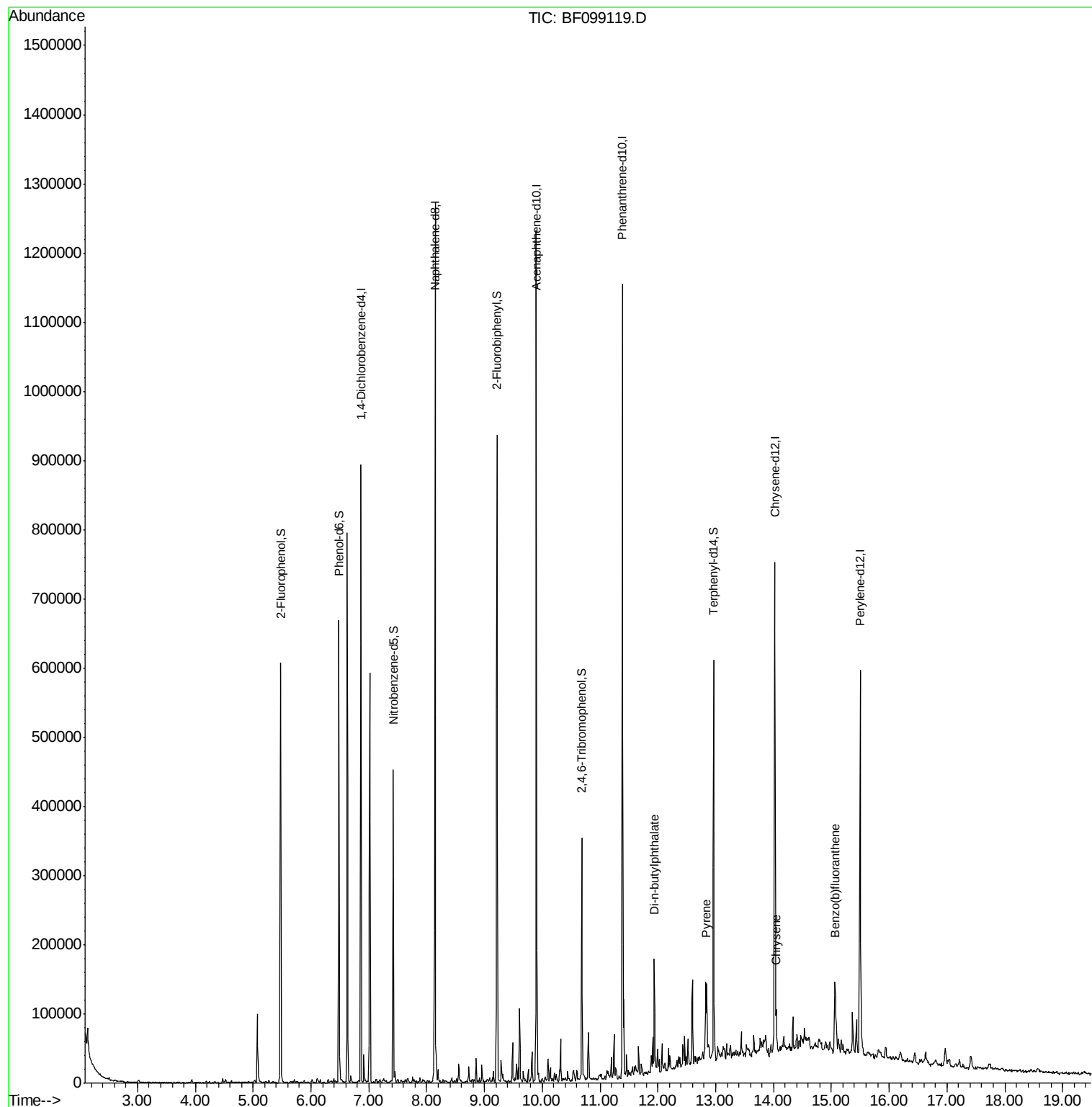
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\  
Data File : BF099119.D  
Acq On : 5 Oct 2017 22:38  
Operator : SJ/JU  
Sample : I5585-03 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

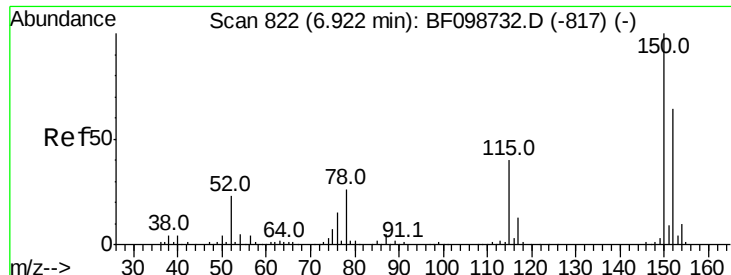
Instrument :  
BNA\_F  
ClientSampled :  
G67-1-2

Manual Integrations  
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10/6/2017 5:34:59 PM

Quant Time: Oct 06 03:40:59 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

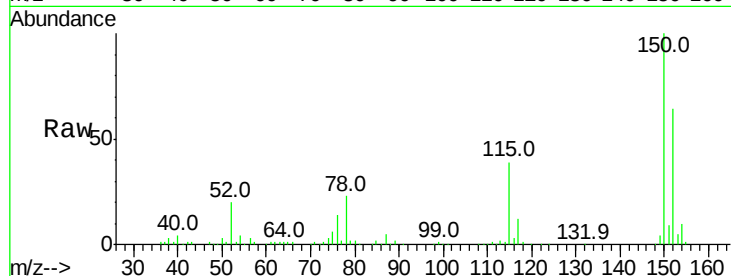
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

Instrument :  
BNA\_F  
ClientSampleId :  
G67-1-2

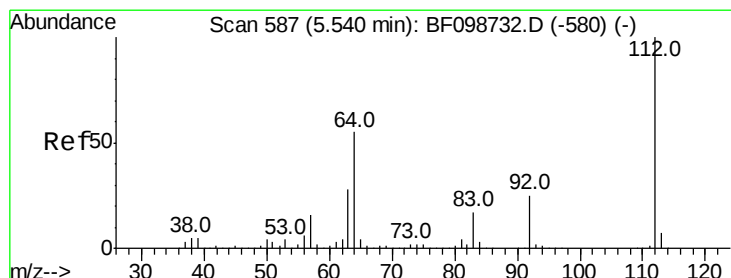
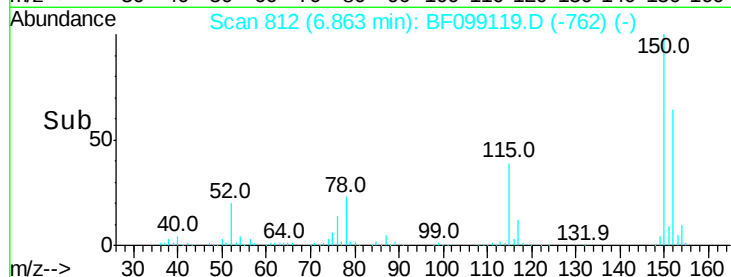
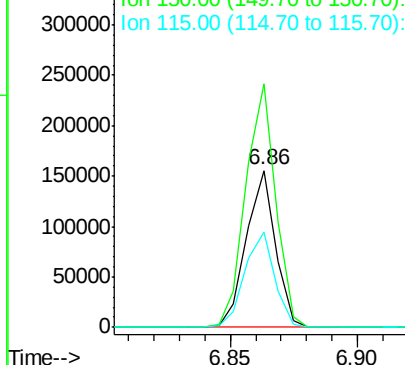
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 124.6 | 186.8 |
| 115     | 60.3  | 50.1  | 75.1  |

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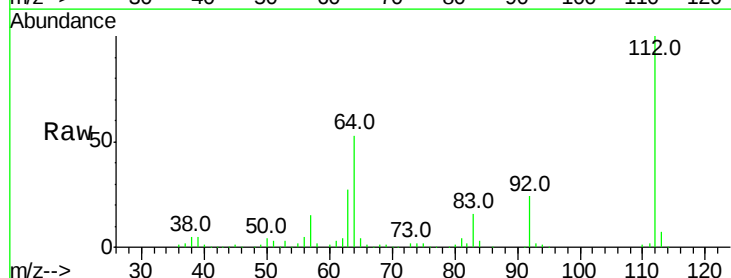
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



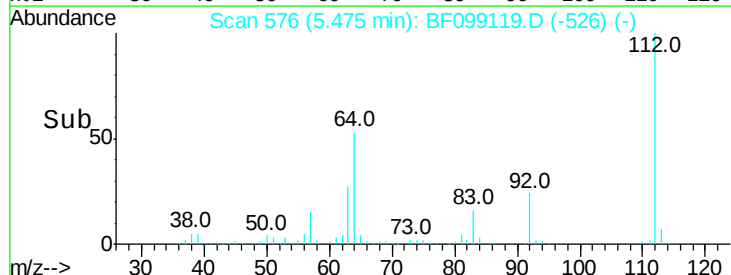
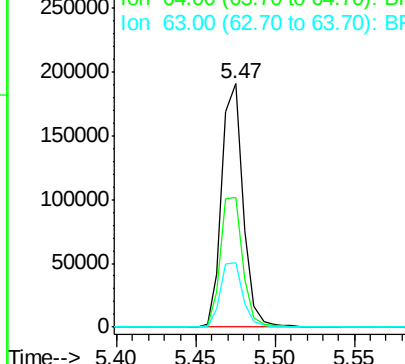
#5

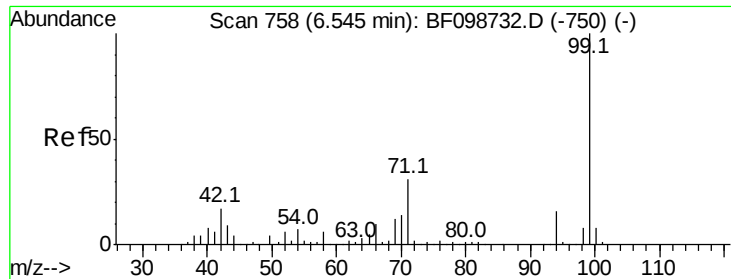
2-Fluorophenol  
Concen: 22.724 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.3  | 47.9  | 71.9  |
| 63      | 26.7  | 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: 22.650 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA\_F

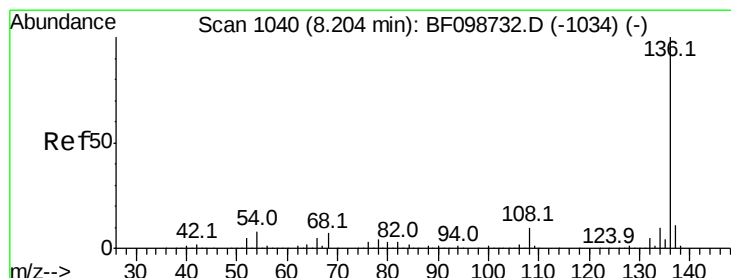
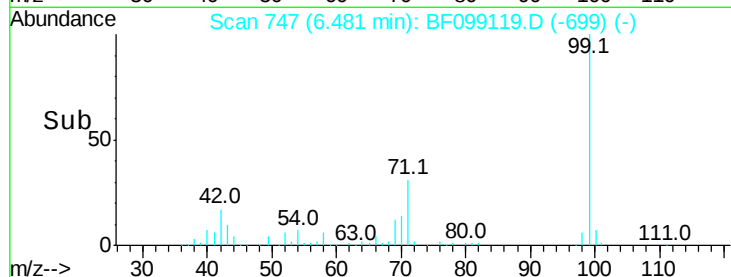
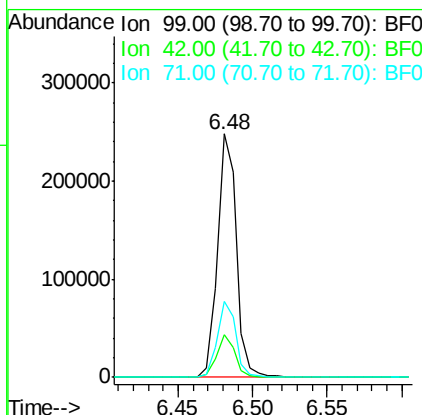
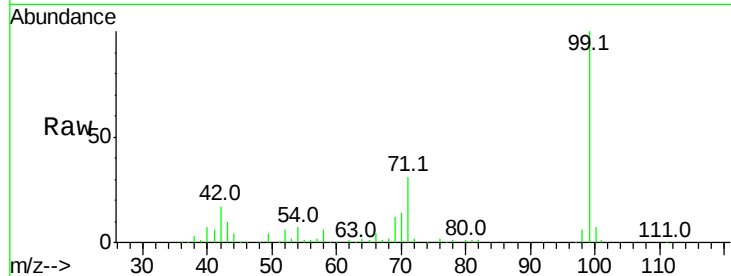
ClientSampleId :

G67-1-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 219565 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.3  | 14.5  | 21.7   |
| 71        | 31.3  | 25.4  | 38.0   |

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#21

Naphthalene-d8

Concen: 20.000 ng

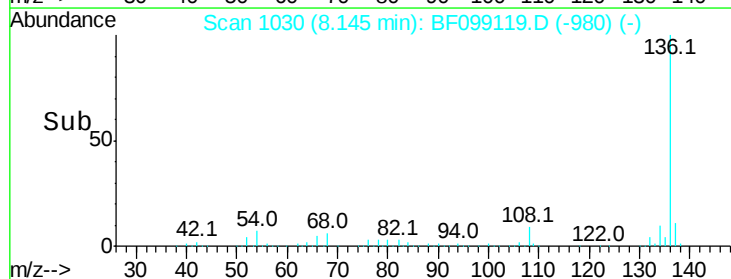
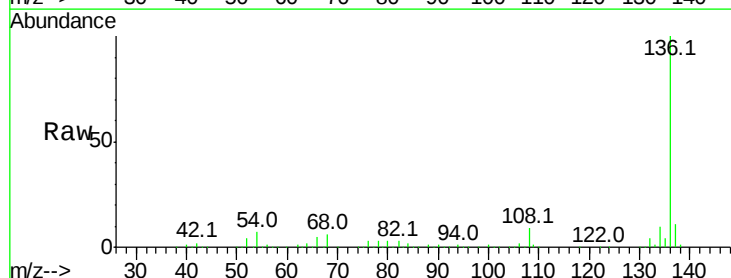
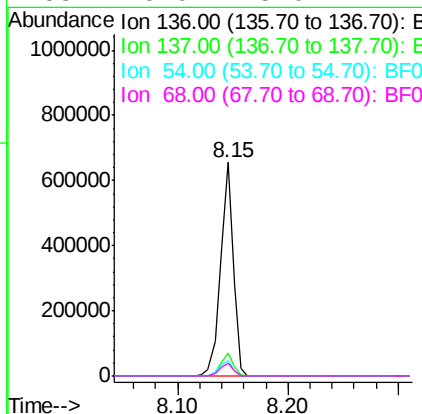
RT: 8.15 min Scan# 1030

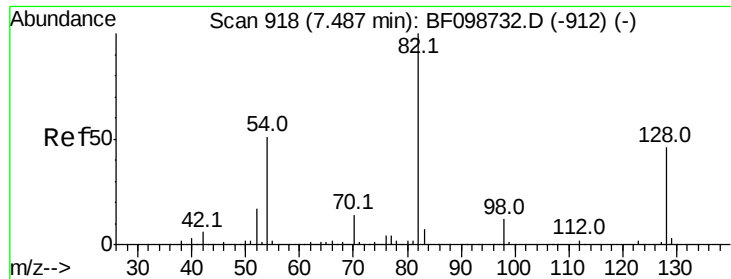
Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 528446 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.9   | 13.3   |
| 54        | 7.3   | 6.6   | 9.8    |
| 68        | 6.0   | 5.0   | 7.4    |





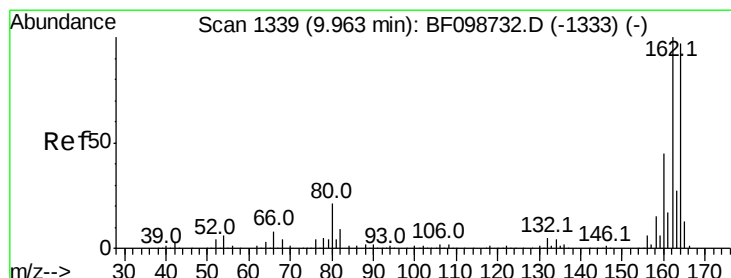
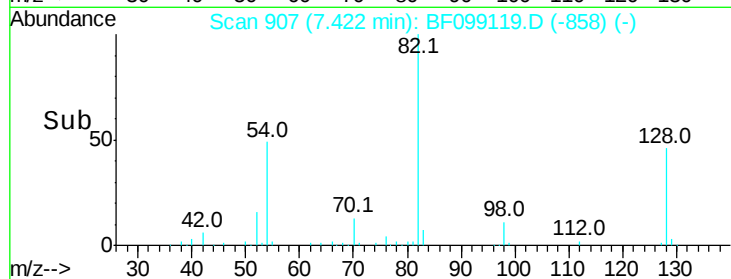
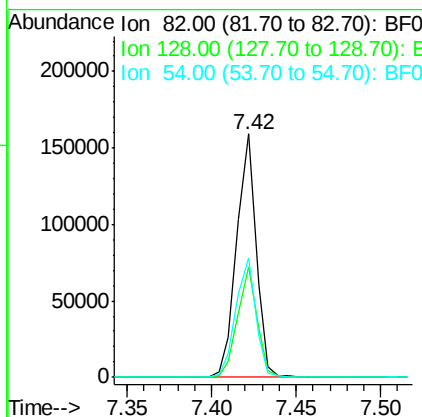
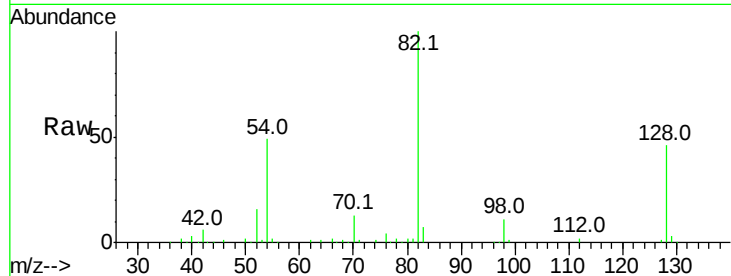
#23  
 Nitrobenzene-d5  
 Concen: 15.609 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 G67-1-2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 45.5  | 36.1 | 54.1  |       |
| 54      | 48.8  | 41.4 | 62.2  |       |

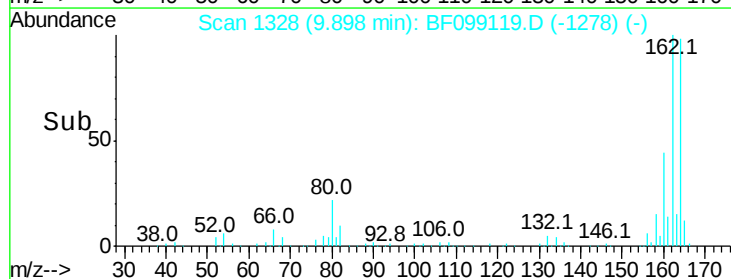
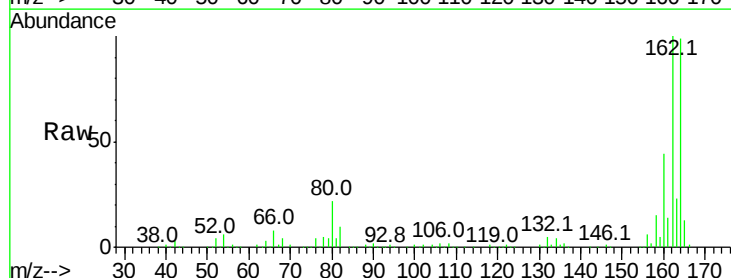
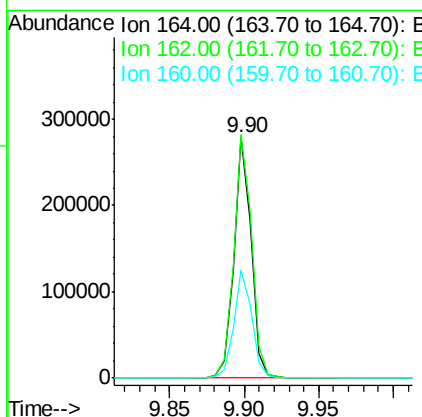
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 101.1 | 86.1 | 129.1 |       |
| 160     | 44.9  | 38.3 | 57.5  |       |





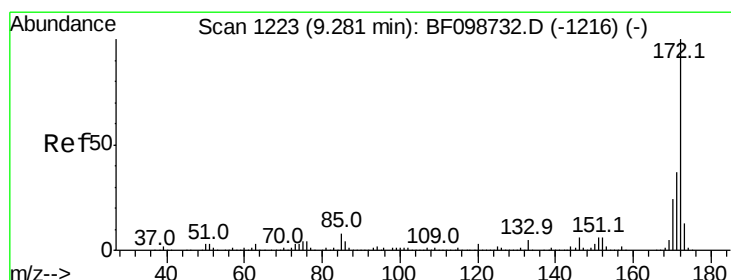
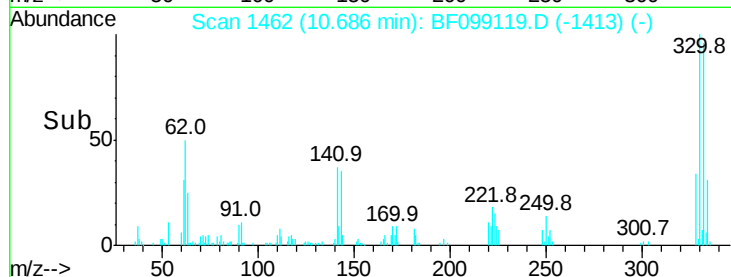
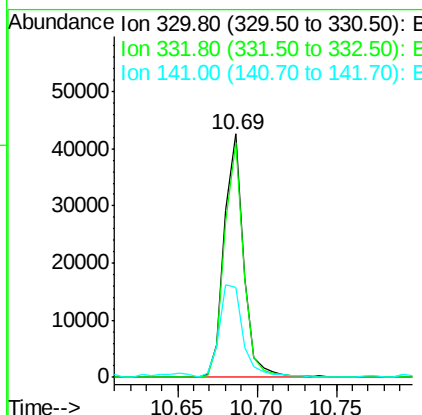
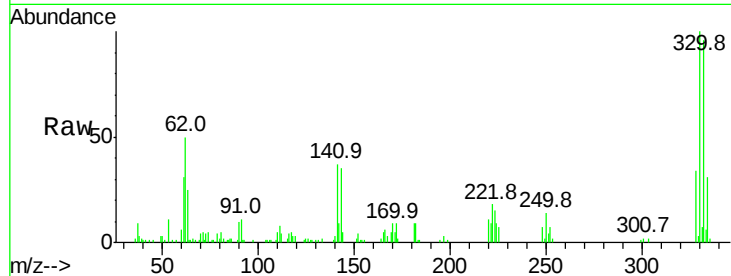
#41  
 2,4,6-Tribromophenol  
 Concen: 19.362 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 G67-1-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 46.6  | 29.9  | 44.9# |

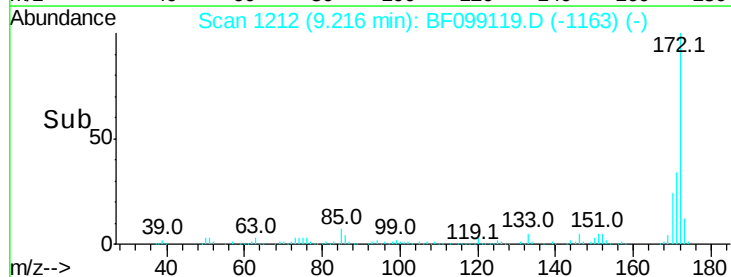
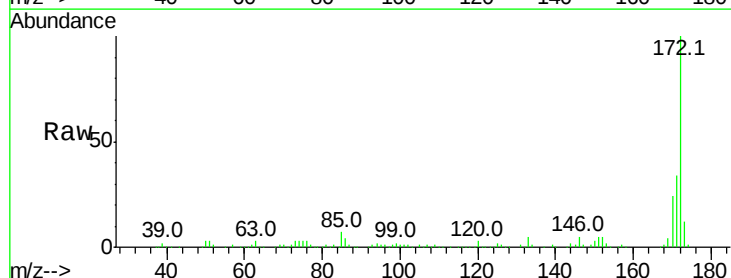
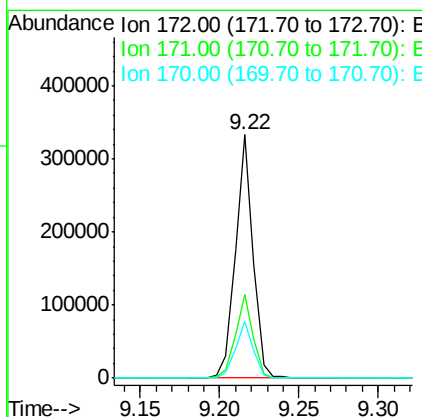
Manual Integrations  
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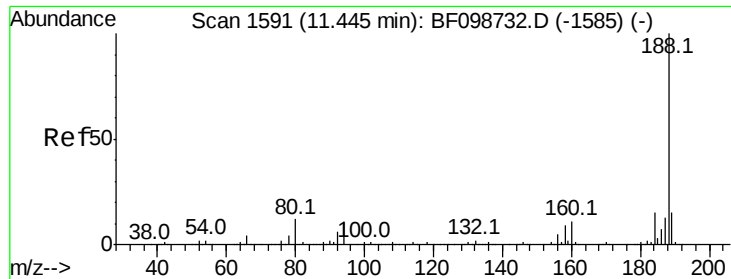
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#44  
 2-Fluorobiphenyl  
 Concen: 18.646 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.3  | 29.7  | 44.5  |
| 170     | 23.5  | 19.6  | 29.4  |





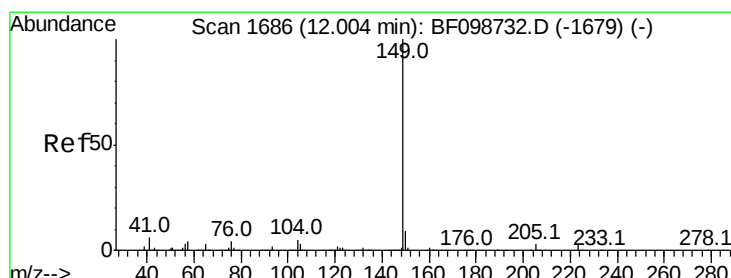
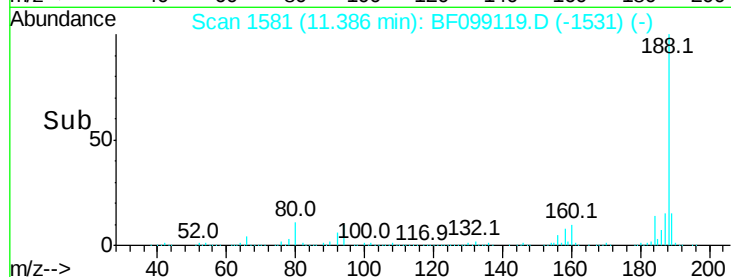
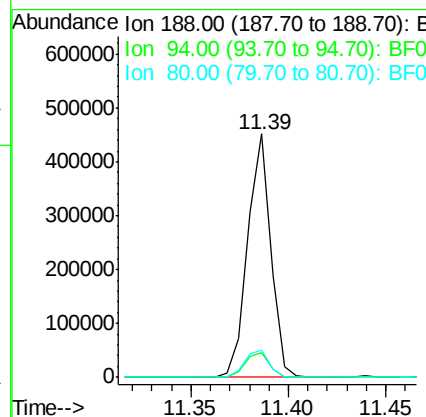
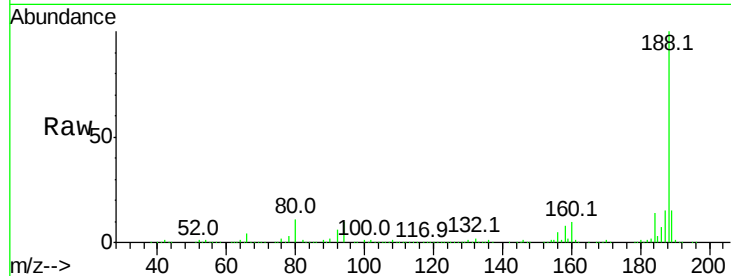
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Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

Instrument :  
BNA\_F  
ClientSampleId :  
G67-1-2

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 10.3  | 8.5        | 12.7  |
| 80      | 11.2  | 9.2        | 13.8  |

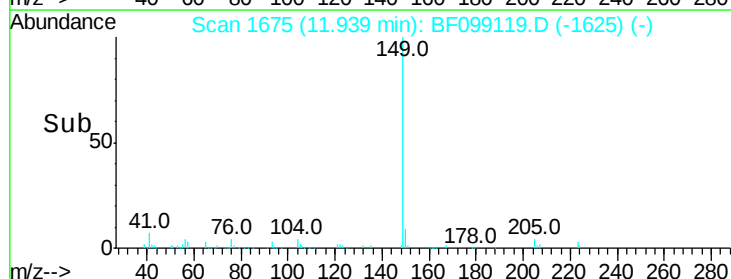
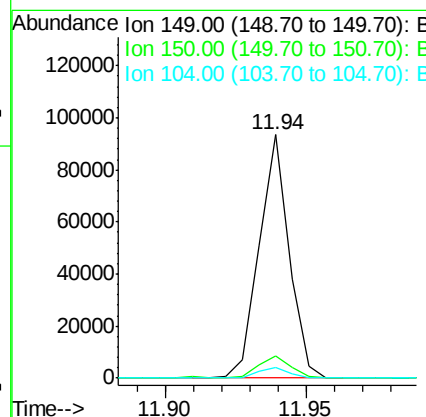
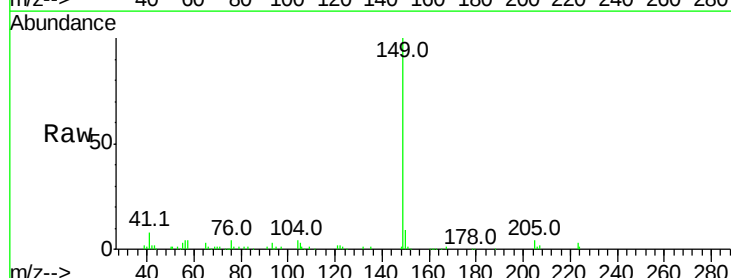
Manual Integrations  
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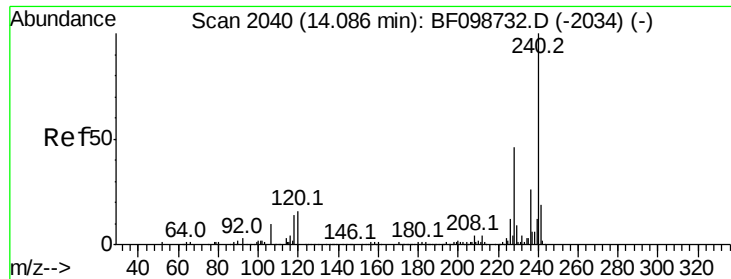
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10/6/2017 5:34:59 PM



#73  
Di-n-butylphthalate  
Concen: 2.869 ng  
RT: 11.94 min Scan# 1675  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 150     | 8.9   | 7.8        | 11.6  |
| 104     | 4.3   | 3.8        | 5.8   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

Instrument :

BNA\_F

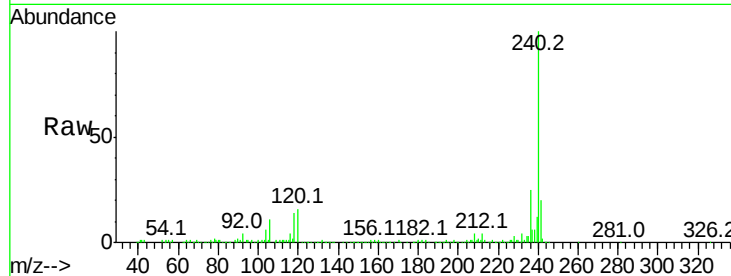
ClientSampleId :

G67-1-2

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 15.8  | 9.5        | 14.3# |
| 236     | 25.2  | 20.7       | 31.1  |

Manual Integrations  
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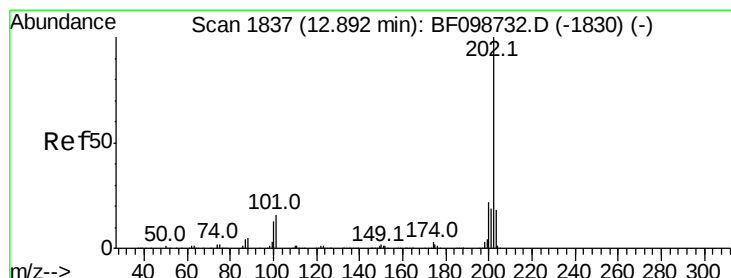
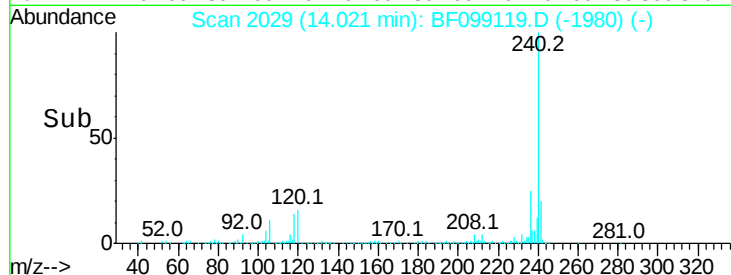
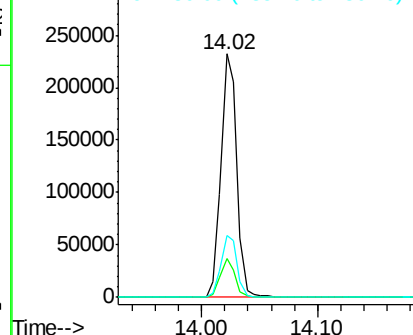


Abundance

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: 2.168 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099119.D

Acq: 5 Oct 2017 22:38

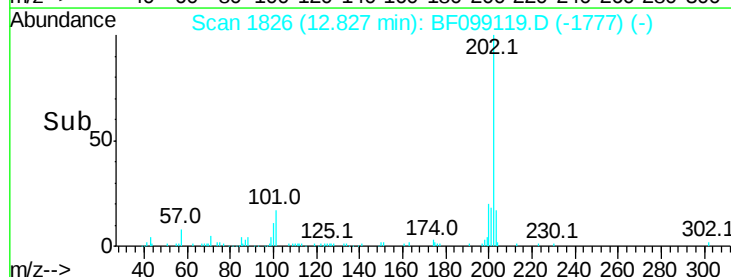
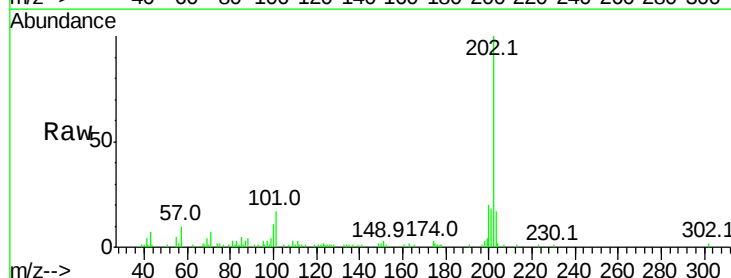
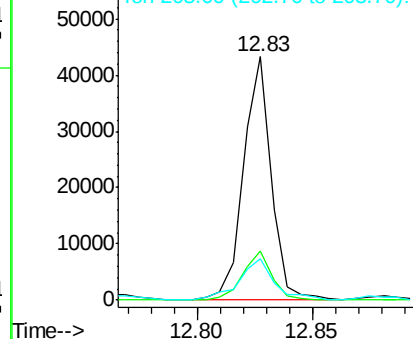
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 19.9  | 17.4       | 26.2  |
| 203     | 17.2  | 14.3       | 21.5  |

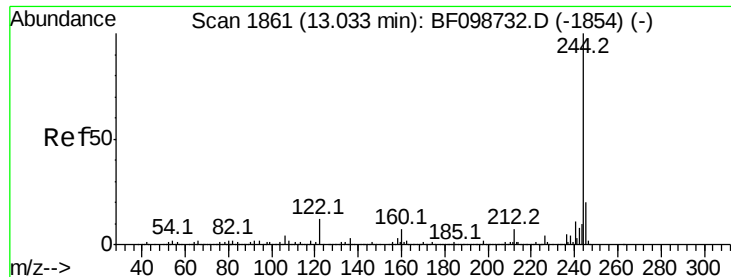
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





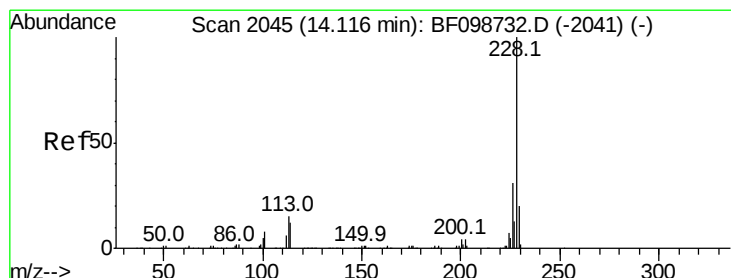
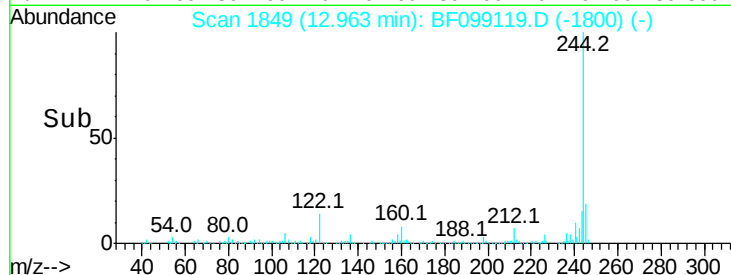
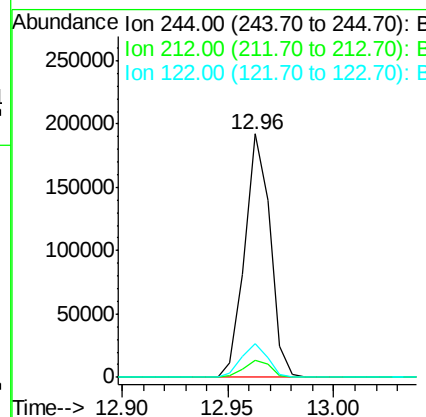
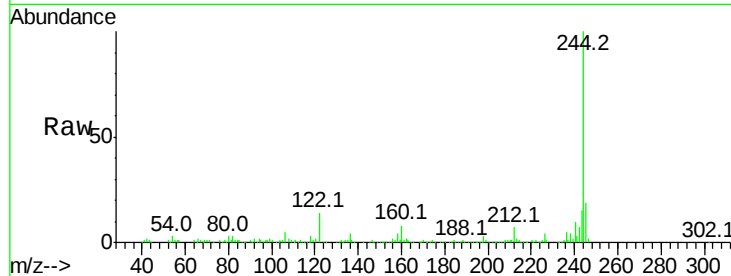
#78  
 Terphenyl-d14  
 Concen: 16.485 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 G67-1-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.4   | 8.0   |
| 122     | 14.1  | 11.0  | 16.4  |

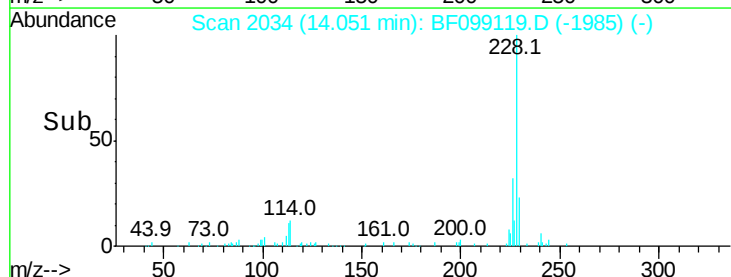
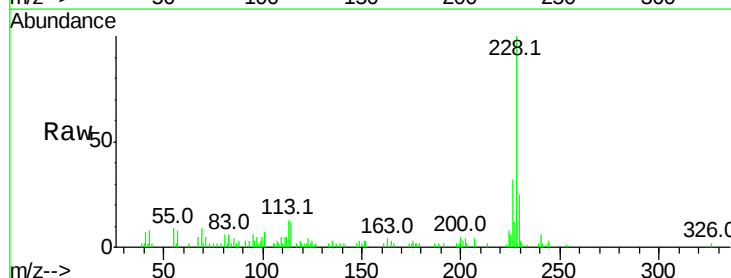
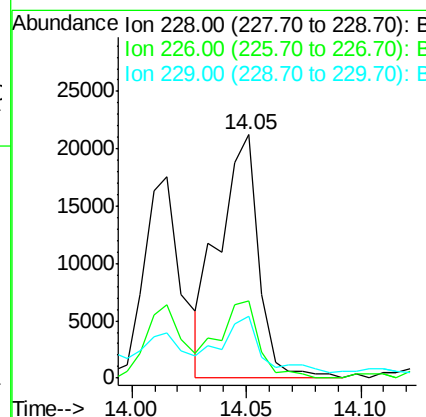
Manual Integrations  
 APPROVED

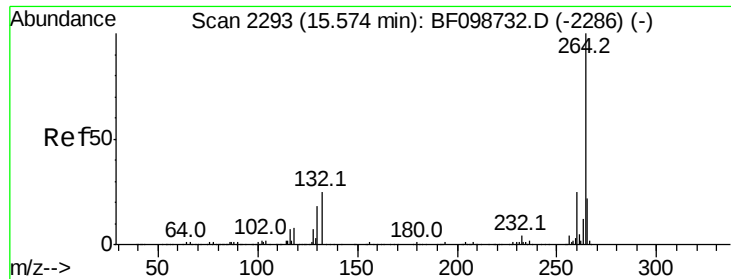
Sohil  
 10/6/2017 5:34:59 PM



#82  
 Chrysene  
 Concen: 2.039 ng m  
 RT: 14.05 min Scan# 2034  
 Delta R.T. -0.01 min  
 Lab File: BF099119.D  
 Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.8  | 25.0  | 37.6  |
| 229     | 25.3  | 16.2  | 24.4  |





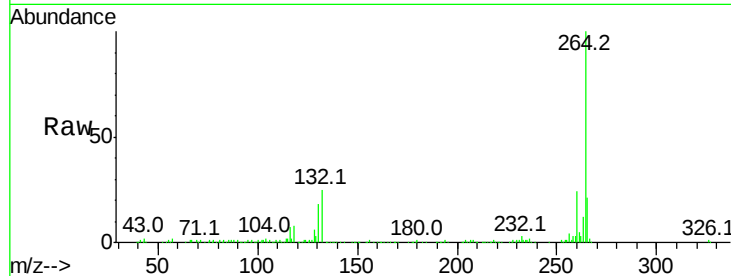
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

Instrument :  
BNA\_F  
ClientSampled :  
G67-1-2

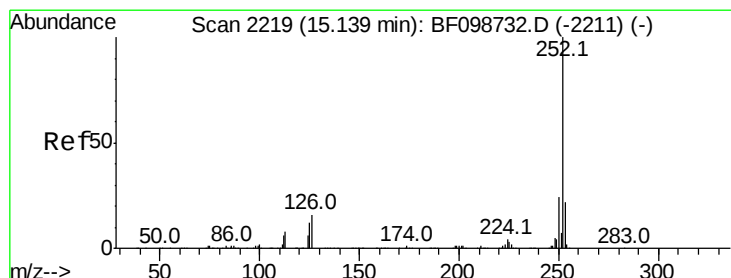
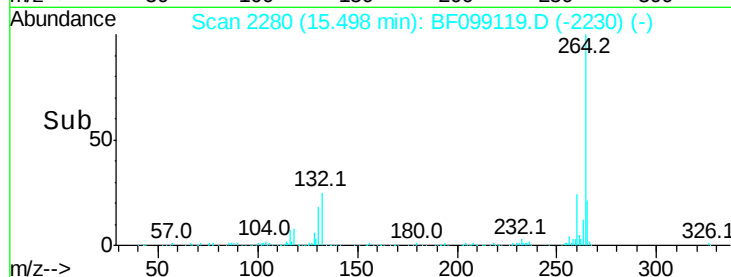
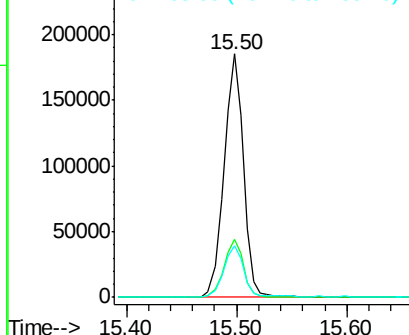
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 21.1  | 17.5  | 26.3  |

Manual Integrations  
APPROVED

Sohil  
10/6/2017 5:34:59 PM

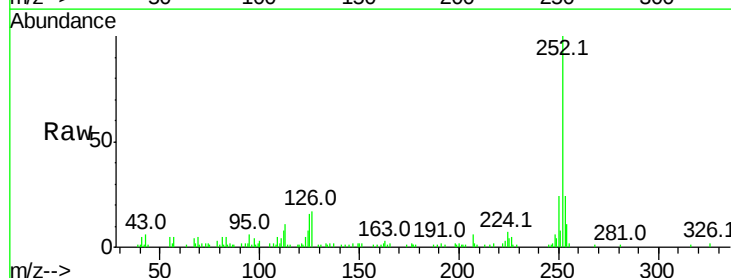


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#87  
Benzo(b)fluoranthene  
Concen: 3.092 ng m  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF099119.D  
Acq: 5 Oct 2017 22:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.0  | 25.6  |
| 125     | 15.6  | 9.0   | 13.6# |



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

