

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\  
 Data File : BF097856.D  
 Acq On : 19 Aug 2017 2:15  
 Operator : SJ/JU  
 Sample : I4825-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-A-B-COMP

Manual Integrations  
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Sohil  
 8/21/2017 6:18:45 AM

Quant Time: Aug 19 03:18:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 116293   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.06  | 136  | 462672   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 202155   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.29 | 188  | 390194   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.92 | 240  | 296857   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.35 | 264  | 276921   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 754424   | 98.68  | ng    | -0.01    |
| 7) Phenol-d6                | 6.40  | 99   | 1073571  | 103.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 679626   | 79.80  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 195936   | 111.71 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1010092  | 73.41  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.88 | 244  | 784473   | 55.11  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.52  | 163  | 154266   | 10.440 | ng    | 98       |
| 74) Fluoranthene            | 12.50 | 202  | 46601    | 2.147  | ng    | 98       |

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

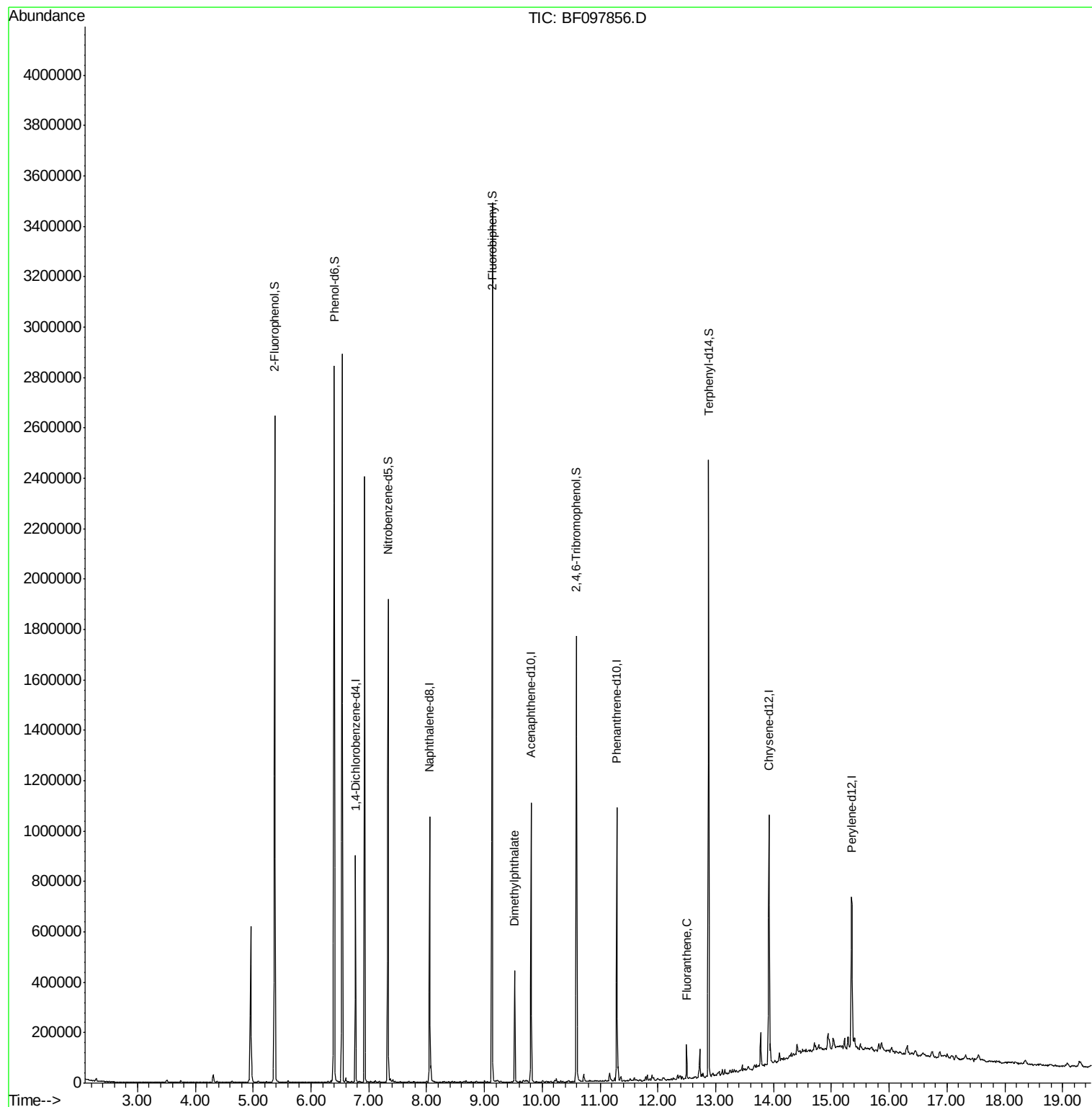
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\  
Data File : BF097856.D  
Acq On : 19 Aug 2017 2:15  
Operator : SJ/JU  
Sample : I4825-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

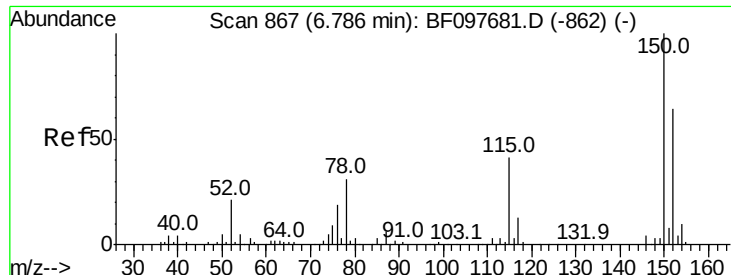
Instrument :  
BNA\_F  
ClientSampleId :  
TP-A-B-COMP

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8/21/2017 6:18:45 AM

Quant Time: Aug 19 03:18:24 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 15 13:25:08 2017  
Response via : Initial Calibration





#1

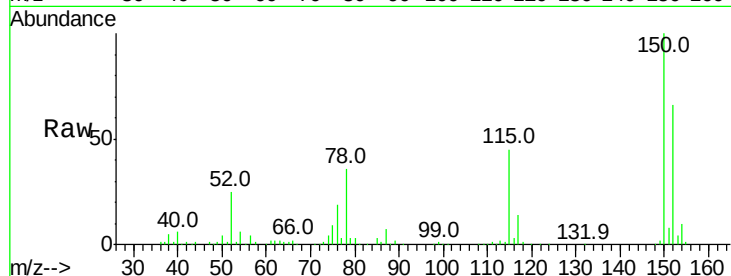
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.02 min  
Lab File: BF097856.D  
Acq: 19 Aug 2017 2:15

Instrument :  
BNA\_F  
ClientSampleId :  
TP-A-B-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.6 | 126.2 | 189.2 |
| 115     | 67.7  | 52.2  | 78.2  |

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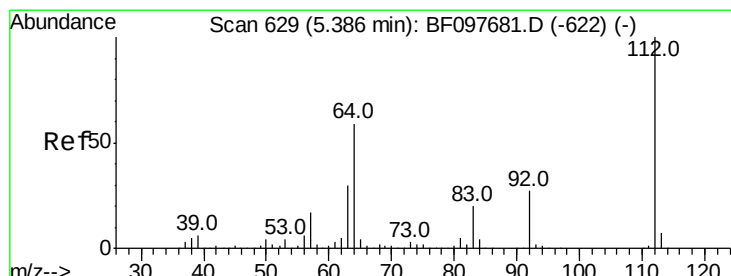
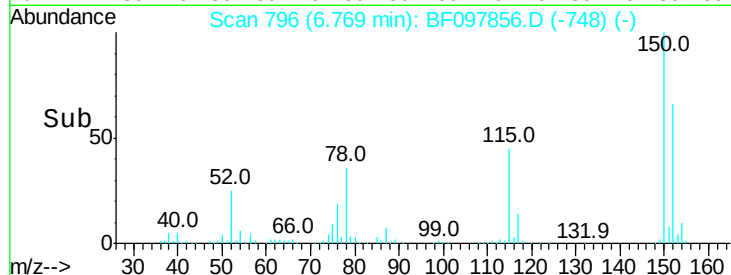
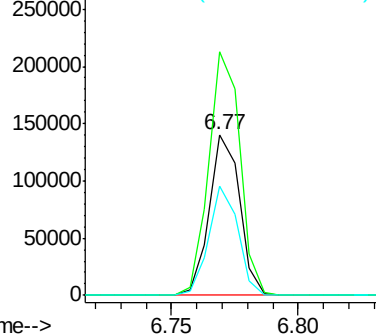


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

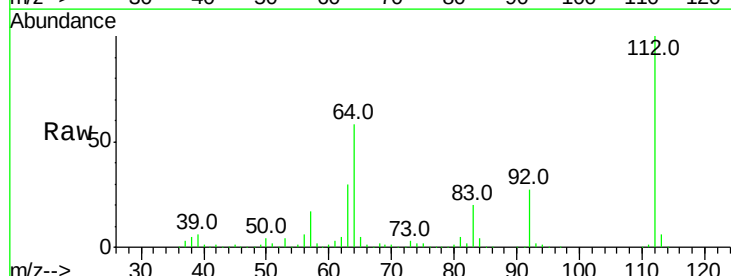
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 98.676 ng  
RT: 5.37 min Scan# 559  
Delta R.T. -0.01 min  
Lab File: BF097856.D  
Acq: 19 Aug 2017 2:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 46.0  | 69.0  |
| 63      | 30.3  | 23.4  | 35.0  |

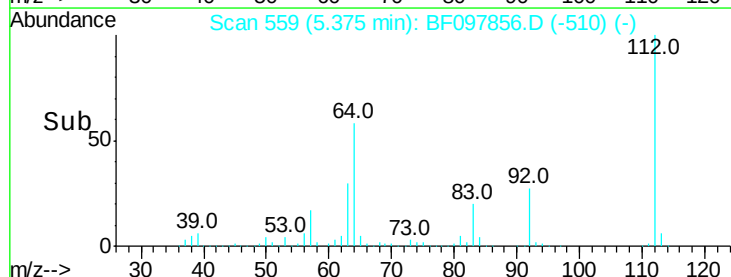
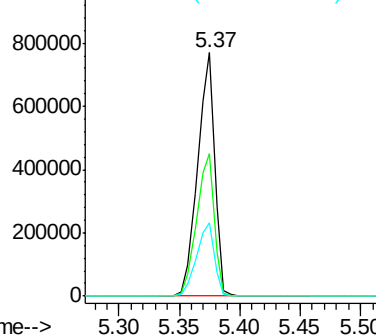


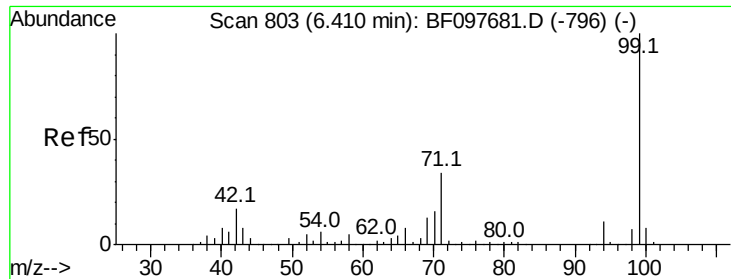
Abundance

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: 103.347 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA\_F

ClientSampled :

TP-A-B-COMP

Tot Ion: 99 Resp: 1073571

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

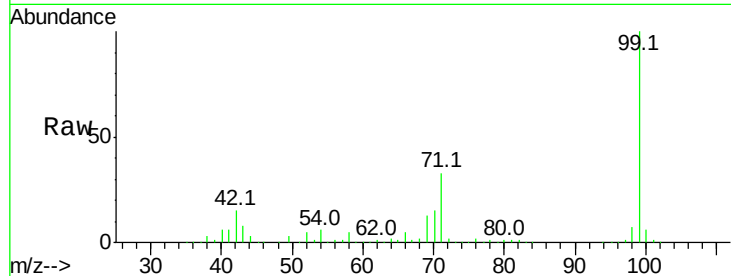
71 32.6 24.5 36.7

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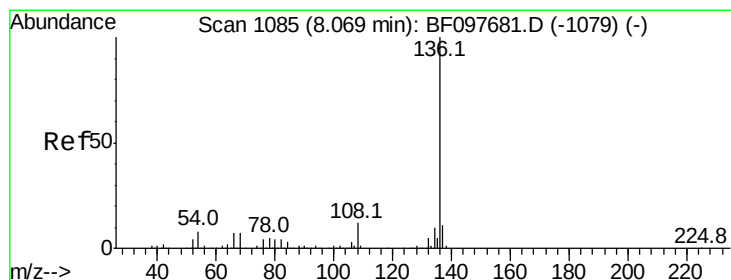
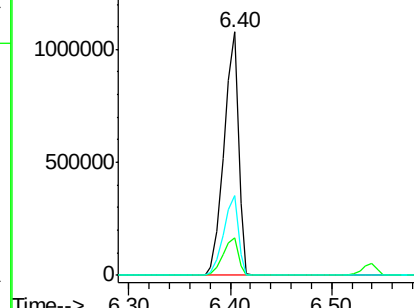
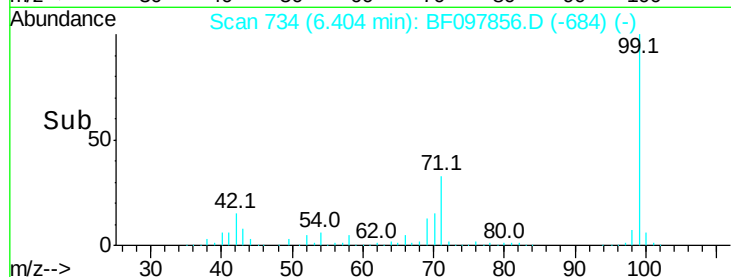
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Tgt Ion: 136 Resp: 462672

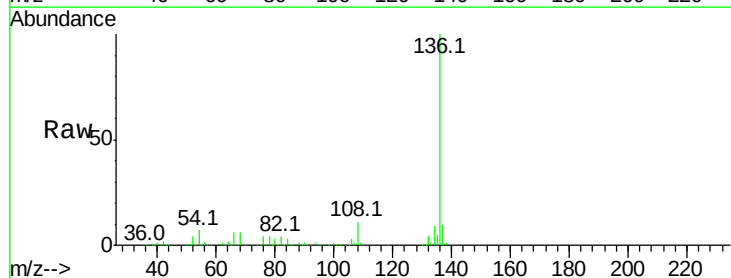
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.8 4.9 7.3

68 6.3 4.1 6.1#

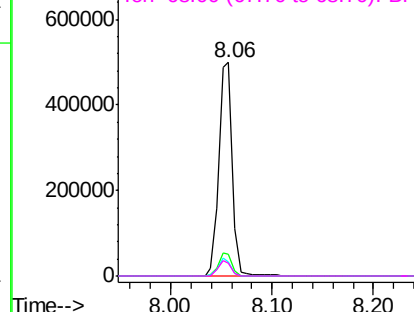
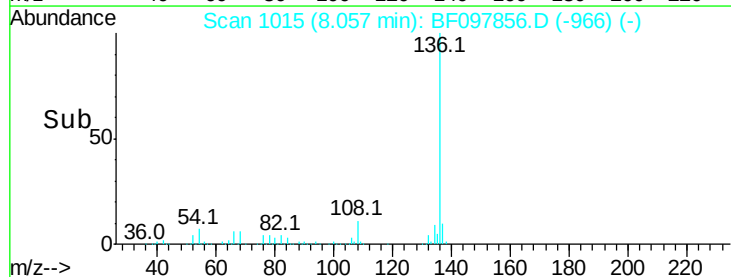


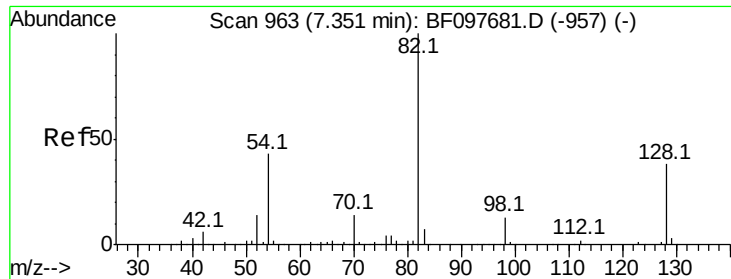
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





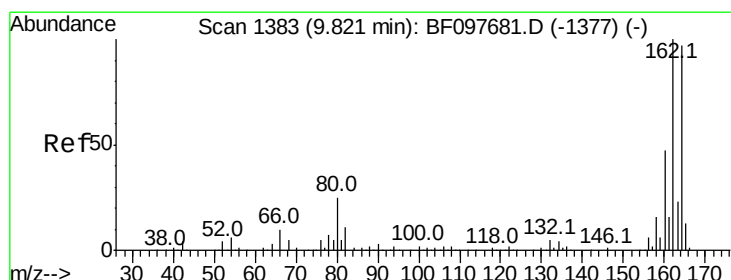
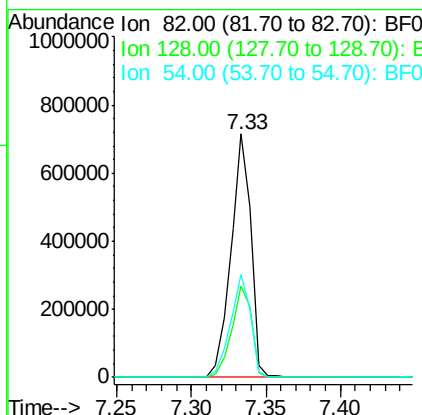
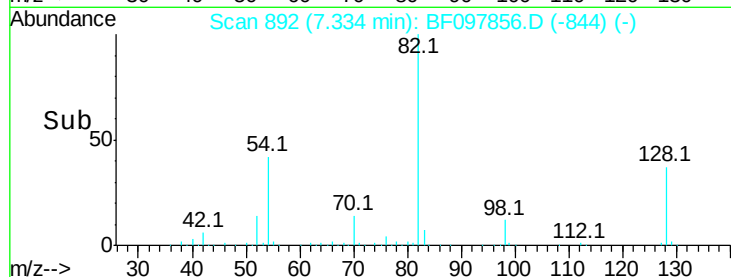
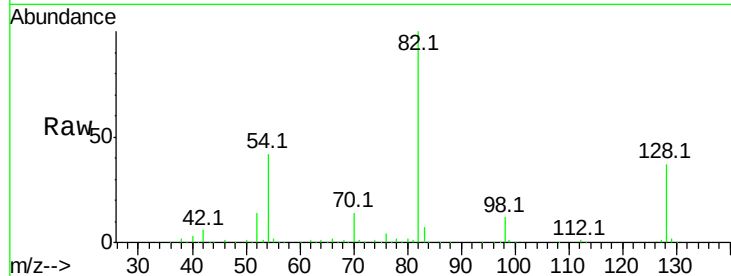
#23  
Nitrobenzene-d5  
Concen: 79.798 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.02 min  
Lab File: BF097856.D  
Acq: 19 Aug 2017 2:15

Instrument :  
BNA\_F  
ClientSampleId :  
TP-A-B-COMP

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 37.4  | 34.0 | 51.0  |       |
| 54      | 42.4  | 42.2 | 63.2  |       |

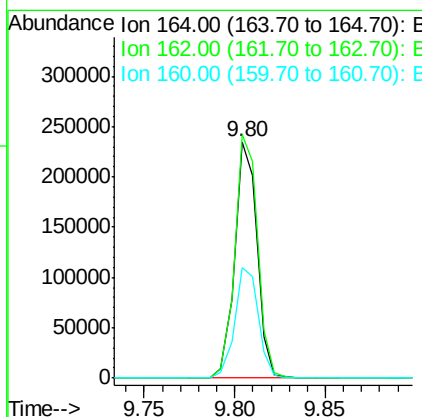
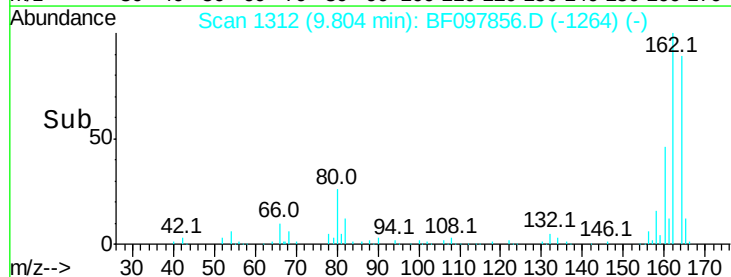
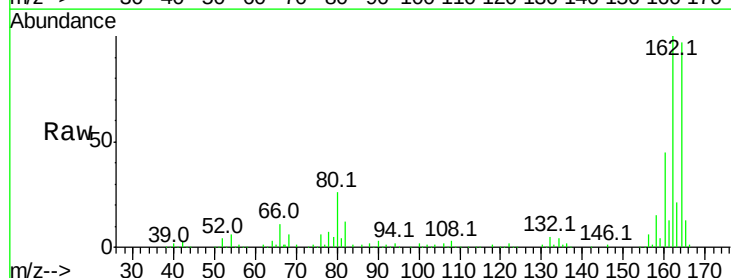
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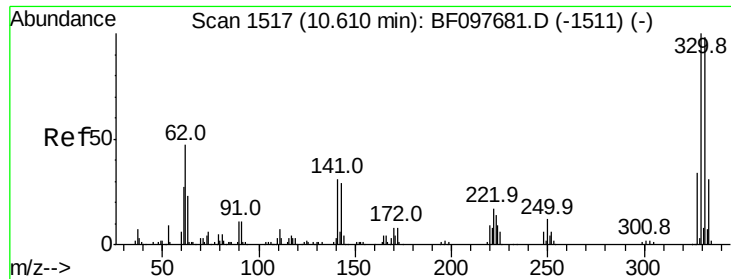
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.02 min  
Lab File: BF097856.D  
Acq: 19 Aug 2017 2:15

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 103.0 | 82.6 | 123.8 |       |
| 160     | 46.8  | 36.2 | 54.2  |       |





#41

2,4,6-Tribromophenol

Concen: 111.707 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BF097856.D

Acq: 19 Aug 2017 2:15

Instrument :

BNA\_F

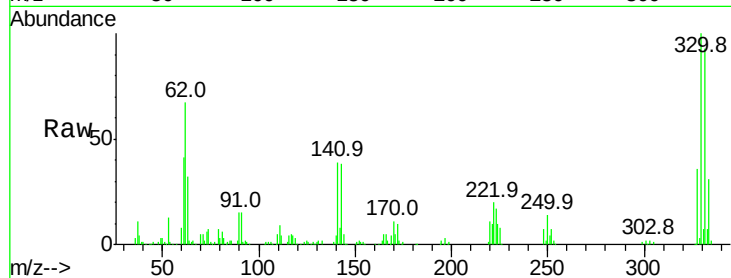
ClientSampled :

TP-A-B-COMP

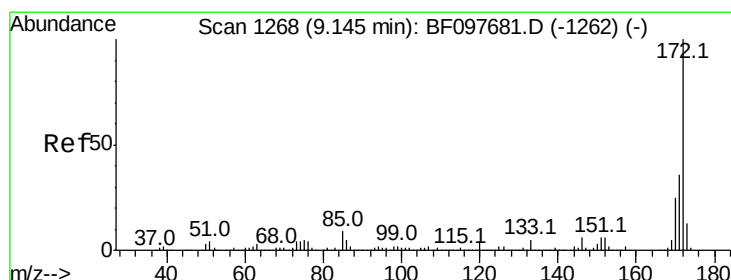
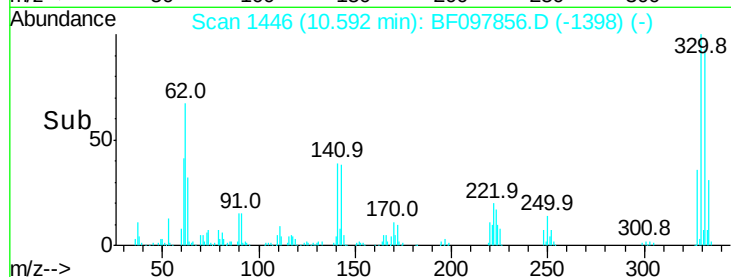
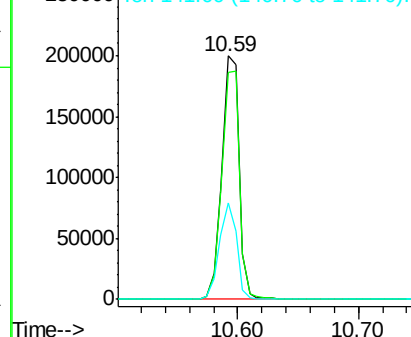
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 195936 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.8  | 76.6  | 115.0  |
| 141       | 39.7  | 31.4  | 47.2   |

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Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 73.411 ng

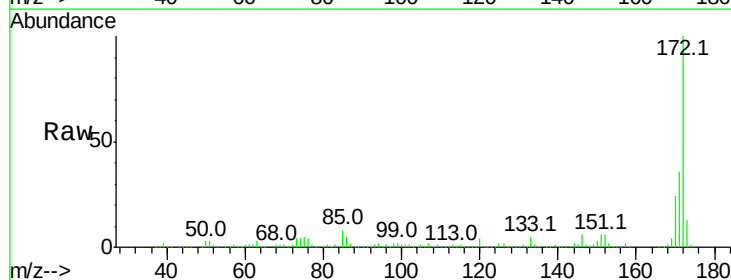
RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

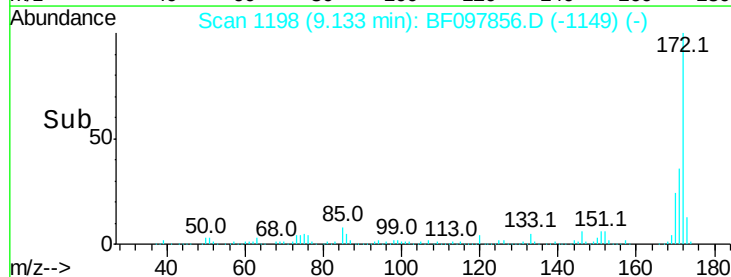
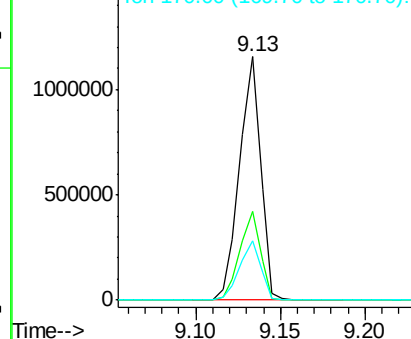
Lab File: BF097856.D

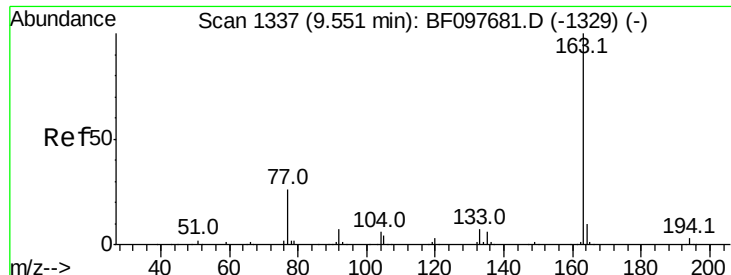
Acq: 19 Aug 2017 2:15

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1010092 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.3  | 29.6  | 44.4    |
| 170       | 24.5  | 19.8  | 29.8    |



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





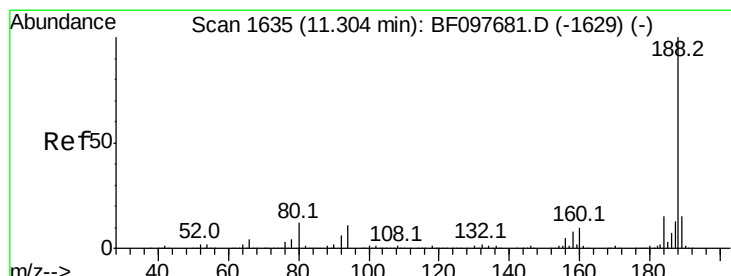
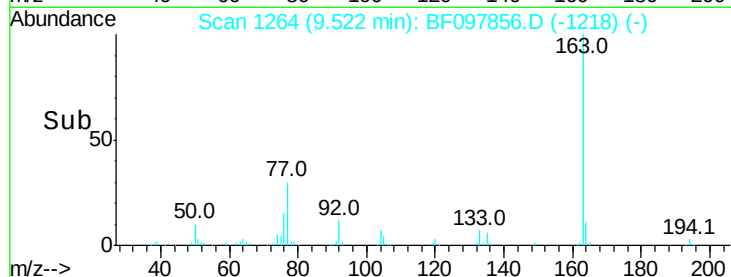
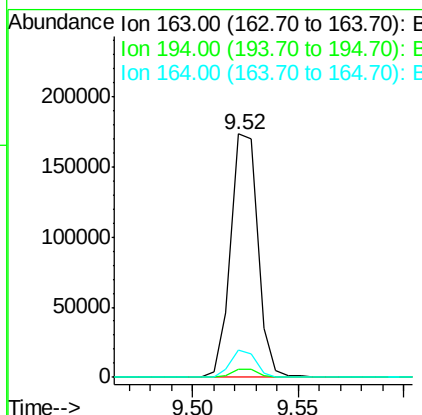
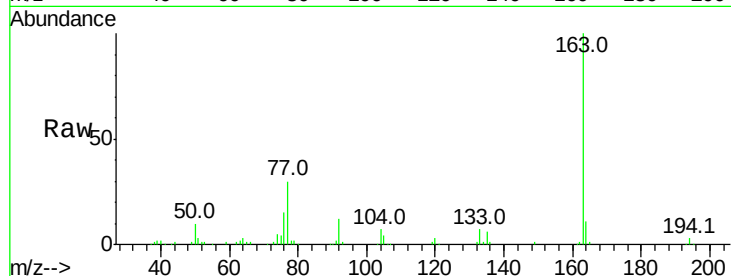
#49  
 Dimethylphthalate  
 Concen: 10.440 ng  
 RT: 9.52 min Scan# 1264  
 Delta R.T. -0.03 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-A-B-COMP

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 154266 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.4   | 2.6   | 4.0    |
| 164       | 11.4  | 8.4   | 12.6   |

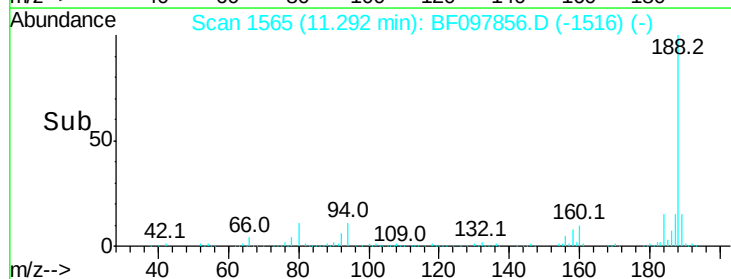
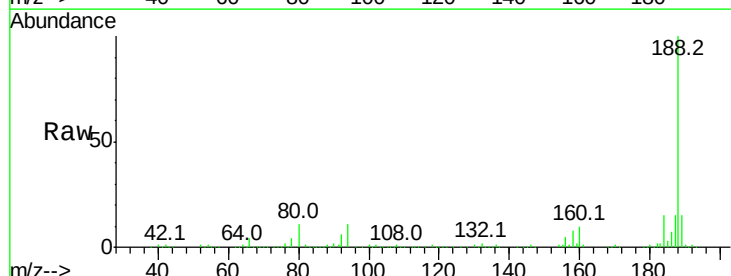
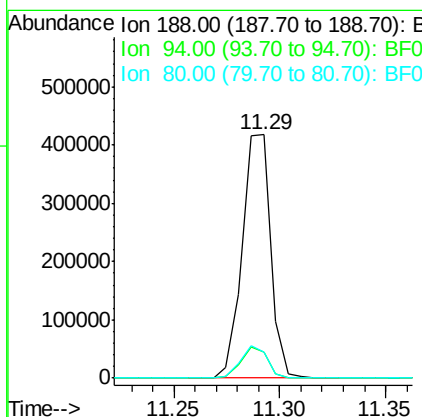
Manual Integrations  
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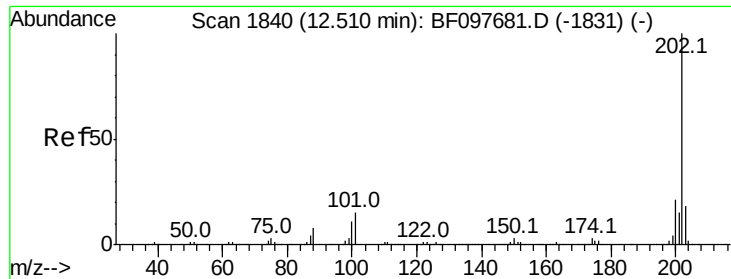
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#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 390194 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.6  | 9.4   | 14.2   |
| 80        | 10.9  | 10.2  | 15.2   |





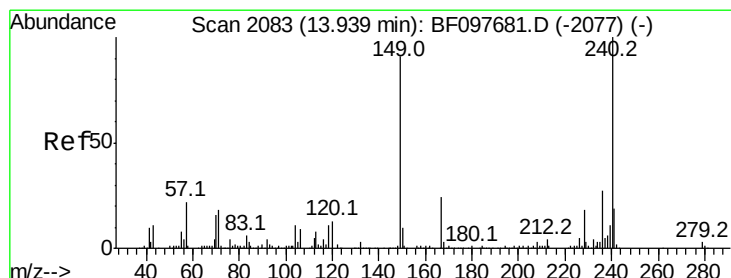
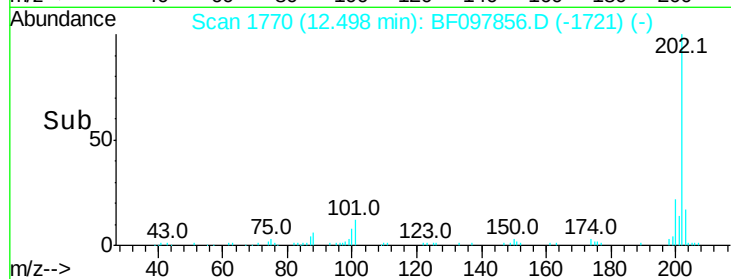
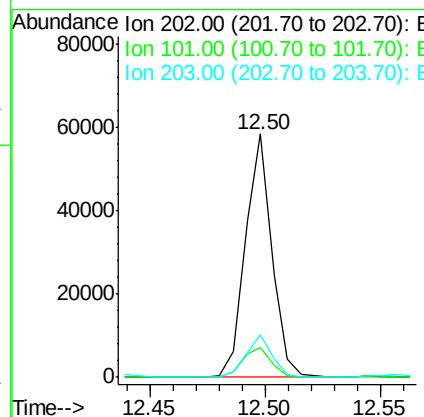
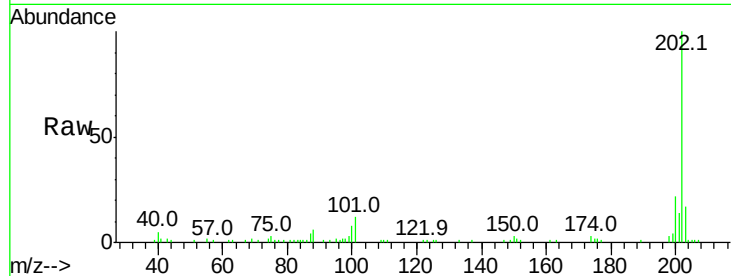
#74  
 Fluoranthene  
 Concen: 2.147 ng  
 RT: 12.50 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-A-B-COMP

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.1  | 0.0        | 33.2  |
| 203     | 17.3  | 0.0        | 38.1  |

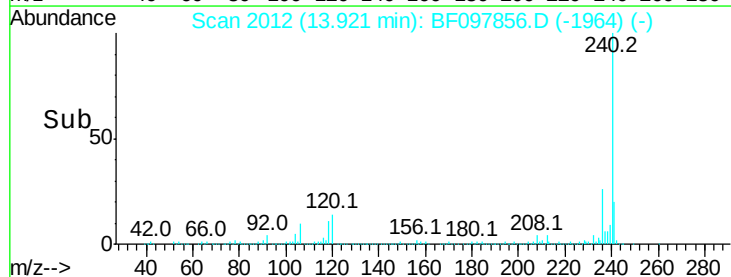
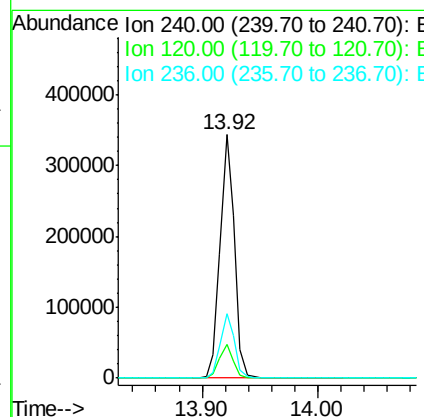
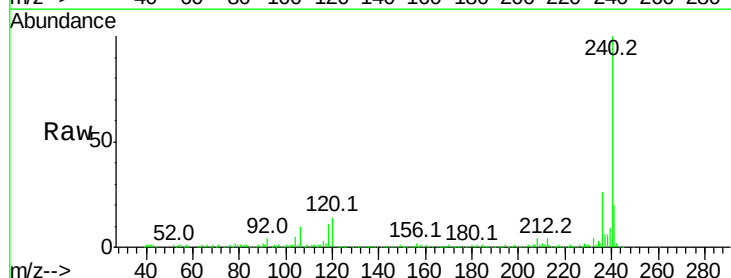
Manual Integrations  
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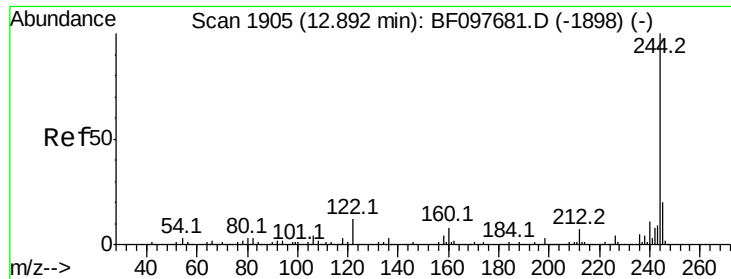


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.92 min Scan# 2012  
 Delta R.T. -0.02 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 13.7  | 5.8        | 8.8#  |
| 236     | 26.3  | 20.5       | 30.7  |







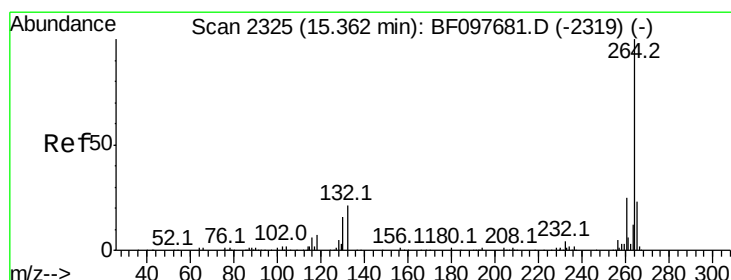
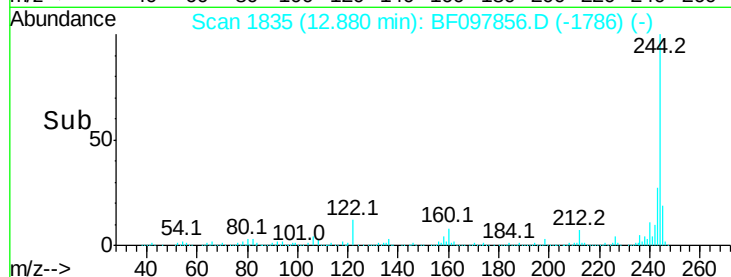
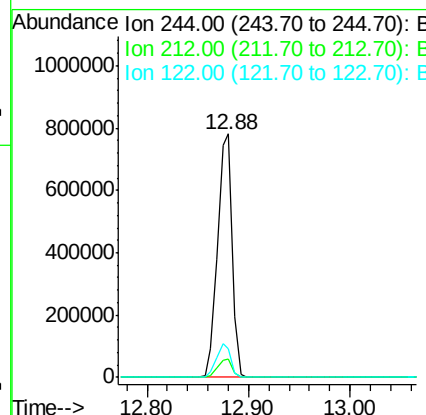
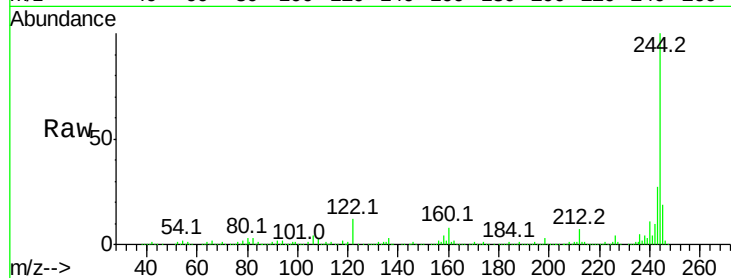
#78  
 Terphenyl-d14  
 Concen: 55.107 ng  
 RT: 12.88 min Scan# 1835  
 Delta R.T. -0.01 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-A-B-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 6.0   | 9.0   |
| 122     | 11.9  | 10.3  | 15.5  |

Manual Integrations  
 APPROVED

Sohil  
 8/21/2017 6:18:45 AM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.35 min Scan# 2255  
 Delta R.T. -0.01 min  
 Lab File: BF097856.D  
 Acq: 19 Aug 2017 2:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 19.5  | 29.3  |
| 265     | 21.8  | 17.2  | 25.8  |

