

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\  
 Data File : BF097376.D  
 Acq On : 5 Aug 2017 00:48  
 Operator : SJ/JU  
 Sample : I4582-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2

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Quant Time: Aug 05 01:53:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 01:17:22 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.44  | 152  | 102107   | 20.00 | ng    | -0.06    |
| 21) Naphthalene-d8          | 7.72  | 136  | 437584   | 20.00 | ng    | -0.06    |
| 38) Acenaphthene-d10        | 9.46  | 164  | 166628   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10        | 10.93 | 188  | 239171   | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12            | 13.55 | 240  | 194972   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12            | 14.89 | 264  | 174259   | 20.00 | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.04  | 112  | 356038   | 52.56 | ng    | -0.06    |
| 7) Phenol-d6                | 6.11  | 99   | 447218   | 57.84 | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 7.00  | 82   | 262749   | 35.23 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 10.25 | 330  | 62266    | 47.30 | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 8.80  | 172  | 453979   | 46.24 | ng    | -0.07    |
| 78) Terphenyl-d14           | 12.51 | 244  | 265330   | 27.75 | ng    | -0.08    |
| Target Compounds            |       |      |          |       |       |          |
| 49) Dimethylphthalate       | 9.20  | 163  | 91934    | 7.266 | ng    | 97       |
| 74) Fluoranthene            | 12.14 | 202  | 34452    | 2.744 | ng    | 96       |
| 77) Pyrene                  | 12.36 | 202  | 32370    | 2.028 | ng    | 96       |

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

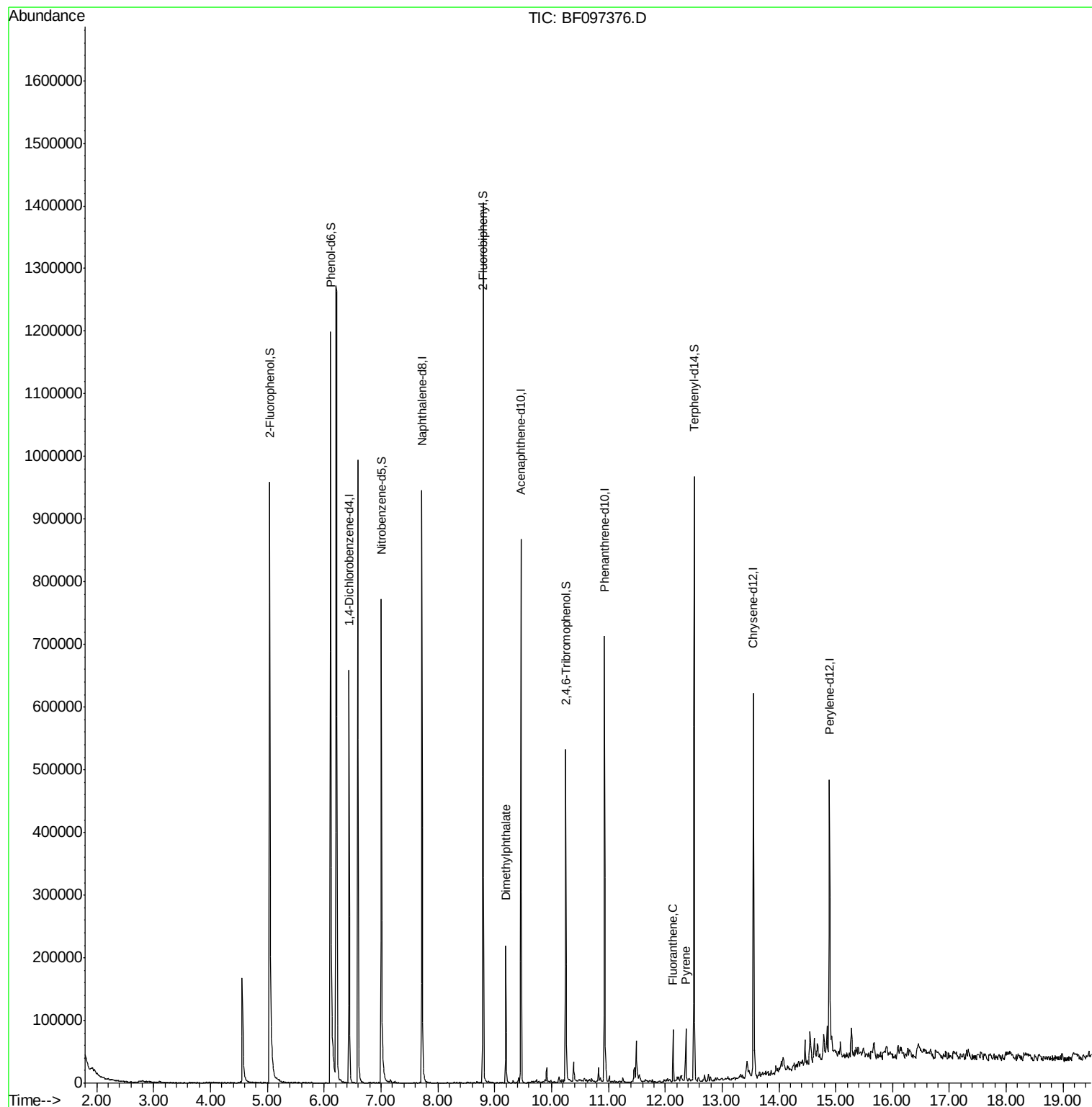
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\  
Data File : BF097376.D  
Acq On : 5 Aug 2017 00:48  
Operator : SJ/JU  
Sample : I4582-02  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

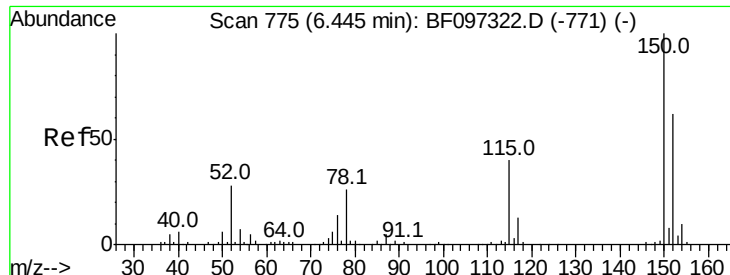
Instrument :  
BNA\_F  
ClientSampleId :  
S2

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Quant Time: Aug 05 01:53:48 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 04 01:17:22 2017  
Response via : Initial Calibration





#1

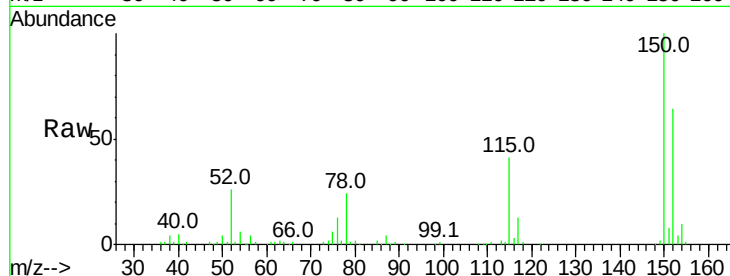
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.44 min Scan# 791  
Delta R.T. -0.06 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

Instrument :  
BNA\_F  
ClientSampled :  
S2

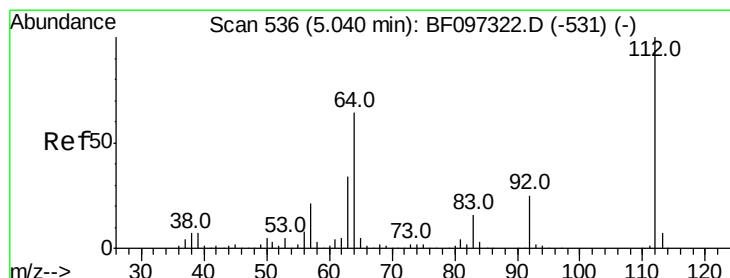
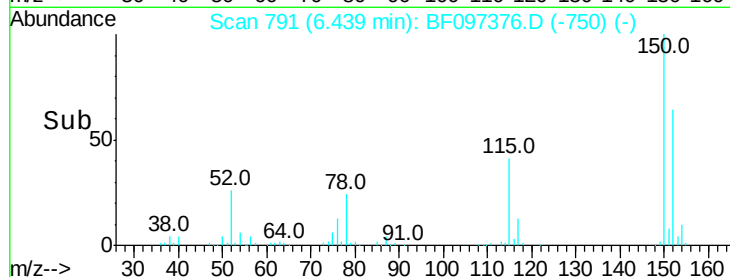
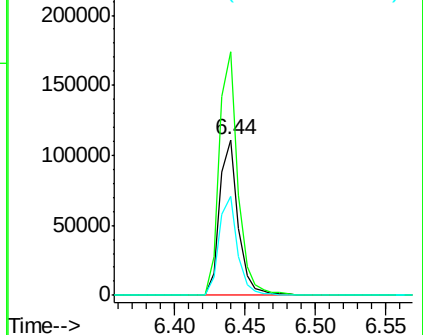
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 126.2 | 189.2 |
| 115     | 63.6  | 52.2  | 78.2  |

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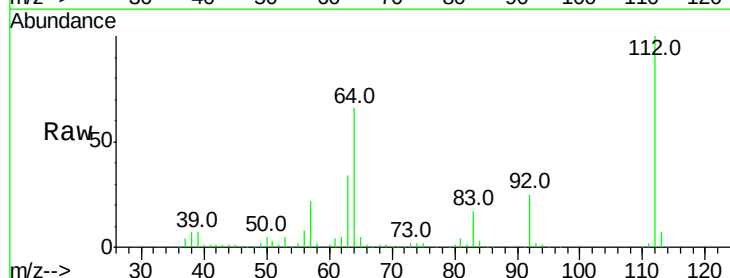
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



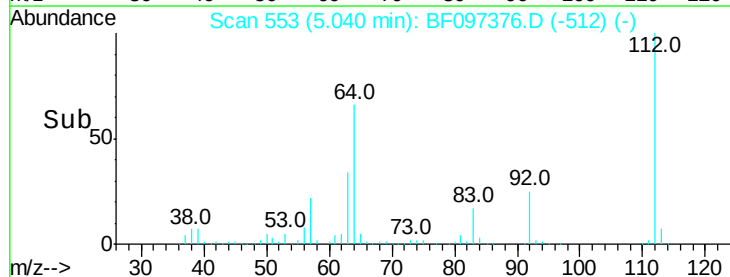
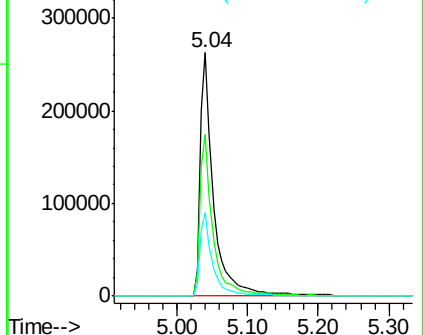
#5

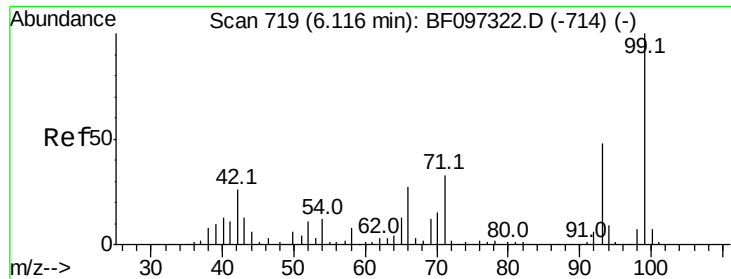
2-Fluorophenol  
Concen: 52.565 ng  
RT: 5.04 min Scan# 553  
Delta R.T. -0.06 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.2  | 46.0  | 69.0  |
| 63      | 34.2  | 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: 57.836 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA\_F

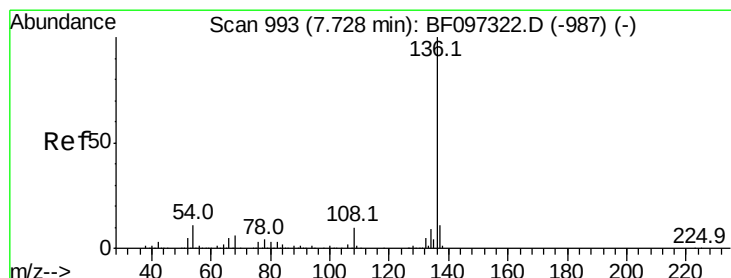
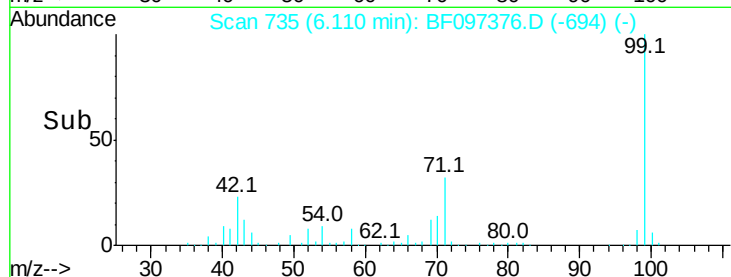
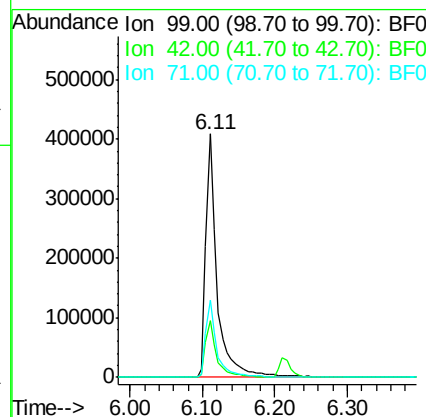
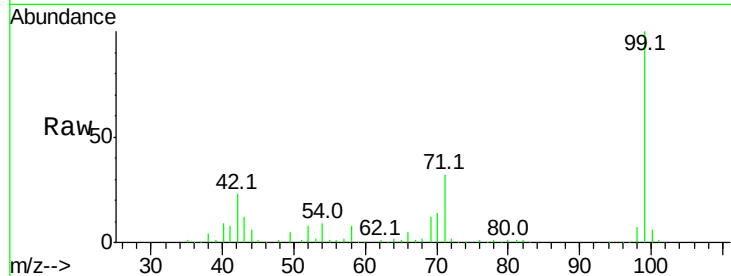
ClientSampled :

S2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 447218 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 23.3  | 13.5  | 20.3#  |
| 71        | 32.0  | 24.5  | 36.7   |

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#21

Naphthalene-d8

Concen: 20.000 ng

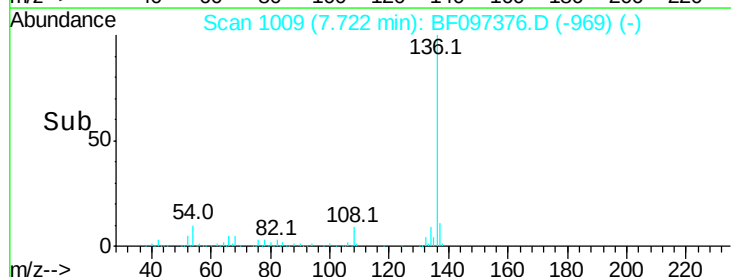
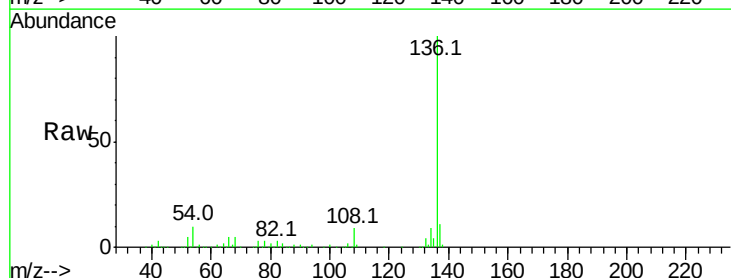
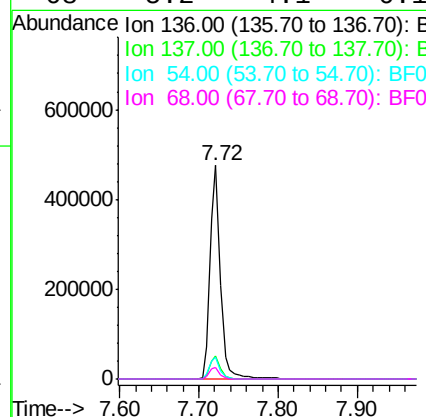
RT: 7.72 min Scan# 1009

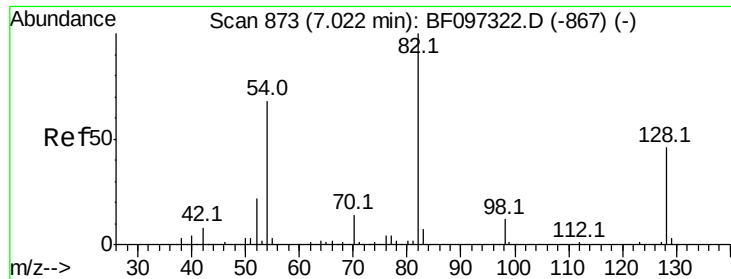
Delta R.T. -0.06 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 437584 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.5   | 12.7   |
| 54        | 10.1  | 4.9   | 7.3#   |
| 68        | 5.2   | 4.1   | 6.1    |





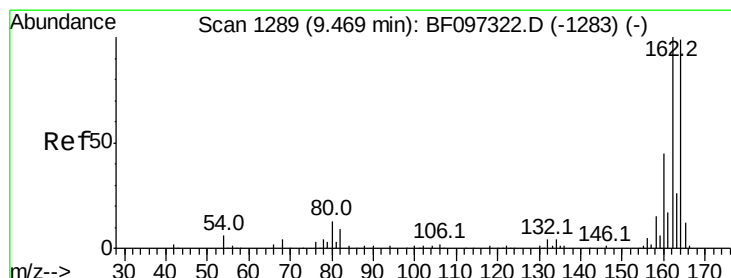
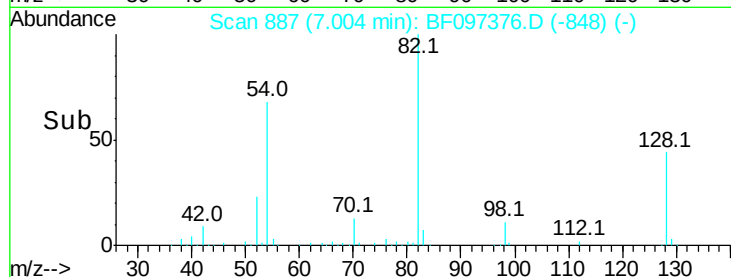
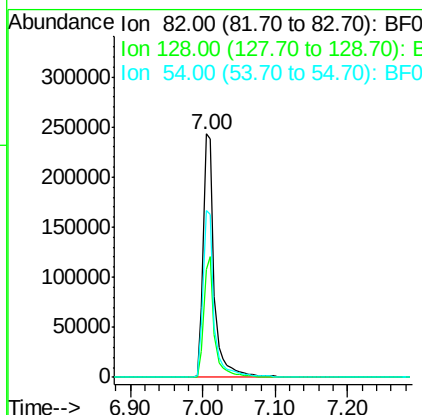
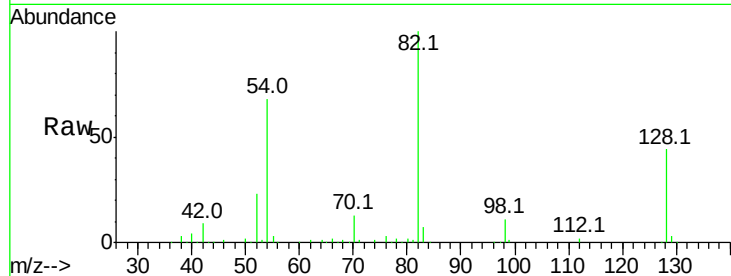
#23  
Nitrobenzene-d5  
Concen: 35.225 ng  
RT: 7.00 min Scan# 887  
Delta R.T. -0.07 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

Instrument :  
BNA\_F  
ClientSampled :  
S2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.1  | 34.0  | 51.0  |
| 54      | 68.3  | 42.2  | 63.2  |

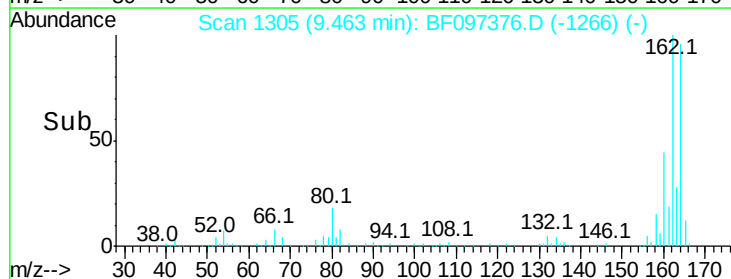
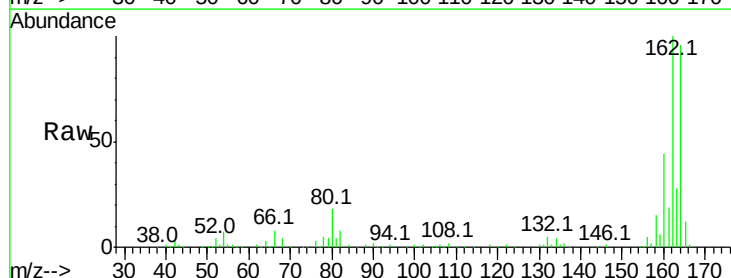
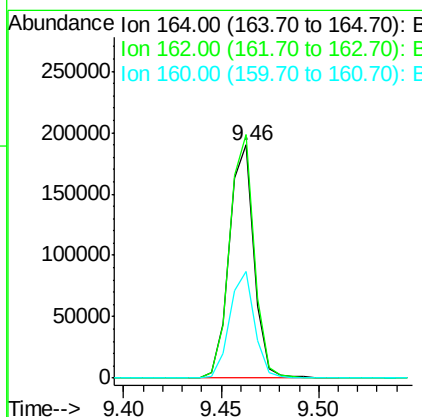
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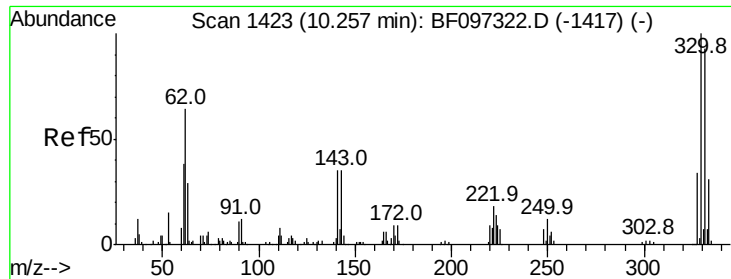
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.46 min Scan# 1305  
Delta R.T. -0.07 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 82.6  | 123.8 |
| 160     | 46.0  | 36.2  | 54.2  |





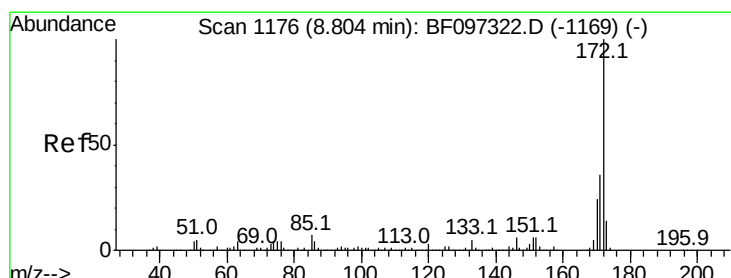
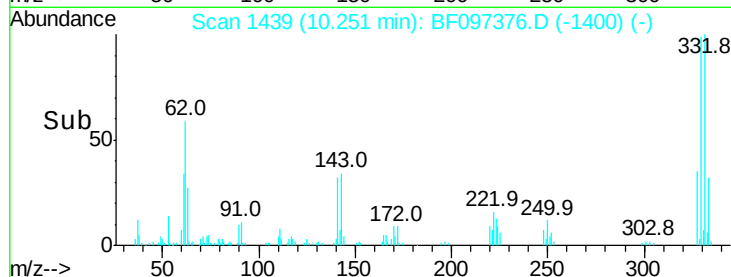
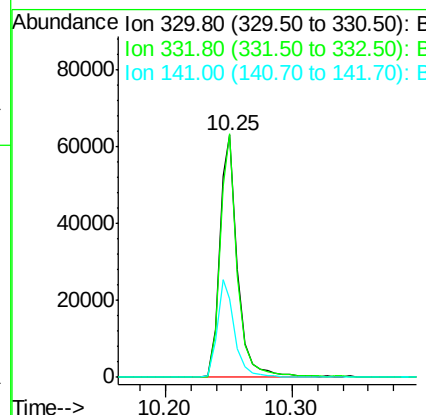
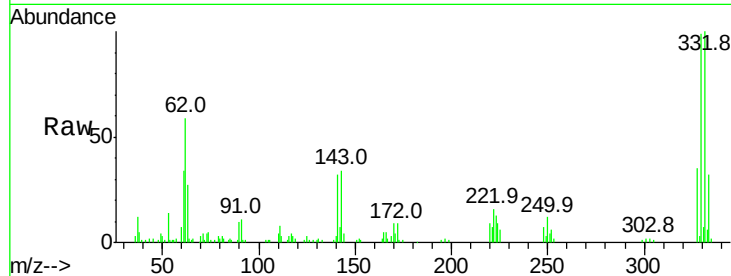
#41  
 2,4,6-Tribromophenol  
 Concen: 47.296 ng  
 RT: 10.25 min Scan# 1439  
 Delta R.T. -0.07 min  
 Lab File: BF097376.D  
 Acq: 5 Aug 2017 00:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 62266 |       |       |
| 332     | 96.9  | 76.6  | 115.0 |       |
| 141     | 39.4  | 31.4  | 47.2  |       |

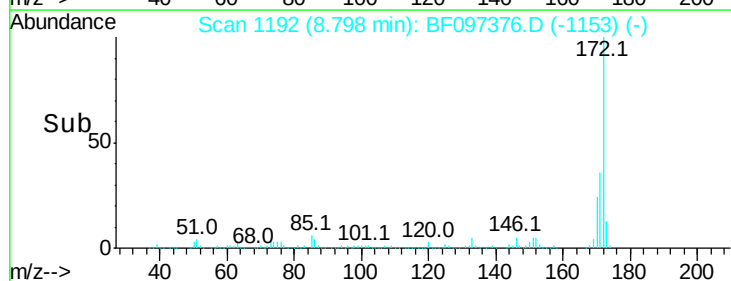
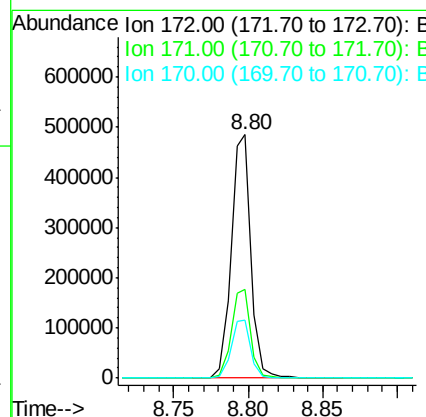
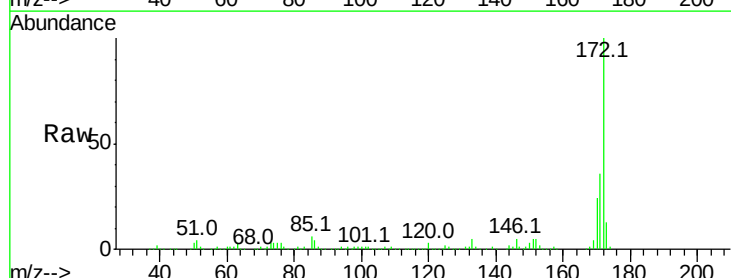
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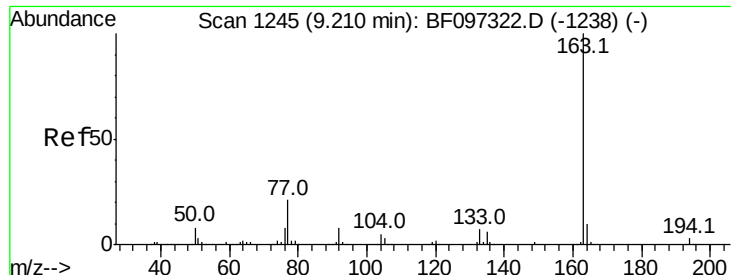
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#44  
 2-Fluorobiphenyl  
 Concen: 46.237 ng  
 RT: 8.80 min Scan# 1192  
 Delta R.T. -0.07 min  
 Lab File: BF097376.D  
 Acq: 5 Aug 2017 00:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 453979 |       |       |
| 171     | 36.3  | 29.6   | 44.4  |       |
| 170     | 23.8  | 19.8   | 29.8  |       |





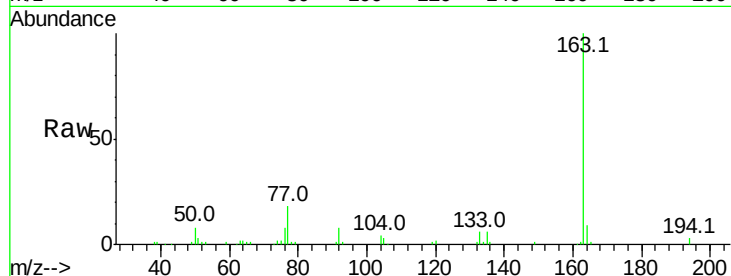
#49  
Dimethylphthalate  
Concen: 7.266 ng  
RT: 9.20 min Scan# 1260  
Delta R.T. -0.08 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

Instrument :  
BNA\_F  
ClientSampled :  
S2

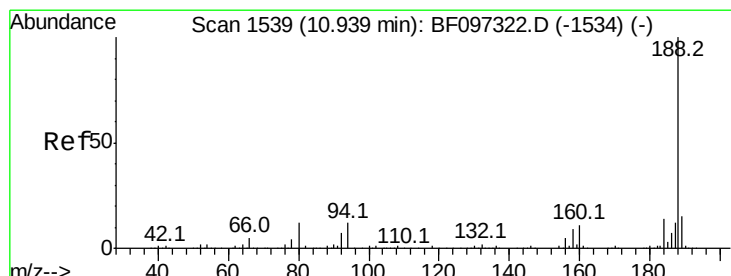
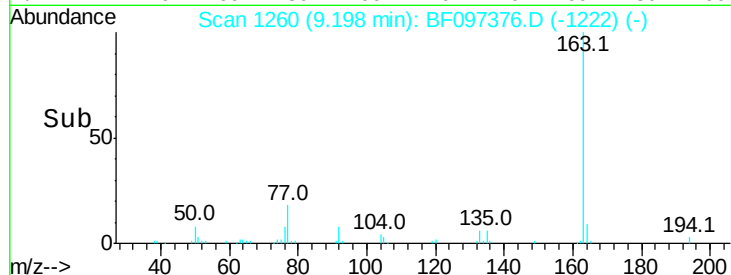
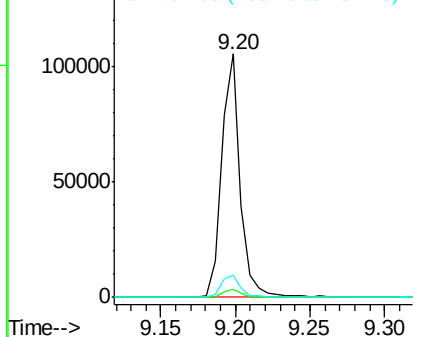
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 91934 |       |       |
| 194     | 3.4   |       | 2.6   | 4.0   |
| 164     | 9.2   |       | 8.4   | 12.6  |

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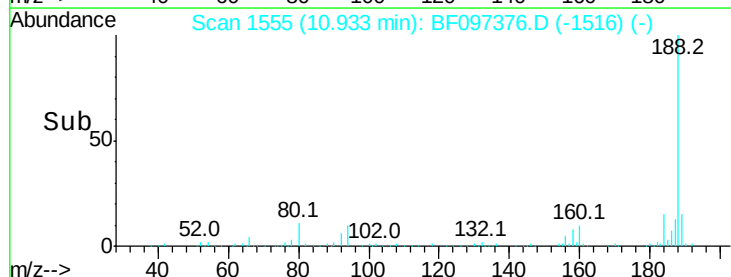
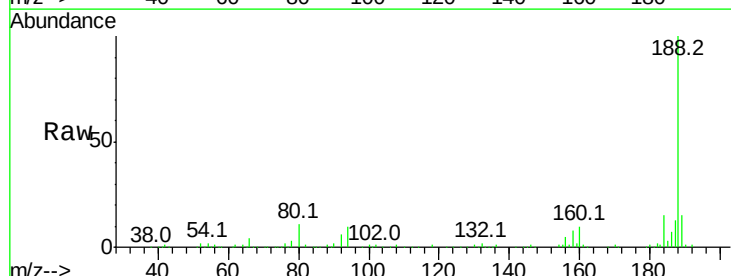
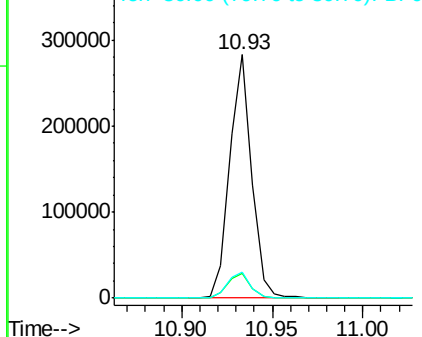
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

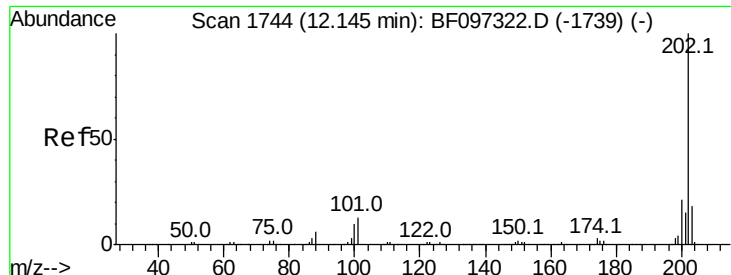


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1555  
Delta R.T. -0.07 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 239171 |       |       |
| 94      | 10.4  |        | 9.4   | 14.2  |
| 80      | 10.9  |        | 10.2  | 15.2  |

Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0





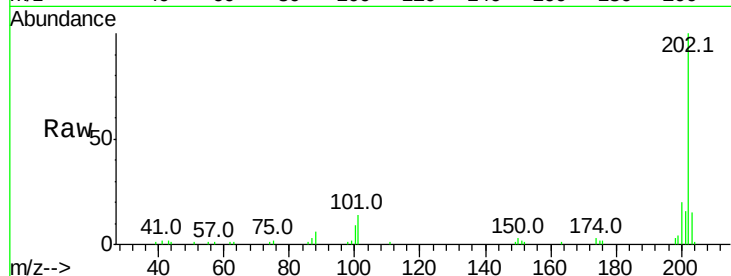
#74  
 Fluoranthene  
 Concen: 2.744 ng  
 RT: 12.14 min Scan# 1760  
 Delta R.T. -0.07 min  
 Lab File: BF097376.D  
 Acq: 5 Aug 2017 00:48

Instrument :  
 BNA\_F  
 ClientSampled :  
 S2

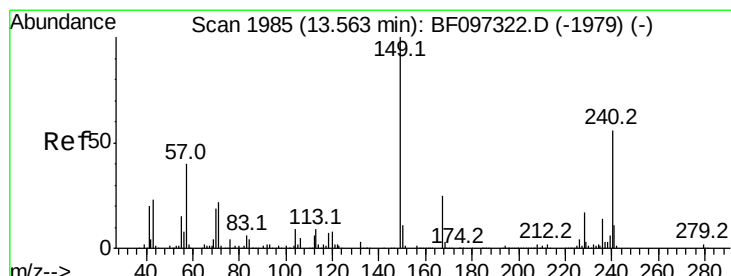
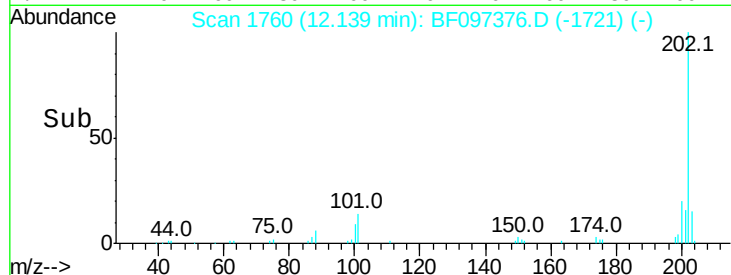
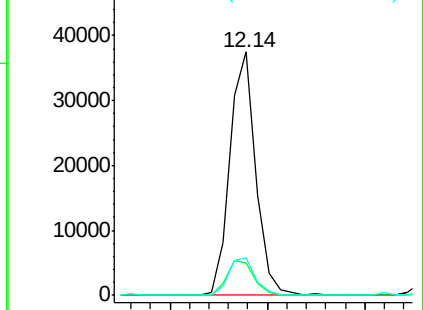
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 13.6  | 0.0        | 33.2  |
| 203     | 15.5  | 0.0        | 38.1  |

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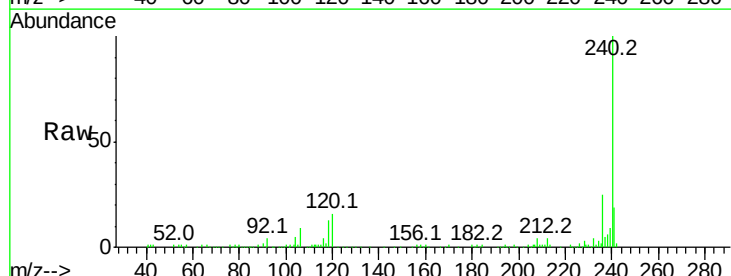


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

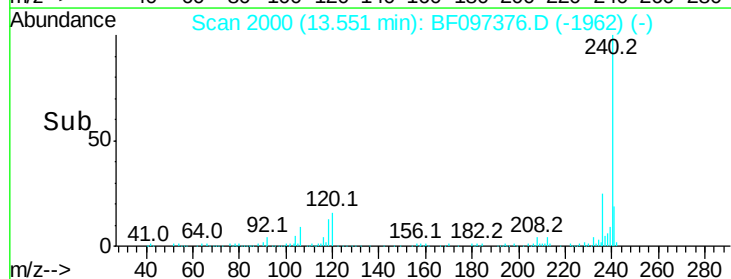
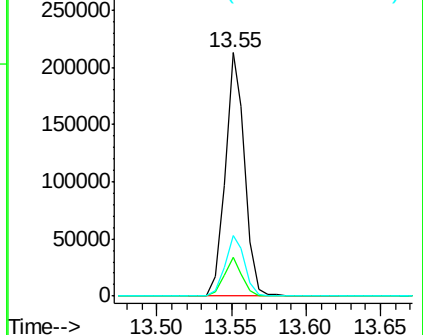


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.55 min Scan# 2000  
 Delta R.T. -0.08 min  
 Lab File: BF097376.D  
 Acq: 5 Aug 2017 00:48

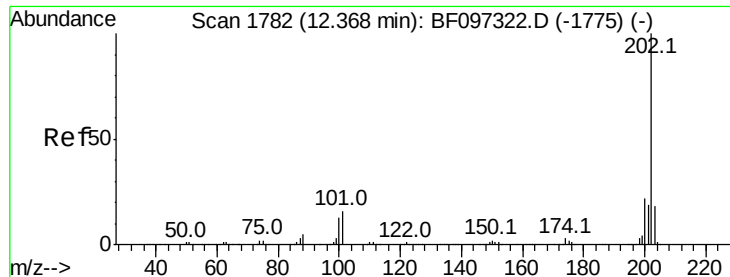
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 16.0  | 5.8        | 8.8#  |
| 236     | 24.6  | 20.5       | 30.7  |



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







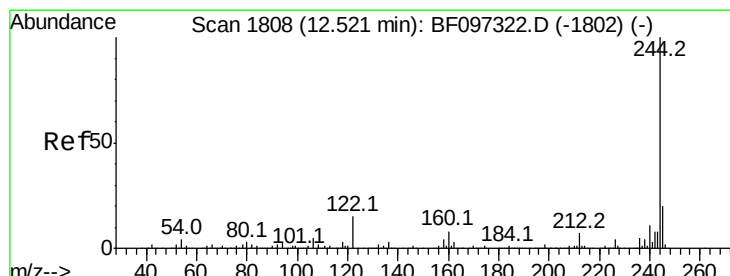
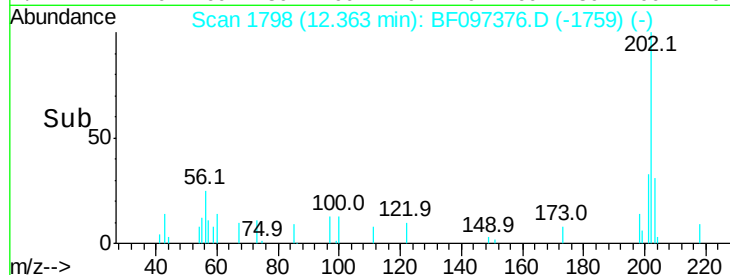
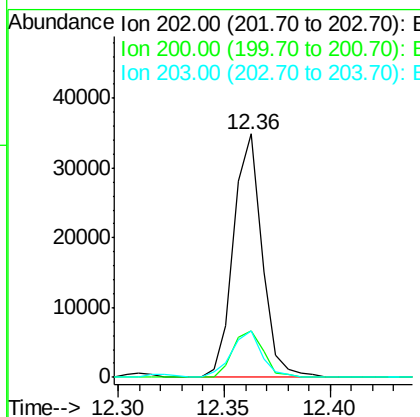
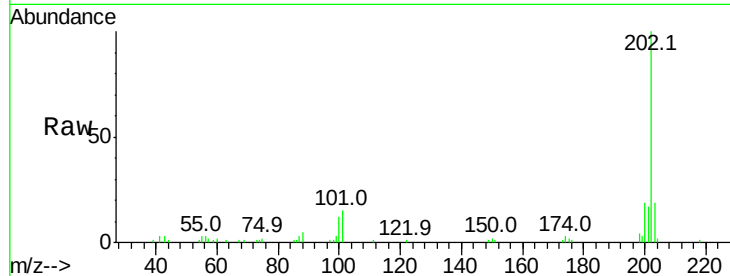
#77  
Pvrene  
Concen: 2.028 ng  
RT: 12.36 min Scan# 1798  
Delta R.T. -0.07 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

Instrument :  
BNA\_F  
ClientSampleId :  
S2

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 19.3  | 17.6       | 26.4  |
| 203     | 19.2  | 14.4       | 21.6  |

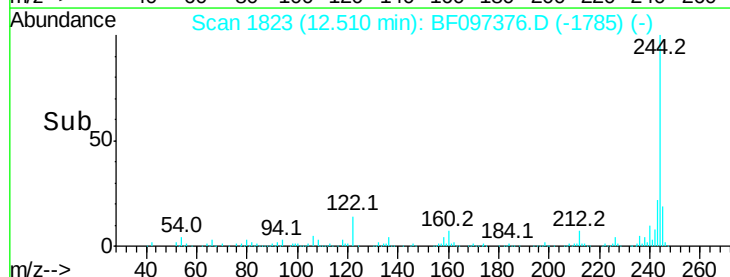
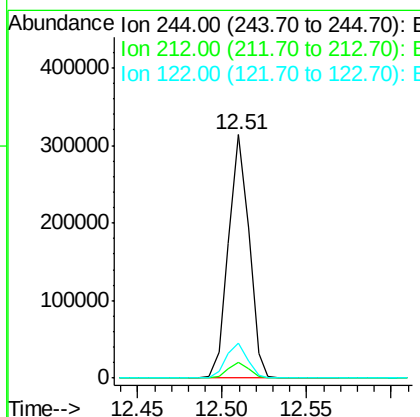
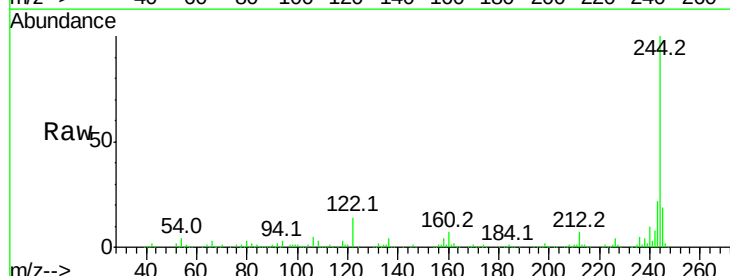
Manual Integrations  
APPROVED

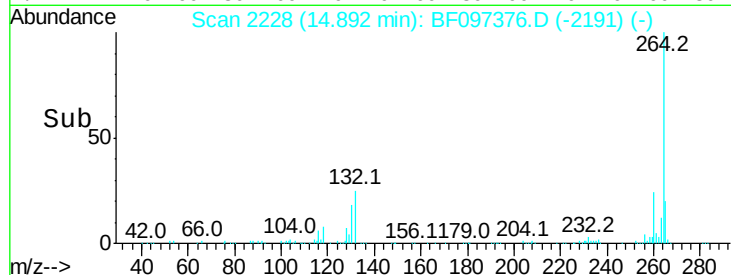
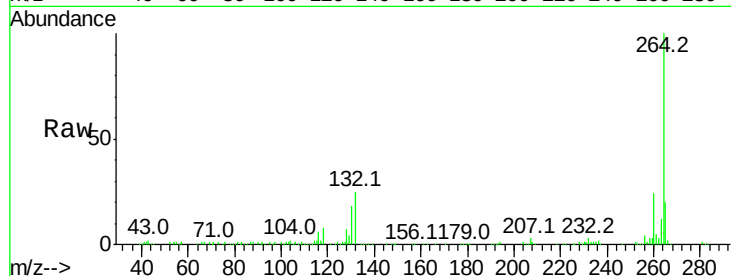
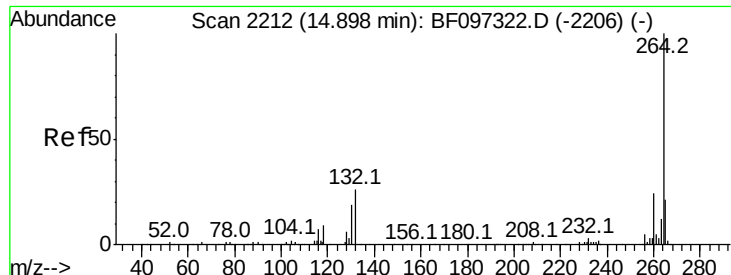
Sohil  
8/7/2017 6:10:11 PM



#78  
Terphenyl-d14  
Concen: 27.746 ng  
RT: 12.51 min Scan# 1823  
Delta R.T. -0.08 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.5   | 6.0        | 9.0   |
| 122     | 14.5  | 10.3       | 15.5  |





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 14.89 min Scan# 2228  
Delta R.T. -0.08 min  
Lab File: BF097376.D  
Acq: 5 Aug 2017 00:48

Instrument :  
BNA\_F  
ClientSampleId :  
S2

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 264     | 100   |      |       |       |
| 260     | 24.5  | 19.5 | 29.3  |       |
| 265     | 20.4  | 17.2 | 25.8  |       |

Manual Integrations  
APPROVED

Sohil  
8/7/2017 6:10:11 PM

