

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
 Data File : BF106873.D  
 Acq On : 27 Jun 2018 15:50  
 Operator : JU/SJ  
 Sample : J3570-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180373-AMENDED-COMPOSITE-

Manual Integrations  
 APPROVED

Sohil  
 6/28/2018 2:21:33 PM

Quant Time: Jun 28 11:10:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 45012    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 176913   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 93607    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 173857   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 14.15 | 240  | 125756   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 138127   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 20155    | 7.58  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 115694   | 34.85 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 194385   | 61.06 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.79 | 330  | 7882     | 7.26  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 351585   | 59.08 | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.07 | 244  | 344501   | 66.36 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 49) Dimethylphthalate          | 9.70  | 163  | 47199    | 6.723 | ng    | # 98     |
| 74) Fluoranthene               | 12.71 | 202  | 23619    | 2.555 | ng    | 96       |
| 77) Pyrene                     | 12.94 | 202  | 32018    | 3.861 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 11388    | 2.613 | ng    | # 96     |

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

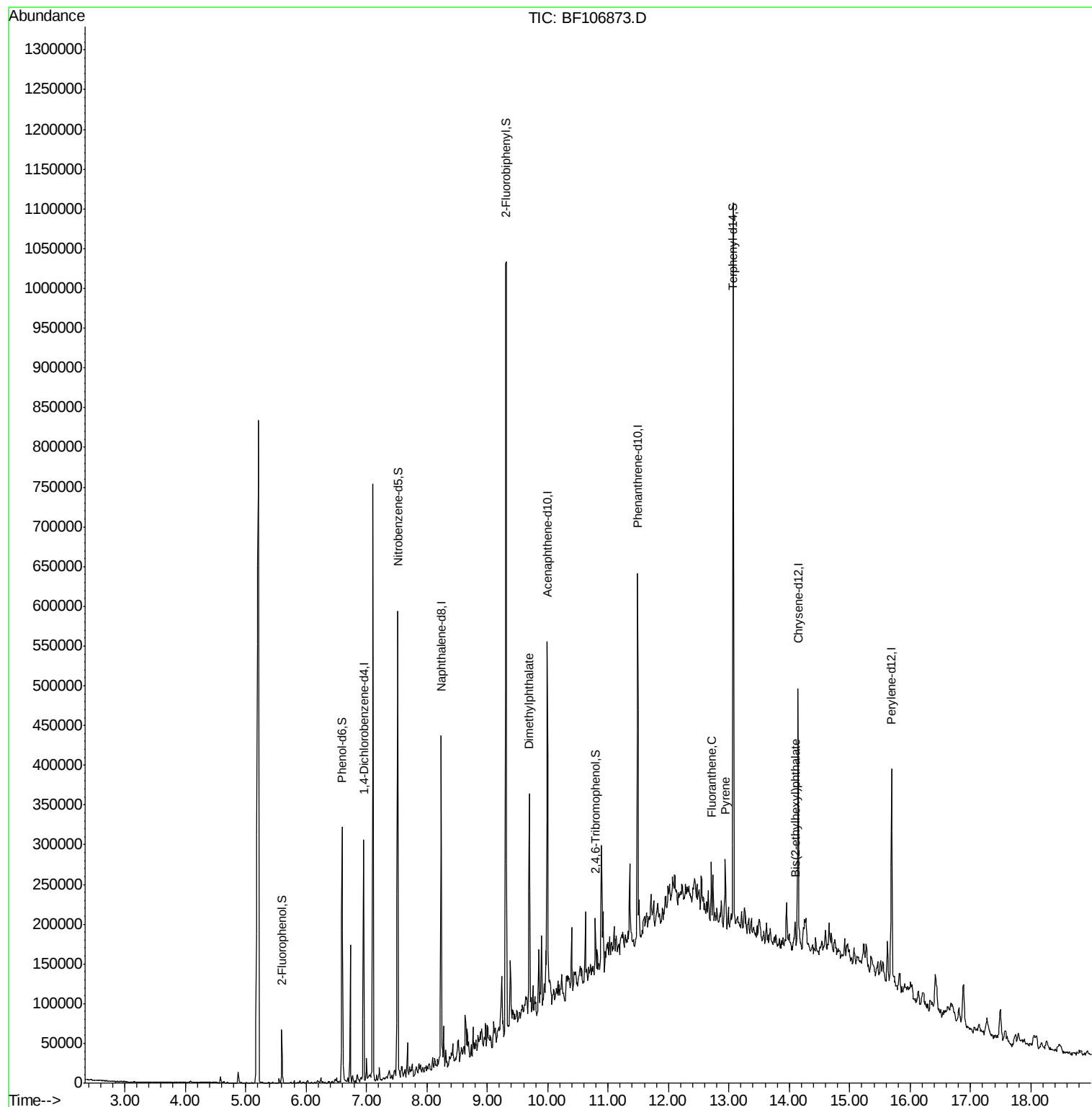
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
Data File : BF106873.D  
Acq On : 27 Jun 2018 15:50  
Operator : JU/SJ  
Sample : J3570-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

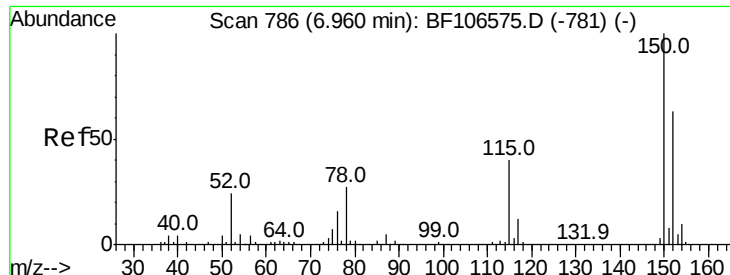
Instrument :  
BNA\_F  
ClientSampleId :  
20180373-AMENDED-COMPOSITE-

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Quant Time: Jun 28 11:10:33 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
Response via : Initial Calibration





#1

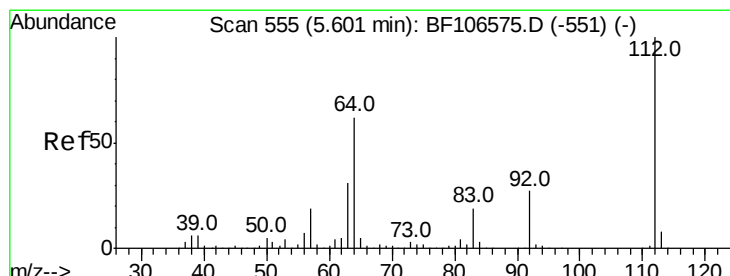
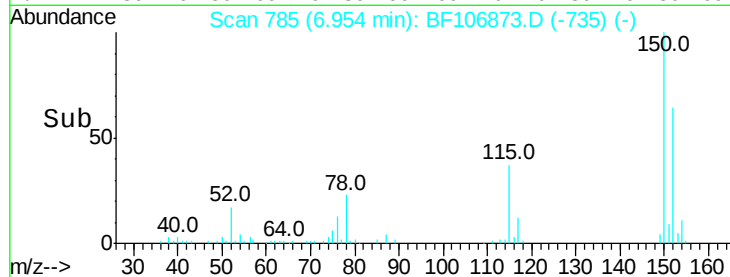
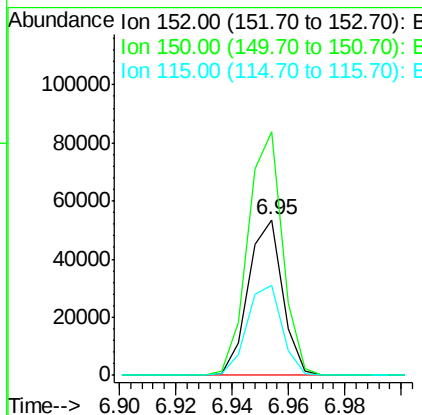
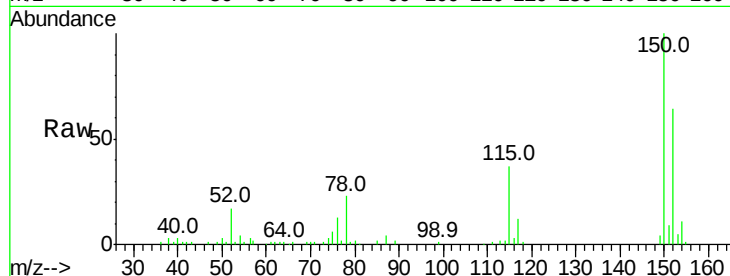
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.5 | 124.6 | 186.8 |
| 115     | 57.5  | 50.1  | 75.1  |

Manual Integrations  
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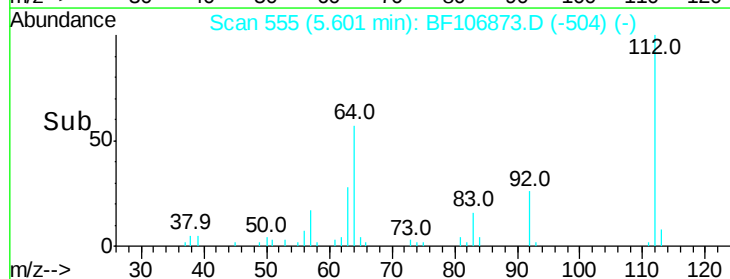
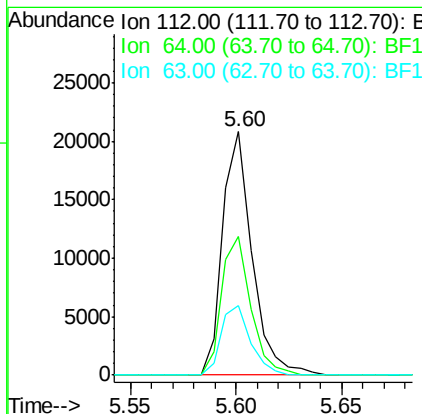
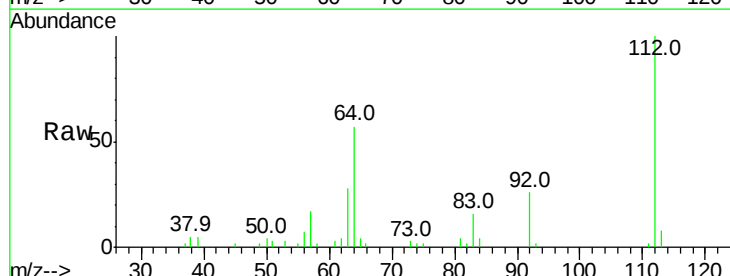
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#5

2-Fluorophenol  
Concen: 7.582 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.2  | 47.9  | 71.9  |
| 63      | 28.4  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 34.852 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

Instrument :

BNA\_F

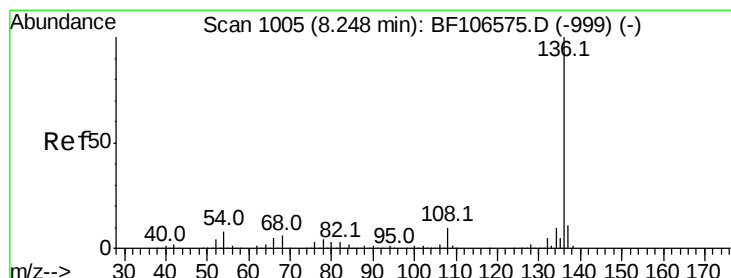
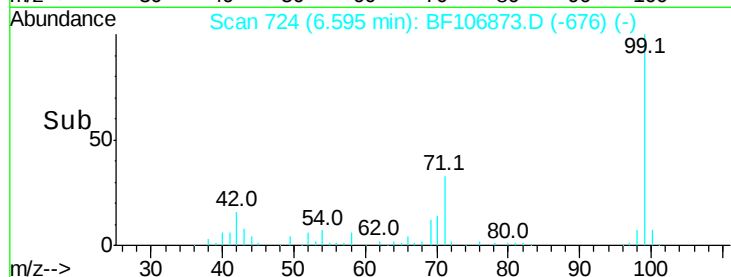
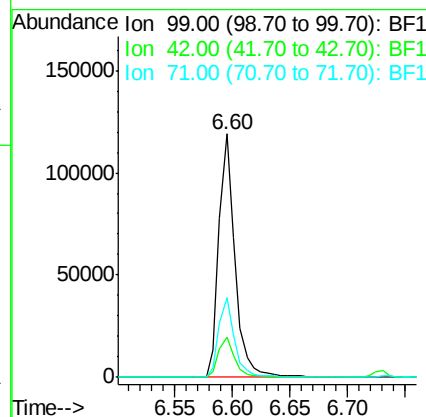
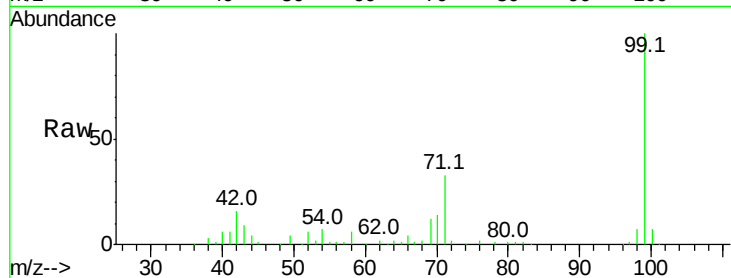
ClientSampleId :

20180373-AMENDED-COMPOSITE-

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 115694 |       |       |
| 42      | 16.2 | 14.5  | 21.7   |       |       |
| 71      | 32.9 | 25.4  | 38.0   |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

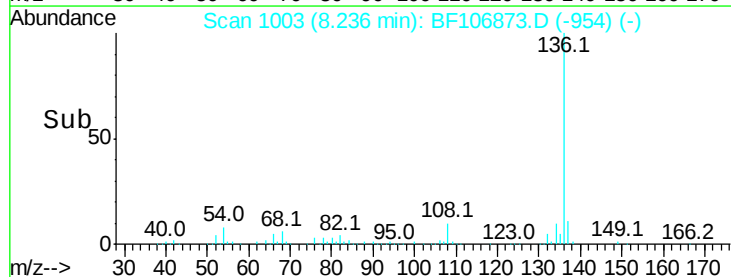
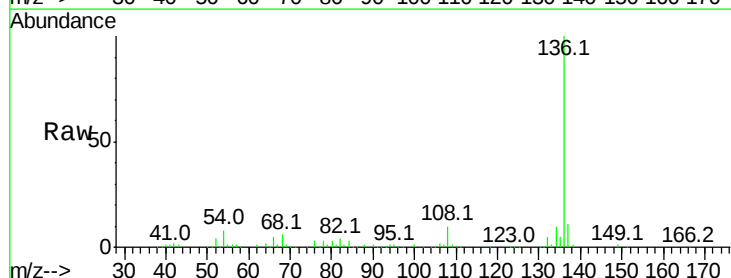
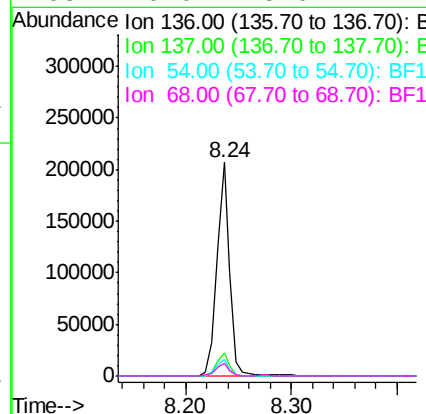
RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 176913 |       |       |
| 137     | 10.8 | 8.9   | 13.3   |       |       |
| 54      | 7.7  | 6.6   | 9.8    |       |       |
| 68      | 6.0  | 5.0   | 7.4    |       |       |





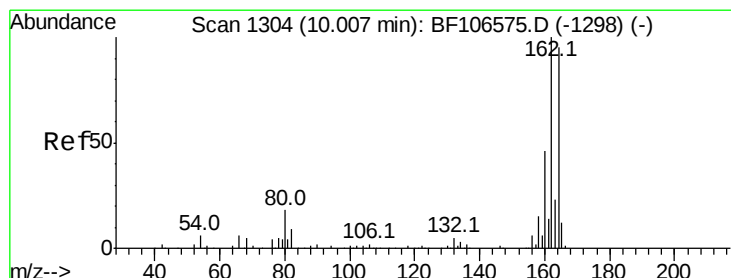
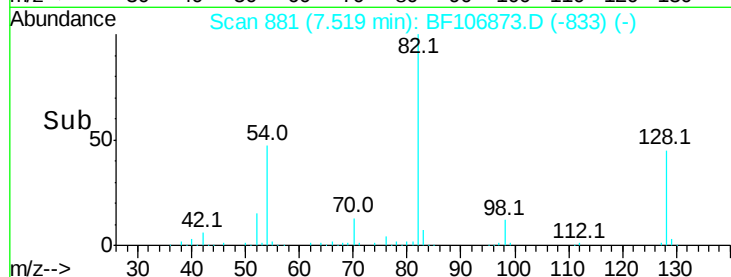
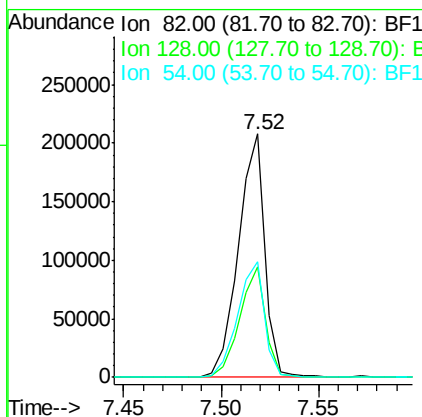
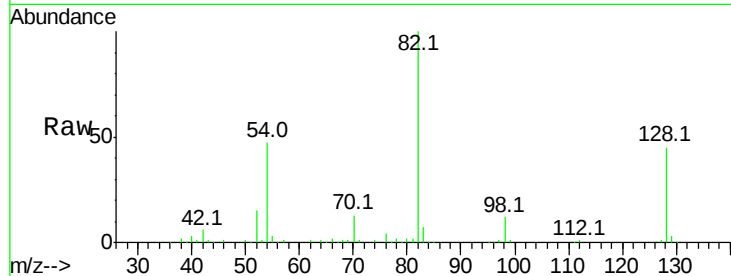
#23  
Nitrobenzene-d5  
Concen: 61.062 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.02 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 45.4  | 36.1 | 54.1  |       |
| 54      | 47.3  | 41.4 | 62.2  |       |

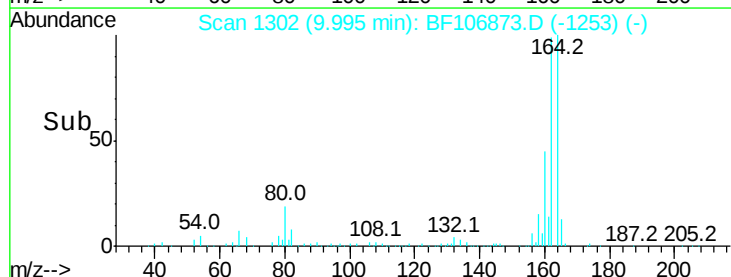
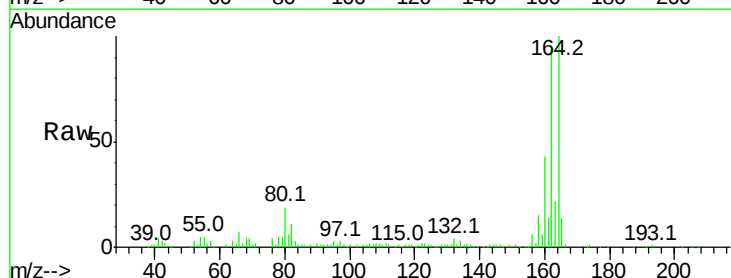
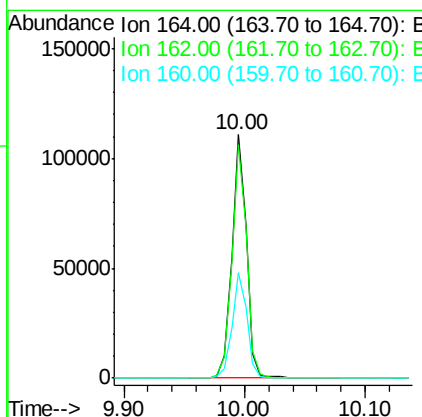
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 95.9  | 86.1 | 129.1 |       |
| 160     | 43.2  | 38.3 | 57.5  |       |





#41

2,4,6-Tribromophenol

Concen: 7.265 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

Instrument :

BNA\_F

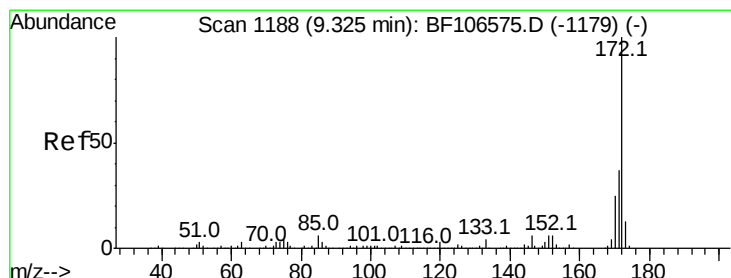
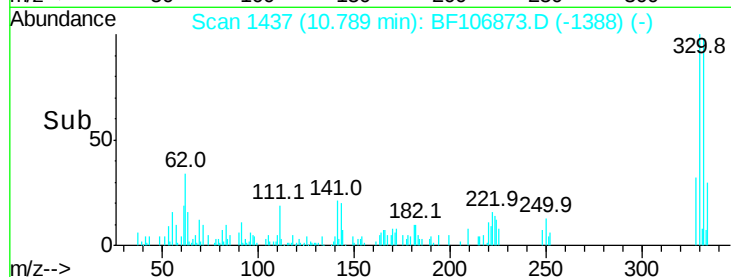
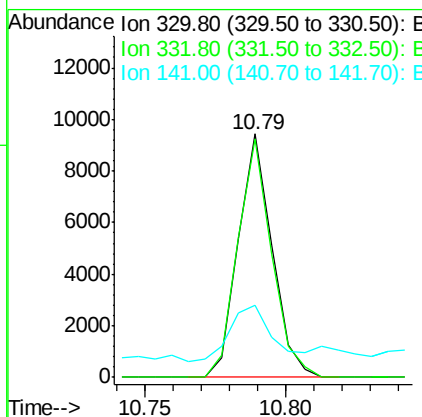
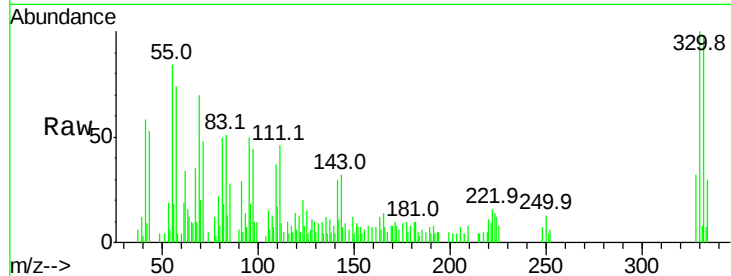
ClientSampleId :

20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.4  | 77.0  | 115.6 |
| 141     | 28.1  | 29.9  | 44.9# |

Manual Integrations  
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#44

2-Fluorobiphenyl

Concen: 59.075 ng

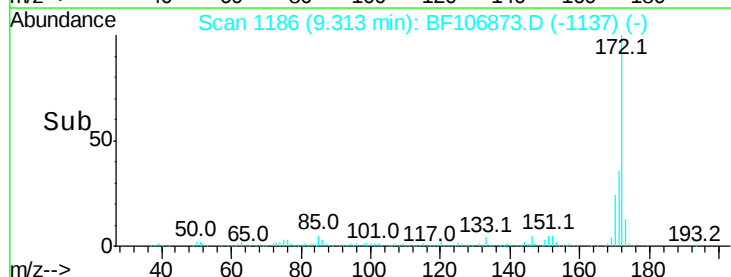
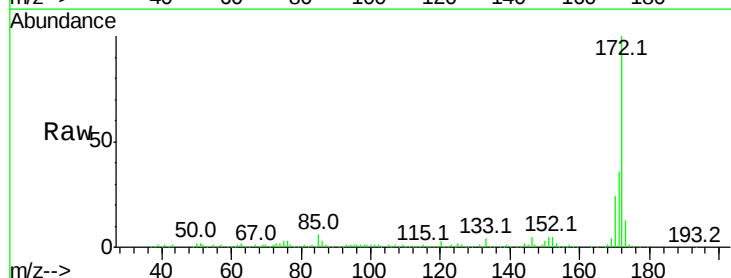
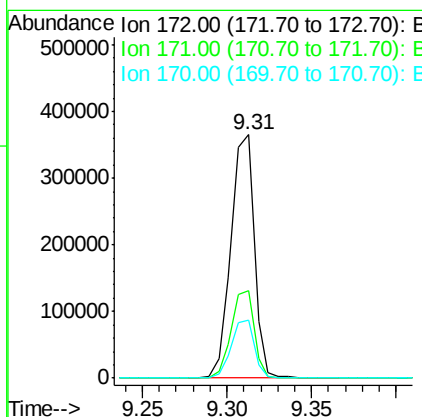
RT: 9.31 min Scan# 1186

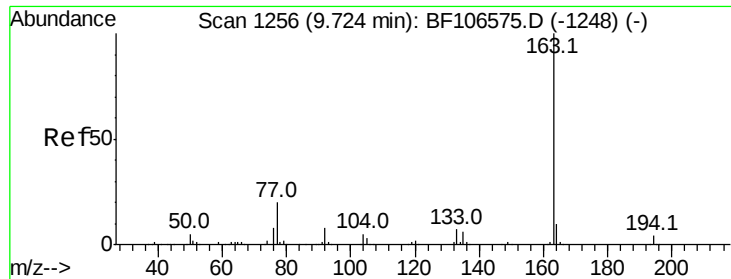
Delta R.T. -0.01 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.7  | 44.5  |
| 170     | 23.6  | 19.6  | 29.4  |





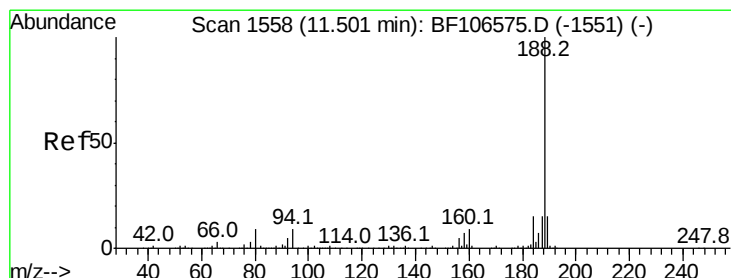
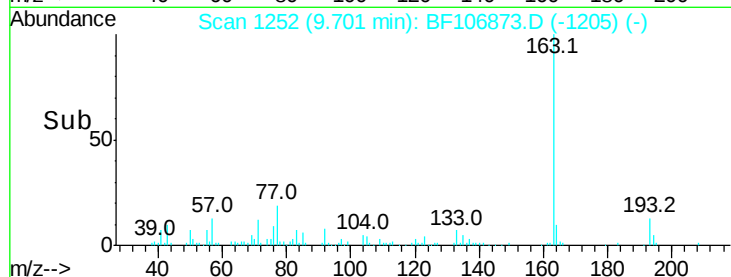
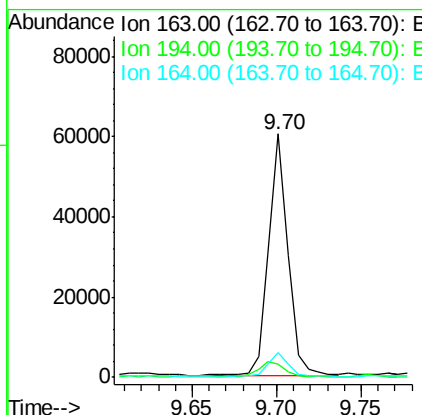
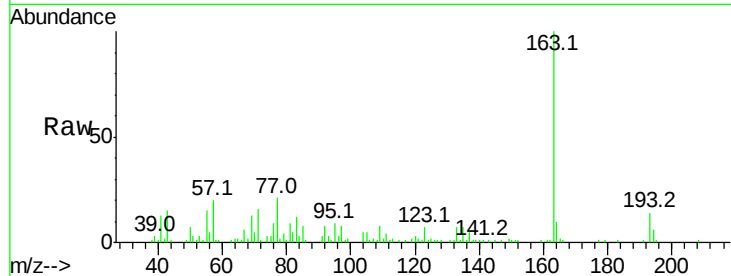
#49  
Dimethylphthalate  
Concen: 6.723 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.6   | 2.7   | 4.1#  |
| 164     | 10.3  | 8.2   | 12.2  |

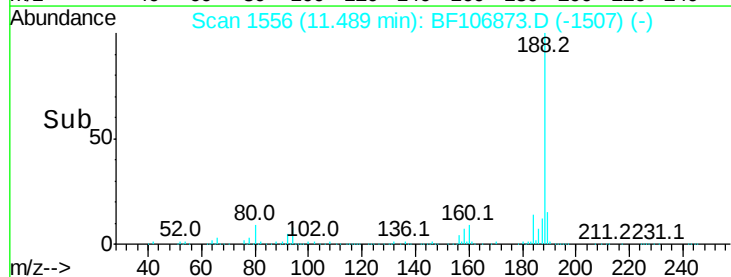
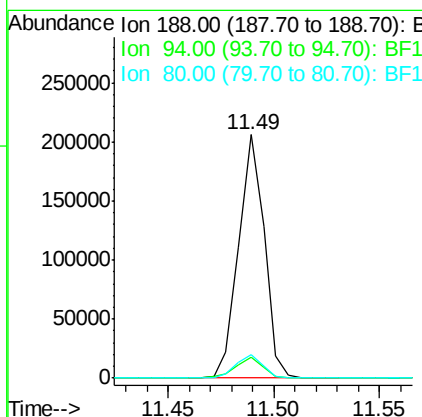
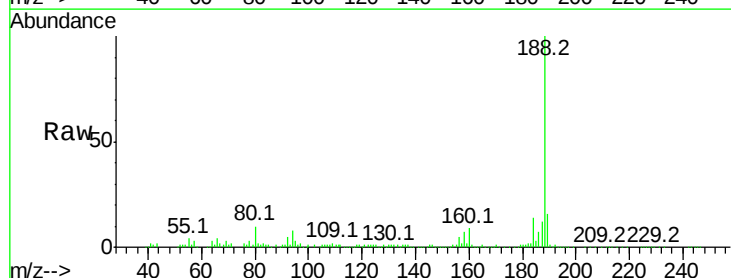
Manual Integrations  
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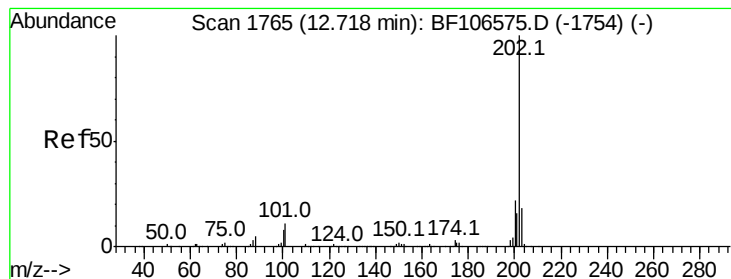
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#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 8.5   | 12.7# |
| 80      | 9.5   | 9.2   | 13.8  |





#74

Fluoranthene

Concen: 2.555 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

Instrument :

BNA\_F

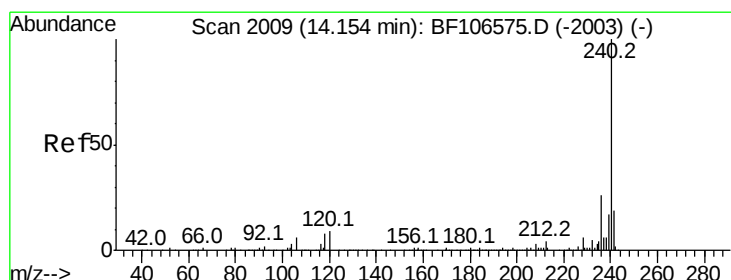
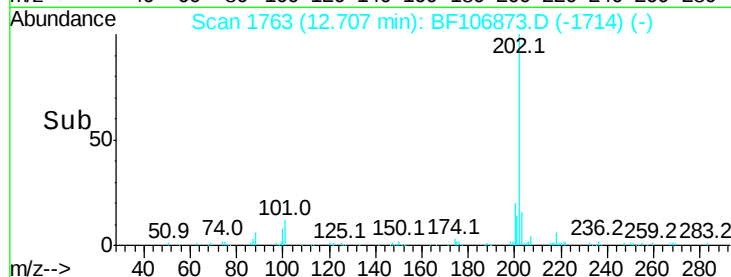
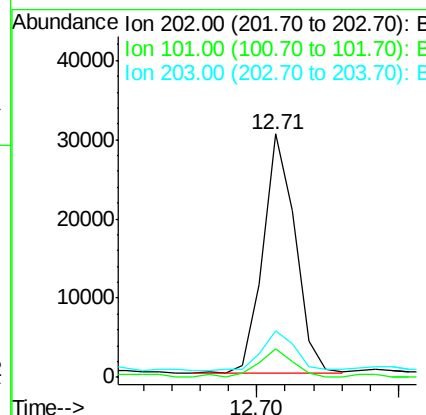
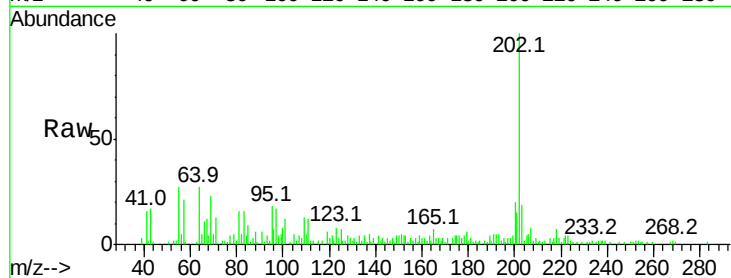
ClientSampleId :

20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.7  | 0.0        | 34.1  |
| 203     | 19.0  | 0.0        | 38.1  |

Manual Integrations  
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#75

Chrysene-d12

Concen: 20.000 ng

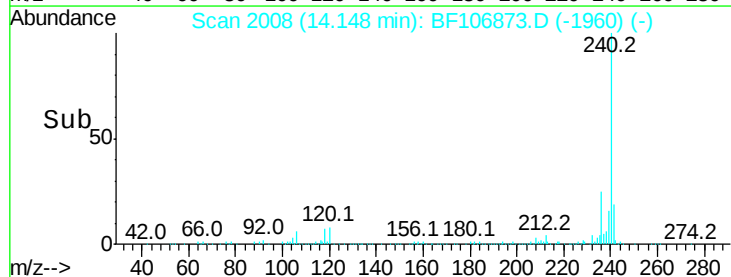
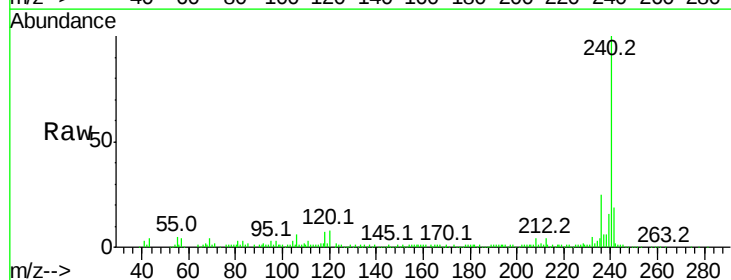
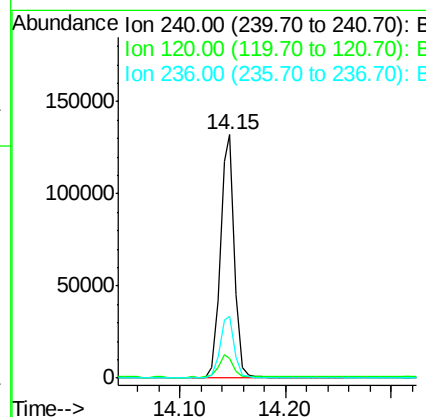
RT: 14.15 min Scan# 2008

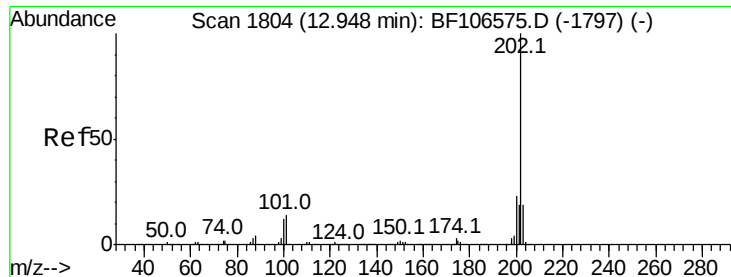
Delta R.T. -0.02 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 8.1   | 9.5        | 14.3# |
| 236     | 25.3  | 20.7       | 31.1  |





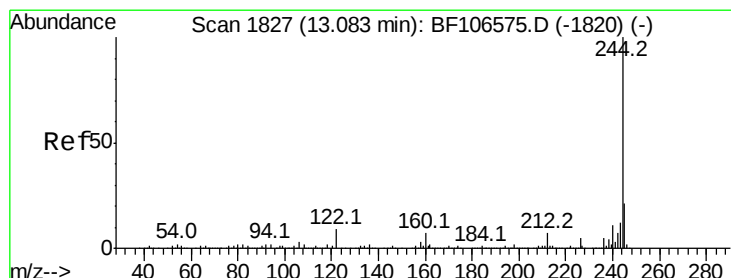
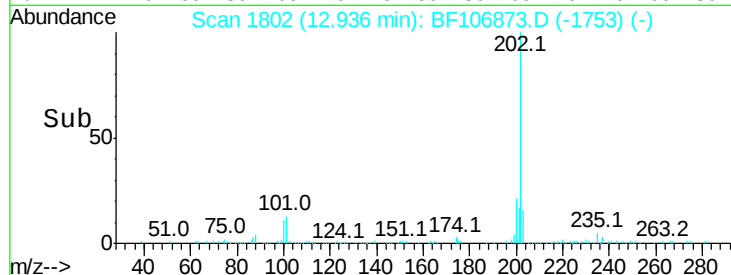
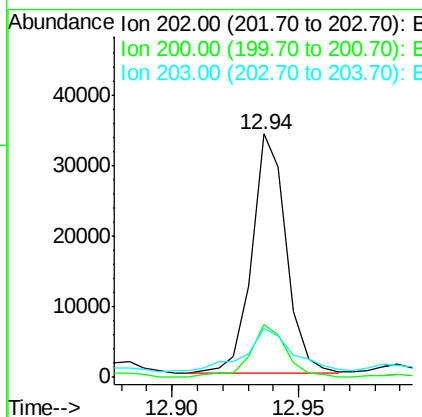
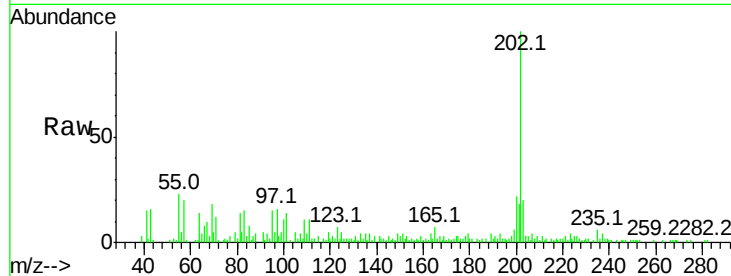
#77  
Pvrene  
Concen: 3.861 ng  
RT: 12.94 min Scan# 1802  
Delta R.T. -0.01 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
20180373-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.5  | 17.4       | 26.2  |
| 203     | 20.1  | 14.3       | 21.5  |

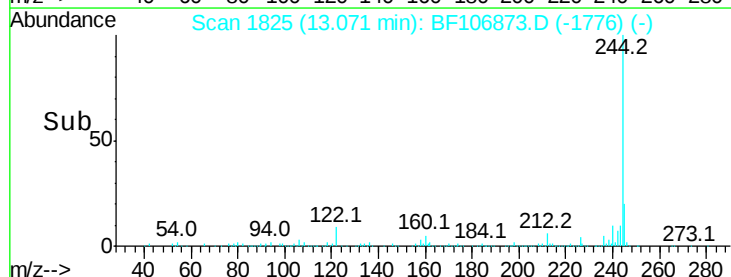
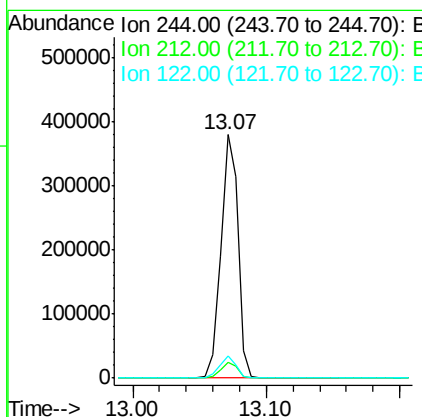
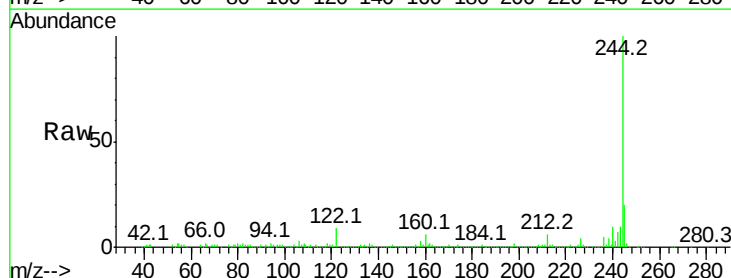
Manual Integrations  
APPROVED

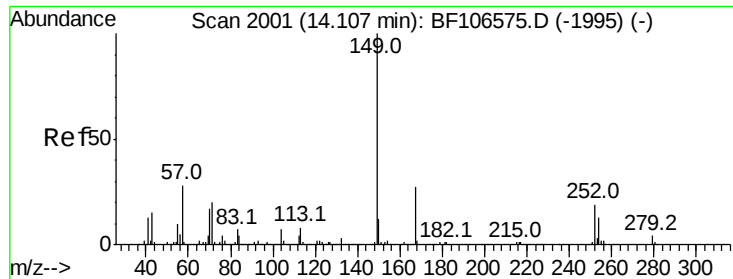
Sohil  
6/28/2018 2:21:33 PM



#78  
Terphenyl-d14  
Concen: 66.357 ng  
RT: 13.07 min Scan# 1825  
Delta R.T. -0.01 min  
Lab File: BF106873.D  
Acq: 27 Jun 2018 15:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.5   | 5.4        | 8.0   |
| 122     | 9.0   | 11.0       | 16.4# |





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.613 ng

RT: 14.09 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

Instrument :

BNA\_F

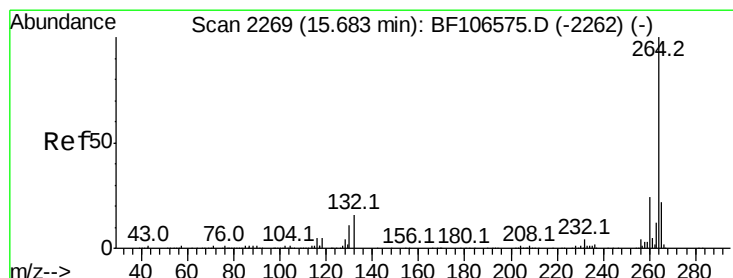
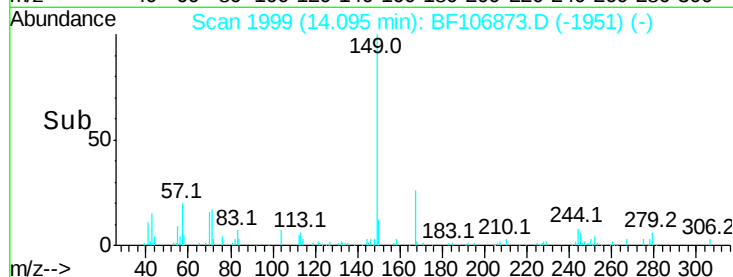
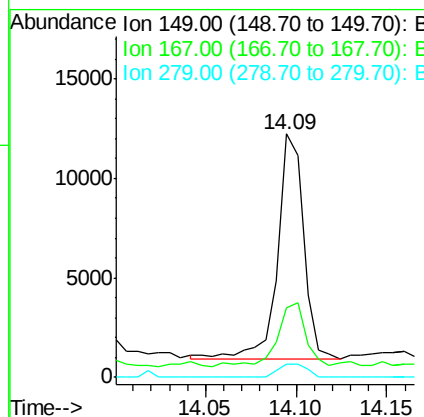
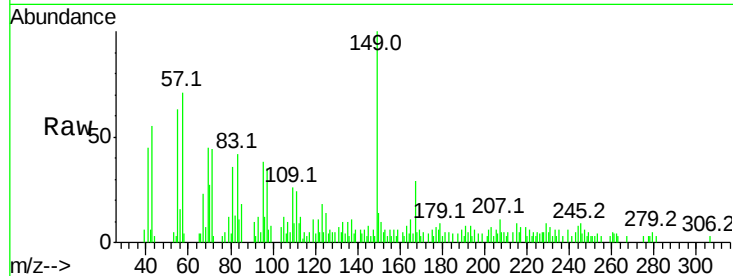
ClientSampleId :

20180373-AMENDED-COMPOSITE-

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 11388 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.5  | 21.3  | 31.9  |
| 279       | 5.2   | 3.0   | 4.4#  |

Manual Integrations  
APPROVED

Sohil  
6/28/2018 2:21:33 PM



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF106873.D

Acq: 27 Jun 2018 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 138127 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.4  | 19.2  | 28.8   |
| 265       | 21.2  | 17.5  | 26.3   |

