

Data File : BF108916.D  
Acq On : 11 Sep 2018 2:11  
Operator : JU/SJ  
Sample : J4830-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
090618-SIDI-F-D-M

Quant Time: Sep 11 03:06:40 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 158326   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 553684   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.77  | 164  | 223960   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.25 | 188  | 377042   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.87 | 240  | 391866   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.28 | 264  | 271972   | 20.00 | ng    | 0.02     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.35  | 112 | 409975  | 42.90  | ng | 0.01 |
| 7) Phenol-d6                | 6.37  | 99  | 344340  | 28.00  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.30  | 82  | 939486  | 106.19 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330 | 197731  | 92.48  | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.10  | 172 | 1521454 | 115.89 | ng | 0.00 |
| 78) Terphenyl-d14           | 12.83 | 244 | 1379018 | 82.06  | ng | 0.00 |

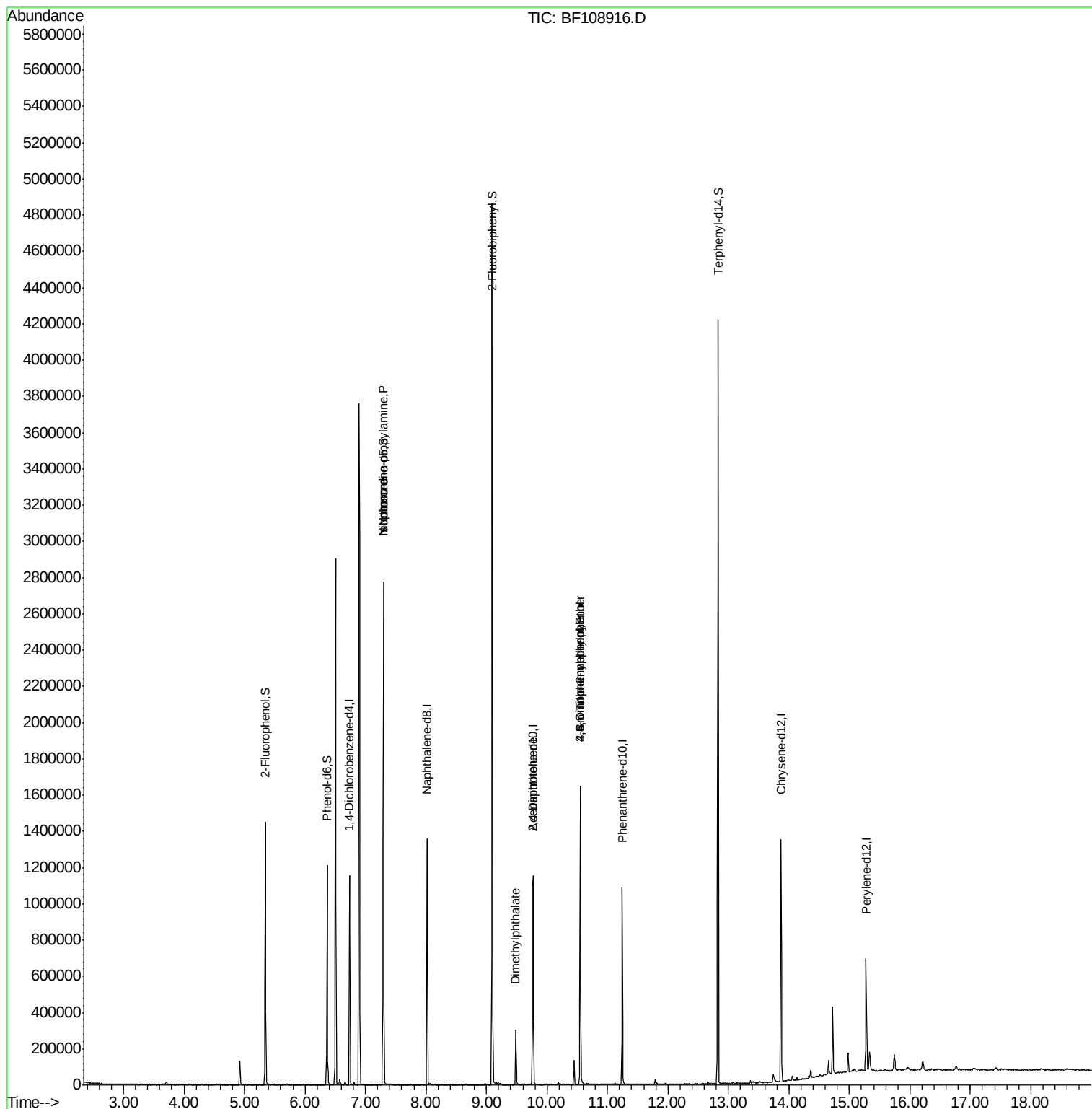
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70  | 125535 | 14.687 | ng | # 77 |
| 25) Isophorone                 | 7.30  | 82  | 935765 | 53.024 | ng | # 64 |
| 49) Dimethylphthalate          | 9.48  | 163 | 120444 | 7.689  | ng | 99   |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165 | 28390  | 7.437  | ng | # 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 323    | 7.055  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248 | 12068  | 2.834  | ng | # 1  |

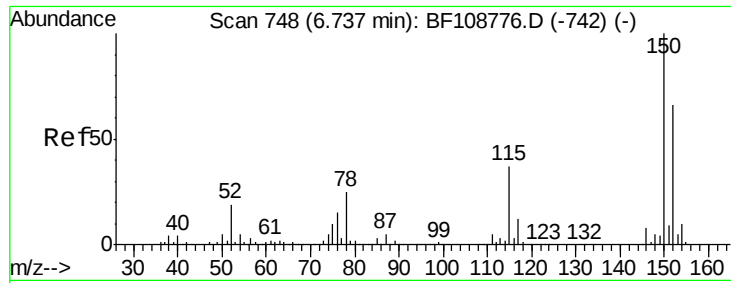
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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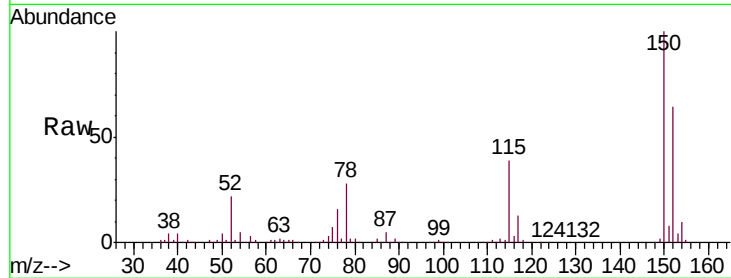




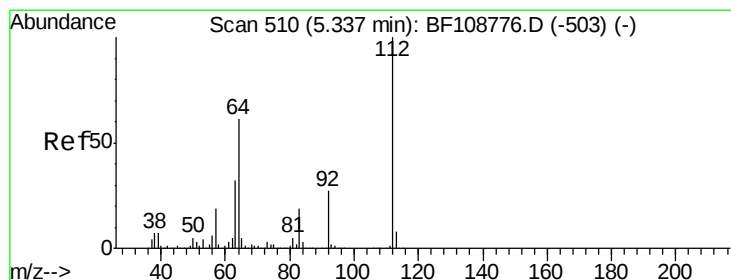
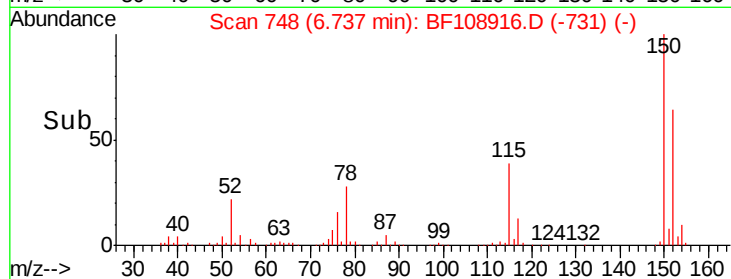
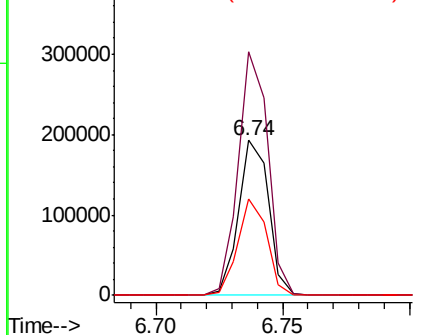
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF108916.D  
 Acq: 11 Sep 2018 2:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-SIDI-F-D-M

Tgt Ion:152 Resp: 158326  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 124.6 186.8  
 115 62.0 50.1 75.1

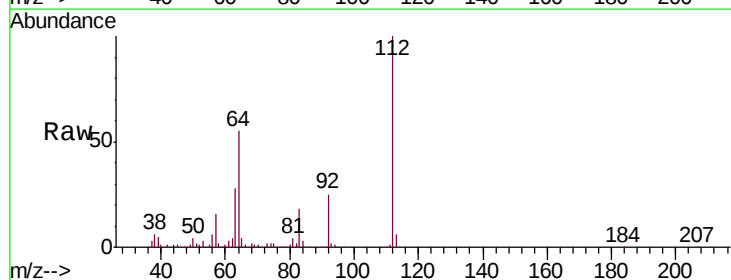


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

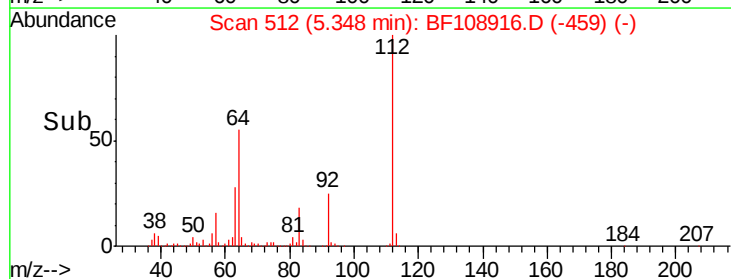
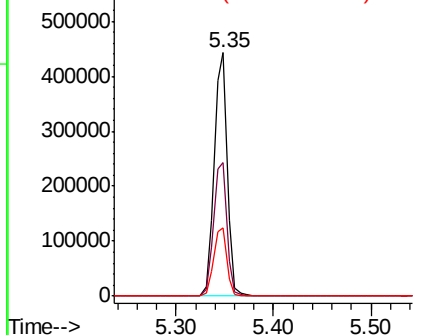


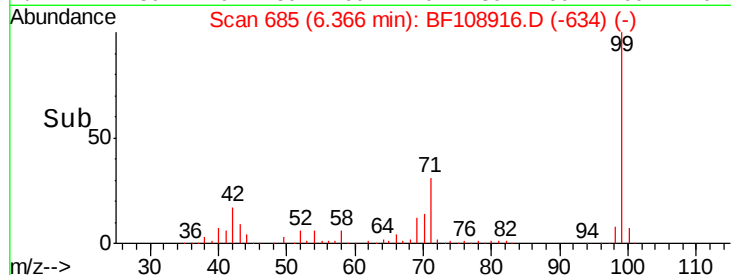
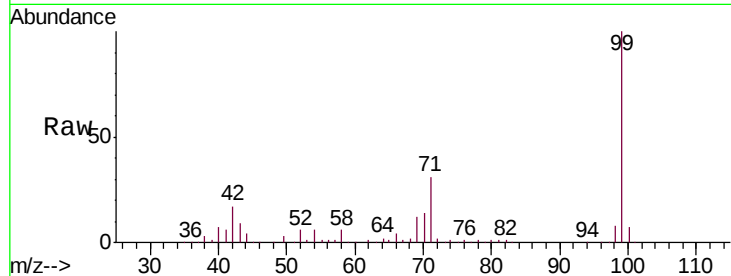
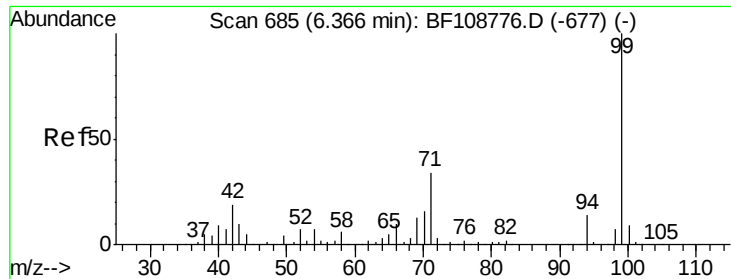
#5  
 2-Fluorophenol  
 Concen: 42.898 ng  
 RT: 5.35 min Scan# 512  
 Delta R.T. 0.01 min  
 Lab File: BF108916.D  
 Acq: 11 Sep 2018 2:11

Tgt Ion:112 Resp: 409975  
 Ion Ratio Lower Upper  
 112 100  
 64 54.6 47.9 71.9  
 63 28.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.003 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Instrument :

BNA\_F

ClientSampleId :

090618-SIDI-F-D-M

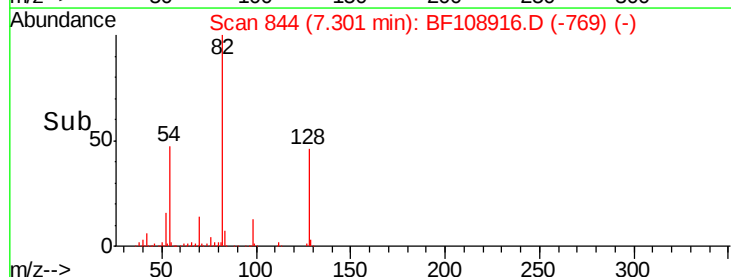
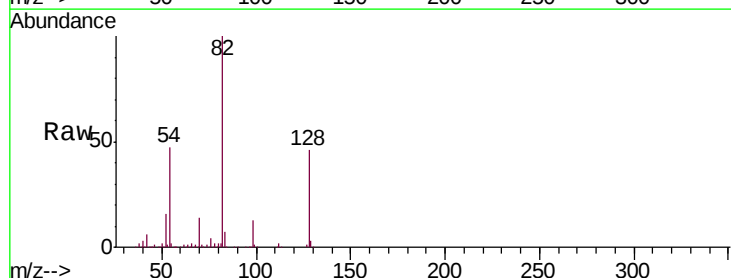
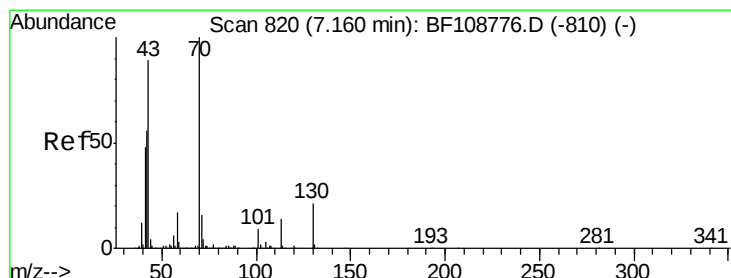
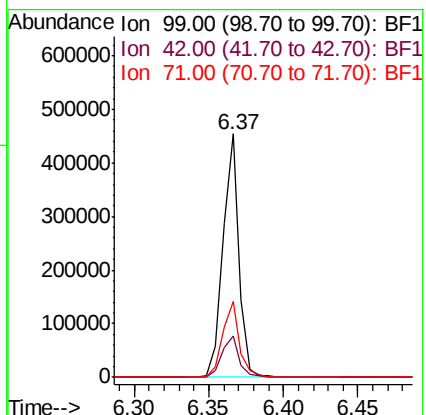
Tgt Ion: 99 Resp: 344340

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

71 31.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.687 ng

RT: 7.30 min Scan# 844

Delta R.T. 0.14 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Tgt Ion: 70 Resp: 125535

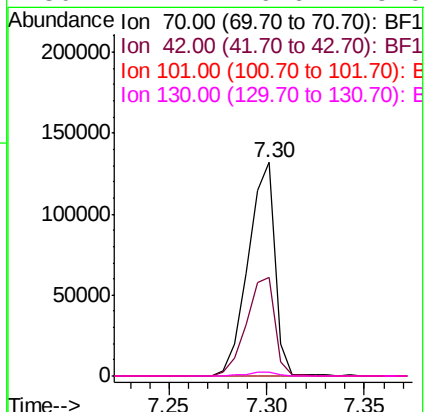
Ion Ratio Lower Upper

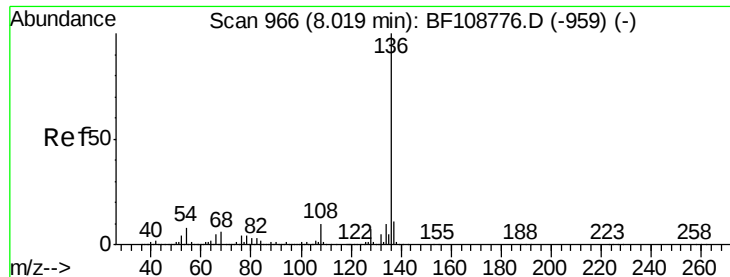
70 100

42 46.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

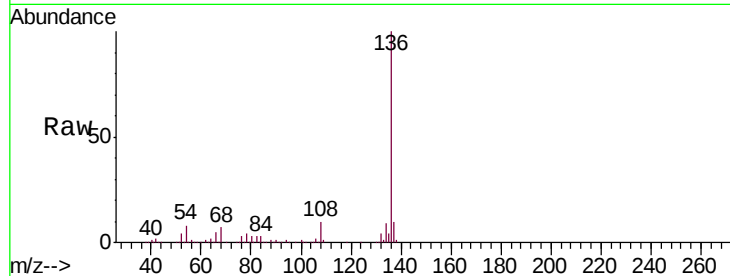




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

Instrument :  
BNA\_F  
ClientSampleId :  
090618-SIDI-F-D-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 553684 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.9   | 13.3   |
| 54       | 7.6   | 6.6   | 9.8    |
| 68       | 6.8   | 5.0   | 7.4    |



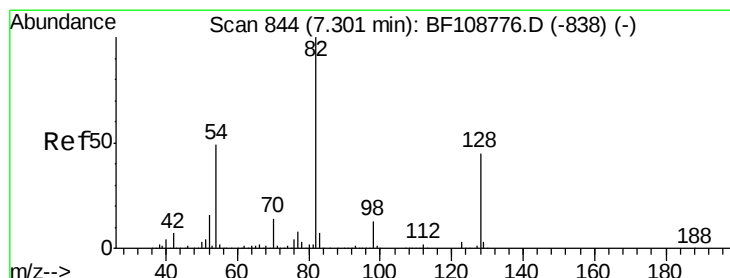
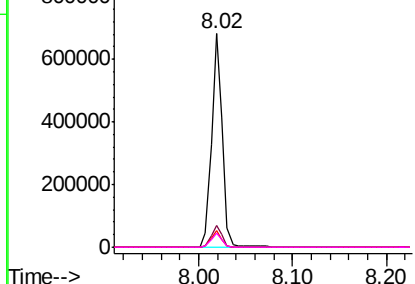
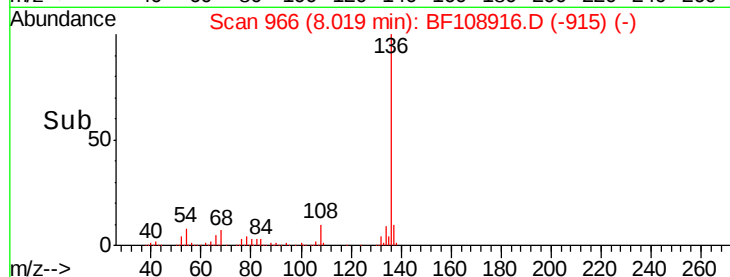
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

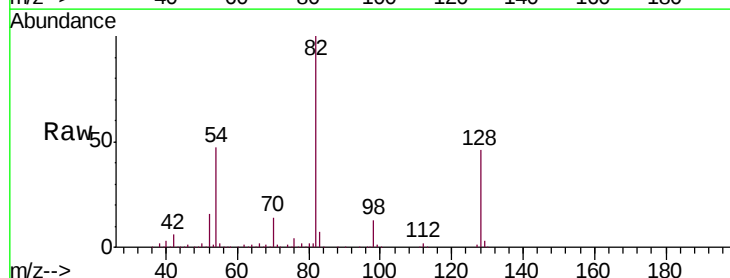
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 106.187 ng  
RT: 7.30 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 939486 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.4  | 36.1  | 54.1   |
| 54       | 46.7  | 41.4  | 62.2   |

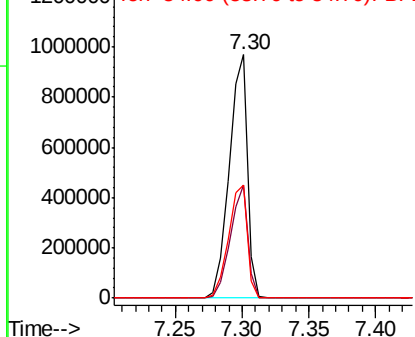
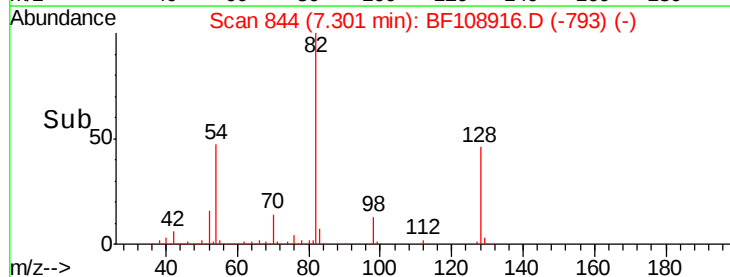


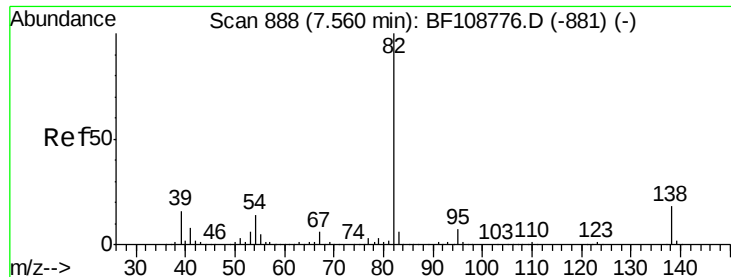
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.024 ng

RT: 7.30 min Scan# 844

Delta R.T. -0.26 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Instrument :

BNA\_F

ClientSampleId :

090618-SIDI-F-D-M

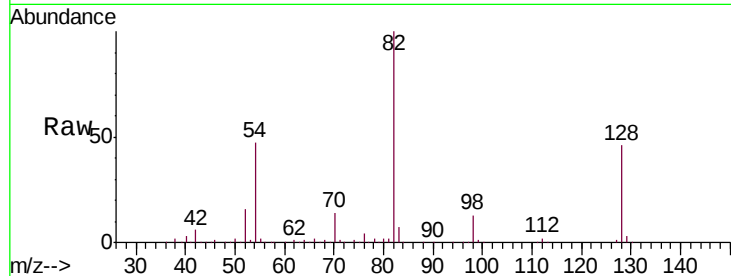
Tgt Ion: 82 Resp: 935765

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

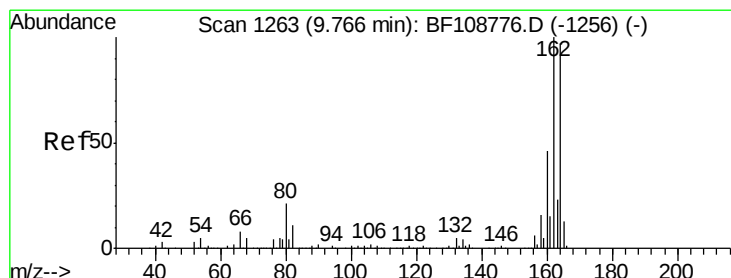
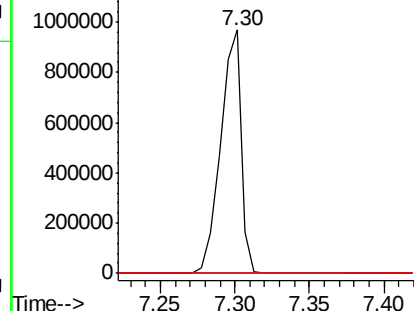
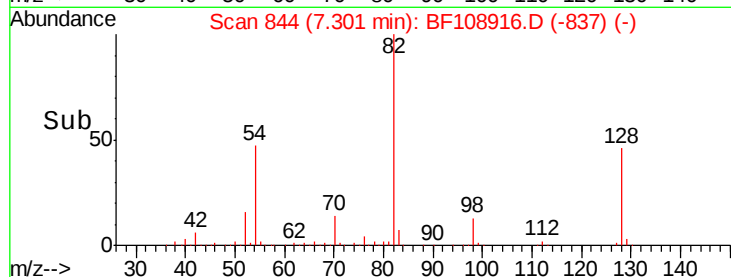
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

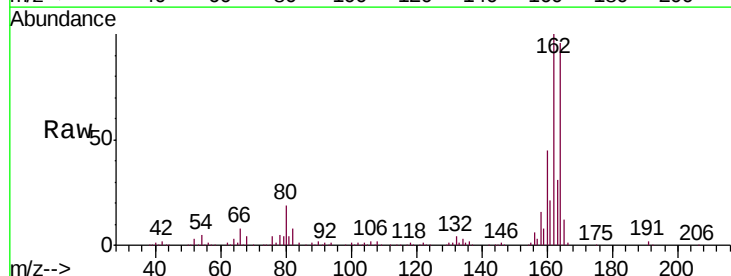
Tgt Ion: 164 Resp: 223960

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

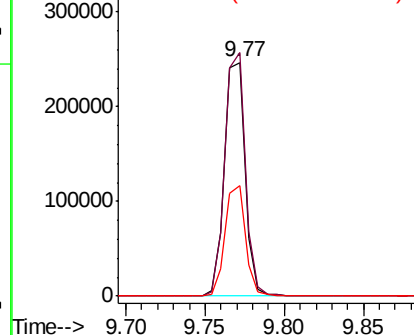
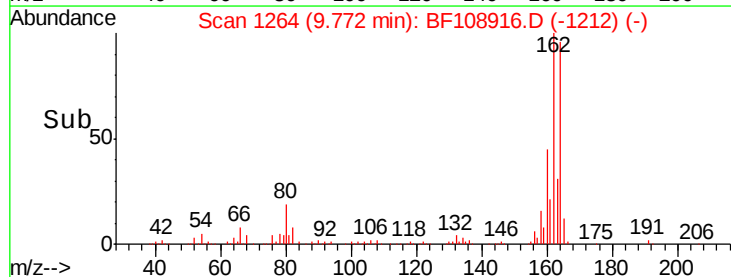
160 47.0 38.3 57.5

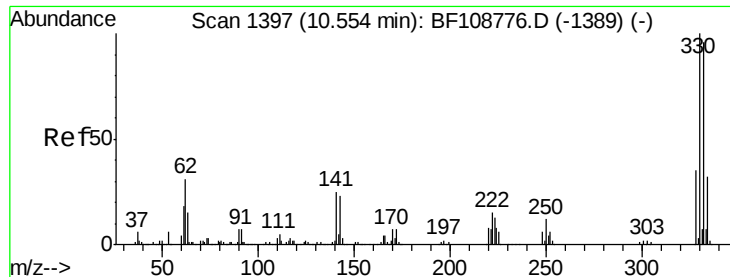


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

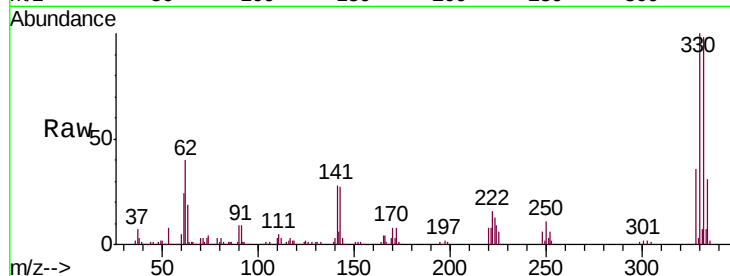




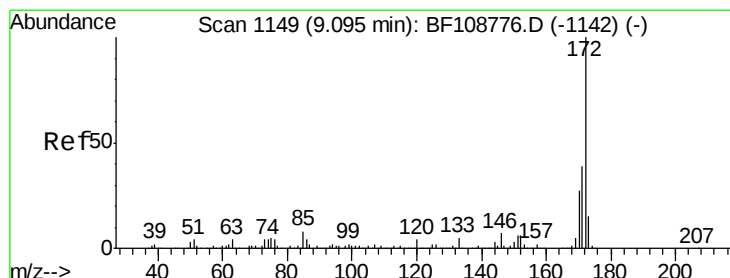
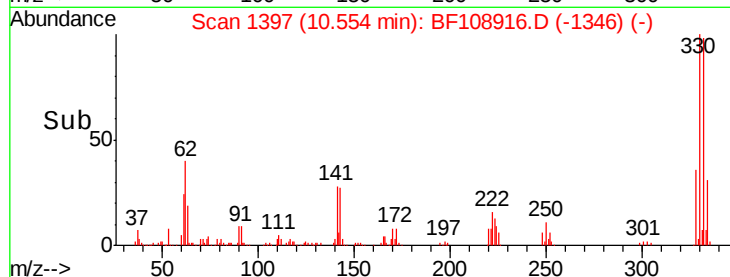
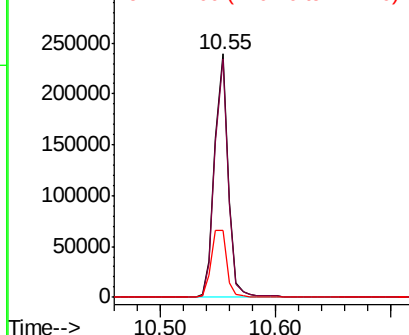
#41  
 2,4,6-Tribromophenol  
 Concen: 92.483 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: BF108916.D  
 Acq: 11 Sep 2018 2:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090618-SIDI-F-D-M

Tgt Ion:330 Resp: 197731  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.0 115.6  
 141 31.8 29.9 44.9

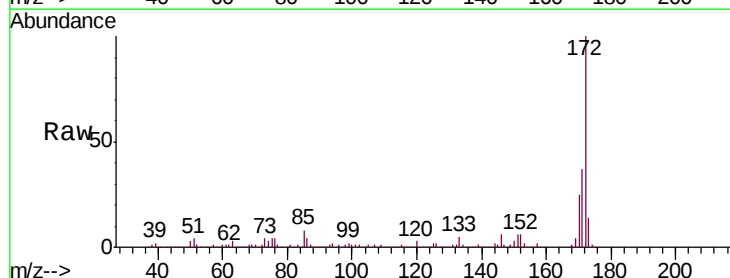


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

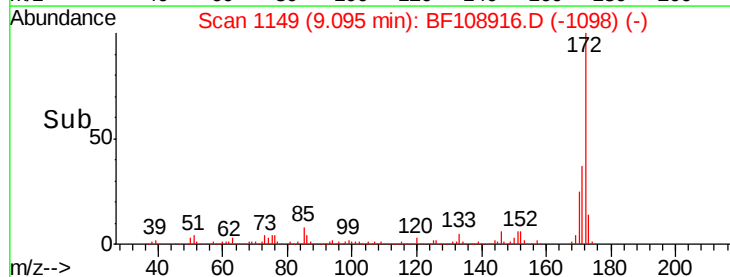
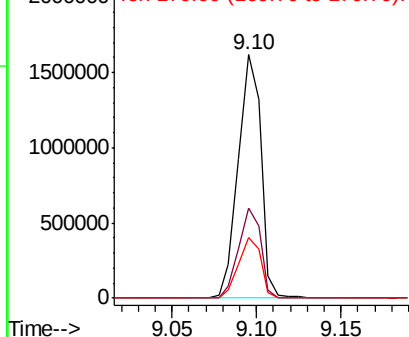


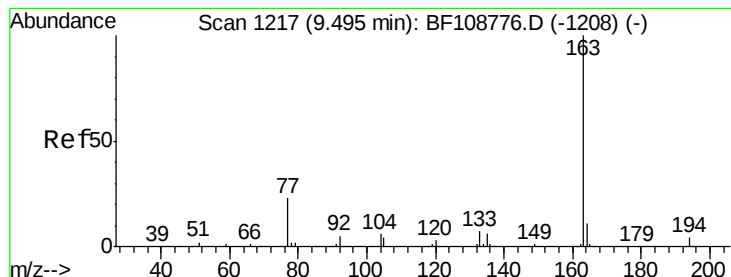
#44  
 2-Fluorobiphenyl  
 Concen: 115.895 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108916.D  
 Acq: 11 Sep 2018 2:11

Tgt Ion:172 Resp: 1521454  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.7 44.5  
 170 24.8 19.6 29.4



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: 7.689 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Instrument :

BNA\_F

ClientSampleId :

090618-SIDI-F-D-M

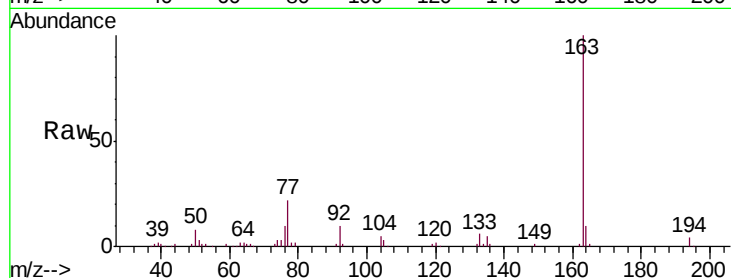
Tgt Ion:163 Resp: 120444

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

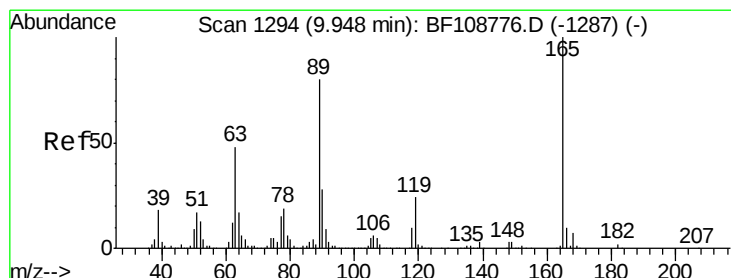
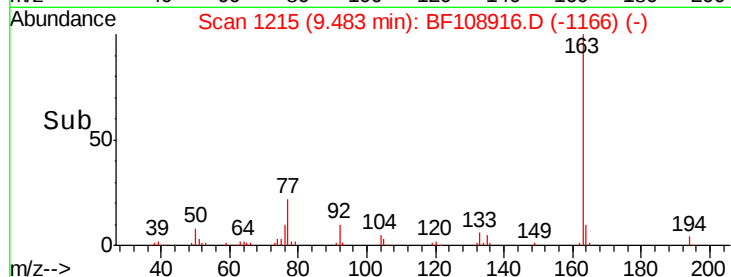
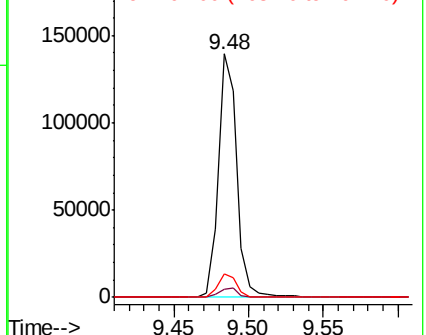
164 9.7 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.437 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.18 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Tgt Ion:165 Resp: 28390

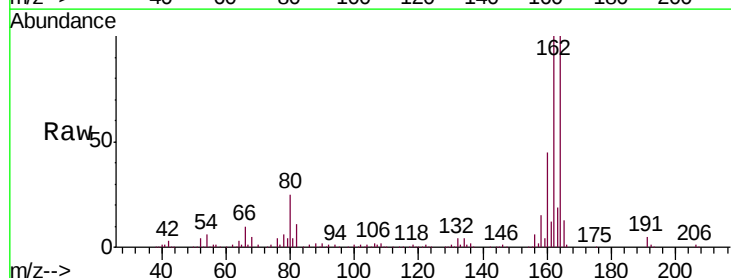
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

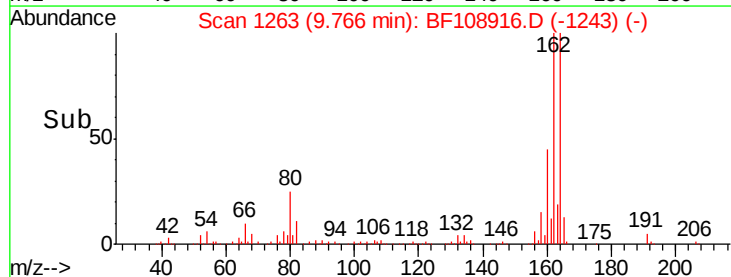
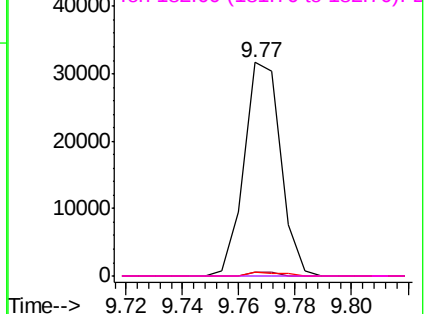


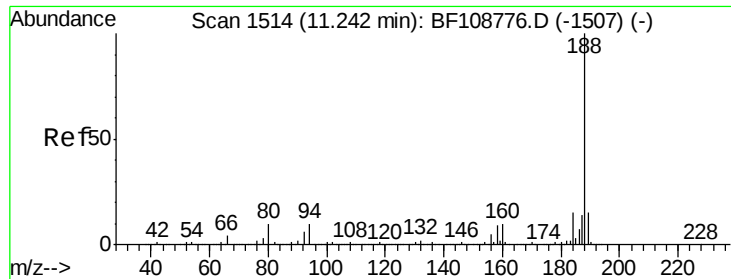
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

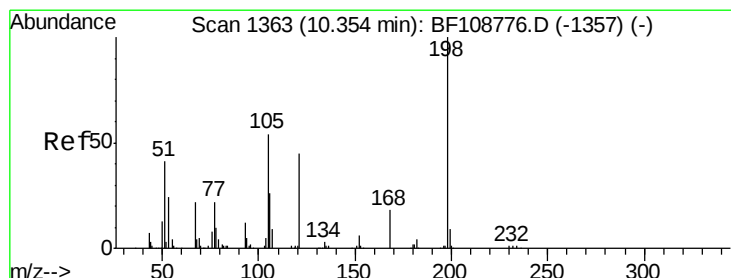
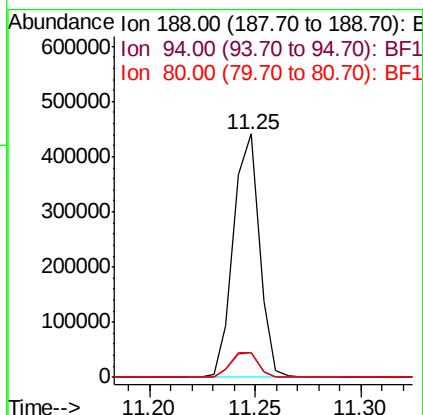
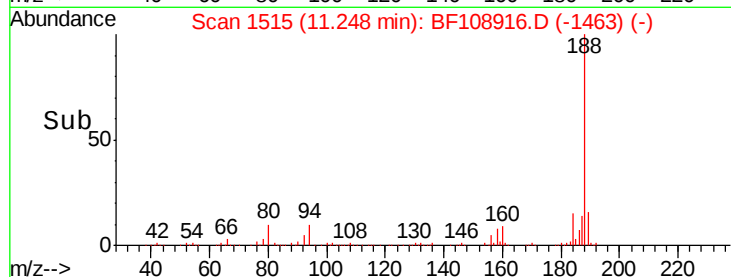
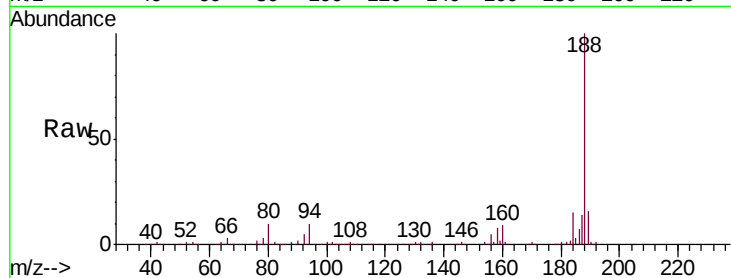




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1515  
Delta R.T. 0.01 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

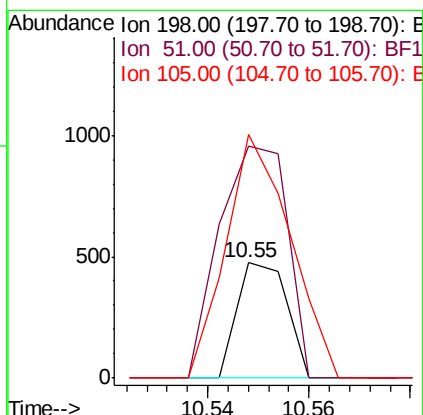
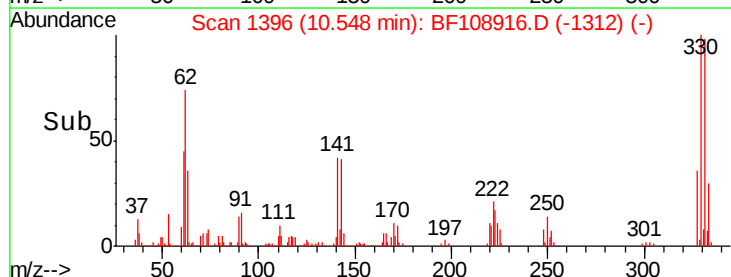
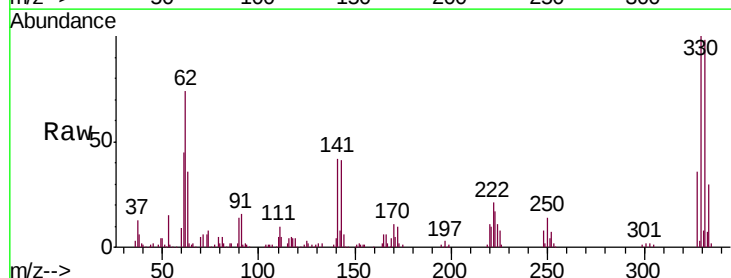
Instrument :  
BNA\_F  
ClientSampleId :  
090618-SIDI-F-D-M

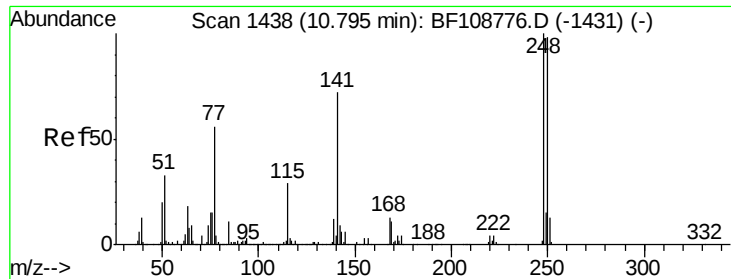
Tgt Ion:188 Resp: 377042  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 10.1 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 7.055 ng  
RT: 10.55 min Scan# 1396  
Delta R.T. 0.19 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

Tgt Ion:198 Resp: 323  
Ion Ratio Lower Upper  
198 100  
51 202.1 37.7 77.7#  
105 211.6 36.3 76.3#

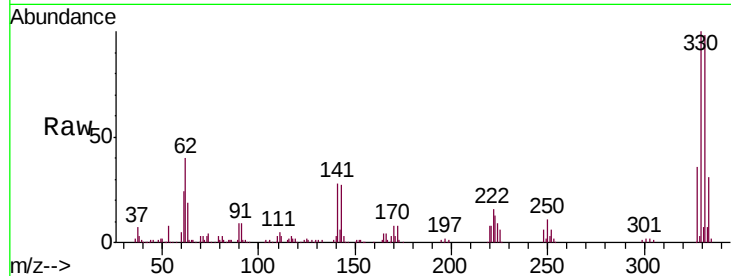




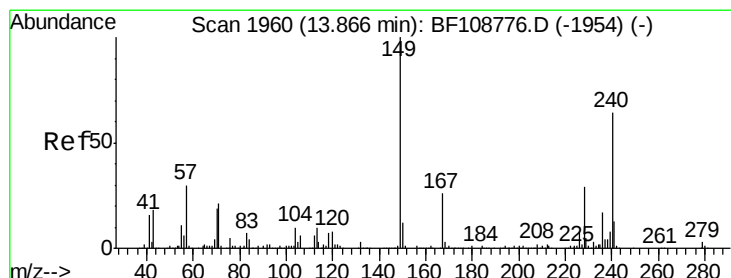
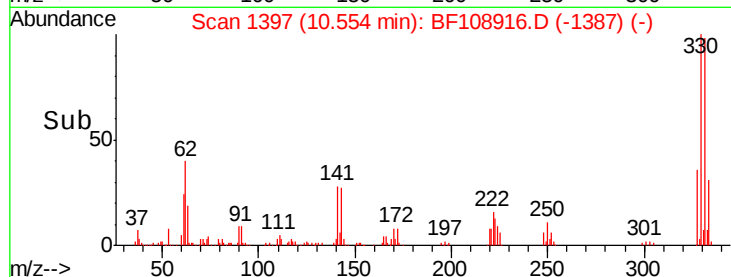
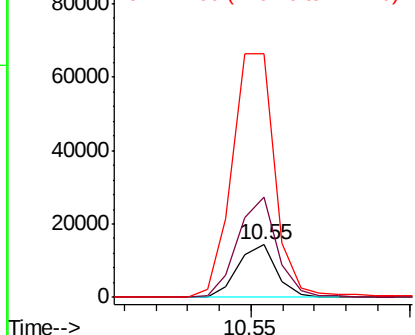
#66  
4-Bromophenyl-phenylether  
Concen: 2.834 ng  
RT: 10.55 min Scan# 1397  
Delta R.T. -0.24 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

Instrument :  
BNA\_F  
ClientSampleId :  
090618-SIDI-F-D-M

Tgt Ion:248 Resp: 12068  
Ion Ratio Lower Upper  
248 100  
250 190.1 76.9 115.3#  
141 463.1 74.4 111.6#

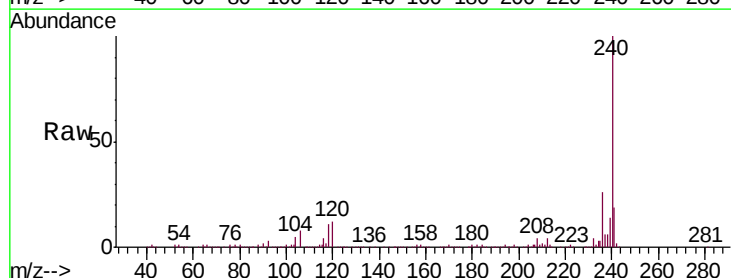


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

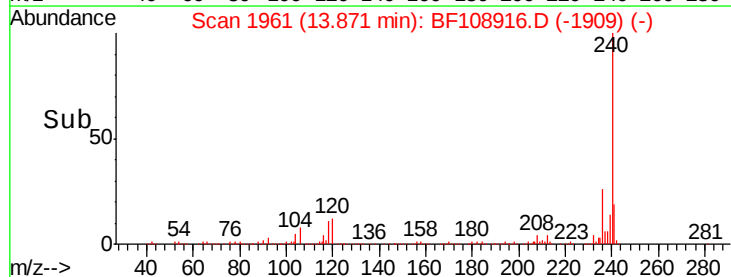
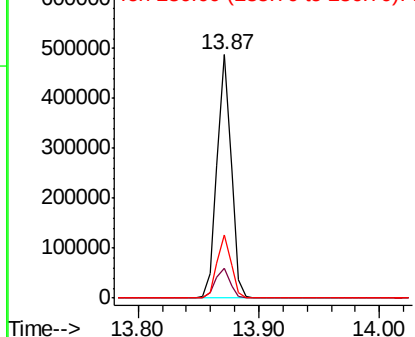


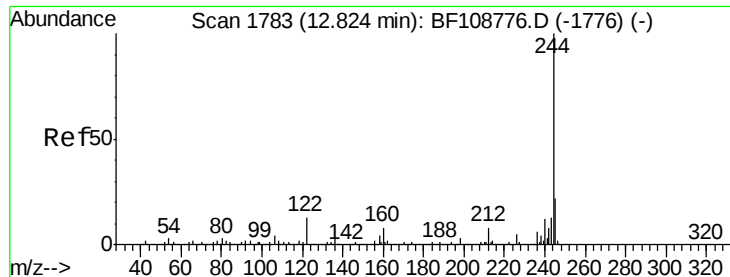
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 1961  
Delta R.T. 0.01 min  
Lab File: BF108916.D  
Acq: 11 Sep 2018 2:11

Tgt Ion:240 Resp: 391866  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.5 14.3  
236 26.0 20.7 31.1



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





#78

Terphenyl-d14

Concen: 82.062 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

Instrument :

BNA\_F

ClientSampleId :

090618-SIDI-F-D-M

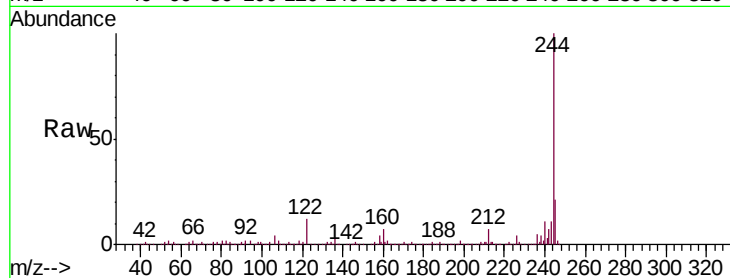
Tgt Ion:244 Resp: 1379018

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

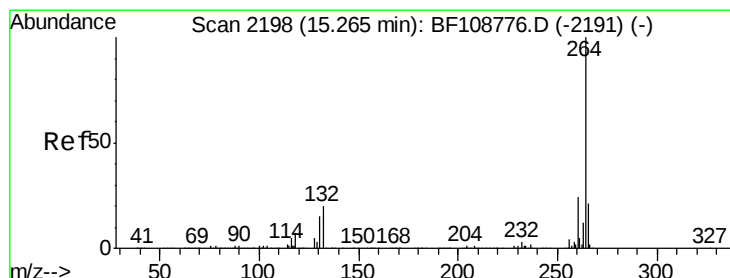
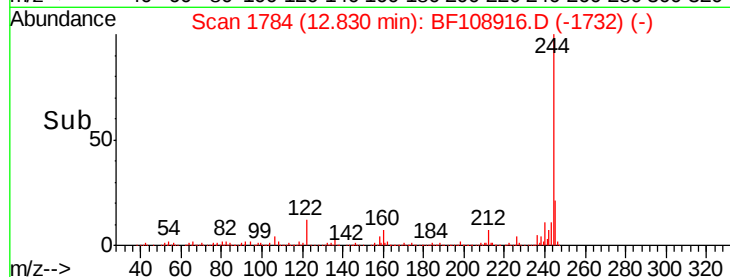
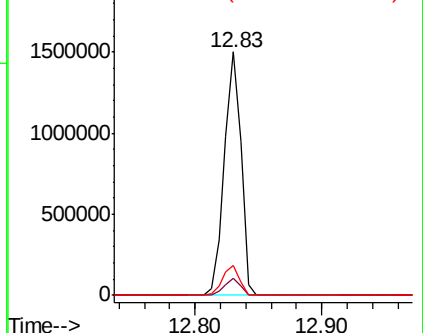
122 12.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2201

Delta R.T. 0.02 min

Lab File: BF108916.D

Acq: 11 Sep 2018 2:11

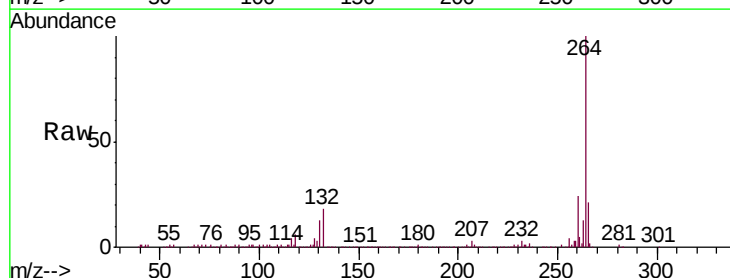
Tgt Ion:264 Resp: 271972

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.5 17.5 26.3



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

