

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100218\  
 Data File : BF109508.D  
 Acq On : 2 Oct 2018 18:14  
 Operator : JU/SJ  
 Sample : J5186-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-SIDI-F-U-S

Quant Time: Oct 03 03:08:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

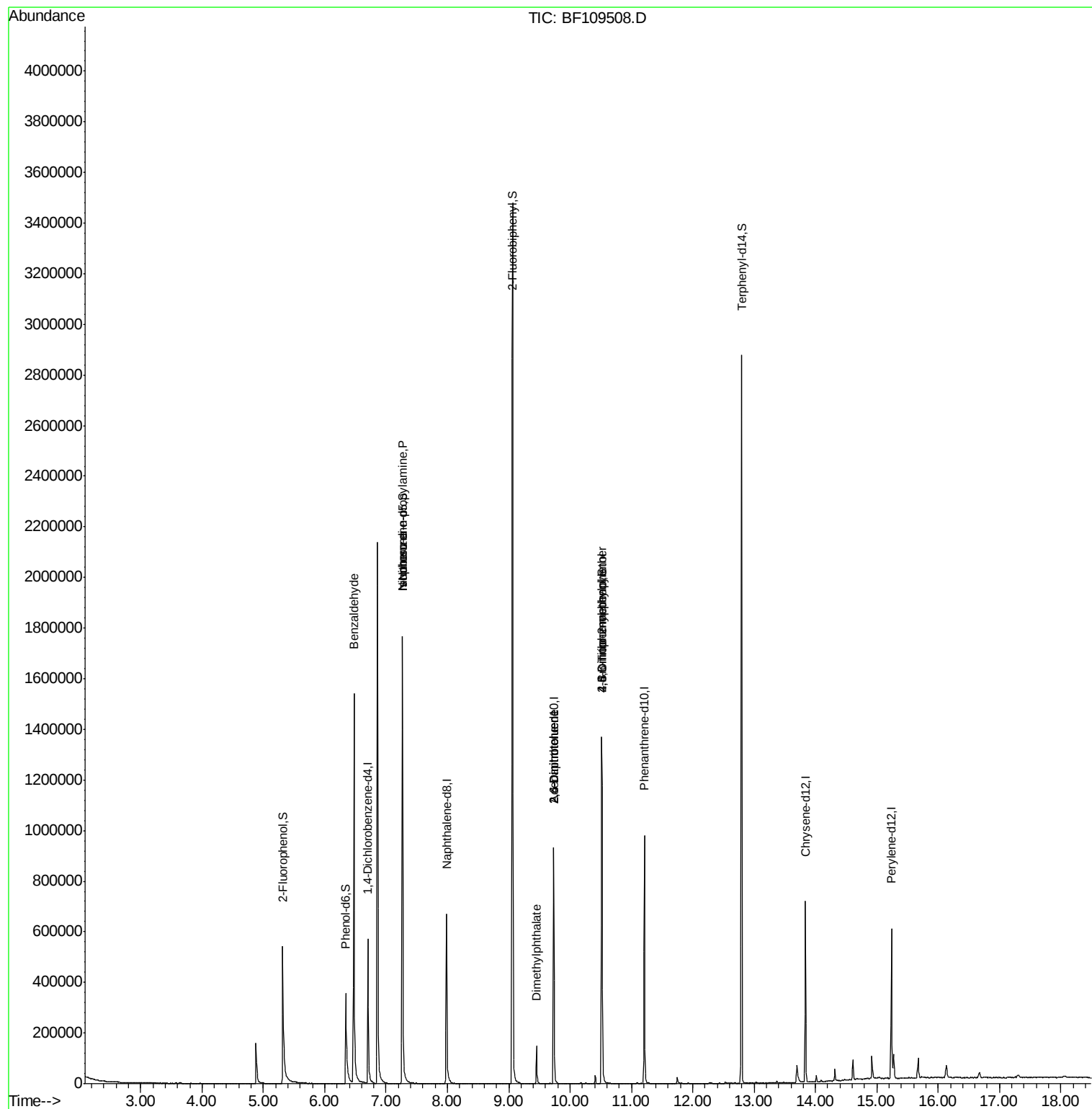
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 101900   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.99  | 136  | 391781   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.73  | 164  | 186785   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.21 | 188  | 348924   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.84 | 240  | 266115   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.24 | 264  | 261097   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 248565   | 40.18  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 196661   | 24.91  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.27  | 82   | 673179   | 101.43 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 180590   | 98.08  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 1183278  | 95.54  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.80 | 244  | 1117103  | 103.02 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.47  | 77   | 11287    | 2.226  | ng    | # 72     |
| 19) n-Nitroso-di-n-propylamine | 7.27  | 70   | 90873    | 17.567 | ng    | # 78     |
| 25) Isophorone                 | 7.27  | 82   | 644882   | 53.960 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.45  | 163  | 68730    | 5.059  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165  | 23215    | 8.628  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.73  | 165  | 23215    | 6.819  | ng    | # 22     |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 295      | 6.702  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 11265    | 2.907  | ng    | # 1      |

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

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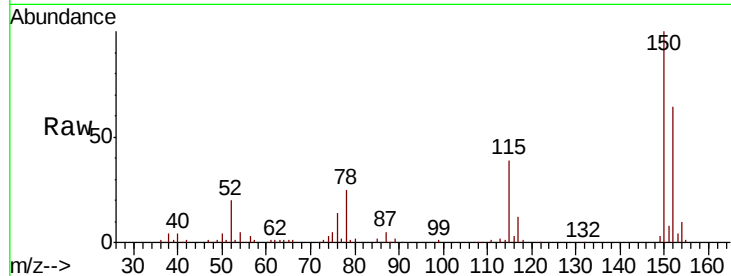




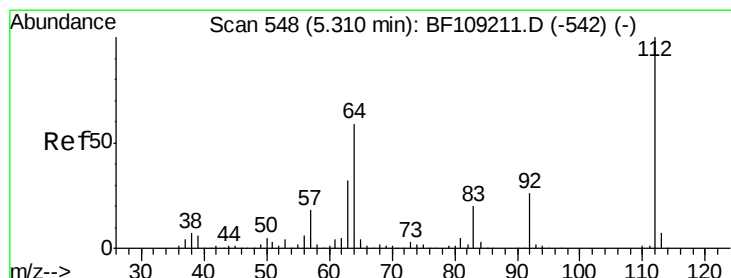
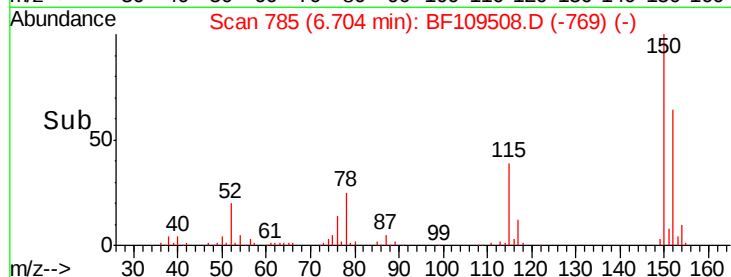
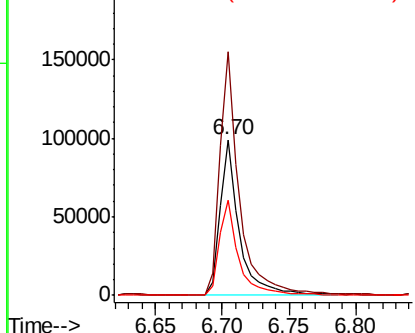
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-SIDI-F-U-S

Tgt Ion:152 Resp: 101900  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 124.6 186.8  
 115 61.2 50.1 75.1

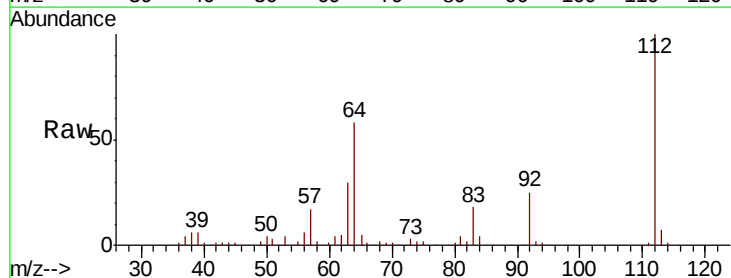


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

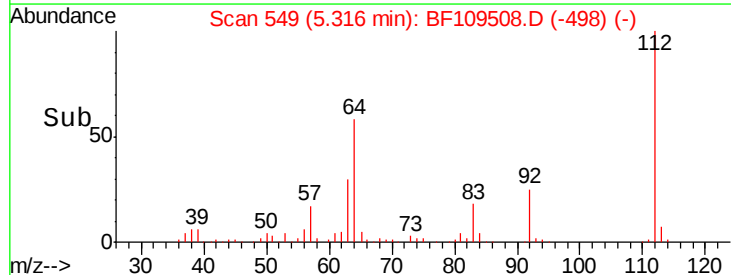
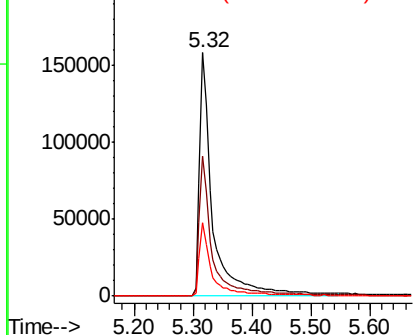


#5  
 2-Fluorophenol  
 Concen: 40.177 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. 0.00 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Tgt Ion:112 Resp: 248565  
 Ion Ratio Lower Upper  
 112 100  
 64 57.7 47.9 71.9  
 63 30.2 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: 24.911 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109508.D

Acq: 2 Oct 2018 18:14

Instrument :

BNA\_F

ClientSampleId :

092718-SIDI-F-U-S

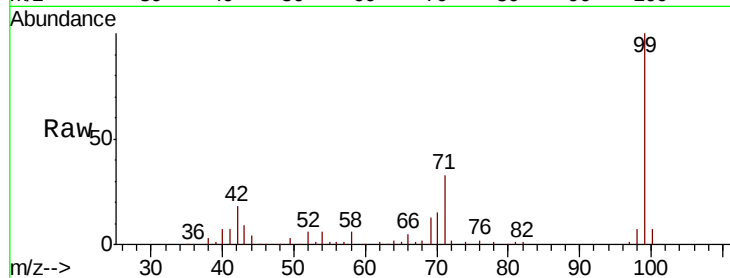
Tgt Ion: 99 Resp: 196661

Ion Ratio Lower Upper

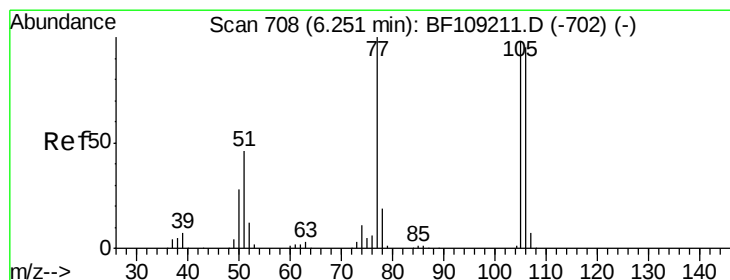
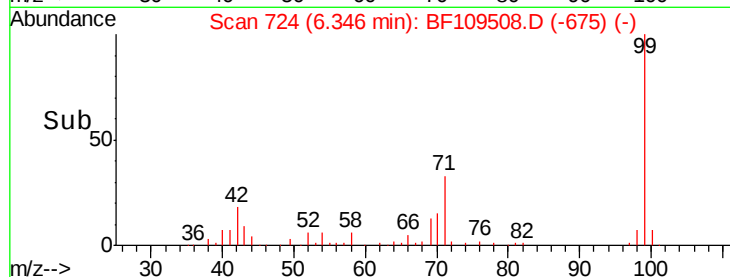
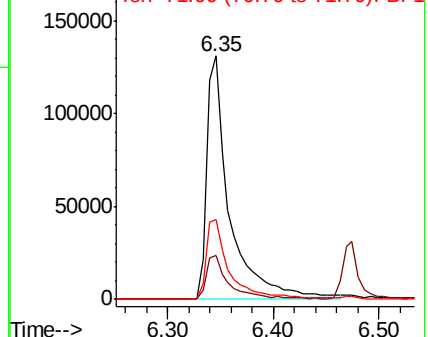
99 100

42 18.0 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.226 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109508.D

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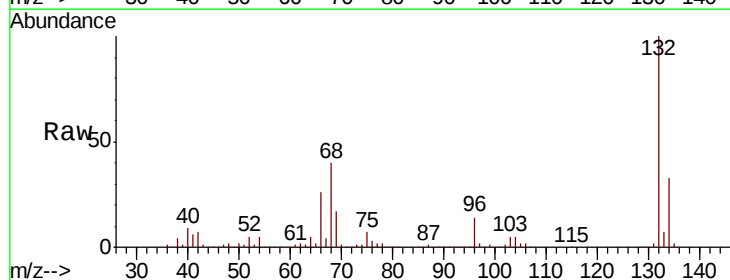
Tgt Ion: 77 Resp: 11287

Ion Ratio Lower Upper

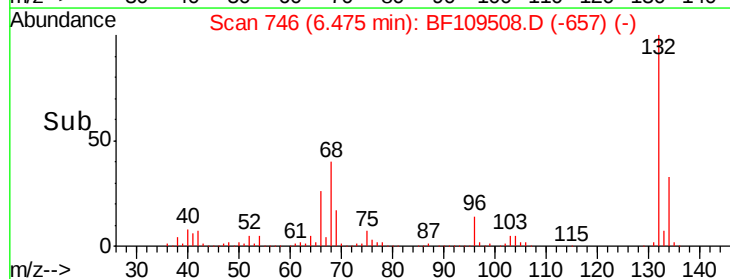
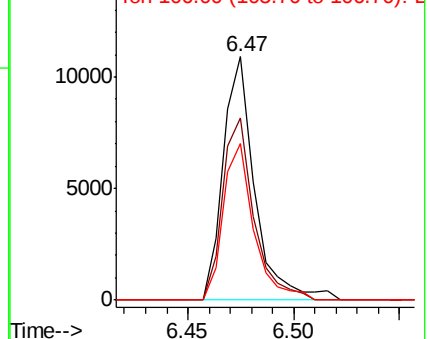
77 100

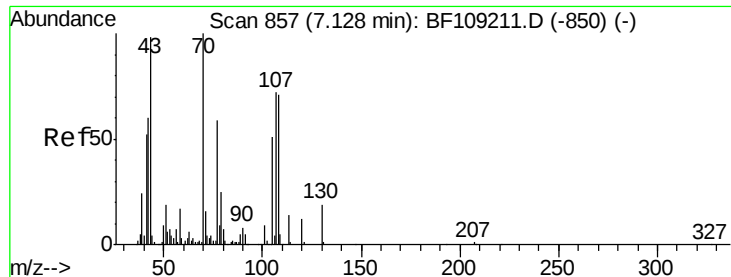
105 75.0 81.1 121.1#

106 64.4 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E

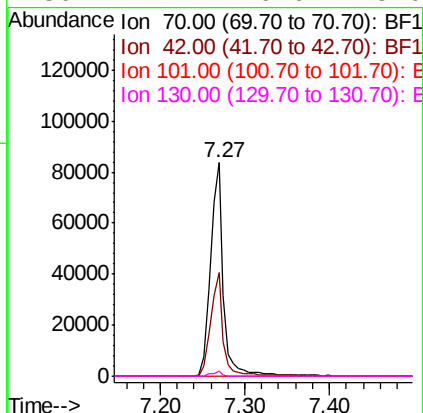
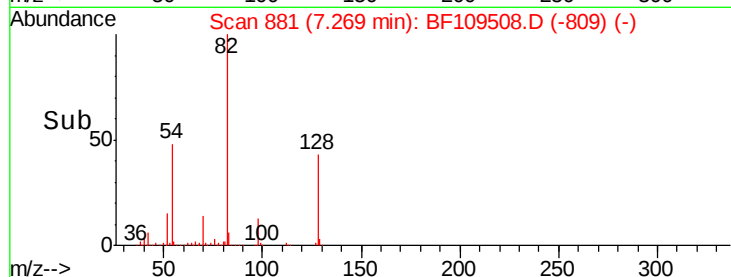
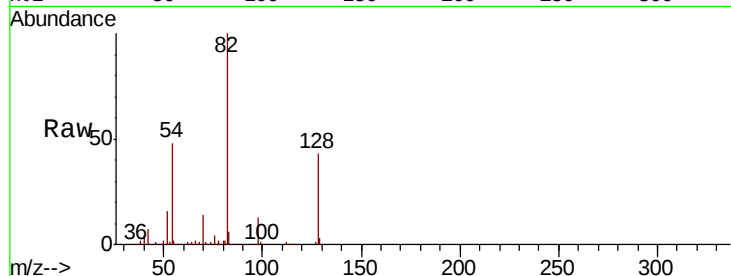




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.567 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.12 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

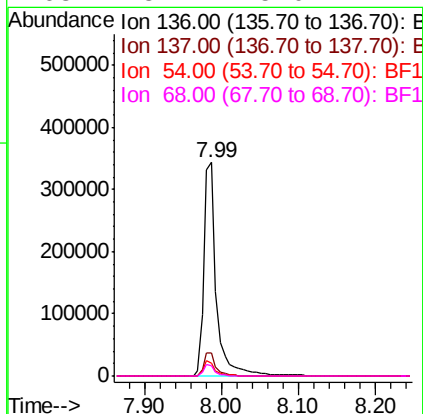
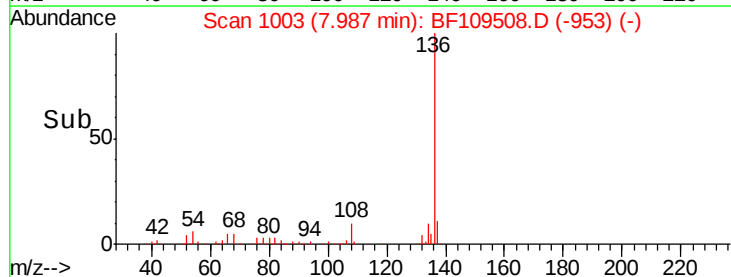
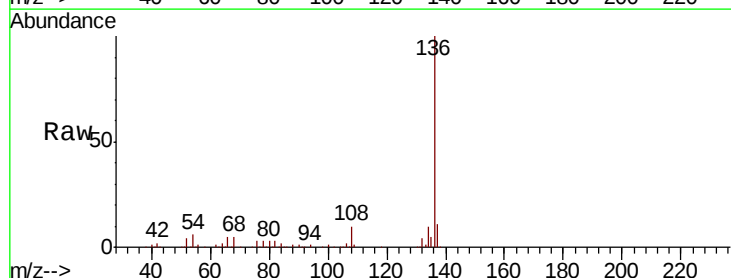
Instrument :  
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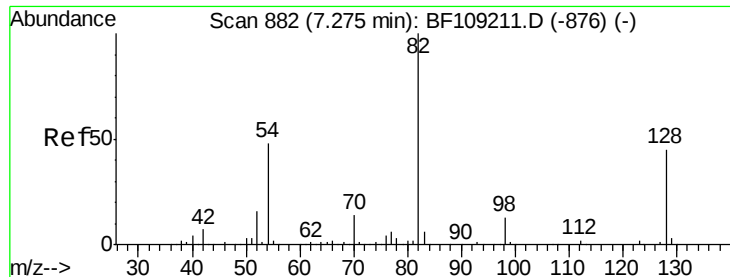
Tgt Ion: 70 Resp: 90873  
Ion Ratio Lower Upper  
70 100  
42 48.5 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

Tgt Ion: 136 Resp: 391781  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 6.2 6.6 9.8#  
68 5.1 5.0 7.4

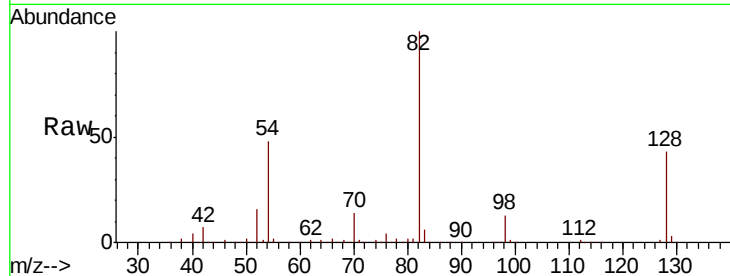




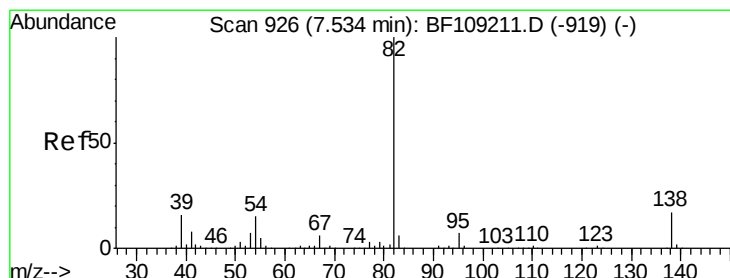
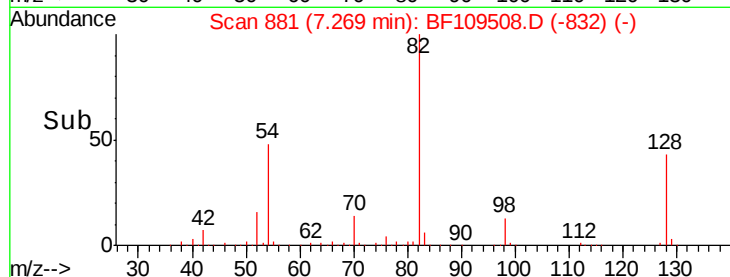
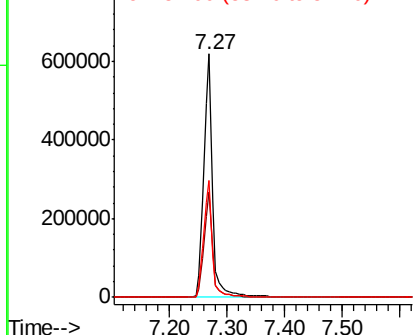
#23  
 Nitrobenzene-d5  
 Concen: 101.431 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-SIDI-F-U-S

Tgt Ion: 82 Resp: 673179  
 Ion Ratio Lower Upper  
 82 100  
 128 43.5 36.1 54.1  
 54 47.8 41.4 62.2

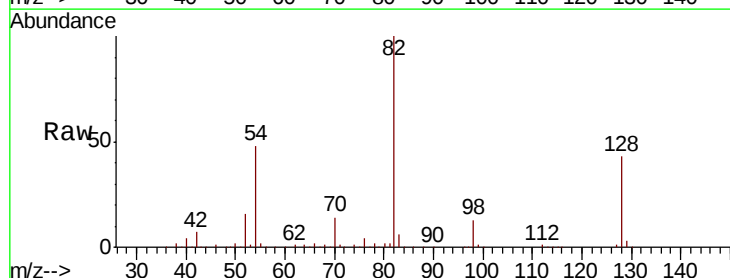


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

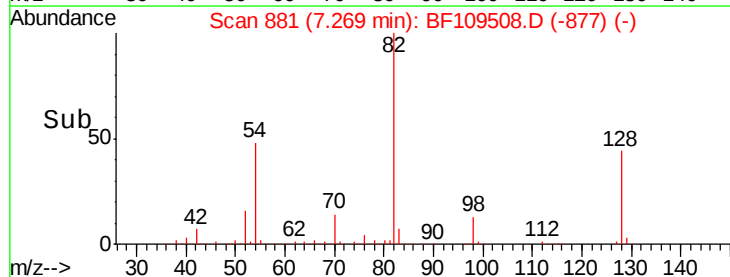
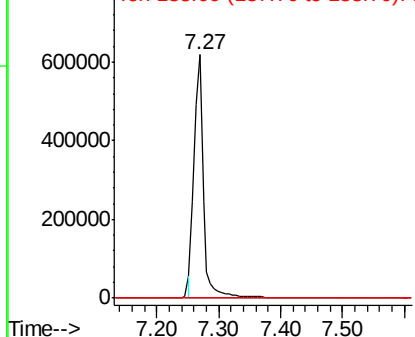


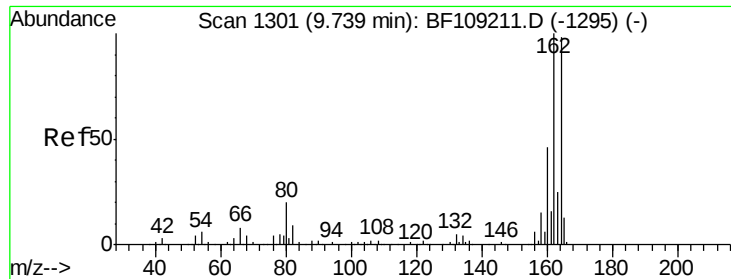
#25  
 Isophorone  
 Concen: 53.960 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.28 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Tgt Ion: 82 Resp: 644882  
 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

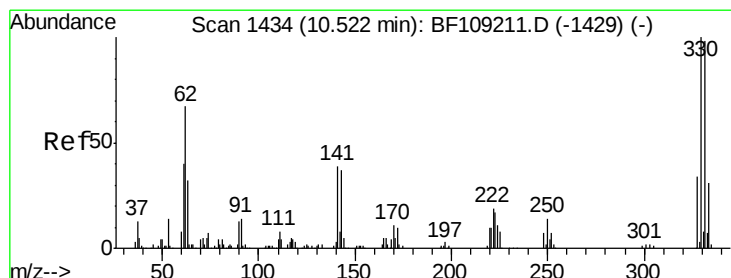
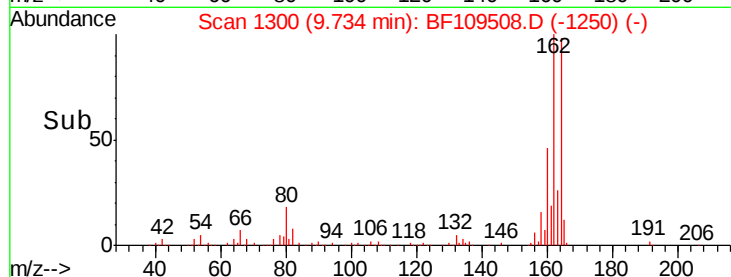
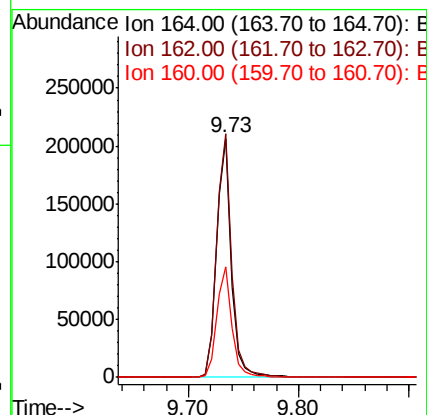
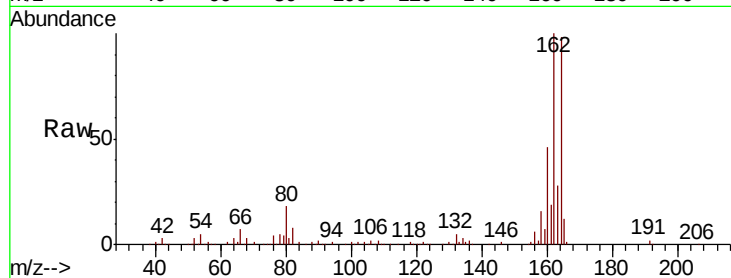




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

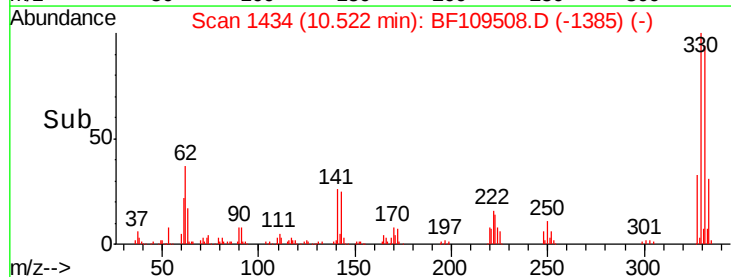
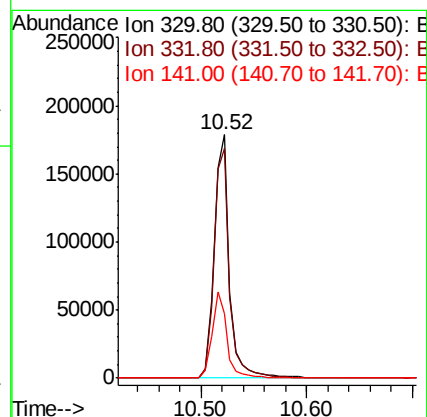
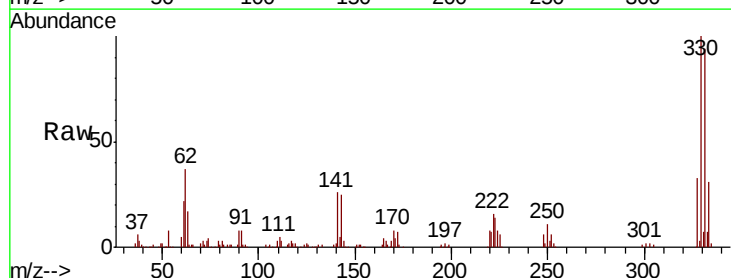
Instrument :  
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 ClientSampleId :  
 092718-SIDI-F-U-S

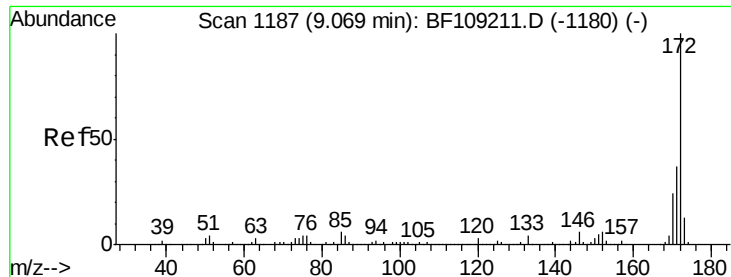
Tgt Ion:164 Resp: 186785  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 86.1 129.1  
 160 46.4 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 98.077 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Tgt Ion:330 Resp: 180590  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 33.9 29.9 44.9

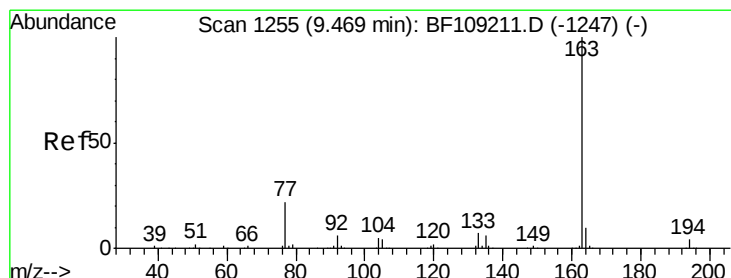
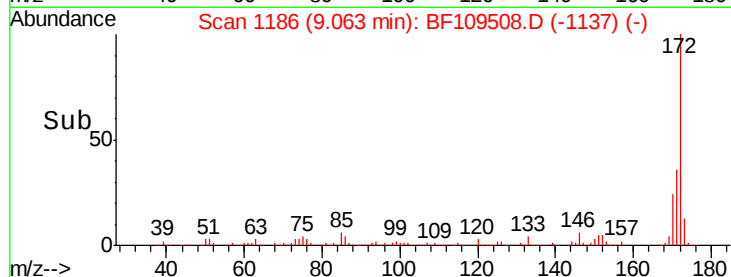
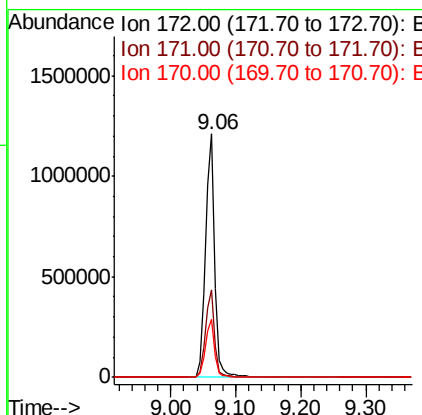
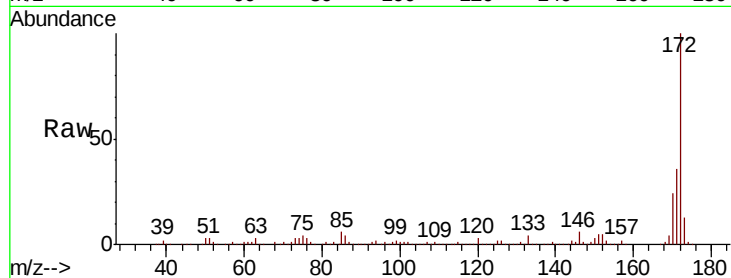




#44  
2-Fluorobiphenyl  
Concen: 95.544 ng  
RT: 9.06 min Scan# 1186  
Delta R.T. -0.01 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

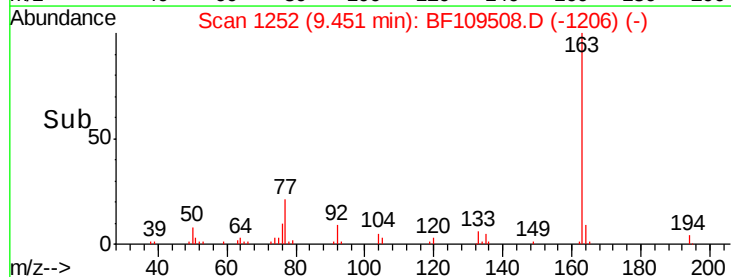
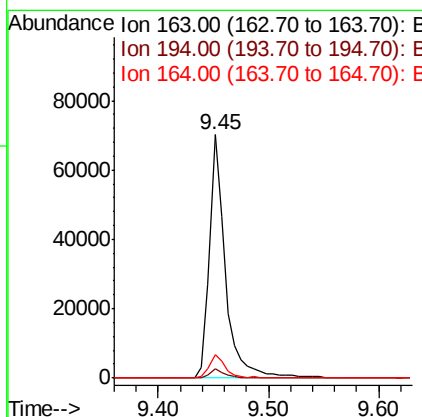
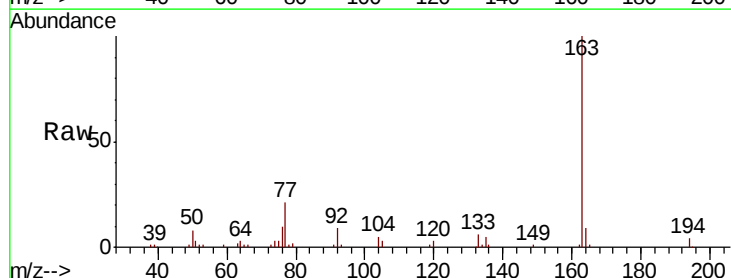
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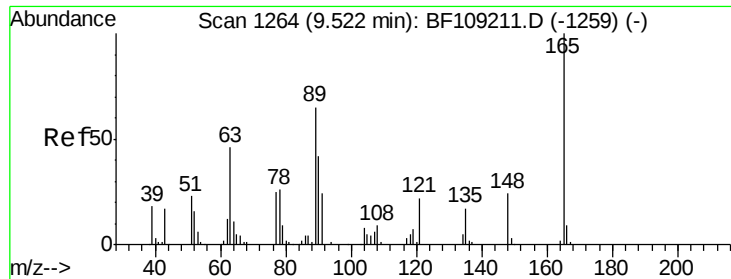
Tgt Ion:172 Resp: 1183278  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.7 44.5  
170 23.7 19.6 29.4



#49  
Dimethylphthalate  
Concen: 5.059 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.03 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

Tgt Ion:163 Resp: 68730  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.4 8.2 12.2

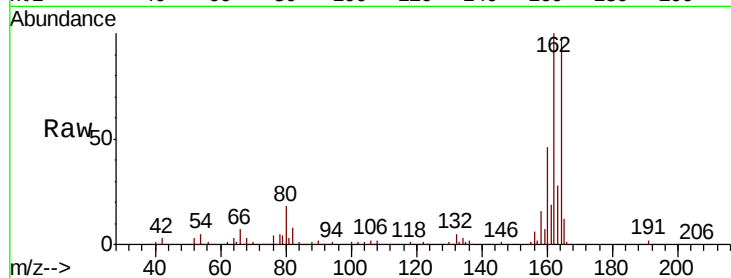




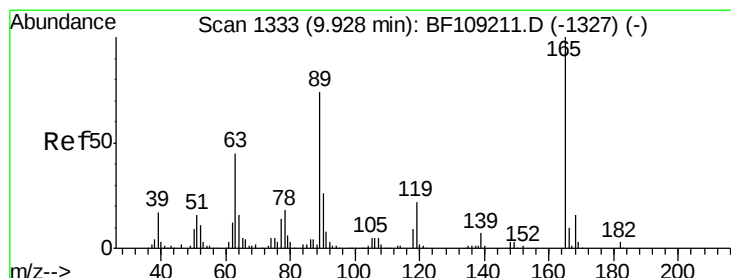
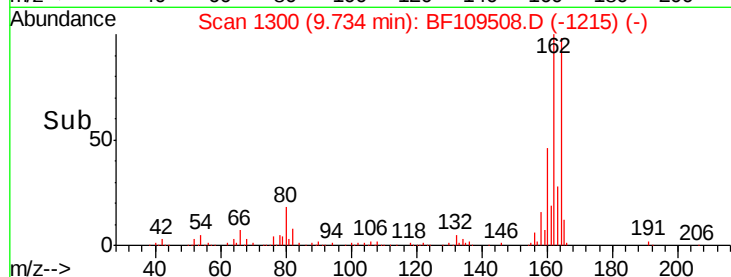
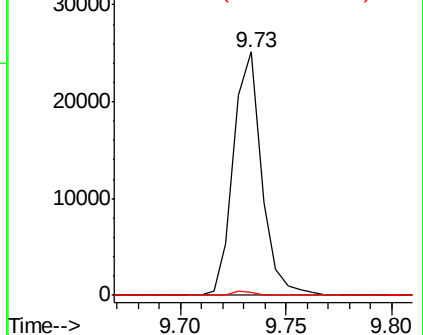
#50  
 2,6-Dinitrotoluene  
 Concen: 8.628 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. 0.20 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-SIDI-F-U-S

Tgt Ion:165 Resp: 23215  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 1.4 44.0 66.0#

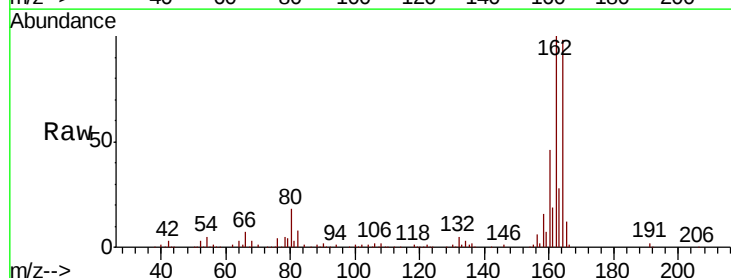


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

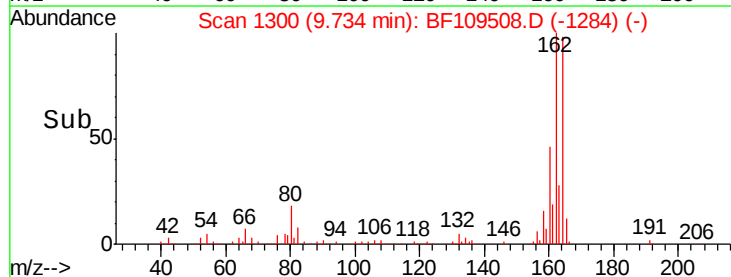
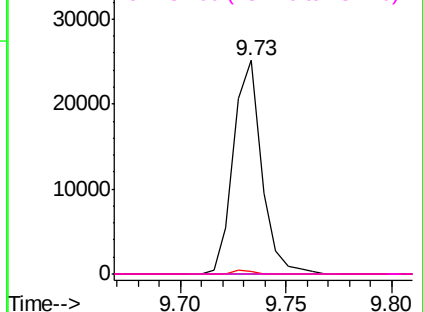


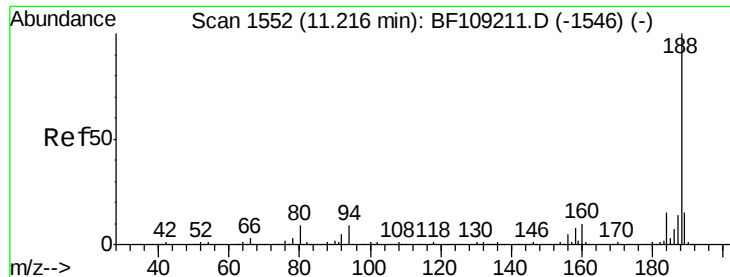
#56  
 2,4-Dinitrotoluene  
 Concen: 6.819 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.21 min  
 Lab File: BF109508.D  
 Acq: 2 Oct 2018 18:14

Tgt Ion:165 Resp: 23215  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.4 54.6#  
 89 1.4 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

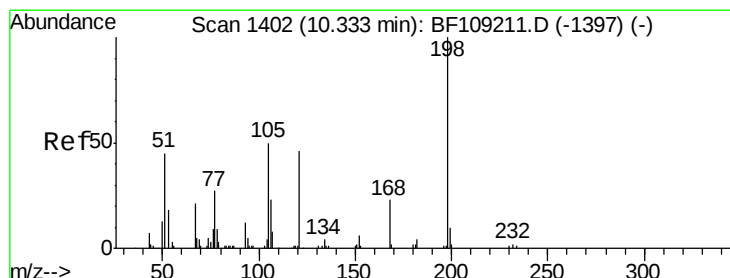
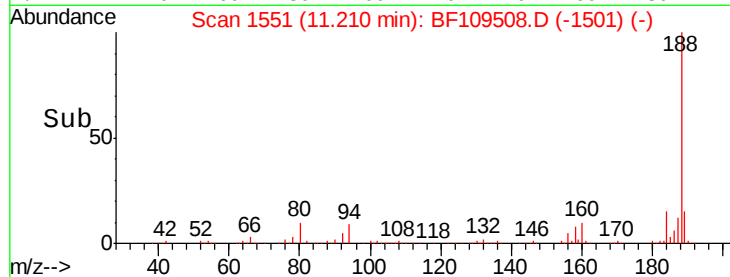
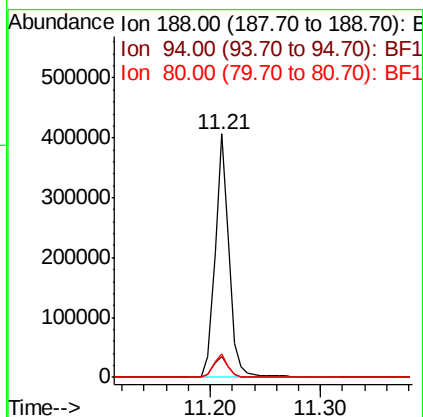
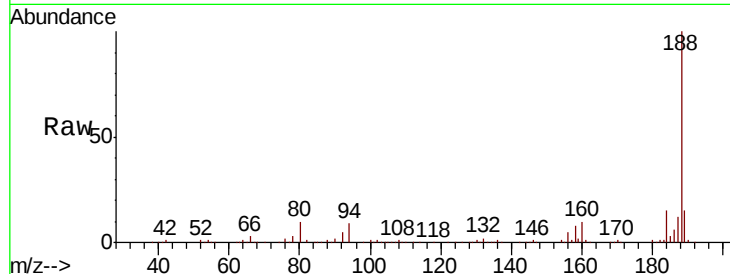




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

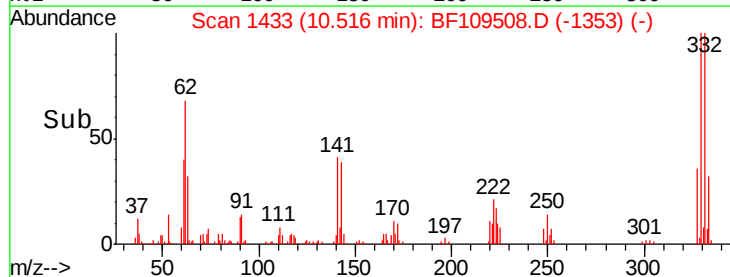
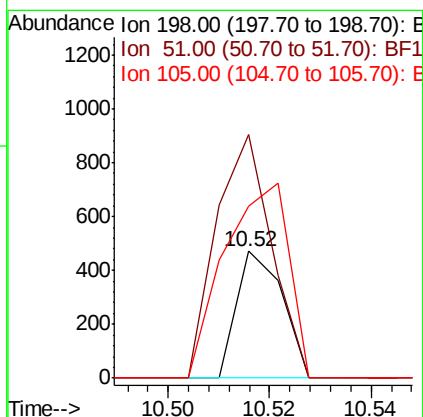
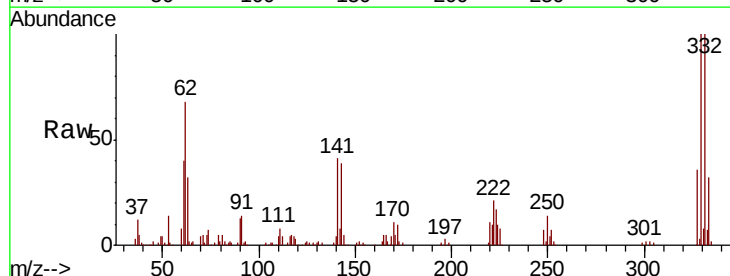
Instrument :  
BNA\_F  
ClientSampleId :  
092718-SIDI-F-U-S

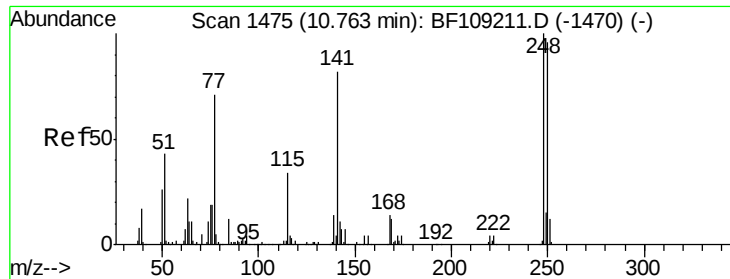
Tgt Ion:188 Resp: 348924  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.5 12.7  
80 9.7 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 6.702 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.17 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

Tgt Ion:198 Resp: 295  
Ion Ratio Lower Upper  
198 100  
51 192.3 37.7 77.7#  
105 135.7 36.3 76.3#

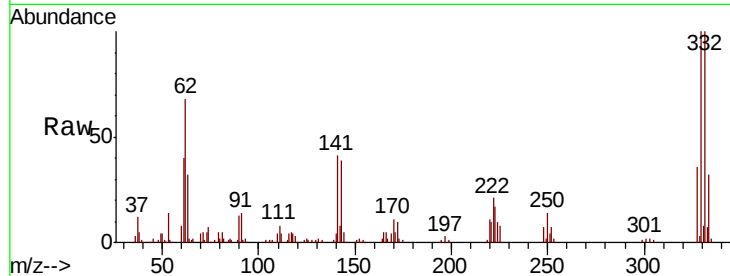




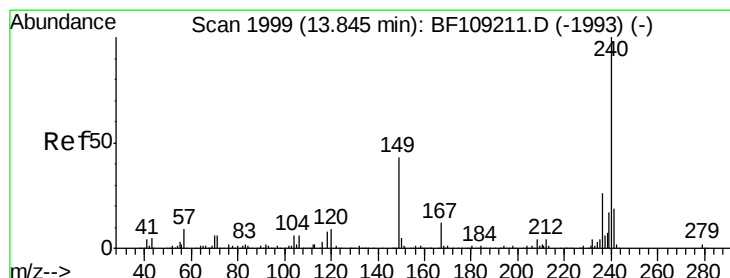
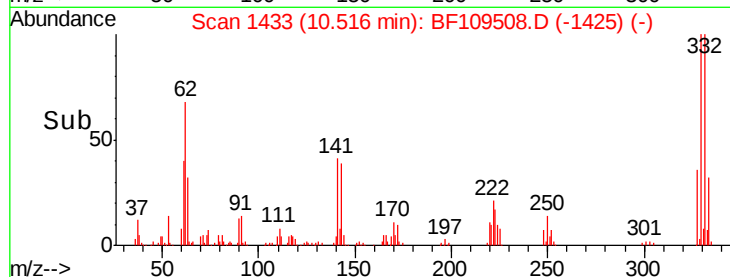
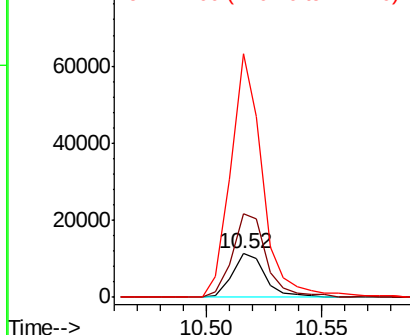
#66  
4-Bromophenyl-phenylether  
Concen: 2.907 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.25 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

Instrument :  
BNA\_F  
ClientSampleId :  
092718-SIDI-F-U-S

Tgt Ion:248 Resp: 11265  
Ion Ratio Lower Upper  
248 100  
250 192.2 76.9 115.3#  
141 562.0 74.4 111.6#

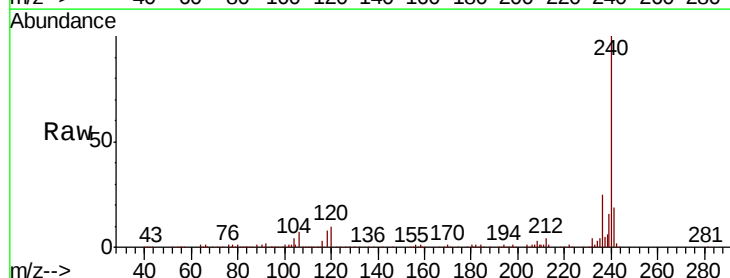


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

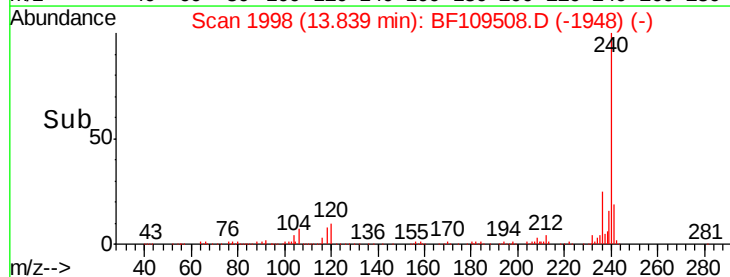
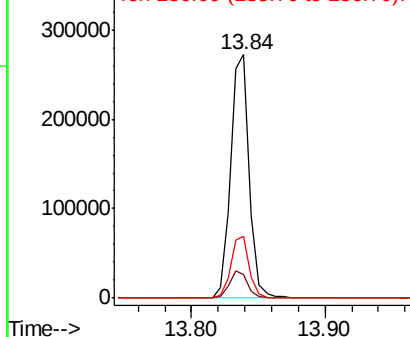


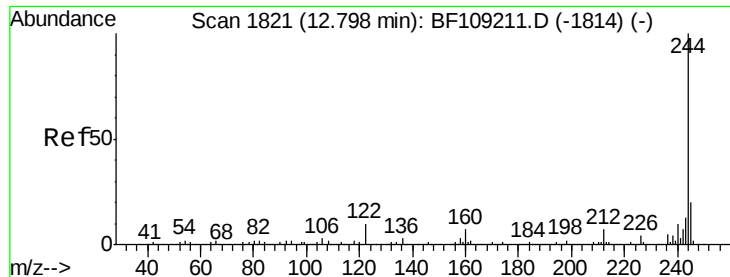
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF109508.D  
Acq: 2 Oct 2018 18:14

Tgt Ion:240 Resp: 266115  
Ion Ratio Lower Upper  
240 100  
120 9.7 9.5 14.3  
236 25.2 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: 103.021 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109508.D

Acq: 2 Oct 2018 18:14

Instrument :

BNA\_F

ClientSampleId :

092718-SIDI-F-U-S

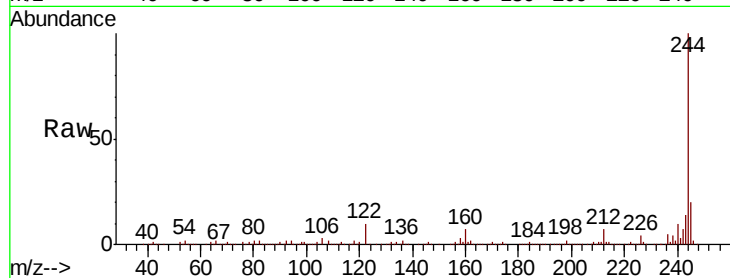
Tgt Ion:244 Resp: 1117103

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

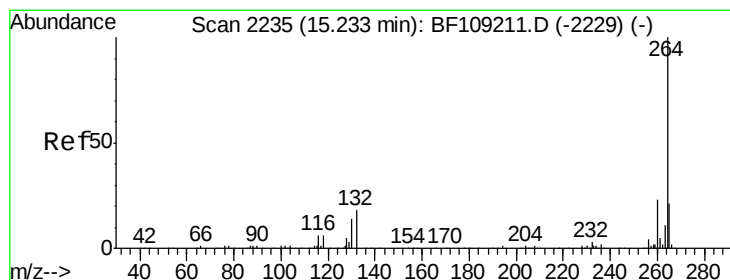
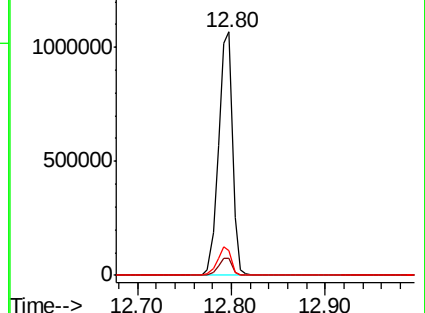
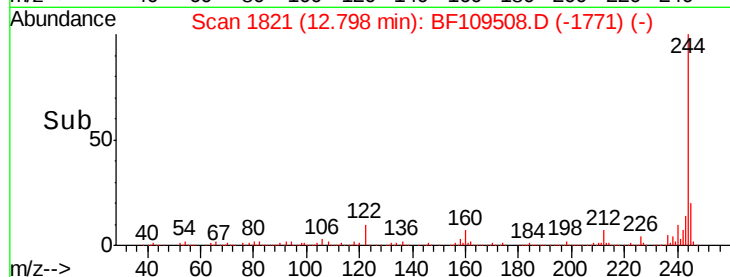
122 10.2 11.0 16.4#



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: 15.24 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF109508.D

Acq: 2 Oct 2018 18:14

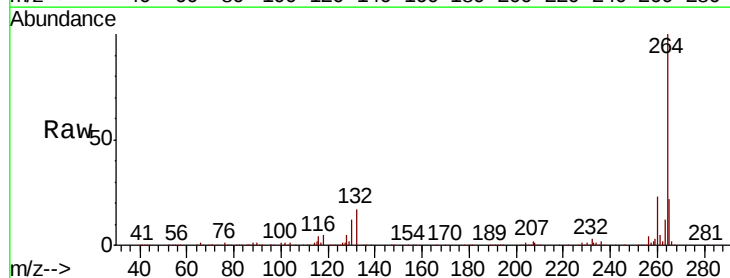
Tgt Ion:264 Resp: 261097

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.6 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

