

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\  
 Data File : BF109638.D  
 Acq On : 6 Oct 2018 5:01  
 Operator : JU/SJ  
 Sample : J5264-06  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100318-SIDI-E-U-S

Quant Time: Oct 06 07:16:51 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  | 104686   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.98  | 136  | 400203   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.73  | 164  | 165427   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 259073   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 243367   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 192918   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 220161   | 34.64  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 167807   | 20.69  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 643926   | 94.98  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 124871   | 76.57  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1110538  | 101.25 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.79 | 244  | 781834   | 78.84  | ng    | -0.02    |

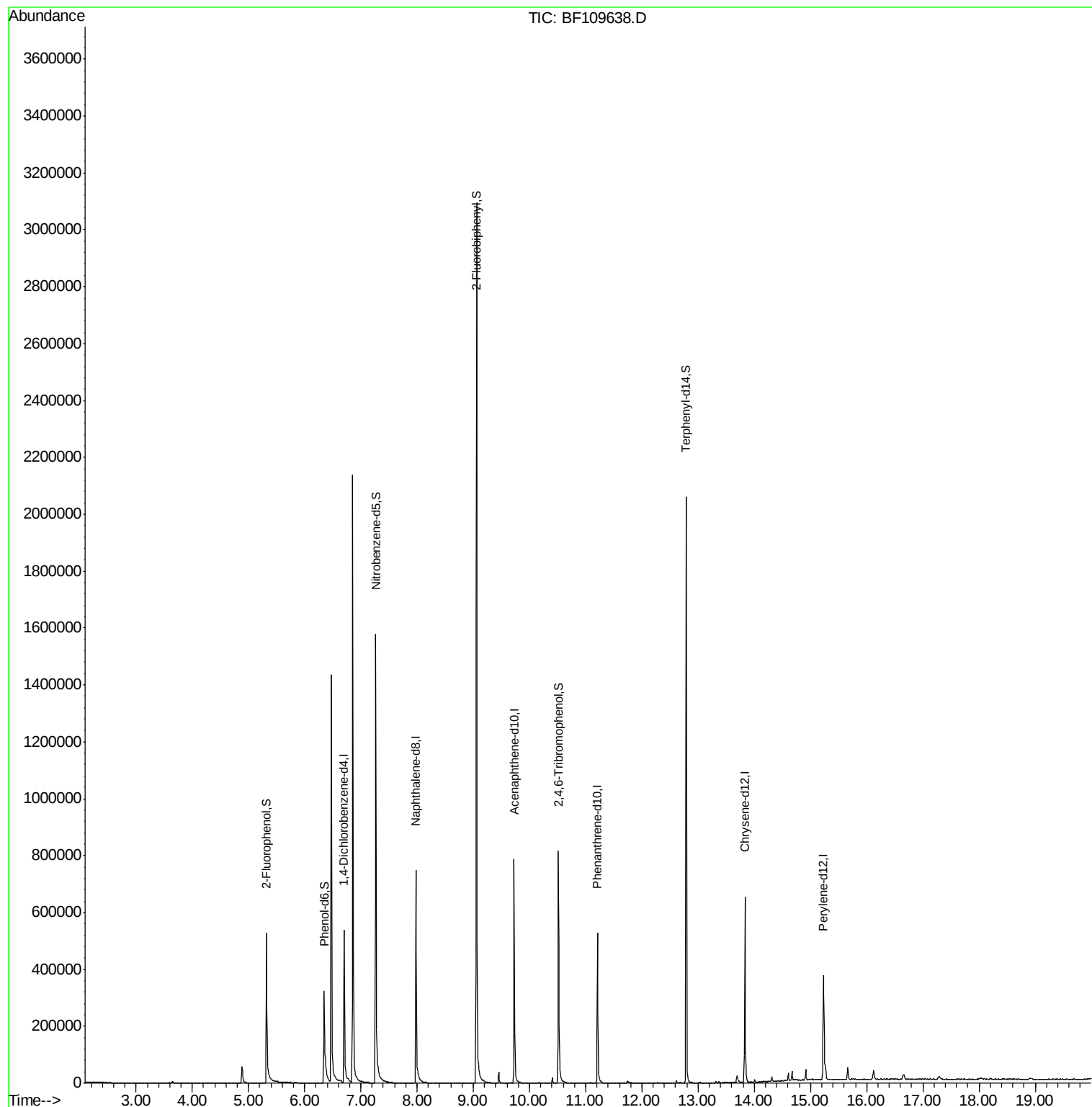
Target Compounds Qvalue

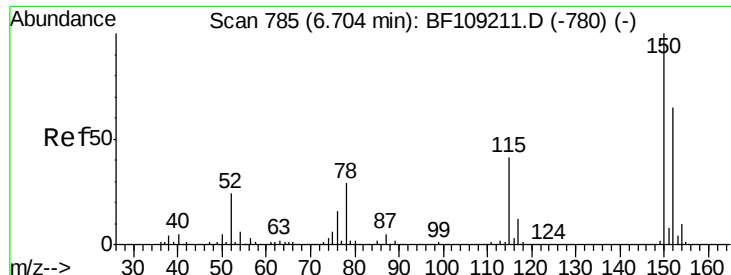
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5264-06  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
100318-SIDI-E-U-S

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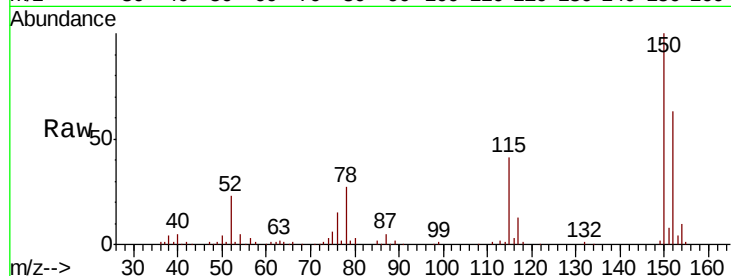


#1

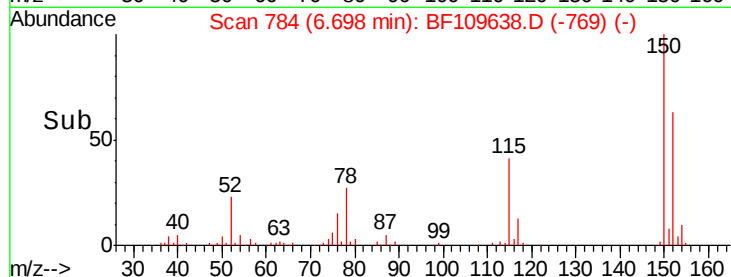
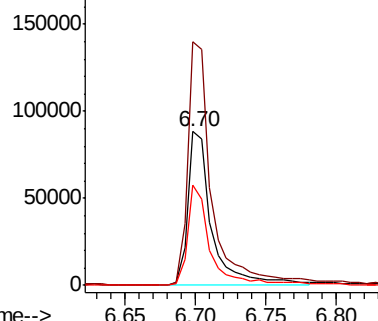
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Instrument :  
BNA\_F  
ClientSampleId :  
100318-SIDI-E-U-S

Tot Ion:152 Resp: 104686  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.6 186.8  
115 64.7 50.1 75.1



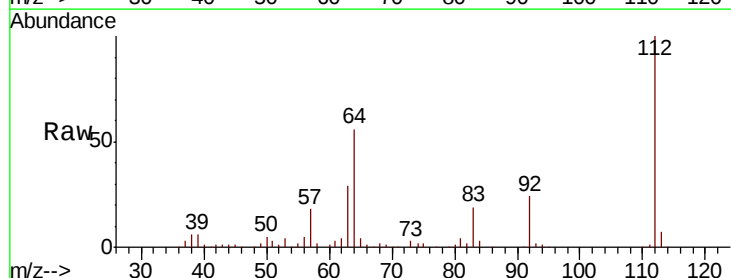
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



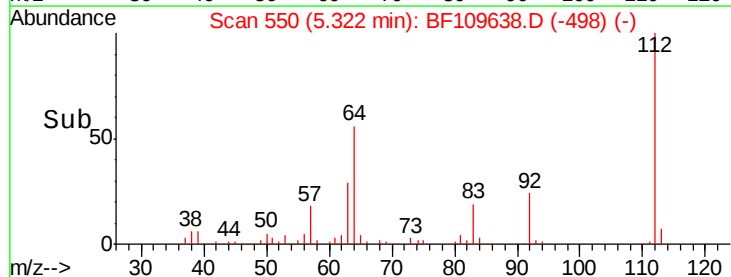
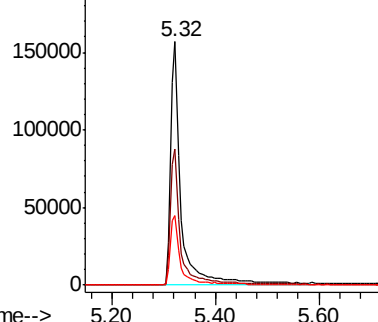
#5

2-Fluorophenol  
Concen: 34.639 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Tgt Ion:112 Resp: 220161  
Ion Ratio Lower Upper  
112 100  
64 55.8 47.9 71.9  
63 28.6 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: 20.691 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109638.D

Acq: 6 Oct 2018 5:01

Instrument :

BNA\_F

ClientSampleId :

100318-SIDI-E-U-S

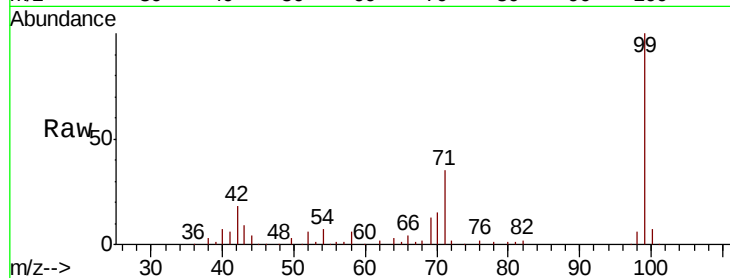
Tot Ion: 99 Resp: 167807

Ion Ratio Lower Upper

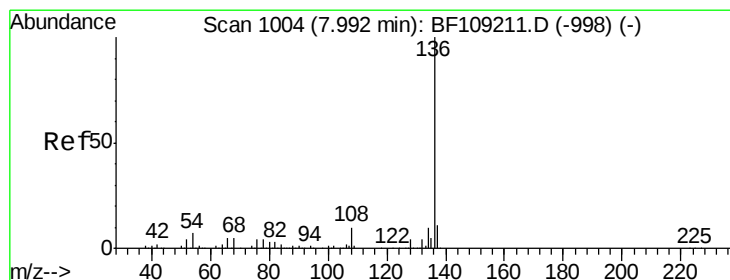
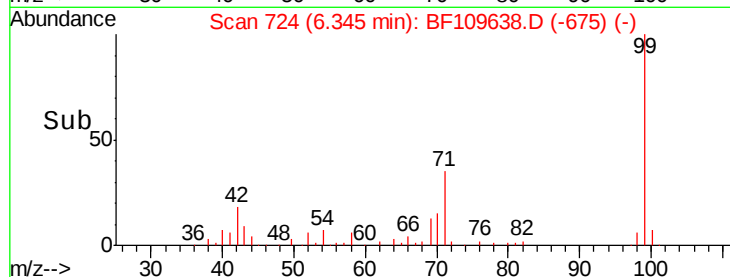
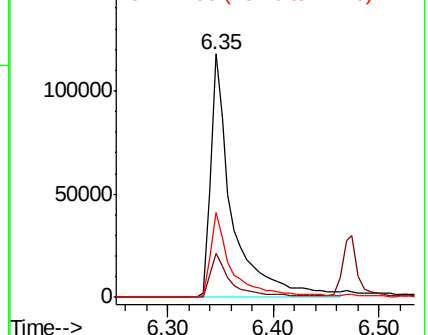
99 100

42 18.3 14.5 21.7

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109638.D

Acq: 6 Oct 2018 5:01

Tgt Ion: 136 Resp: 400203

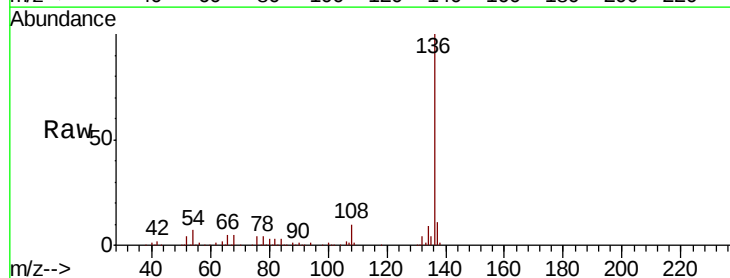
Ion Ratio Lower Upper

136 100

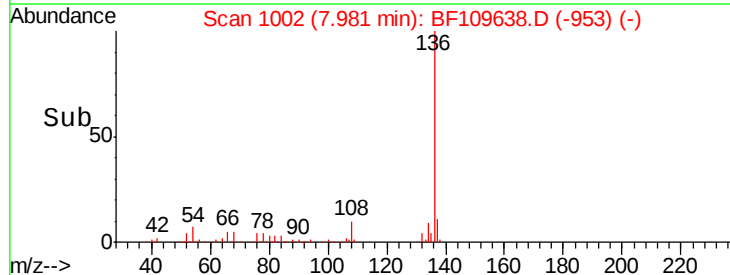
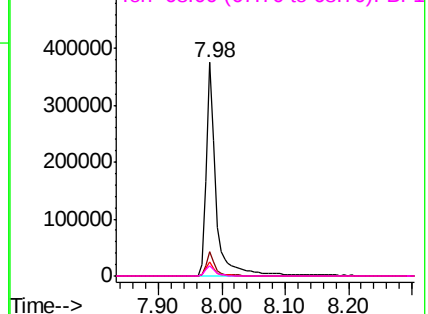
137 11.4 8.9 13.3

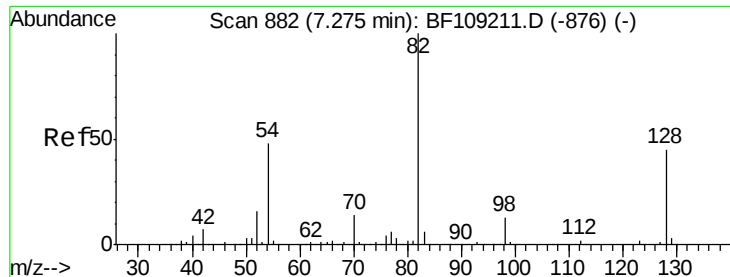
54 6.8 6.6 9.8

68 5.1 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

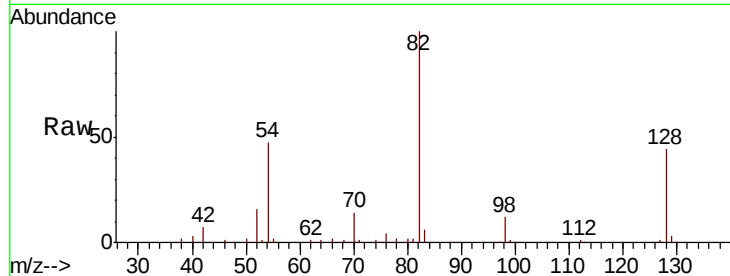




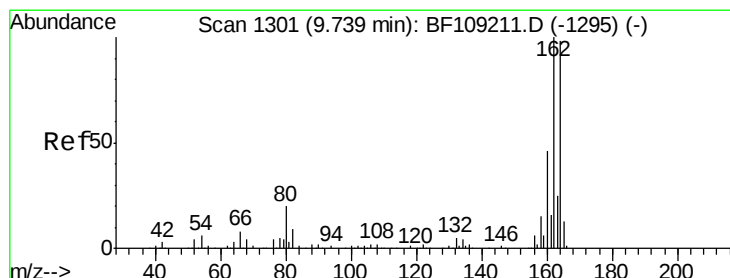
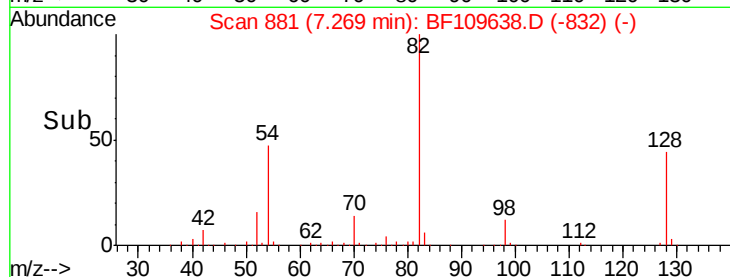
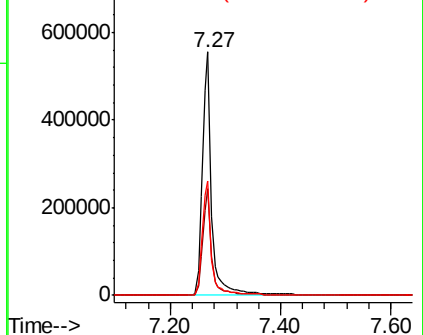
#23  
Nitrobenzene-d5  
Concen: 94.982 ng  
RT: 7.27 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Instrument :  
BNA\_F  
ClientSampleId :  
100318-SIDI-E-U-S

Tot Ion: 82 Resp: 643926  
Ion Ratio Lower Upper  
82 100  
128 43.6 36.1 54.1  
54 47.1 41.4 62.2

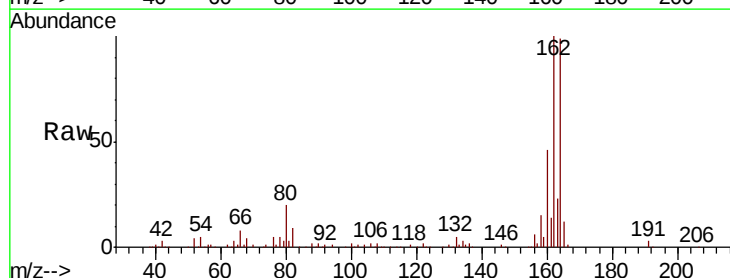


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

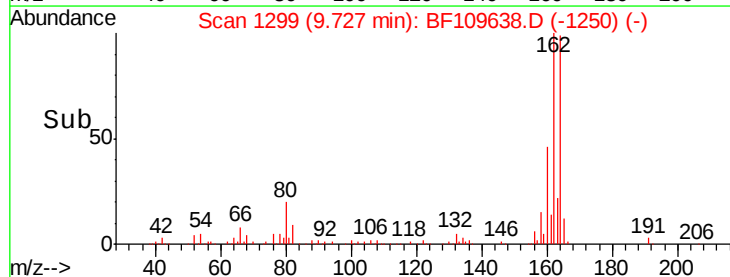
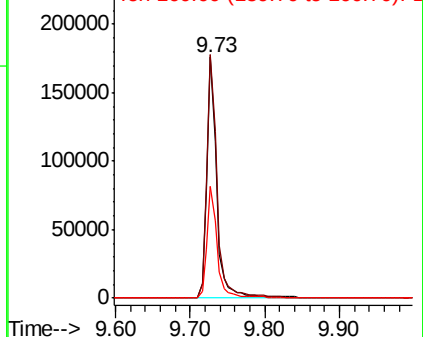


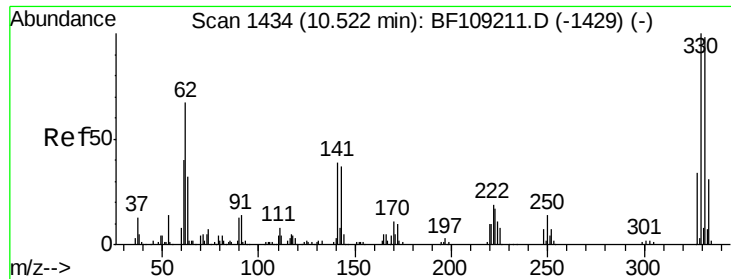
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Tgt Ion:164 Resp: 165427  
Ion Ratio Lower Upper  
164 100  
162 101.2 86.1 129.1  
160 46.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

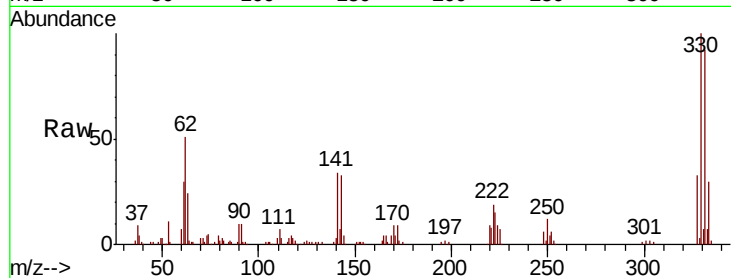




#41  
 2,4,6-Tribromophenol  
 Concen: 76.572 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109638.D  
 Acq: 6 Oct 2018 5:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100318-SIDI-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.0  | 115.6 |
| 141     | 34.0  | 29.9  | 44.9  |

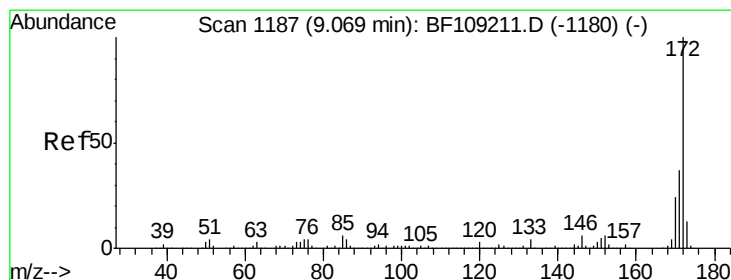
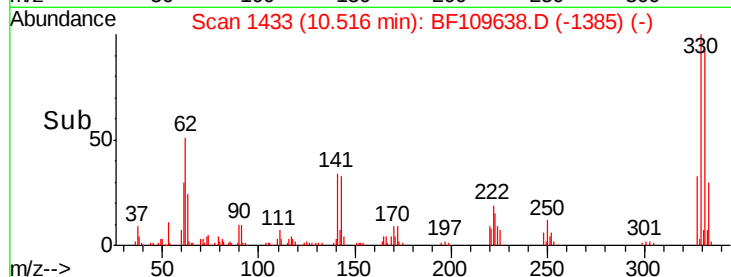
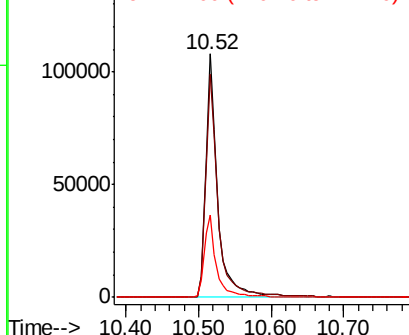


Abundance

Ion 329.80 (329.50 to 330.50): E

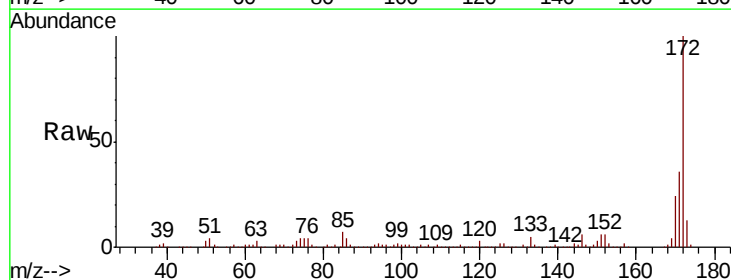
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 101.247 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF109638.D  
 Acq: 6 Oct 2018 5:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 24.2  | 19.6  | 29.4  |

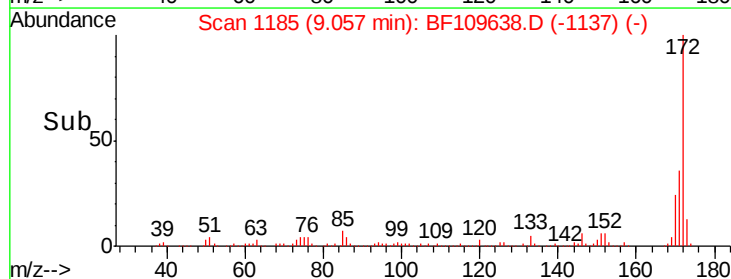
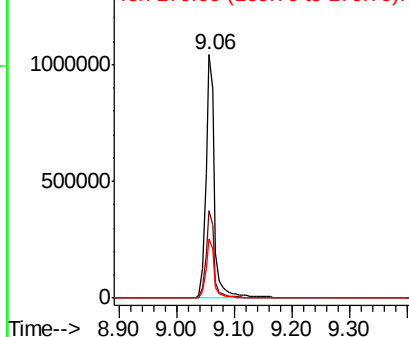


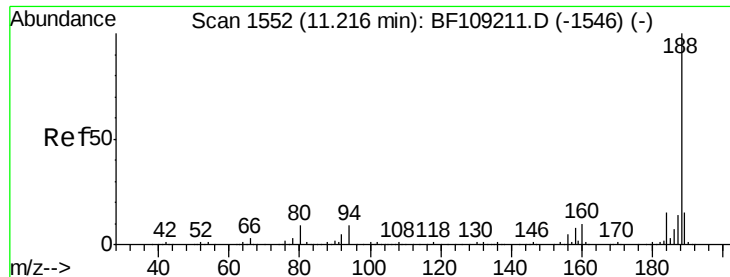
Abundance

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

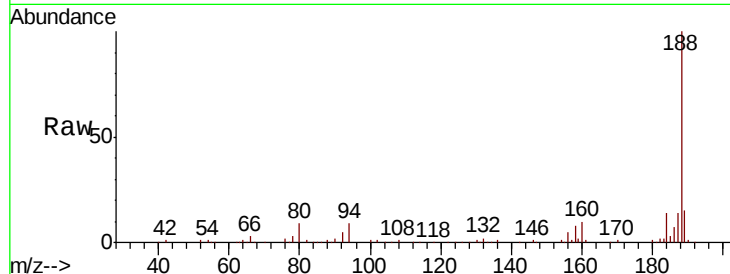




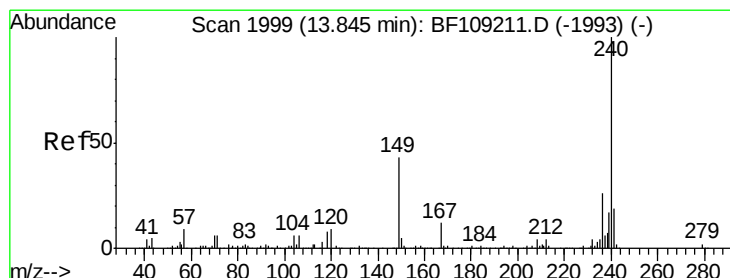
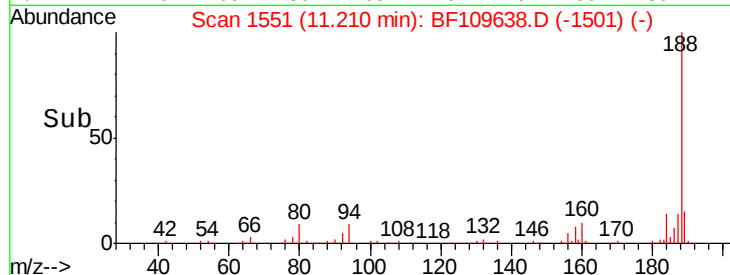
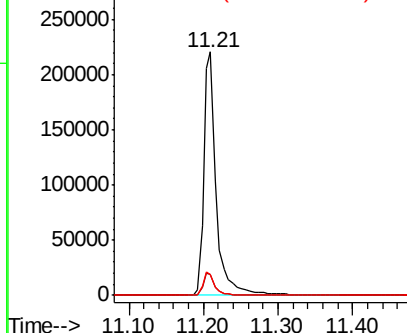
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Instrument :  
BNA\_F  
ClientSampleId :  
100318-SIDI-E-U-S

Tot Ion:188 Resp: 259073  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 8.7 9.2 13.8#

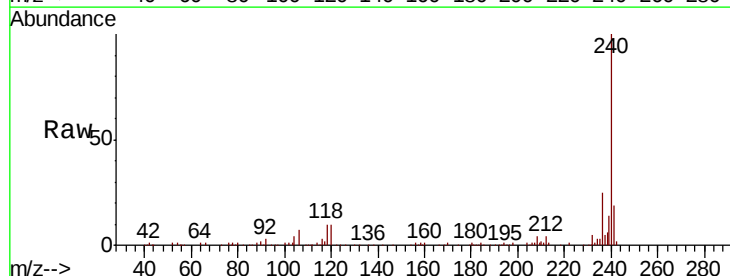


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

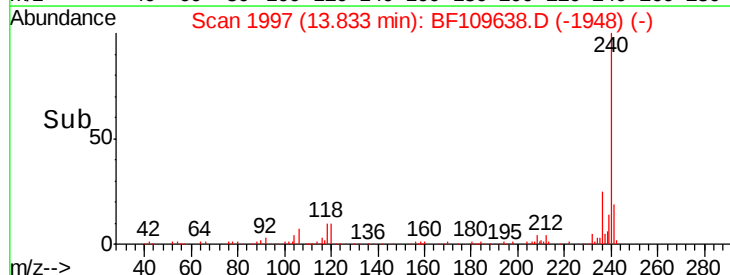
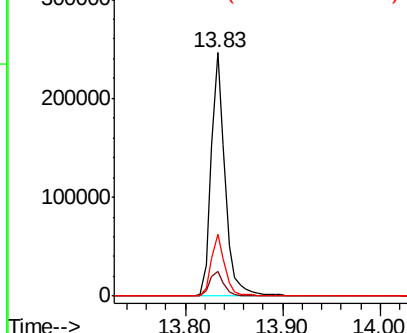


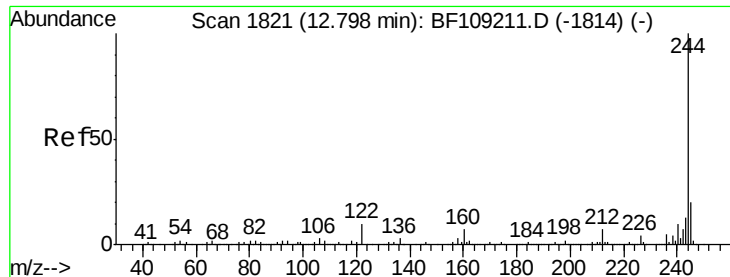
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.01 min  
Lab File: BF109638.D  
Acq: 6 Oct 2018 5:01

Tgt Ion:240 Resp: 243367  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.5 14.3  
236 25.3 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: 78.842 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109638.D

Acq: 6 Oct 2018 5:01

Instrument :

BNA\_F

ClientSampleId :

100318-SIDI-E-U-S

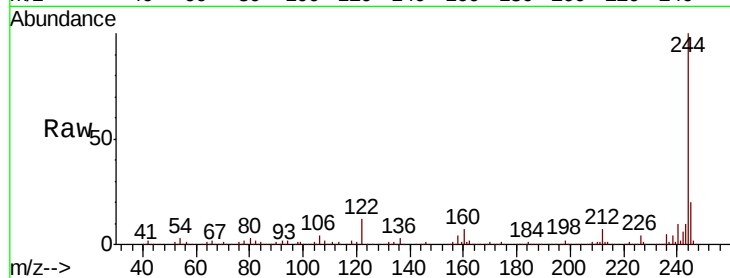
Tot Ion:244 Resp: 781834

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

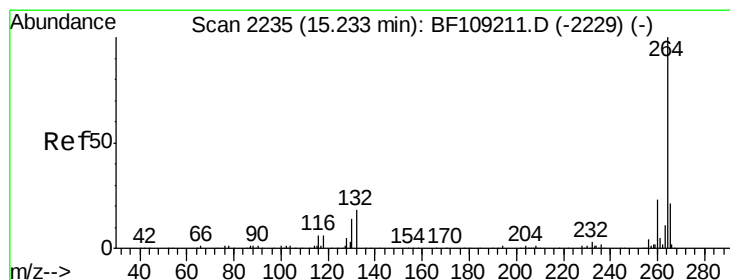
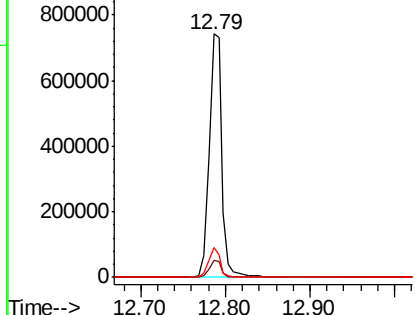
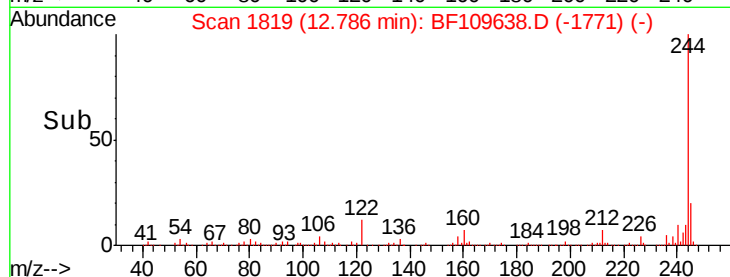
122 12.3 11.0 16.4



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: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109638.D

Acq: 6 Oct 2018 5:01

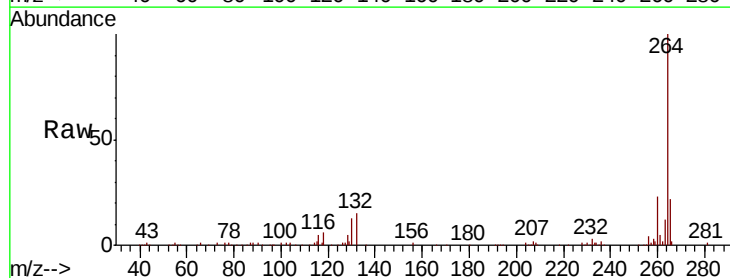
Tgt Ion:264 Resp: 192918

Ion Ratio Lower Upper

264 100

260 22.8 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

