

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110417\  
 Data File : BF100211.D  
 Acq On : 5 Nov 2017 6:25  
 Operator : SJ/JU  
 Sample : I6327-10  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110217-SIDI-F-D-S

Quant Time: Nov 06 04:08:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 86088    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 359195   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.80  | 164  | 174226   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.29 | 188  | 321275   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.94 | 240  | 204205   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.40 | 264  | 139670   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 234017   | 42.68  | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 187808   | 28.89  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 499004   | 89.44  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 143834   | 90.59  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1008438  | 89.30  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.87 | 244  | 957739   | 102.50 | ng    | -0.01    |

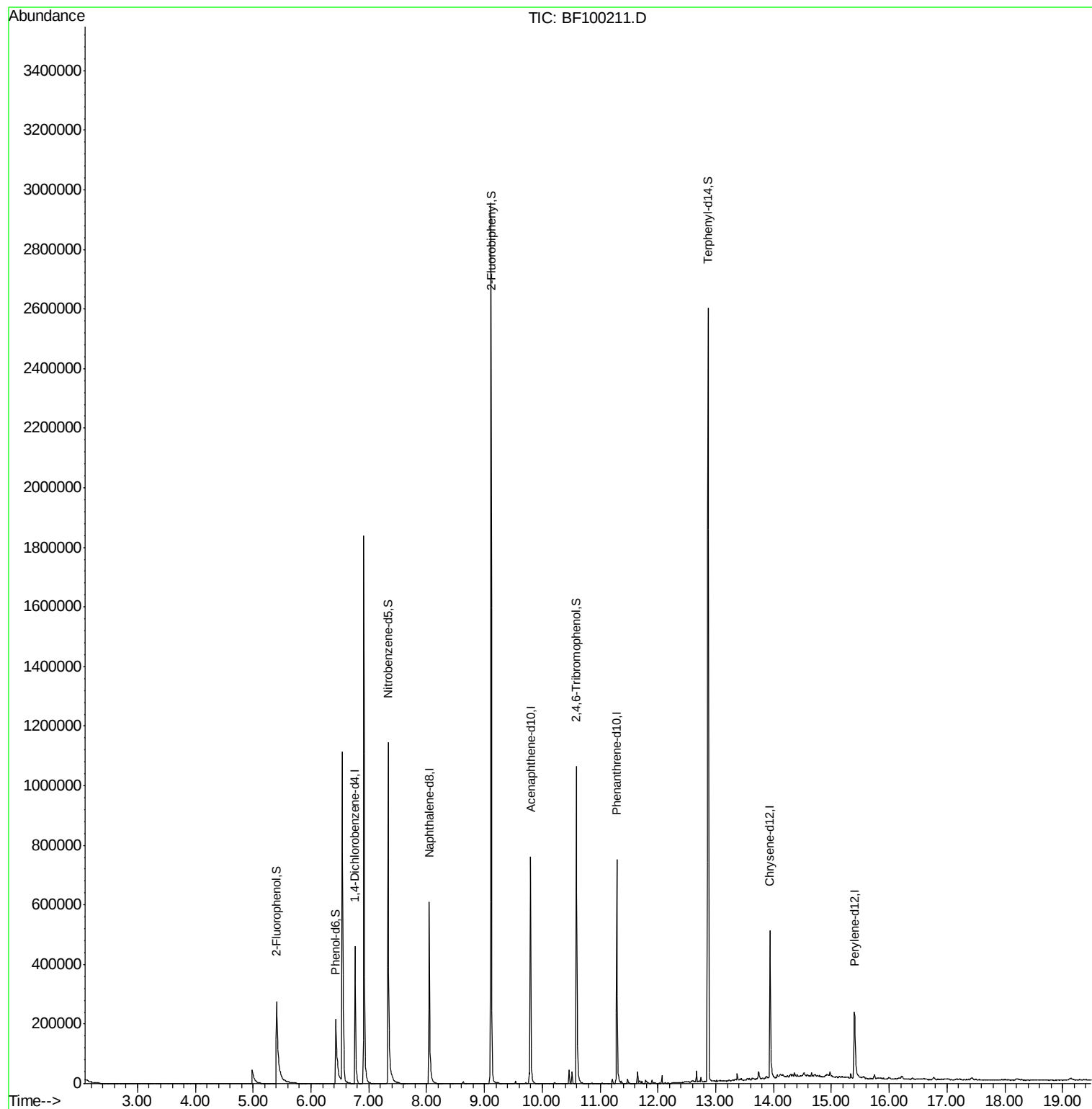
Target Compounds Qvalue

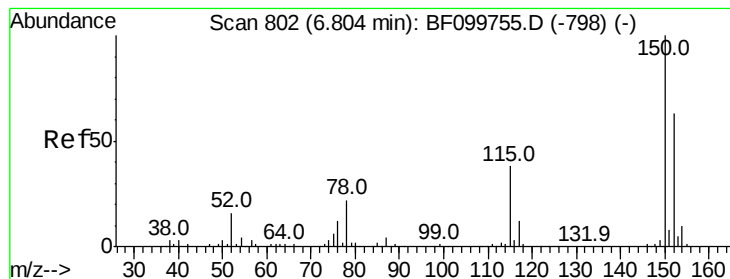
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 03 15:46:10 2017  
Response via : Initial Calibration



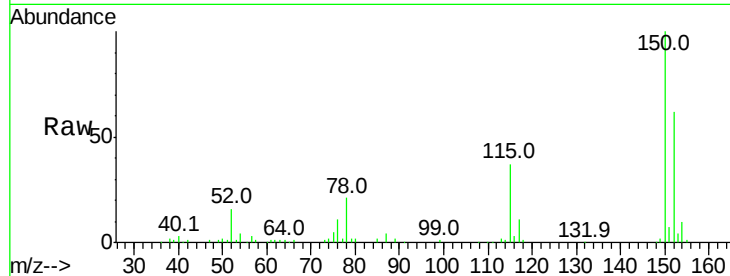


#1

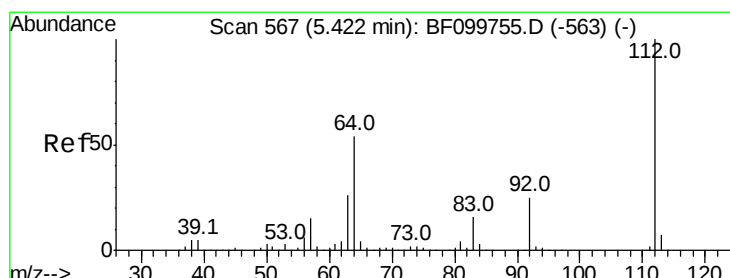
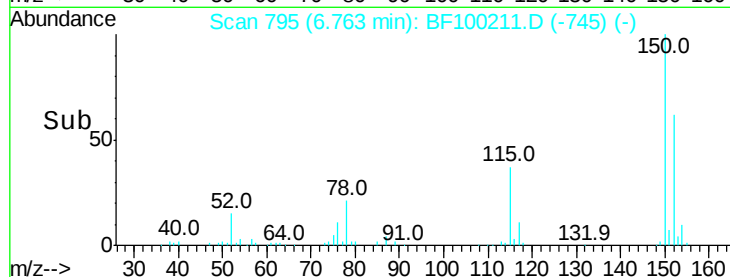
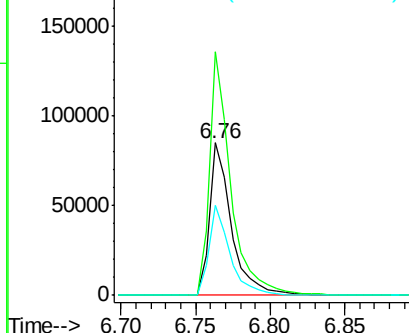
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF100211.D  
Acq: 5 Nov 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
110217-SIDI-F-D-S

Tot Ion:152 Resp: 86088  
Ion Ratio Lower Upper  
152 100  
150 160.0 124.6 186.8  
115 59.2 50.1 75.1



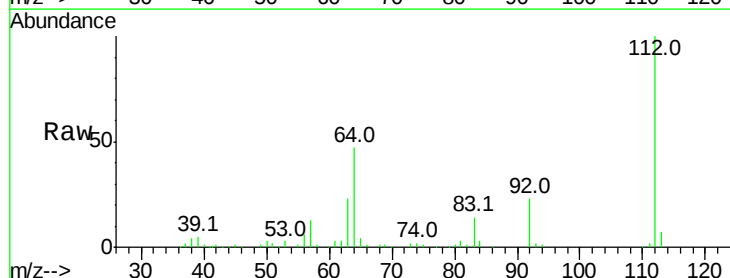
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



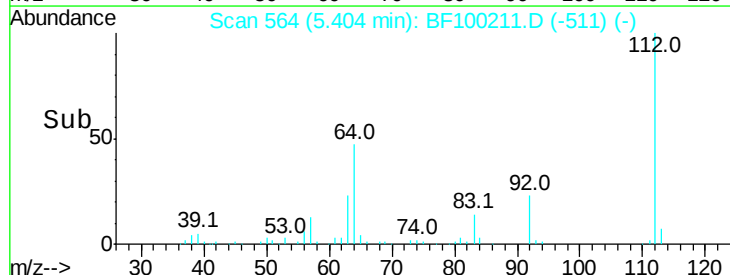
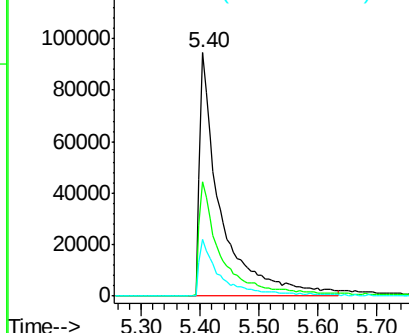
#5

2-Fluorophenol  
Concen: 42.677 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BF100211.D  
Acq: 5 Nov 2017 6:25

Tgt Ion:112 Resp: 234017  
Ion Ratio Lower Upper  
112 100  
64 46.9 47.9 71.9#  
63 23.3 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: 28.885 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100211.D

Acq: 5 Nov 2017 6:25

Instrument :

BNA\_F

ClientSampleId :

110217-SIDI-F-D-S

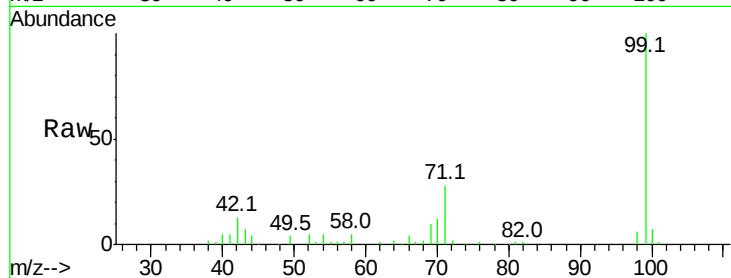
Tot Ion: 99 Resp: 187808

Ion Ratio Lower Upper

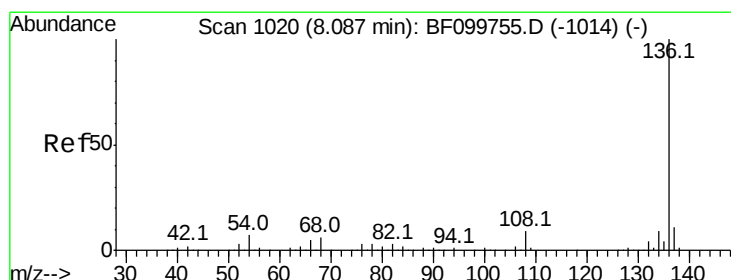
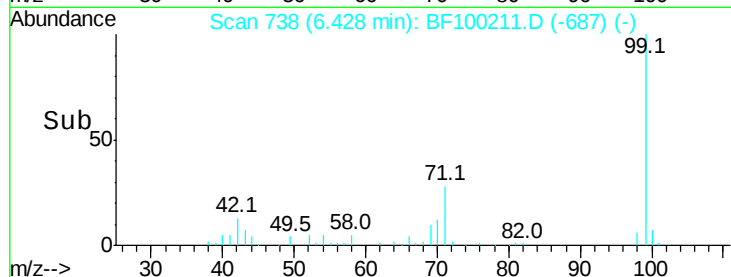
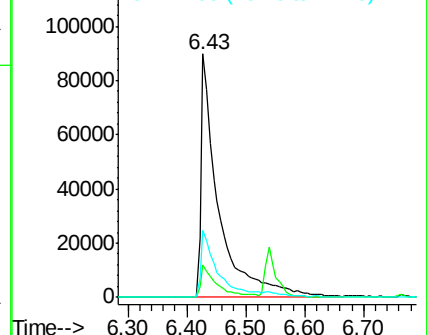
99 100

42 13.4 14.5 21.7#

71 27.6 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: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF100211.D

Acq: 5 Nov 2017 6:25

Tgt Ion: 136 Resp: 359195

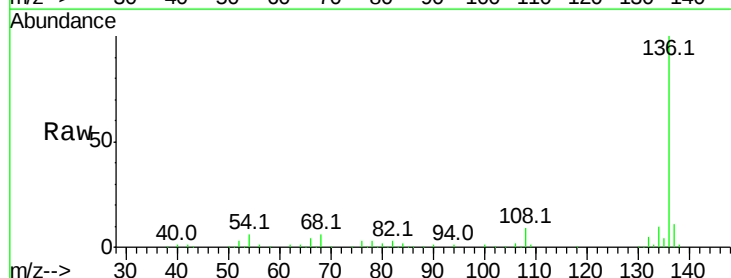
Ion Ratio Lower Upper

136 100

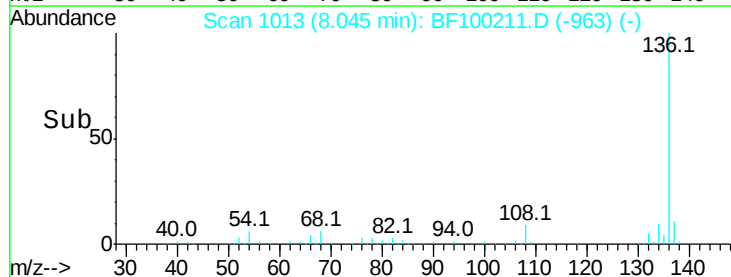
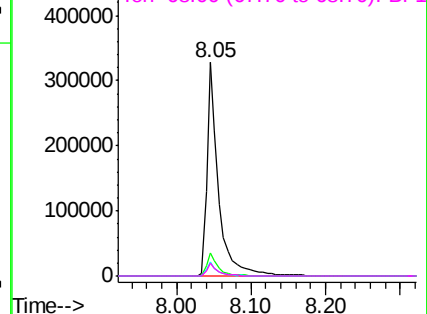
137 11.0 8.9 13.3

54 6.4 6.6 9.8#

68 5.8 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

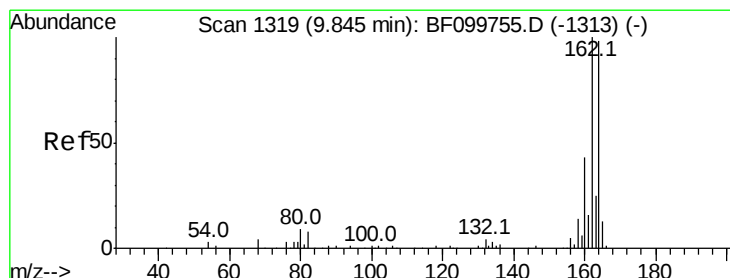
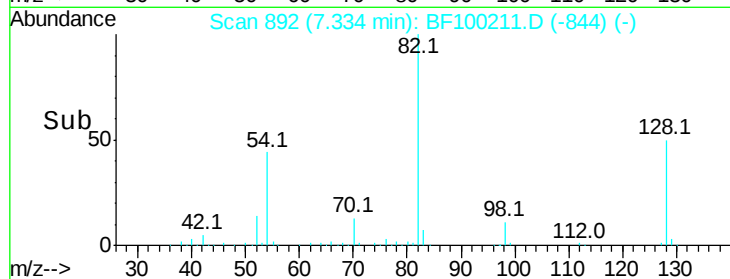
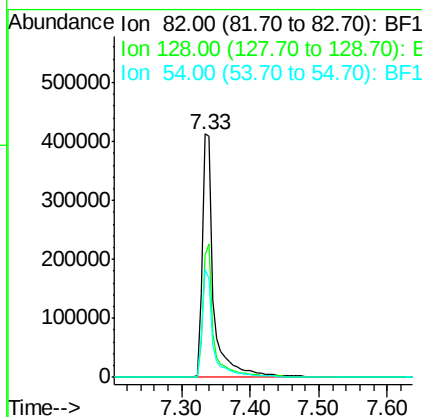
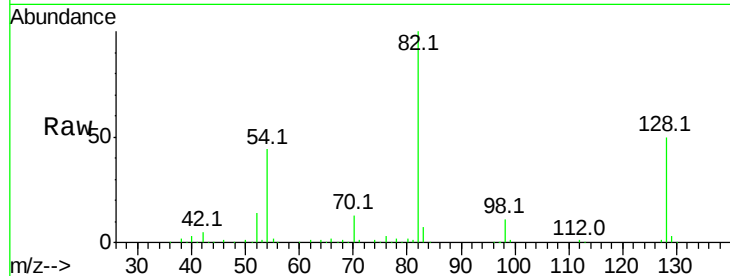




#23  
 Nitrobenzene-d5  
 Concen: 89.439 ng  
 RT: 7.33 min Scan# 892  
 Delta R.T. -0.02 min  
 Lab File: BF100211.D  
 Acq: 5 Nov 2017 6:25

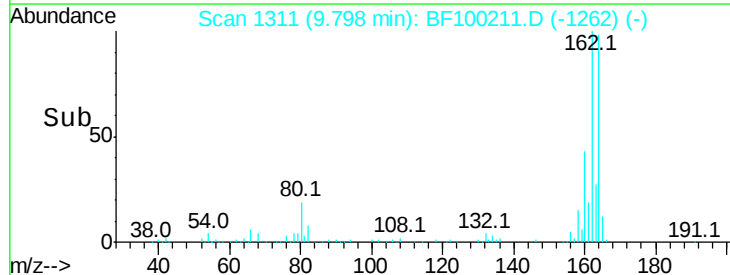
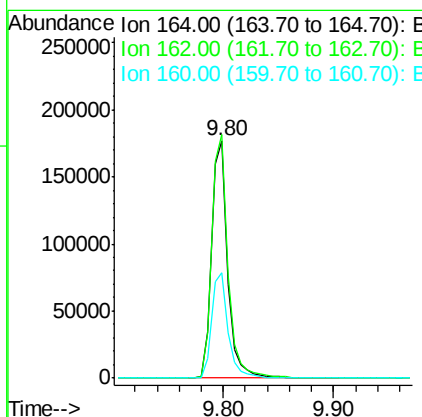
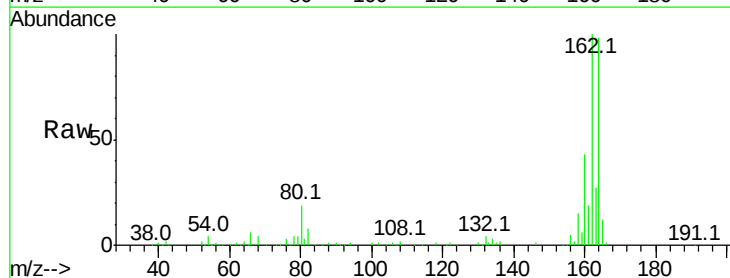
Instrument :  
 BNA\_F  
 ClientSampleId :  
 110217-SIDI-F-D-S

Tot Ion: 82 Resp: 499004  
 Ion Ratio Lower Upper  
 82 100  
 128 50.1 36.1 54.1  
 54 44.2 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BF100211.D  
 Acq: 5 Nov 2017 6:25

Tgt Ion:164 Resp: 174226  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 86.1 129.1  
 160 44.1 38.3 57.5

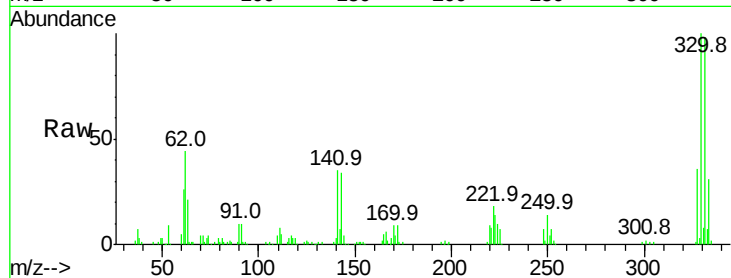




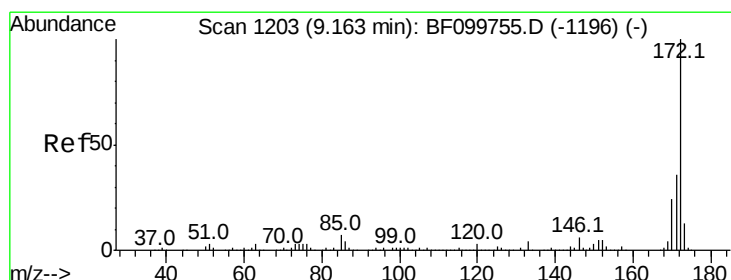
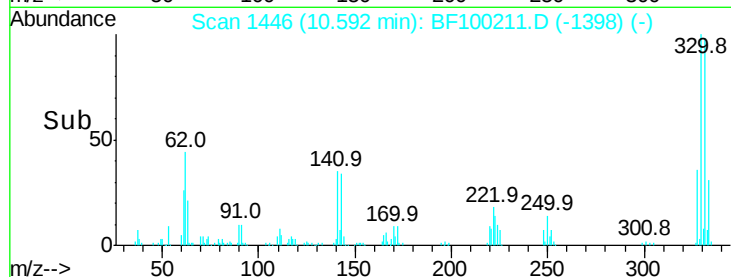
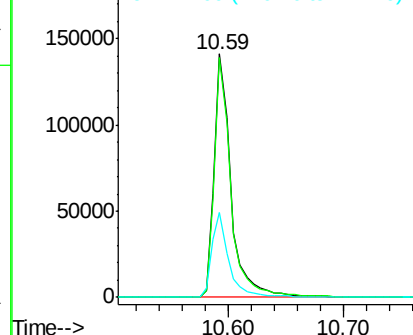
#41  
 2,4,6-Tribromophenol  
 Concen: 90.590 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.02 min  
 Lab File: BF100211.D  
 Acq: 5 Nov 2017 6:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110217-SIDI-F-D-S

Tot Ion:330 Resp: 143834  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 77.0 115.6  
 141 35.2 29.9 44.9

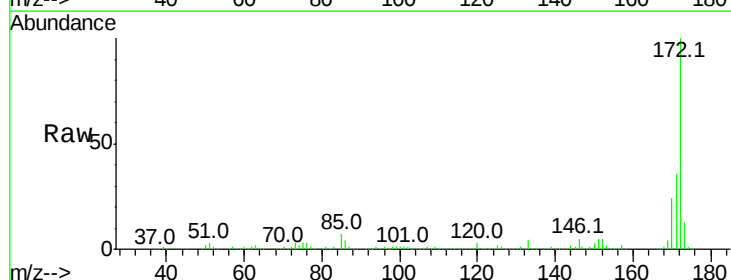


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

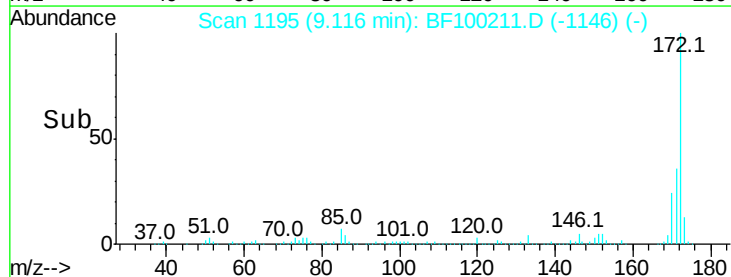
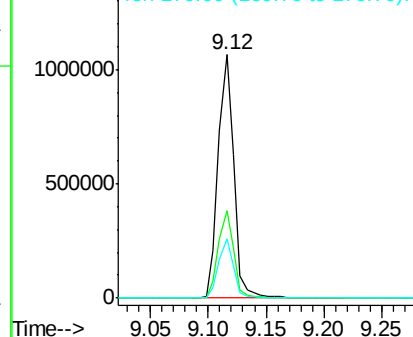


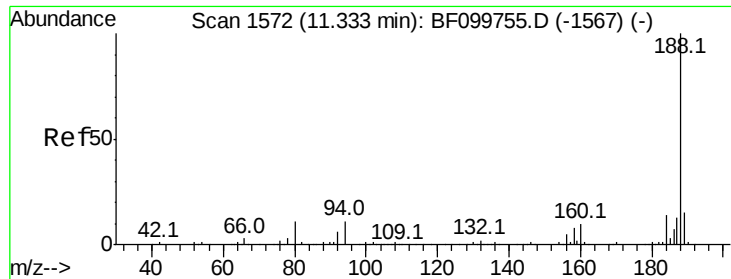
#44  
 2-Fluorobiphenyl  
 Concen: 89.301 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BF100211.D  
 Acq: 5 Nov 2017 6:25

Tgt Ion:172 Resp: 1008438  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.1 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

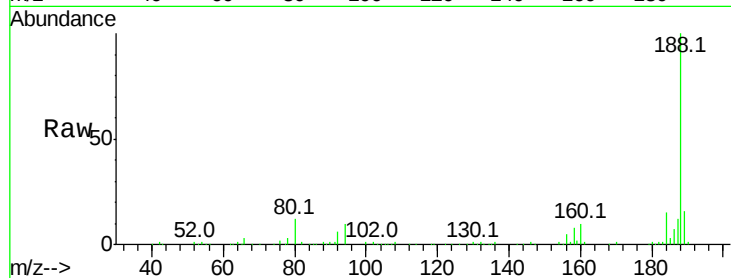




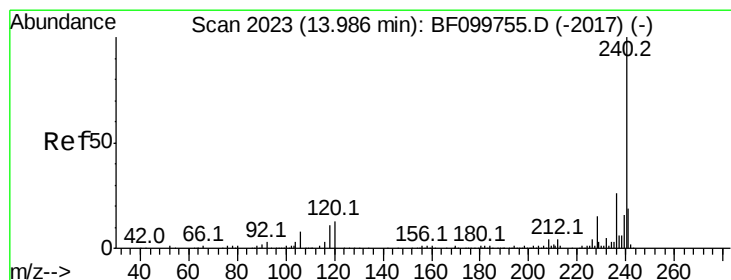
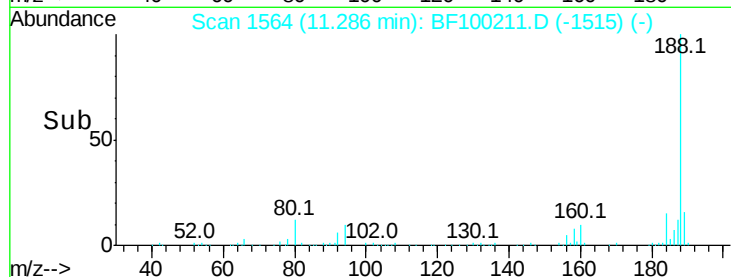
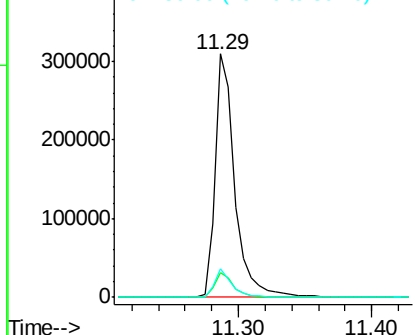
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BF100211.D  
Acq: 5 Nov 2017 6:25

Instrument :  
BNA\_F  
ClientSampleId :  
110217-SIDI-F-D-S

Tot Ion:188 Resp: 321275  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 11.6 9.2 13.8

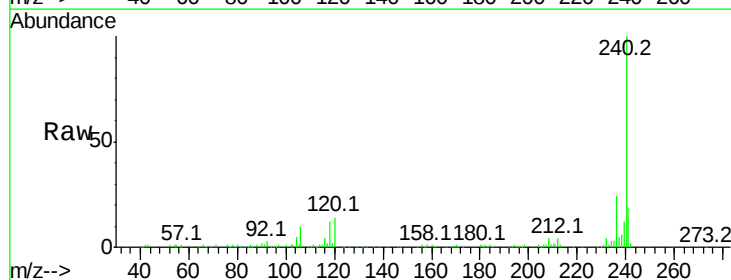


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

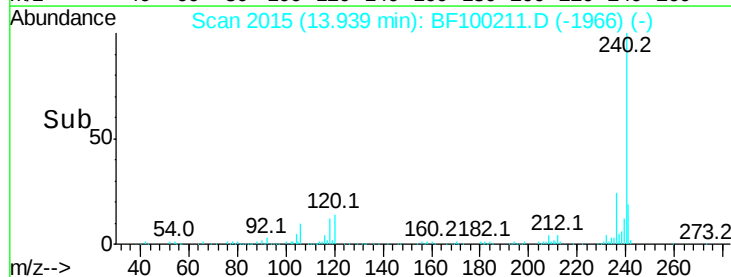
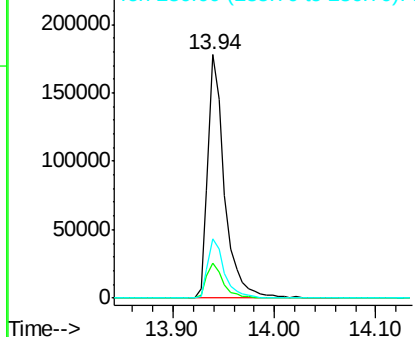


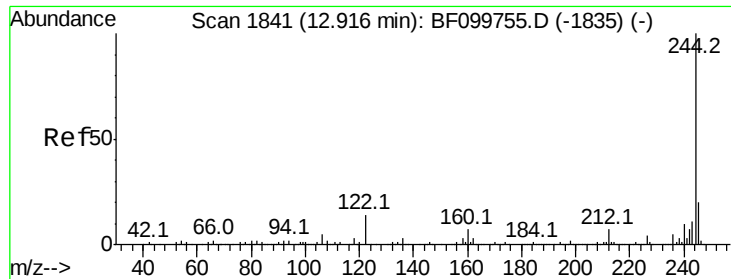
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.94 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF100211.D  
Acq: 5 Nov 2017 6:25

Tgt Ion:240 Resp: 204205  
Ion Ratio Lower Upper  
240 100  
120 14.2 9.5 14.3  
236 24.4 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: 102.496 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF100211.D

Acq: 5 Nov 2017 6:25

Instrument :

BNA\_F

ClientSampleId :

110217-SIDI-F-D-S

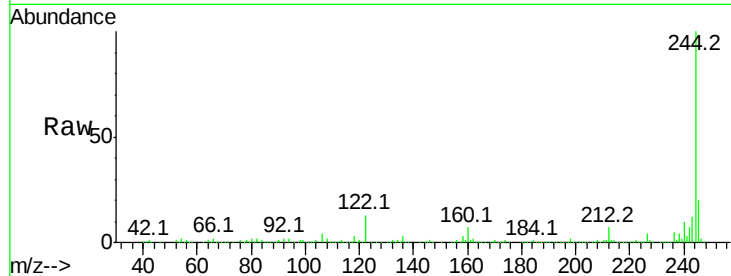
Tot Ion:244 Resp: 957739

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

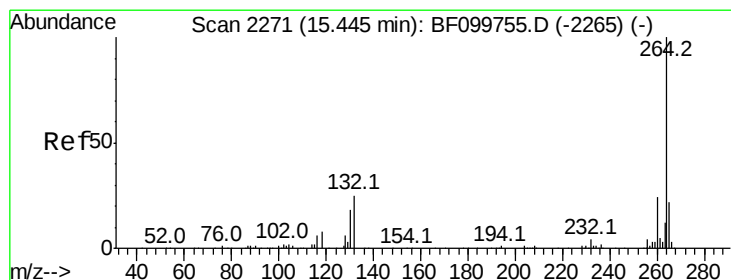
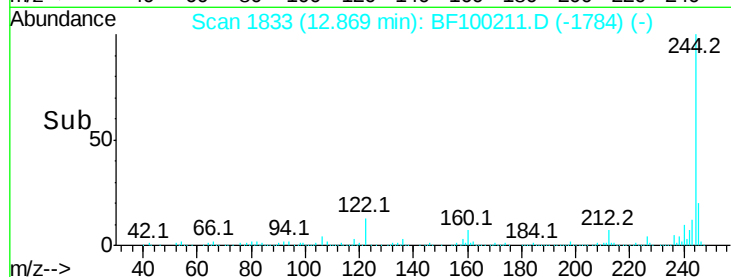
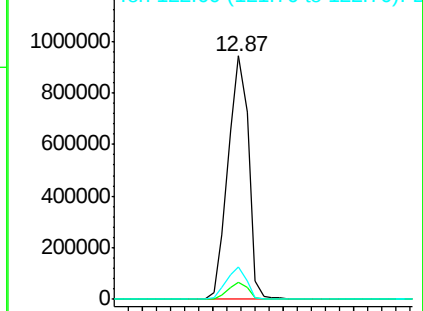
122 13.5 11.0 16.4



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: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF100211.D

Acq: 5 Nov 2017 6:25

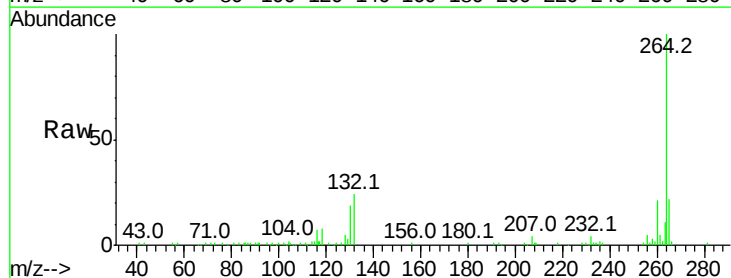
Tgt Ion:264 Resp: 139670

Ion Ratio Lower Upper

264 100

260 21.4 19.2 28.8

265 21.9 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

