

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061515\  
 Data File : BF079983.D  
 Acq On : 15 Jun 2015 16:47  
 Operator : TP/IZ  
 Sample : G2639-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW6

Quant Time: Jun 16 01:09:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 15:44:31 2015  
 Response via : Initial Calibration

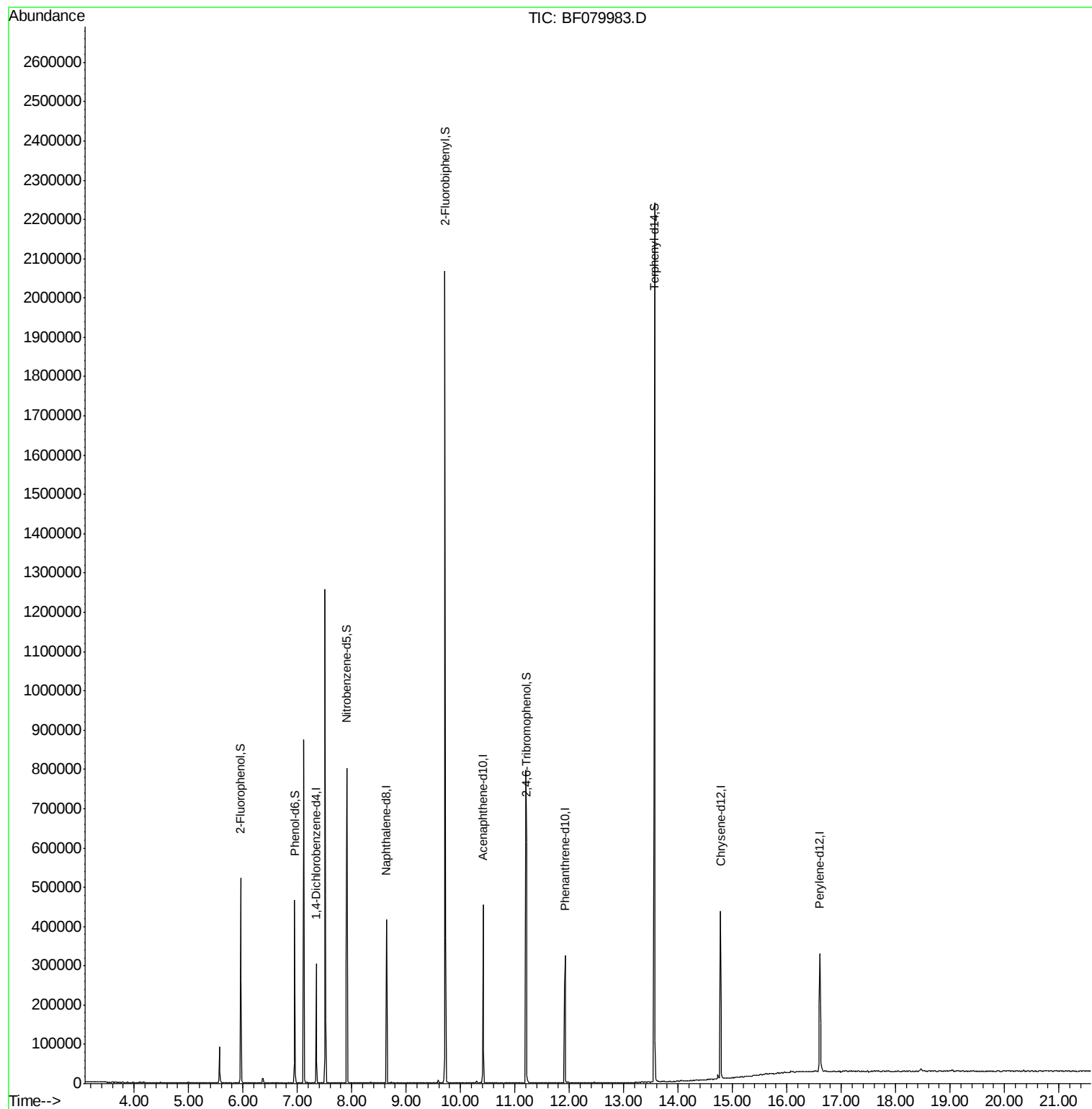
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 42498    | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 8.64  | 136  | 165822   | 20.00     | ng       | 0.00     |
| 38) Acenaphthene-d10        | 10.41 | 164  | 84563    | 20.00     | ng       | 0.00     |
| 63) Phenanthrene-d10        | 11.92 | 188  | 167911   | 20.00     | ng       | 0.00     |
| 75) Chrysene-d12            | 14.78 | 240  | 181550   | 20.00     | ng       | -0.13    |
| 86) Perylene-d12            | 16.61 | 264  | 175732   | 20.00     | ng       | -0.19    |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.96  | 112  | 157747   | 68.06     | ng       | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 140372   | 44.46     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 7.91  | 82   | 264117   | 105.09    | ng       | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.21 | 330  | 120336   | 141.03    | ng       | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.72  | 172  | 598530   | 99.11     | ng       | 0.00     |
| 78) Terphenyl-d14           | 13.57 | 244  | 755995   | 96.00     | ng       | -0.06    |
| Target Compounds            |       |      |          |           |          |          |
| 82) Chrysene                | 14.81 | 228  | 423      | Below Cal | Qvalue # | 49       |

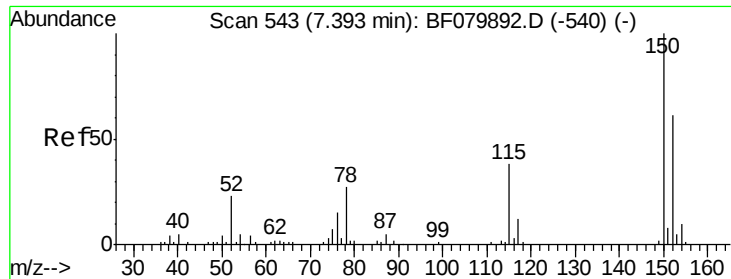
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061515\  
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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW6

Quant Time: Jun 16 01:09:31 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 15 15:44:31 2015  
Response via : Initial Calibration



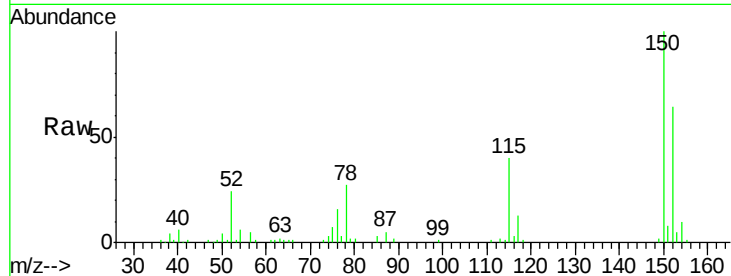


#1

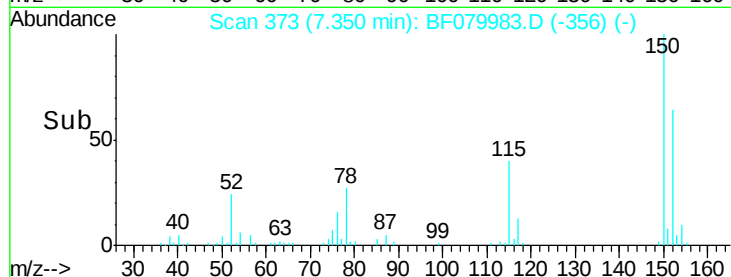
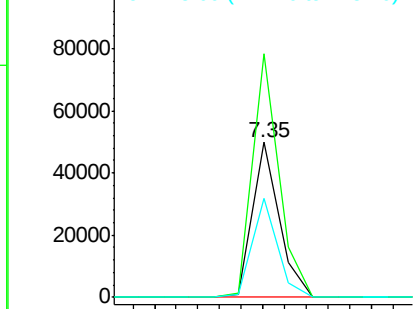
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.35 min Scan# 373  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW6

Tgt Ion:152 Resp: 42498  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 131.0 196.4  
 115 63.4 49.8 74.6



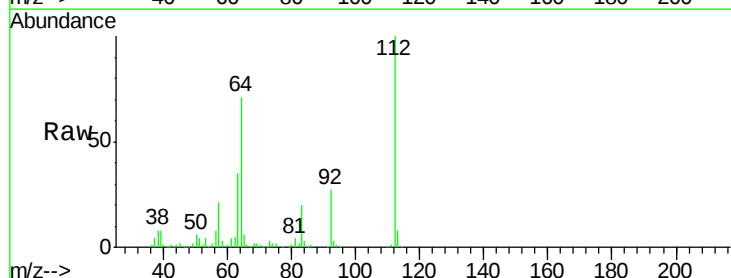
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



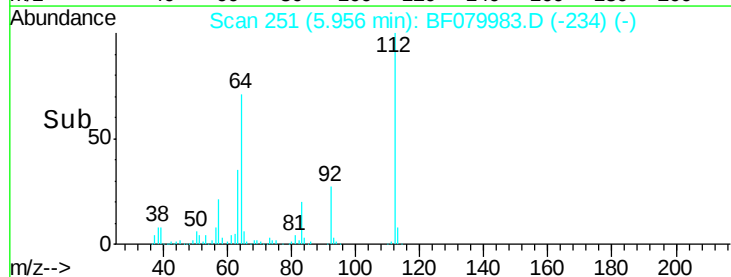
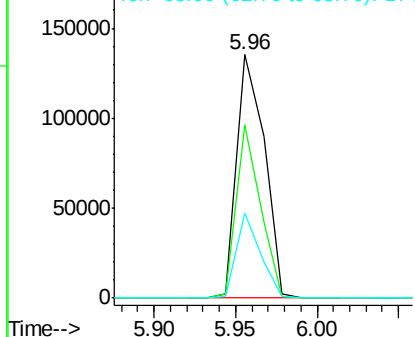
#5

2-Fluorophenol  
 Concen: 68.06 ng  
 RT: 5.96 min Scan# 251  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Tgt Ion:112 Resp: 157747  
 Ion Ratio Lower Upper  
 112 100  
 64 71.4 54.5 81.7  
 63 34.9 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.46 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF079983.D

Acq: 15 Jun 2015 16:47

Instrument :

BNA\_F

ClientSampleId :

SP15-LF2MW6

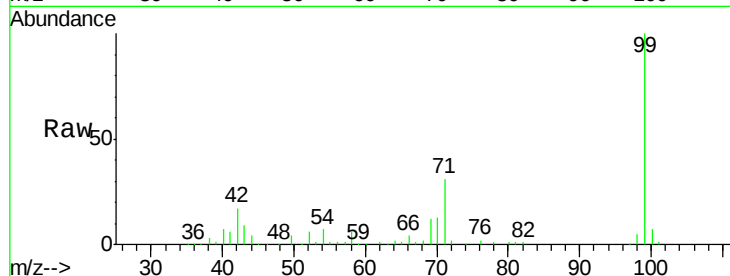
Tgt Ion: 99 Resp: 140372

Ion Ratio Lower Upper

99 100

42 16.8 12.9 19.3

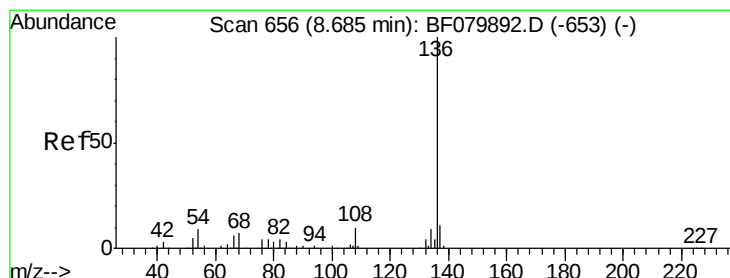
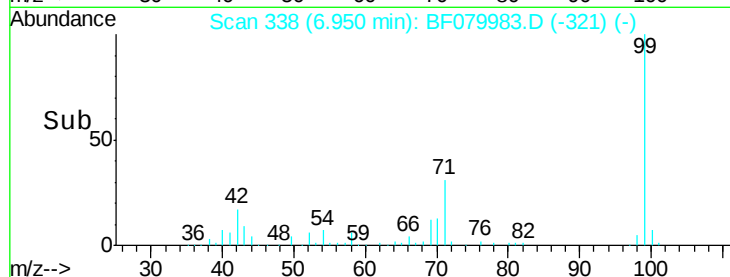
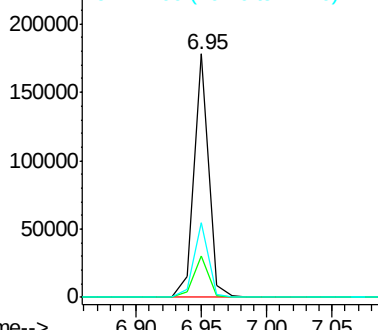
71 30.6 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079983.D

Acq: 15 Jun 2015 16:47

Tgt Ion: 136 Resp: 165822

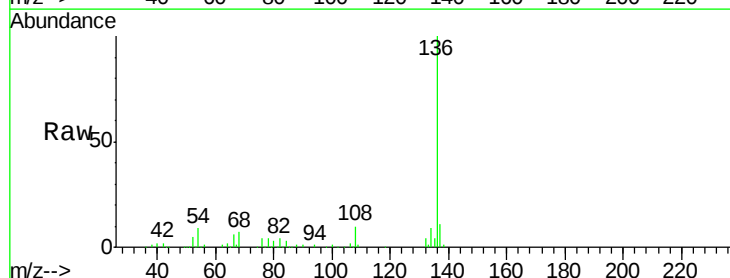
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.8 7.3 10.9

68 6.6 5.9 8.9

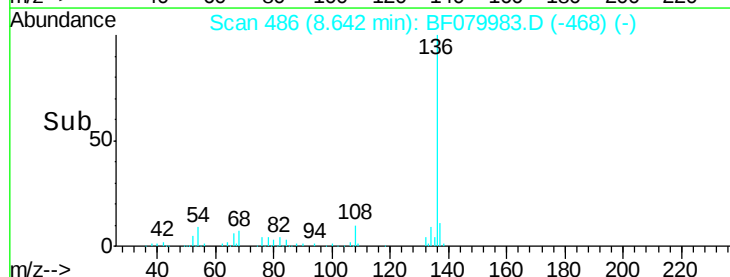
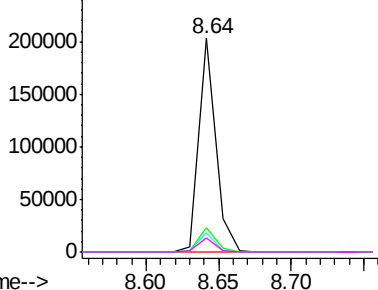


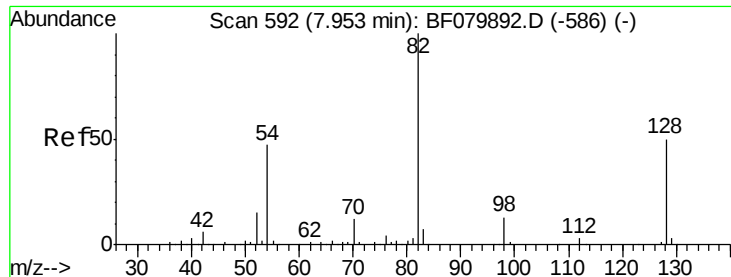
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

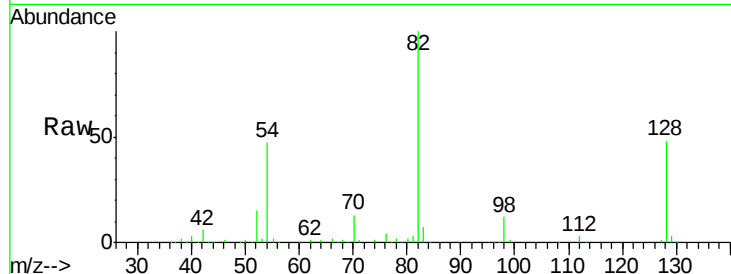




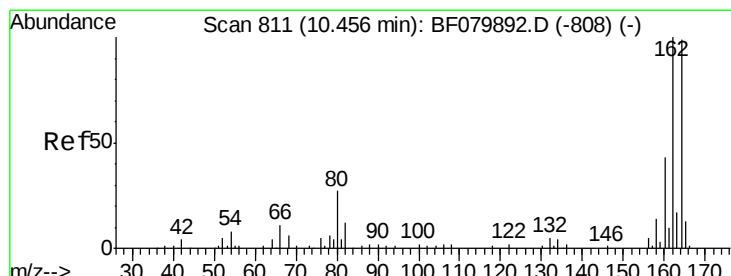
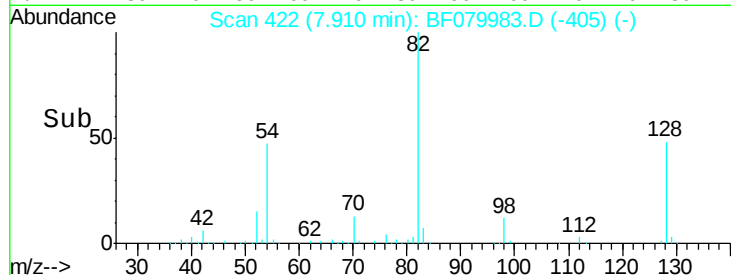
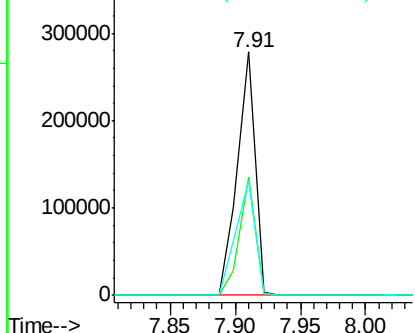
#23  
 Nitrobenzene-d5  
 Concen: 105.09 ng  
 RT: 7.91 min Scan# 422  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.3  | 40.3  | 60.5  |
| 54      | 46.8  | 38.0  | 57.0  |

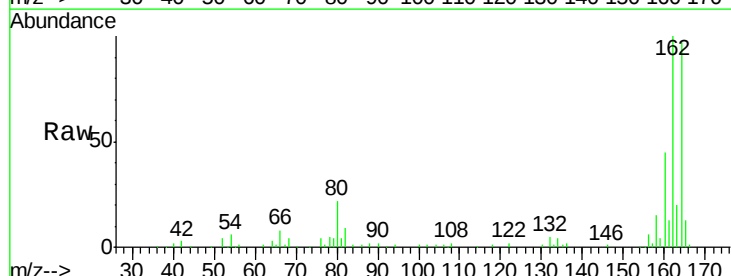


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

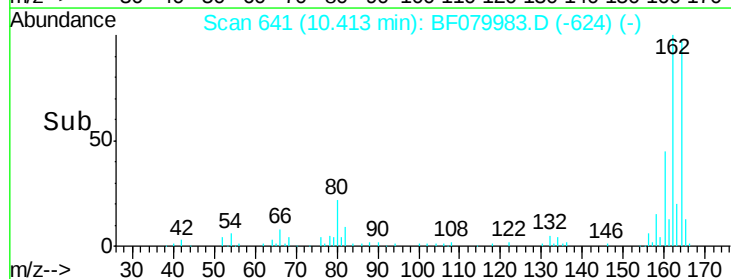
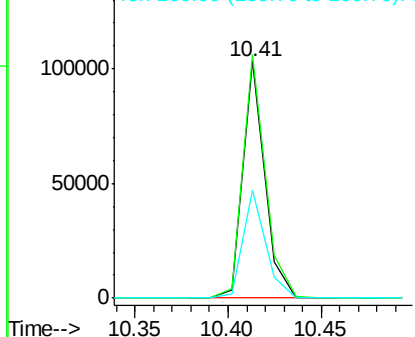


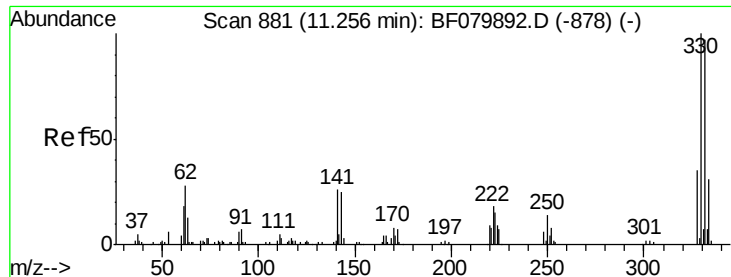
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.41 min Scan# 641  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 80.7  | 121.1 |
| 160     | 45.9  | 34.6  | 51.8  |



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

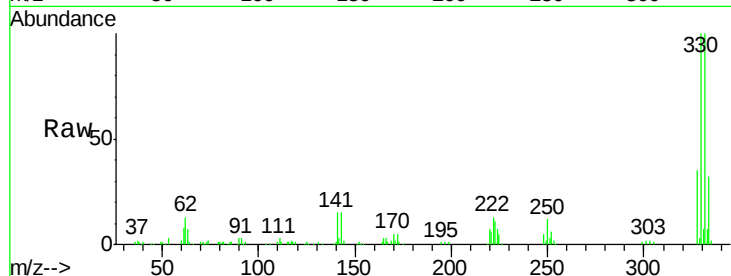




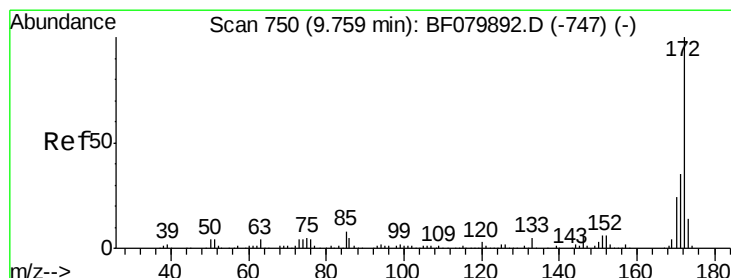
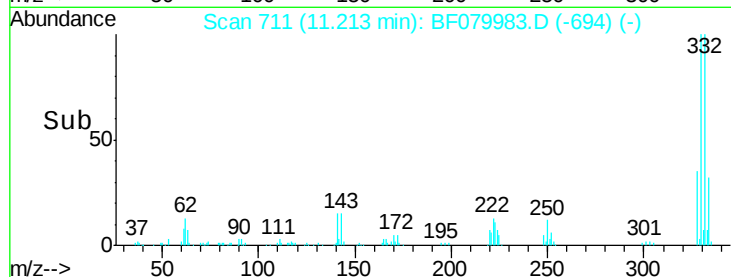
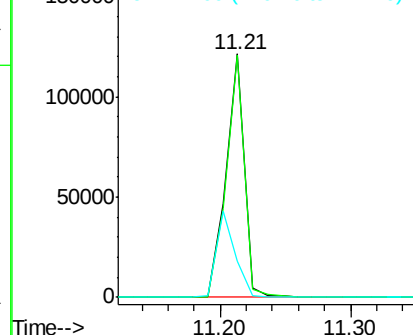
#41  
 2,4,6-Tribromophenol  
 Concen: 141.03 ng  
 RT: 11.21 min Scan# 711  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW6

Tgt Ion:330 Resp: 120336  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 77.3 115.9  
 141 36.0 26.8 40.2

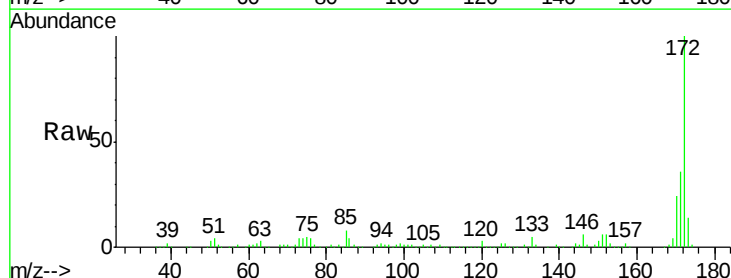


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

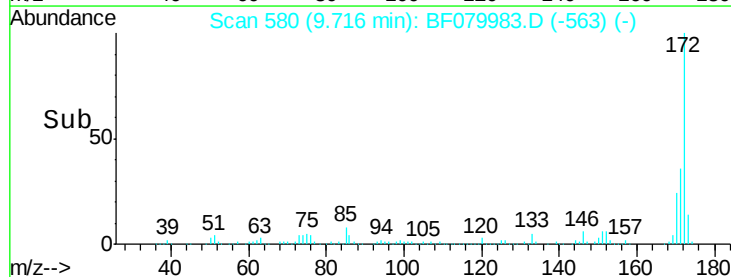
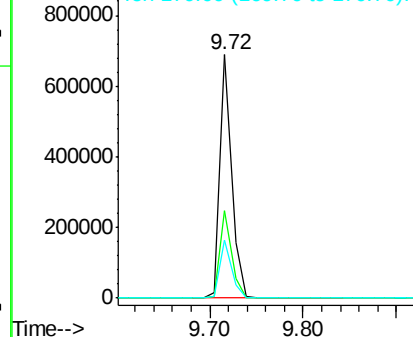


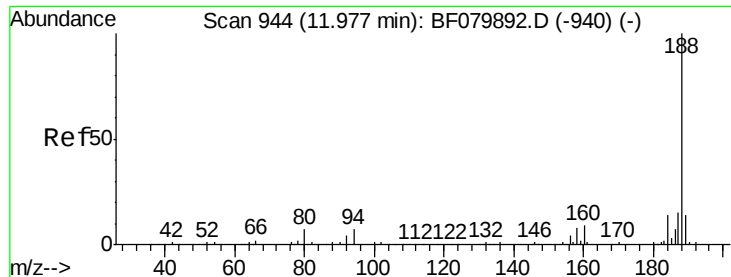
#44  
 2-Fluorobiphenyl  
 Concen: 99.11 ng  
 RT: 9.72 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Tgt Ion:172 Resp: 598530  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.3 42.5  
 170 23.9 19.0 28.4



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

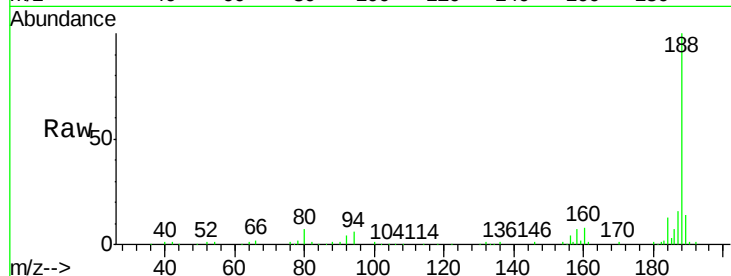




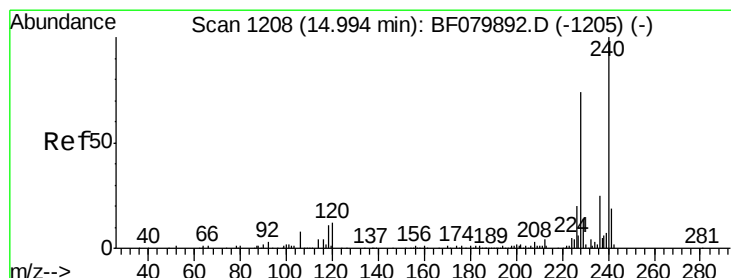
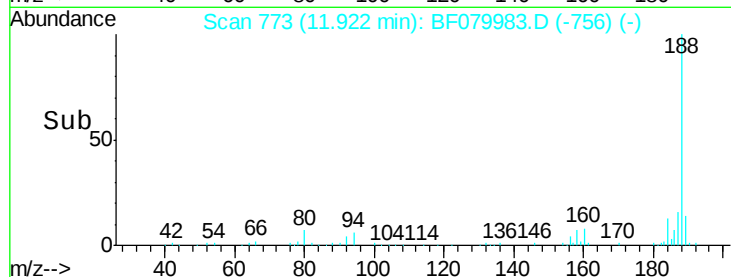
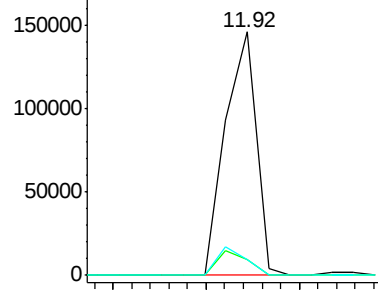
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.92 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BF079983.D  
Acq: 15 Jun 2015 16:47

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-LF2MW6

Tgt Ion:188 Resp: 167911  
Ion Ratio Lower Upper  
188 100  
94 6.2 5.8 8.8  
80 6.7 5.9 8.9

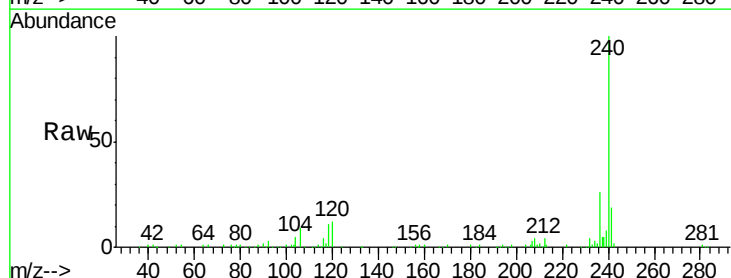


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

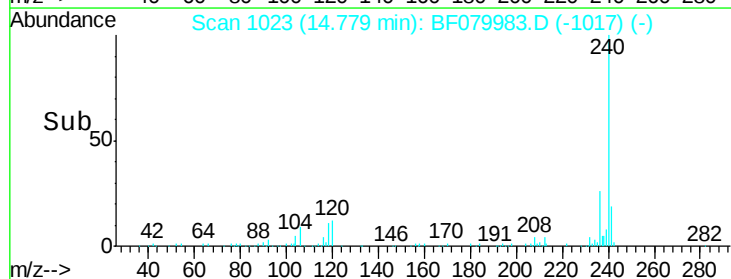
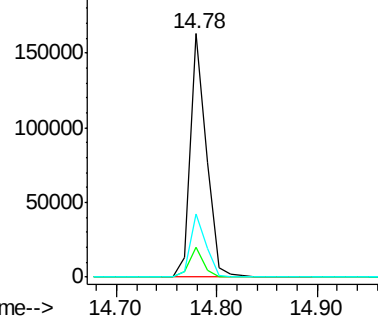


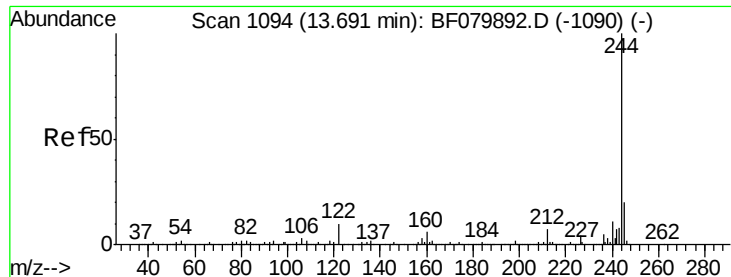
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.78 min Scan# 1023  
Delta R.T. -0.13 min  
Lab File: BF079983.D  
Acq: 15 Jun 2015 16:47

Tgt Ion:240 Resp: 181550  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.4 14.2  
236 25.8 19.6 29.4



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

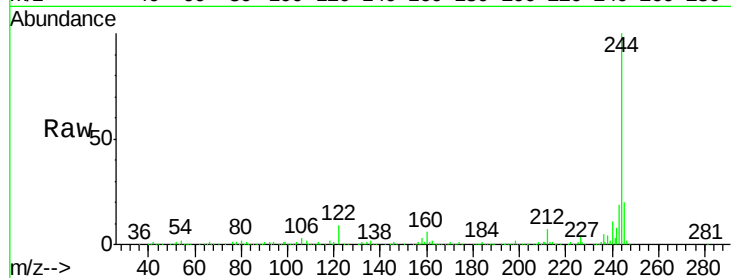




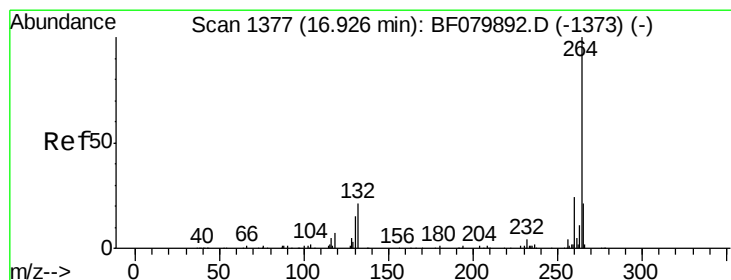
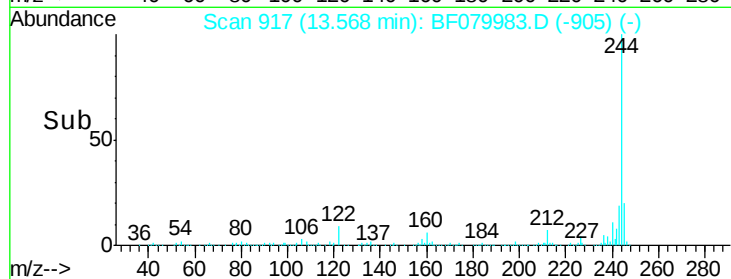
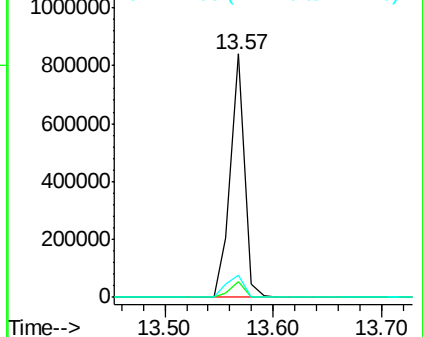
#78  
 Terphenyl-d14  
 Concen: 96.00 ng  
 RT: 13.57 min Scan# 917  
 Delta R.T. -0.06 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-LF2MW6

Tgt Ion:244 Resp: 755995  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.2  
 122 8.9 7.8 11.8

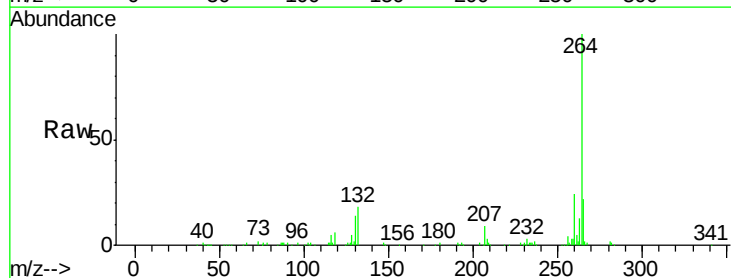


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.61 min Scan# 1183  
 Delta R.T. -0.19 min  
 Lab File: BF079983.D  
 Acq: 15 Jun 2015 16:47

Tgt Ion:264 Resp: 175732  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.3 28.9  
 265 21.9 17.0 25.6



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

