

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030415\  
 Data File : BF077583.D  
 Acq On : 4 Mar 2015 15:49  
 Operator : TP/IZ  
 Sample : PB81970BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81970BL

Quant Time: Mar 05 10:46:54 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 04 21:51:23 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.22  | 152  | 60564    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.80  | 136  | 241047   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.97 | 164  | 118061   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.81 | 188  | 230807   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.11 | 240  | 243719   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.89 | 264  | 243035   | 20.00  | ng    | 0.04     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 475037   | 130.94 | ng    | 0.00     |
| 7) Phenol-d6                | 6.79  | 99   | 562384   | 120.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.91  | 82   | 349381   | 90.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.95 | 330  | 144892   | 127.46 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.15 | 172  | 678220   | 89.57  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.81 | 244  | 787157   | 75.51  | ng    | 0.00     |

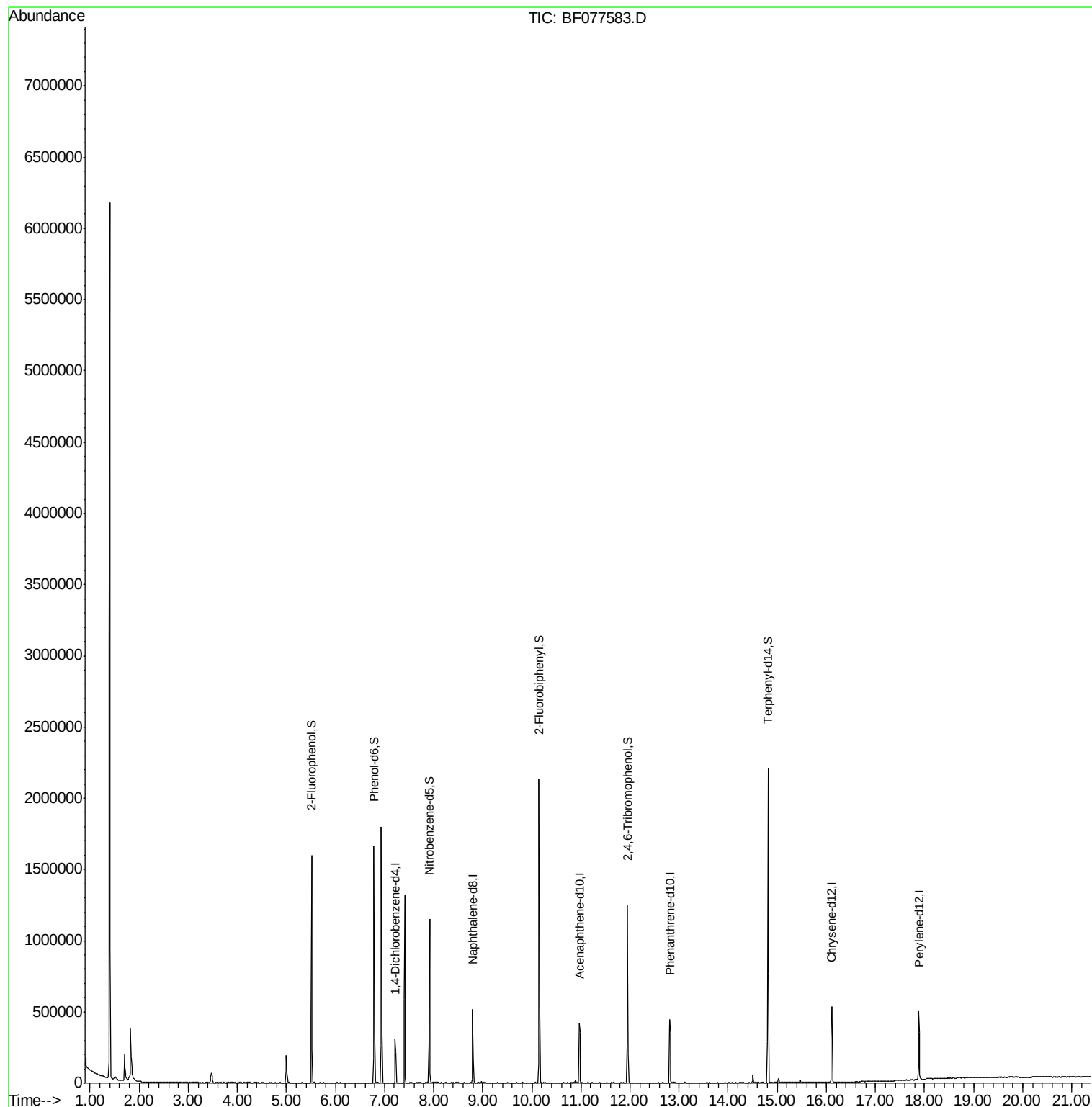
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

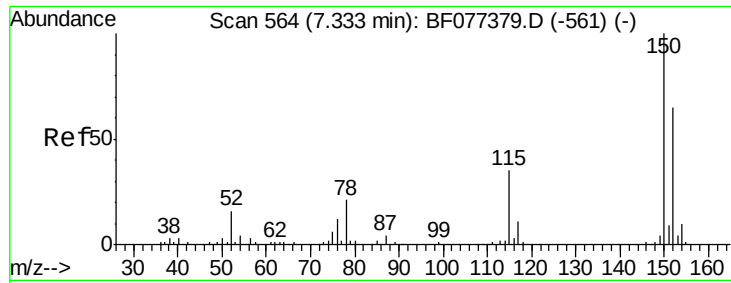
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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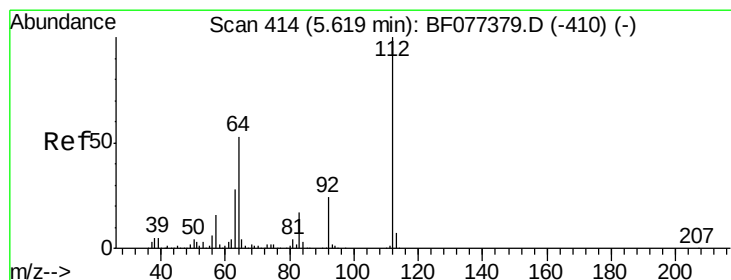
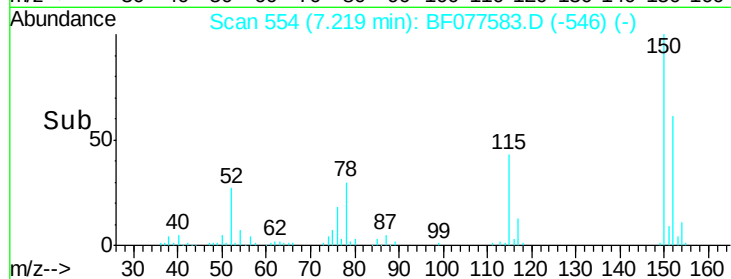
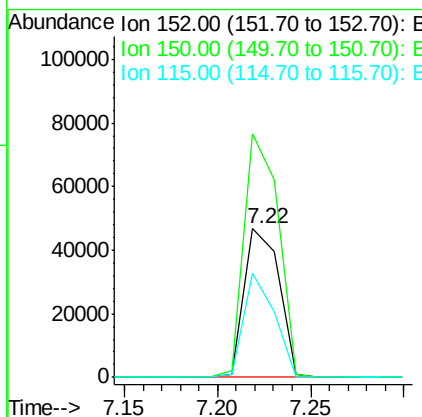
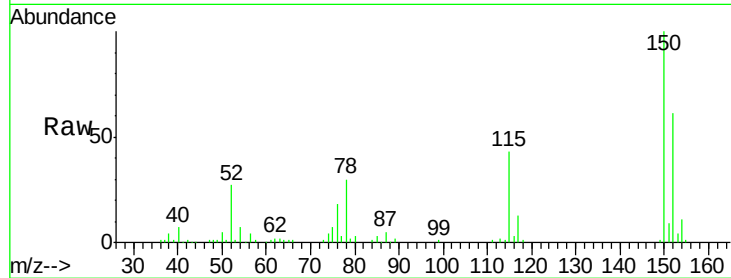




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.22 min Scan# 554  
 Delta R.T. 0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

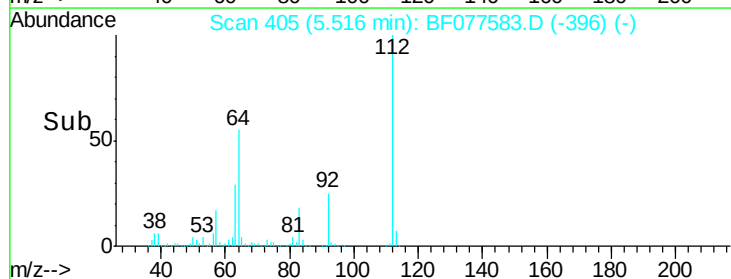
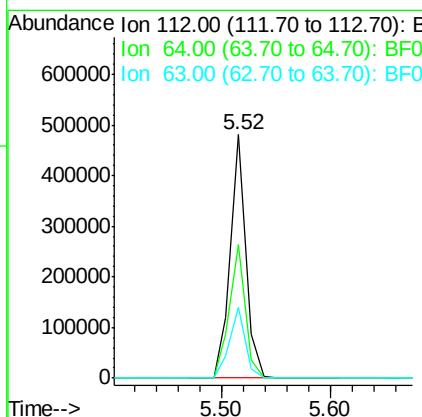
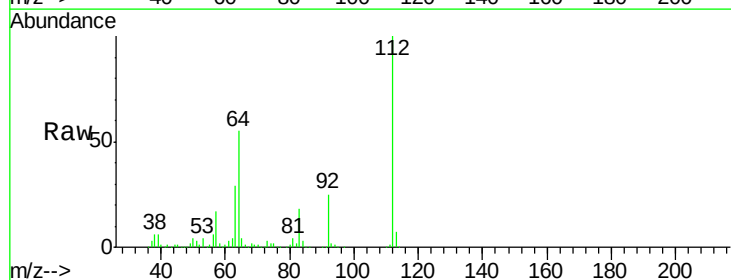
Instrument :  
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 ClientSampleId :  
 PB81970BL

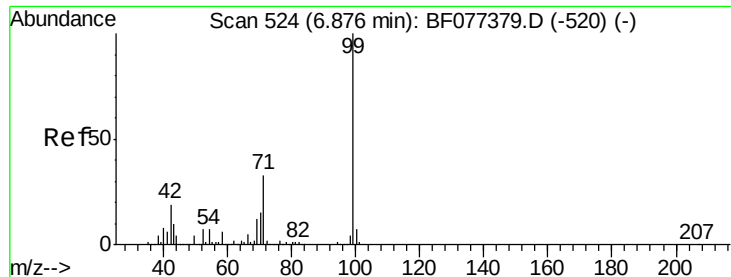
Tgt Ion:152 Resp: 60564  
 Ion Ratio Lower Upper  
 152 100  
 150 163.7 124.0 186.0  
 115 69.8 49.4 74.2



#5  
 2-Fluorophenol  
 Concen: 130.94 ng  
 RT: 5.52 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

Tgt Ion:112 Resp: 475037  
 Ion Ratio Lower Upper  
 112 100  
 64 55.1 48.5 72.7  
 63 29.1 25.0 37.4





#7

Phenol-d6

Concen: 120.57 ng

RT: 6.79 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077583.D

Acq: 4 Mar 2015 15:49

Instrument :

BNA\_F

ClientSampleId :

PB81970BL

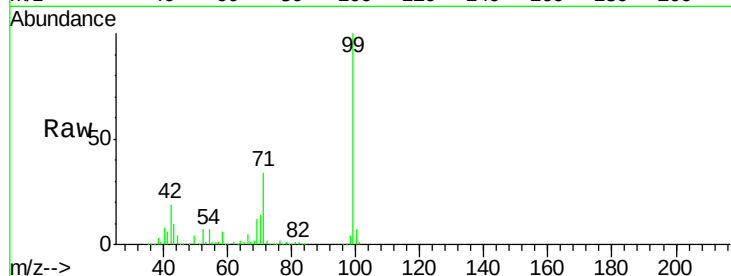
Tgt Ion: 99 Resp: 562384

Ion Ratio Lower Upper

99 100

42 18.9 16.2 24.4

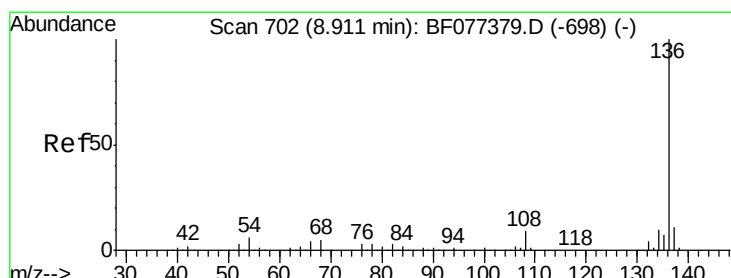
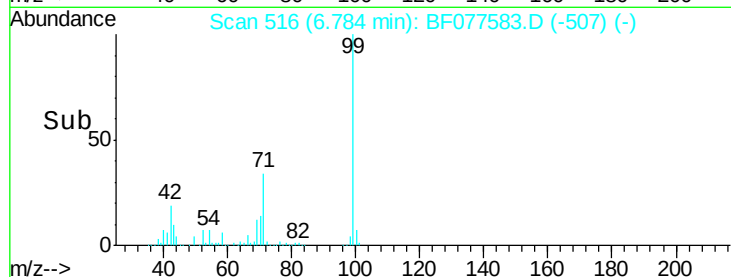
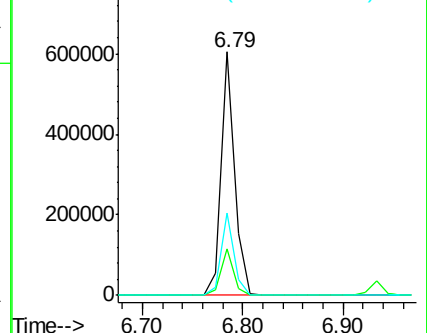
71 33.9 26.7 40.1



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: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077583.D

Acq: 4 Mar 2015 15:49

Tgt Ion: 136 Resp: 241047

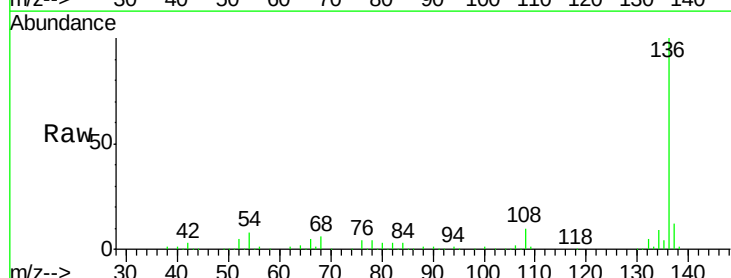
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 8.5 6.2 9.4

68 6.5 5.0 7.6

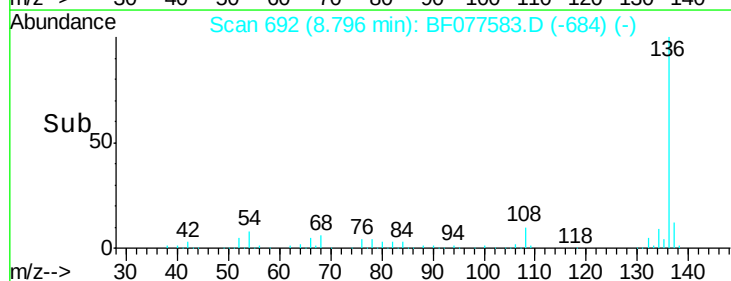
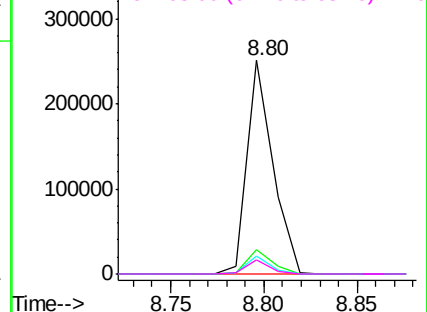


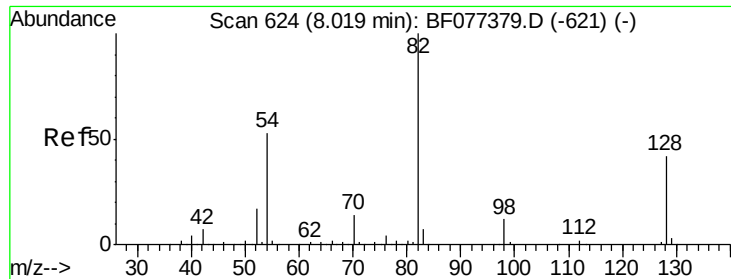
Abundance Ion 136.00 (135.70 to 136.70): E

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

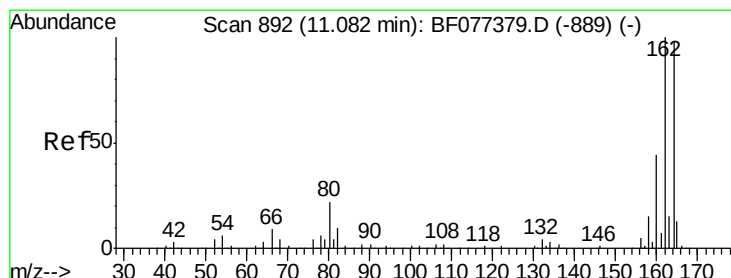
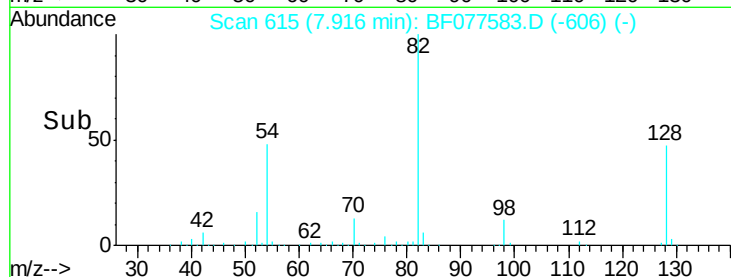
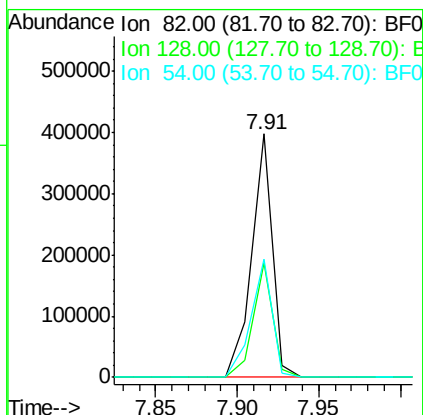
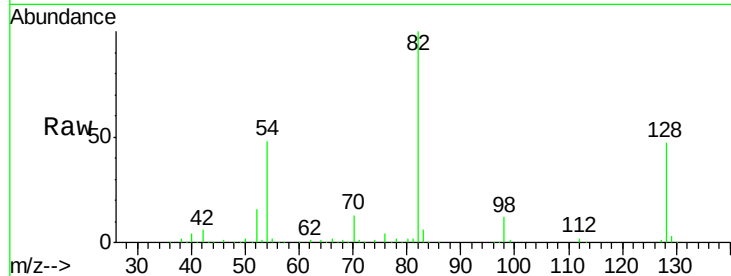




#23  
 Nitrobenzene-d5  
 Concen: 90.13 ng  
 RT: 7.91 min Scan# 615  
 Delta R.T. -0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

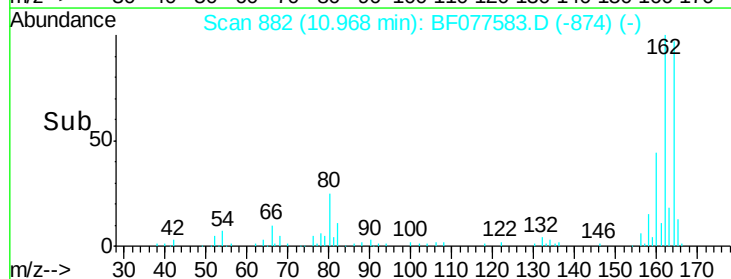
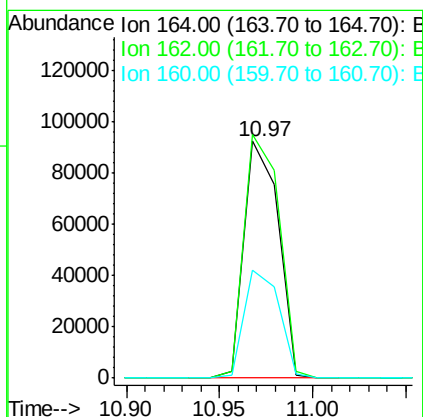
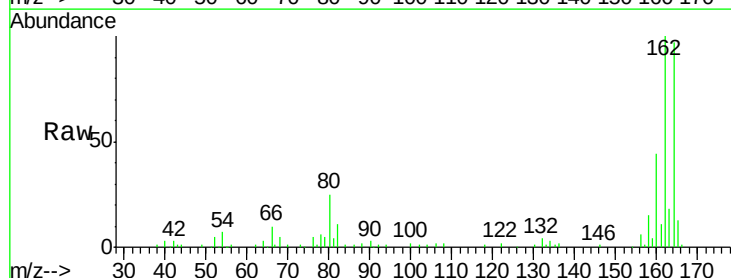
Instrument :  
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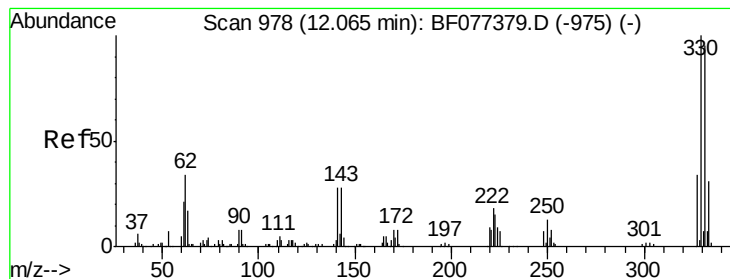
Tgt Ion: 82 Resp: 349381  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 43.8 65.8  
 54 48.5 36.7 55.1



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.97 min Scan# 882  
 Delta R.T. -0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

Tgt Ion: 164 Resp: 118061  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 83.2 124.8  
 160 45.6 34.6 52.0

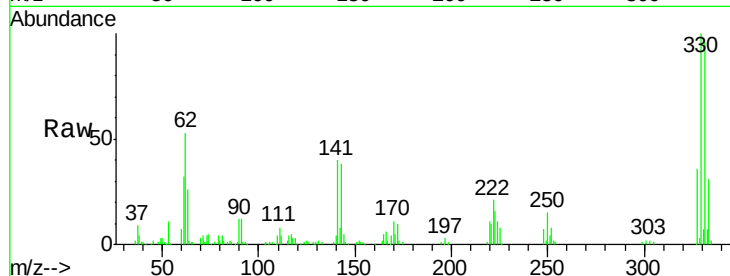




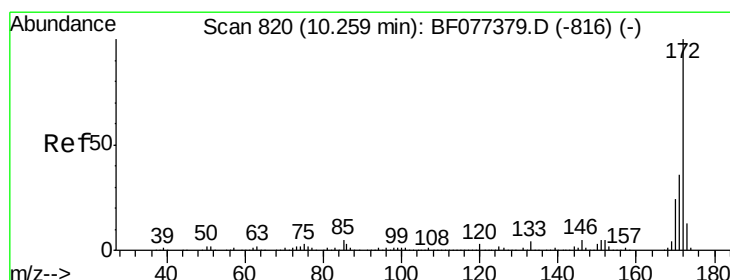
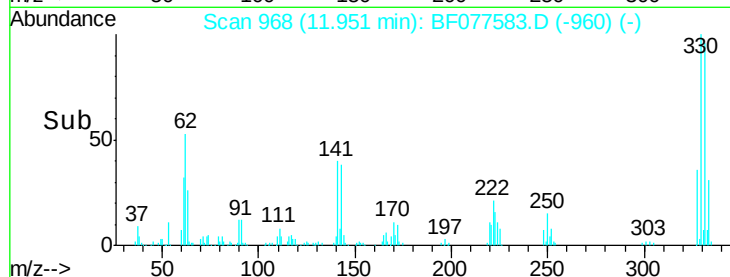
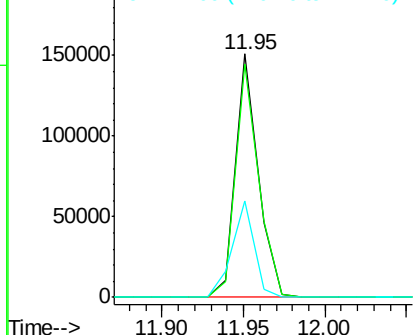
#41  
 2,4,6-Tribromophenol  
 Concen: 127.46 ng  
 RT: 11.95 min Scan# 968  
 Delta R.T. -0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81970BL

Tgt Ion:330 Resp: 144892  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.4 116.2  
 141 38.6 28.8 43.2

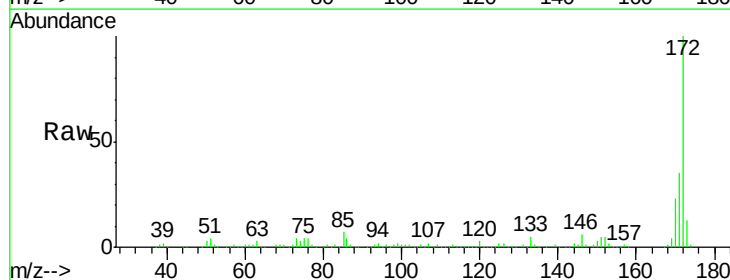


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

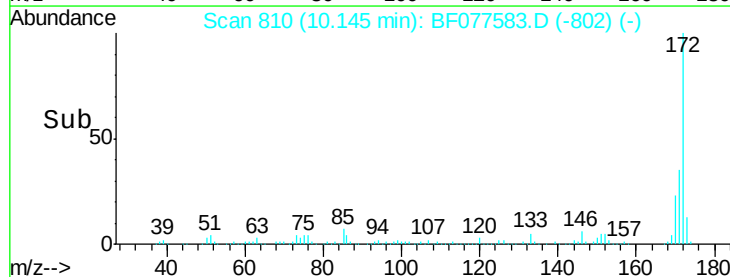
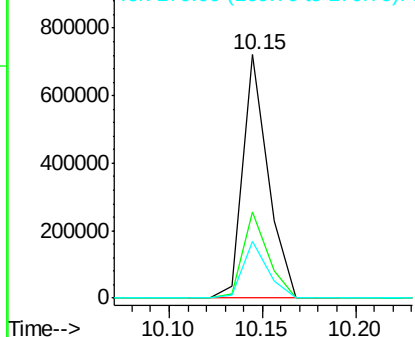


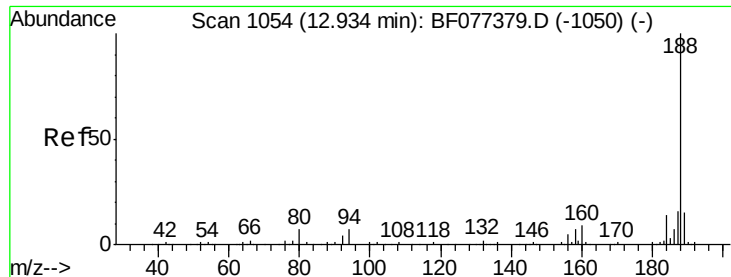
#44  
 2-Fluorobiphenyl  
 Concen: 89.57 ng  
 RT: 10.15 min Scan# 810  
 Delta R.T. -0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

Tgt Ion:172 Resp: 678220  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.9 43.3  
 170 23.5 19.4 29.2



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

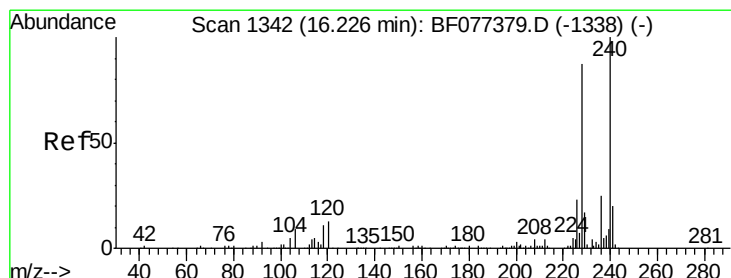
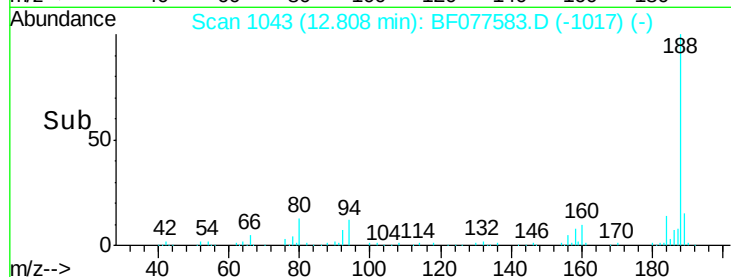
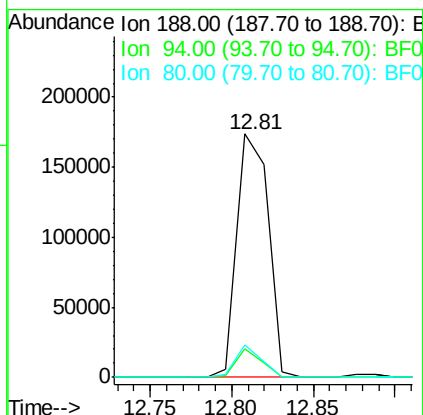
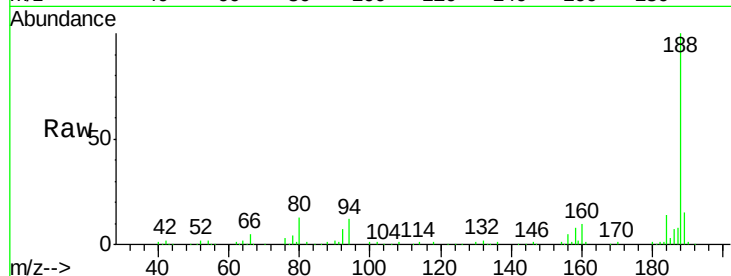




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.81 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BF077583.D  
Acq: 4 Mar 2015 15:49

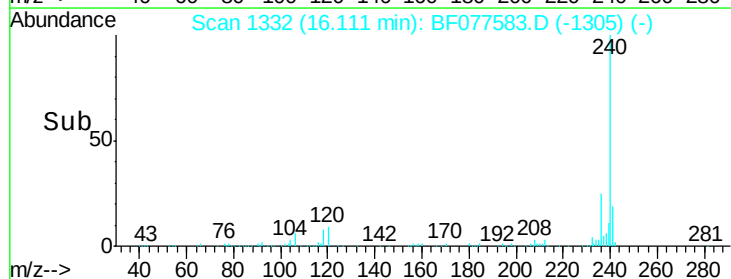
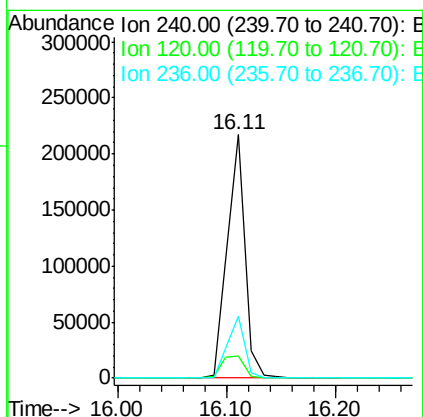
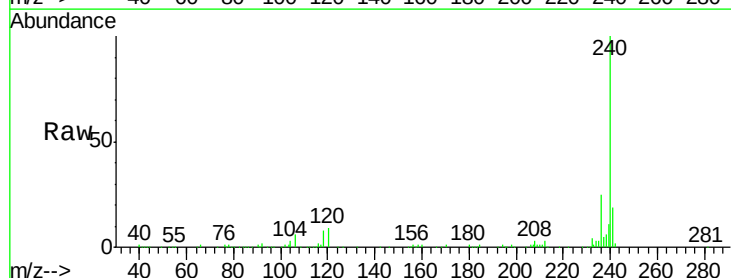
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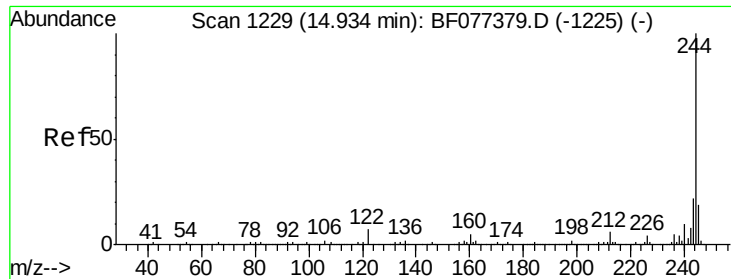
Tgt Ion:188 Resp: 230807  
Ion Ratio Lower Upper  
188 100  
94 11.7 7.4 11.2#  
80 13.3 8.0 12.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.11 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BF077583.D  
Acq: 4 Mar 2015 15:49

Tgt Ion:240 Resp: 243719  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.8 13.2  
236 25.3 20.7 31.1

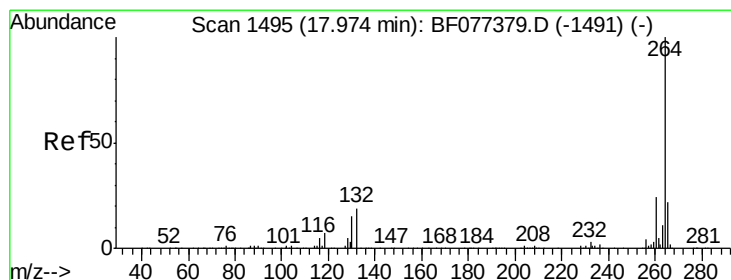
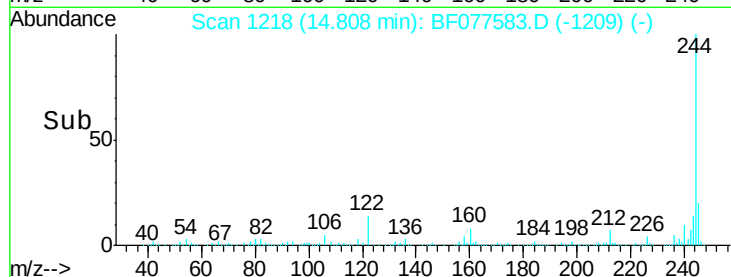
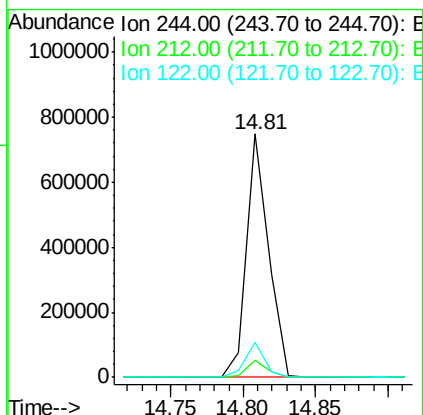
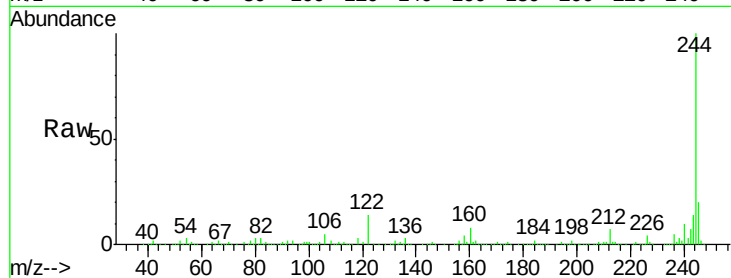




#78  
 Terphenyl-d14  
 Concen: 75.51 ng  
 RT: 14.81 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB81970BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.2   | 7.8   |
| 122     | 14.5  | 7.8   | 11.8  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.89 min Scan# 1487  
 Delta R.T. 0.04 min  
 Lab File: BF077583.D  
 Acq: 4 Mar 2015 15:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.3  | 28.9  |
| 265     | 21.6  | 16.8  | 25.2  |

