

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041515\  
 Data File : BF078554.D  
 Acq On : 16 Apr 2015 00:14  
 Operator : TP/IZ  
 Sample : G1855-04 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB09B(9.5-10)

Quant Time: Apr 16 01:45:06 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 01:25:24 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 33108    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 136709   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.45 | 164  | 68236    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.27 | 188  | 137553   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 15.52 | 240  | 136324   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 17.19 | 264  | 127364   | 20.00 | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.95  | 112  | 27198    | 13.54 | ng    | 0.01     |
| 7) Phenol-d6                | 6.32  | 99   | 35247    | 14.01 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 17628    | 7.82  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.43 | 330  | 8202     | 14.49 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.64  | 172  | 42923    | 8.99  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.26 | 244  | 45439    | 7.53  | ng    | 0.00     |

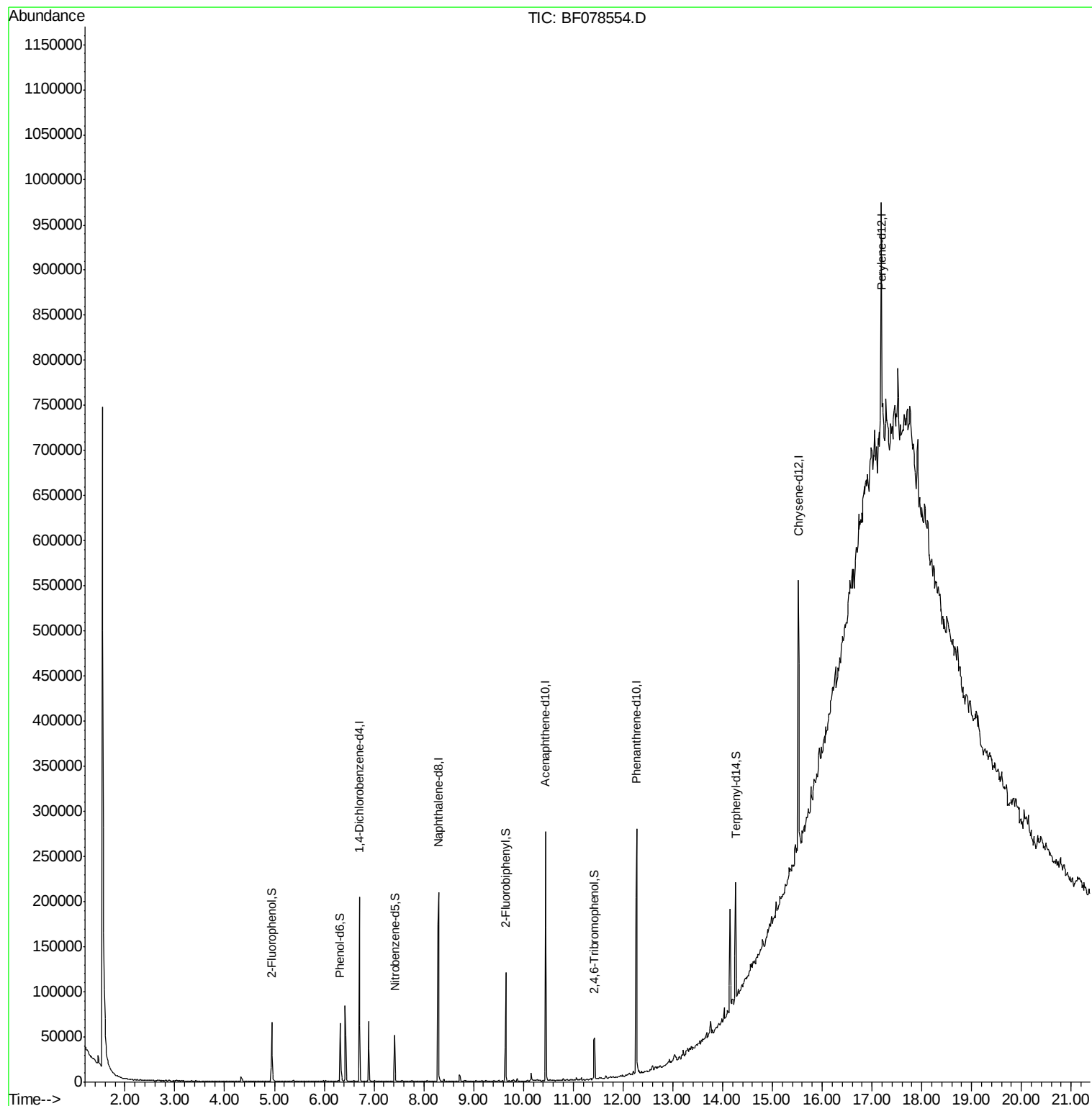
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

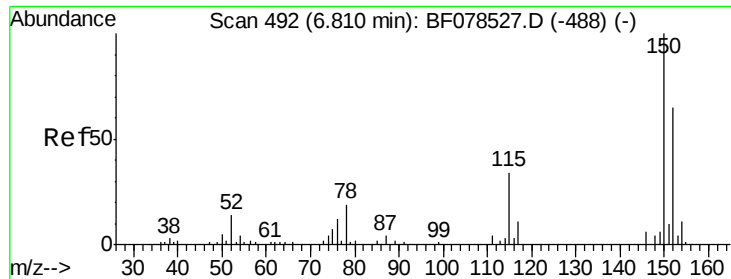
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041515\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB09B(9.5-10)

Quant Time: Apr 16 01:45:06 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 16 01:25:24 2015  
Response via : Initial Calibration



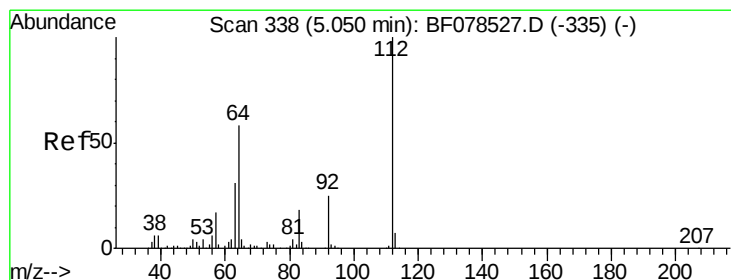
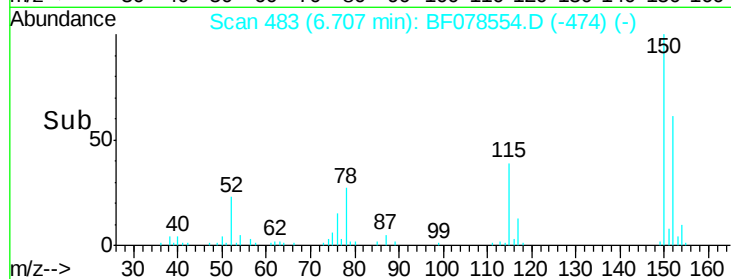
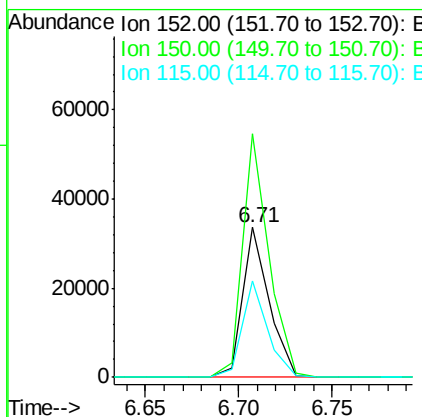
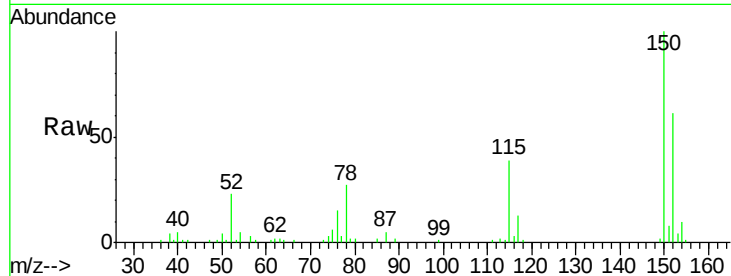


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: BF078554.D  
Acq: 16 Apr 2015 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB09B(9.5-10)

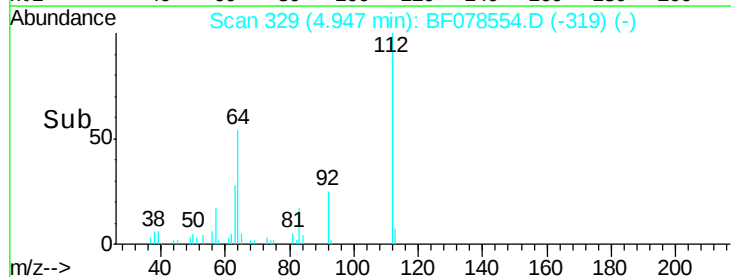
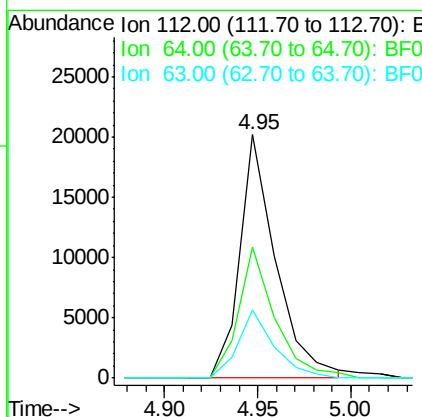
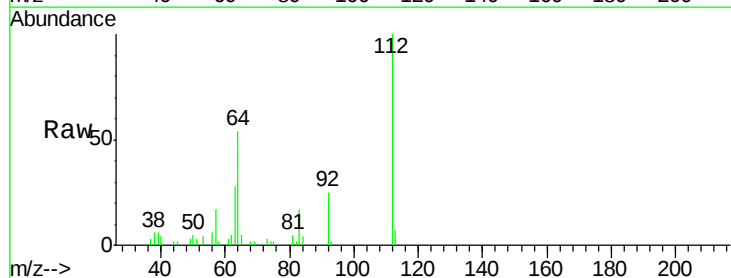
Tgt Ion:152 Resp: 33108  
Ion Ratio Lower Upper  
152 100  
150 162.6 125.9 188.9  
115 64.0 52.7 79.1

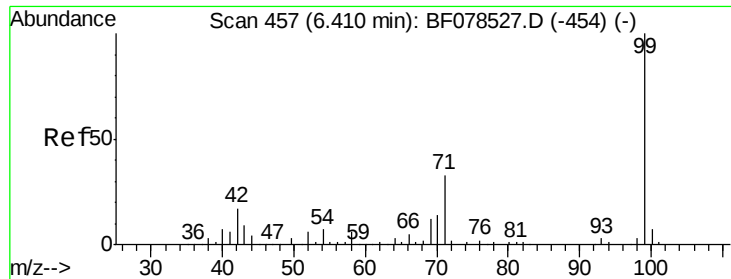


#5

2-Fluorophenol  
Concen: 13.54 ng  
RT: 4.95 min Scan# 329  
Delta R.T. 0.01 min  
Lab File: BF078554.D  
Acq: 16 Apr 2015 00:14

Tgt Ion:112 Resp: 27198  
Ion Ratio Lower Upper  
112 100  
64 53.5 39.9 59.9  
63 28.0 20.2 30.4





#7

Phenol-d6

Concen: 14.01 ng

RT: 6.32 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF078554.D

Acq: 16 Apr 2015 00:14

Instrument :

BNA\_F

ClientSampleId :

LS-SB09B(9.5-10)

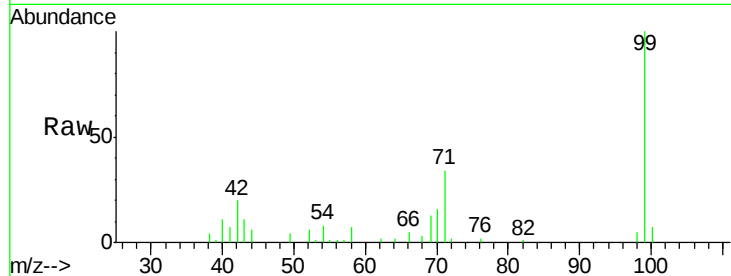
Tgt Ion: 99 Resp: 35247

Ion Ratio Lower Upper

99 100

42 19.9 14.8 22.2

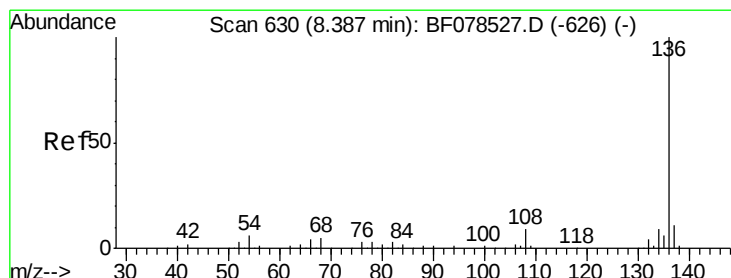
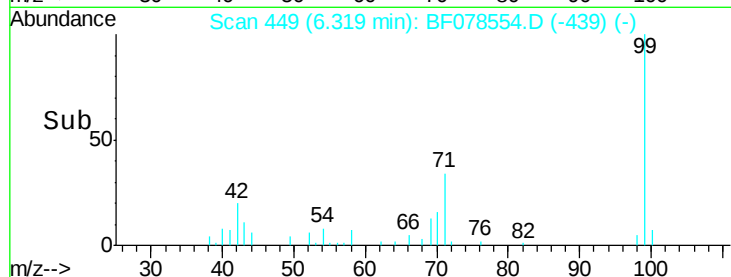
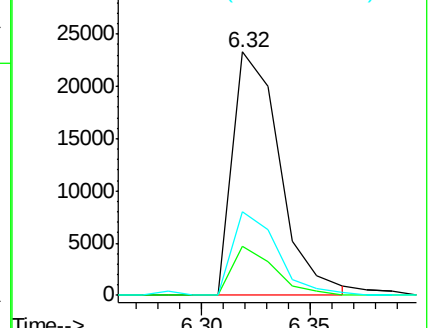
71 34.2 26.6 39.8



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: 8.30 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF078554.D

Acq: 16 Apr 2015 00:14

Tgt Ion: 136 Resp: 136709

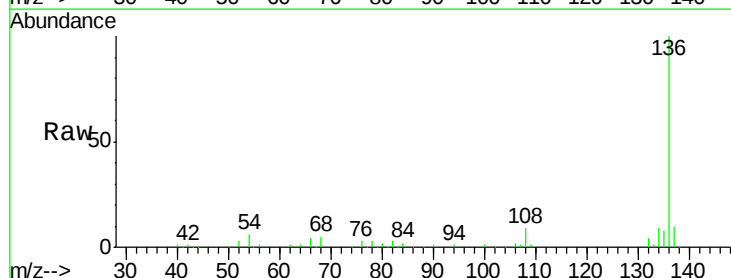
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.5 7.0 10.6#

68 4.6 5.4 8.2#

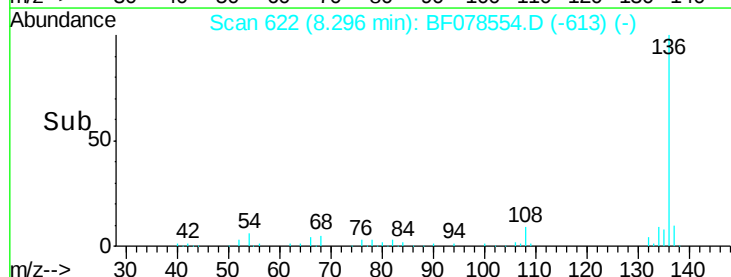
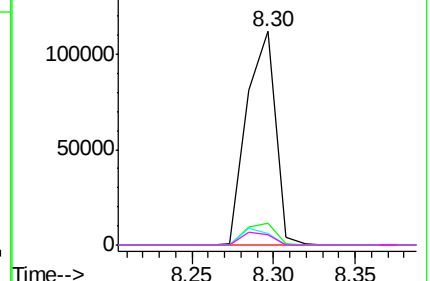


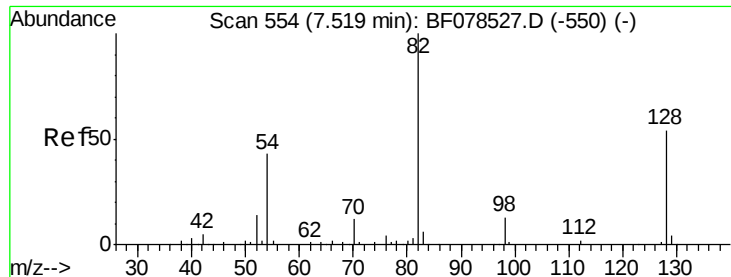
Abundance Ion 136.00 (135.70 to 136.70): E

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

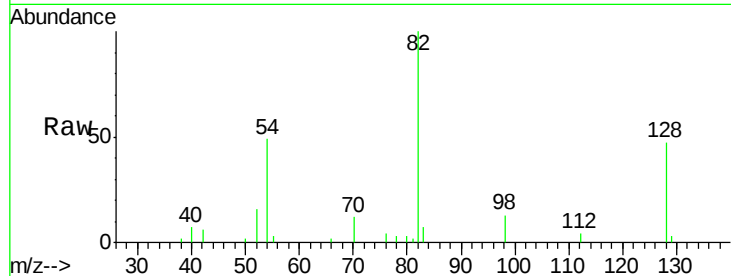




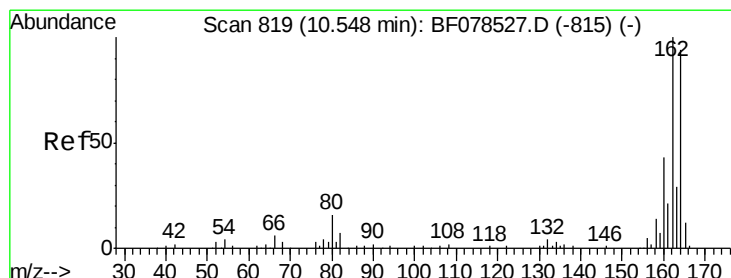
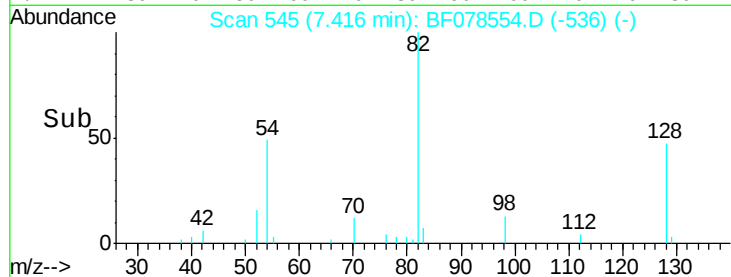
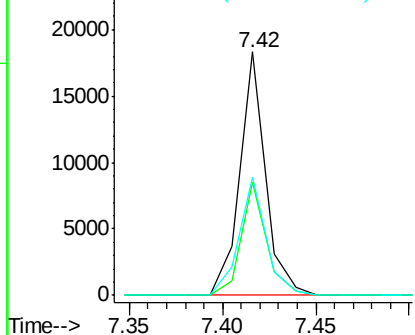
#23  
 Nitrobenzene-d5  
 Concen: 7.82 ng  
 RT: 7.42 min Scan# 545  
 Delta R.T. 0.00 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB09B(9.5-10)

Tgt Ion: 82 Resp: 17628  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 31.8 47.8  
 54 48.6 41.5 62.3

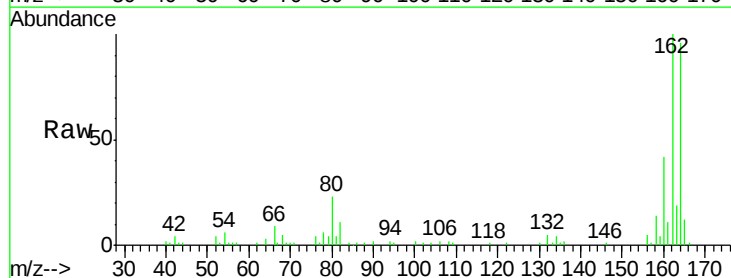


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

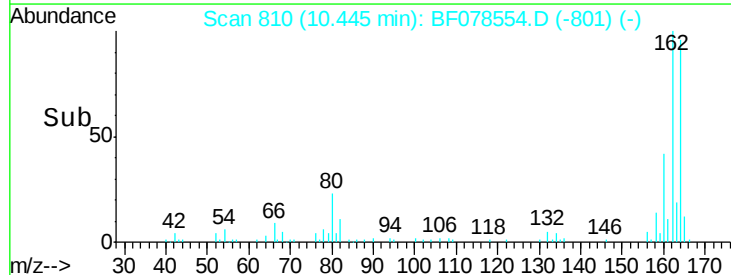
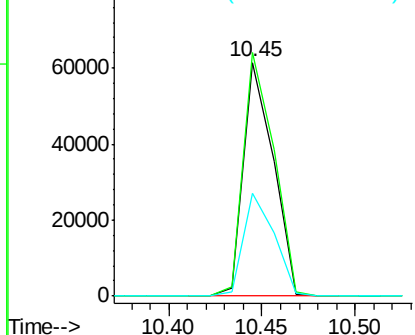


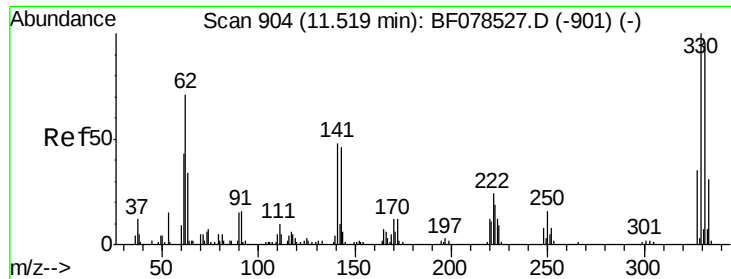
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.45 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Tgt Ion: 164 Resp: 68236  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 82.2 123.2  
 160 44.3 34.7 52.1



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

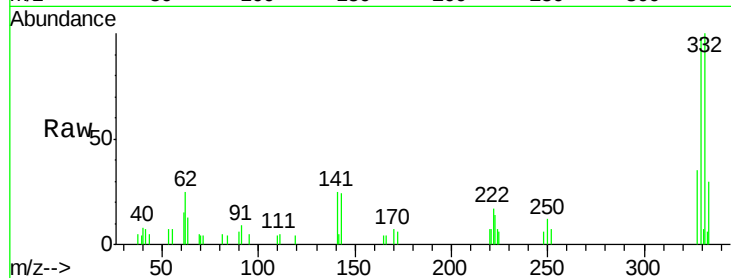




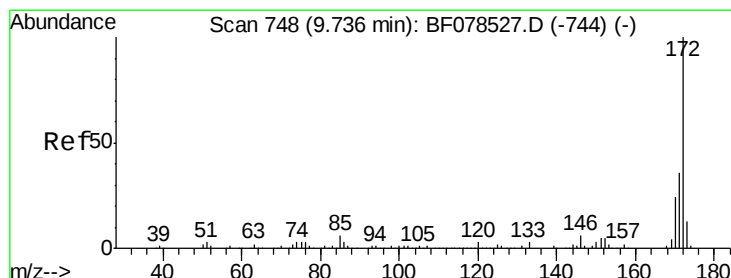
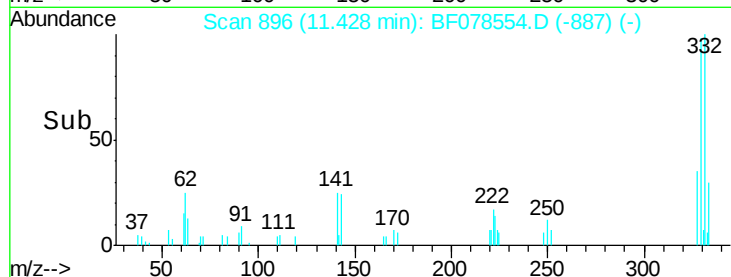
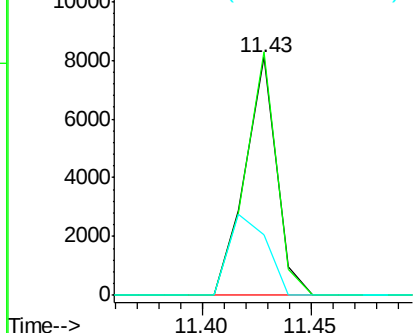
#41  
 2,4,6-Tribromophenol  
 Concen: 14.49 ng  
 RT: 11.43 min Scan# 896  
 Delta R.T. 0.00 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Instrument :  
 BNA\_F  
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 LS-SB09B(9.5-10)

Tgt Ion:330 Resp: 8202  
 Ion Ratio Lower Upper  
 330 100  
 332 100.2 78.6 117.8  
 141 40.2 31.2 46.8

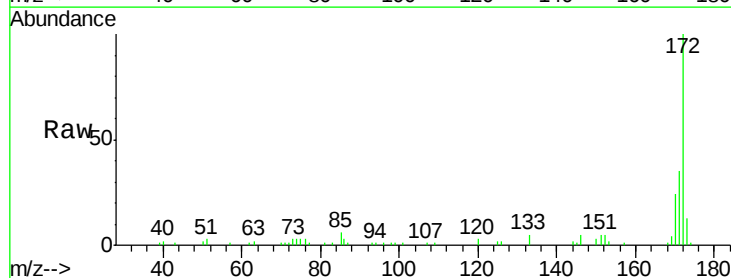


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

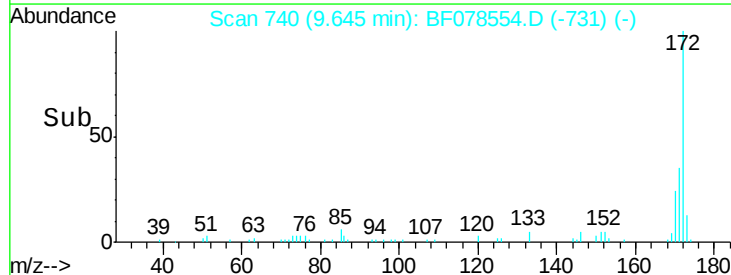
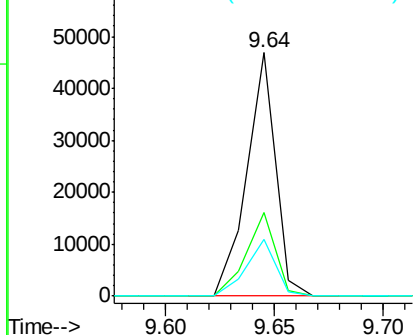


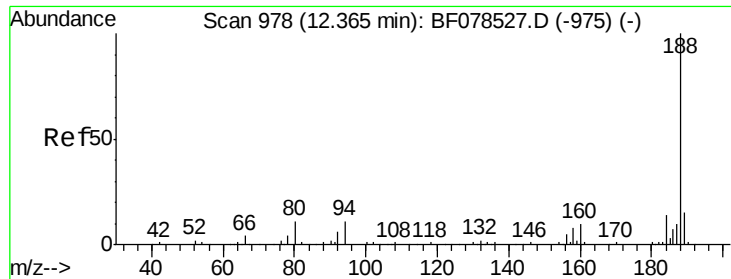
#44  
 2-Fluorobiphenyl  
 Concen: 8.99 ng  
 RT: 9.64 min Scan# 740  
 Delta R.T. 0.00 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Tgt Ion:172 Resp: 42923  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 28.6 42.8  
 170 23.5 18.5 27.7



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

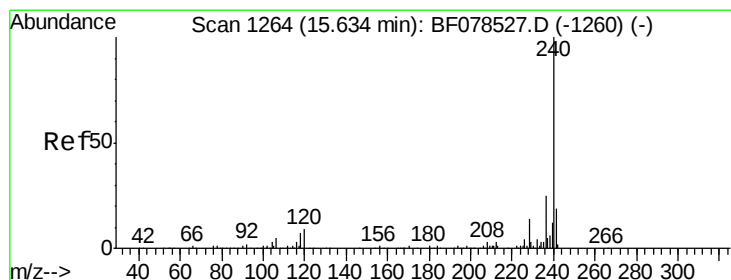
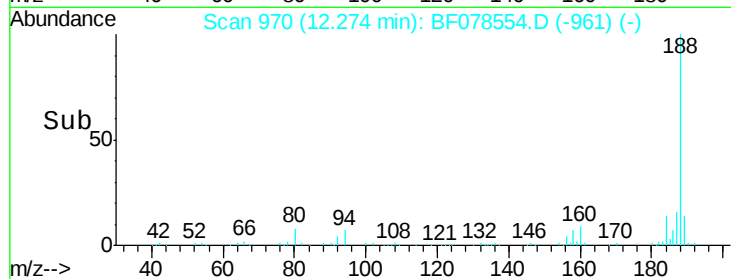
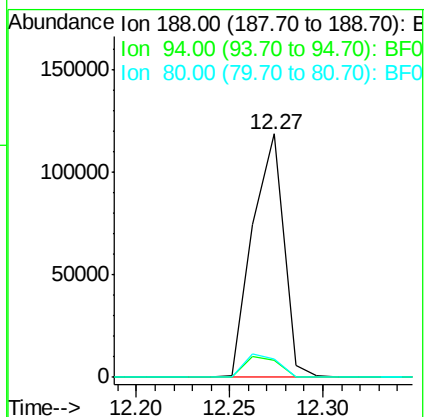
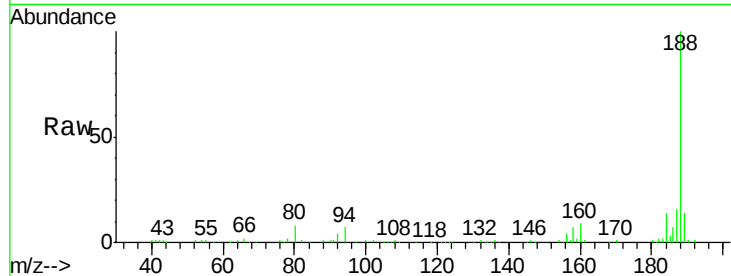




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.27 min Scan# 970  
Delta R.T. 0.00 min  
Lab File: BF078554.D  
Acq: 16 Apr 2015 00:14

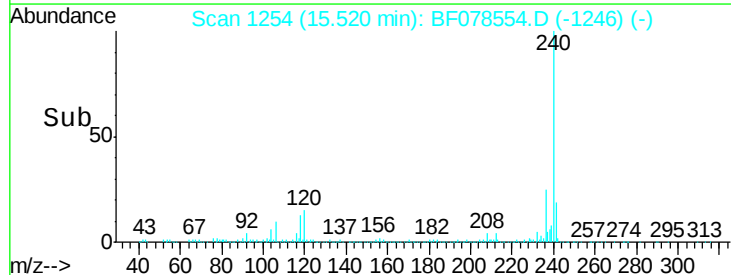
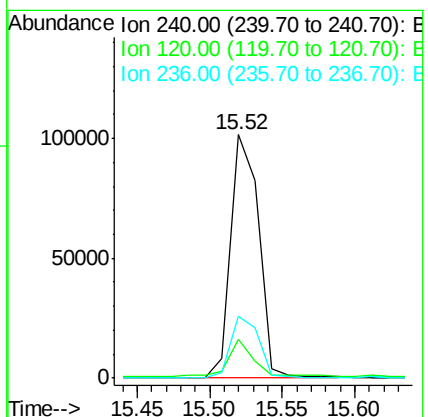
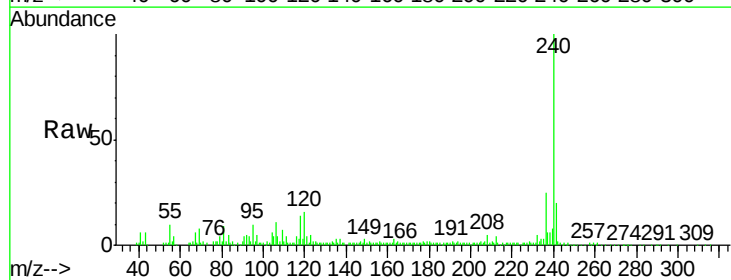
Instrument :  
BNA\_F  
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LS-SB09B(9.5-10)

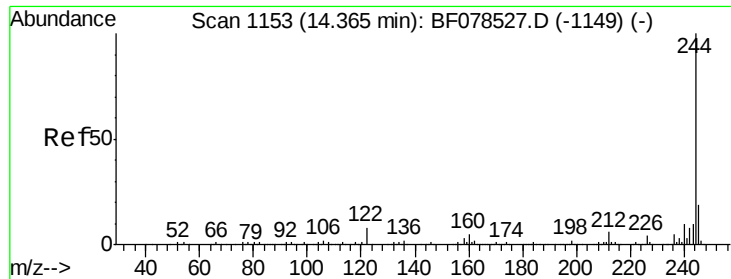
Tgt Ion:188 Resp: 137553  
Ion Ratio Lower Upper  
188 100  
94 7.2 9.0 13.4#  
80 7.6 9.5 14.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.52 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF078554.D  
Acq: 16 Apr 2015 00:14

Tgt Ion:240 Resp: 136324  
Ion Ratio Lower Upper  
240 100  
120 15.8 7.1 10.7#  
236 25.3 21.4 32.2

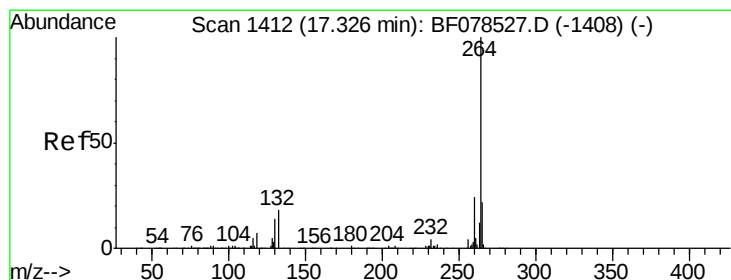
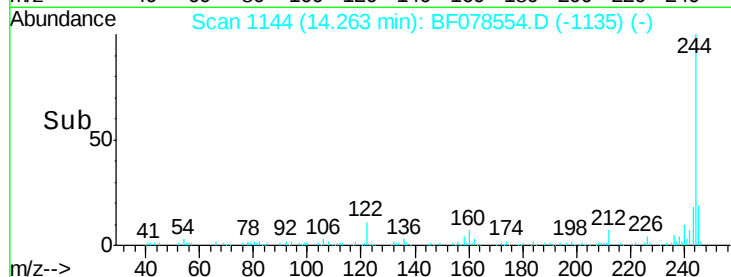
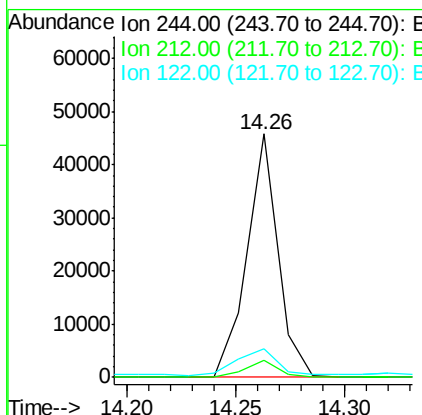
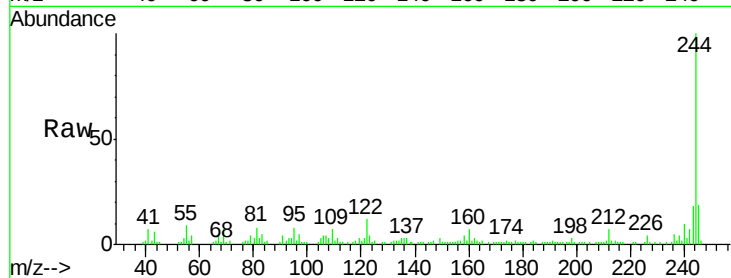




#78  
 Terphenyl-d14  
 Concen: 7.53 ng  
 RT: 14.26 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Instrument :  
 BNA\_F  
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 LS-SB09B(9.5-10)

Tgt Ion:244 Resp: 45439  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.0 7.4  
 122 11.9 7.1 10.7#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.19 min Scan# 1400  
 Delta R.T. -0.11 min  
 Lab File: BF078554.D  
 Acq: 16 Apr 2015 00:14

Tgt Ion:264 Resp: 127364  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.6 27.8  
 265 21.5 17.0 25.6

