

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\  
 Data File : BF077505.D  
 Acq On : 27 Feb 2015 14:35  
 Operator : TP/IZ  
 Sample : G1377-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3

Quant Time: Feb 27 22:47:26 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 27 22:28:54 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 75826    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.83  | 136  | 313968   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.01 | 164  | 171944   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.85 | 188  | 347276   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 16.14 | 240  | 406106   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 17.88 | 264  | 389056   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 187004   | 41.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.81  | 99   | 130672   | 22.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.95  | 82   | 303219   | 60.06 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.99 | 330  | 141295   | 85.34 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.18 | 172  | 655161   | 59.41 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.85 | 244  | 835505   | 48.10 | ng    | 0.00     |

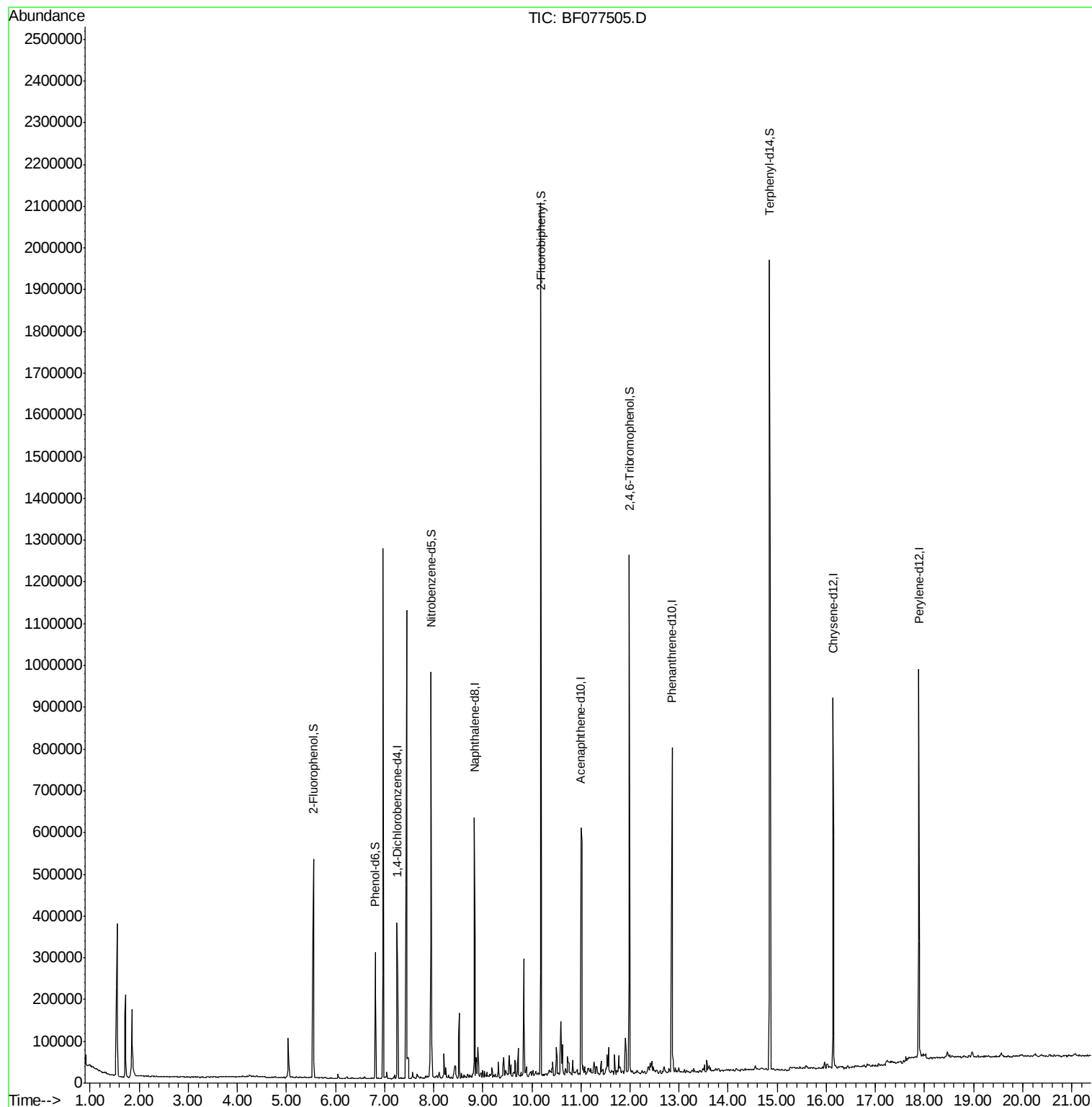
Target Compounds Qvalue

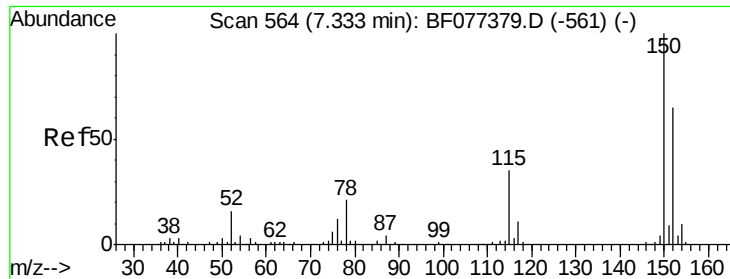
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

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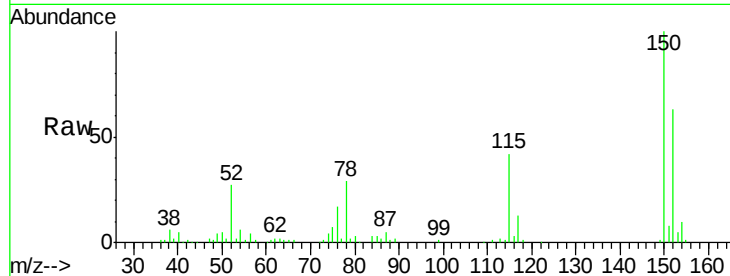


#1

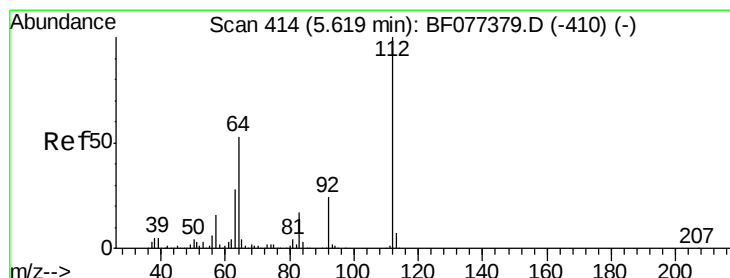
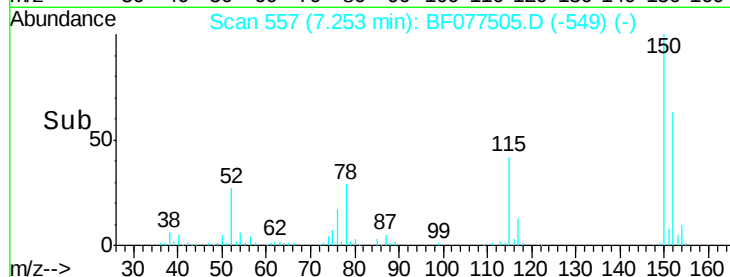
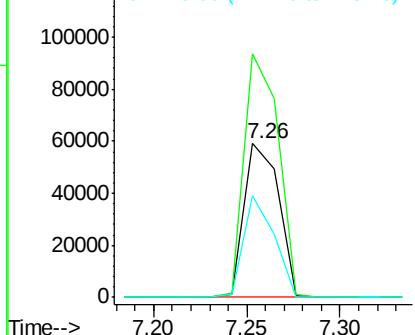
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 557  
Delta R.T. -0.00 min  
Lab File: BF077505.D  
Acq: 27 Feb 2015 14:35

Instrument :  
BNA\_F  
ClientSampleId :  
RW-3

Tot Ion:152 Resp: 75826  
Ion Ratio Lower Upper  
152 100  
150 158.2 124.0 186.0  
115 65.7 49.4 74.2



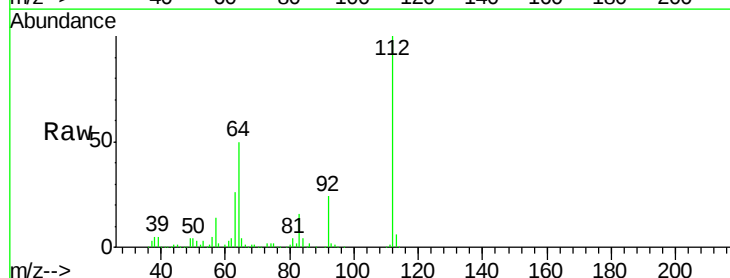
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



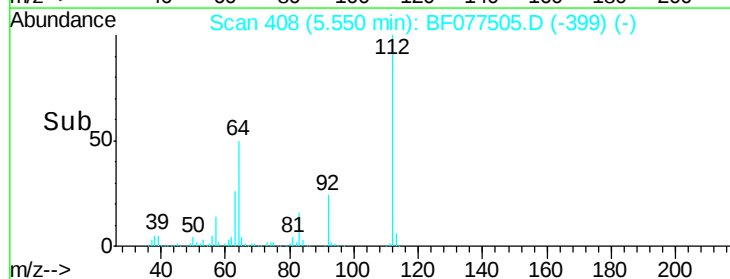
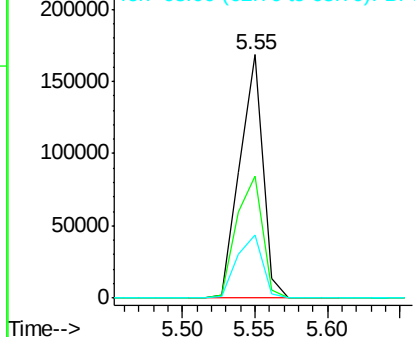
#5

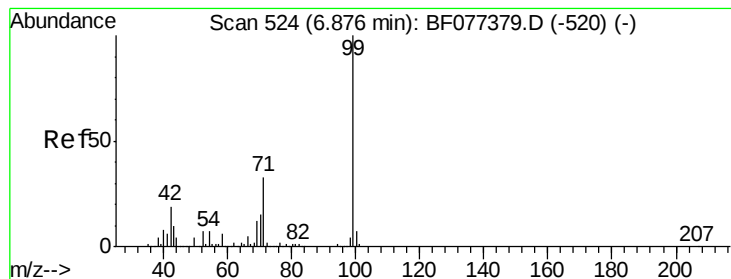
2-Fluorophenol  
Concen: 41.17 ng  
RT: 5.55 min Scan# 408  
Delta R.T. 0.00 min  
Lab File: BF077505.D  
Acq: 27 Feb 2015 14:35

Tgt Ion:112 Resp: 187004  
Ion Ratio Lower Upper  
112 100  
64 50.4 48.5 72.7  
63 25.7 25.0 37.4



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: 22.38 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF077505.D

Acq: 27 Feb 2015 14:35

Instrument :

BNA\_F

ClientSampleId :

RW-3

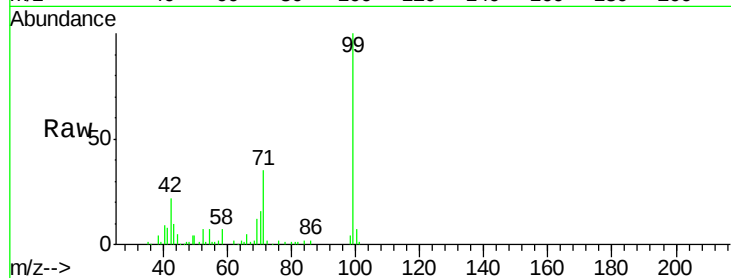
Tot Ion: 99 Resp: 130672

Ion Ratio Lower Upper

99 100

42 21.6 16.2 24.4

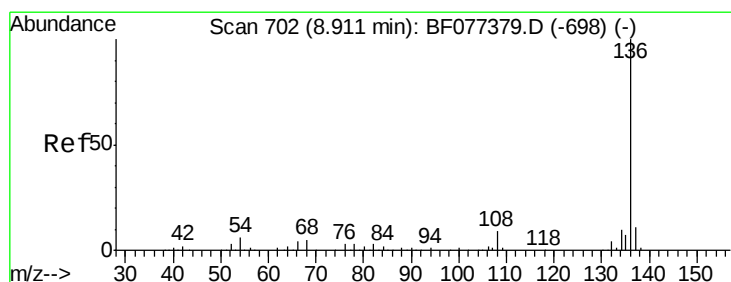
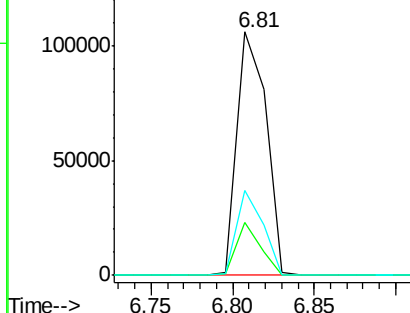
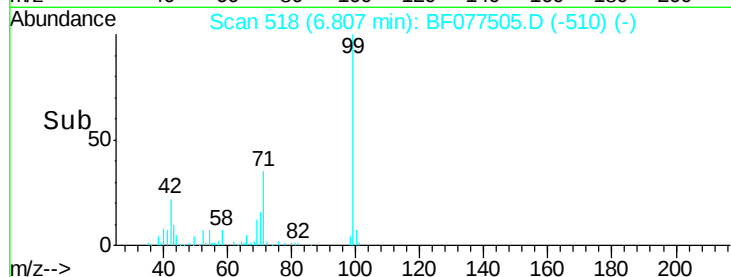
71 34.8 26.7 40.1



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: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077505.D

Acq: 27 Feb 2015 14:35

Tgt Ion:136 Resp: 313968

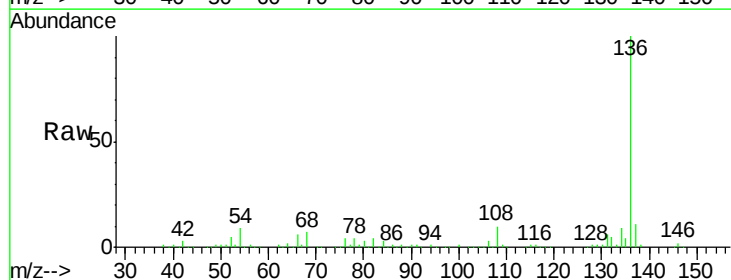
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.1 6.2 9.4

68 7.1 5.0 7.6

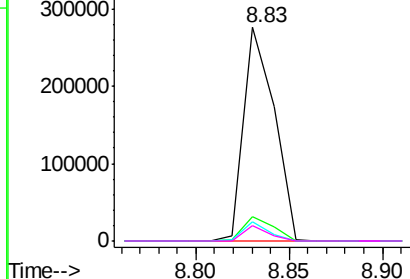
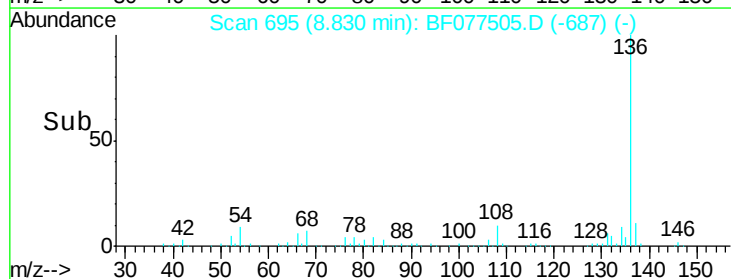


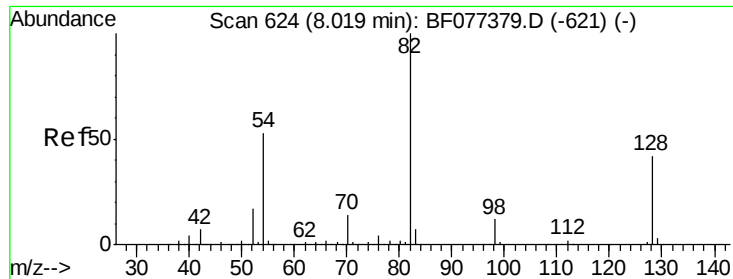
Abundance Ion 136.00 (135.70 to 136.70): E

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

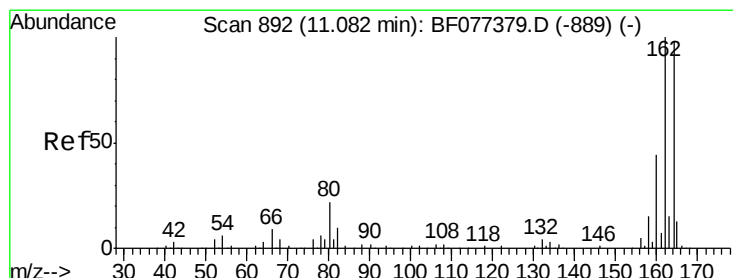
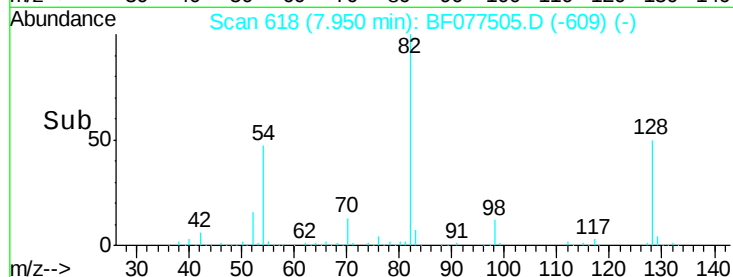
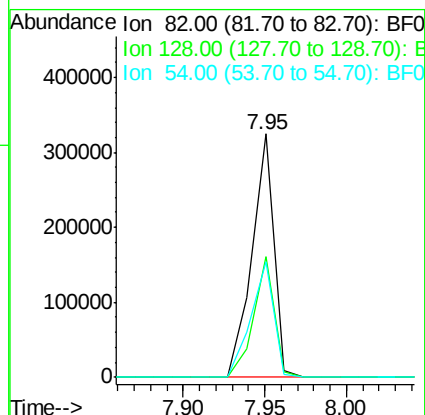
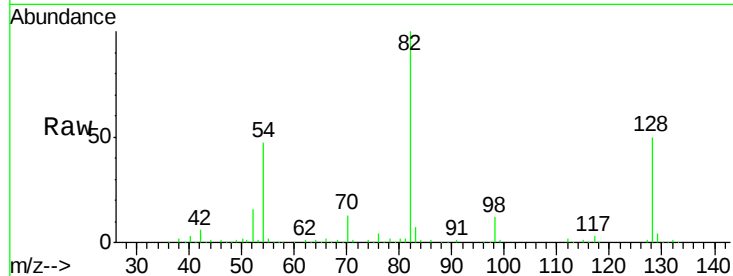




#23  
 Nitrobenzene-d5  
 Concen: 60.06 ng  
 RT: 7.95 min Scan# 618  
 Delta R.T. -0.00 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

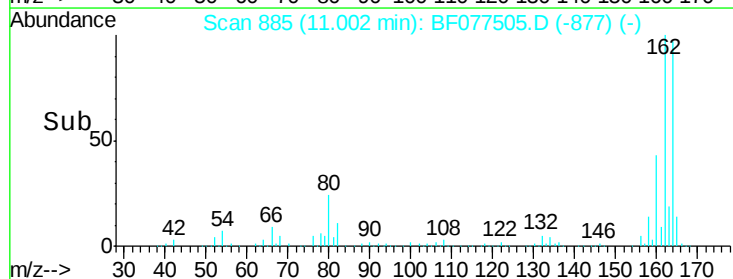
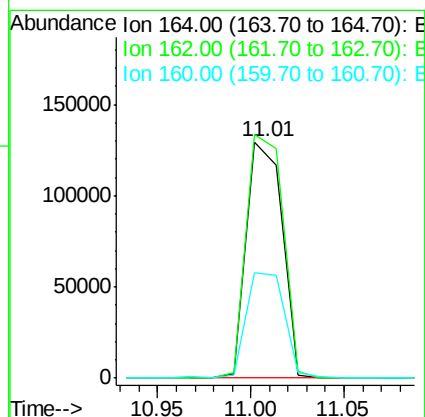
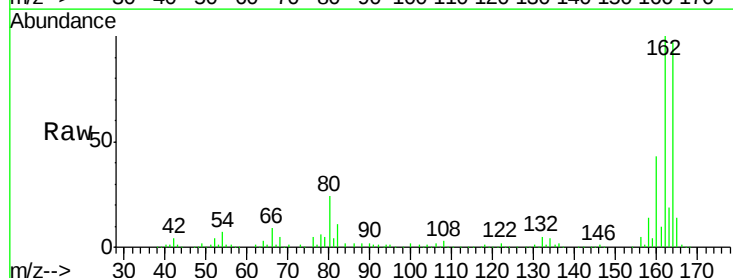
Instrument :  
 BNA\_F  
 ClientSampled :  
 RW-3

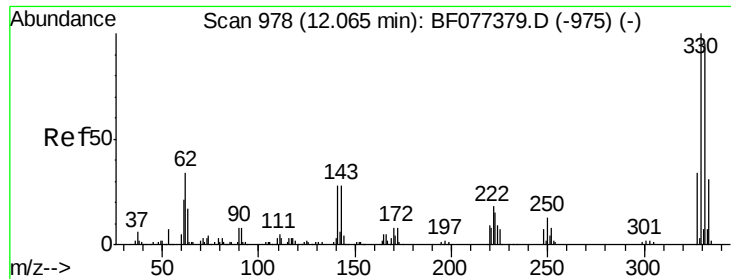
Tot Ion: 82 Resp: 303219  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 43.8 65.8  
 54 47.4 36.7 55.1



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.01 min Scan# 885  
 Delta R.T. -0.00 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

Tgt Ion: 164 Resp: 171944  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 83.2 124.8  
 160 44.7 34.6 52.0

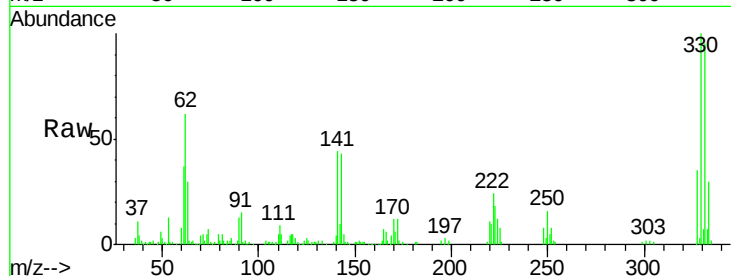




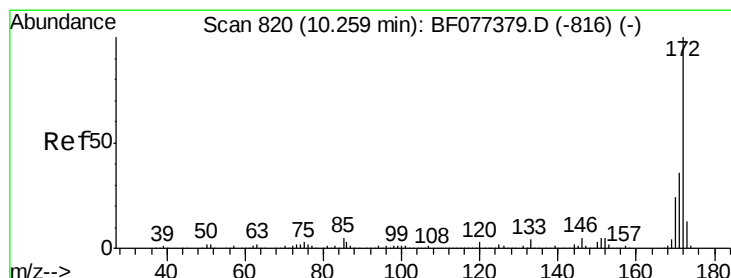
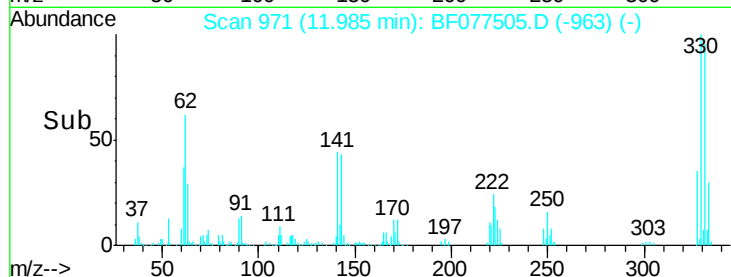
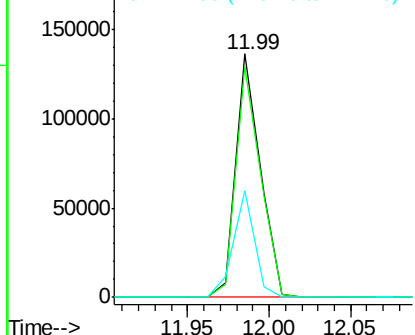
#41  
 2,4,6-Tribromophenol  
 Concen: 85.34 ng  
 RT: 11.99 min Scan# 971  
 Delta R.T. -0.00 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.4  | 116.2 |
| 141     | 38.3  | 28.8  | 43.2  |

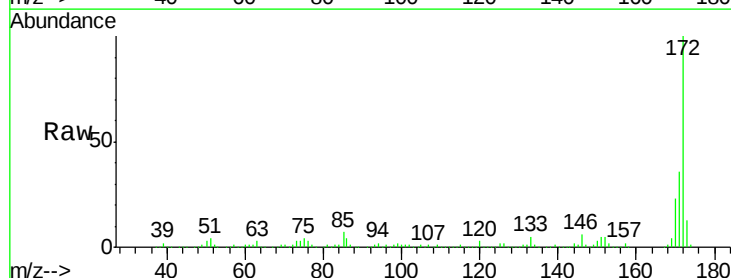


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

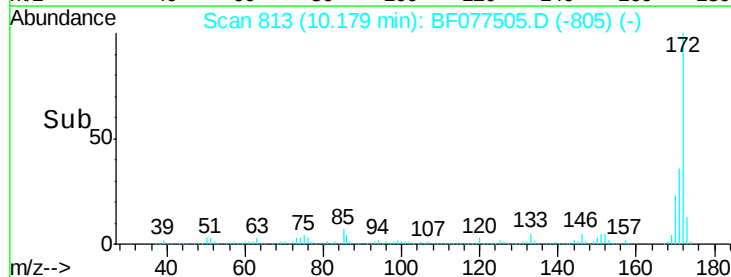
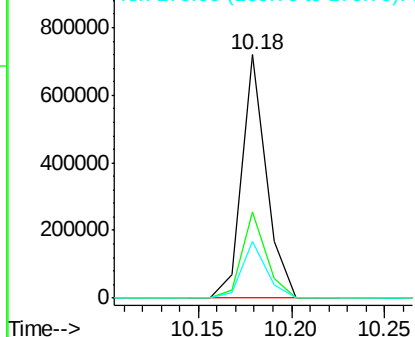


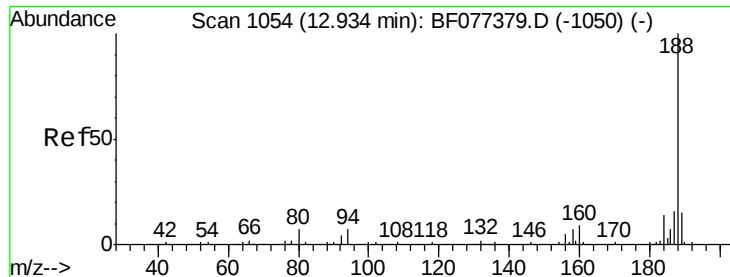
#44  
 2-Fluorobiphenyl  
 Concen: 59.41 ng  
 RT: 10.18 min Scan# 813  
 Delta R.T. -0.00 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.9  | 43.3  |
| 170     | 23.4  | 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: 12.85 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF077505.D

Acq: 27 Feb 2015 14:35

Instrument :

BNA\_F

ClientSampleId :

RW-3

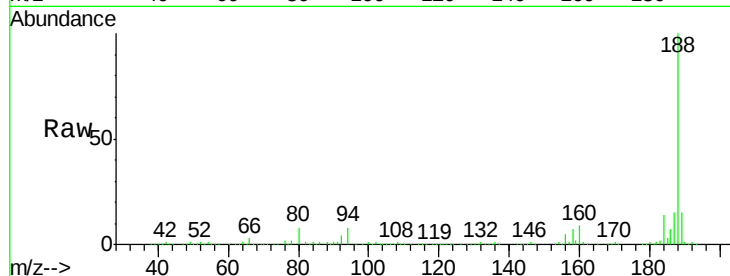
Tot Ion:188 Resp: 347276

Ion Ratio Lower Upper

188 100

94 7.6 7.4 11.2

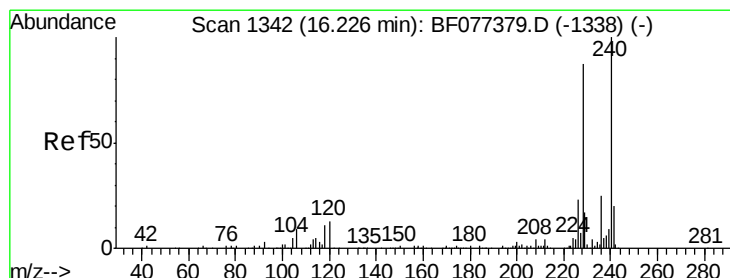
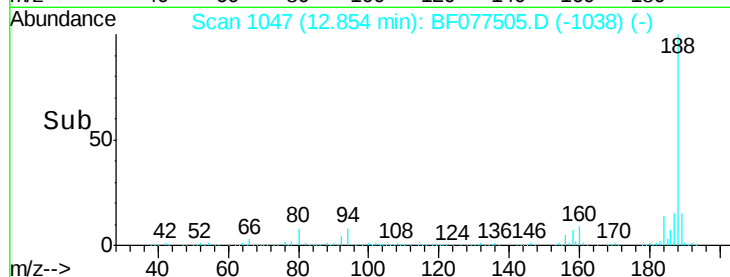
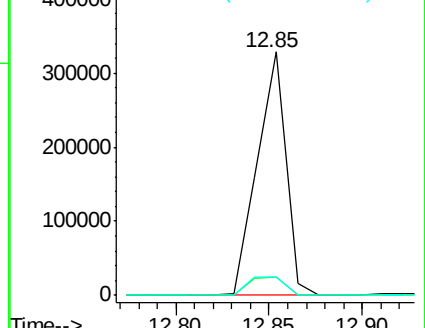
80 7.5 8.0 12.0#



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: 16.14 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF077505.D

Acq: 27 Feb 2015 14:35

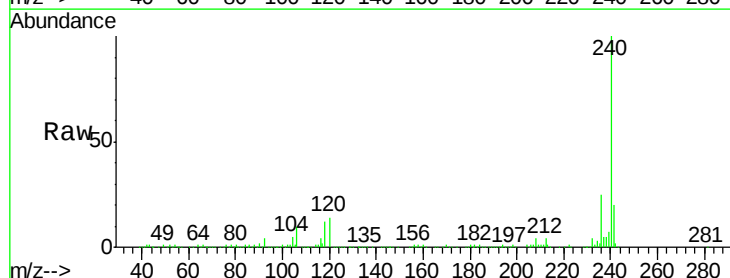
Tgt Ion:240 Resp: 406106

Ion Ratio Lower Upper

240 100

120 13.9 8.8 13.2#

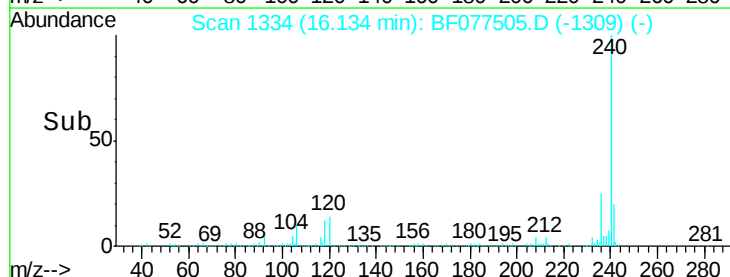
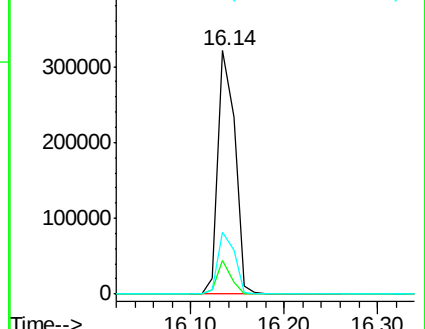
236 25.4 20.7 31.1

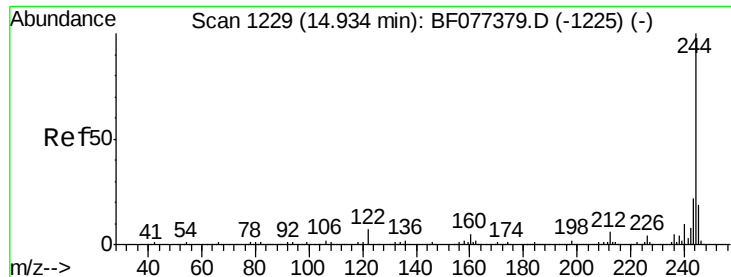


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

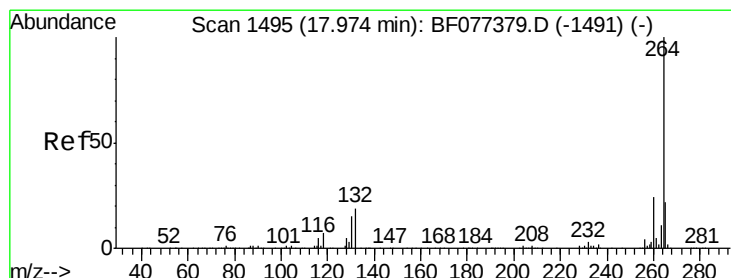
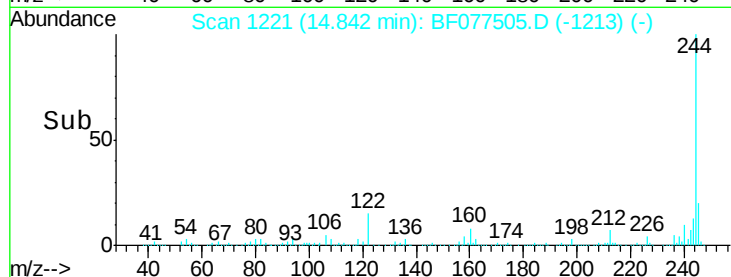
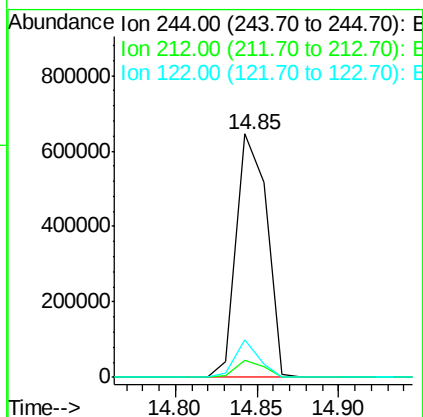
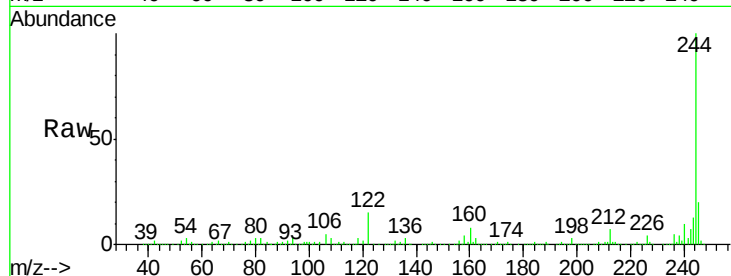




#78  
 Terphenyl-d14  
 Concen: 48.10 ng  
 RT: 14.85 min Scan# 1221  
 Delta R.T. -0.00 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3

Tot Ion:244 Resp: 835505  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.2 7.8  
 122 15.2 7.8 11.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.88 min Scan# 1487  
 Delta R.T. -0.02 min  
 Lab File: BF077505.D  
 Acq: 27 Feb 2015 14:35

Tgt Ion:264 Resp: 389056  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.3 28.9  
 265 22.1 16.8 25.2

