

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\  
 Data File : BF077506.D  
 Acq On : 27 Feb 2015 15:03  
 Operator : TP/IZ  
 Sample : G1377-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-1

Quant Time: Feb 27 22:55:11 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

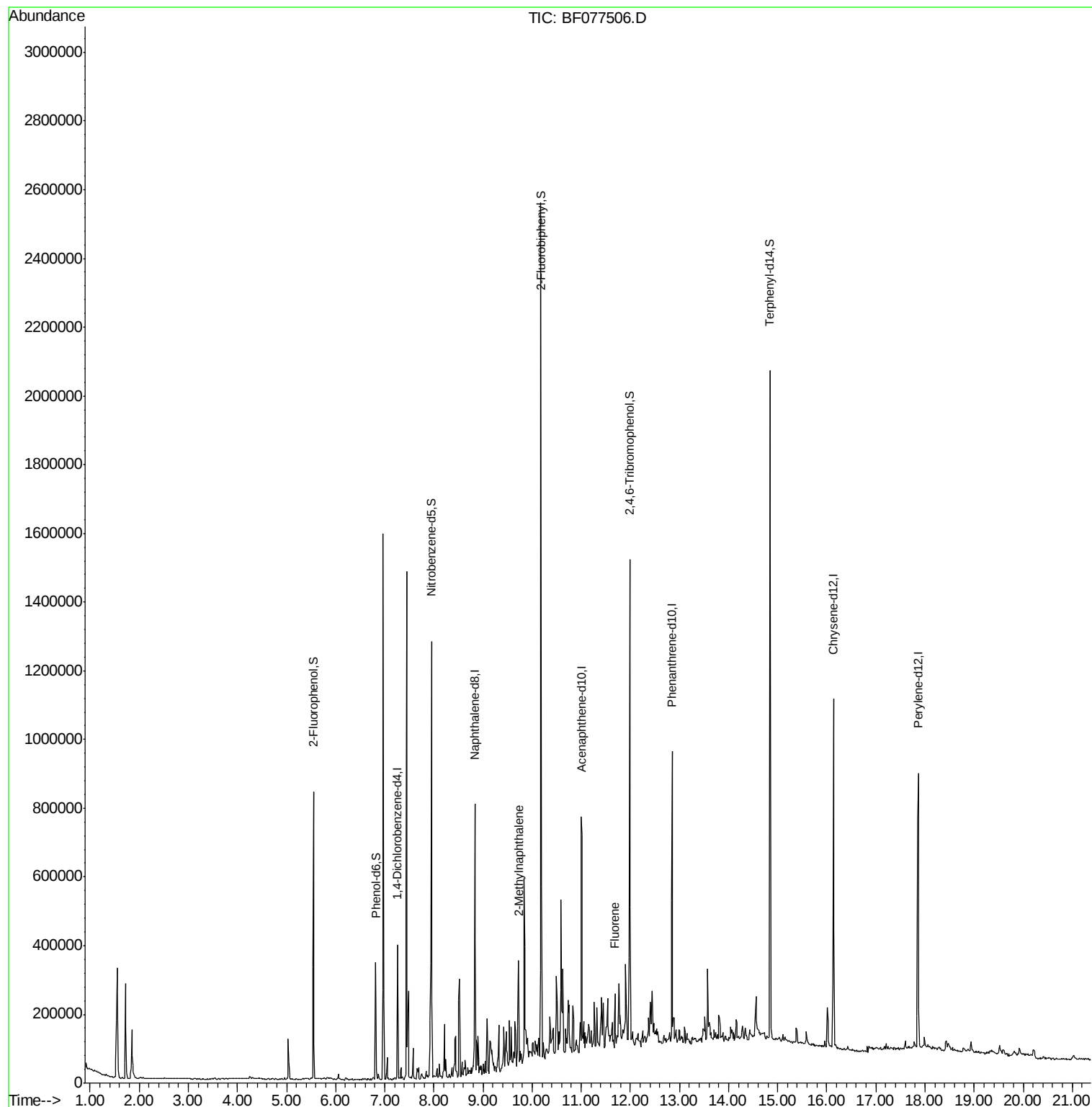
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 87331    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.83  | 136  | 350239   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.01 | 164  | 183921   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.85 | 188  | 371869   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 16.14 | 240  | 401178   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 17.86 | 264  | 427446   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 262343   | 50.15 | ng    | 0.00     |
| 7) Phenol-d6                | 6.81  | 99   | 175739   | 26.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.95  | 82   | 377356   | 67.00 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.99 | 330  | 170496   | 96.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.18 | 172  | 778020   | 65.96 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.85 | 244  | 907186   | 52.86 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 37) 2-Methylnaphthalene     | 9.72  | 142  | 83739    | 6.73  | ng    | 99       |
| 57) Fluorene                | 11.69 | 166  | 31001    | 2.43  | ng    | # 95     |

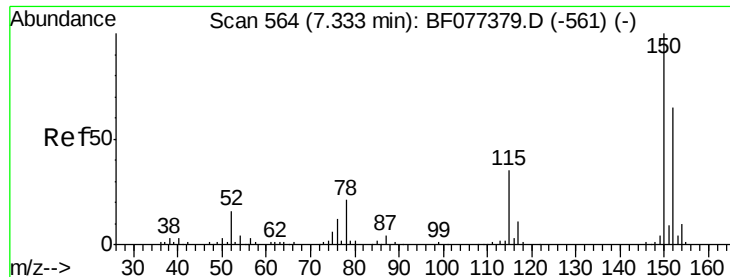
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022715\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Feb 27 22:55:11 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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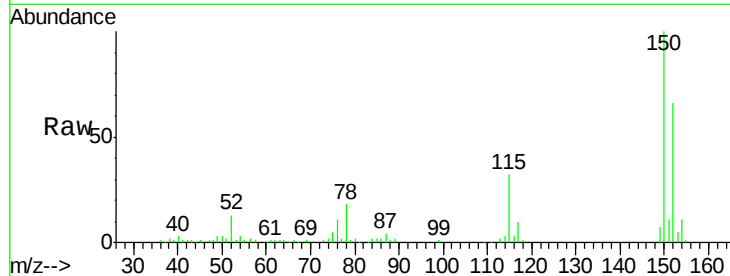


#1

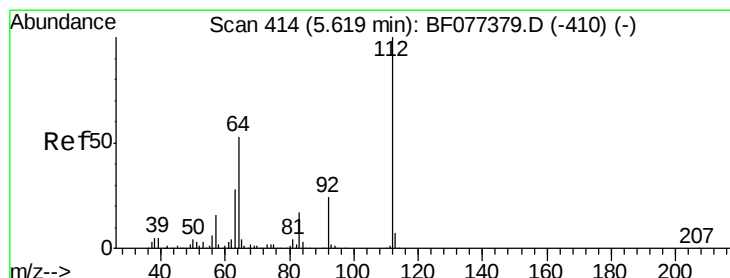
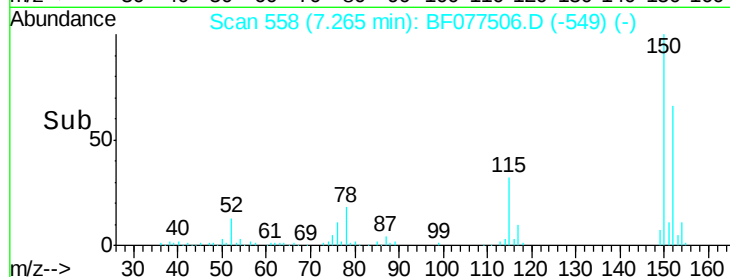
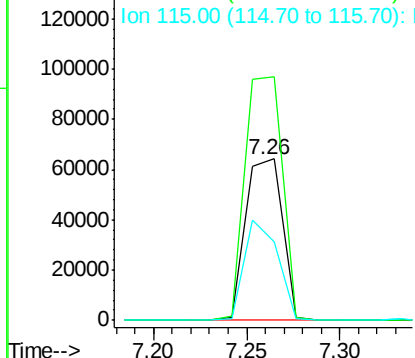
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 558  
Delta R.T. -0.00 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
RW-1

Tot Ion:152 Resp: 87331  
Ion Ratio Lower Upper  
152 100  
150 151.1 124.0 186.0  
115 49.0 49.4 74.2#



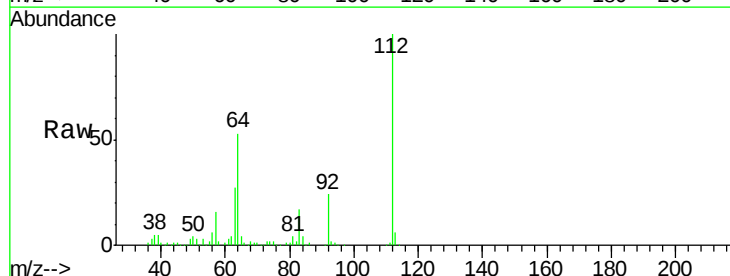
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



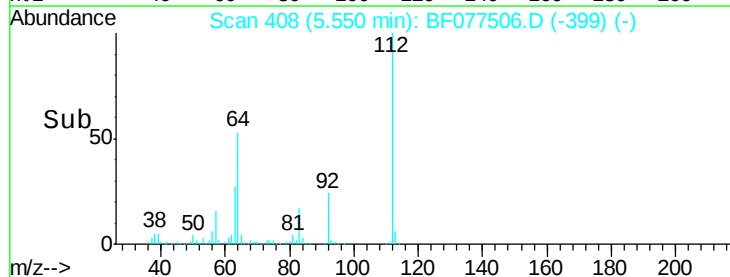
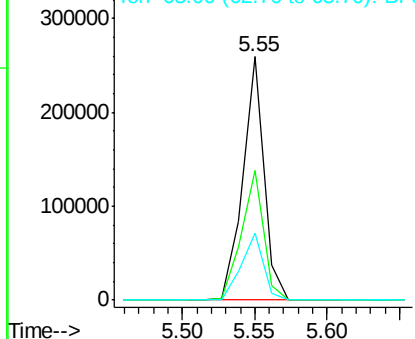
#5

2-Fluorophenol  
Concen: 50.15 ng  
RT: 5.55 min Scan# 408  
Delta R.T. 0.00 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

Tgt Ion:112 Resp: 262343  
Ion Ratio Lower Upper  
112 100  
64 53.4 48.5 72.7  
63 27.3 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: 26.13 ng

RT: 6.81 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077506.D

Acq: 27 Feb 2015 15:03

Instrument :

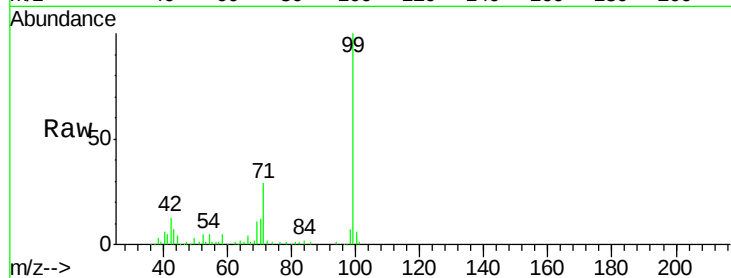
BNA\_F

ClientSampleId :

RW-1

Tot Ion: 99 Resp: 175739

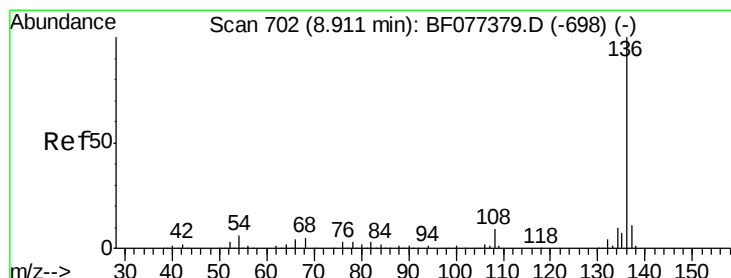
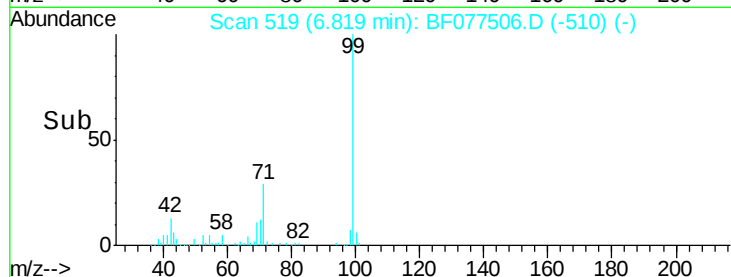
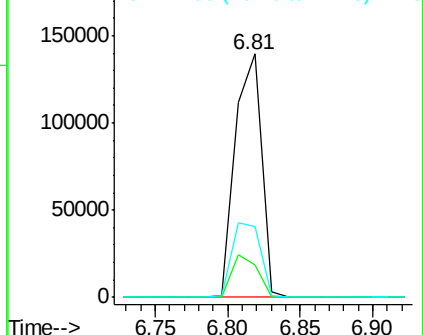
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.4  | 16.2  | 24.4# |
| 71  | 29.1  | 26.7  | 40.1  |



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

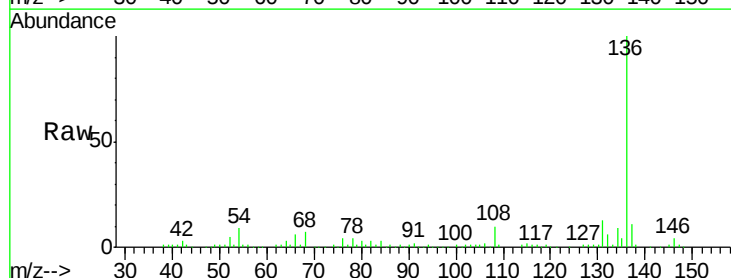
Delta R.T. -0.00 min

Lab File: BF077506.D

Acq: 27 Feb 2015 15:03

Tgt Ion: 136 Resp: 350239

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.6   | 13.0  |
| 54  | 8.8   | 6.2   | 9.4   |
| 68  | 6.7   | 5.0   | 7.6   |

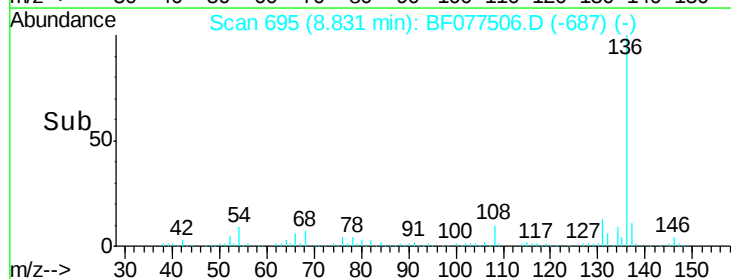
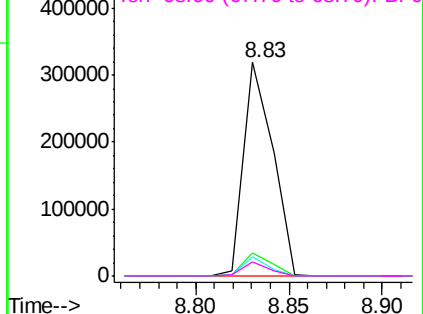


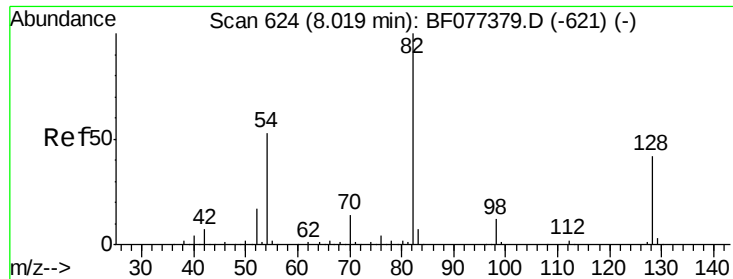
Abundance Ion 136.00 (135.70 to 136.70): E

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

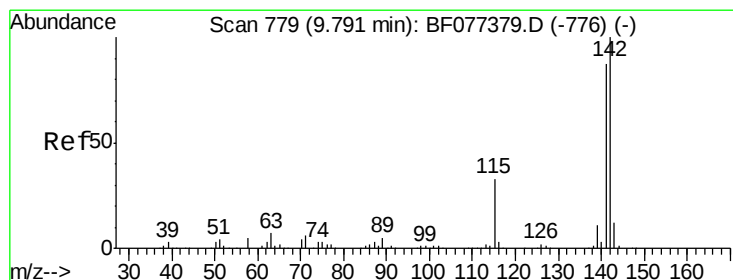
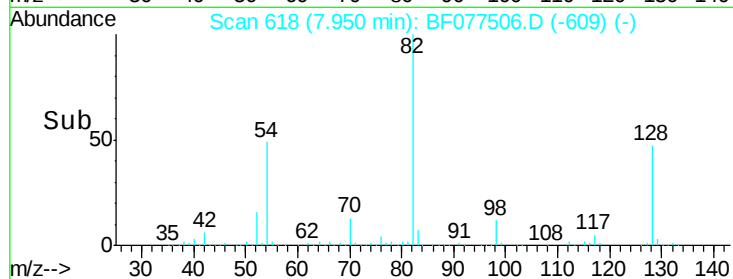
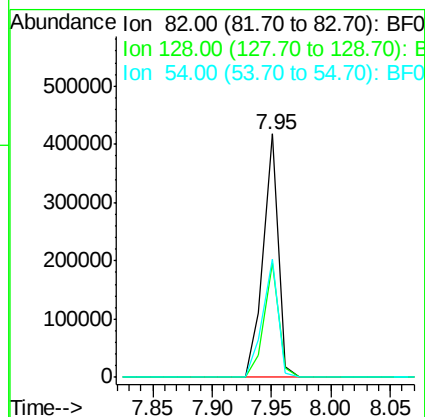
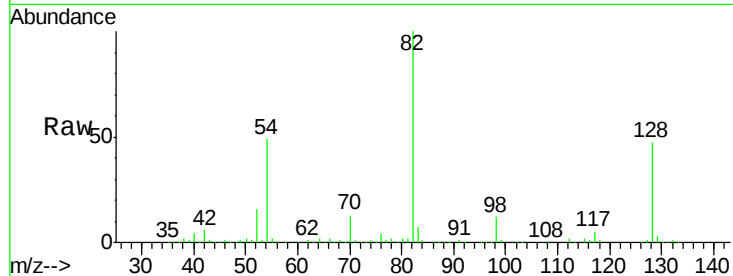




#23  
 Nitrobenzene-d5  
 Concen: 67.00 ng  
 RT: 7.95 min Scan# 618  
 Delta R.T. -0.00 min  
 Lab File: BF077506.D  
 Acq: 27 Feb 2015 15:03

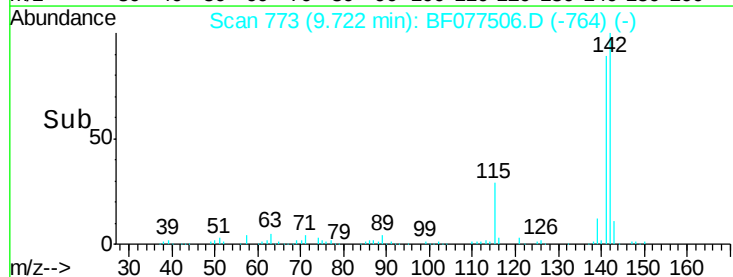
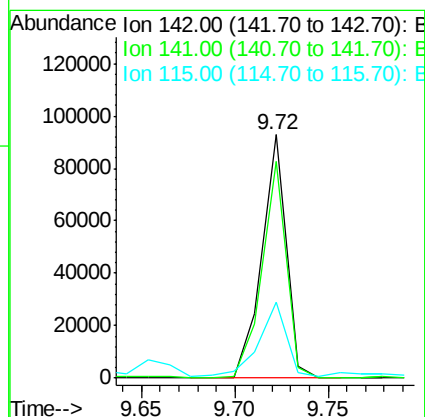
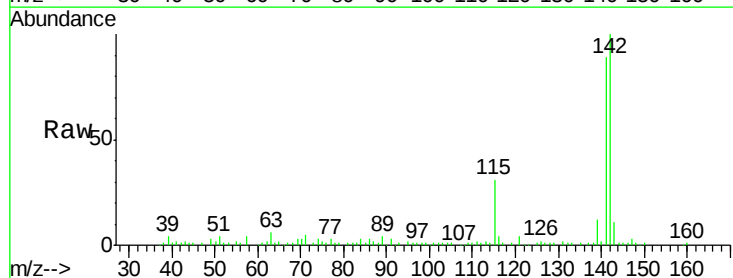
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-1

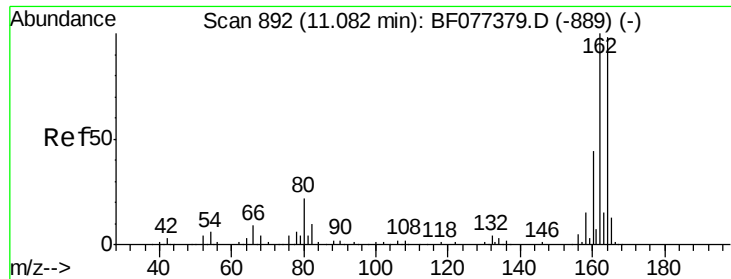
| Tot Ion   | 82   | Resp  | 377356 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 47.0 | 43.8  | 65.8   |
| 54        | 48.8 | 36.7  | 55.1   |



#37  
 2-Methylnaphthalene  
 Concen: 6.73 ng  
 RT: 9.72 min Scan# 773  
 Delta R.T. -0.00 min  
 Lab File: BF077506.D  
 Acq: 27 Feb 2015 15:03

| Tgt Ion   | 142  | Resp  | 83739 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 141       | 89.3 | 70.7  | 106.1 |
| 115       | 31.2 | 24.2  | 36.4  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.01 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF077506.D

Acq: 27 Feb 2015 15:03

Instrument :

BNA\_F

ClientSampleId :

RW-1

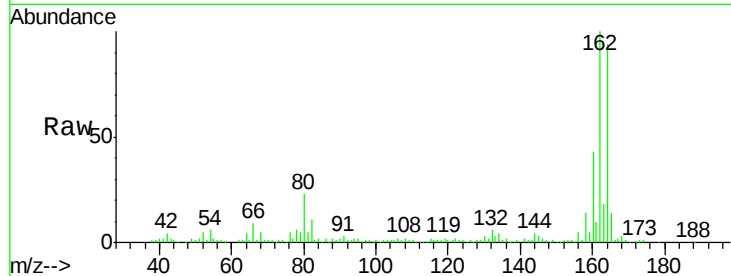
Tot Ion:164 Resp: 183921

Ion Ratio Lower Upper

164 100

162 106.2 83.2 124.8

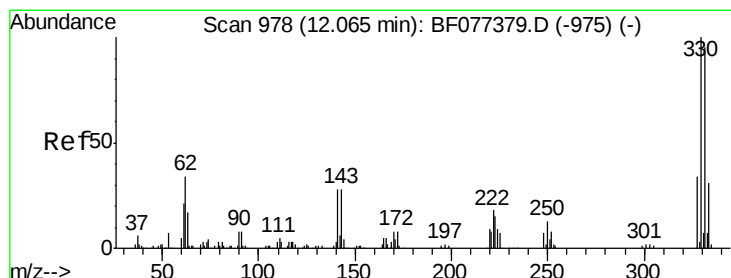
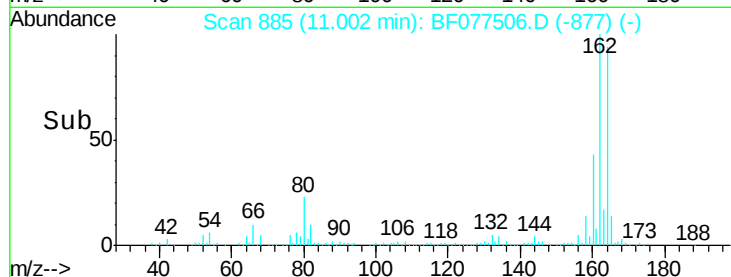
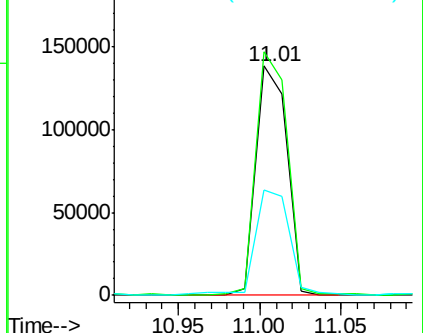
160 45.8 34.6 52.0



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: 96.27 ng

RT: 11.99 min Scan# 971

Delta R.T. -0.00 min

Lab File: BF077506.D

Acq: 27 Feb 2015 15:03

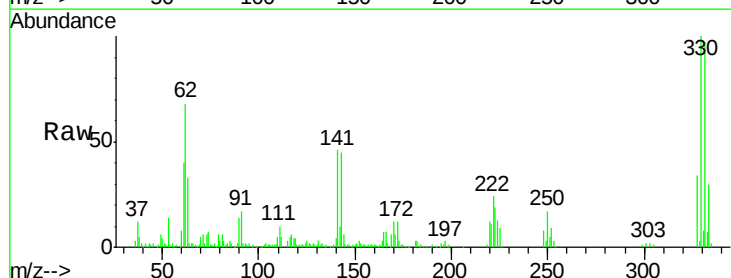
Tgt Ion:330 Resp: 170496

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

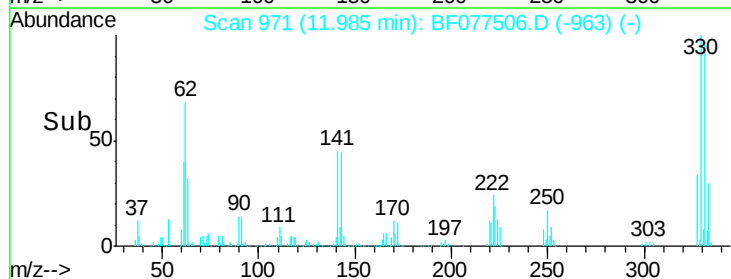
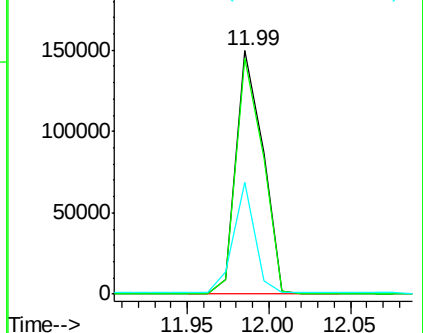
141 36.3 28.8 43.2

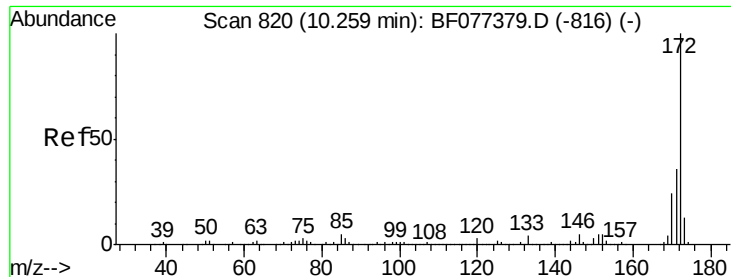


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

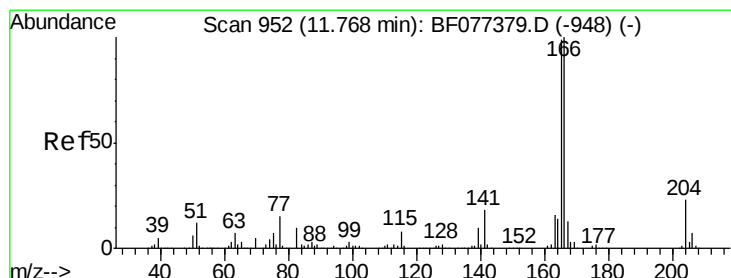
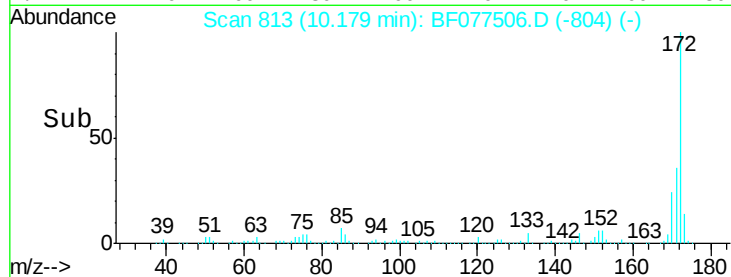
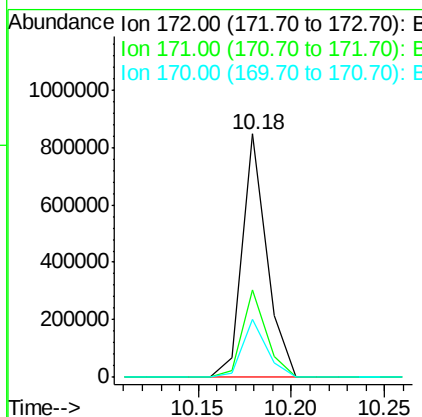
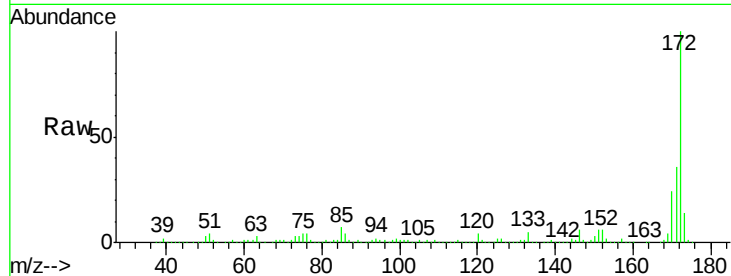




#44  
2-Fluorobiphenyl  
Concen: 65.96 ng  
RT: 10.18 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

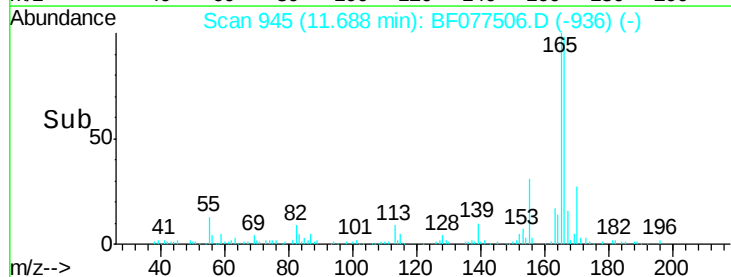
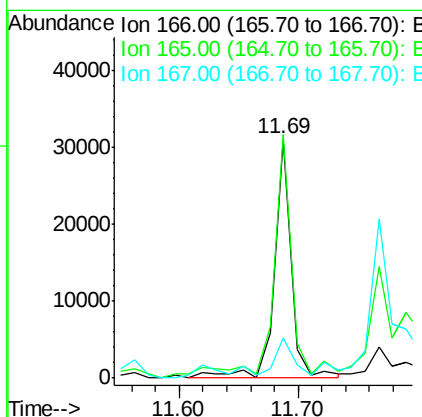
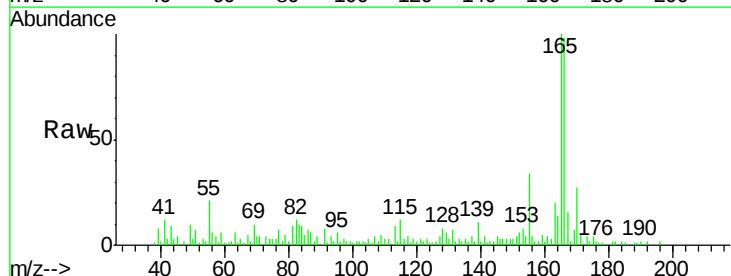
Instrument :  
BNA\_F  
ClientSampled :  
RW-1

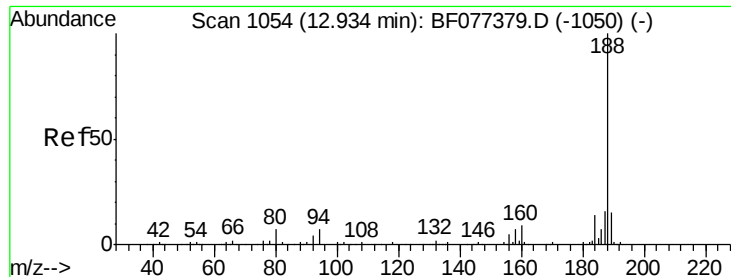
Tot Ion:172 Resp: 778020  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.9 43.3  
170 23.7 19.4 29.2



#57  
Fluorene  
Concen: 2.43 ng  
RT: 11.69 min Scan# 945  
Delta R.T. -0.00 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

Tgt Ion:166 Resp: 31001  
Ion Ratio Lower Upper  
166 100  
165 101.9 77.6 116.4  
167 16.5 10.6 16.0#

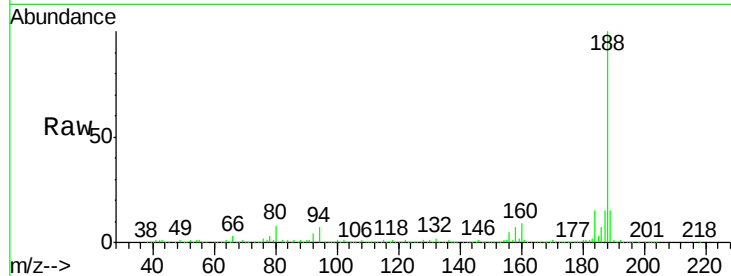




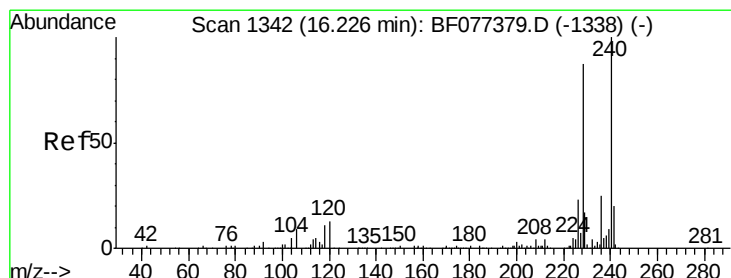
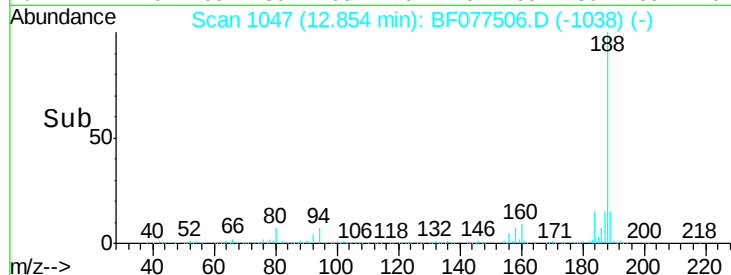
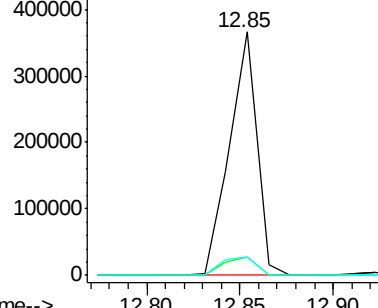
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.85 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
RW-1

Tot Ion:188 Resp: 371869  
Ion Ratio Lower Upper  
188 100  
94 7.4 7.4 11.2#  
80 7.6 8.0 12.0#

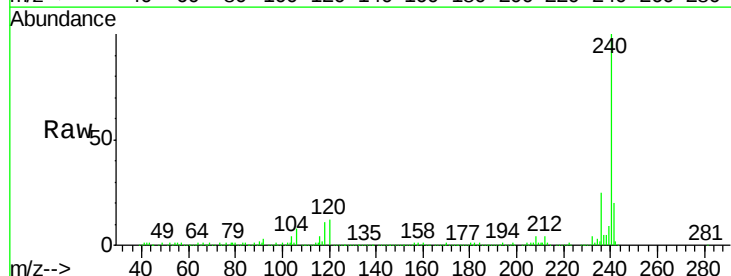


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

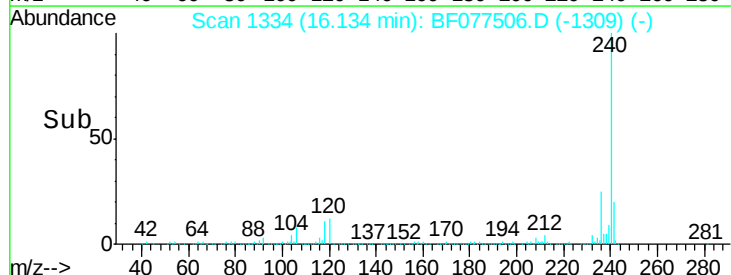
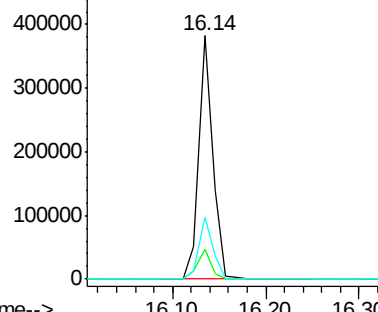


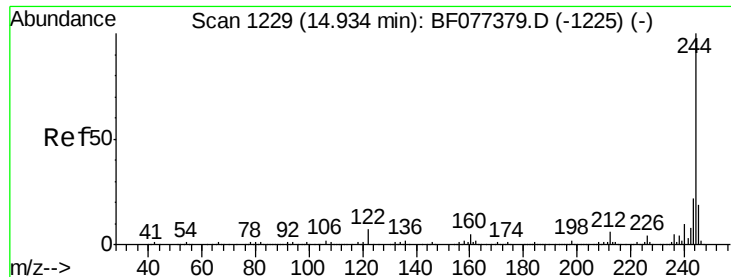
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.14 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BF077506.D  
Acq: 27 Feb 2015 15:03

Tgt Ion:240 Resp: 401178  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.8 13.2  
236 25.3 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

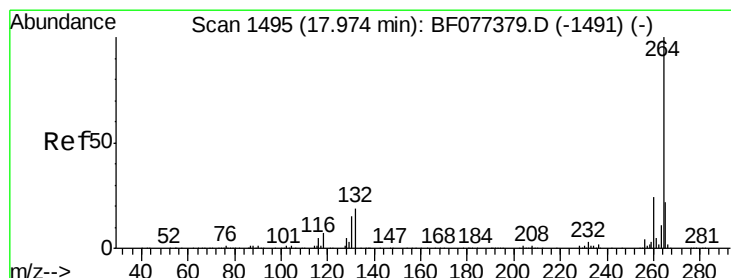
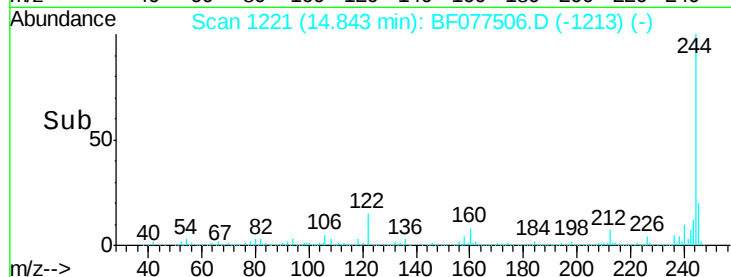
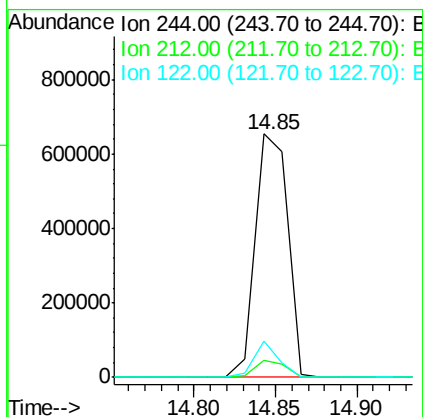
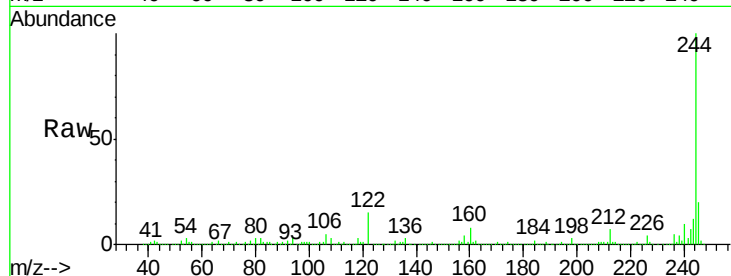




#78  
 Terphenyl-d14  
 Concen: 52.86 ng  
 RT: 14.85 min Scan# 1221  
 Delta R.T. -0.00 min  
 Lab File: BF077506.D  
 Acq: 27 Feb 2015 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-1

Tot Ion:244 Resp: 907186  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.2 7.8  
 122 14.7 7.8 11.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.86 min Scan# 1485  
 Delta R.T. -0.05 min  
 Lab File: BF077506.D  
 Acq: 27 Feb 2015 15:03

Tgt Ion:264 Resp: 427446  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.3 28.9  
 265 21.0 16.8 25.2

