

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\  
 Data File : BF083136.D  
 Acq On : 22 Nov 2015 4:03  
 Operator : UM/IZ  
 Sample : G4468-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-15

Quant Time: Nov 22 09:52:06 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 22 09:22:46 2015  
 Response via : Initial Calibration

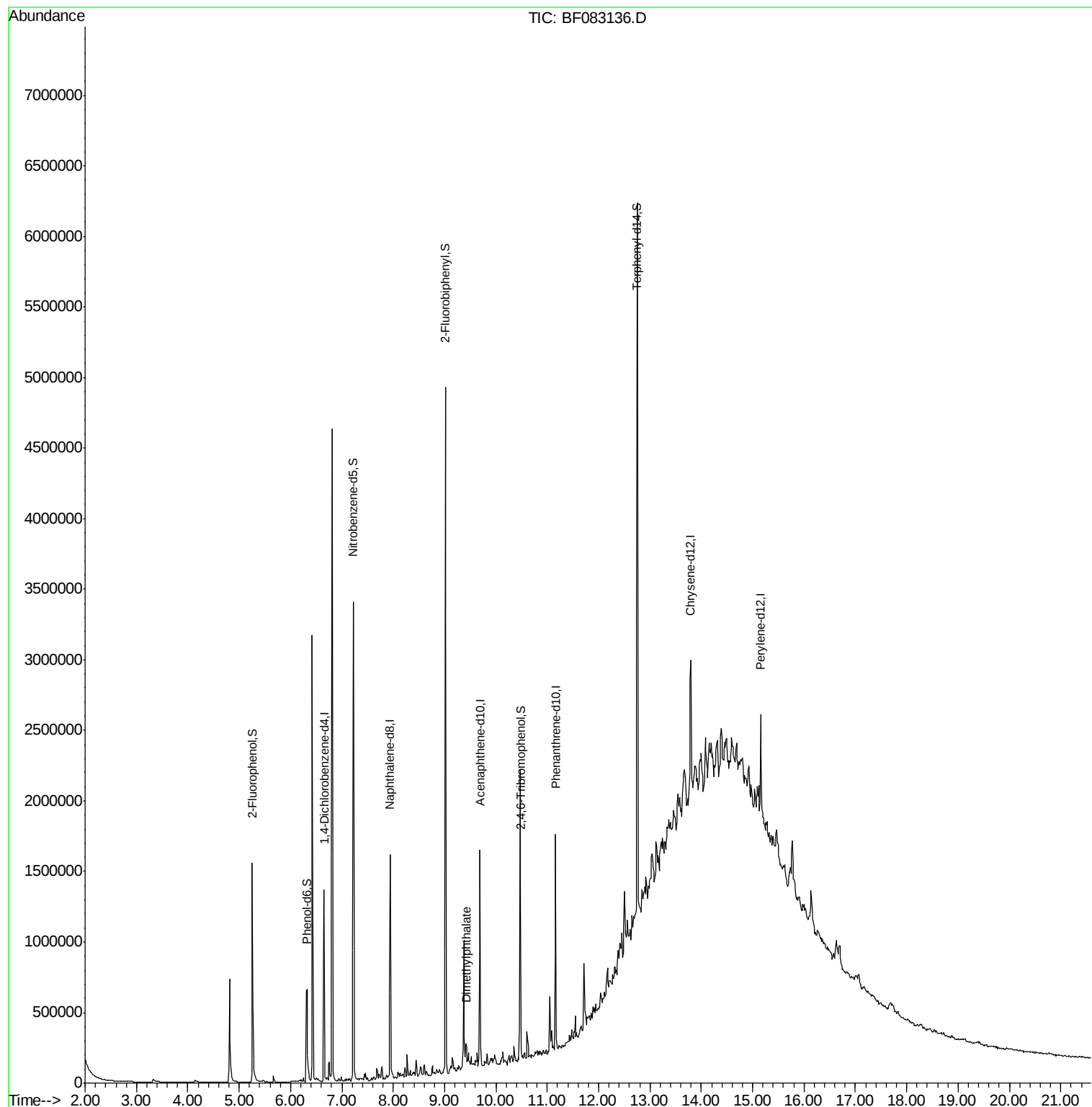
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 195194   | 20.00 | ng    | -0.01        |
| 21) Naphthalene-d8          | 7.94  | 136  | 741599   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.69  | 164  | 360610   | 20.00 | ng    | -0.01        |
| 63) Phenanthrene-d10        | 11.16 | 188  | 640850   | 20.00 | ng    | -0.01        |
| 75) Chrysene-d12            | 13.79 | 240  | 469162   | 20.00 | ng    | -0.01        |
| 86) Perylene-d12            | 15.15 | 264  | 407494   | 20.00 | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.26  | 112  | 508632   | 39.40 | ng    | -0.02        |
| 7) Phenol-d6                | 6.32  | 99   | 404937   | 24.24 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 1286759  | 79.28 | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 294295   | 79.77 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 2062043  | 79.74 | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.75 | 244  | 1717942  | 86.23 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.43  | 163  | 68485    | 2.47  | ng    | Qvalue<br>99 |

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

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QLast Update : Sun Nov 22 09:22:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

Instrument :

BNA\_F

ClientSampleId :

TEC-15

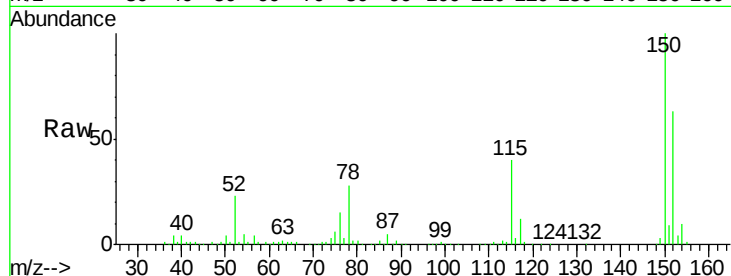
Tot Ion:152 Resp: 195194

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.8

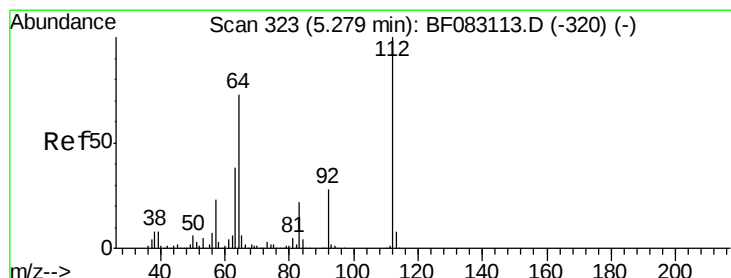
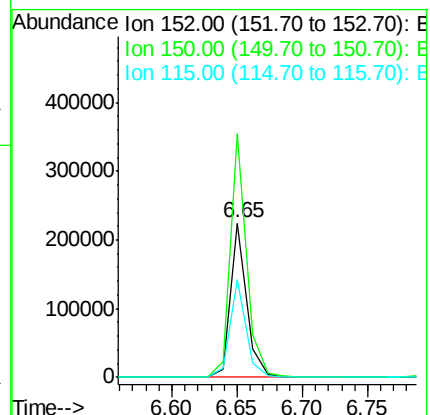
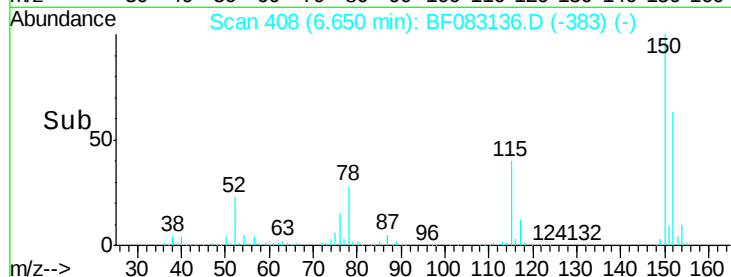
115 63.4 46.9 70.3



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: 39.40 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

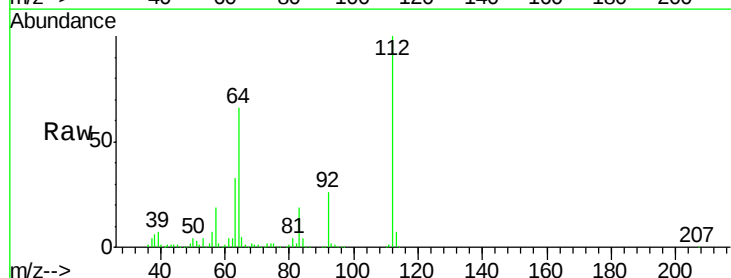
Tgt Ion:112 Resp: 508632

Ion Ratio Lower Upper

112 100

64 65.9 58.4 87.6

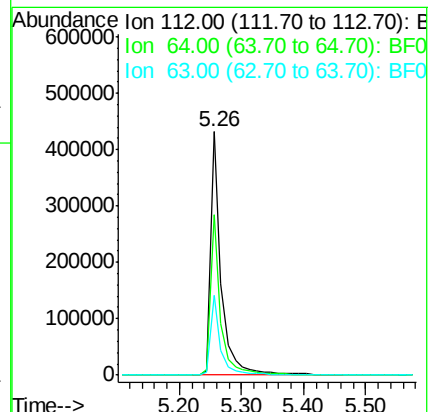
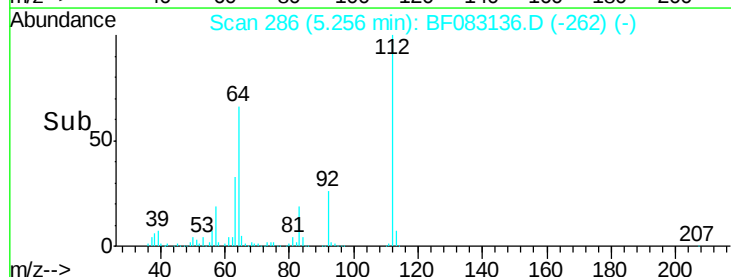
63 32.6 30.0 45.0

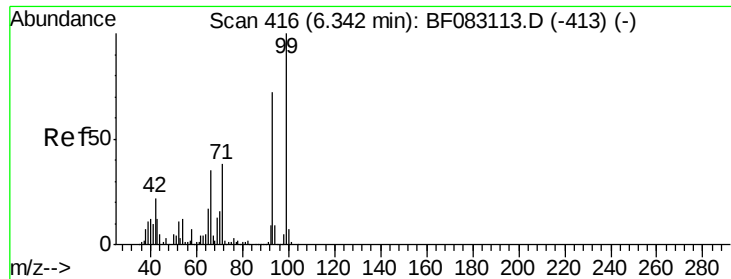


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.24 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

Instrument :

BNA\_F

ClientSampleId :

TEC-15

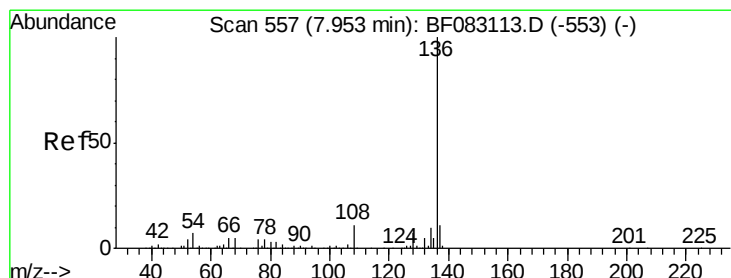
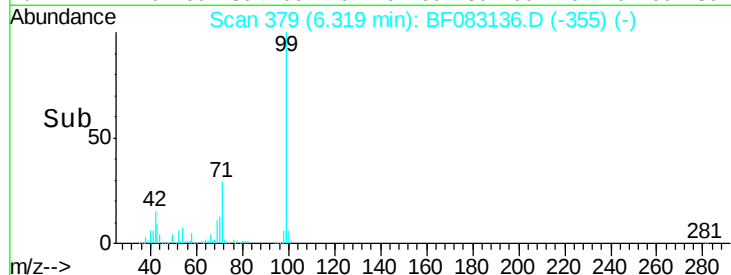
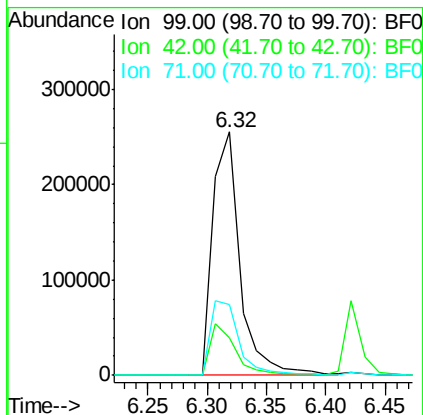
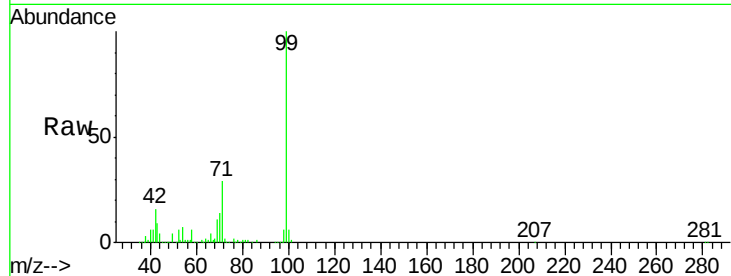
Tot Ion: 99 Resp: 404937

Ion Ratio Lower Upper

99 100

42 15.7 17.7 26.5#

71 29.3 30.2 45.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

Tgt Ion: 136 Resp: 741599

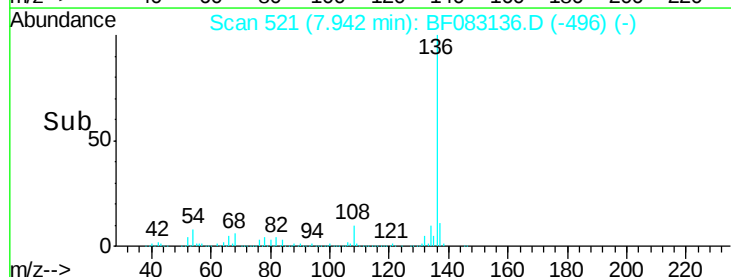
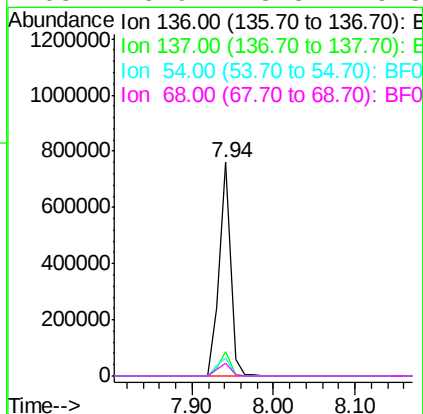
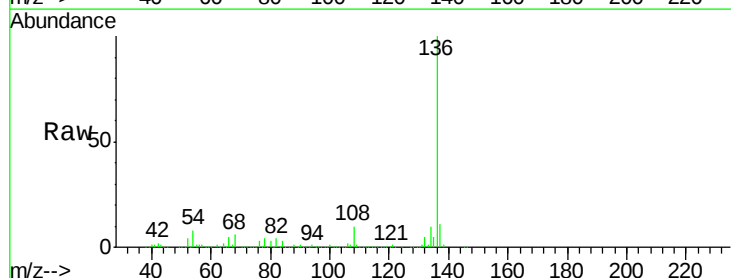
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.2 5.8 8.6

68 5.9 3.8 5.8#



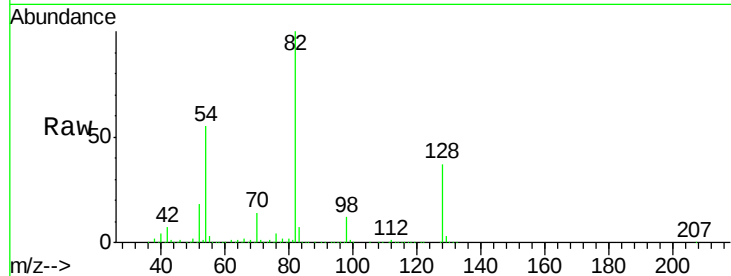


#23  
 Nitrobenzene-d5  
 Concen: 79.28 ng  
 RT: 7.22 min Scan# 458  
 Delta R.T. -0.01 min  
 Lab File: BF083136.D  
 Acq: 22 Nov 2015 4:03

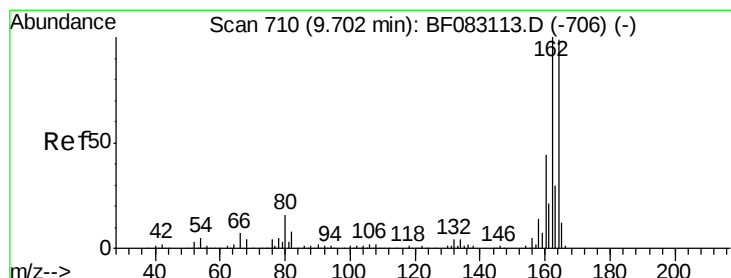
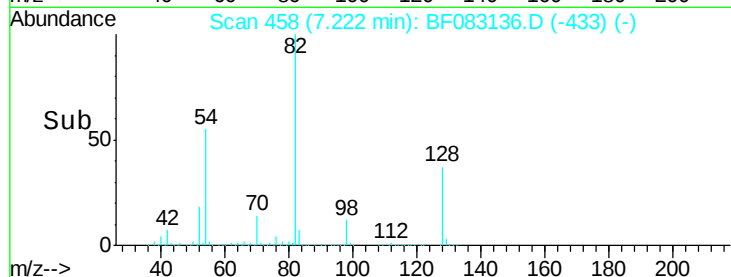
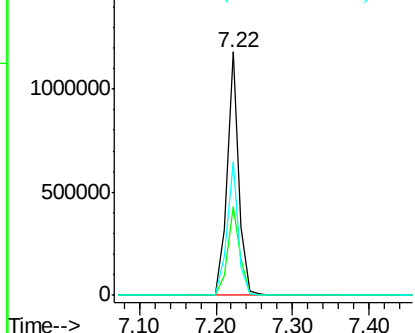
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-15

Tot Ion: 82 Resp: 1286759  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.6  | 28.5  | 42.7  |
| 54  | 54.6  | 44.6  | 67.0  |



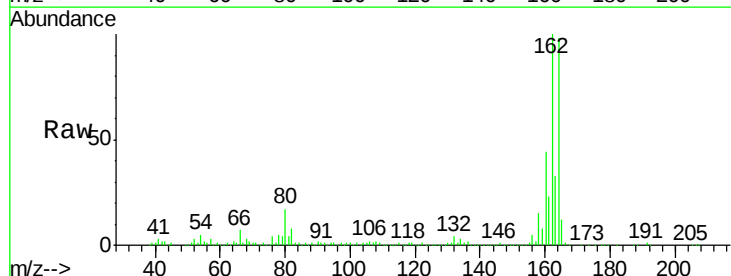
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0



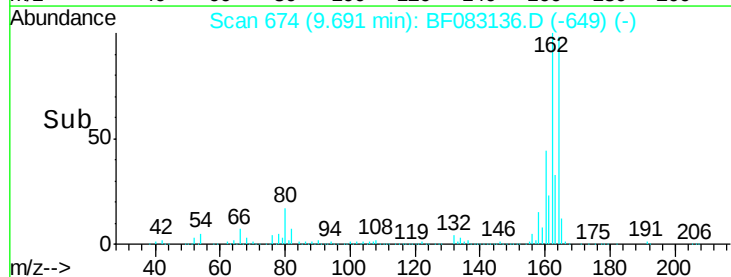
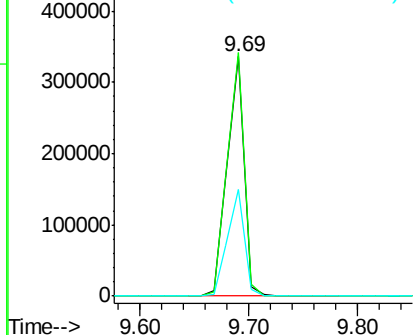
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.69 min Scan# 674  
 Delta R.T. -0.01 min  
 Lab File: BF083136.D  
 Acq: 22 Nov 2015 4:03

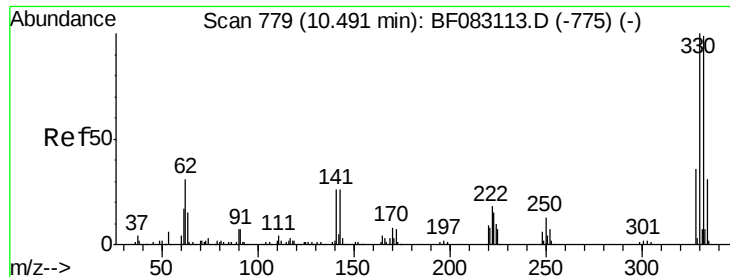
Tgt Ion:164 Resp: 360610  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.8 | 81.2  | 121.8 |
| 160 | 44.7  | 35.6  | 53.4  |



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

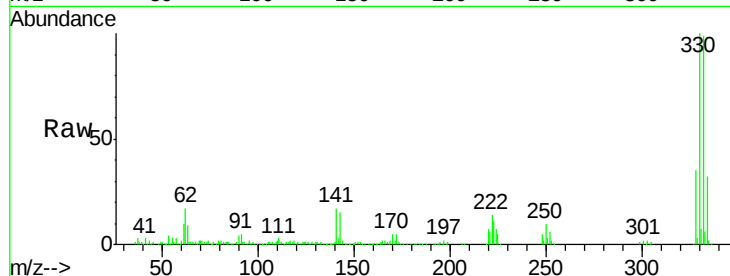




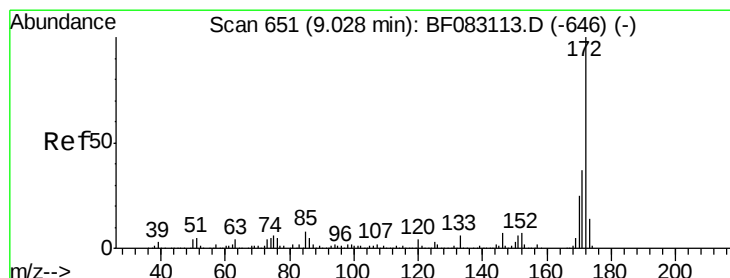
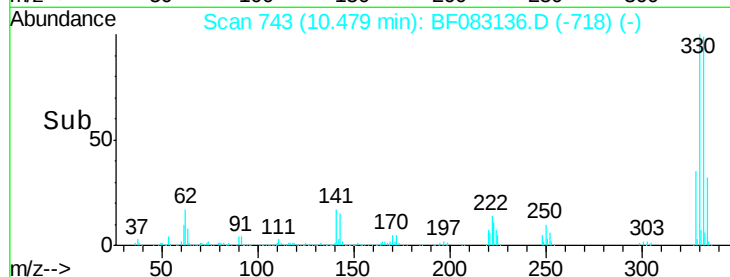
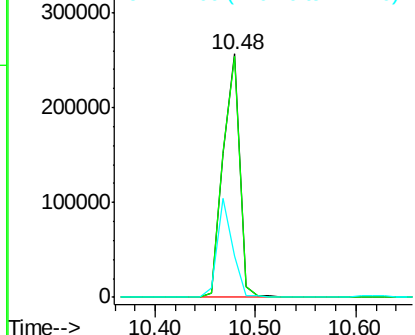
#41  
 2,4,6-Tribromophenol  
 Concen: 79.77 ng  
 RT: 10.48 min Scan# 743  
 Delta R.T. -0.01 min  
 Lab File: BF083136.D  
 Acq: 22 Nov 2015 4:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.7  | 77.7  | 116.5 |
| 141     | 37.4  | 29.7  | 44.5  |

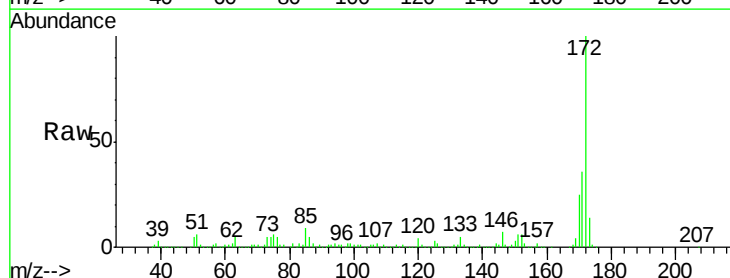


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

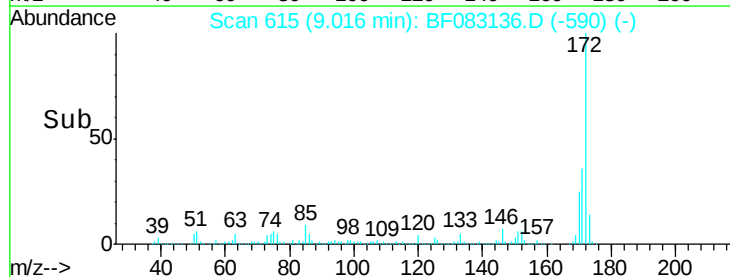
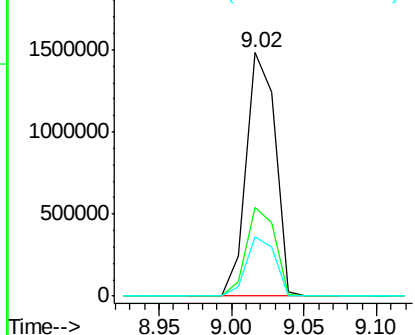


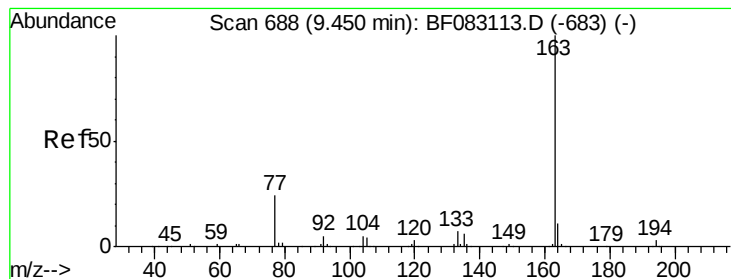
#44  
 2-Fluorobiphenyl  
 Concen: 79.74 ng  
 RT: 9.02 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF083136.D  
 Acq: 22 Nov 2015 4:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.5  | 44.3  |
| 170     | 24.5  | 19.9  | 29.9  |



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





#49

Dimethylphthalate

Concen: 2.47 ng

RT: 9.43 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

Instrument :

BNA\_F

ClientSampleId :

TEC-15

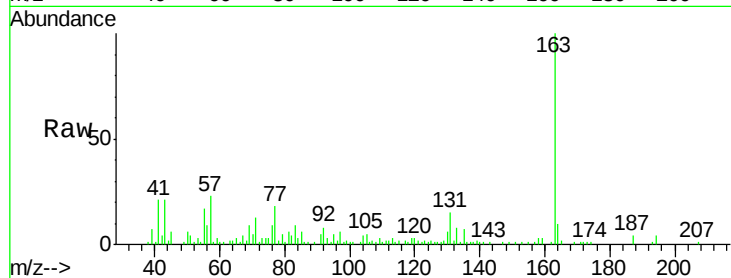
Tot Ion:163 Resp: 68485

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

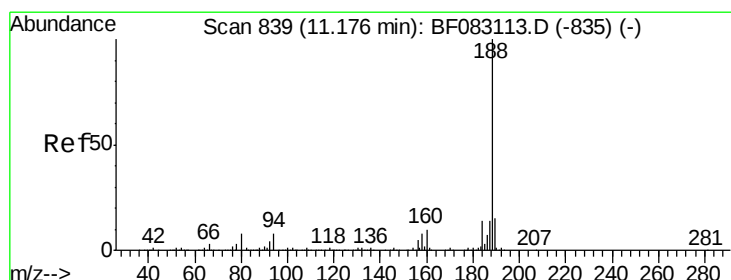
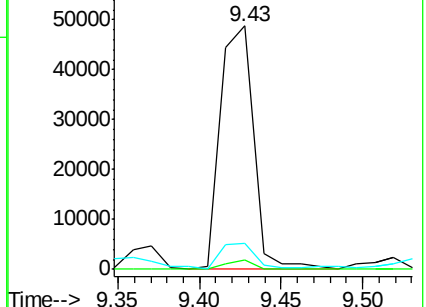
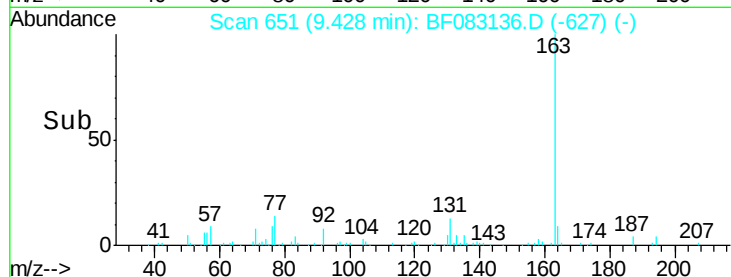
164 10.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

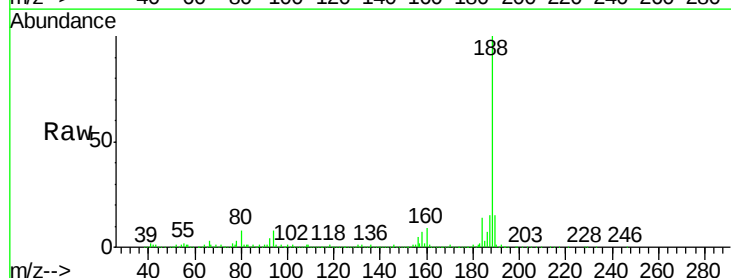
Tgt Ion:188 Resp: 640850

Ion Ratio Lower Upper

188 100

94 7.6 6.0 9.0

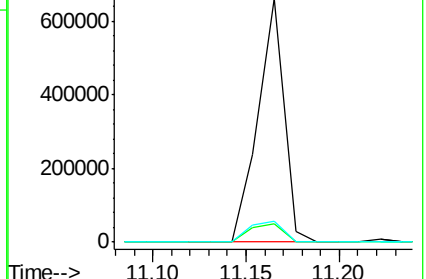
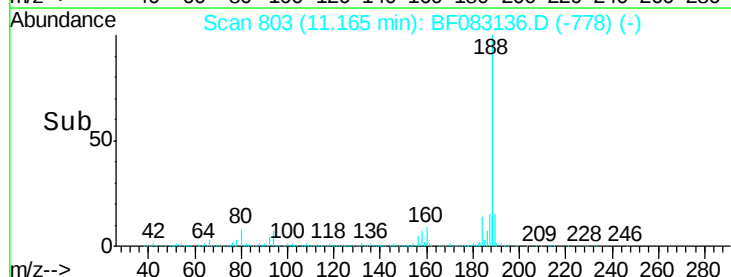
80 8.4 6.7 10.1

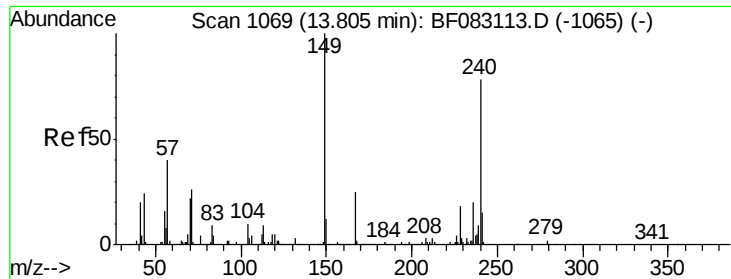


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.79 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

Instrument :

BNA\_F

ClientSampleId :

TEC-15

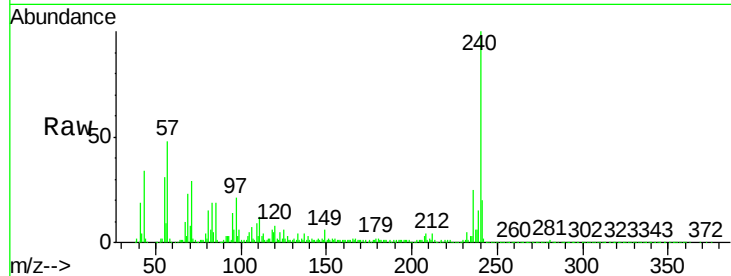
Tot Ion:240 Resp: 469162

Ion Ratio Lower Upper

240 100

120 8.1 5.4 8.2

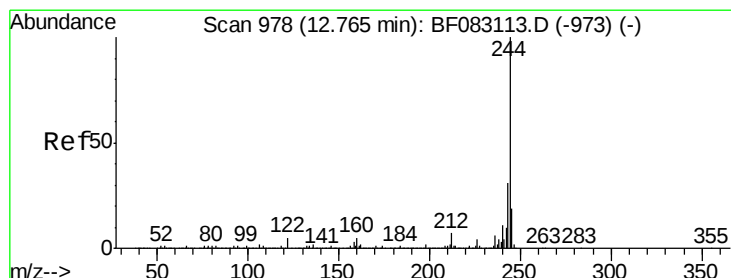
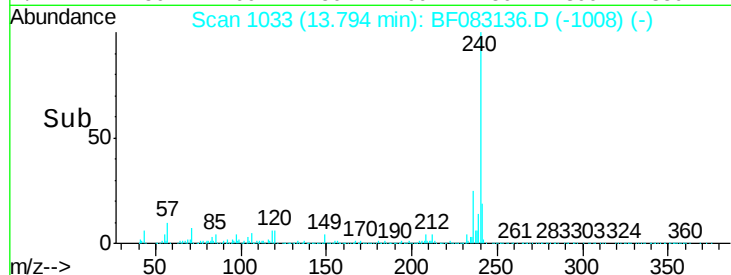
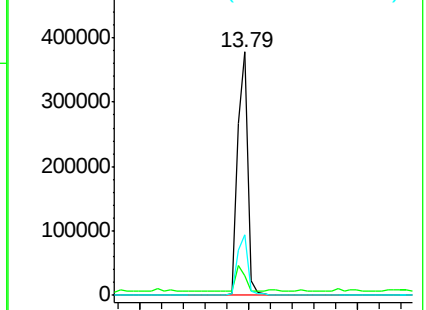
236 25.1 20.6 31.0



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: 86.23 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083136.D

Acq: 22 Nov 2015 4:03

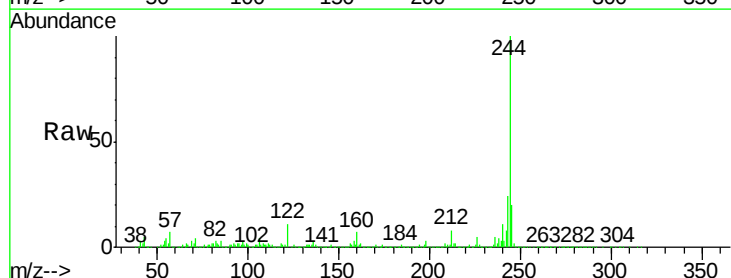
Tgt Ion:244 Resp: 1717942

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

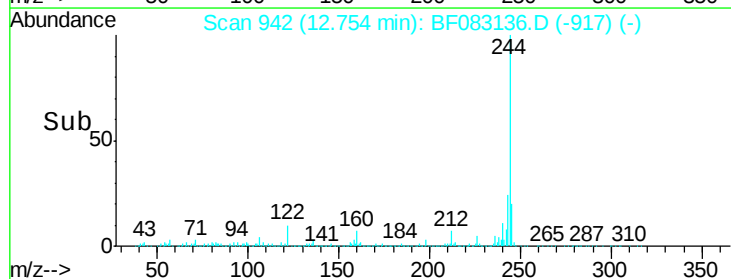
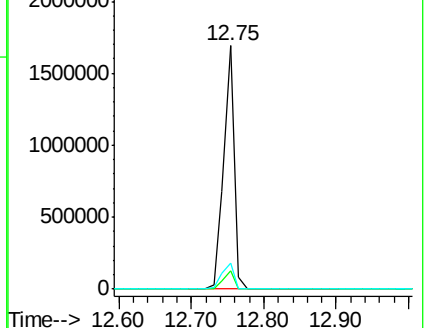
122 10.5 4.3 6.5#

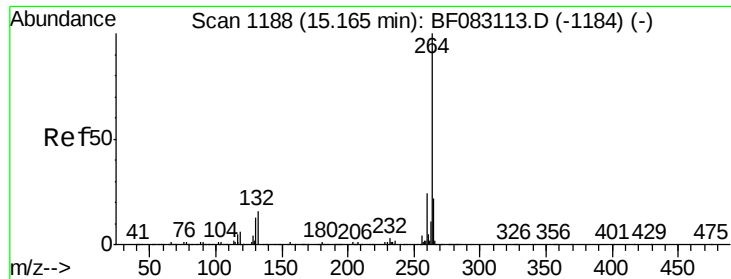


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

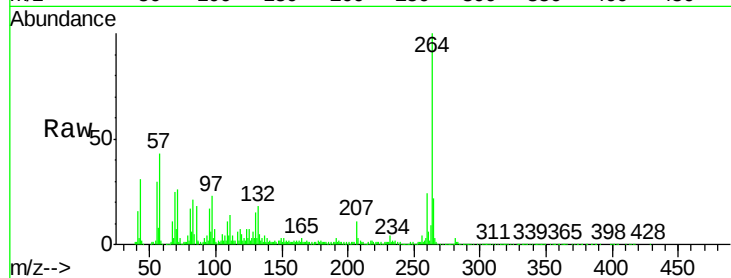




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.15 min Scan# 1152  
 Delta R.T. -0.01 min  
 Lab File: BF083136.D  
 Acq: 22 Nov 2015 4:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.1  | 28.7  |
| 265     | 22.4  | 18.2  | 27.4  |



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

