

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111915\  
 Data File : BF083055.D  
 Acq On : 20 Nov 2015 1:04  
 Operator : UM/IZ  
 Sample : PB86743BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86743BL

Quant Time: Nov 20 07:29:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 20 01:33:39 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 116290   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 457784   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 238613   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 506341   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.85 | 240  | 481614   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 402087   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 735395   | 98.22  | ng    | 0.01     |
| 7) Phenol-d6                | 6.35  | 99   | 1050159  | 106.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 703868   | 70.39  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 286824   | 113.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1162502  | 65.62  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.81 | 244  | 1157111  | 56.72  | ng    | 0.00     |

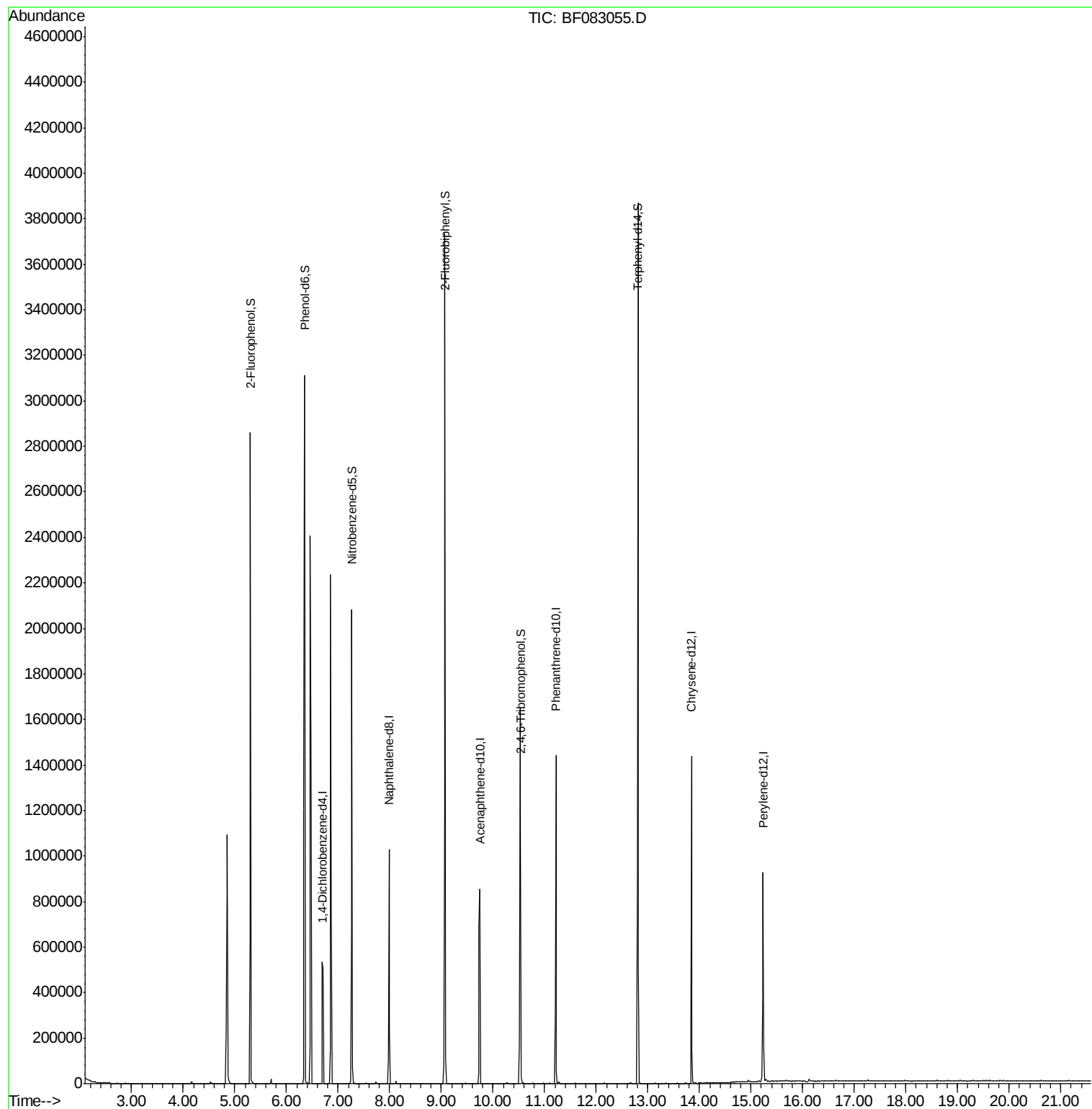
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

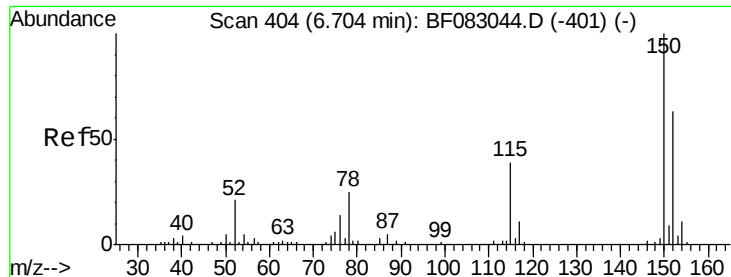
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 20 01:33:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083055.D

Acq: 20 Nov 2015 1:04

Instrument :

BNA\_F

ClientSampleId :

PB86743BL

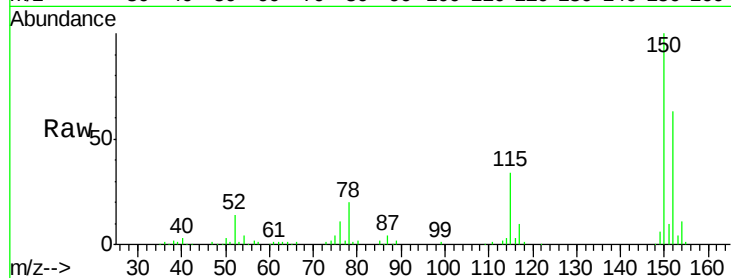
Tgt Ion:152 Resp: 116290

Ion Ratio Lower Upper

152 100

150 159.0 126.4 189.6

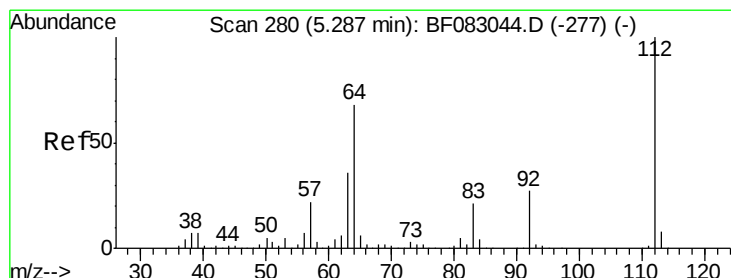
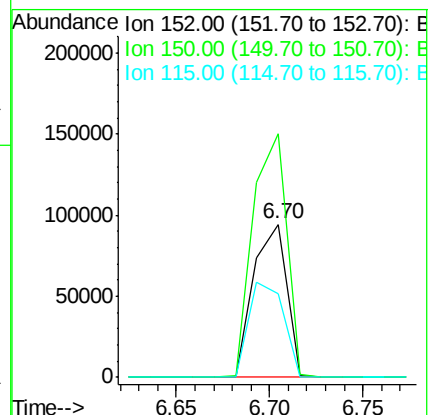
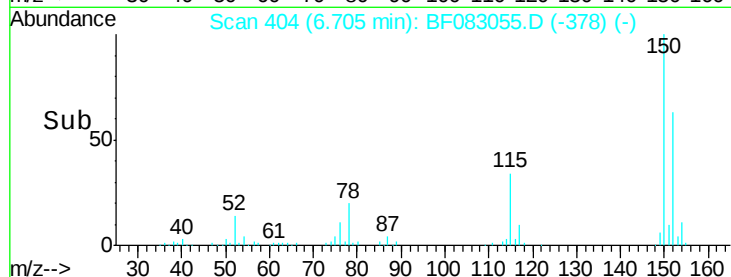
115 54.5 49.0 73.6



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: 98.22 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF083055.D

Acq: 20 Nov 2015 1:04

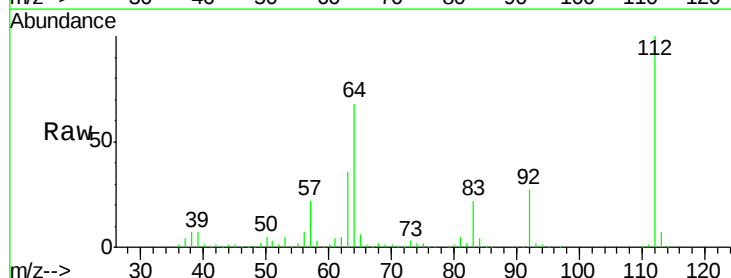
Tgt Ion:112 Resp: 735395

Ion Ratio Lower Upper

112 100

64 68.3 54.8 82.2

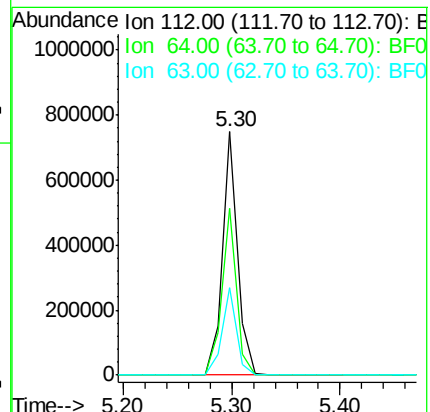
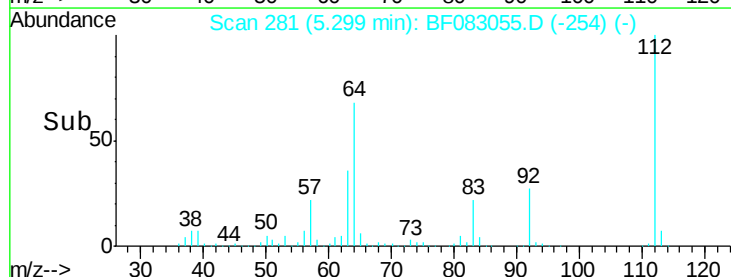
63 36.0 29.0 43.4

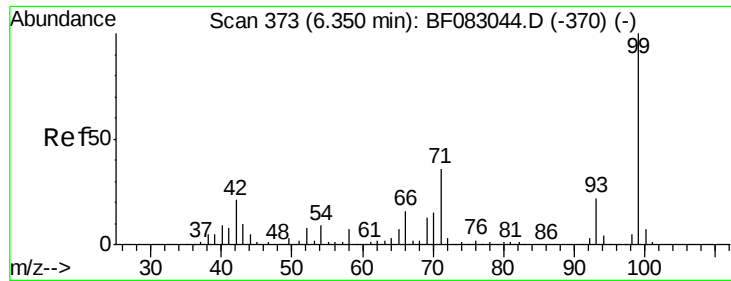


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.49 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083055.D

Acq: 20 Nov 2015 1:04

Instrument :

BNA\_F

ClientSampled :

PB86743BL

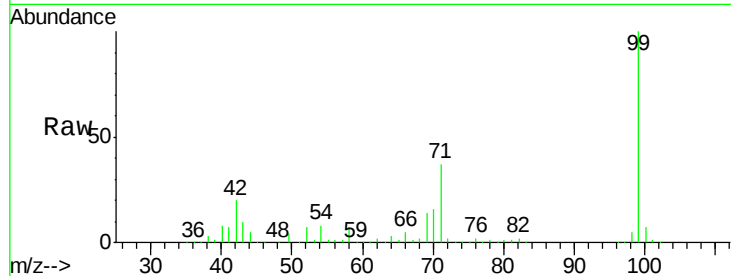
Tgt Ion: 99 Resp: 1050159

Ion Ratio Lower Upper

99 100

42 19.7 16.6 25.0

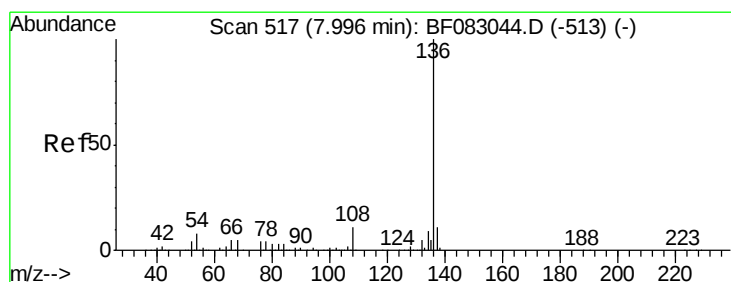
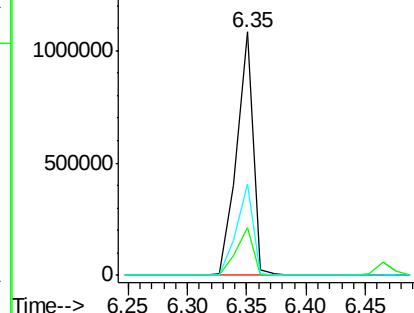
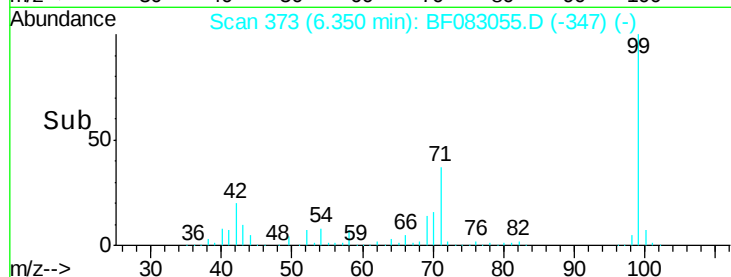
71 37.4 29.2 43.8



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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083055.D

Acq: 20 Nov 2015 1:04

Tgt Ion: 136 Resp: 457784

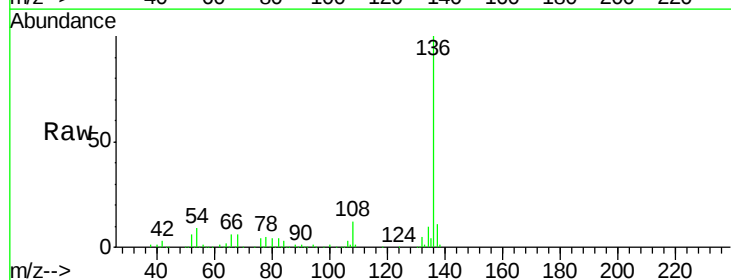
Ion Ratio Lower Upper

136 100

137 11.3 8.6 12.8

54 9.4 6.2 9.2#

68 6.2 4.2 6.2

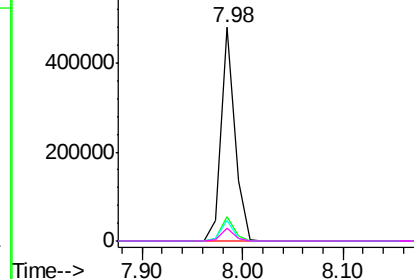
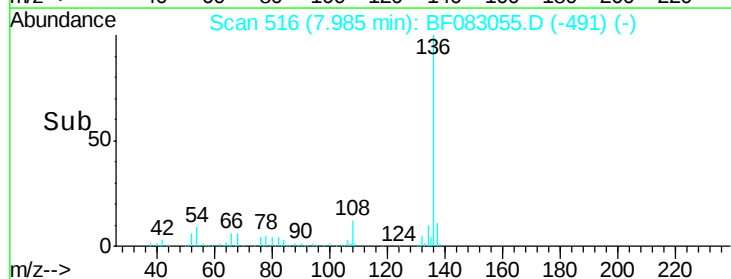


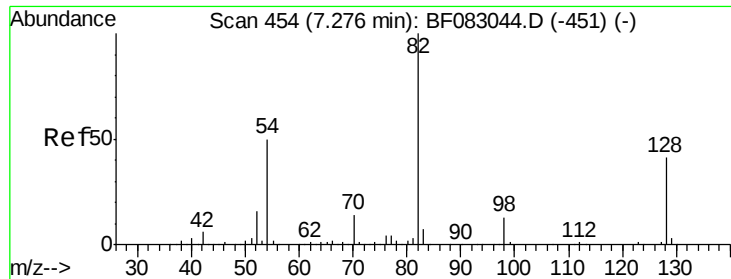
Abundance Ion 136.00 (135.70 to 136.70): E

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

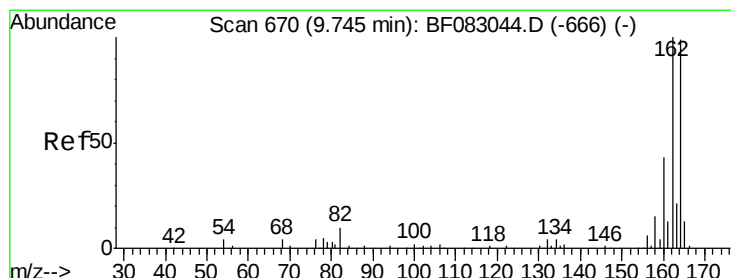
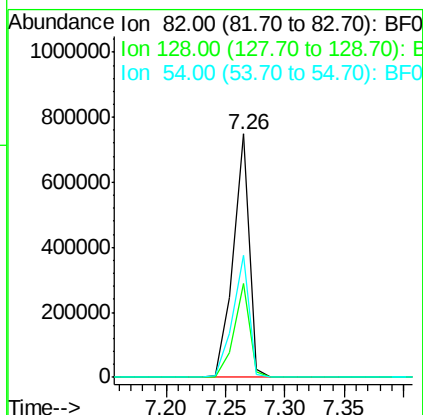
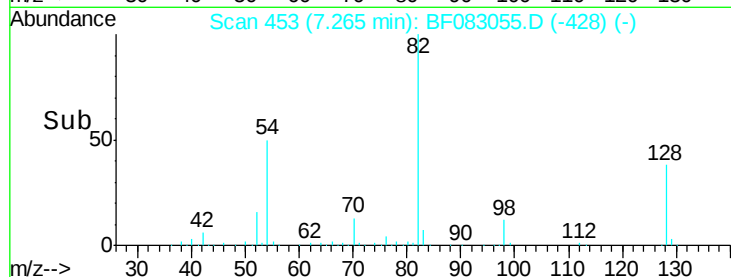
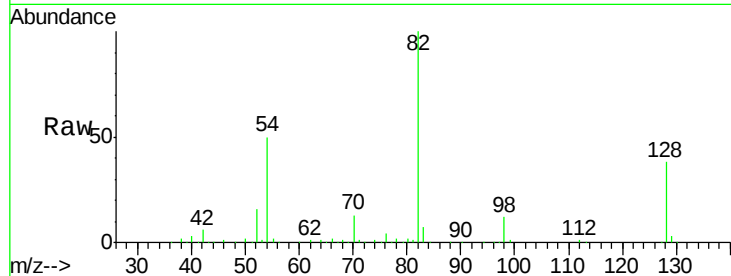




#23  
 Nitrobenzene-d5  
 Concen: 70.39 ng  
 RT: 7.26 min Scan# 453  
 Delta R.T. -0.01 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

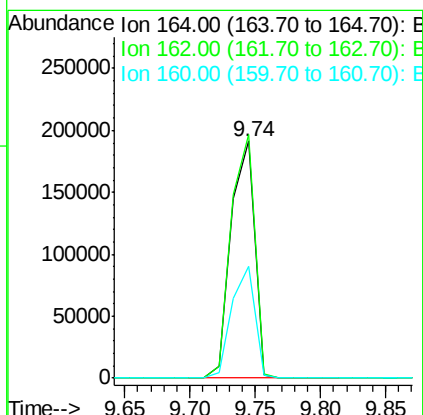
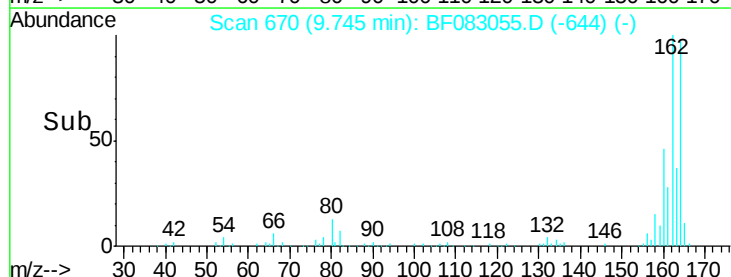
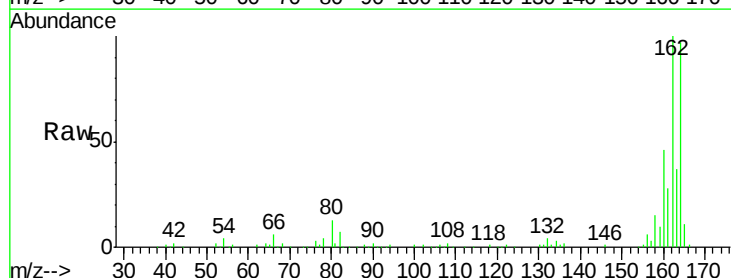
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86743BL

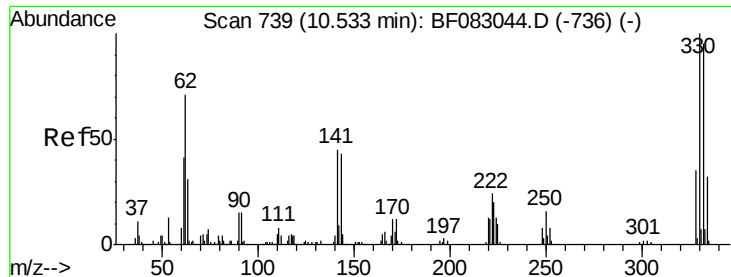
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.3  | 33.1  | 49.7  |
| 54      | 50.2  | 39.8  | 59.6  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 80.5  | 120.7 |
| 160     | 47.3  | 35.0  | 52.4  |

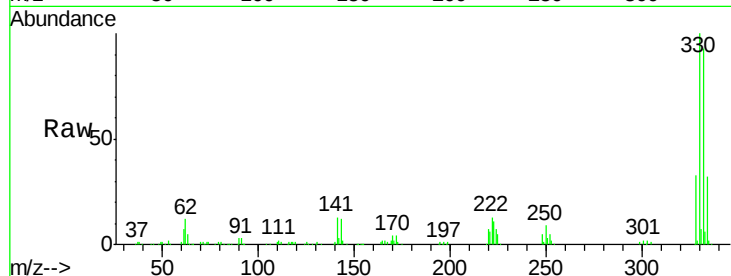




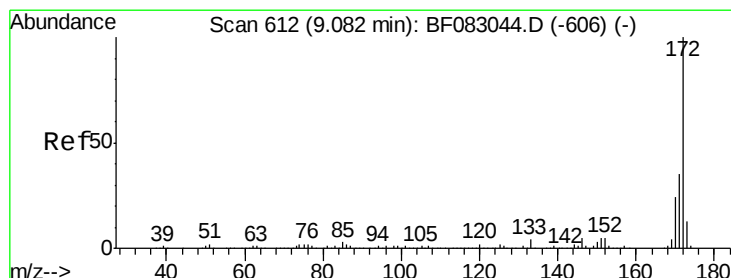
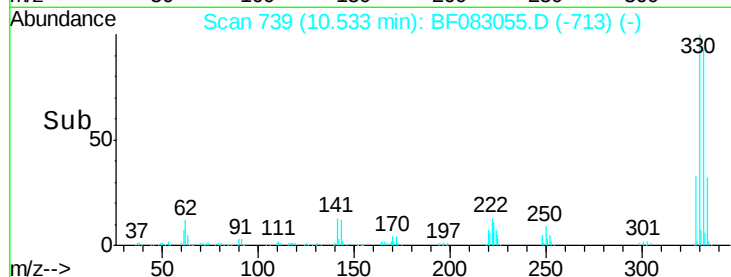
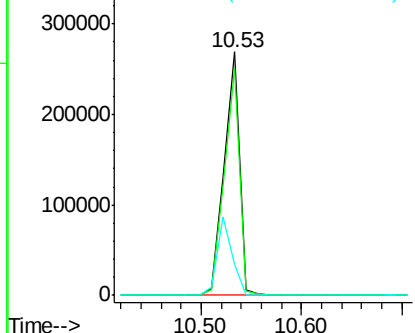
#41  
 2,4,6-Tribromophenol  
 Concen: 113.22 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. 0.00 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB86743BL

Tgt Ion:330 Resp: 286824  
 Ion Ratio Lower Upper  
 330 100  
 332 93.1 77.6 116.4  
 141 31.6 34.6 52.0#

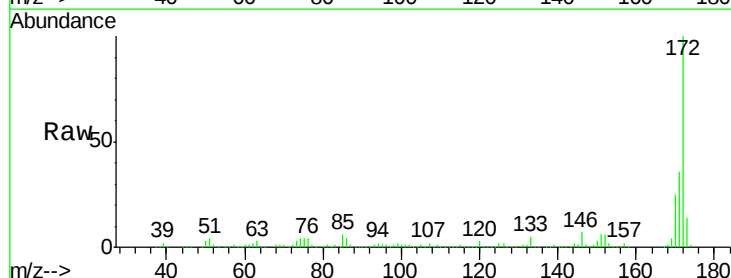


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

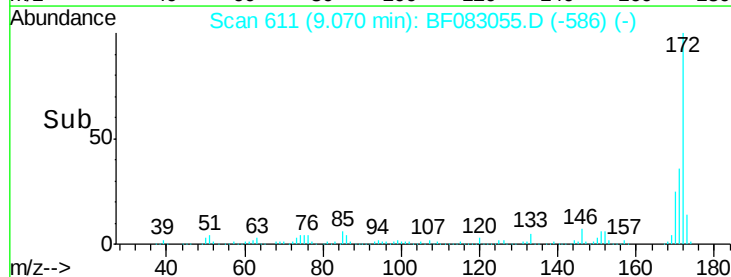
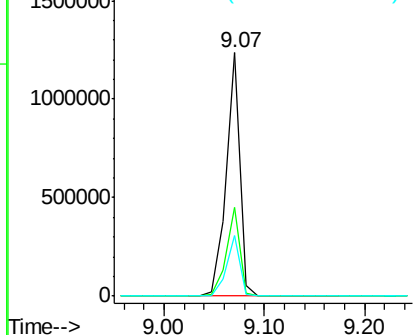


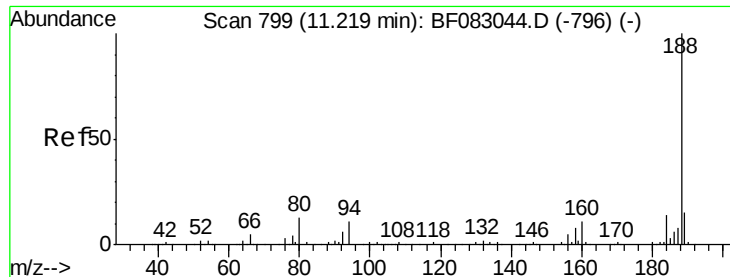
#44  
 2-Fluorobiphenyl  
 Concen: 65.62 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

Tgt Ion:172 Resp: 1162502  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.2 42.4  
 170 24.9 19.4 29.0



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

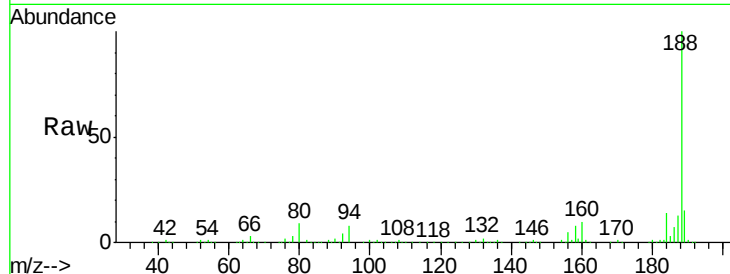




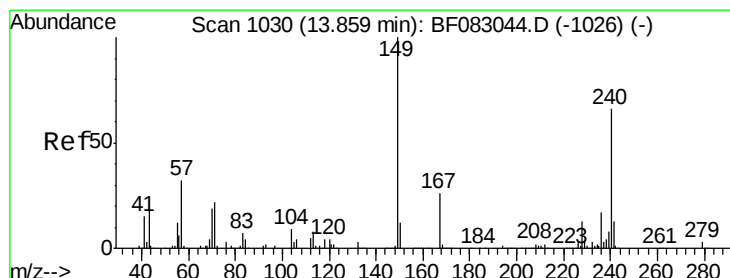
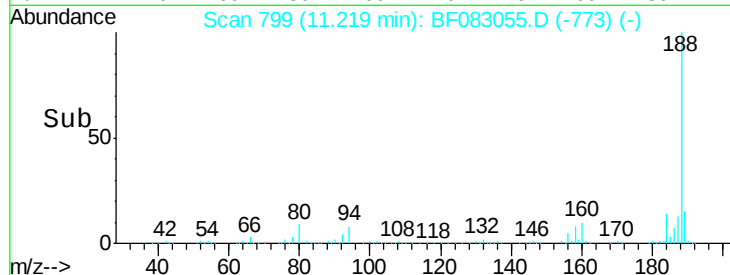
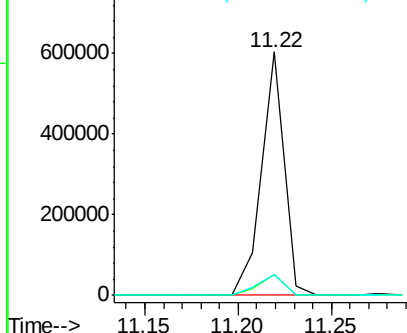
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BF083055.D  
Acq: 20 Nov 2015 1:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB86743BL

Tgt Ion:188 Resp: 506341  
Ion Ratio Lower Upper  
188 100  
94 8.3 9.0 13.4#  
80 8.7 10.2 15.4#

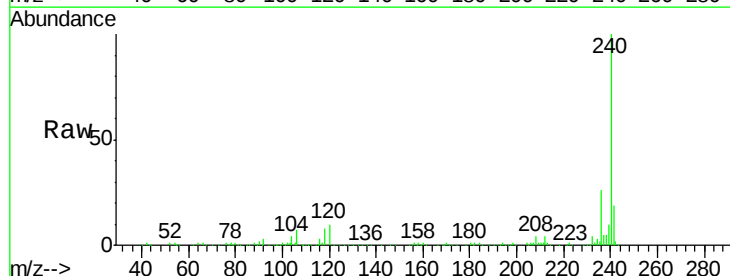


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

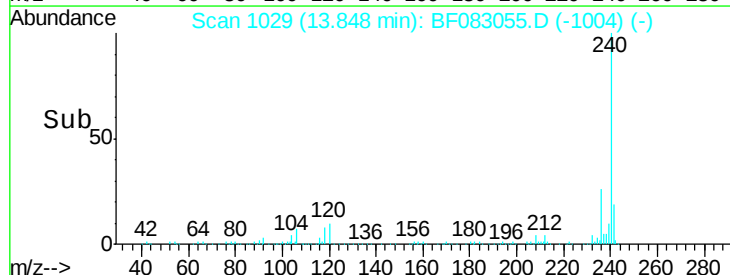
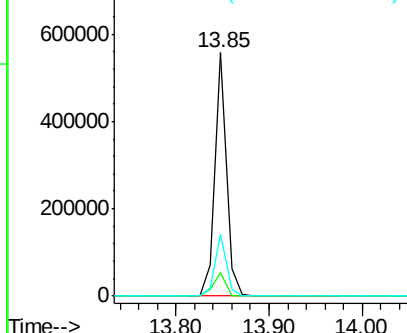


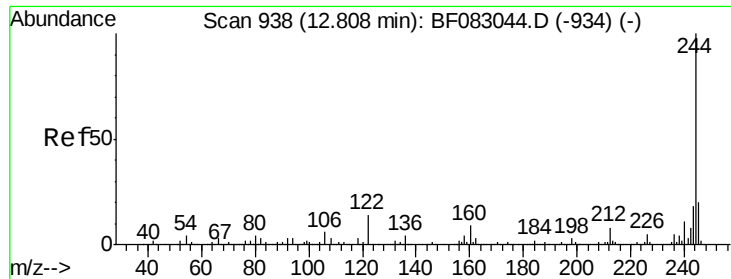
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.85 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF083055.D  
Acq: 20 Nov 2015 1:04

Tgt Ion:240 Resp: 481614  
Ion Ratio Lower Upper  
240 100  
120 9.5 5.3 7.9#  
236 25.6 20.4 30.6



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

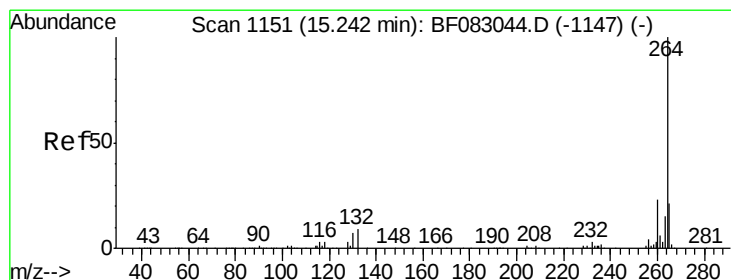
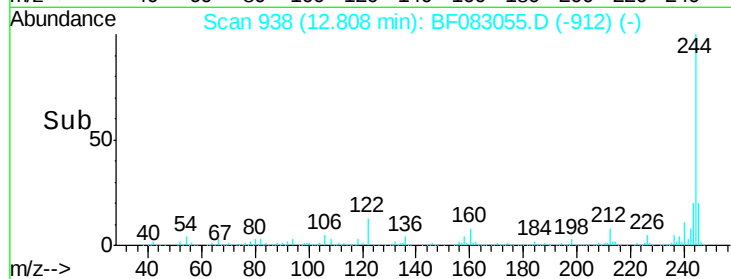
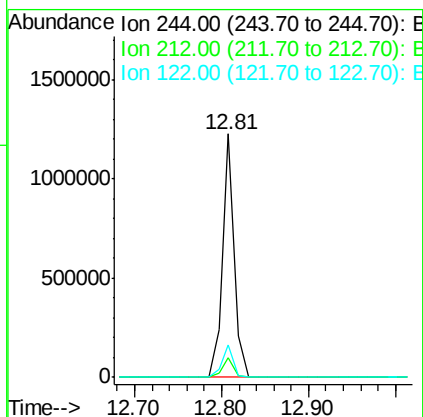
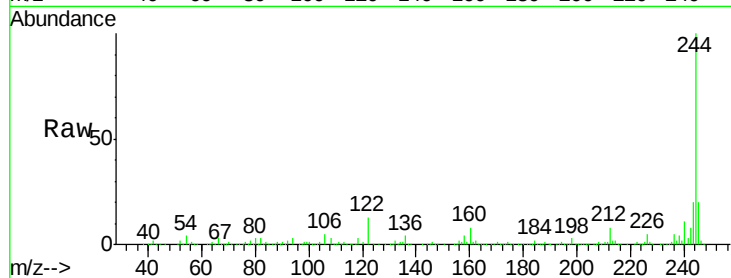




#78  
 Terphenyl-d14  
 Concen: 56.72 ng  
 RT: 12.81 min Scan# 938  
 Delta R.T. 0.00 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

Instrument :  
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Tgt Ion:244 Resp: 1157111  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.4 9.6  
 122 13.2 10.9 16.3



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.23 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF083055.D  
 Acq: 20 Nov 2015 1:04

Tgt Ion:264 Resp: 402087  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.6 27.8  
 265 22.0 17.0 25.6

