

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082715\  
 Data File : BF081244.D  
 Acq On : 27 Aug 2015 10:43  
 Operator : UM/IZ  
 Sample : PB85041BL  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85041BL

Quant Time: Aug 27 11:26:55 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\625-TERPINEOL-BF082715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 27 06:31:06 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.51  | 152  | 57056    | 20.00 | ng    | 0.00     |
| 4) Naphthalene-d8         | 7.79  | 136  | 205421   | 20.00 | ng    | 0.00     |
| 7) Acenaphthene-d10       | 9.54  | 164  | 106590   | 20.00 | ng    | 0.00     |
| 10) Phenanthrene-d10      | 11.01 | 188  | 195875   | 20.00 | ng    | 0.00     |
| 11) Chrysene-d12          | 13.62 | 240  | 170393   | 20.00 | ng    | 0.00     |
| 13) Perylene-d12          | 14.95 | 264  | 121259   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 2) 2-Fluorophenol           | 5.09  | 112  | 386576   | 107.32 | ng    | 0.02     |
| 3) Phenol-d6                | 6.16  | 99   | 516537   | 107.38 | ng    | 0.00     |
| 5) Nitrobenzene-d5          | 7.09  | 82   | 320960   | 76.58  | ng    | 0.00     |
| 8) 2,4,6-Tribromophenol     | 10.33 | 330  | 88237    | 113.60 | ng    | 0.01     |
| 9) 2-Fluorobiphenyl         | 8.88  | 172  | 476061   | 68.30  | ng    | 0.00     |
| 12) Terphenyl-d14           | 12.60 | 244  | 451684   | 62.79  | ng    | 0.00     |

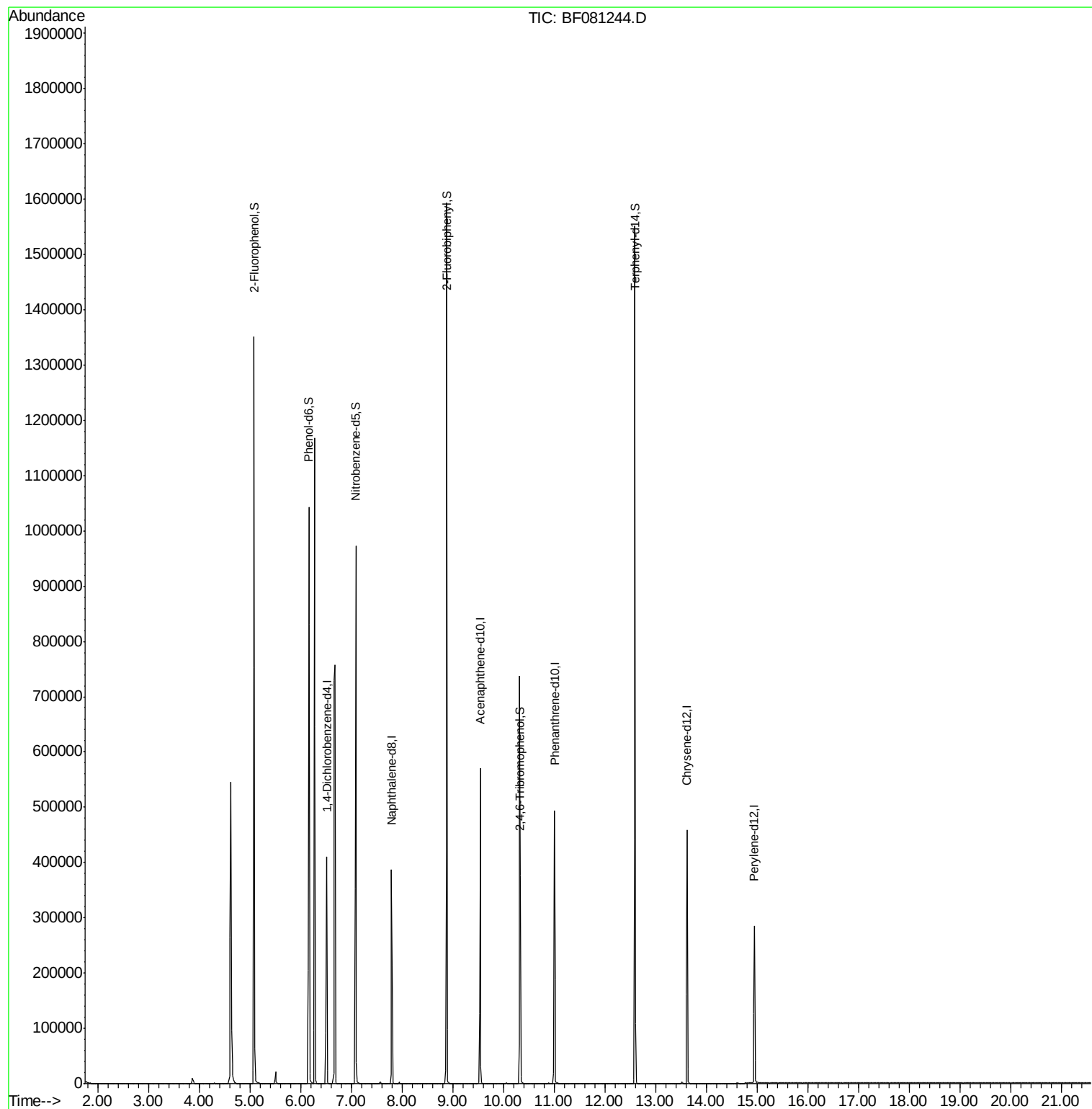
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

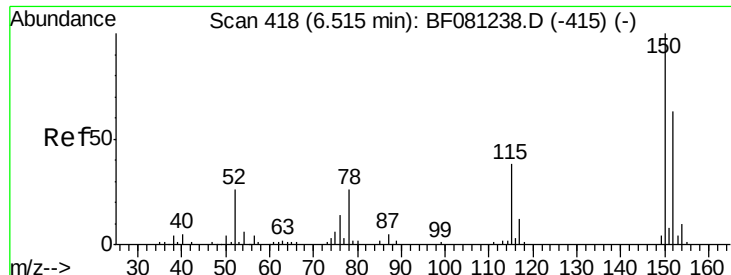
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 27 06:31:06 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

Instrument :

BNA\_F

ClientSampleId :

PB85041BL

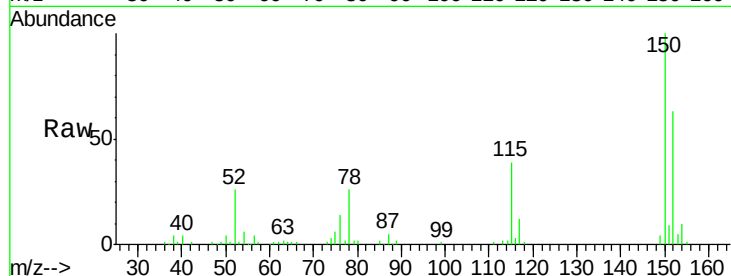
Tgt Ion:152 Resp: 57056

Ion Ratio Lower Upper

152 100

150 158.4 127.8 191.8

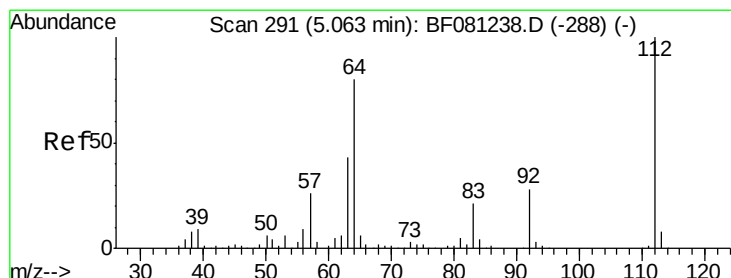
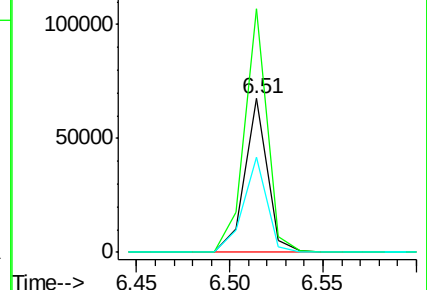
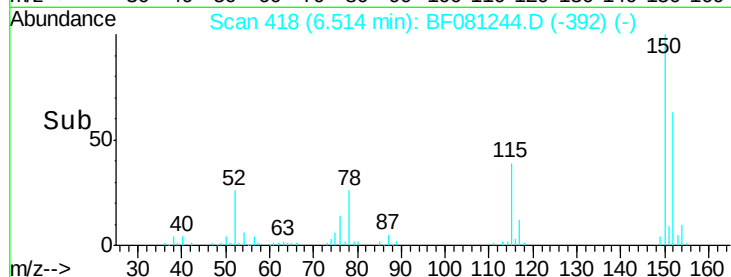
115 61.7 48.6 72.8



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



#2

2-Fluorophenol

Concen: 107.32 ng

RT: 5.09 min Scan# 293

Delta R.T. 0.02 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

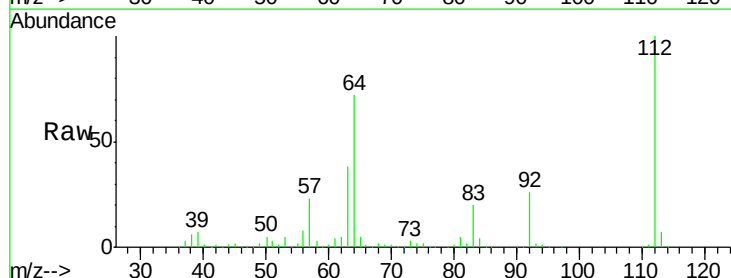
Tgt Ion:112 Resp: 386576

Ion Ratio Lower Upper

112 100

64 71.6 64.2 96.4

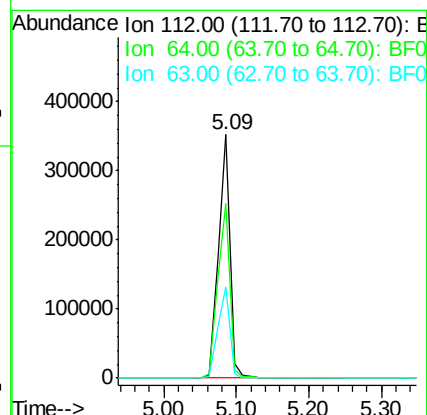
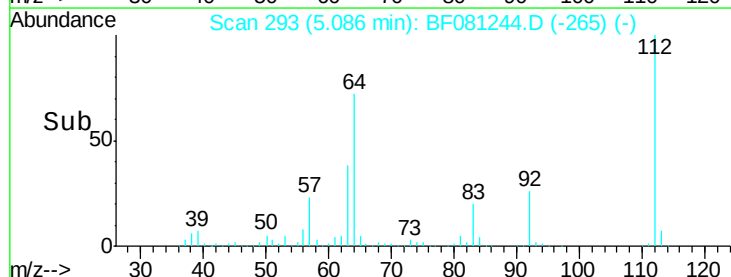
63 37.6 34.6 52.0

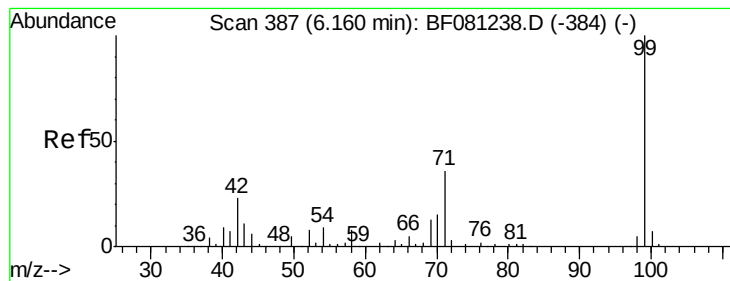


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#3

Phenol-d6

Concen: 107.38 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

Instrument :

BNA\_F

ClientSampleId :

PB85041BL

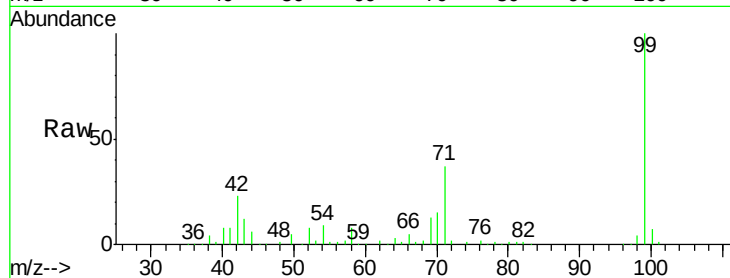
Tgt Ion: 99 Resp: 516537

Ion Ratio Lower Upper

99 100

42 23.3 18.3 27.5

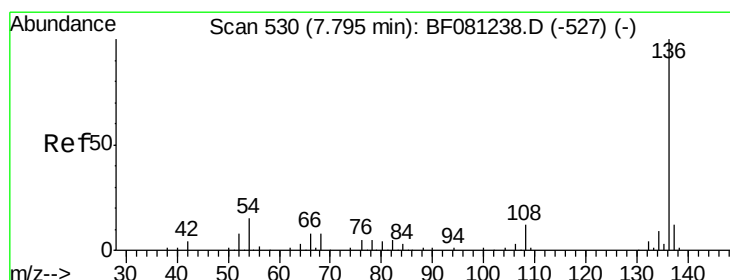
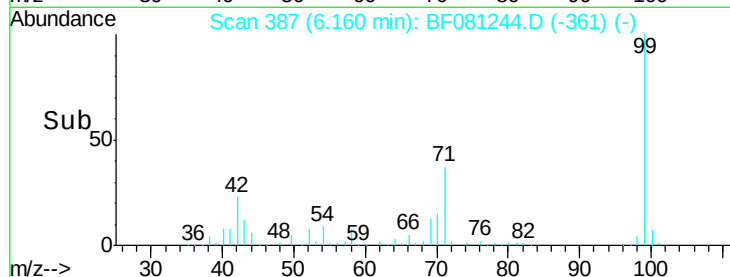
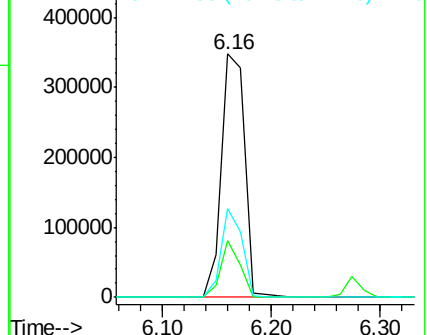
71 36.6 28.5 42.7



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



#4

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

Tgt Ion: 136 Resp: 205421

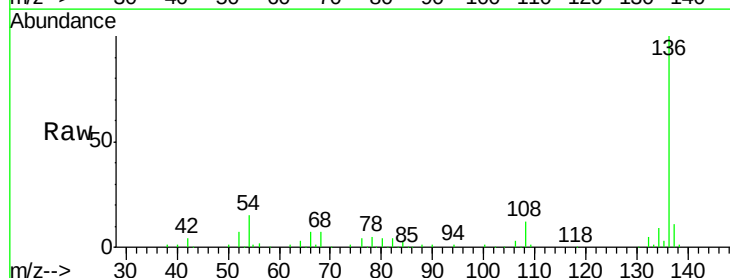
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 14.6 12.4 18.6

68 7.4 6.6 9.8

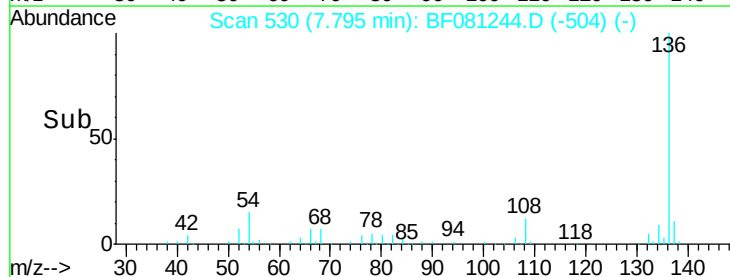
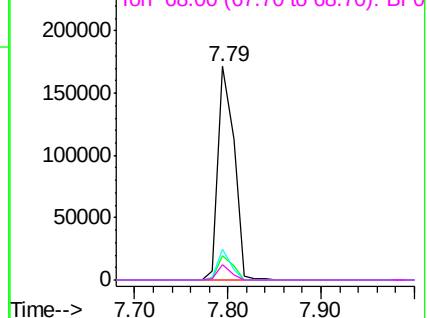


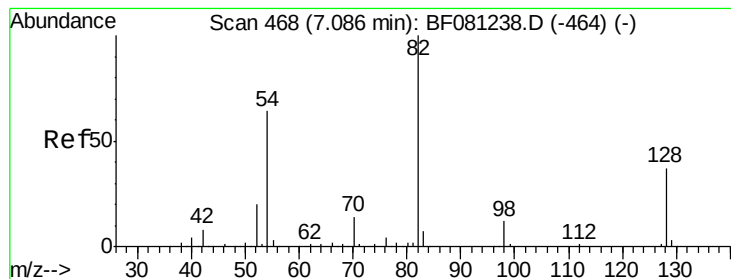
Abundance Ion 136.00 (135.70 to 136.70): E

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





#5

Nitrobenzene-d5

Concen: 76.58 ng

RT: 7.09 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

Instrument :

BNA\_F

ClientSampleId :

PB85041BL

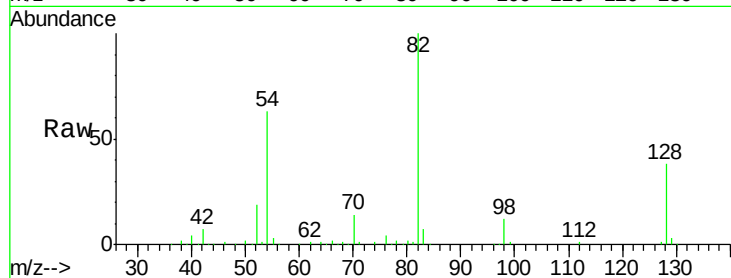
Tgt Ion: 82 Resp: 320960

Ion Ratio Lower Upper

82 100

128 38.3 29.3 43.9

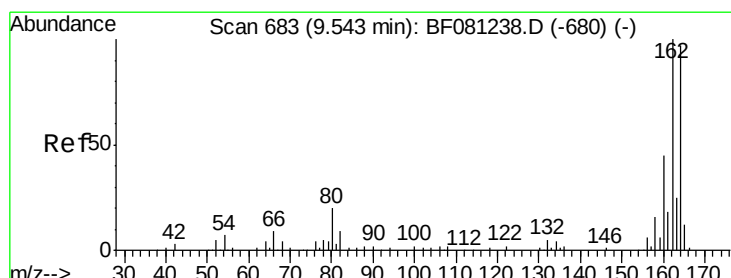
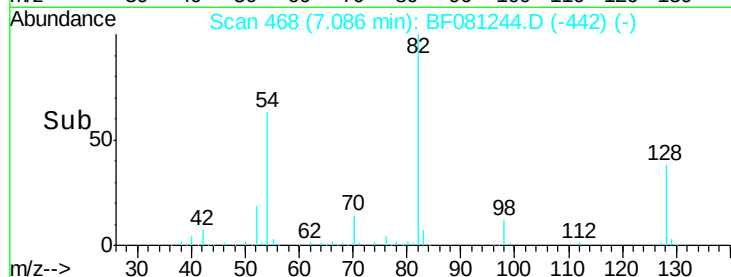
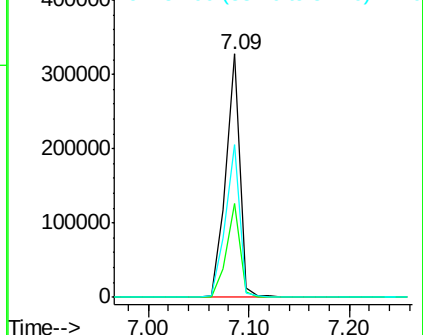
54 62.6 51.1 76.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#7

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

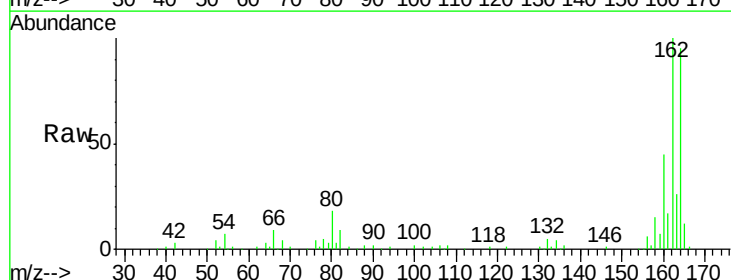
Tgt Ion: 164 Resp: 106590

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

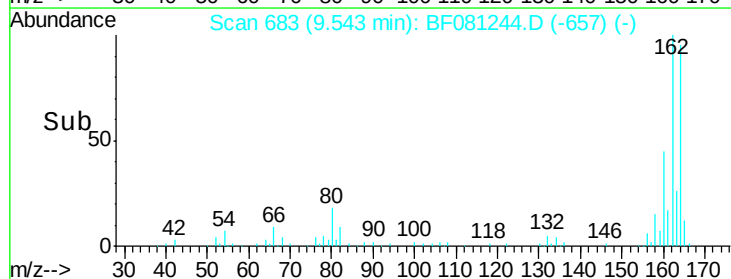
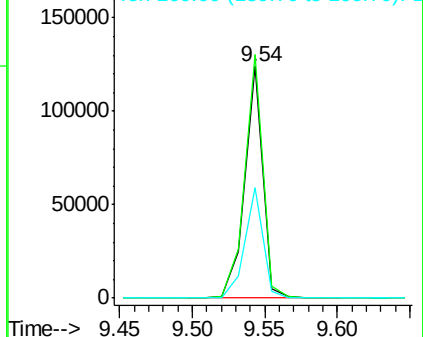
160 47.6 36.8 55.2

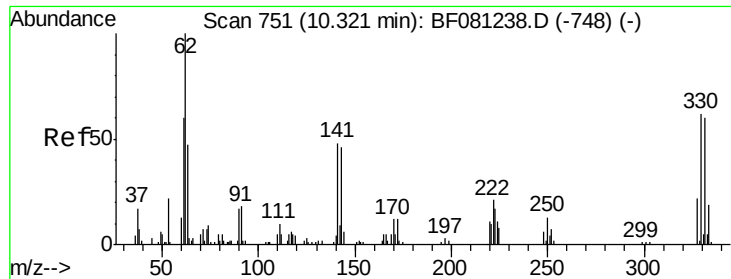


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0





#8

2,4,6-Tribromophenol

Concen: 113.60 ng

RT: 10.33 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

Instrument :

BNA\_F

ClientSampleId :

PB85041BL

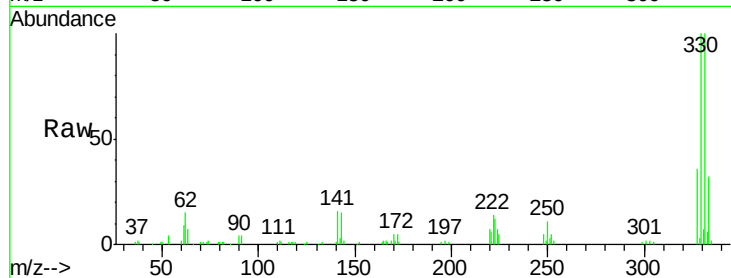
Tgt Ion:330 Resp: 88237

Ion Ratio Lower Upper

330 100

332 96.9 75.5 113.3

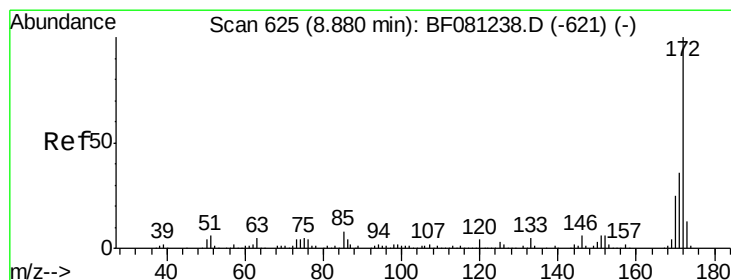
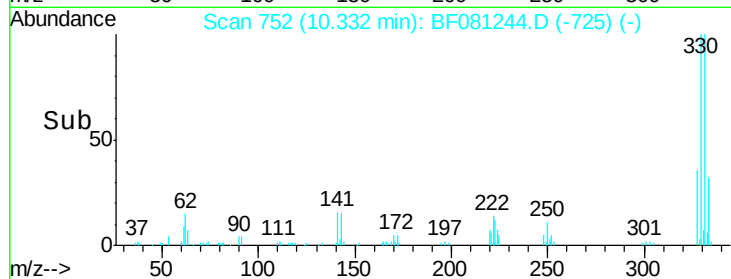
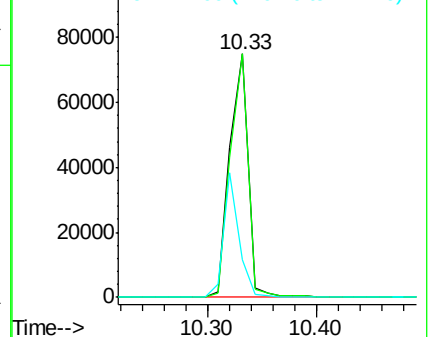
141 42.9 40.3 60.5



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



#9

2-Fluorobiphenyl

Concen: 68.30 ng

RT: 8.88 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF081244.D

Acq: 27 Aug 2015 10:43

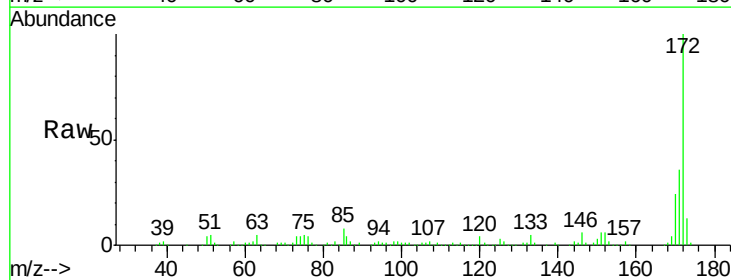
Tgt Ion:172 Resp: 476061

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

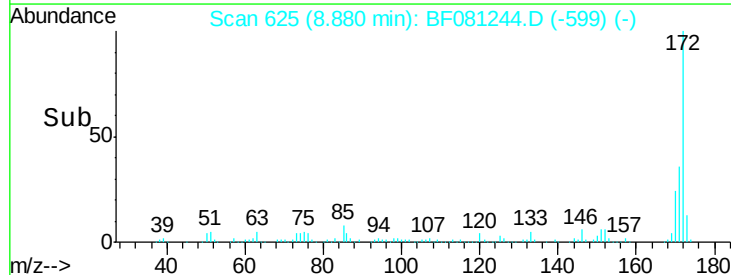
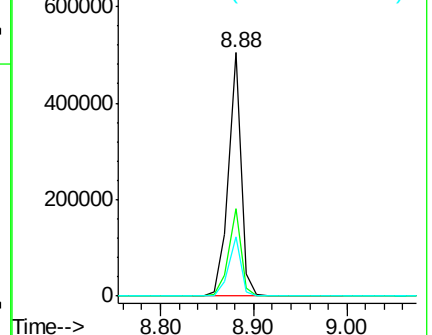
170 24.2 19.7 29.5

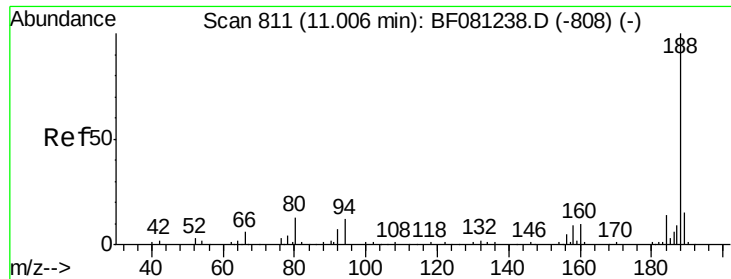


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

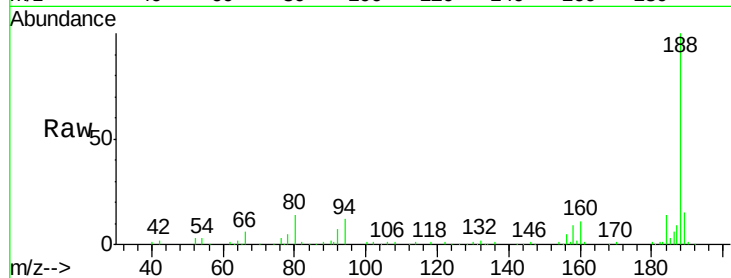




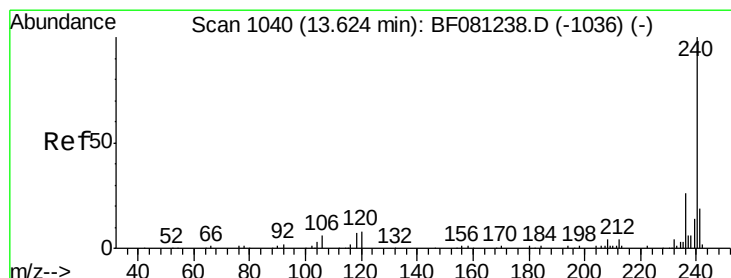
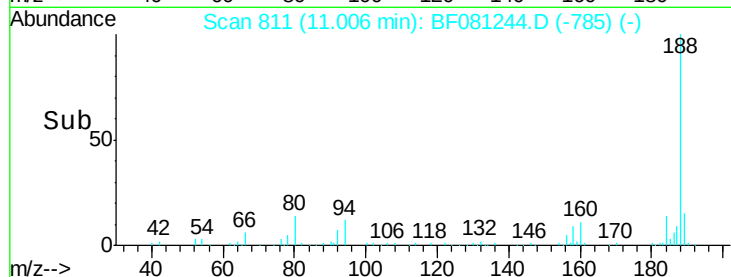
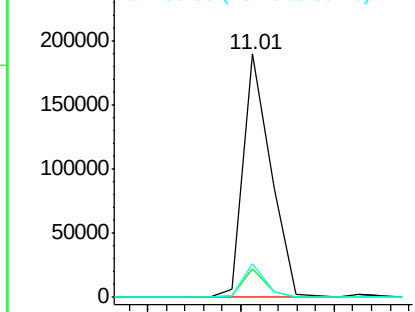
#10  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.01 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF081244.D  
Acq: 27 Aug 2015 10:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB85041BL

Tgt Ion:188 Resp: 195875  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.4 14.2  
80 14.0 10.5 15.7

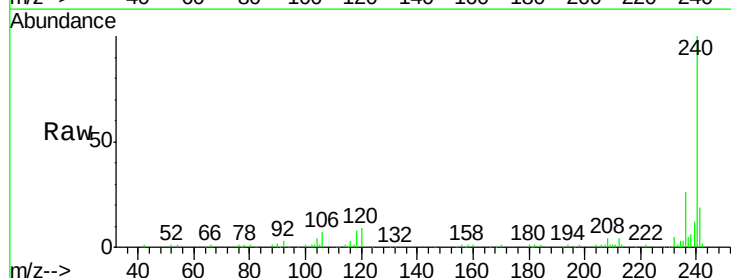


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

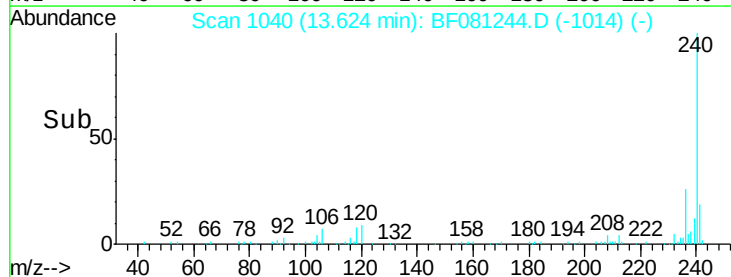
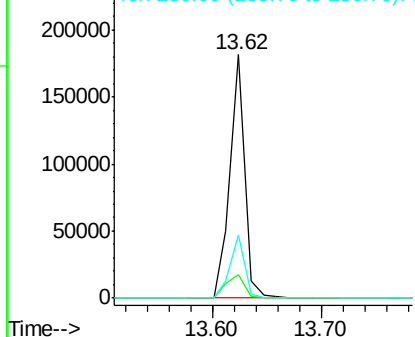


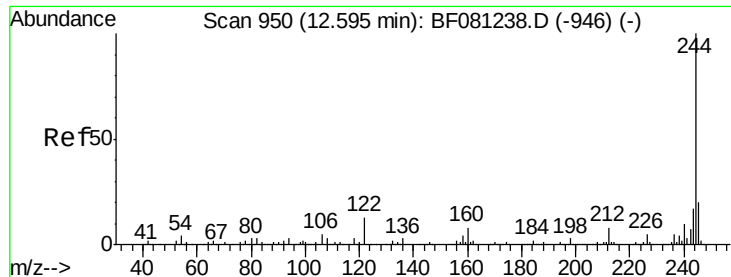
#11  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.62 min Scan# 1040  
Delta R.T. -0.00 min  
Lab File: BF081244.D  
Acq: 27 Aug 2015 10:43

Tgt Ion:240 Resp: 170393  
Ion Ratio Lower Upper  
240 100  
120 9.4 6.2 9.4#  
236 25.8 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

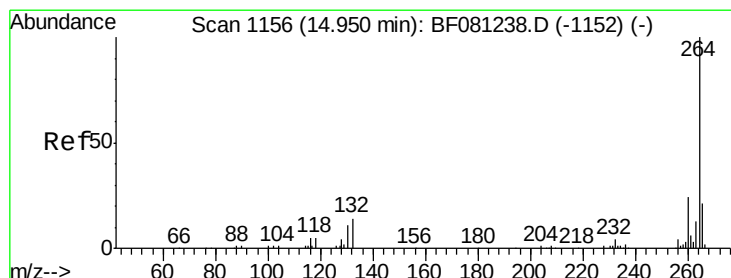
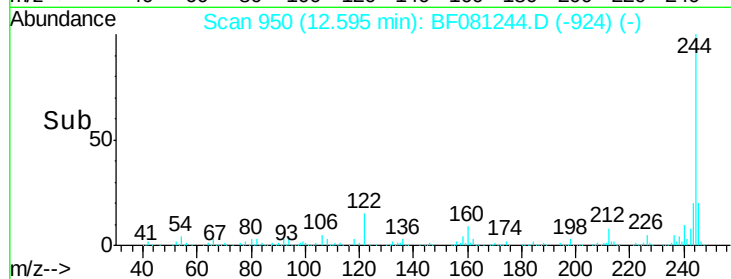
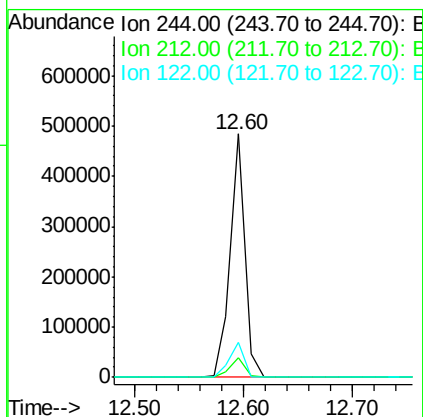
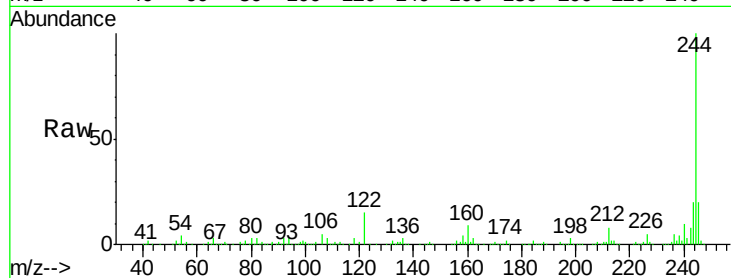




#12  
 Terphenyl-d14  
 Concen: 62.79 ng  
 RT: 12.60 min Scan# 950  
 Delta R.T. -0.00 min  
 Lab File: BF081244.D  
 Acq: 27 Aug 2015 10:43

Instrument :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 6.2   | 9.2   |
| 122     | 14.5  | 10.7  | 16.1  |



#13  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.95 min Scan# 1156  
 Delta R.T. -0.00 min  
 Lab File: BF081244.D  
 Acq: 27 Aug 2015 10:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.9  | 28.3  |
| 265     | 21.0  | 17.1  | 25.7  |

