

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
 Data File : BF075589.D  
 Acq On : 16 Nov 2014 19:44  
 Operator : TP / JJ  
 Sample : PB80336BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80336BL

Quant Time: Nov 17 06:04:12 2014  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 17 05:54:27 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 32035    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.13  | 136  | 136068   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.32 | 164  | 70165    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 13.17 | 188  | 124784   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 16.46 | 240  | 139232   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 18.23 | 264  | 167981   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.85  | 112  | 143043   | 78.88 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 165762   | 76.02 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 157249   | 84.73 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.30 | 330  | 47549    | 80.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.48 | 172  | 348747   | 89.81 | ng    | 0.00     |
| 78) Terphenyl-d14           | 15.16 | 244  | 407201   | 78.73 | ng    | 0.00     |

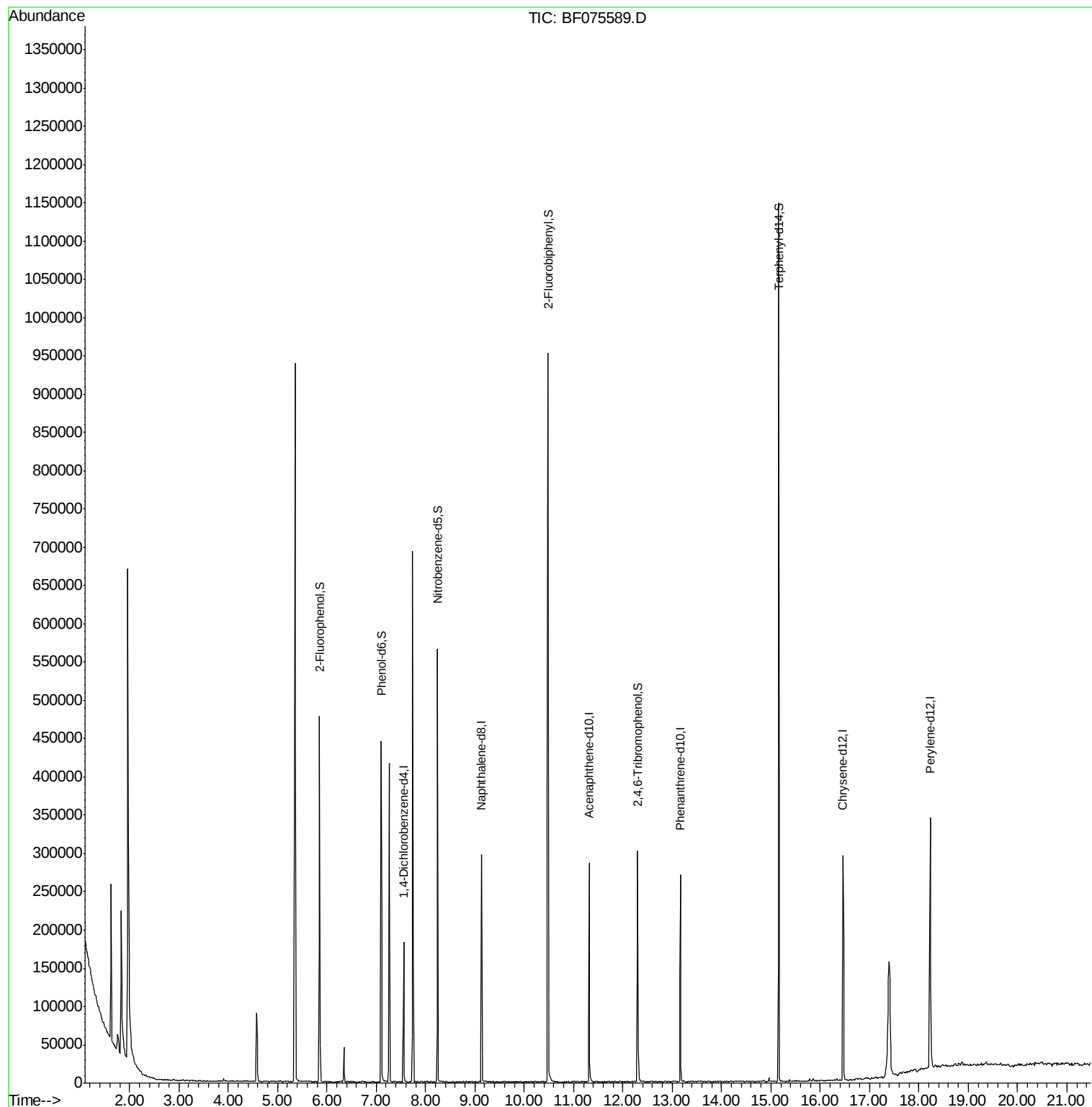
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

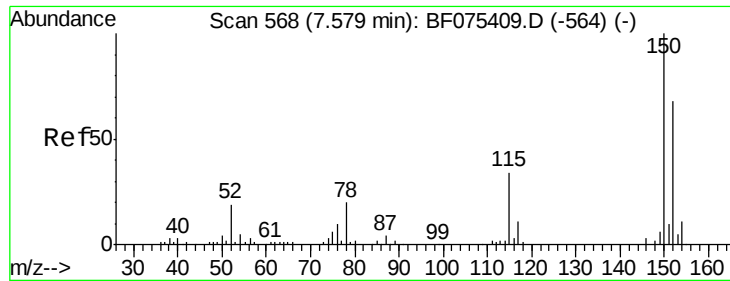
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 17 05:54:27 2014  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

Instrument :

BNA\_F

ClientSampleId :

PB80336BL

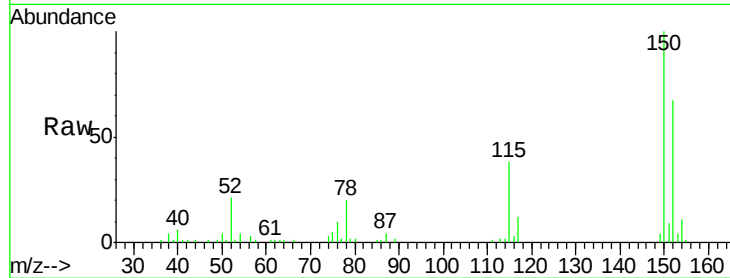
Tgt Ion:152 Resp: 32035

Ion Ratio Lower Upper

152 100

150 150.0 127.2 190.8

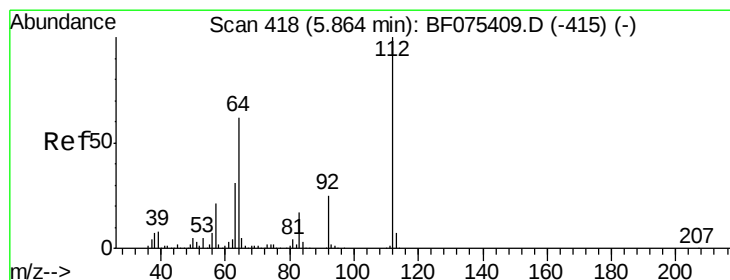
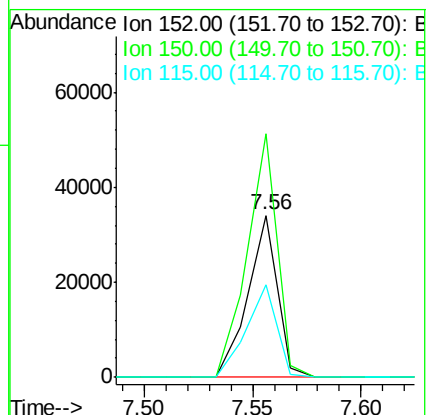
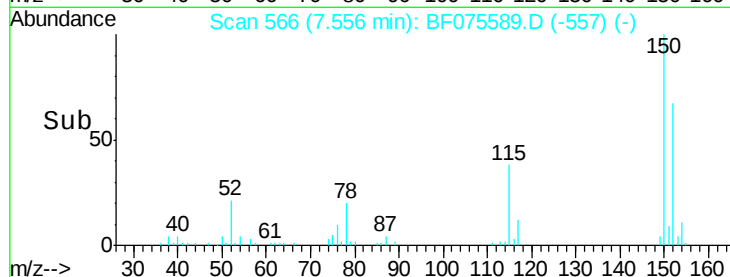
115 57.4 57.1 85.7



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: 78.88 ng

RT: 5.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

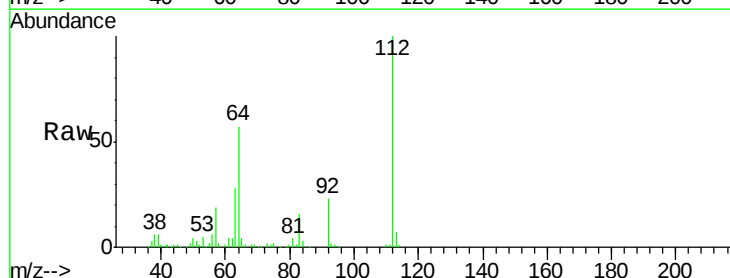
Tgt Ion:112 Resp: 143043

Ion Ratio Lower Upper

112 100

64 56.6 45.8 68.6

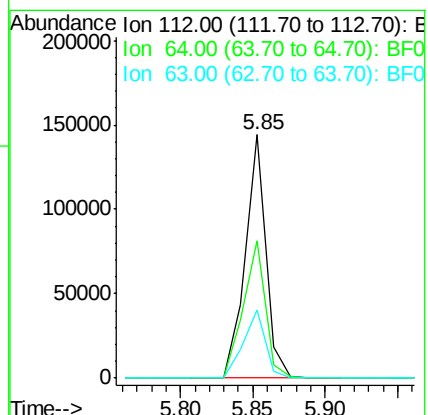
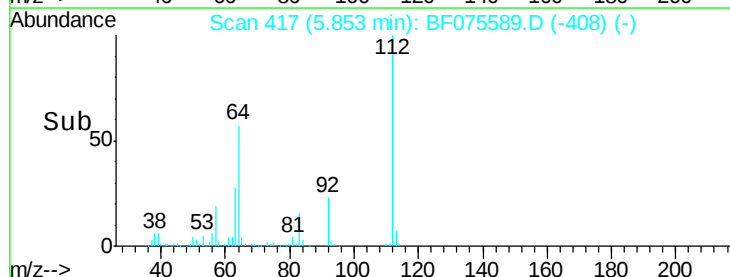
63 28.2 22.7 34.1

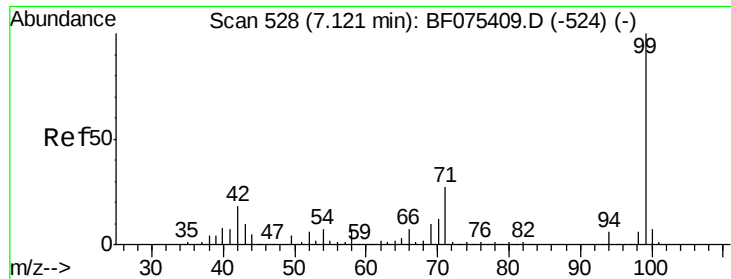


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 76.02 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

Instrument :

BNA\_F

ClientSampleId :

PB80336BL

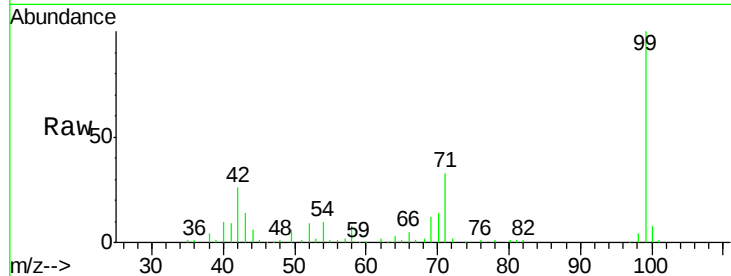
Tgt Ion: 99 Resp: 165762

Ion Ratio Lower Upper

99 100

42 25.5 19.8 29.6

71 33.1 25.5 38.3



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

200000

150000

100000

50000

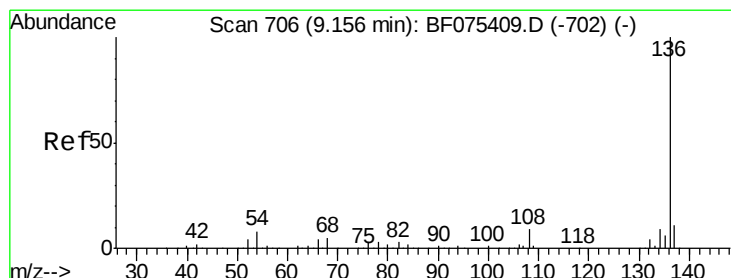
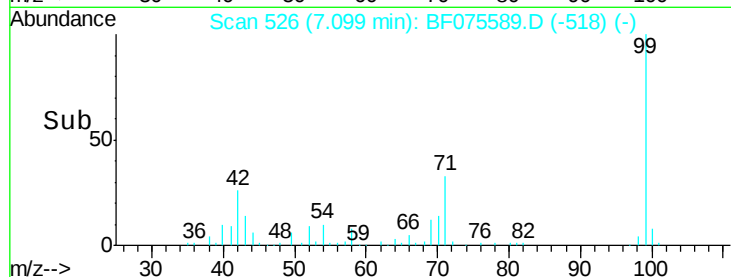
0

7.05

7.10

7.15

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

Tgt Ion: 136 Resp: 136068

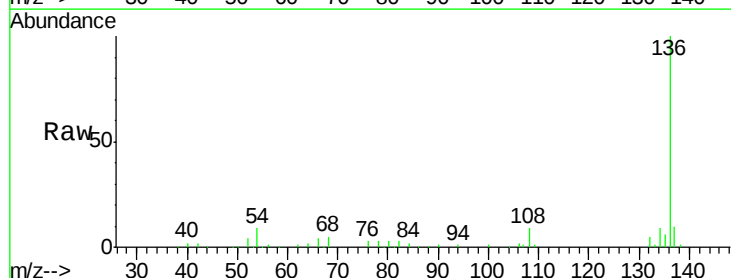
Ion Ratio Lower Upper

136 100

137 10.1 8.2 12.4

54 8.5 6.2 9.4

68 4.6 3.4 5.2



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

200000

150000

100000

50000

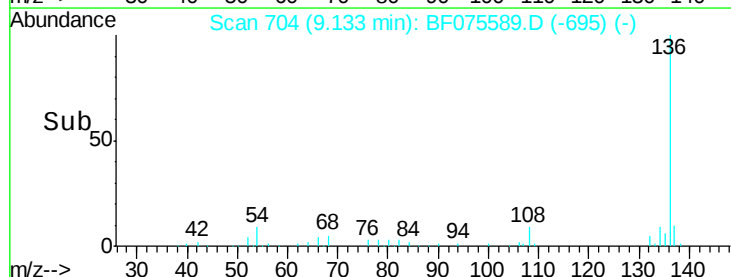
0

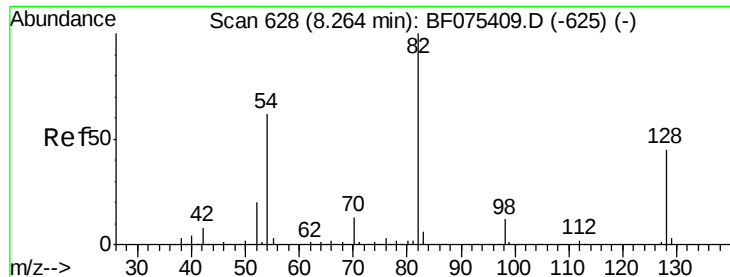
9.10

9.15

9.20

Time-->

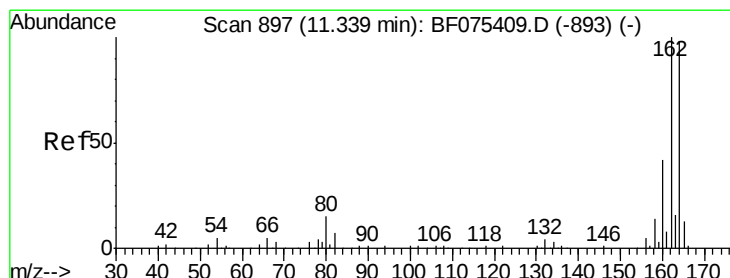
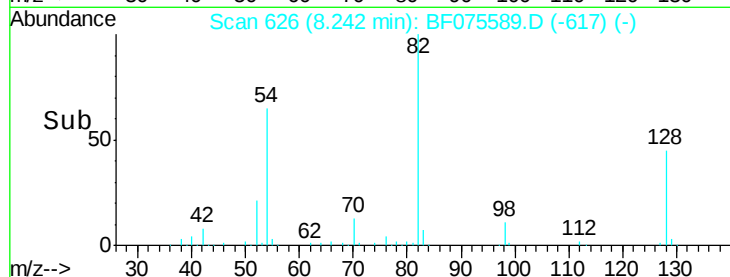
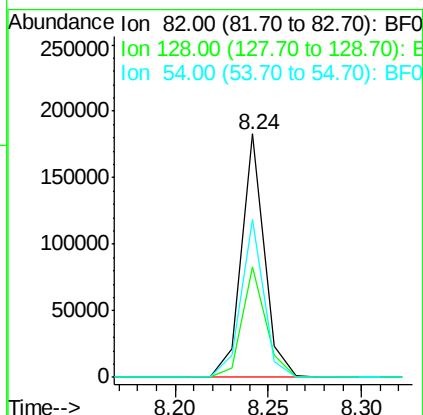
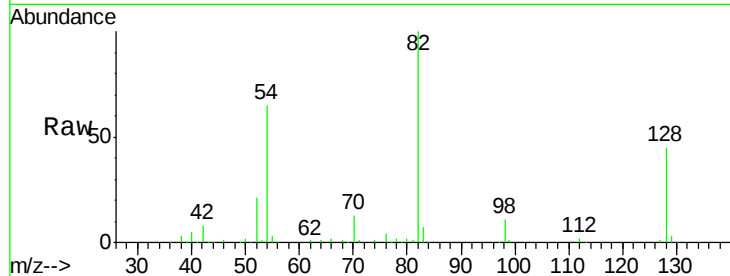




#23  
 Nitrobenzene-d5  
 Concen: 84.73 ng  
 RT: 8.24 min Scan# 626  
 Delta R.T. -0.00 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

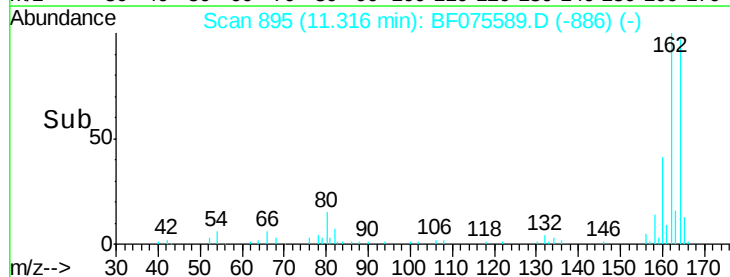
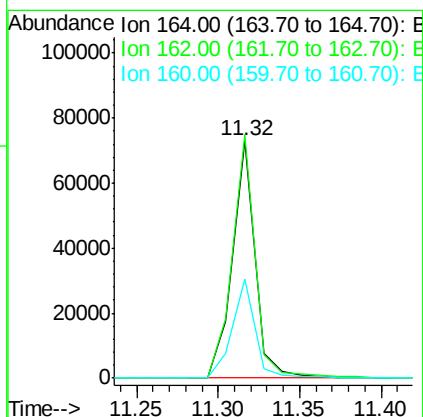
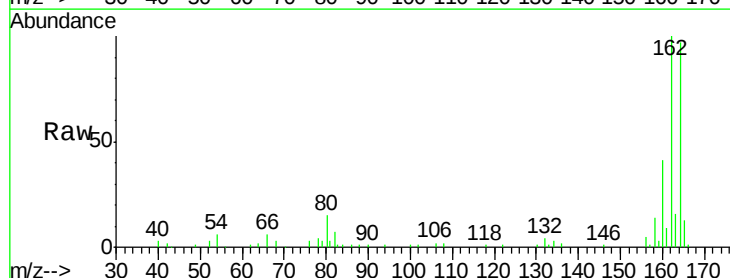
Instrument :  
 BNA\_F  
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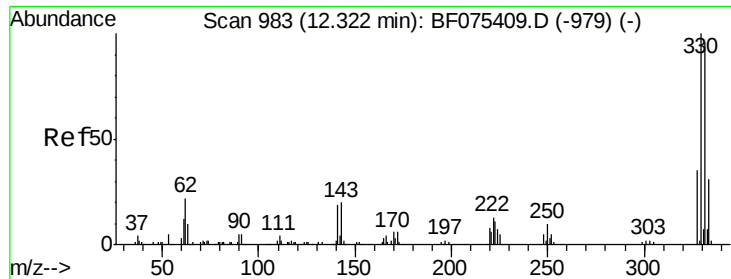
Tgt Ion: 82 Resp: 157249  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 37.8 56.6  
 54 64.8 49.8 74.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 895  
 Delta R.T. -0.00 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

Tgt Ion: 164 Resp: 70165  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 79.1 118.7  
 160 41.8 34.6 51.8

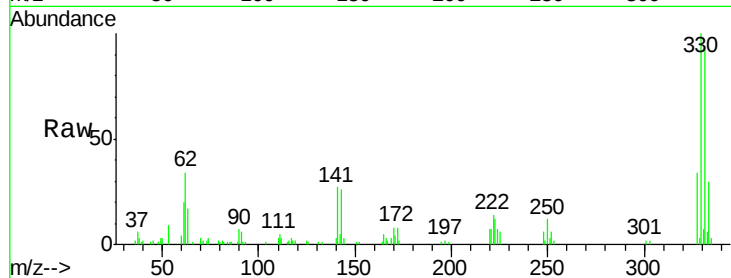




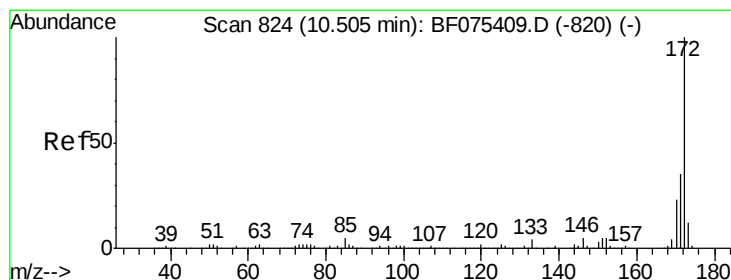
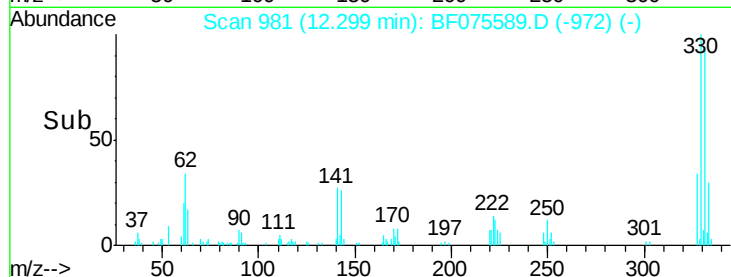
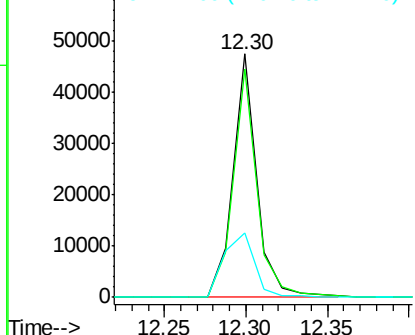
#41  
 2,4,6-Tribromophenol  
 Concen: 80.91 ng  
 RT: 12.30 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80336BL

Tgt Ion:330 Resp: 47549  
 Ion Ratio Lower Upper  
 330 100  
 332 94.4 74.5 111.7  
 141 34.6 30.7 46.1

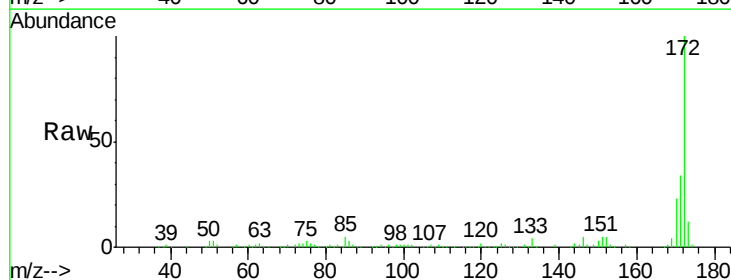


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

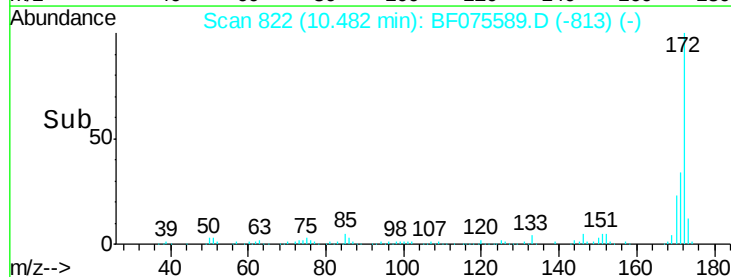
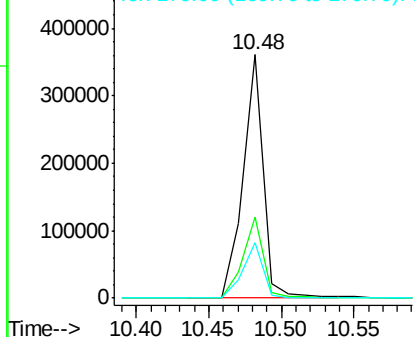


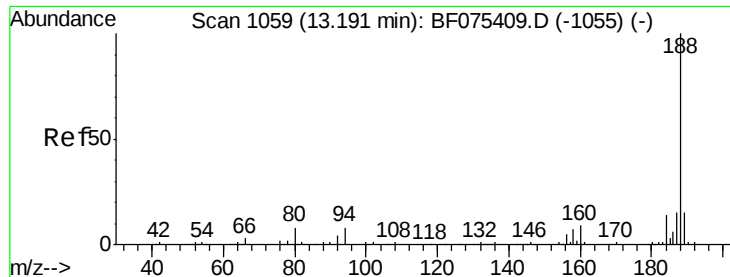
#44  
 2-Fluorobiphenyl  
 Concen: 89.81 ng  
 RT: 10.48 min Scan# 822  
 Delta R.T. -0.00 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

Tgt Ion:172 Resp: 348747  
 Ion Ratio Lower Upper  
 172 100  
 171 33.5 27.3 40.9  
 170 22.9 18.4 27.6



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: 13.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

Instrument :

BNA\_F

ClientSampleId :

PB80336BL

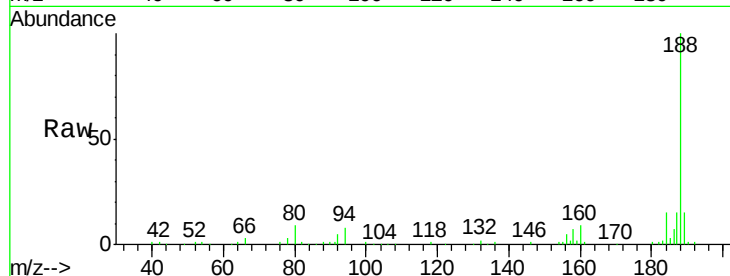
Tgt Ion:188 Resp: 124784

Ion Ratio Lower Upper

188 100

94 8.1 7.8 11.6

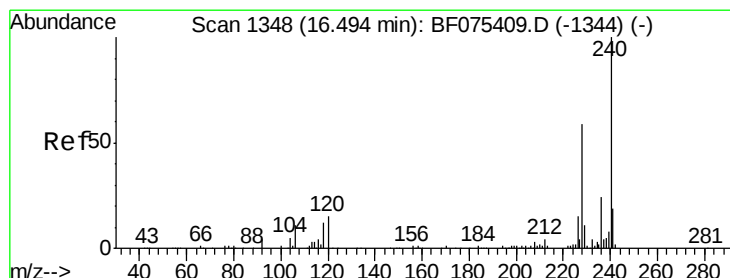
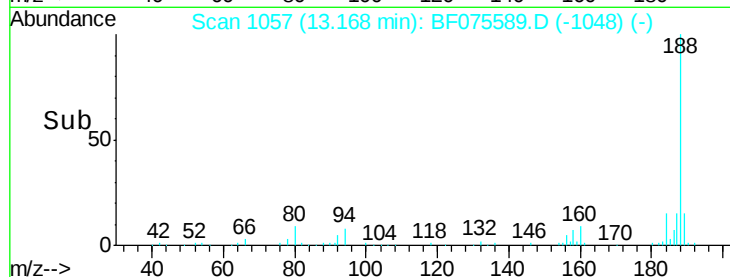
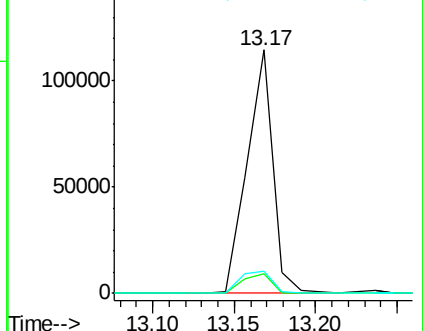
80 8.9 8.0 12.0



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: 16.46 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF075589.D

Acq: 16 Nov 2014 19:44

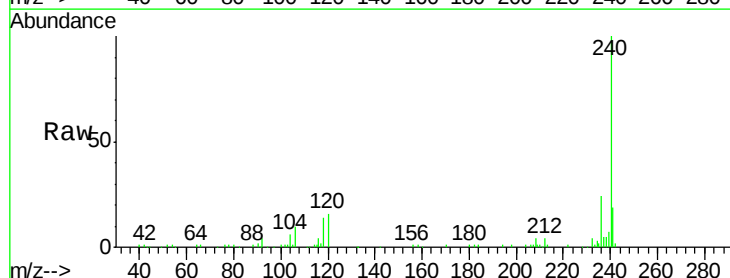
Tgt Ion:240 Resp: 139232

Ion Ratio Lower Upper

240 100

120 15.5 9.6 14.4#

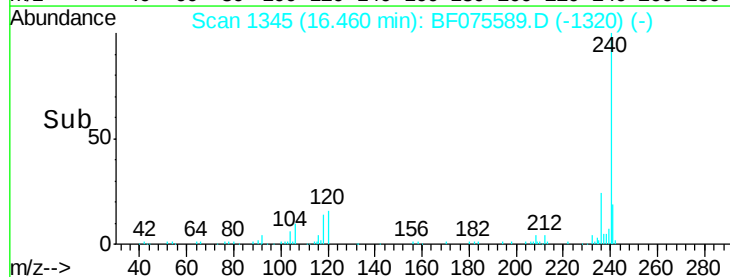
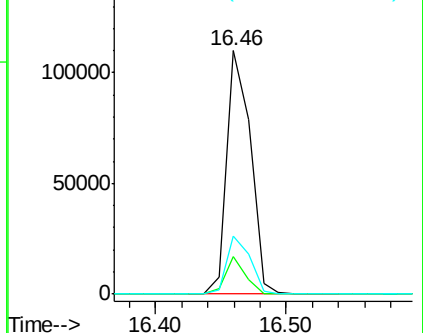
236 23.8 18.9 28.3

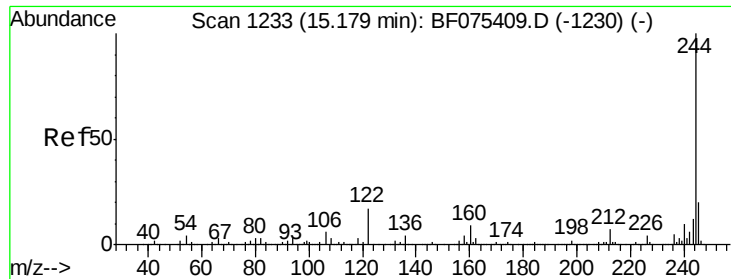


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

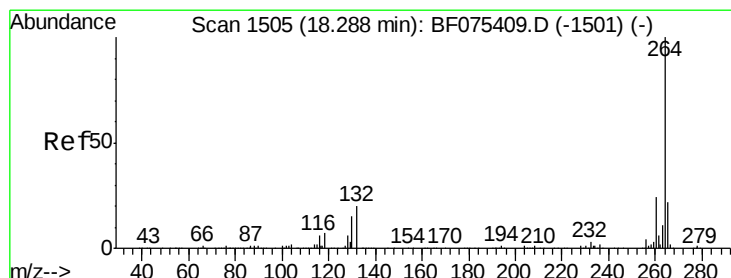
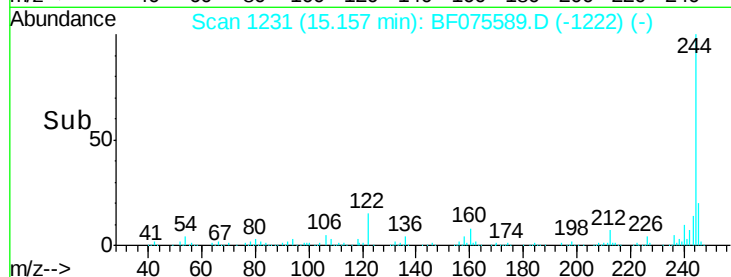
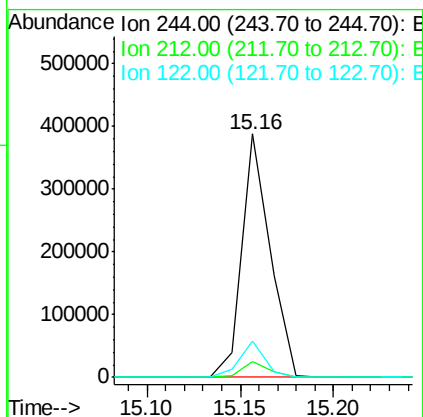
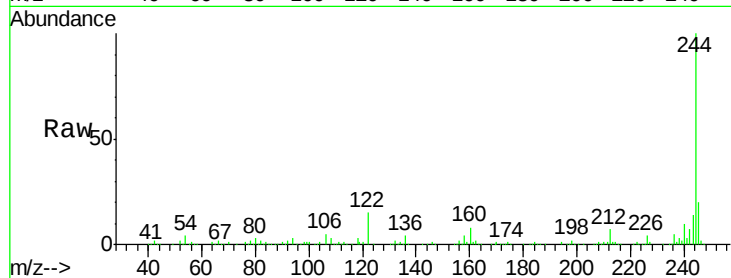




#78  
 Terphenyl-d14  
 Concen: 78.73 ng  
 RT: 15.16 min Scan# 1231  
 Delta R.T. -0.00 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

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Tgt Ion:244 Resp: 407201  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.5 8.3  
 122 14.9 9.7 14.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.23 min Scan# 1500  
 Delta R.T. -0.01 min  
 Lab File: BF075589.D  
 Acq: 16 Nov 2014 19:44

Tgt Ion:264 Resp: 167981  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 17.9 26.9  
 265 22.2 16.3 24.5

