

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011817\  
 Data File : BF092353.D  
 Acq On : 18 Jan 2017 16:10  
 Operator : UM/SJ  
 Sample : PB96092BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96092BL

Quant Time: Jan 19 02:42:50 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 19 01:06:01 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.54  | 152  | 157736   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.83  | 136  | 621818   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.57  | 164  | 407031   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.06 | 188  | 663796   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.69 | 240  | 421553   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.03 | 264  | 398696   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.14  | 112  | 1410537  | 149.31 | ng    | 0.01     |
| 7) Phenol-d6                | 6.21  | 99   | 1595929  | 138.37 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.11  | 82   | 960812   | 85.92  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.37 | 330  | 450587   | 133.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.91  | 172  | 1997831  | 103.35 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.64 | 244  | 1771719  | 101.93 | ng    | 0.00     |

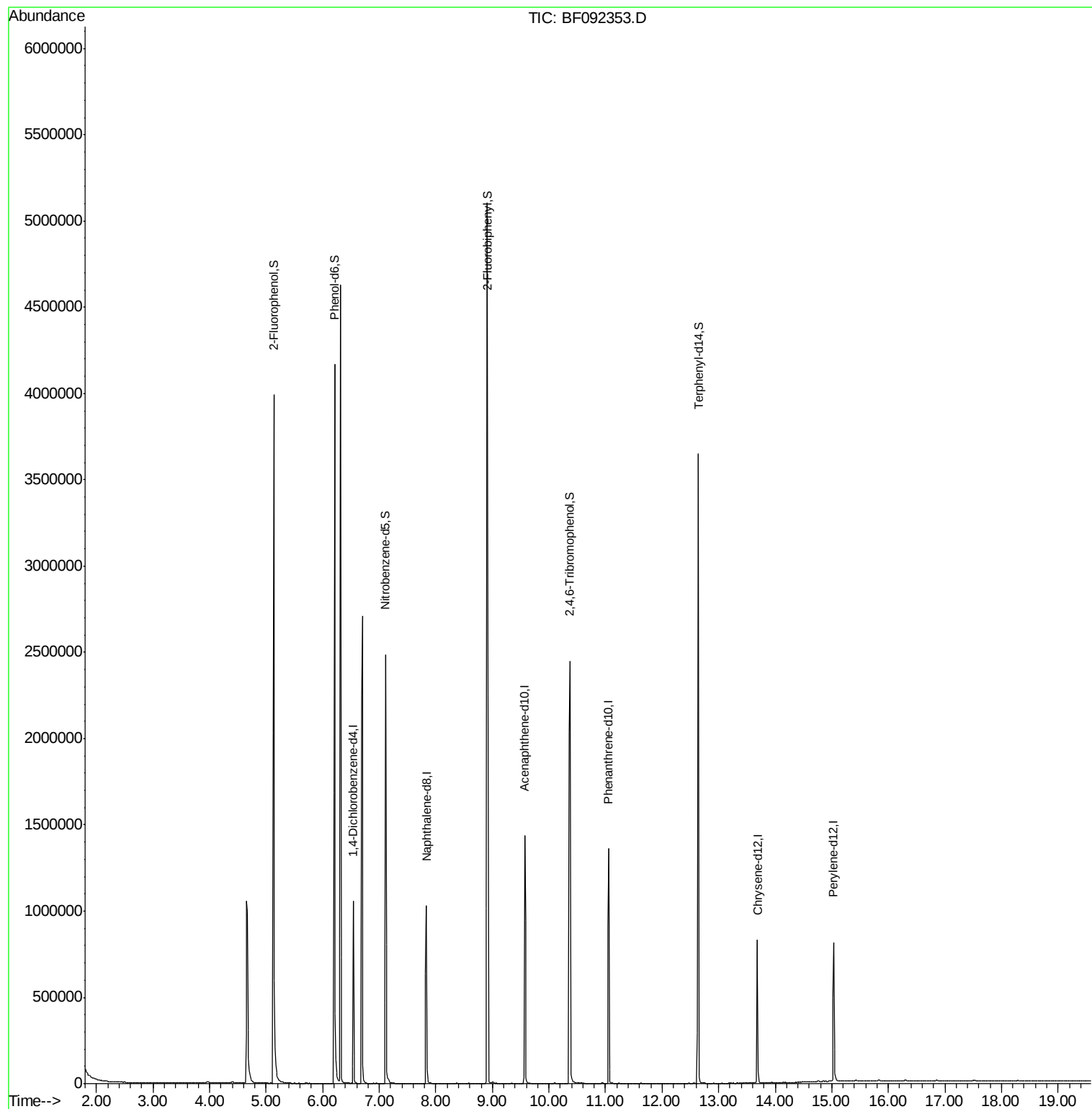
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

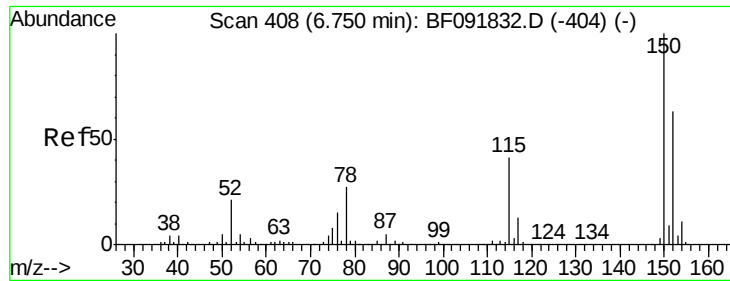
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 19 01:06:01 2017  
Response via : Initial Calibration



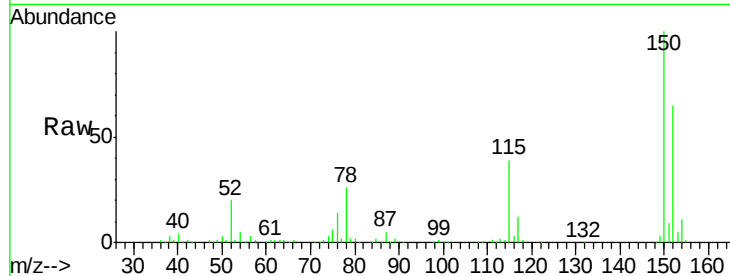


#1

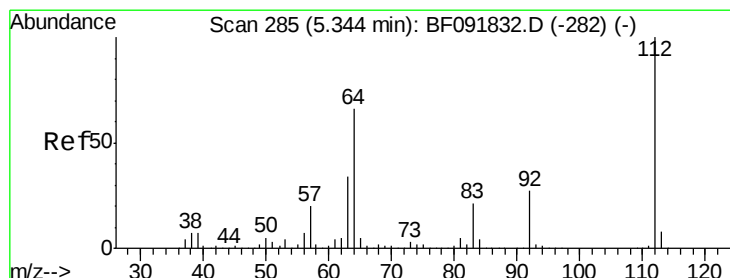
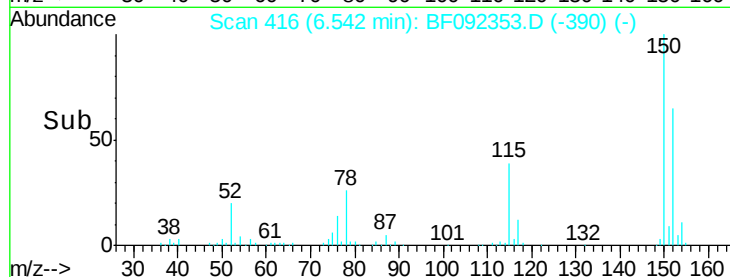
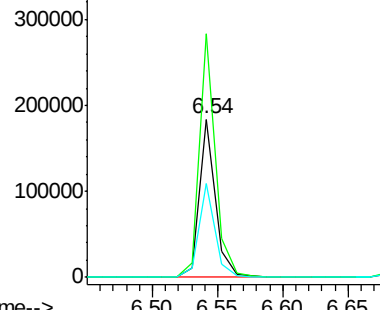
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.54 min Scan# 416  
 Delta R.T. -0.00 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96092BL

Tgt Ion:152 Resp: 157736  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 124.9 187.3  
 115 59.3 46.0 69.0



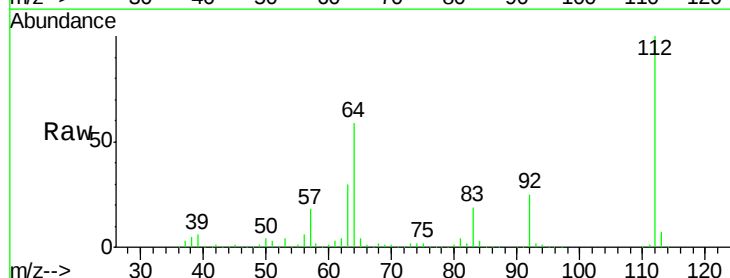
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



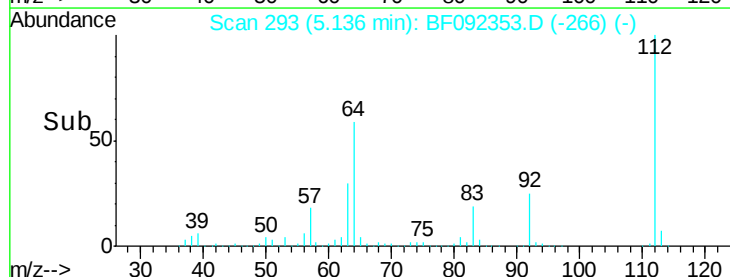
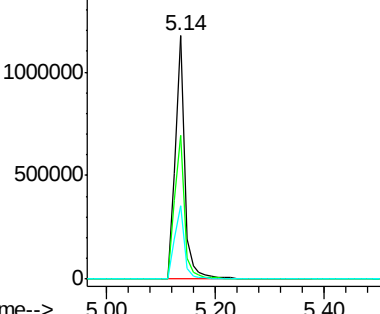
#5

2-Fluorophenol  
 Concen: 149.31 ng  
 RT: 5.14 min Scan# 293  
 Delta R.T. 0.01 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

Tgt Ion:112 Resp: 1410537  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 46.1 69.1  
 63 30.2 23.8 35.6



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: 138.37 ng

RT: 6.21 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092353.D

Acq: 18 Jan 2017 16:10

Instrument :

BNA\_F

ClientSampleId :

PB96092BL

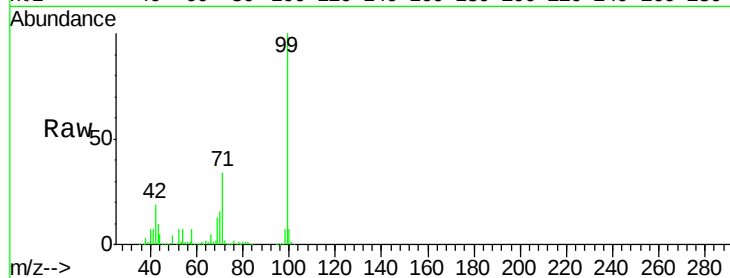
Tgt Ion: 99 Resp: 1595929

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

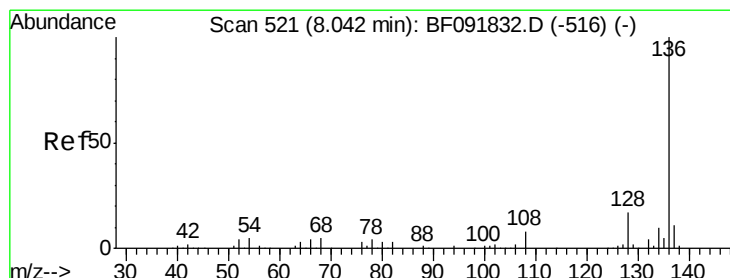
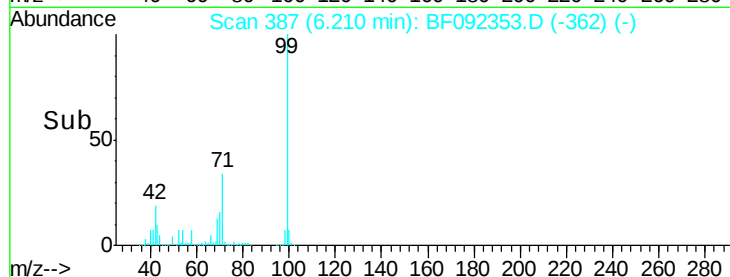
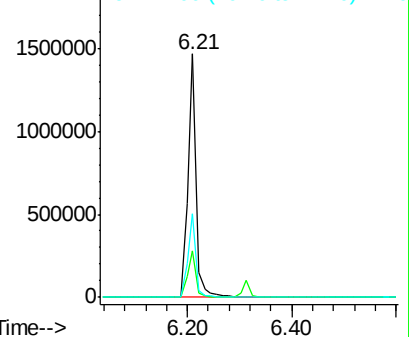
71 34.4 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF092353.D

Acq: 18 Jan 2017 16:10

Tgt Ion: 136 Resp: 621818

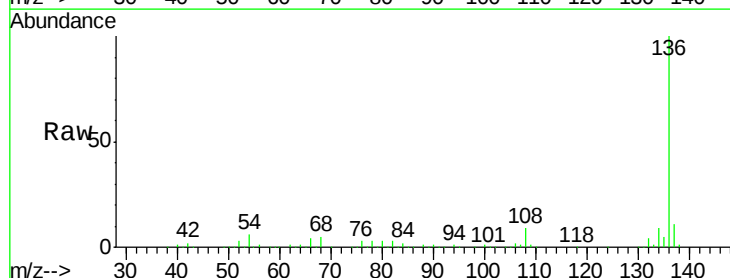
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.2 4.5 6.7

68 5.1 3.6 5.4

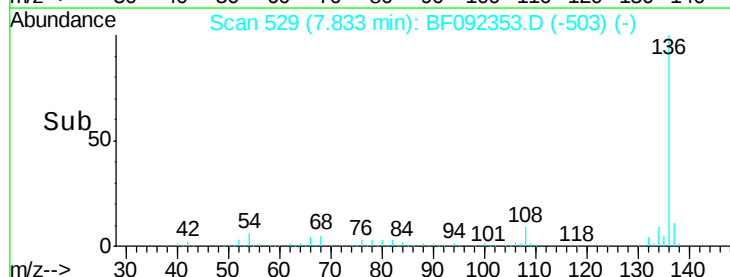
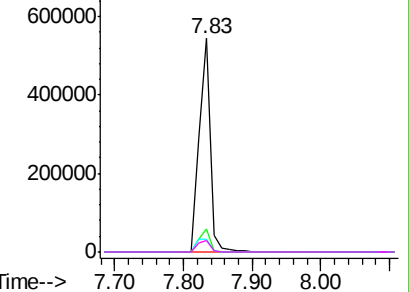


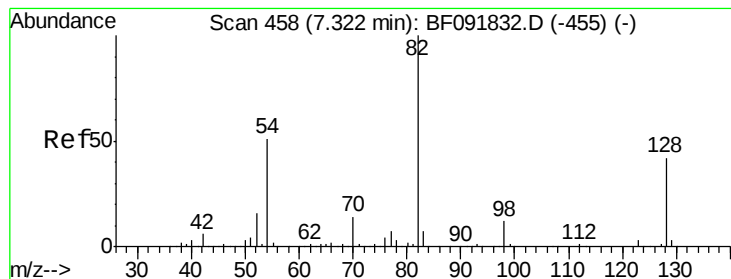
Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.92 ng

RT: 7.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF092353.D

Acq: 18 Jan 2017 16:10

Instrument :

BNA\_F

ClientSampleId :

PB96092BL

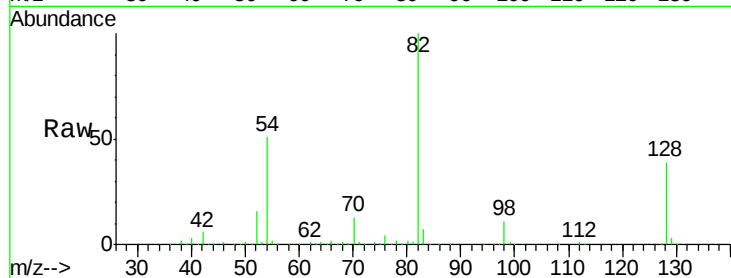
Tgt Ion: 82 Resp: 960812

Ion Ratio Lower Upper

82 100

128 39.5 34.6 52.0

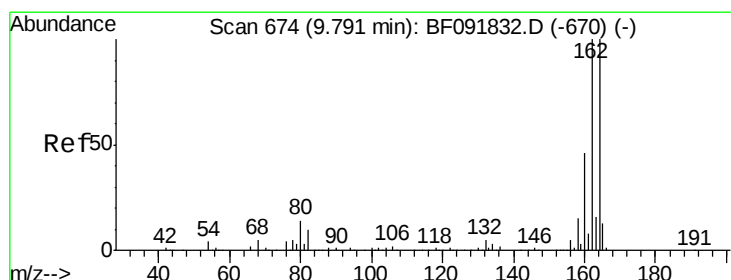
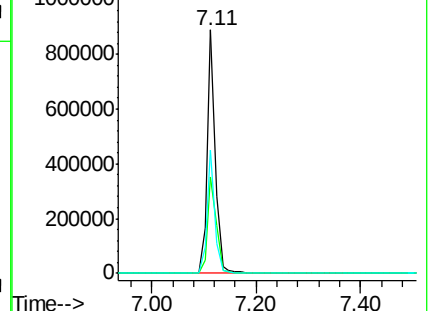
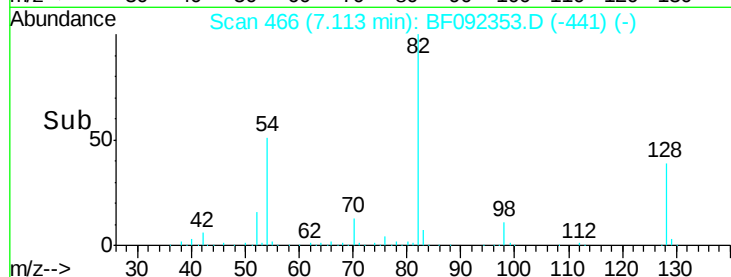
54 50.7 39.5 59.3



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: 9.57 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092353.D

Acq: 18 Jan 2017 16:10

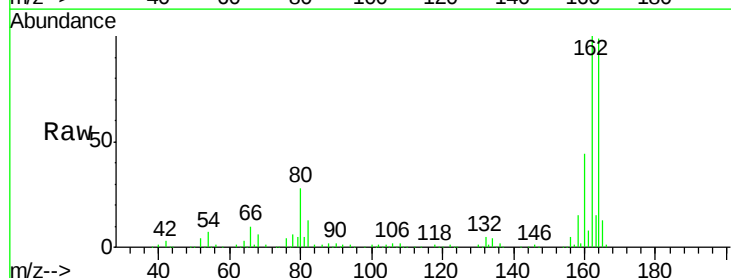
Tgt Ion: 164 Resp: 407031

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

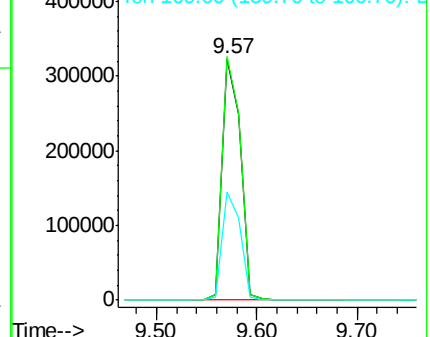
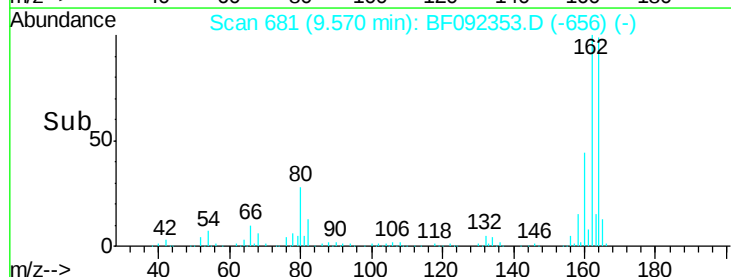
160 44.8 36.9 55.3

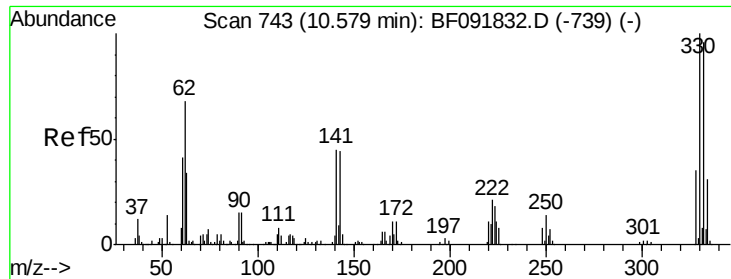


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

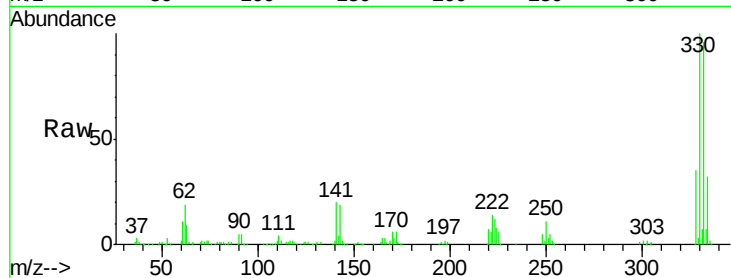




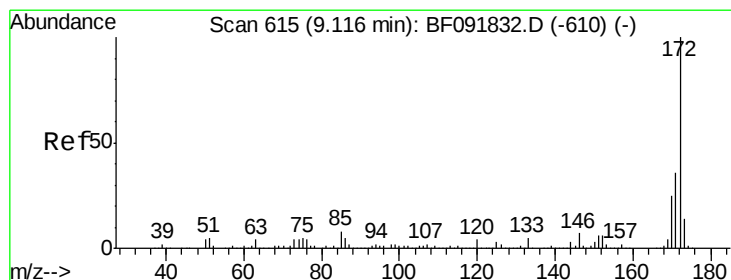
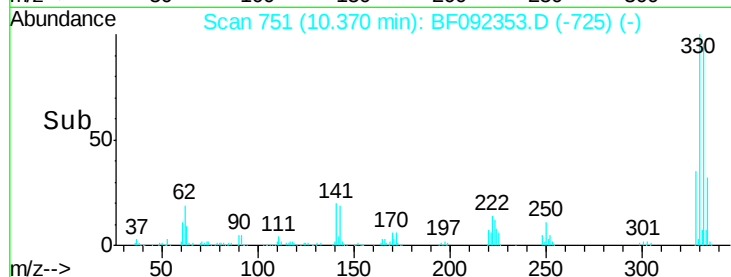
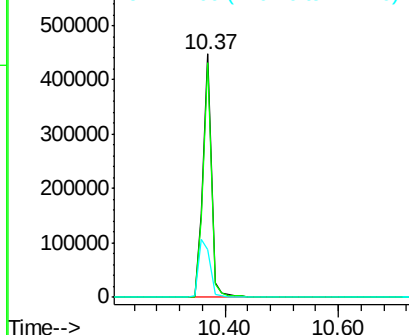
#41  
 2,4,6-Tribromophenol  
 Concen: 133.77 ng  
 RT: 10.37 min Scan# 751  
 Delta R.T. -0.00 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

Instrument :  
 BNA\_F  
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 PB96092BL

Tgt Ion:330 Resp: 450587  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.2  
 141 32.0 34.1 51.1#

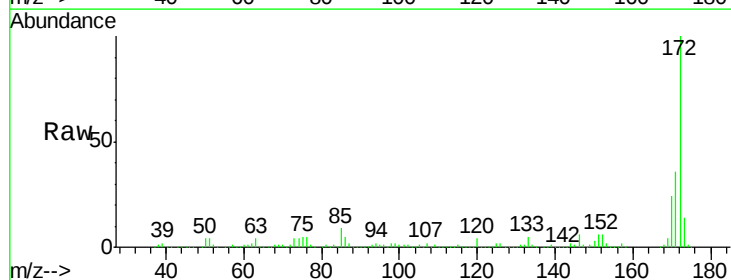


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

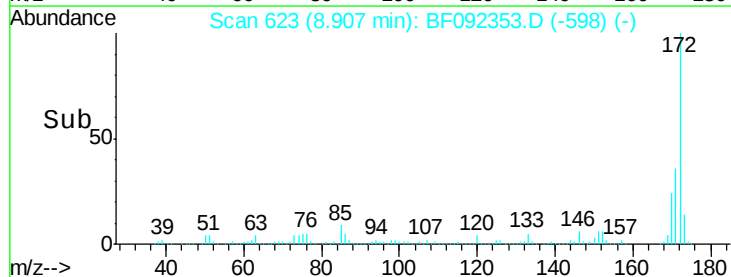
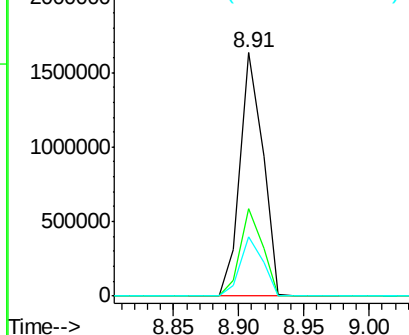


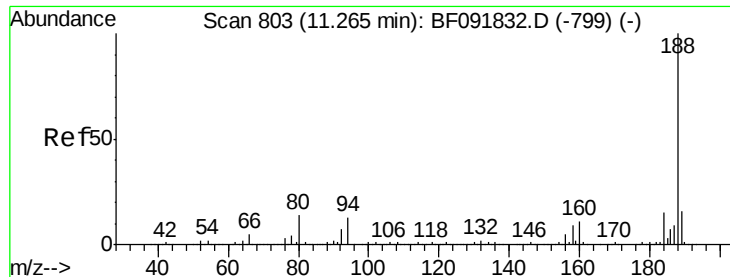
#44  
 2-Fluorobiphenyl  
 Concen: 103.35 ng  
 RT: 8.91 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

Tgt Ion:172 Resp: 1997831  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.4 44.0  
 170 24.3 20.2 30.4



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

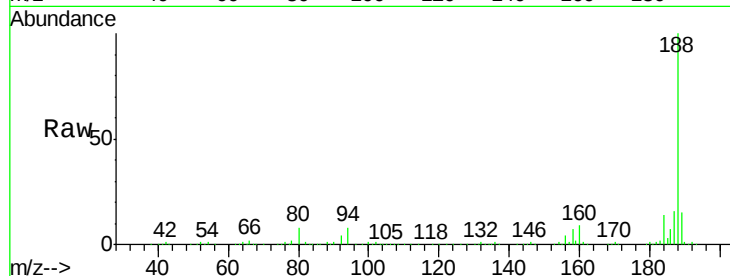




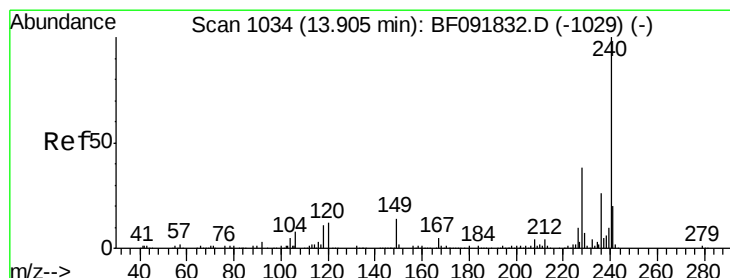
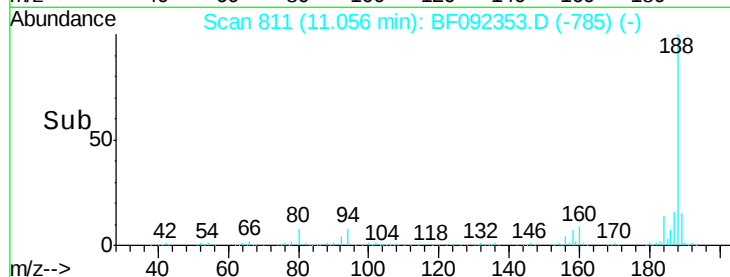
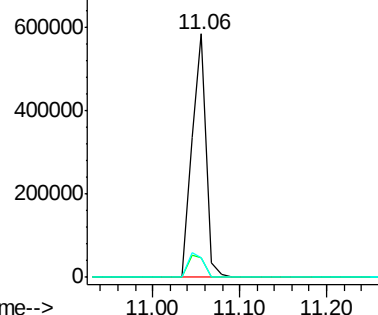
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.06 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF092353.D  
Acq: 18 Jan 2017 16:10

Instrument :  
BNA\_F  
ClientSampleId :  
PB96092BL

Tgt Ion:188 Resp: 663796  
Ion Ratio Lower Upper  
188 100  
94 8.0 10.0 15.0#  
80 8.3 11.2 16.8#

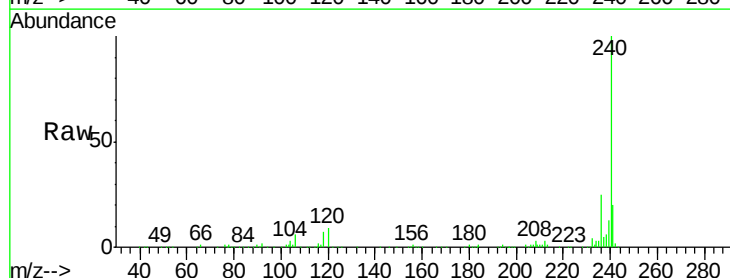


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

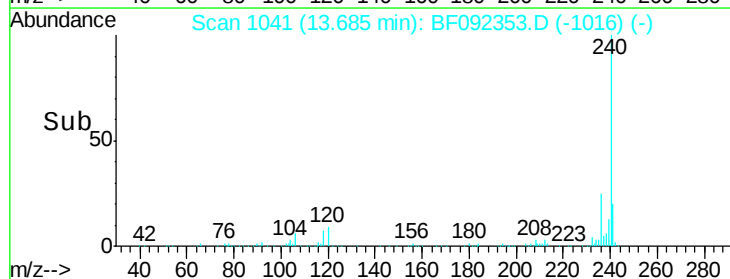
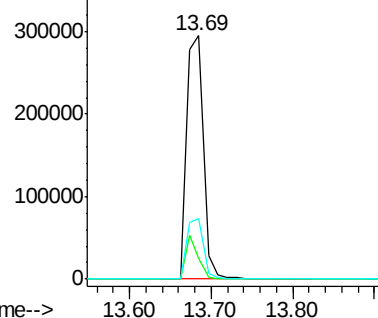


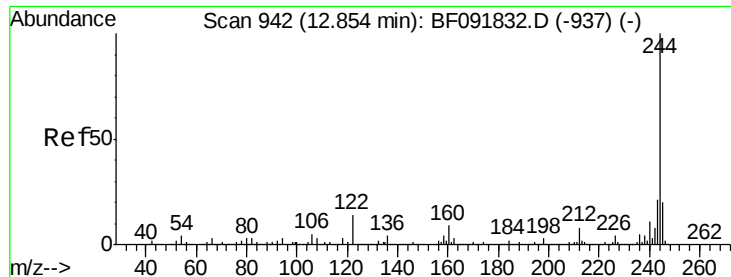
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.69 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: BF092353.D  
Acq: 18 Jan 2017 16:10

Tgt Ion:240 Resp: 421553  
Ion Ratio Lower Upper  
240 100  
120 8.6 12.9 19.3#  
236 24.7 20.9 31.3



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

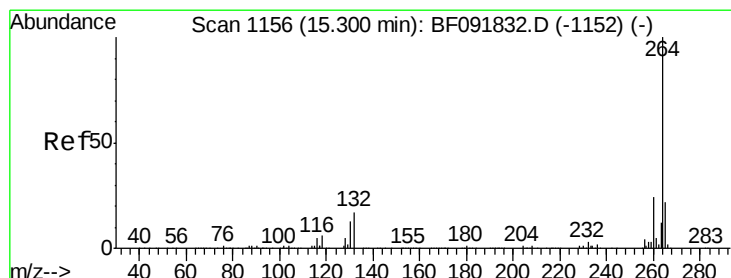
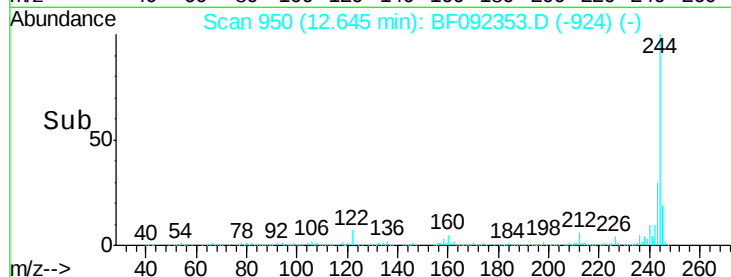
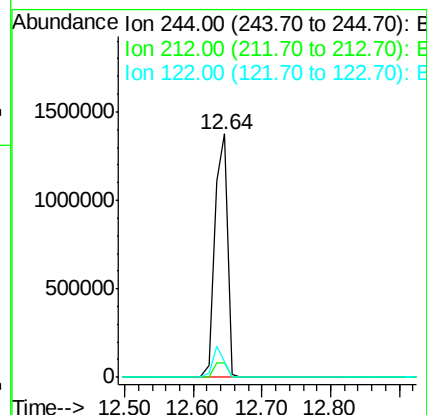
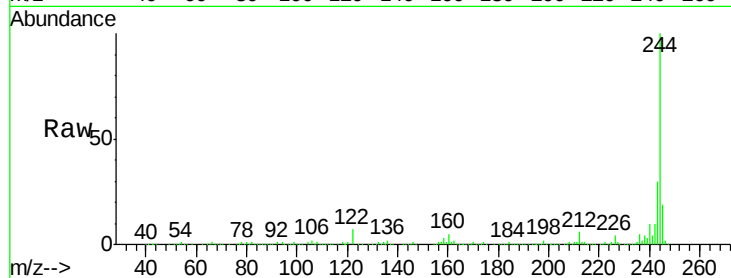




#78  
 Terphenyl-d14  
 Concen: 101.93 ng  
 RT: 12.64 min Scan# 950  
 Delta R.T. -0.00 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

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Tgt Ion:244 Resp: 1771719  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 6.2 9.2#  
 122 6.7 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.03 min Scan# 1159  
 Delta R.T. -0.00 min  
 Lab File: BF092353.D  
 Acq: 18 Jan 2017 16:10

Tgt Ion:264 Resp: 398696  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 22.2 17.4 26.0

