

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021517\  
 Data File : BF092954.D  
 Acq On : 15 Feb 2017 16:46  
 Operator : SJ/MA  
 Sample : PB96953BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96953BL

Quant Time: Feb 15 17:54:36 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 13 18:04:38 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 141027   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.16  | 136  | 615266   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.90  | 164  | 328484   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.39 | 188  | 576163   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.03 | 240  | 489739   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.46 | 264  | 430101   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1259274  | 153.19 | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 1366272  | 129.18 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 854063   | 77.30  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 349467   | 147.09 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1529557  | 84.36  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.98 | 244  | 1443395  | 69.25  | ng    | -0.01    |

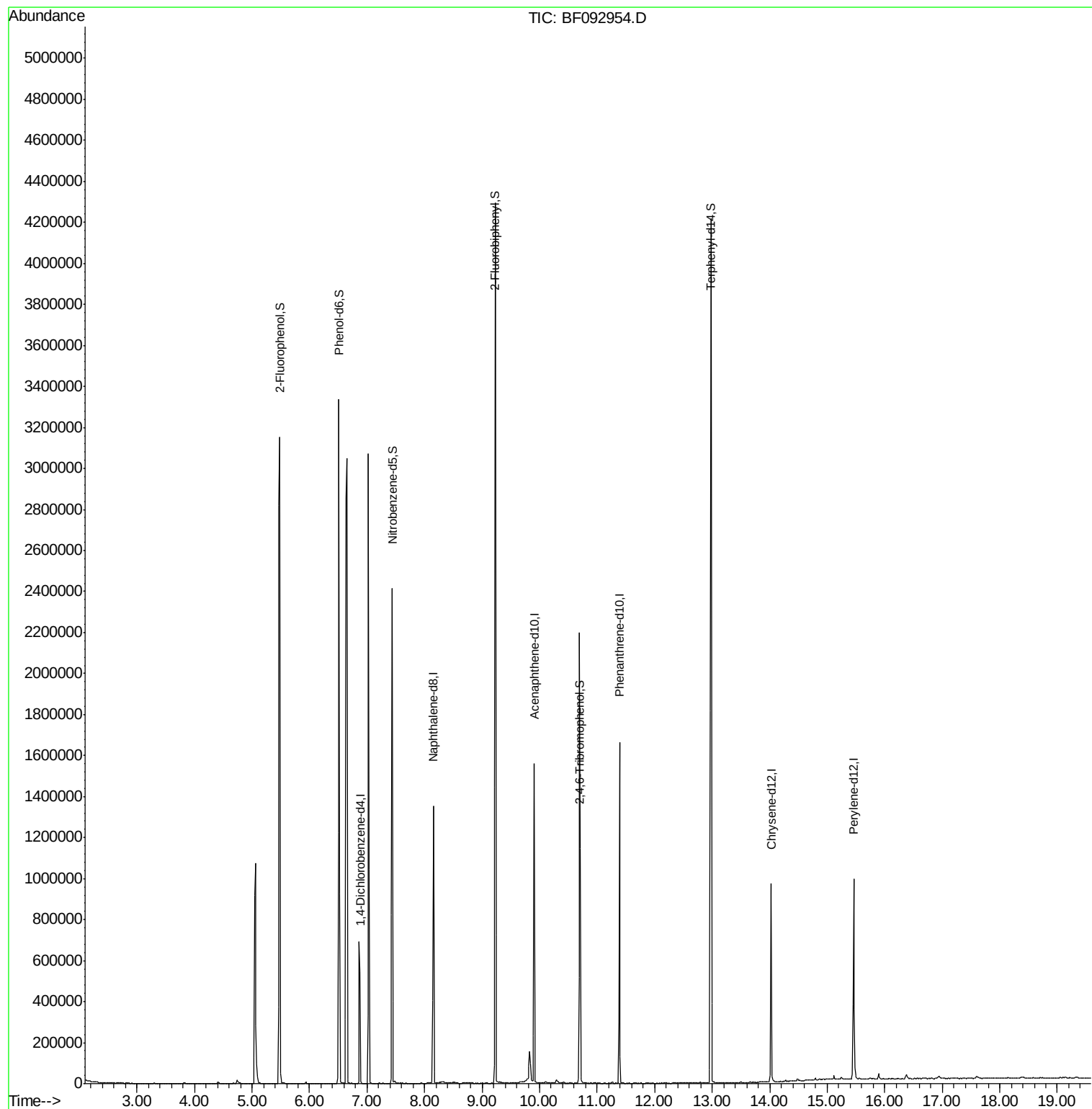
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

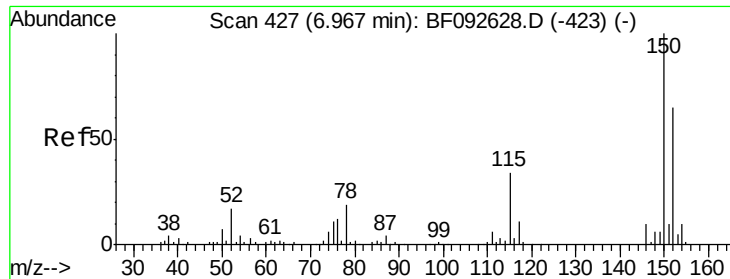
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



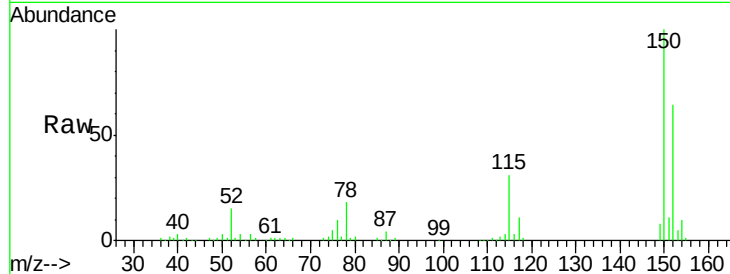


#1

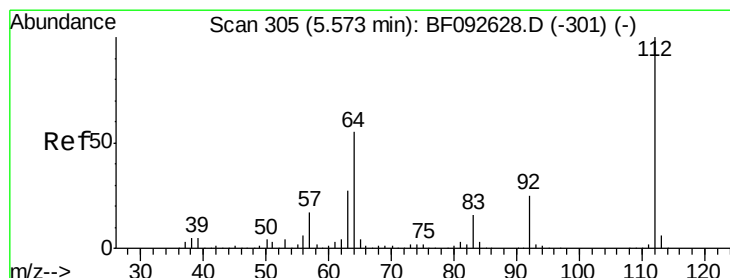
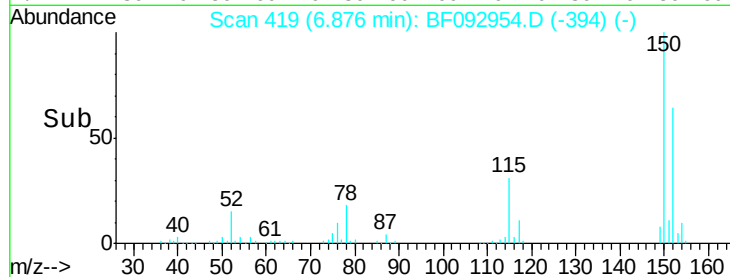
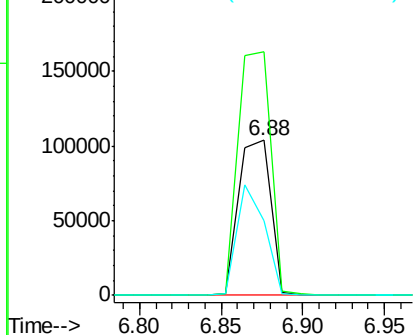
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.88 min Scan# 419  
 Delta R.T. -0.01 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96953BL

Tgt Ion:152 Resp: 141027  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 124.9 187.3  
 115 48.5 46.0 69.0



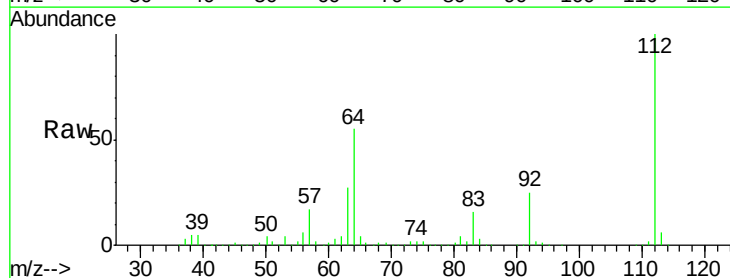
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



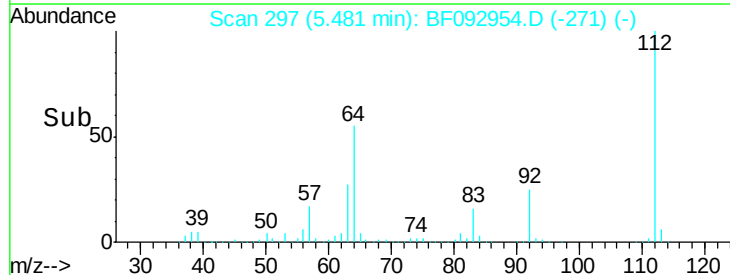
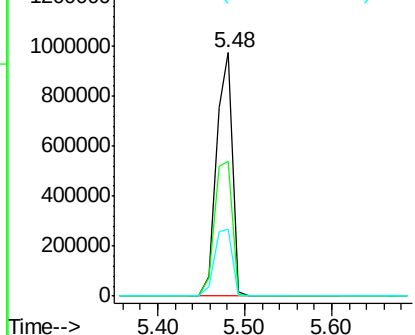
#5

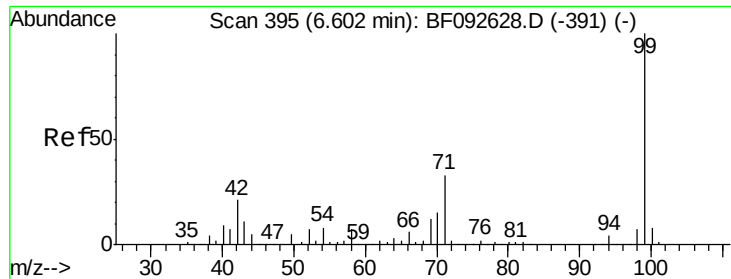
2-Fluorophenol  
 Concen: 153.19 ng  
 RT: 5.48 min Scan# 297  
 Delta R.T. -0.00 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

Tgt Ion:112 Resp: 1259274  
 Ion Ratio Lower Upper  
 112 100  
 64 55.2 46.1 69.1  
 63 27.3 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: 129.18 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092954.D

Acq: 15 Feb 2017 16:46

Instrument :

BNA\_F

ClientSampleId :

PB96953BL

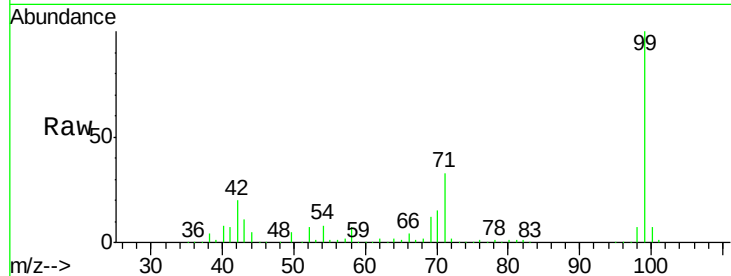
Tgt Ion: 99 Resp: 1366272

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

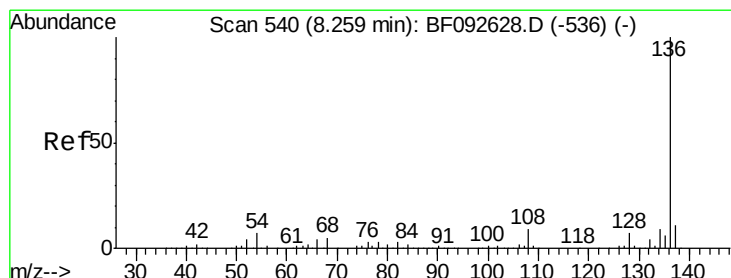
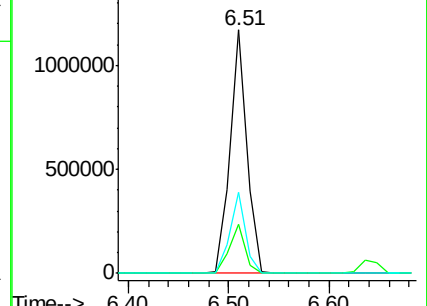
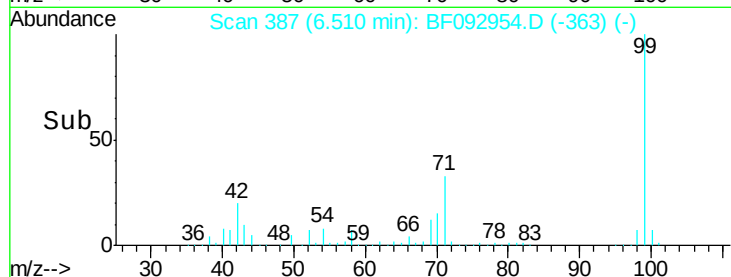
71 33.1 27.5 41.3



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: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF092954.D

Acq: 15 Feb 2017 16:46

Tgt Ion: 136 Resp: 615266

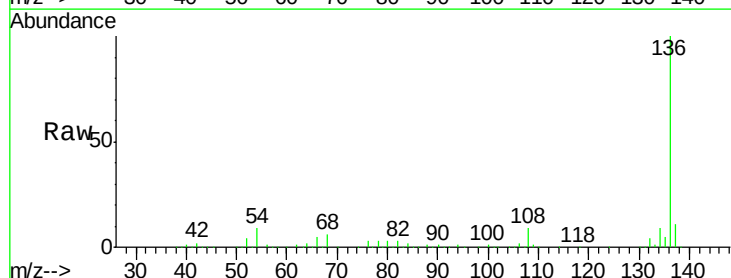
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 9.0 4.5 6.7#

68 6.3 3.6 5.4#

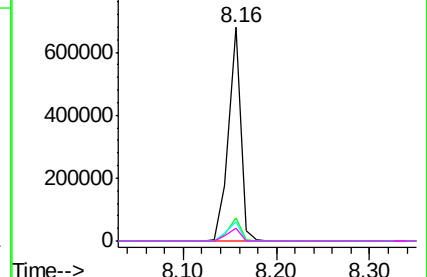
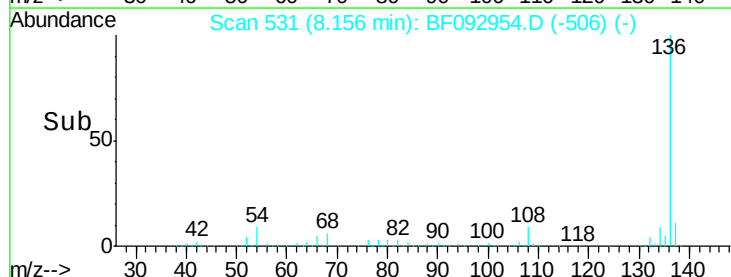


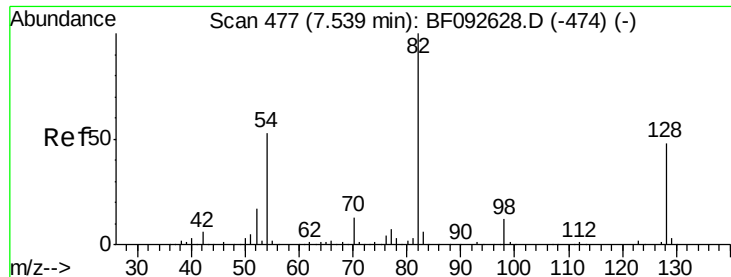
Abundance Ion 136.00 (135.70 to 136.70): E

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

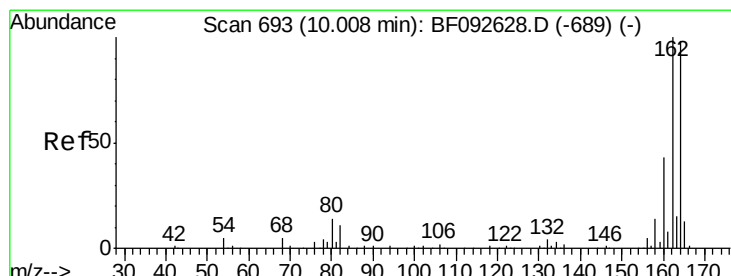
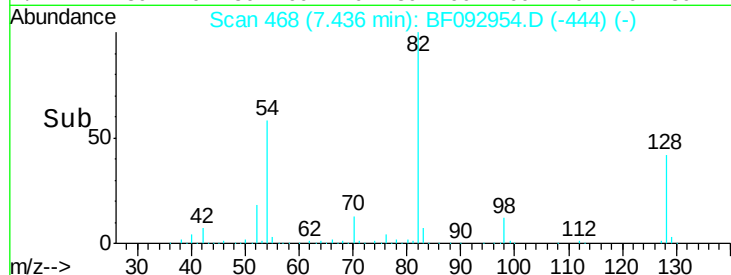
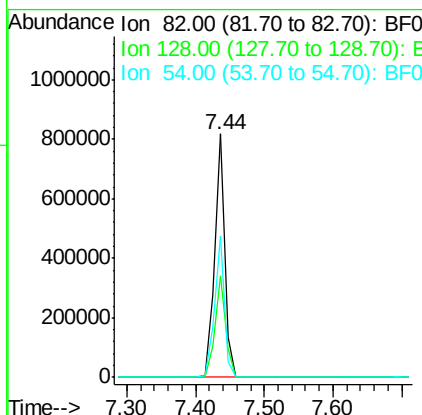
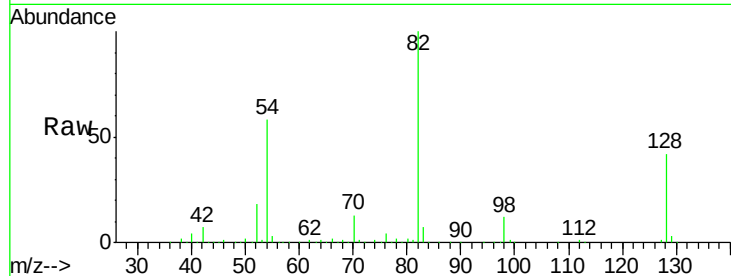




#23  
 Nitrobenzene-d5  
 Concen: 77.30 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.02 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

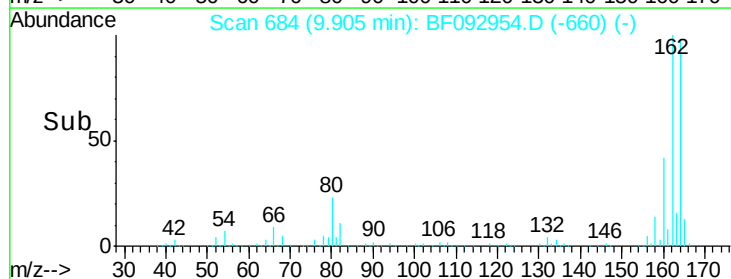
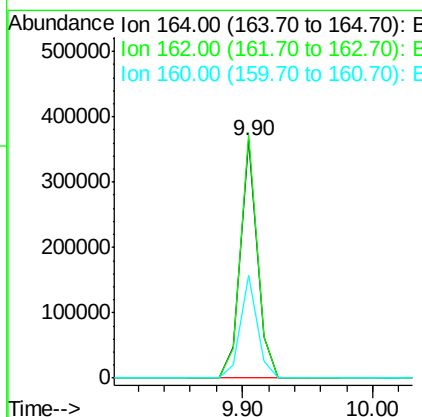
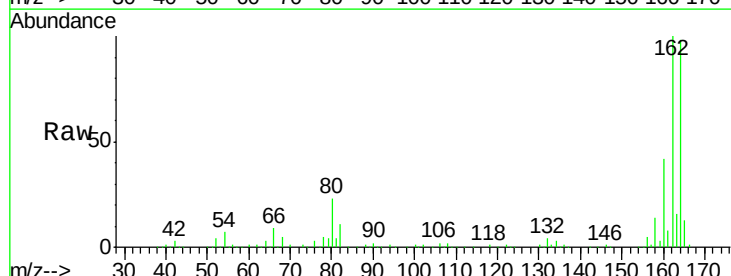
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96953BL

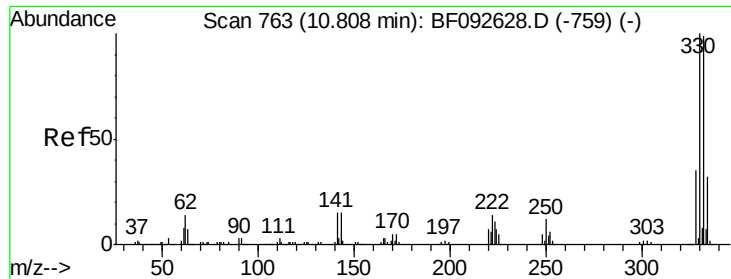
Tgt Ion: 82 Resp: 854063  
 Ion Ratio Lower Upper  
 82 100  
 128 41.5 34.6 52.0  
 54 58.0 39.5 59.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 684  
 Delta R.T. -0.02 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

Tgt Ion: 164 Resp: 328484  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 80.2 120.2  
 160 43.3 36.9 55.3

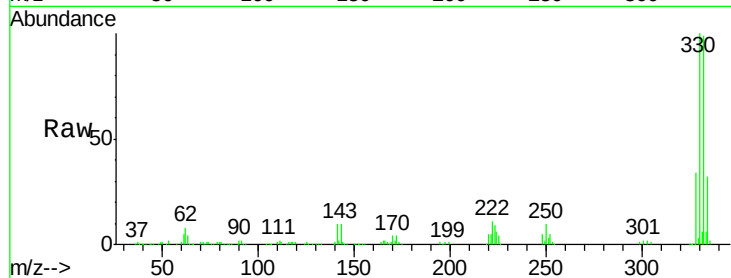




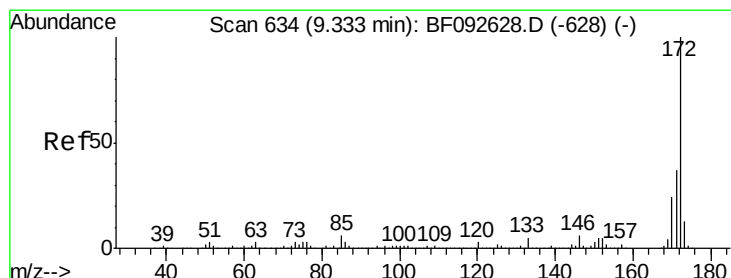
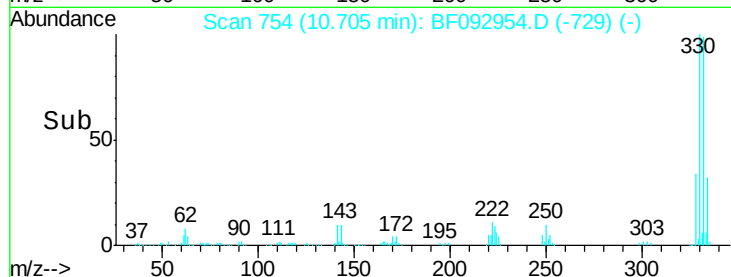
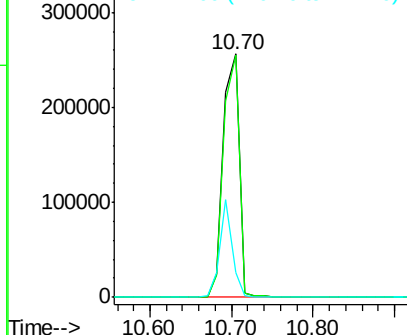
#41  
 2,4,6-Tribromophenol  
 Concen: 147.09 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96953BL

Tgt Ion:330 Resp: 349467  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.4 116.2  
 141 31.2 34.1 51.1#

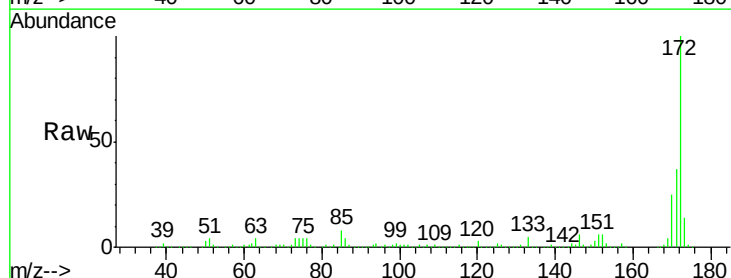


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

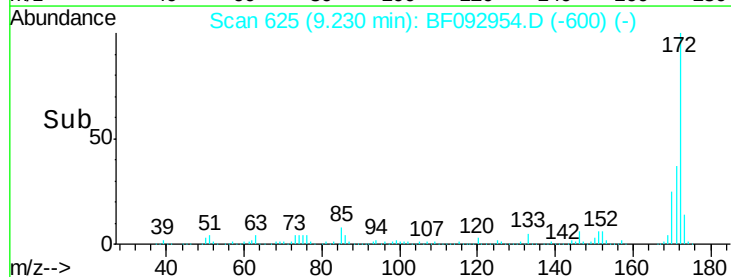
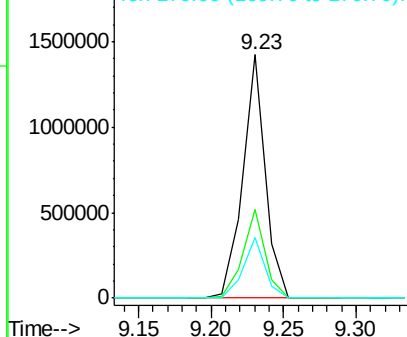


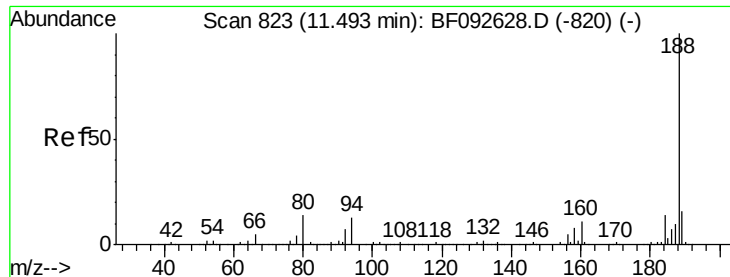
#44  
 2-Fluorobiphenyl  
 Concen: 84.36 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BF092954.D  
 Acq: 15 Feb 2017 16:46

Tgt Ion:172 Resp: 1529557  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.4 44.0  
 170 24.7 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

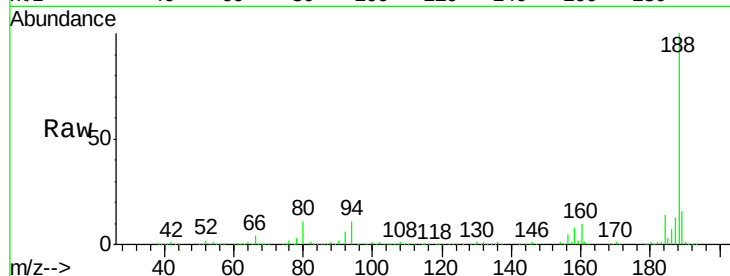




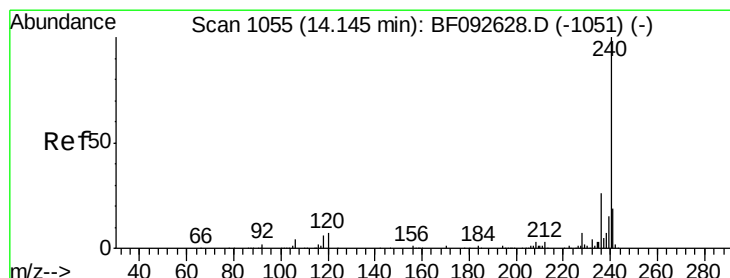
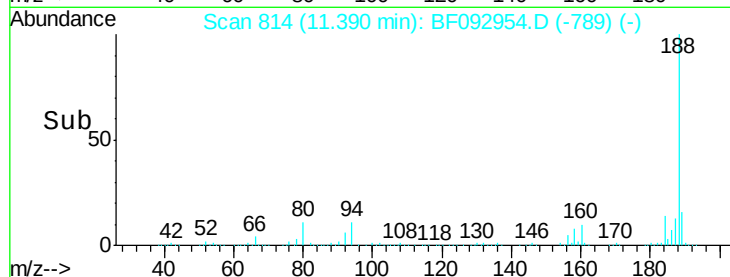
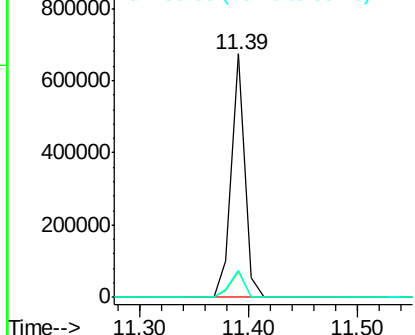
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF092954.D  
Acq: 15 Feb 2017 16:46

Instrument :  
BNA\_F  
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PB96953BL

Tgt Ion:188 Resp: 576163  
Ion Ratio Lower Upper  
188 100  
94 10.6 10.0 15.0  
80 11.1 11.2 16.8#

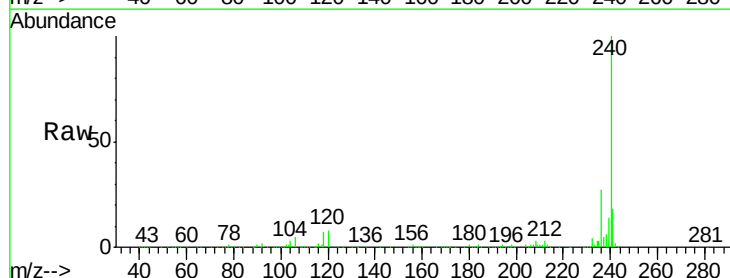


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

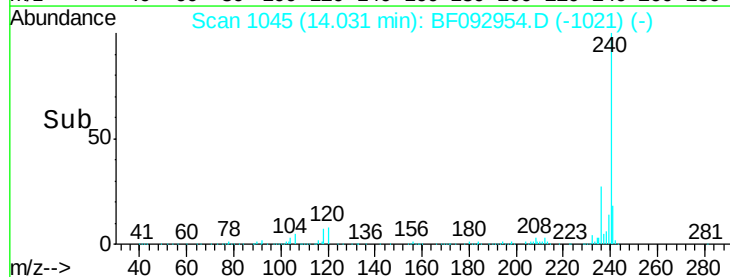
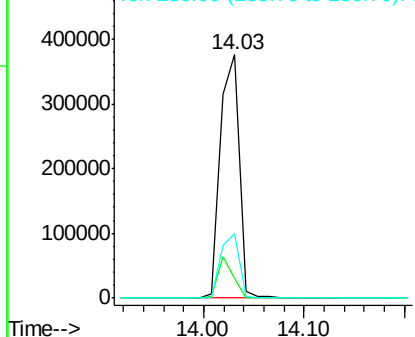


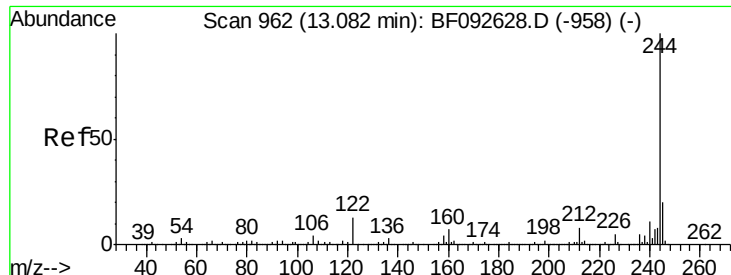
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.03 min Scan# 1045  
Delta R.T. -0.02 min  
Lab File: BF092954.D  
Acq: 15 Feb 2017 16:46

Tgt Ion:240 Resp: 489739  
Ion Ratio Lower Upper  
240 100  
120 8.3 12.9 19.3#  
236 26.6 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: 69.25 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092954.D

Acq: 15 Feb 2017 16:46

Instrument :

BNA\_F

ClientSampleId :

PB96953BL

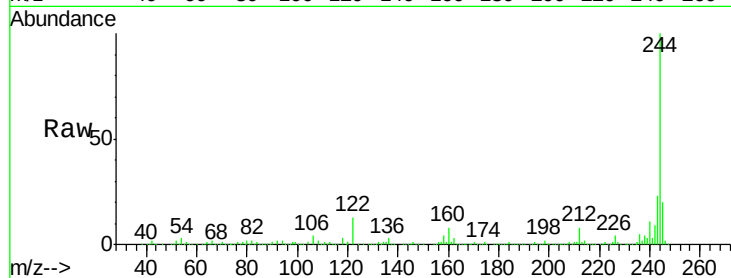
Tgt Ion:244 Resp: 1443395

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

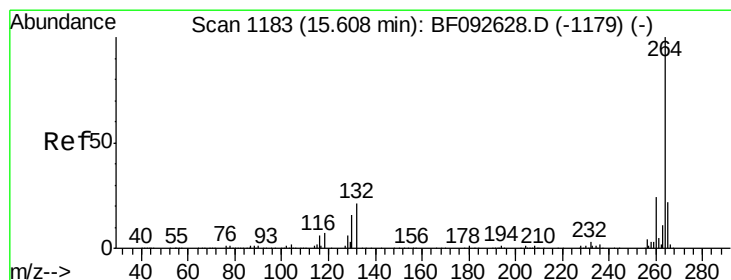
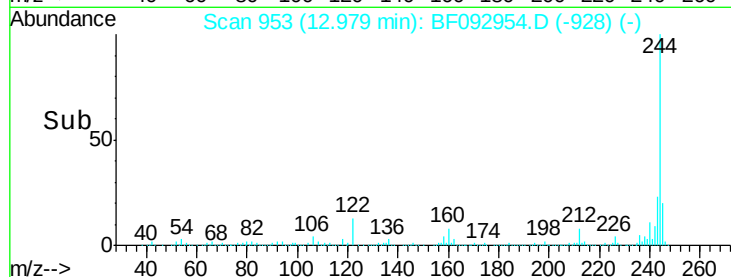
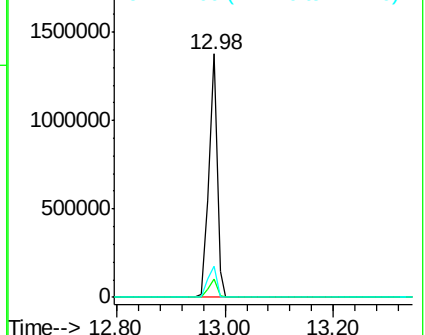
122 12.8 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF092954.D

Acq: 15 Feb 2017 16:46

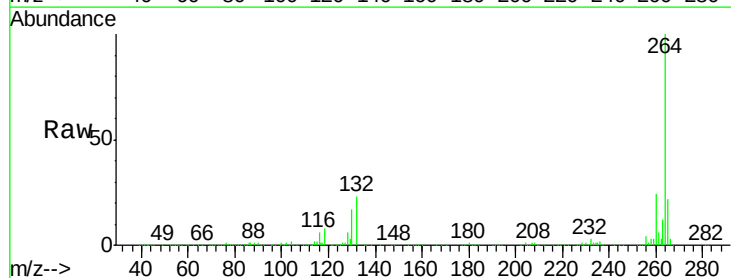
Tgt Ion:264 Resp: 430101

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.9 17.4 26.0



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

