

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061217\  
 Data File : BF095875.D  
 Acq On : 12 Jun 2017 16:51  
 Operator : SJ/MA  
 Sample : PB99685BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99685BL

Quant Time: Jun 13 05:54:08 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 64918    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 9.38  | 136  | 265120   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 12.20 | 164  | 127992   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10        | 14.60 | 188  | 247516   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 18.32 | 240  | 203977   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 19.99 | 264  | 129029   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 553718   | 135.91 | ng    | -0.04    |
| 7) Phenol-d6                | 6.91  | 99   | 666013   | 136.55 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 8.27  | 82   | 378343   | 88.63  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 13.50 | 330  | 130313   | 115.07 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 11.16 | 172  | 782484   | 85.07  | ng    | -0.05    |
| 78) Terphenyl-d14           | 16.97 | 244  | 718546   | 87.42  | ng    | -0.04    |

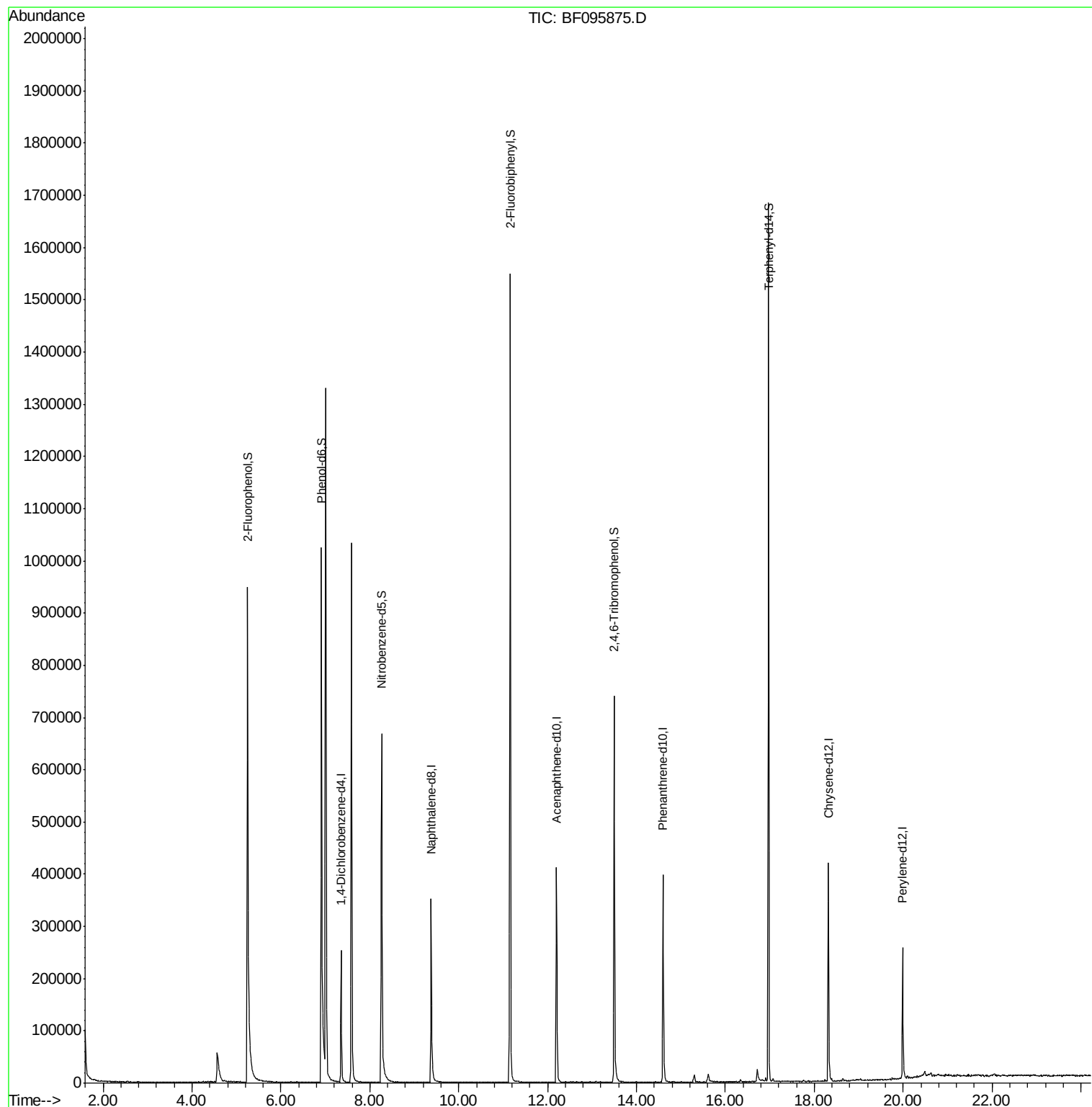
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

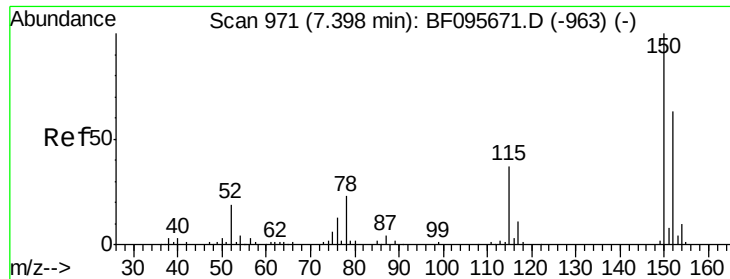
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061217\  
Data File : BF095875.D  
Acq On : 12 Jun 2017 16:51  
Operator : SJ/MA  
Sample : PB99685BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB99685BL

Quant Time: Jun 13 05:54:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 05 16:15:31 2017  
Response via : Initial Calibration



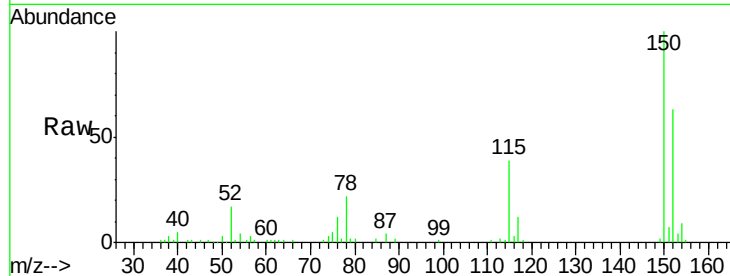


#1

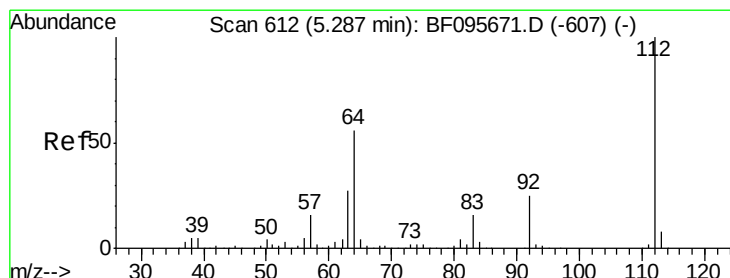
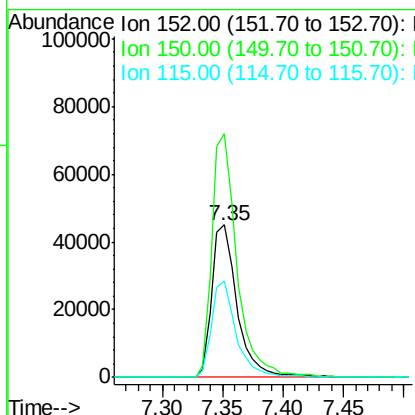
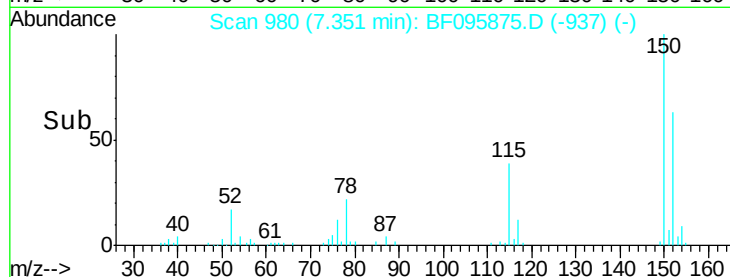
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.35 min Scan# 980  
Delta R.T. -0.05 min  
Lab File: BF095875.D  
Acq: 12 Jun 2017 16:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB99685BL

Tgt Ion:152 Resp: 64918  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.2 189.2  
115 63.1 52.2 78.2



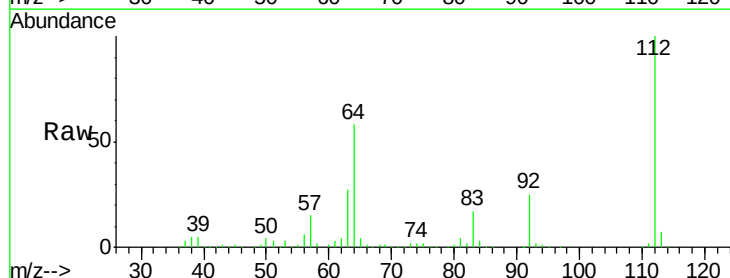
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



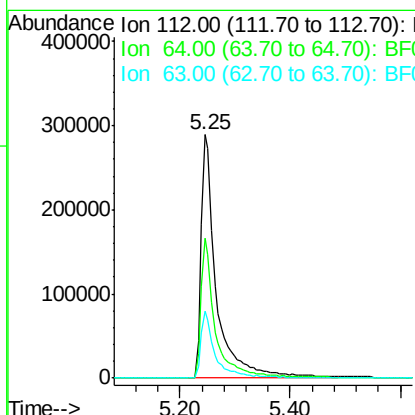
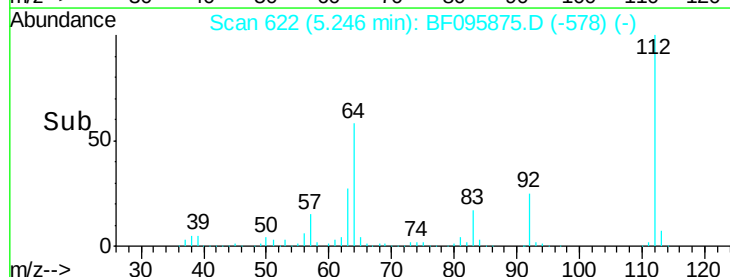
#5

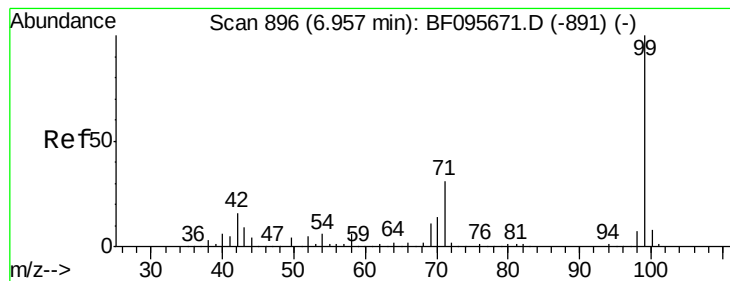
2-Fluorophenol  
Concen: 135.913 ng  
RT: 5.25 min Scan# 622  
Delta R.T. -0.04 min  
Lab File: BF095875.D  
Acq: 12 Jun 2017 16:51

Tgt Ion:112 Resp: 553718  
Ion Ratio Lower Upper  
112 100  
64 57.6 46.0 69.0  
63 27.3 23.4 35.0



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





#7

Phenol-d6

Concen: 136.553 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

Instrument :

BNA\_F

ClientSampled :

PB99685BL

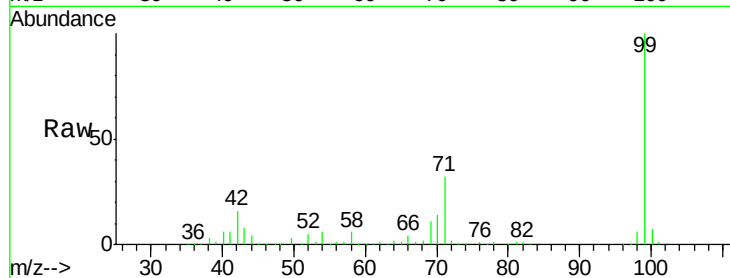
Tgt Ion: 99 Resp: 666013

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

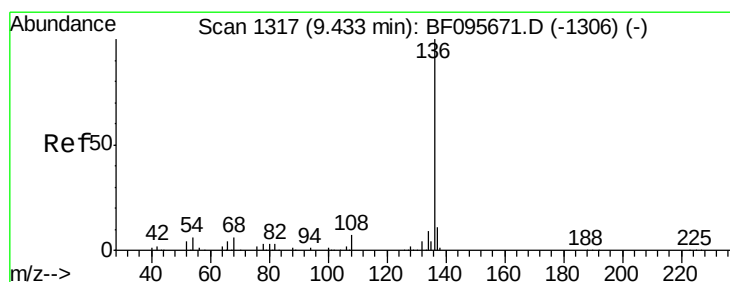
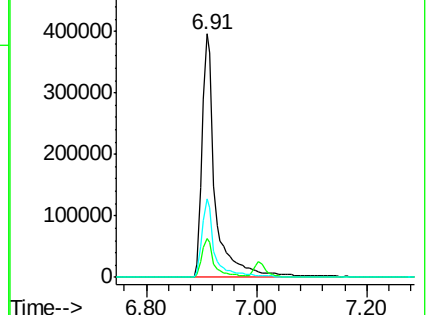
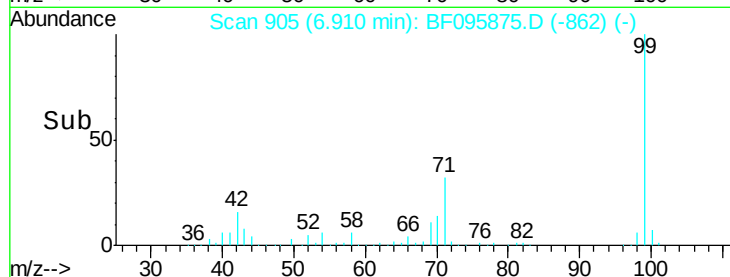
71 32.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

Tgt Ion: 136 Resp: 265120

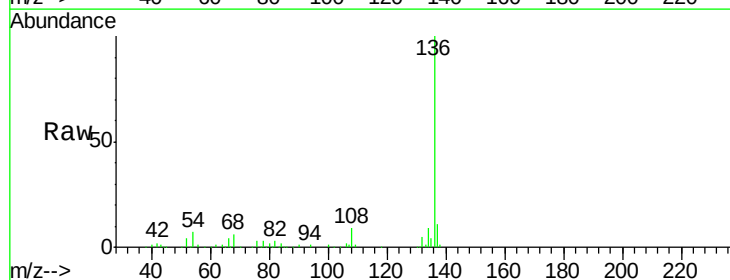
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.0 4.9 7.3

68 5.8 4.1 6.1

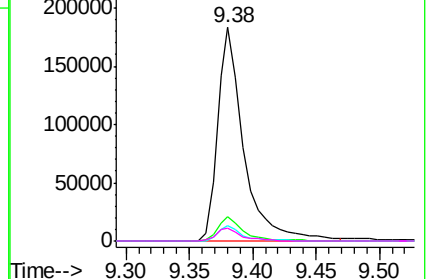
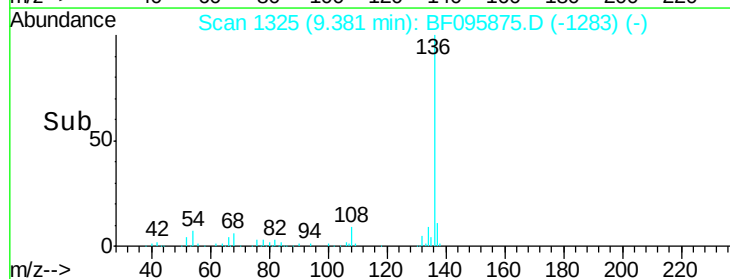


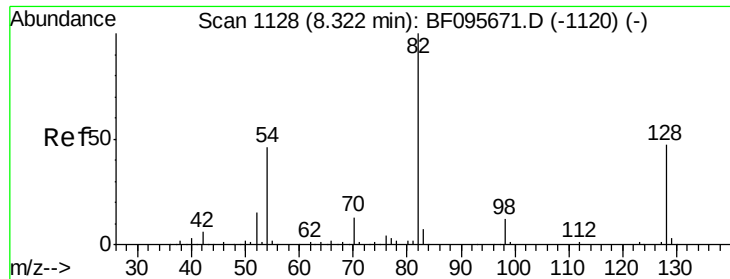
Abundance Ion 136.00 (135.70 to 136.70): E

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

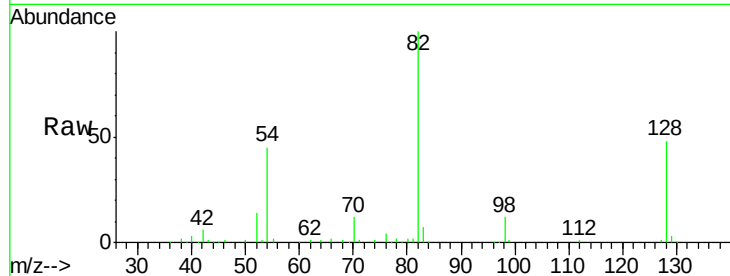




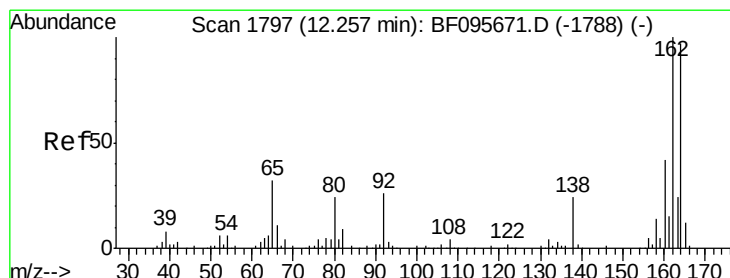
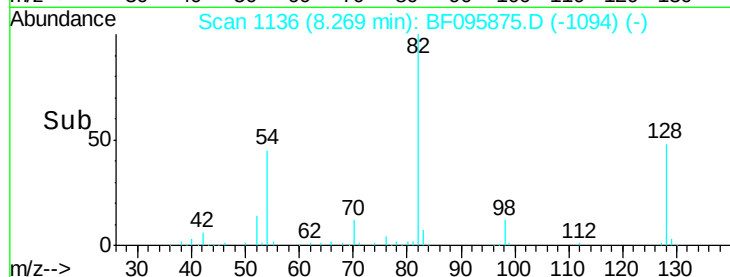
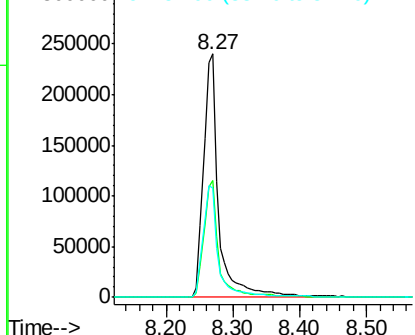
#23  
 Nitrobenzene-d5  
 Concen: 88.627 ng  
 RT: 8.27 min Scan# 1136  
 Delta R.T. -0.05 min  
 Lab File: BF095875.D  
 Acq: 12 Jun 2017 16:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99685BL

Tgt Ion: 82 Resp: 378343  
 Ion Ratio Lower Upper  
 82 100  
 128 48.1 34.0 51.0  
 54 45.1 42.2 63.2

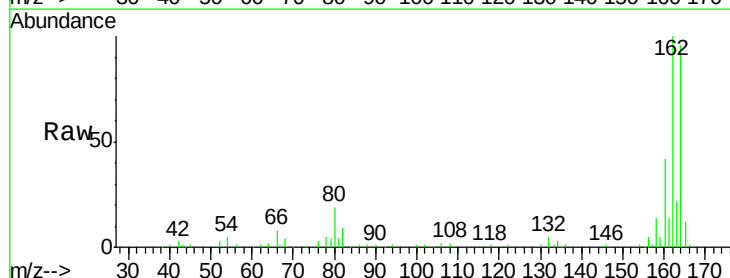


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

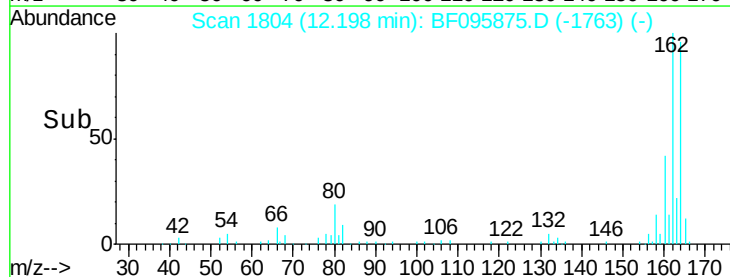
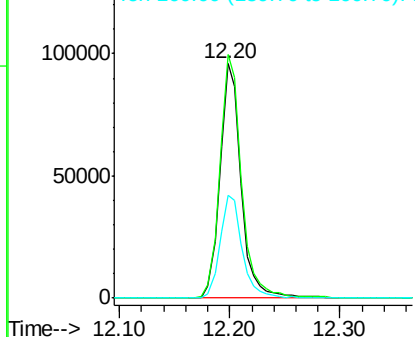


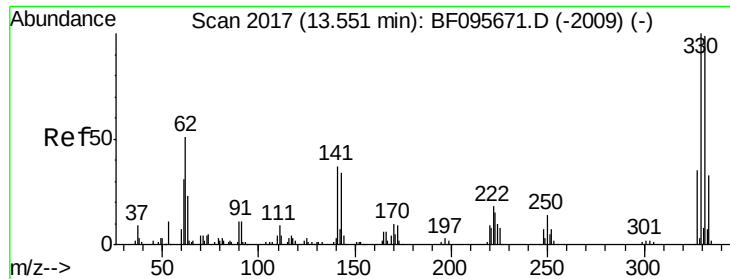
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 12.20 min Scan# 1804  
 Delta R.T. -0.06 min  
 Lab File: BF095875.D  
 Acq: 12 Jun 2017 16:51

Tgt Ion: 164 Resp: 127992  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 82.6 123.8  
 160 44.0 36.2 54.2



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

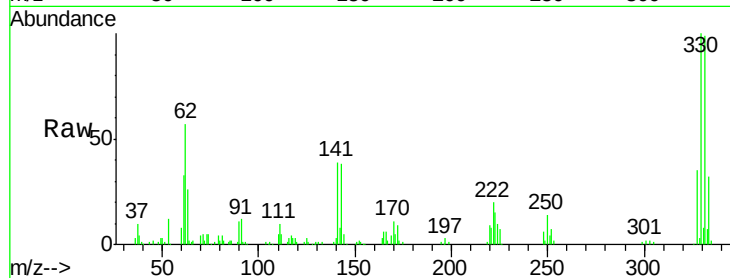




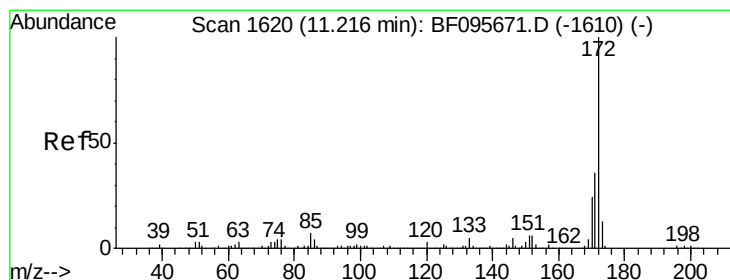
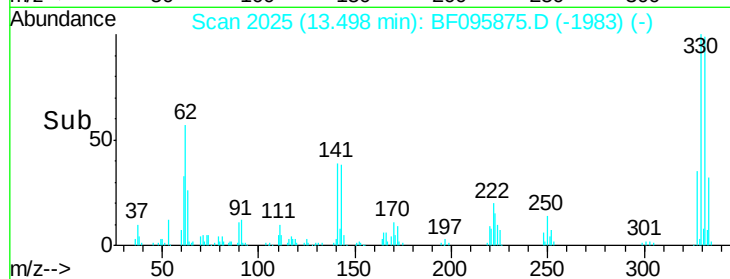
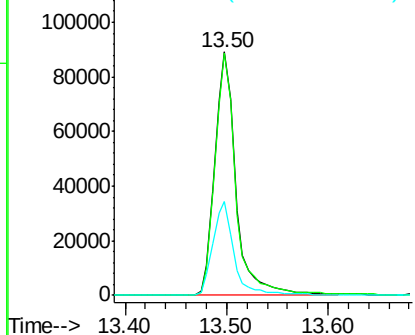
#41  
 2,4,6-Tribromophenol  
 Concen: 115.074 ng  
 RT: 13.50 min Scan# 2025  
 Delta R.T. -0.05 min  
 Lab File: BF095875.D  
 Acq: 12 Jun 2017 16:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB99685BL

Tgt Ion:330 Resp: 130313  
 Ion Ratio Lower Upper  
 330 100  
 332 98.6 76.6 115.0  
 141 38.4 31.4 47.2

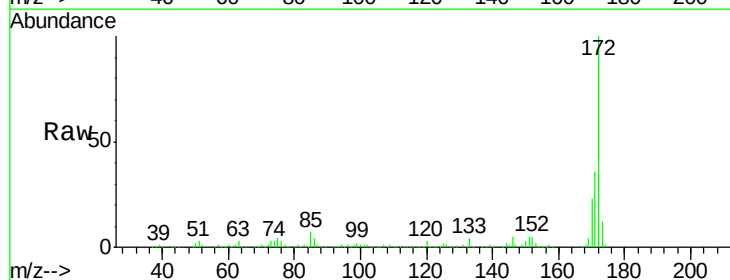


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

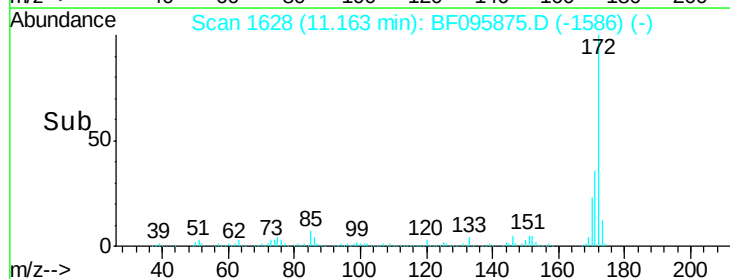
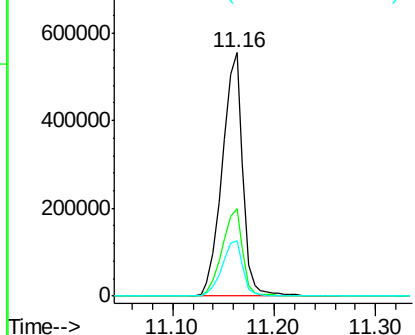


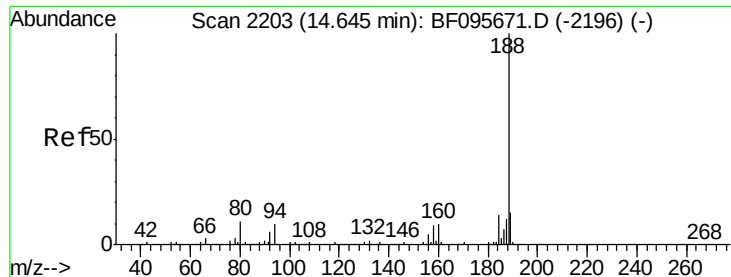
#44  
 2-Fluorobiphenyl  
 Concen: 85.074 ng  
 RT: 11.16 min Scan# 1628  
 Delta R.T. -0.05 min  
 Lab File: BF095875.D  
 Acq: 12 Jun 2017 16:51

Tgt Ion:172 Resp: 782484  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.6 44.4  
 170 22.6 19.8 29.8



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: 20.000 ng

RT: 14.60 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

Instrument :

BNA\_F

ClientSampleId :

PB99685BL

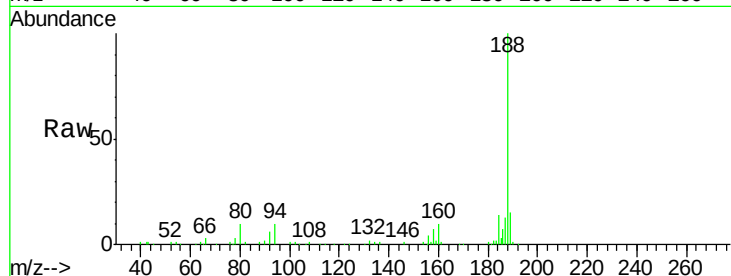
Tgt Ion:188 Resp: 247516

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

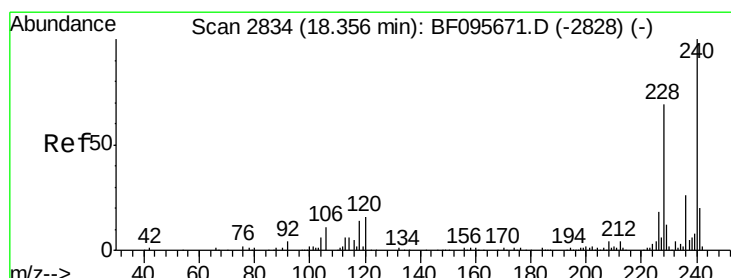
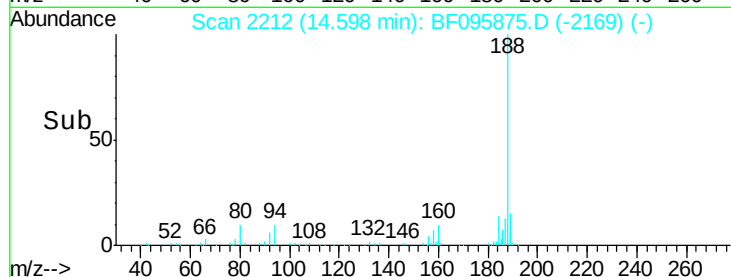
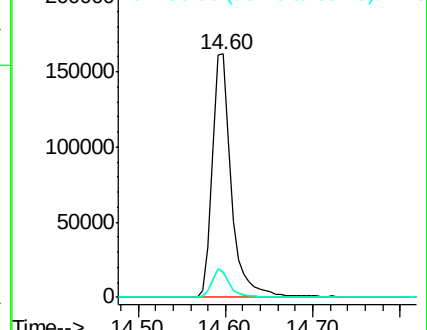
80 10.5 10.2 15.2



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: 20.000 ng

RT: 18.32 min Scan# 2844

Delta R.T. -0.04 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

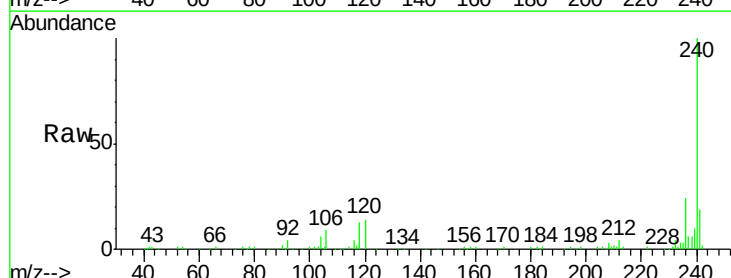
Tgt Ion:240 Resp: 203977

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

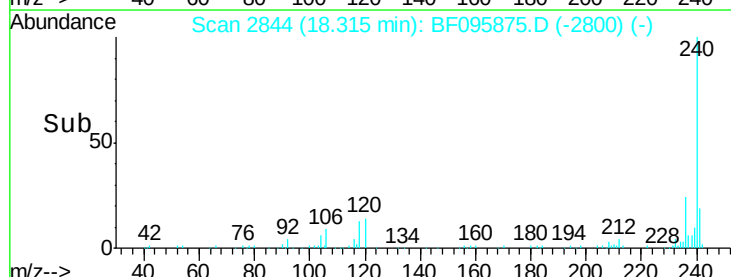
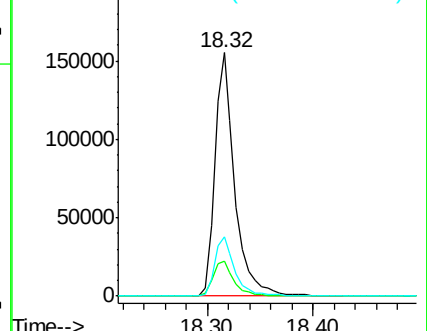
236 24.5 20.5 30.7

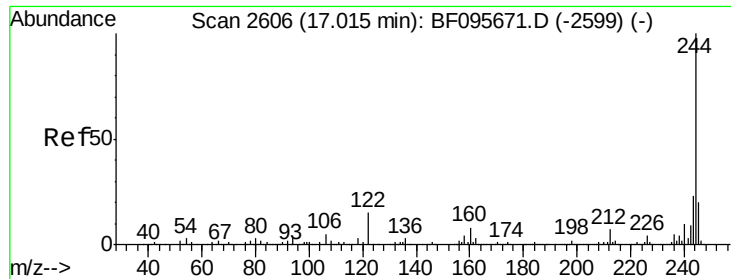


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.424 ng

RT: 16.97 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

Instrument :

BNA\_F

ClientSampleId :

PB99685BL

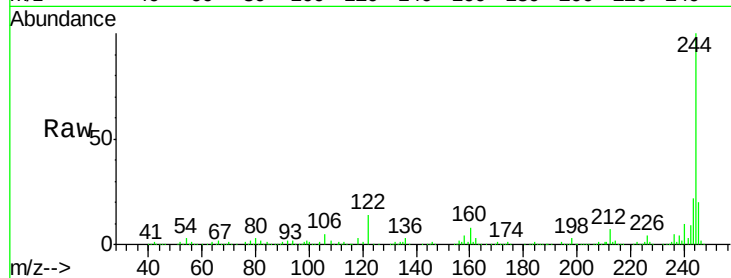
Tgt Ion:244 Resp: 718546

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

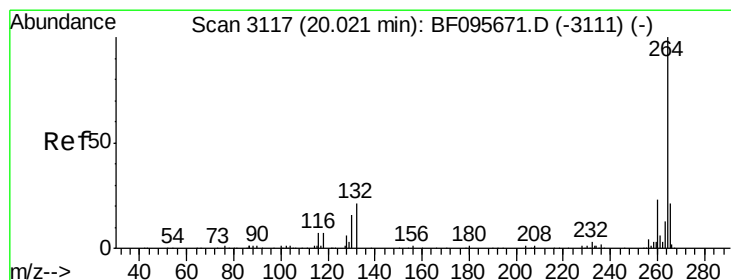
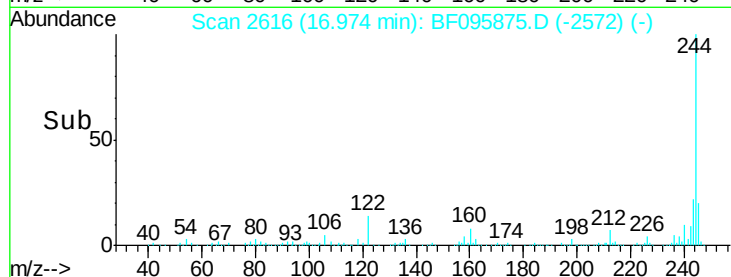
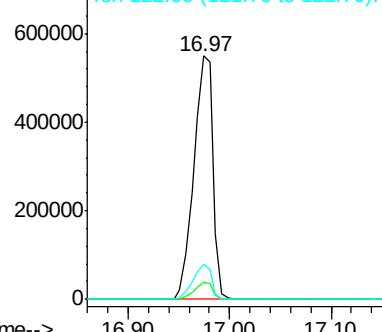
122 14.4 10.3 15.5



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: 20.000 ng

RT: 19.99 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BF095875.D

Acq: 12 Jun 2017 16:51

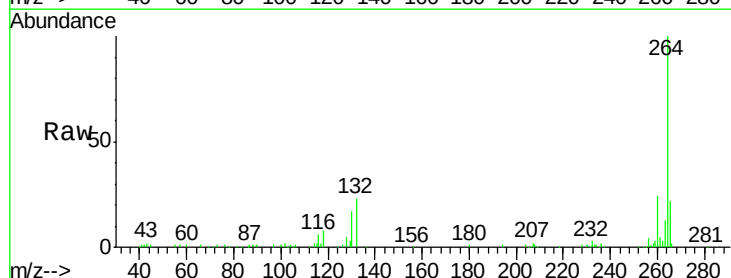
Tgt Ion:264 Resp: 129029

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.9 17.2 25.8



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

