

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\  
 Data File : BF084545.D  
 Acq On : 19 Jan 2016 11:00  
 Operator : SJ/UM  
 Sample : PB87733TB  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87733TB

Quant Time: Jan 19 17:24:49 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 19 17:05:27 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 242150   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 964851   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.84  | 164  | 484981   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.31 | 188  | 850866   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.95 | 240  | 842139   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.36 | 264  | 594531   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 1219603  | 81.46  | ng    | 0.01     |
| 7) Phenol-d6                | 6.44  | 99   | 2125052  | 113.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1142883  | 65.92  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 550205   | 112.37 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 2252497  | 81.44  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.91 | 244  | 2332345  | 61.82  | ng    | 0.00     |

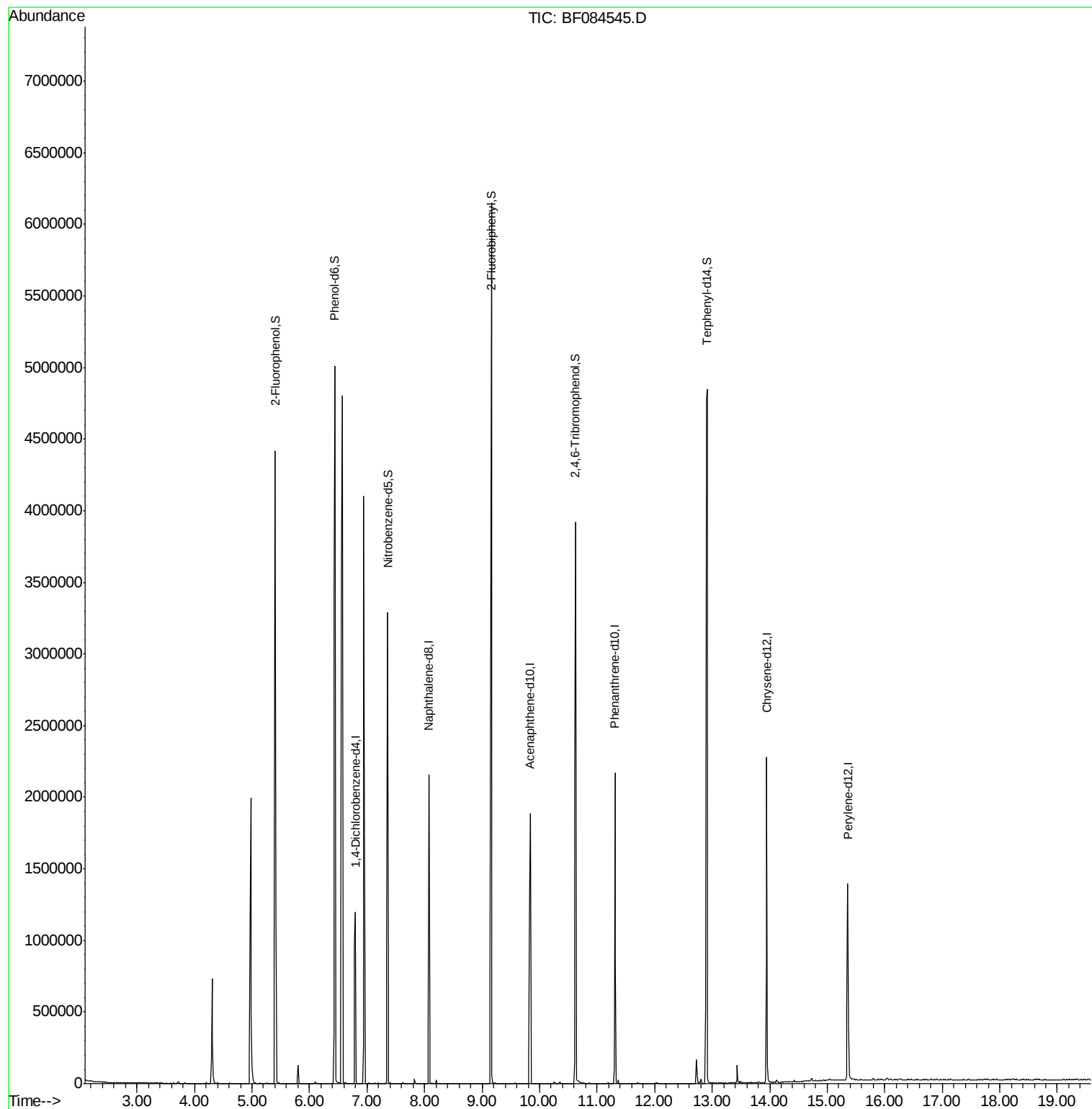
Target Compounds Qvalue

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

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Quant Time: Jan 19 17:24:49 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 19 17:05:27 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA\_F

ClientSampleId :

PB87733TB

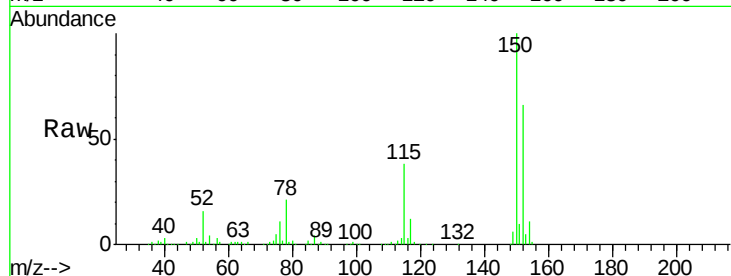
Tot Ion:152 Resp: 242150

Ion Ratio Lower Upper

152 100

150 152.4 123.0 184.4

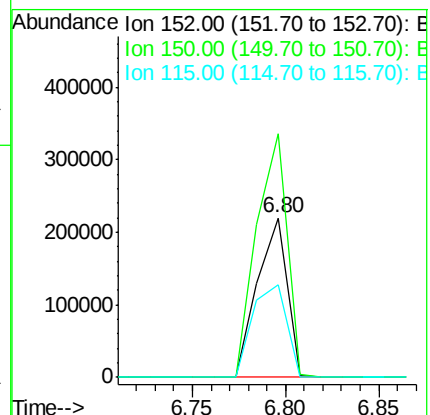
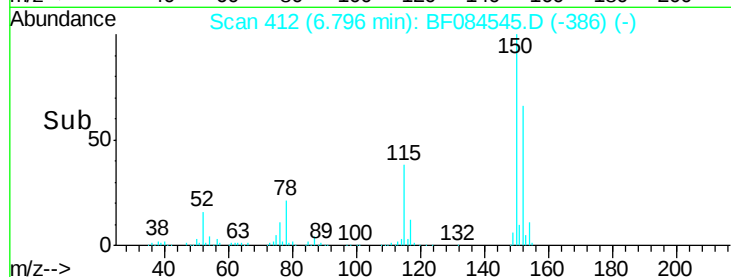
115 57.8 51.4 77.2



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: 81.46 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

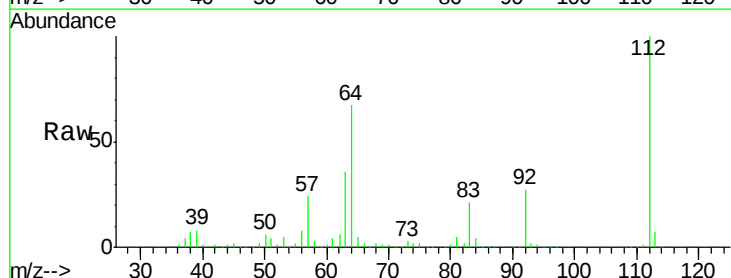
Tgt Ion:112 Resp: 1219603

Ion Ratio Lower Upper

112 100

64 67.2 36.6 55.0#

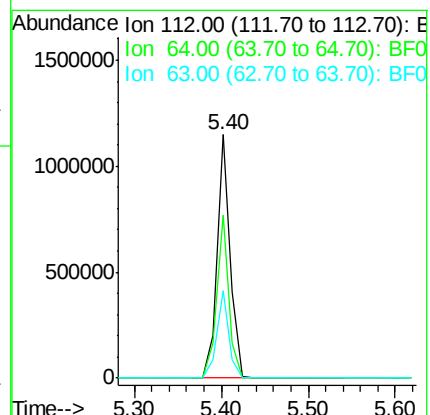
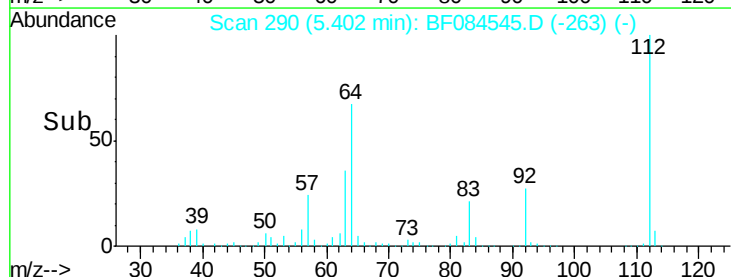
63 36.1 19.4 29.0#



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: 113.02 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Instrument :

BNA\_F

ClientSampleId :

PB87733TB

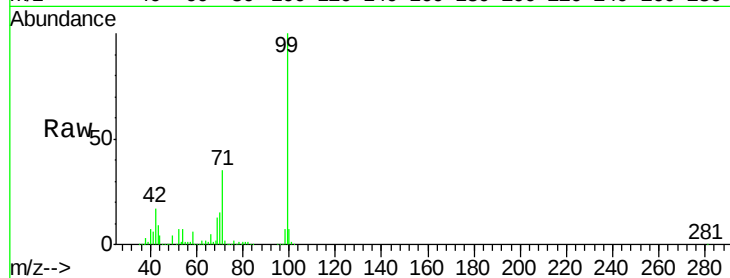
Tot Ion: 99 Resp: 2125052

Ion Ratio Lower Upper

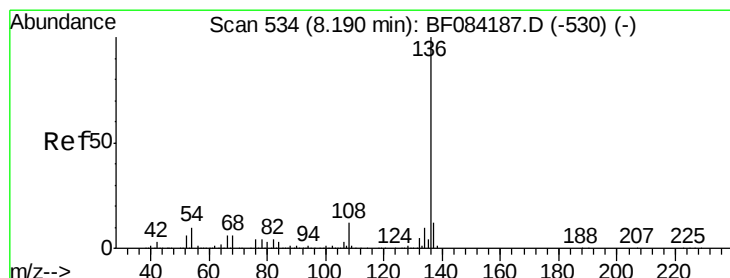
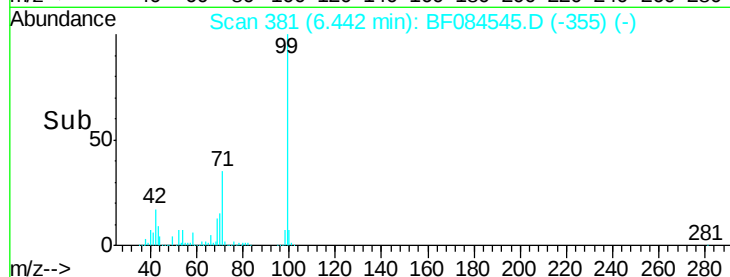
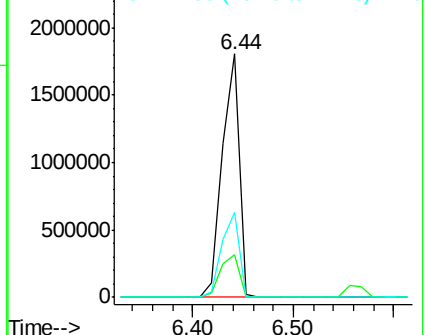
99 100

42 17.5 12.8 19.2

71 35.1 30.9 46.3



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: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF084545.D

Acq: 19 Jan 2016 11:00

Tgt Ion: 136 Resp: 964851

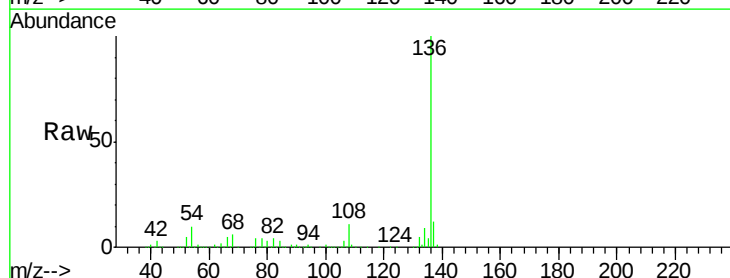
Ion Ratio Lower Upper

136 100

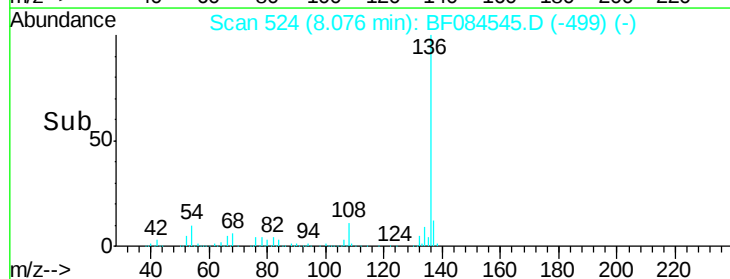
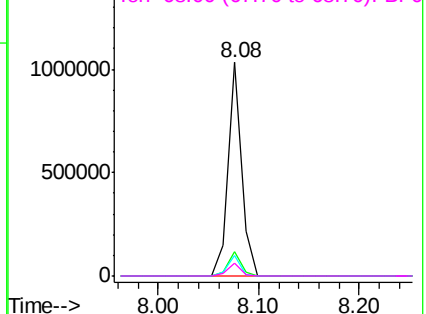
137 11.6 8.7 13.1

54 9.8 5.8 8.8#

68 5.8 4.2 6.2



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

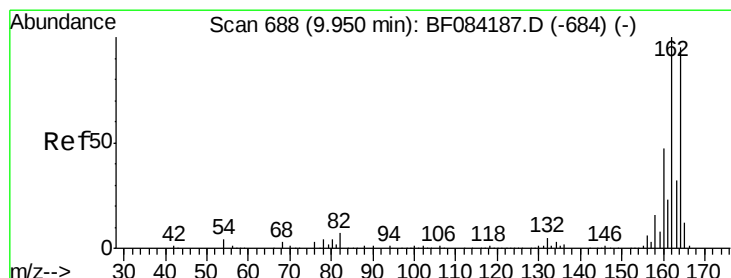
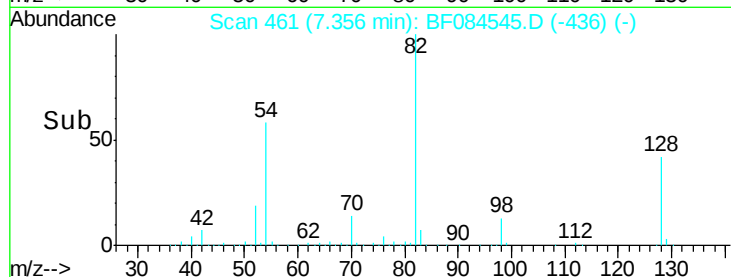
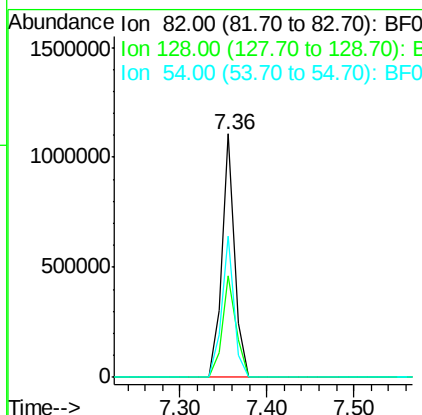
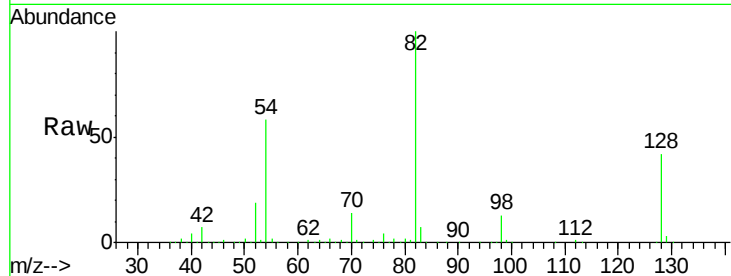




#23  
Nitrobenzene-d5  
Concen: 65.92 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF084545.D  
Acq: 19 Jan 2016 11:00

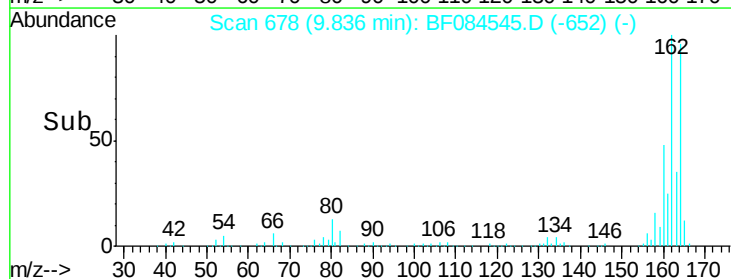
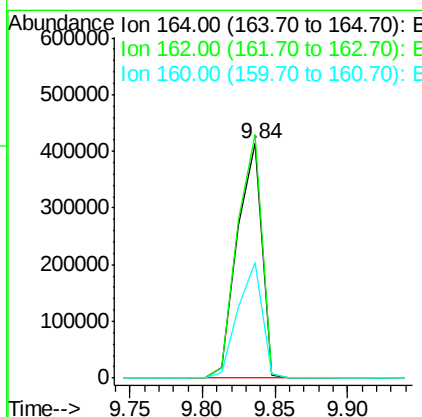
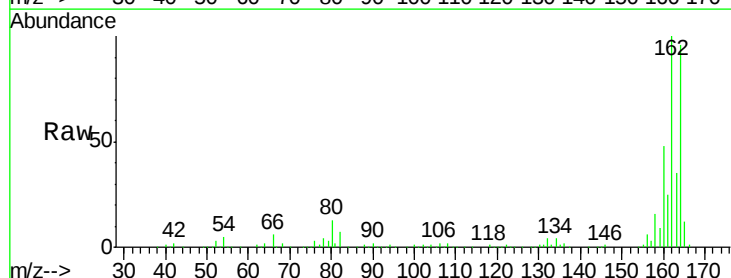
Instrument :  
BNA\_F  
ClientSampleId :  
PB87733TB

Tot Ion: 82 Resp: 1142883  
Ion Ratio Lower Upper  
82 100  
128 41.7 34.6 51.8  
54 57.8 38.4 57.6#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.84 min Scan# 678  
Delta R.T. 0.00 min  
Lab File: BF084545.D  
Acq: 19 Jan 2016 11:00

Tgt Ion:164 Resp: 484981  
Ion Ratio Lower Upper  
164 100  
162 103.8 85.1 127.7  
160 49.4 37.5 56.3

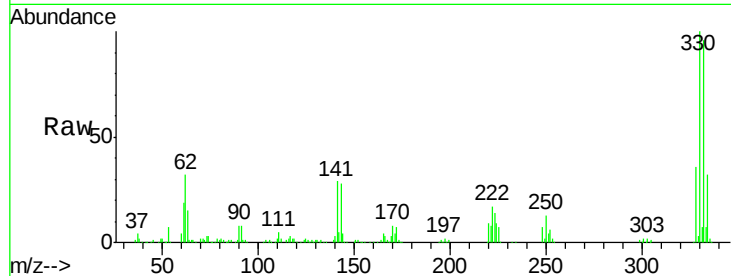




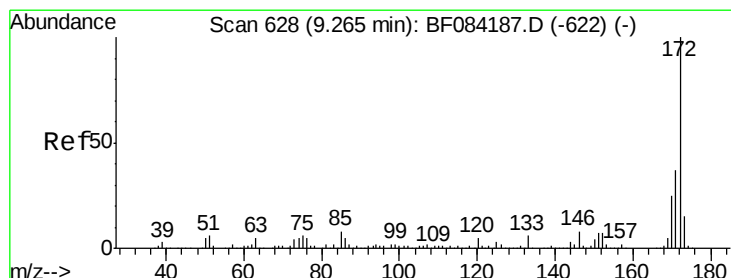
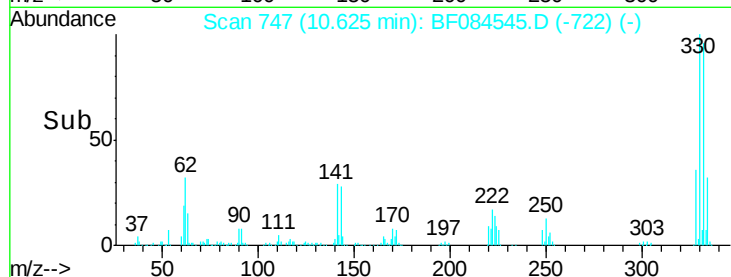
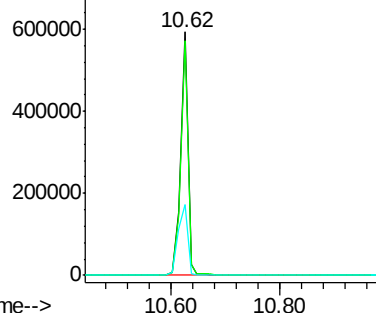
#41  
 2,4,6-Tribromophenol  
 Concen: 112.37 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF084545.D  
 Acq: 19 Jan 2016 11:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87733TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 76.6  | 114.8 |
| 141     | 37.4  | 27.8  | 41.6  |

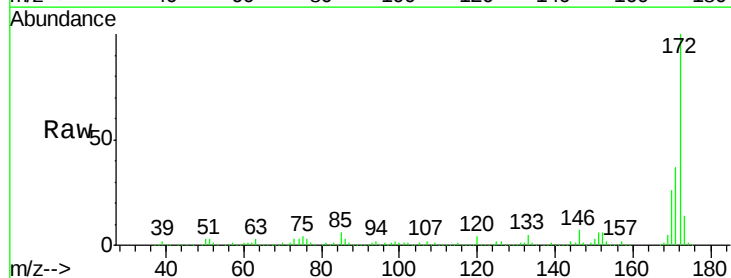


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

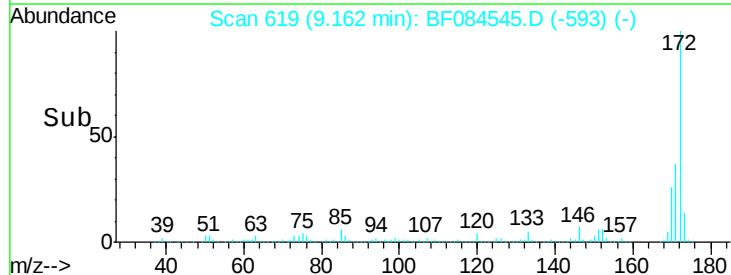
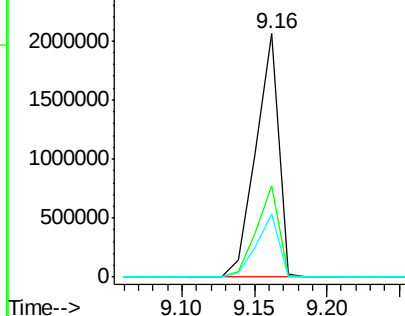


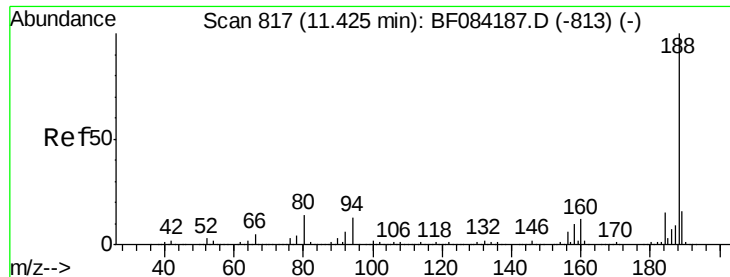
#44  
 2-Fluorobiphenyl  
 Concen: 81.44 ng  
 RT: 9.16 min Scan# 619  
 Delta R.T. 0.00 min  
 Lab File: BF084545.D  
 Acq: 19 Jan 2016 11:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 28.9  | 43.3  |
| 170     | 26.0  | 18.6  | 27.8  |



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

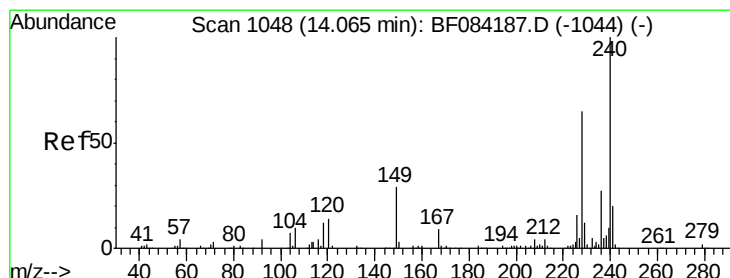
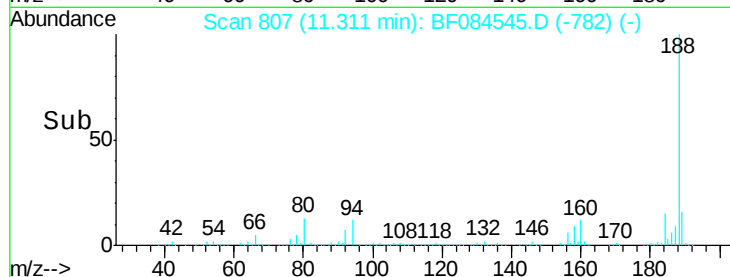
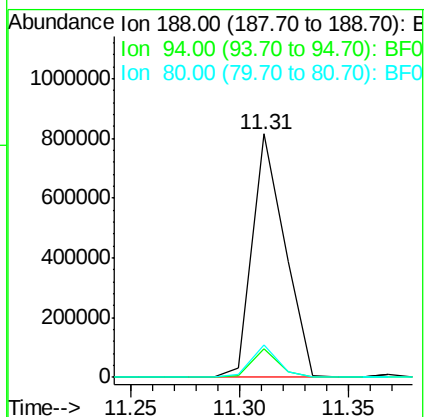
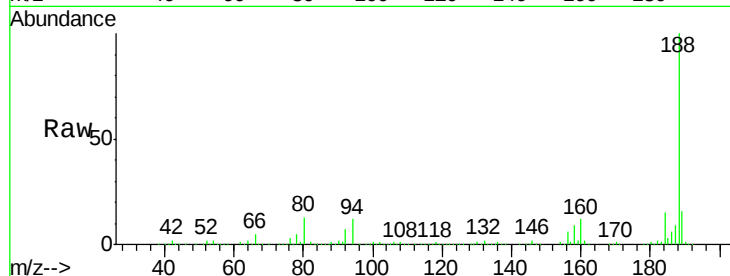




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.31 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF084545.D  
Acq: 19 Jan 2016 11:00

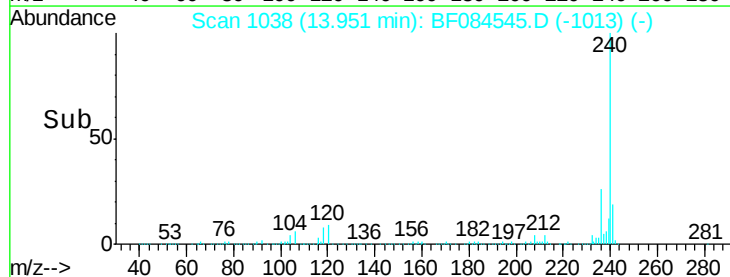
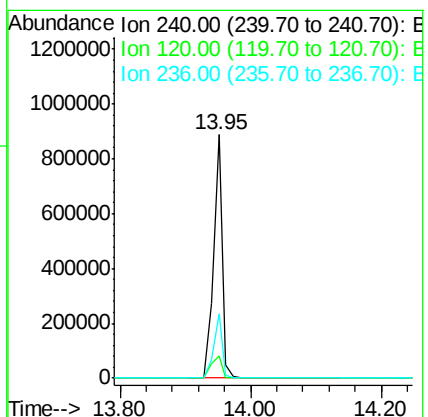
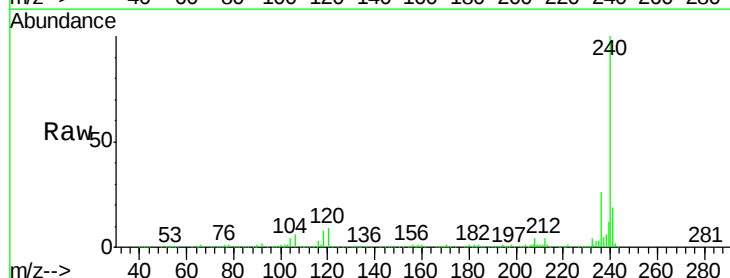
Instrument :  
BNA\_F  
ClientSampled :  
PB87733TB

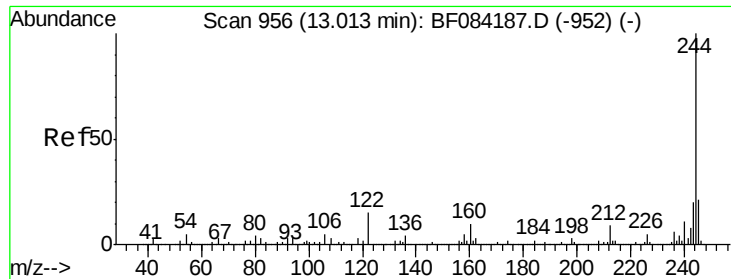
Tot Ion:188 Resp: 850866  
Ion Ratio Lower Upper  
188 100  
94 11.8 9.0 13.4  
80 13.2 9.6 14.4



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF084545.D  
Acq: 19 Jan 2016 11:00

Tgt Ion:240 Resp: 842139  
Ion Ratio Lower Upper  
240 100  
120 9.3 9.5 14.3#  
236 26.3 20.6 31.0

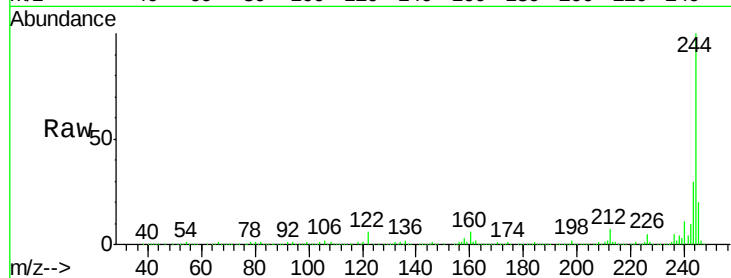




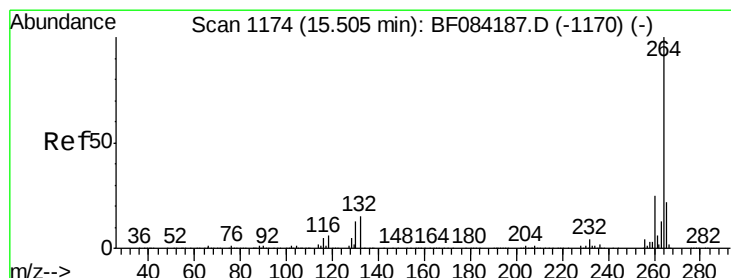
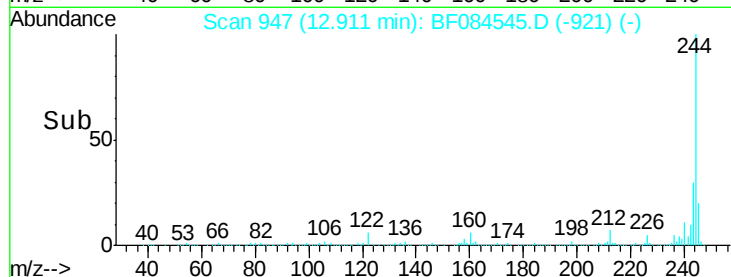
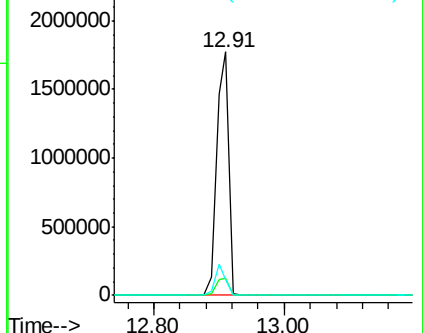
#78  
 Terphenyl-d14  
 Concen: 61.82 ng  
 RT: 12.91 min Scan# 947  
 Delta R.T. 0.00 min  
 Lab File: BF084545.D  
 Acq: 19 Jan 2016 11:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87733TB

Tot Ion:244 Resp: 2332345  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.7 8.5  
 122 6.3 7.4 11.0#

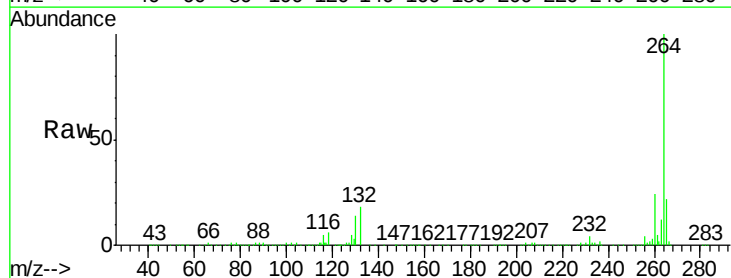


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.36 min Scan# 1161  
 Delta R.T. -0.01 min  
 Lab File: BF084545.D  
 Acq: 19 Jan 2016 11:00

Tgt Ion:264 Resp: 594531  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 22.4 17.8 26.6



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

