

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122816\  
 Data File : BF092007.D  
 Acq On : 28 Dec 2016 21:10  
 Operator : UM/SJ  
 Sample : H6281-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 207TH-ST-FB-1-122216

Quant Time: Dec 29 02:20:37 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 17:32:10 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 215682   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 724079   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 217174   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.22 | 188  | 347165   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.86 | 240  | 289061   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.24 | 264  | 385973   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 824182   | 63.81  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 622907   | 39.50  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 1389691  | 106.72 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 267307   | 148.73 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 2080578  | 216.20 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.82 | 244  | 1389194  | 116.56 | ng    | 0.00     |

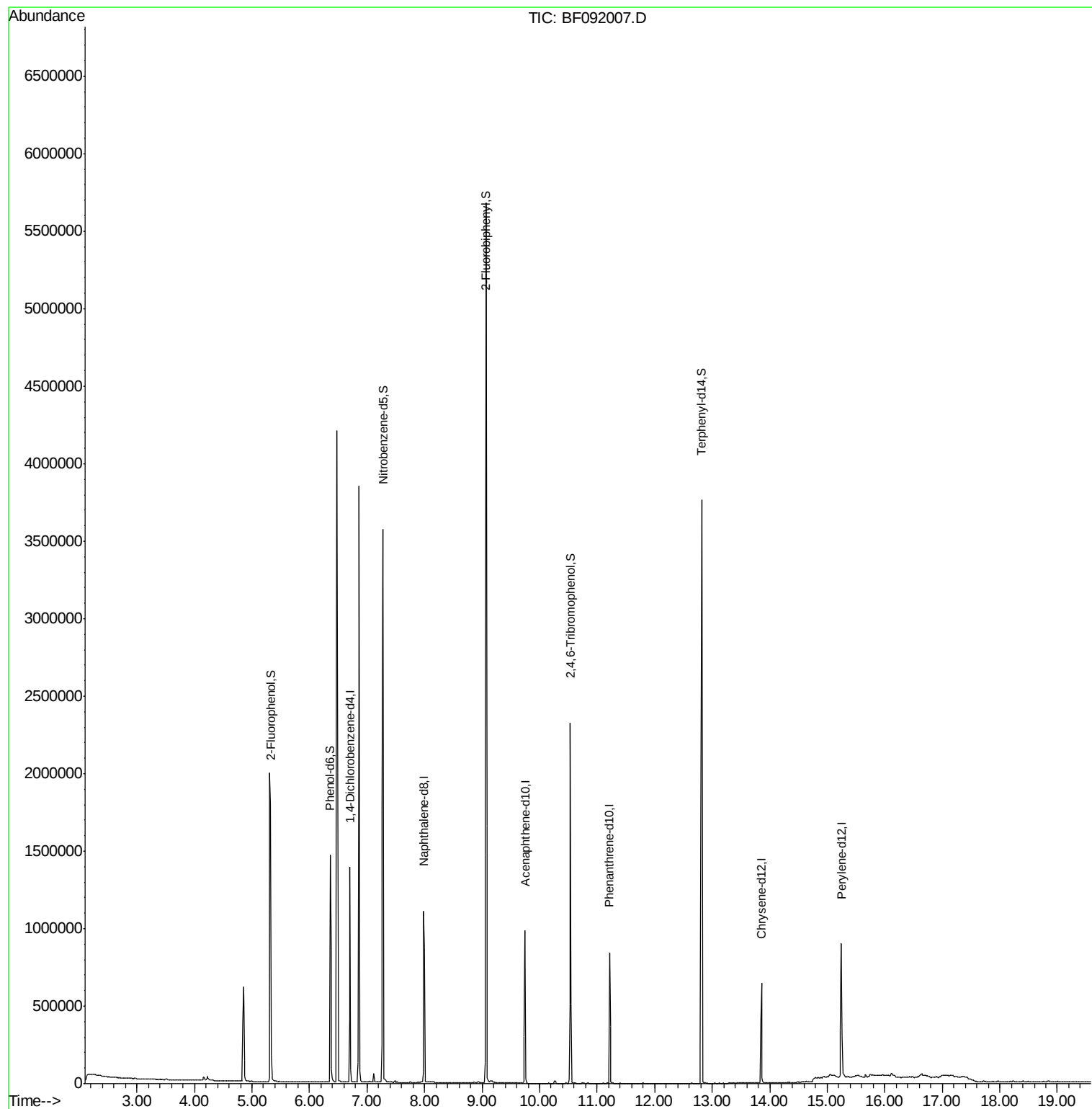
Target Compounds Qvalue

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 17:32:10 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

207TH-ST-FB-1-122216

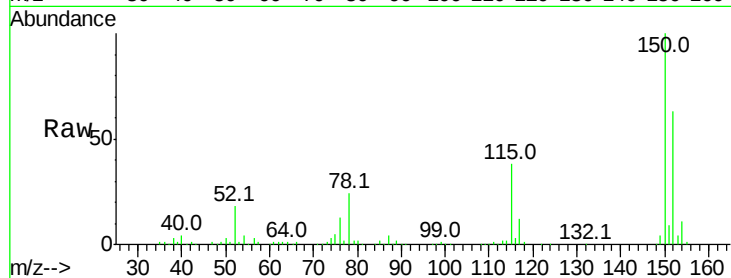
Tot Ion:152 Resp: 215682

Ion Ratio Lower Upper

152 100

150 157.7 124.9 187.3

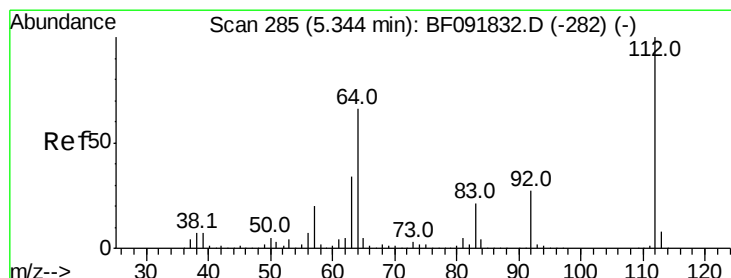
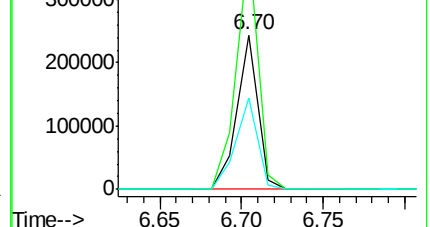
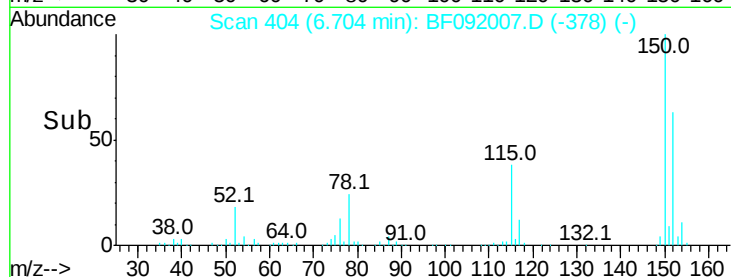
115 59.3 46.0 69.0



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: 63.81 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

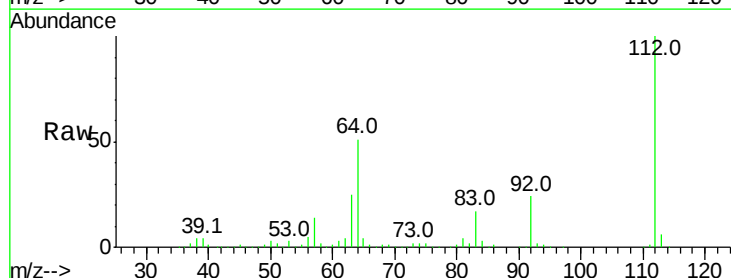
Tgt Ion:112 Resp: 824182

Ion Ratio Lower Upper

112 100

64 50.6 46.1 69.1

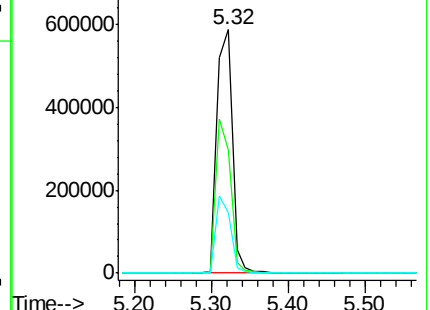
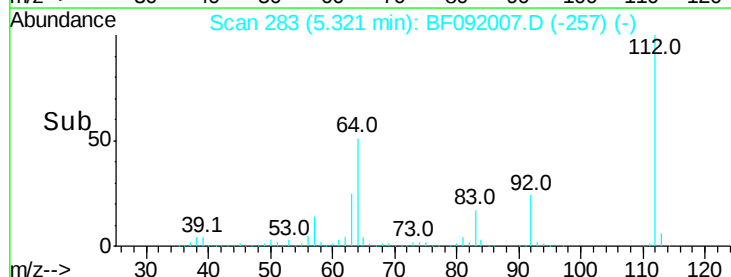
63 24.8 23.8 35.6



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: 39.50 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

207TH-ST-FB-1-122216

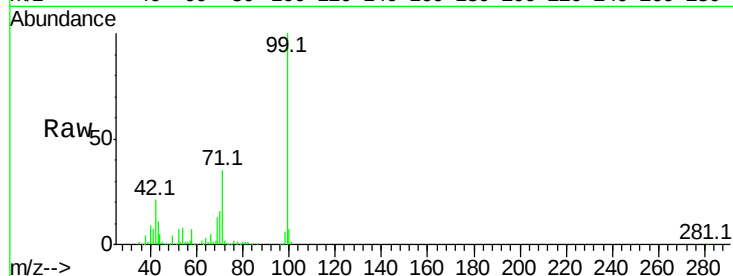
Tot Ion: 99 Resp: 622907

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

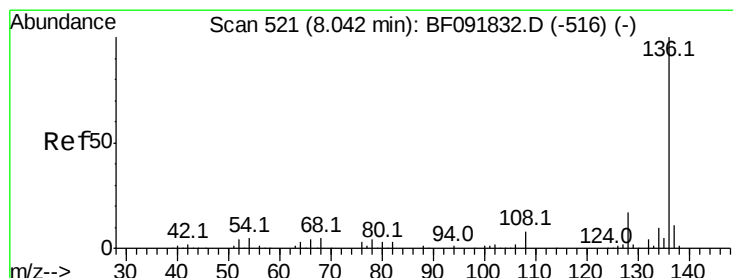
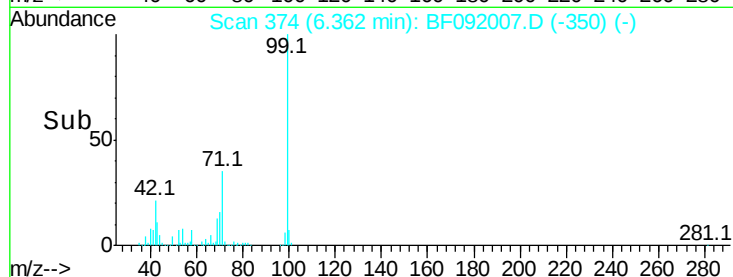
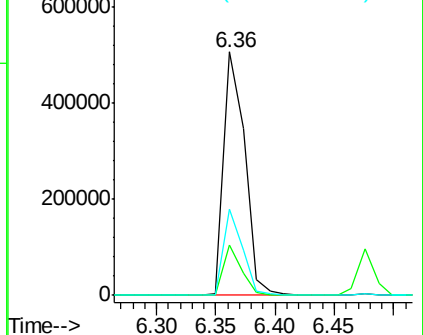
71 35.3 27.5 41.3



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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

Tgt Ion: 136 Resp: 724079

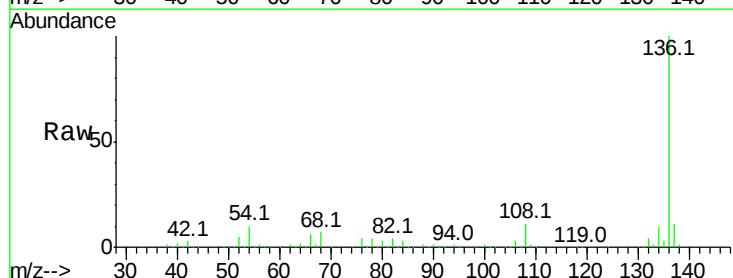
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 9.8 4.5 6.7#

68 6.8 3.6 5.4#

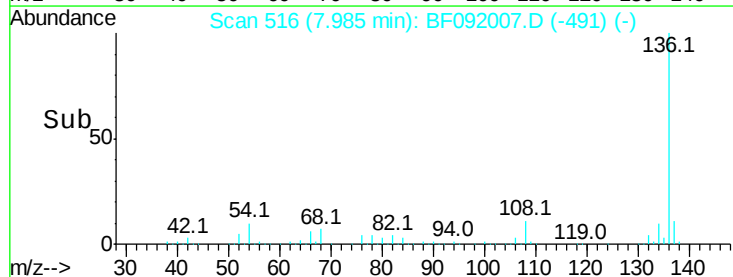
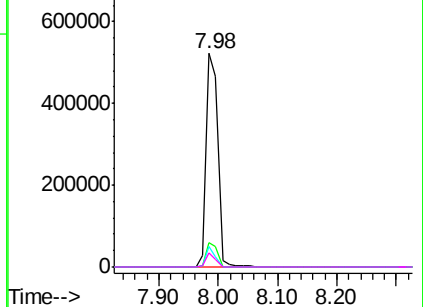


Abundance Ion 136.00 (135.70 to 136.70): E

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



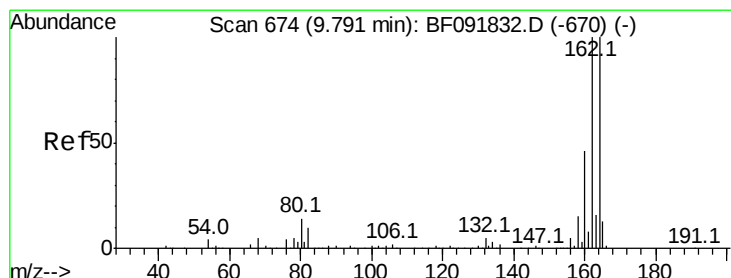
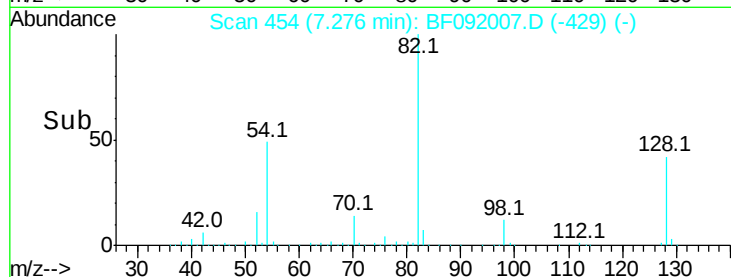
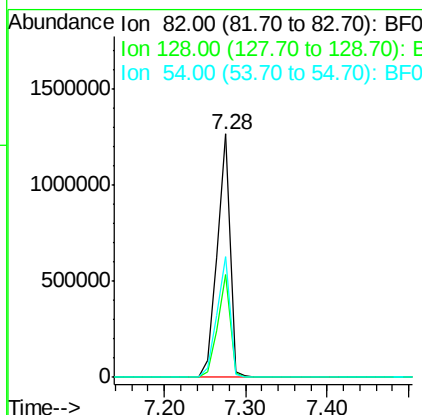
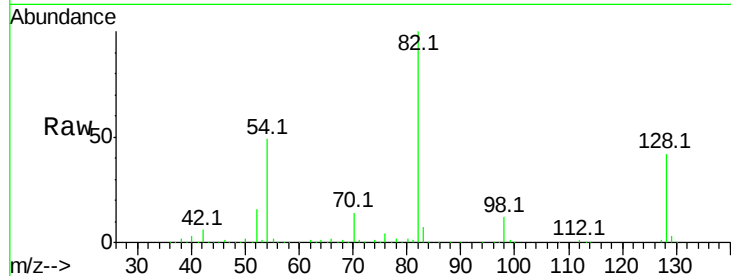


#23  
 Nitrobenzene-d5  
 Concen: 106.72 ng  
 RT: 7.28 min Scan# 454  
 Delta R.T. -0.01 min  
 Lab File: BF092007.D  
 Acq: 28 Dec 2016 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 207TH-ST-FB-1-122216

Tot Ion: 82 Resp: 1389691  

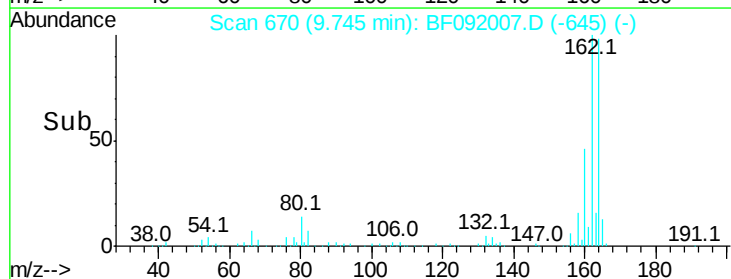
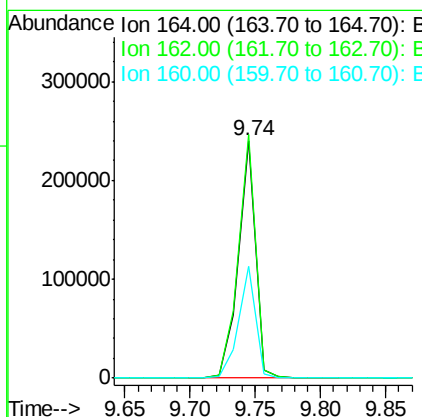
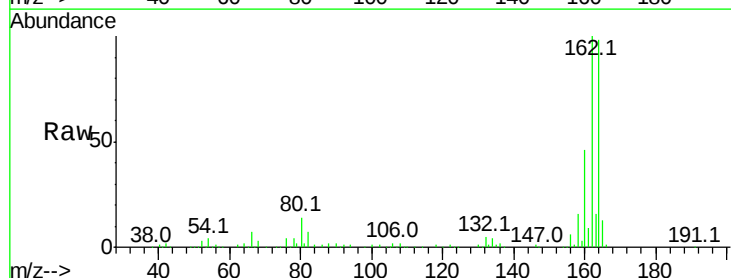
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.0  | 34.6  | 52.0  |
| 54  | 49.3  | 39.5  | 59.3  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. -0.01 min  
 Lab File: BF092007.D  
 Acq: 28 Dec 2016 21:10

Tgt Ion:164 Resp: 217174  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.5 | 80.2  | 120.2 |
| 160 | 47.2  | 36.9  | 55.3  |

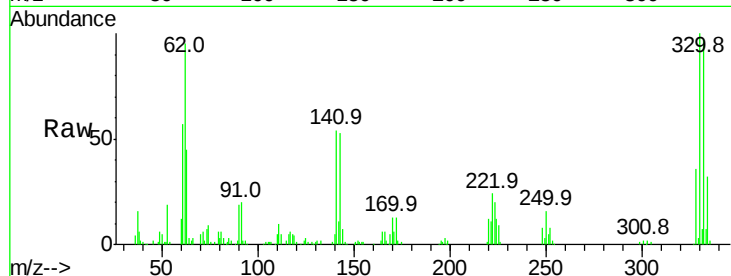




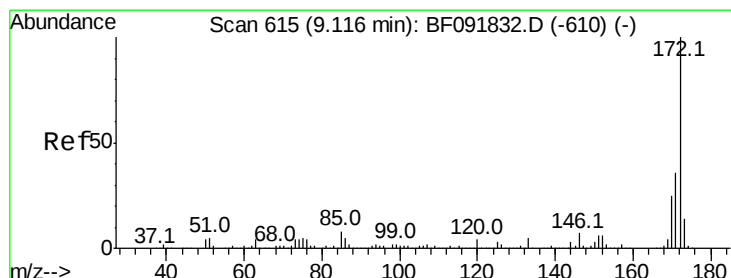
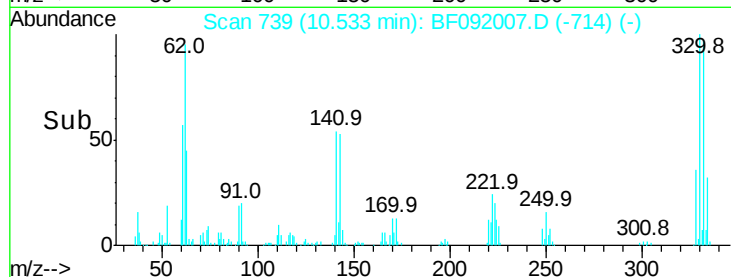
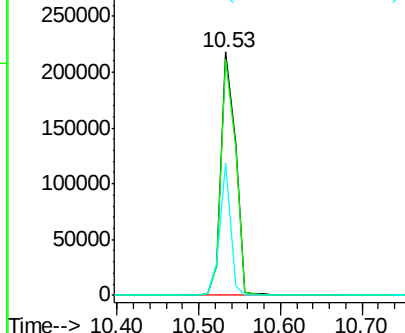
#41  
 2,4,6-Tribromophenol  
 Concen: 148.73 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: BF092007.D  
 Acq: 28 Dec 2016 21:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 207TH-ST-FB-1-122216

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.4  | 116.2 |
| 141     | 40.7  | 34.1  | 51.1  |

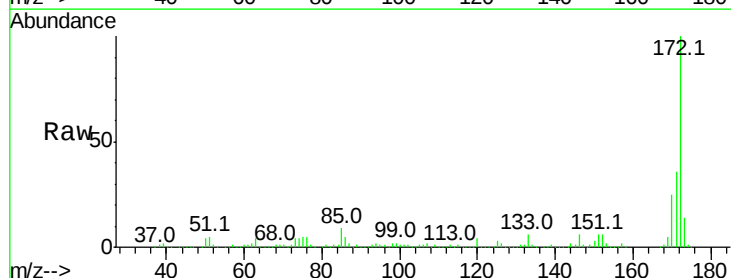


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

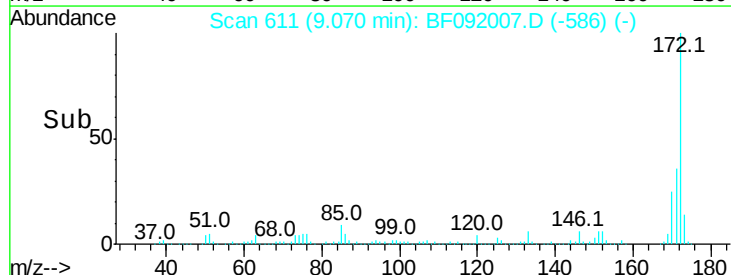
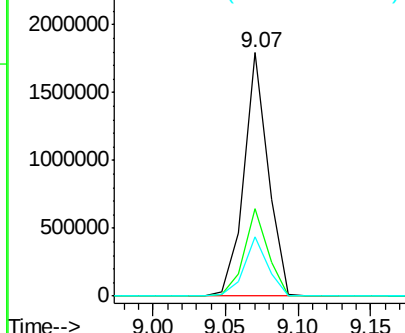


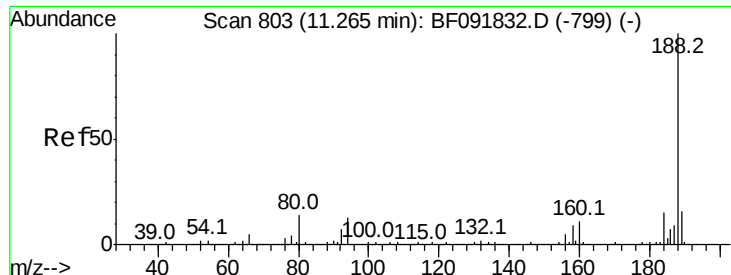
#44  
 2-Fluorobiphenyl  
 Concen: 216.20 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF092007.D  
 Acq: 28 Dec 2016 21:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.4  | 44.0  |
| 170     | 24.5  | 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

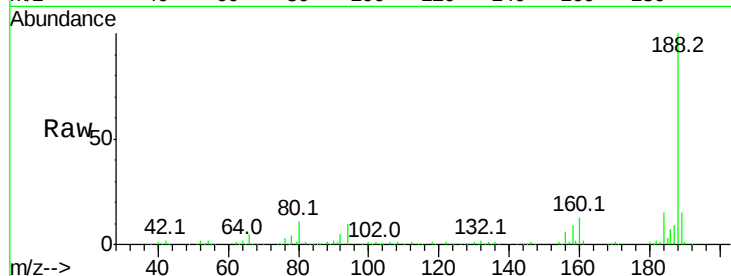




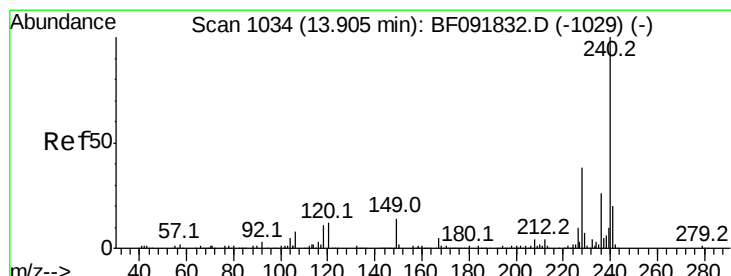
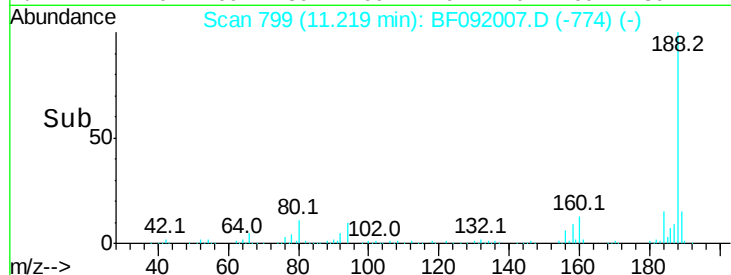
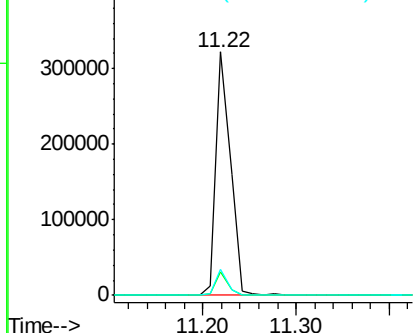
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.22 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BF092007.D  
Acq: 28 Dec 2016 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
207TH-ST-FB-1-122216

Tot Ion:188 Resp: 347165  
Ion Ratio Lower Upper  
188 100  
94 9.6 10.0 15.0#  
80 10.8 11.2 16.8#

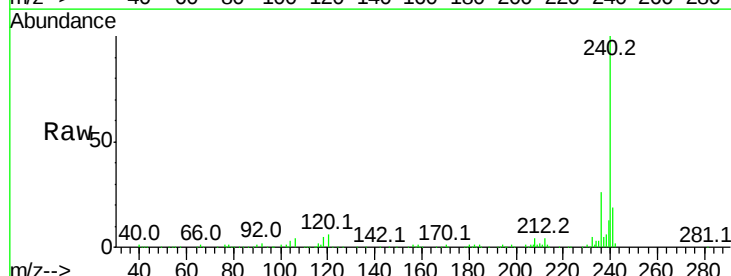


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

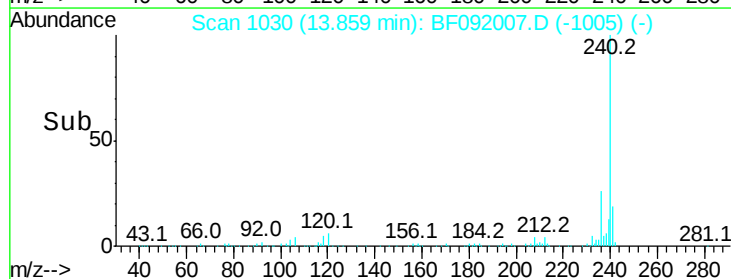
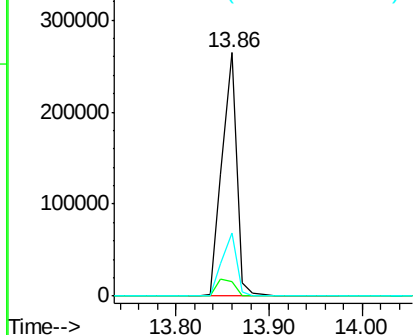


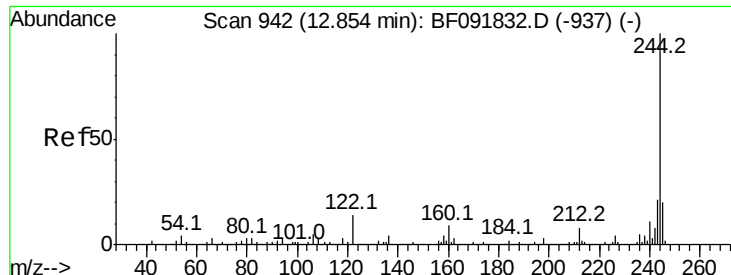
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.86 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF092007.D  
Acq: 28 Dec 2016 21:10

Tgt Ion:240 Resp: 289061  
Ion Ratio Lower Upper  
240 100  
120 5.9 12.9 19.3#  
236 25.7 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: 116.56 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

207TH-ST-FB-1-122216

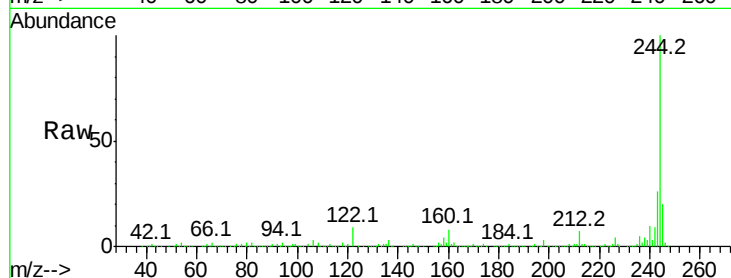
Tot Ion:244 Resp: 1389194

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

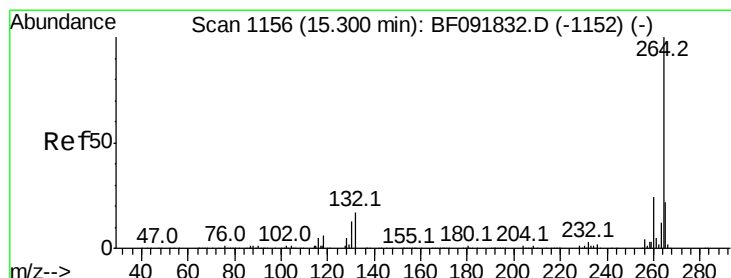
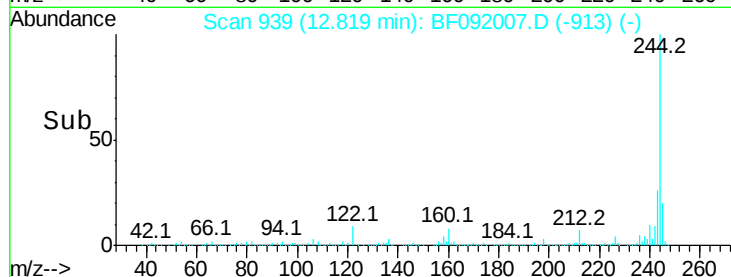
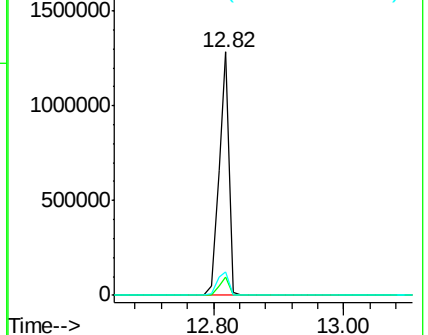
122 9.4 11.4 17.2#



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: 15.24 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF092007.D

Acq: 28 Dec 2016 21:10

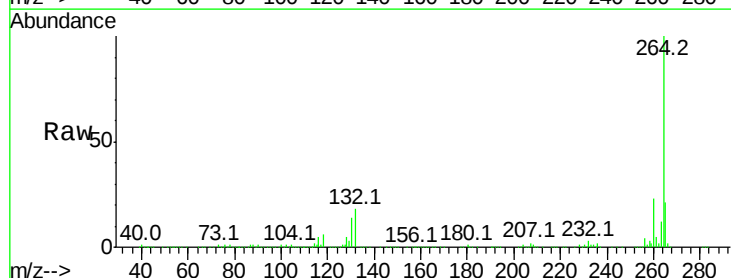
Tgt Ion:264 Resp: 385973

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.2 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

