

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\  
 Data File : BF095468.D  
 Acq On : 26 May 2017 19:06  
 Operator : SJ/MA  
 Sample : I3366-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-004

Quant Time: May 27 04:10:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 26 16:50:16 2017  
 Response via : Initial Calibration

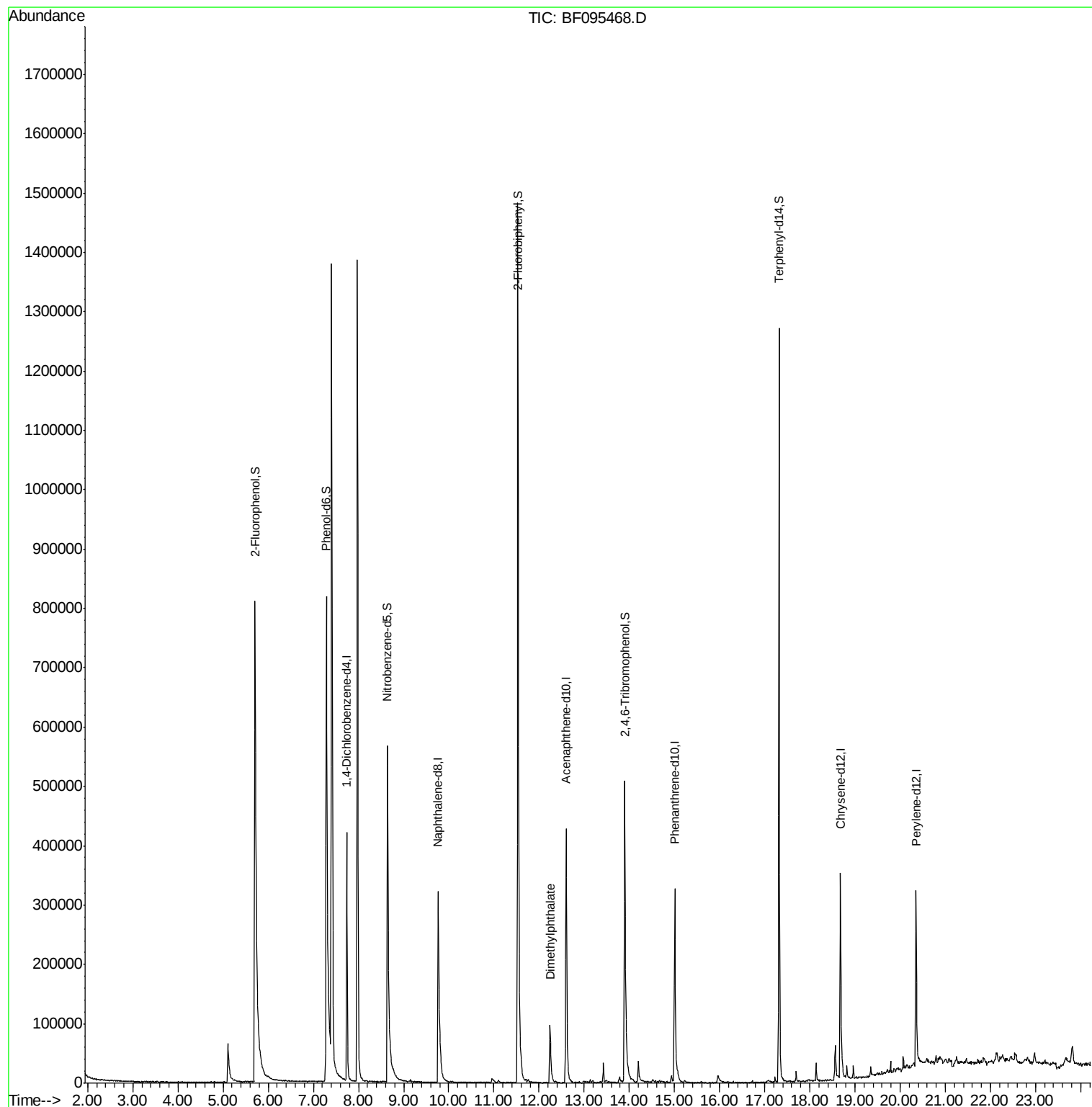
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 95484    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 9.77  | 136  | 377507   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 12.60 | 164  | 166017   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 15.01 | 188  | 254805   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 18.68 | 240  | 194821   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 20.35 | 264  | 153451   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.71  | 112  | 674488   | 117.77 | ng    | 0.00          |
| 7) Phenol-d6                | 7.29  | 99   | 769225   | 111.94 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 8.64  | 82   | 443639   | 74.11  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 13.90 | 330  | 125367   | 92.21  | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 11.53 | 172  | 927671   | 80.43  | ng    | 0.00          |
| 78) Terphenyl-d14           | 17.32 | 244  | 540534   | 61.11  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 12.24 | 163  | 99508    | 7.30   | ng    | Qvalue<br>100 |

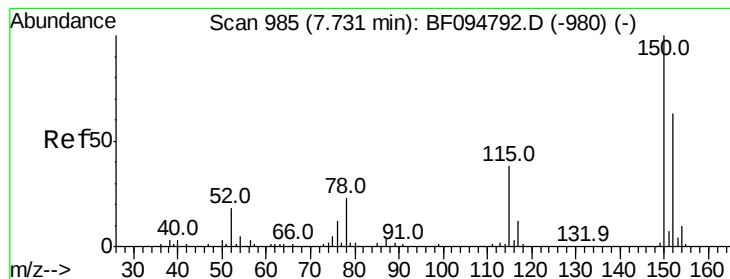
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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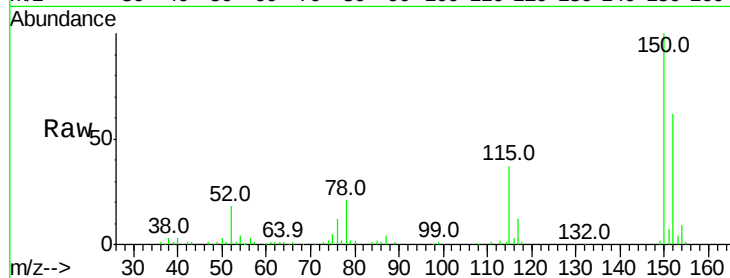


#1

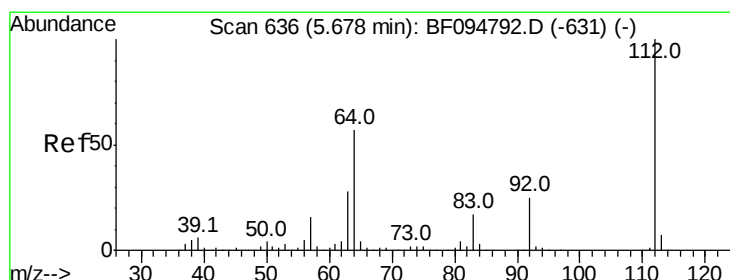
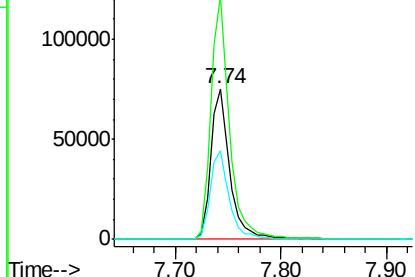
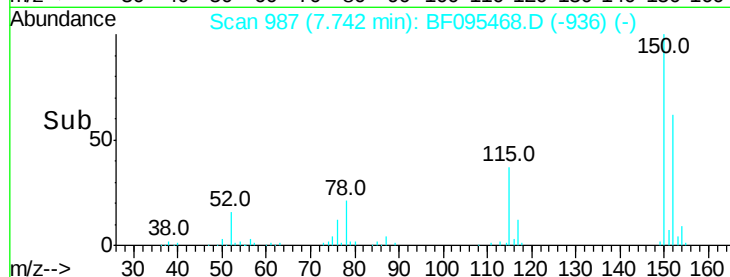
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.74 min Scan# 987  
Delta R.T. 0.00 min  
Lab File: BF095468.D  
Acq: 26 May 2017 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-004

Tot Ion:152 Resp: 95484  
Ion Ratio Lower Upper  
152 100  
150 161.9 126.2 189.2  
115 59.4 52.2 78.2



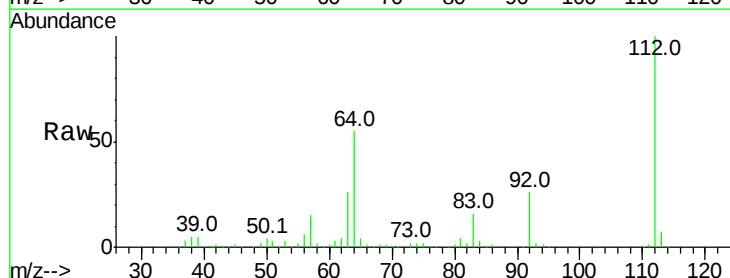
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



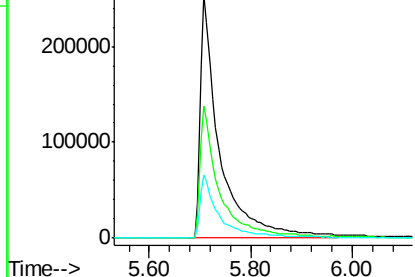
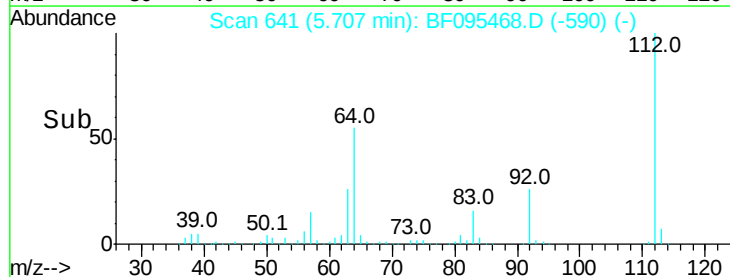
#5

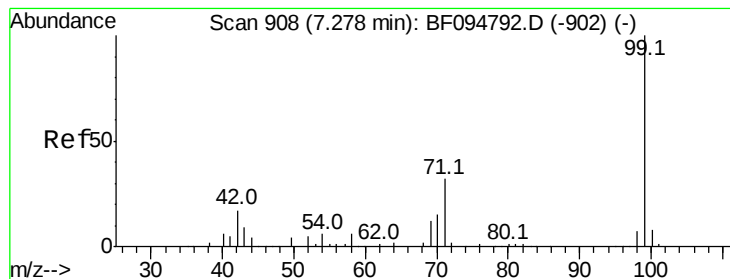
2-Fluorophenol  
Concen: 117.77 ng  
RT: 5.71 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: BF095468.D  
Acq: 26 May 2017 19:06

Tgt Ion:112 Resp: 674488  
Ion Ratio Lower Upper  
112 100  
64 54.6 46.0 69.0  
63 26.2 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: 111.94 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-004

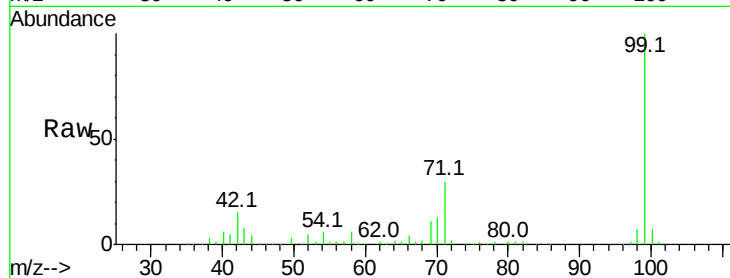
Tot Ion: 99 Resp: 769225

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

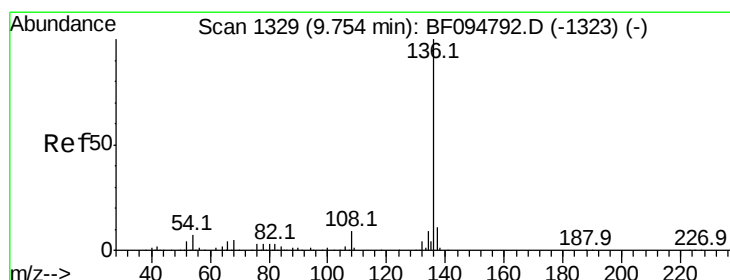
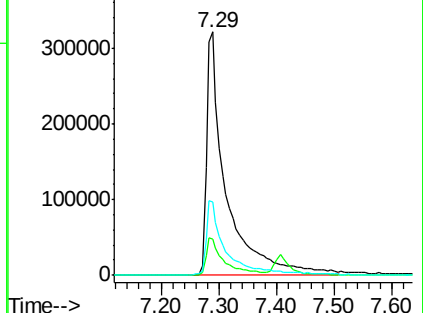
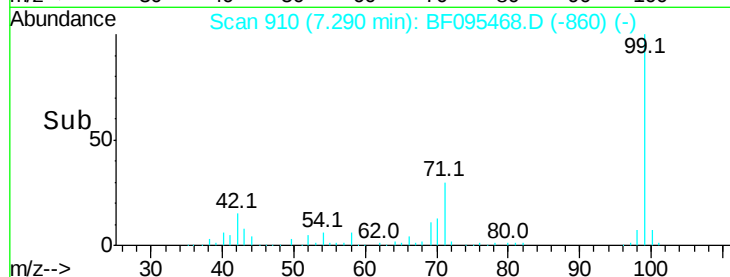
71 30.2 24.5 36.7



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: 20.00 ng

RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

Tgt Ion:136 Resp: 377507

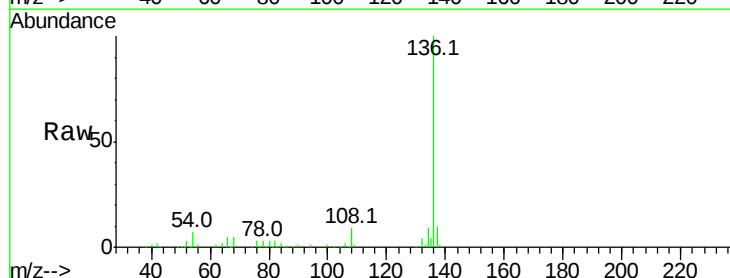
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.7 4.9 7.3

68 5.2 4.1 6.1

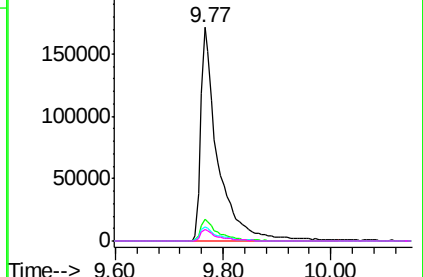
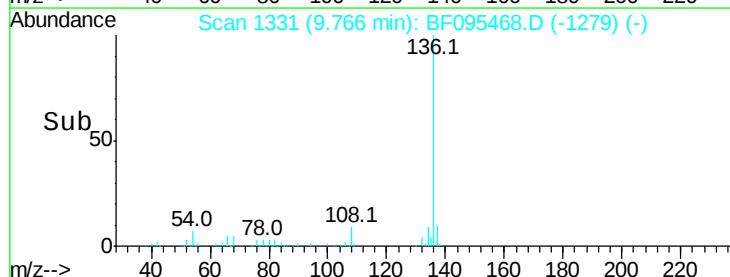


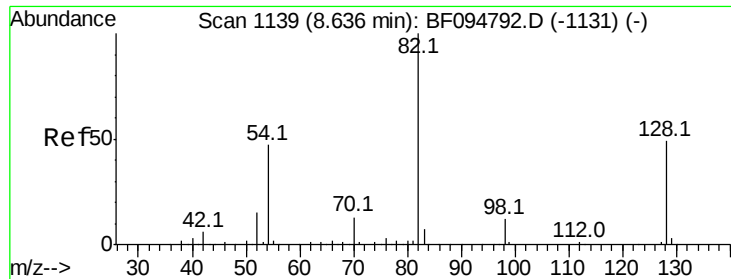
Abundance Ion 136.00 (135.70 to 136.70): E

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

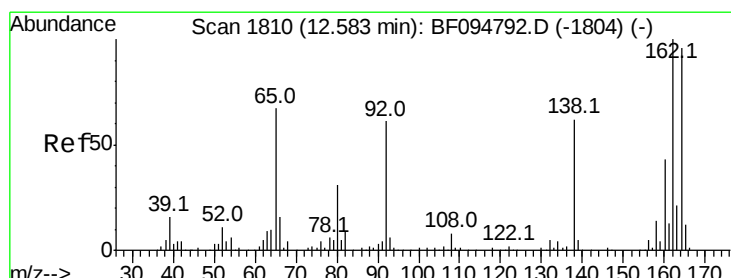
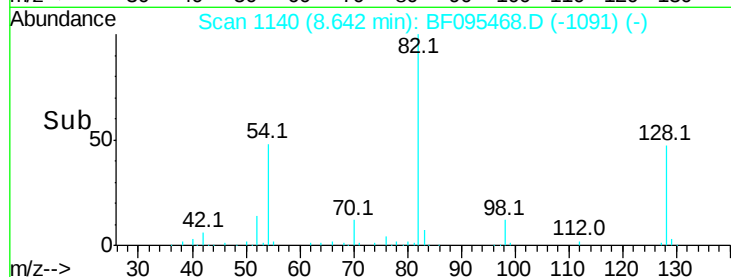
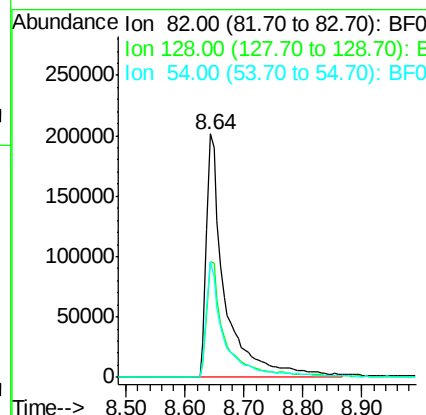
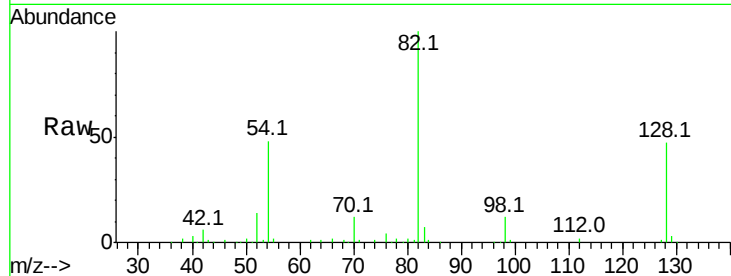




#23  
 Nitrobenzene-d5  
 Concen: 74.11 ng  
 RT: 8.64 min Scan# 1140  
 Delta R.T. -0.01 min  
 Lab File: BF095468.D  
 Acq: 26 May 2017 19:06

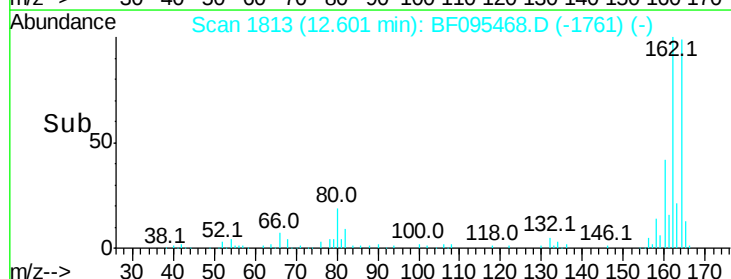
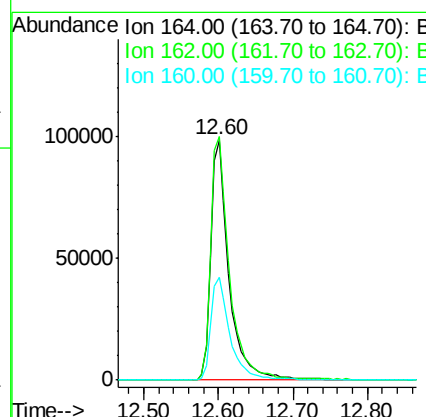
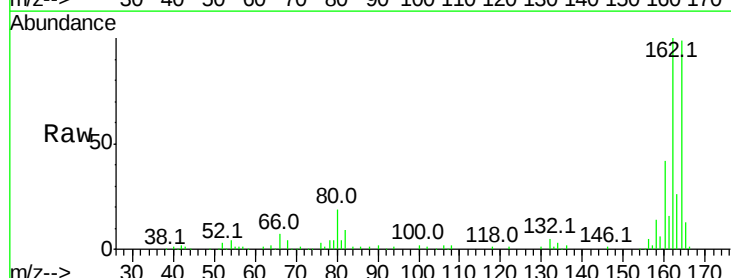
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-004

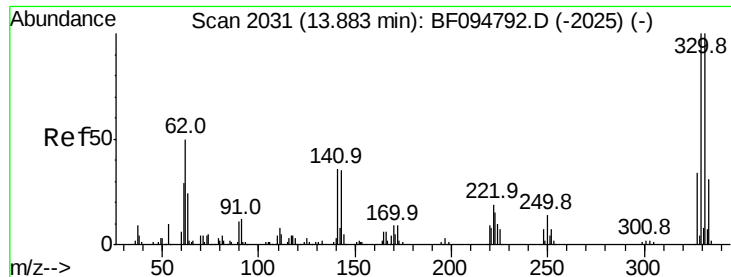
Tot Ion: 82 Resp: 443639  
 Ion Ratio Lower Upper  
 82 100  
 128 47.5 34.0 51.0  
 54 47.6 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.60 min Scan# 1813  
 Delta R.T. 0.01 min  
 Lab File: BF095468.D  
 Acq: 26 May 2017 19:06

Tgt Ion:164 Resp: 166017  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 82.6 123.8  
 160 43.0 36.2 54.2

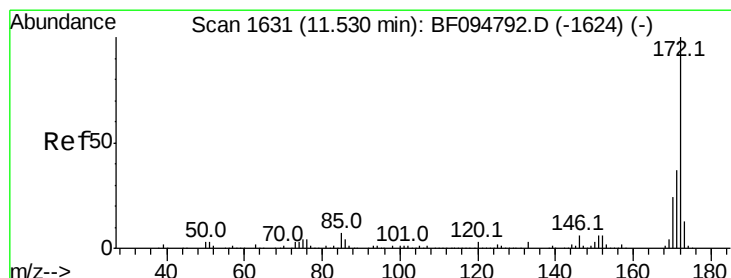
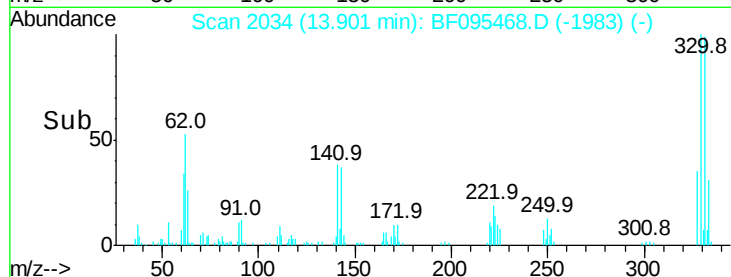
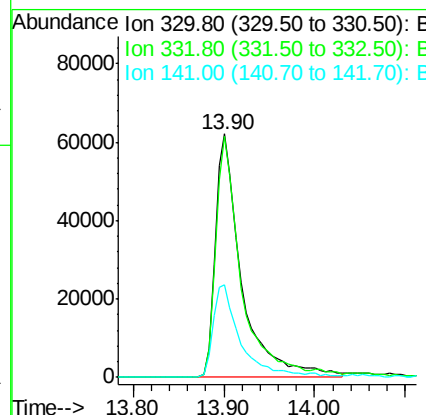
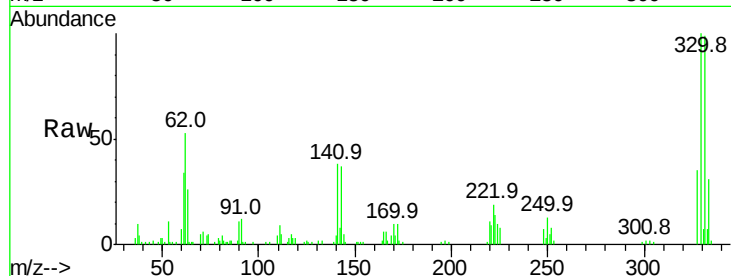




#41  
 2,4,6-Tribromophenol  
 Concen: 92.21 ng  
 RT: 13.90 min Scan# 2034  
 Delta R.T. 0.00 min  
 Lab File: BF095468.D  
 Acq: 26 May 2017 19:06

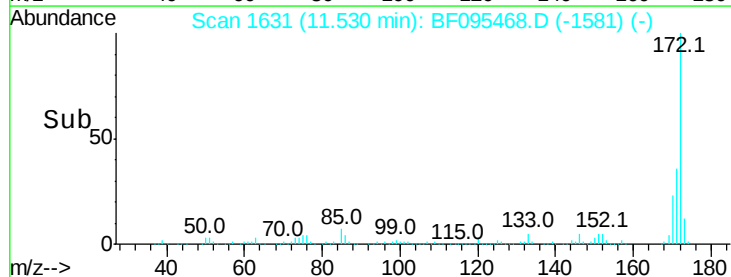
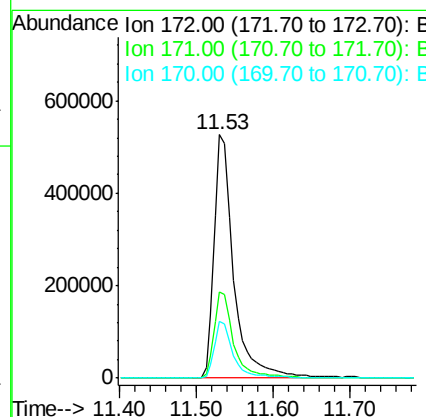
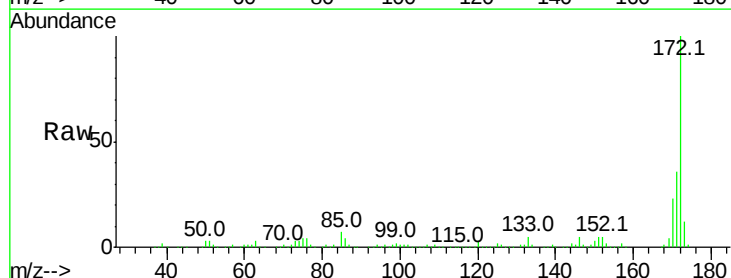
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-004

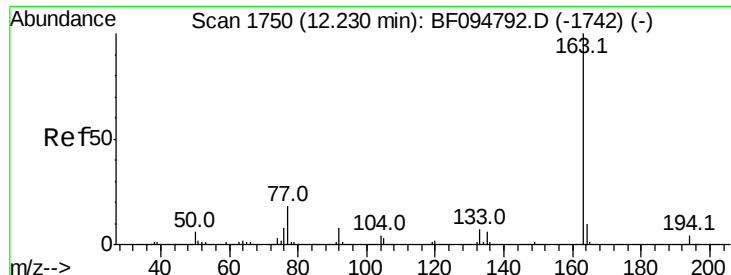
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 76.6  | 115.0 |
| 141     | 40.4  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 80.43 ng  
 RT: 11.53 min Scan# 1631  
 Delta R.T. -0.01 min  
 Lab File: BF095468.D  
 Acq: 26 May 2017 19:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.6  | 44.4  |
| 170     | 23.2  | 19.8  | 29.8  |





#49

Dimethylphthalate

Concen: 7.30 ng

RT: 12.24 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-004

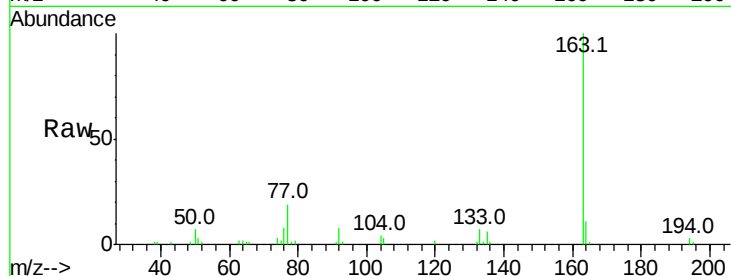
Tot Ion:163 Resp: 99508

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

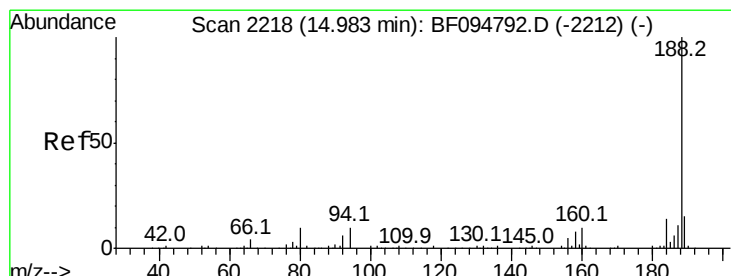
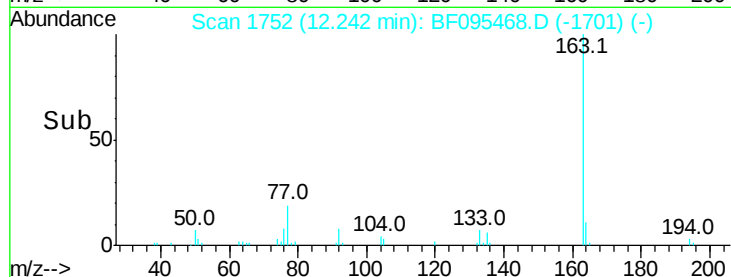
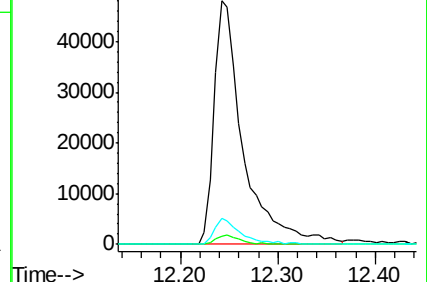
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

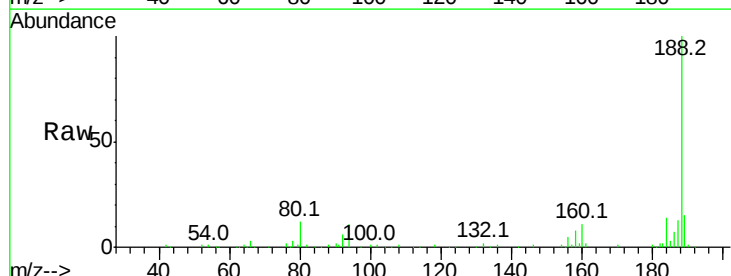
Tgt Ion:188 Resp: 254805

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

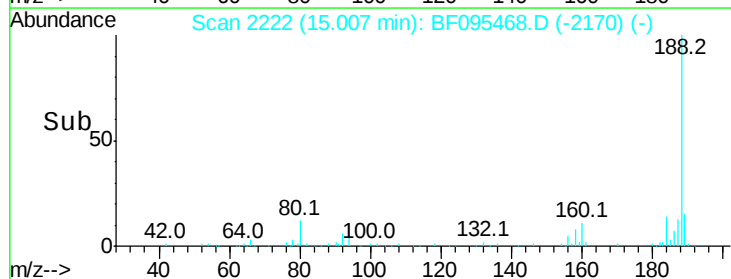
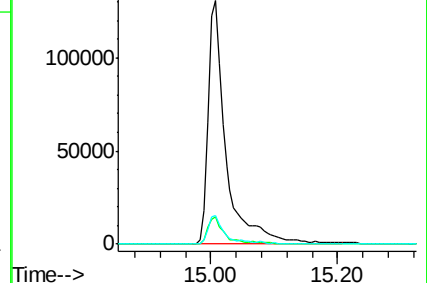
80 11.5 10.2 15.2

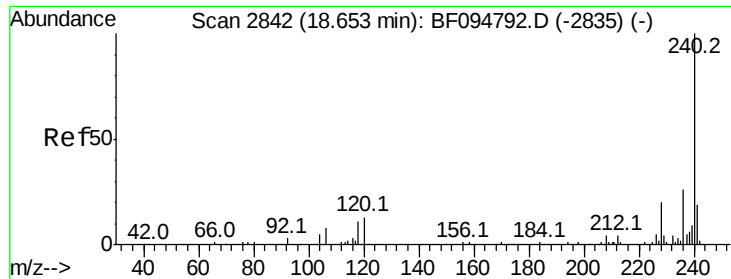


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-004

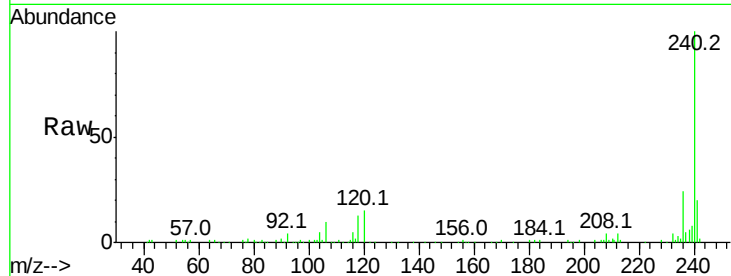
Tot Ion:240 Resp: 194821

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

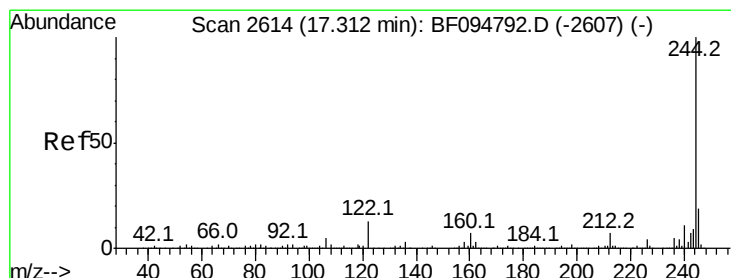
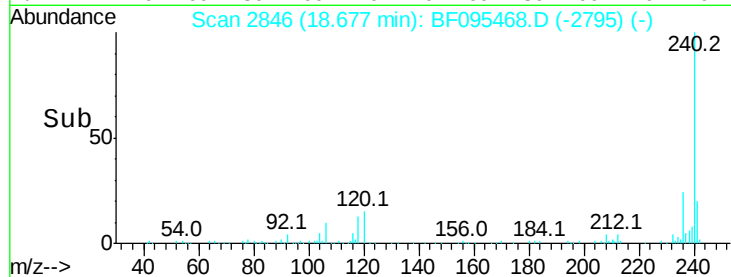
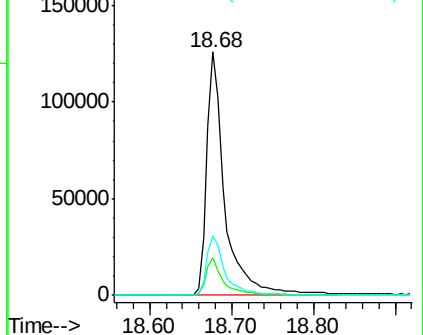
236 24.5 20.5 30.7



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: 61.11 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF095468.D

Acq: 26 May 2017 19:06

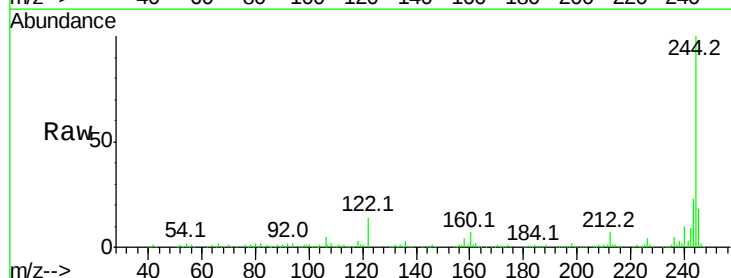
Tgt Ion:244 Resp: 540534

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

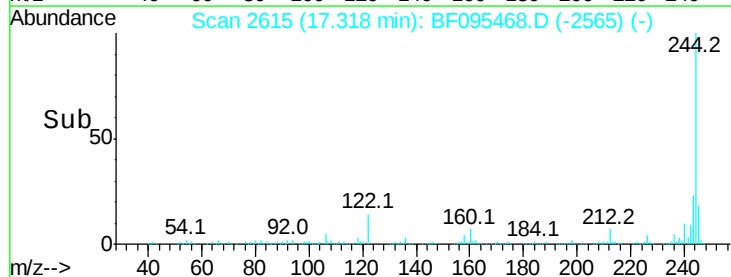
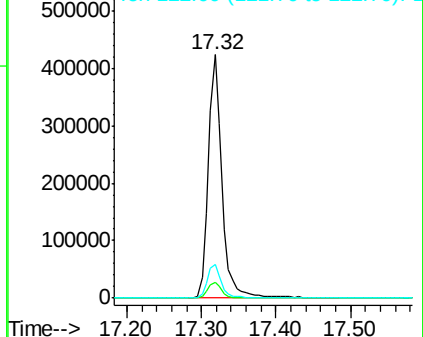
122 13.8 10.3 15.5

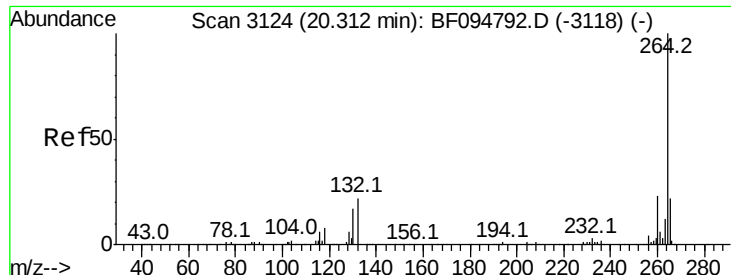


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

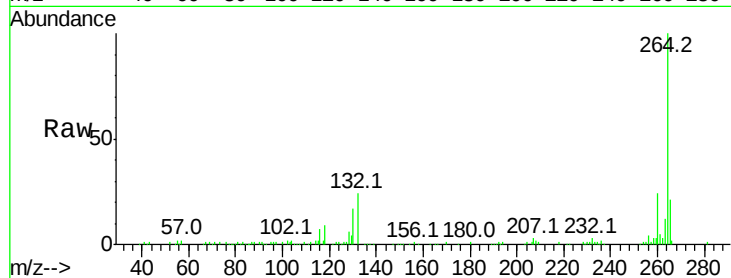




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 20.35 min Scan# 3131  
 Delta R.T. 0.00 min  
 Lab File: BF095468.D  
 Acq: 26 May 2017 19:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-004

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.5  | 29.3  |
| 265     | 21.2  | 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

