

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051917\  
 Data File : BF095293.D  
 Acq On : 20 May 2017 8:51  
 Operator : SJ/MA  
 Sample : I3228-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-9

Quant Time: May 22 02:31:35 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 90540    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.78  | 136  | 364507   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.61 | 164  | 145448   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 15.02 | 188  | 187919   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 18.69 | 240  | 155964   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 20.37 | 264  | 95623    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.74  | 112  | 627439   | 115.54 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 675727   | 103.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.66  | 82   | 472314   | 81.71  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 13.91 | 330  | 134925   | 113.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 11.55 | 172  | 955881   | 94.59  | ng    | 0.00     |
| 78) Terphenyl-d14           | 17.34 | 244  | 550645   | 77.76  | ng    | -0.01    |

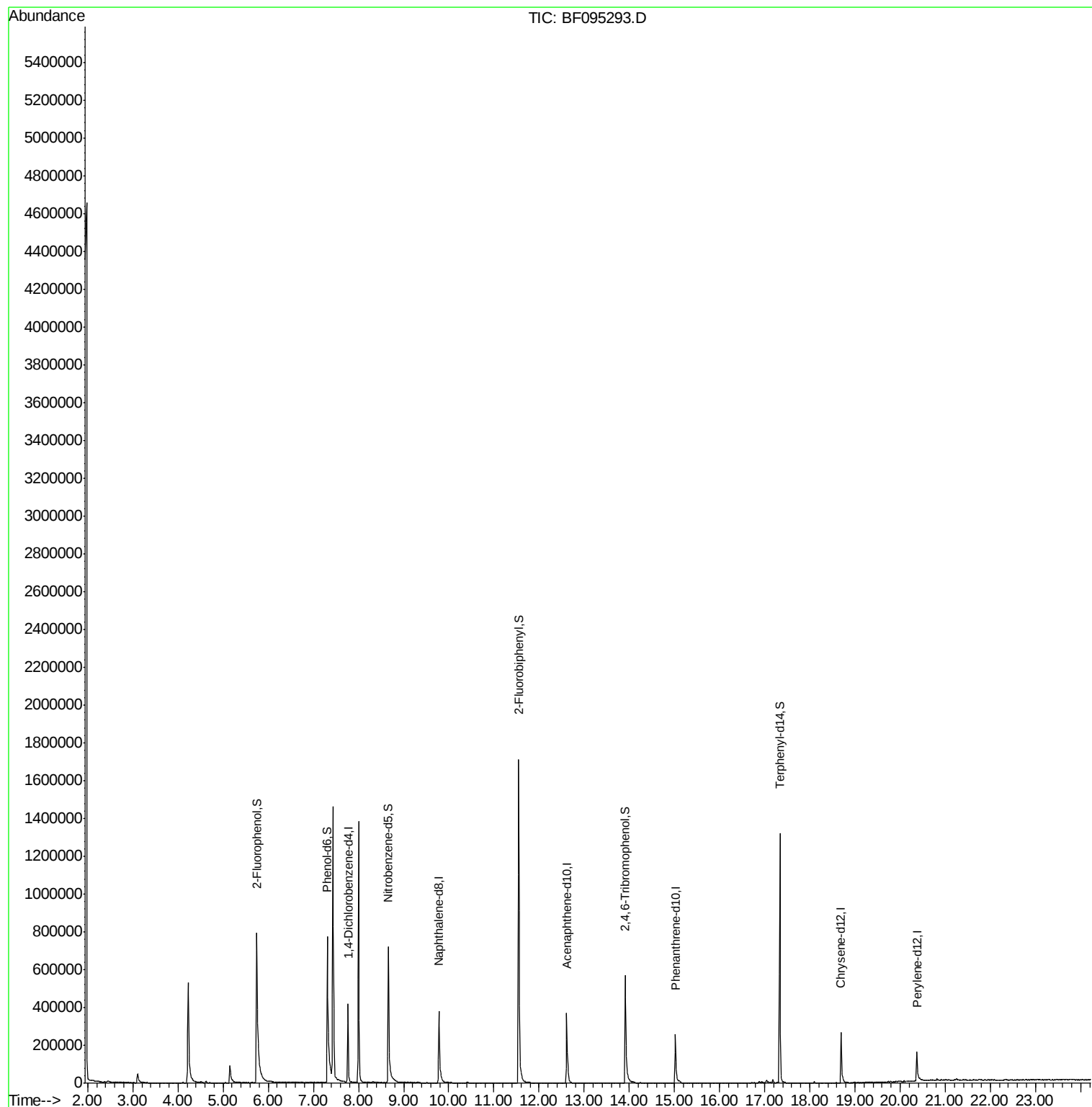
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

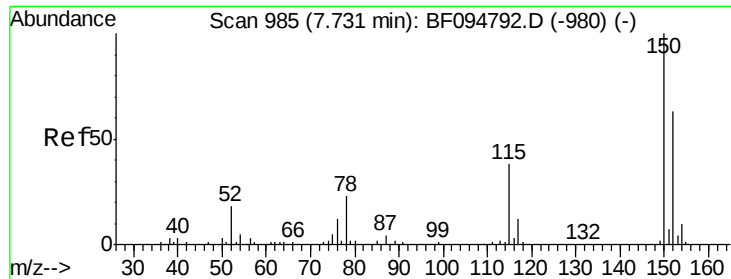
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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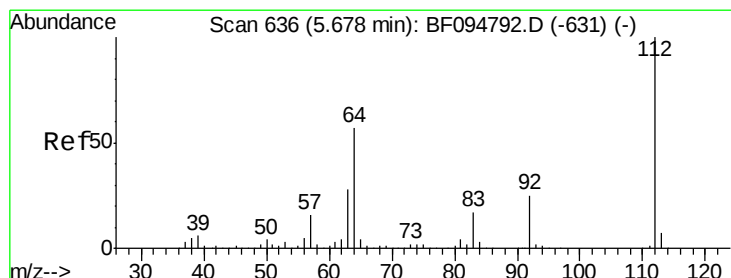
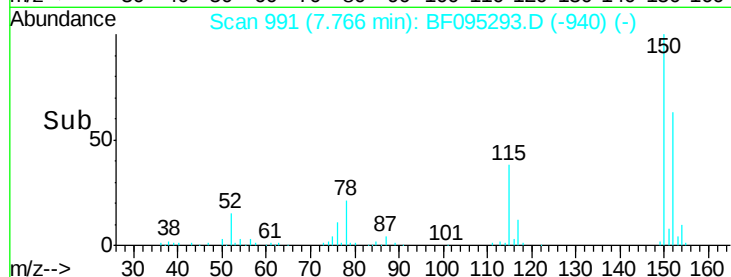
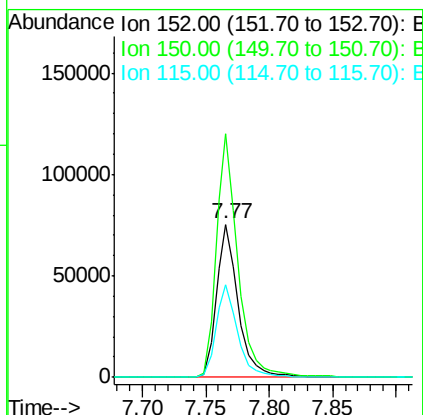
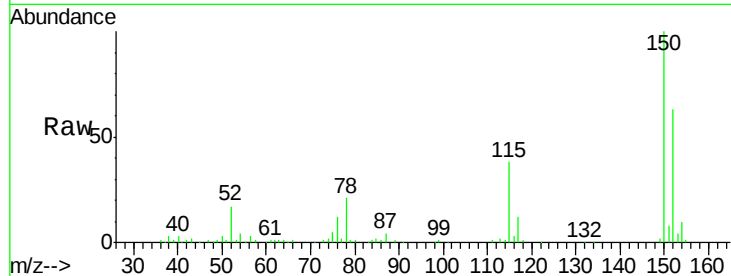


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.77 min Scan# 991  
 Delta R.T. 0.00 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Instrument :  
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 ClientSampleId :  
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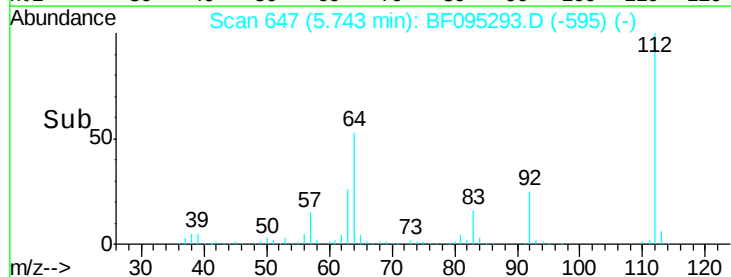
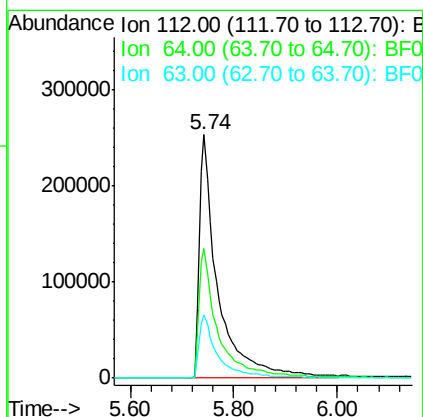
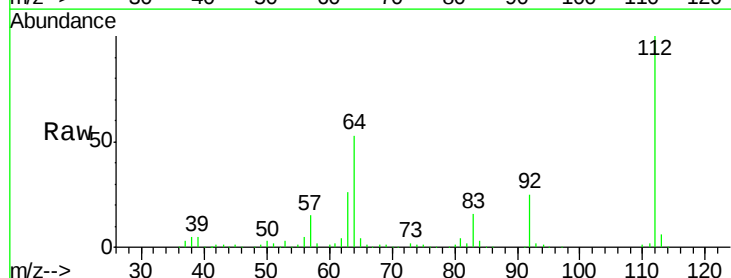
Tgt Ion:152 Resp: 90540  
 Ion Ratio Lower Upper  
 152 100  
 150 159.1 126.2 189.2  
 115 60.1 52.2 78.2

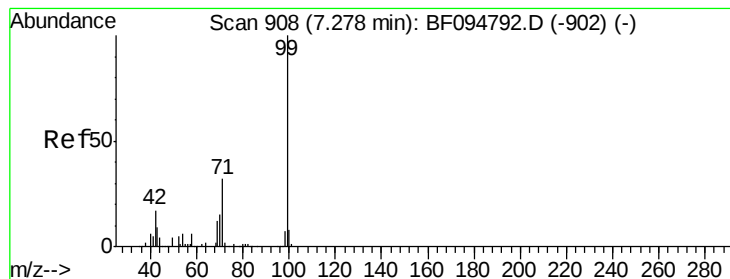


#5

2-Fluorophenol  
 Concen: 115.54 ng  
 RT: 5.74 min Scan# 647  
 Delta R.T. 0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Tgt Ion:112 Resp: 627439  
 Ion Ratio Lower Upper  
 112 100  
 64 53.1 46.0 69.0  
 63 25.7 23.4 35.0





#7

Phenol-d6

Concen: 103.70 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095293.D

Acq: 20 May 2017 8:51

Instrument :

BNA\_F

ClientSampleId :

MH-9

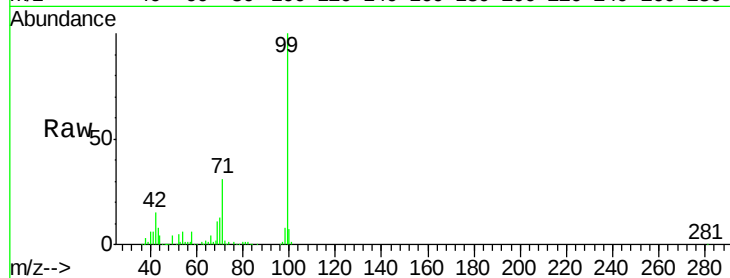
Tgt Ion: 99 Resp: 675727

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

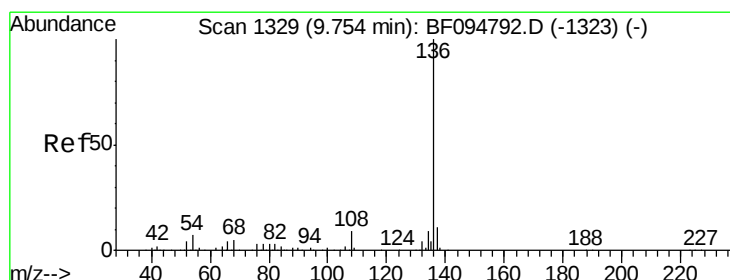
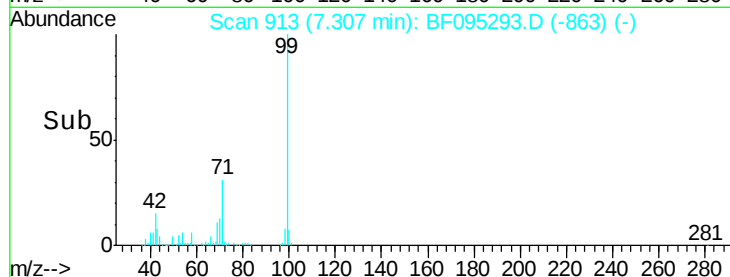
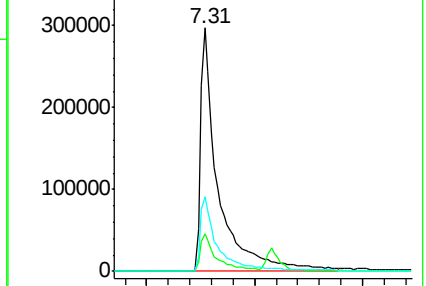
71 30.9 24.5 36.7



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: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095293.D

Acq: 20 May 2017 8:51

Tgt Ion: 136 Resp: 364507

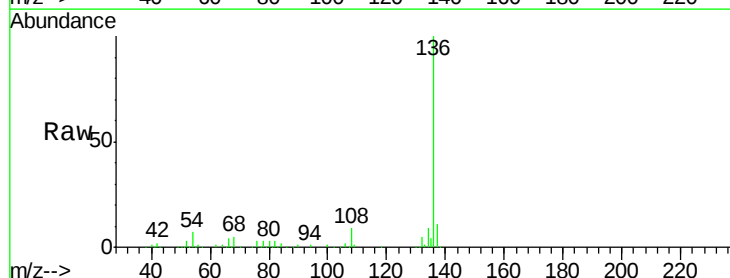
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.9 4.9 7.3

68 5.4 4.1 6.1

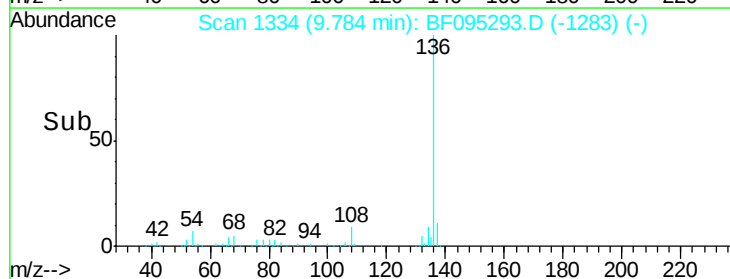
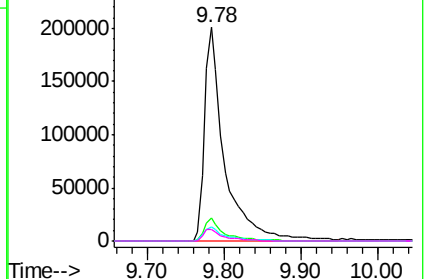


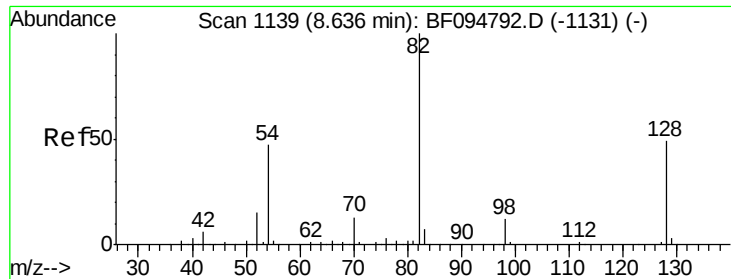
Abundance Ion 136.00 (135.70 to 136.70): E

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

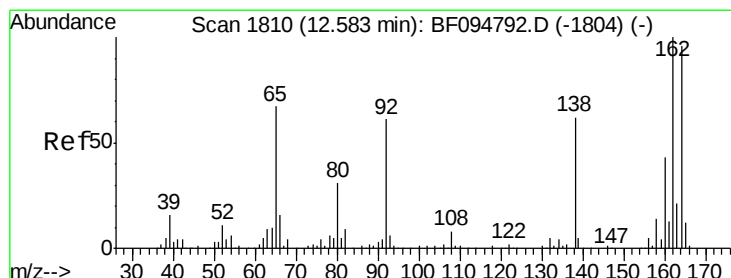
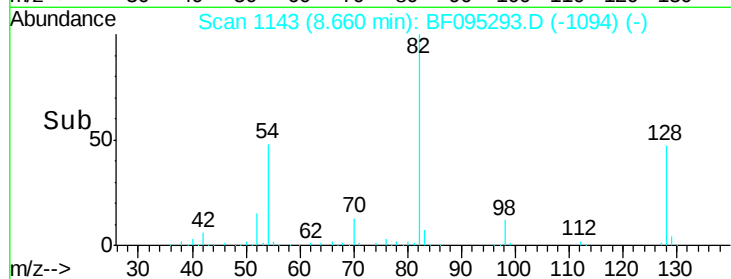
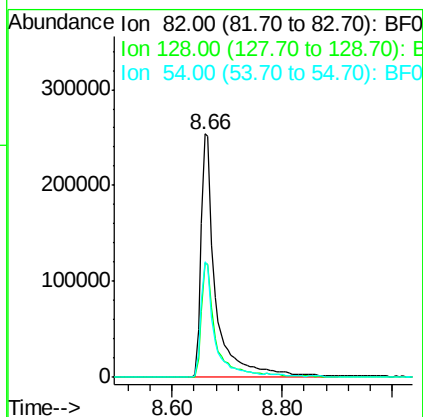
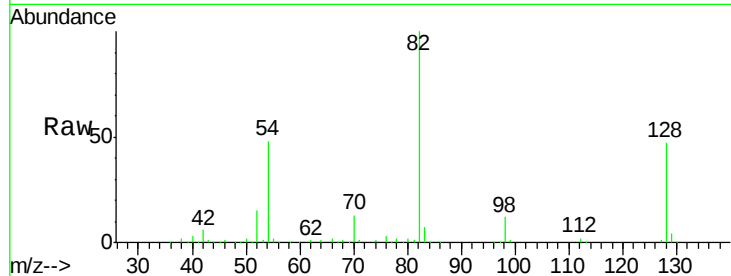




#23  
 Nitrobenzene-d5  
 Concen: 81.71 ng  
 RT: 8.66 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

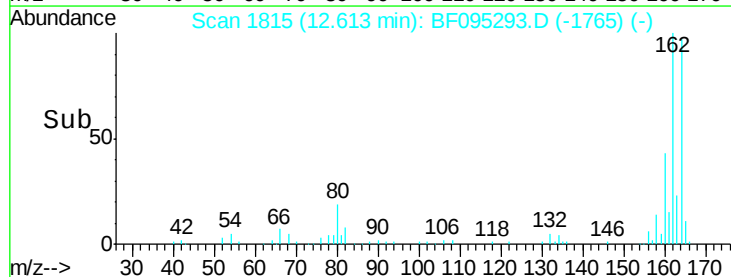
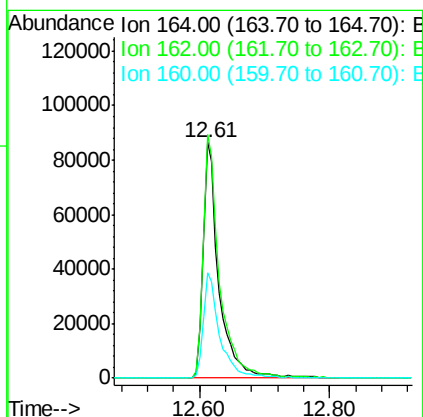
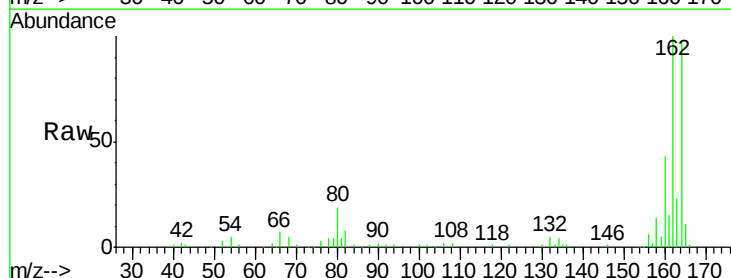
Instrument :  
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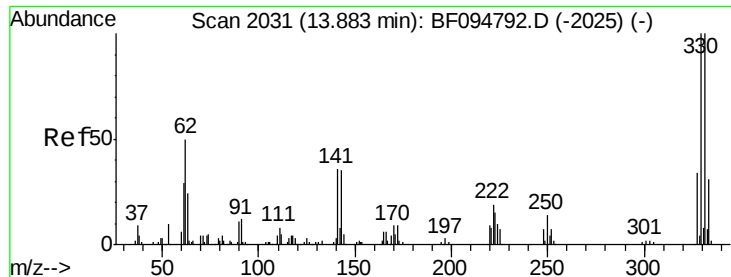
Tgt Ion: 82 Resp: 472314  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 34.0 51.0  
 54 47.7 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.61 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Tgt Ion: 164 Resp: 145448  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 82.6 123.8  
 160 44.5 36.2 54.2

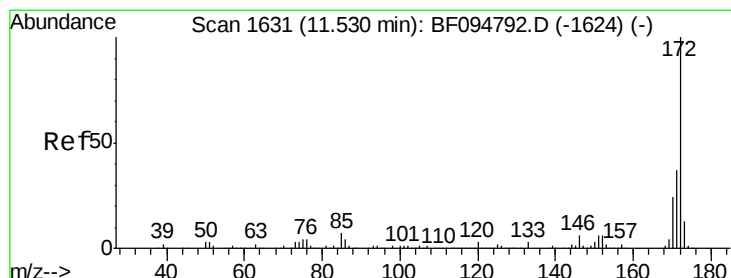
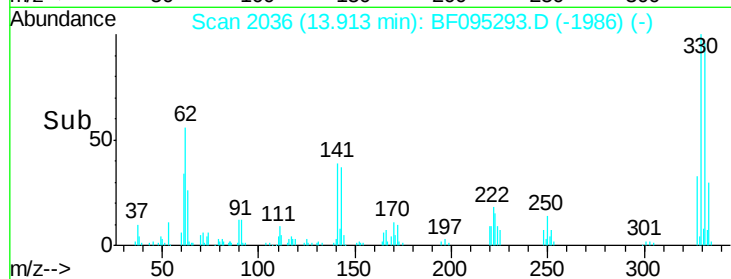
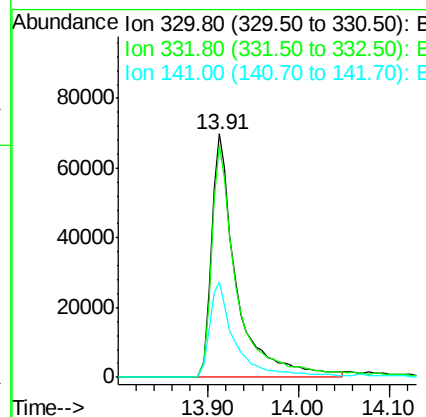
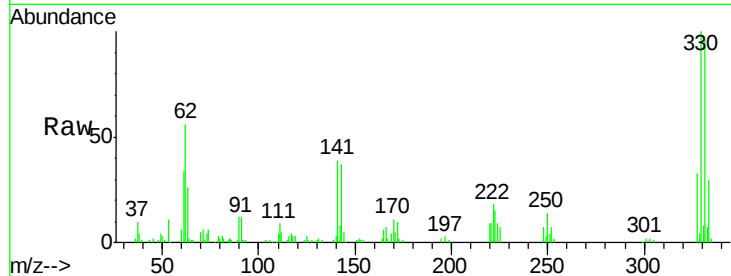




#41  
 2,4,6-Tribromophenol  
 Concen: 113.27 ng  
 RT: 13.91 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF095293.D  
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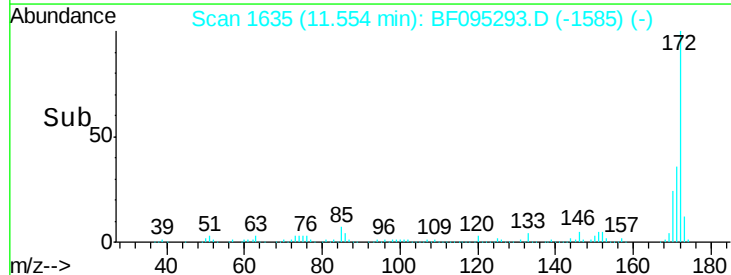
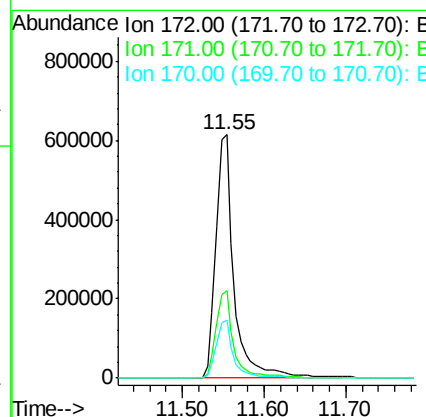
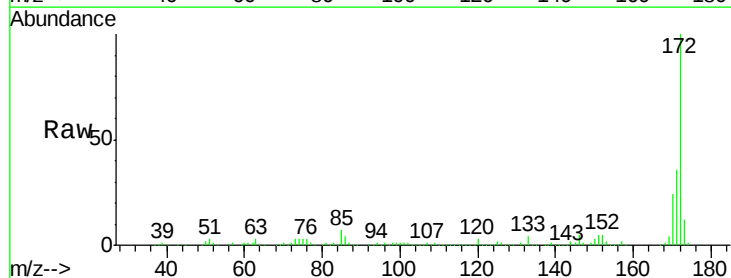
Instrument :  
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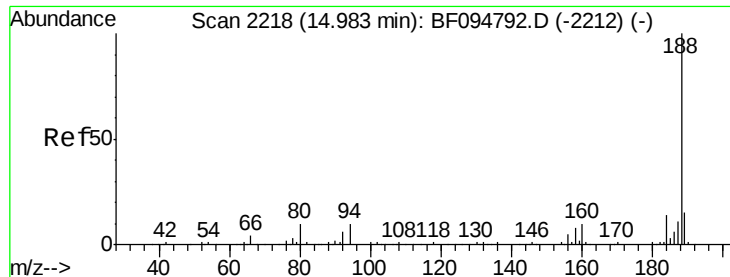
Tgt Ion:330 Resp: 134925  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 115.0  
 141 39.1 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 94.59 ng  
 RT: 11.55 min Scan# 1635  
 Delta R.T. -0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Tgt Ion:172 Resp: 955881  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.6 44.4  
 170 23.6 19.8 29.8

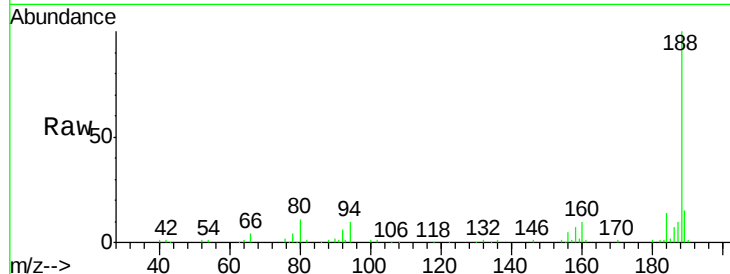




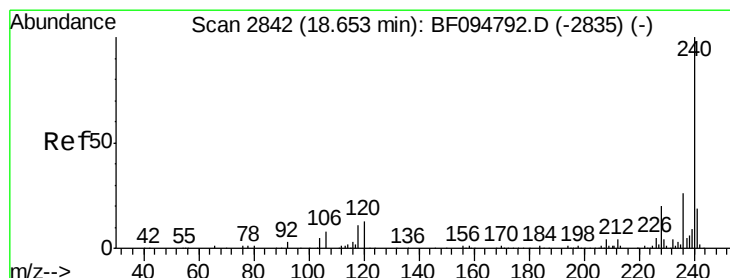
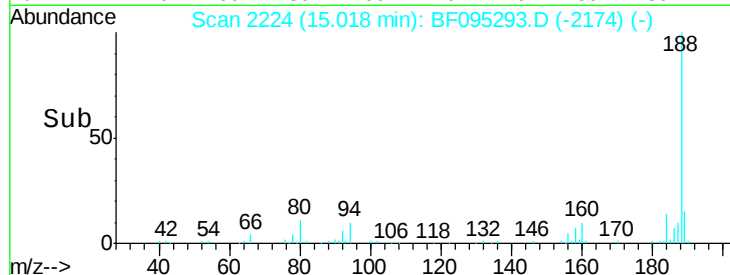
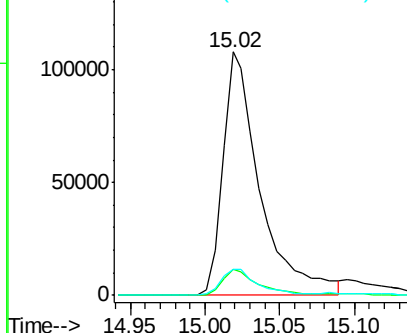
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 15.02 min Scan# 2224  
Delta R.T. -0.01 min  
Lab File: BF095293.D  
Acq: 20 May 2017 8:51

Instrument :  
BNA\_F  
ClientSampled :  
MH-9

Tgt Ion:188 Resp: 187919  
Ion Ratio Lower Upper  
188 100  
94 10.4 9.4 14.2  
80 10.9 10.2 15.2

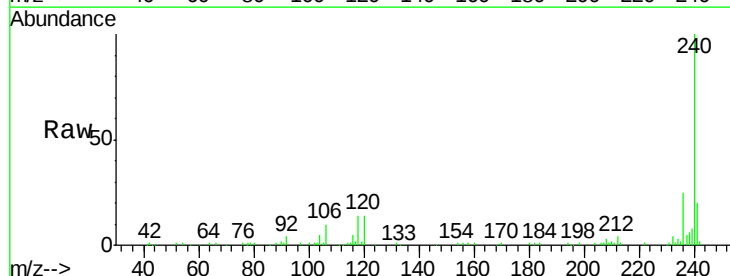


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

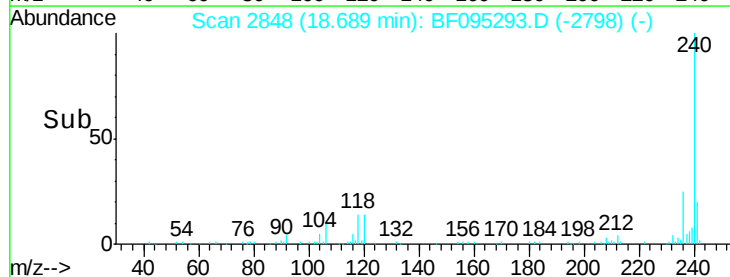
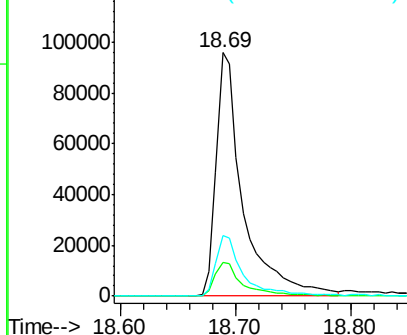


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.69 min Scan# 2848  
Delta R.T. -0.01 min  
Lab File: BF095293.D  
Acq: 20 May 2017 8:51

Tgt Ion:240 Resp: 155964  
Ion Ratio Lower Upper  
240 100  
120 13.9 5.8 8.8#  
236 25.1 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

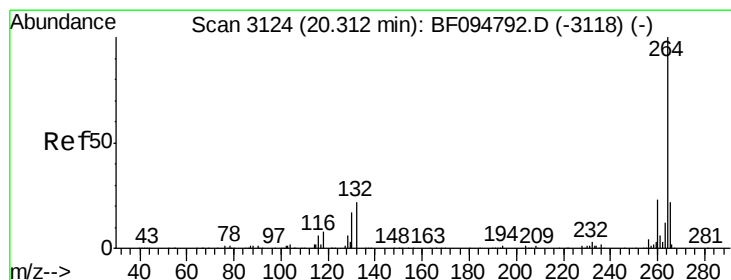
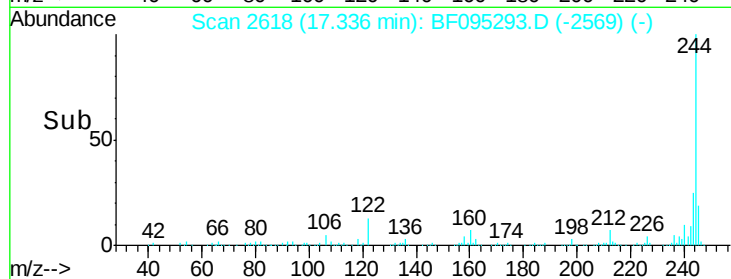
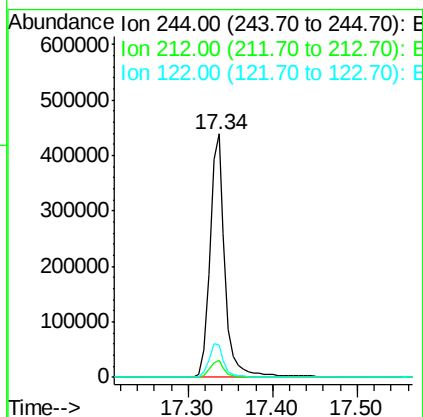
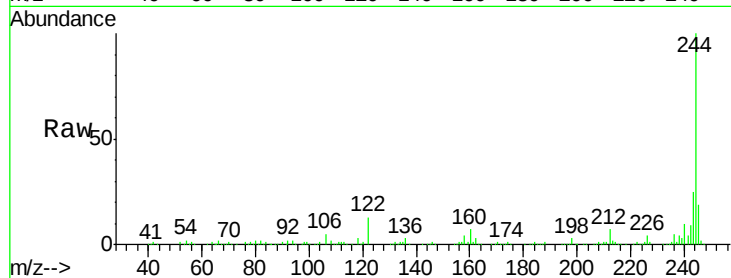




#78  
 Terphenyl-d14  
 Concen: 77.76 ng  
 RT: 17.34 min Scan# 2618  
 Delta R.T. -0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Instrument :  
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Tgt Ion:244 Resp: 550645  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 13.3 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.37 min Scan# 3134  
 Delta R.T. 0.01 min  
 Lab File: BF095293.D  
 Acq: 20 May 2017 8:51

Tgt Ion:264 Resp: 95623  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 19.5 29.3  
 265 20.3 17.2 25.8

