

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\  
 Data File : BF112838.D  
 Acq On : 4 Mar 2019 21:34  
 Operator : JU/SJ  
 Sample : K1714-18  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-D-5-8

Quant Time: Mar 05 02:56:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 160772   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.03  | 136  | 614907   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.77  | 164  | 273617   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.26 | 188  | 502489   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12            | 13.89 | 240  | 385534   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12            | 15.30 | 264  | 277436   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 346381   | 33.51 | ng    | 0.00     |
| 7) Phenol-d6                | 6.37  | 99   | 512674   | 39.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 283891   | 27.63 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 159659   | 54.96 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 668608   | 34.39 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.84 | 244  | 688332   | 34.61 | ng    | 0.01     |

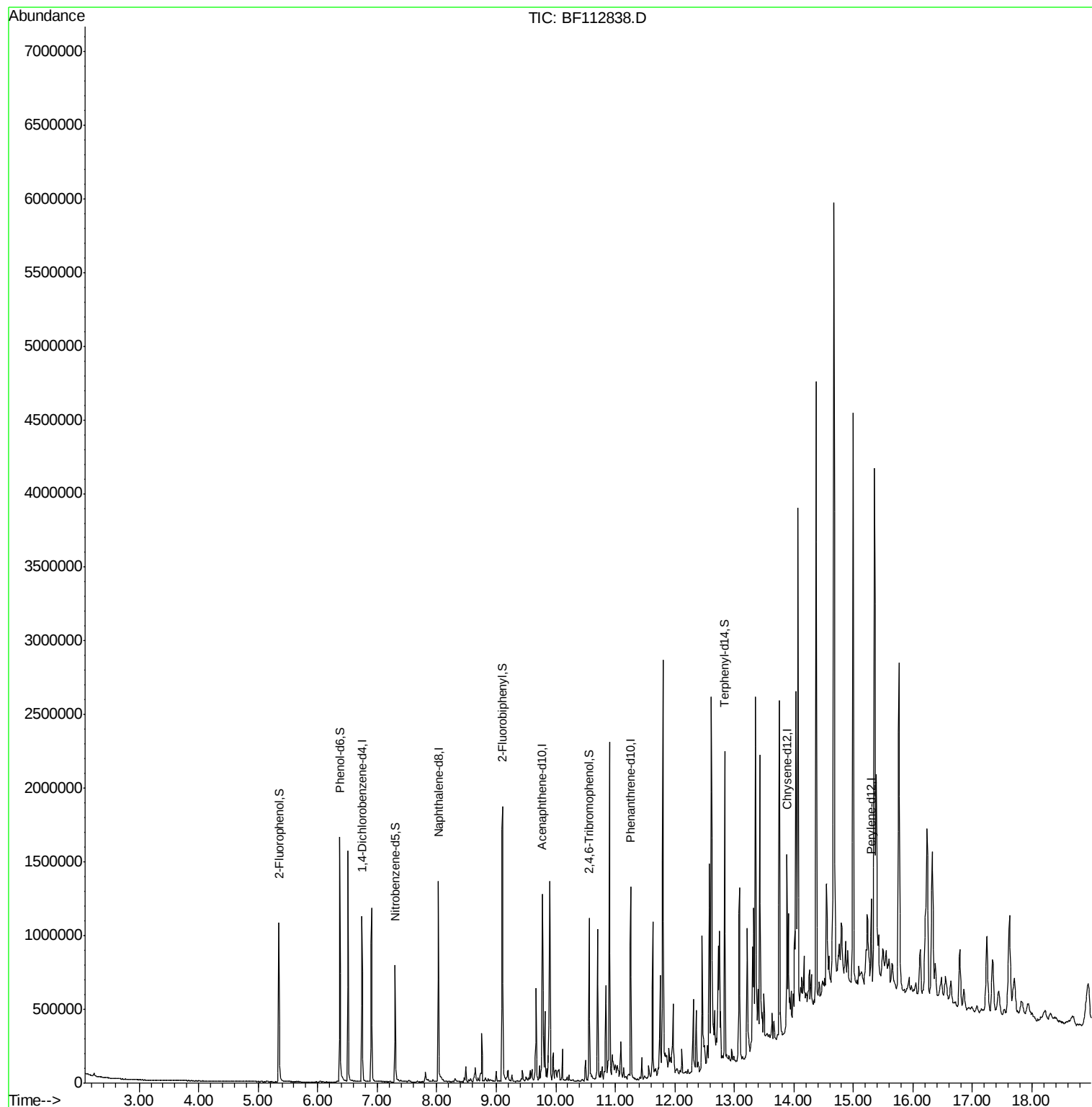
Target Compounds Qvalue

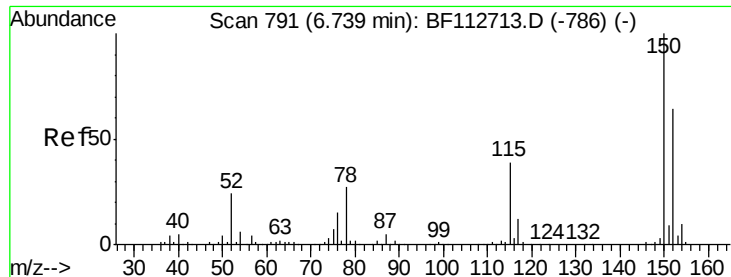
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 01 15:40:43 2019  
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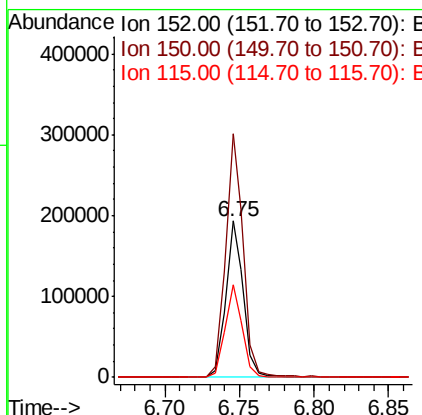
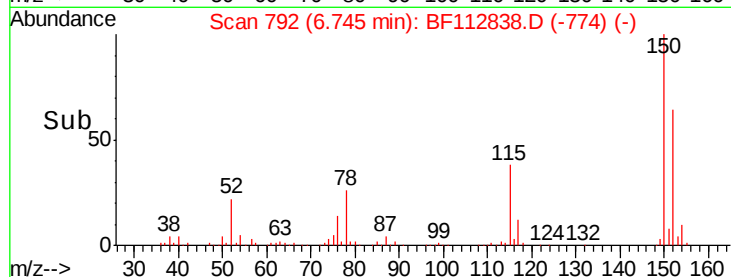
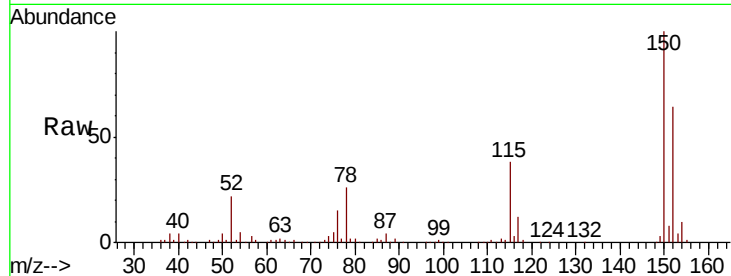


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF112838.D  
Acq: 4 Mar 2019 21:34

Instrument :  
BNA\_F  
ClientSampleId :  
SB-D-5-8

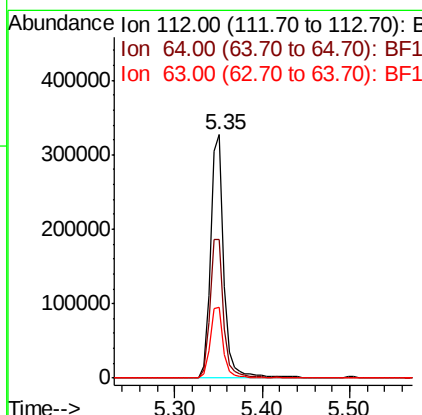
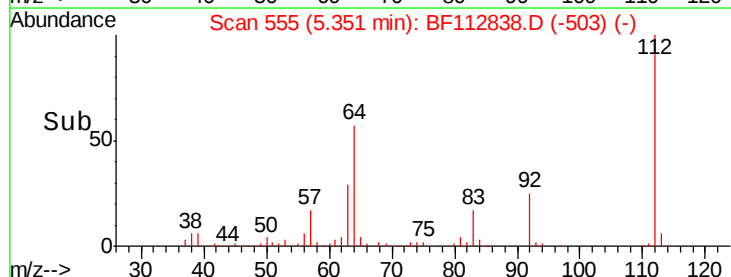
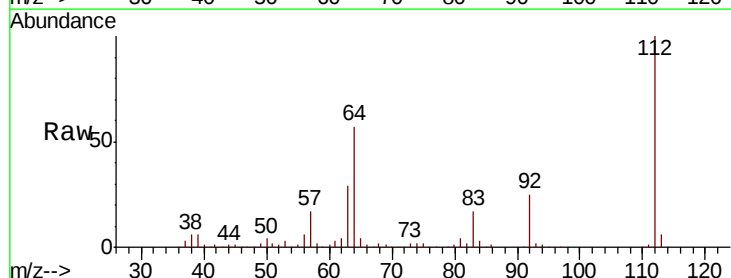
Tot Ion:152 Resp: 160772  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.2 186.2  
115 59.1 48.2 72.4

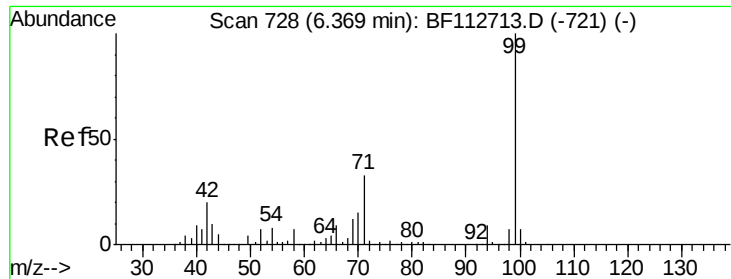


#5

2-Fluorophenol  
Concen: 33.514 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF112838.D  
Acq: 4 Mar 2019 21:34

Tgt Ion:112 Resp: 346381  
Ion Ratio Lower Upper  
112 100  
64 57.0 47.6 71.4  
63 29.0 24.4 36.6





#7

Phenol-d6

Concen: 39.488 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

Instrument :

BNA\_F

ClientSampleId :

SB-D-5-8

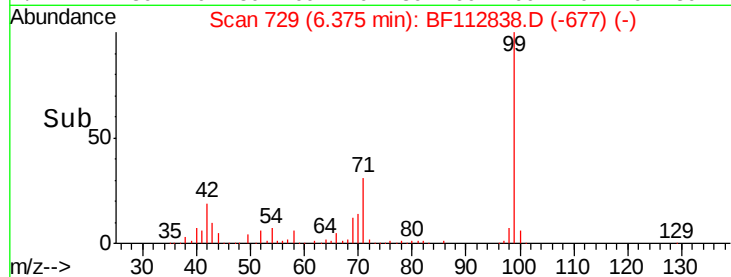
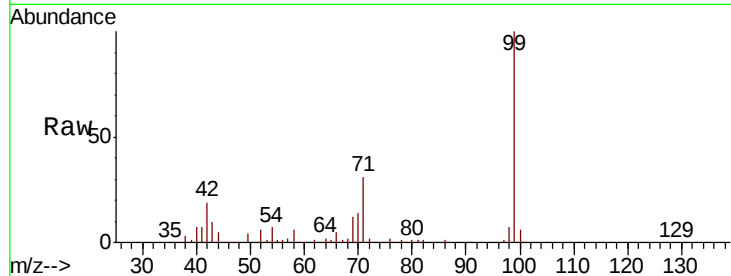
Tot Ion: 99 Resp: 512674

Ion Ratio Lower Upper

99 100

42 18.6 16.3 24.5

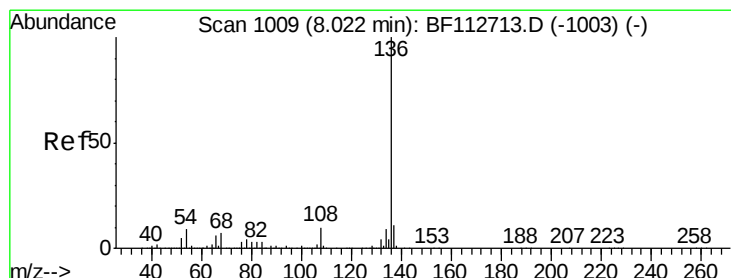
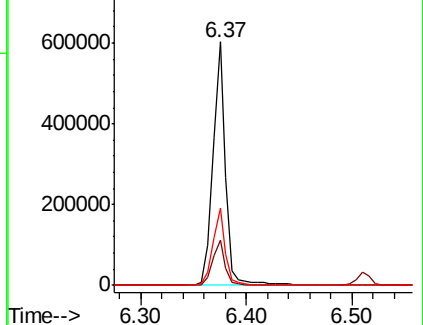
71 31.5 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

Tgt Ion: 136 Resp: 614907

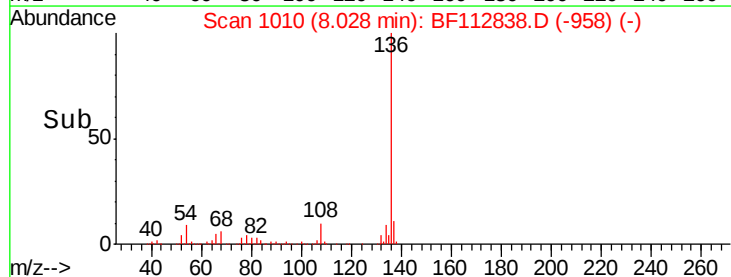
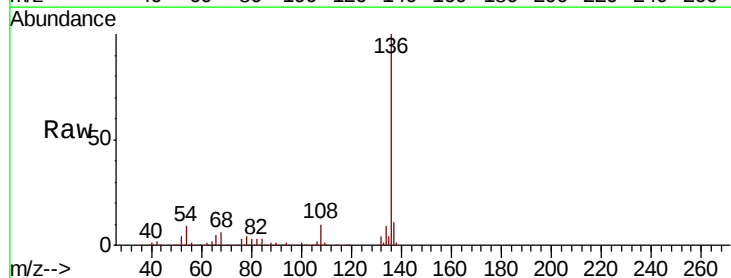
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.5 7.3 10.9

68 6.1 5.4 8.2

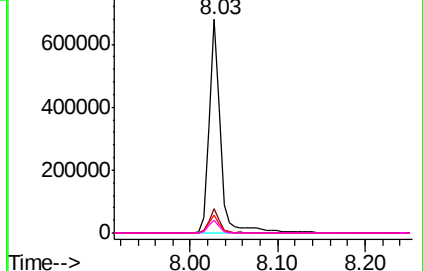


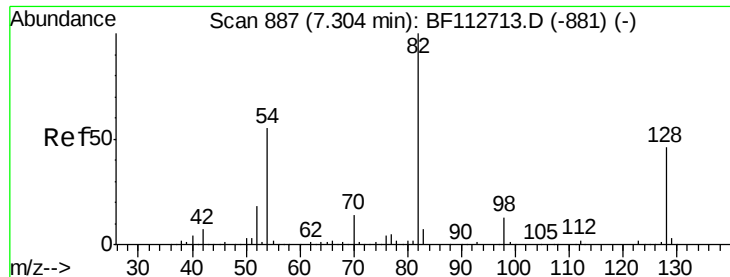
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

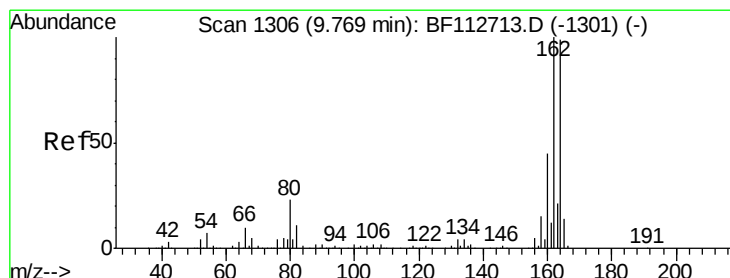
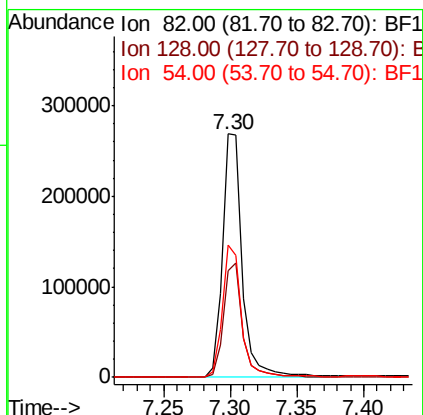
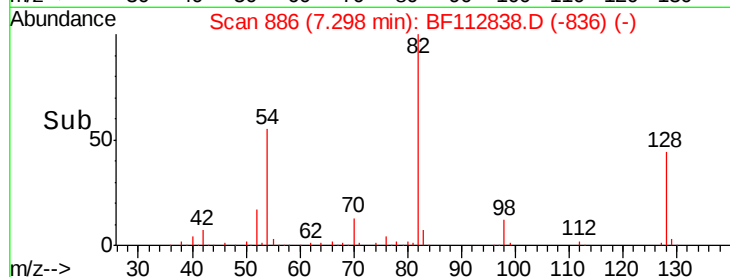
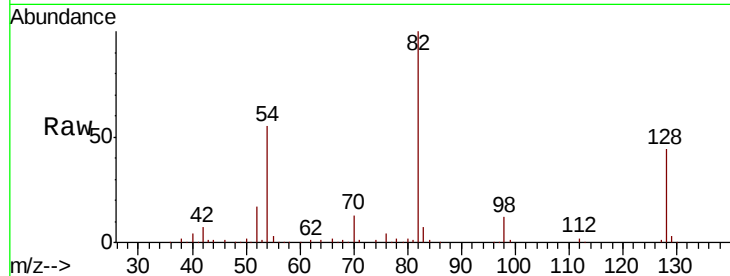




#23  
 Nitrobenzene-d5  
 Concen: 27.626 ng  
 RT: 7.30 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF112838.D  
 Acq: 4 Mar 2019 21:34

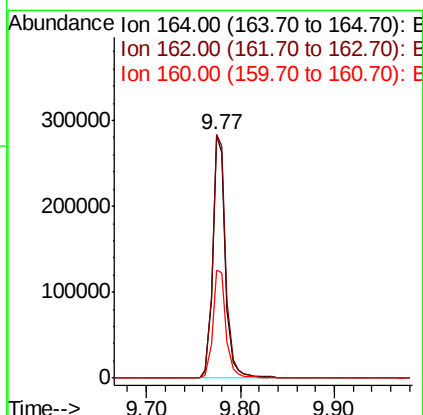
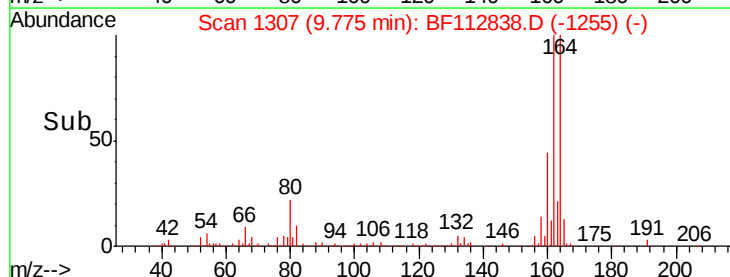
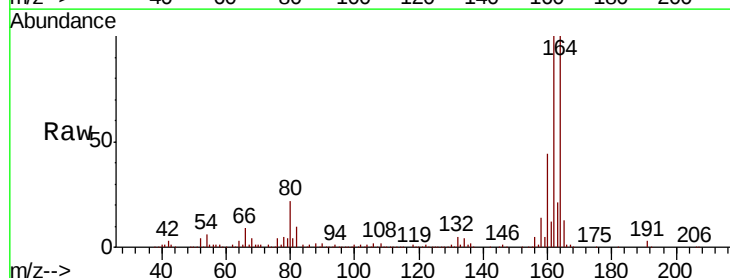
Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-D-5-8

Tot Ion: 82 Resp: 283891  
 Ion Ratio Lower Upper  
 82 100  
 128 43.8 36.3 54.5  
 54 54.5 43.7 65.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. 0.01 min  
 Lab File: BF112838.D  
 Acq: 4 Mar 2019 21:34

Tgt Ion:164 Resp: 273617  
 Ion Ratio Lower Upper  
 164 100  
 162 100.5 80.6 120.8  
 160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 54.964 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

Instrument :

BNA\_F

ClientSampleId :

SB-D-5-8

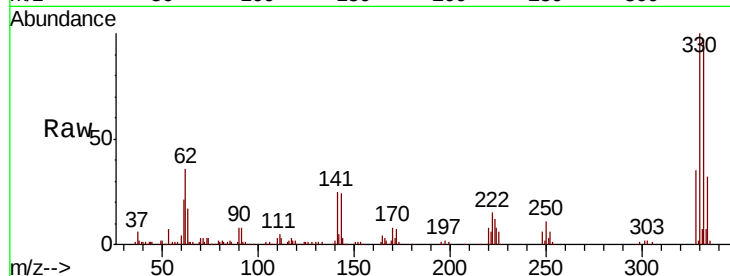
Tot Ion:330 Resp: 159659

Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.4

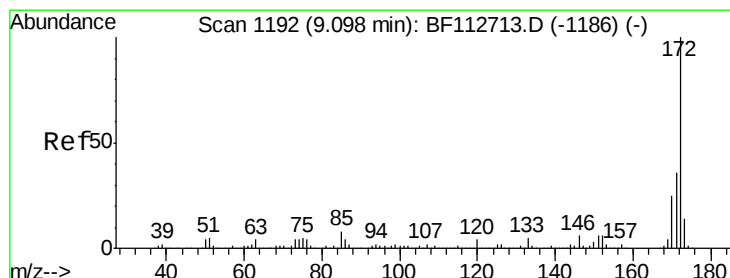
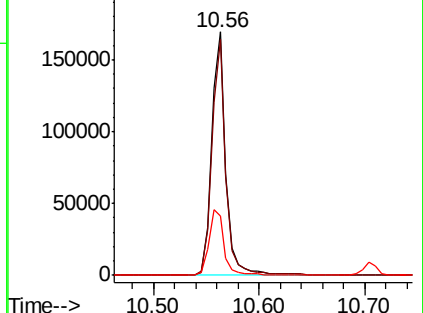
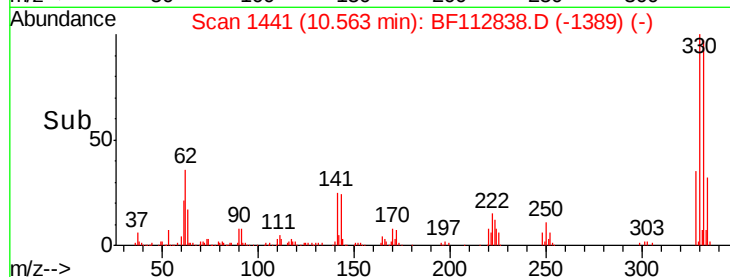
141 29.1 27.0 40.6



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



#45

2-Fluorobiphenyl

Concen: 34.392 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

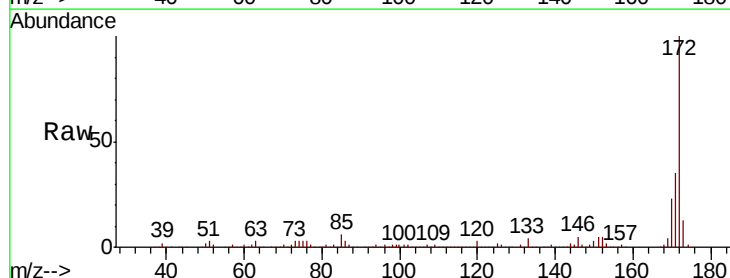
Tgt Ion:172 Resp: 668608

Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.4

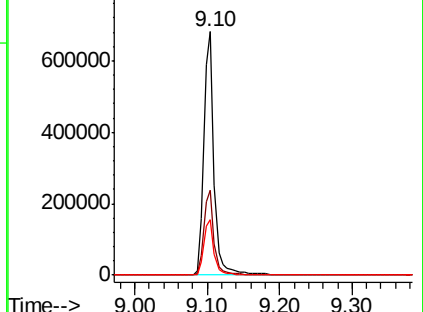
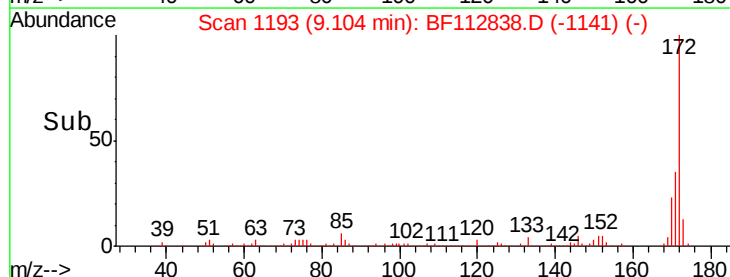
170 23.0 20.0 30.0

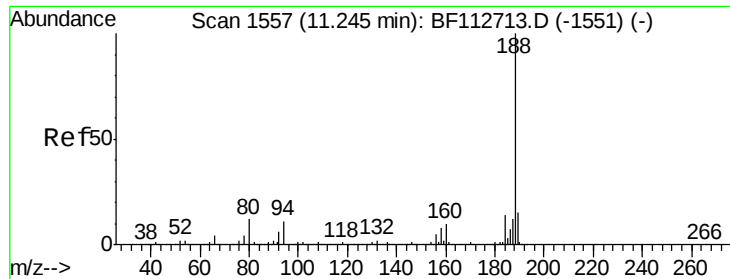


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

Instrument :

BNA\_F

ClientSampleId :

SB-D-5-8

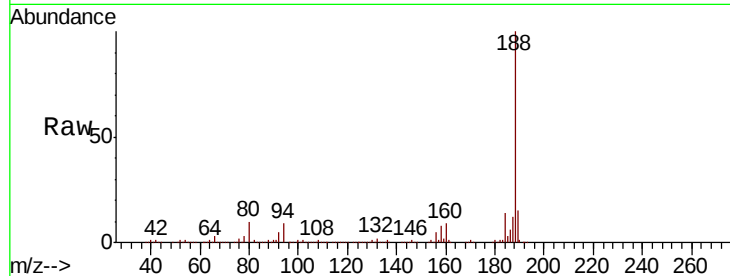
Tot Ion:188 Resp: 502489

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.4

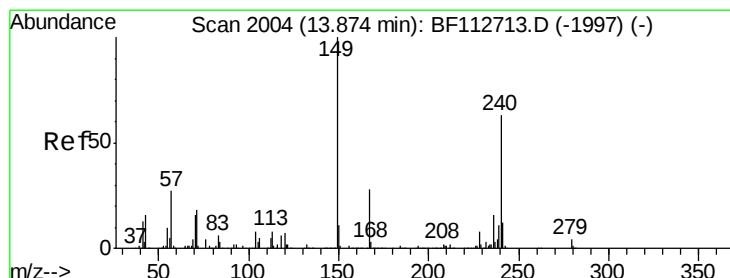
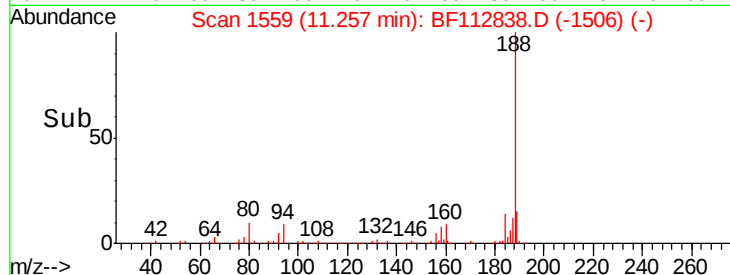
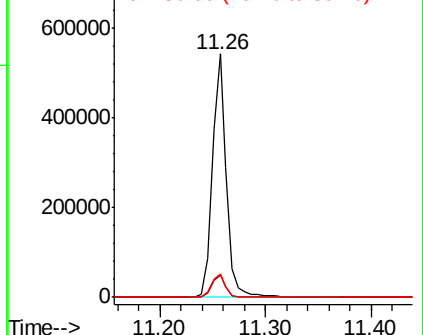
80 9.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF112838.D

Acq: 4 Mar 2019 21:34

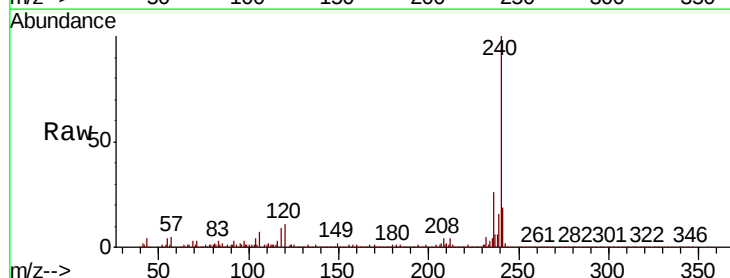
Tgt Ion:240 Resp: 385534

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

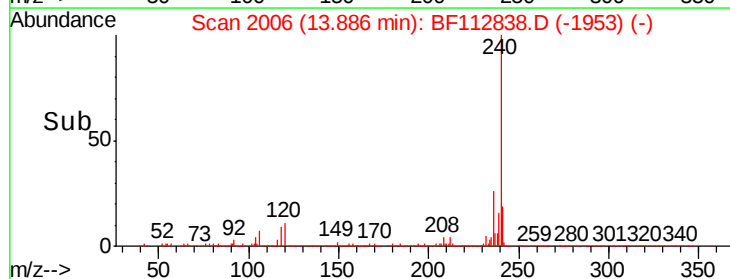
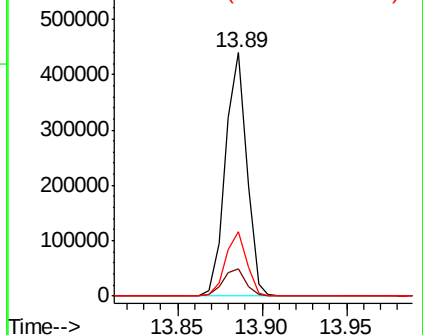
236 26.4 20.7 31.1

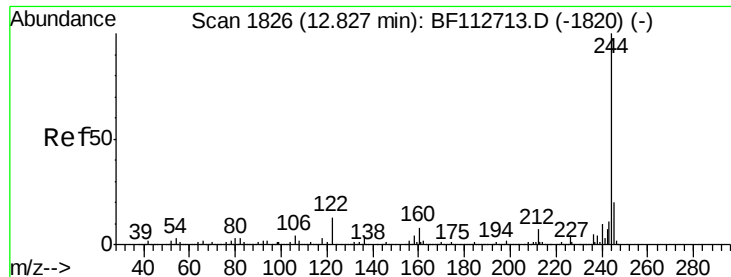


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

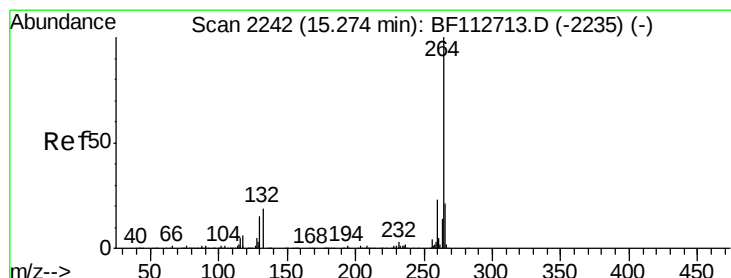
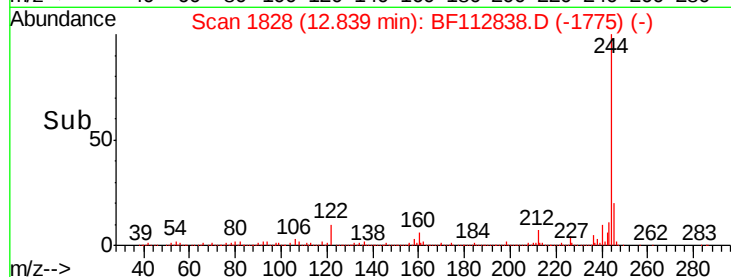
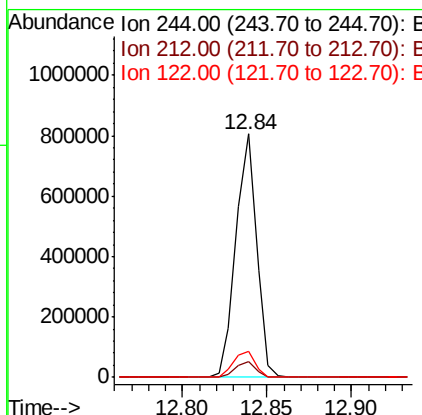
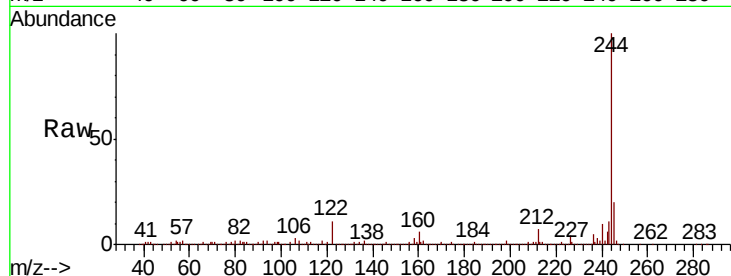




#79  
 Terphenyl-d14  
 Concen: 34.610 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: BF112838.D  
 Acq: 4 Mar 2019 21:34

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-D-5-8

Tot Ion:244 Resp: 688332  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.6 8.4  
 122 10.5 10.5 15.7



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.30 min Scan# 2246  
 Delta R.T. 0.02 min  
 Lab File: BF112838.D  
 Acq: 4 Mar 2019 21:34

Tgt Ion:264 Resp: 277436  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.7 28.1  
 265 21.8 17.2 25.8

