

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032019\  
 Data File : BF113183.D  
 Acq On : 20 Mar 2019 20:57  
 Operator : JU/SJ  
 Sample : K1971-07 10X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14(9-11)-031519

Quant Time: Mar 21 15:28:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 21 12:13:22 2019  
 Response via : Initial Calibration

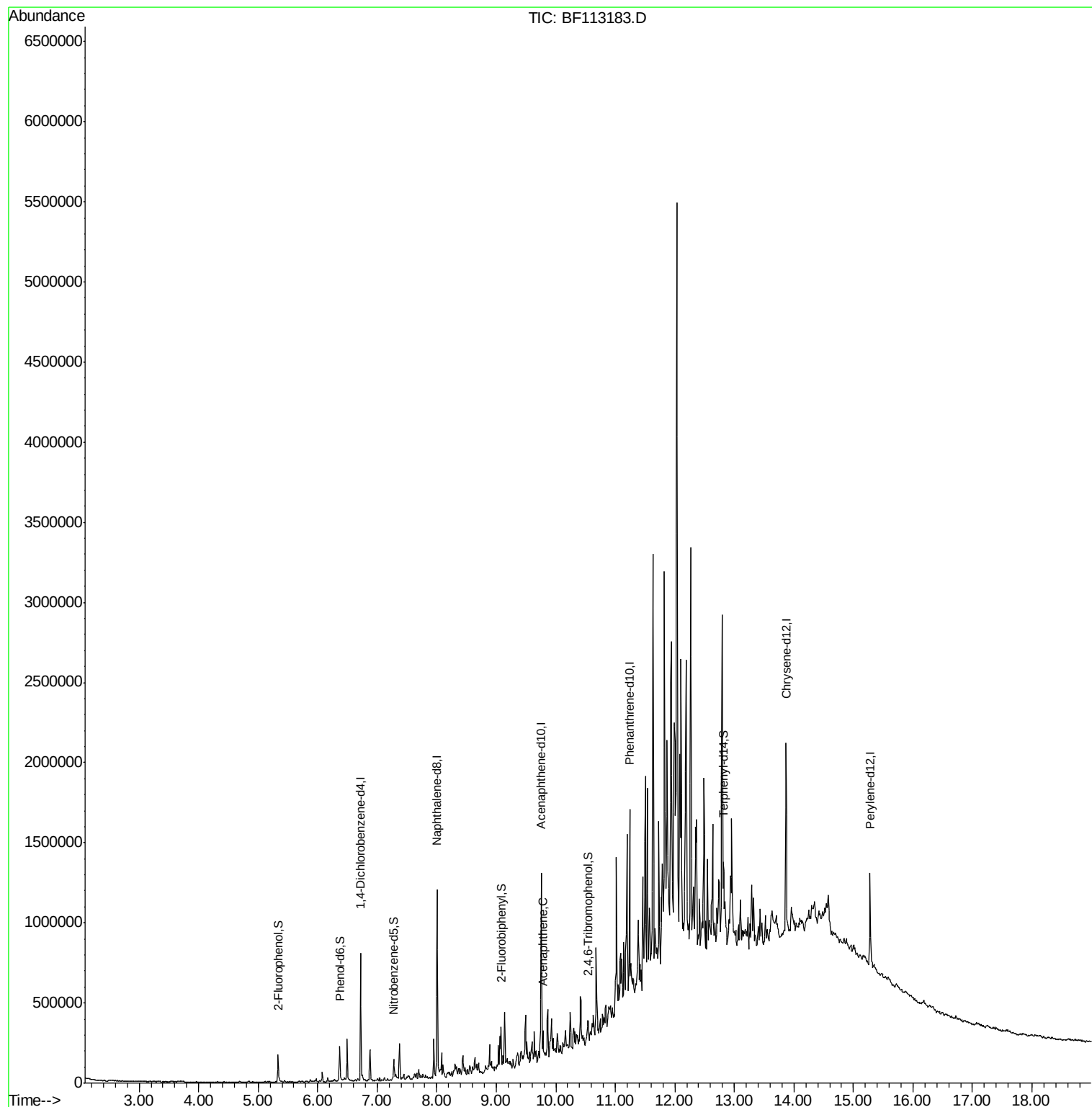
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 112633   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.00  | 136  | 501944   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.76  | 164  | 211021   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.24 | 188  | 434980   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 13.87 | 240  | 410020   | 20.00 | ng    | 0.00      |
| 87) Perylene-d12            | 15.28 | 264  | 276921   | 20.00 | ng    | 0.01      |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.33  | 112  | 60038    | 8.29  | ng    | 0.00      |
| 7) Phenol-d6                | 6.37  | 99   | 86015    | 9.46  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 52768    | 6.29  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 21911    | 9.78  | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 90039    | 4.30  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.82 | 244  | 106049   | 5.01  | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 52) Acenaphthene            | 9.79  | 154  | 30261    | 2.268 | ng    | Qvalue 98 |

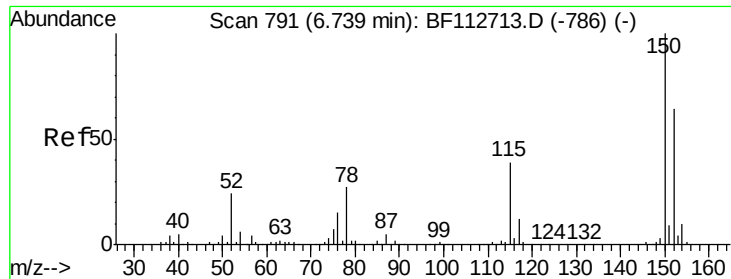
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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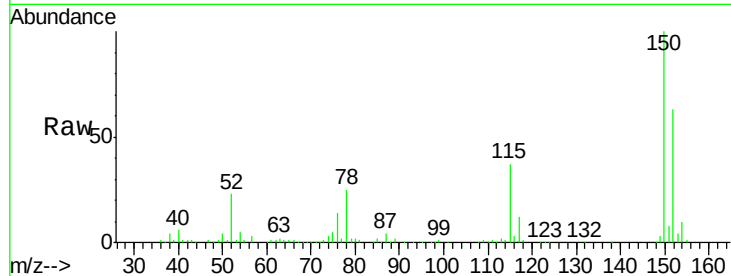


#1

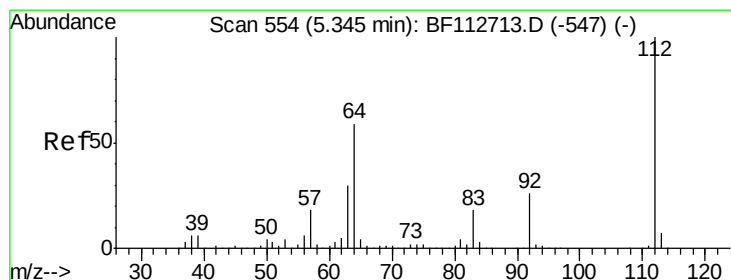
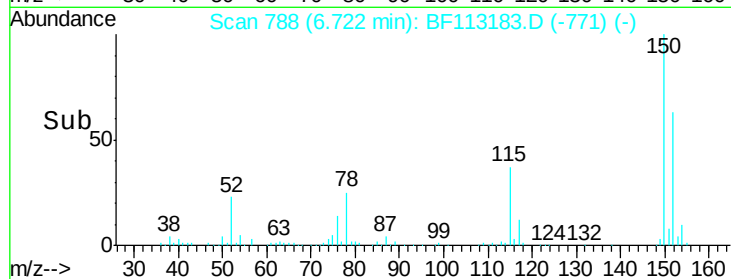
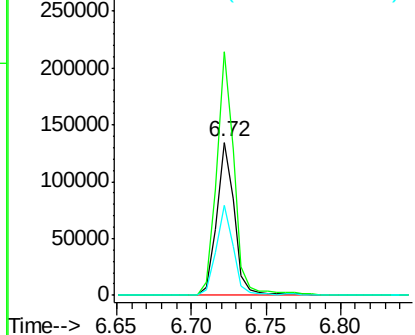
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. -0.00 min  
 Lab File: BF113183.D  
 Acq: 20 Mar 2019 20:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14(9-11)-031519

Tgt Ion:152 Resp: 112633  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 123.0 184.6  
 115 58.9 45.9 68.9



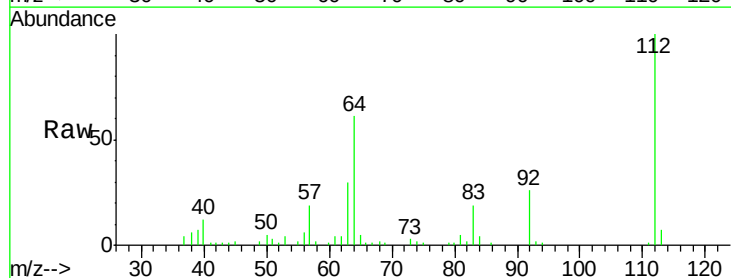
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



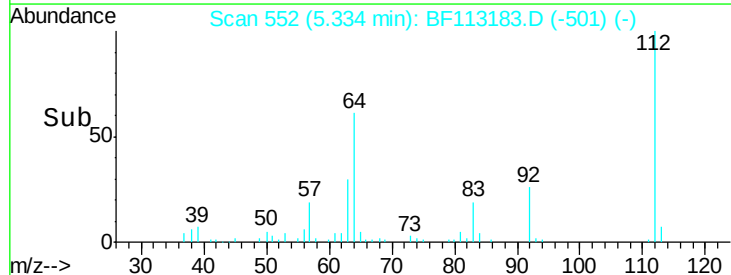
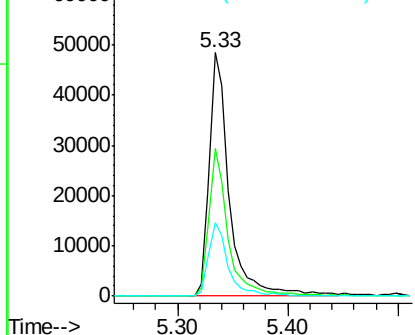
#5

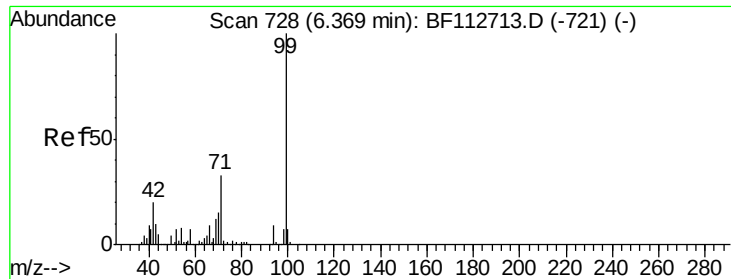
2-Fluorophenol  
 Concen: 8.292 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. -0.00 min  
 Lab File: BF113183.D  
 Acq: 20 Mar 2019 20:57

Tgt Ion:112 Resp: 60038  
 Ion Ratio Lower Upper  
 112 100  
 64 60.6 49.3 73.9  
 63 30.3 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.457 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113183.D

Acq: 20 Mar 2019 20:57

Instrument :

BNA\_F

ClientSampleId :

SB-14(9-11)-031519

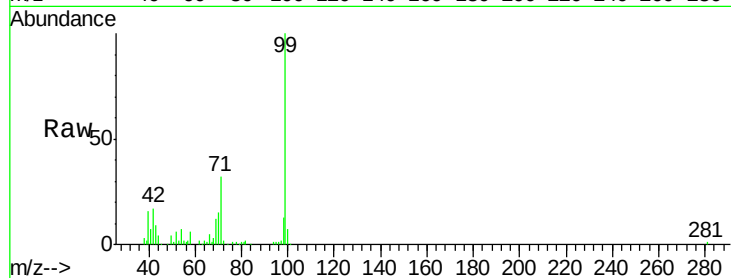
Tgt Ion: 99 Resp: 86015

Ion Ratio Lower Upper

99 100

42 17.4 15.2 22.8

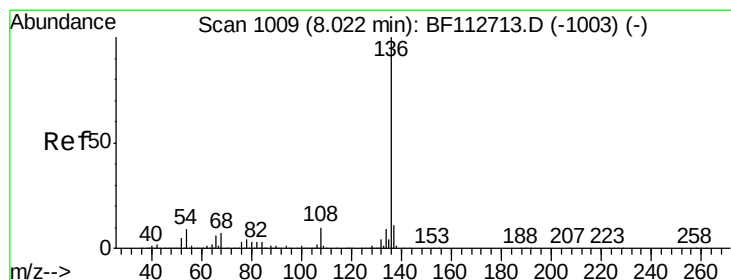
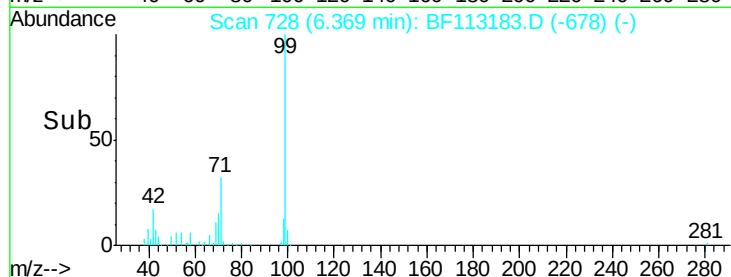
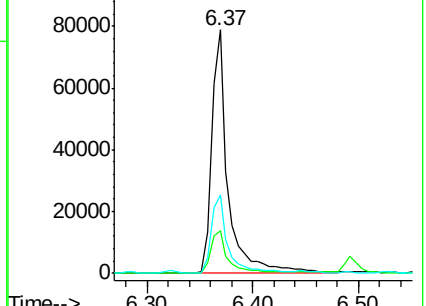
71 32.2 25.7 38.5



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: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF113183.D

Acq: 20 Mar 2019 20:57

Tgt Ion: 136 Resp: 501944

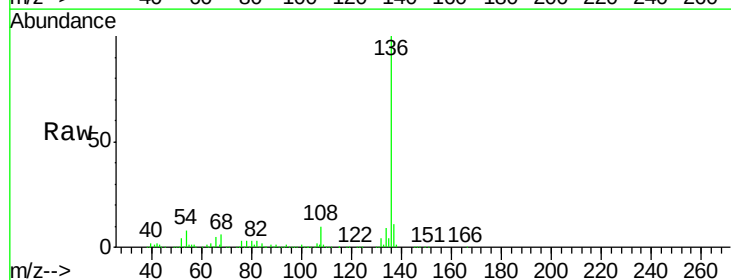
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.2 7.0 10.6

68 6.0 5.0 7.4

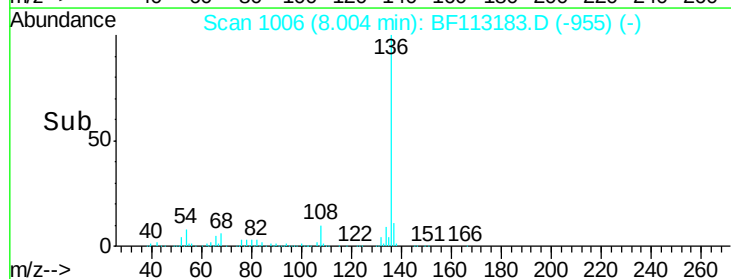
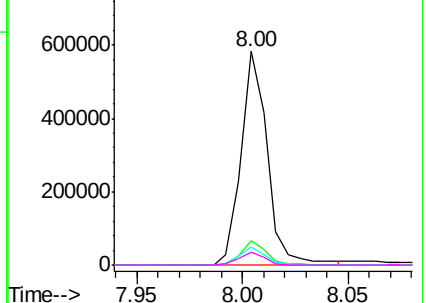


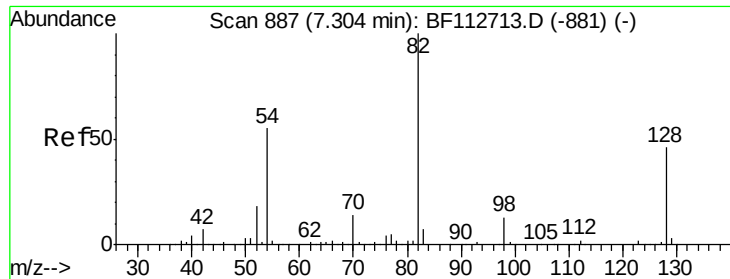
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

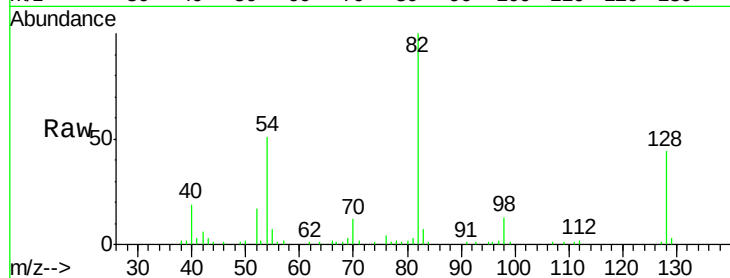




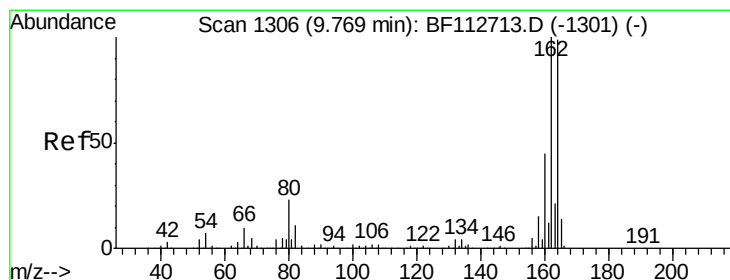
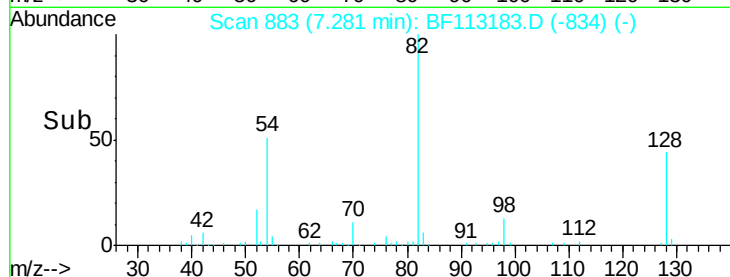
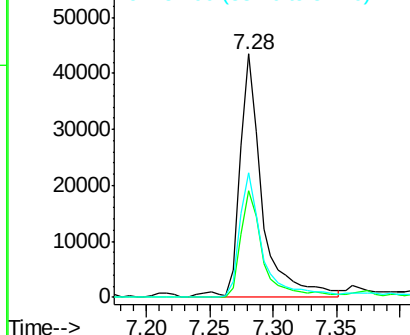
#23  
Nitrobenzene-d5  
Concen: 6.291 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF113183.D  
Acq: 20 Mar 2019 20:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-14(9-11)-031519

Tgt Ion: 82 Resp: 52768  
Ion Ratio Lower Upper  
82 100  
128 43.6 37.9 56.9  
54 51.1 41.2 61.8

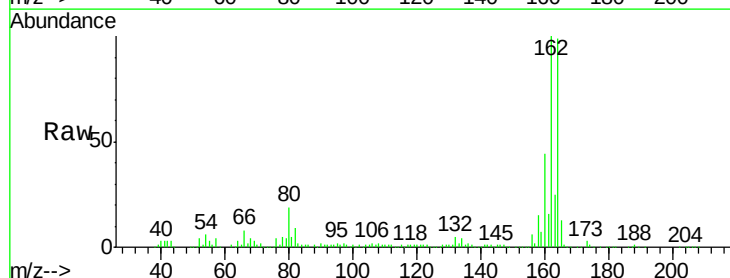


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

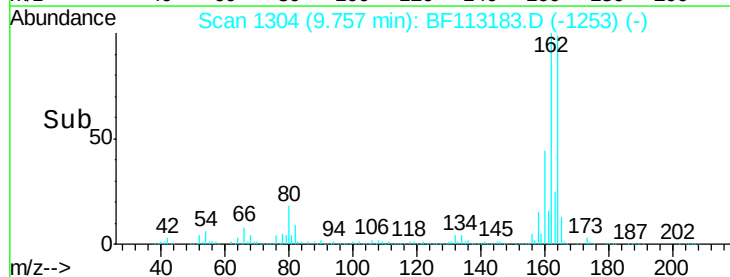
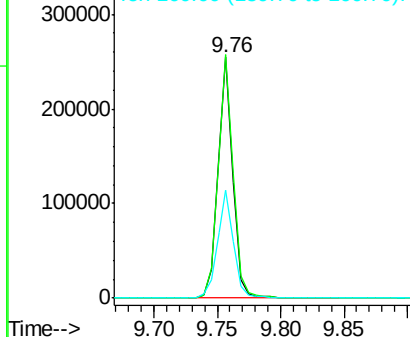


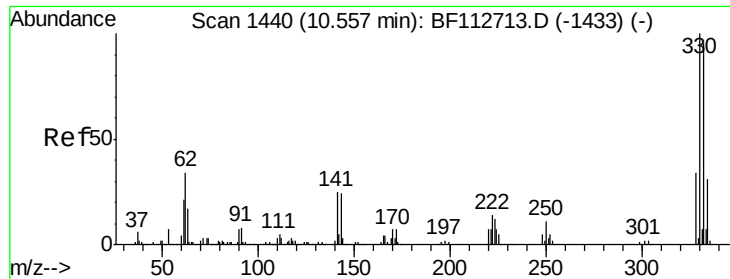
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: BF113183.D  
Acq: 20 Mar 2019 20:57

Tgt Ion: 164 Resp: 211021  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.8 121.2  
160 44.8 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

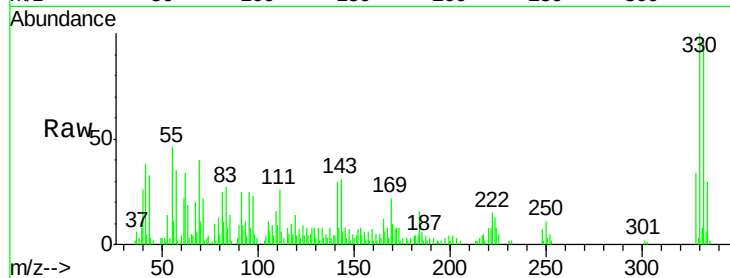




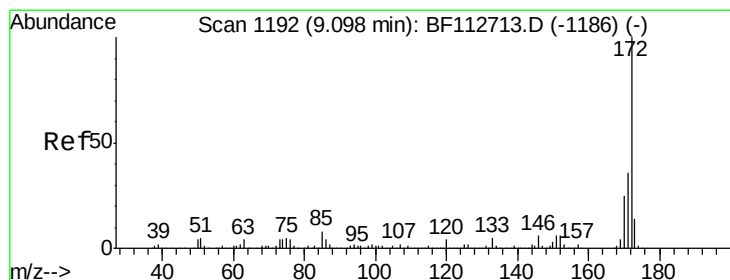
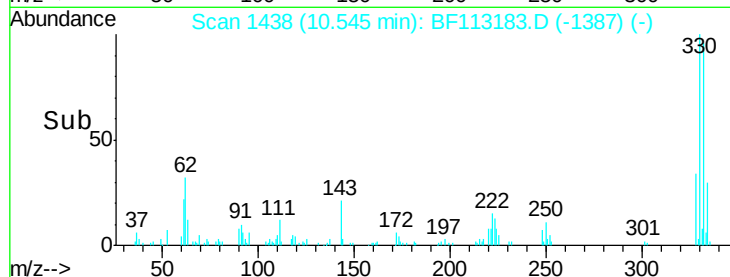
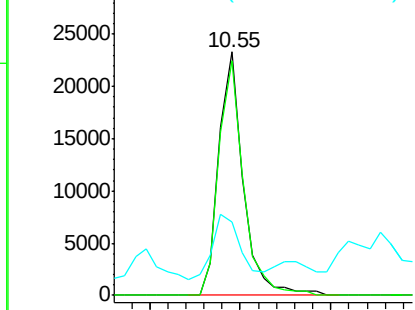
#42  
 2,4,6-Tribromophenol  
 Concen: 9.781 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BF113183.D  
 Acq: 20 Mar 2019 20:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14(9-11)-031519

Tgt Ion:330 Resp: 21911  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.3 114.5  
 141 30.5 22.3 33.5

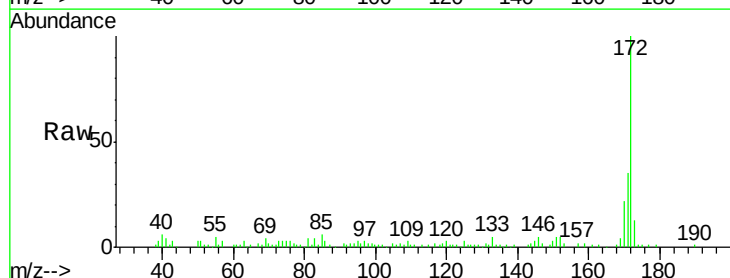


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

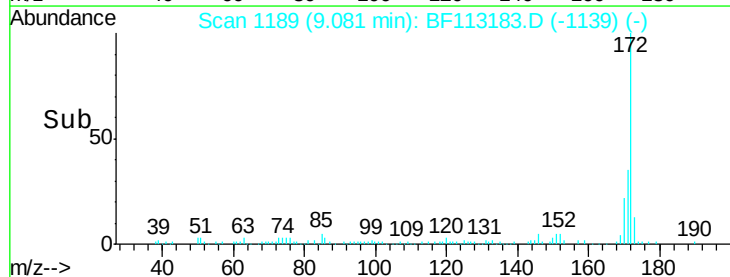
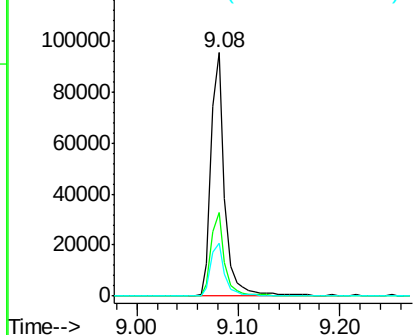


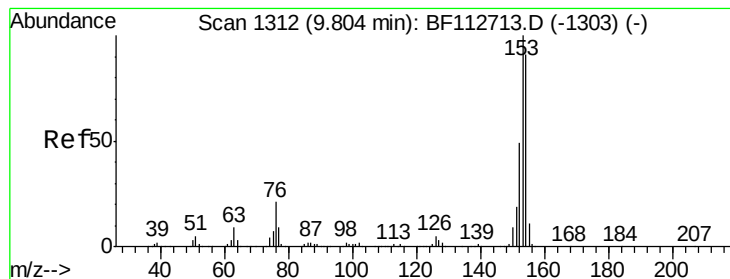
#45  
 2-Fluorobiphenyl  
 Concen: 4.300 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF113183.D  
 Acq: 20 Mar 2019 20:57

Tgt Ion:172 Resp: 90039  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 29.0 43.4  
 170 21.8 20.1 30.1



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





#52

Acenaphthene

Concen: 2.268 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF113183.D

Acq: 20 Mar 2019 20:57

Instrument :

BNA\_F

ClientSampleId :

SB-14(9-11)-031519

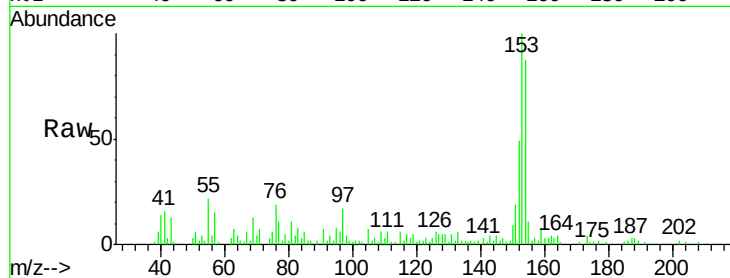
Tgt Ion:154 Resp: 30261

Ion Ratio Lower Upper

154 100

153 115.1 89.9 134.9

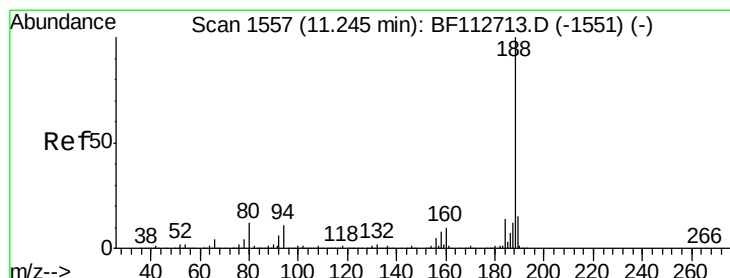
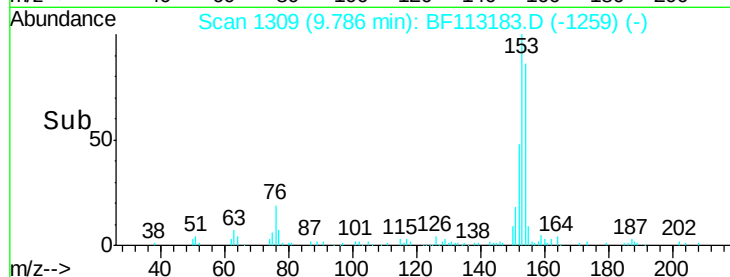
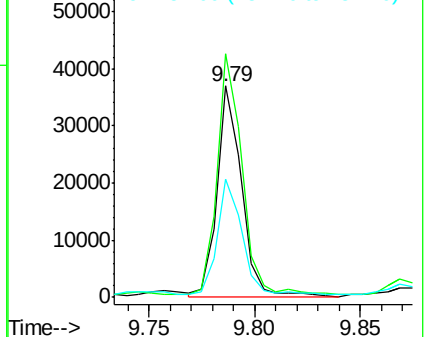
152 55.9 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF113183.D

Acq: 20 Mar 2019 20:57

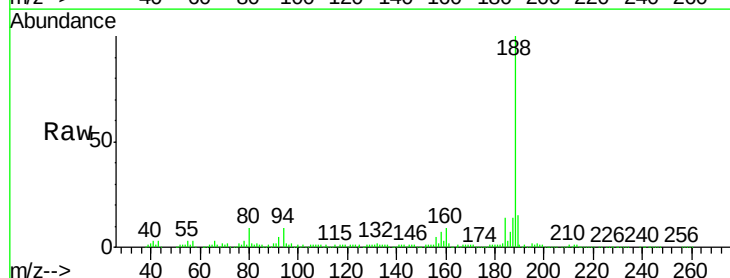
Tgt Ion:188 Resp: 434980

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

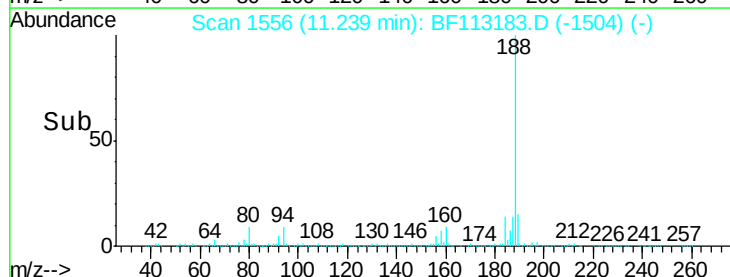
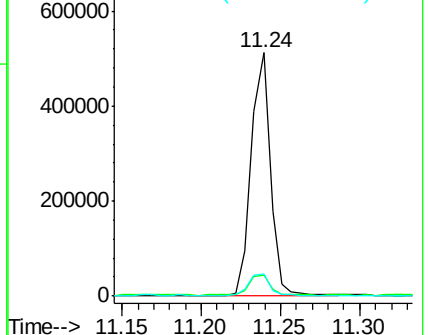
80 9.2 7.9 11.9

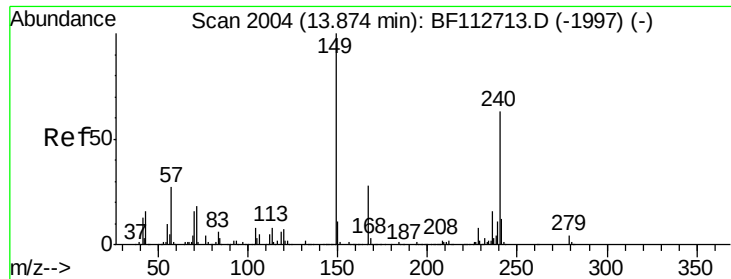


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

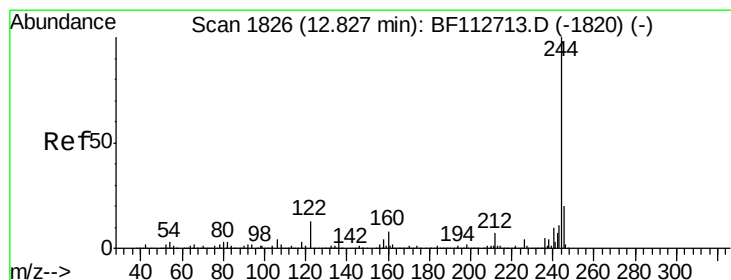
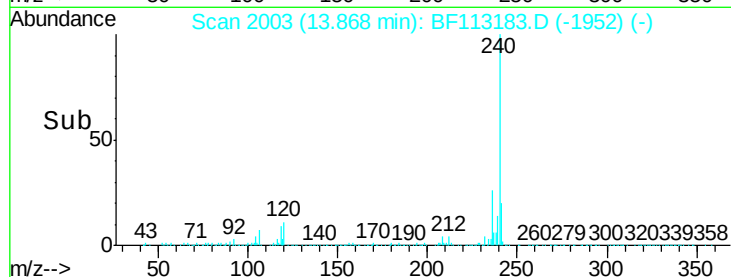
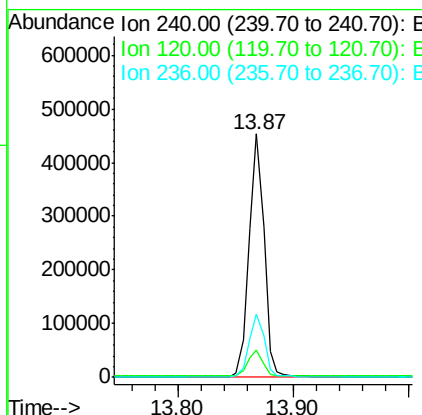
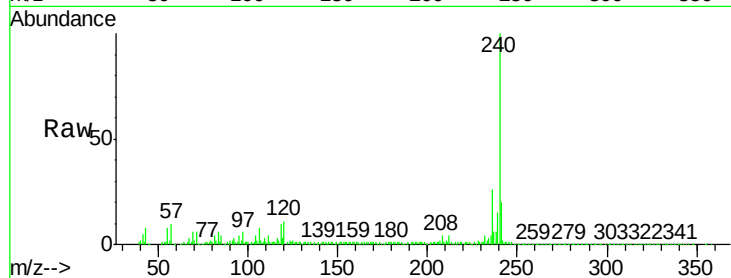




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.00 min  
Lab File: BF113183.D  
Acq: 20 Mar 2019 20:57

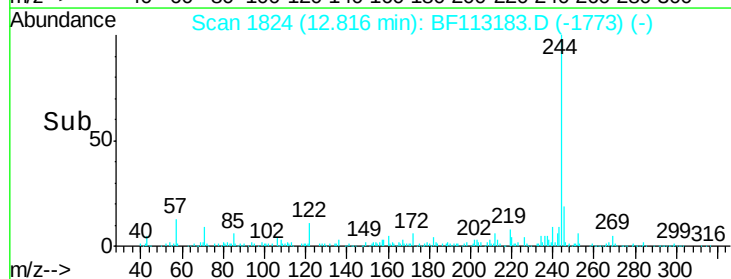
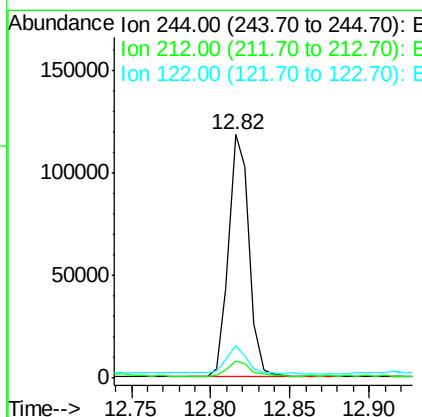
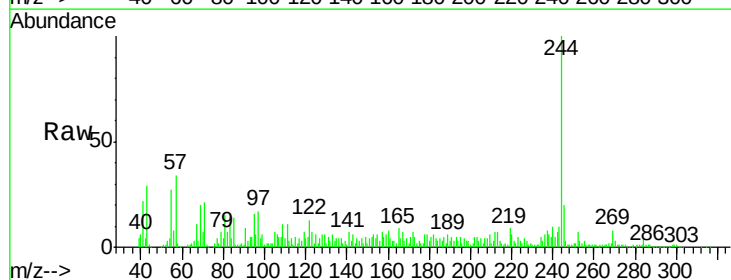
Instrument :  
BNA\_F  
ClientSampleId :  
SB-14(9-11)-031519

Tgt Ion:240 Resp: 410020  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.6 12.8  
236 26.0 21.2 31.8

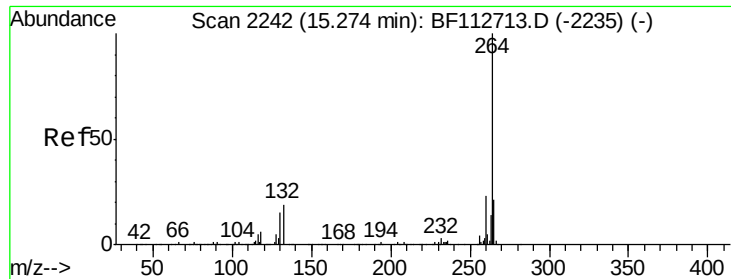


#79  
Terphenyl-d14  
Concen: 5.014 ng  
RT: 12.82 min Scan# 1824  
Delta R.T. -0.00 min  
Lab File: BF113183.D  
Acq: 20 Mar 2019 20:57

Tgt Ion:244 Resp: 106049  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.7 8.5  
122 13.1 9.4 14.2



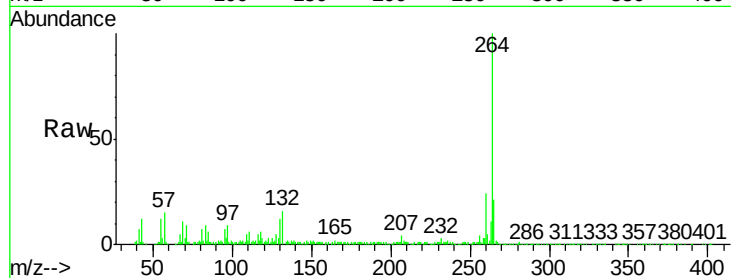




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. 0.01 min  
Lab File: BF113183.D  
Acq: 20 Mar 2019 20:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-14(9-11)-031519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.3  | 17.7  | 26.5  |



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

