

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\  
 Data File : BF113446.D  
 Acq On : 30 Mar 2019 7:49  
 Operator : JU/SJ  
 Sample : K2139-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S7B(12-20)COMP

Quant Time: Apr 01 04:21:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 147429   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 552568   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.73  | 164  | 255896   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.21 | 188  | 471221   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 473972   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.24 | 264  | 390134   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 990453   | 109.85 | ng    | 0.01     |
| 7) Phenol-d6                | 6.36  | 99   | 1172159  | 102.76 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 827949   | 88.93  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330  | 395687   | 125.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.06  | 172  | 1541110  | 96.85  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.79 | 244  | 1605407  | 74.66  | ng    | 0.00     |

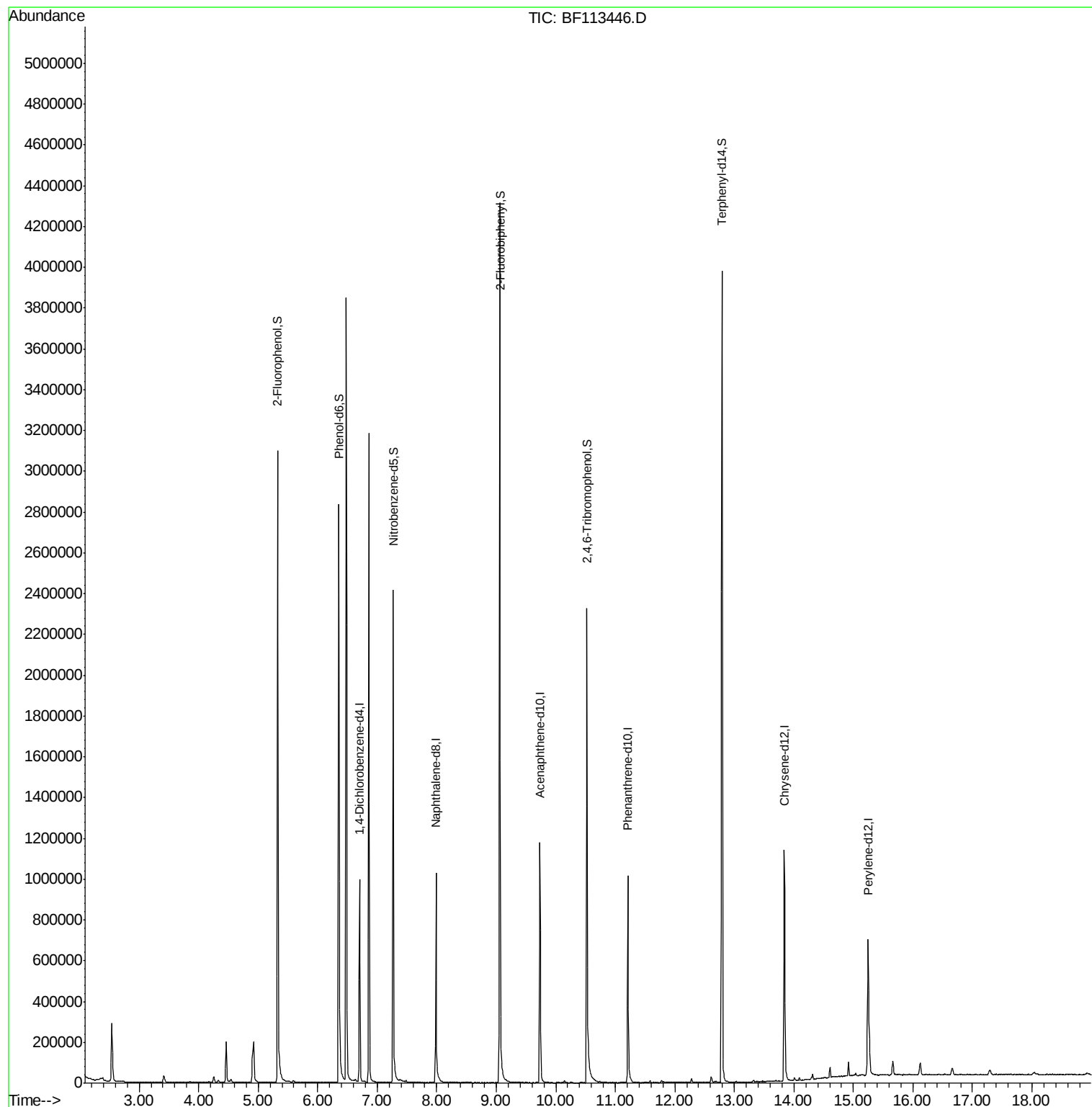
Target Compounds Qvalue

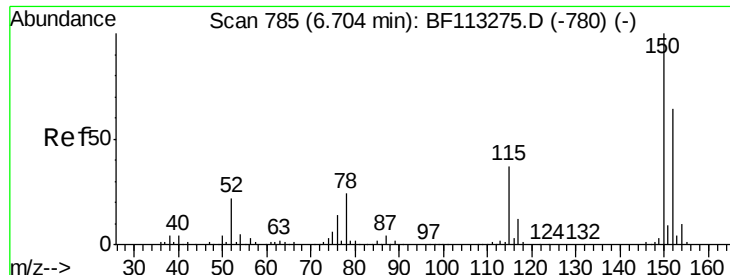
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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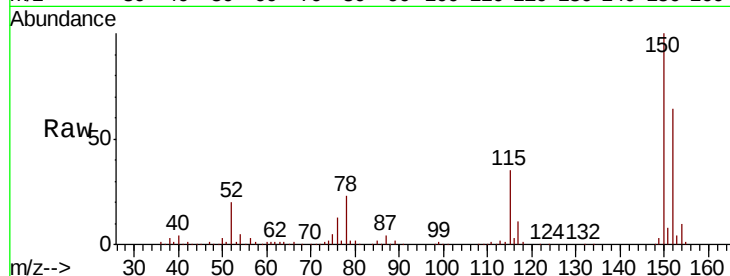


#1

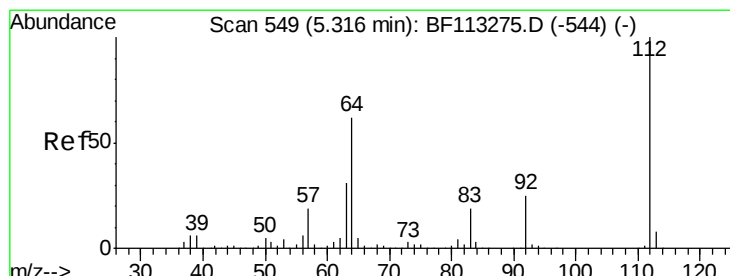
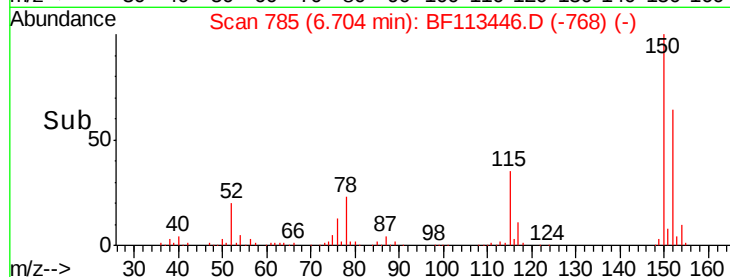
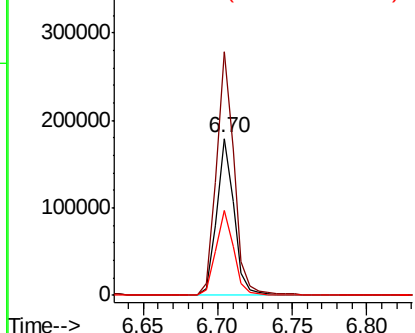
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.00 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

Instrument :  
BNA\_F  
ClientSampleId :  
S7B(12-20)COMP

Tot Ion:152 Resp: 147429  
Ion Ratio Lower Upper  
152 100  
150 155.0 124.7 187.1  
115 54.1 46.0 69.0



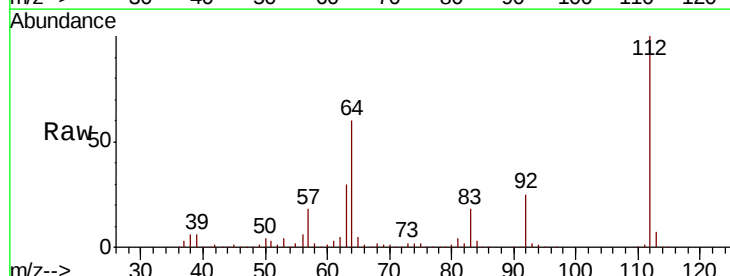
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



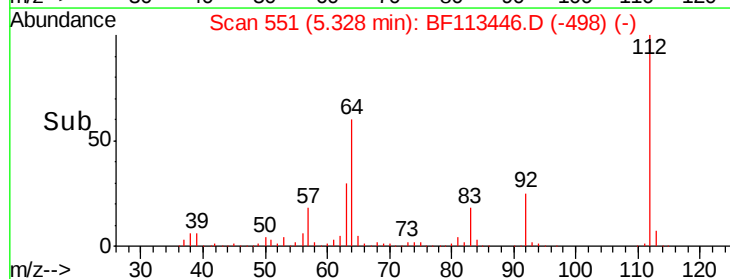
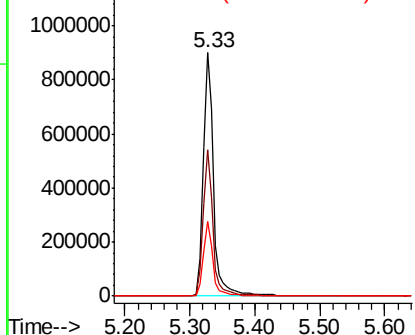
#5

2-Fluorophenol  
Concen: 109.850 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

Tgt Ion:112 Resp: 990453  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 30.5 24.9 37.3



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: 102.765 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113446.D

Acq: 30 Mar 2019 7:49

Instrument :

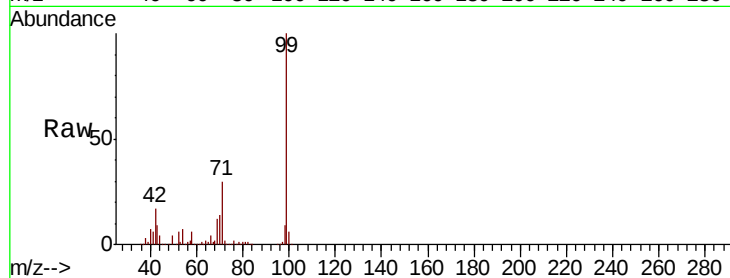
BNA\_F

ClientSampleId :

S7B(12-20)COMP

Tot Ion: 99 Resp: 1172159

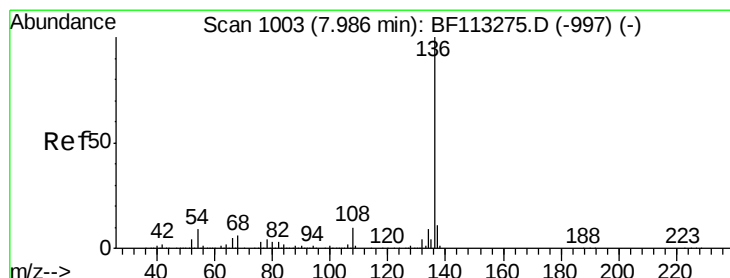
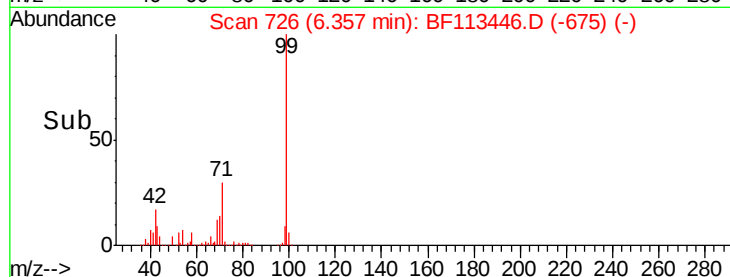
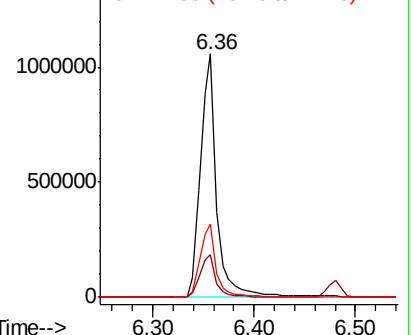
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.3  | 14.8  | 22.2  |
| 71  | 30.3  | 24.9  | 37.3  |



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: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113446.D

Acq: 30 Mar 2019 7:49

Tgt Ion: 136 Resp: 552568

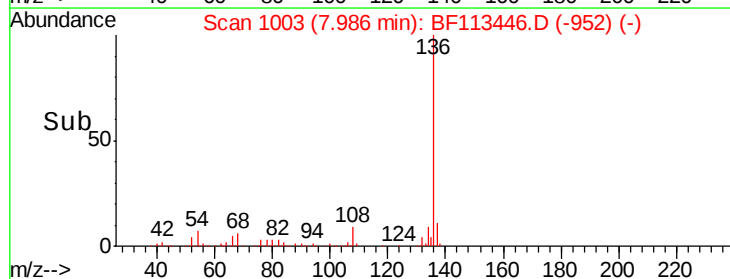
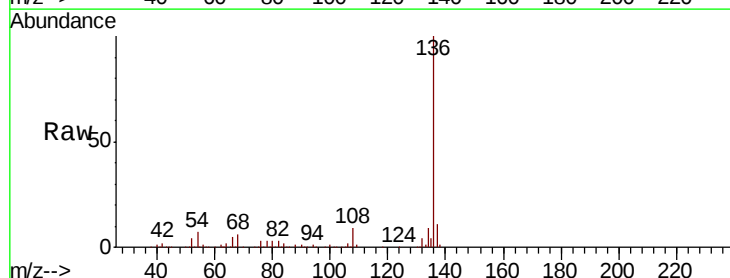
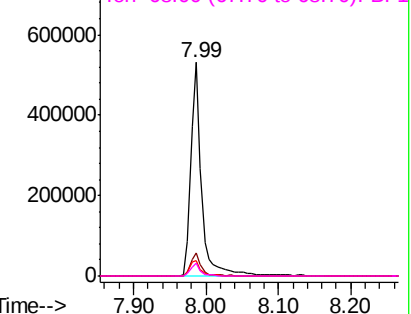
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 7.5   | 7.0   | 10.6  |
| 68  | 6.0   | 4.8   | 7.2   |

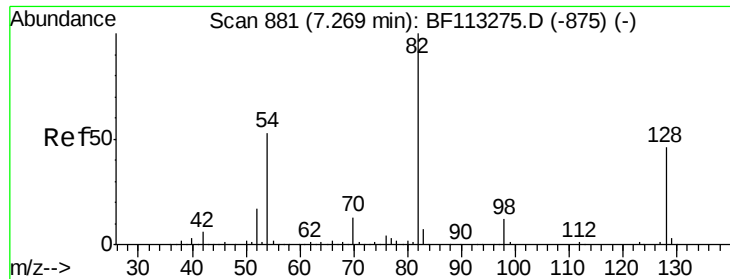
Abundance Ion 136.00 (135.70 to 136.70): E

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

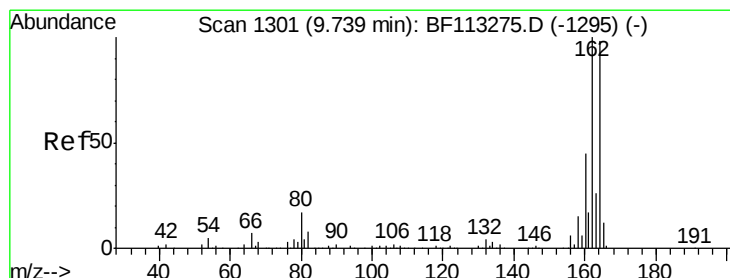
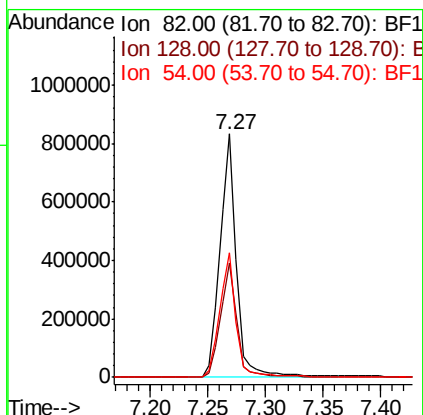
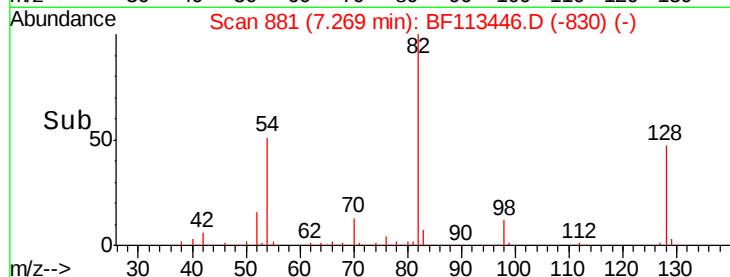
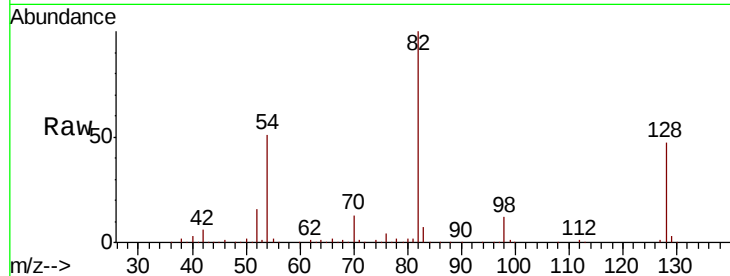




#23  
Nitrobenzene-d5  
Concen: 88.934 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.00 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

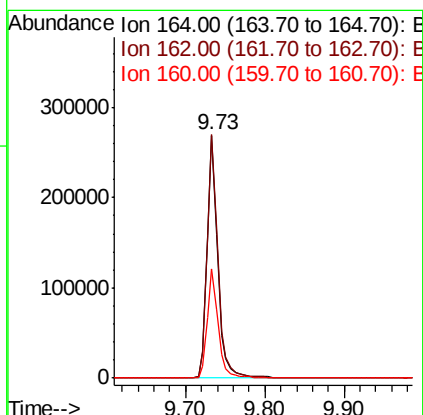
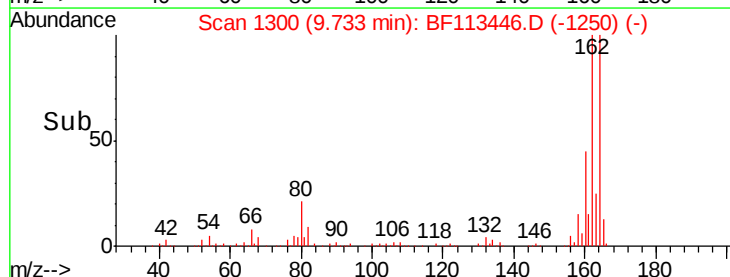
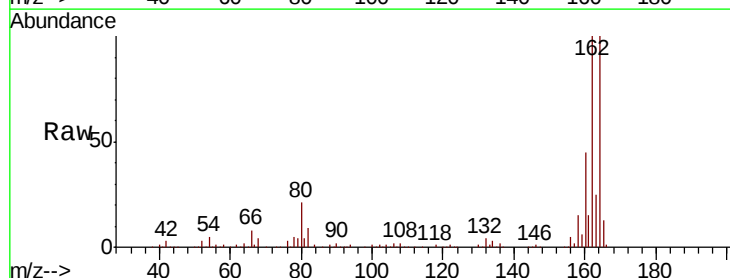
Instrument :  
BNA\_F  
ClientSampleId :  
S7B(12-20)COMP

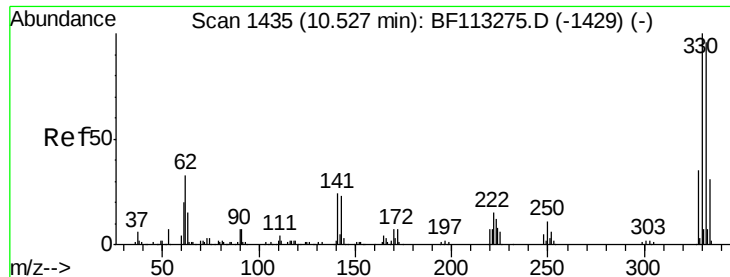
Tot Ion: 82 Resp: 827949  
Ion Ratio Lower Upper  
82 100  
128 46.9 36.5 54.7  
54 51.1 42.2 63.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

Tgt Ion:164 Resp: 255896  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.8 122.6  
160 45.3 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 125.182 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113446.D

Acq: 30 Mar 2019 7:49

Instrument :

BNA\_F

ClientSampleId :

S7B(12-20)COMP

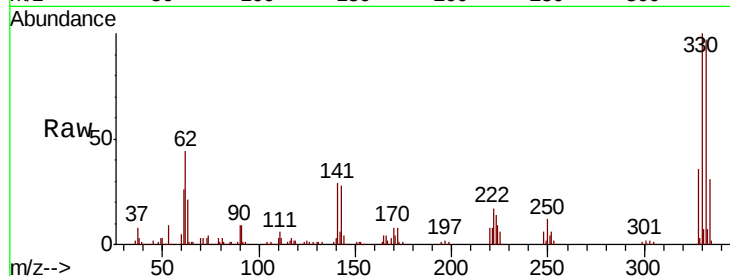
Tot Ion:330 Resp: 395687

Ion Ratio Lower Upper

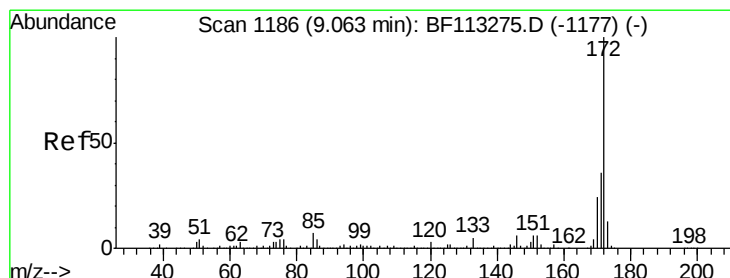
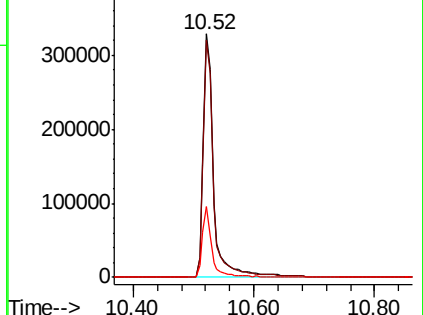
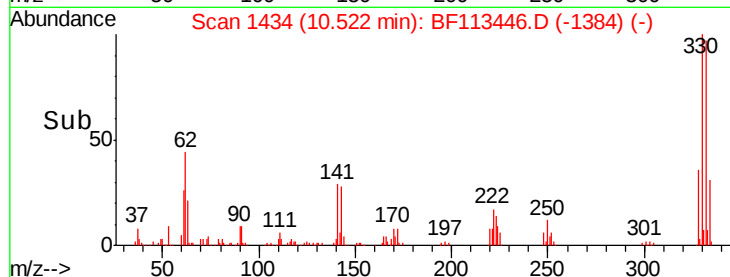
330 100

332 97.7 77.8 116.6

141 27.3 22.7 34.1



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



#45

2-Fluorobiphenyl

Concen: 96.852 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113446.D

Acq: 30 Mar 2019 7:49

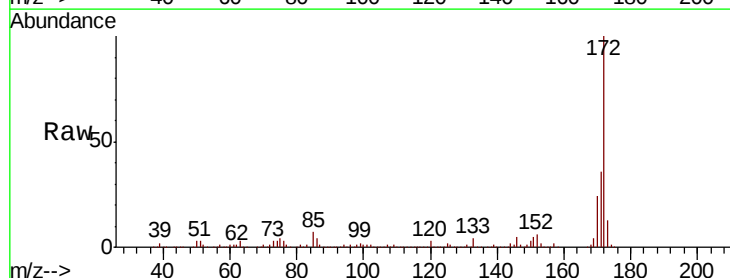
Tgt Ion:172 Resp: 1541110

Ion Ratio Lower Upper

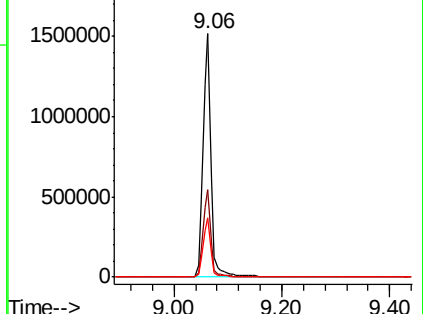
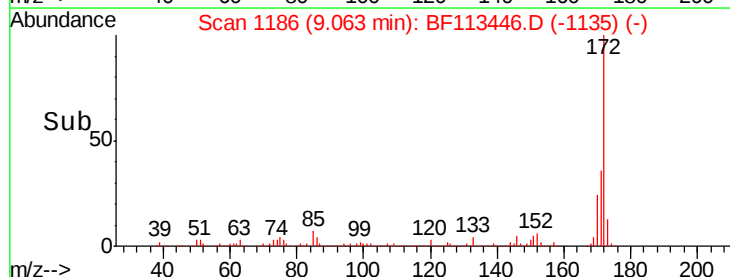
172 100

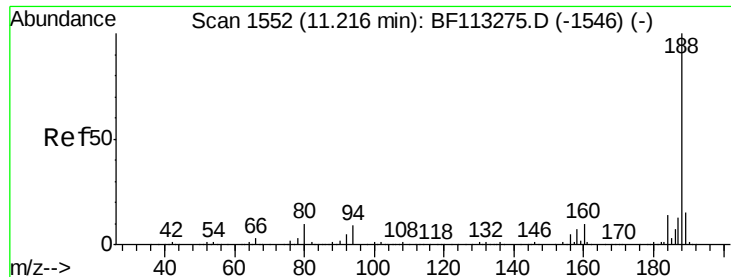
171 35.7 29.0 43.6

170 24.3 19.5 29.3



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

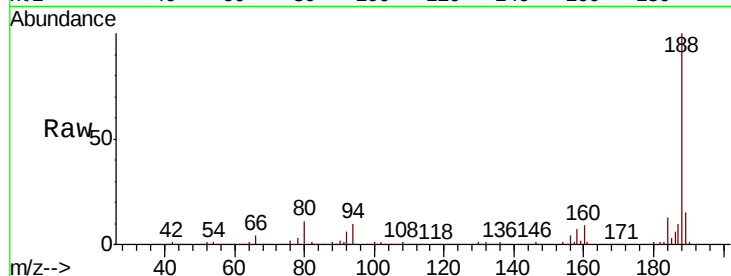




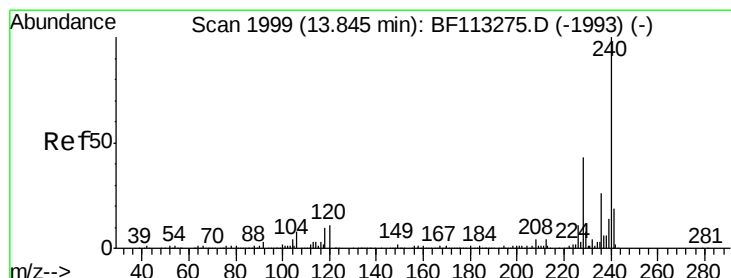
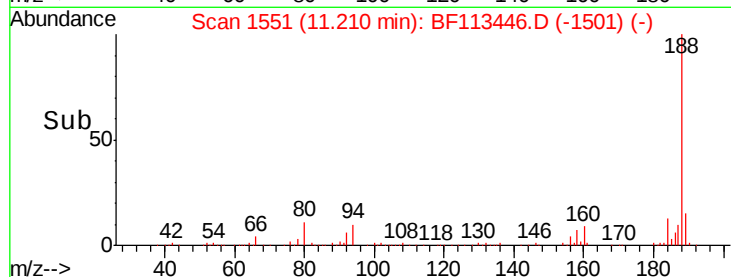
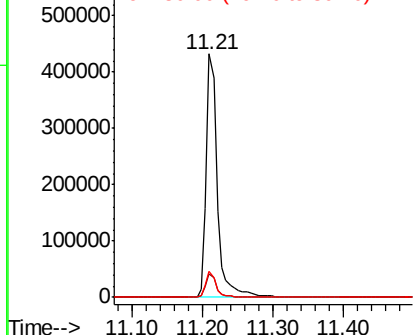
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

Instrument :  
BNA\_F  
ClientSampleId :  
S7B(12-20)COMP

Tot Ion:188 Resp: 471221  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.0 10.6  
80 10.7 7.7 11.5

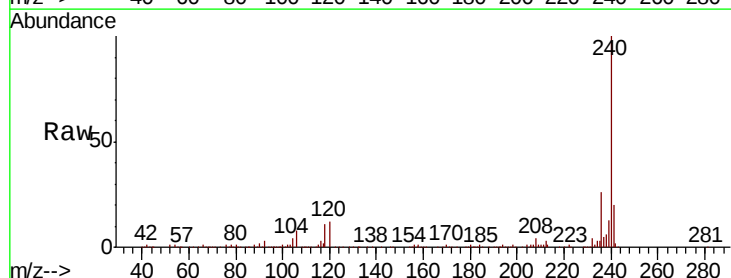


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

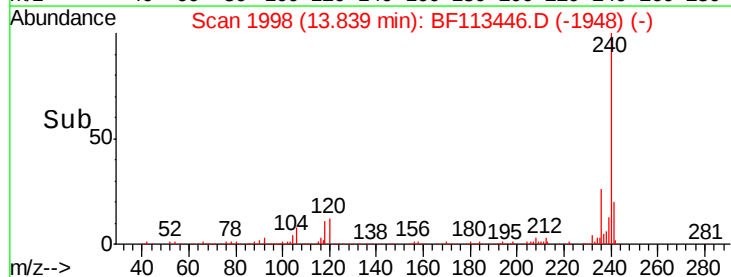
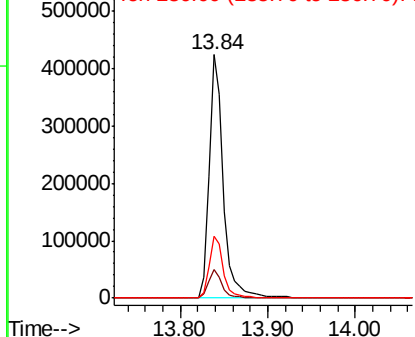


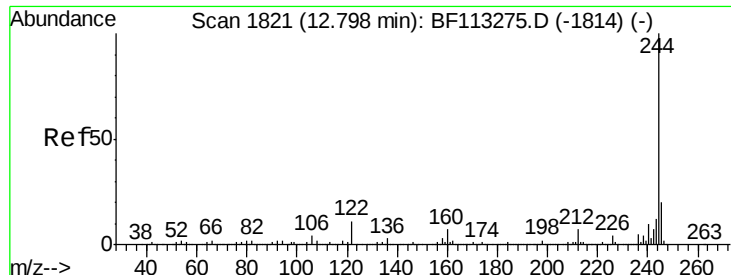
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF113446.D  
Acq: 30 Mar 2019 7:49

Tgt Ion:240 Resp: 473972  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.8 13.2  
236 25.6 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

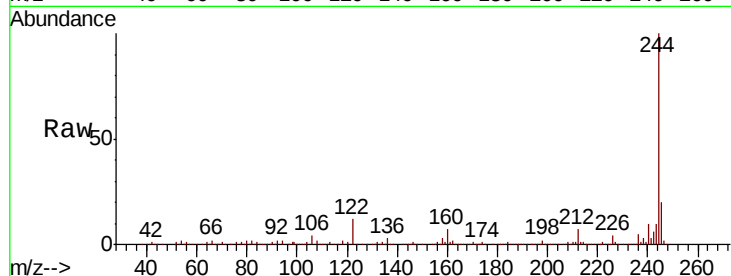




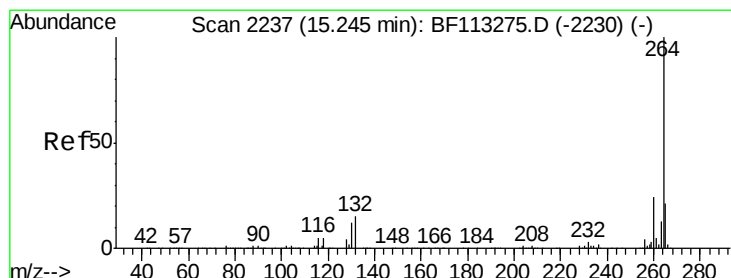
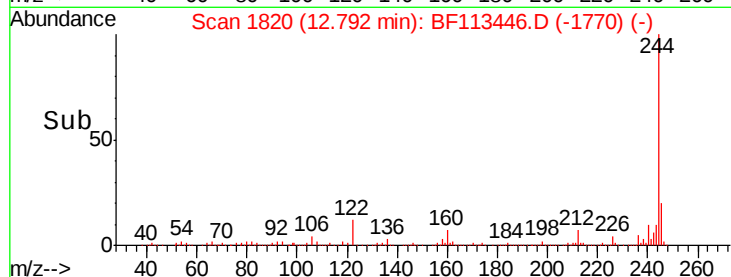
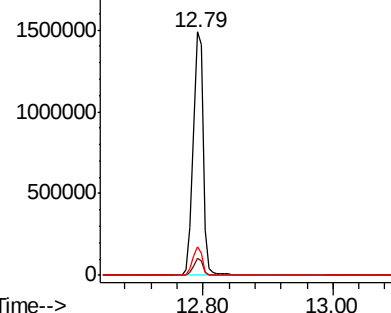
#79  
 Terphenyl-d14  
 Concen: 74.658 ng  
 RT: 12.79 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BF113446.D  
 Acq: 30 Mar 2019 7:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S7B(12-20)COMP

Tot Ion:244 Resp: 1605407  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.5 8.3  
 122 11.7 8.6 13.0

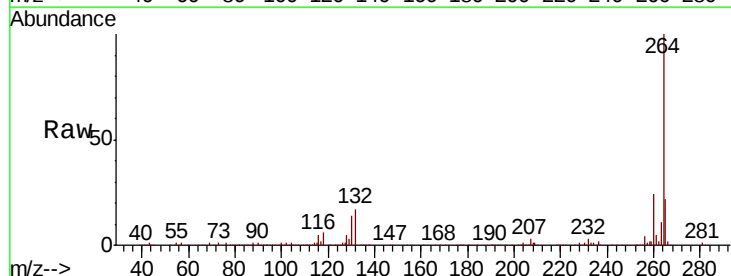


Abundance Ion 244.00 (243.70 to 244.70): E  
 2000000 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2237  
 Delta R.T. -0.00 min  
 Lab File: BF113446.D  
 Acq: 30 Mar 2019 7:49

Tgt Ion:264 Resp: 390134  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.1 28.7  
 265 22.0 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E  
 300000 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

