

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF041219\  
 Data File : BF113749.D  
 Acq On : 12 Apr 2019 20:25  
 Operator : JU/SJ  
 Sample : K2358-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-S

Quant Time: Apr 13 02:29:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 106155   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.96  | 136  | 394060   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.70  | 164  | 185343   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.19 | 188  | 371004   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.82 | 240  | 240550   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.23 | 264  | 285530   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 729434   | 117.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 840619   | 109.56 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 644478   | 95.80  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 302170   | 135.72 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1186731  | 103.08 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.76 | 244  | 1225426  | 103.72 | ng    | -0.03    |

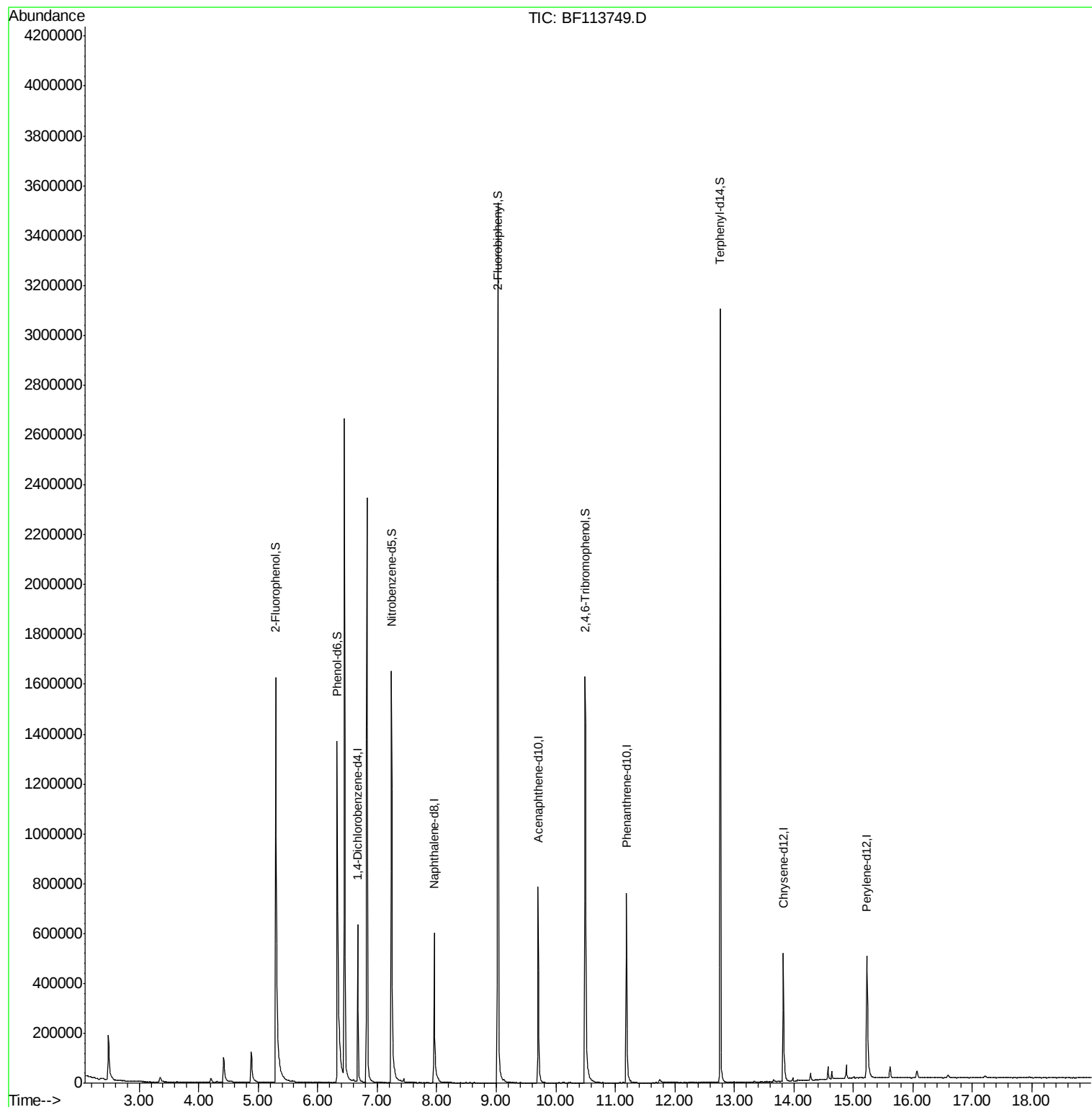
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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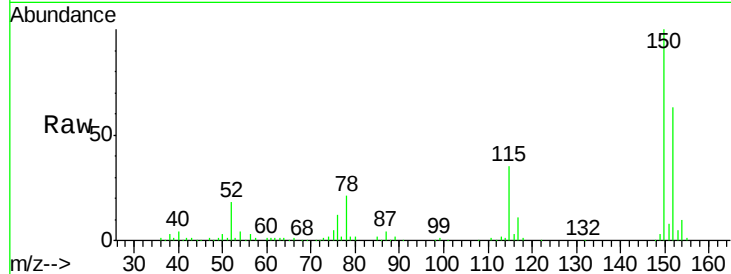


#1

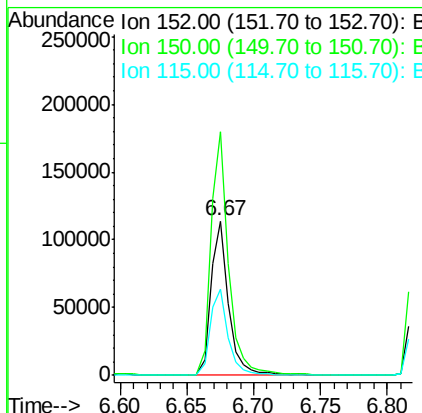
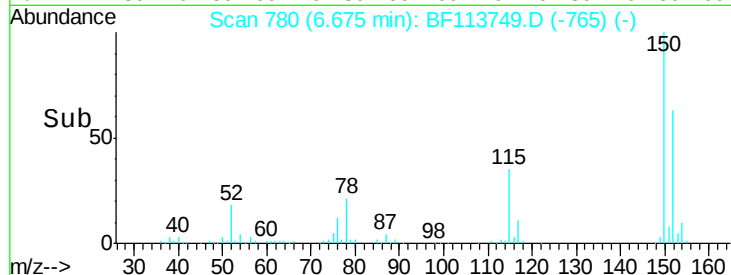
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113749.D  
Acq: 12 Apr 2019 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-S

Tgt Ion:152 Resp: 106155  
Ion Ratio Lower Upper  
152 100  
150 157.5 124.7 187.1  
115 55.8 46.0 69.0



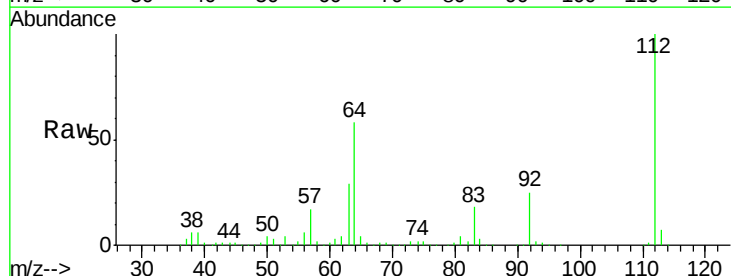
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



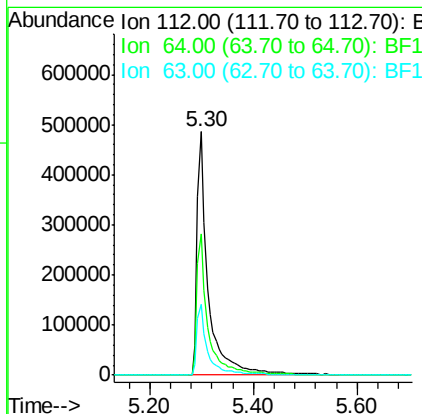
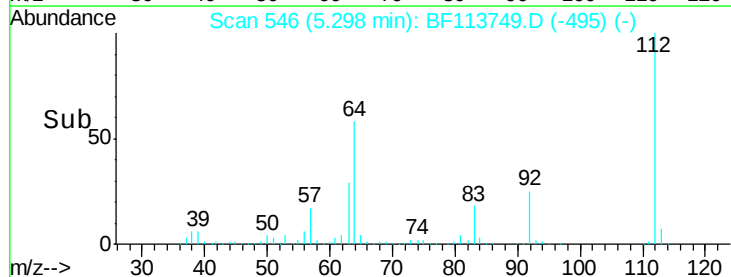
#5

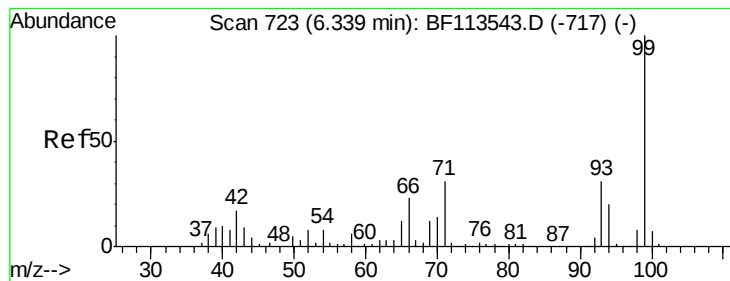
2-Fluorophenol  
Concen: 117.173 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.00 min  
Lab File: BF113749.D  
Acq: 12 Apr 2019 20:25

Tgt Ion:112 Resp: 729434  
Ion Ratio Lower Upper  
112 100  
64 58.2 49.2 73.8  
63 29.1 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: 109.560 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113749.D

Acq: 12 Apr 2019 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-7-S

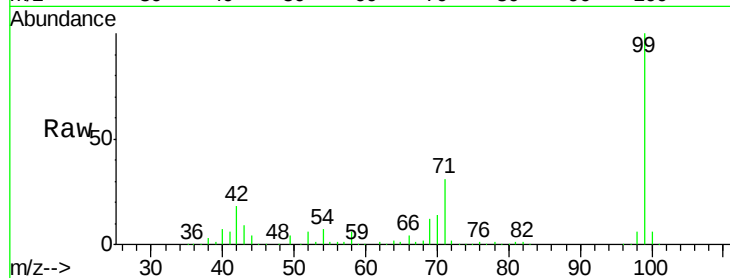
Tgt Ion: 99 Resp: 840619

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

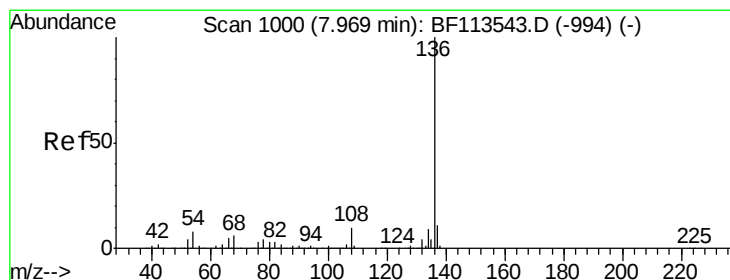
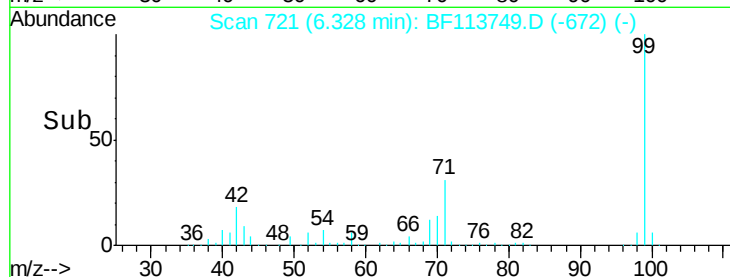
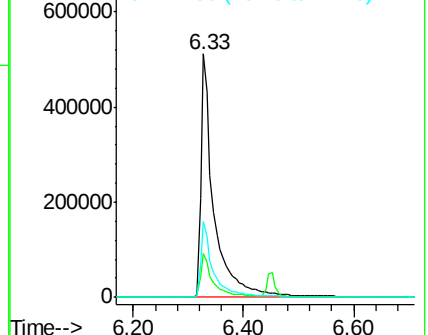
71 30.9 24.9 37.3



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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113749.D

Acq: 12 Apr 2019 20:25

Tgt Ion: 136 Resp: 394060

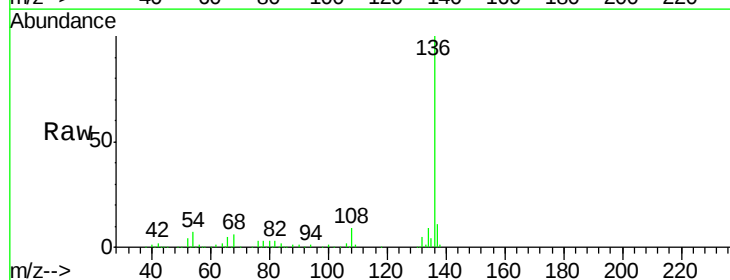
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.4 7.0 10.6

68 5.5 4.8 7.2

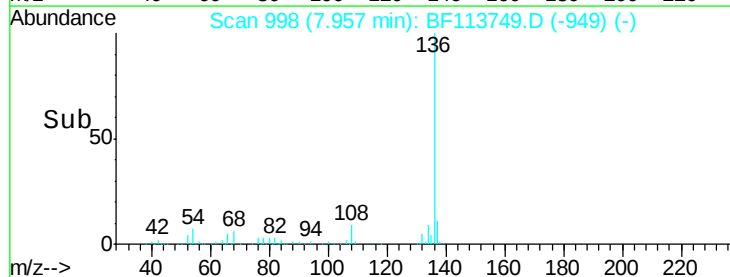
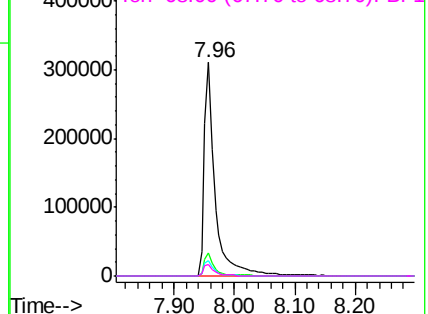


Abundance Ion 136.00 (135.70 to 136.70): E

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

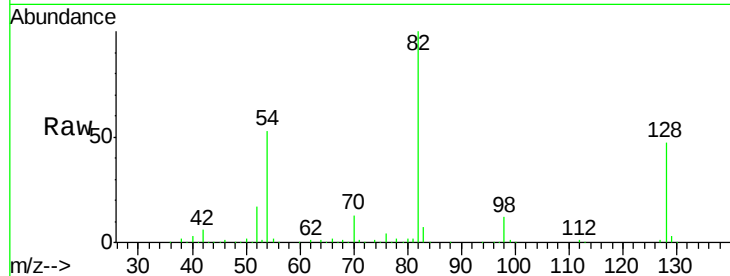




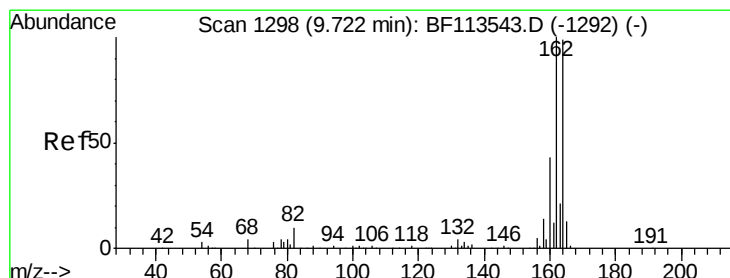
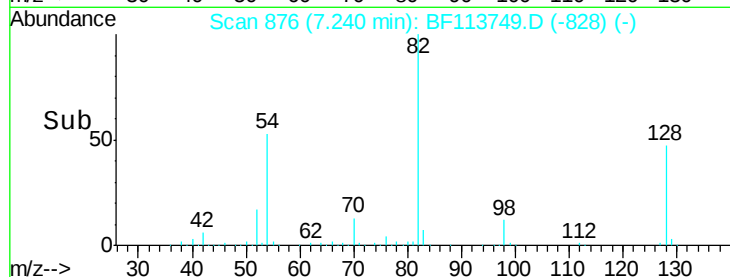
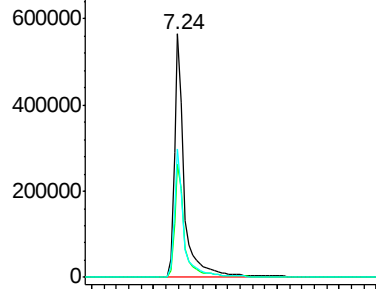
#23  
 Nitrobenzene-d5  
 Concen: 95.799 ng  
 RT: 7.24 min Scan# 876  
 Delta R.T. -0.02 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-7-S

Tgt Ion: 82 Resp: 644478  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 36.5 54.7  
 54 53.0 42.2 63.2

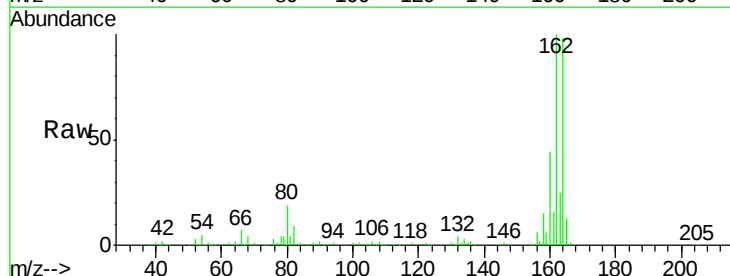


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

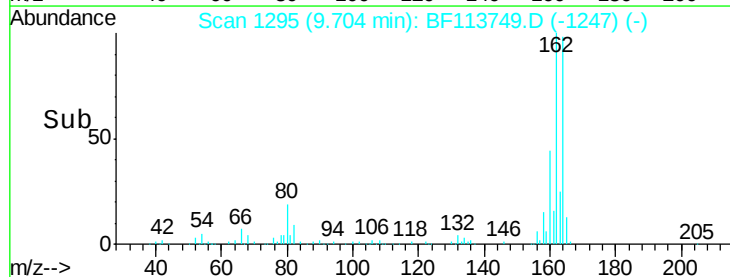
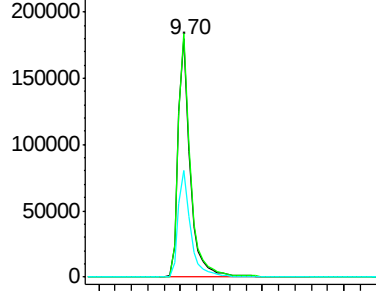


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.02 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Tgt Ion: 164 Resp: 185343  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 81.8 122.6  
 160 44.7 36.4 54.6



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

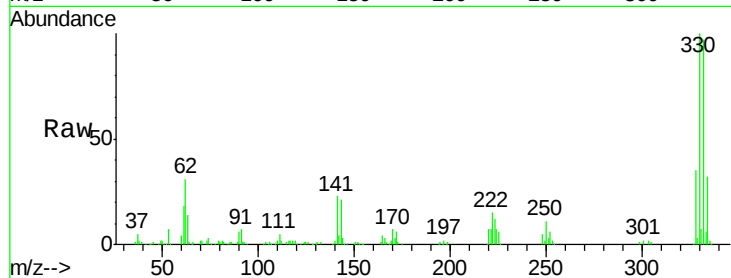




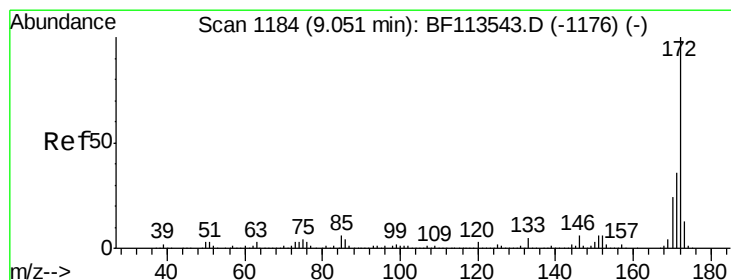
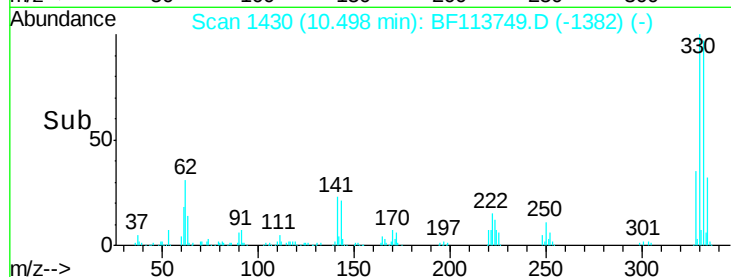
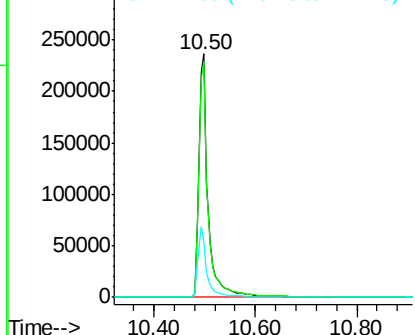
#42  
 2,4,6-Tribromophenol  
 Concen: 135.720 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Instrument :  
 BNA\_F  
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 TP-7-S

Tgt Ion:330 Resp: 302170  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.8 116.6  
 141 27.4 22.7 34.1

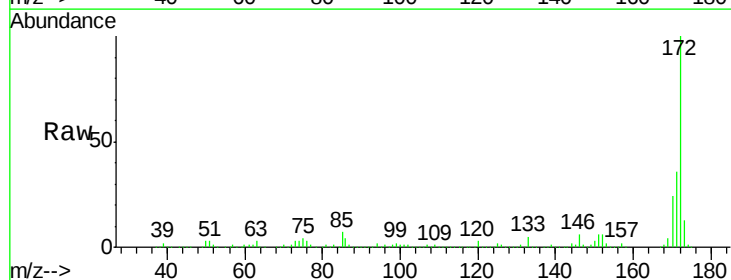


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

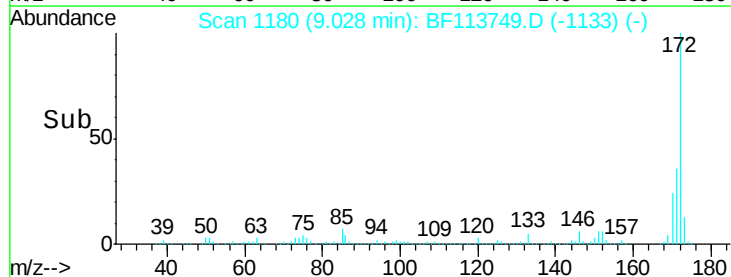
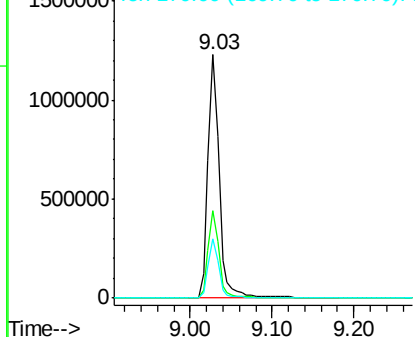


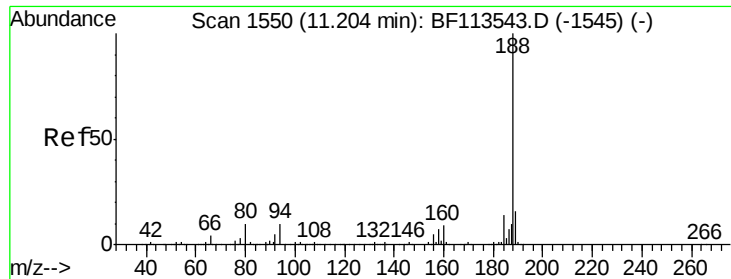
#45  
 2-Fluorobiphenyl  
 Concen: 103.080 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.02 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Tgt Ion:172 Resp: 1186731  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 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

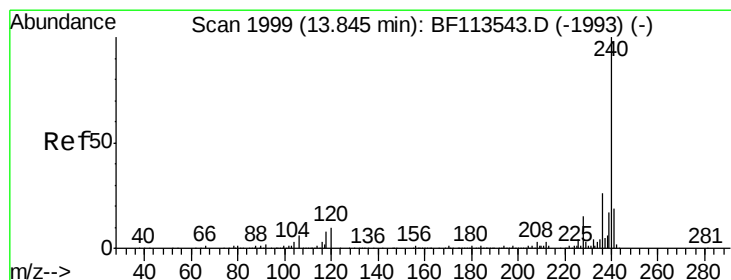
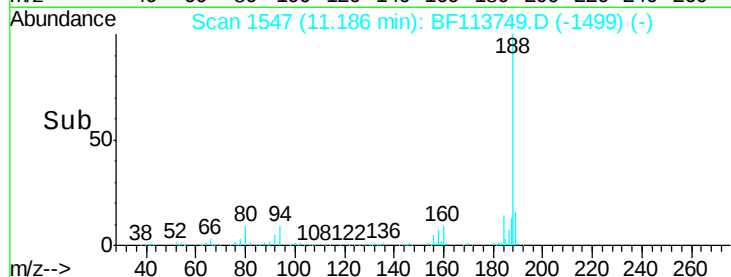
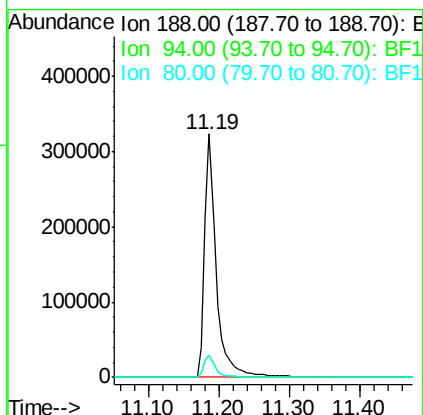
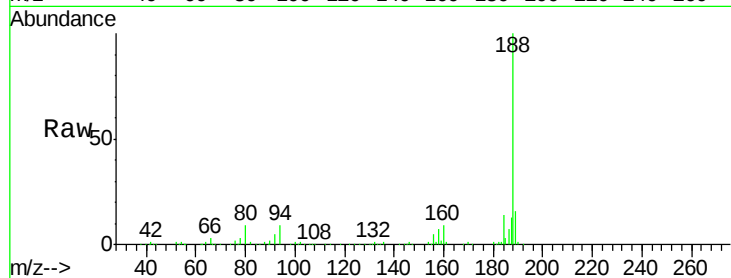




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.02 min  
Lab File: BF113749.D  
Acq: 12 Apr 2019 20:25

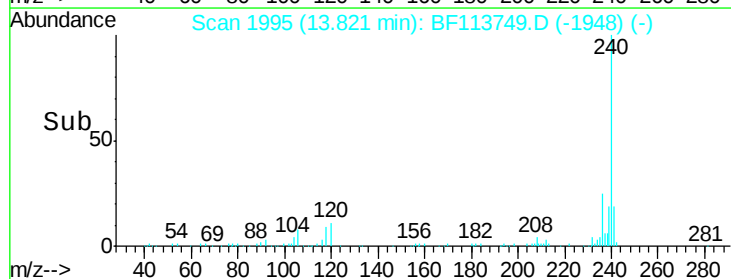
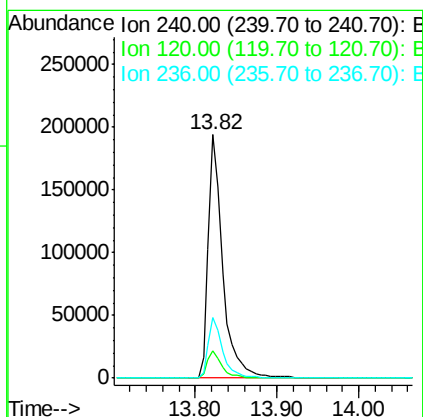
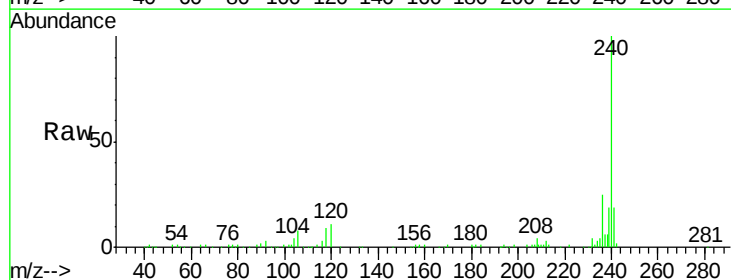
Instrument :  
BNA\_F  
ClientSampleId :  
TP-7-S

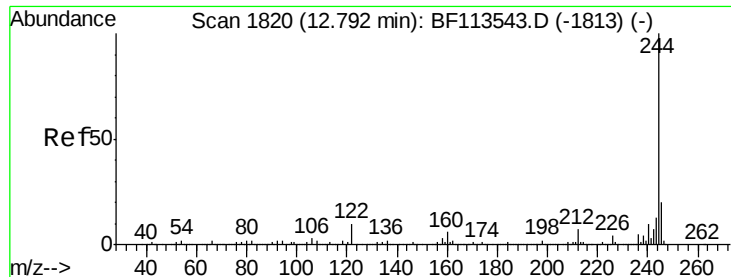
Tgt Ion:188 Resp: 371004  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.0 10.6  
80 9.1 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. -0.02 min  
Lab File: BF113749.D  
Acq: 12 Apr 2019 20:25

Tgt Ion:240 Resp: 240550  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.8 13.2  
236 24.7 20.9 31.3

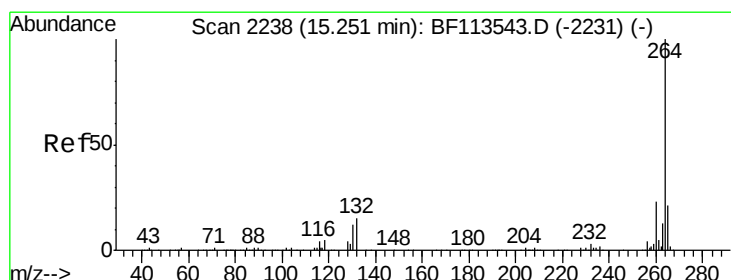
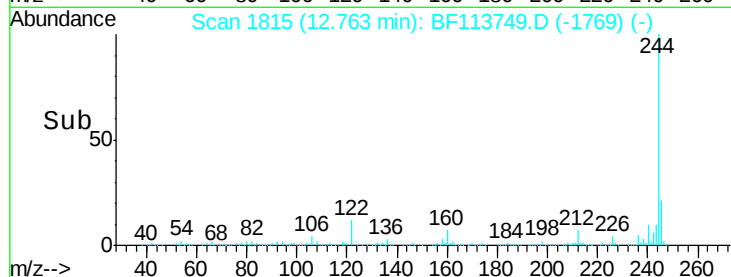
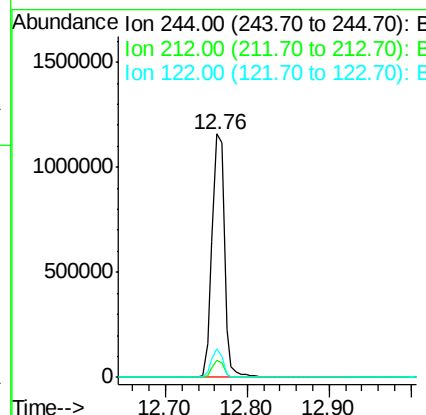
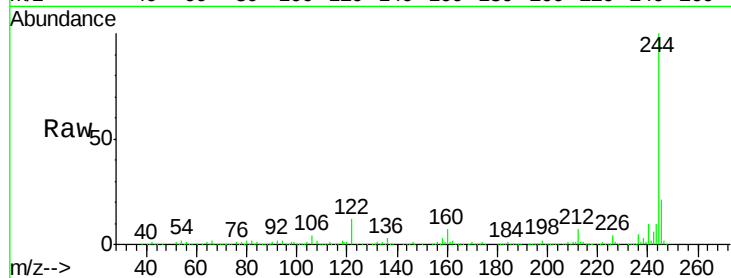




#79  
 Terphenyl-d14  
 Concen: 103.720 ng  
 RT: 12.76 min Scan# 1815  
 Delta R.T. -0.03 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-S

Tgt Ion:244 Resp: 1225426  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.5 8.3  
 122 11.6 8.6 13.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2234  
 Delta R.T. -0.02 min  
 Lab File: BF113749.D  
 Acq: 12 Apr 2019 20:25

Tgt Ion:264 Resp: 285530  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.1 28.7  
 265 21.8 17.1 25.7

