

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF041219\  
 Data File : BF113745.D  
 Acq On : 12 Apr 2019 18:28  
 Operator : JU/SJ  
 Sample : K2377-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-13-S

Quant Time: Apr 13 02:21:05 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  | 131209   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.96  | 136  | 502001   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.70  | 164  | 239743   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.19 | 188  | 478389   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.82 | 240  | 349791   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.23 | 264  | 384342   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 799864   | 103.95 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 928559   | 97.91  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 709317   | 82.77  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 358382   | 124.44 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1313244  | 88.19  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.77 | 244  | 1374177  | 79.99  | ng    | -0.02    |

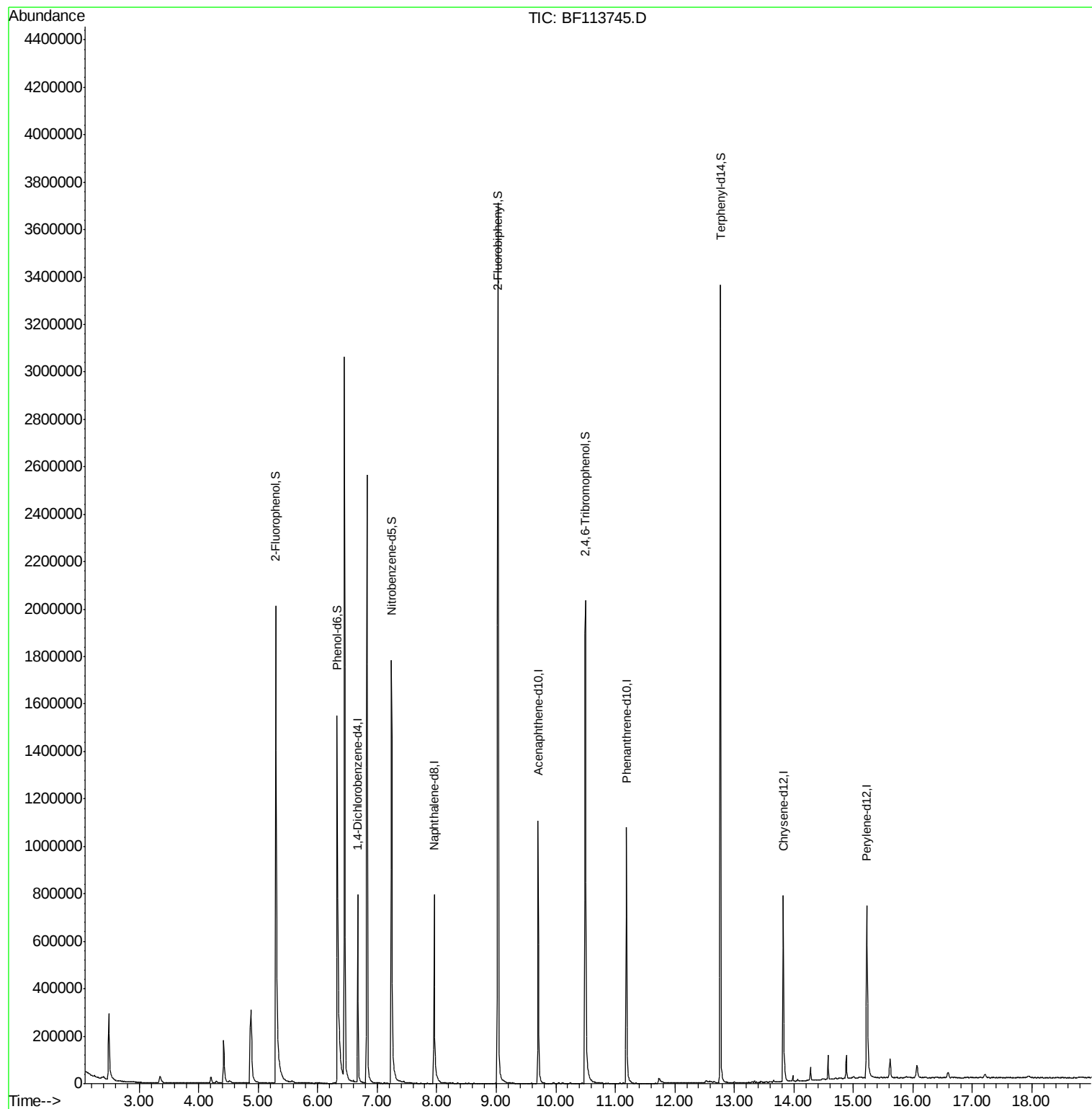
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

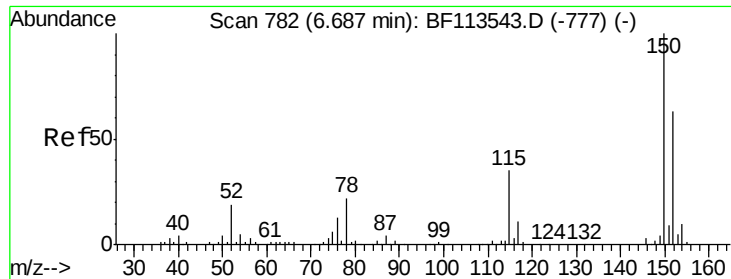
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



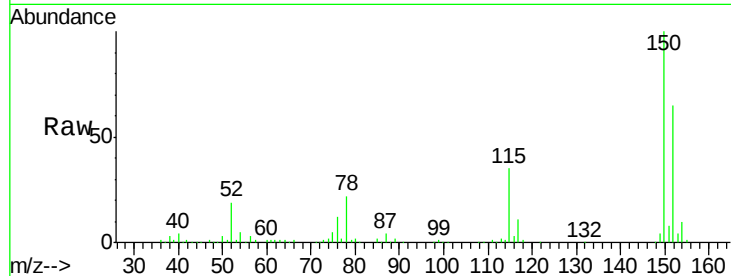


#1

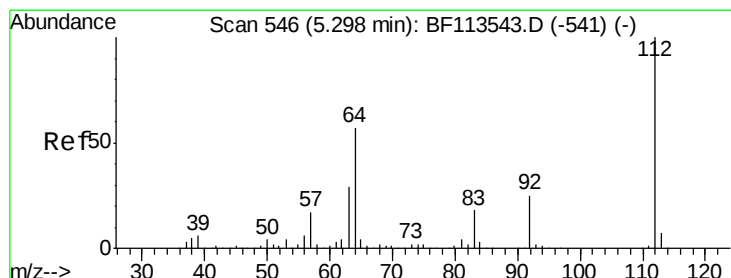
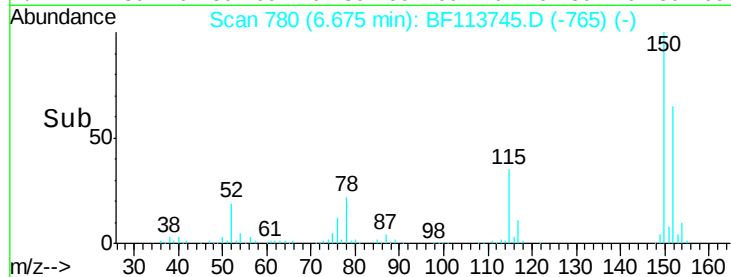
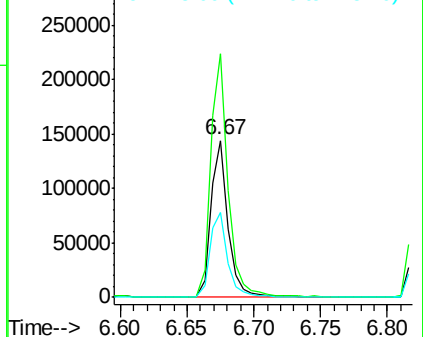
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113745.D  
Acq: 12 Apr 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
TP-13-S

Tgt Ion:152 Resp: 131209  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.7 187.1  
115 54.3 46.0 69.0



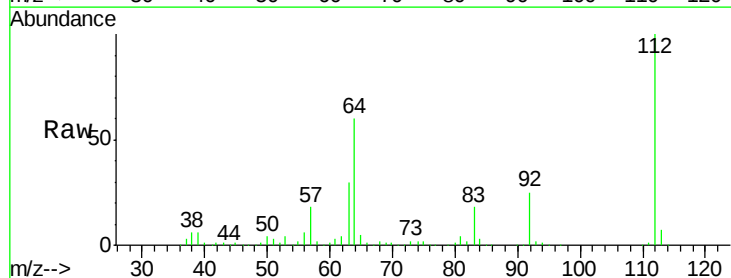
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



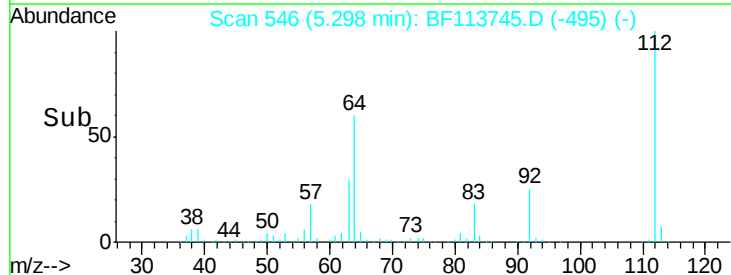
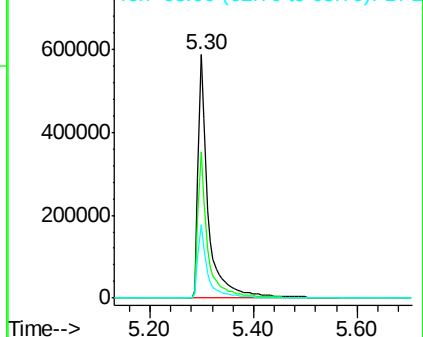
#5

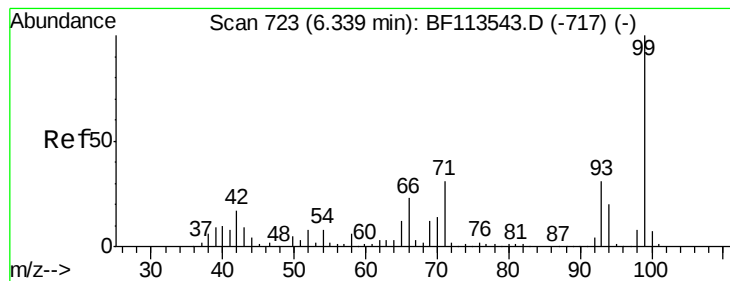
2-Fluorophenol  
Concen: 103.953 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.00 min  
Lab File: BF113745.D  
Acq: 12 Apr 2019 18:28

Tgt Ion:112 Resp: 799864  
Ion Ratio Lower Upper  
112 100  
64 59.9 49.2 73.8  
63 30.4 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: 97.913 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113745.D

Acq: 12 Apr 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

TP-13-S

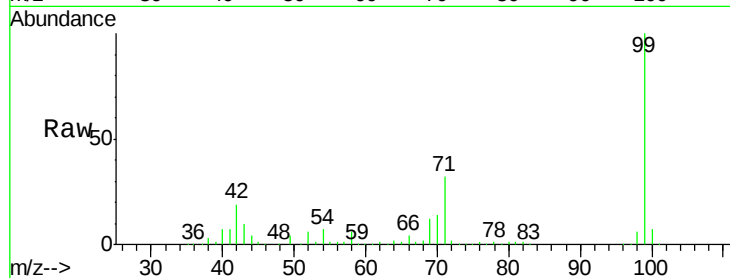
Tgt Ion: 99 Resp: 928559

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

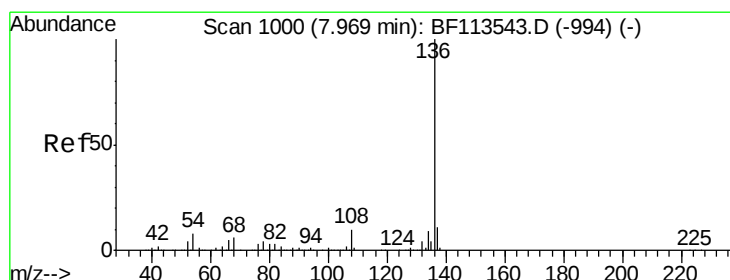
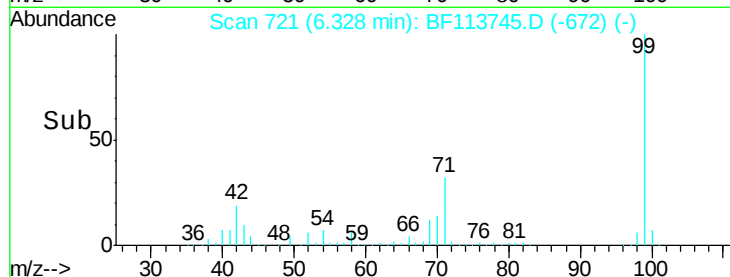
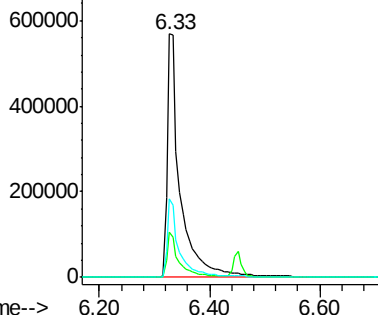
71 32.0 24.9 37.3



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: BF113745.D

Acq: 12 Apr 2019 18:28

Tgt Ion: 136 Resp: 502001

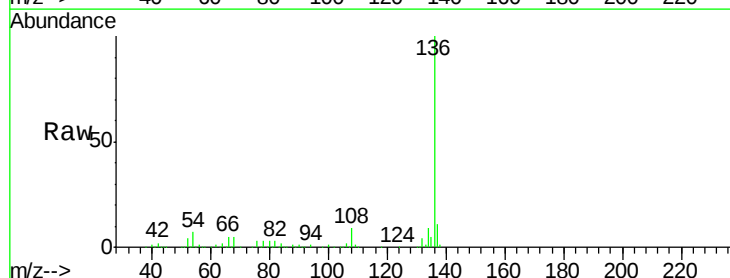
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 7.0 10.6#

68 5.4 4.8 7.2

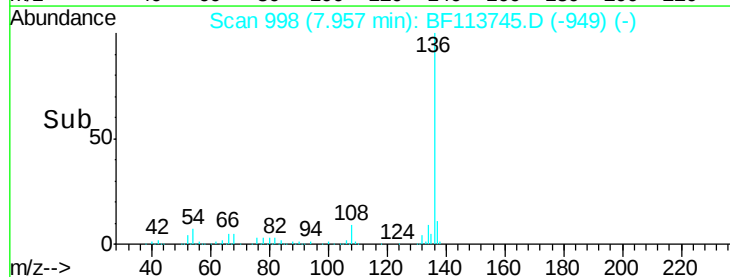
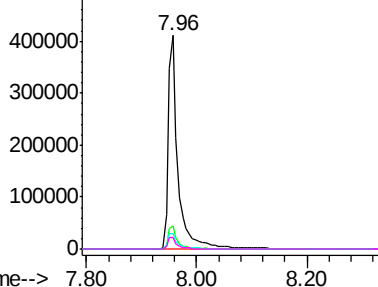


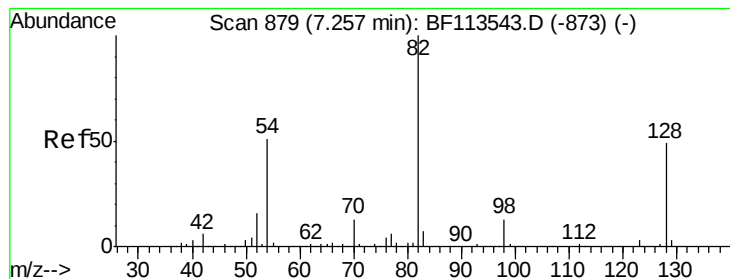
Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.766 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113745.D

Acq: 12 Apr 2019 18:28

Instrument :

BNA\_F

ClientSampled :

TP-13-S

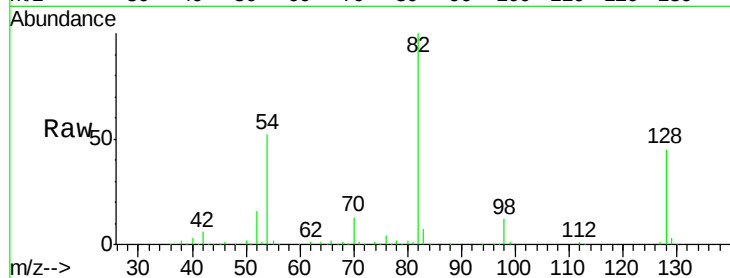
Tgt Ion: 82 Resp: 709317

Ion Ratio Lower Upper

82 100

128 45.2 36.5 54.7

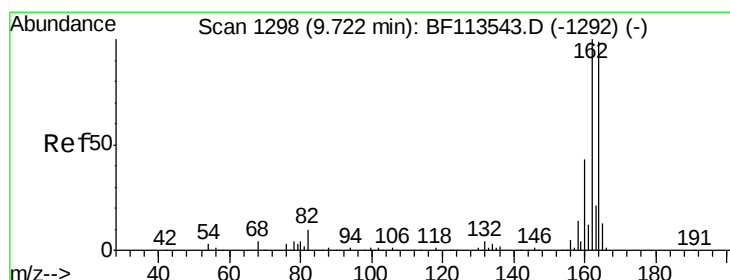
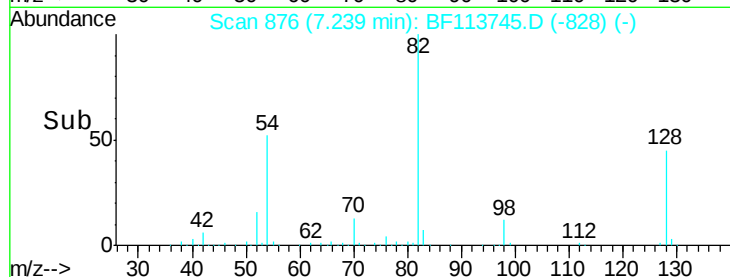
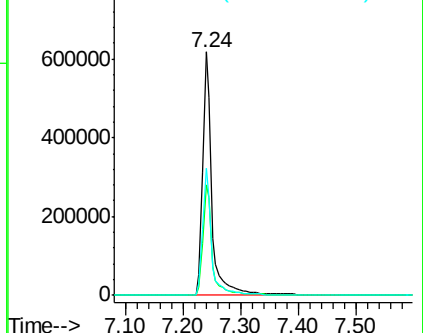
54 52.3 42.2 63.2



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: BF113745.D

Acq: 12 Apr 2019 18:28

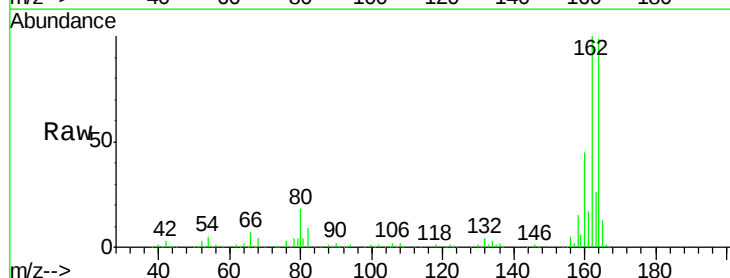
Tgt Ion: 164 Resp: 239743

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

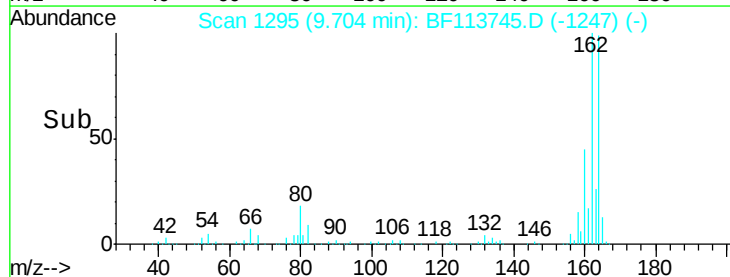
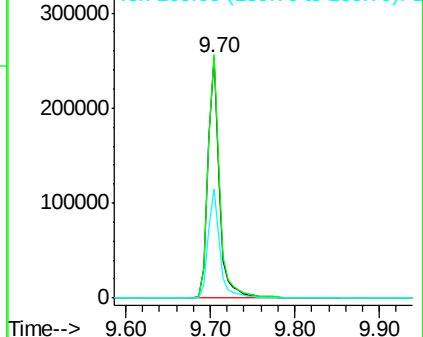
160 45.5 36.4 54.6

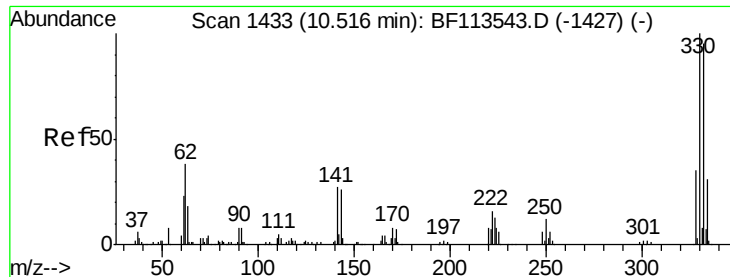


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

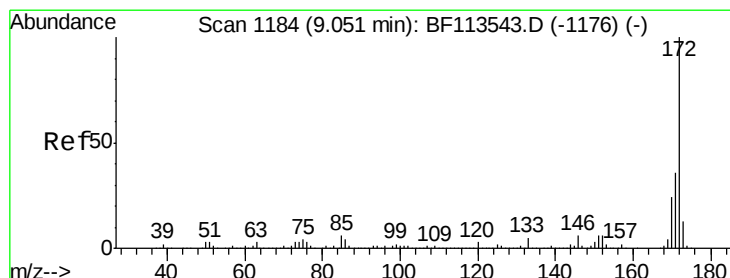
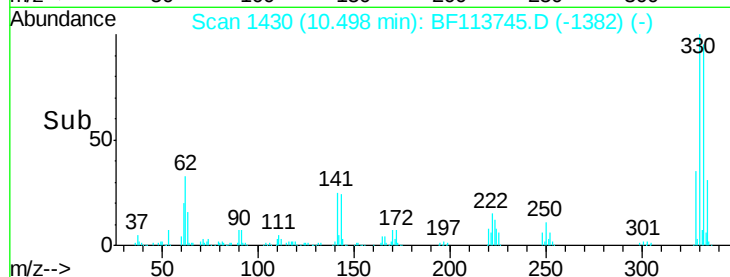
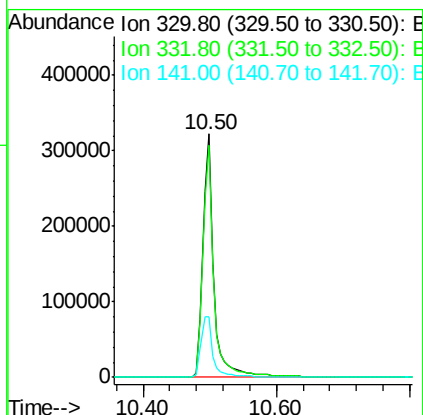
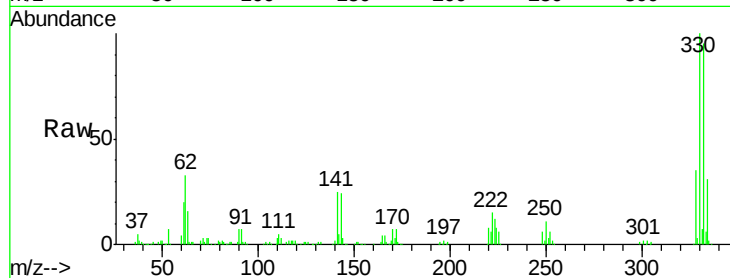




#42  
 2,4,6-Tribromophenol  
 Concen: 124.443 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BF113745.D  
 Acq: 12 Apr 2019 18:28

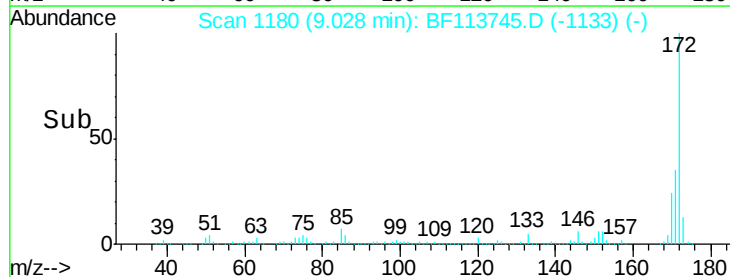
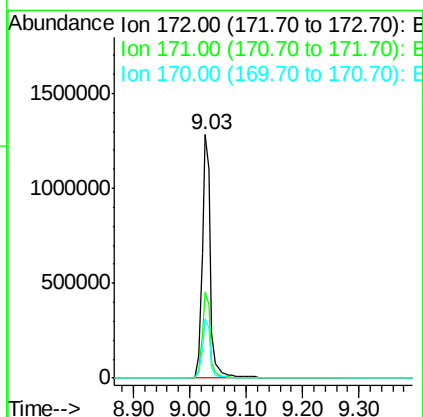
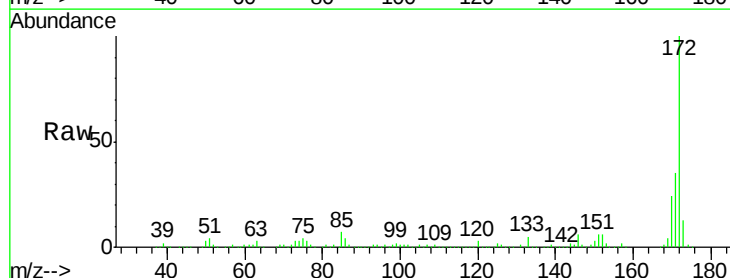
Instrument :  
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 TP-13-S

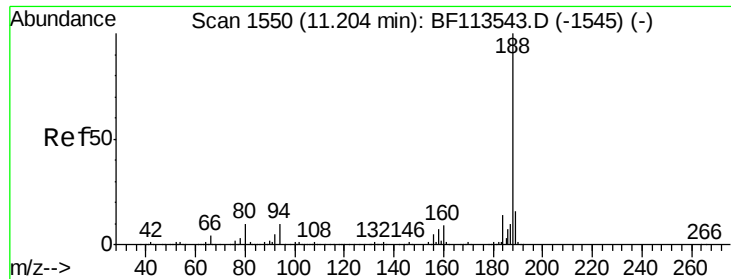
Tgt Ion:330 Resp: 358382  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.8 116.6  
 141 28.1 22.7 34.1



#45  
 2-Fluorobiphenyl  
 Concen: 88.185 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.02 min  
 Lab File: BF113745.D  
 Acq: 12 Apr 2019 18:28

Tgt Ion:172 Resp: 1313244  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.0 43.6  
 170 24.4 19.5 29.3

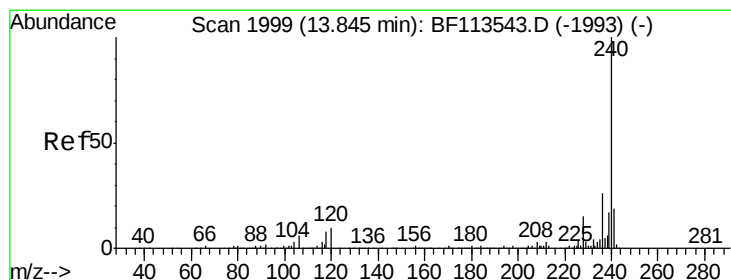
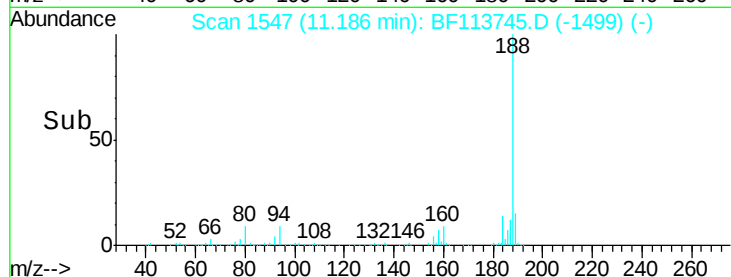
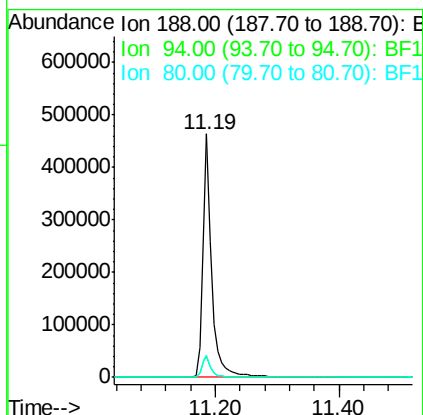
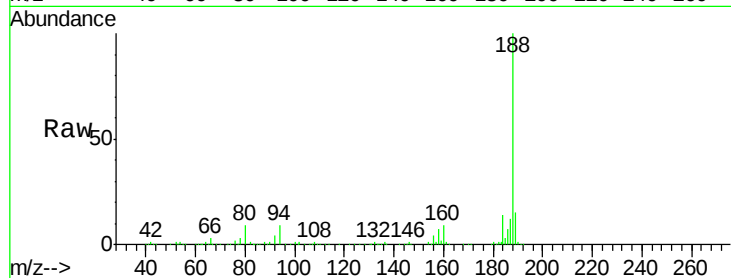




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1547  
 Delta R.T. -0.02 min  
 Lab File: BF113745.D  
 Acq: 12 Apr 2019 18:28

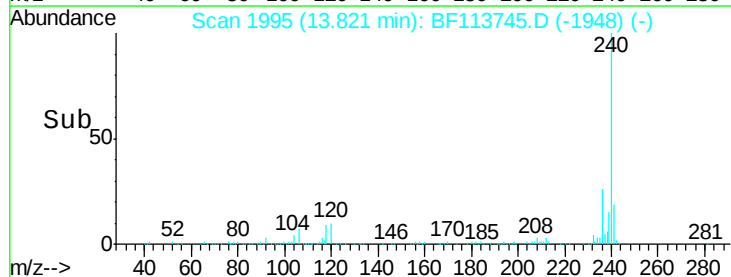
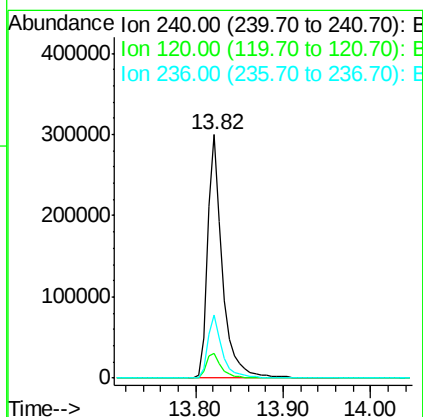
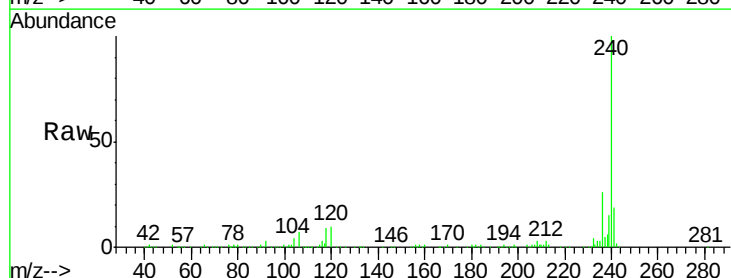
Instrument :  
 BNA\_F  
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 TP-13-S

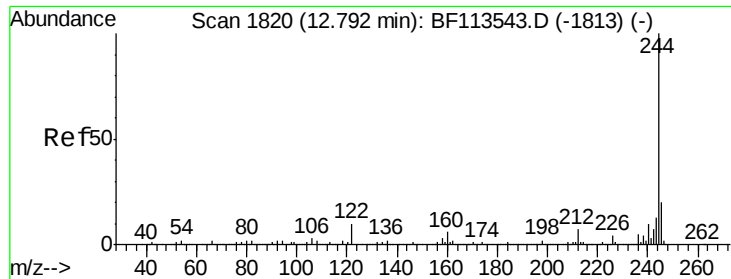
Tgt Ion:188 Resp: 478389  
 Ion Ratio Lower Upper  
 188 100  
 94 8.8 7.0 10.6  
 80 8.9 7.7 11.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.82 min Scan# 1995  
 Delta R.T. -0.02 min  
 Lab File: BF113745.D  
 Acq: 12 Apr 2019 18:28

Tgt Ion:240 Resp: 349791  
 Ion Ratio Lower Upper  
 240 100  
 120 10.2 8.8 13.2  
 236 25.9 20.9 31.3

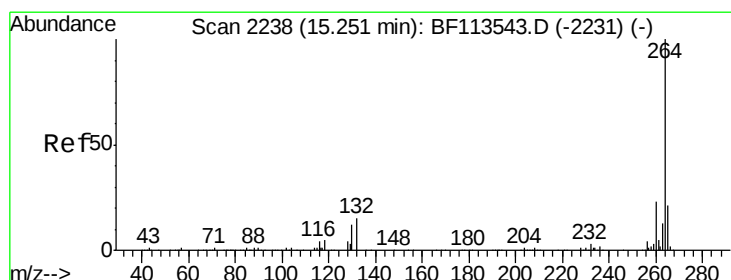
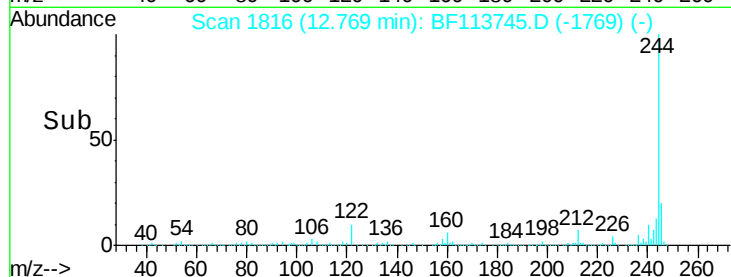
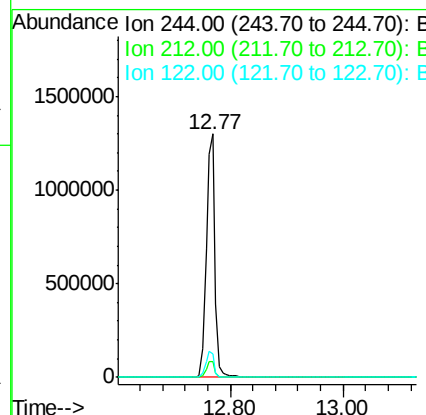
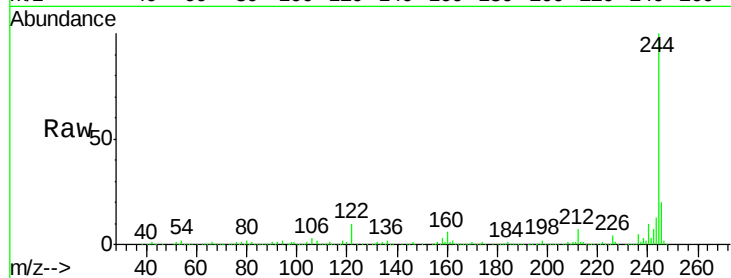




#79  
 Terphenyl-d14  
 Concen: 79.986 ng  
 RT: 12.77 min Scan# 1816  
 Delta R.T. -0.02 min  
 Lab File: BF113745.D  
 Acq: 12 Apr 2019 18:28

Instrument :  
 BNA\_F  
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Tgt Ion:244 Resp: 1374177  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.5 8.3  
 122 9.9 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: BF113745.D  
 Acq: 12 Apr 2019 18:28

Tgt Ion:264 Resp: 384342  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.1 28.7  
 265 21.8 17.1 25.7

