

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\  
 Data File : BF113700.D  
 Acq On : 10 Apr 2019 16:59  
 Operator : JU/SJ  
 Sample : K2200-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-01-040919-A

Quant Time: Apr 11 02:34:15 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  | 112059   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.96  | 136  | 418953   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.71  | 164  | 193804   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.19 | 188  | 363426   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.83 | 240  | 292969   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.23 | 264  | 272032   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 771277   | 117.37 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 891149   | 110.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 691827   | 96.73  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 324842   | 139.53 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1282010  | 106.49 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.77 | 244  | 1200612  | 83.44  | ng    | -0.02    |

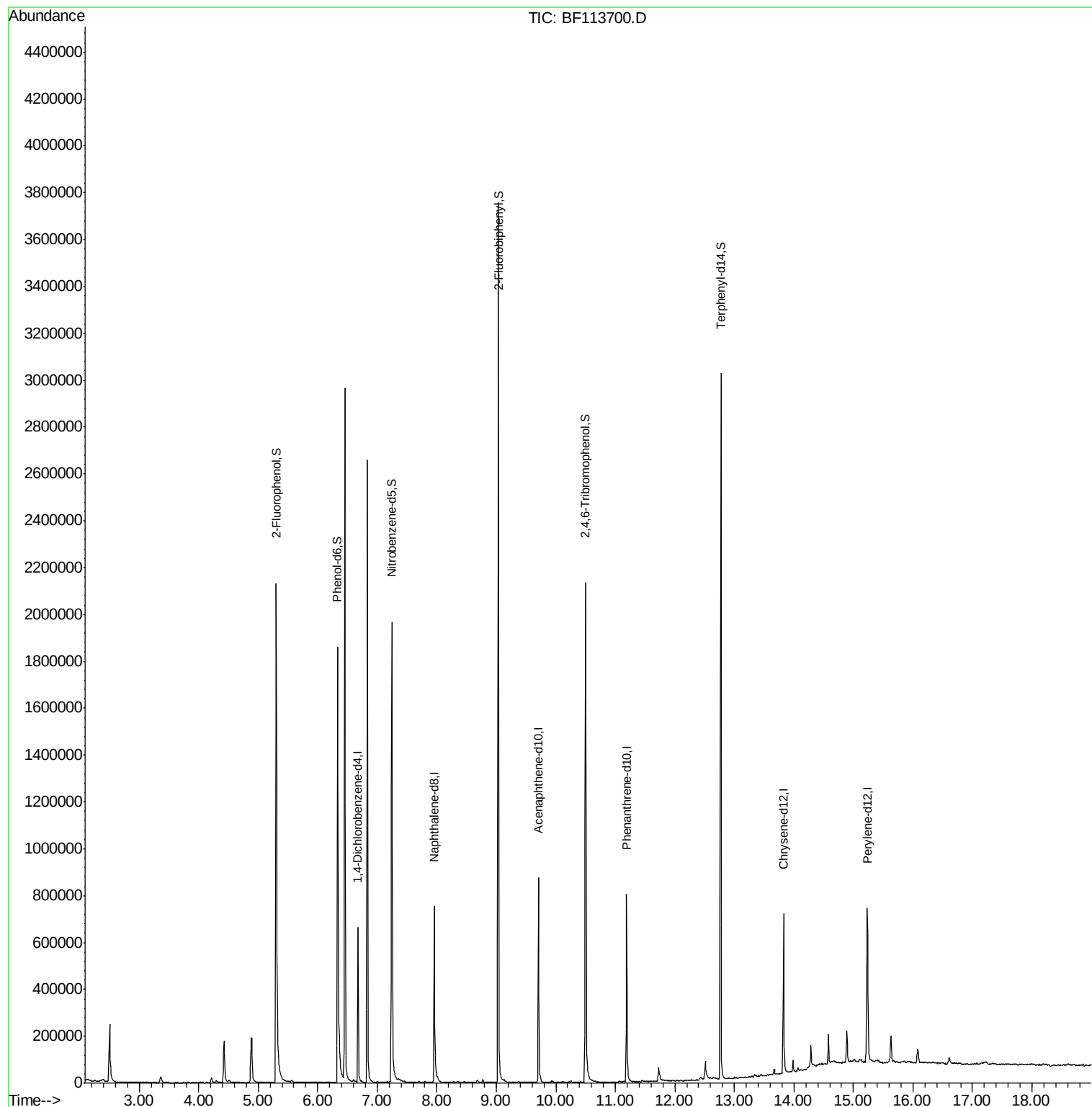
Target Compounds Qvalue

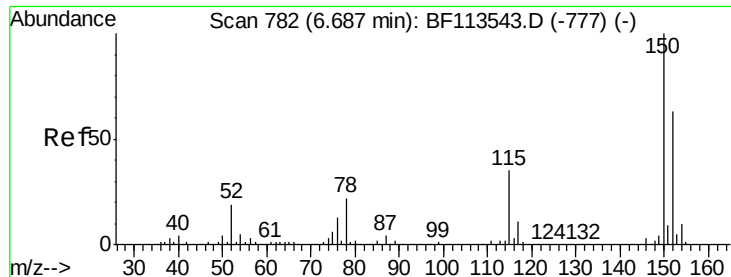
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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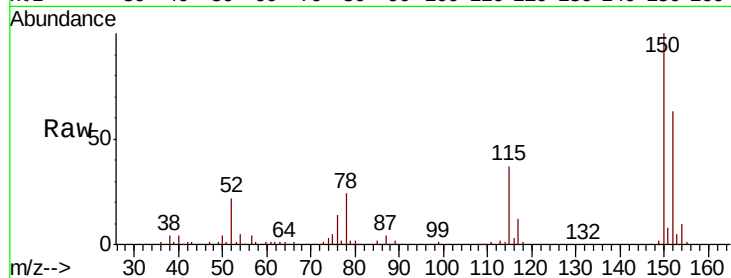


#1

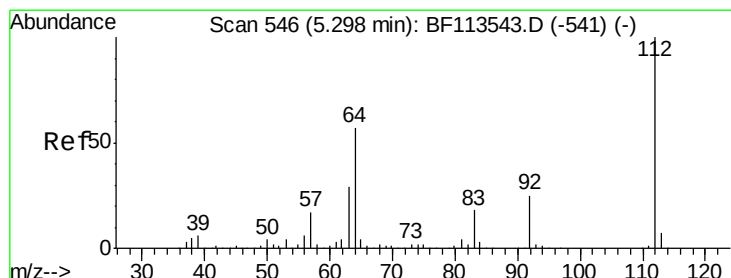
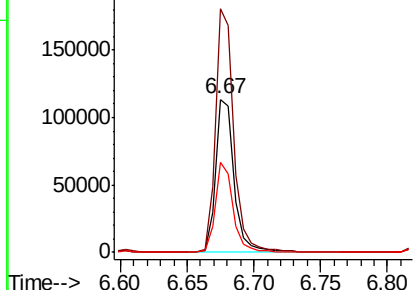
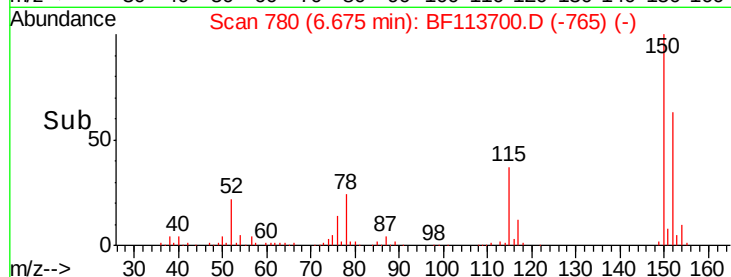
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.67 min Scan# 780  
 Delta R.T. -0.01 min  
 Lab File: BF113700.D  
 Acq: 10 Apr 2019 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-01-040919-A

Tot Ion:152 Resp: 112059  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 124.7 187.1  
 115 59.1 46.0 69.0



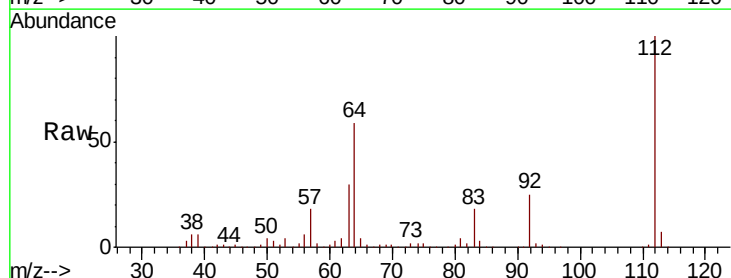
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



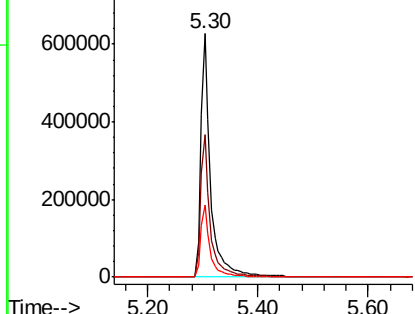
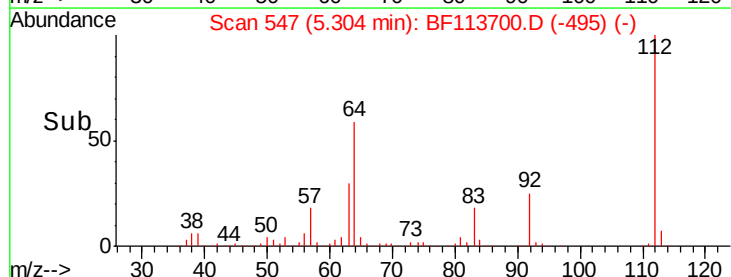
#5

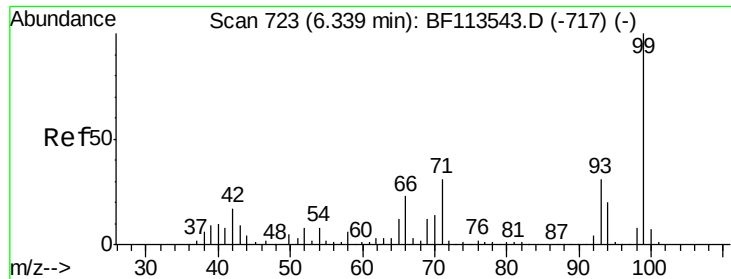
2-Fluorophenol  
 Concen: 117.367 ng  
 RT: 5.30 min Scan# 547  
 Delta R.T. 0.01 min  
 Lab File: BF113700.D  
 Acq: 10 Apr 2019 16:59

Tgt Ion:112 Resp: 771277  
 Ion Ratio Lower Upper  
 112 100  
 64 58.7 49.2 73.8  
 63 29.5 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: 110.027 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113700.D

Acq: 10 Apr 2019 16:59

Instrument :

BNA\_F

ClientSampleId :

EO-01-040919-A

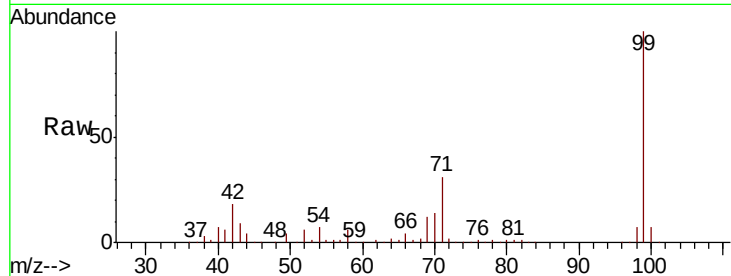
Tot Ion: 99 Resp: 891149

Ion Ratio Lower Upper

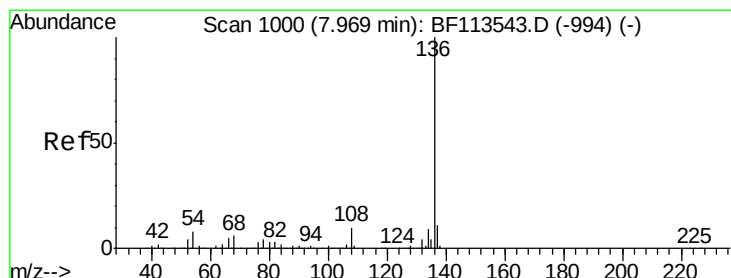
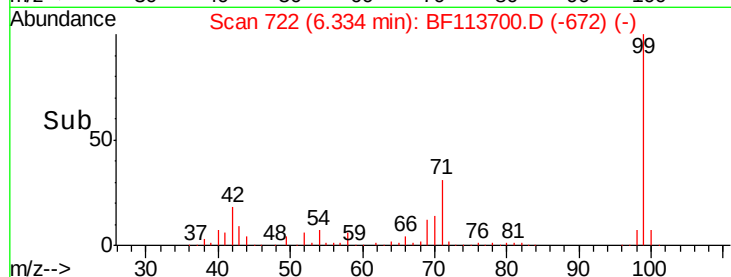
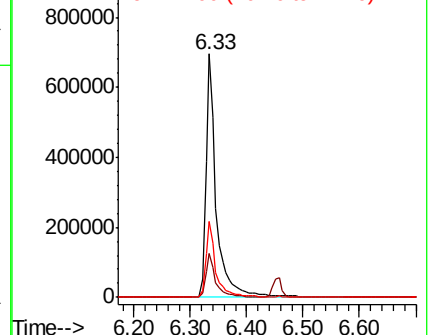
99 100

42 18.0 14.8 22.2

71 31.0 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: BF113700.D

Acq: 10 Apr 2019 16:59

Tgt Ion: 136 Resp: 418953

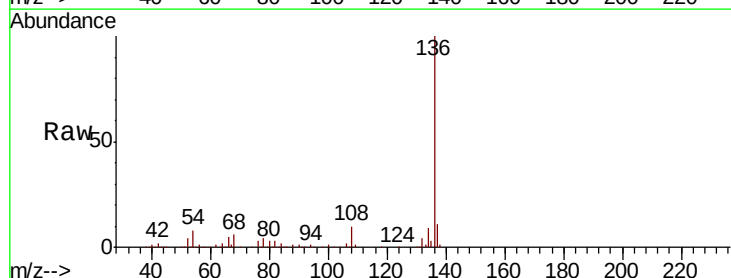
Ion Ratio Lower Upper

136 100

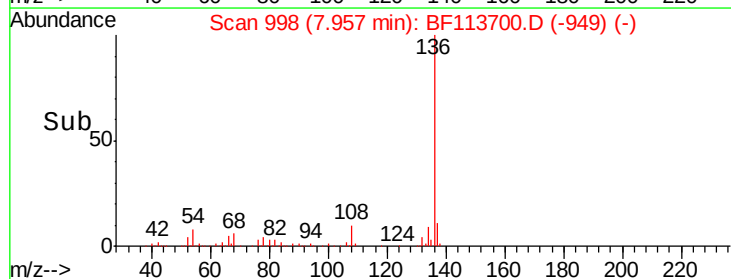
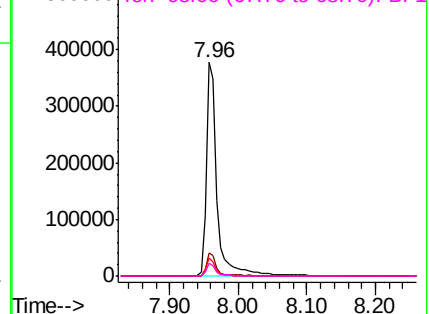
137 11.1 8.9 13.3

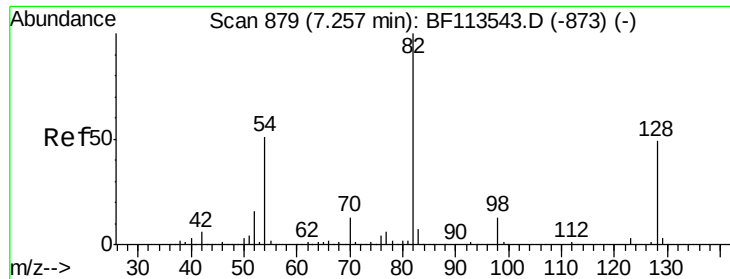
54 8.4 7.0 10.6

68 6.2 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

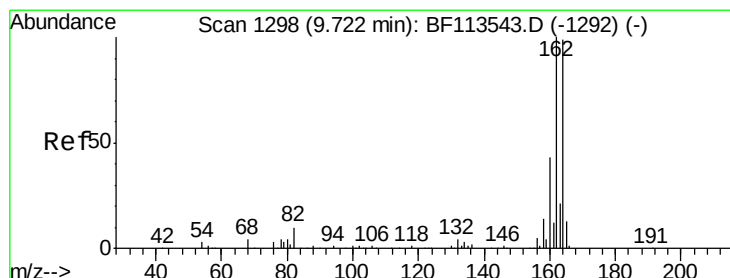
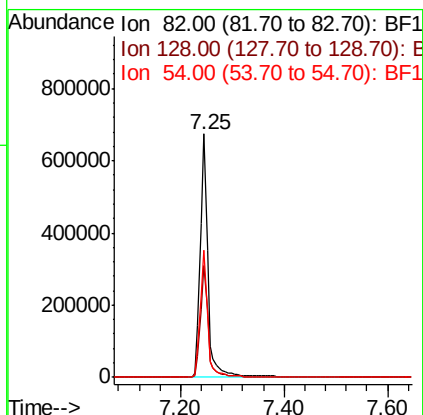
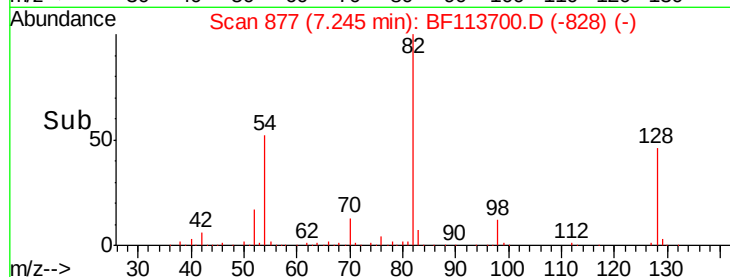
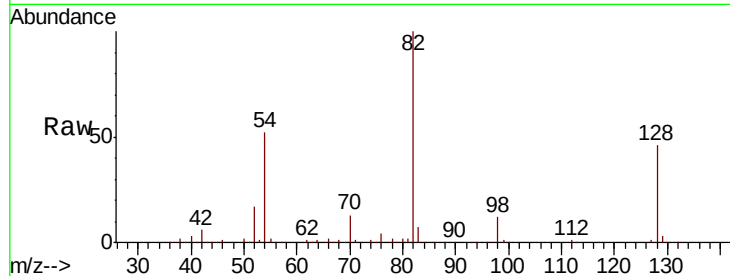




#23  
Nitrobenzene-d5  
Concen: 96.727 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF113700.D  
Acq: 10 Apr 2019 16:59

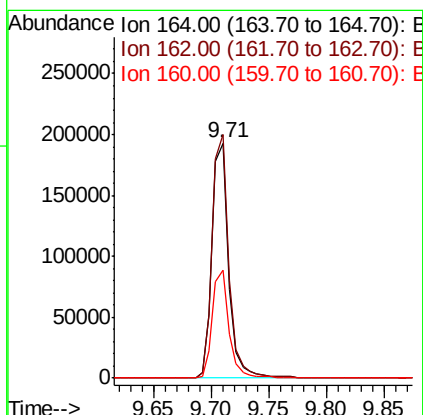
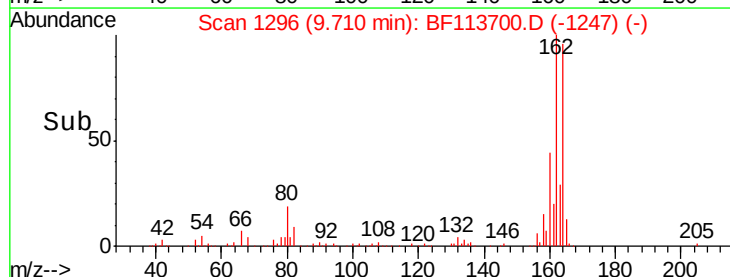
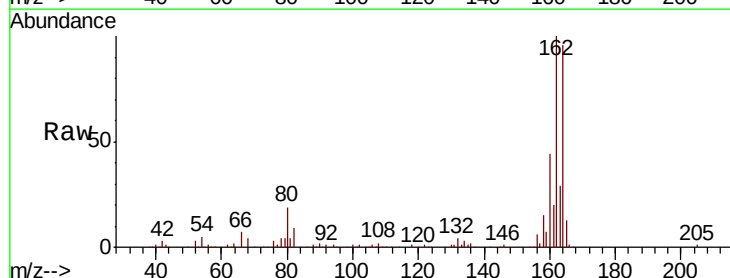
Instrument :  
BNA\_F  
ClientSampleId :  
EO-01-040919-A

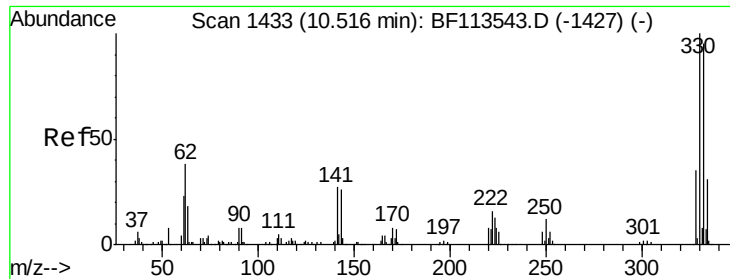
Tot Ion: 82 Resp: 691827  
Ion Ratio Lower Upper  
82 100  
128 45.9 36.5 54.7  
54 52.0 42.2 63.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF113700.D  
Acq: 10 Apr 2019 16:59

Tgt Ion:164 Resp: 193804  
Ion Ratio Lower Upper  
164 100  
162 103.7 81.8 122.6  
160 46.0 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 139.533 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113700.D

Acq: 10 Apr 2019 16:59

Instrument :

BNA\_F

ClientSampleId :

EO-01-040919-A

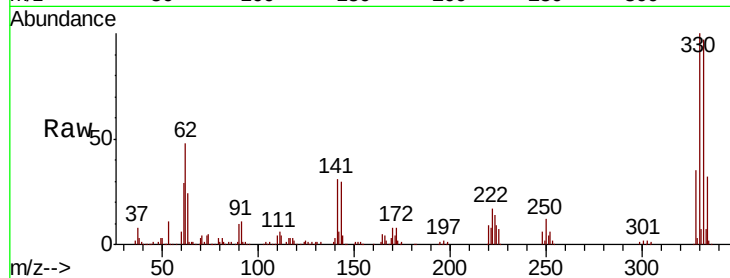
Tot Ion:330 Resp: 324842

Ion Ratio Lower Upper

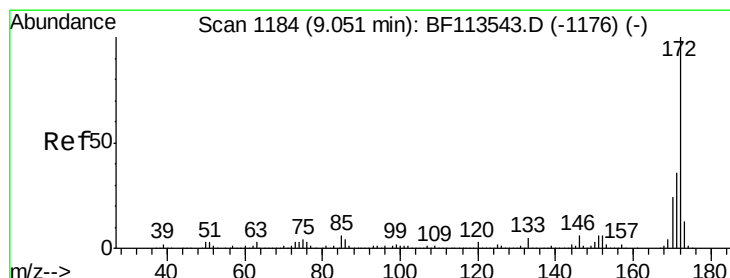
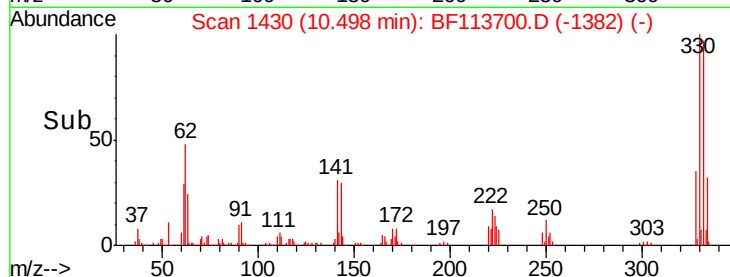
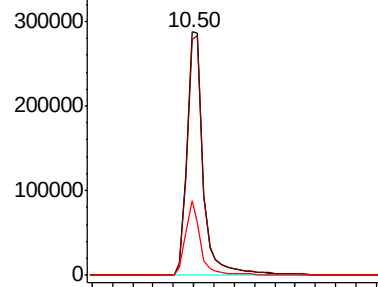
330 100

332 98.7 77.8 116.6

141 28.1 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: 106.494 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF113700.D

Acq: 10 Apr 2019 16:59

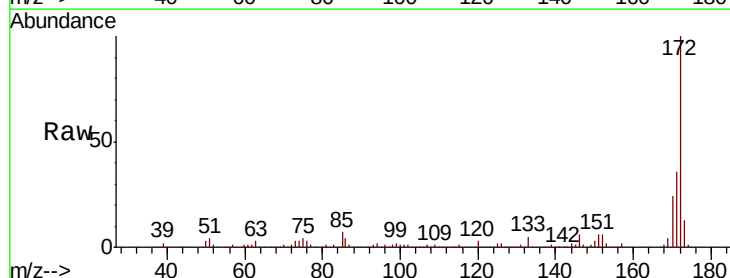
Tgt Ion:172 Resp: 1282010

Ion Ratio Lower Upper

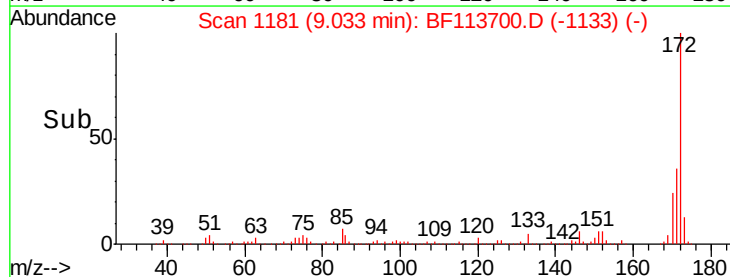
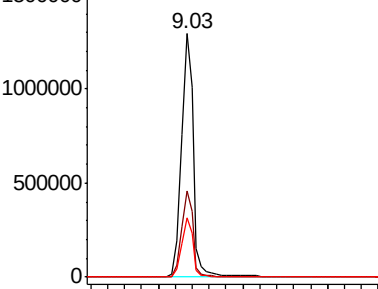
172 100

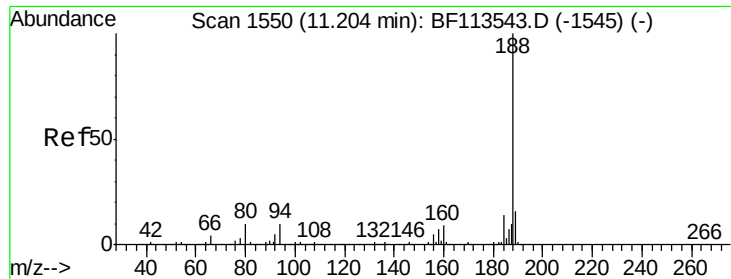
171 35.6 29.0 43.6

170 24.2 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

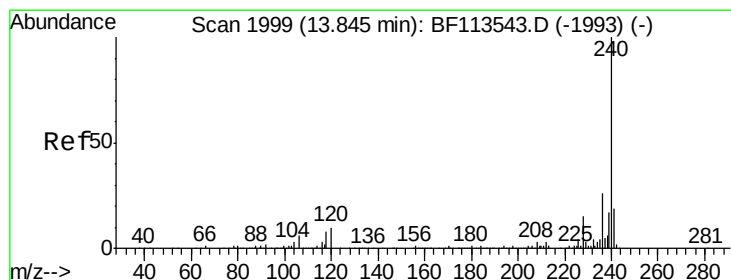
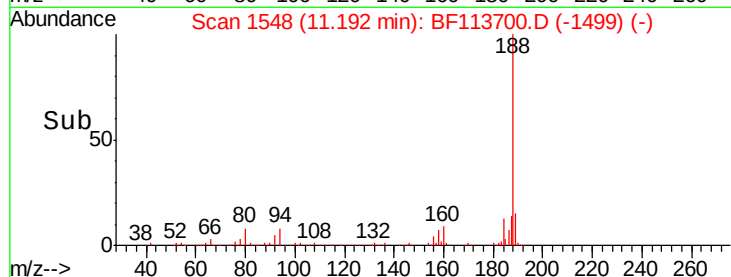
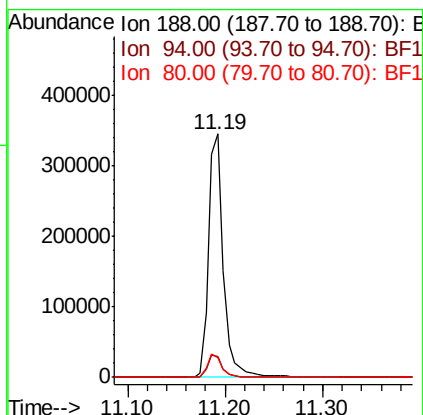
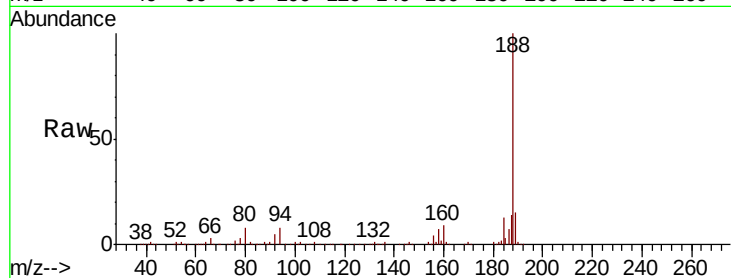




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.01 min  
 Lab File: BF113700.D  
 Acq: 10 Apr 2019 16:59

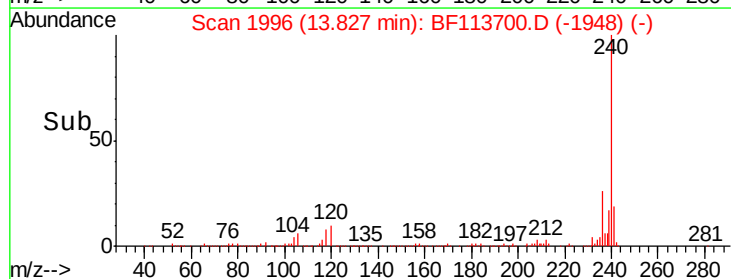
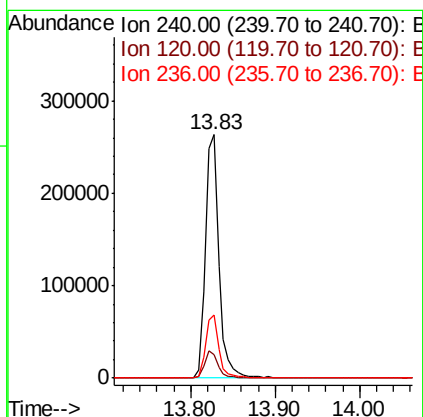
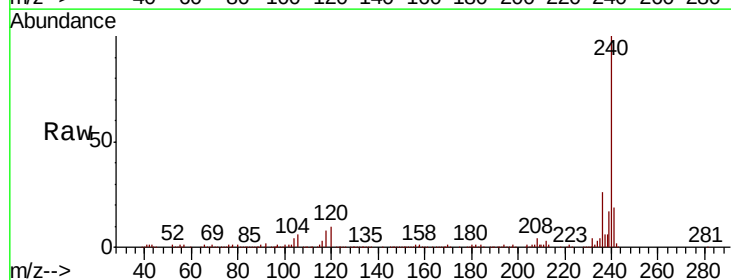
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-01-040919-A

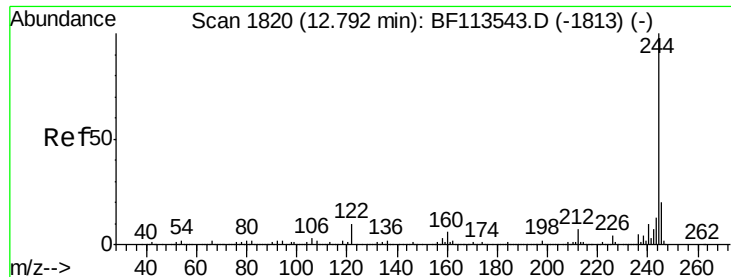
Tot Ion:188 Resp: 363426  
 Ion Ratio Lower Upper  
 188 100  
 94 8.4 7.0 10.6  
 80 8.3 7.7 11.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. -0.02 min  
 Lab File: BF113700.D  
 Acq: 10 Apr 2019 16:59

Tgt Ion:240 Resp: 292969  
 Ion Ratio Lower Upper  
 240 100  
 120 9.6 8.8 13.2  
 236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 83.438 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113700.D

Acq: 10 Apr 2019 16:59

Instrument :

BNA\_F

ClientSampleId :

EO-01-040919-A

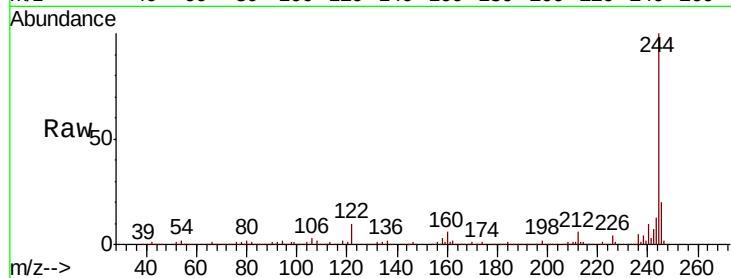
Tot Ion:244 Resp: 1200612

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

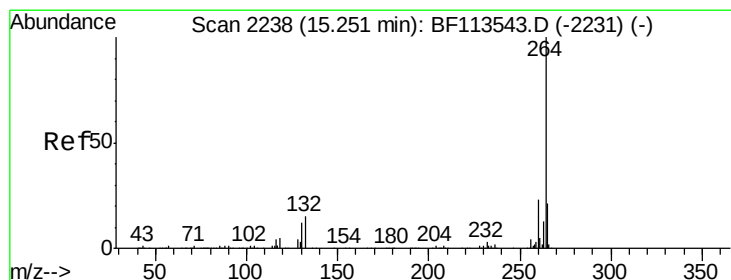
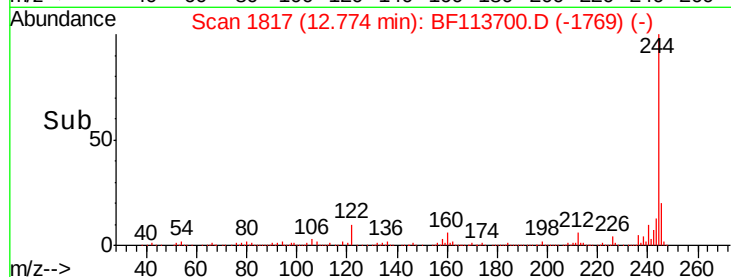
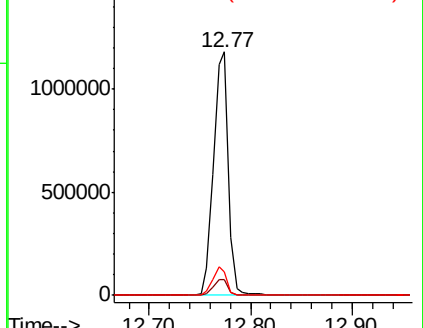
122 9.6 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113700.D

Acq: 10 Apr 2019 16:59

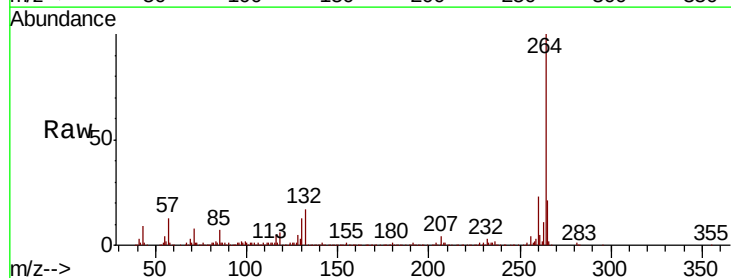
Tgt Ion:264 Resp: 272032

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.3 17.1 25.7



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

