

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF041519\  
 Data File : BF113783.D  
 Acq On : 16 Apr 2019 00:52  
 Operator : JU/SJ  
 Sample : K2405-02 10X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1D(0-24)

Quant Time: Apr 16 04:03:55 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  | 104239   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.96  | 136  | 397713   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.70  | 164  | 171402   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.19 | 188  | 310245   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.83 | 240  | 309149   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 15.24 | 264  | 256218   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 59786    | 9.78  | ng    | 0.02     |
| 7) Phenol-d6                | 6.36  | 99   | 82798    | 10.99 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 47059    | 6.93  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 18453    | 8.96  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 104625   | 9.83  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.77 | 244  | 105306   | 6.94  | ng    | -0.02    |

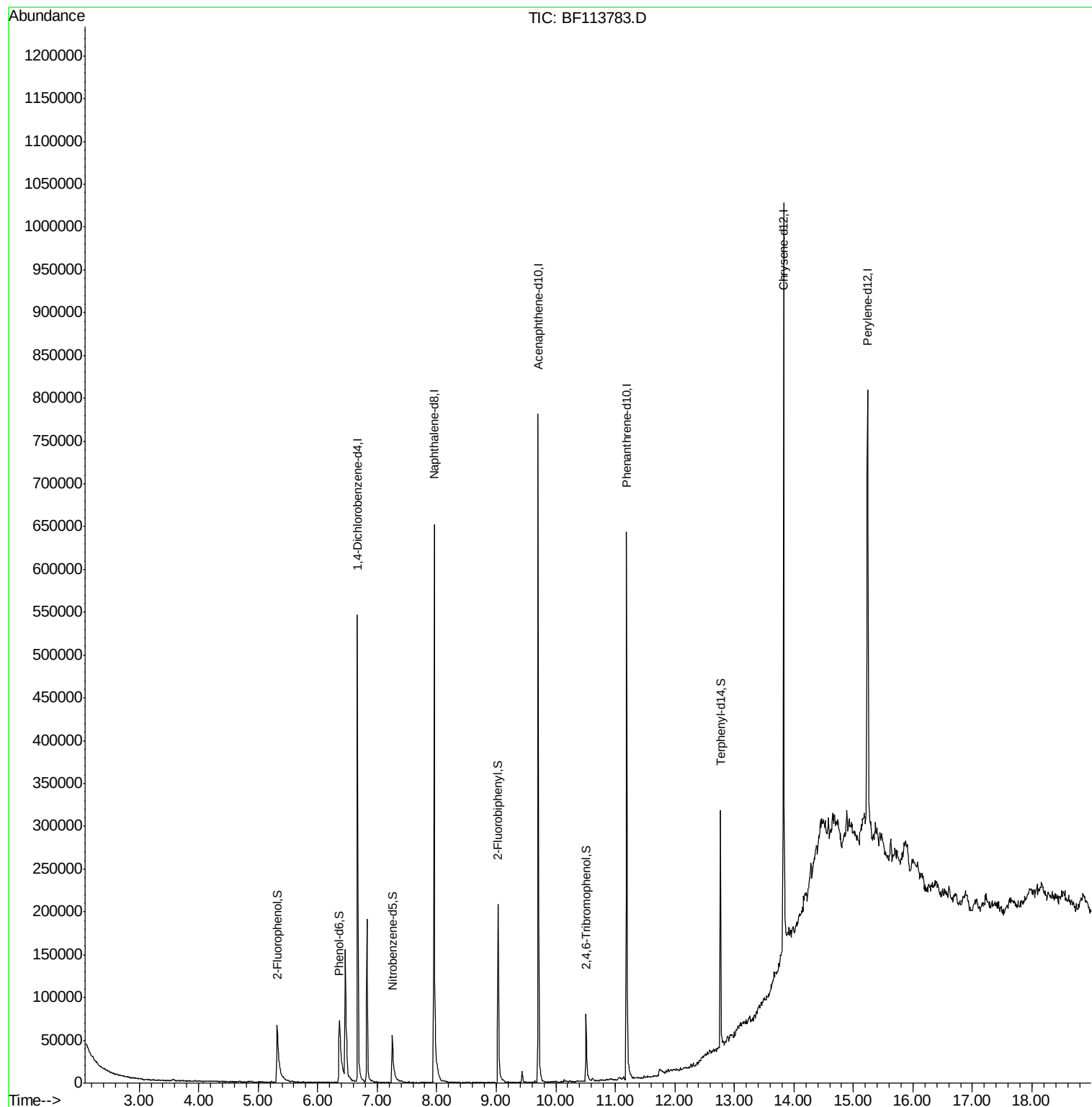
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

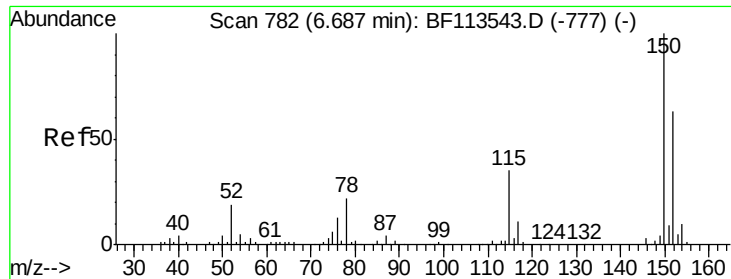
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JU/SJ  
Sample : K2405-02 10X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1D(0-24)

Quant Time: Apr 16 04:03:55 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



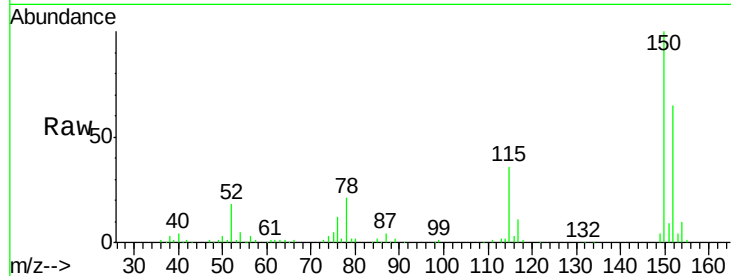


#1

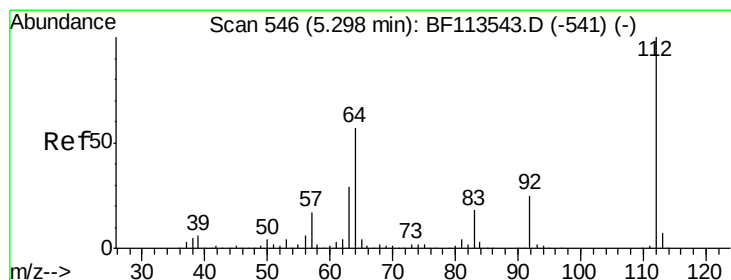
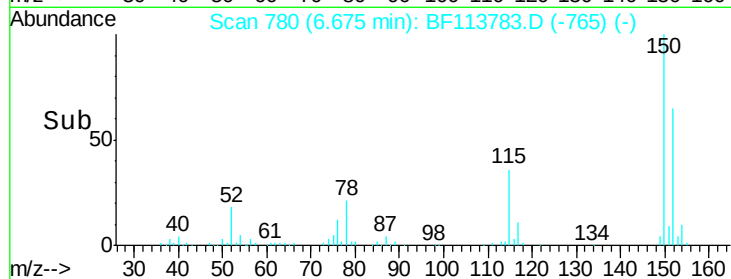
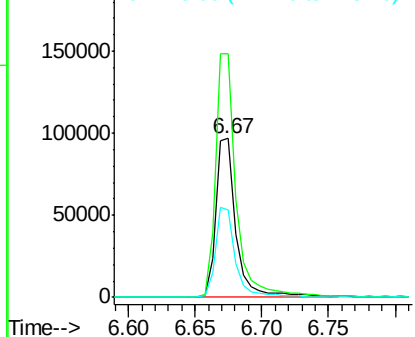
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113783.D  
Acq: 16 Apr 2019 00:52

Instrument :  
BNA\_F  
ClientSampleId :  
B-1D(0-24)

Tgt Ion:152 Resp: 104239  
Ion Ratio Lower Upper  
152 100  
150 153.4 124.7 187.1  
115 55.4 46.0 69.0



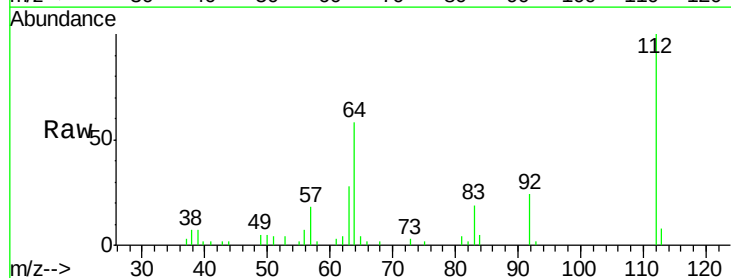
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



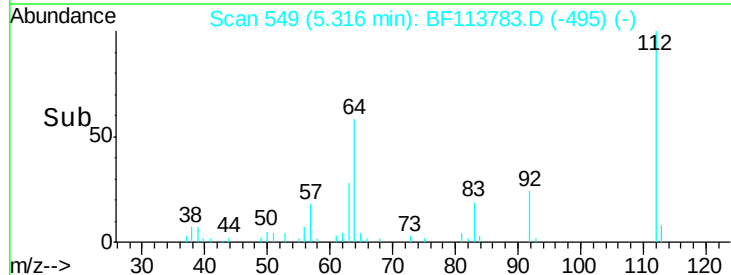
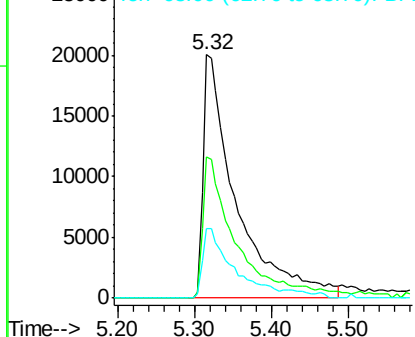
#5

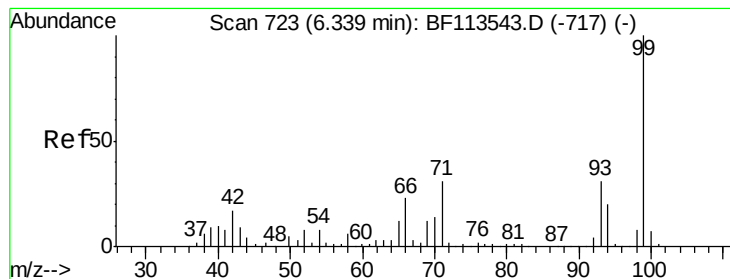
2-Fluorophenol  
Concen: 9.780 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.02 min  
Lab File: BF113783.D  
Acq: 16 Apr 2019 00:52

Tgt Ion:112 Resp: 59786  
Ion Ratio Lower Upper  
112 100  
64 57.9 49.2 73.8  
63 28.3 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: 10.990 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.02 min

Lab File: BF113783.D

Acq: 16 Apr 2019 00:52

Instrument :

BNA\_F

ClientSampleId :

B-1D(0-24)

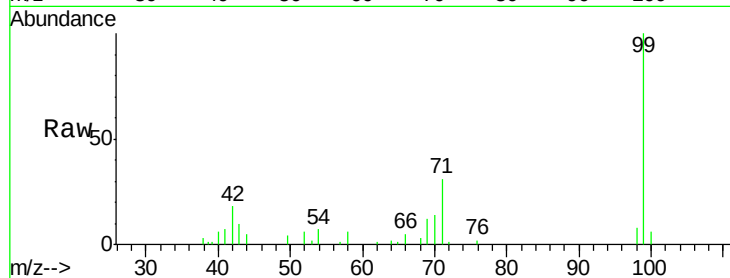
Tgt Ion: 99 Resp: 82798

Ion Ratio Lower Upper

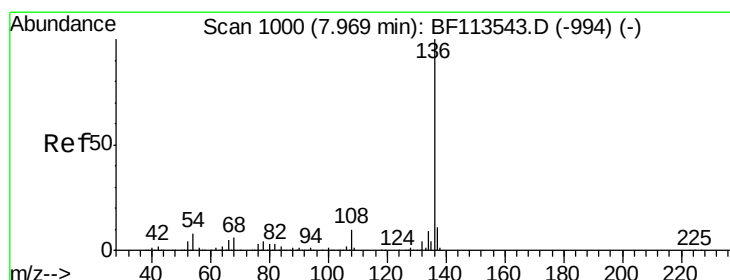
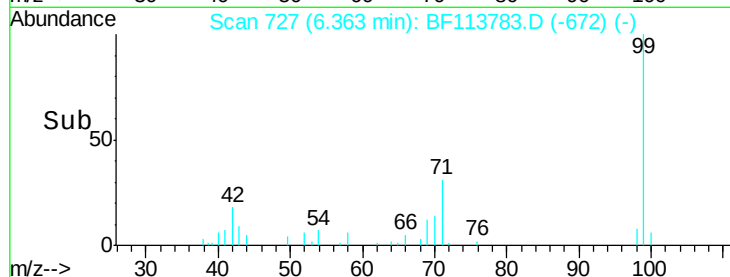
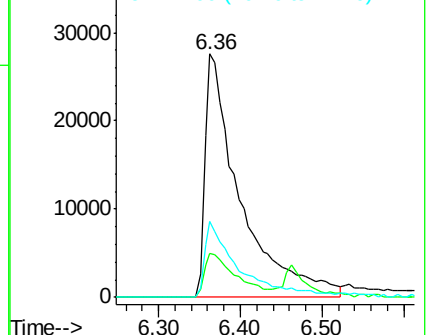
99 100

42 18.1 14.8 22.2

71 31.1 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: BF113783.D

Acq: 16 Apr 2019 00:52

Tgt Ion: 136 Resp: 397713

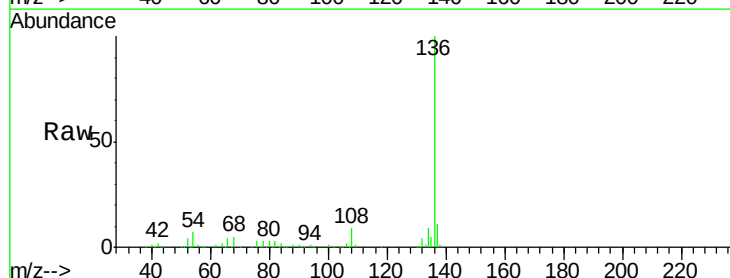
Ion Ratio Lower Upper

136 100

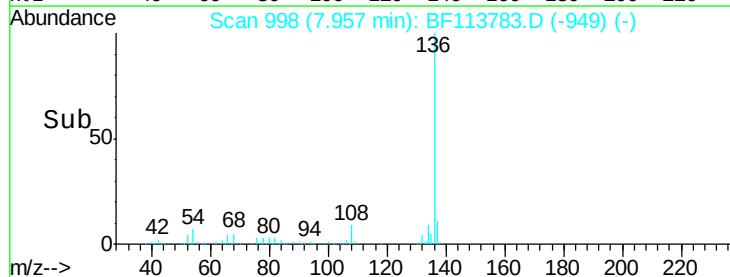
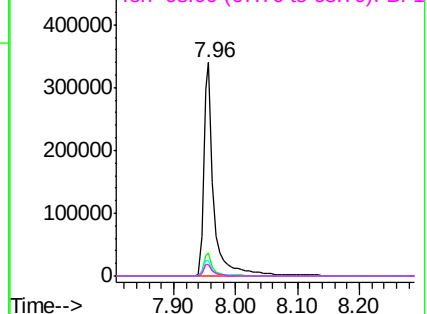
137 10.9 8.9 13.3

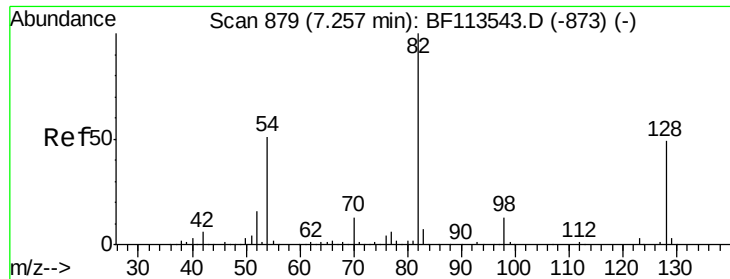
54 7.1 7.0 10.6

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

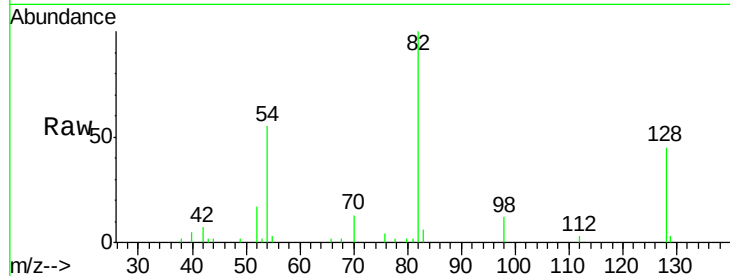




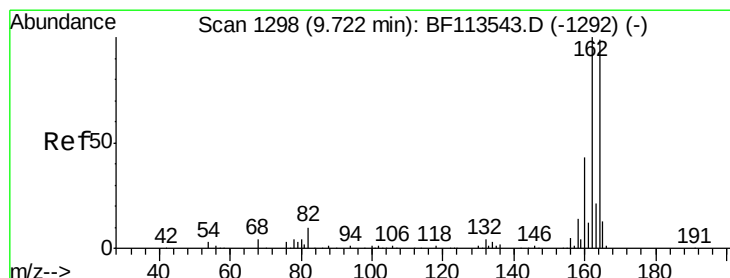
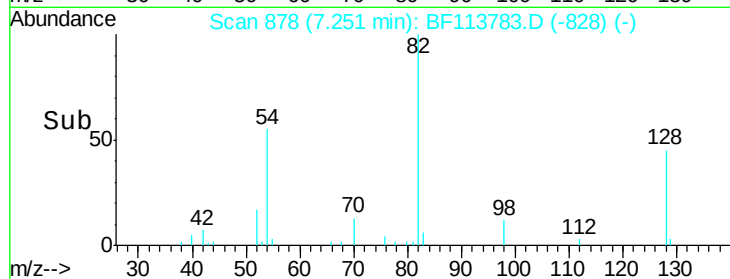
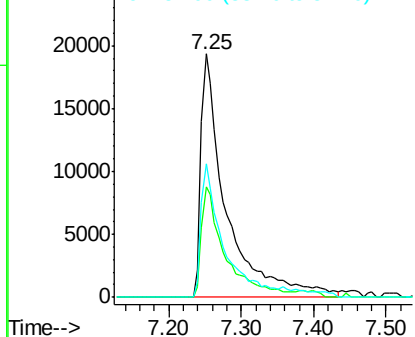
#23  
 Nitrobenzene-d5  
 Concen: 6.931 ng  
 RT: 7.25 min Scan# 878  
 Delta R.T. -0.01 min  
 Lab File: BF113783.D  
 Acq: 16 Apr 2019 00:52

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-1D(0-24)

Tgt Ion: 82 Resp: 47059  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 36.5 54.7  
 54 54.8 42.2 63.2

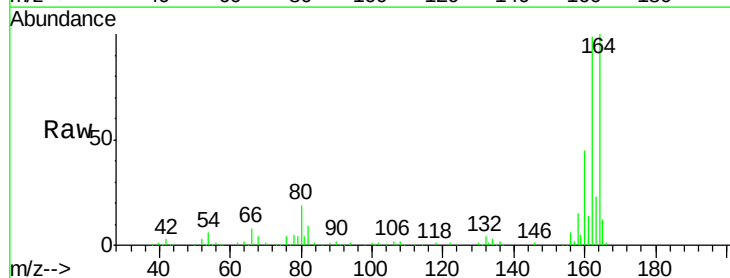


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

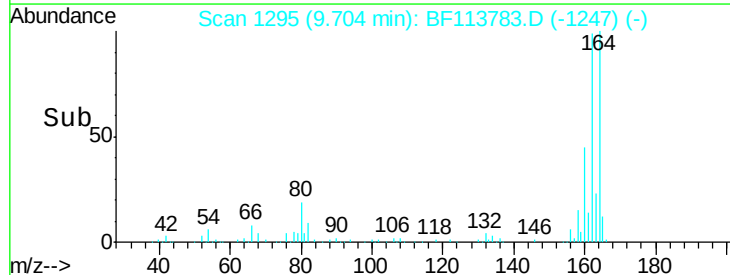
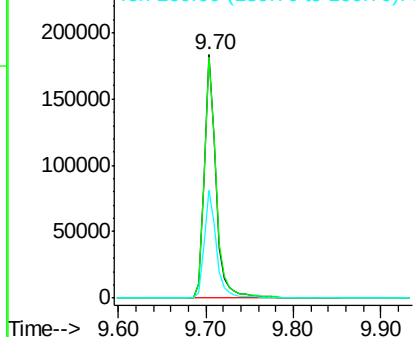


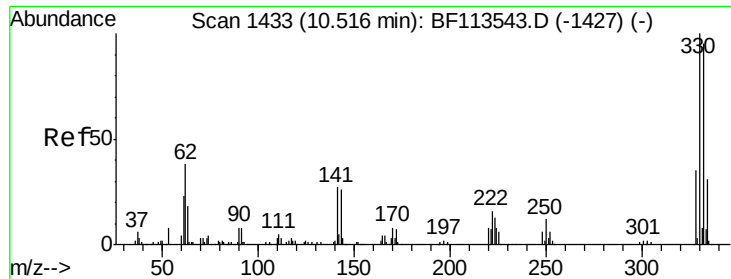
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.70 min Scan# 1295  
 Delta R.T. -0.02 min  
 Lab File: BF113783.D  
 Acq: 16 Apr 2019 00:52

Tgt Ion: 164 Resp: 171402  
 Ion Ratio Lower Upper  
 164 100  
 162 99.0 81.8 122.6  
 160 44.6 36.4 54.6



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: 8.962 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF113783.D

Acq: 16 Apr 2019 00:52

Instrument :

BNA\_F

ClientSampleId :

B-1D(0-24)

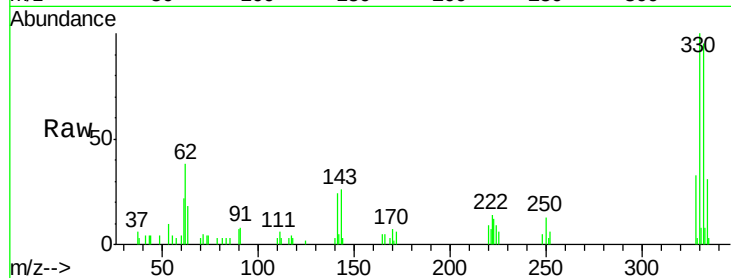
Tgt Ion:330 Resp: 18453

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

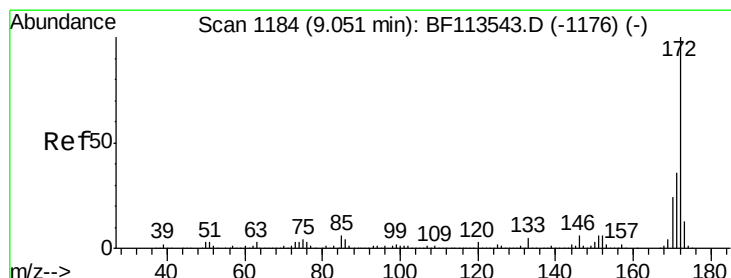
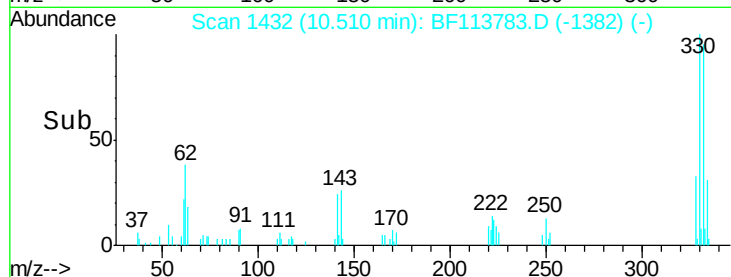
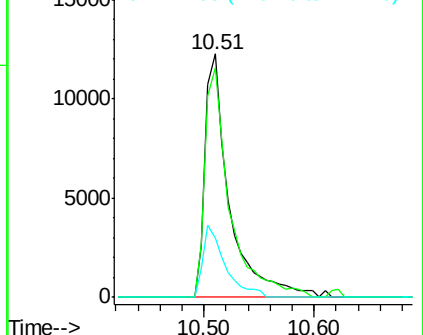
141 26.4 22.7 34.1



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: 9.827 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF113783.D

Acq: 16 Apr 2019 00:52

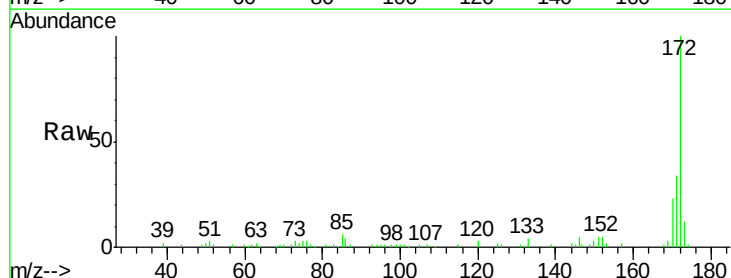
Tgt Ion:172 Resp: 104625

Ion Ratio Lower Upper

172 100

171 33.6 29.0 43.6

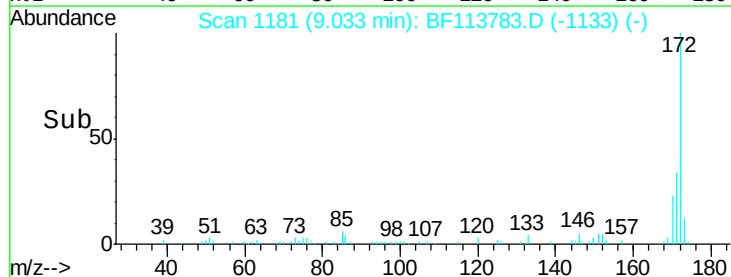
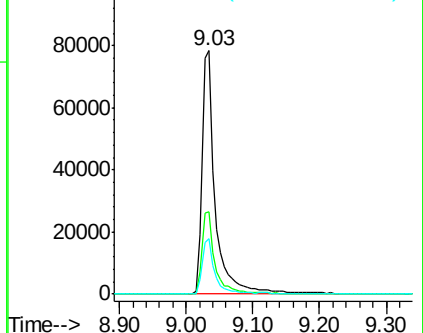
170 22.6 19.5 29.3

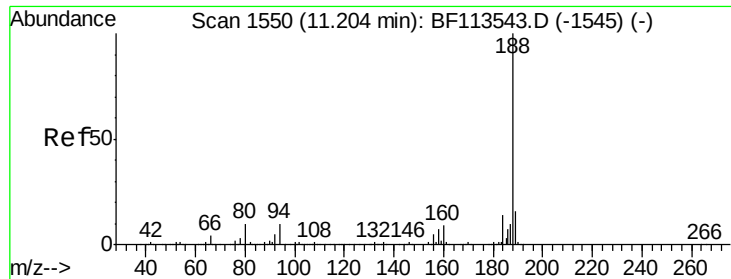


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

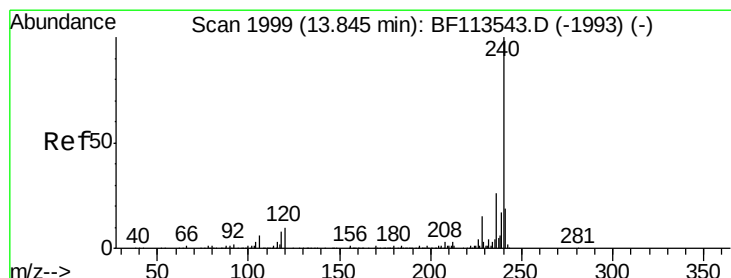
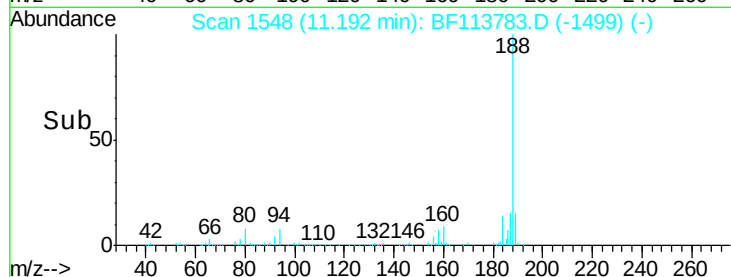
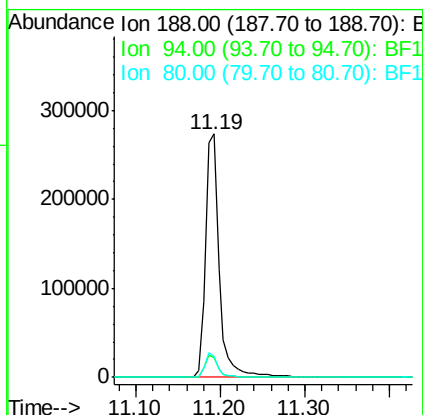
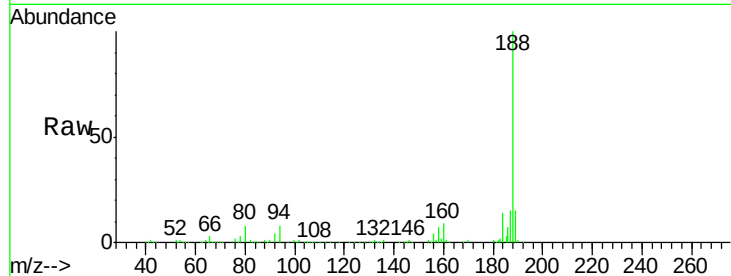




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1548  
Delta R.T. -0.01 min  
Lab File: BF113783.D  
Acq: 16 Apr 2019 00:52

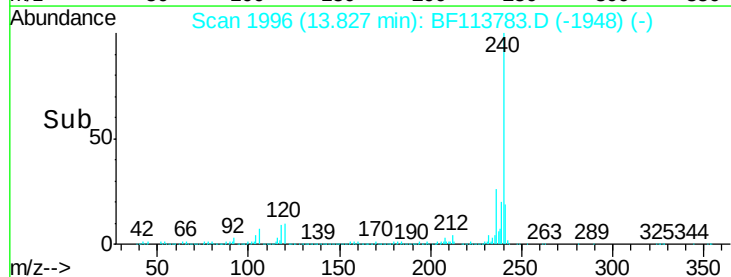
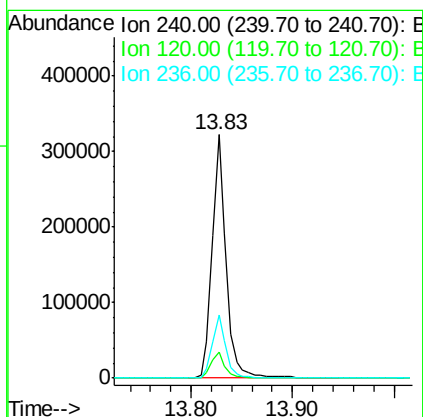
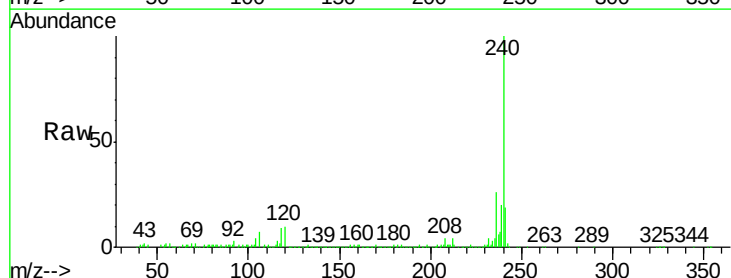
Instrument :  
BNA\_F  
ClientSampleId :  
B-1D(0-24)

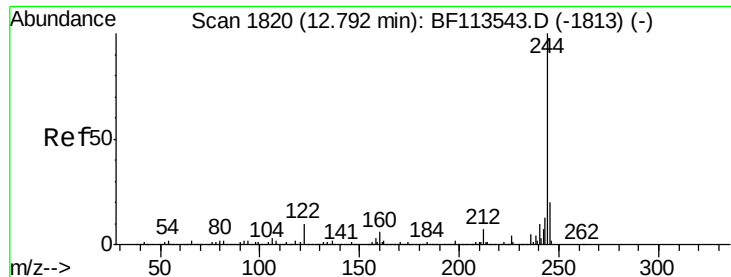
Tgt Ion:188 Resp: 310245  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.0 10.6  
80 8.5 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.02 min  
Lab File: BF113783.D  
Acq: 16 Apr 2019 00:52

Tgt Ion:240 Resp: 309149  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.8 13.2  
236 25.8 20.9 31.3





#79

Terphenyl-d14

Concen: 6.935 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113783.D

Acq: 16 Apr 2019 00:52

Instrument :

BNA\_F

ClientSampleId :

B-1D(0-24)

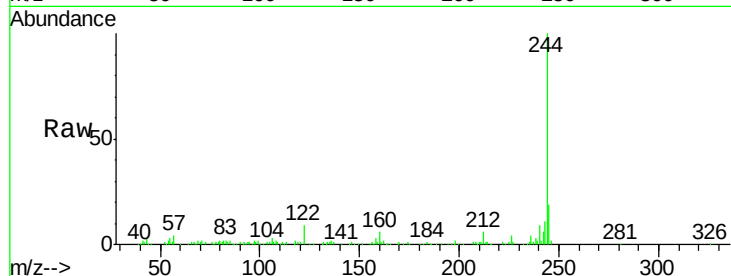
Tgt Ion:244 Resp: 105306

Ion Ratio Lower Upper

244 100

212 5.9 5.5 8.3

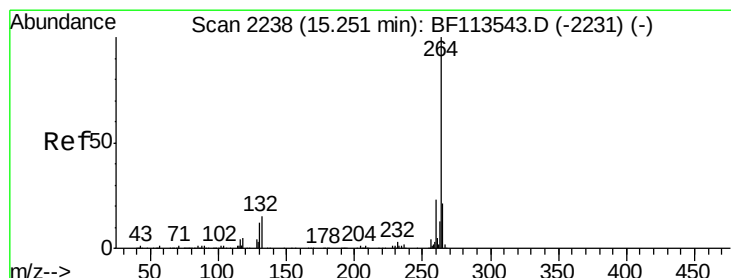
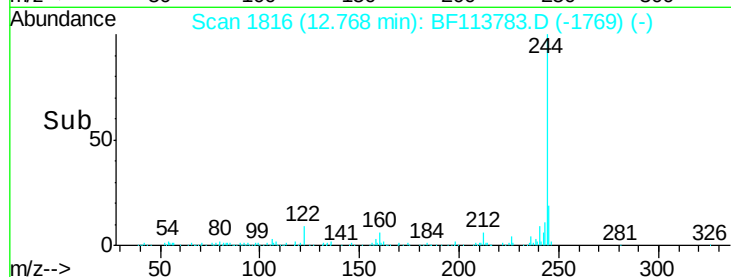
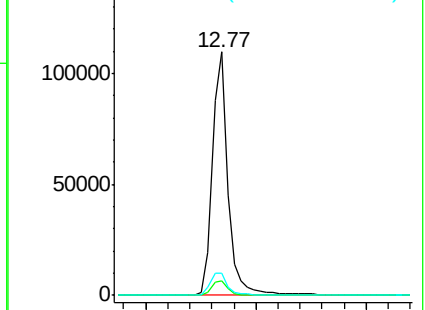
122 8.9 8.6 13.0



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: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113783.D

Acq: 16 Apr 2019 00:52

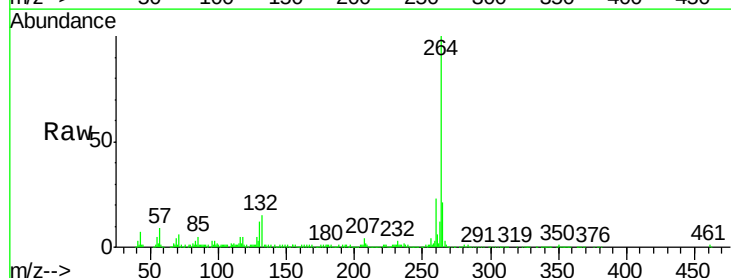
Tgt Ion:264 Resp: 256218

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 21.0 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

