

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\  
 Data File : BF116052.D  
 Acq On : 7 Aug 2019 17:33  
 Operator : HP/JU  
 Sample : K4154-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-2

Quant Time: Aug 08 08:06:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

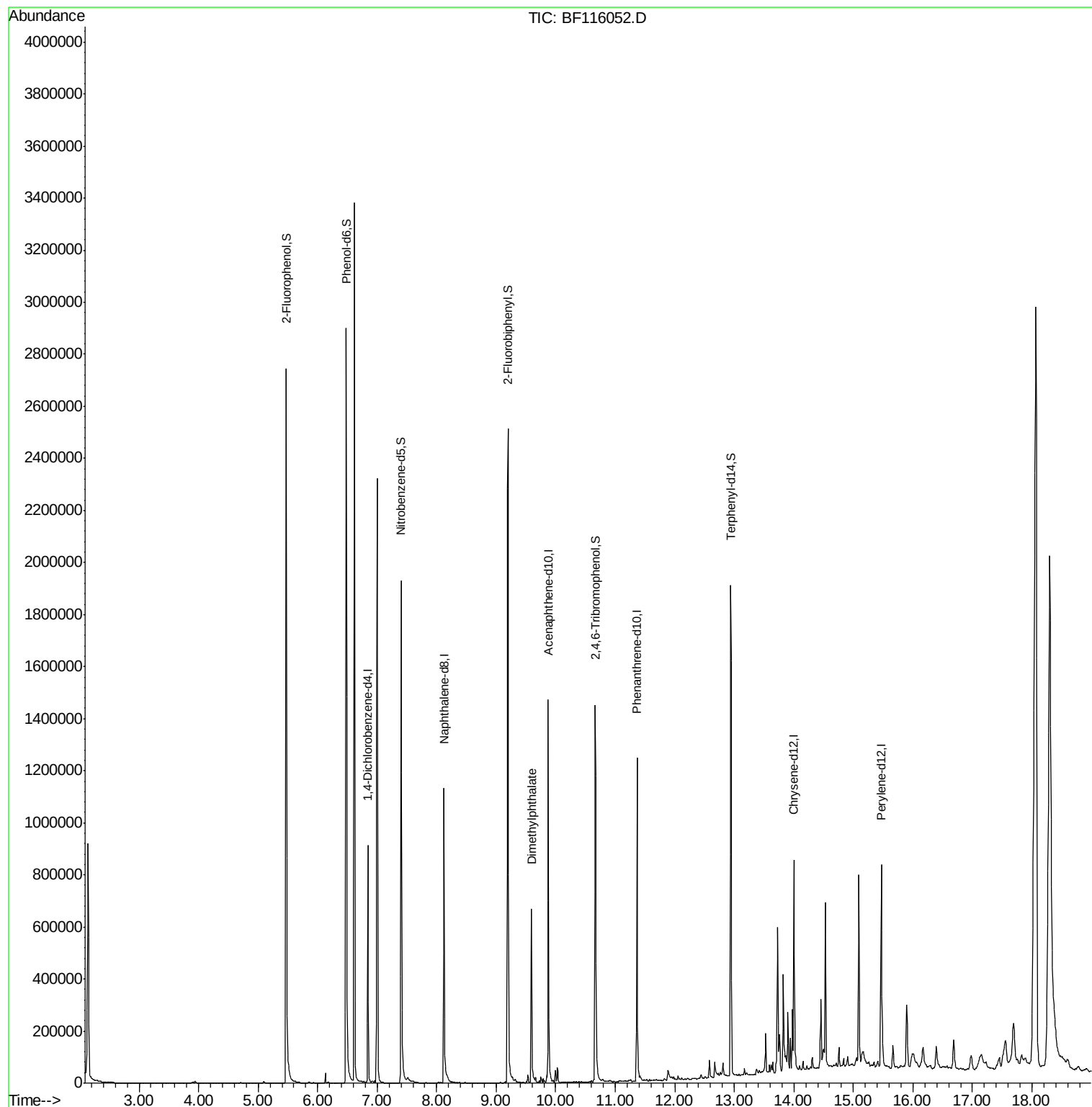
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 145806   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.12  | 136  | 575085   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.87  | 164  | 292583   | 20.00  | ng    | -0.01     |
| 64) Phenanthrene-d10        | 11.36 | 188  | 479282   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 14.00 | 240  | 275782   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 15.47 | 264  | 360715   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.47  | 112  | 903145   | 103.69 | ng    | 0.00      |
| 7) Phenol-d6                | 6.48  | 99   | 1160577  | 105.61 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 701331   | 70.39  | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 209644   | 73.90  | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 879293   | 56.29  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.94 | 244  | 640501   | 48.94  | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 9.59  | 163  | 340345   | 17.084 | ng    | Qvalue 99 |

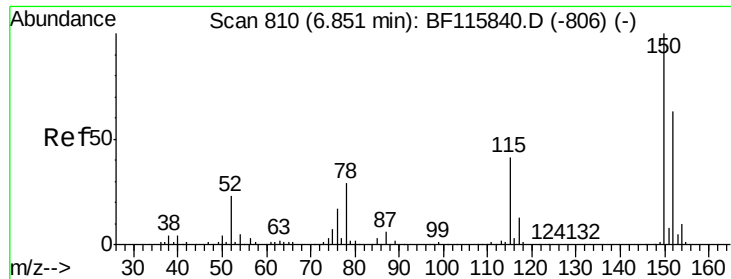
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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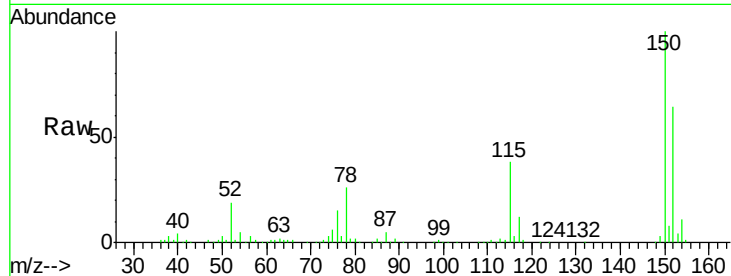


#1

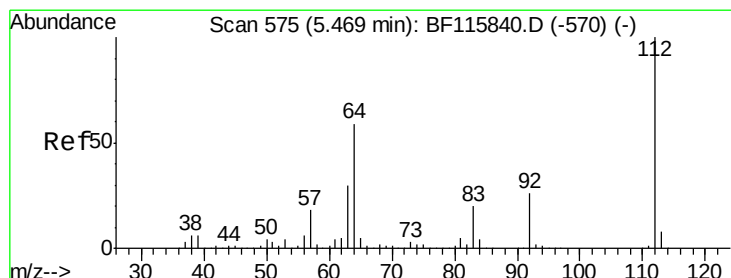
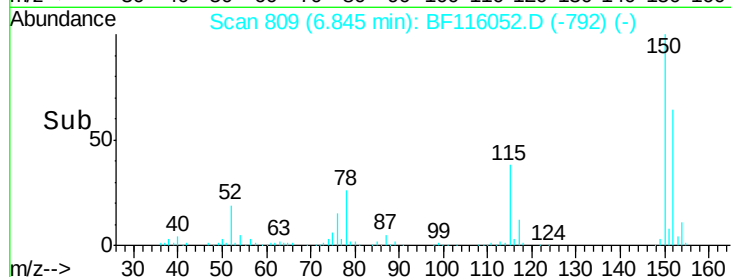
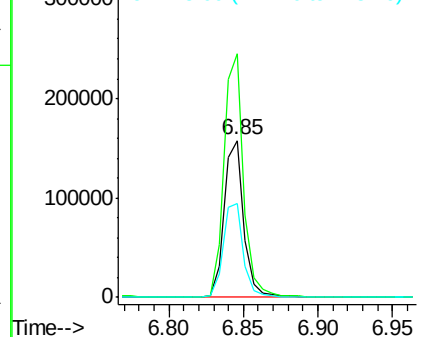
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF116052.D  
Acq: 7 Aug 2019 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PS-2

Tot Ion:152 Resp: 145806  
Ion Ratio Lower Upper  
152 100  
150 155.4 126.2 189.2  
115 59.8 49.9 74.9



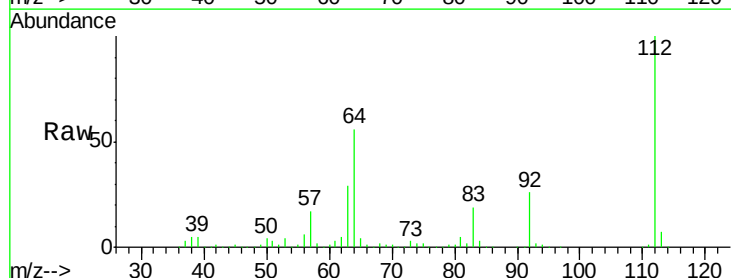
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



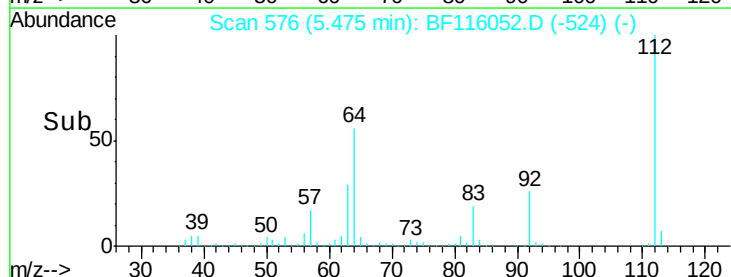
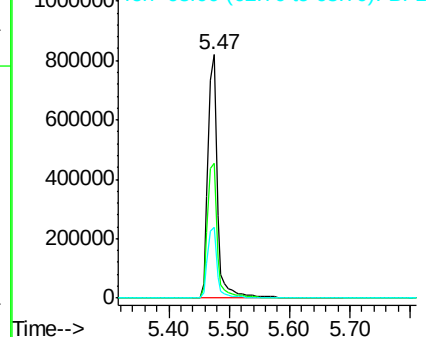
#5

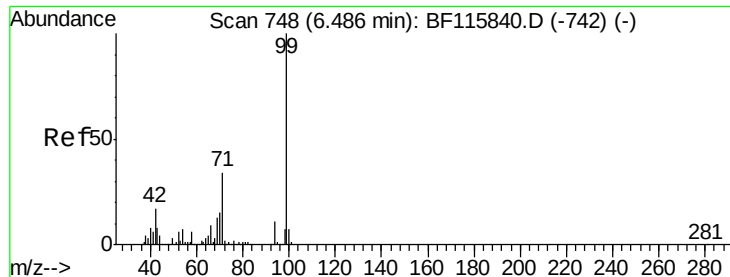
2-Fluorophenol  
Concen: 103.694 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF116052.D  
Acq: 7 Aug 2019 17:33

Tgt Ion:112 Resp: 903145  
Ion Ratio Lower Upper  
112 100  
64 55.6 45.4 68.2  
63 28.9 23.7 35.5



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: 105.614 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA\_F

ClientSampled :

PS-2

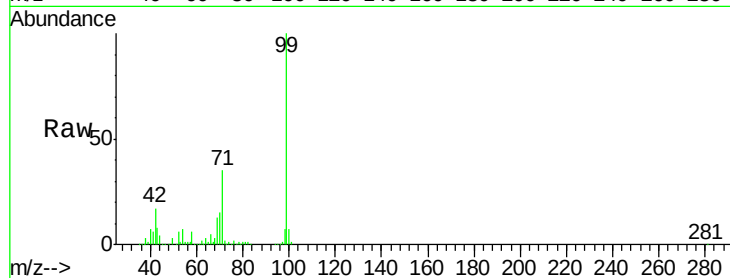
Tot Ion: 99 Resp: 1160577

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

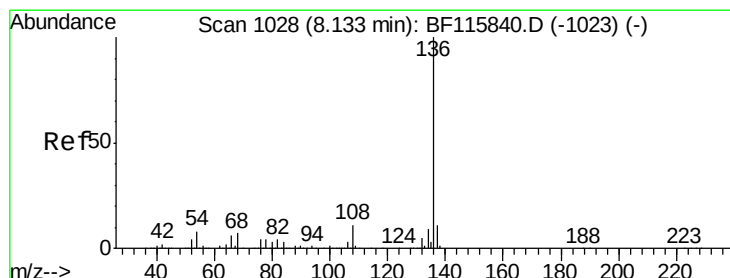
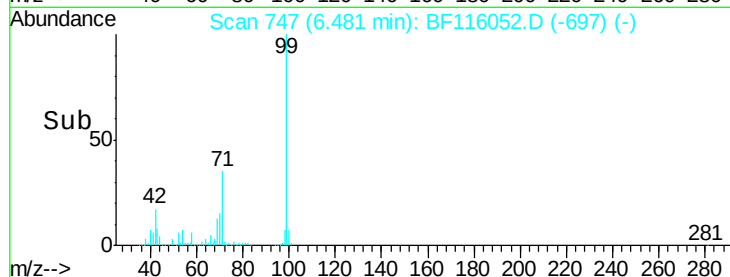
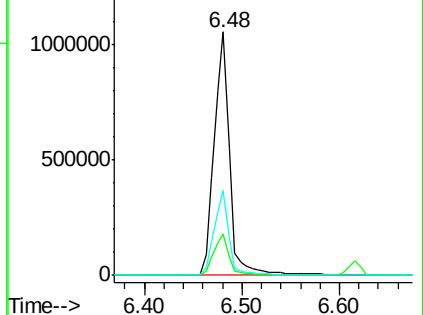
71 34.8 27.3 40.9



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

Tgt Ion: 136 Resp: 575085

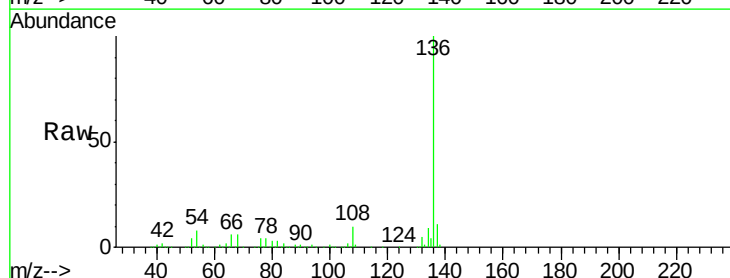
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.6 5.8 8.6

68 6.1 5.2 7.8

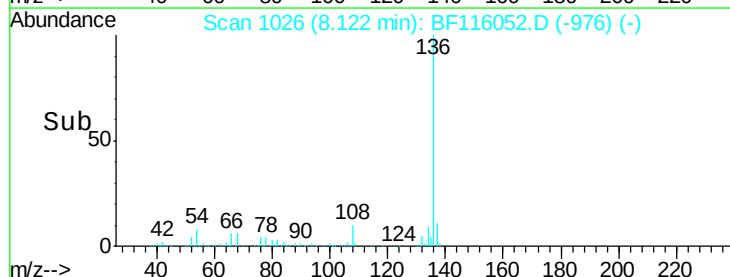
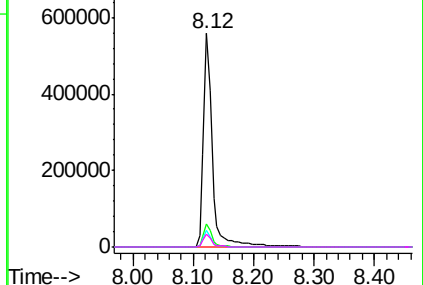


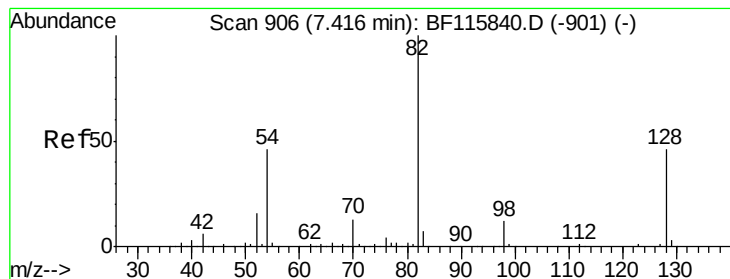
Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.395 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA\_F

ClientSampled :

PS-2

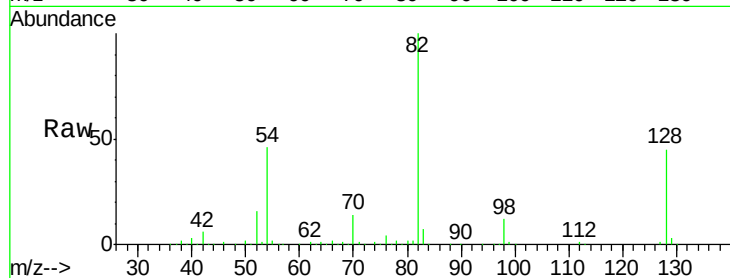
Tot Ion: 82 Resp: 701331

Ion Ratio Lower Upper

82 100

128 45.0 36.5 54.7

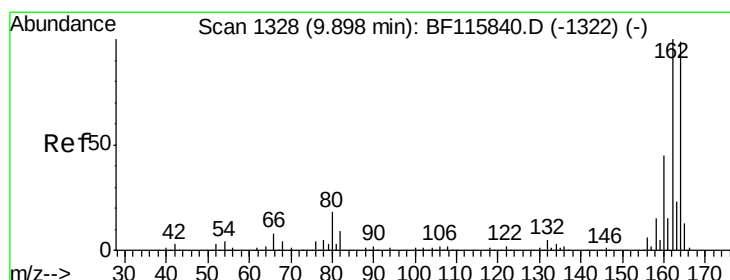
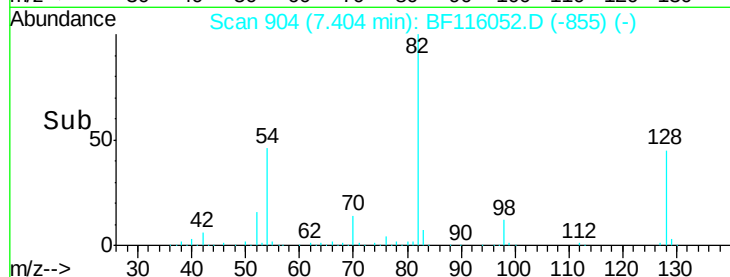
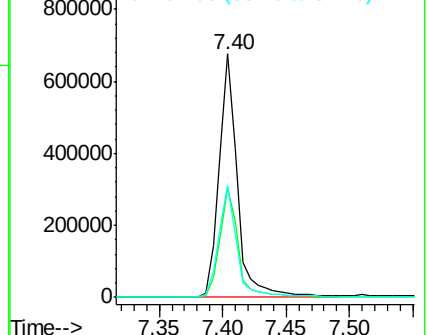
54 45.7 36.0 54.0



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

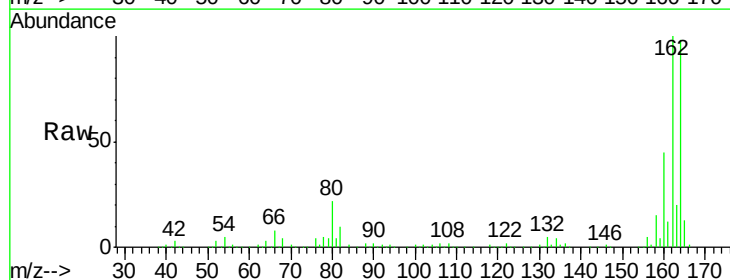
Tgt Ion: 164 Resp: 292583

Ion Ratio Lower Upper

164 100

162 102.1 82.6 124.0

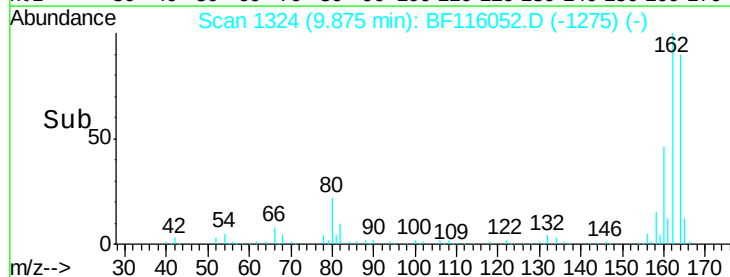
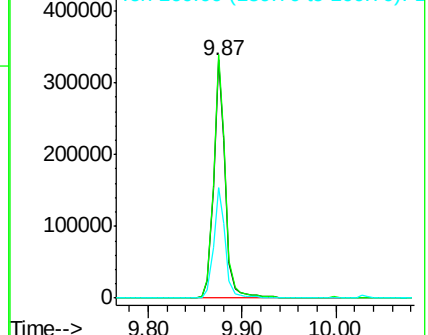
160 46.3 37.6 56.4

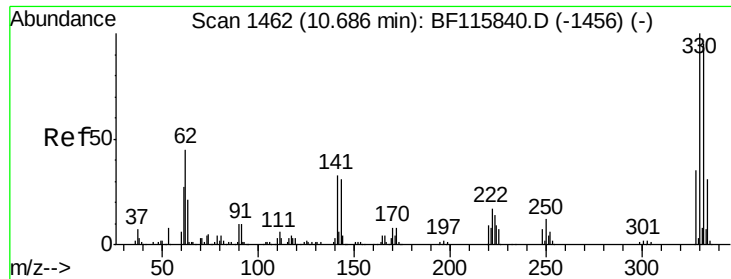


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 73.905 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA\_F

ClientSampled :

PS-2

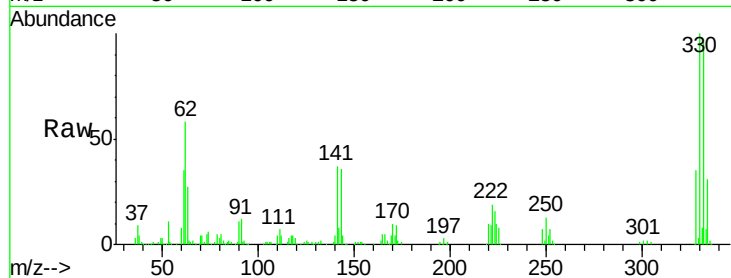
Tot Ion:330 Resp: 209644

Ion Ratio Lower Upper

330 100

332 95.1 76.8 115.2

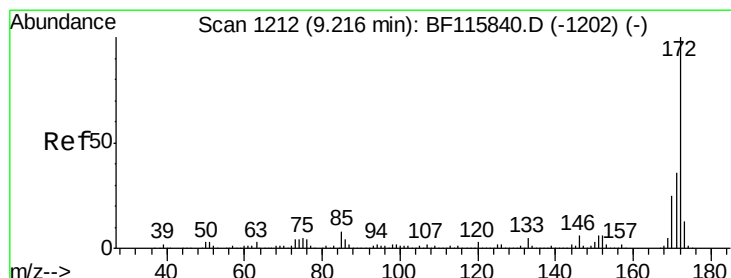
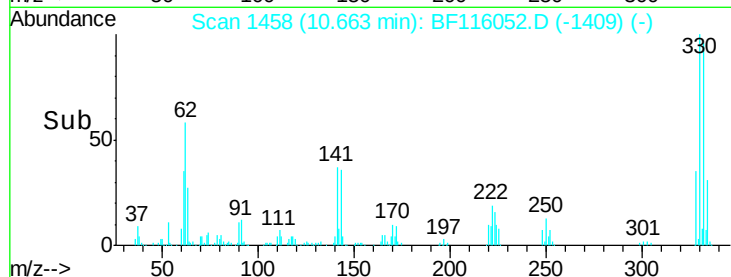
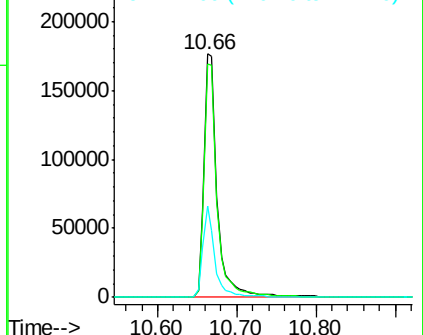
141 34.3 26.3 39.5



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: 56.291 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

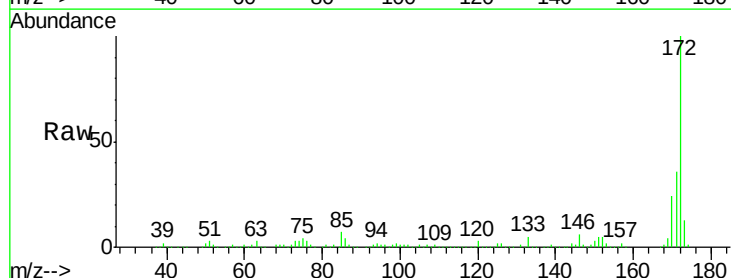
Tgt Ion:172 Resp: 879293

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

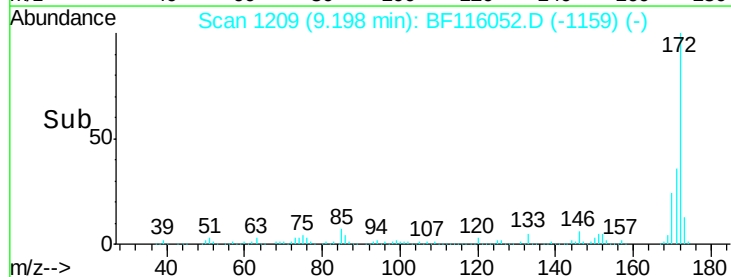
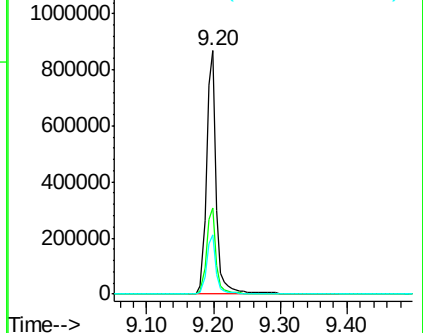
170 24.4 20.1 30.1

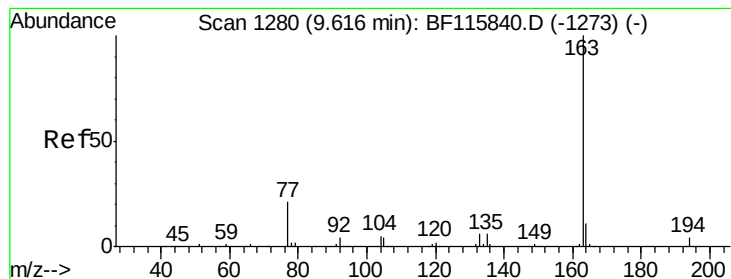


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 17.084 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

Instrument :

BNA\_F

ClientSampleId :

PS-2

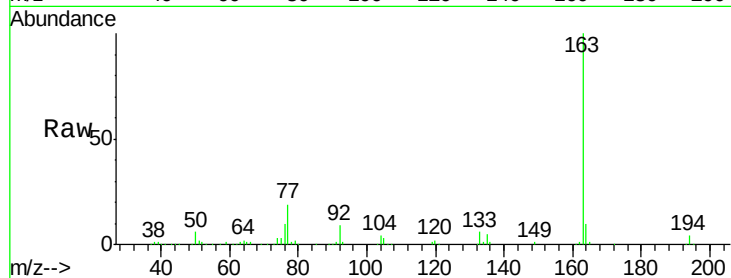
Tot Ion:163 Resp: 340345

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

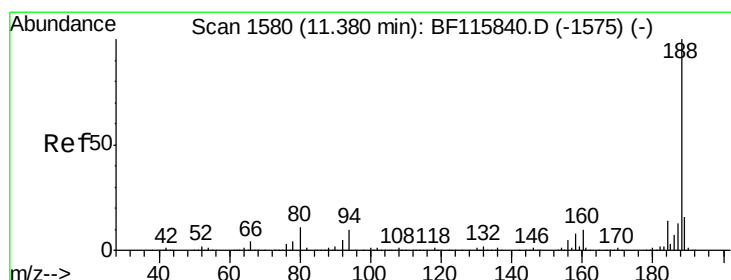
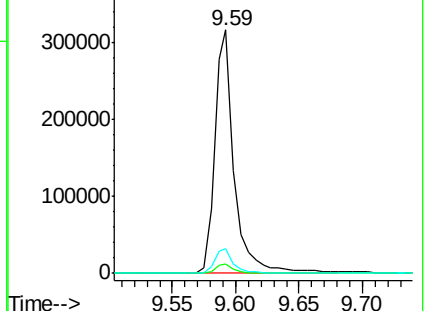
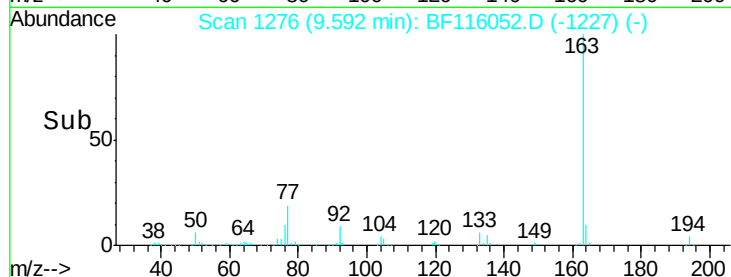
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116052.D

Acq: 7 Aug 2019 17:33

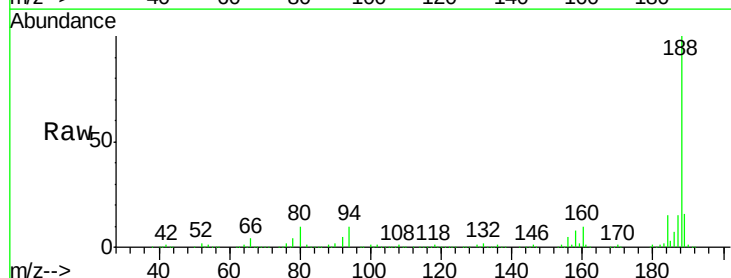
Tgt Ion:188 Resp: 479282

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

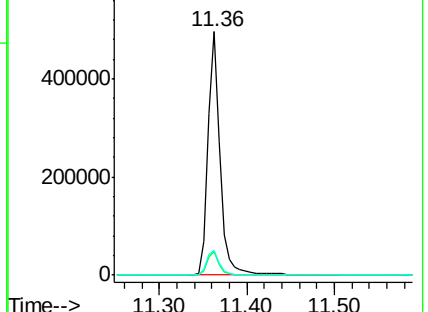
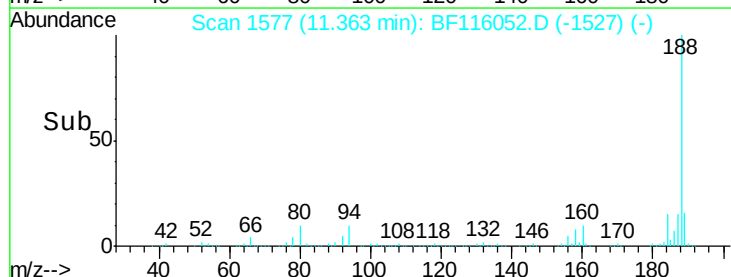
80 10.1 8.7 13.1

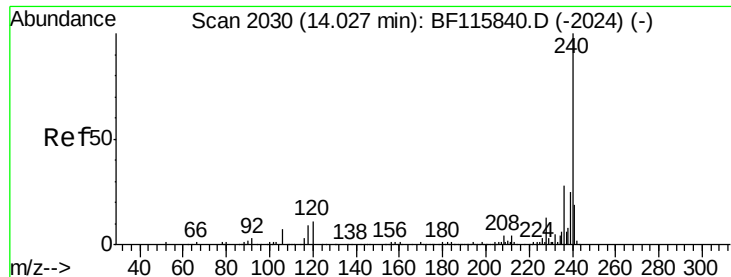


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

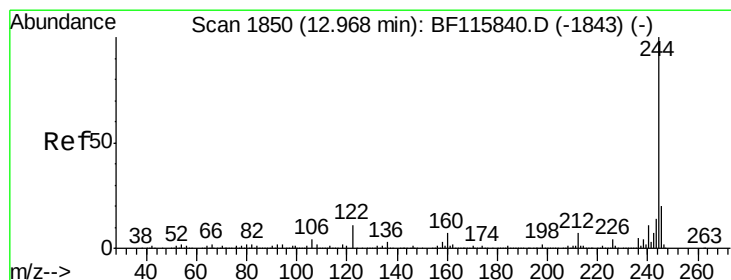
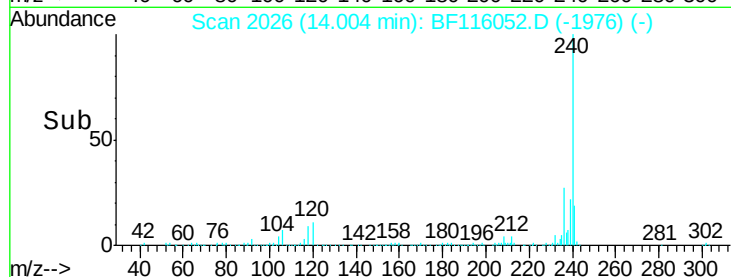
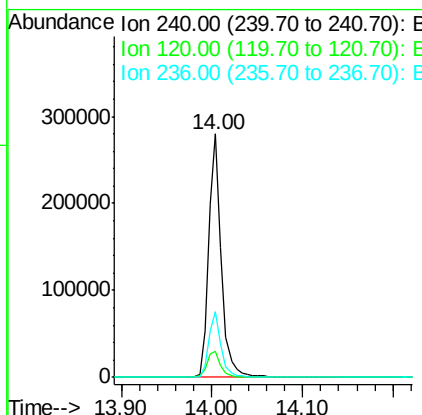
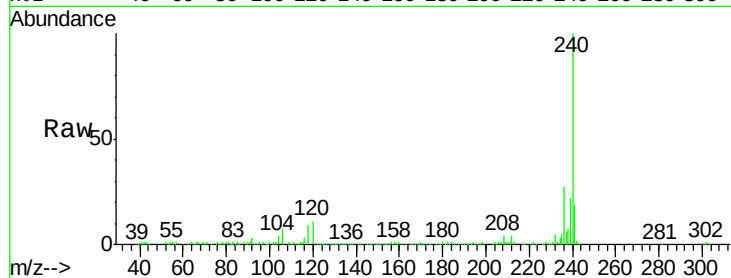




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF116052.D  
Acq: 7 Aug 2019 17:33

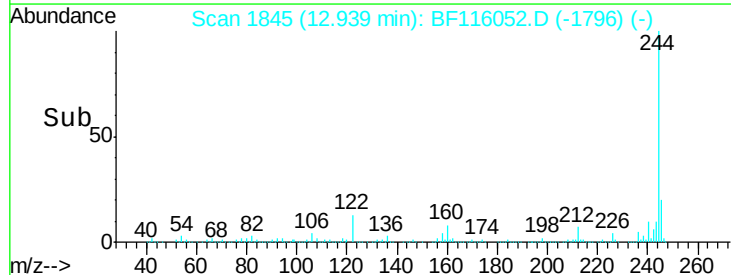
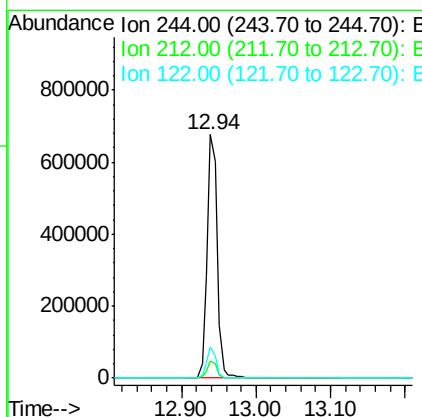
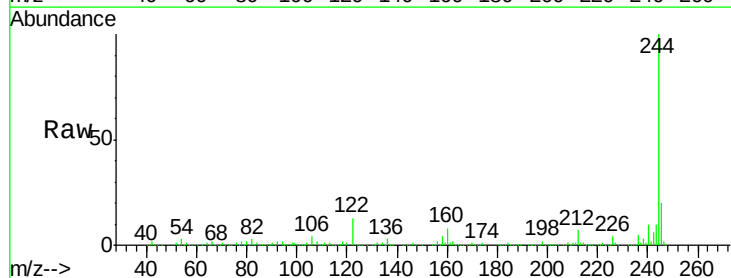
Instrument :  
BNA\_F  
ClientSampleId :  
PS-2

Tot Ion:240 Resp: 275782  
Ion Ratio Lower Upper  
240 100  
120 10.8 10.7 16.1  
236 26.8 22.2 33.2

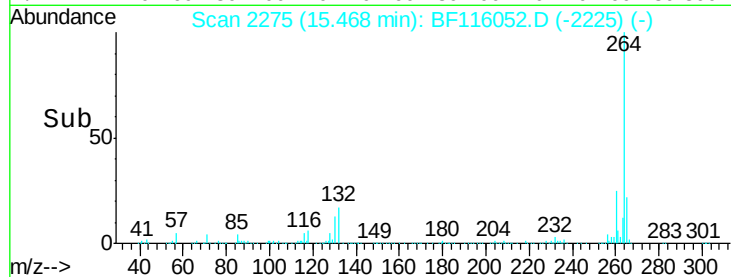
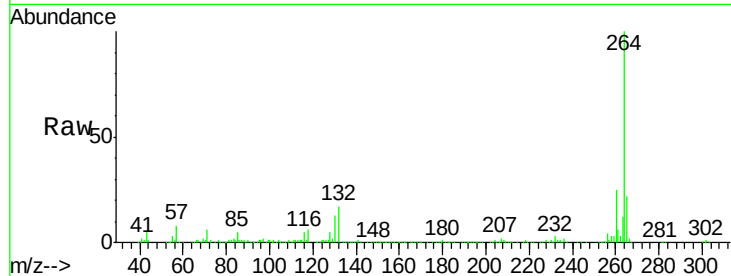
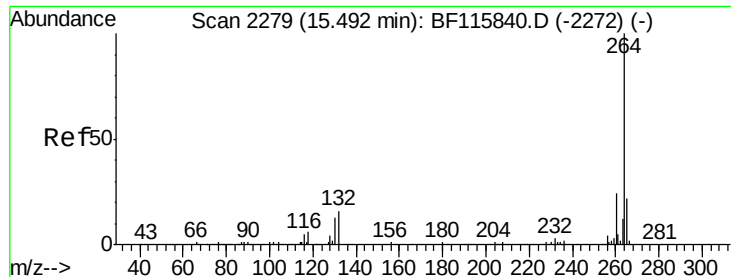


#79  
Terphenyl-d14  
Concen: 48.939 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BF116052.D  
Acq: 7 Aug 2019 17:33

Tgt Ion:244 Resp: 640501  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.8 8.8  
122 12.7 9.0 13.4







#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF116052.D  
 Acq: 7 Aug 2019 17:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 360715 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.5  | 19.7  | 29.5   |
| 265      | 21.9  | 17.4  | 26.0   |

