

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\  
 Data File : BF087147.D  
 Acq On : 18 May 2016 16:52  
 Operator : UM/SJ  
 Sample : H3143-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3-I-76(0-2)

Quant Time: May 19 04:02:50 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 16:55:01 2016  
 Response via : Initial Calibration

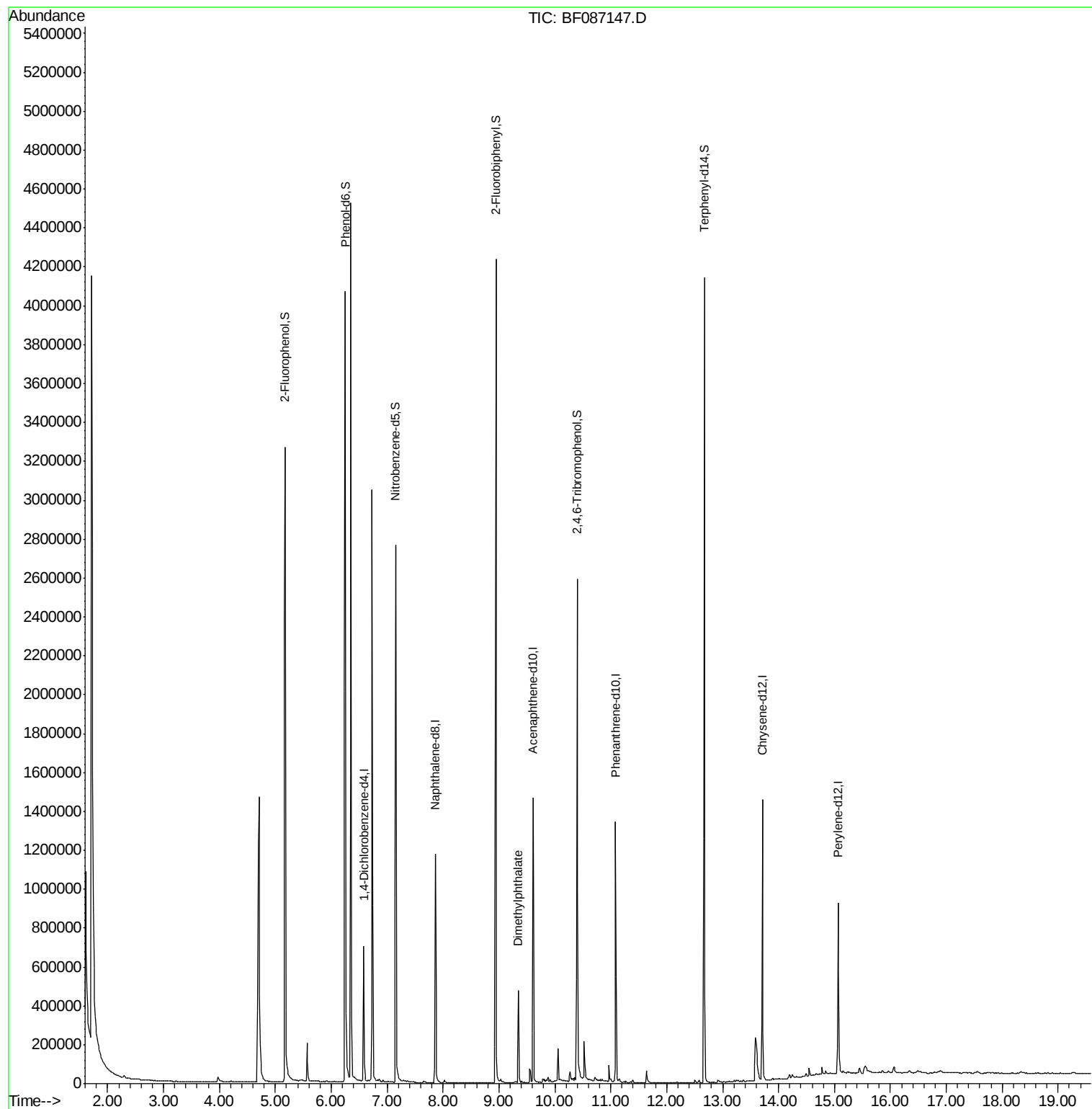
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.58  | 152  | 136516   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 7.86  | 136  | 563124   | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10        | 9.61  | 164  | 279375   | 20.00  | ng    | -0.03        |
| 63) Phenanthrene-d10        | 11.08 | 188  | 532435   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12            | 13.71 | 240  | 489024   | 20.00  | ng    | -0.05        |
| 86) Perylene-d12            | 15.06 | 264  | 396642   | 20.00  | ng    | -0.05        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.18  | 112  | 1094759  | 134.79 | ng    | -0.02        |
| 7) Phenol-d6                | 6.25  | 99   | 1407607  | 129.22 | ng    | -0.03        |
| 23) Nitrobenzene-d5         | 7.15  | 82   | 909945   | 80.53  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 357989   | 115.96 | ng    | -0.05        |
| 44) 2-Fluorobiphenyl        | 8.95  | 172  | 1454476  | 86.22  | ng    | -0.03        |
| 78) Terphenyl-d14           | 12.67 | 244  | 1244347  | 57.56  | ng    | -0.03        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.35  | 163  | 182909   | 8.58   | ng    | Qvalue<br>99 |

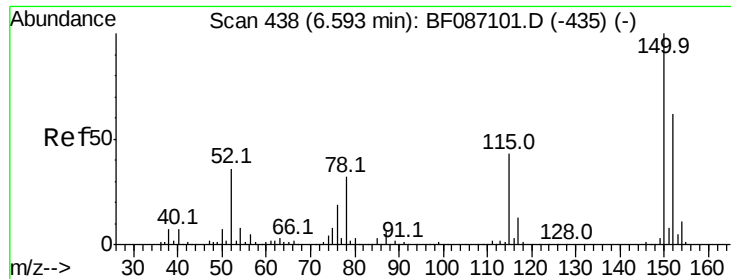
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\  
Data File : BF087147.D  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
3-I-76(0-2)

Quant Time: May 19 04:02:50 2016  
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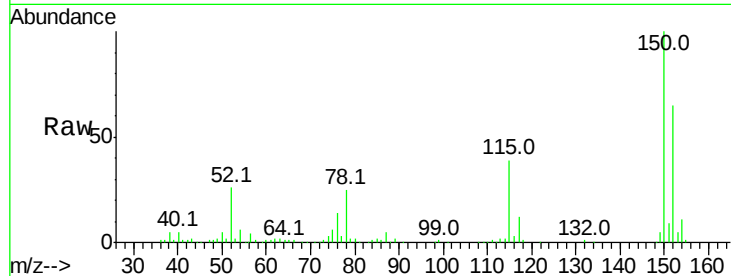


#1

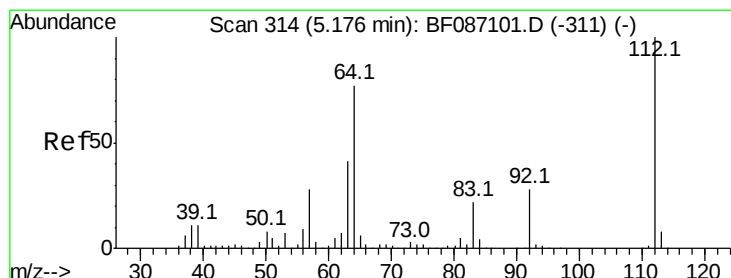
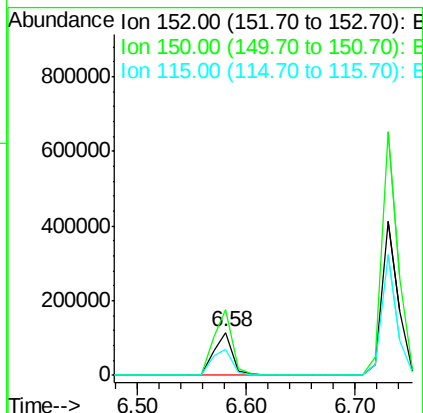
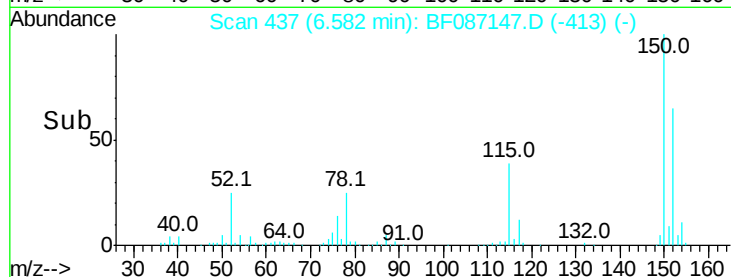
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.58 min Scan# 437  
Delta R.T. -0.02 min  
Lab File: BF087147.D  
Acq: 18 May 2016 16:52

Instrument :  
BNA\_F  
ClientSampleId :  
3-I-76(0-2)

Tot Ion:152 Resp: 136516  
Ion Ratio Lower Upper  
152 100  
150 154.2 125.8 188.6  
115 59.5 51.5 77.3



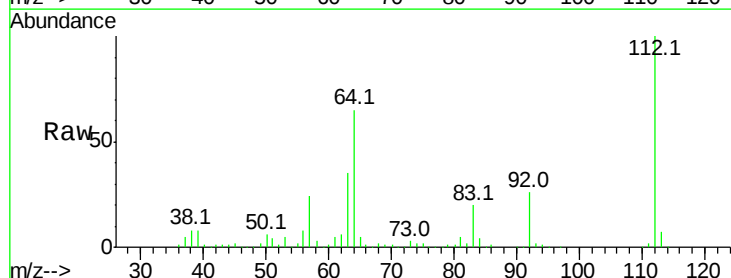
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



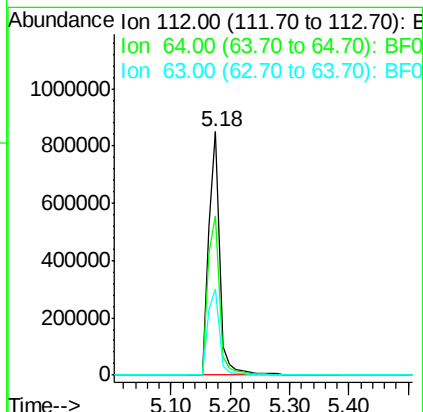
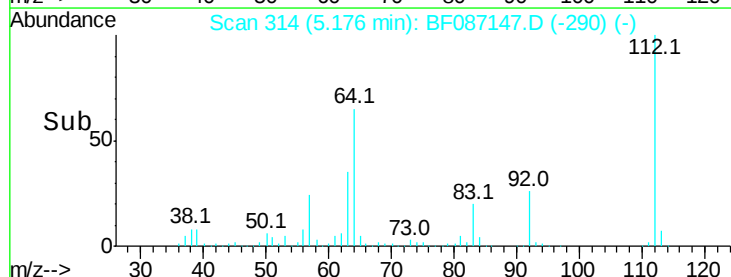
#5

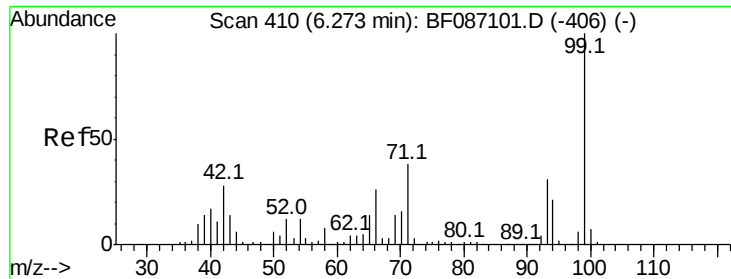
2-Fluorophenol  
Concen: 134.79 ng  
RT: 5.18 min Scan# 314  
Delta R.T. -0.02 min  
Lab File: BF087147.D  
Acq: 18 May 2016 16:52

Tgt Ion:112 Resp: 1094759  
Ion Ratio Lower Upper  
112 100  
64 65.1 52.1 78.1  
63 35.3 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.22 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

Instrument :

BNA\_F

ClientSampleId :

3-I-76(0-2)

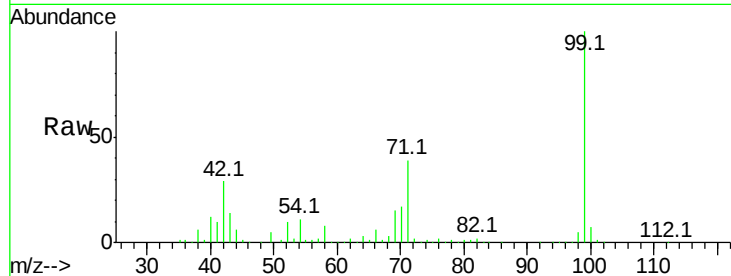
Tot Ion: 99 Resp: 1407607

Ion Ratio Lower Upper

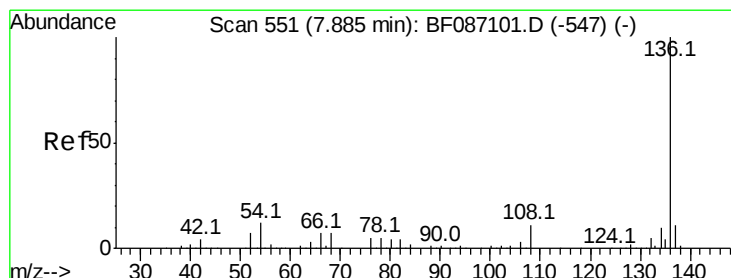
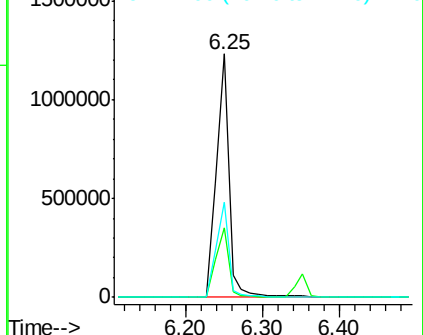
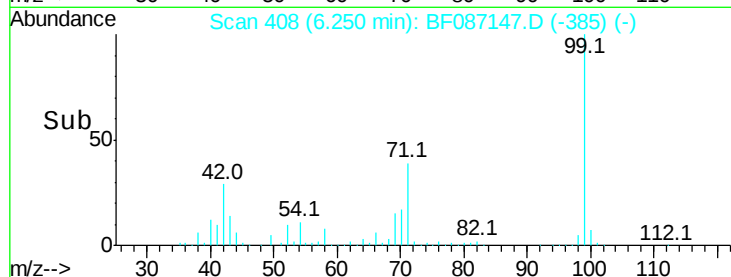
99 100

42 28.8 13.6 20.4#

71 39.3 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

Tgt Ion:136 Resp: 563124

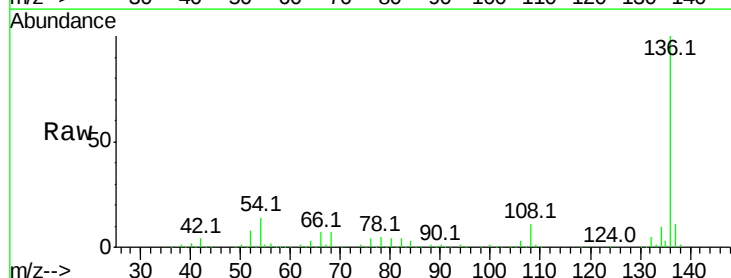
Ion Ratio Lower Upper

136 100

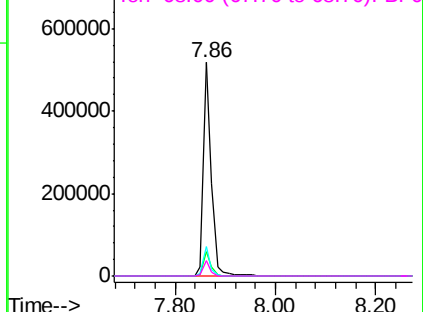
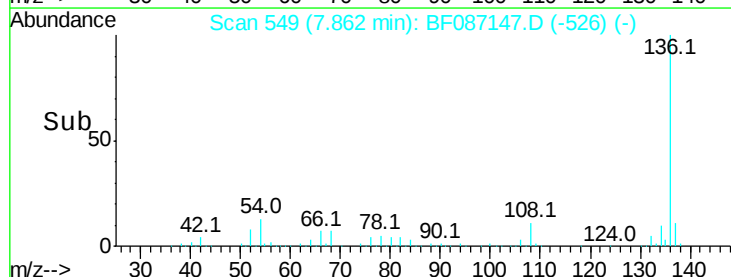
137 11.4 8.8 13.2

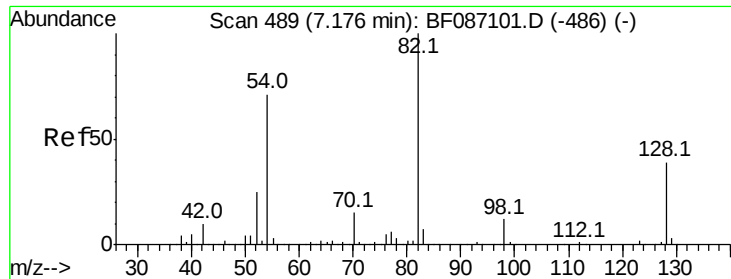
54 13.5 5.0 7.4#

68 6.9 4.4 6.6#



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

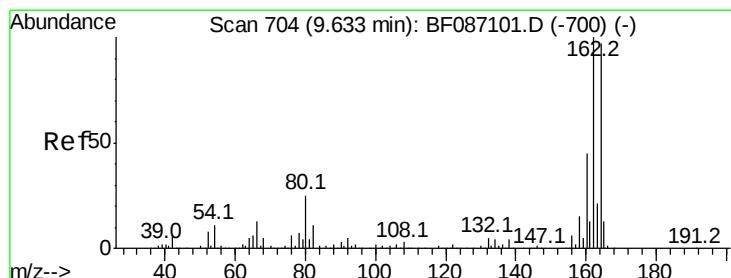
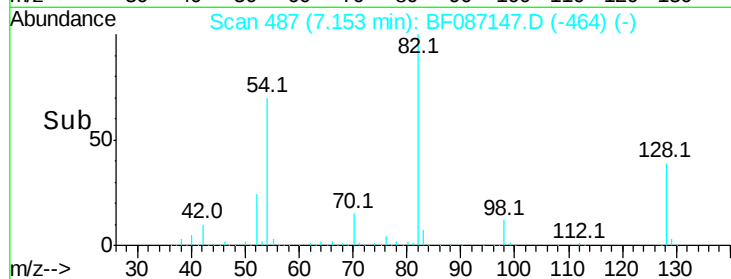
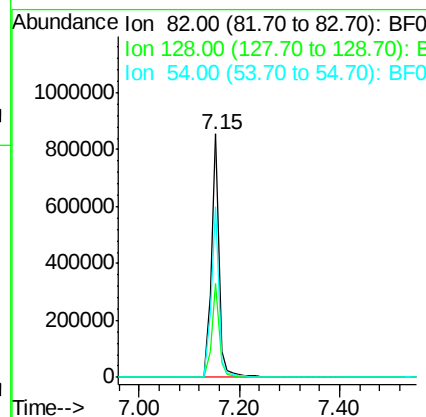
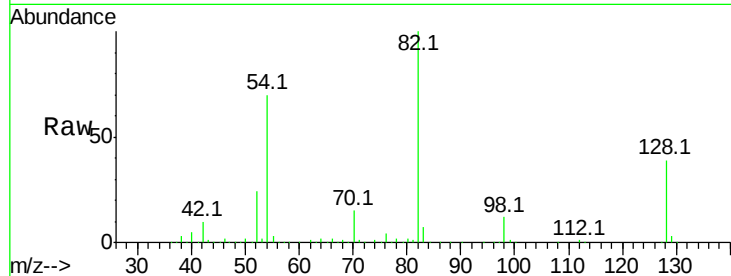




#23  
 Nitrobenzene-d5  
 Concen: 80.53 ng  
 RT: 7.15 min Scan# 487  
 Delta R.T. -0.03 min  
 Lab File: BF087147.D  
 Acq: 18 May 2016 16:52

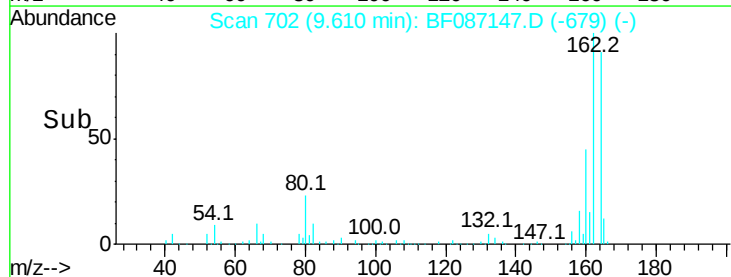
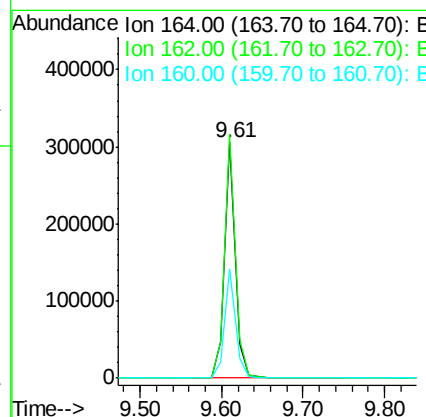
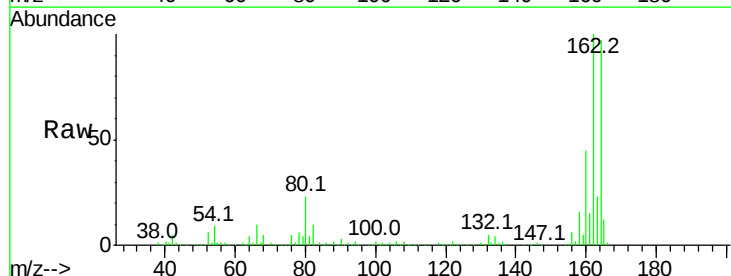
Instrument :  
 BNA\_F  
 ClientSampleId :  
 3-I-76(0-2)

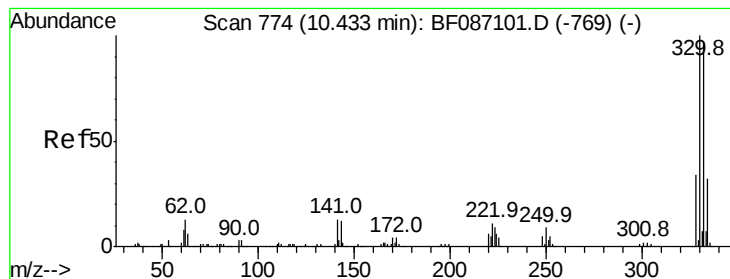
Tot Ion: 82 Resp: 909945  
 Ion Ratio Lower Upper  
 82 100  
 128 38.7 40.6 61.0#  
 54 70.0 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. -0.03 min  
 Lab File: BF087147.D  
 Acq: 18 May 2016 16:52

Tgt Ion:164 Resp: 279375  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 82.8 124.2  
 160 46.3 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 115.96 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

Instrument :

BNA\_F

ClientSampleId :

3-I-76(0-2)

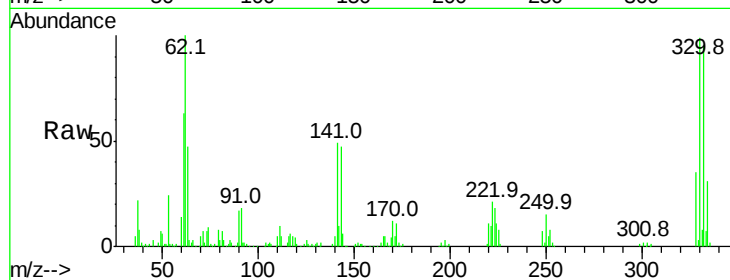
Tot Ion:330 Resp: 357989

Ion Ratio Lower Upper

330 100

332 96.7 79.0 118.4

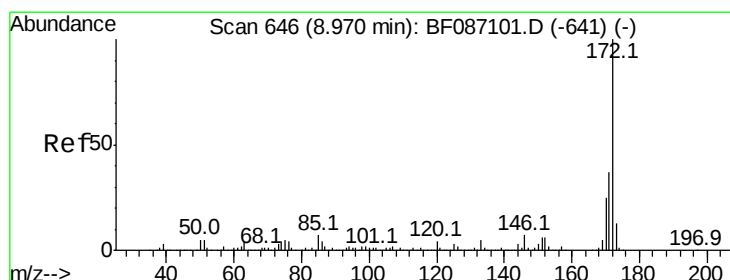
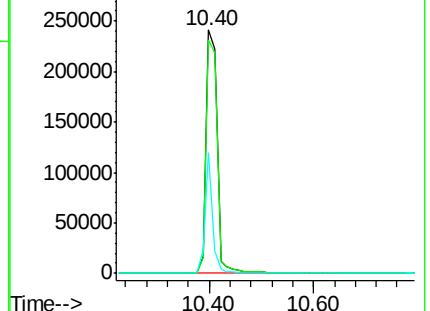
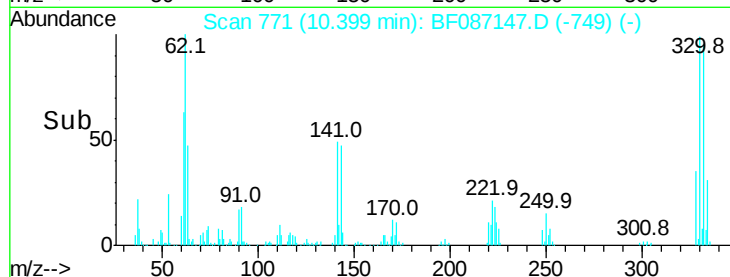
141 33.8 31.2 46.8



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



#44

2-Fluorobiphenyl

Concen: 86.22 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

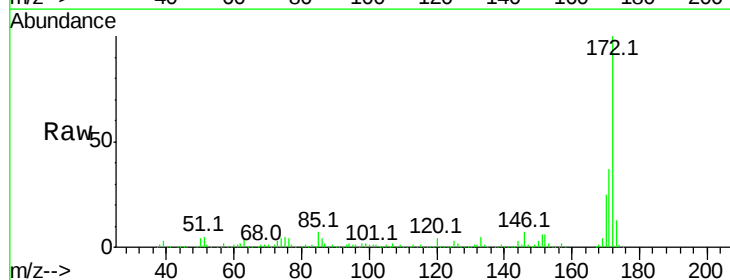
Tgt Ion:172 Resp: 1454476

Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.6

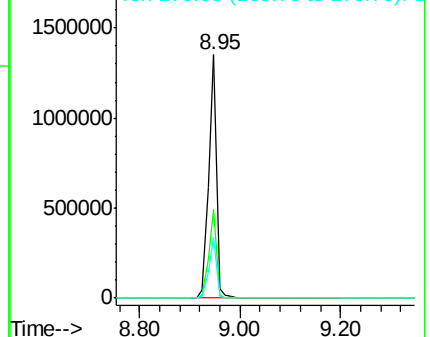
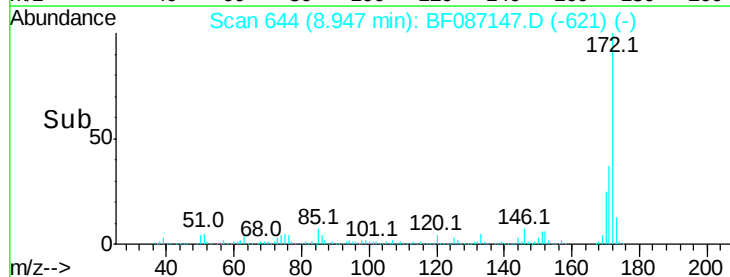
170 25.0 19.8 29.8

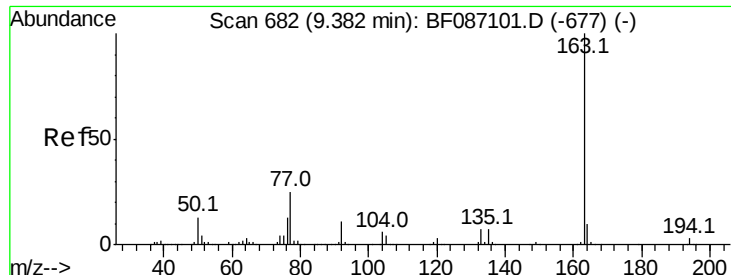


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.58 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

Instrument :

BNA\_F

ClientSampleId :

3-I-76(0-2)

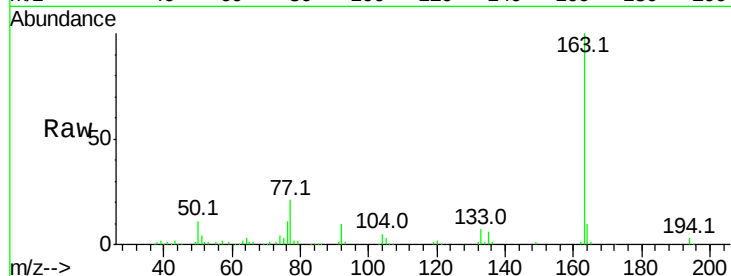
Tot Ion:163 Resp: 182909

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

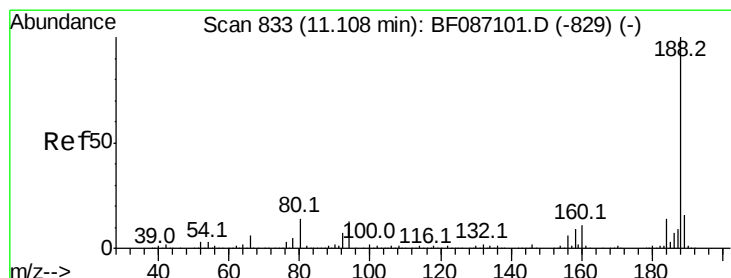
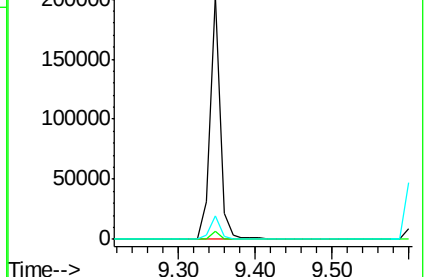
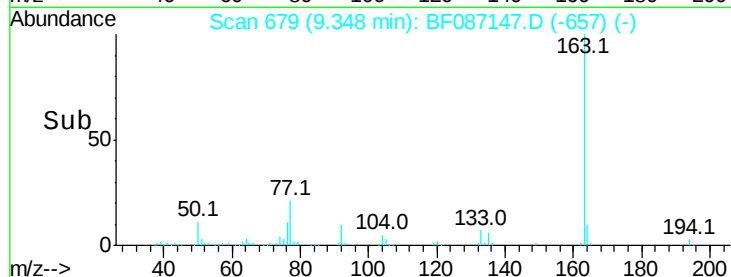
164 9.7 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

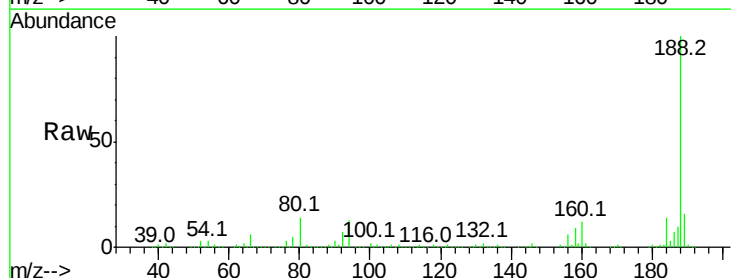
Tgt Ion:188 Resp: 532435

Ion Ratio Lower Upper

188 100

94 12.5 6.8 10.2#

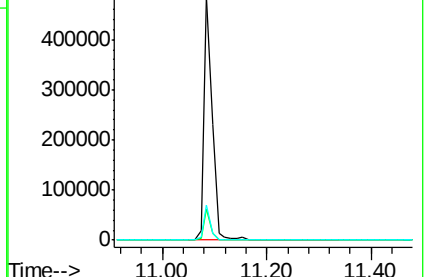
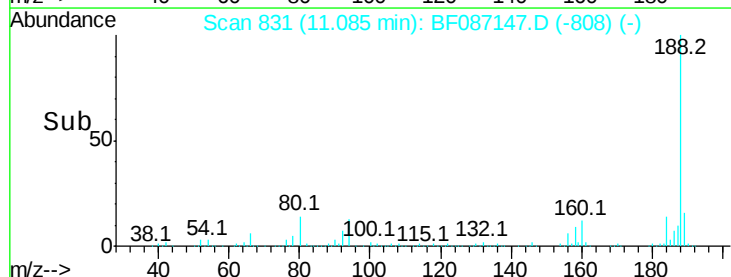
80 14.4 7.1 10.7#

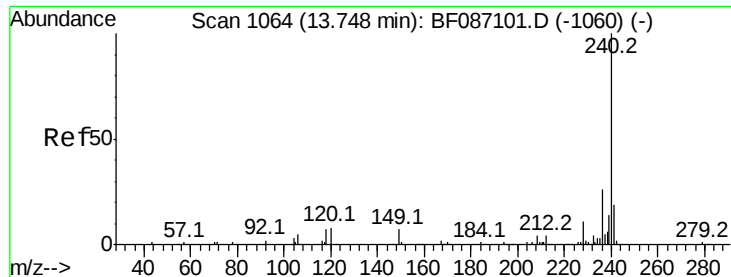


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

Instrument :

BNA\_F

ClientSampleId :

3-I-76(0-2)

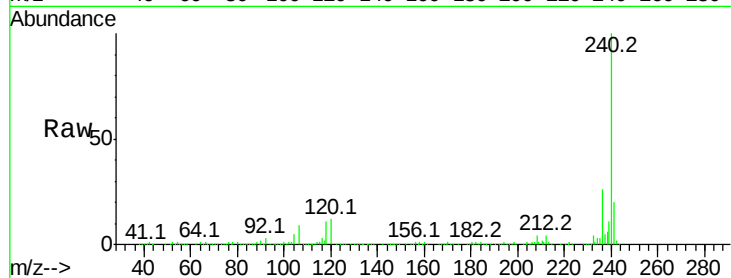
Tot Ion:240 Resp: 489024

Ion Ratio Lower Upper

240 100

120 12.5 11.2 16.8

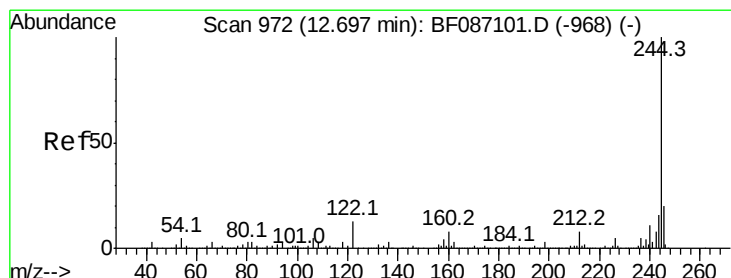
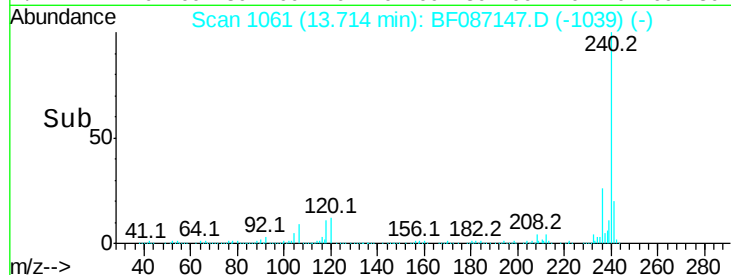
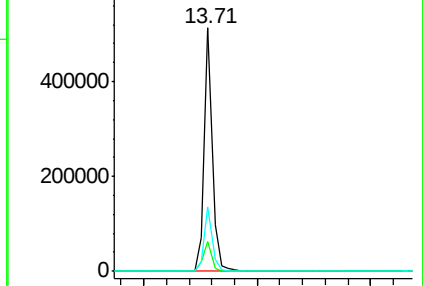
236 26.2 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 57.56 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087147.D

Acq: 18 May 2016 16:52

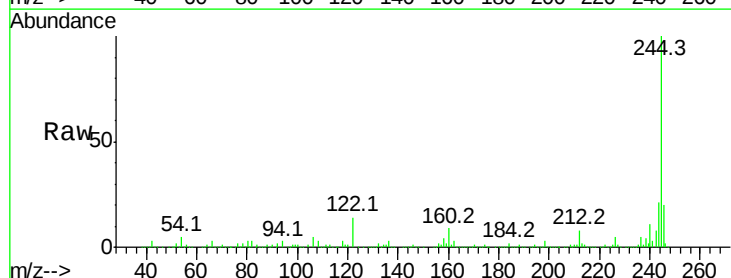
Tgt Ion:244 Resp: 1244347

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

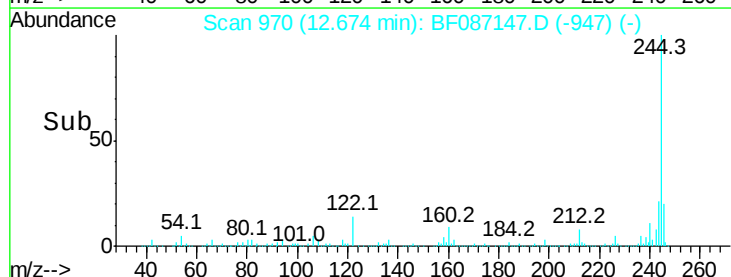
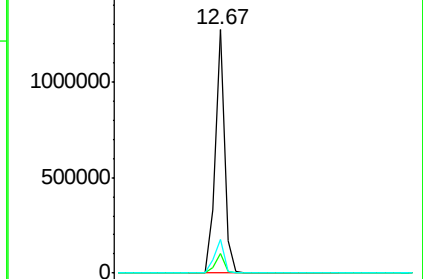
122 13.6 12.0 18.0

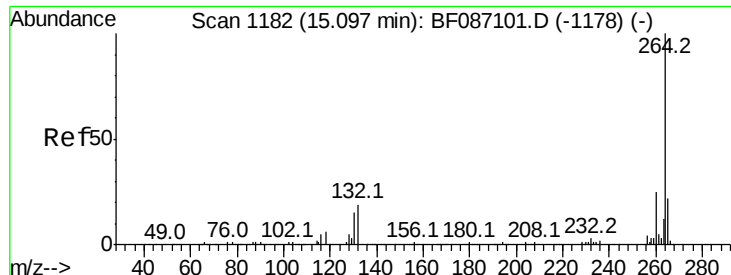


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

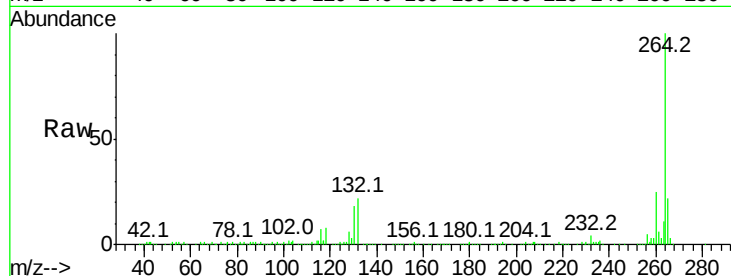




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.06 min Scan# 1179  
Delta R.T. -0.05 min  
Lab File: BF087147.D  
Acq: 18 May 2016 16:52

Instrument :  
BNA\_F  
ClientSampleId :  
3-I-76(0-2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.5  | 29.3  |
| 265     | 22.1  | 17.3  | 25.9  |



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

