

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101317\  
 Data File : BF099451.D  
 Acq On : 13 Oct 2017 20:40  
 Operator : SJ/JU  
 Sample : I5819-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3903-PP1-DUP

Quant Time: Oct 13 23:35:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 11 16:25:21 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 97259    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 379564   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 149679   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 216892   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 181890   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 201826   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 410874   | 67.25  | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 292812   | 38.85  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 631263   | 106.66 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 166302   | 135.78 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1098164  | 122.48 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 700513   | 87.59  | ng    | 0.00     |

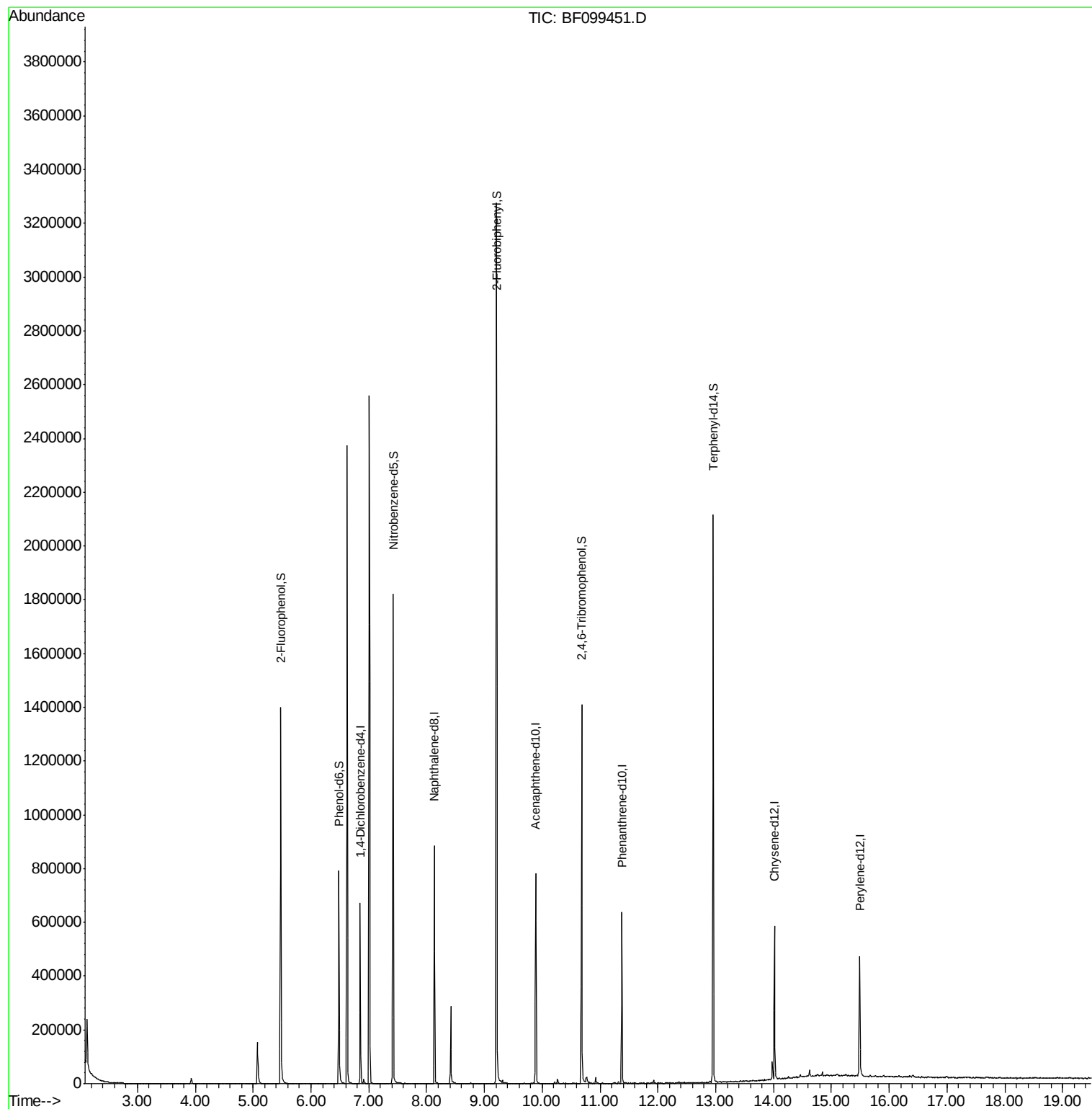
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

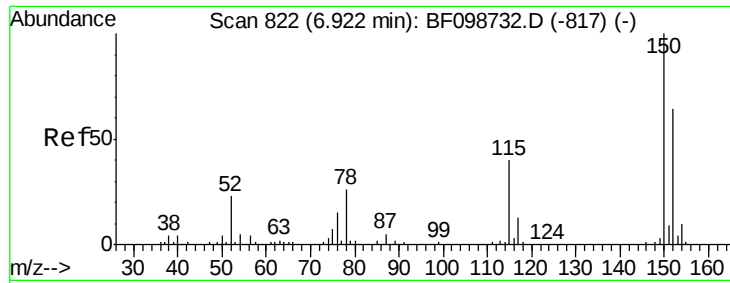
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF099451.D

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Instrument :

BNA\_F

ClientSampleId :

3903-PP1-DUP

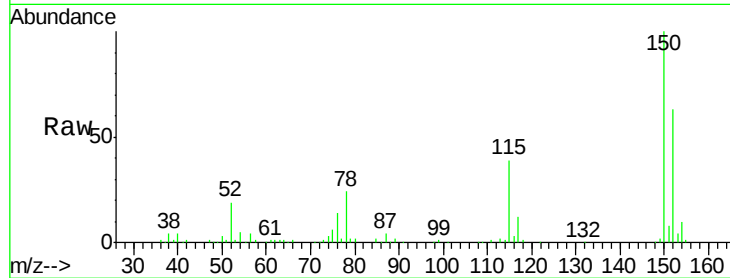
Tgt Ion:152 Resp: 97259

Ion Ratio Lower Upper

152 100

150 158.1 124.6 186.8

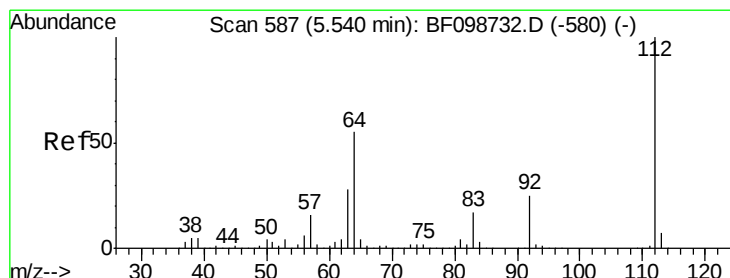
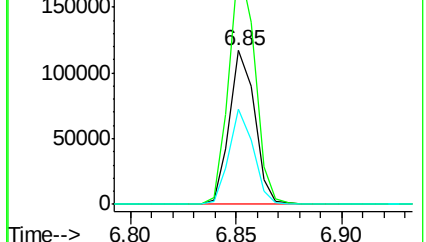
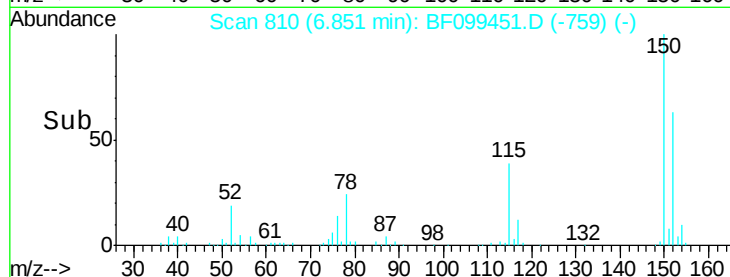
115 61.9 50.1 75.1



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: 67.25 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

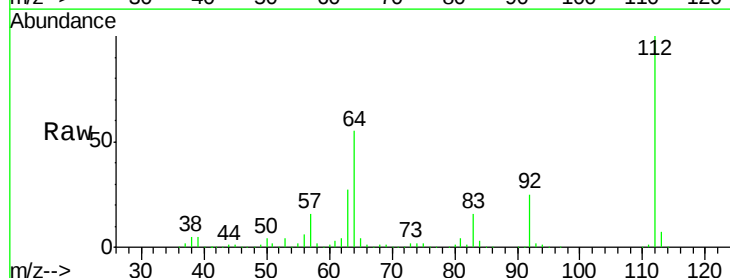
Tgt Ion:112 Resp: 410874

Ion Ratio Lower Upper

112 100

64 55.4 47.9 71.9

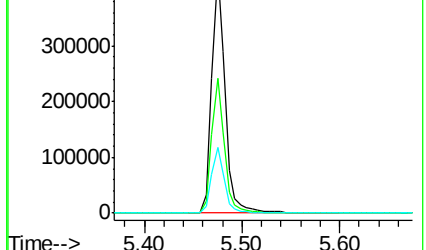
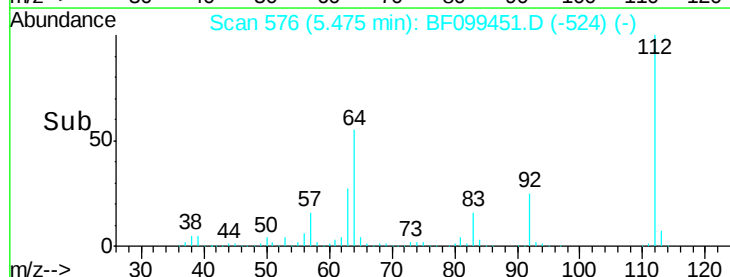
63 26.7 23.7 35.5



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: 38.85 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Instrument :

BNA\_F

ClientSampleId :

3903-PP1-DUP

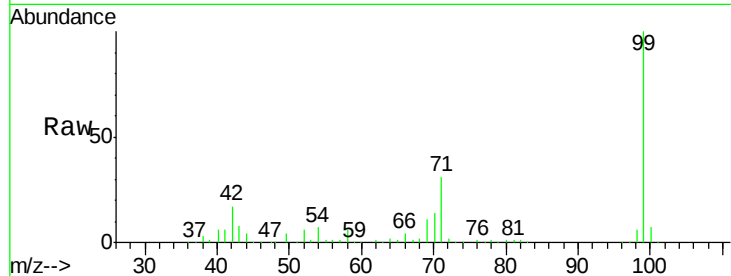
Tgt Ion: 99 Resp: 292812

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

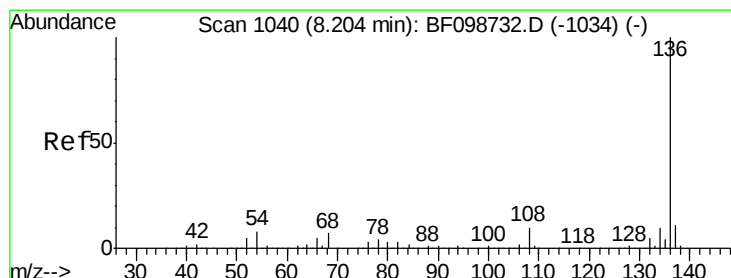
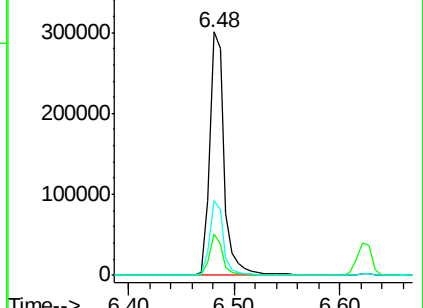
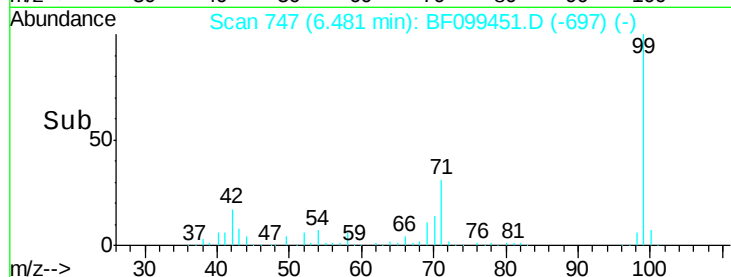
71 30.6 25.4 38.0



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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Tgt Ion: 136 Resp: 379564

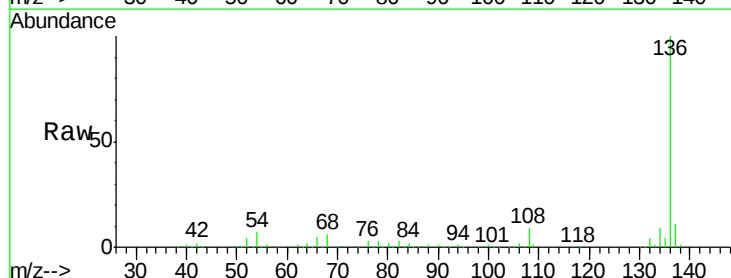
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.4 6.6 9.8

68 5.9 5.0 7.4

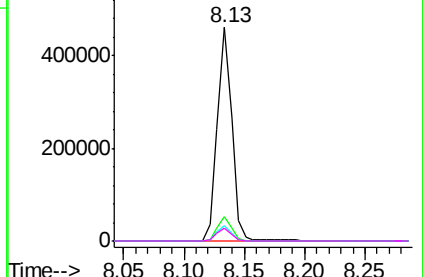
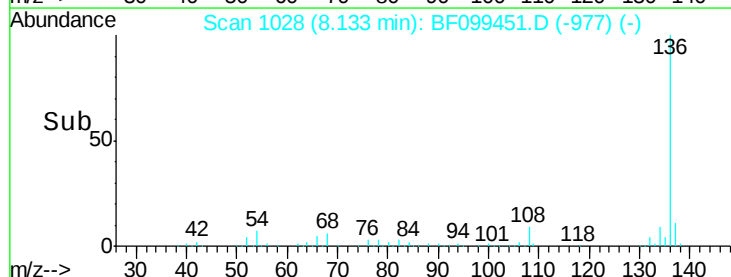


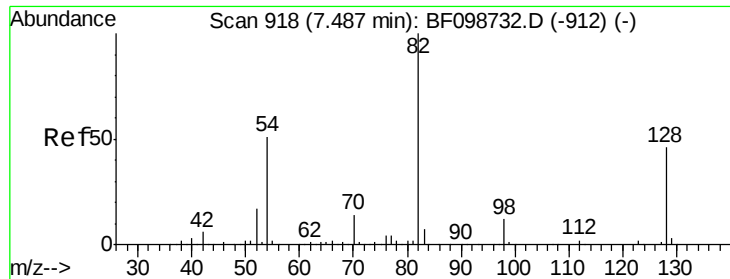
Abundance Ion 136.00 (135.70 to 136.70): E

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

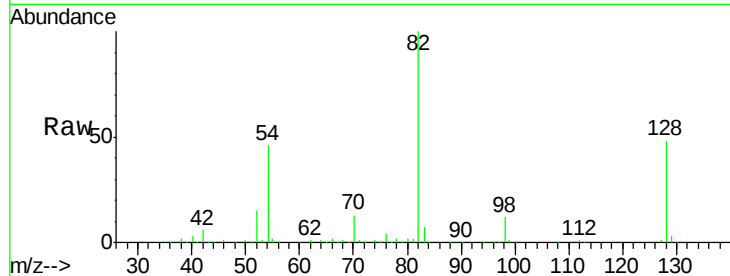




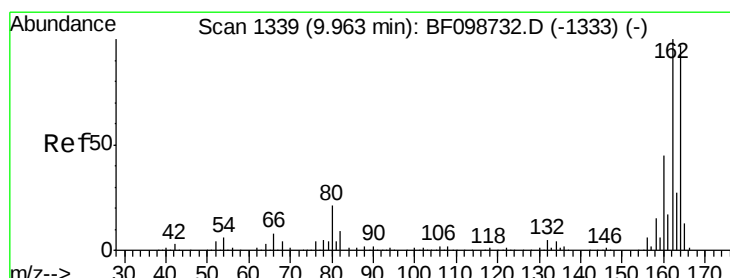
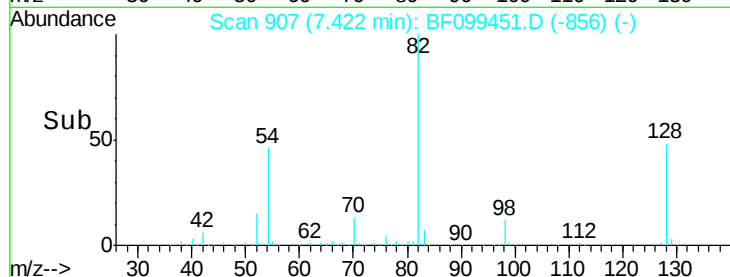
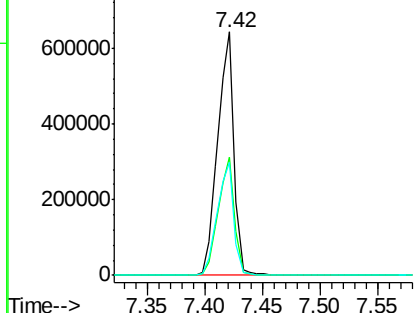
#23  
 Nitrobenzene-d5  
 Concen: 106.66 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.00 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Instrument :  
 BNA\_F  
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 3903-PP1-DUP

Tgt Ion: 82 Resp: 631263  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 36.1 54.1  
 54 46.5 41.4 62.2

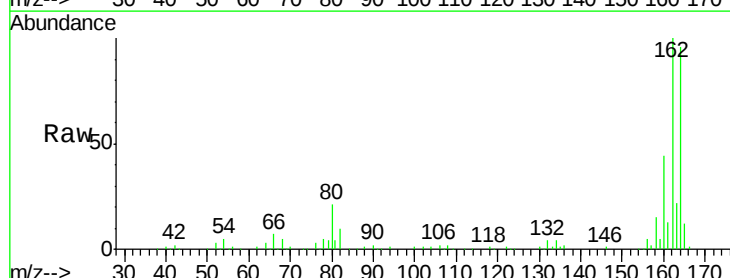


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

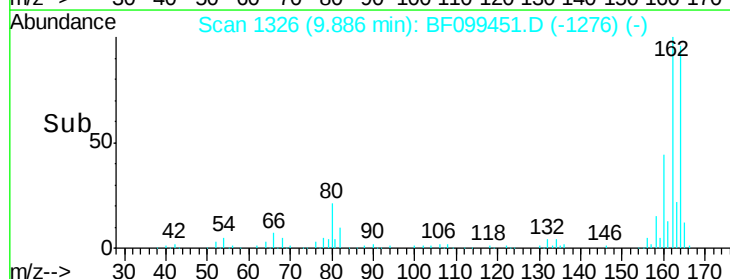
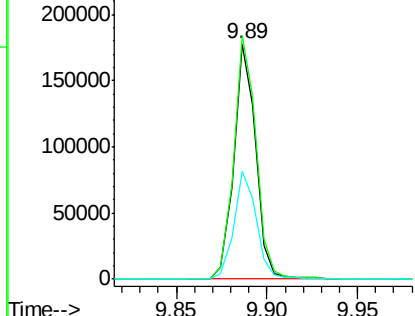


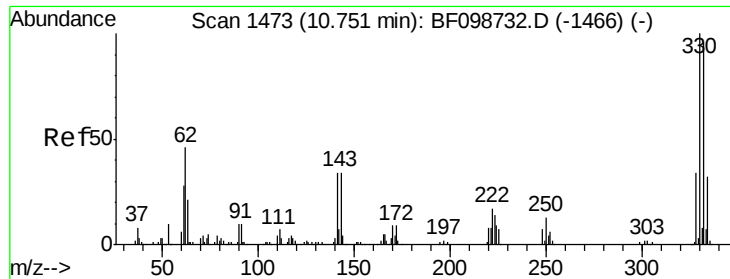
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.01 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Tgt Ion:164 Resp: 149679  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 86.1 129.1  
 160 46.1 38.3 57.5



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

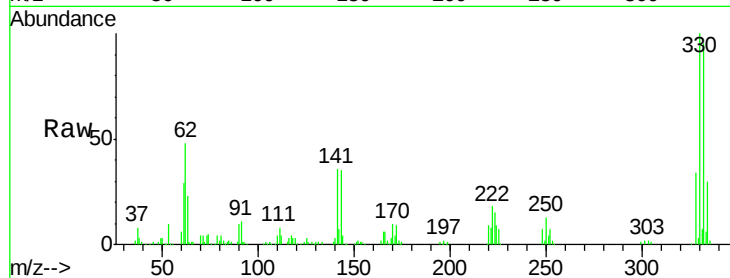




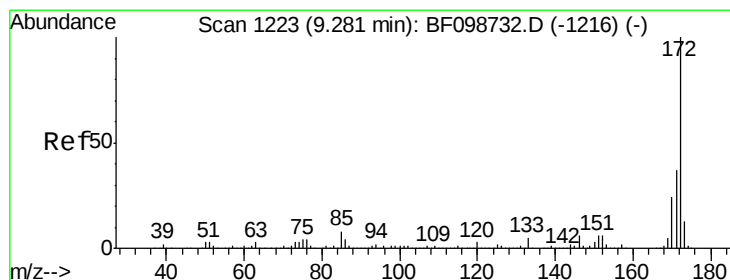
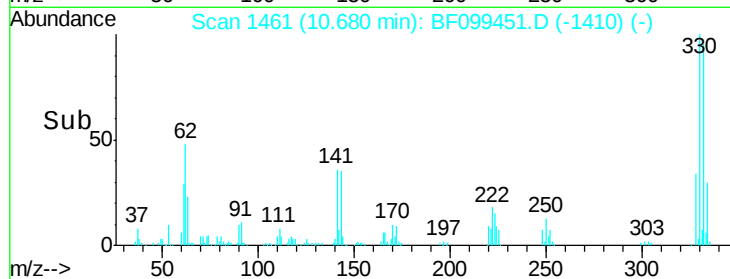
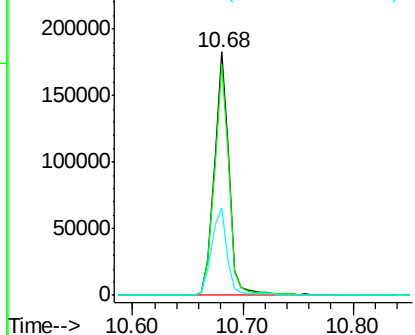
#41  
 2,4,6-Tribromophenol  
 Concen: 135.78 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3903-PP1-DUP

Tgt Ion:330 Resp: 166302  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.0 115.6  
 141 38.0 29.9 44.9

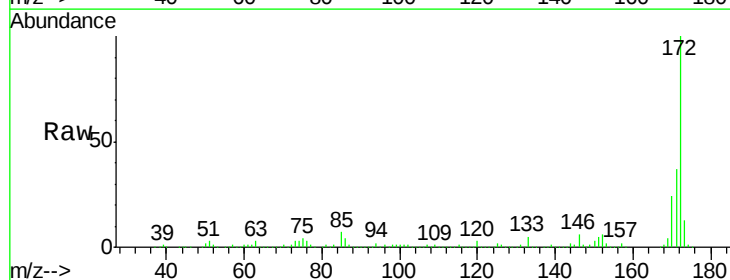


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

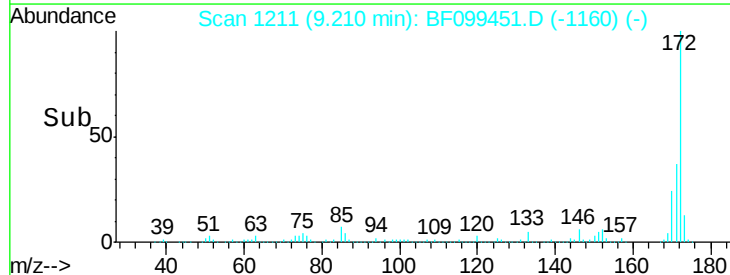
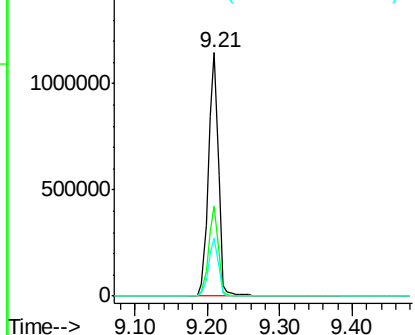


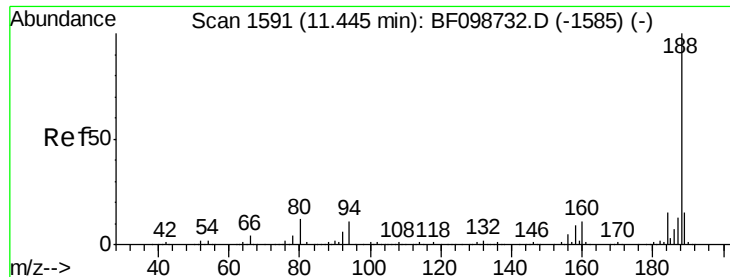
#44  
 2-Fluorobiphenyl  
 Concen: 122.48 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Tgt Ion:172 Resp: 1098164  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 23.9 19.6 29.4



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

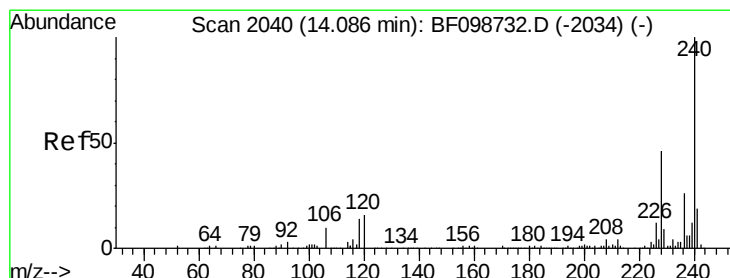
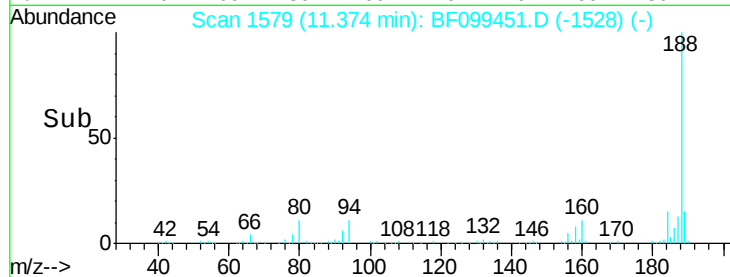
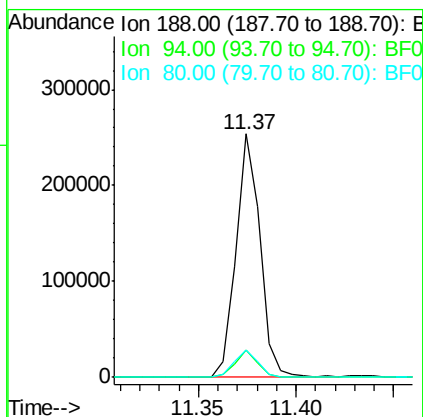
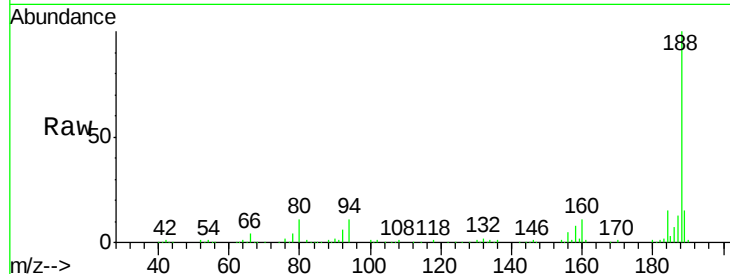




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. -0.00 min  
Lab File: BF099451.D  
Acq: 13 Oct 2017 20:40

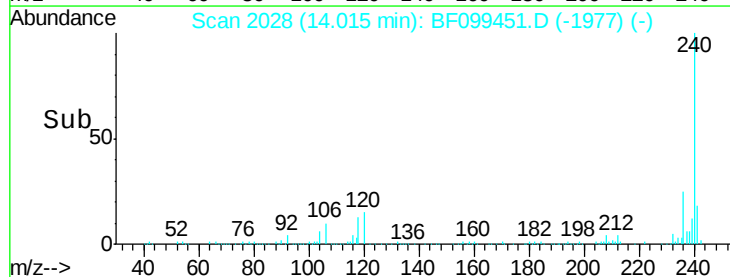
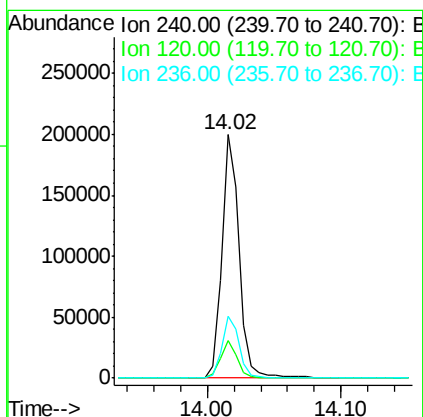
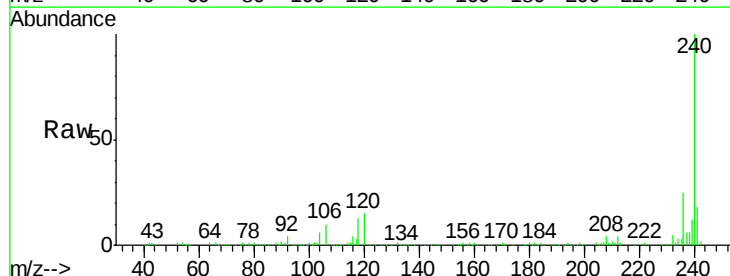
Instrument :  
BNA\_F  
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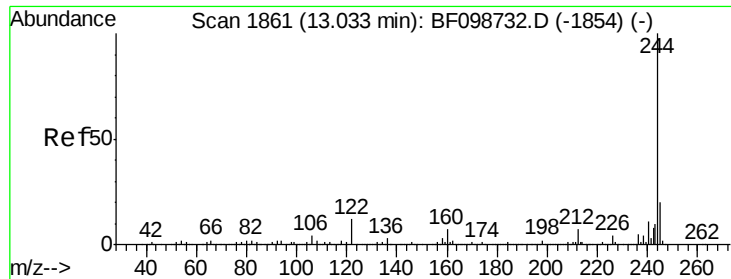
Tgt Ion:188 Resp: 216892  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.5 12.7  
80 11.3 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.00 min  
Lab File: BF099451.D  
Acq: 13 Oct 2017 20:40

Tgt Ion:240 Resp: 181890  
Ion Ratio Lower Upper  
240 100  
120 15.3 9.5 14.3#  
236 25.2 20.7 31.1

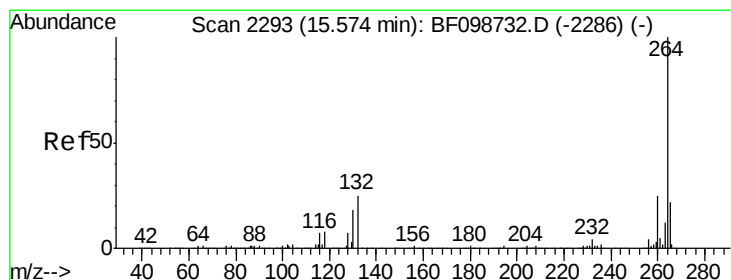
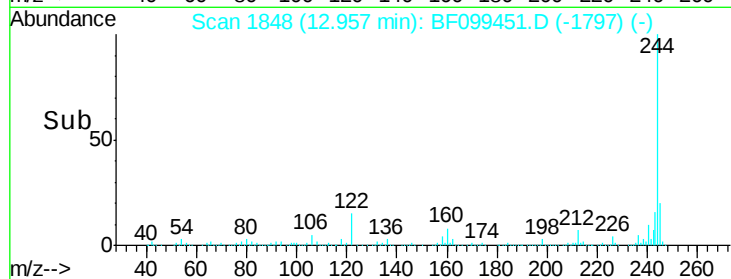
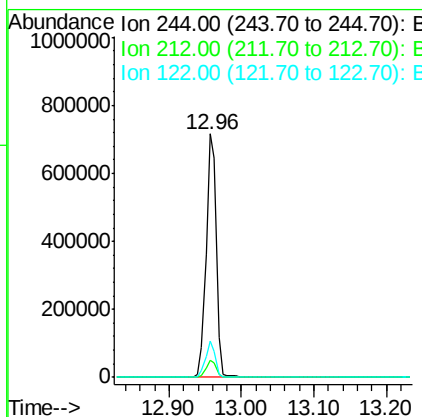
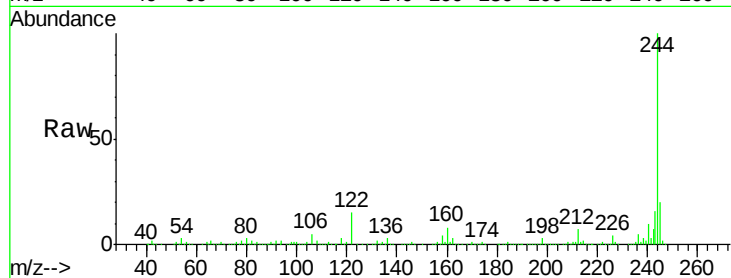




#78  
 Terphenyl-d14  
 Concen: 87.59 ng  
 RT: 12.96 min Scan# 1848  
 Delta R.T. -0.00 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Instrument :  
 BNA\_F  
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 3903-PP1-DUP

Tgt Ion:244 Resp: 700513  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.0  
 122 14.9 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. 0.01 min  
 Lab File: BF099451.D  
 Acq: 13 Oct 2017 20:40

Tgt Ion:264 Resp: 201826  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.2 28.8  
 265 21.8 17.5 26.3

