

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\  
 Data File : BF093297.D  
 Acq On : 1 Mar 2017 18:50  
 Operator : SJ/MA  
 Sample : I2002-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSP-8(5.5-7.5)

Quant Time: Mar 02 00:38:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

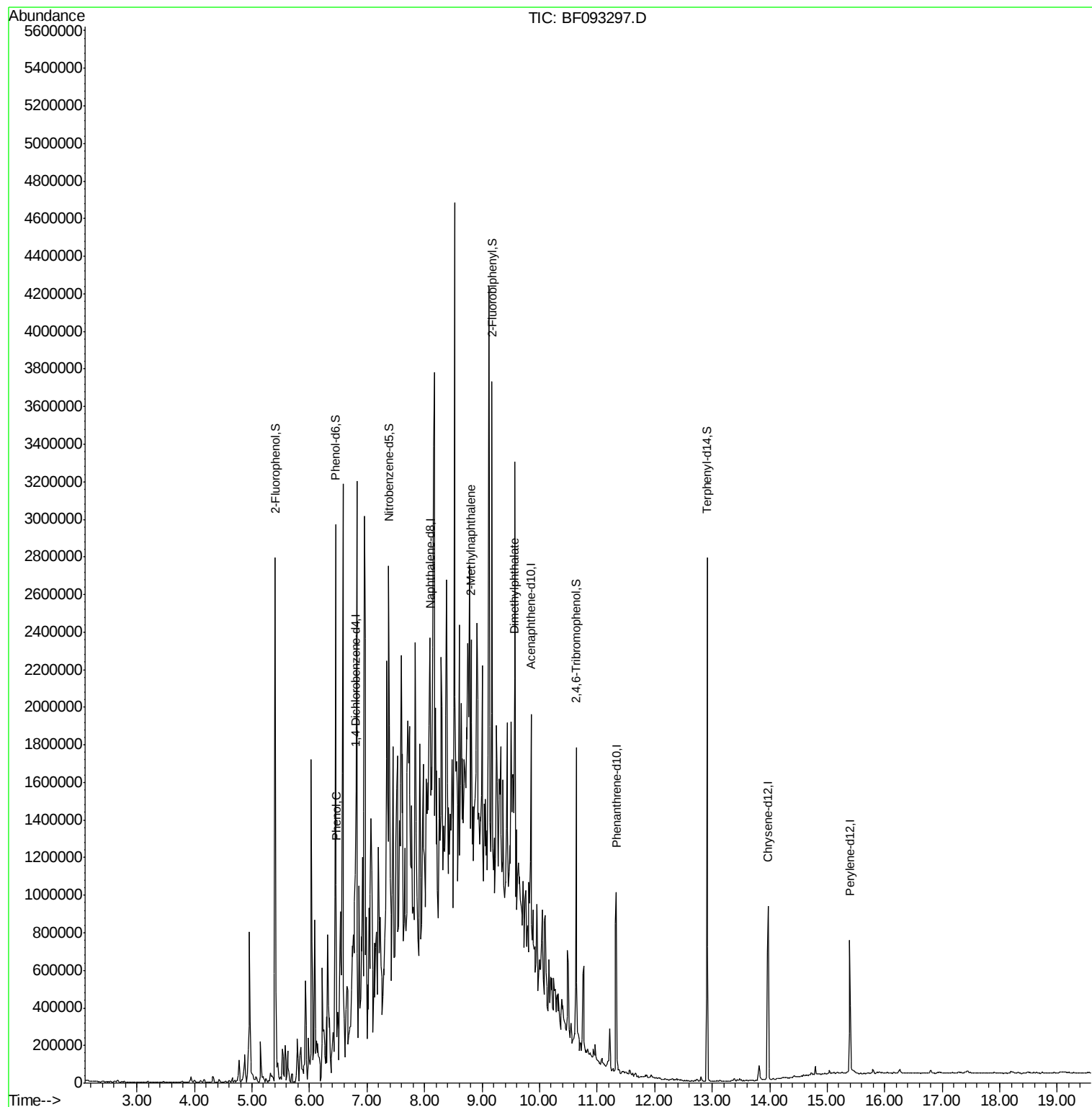
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 131383   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 8.10  | 136  | 493936   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 250904   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 11.33 | 188  | 493130   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 13.97 | 240  | 423019   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 15.39 | 264  | 315466   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 786126   | 102.65 | ng    | -0.05    |
| 7) Phenol-d6                | 6.45  | 99   | 960475   | 97.48  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 640929   | 72.26  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 184597   | 101.72 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 993389   | 71.73  | ng    | -0.05    |
| 78) Terphenyl-d14           | 12.91 | 244  | 868819   | 48.26  | ng    | -0.06    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.46  | 94   | 69873    | 6.06   | ng    | 80       |
| 37) 2-Methylnaphthalene     | 8.81  | 142  | 509797   | 31.71  | ng    | 99       |
| 49) Dimethylphthalate       | 9.56  | 163  | 60164    | 3.56   | ng    | # 91     |

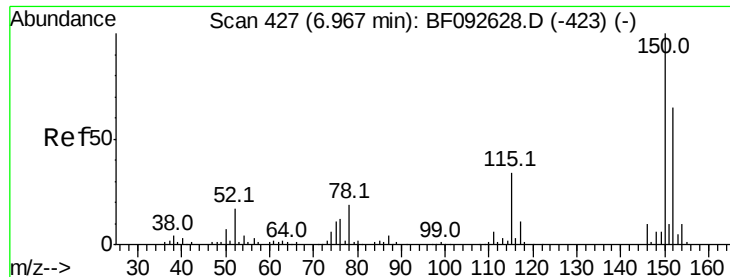
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
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SSP-8(5.5-7.5)

Quant Time: Mar 02 00:38:29 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA\_F

ClientSampleId :

SSP-8(5.5-7.5)

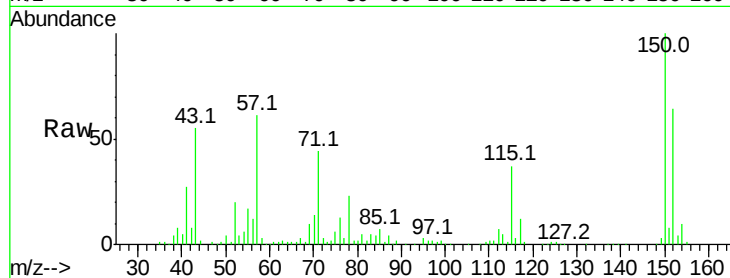
Tot Ion:152 Resp: 131383

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

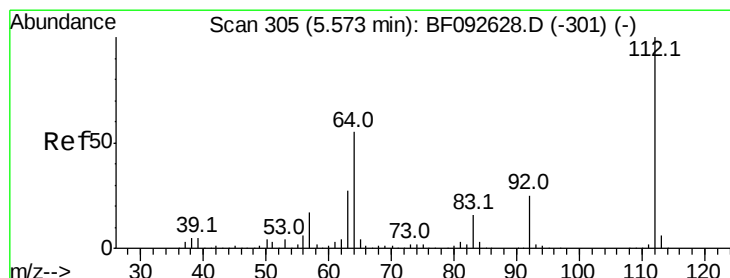
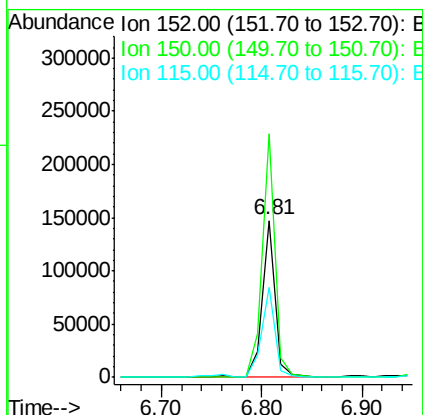
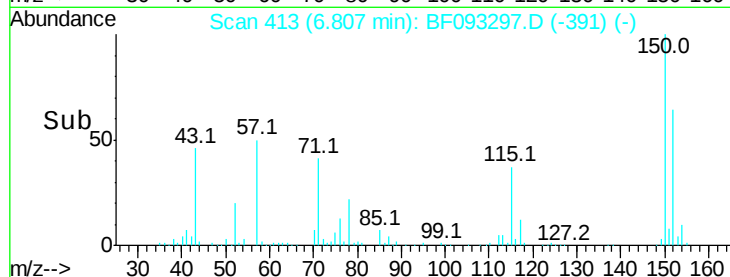
115 57.0 46.0 69.0



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: 102.65 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

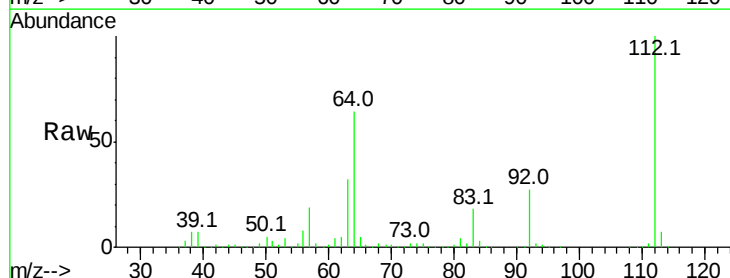
Tgt Ion:112 Resp: 786126

Ion Ratio Lower Upper

112 100

64 64.3 46.1 69.1

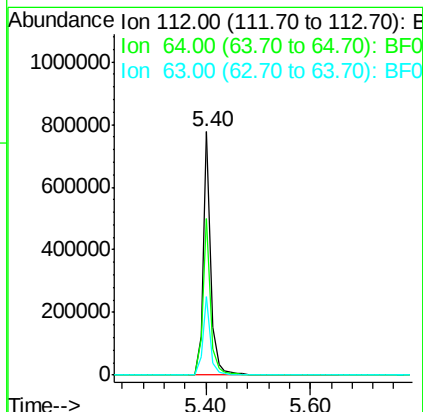
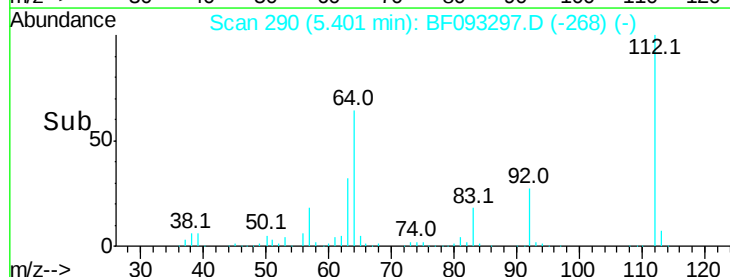
63 32.2 23.8 35.6

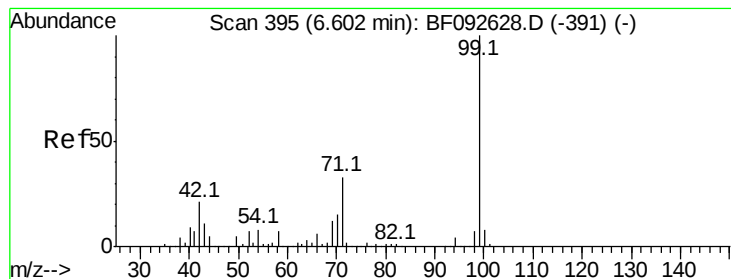


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.48 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA\_F

ClientSampleId :

SSP-8(5.5-7.5)

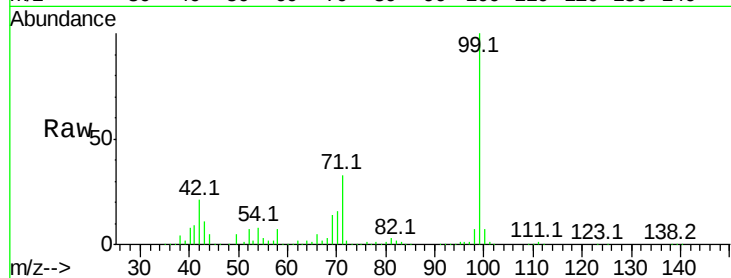
Tot Ion: 99 Resp: 960475

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

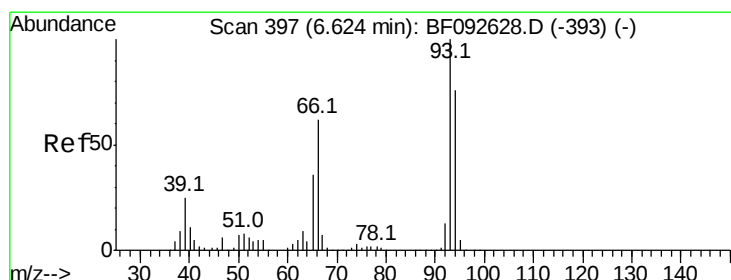
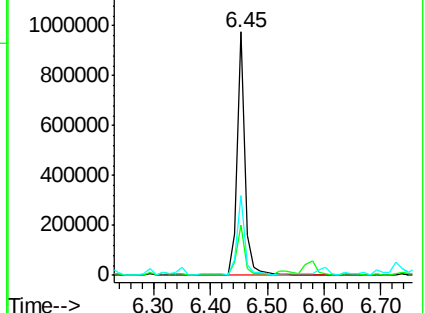
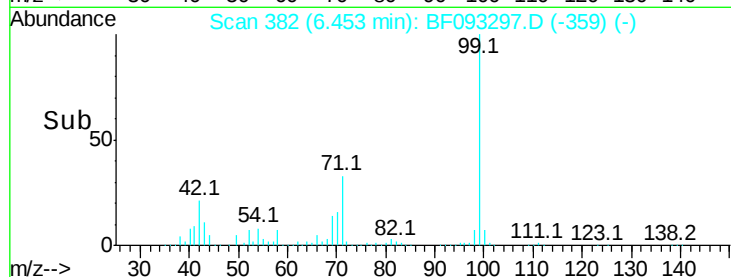
71 33.0 27.5 41.3



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



#10

Phenol

Concen: 6.06 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

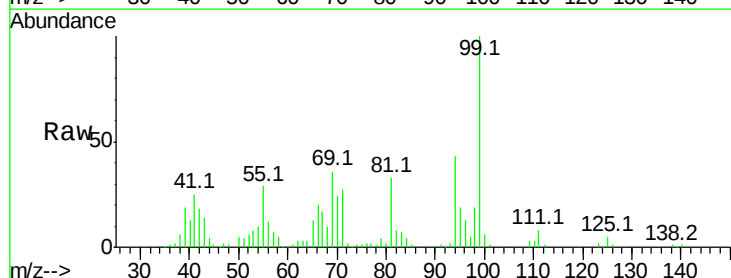
Tgt Ion: 94 Resp: 69873

Ion Ratio Lower Upper

94 100

65 30.6 21.4 61.4

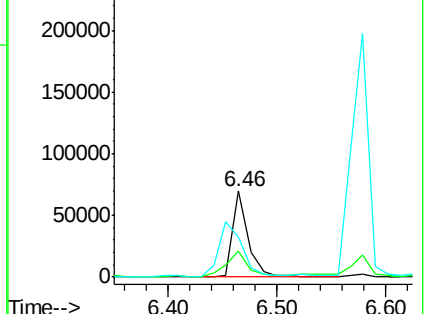
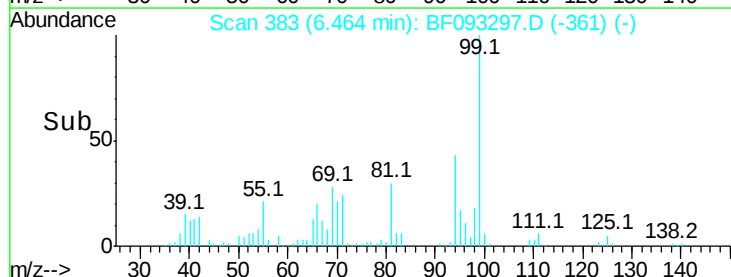
66 46.9 44.0 84.0

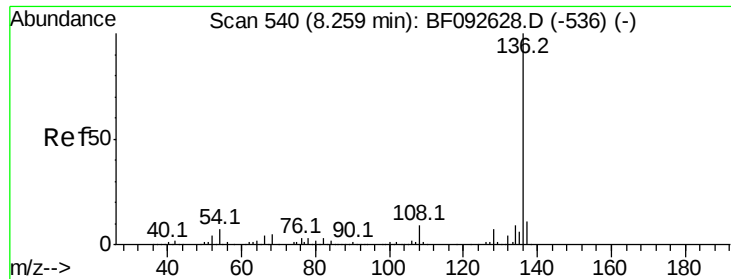


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

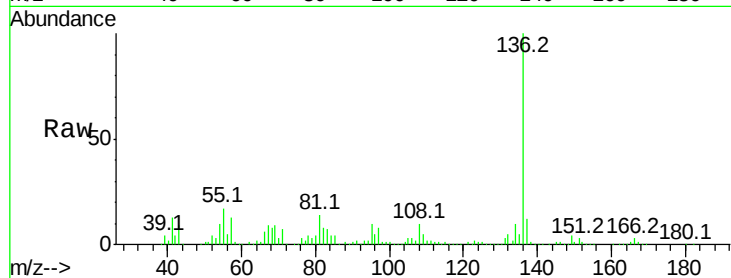




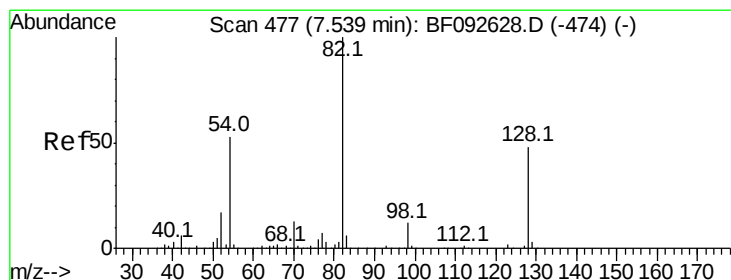
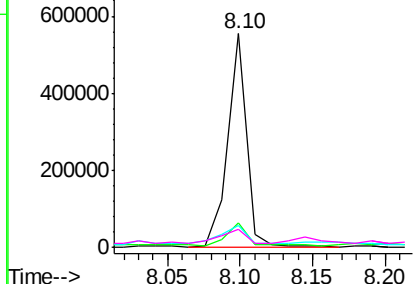
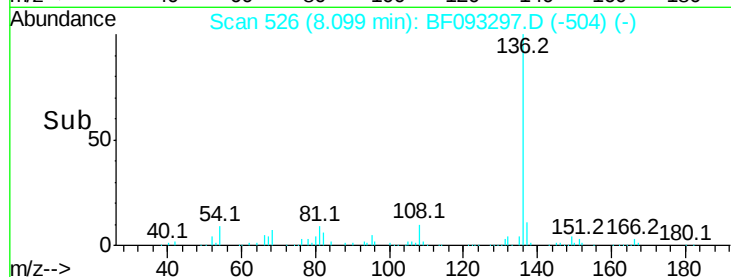
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 526  
Delta R.T. -0.05 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSP-8(5.5-7.5)

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 493936 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.4   | 12.6   |
| 54       | 10.1  | 4.5   | 6.7#   |
| 68       | 8.5   | 3.6   | 5.4#   |

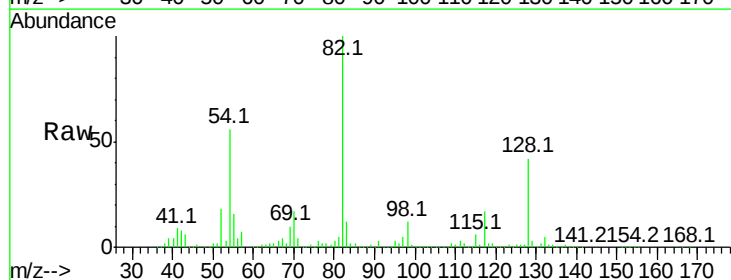


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

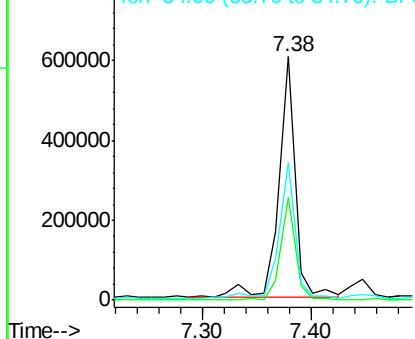
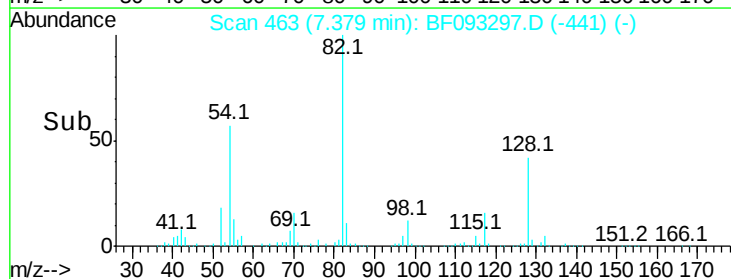


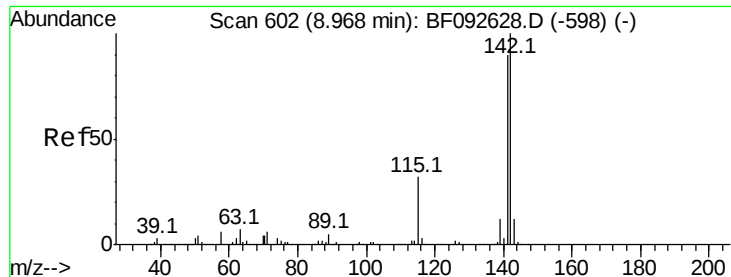
#23  
Nitrobenzene-d5  
Concen: 72.26 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.05 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 640929 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.3  | 34.6  | 52.0   |
| 54       | 56.5  | 39.5  | 59.3   |



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

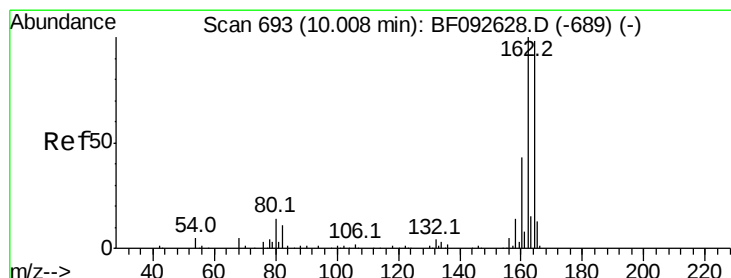
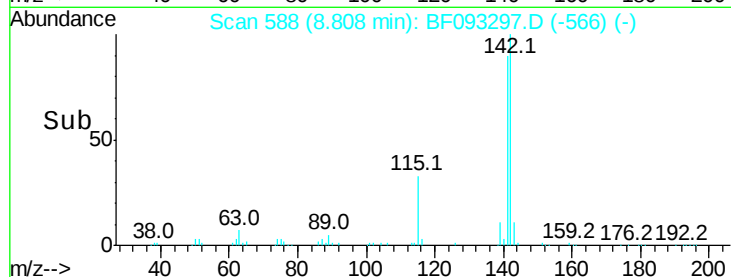
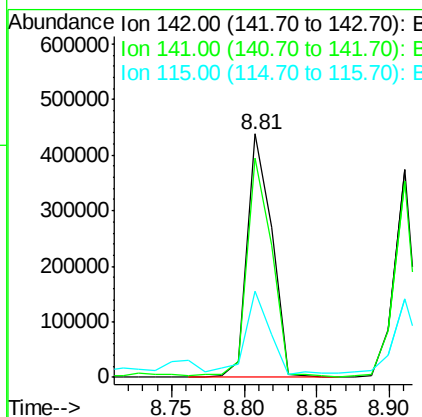
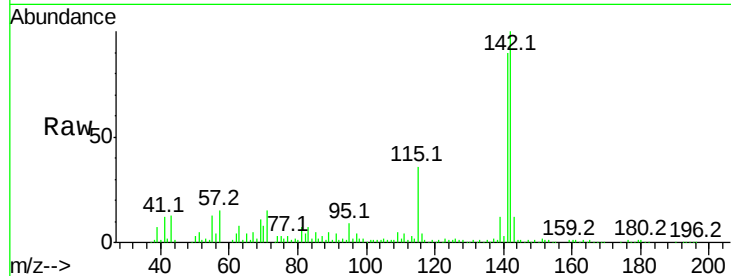




#37  
2-Methylnaphthalene  
Concen: 31.71 ng  
RT: 8.81 min Scan# 588  
Delta R.T. -0.05 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

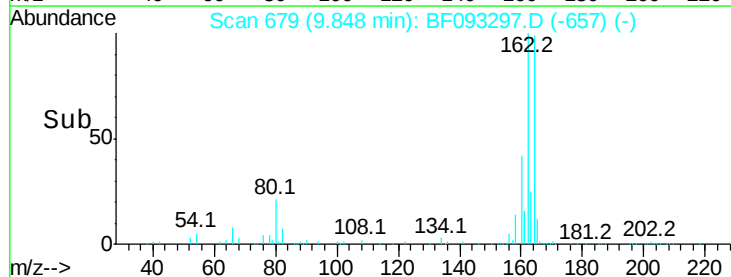
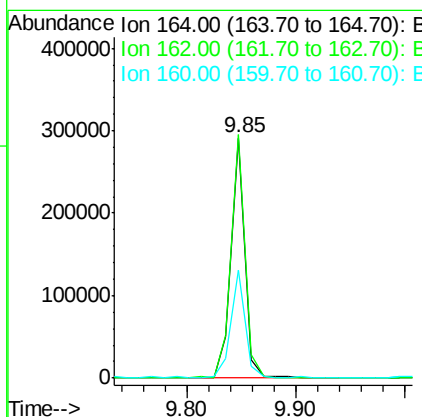
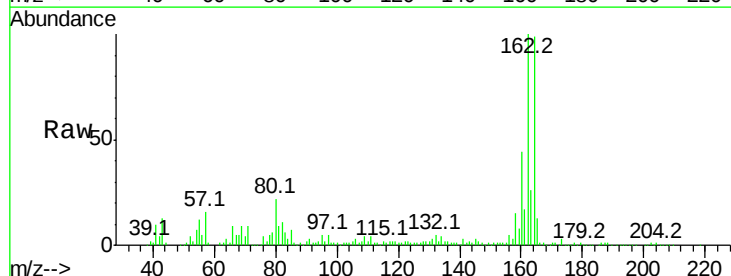
Instrument :  
BNA\_F  
ClientSampleId :  
SSP-8(5.5-7.5)

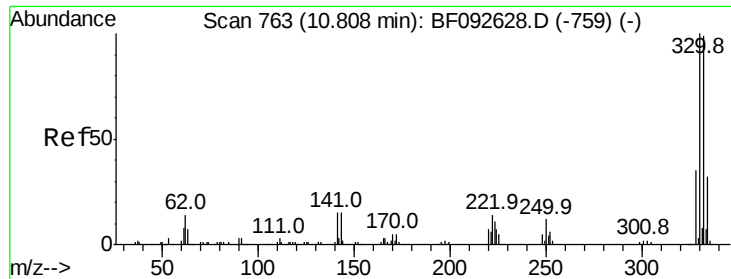
Tot Ion:142 Resp: 509797  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.0 106.6  
115 35.5 28.3 42.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.05 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

Tgt Ion:164 Resp: 250904  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.2 120.2  
160 45.0 36.9 55.3

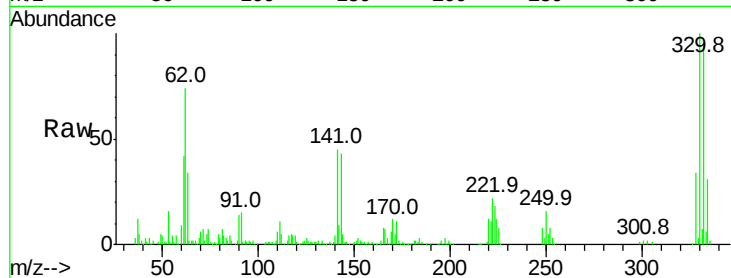




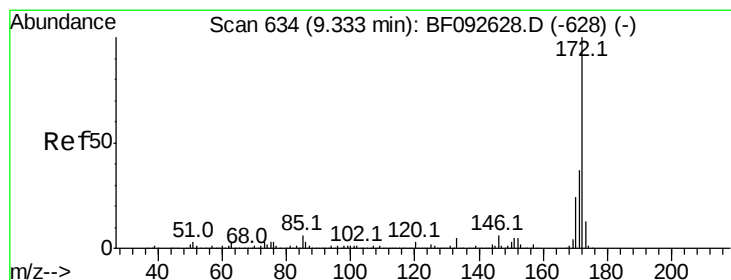
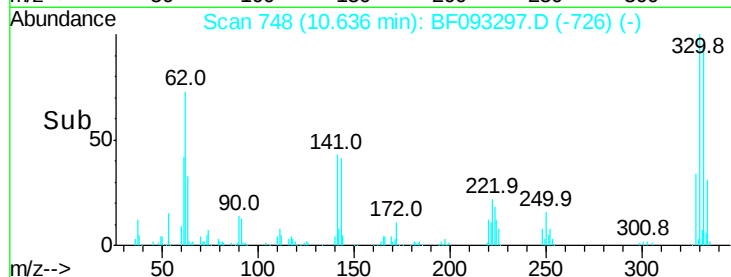
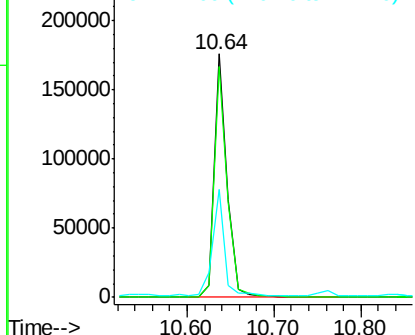
#41  
 2,4,6-Tribromophenol  
 Concen: 101.72 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. -0.05 min  
 Lab File: BF093297.D  
 Acq: 1 Mar 2017 18:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSP-8(5.5-7.5)

Tot Ion:330 Resp: 184597  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.4 116.2  
 141 40.0 34.1 51.1

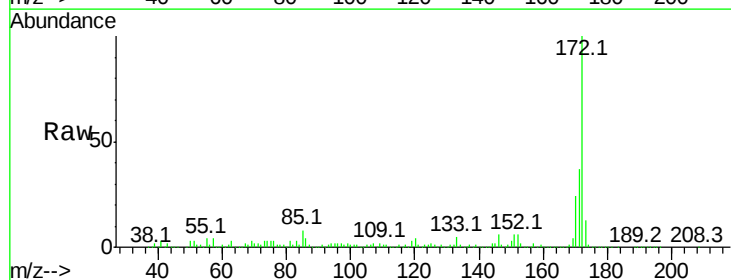


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

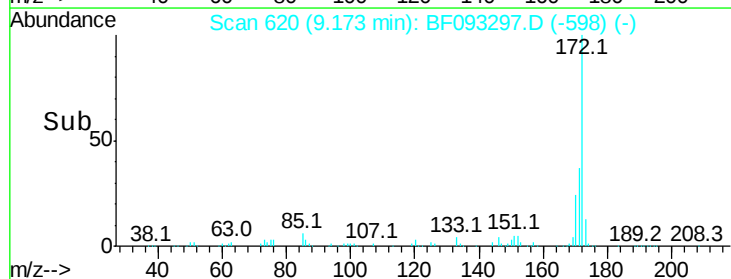
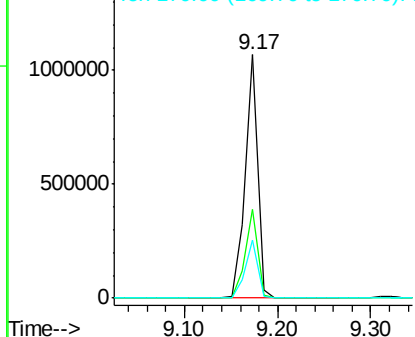


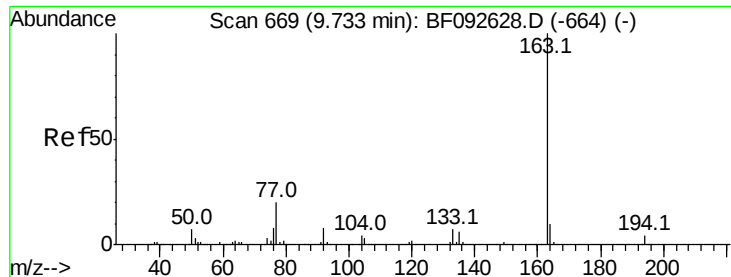
#44  
 2-Fluorobiphenyl  
 Concen: 71.73 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.05 min  
 Lab File: BF093297.D  
 Acq: 1 Mar 2017 18:50

Tgt Ion:172 Resp: 993389  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.0  
 170 23.9 20.2 30.4



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

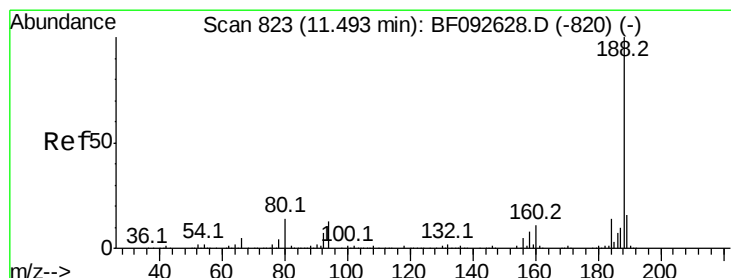
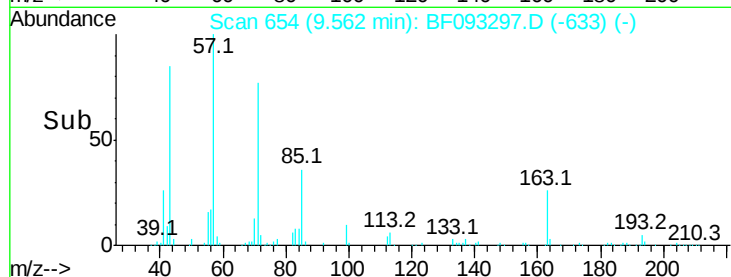
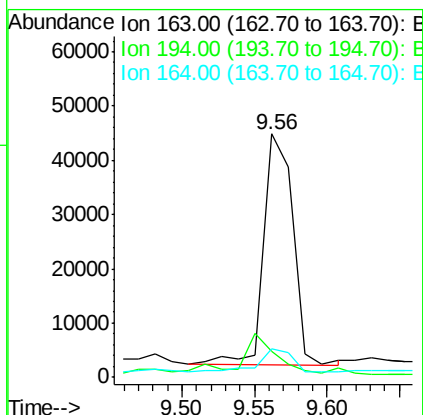
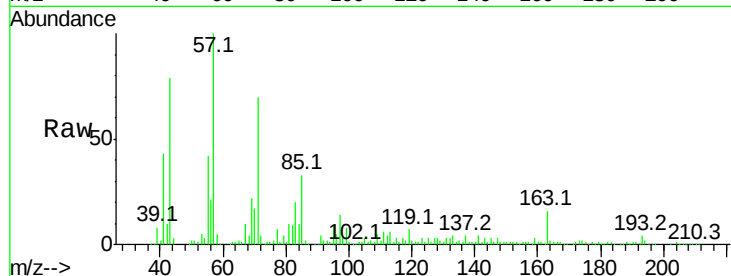




#49  
Dimethylphthalate  
Concen: 3.56 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.06 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

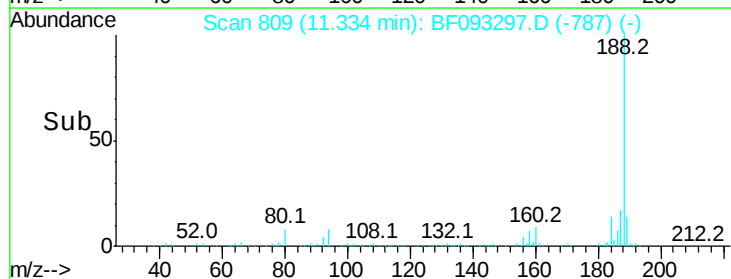
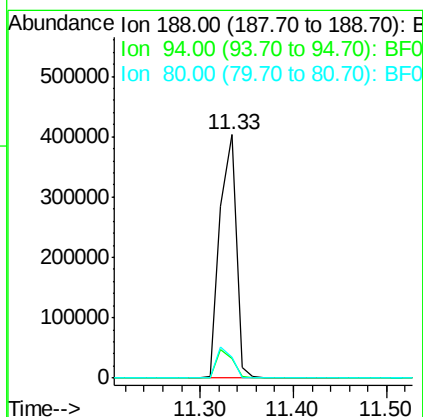
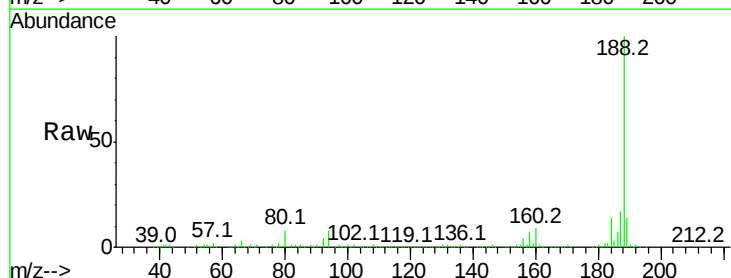
Instrument :  
BNA\_F  
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SSP-8(5.5-7.5)

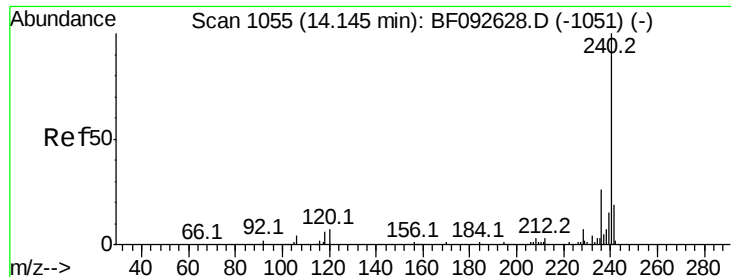
Tot Ion:163 Resp: 60164  
Ion Ratio Lower Upper  
163 100  
194 10.6 3.0 4.4#  
164 11.6 8.0 12.0



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.33 min Scan# 809  
Delta R.T. -0.05 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

Tgt Ion:188 Resp: 493130  
Ion Ratio Lower Upper  
188 100  
94 7.9 10.0 15.0#  
80 8.4 11.2 16.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA\_F

ClientSampleId :

SSP-8(5.5-7.5)

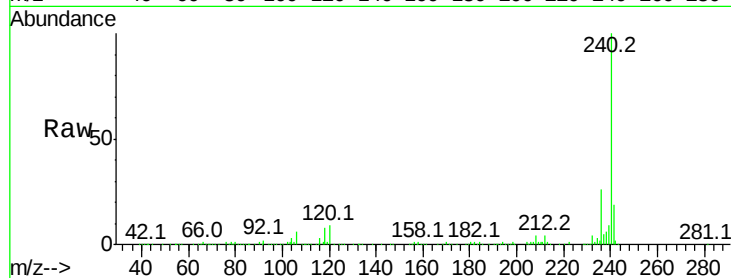
Tot Ion:240 Resp: 423019

Ion Ratio Lower Upper

240 100

120 9.4 12.9 19.3#

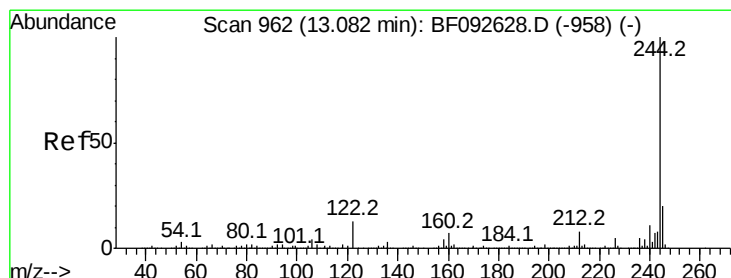
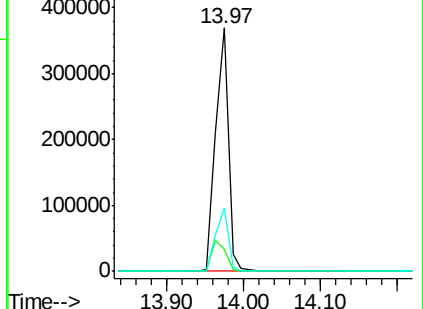
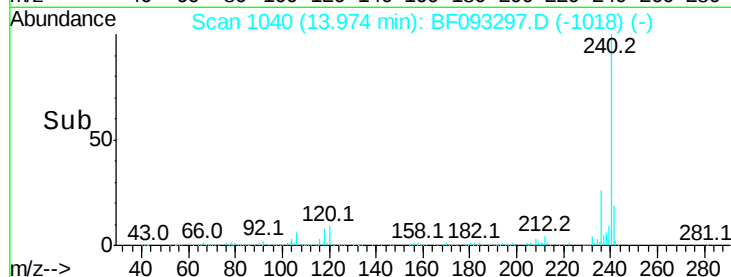
236 25.7 20.9 31.3



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: 48.26 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

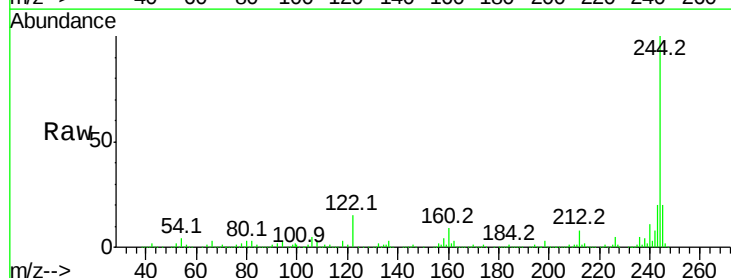
Tgt Ion:244 Resp: 868819

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

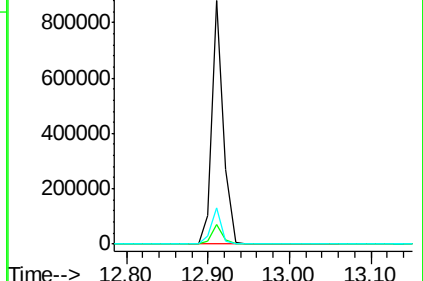
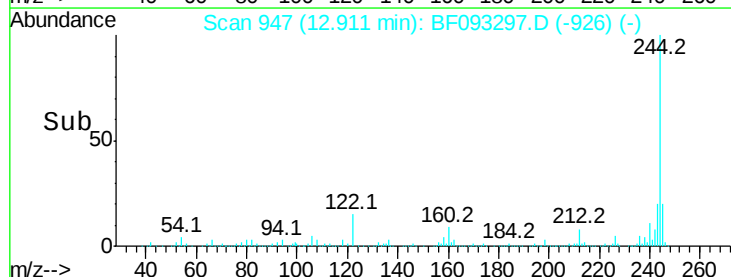
122 15.1 11.4 17.2

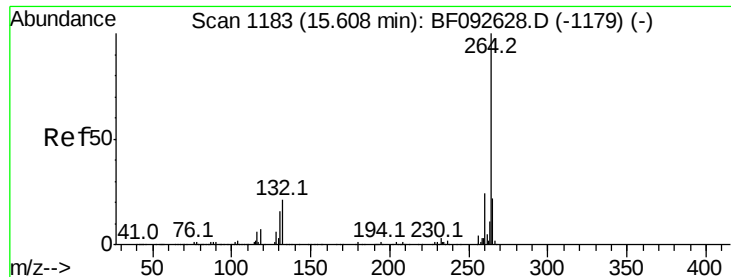


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

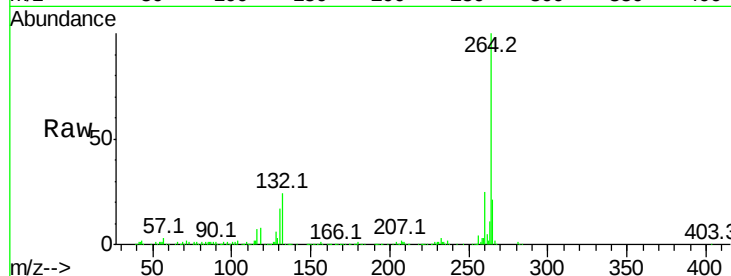




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.39 min Scan# 1164  
Delta R.T. -0.06 min  
Lab File: BF093297.D  
Acq: 1 Mar 2017 18:50

Instrument :  
BNA\_F  
ClientSampleId :  
SSP-8(5.5-7.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.2  | 28.8  |
| 265     | 21.2  | 17.4  | 26.0  |



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

