

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080916\  
 Data File : BF089693.D  
 Acq On : 9 Aug 2016 17:53  
 Operator : UM/SJ  
 Sample : H4345-01RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATERRE

Quant Time: Aug 09 18:43:07 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 01:39:23 2016  
 Response via : Initial Calibration

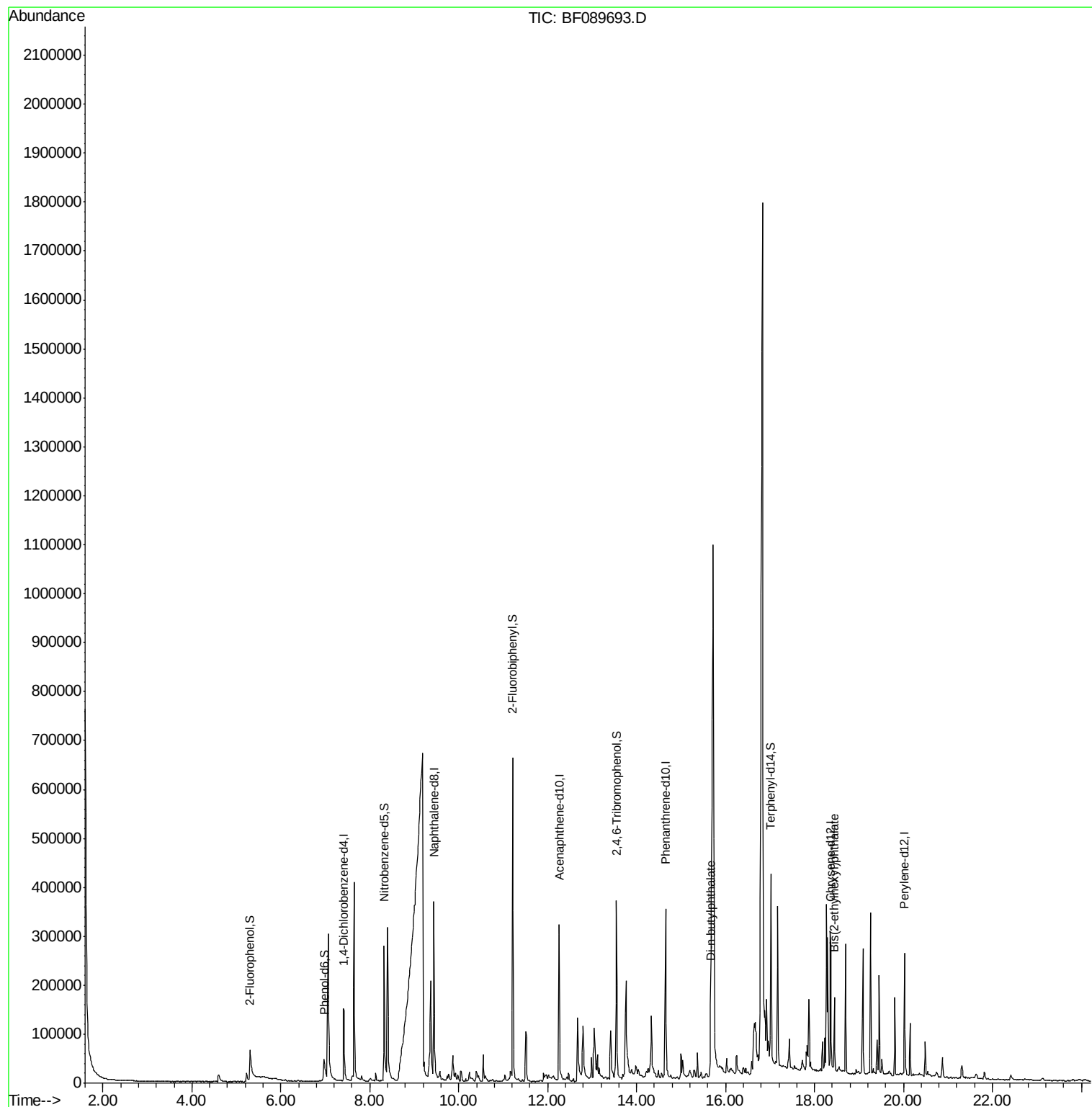
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.42  | 152  | 49226    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8             | 9.44  | 136  | 218490   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10           | 12.26 | 164  | 102753   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10           | 14.65 | 188  | 194406   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12               | 18.37 | 240  | 155867   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 20.02 | 264  | 109054   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 66233    | 22.55 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.97  | 99   | 53203    | 13.35 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.32  | 82   | 139416   | 35.29 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 13.54 | 330  | 49322    | 58.17 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 11.21 | 172  | 296663   | 37.52 | ng    | -0.05    |
| 78) Terphenyl-d14              | 17.02 | 244  | 173537   | 21.98 | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       |          |
| 73) Di-n-butylphthalate        | 15.66 | 149  | 72469    | 5.67  | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.45 | 149  | 50241    | 6.19  | ng    | 98       |

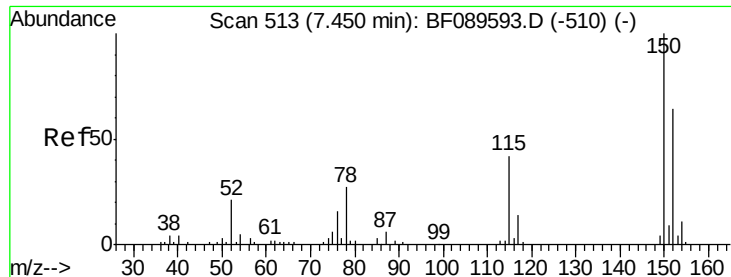
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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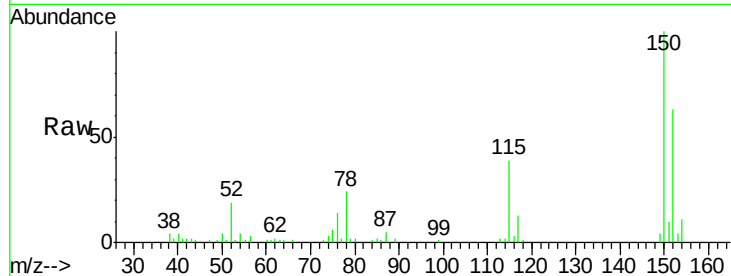


#1

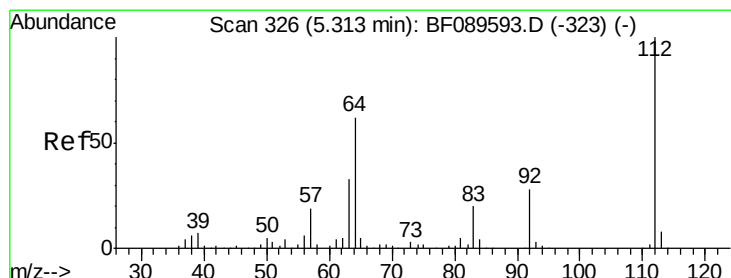
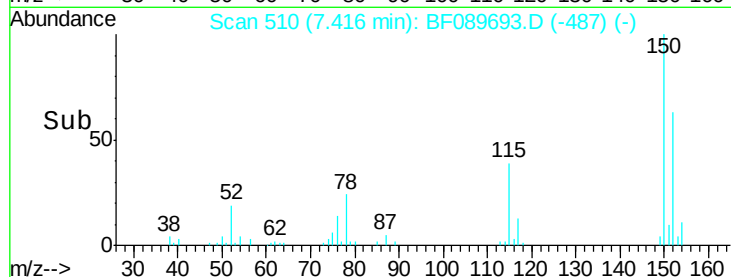
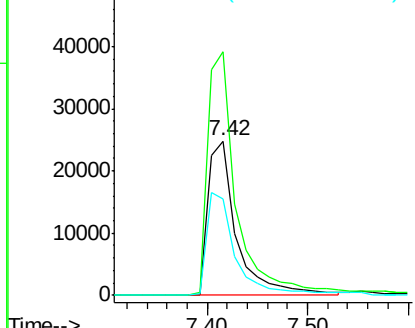
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.42 min Scan# 510  
Delta R.T. -0.03 min  
Lab File: BF089693.D  
Acq: 9 Aug 2016 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
PURGE-WATERRE

Tot Ion:152 Resp: 49226  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.5 188.3  
115 62.2 52.0 78.0



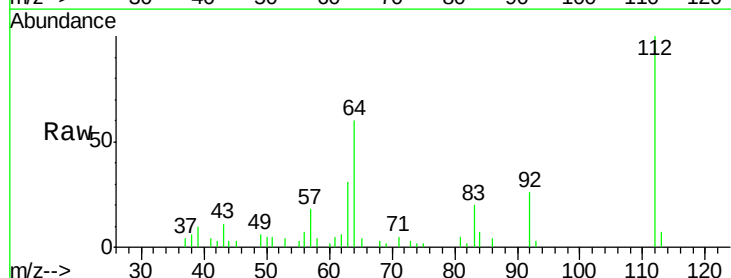
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



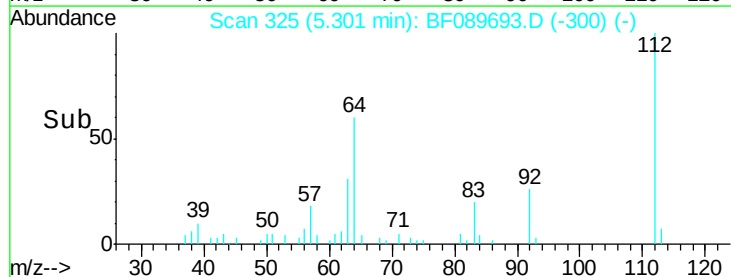
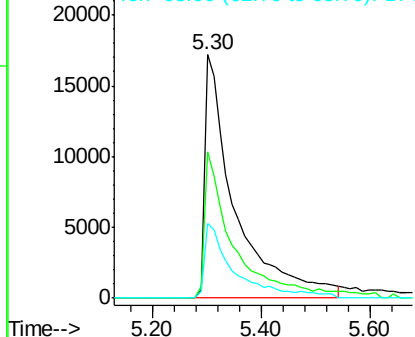
#5

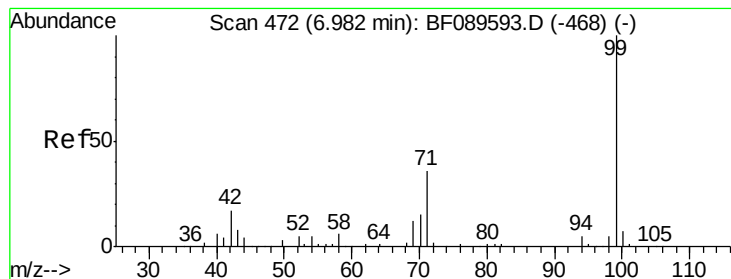
2-Fluorophenol  
Concen: 22.55 ng  
RT: 5.30 min Scan# 325  
Delta R.T. -0.01 min  
Lab File: BF089693.D  
Acq: 9 Aug 2016 17:53

Tgt Ion:112 Resp: 66233  
Ion Ratio Lower Upper  
112 100  
64 60.0 49.9 74.9  
63 30.5 26.1 39.1



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: 13.35 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

Instrument :

BNA\_F

ClientSampleId :

PURGE-WATERRE

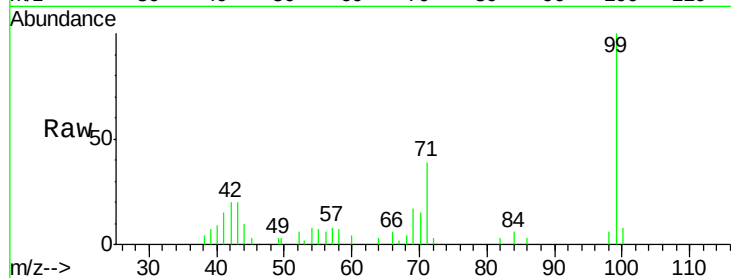
Tot Ion: 99 Resp: 53203

Ion Ratio Lower Upper

99 100

42 20.2 13.7 20.5

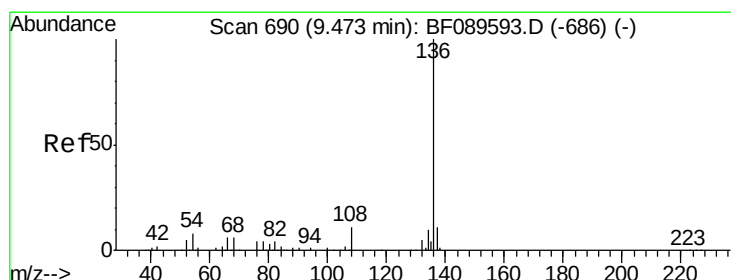
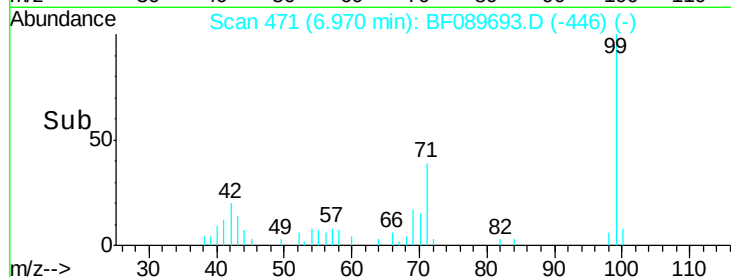
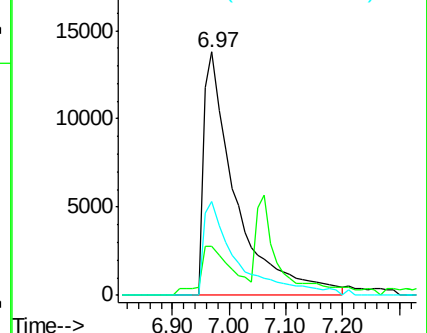
71 38.6 29.0 43.4



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: 9.44 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

Tgt Ion: 136 Resp: 218490

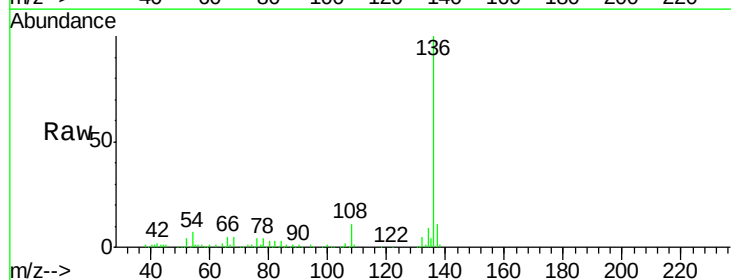
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 7.3 6.0 9.0

68 5.4 4.6 6.8

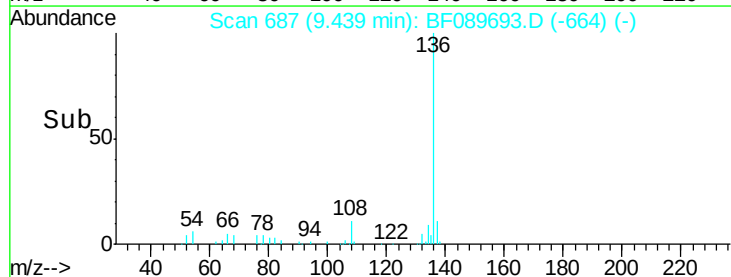
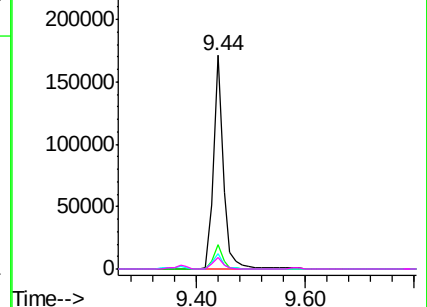


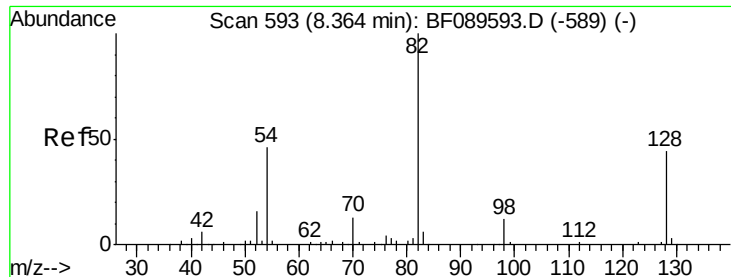
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

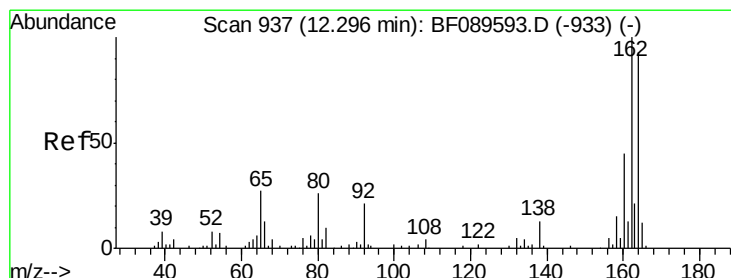
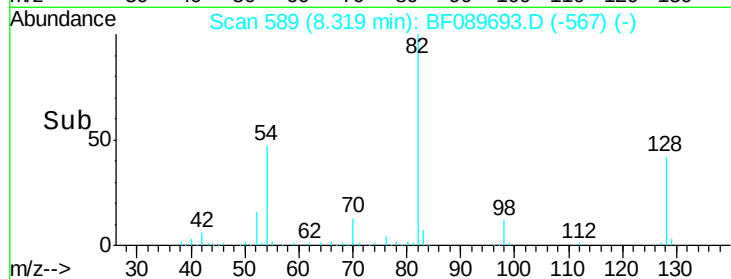
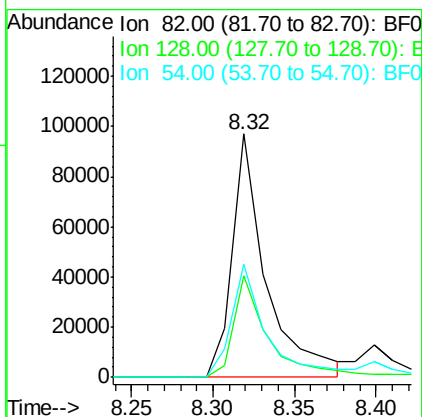
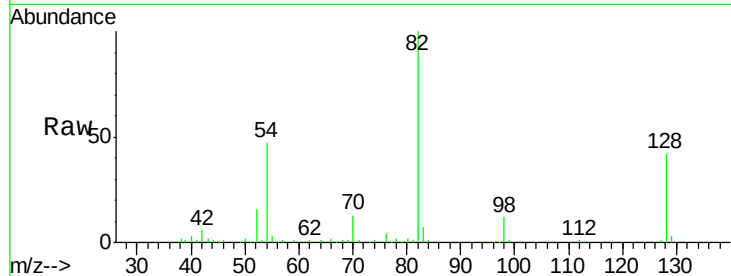




#23  
 Nitrobenzene-d5  
 Concen: 35.29 ng  
 RT: 8.32 min Scan# 589  
 Delta R.T. -0.05 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

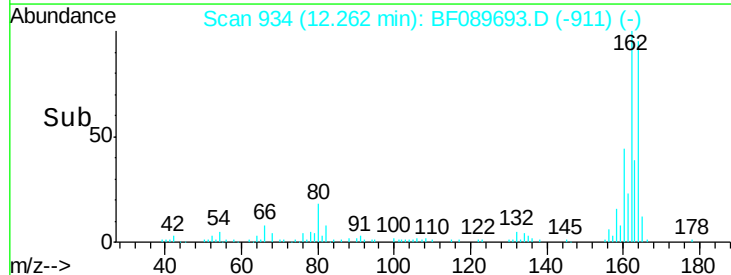
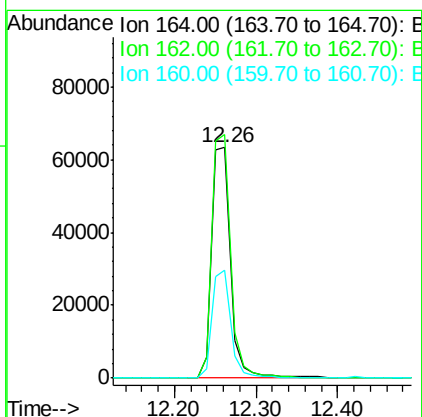
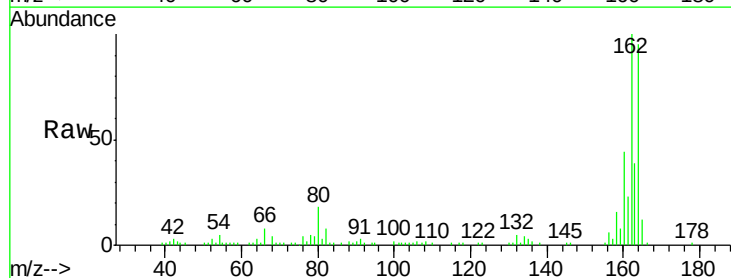
Instrument :  
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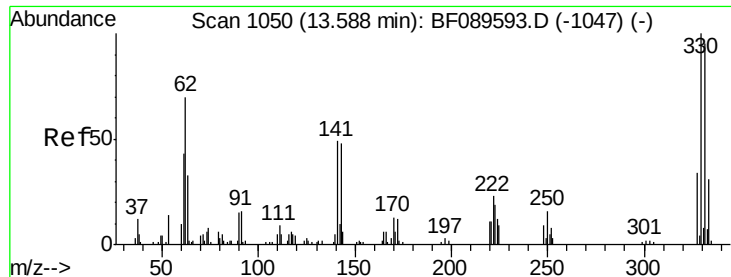
Tot Ion: 82 Resp: 139416  
 Ion Ratio Lower Upper  
 82 100  
 128 41.8 35.4 53.0  
 54 46.6 36.4 54.6



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.26 min Scan# 934  
 Delta R.T. -0.03 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

Tgt Ion: 164 Resp: 102753  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 85.7 128.5  
 160 46.8 38.2 57.4

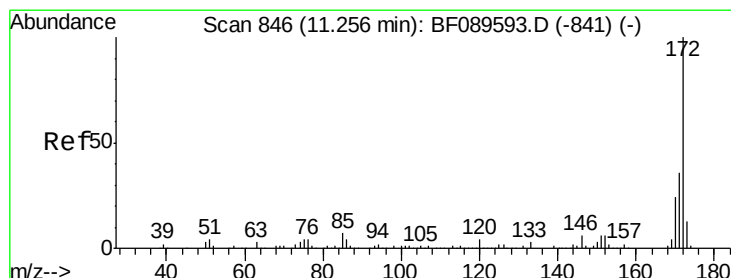
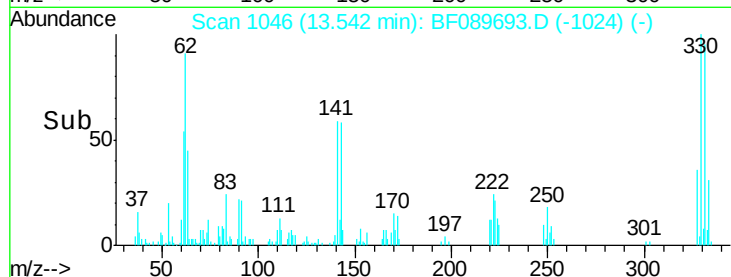
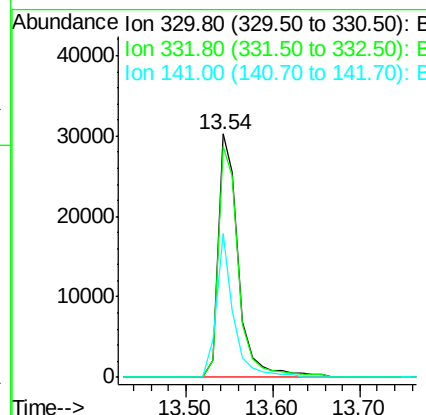
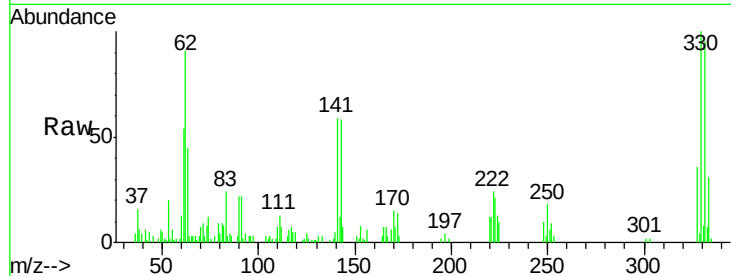




#41  
 2,4,6-Tribromophenol  
 Concen: 58.17 ng  
 RT: 13.54 min Scan# 1046  
 Delta R.T. -0.05 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

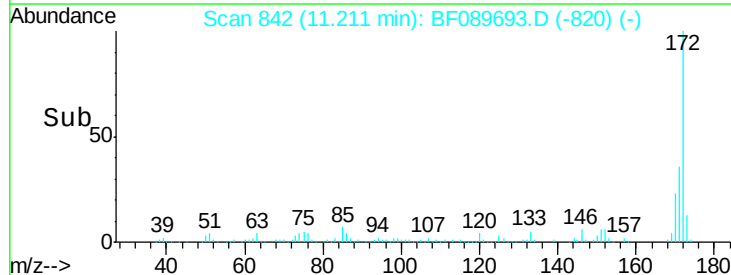
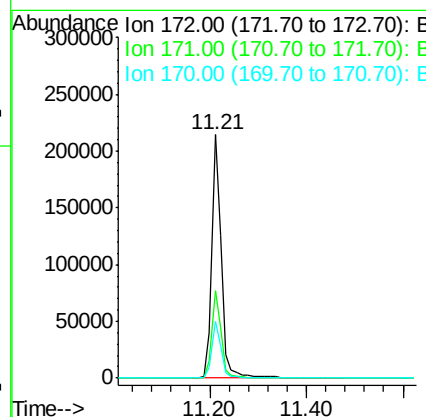
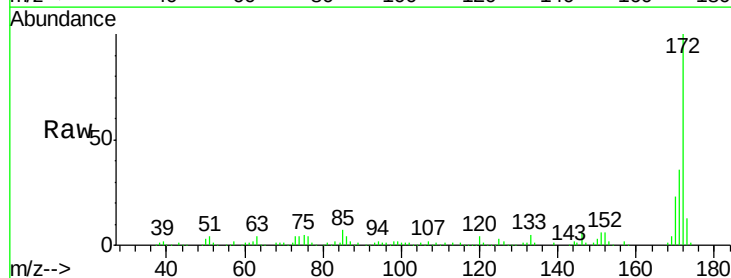
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PURGE-WATERRE

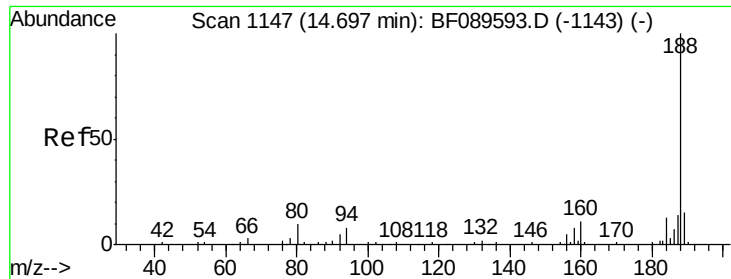
Tot Ion:330 Resp: 49322  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.0 115.6  
 141 50.1 38.6 57.8



#44  
 2-Fluorobiphenyl  
 Concen: 37.52 ng  
 RT: 11.21 min Scan# 842  
 Delta R.T. -0.05 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

Tgt Ion:172 Resp: 296663  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.9 43.3  
 170 23.4 19.0 28.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.65 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

Instrument :

BNA\_F

ClientSampleId :

PURGE-WATERRE

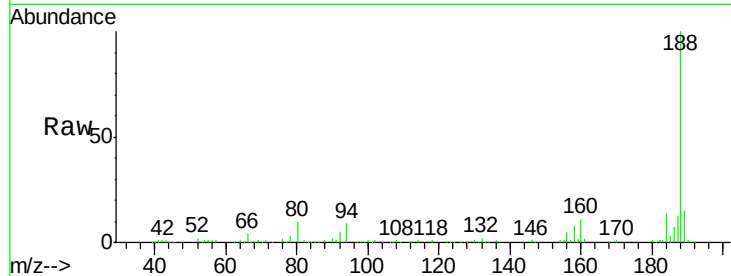
Tot Ion:188 Resp: 194406

Ion Ratio Lower Upper

188 100

94 9.4 6.5 9.7

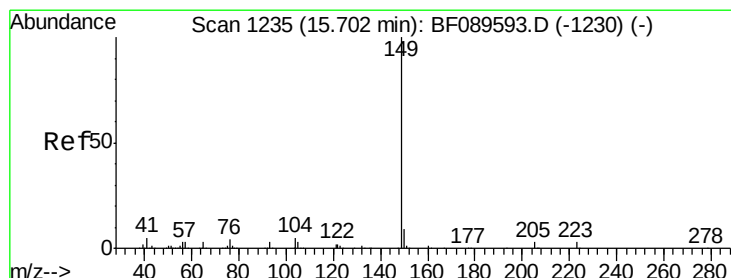
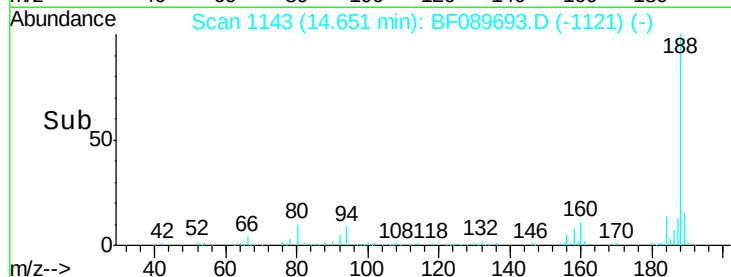
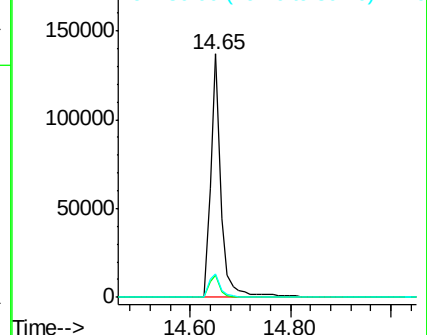
80 9.8 8.0 12.0



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



#73

Di-n-butylphthalate

Concen: 5.67 ng

RT: 15.66 min Scan# 1231

Delta R.T. -0.05 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

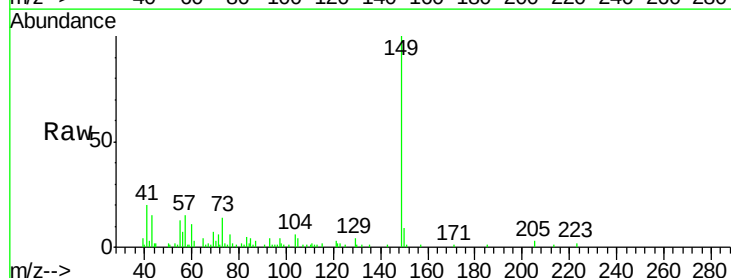
Tgt Ion:149 Resp: 72469

Ion Ratio Lower Upper

149 100

150 9.5 7.2 10.8

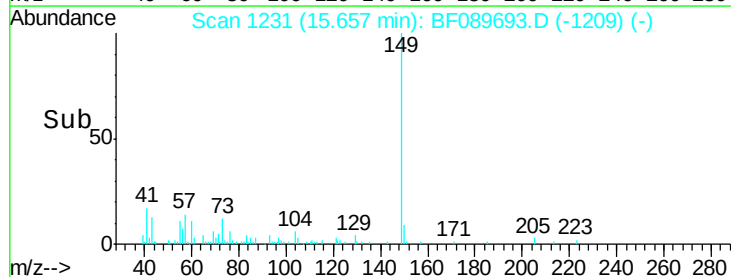
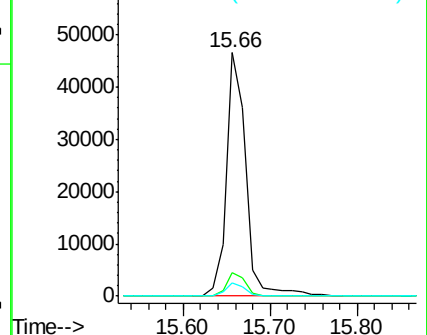
104 5.5 3.8 5.8

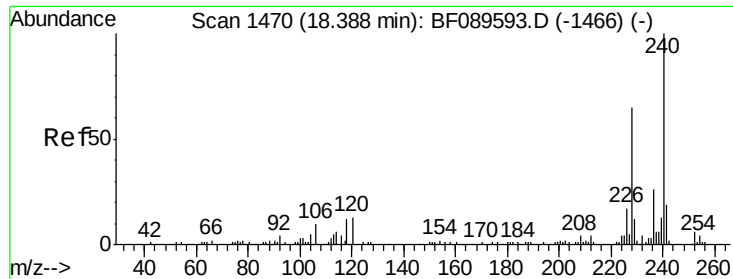


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

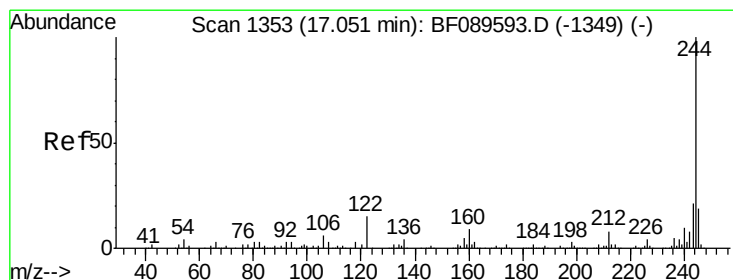
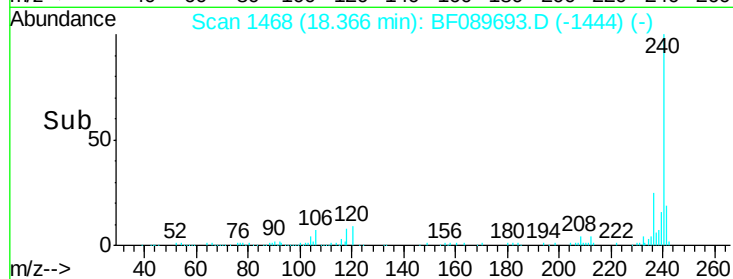
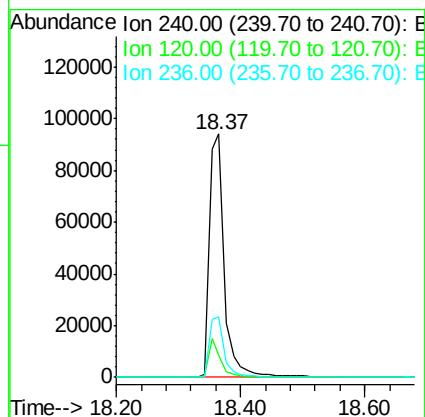
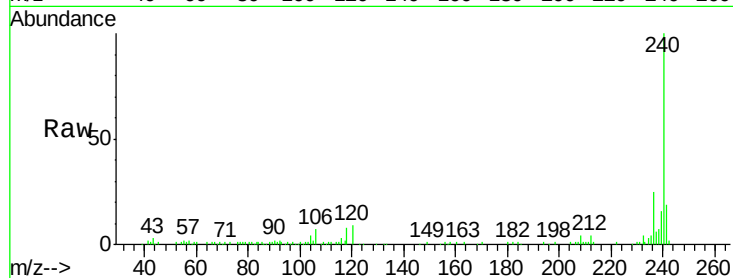




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.37 min Scan# 1468  
 Delta R.T. -0.02 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

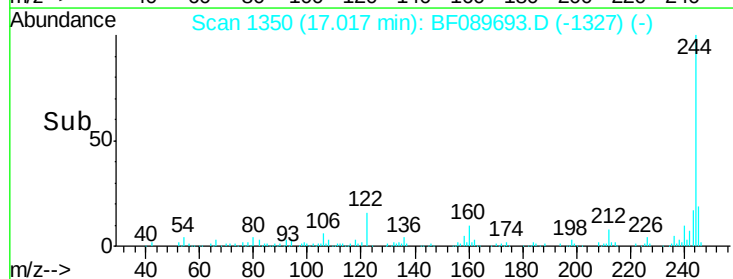
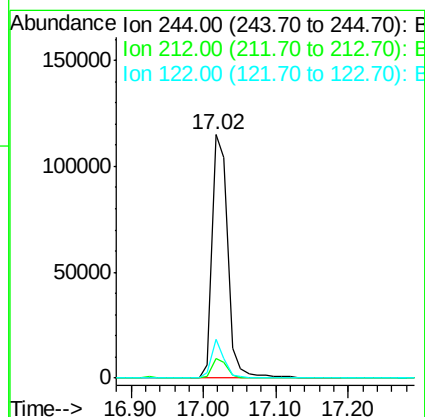
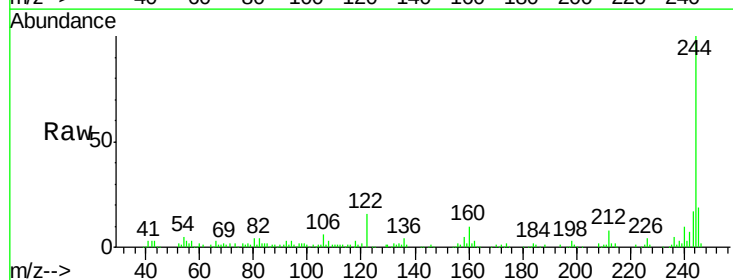
Instrument :  
 BNA\_F  
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 PURGE-WATERRE

Tot Ion:240 Resp: 155867  
 Ion Ratio Lower Upper  
 240 100  
 120 9.2 10.6 15.8#  
 236 24.7 20.6 30.8

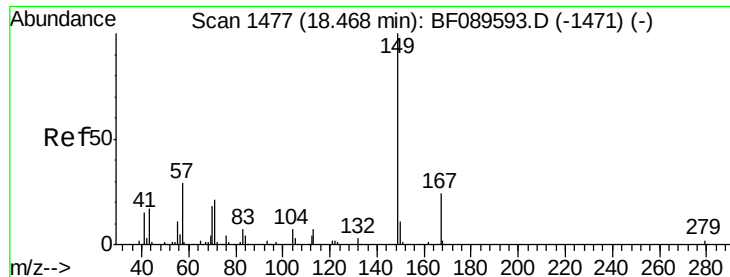


#78  
 Terphenyl-d14  
 Concen: 21.98 ng  
 RT: 17.02 min Scan# 1350  
 Delta R.T. -0.03 min  
 Lab File: BF089693.D  
 Acq: 9 Aug 2016 17:53

Tgt Ion:244 Resp: 173537  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.4 9.6  
 122 16.0 12.2 18.2







#83

Bis(2-ethylhexyl)phthalate

Concen: 6.19 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.02 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

Instrument :

BNA\_F

ClientSampleId :

PURGE-WATERRE

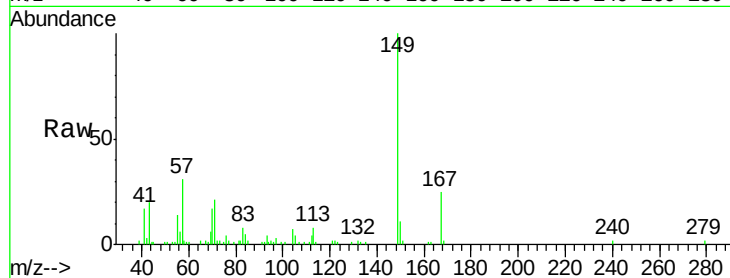
Tot Ion:149 Resp: 50241

Ion Ratio Lower Upper

149 100

167 24.8 19.0 28.4

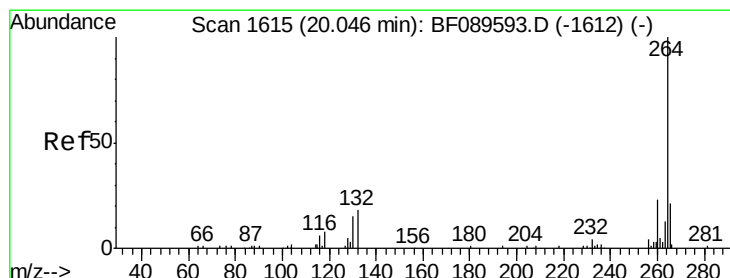
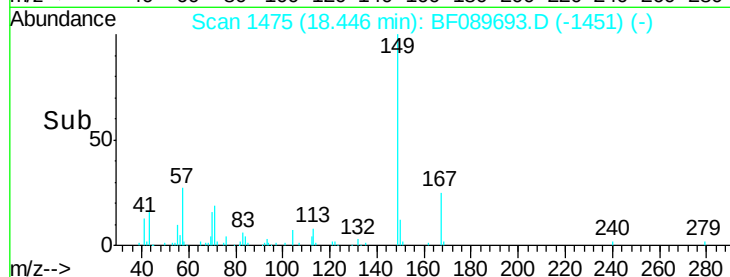
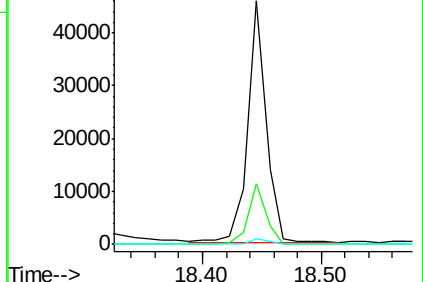
279 2.4 1.8 2.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF089693.D

Acq: 9 Aug 2016 17:53

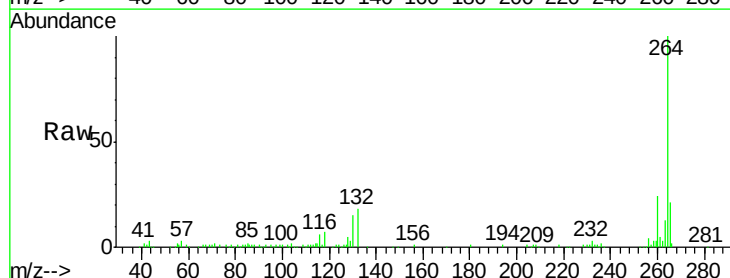
Tgt Ion:264 Resp: 109054

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.0 16.5 24.7



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

