

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094326.D  
 Acq On : 10 Apr 2017 22:06  
 Operator : SJ/MA  
 Sample : I2595-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-4

Quant Time: Apr 11 02:19:57 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

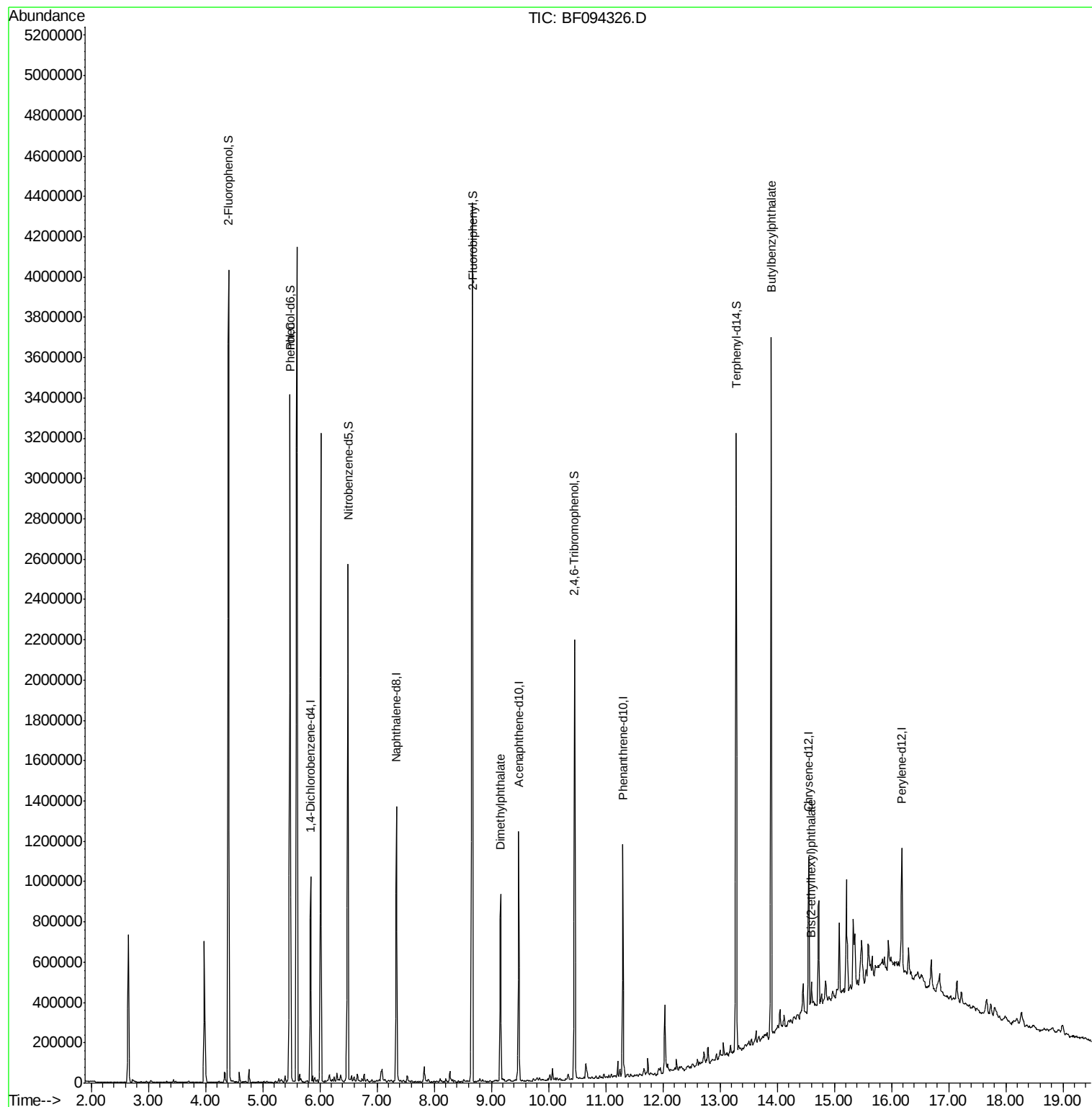
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.84  | 152  | 161754   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 7.34  | 136  | 641025   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.48  | 164  | 281783   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 456981   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 14.55 | 240  | 314520   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 16.18 | 264  | 259173   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.40  | 112  | 1320178  | 137.85 | ng    | 0.02      |
| 7) Phenol-d6                   | 5.48  | 99   | 1698073  | 143.33 | ng    | 0.02      |
| 23) Nitrobenzene-d5            | 6.49  | 82   | 1041105  | 92.69  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 323540   | 145.30 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 8.67  | 172  | 1726306  | 93.44  | ng    | -0.02     |
| 78) Terphenyl-d14              | 13.29 | 244  | 1197167  | 85.32  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 5.49  | 94   | 130278   | 9.66   | ng    | Qvalue 90 |
| 49) Dimethylphthalate          | 9.16  | 163  | 416446   | 20.79  | ng    | 99        |
| 79) Butylbenzylphthalate       | 13.90 | 149  | 1115275  | 114.67 | ng    | # 84      |
| 83) Bis(2-ethylhexyl)phthalate | 14.60 | 149  | 47934    | 3.61   | ng    | # 97      |

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.84 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

GRID-4

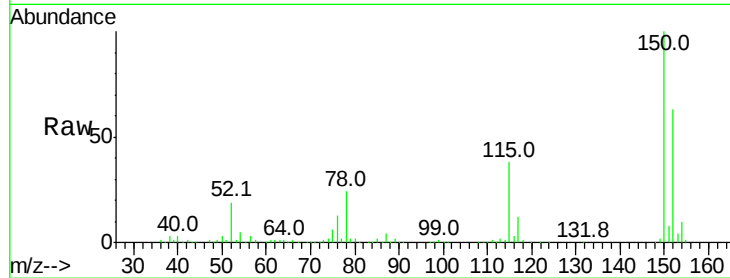
Tot Ion:152 Resp: 161754

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

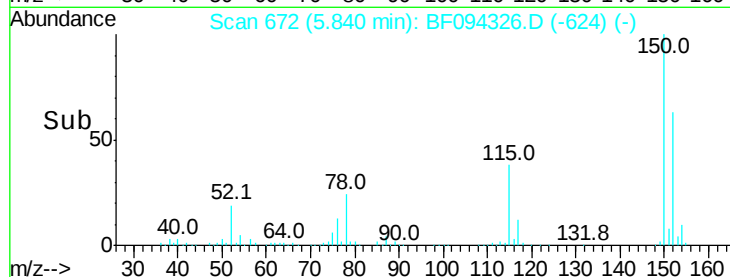
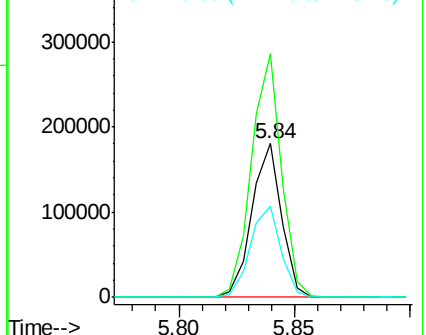
115 59.6 52.2 78.2



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: 137.85 ng

RT: 4.40 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

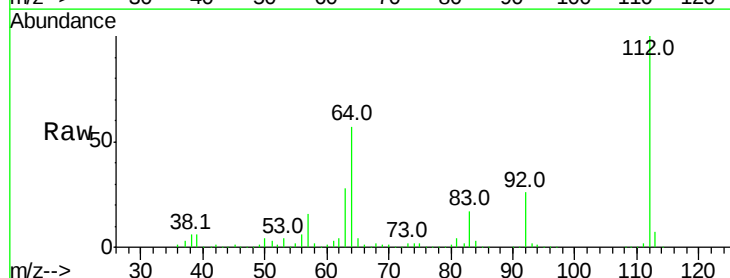
Tgt Ion:112 Resp: 1320178

Ion Ratio Lower Upper

112 100

64 56.5 46.0 69.0

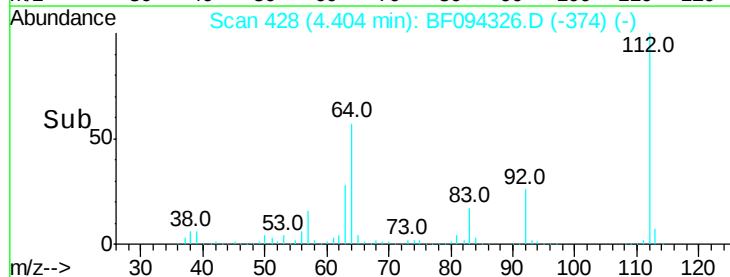
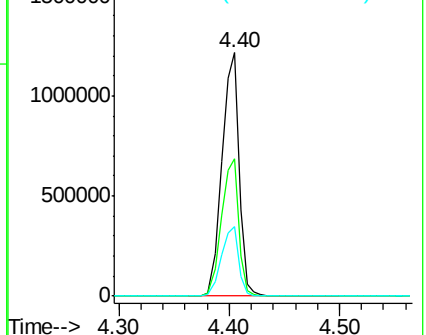
63 28.3 23.4 35.0

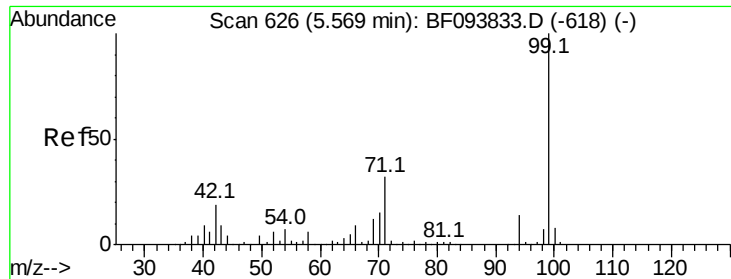


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.33 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

GRID-4

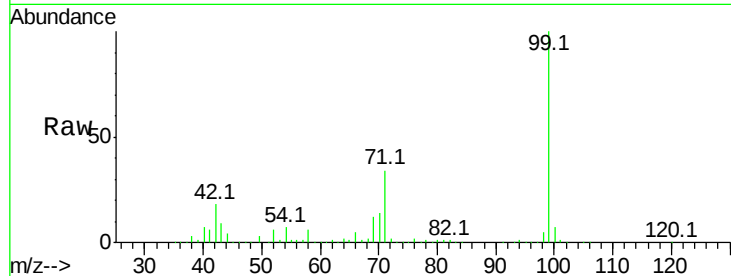
Tot Ion: 99 Resp: 1698073

Ion Ratio Lower Upper

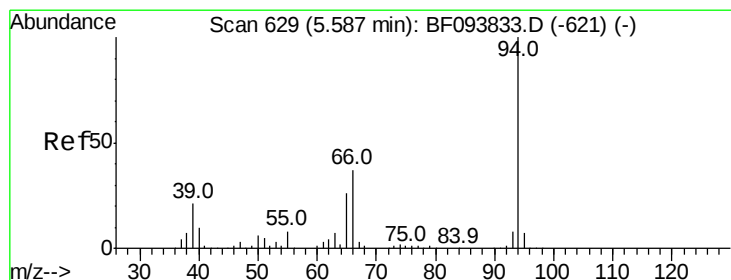
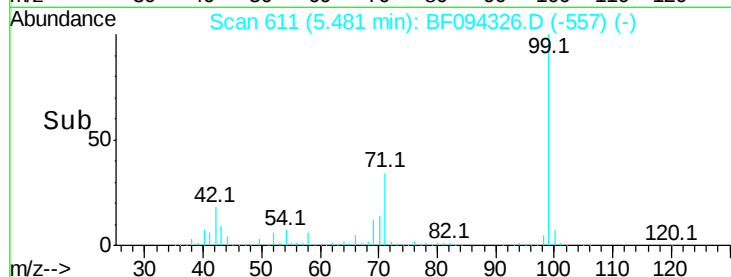
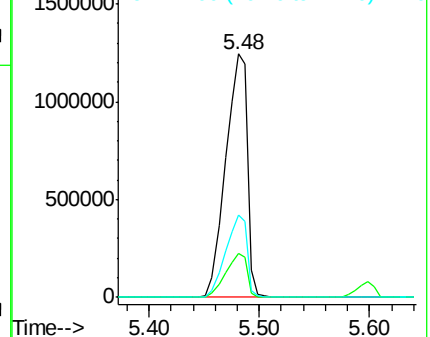
99 100

42 18.0 13.5 20.3

71 33.6 24.5 36.7



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: 9.66 ng

RT: 5.49 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

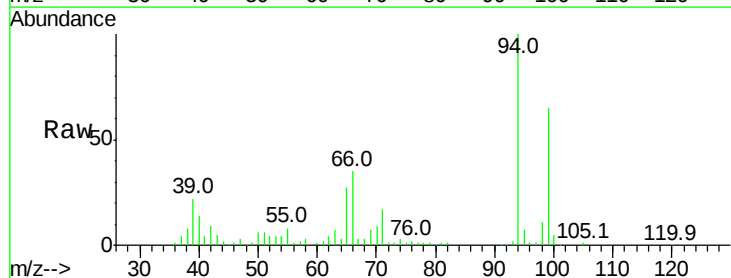
Tgt Ion: 94 Resp: 130278

Ion Ratio Lower Upper

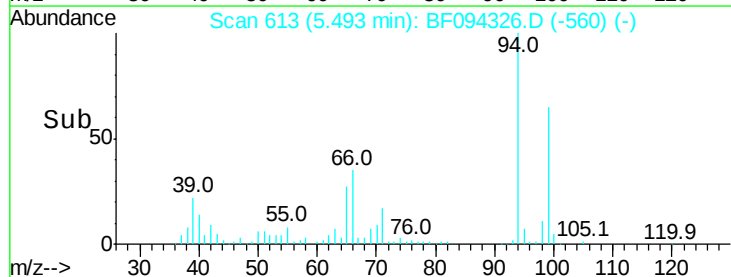
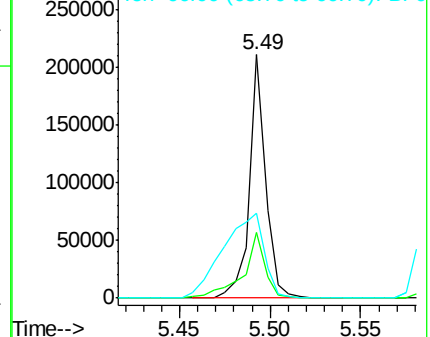
94 100

65 26.8 9.9 49.9

66 35.0 23.1 63.1



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: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

GRID-4

Tot Ion:136 Resp: 641025

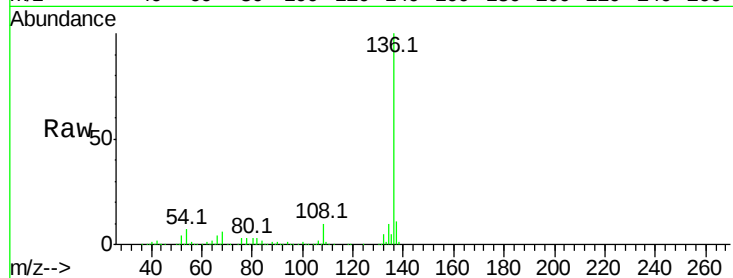
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.3 4.9 7.3#

68 5.9 4.1 6.1

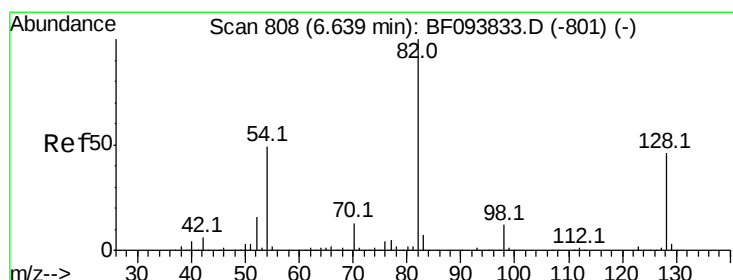
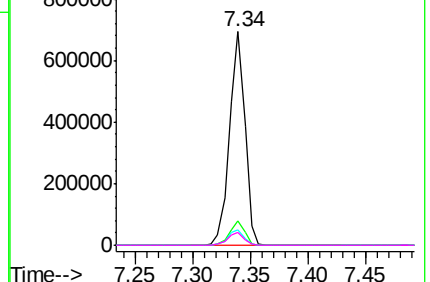
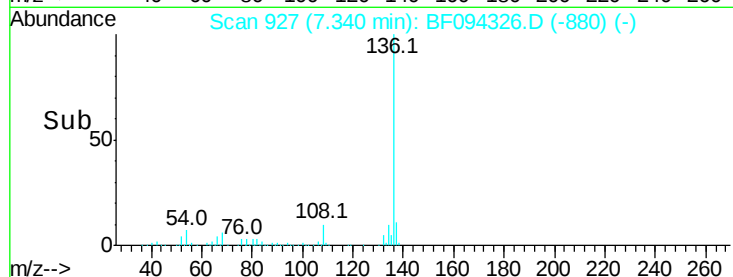


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.69 ng

RT: 6.49 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

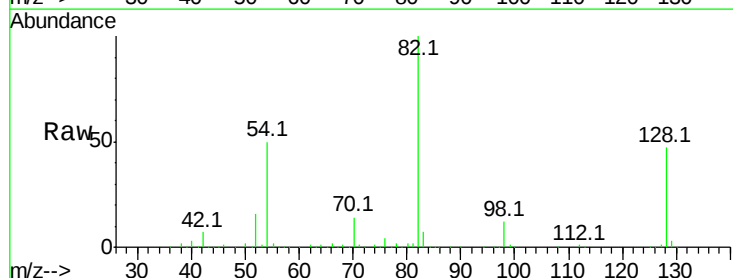
Tgt Ion: 82 Resp: 1041105

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

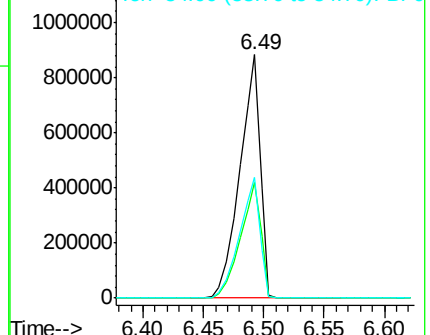
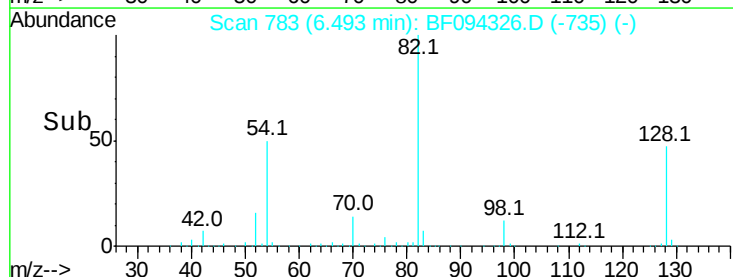
54 49.7 42.2 63.2

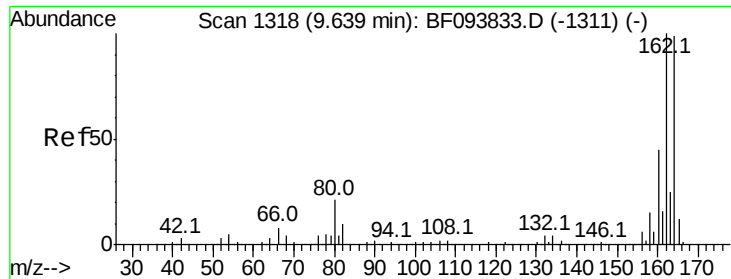


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

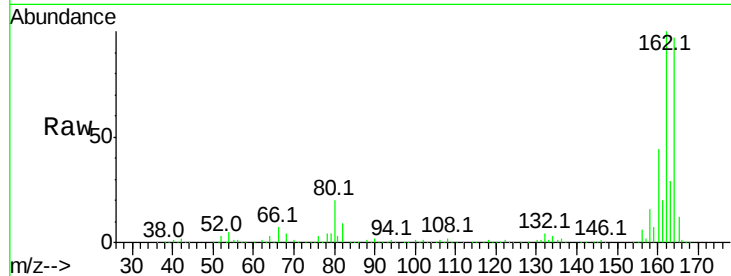




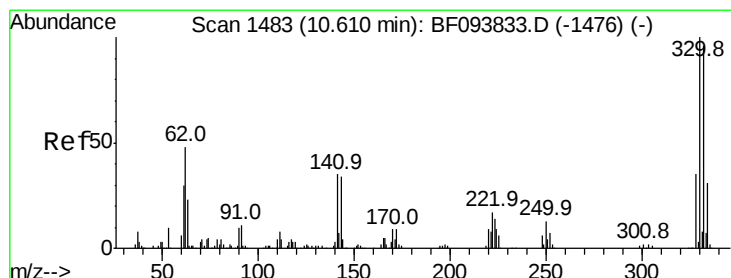
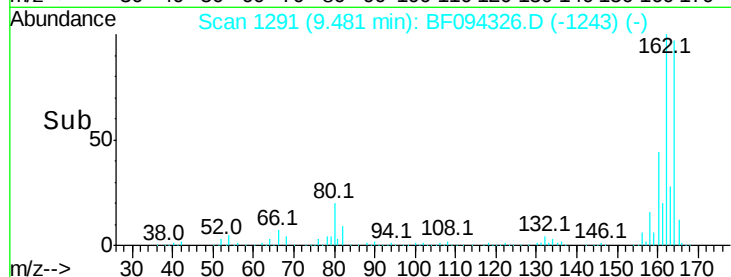
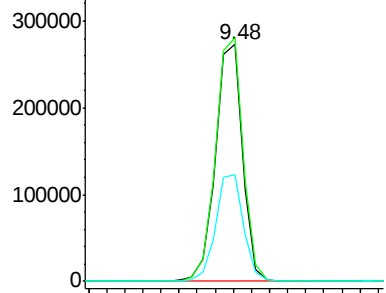
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.48 min Scan# 1291  
 Delta R.T. -0.02 min  
 Lab File: BF094326.D  
 Acq: 10 Apr 2017 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-4

Tot Ion:164 Resp: 281783  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 82.6 123.8  
 160 45.2 36.2 54.2

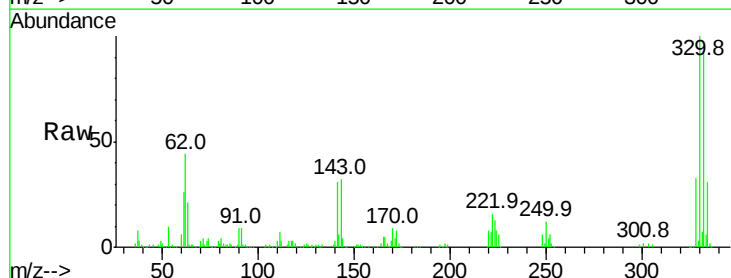


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

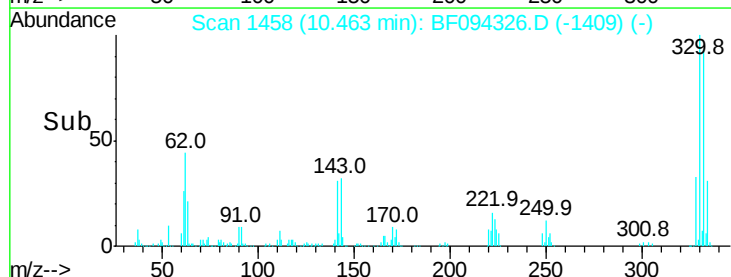
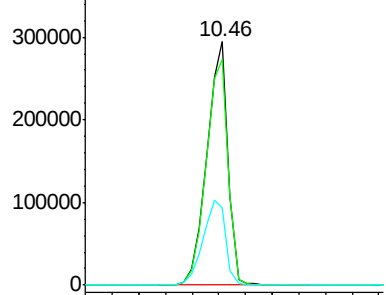


#41  
 2,4,6-Tribromophenol  
 Concen: 145.30 ng  
 RT: 10.46 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF094326.D  
 Acq: 10 Apr 2017 22:06

Tgt Ion:330 Resp: 323540  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.6 115.0  
 141 38.1 31.4 47.2



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



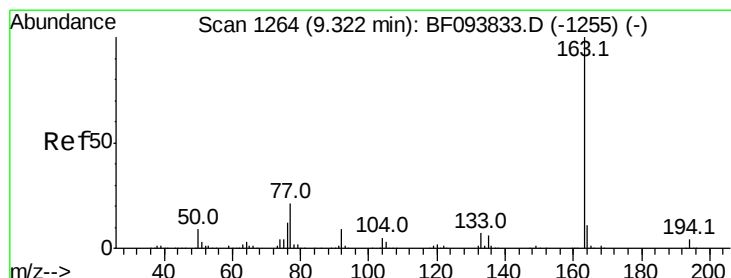
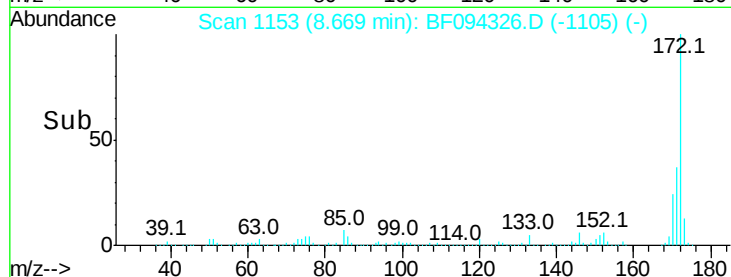
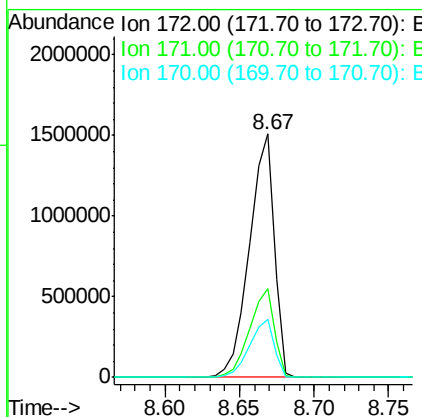
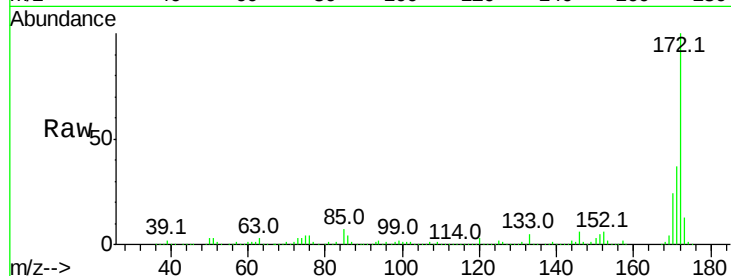


#44  
 2-Fluorobiphenyl  
 Concen: 93.44 ng  
 RT: 8.67 min Scan# 1153  
 Delta R.T. -0.02 min  
 Lab File: BF094326.D  
 Acq: 10 Apr 2017 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-4

Tot Ion:172 Resp: 1726306  

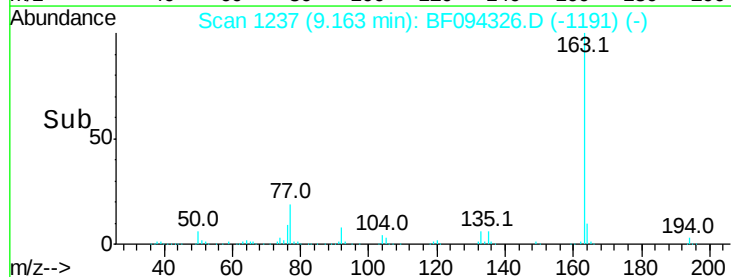
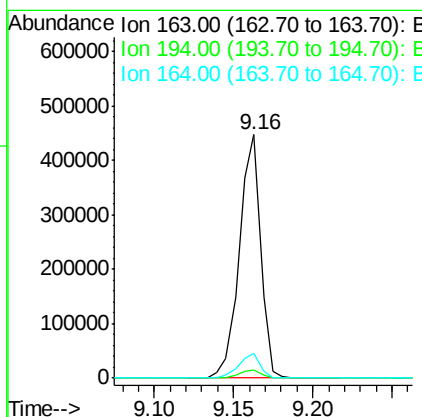
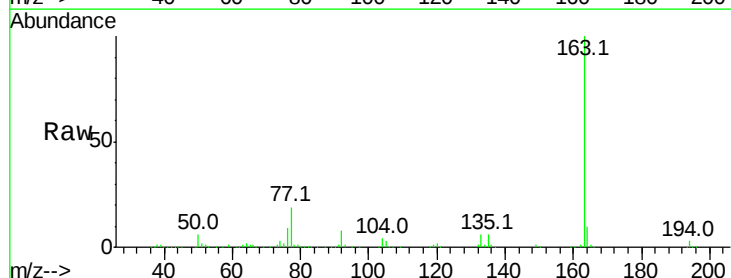
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.5  | 29.6  | 44.4  |
| 170 | 24.0  | 19.8  | 29.8  |

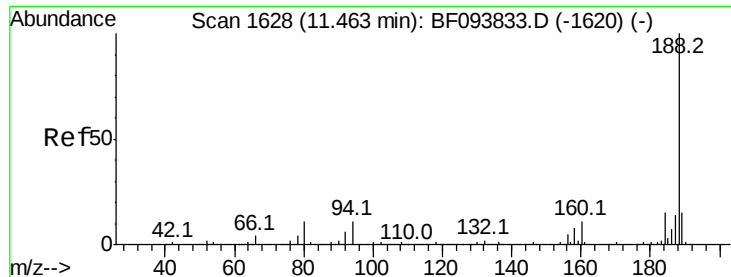


#49  
 Dimethylphthalate  
 Concen: 20.79 ng  
 RT: 9.16 min Scan# 1237  
 Delta R.T. -0.03 min  
 Lab File: BF094326.D  
 Acq: 10 Apr 2017 22:06

Tgt Ion:163 Resp: 416446  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 2.6   | 4.0   |
| 164 | 10.1  | 8.4   | 12.6  |

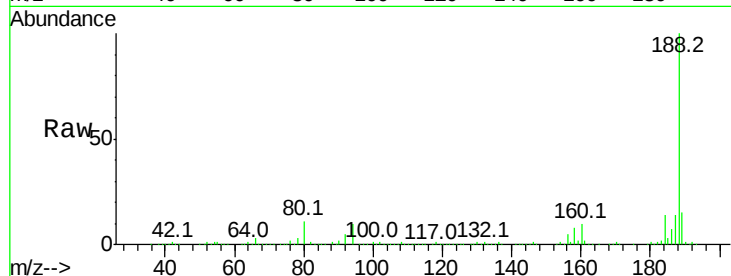




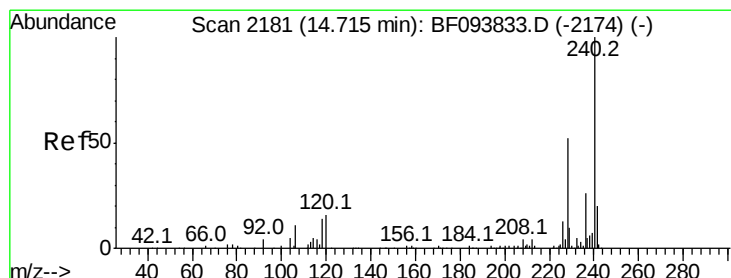
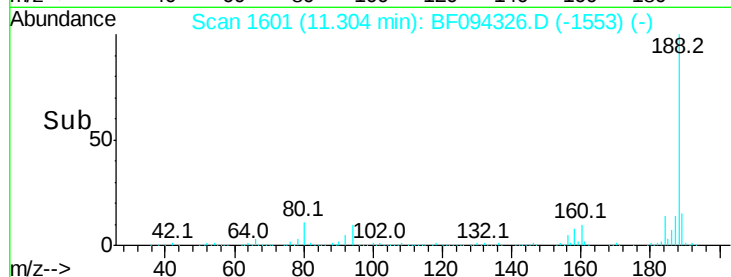
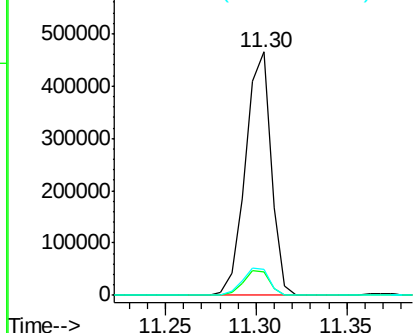
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1601  
Delta R.T. -0.02 min  
Lab File: BF094326.D  
Acq: 10 Apr 2017 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-4

Tot Ion:188 Resp: 456981  
Ion Ratio Lower Upper  
188 100  
94 9.8 9.4 14.2  
80 10.5 10.2 15.2

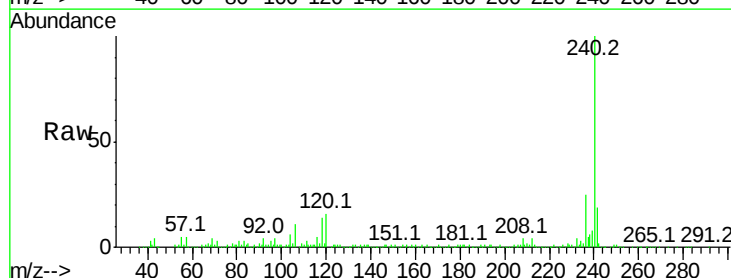


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

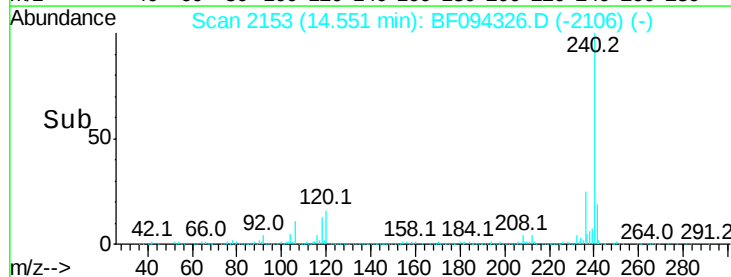
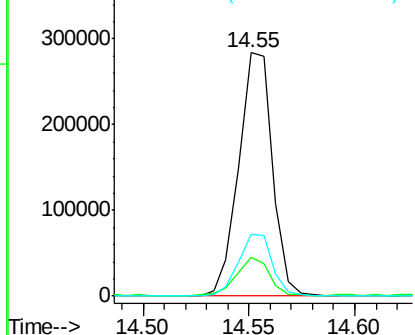


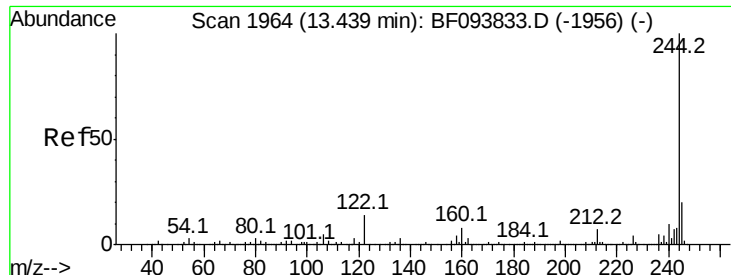
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.55 min Scan# 2153  
Delta R.T. -0.02 min  
Lab File: BF094326.D  
Acq: 10 Apr 2017 22:06

Tgt Ion:240 Resp: 314520  
Ion Ratio Lower Upper  
240 100  
120 16.2 5.8 8.8#  
236 25.2 20.5 30.7



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: 85.32 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampled :

GRID-4

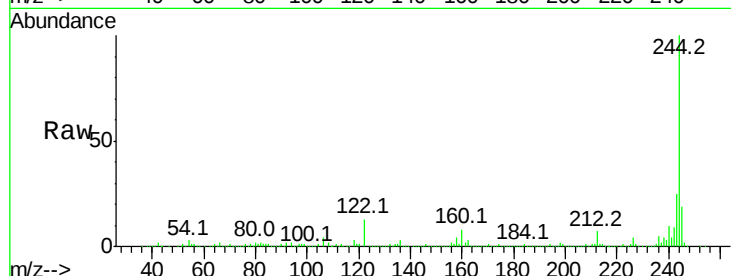
Tot Ion:244 Resp: 1197167

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

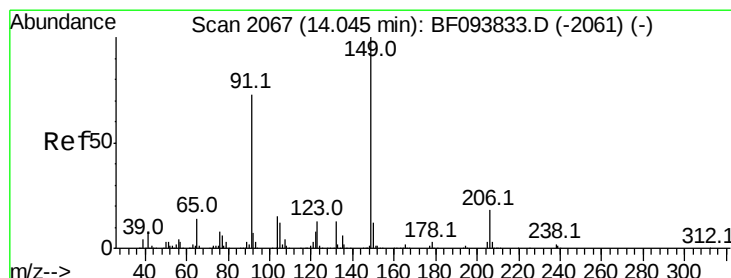
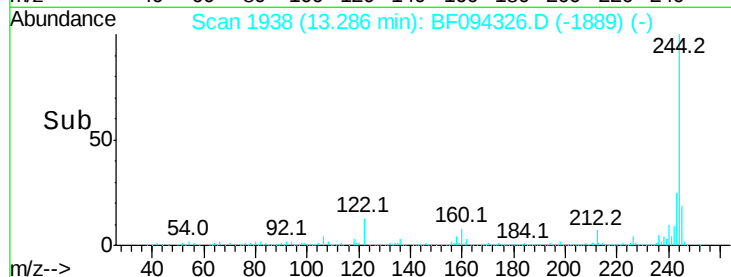
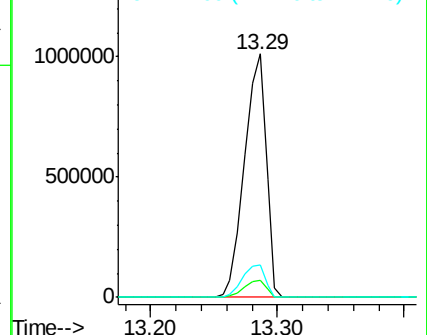
122 13.1 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 114.67 ng

RT: 13.90 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

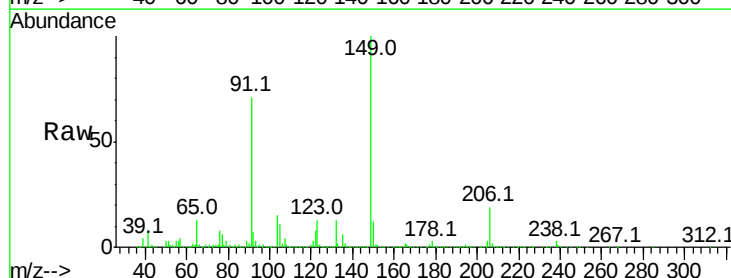
Tgt Ion:149 Resp: 1115275

Ion Ratio Lower Upper

149 100

91 70.8 45.0 67.4#

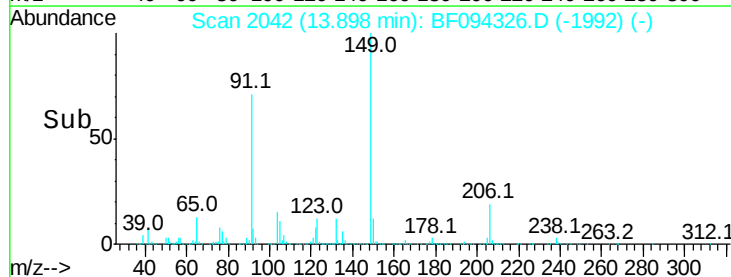
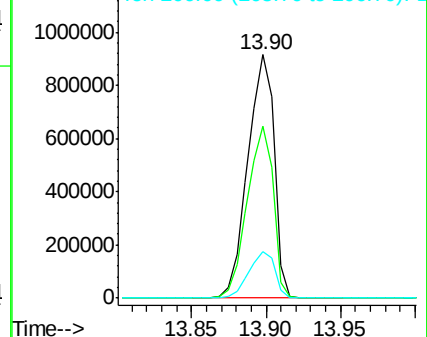
206 18.9 17.0 25.6

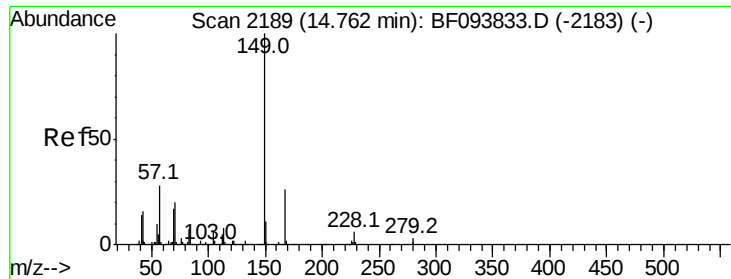


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.61 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

GRID-4

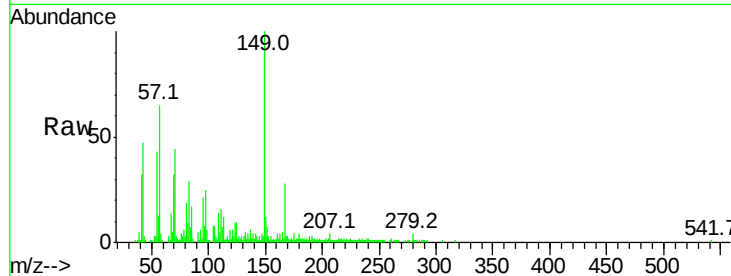
Tot Ion:149 Resp: 47934

Ion Ratio Lower Upper

149 100

167 27.5 21.0 31.4

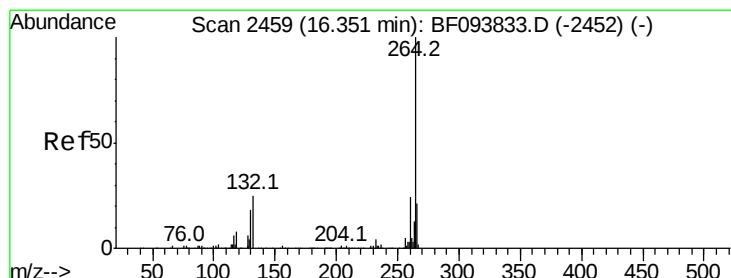
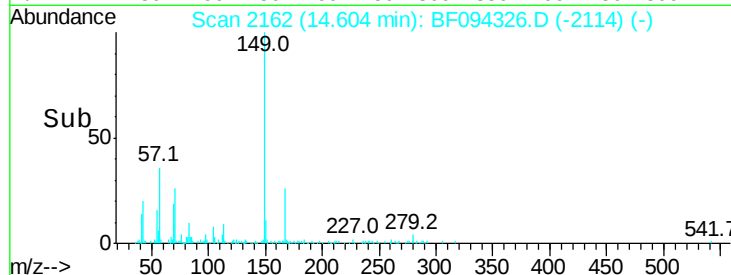
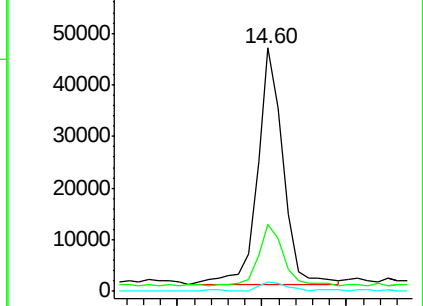
279 3.7 1.9 2.9#



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: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094326.D

Acq: 10 Apr 2017 22:06

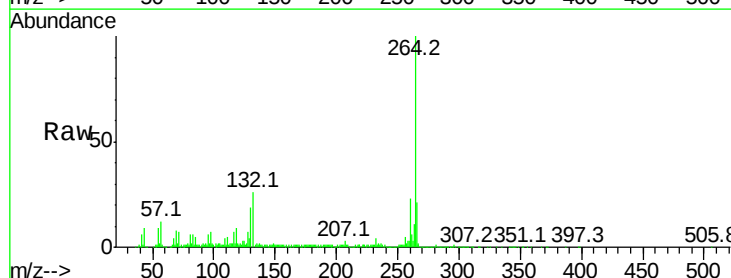
Tgt Ion:264 Resp: 259173

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 21.3 17.2 25.8



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

