

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\  
 Data File : BF093954.D  
 Acq On : 27 Mar 2017 20:55  
 Operator : SJ/MA  
 Sample : I2405-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANK2

Quant Time: Mar 28 00:28:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

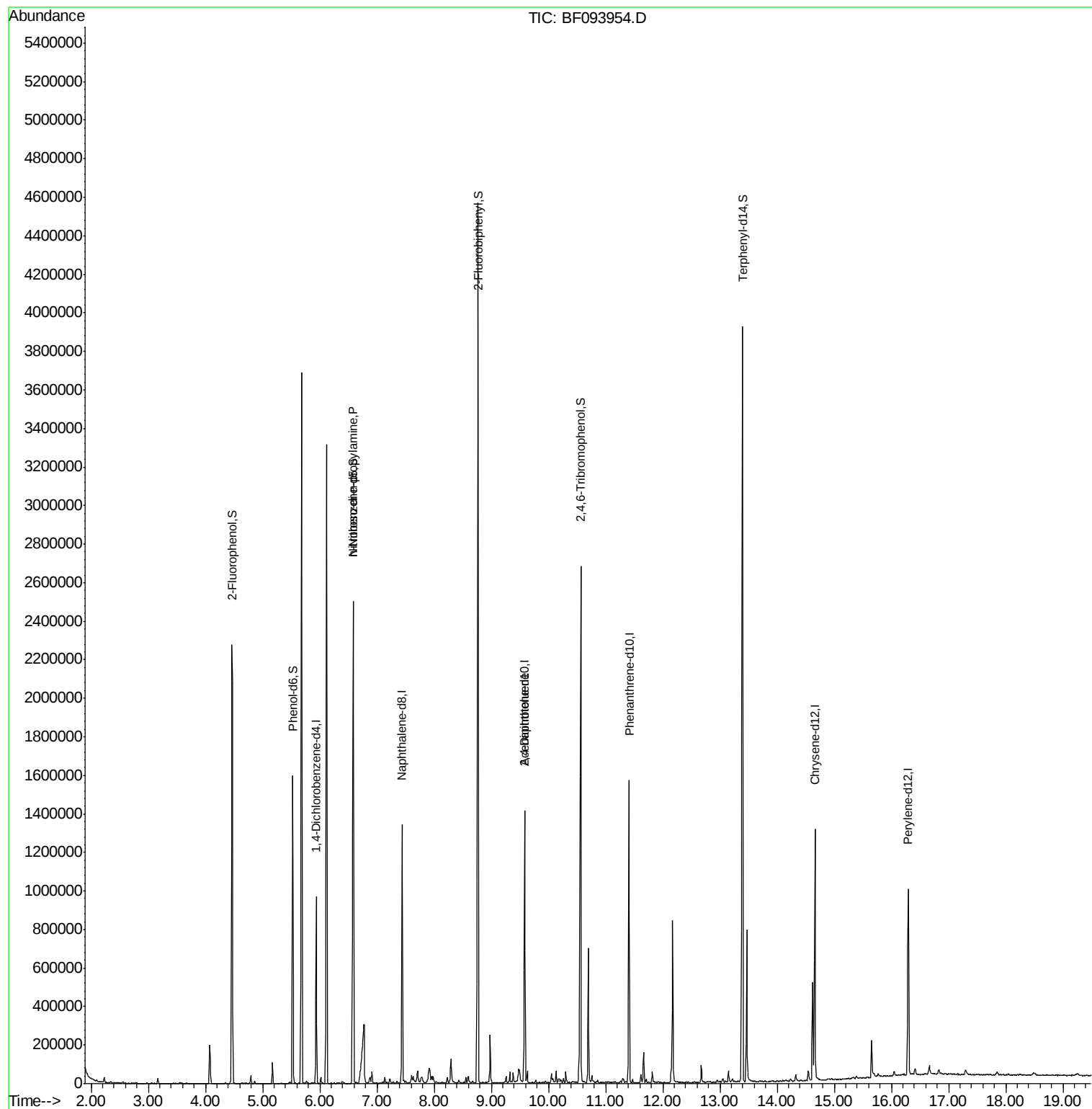
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.94  | 152  | 168952   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.44  | 136  | 697958   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.59  | 164  | 327669   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.41 | 188  | 595833   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.66 | 240  | 513248   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 16.29 | 264  | 408795   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.46  | 112  | 682621   | 68.24  | ng    | -0.01    |
| 7) Phenol-d6                   | 5.53  | 99   | 551378   | 44.56  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.59  | 82   | 1093988  | 89.45  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 398163   | 153.77 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.77  | 172  | 1942025  | 90.40  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.40 | 244  | 1697050  | 74.11  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.59  | 70   | 145710   | 18.32  | ng    | # 79     |
| 56) 2,4-Dinitrotoluene         | 9.59  | 165  | 41469    | 6.18   | ng    | # 33     |

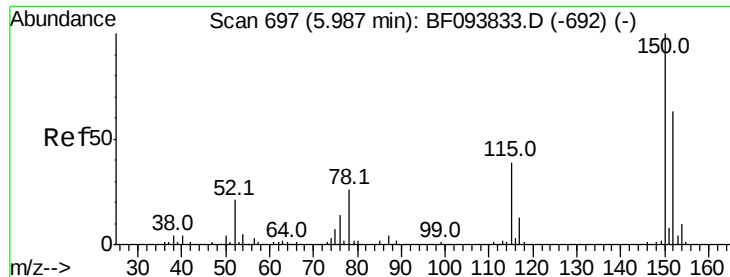
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

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BNA\_F  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

Instrument :

BNA\_F

ClientSampleId :

FRACTANK2

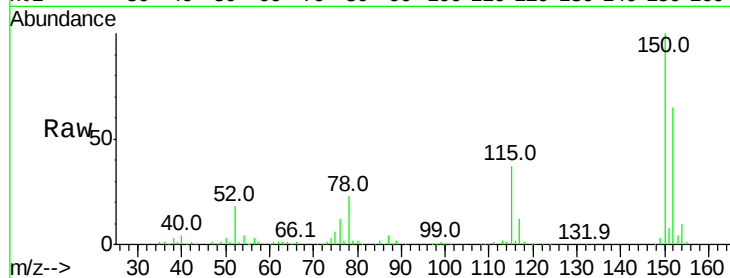
Tot Ion:152 Resp: 168952

Ion Ratio Lower Upper

152 100

150 153.6 126.2 189.2

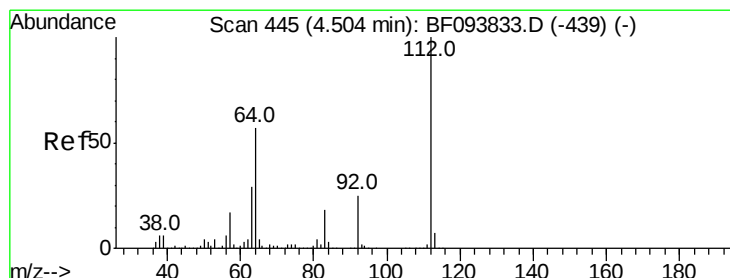
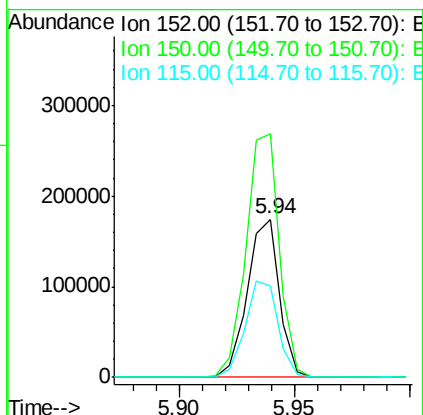
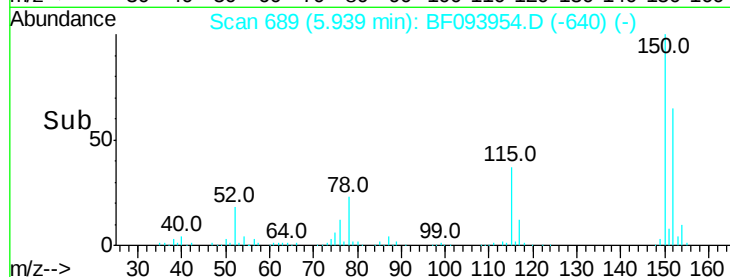
115 57.6 52.2 78.2



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: 68.24 ng

RT: 4.46 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

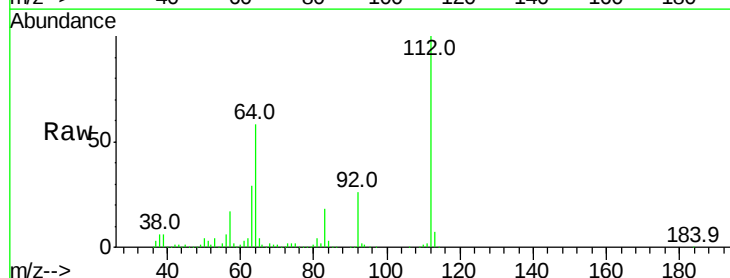
Tgt Ion:112 Resp: 682621

Ion Ratio Lower Upper

112 100

64 58.4 46.0 69.0

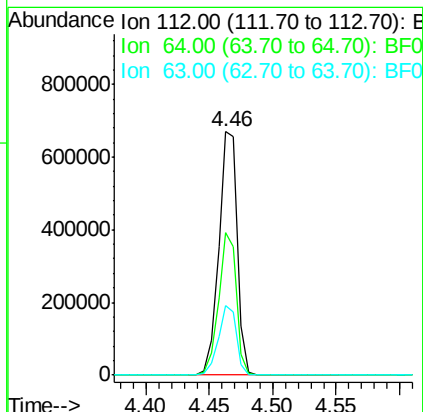
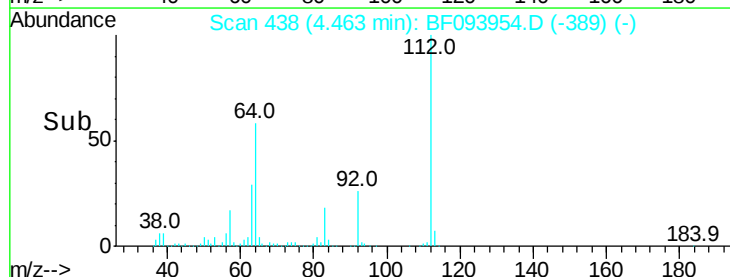
63 28.6 23.4 35.0

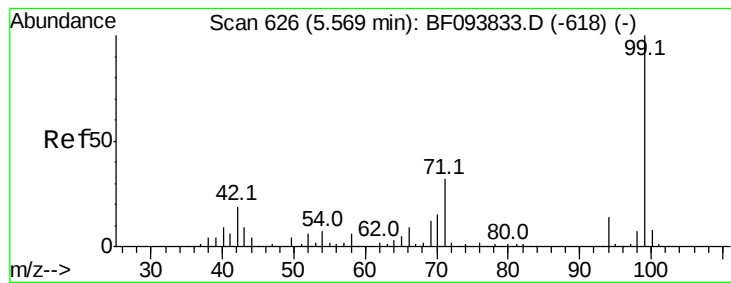


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.56 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

Instrument :

BNA\_F

ClientSampleId :

FRACTANK2

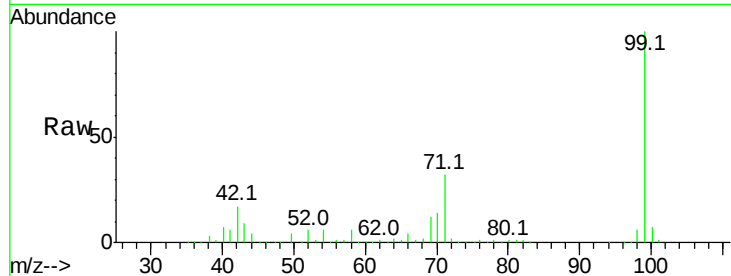
Tot Ion: 99 Resp: 551378

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

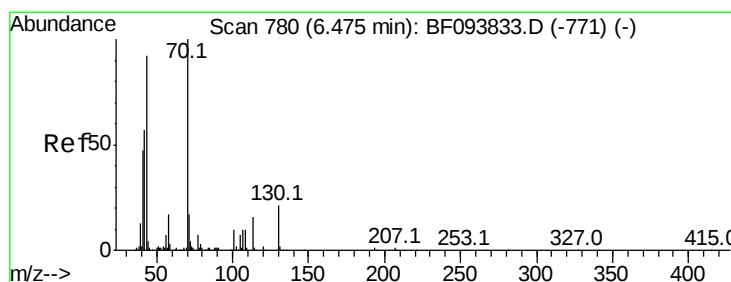
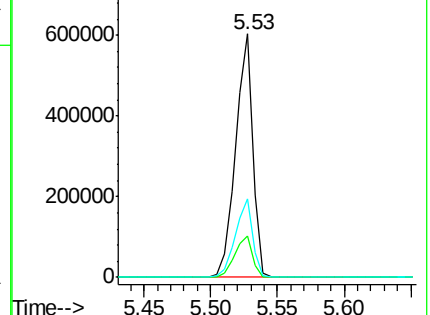
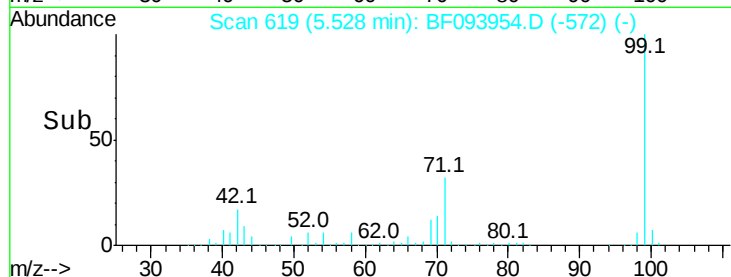
71 32.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.32 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

Tgt Ion: 70 Resp: 145710

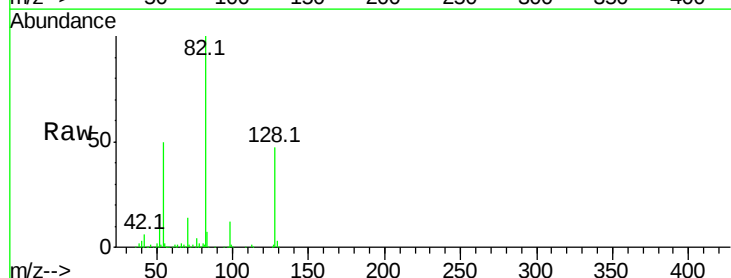
Ion Ratio Lower Upper

70 100

42 47.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

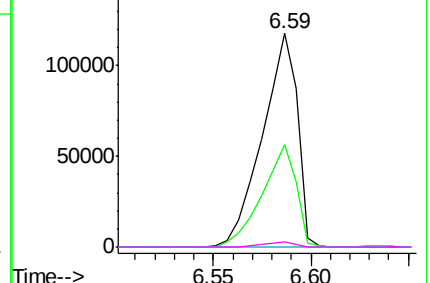
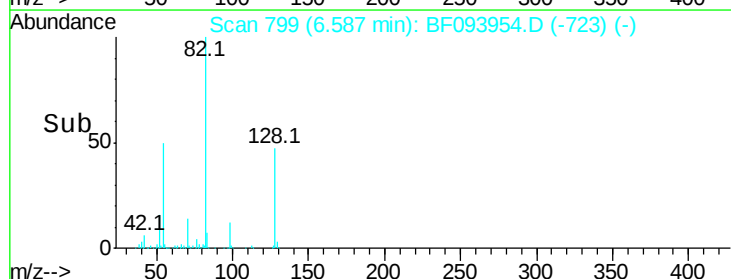


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

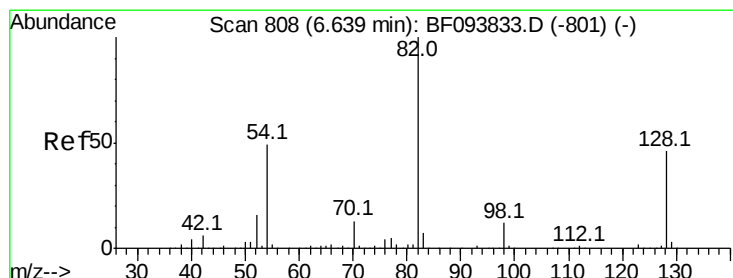
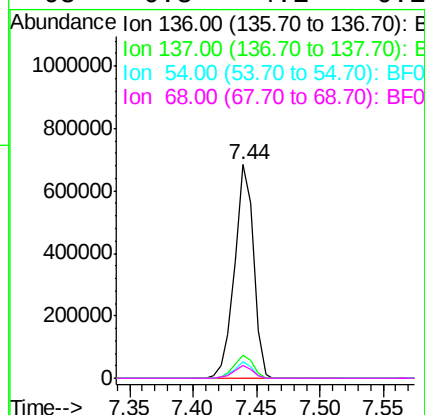
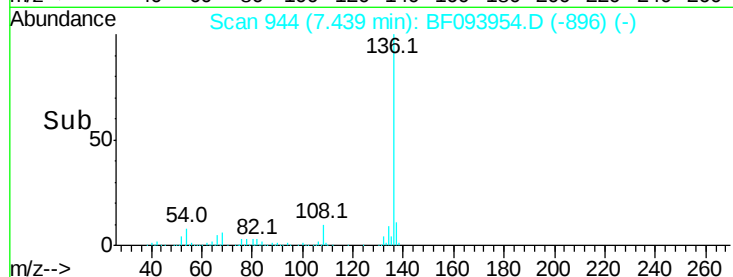
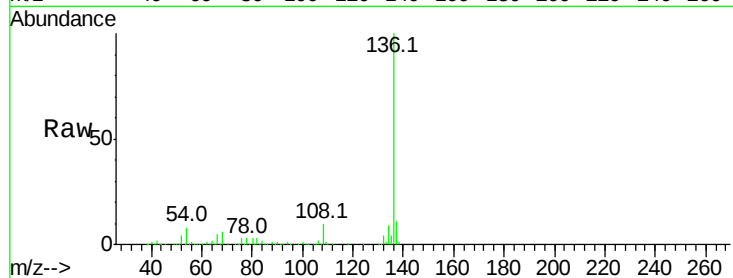




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.44 min Scan# 944  
Delta R.T. -0.02 min  
Lab File: BF093954.D  
Acq: 27 Mar 2017 20:55

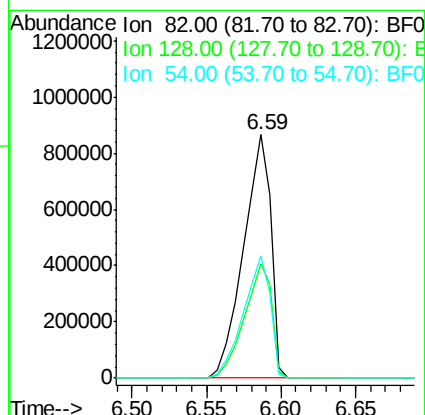
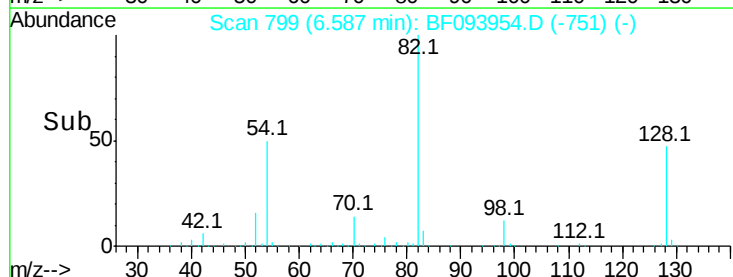
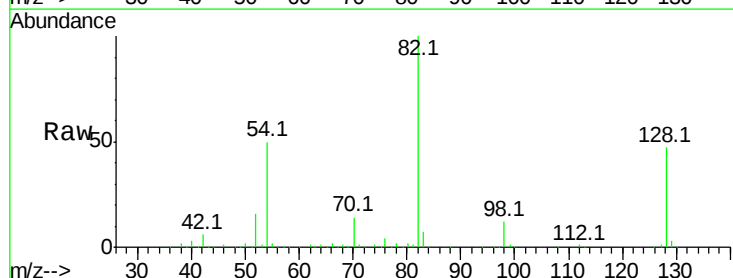
Instrument :  
BNA\_F  
ClientSampleId :  
FRACTANK2

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 697958 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 8.5 12.7     |
| 54 7.5      | 4.9 7.3#     |
| 68 6.3      | 4.1 6.1#     |



#23  
Nitrobenzene-d5  
Concen: 89.45 ng  
RT: 6.59 min Scan# 799  
Delta R.T. -0.02 min  
Lab File: BF093954.D  
Acq: 27 Mar 2017 20:55

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1093988 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 46.9    | 34.0 51.0     |
| 54 50.0     | 42.2 63.2     |

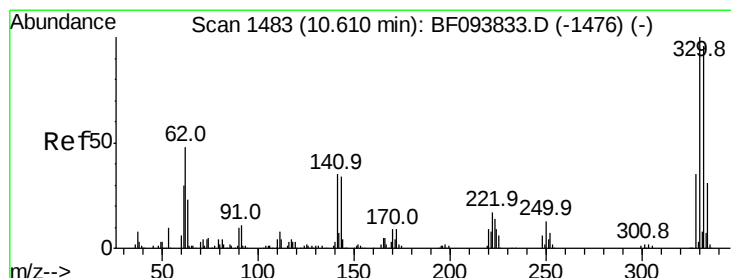
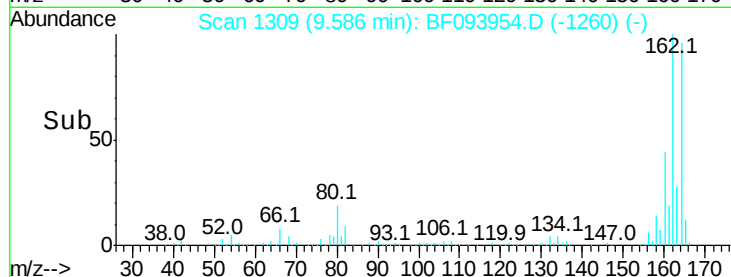
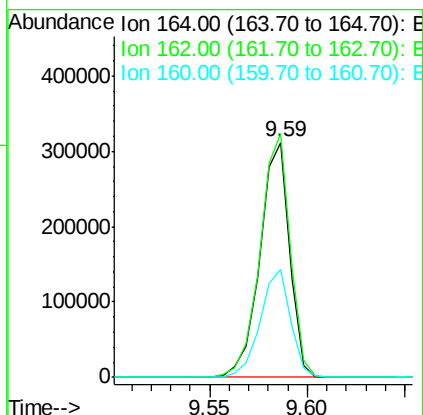
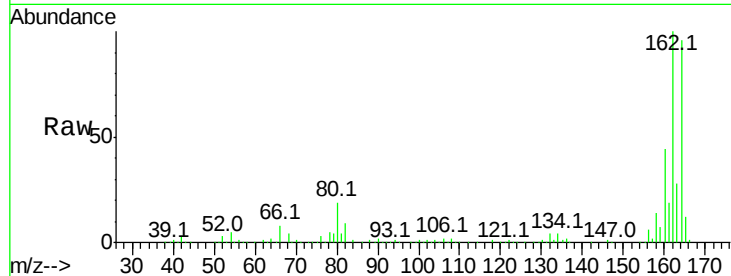




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.59 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF093954.D  
 Acq: 27 Mar 2017 20:55

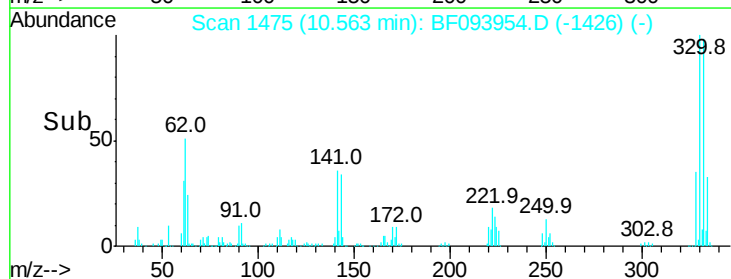
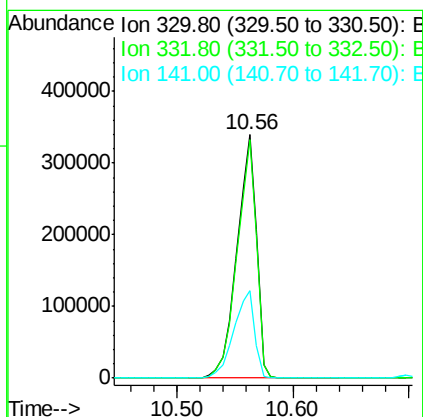
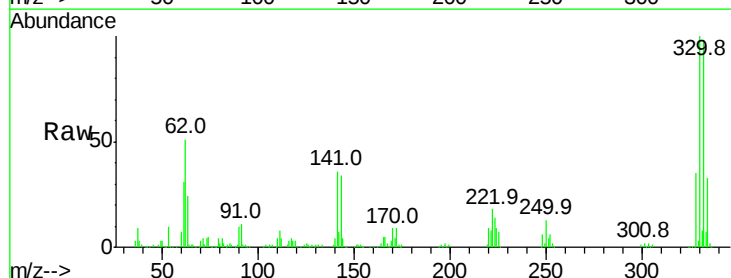
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANK2

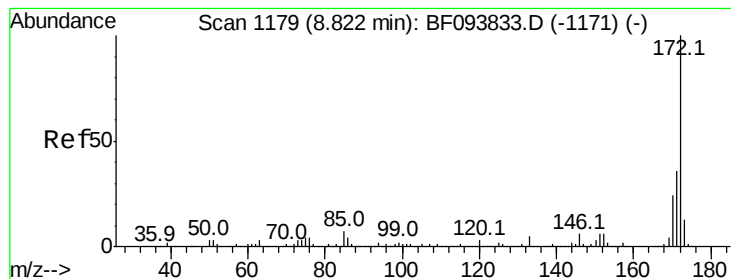
Tot Ion:164 Resp: 327669  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 82.6 123.8  
 160 45.9 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 153.77 ng  
 RT: 10.56 min Scan# 1475  
 Delta R.T. -0.01 min  
 Lab File: BF093954.D  
 Acq: 27 Mar 2017 20:55

Tgt Ion:330 Resp: 398163  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 38.1 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 90.40 ng

RT: 8.77 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

Instrument :

BNA\_F

ClientSampleId :

FRACTANK2

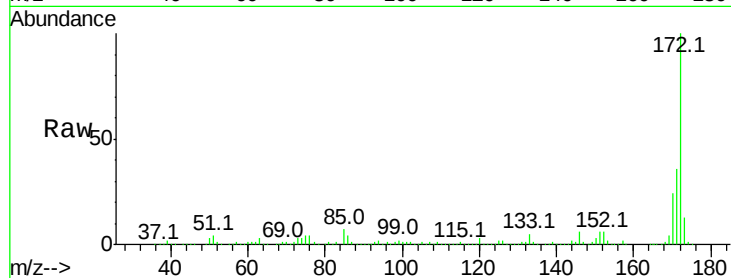
Tot Ion:172 Resp: 1942025

Ion Ratio Lower Upper

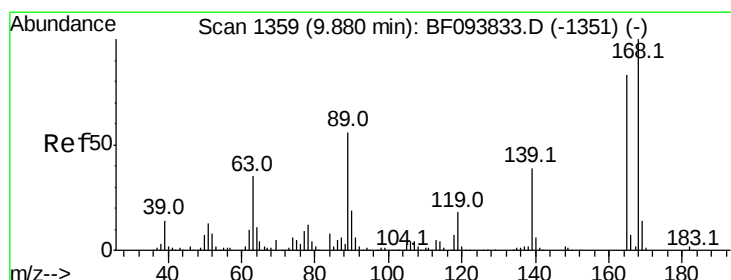
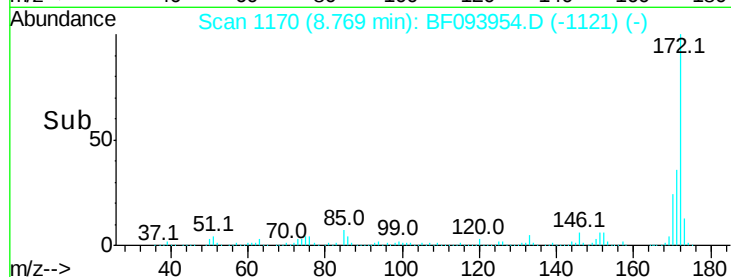
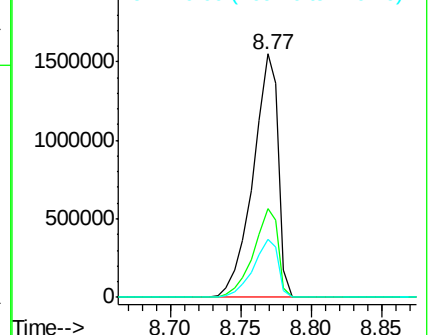
172 100

171 36.5 29.6 44.4

170 23.9 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



#56

2,4-Dinitrotoluene

Concen: 6.18 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.26 min

Lab File: BF093954.D

Acq: 27 Mar 2017 20:55

Tgt Ion:165 Resp: 41469

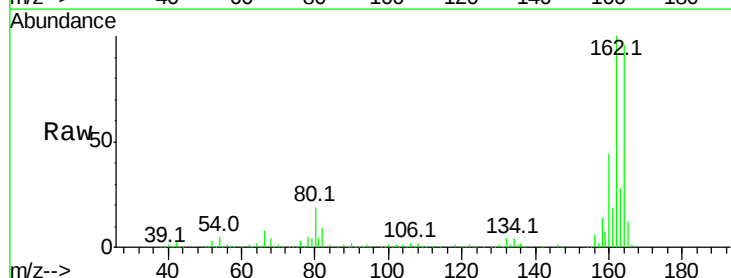
Ion Ratio Lower Upper

165 100

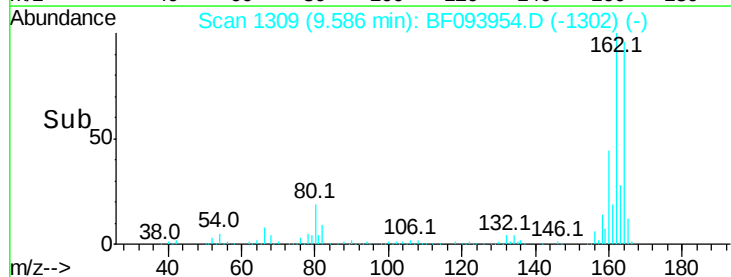
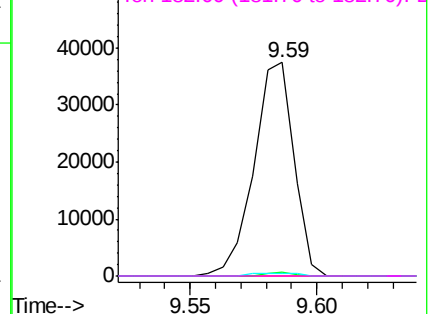
63 1.6 25.4 38.0#

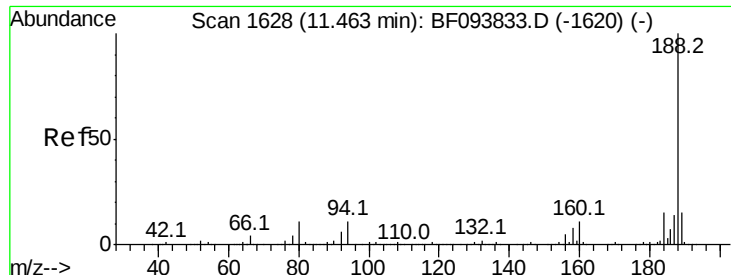
89 1.1 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

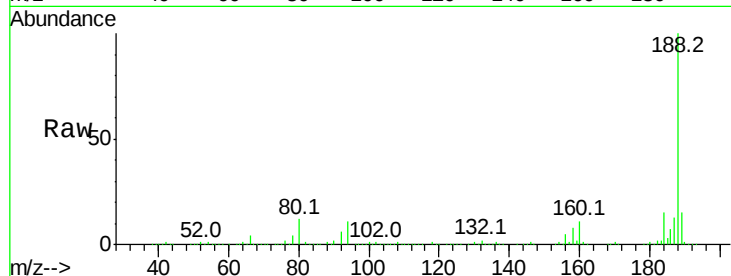




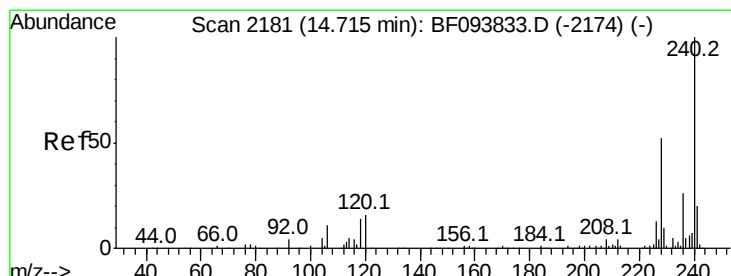
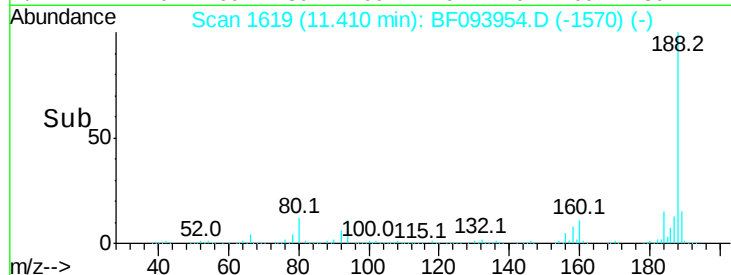
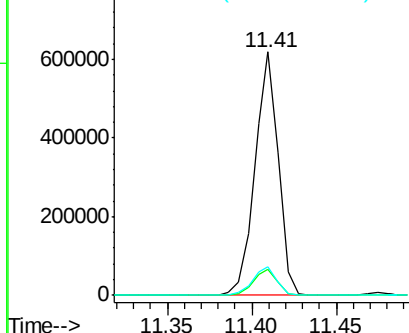
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 1619  
Delta R.T. -0.01 min  
Lab File: BF093954.D  
Acq: 27 Mar 2017 20:55

Instrument :  
BNA\_F  
ClientSampleId :  
FRACTANK2

Tot Ion:188 Resp: 595833  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.4 14.2  
80 11.7 10.2 15.2

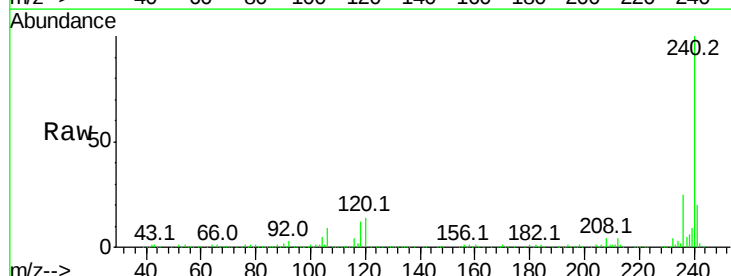


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

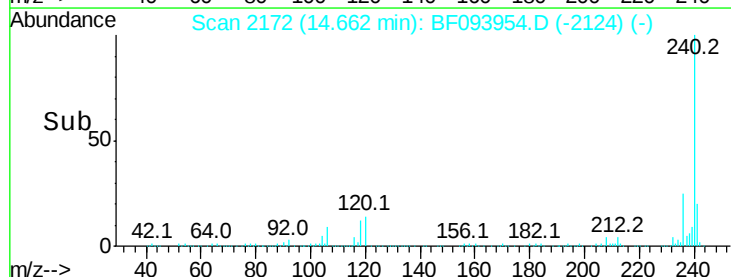
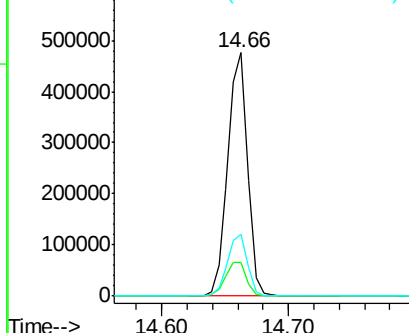


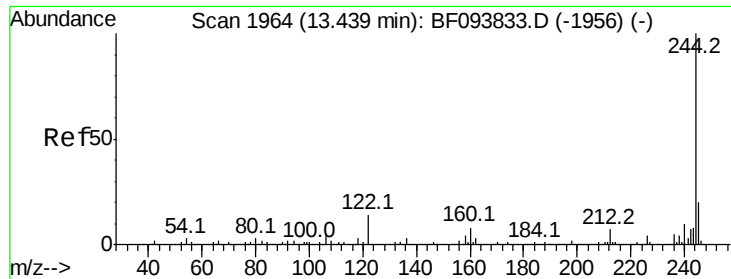
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.66 min Scan# 2172  
Delta R.T. -0.02 min  
Lab File: BF093954.D  
Acq: 27 Mar 2017 20:55

Tgt Ion:240 Resp: 513248  
Ion Ratio Lower Upper  
240 100  
120 14.0 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

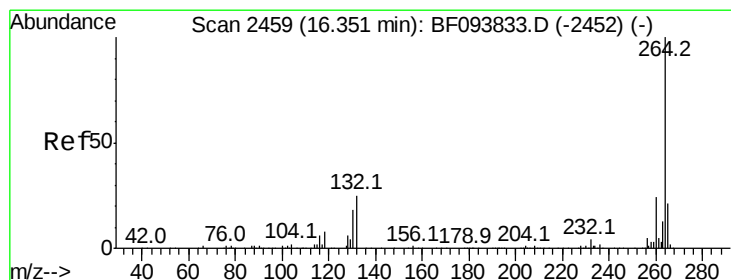
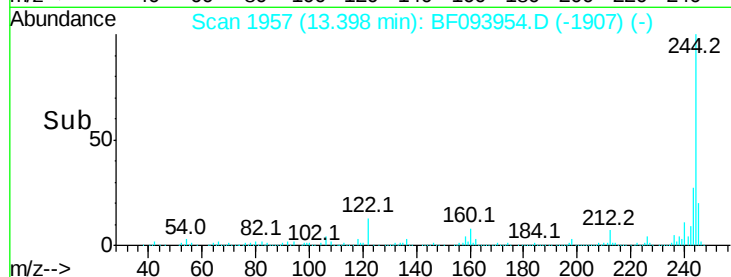
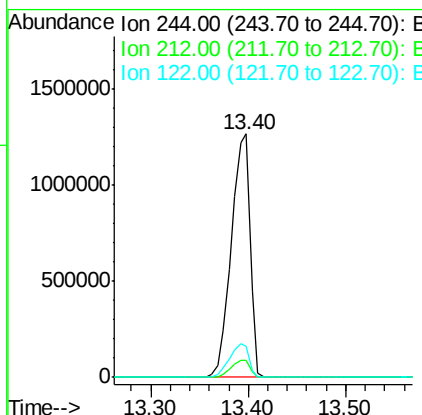
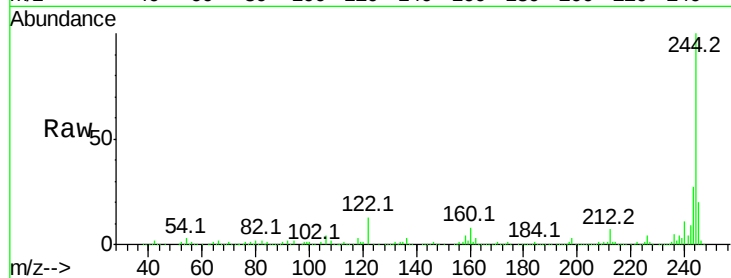




#78  
 Terphenyl-d14  
 Concen: 74.11 ng  
 RT: 13.40 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF093954.D  
 Acq: 27 Mar 2017 20:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANK2

Tot Ion:244 Resp: 1697050  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 12.8 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.29 min Scan# 2449  
 Delta R.T. -0.02 min  
 Lab File: BF093954.D  
 Acq: 27 Mar 2017 20:55

Tgt Ion:264 Resp: 408795  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 21.9 17.2 25.8

