

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\  
 Data File : BF093857.D  
 Acq On : 23 Mar 2017 3:08  
 Operator : SJ/MA  
 Sample : I2337-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-V7-BASE

Quant Time: Mar 23 03:48:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

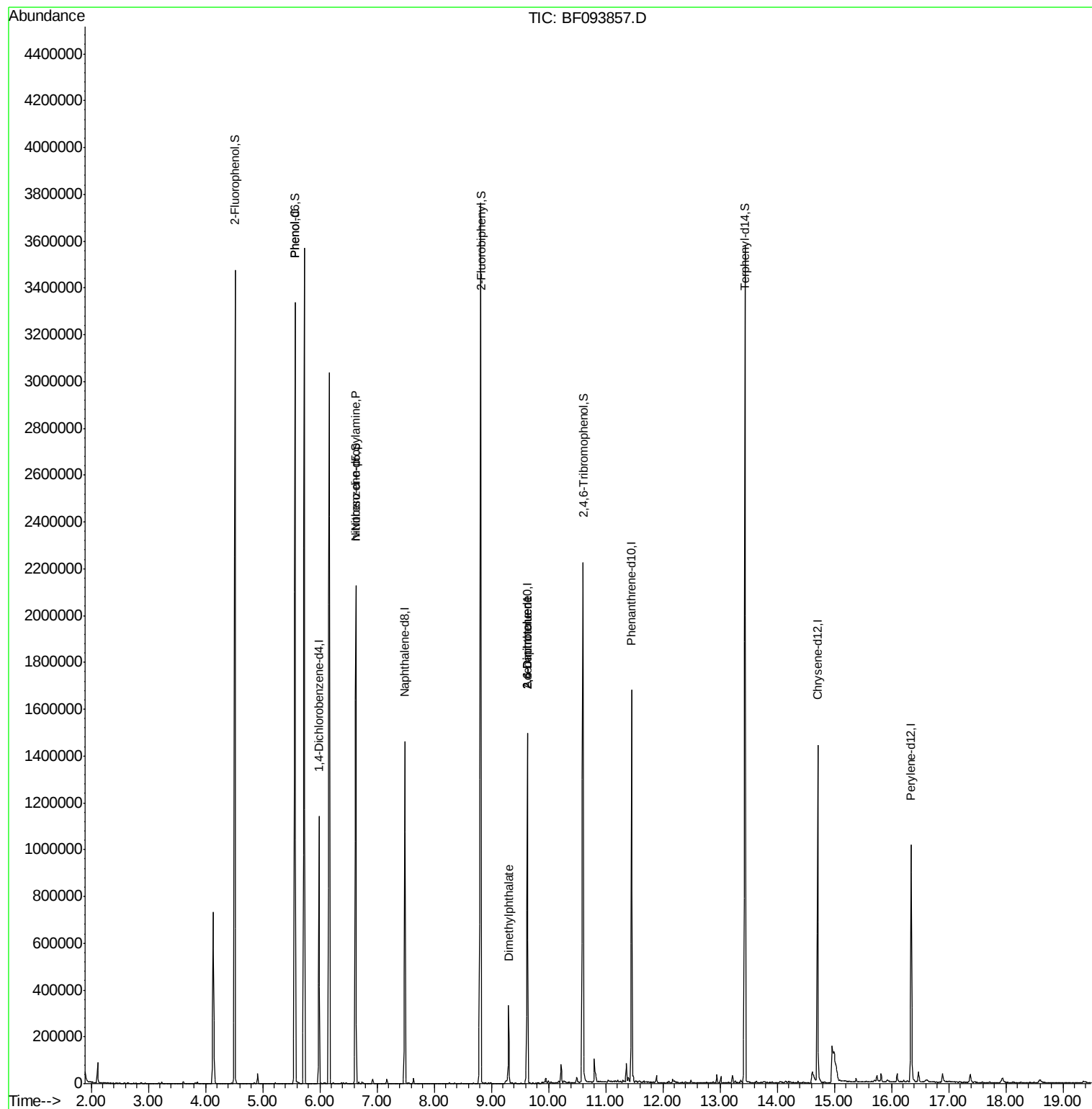
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.99  | 152  | 194388   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.49  | 136  | 785693   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10           | 9.63  | 164  | 368159   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.46 | 188  | 664547   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12               | 14.71 | 240  | 549870   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 16.34 | 264  | 420491   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.52  | 112  | 1168576  | 101.54 | ng    | 0.01      |
| 7) Phenol-d6                   | 5.57  | 99   | 1479516  | 103.92 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 6.63  | 82   | 922188   | 66.98  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 312758   | 107.50 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 8.82  | 172  | 1624888  | 67.32  | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.44 | 244  | 1332616  | 54.32  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 5.57  | 94   | 58843    | 3.63   | ng    | Qvalue 91 |
| 19) n-Nitroso-di-n-propylamine | 6.63  | 70   | 122077   | 13.34  | ng    | # 76      |
| 49) Dimethylphthalate          | 9.30  | 163  | 141643   | 5.41   | ng    | 99        |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 47352    | 7.89   | ng    | # 33      |
| 56) 2,4-Dinitrotoluene         | 9.63  | 165  | 47354    | 6.28   | ng    | # 33      |

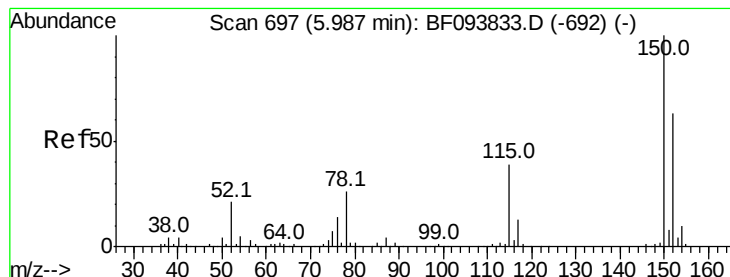
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Instrument :

BNA\_F

ClientSampleId :

E2-V7-BASE

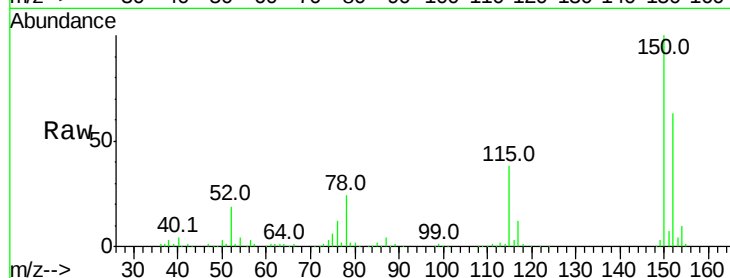
Tot Ion:152 Resp: 194388

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

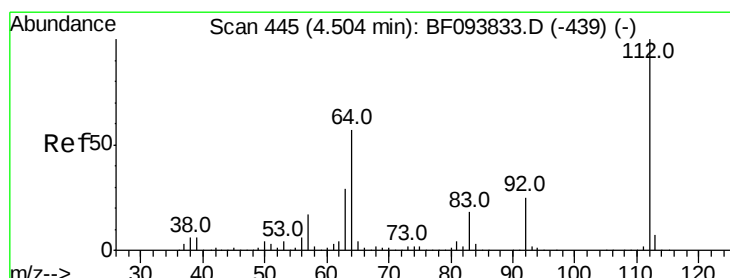
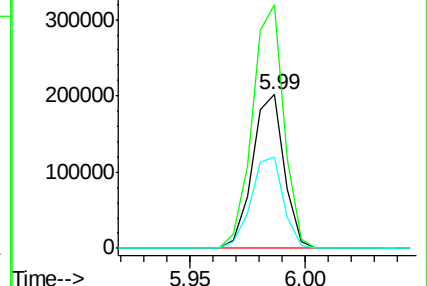
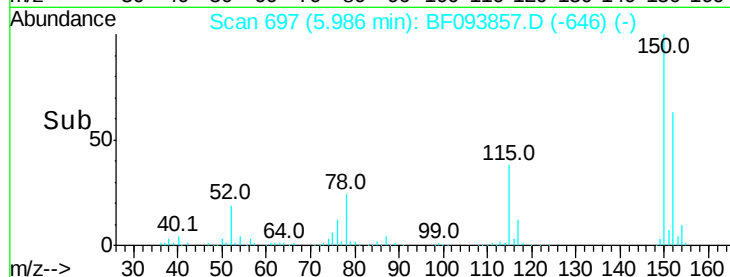
115 59.5 52.2 78.2



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: 101.54 ng

RT: 4.52 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

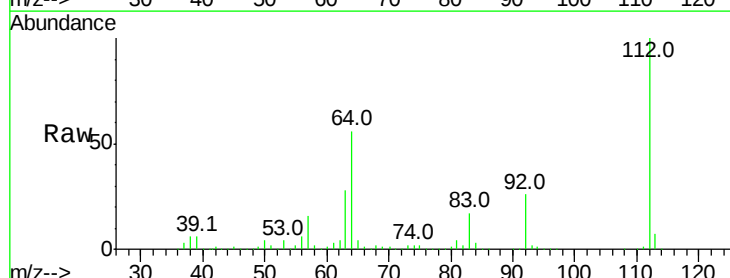
Tgt Ion:112 Resp: 1168576

Ion Ratio Lower Upper

112 100

64 55.8 46.0 69.0

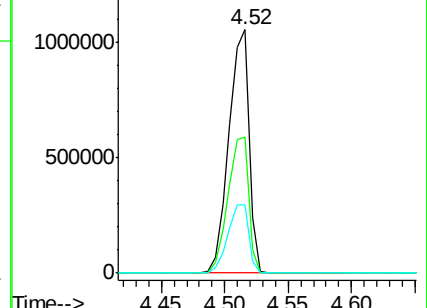
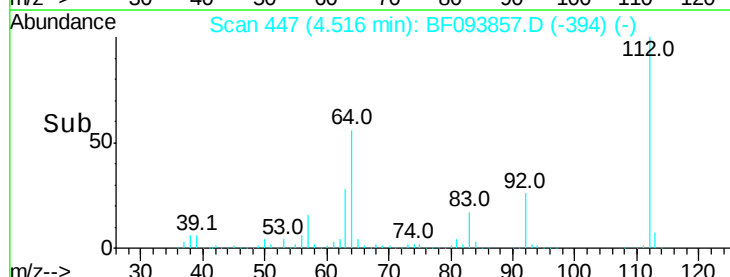
63 28.2 23.4 35.0



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: 103.92 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Instrument :

BNA\_F

ClientSampleId :

E2-V7-BASE

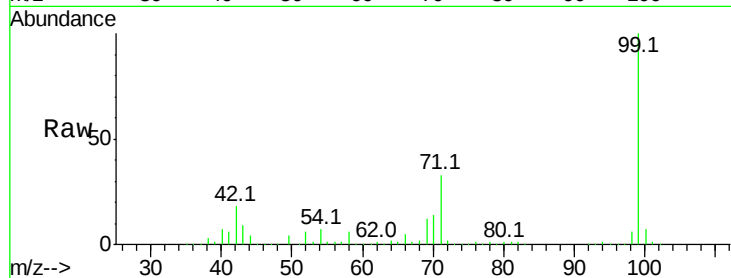
Tot Ion: 99 Resp: 1479516

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 13.5  | 20.3  |
| 71  | 32.6  | 24.5  | 36.7  |

99 100

42 17.9 13.5 20.3

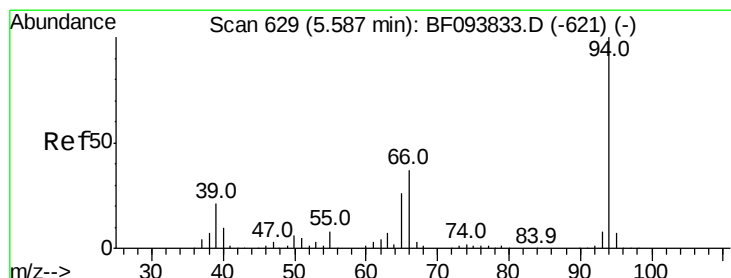
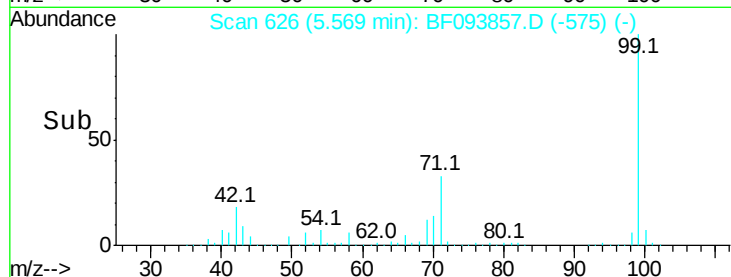
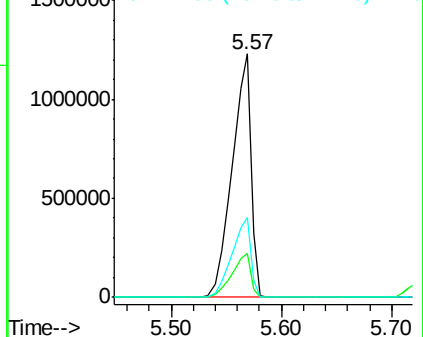
71 32.6 24.5 36.7



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: 3.63 ng

RT: 5.57 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

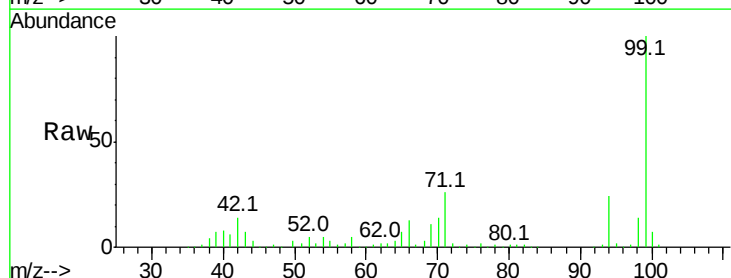
Tgt Ion: 94 Resp: 58843

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.4  | 9.9   | 49.9  |
| 66  | 52.9  | 23.1  | 63.1  |

94 100

65 30.4 9.9 49.9

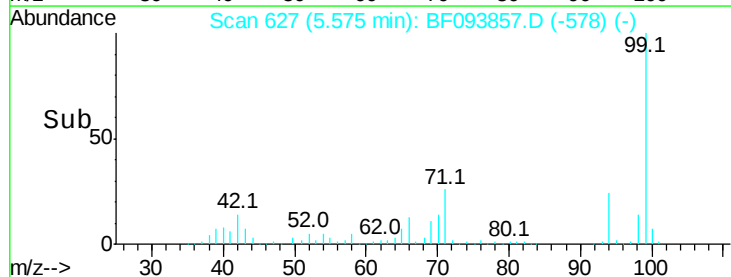
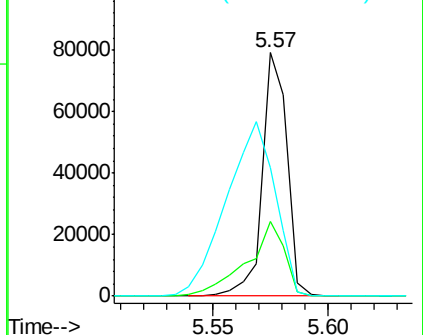
66 52.9 23.1 63.1



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





#19

n-Nitroso-di-n-propylamine

Concen: 13.34 ng

RT: 6.63 min Scan# 806

Delta R.T. 0.15 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Instrument :

BNA\_F

ClientSampleId :

E2-V7-BASE

Tot Ion: 70 Resp: 122077

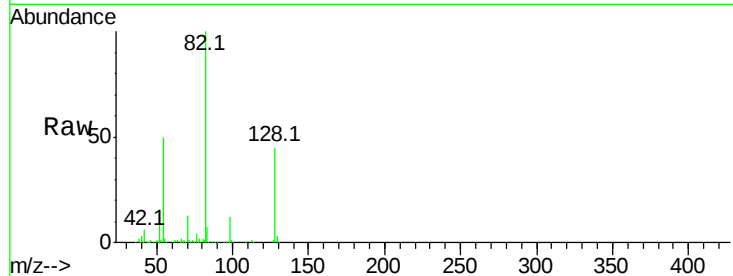
Ion Ratio Lower Upper

70 100

42 45.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

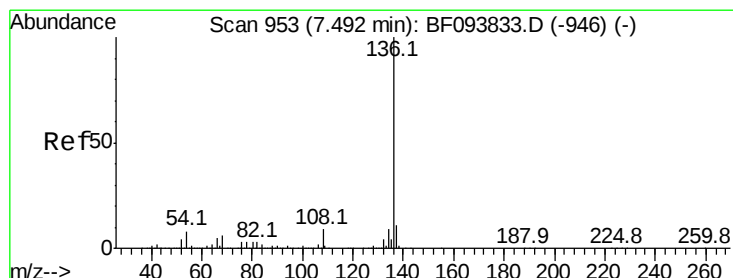
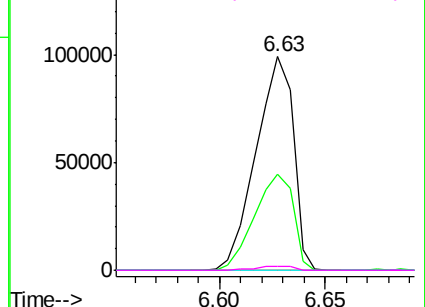
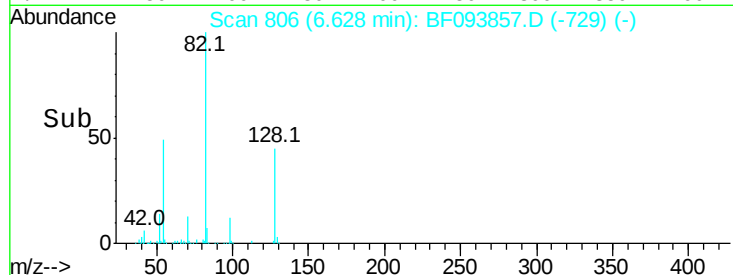


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Tgt Ion: 136 Resp: 785693

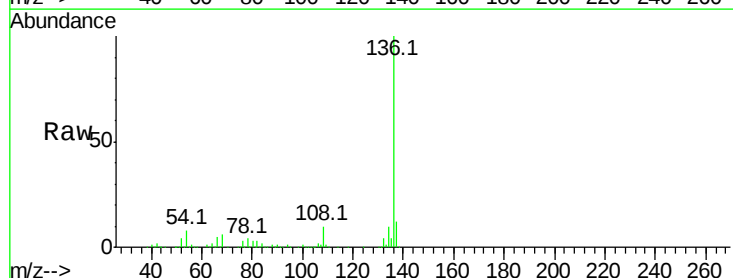
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 7.6 4.9 7.3#

68 6.2 4.1 6.1#

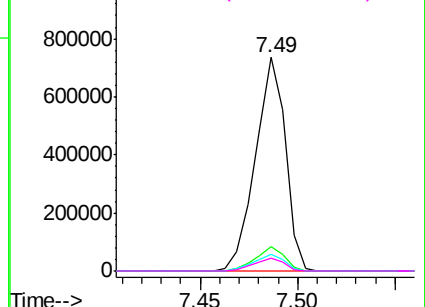
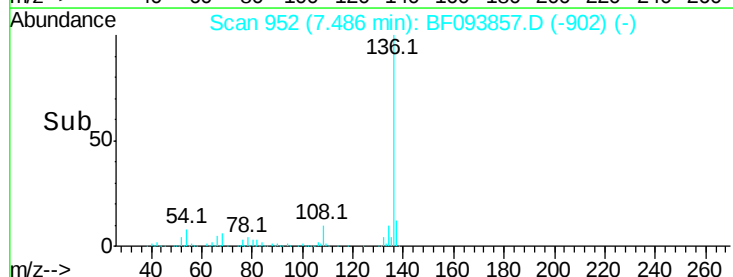


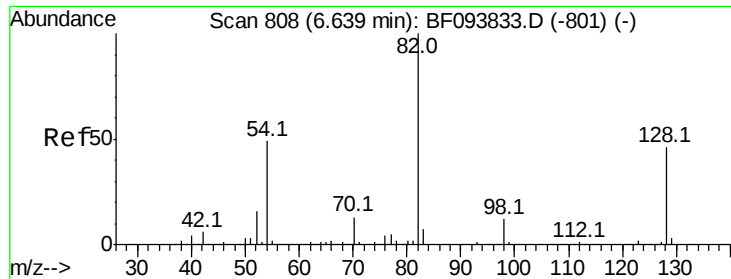
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

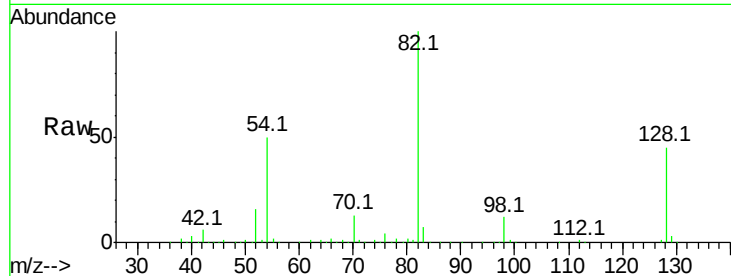




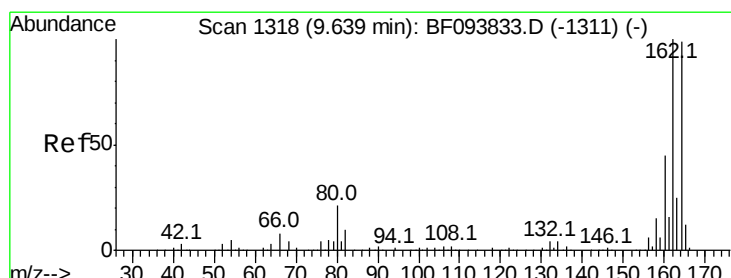
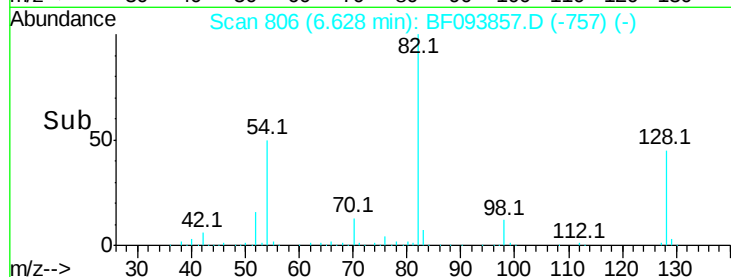
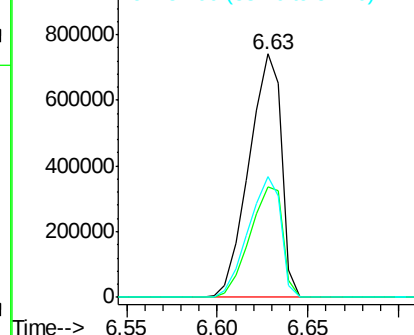
#23  
 Nitrobenzene-d5  
 Concen: 66.98 ng  
 RT: 6.63 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-V7-BASE

Tot Ion: 82 Resp: 922188  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 34.0 51.0  
 54 49.6 42.2 63.2

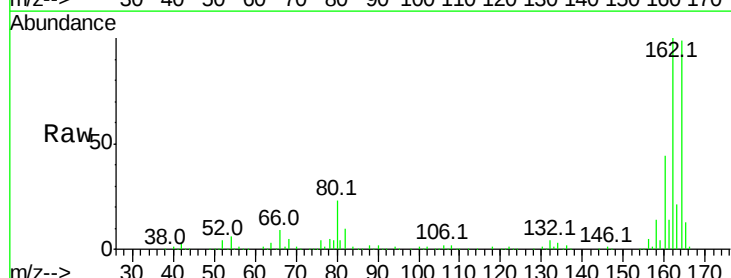


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

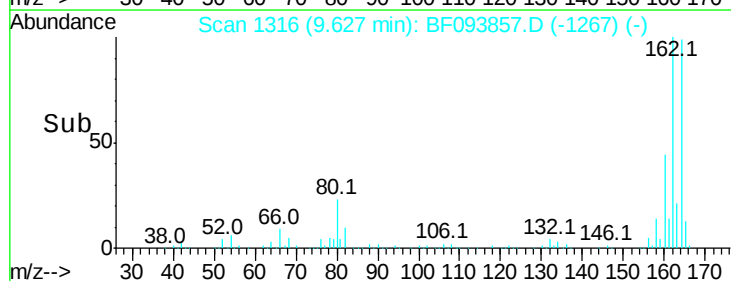
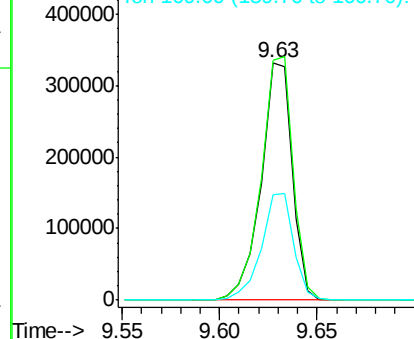


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.63 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

Tgt Ion:164 Resp: 368159  
 Ion Ratio Lower Upper  
 164 100  
 162 100.8 82.6 123.8  
 160 44.2 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

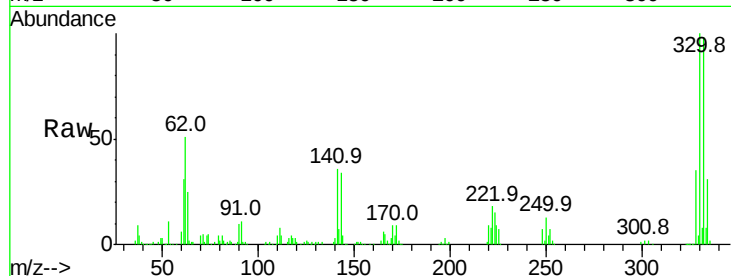




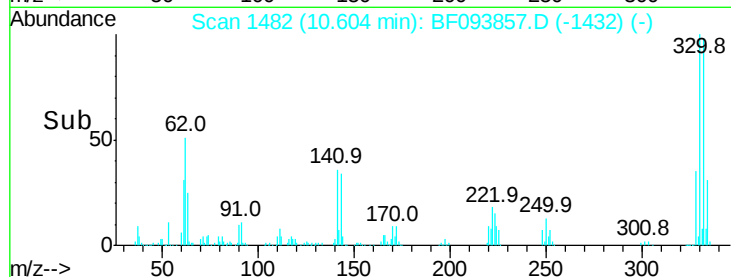
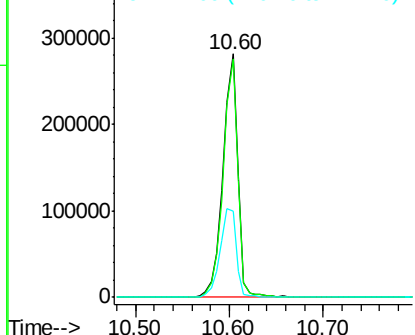
#41  
 2,4,6-Tribromophenol  
 Concen: 107.50 ng  
 RT: 10.60 min Scan# 1482  
 Delta R.T. -0.01 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-V7-BASE

Tot Ion:330 Resp: 312758  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.6 115.0  
 141 40.2 31.4 47.2

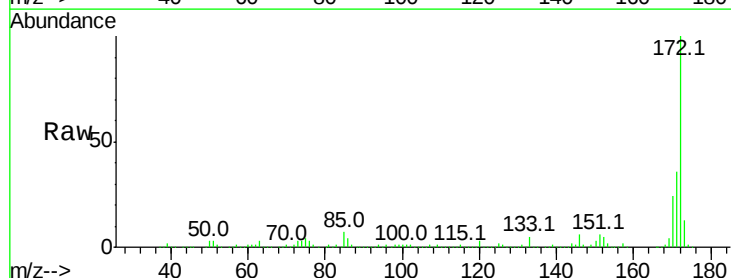


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

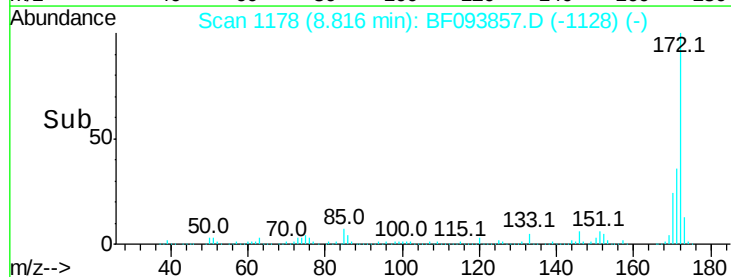
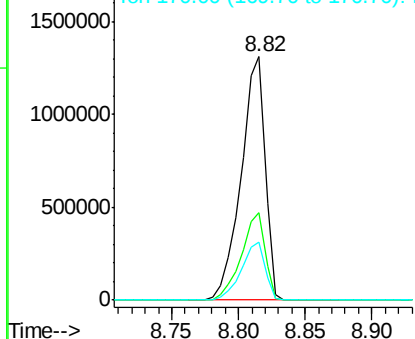


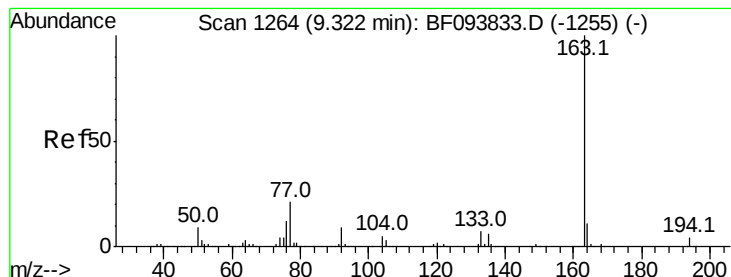
#44  
 2-Fluorobiphenyl  
 Concen: 67.32 ng  
 RT: 8.82 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

Tgt Ion:172 Resp: 1624888  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.6 44.4  
 170 23.7 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





#49

Dimethylphthalate

Concen: 5.41 ng

RT: 9.30 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Instrument :

BNA\_F

ClientSampleId :

E2-V7-BASE

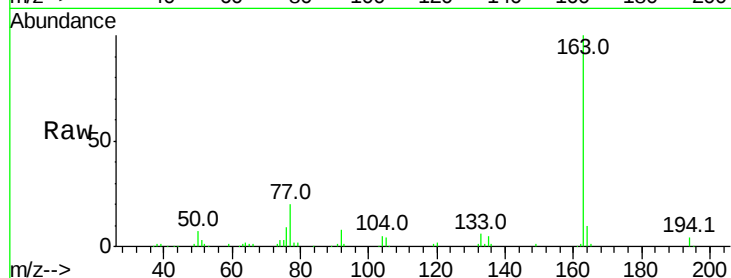
Tot Ion:163 Resp: 141643

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

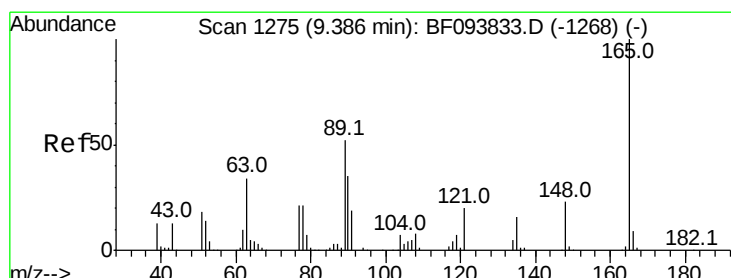
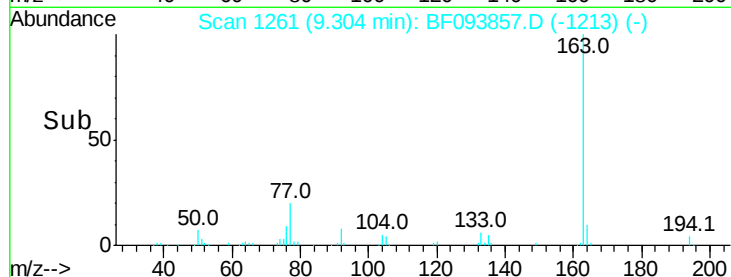
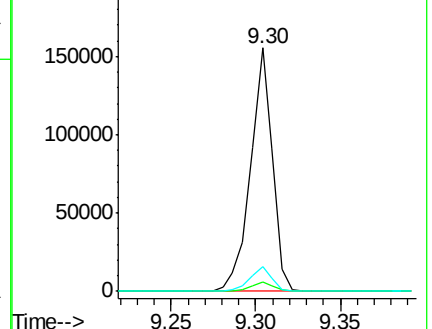
164 10.2 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.63 min Scan# 1316

Delta R.T. 0.24 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

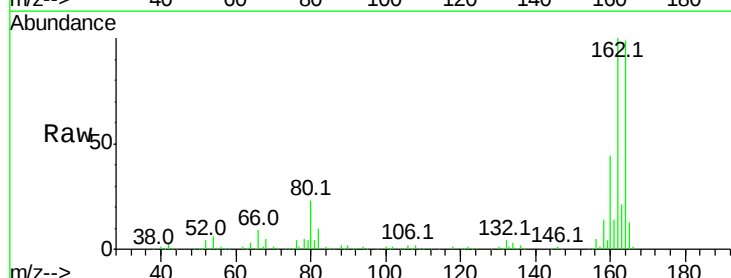
Tgt Ion:165 Resp: 47352

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

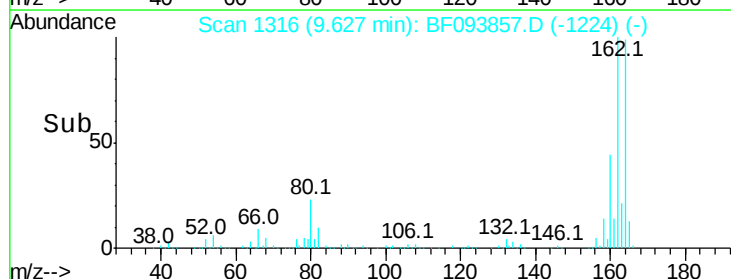
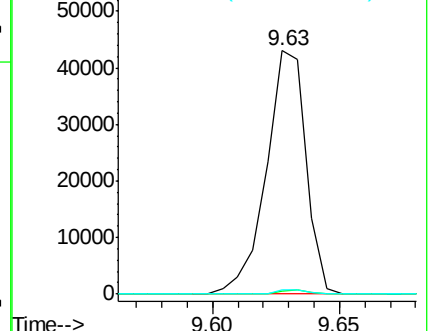
89 1.5 37.1 55.7#



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

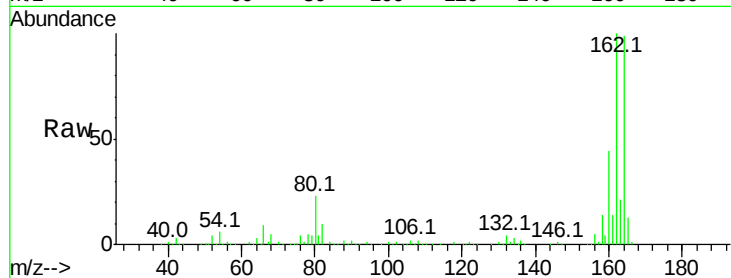




#56  
 2,4-Dinitrotoluene  
 Concen: 6.28 ng  
 RT: 9.63 min Scan# 1316  
 Delta R.T. -0.25 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-V7-BASE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 25.4  | 38.0# |
| 89      | 1.5   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

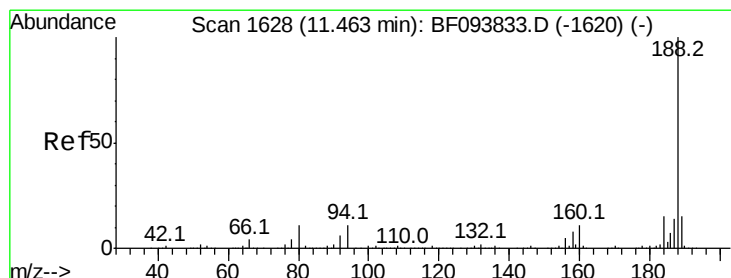
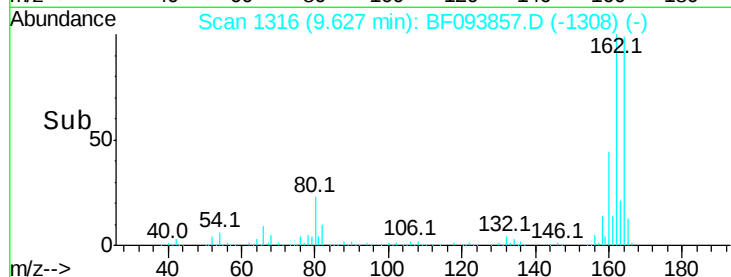
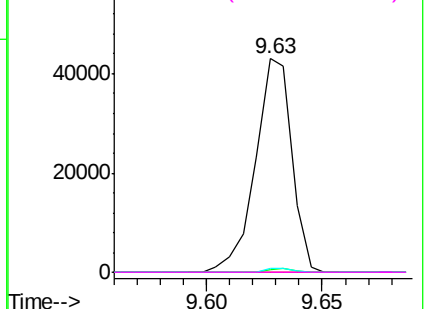


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

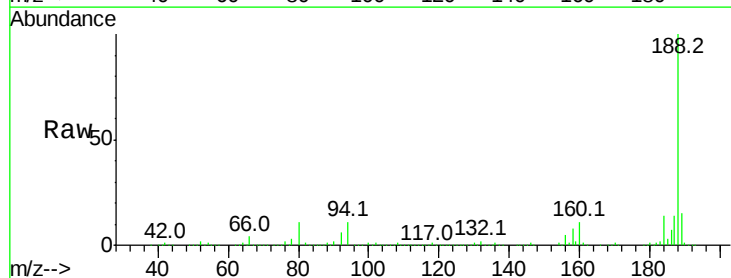
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.46 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: BF093857.D  
 Acq: 23 Mar 2017 3:08

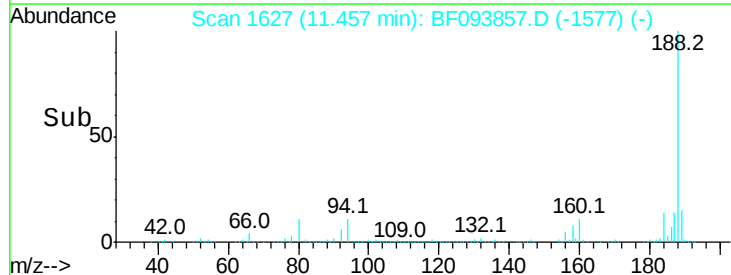
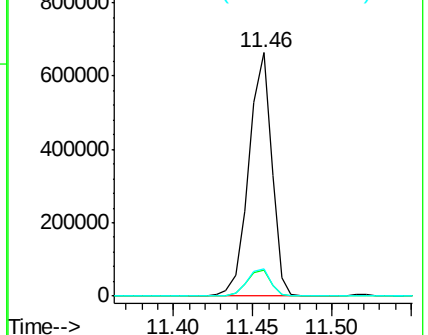
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.6  | 9.4   | 14.2  |
| 80      | 11.2  | 10.2  | 15.2  |

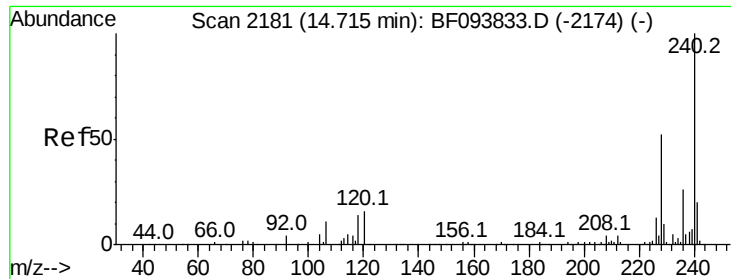


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

Instrument :

BNA\_F

ClientSampleId :

E2-V7-BASE

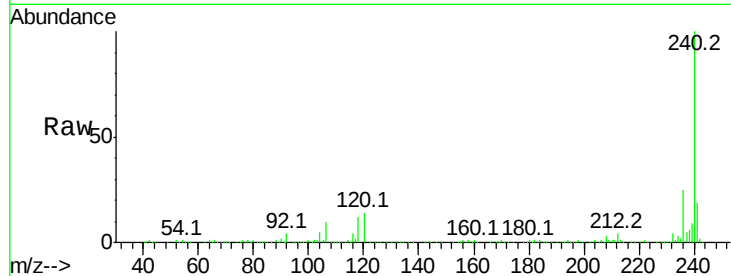
Tot Ion:240 Resp: 549870

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

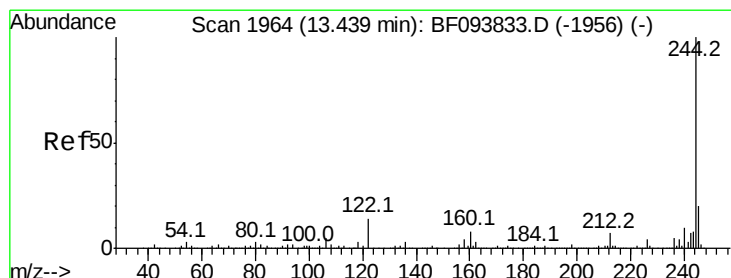
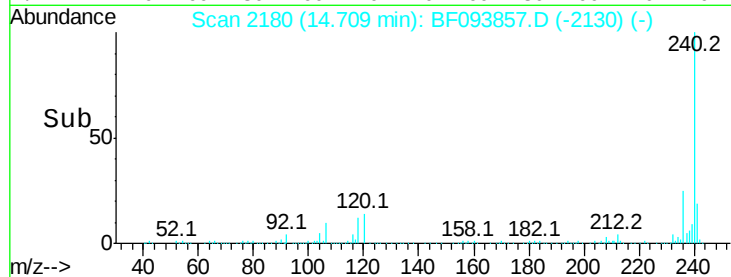
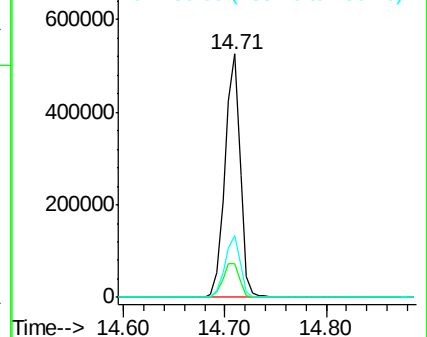
236 25.2 20.5 30.7



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: 54.32 ng

RT: 13.44 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BF093857.D

Acq: 23 Mar 2017 3:08

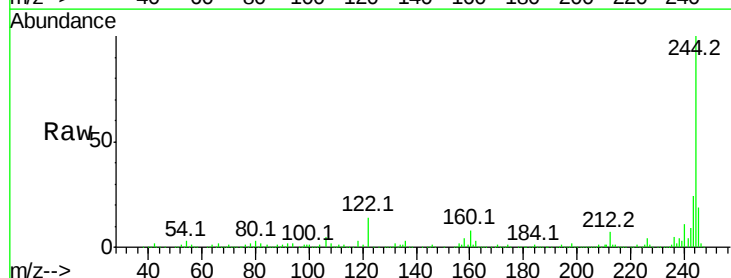
Tgt Ion:244 Resp: 1332616

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

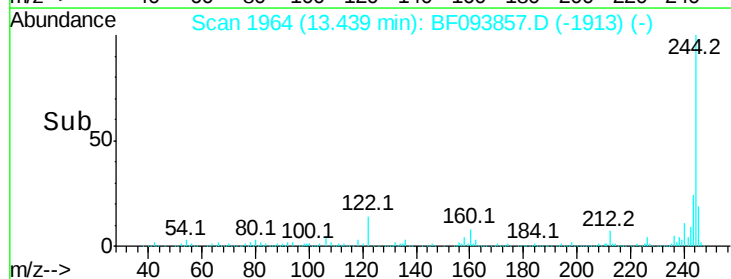
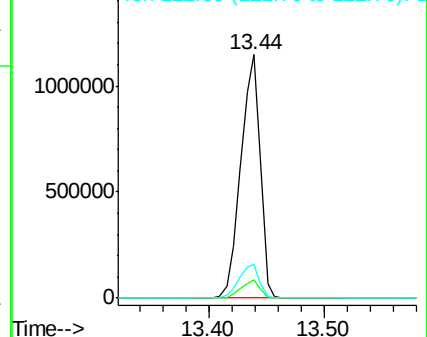
122 13.6 10.3 15.5

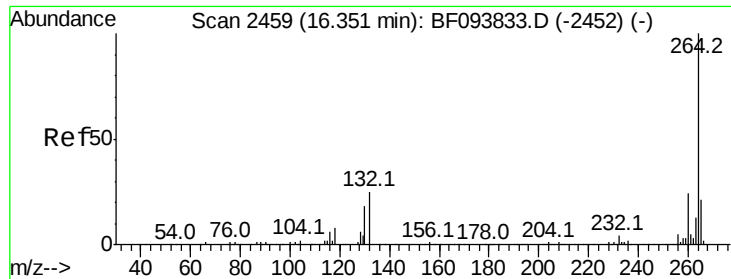


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

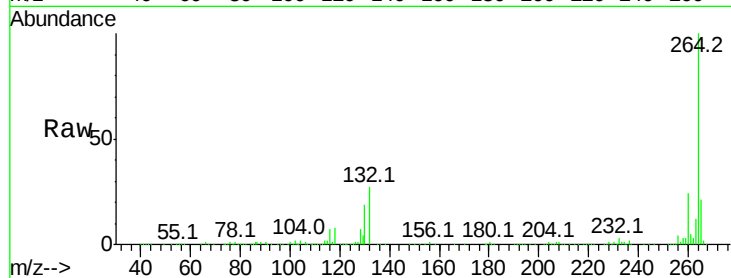




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.34 min Scan# 2458  
Delta R.T. -0.01 min  
Lab File: BF093857.D  
Acq: 23 Mar 2017 3:08

Instrument :  
BNA\_F  
ClientSampleId :  
E2-V7-BASE

Tot Ion: 264 Resp: 420491  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.5 29.3  
265 21.5 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

