

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\  
 Data File : BF093870.D  
 Acq On : 23 Mar 2017 9:03  
 Operator : SJ/MA  
 Sample : I2350-11  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11937-VNJ-205-COMP

Quant Time: Mar 23 10:57:06 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

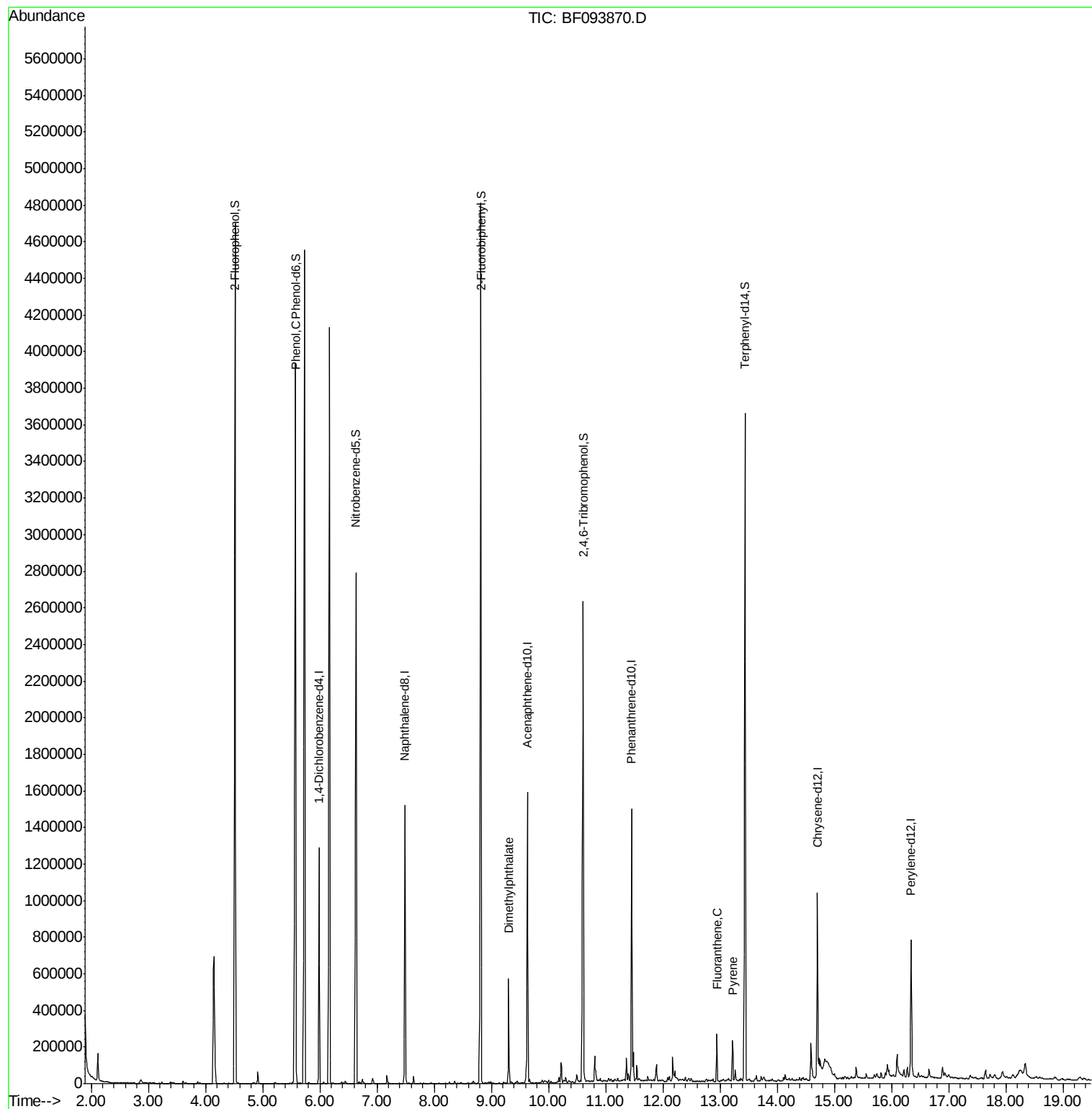
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.99  | 152  | 197167   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.49  | 136  | 785009   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.63  | 164  | 343430   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.46 | 188  | 567328   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.70 | 240  | 364179   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 16.34 | 264  | 309711   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.52  | 112  | 1624789  | 139.19 | ng    | 0.02     |
| 7) Phenol-d6                | 5.57  | 99   | 2096143  | 145.15 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.63  | 82   | 1294348  | 94.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 387387   | 142.75 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.82  | 172  | 2004551  | 89.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.44 | 244  | 1342732  | 82.64  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 5.59  | 94   | 92007    | 5.60   | ng    | 89       |
| 49) Dimethylphthalate       | 9.30  | 163  | 239746   | 9.82   | ng    | 99       |
| 74) Fluoranthene            | 12.94 | 202  | 106193   | 3.29   | ng    | 98       |
| 77) Pyrene                  | 13.22 | 202  | 84063    | 3.18   | ng    | 93       |

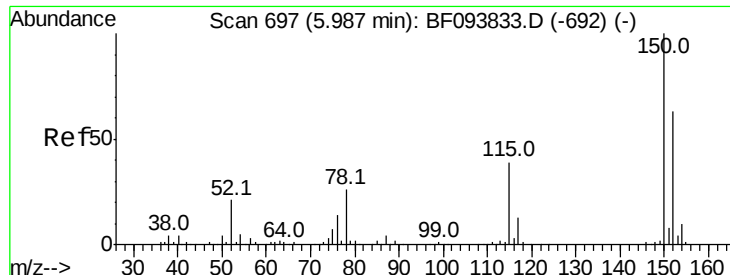
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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72-11937-VNJ-205-COMP

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QLast Update : Thu Mar 23 02:02:22 2017  
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: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

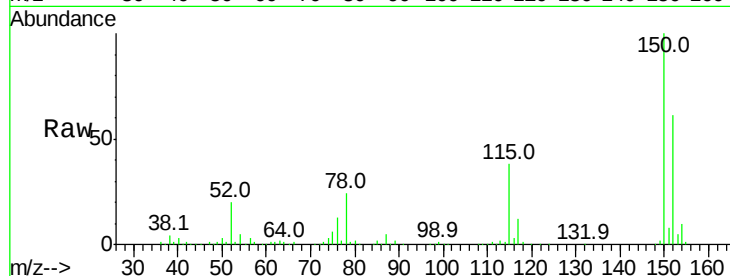
Tot Ion:152 Resp: 197167

Ion Ratio Lower Upper

152 100

150 162.8 126.2 189.2

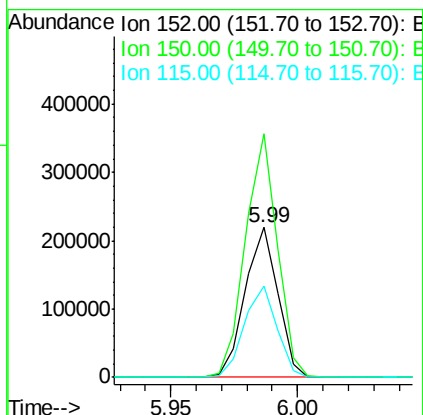
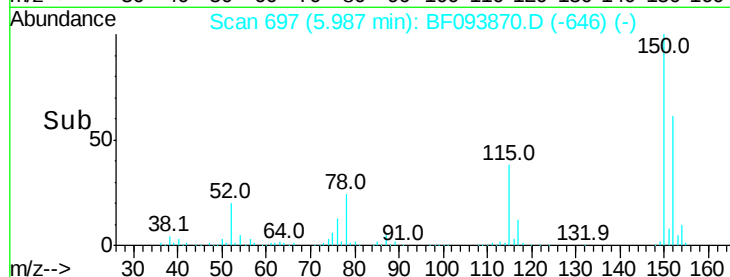
115 61.1 52.2 78.2



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: 139.19 ng

RT: 4.52 min Scan# 448

Delta R.T. 0.02 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

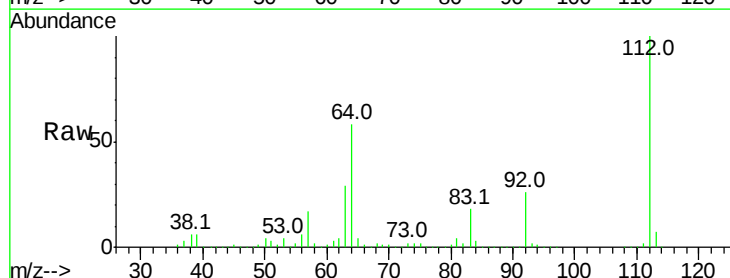
Tgt Ion:112 Resp: 1624789

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

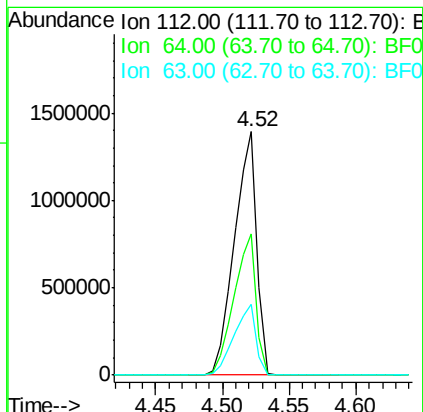
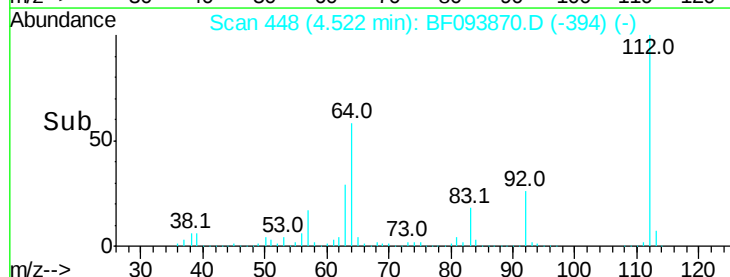
63 29.0 23.4 35.0



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: 145.15 ng

RT: 5.57 min Scan# 627

Delta R.T. 0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

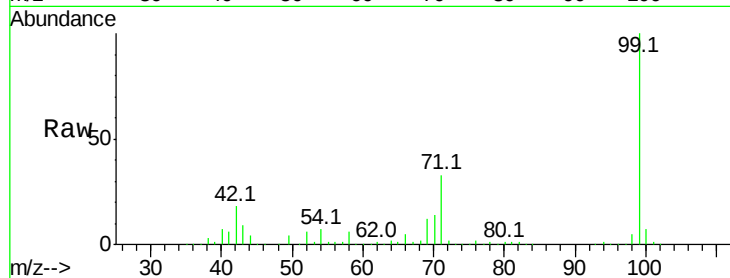
Tot Ion: 99 Resp: 2096143

Ion Ratio Lower Upper

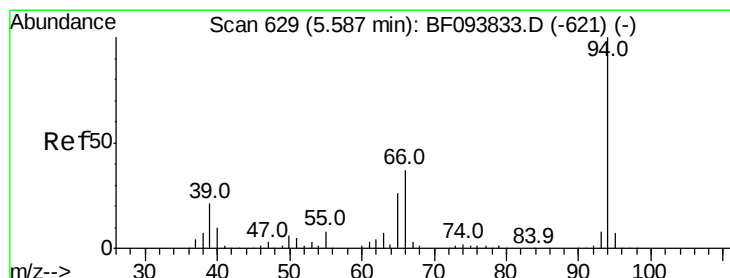
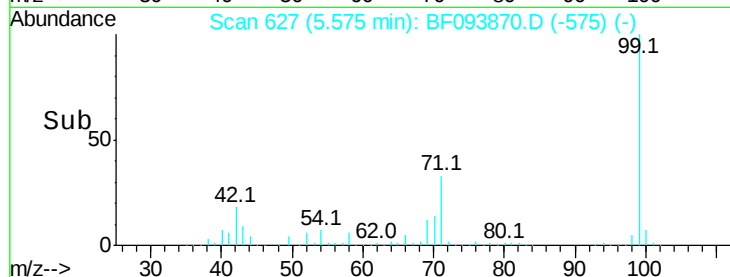
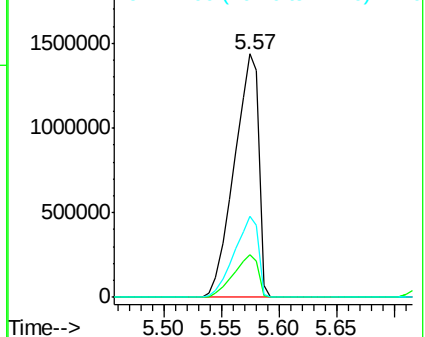
99 100

42 17.7 13.5 20.3

71 33.4 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: 5.60 ng

RT: 5.59 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

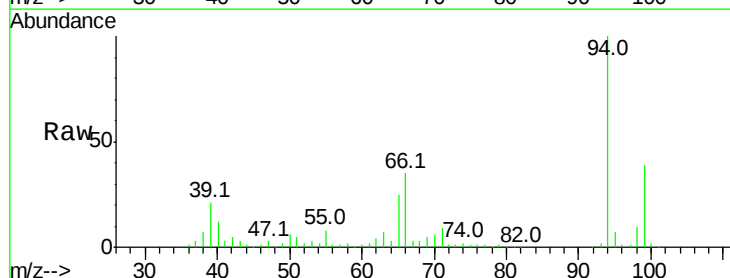
Tgt Ion: 94 Resp: 92007

Ion Ratio Lower Upper

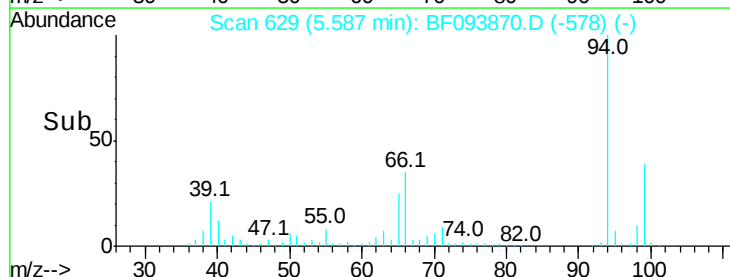
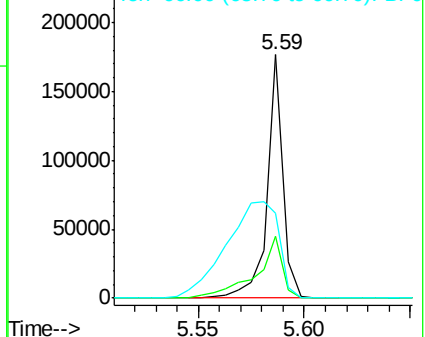
94 100

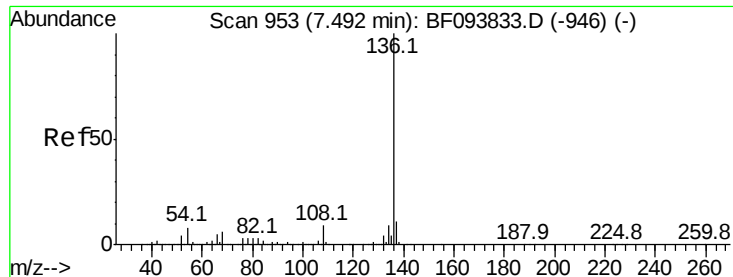
65 25.4 9.9 49.9

66 34.9 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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

Tot Ion:136 Resp: 785009

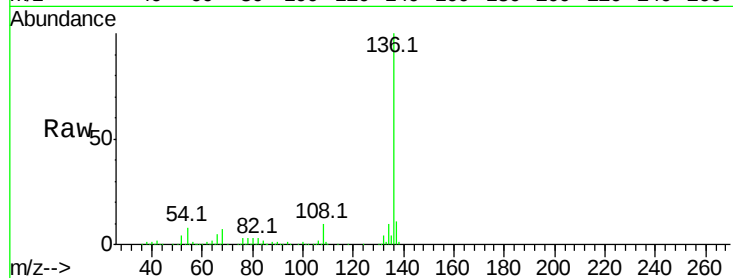
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.2 4.9 7.3#

68 6.6 4.1 6.1#

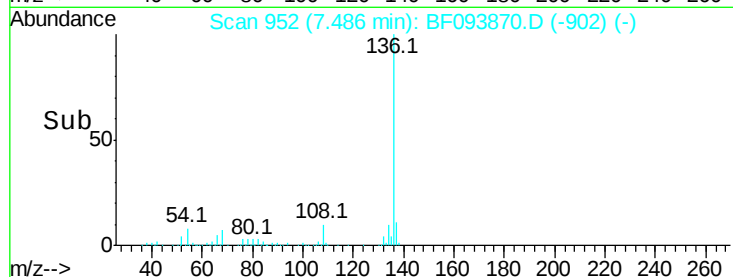


Abundance Ion 136.00 (135.70 to 136.70): E

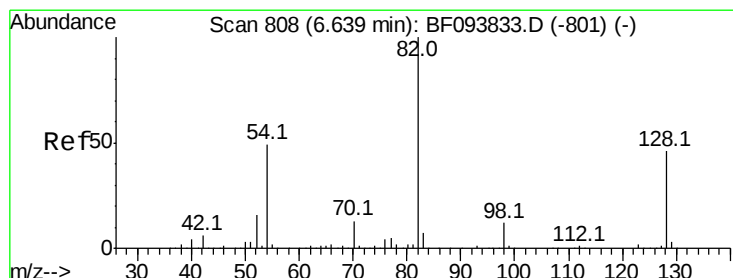
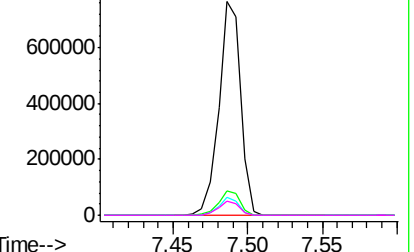
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 94.10 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

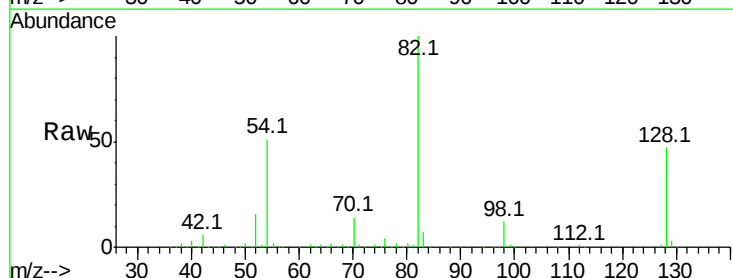
Tgt Ion: 82 Resp: 1294348

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

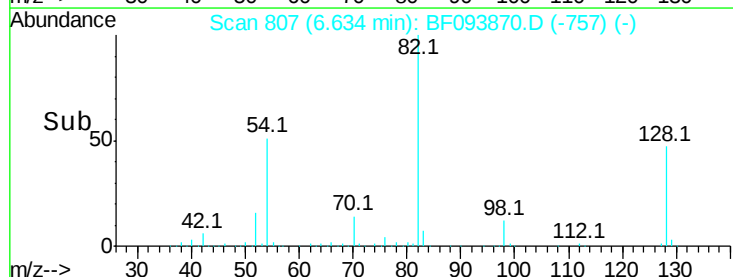
54 50.8 42.2 63.2



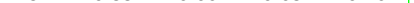
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

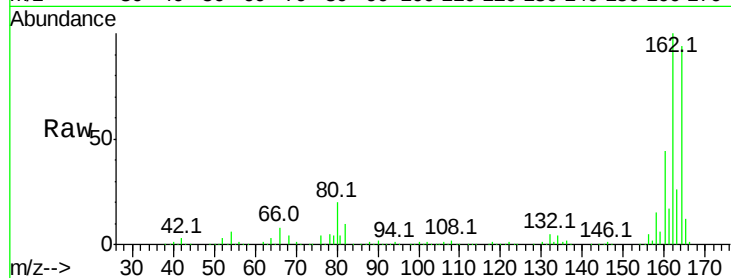




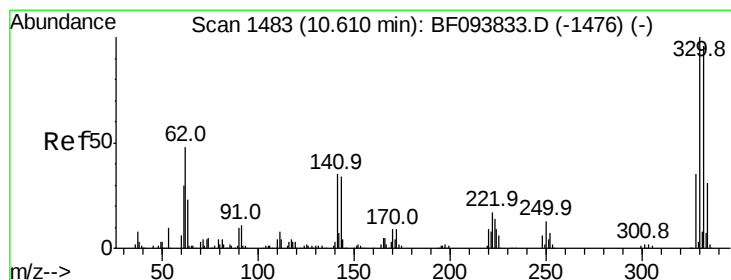
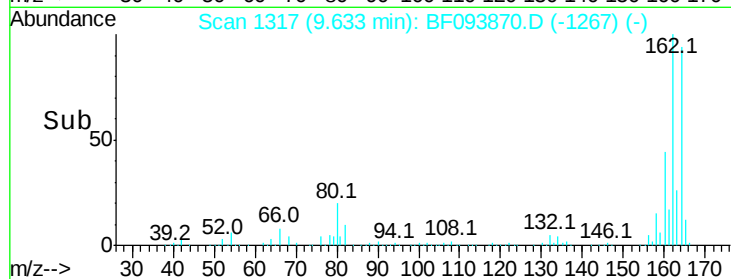
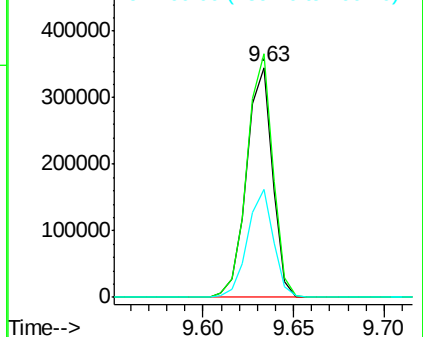
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.63 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BF093870.D  
 Acq: 23 Mar 2017 9:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11937-VNJ-205-COMP

Tot Ion:164 Resp: 343430  
 Ion Ratio Lower Upper  
 164 100  
 162 105.8 82.6 123.8  
 160 46.7 36.2 54.2

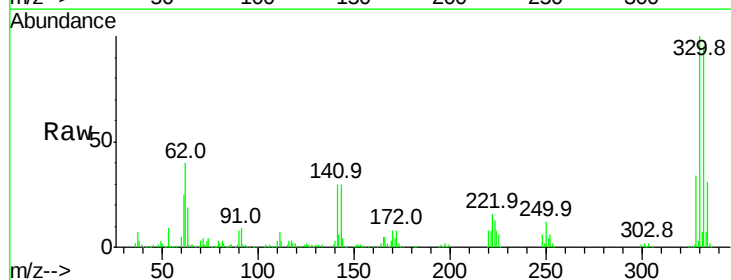


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

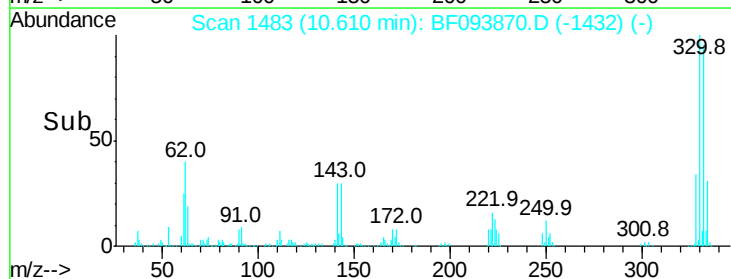
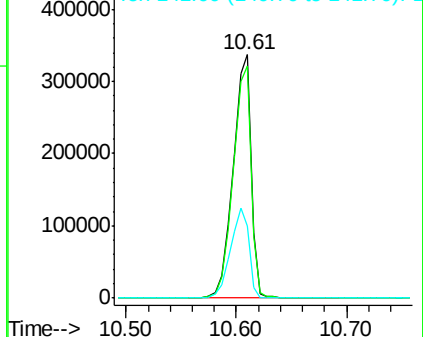


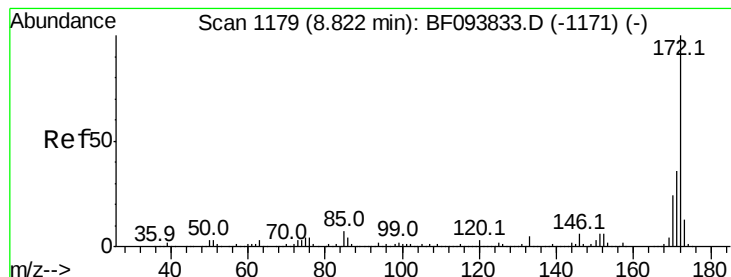
#41  
 2,4,6-Tribromophenol  
 Concen: 142.75 ng  
 RT: 10.61 min Scan# 1483  
 Delta R.T. -0.00 min  
 Lab File: BF093870.D  
 Acq: 23 Mar 2017 9:03

Tgt Ion:330 Resp: 387387  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.6 115.0  
 141 38.2 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: 89.03 ng

RT: 8.82 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

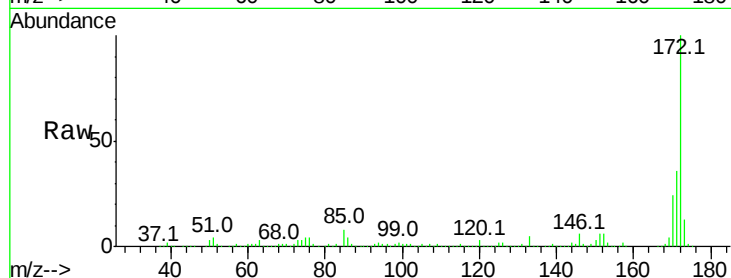
Tot Ion:172 Resp: 2004551

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

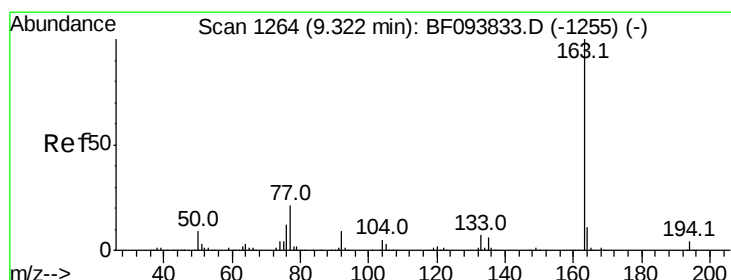
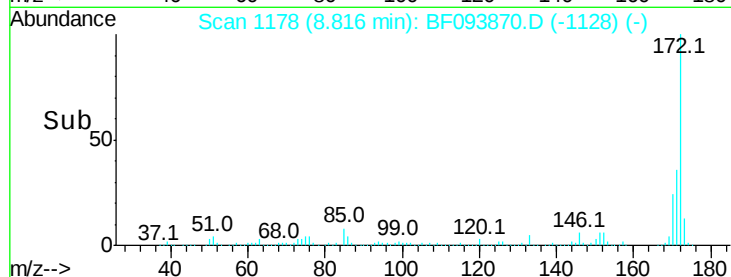
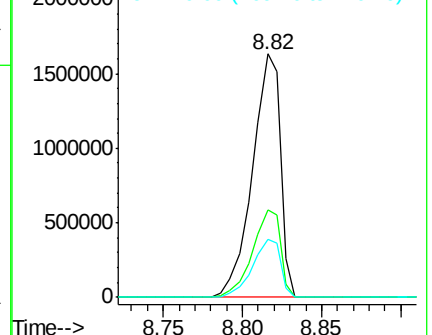
170 24.0 19.8 29.8



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: 9.82 ng

RT: 9.30 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

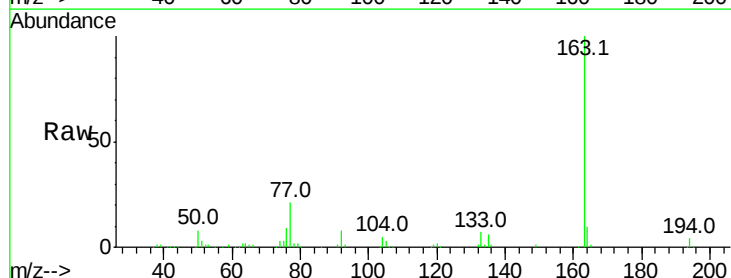
Tgt Ion:163 Resp: 239746

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

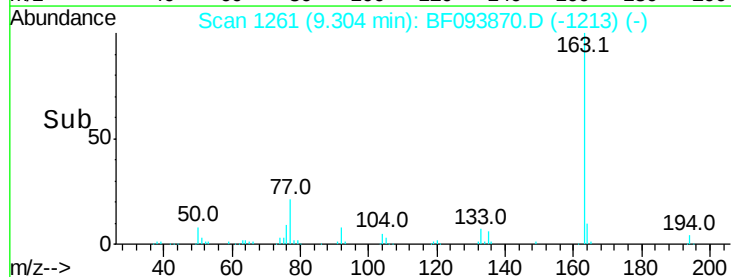
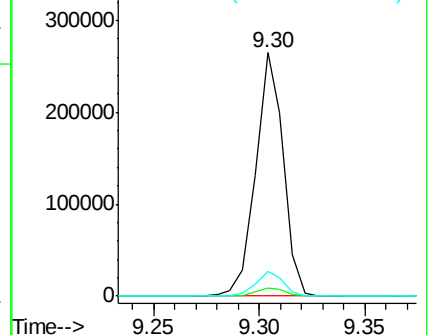
164 10.0 8.4 12.6

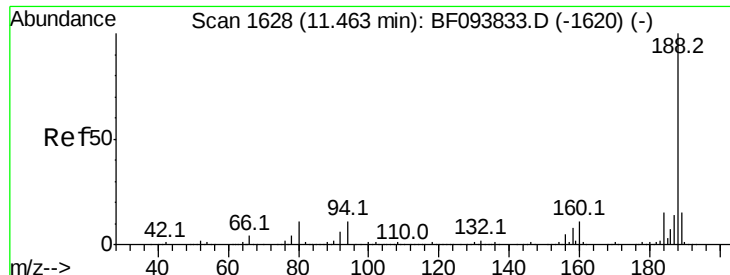


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

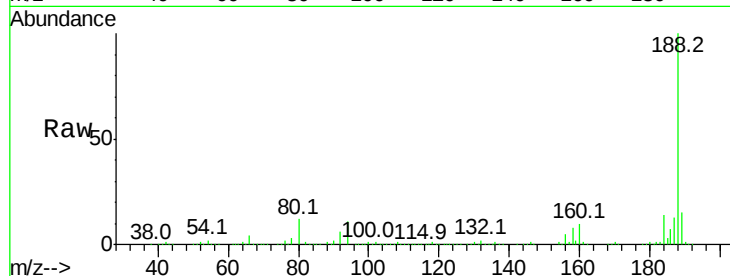




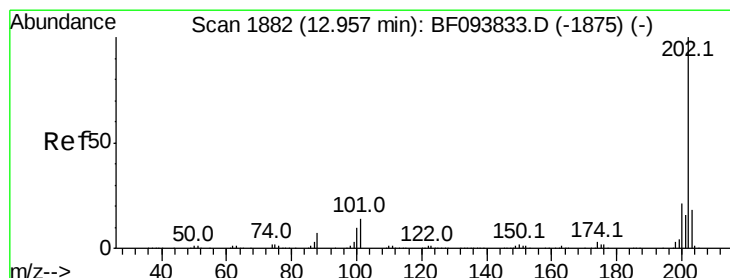
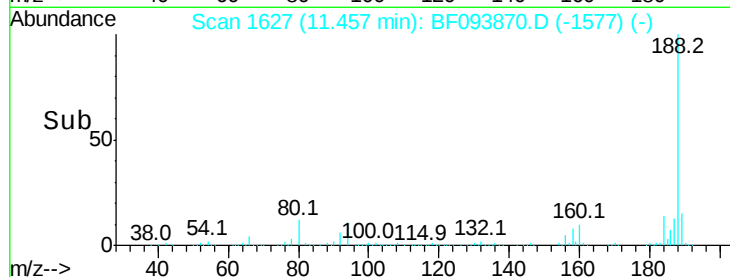
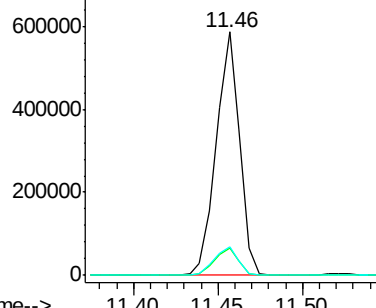
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.46 min Scan# 1627  
Delta R.T. -0.01 min  
Lab File: BF093870.D  
Acq: 23 Mar 2017 9:03

Instrument :  
BNA\_F  
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72-11937-VNJ-205-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.0  | 9.4   | 14.2  |
| 80      | 11.6  | 10.2  | 15.2  |

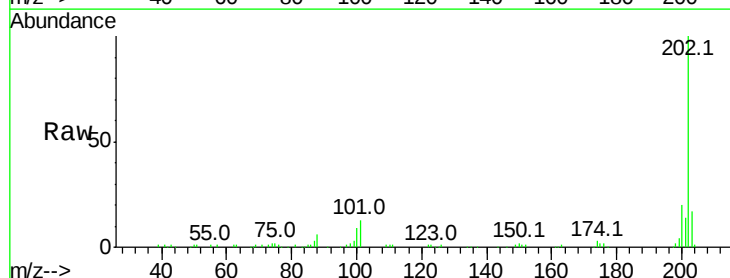


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

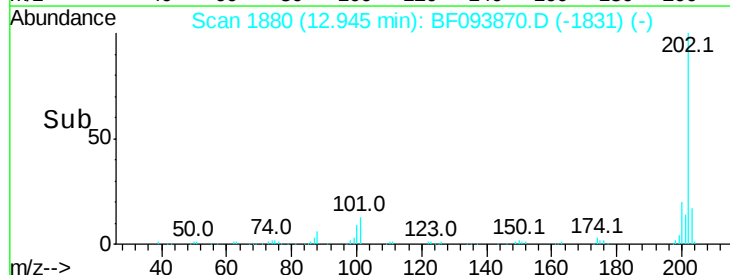
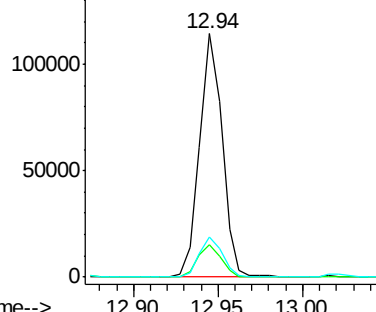


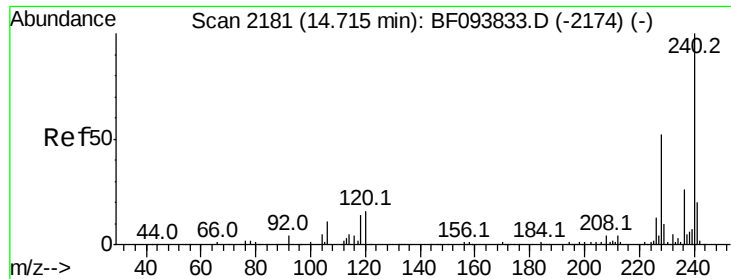
#74  
Fluoranthene  
Concen: 3.29 ng  
RT: 12.94 min Scan# 1880  
Delta R.T. -0.01 min  
Lab File: BF093870.D  
Acq: 23 Mar 2017 9:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.1  | 0.0   | 33.2  |
| 203     | 16.5  | 0.0   | 38.1  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.70 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

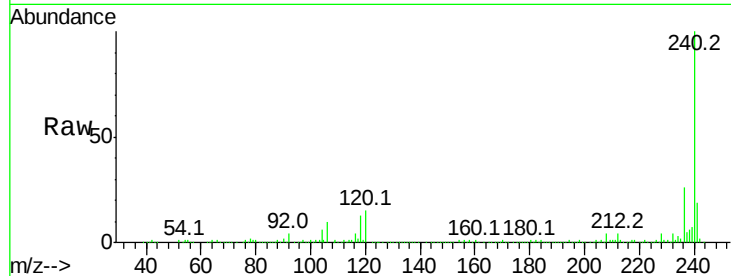
Tot Ion:240 Resp: 364179

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

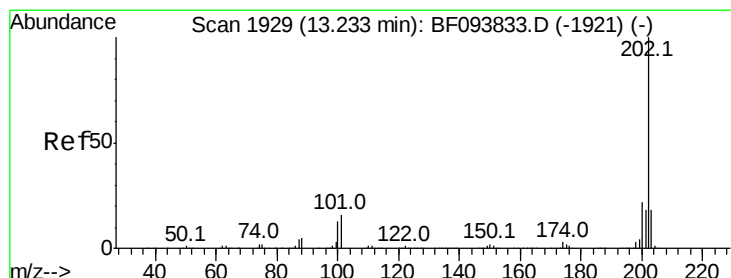
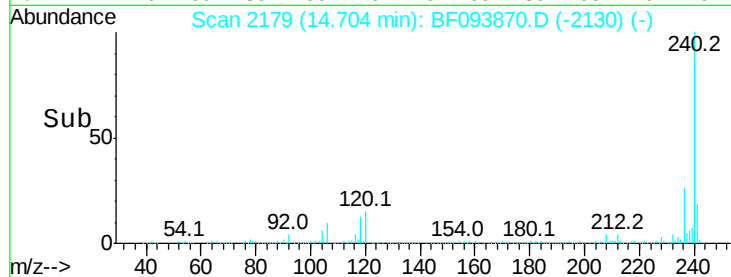
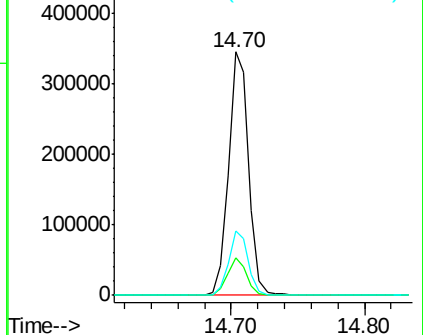
236 26.3 20.5 30.7



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



#77

Pyrene

Concen: 3.18 ng

RT: 13.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

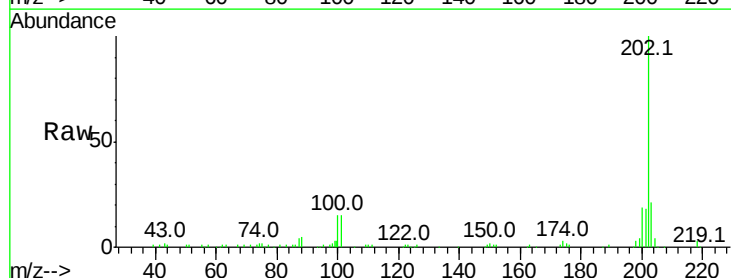
Tgt Ion:202 Resp: 84063

Ion Ratio Lower Upper

202 100

200 19.0 17.6 26.4

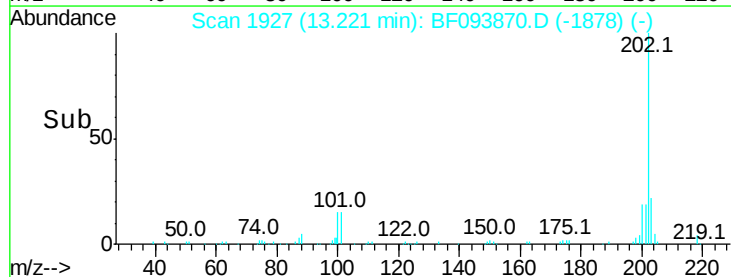
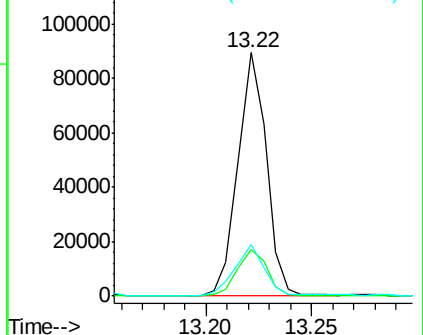
203 21.3 14.4 21.6

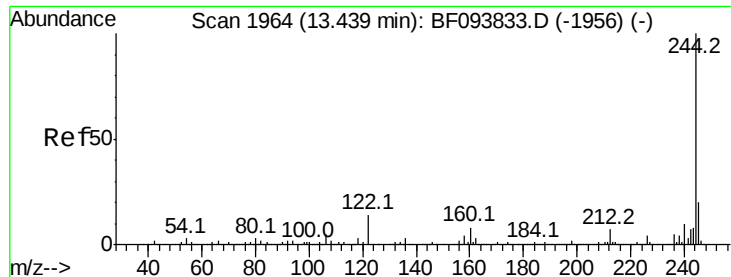


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.64 ng

RT: 13.44 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

Instrument :

BNA\_F

ClientSampleId :

72-11937-VNJ-205-COMP

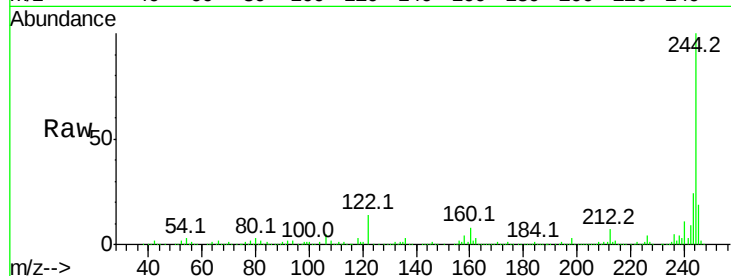
Tot Ion:244 Resp: 1342732

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

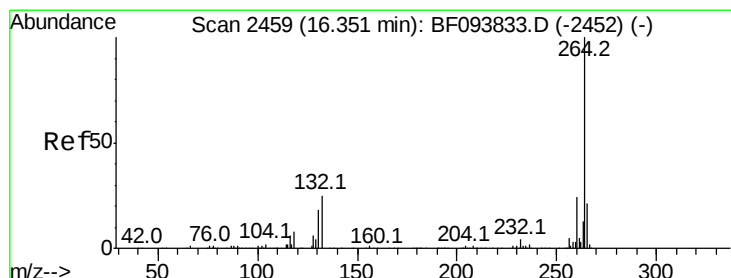
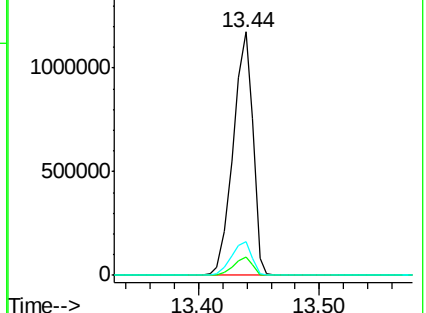
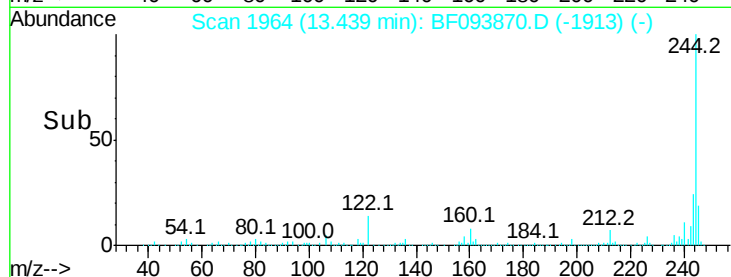
122 13.7 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.34 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF093870.D

Acq: 23 Mar 2017 9:03

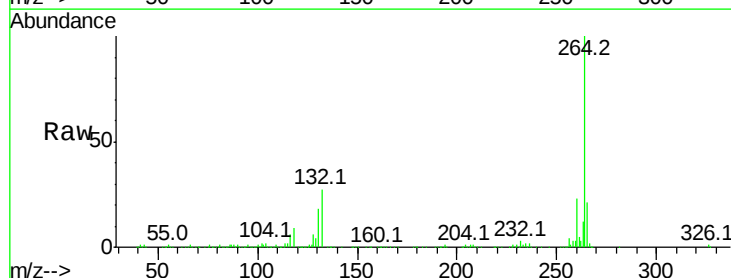
Tgt Ion:264 Resp: 309711

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.2 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

