

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\  
 Data File : BF093165.D  
 Acq On : 25 Feb 2017 00:54  
 Operator : SJ/MA  
 Sample : I1957-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SRI-SB-5(16-18)20170222

Quant Time: Feb 25 02:23:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

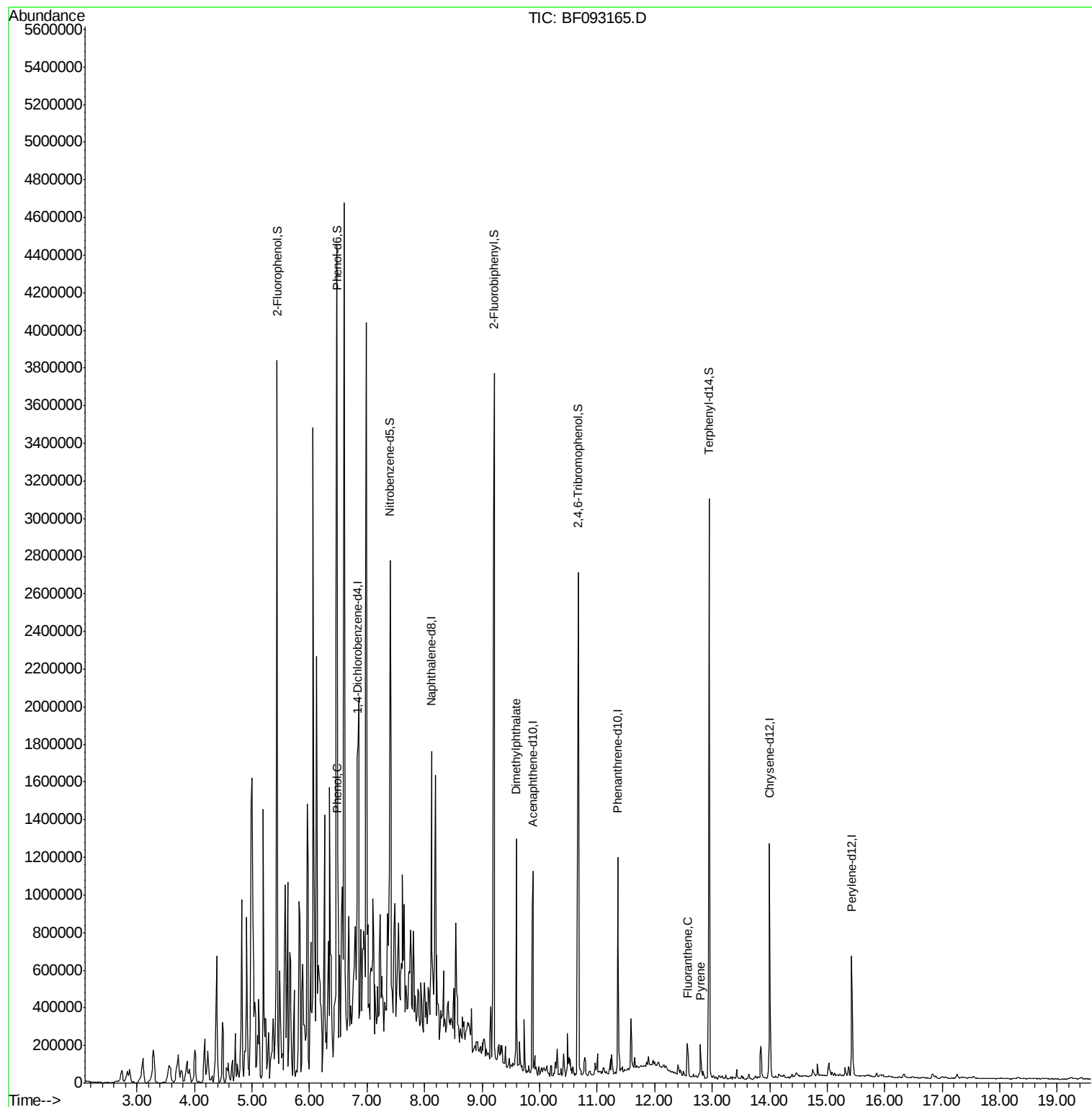
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 156851   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 8.12  | 136  | 589681   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 9.88  | 164  | 291892   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.36 | 188  | 519144   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 14.00 | 240  | 422474   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 15.43 | 264  | 297331   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.44  | 112  | 1434954  | 156.95 | ng    | -0.01          |
| 7) Phenol-d6                | 6.48  | 99   | 1585397  | 134.77 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 1017570  | 96.10  | ng    | -0.02          |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 324294   | 153.61 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1664751  | 103.33 | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.95 | 244  | 1351972  | 75.19  | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 6.49  | 94   | 61078    | 4.44   | ng    | Qvalue<br># 79 |
| 49) Dimethylphthalate       | 9.60  | 163  | 441118   | 22.44  | ng    | 99             |
| 74) Fluoranthene            | 12.57 | 202  | 91662    | 2.99   | ng    | 92             |
| 77) Pyrene                  | 12.80 | 202  | 82000    | 2.59   | ng    | 99             |

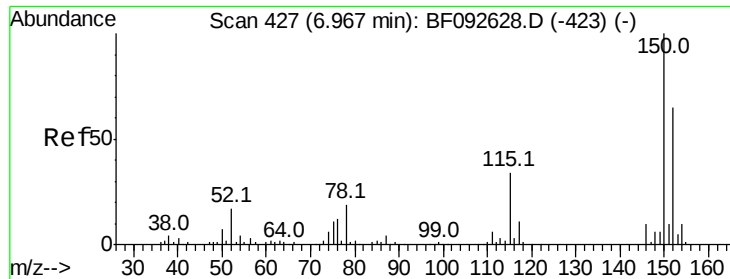
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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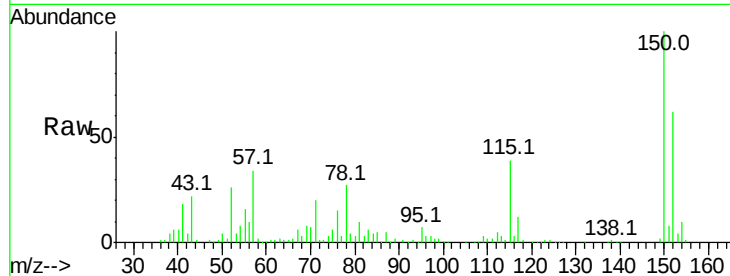


#1

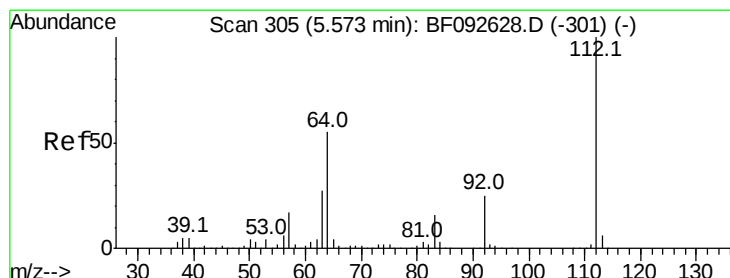
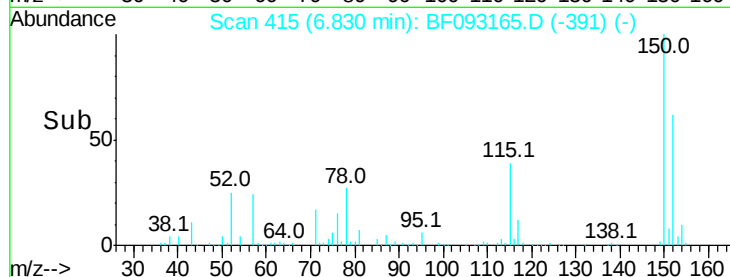
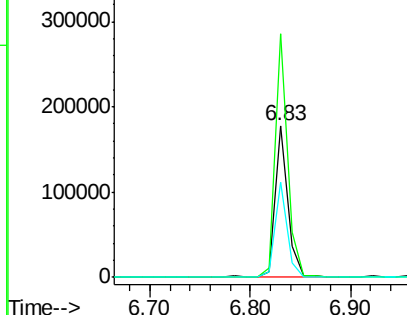
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.83 min Scan# 415  
Delta R.T. -0.02 min  
Lab File: BF093165.D  
Acq: 25 Feb 2017 00:54

Instrument :  
BNA\_F  
ClientSampleId :  
SRI-SB-5(16-18)20170222

Tot Ion:152 Resp: 156851  
Ion Ratio Lower Upper  
152 100  
150 160.7 124.9 187.3  
115 62.6 46.0 69.0



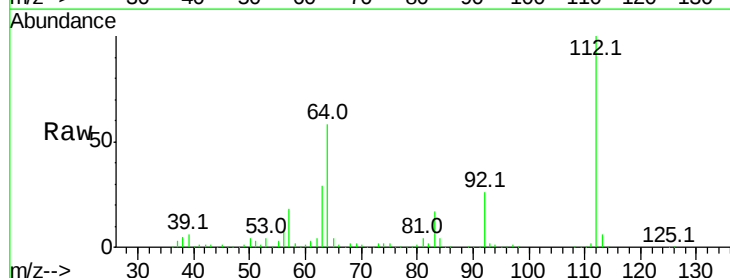
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



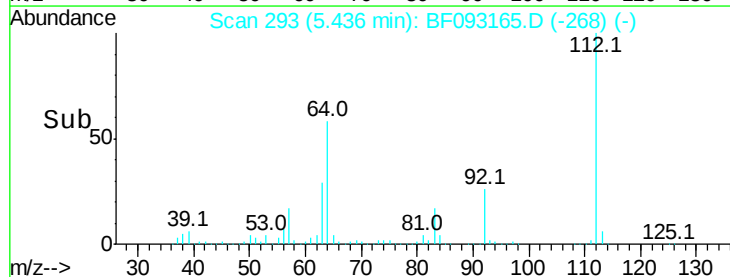
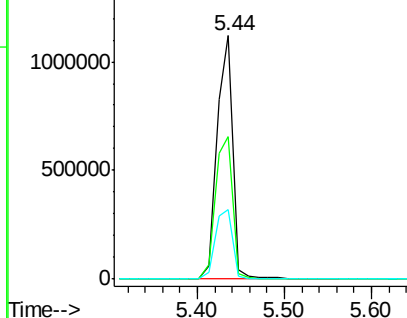
#5

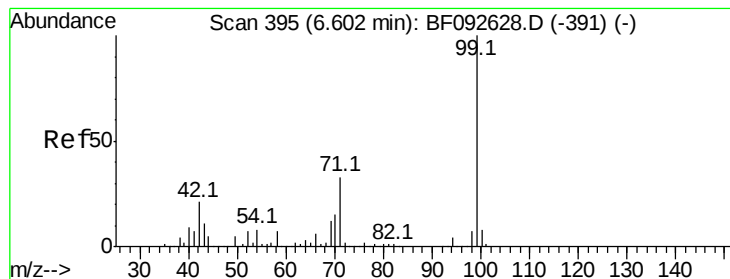
2-Fluorophenol  
Concen: 156.95 ng  
RT: 5.44 min Scan# 293  
Delta R.T. -0.01 min  
Lab File: BF093165.D  
Acq: 25 Feb 2017 00:54

Tgt Ion:112 Resp: 1434954  
Ion Ratio Lower Upper  
112 100  
64 58.4 46.1 69.1  
63 28.8 23.8 35.6



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: 134.77 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

SRI-SB-5(16-18)20170222

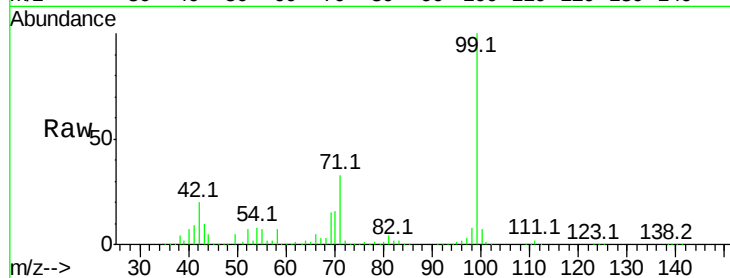
Tot Ion: 99 Resp: 1585397

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

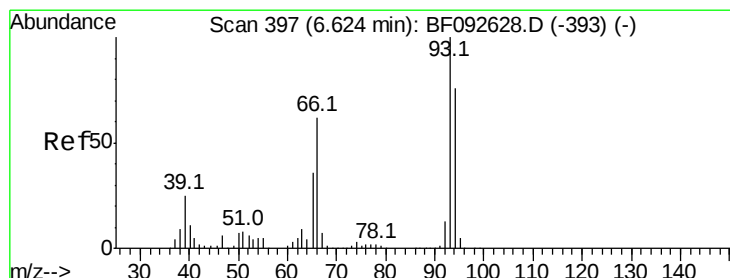
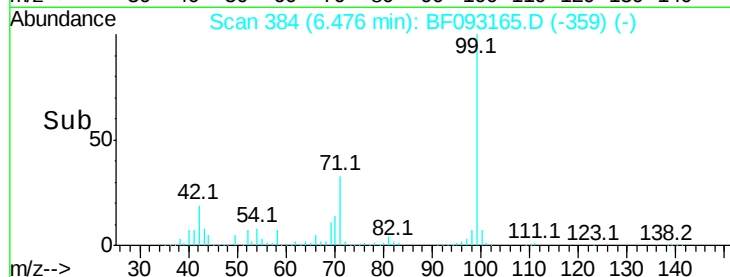
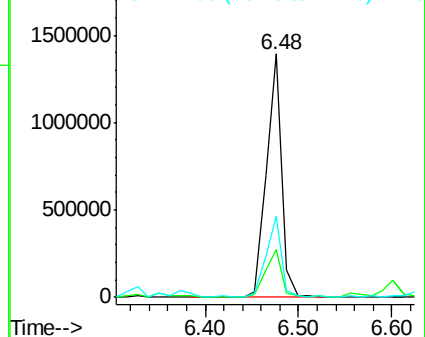
71 33.2 27.5 41.3



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: 4.44 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

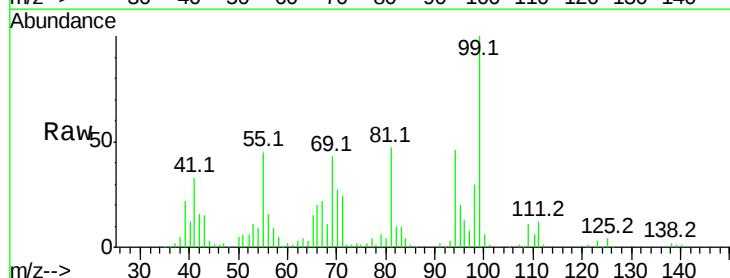
Tgt Ion: 94 Resp: 61078

Ion Ratio Lower Upper

94 100

65 32.7 21.4 61.4

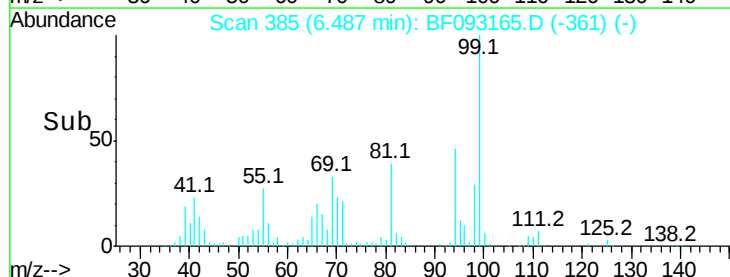
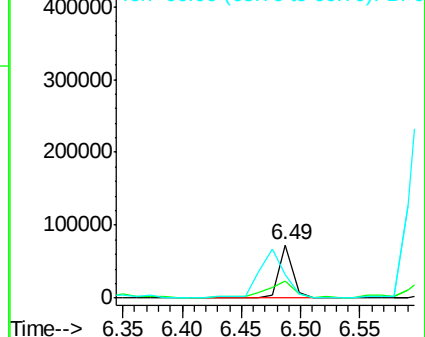
66 43.4 44.0 84.0#

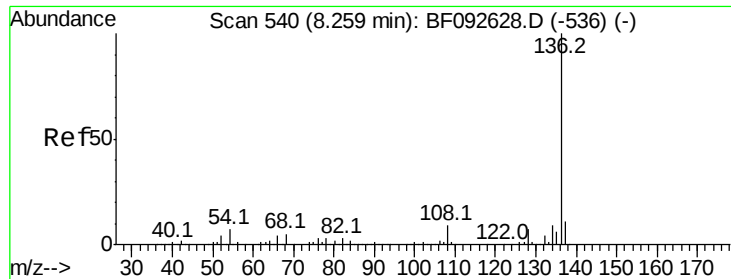


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

SRI-SB-5(16-18)20170222

Tot Ion:136 Resp: 589681

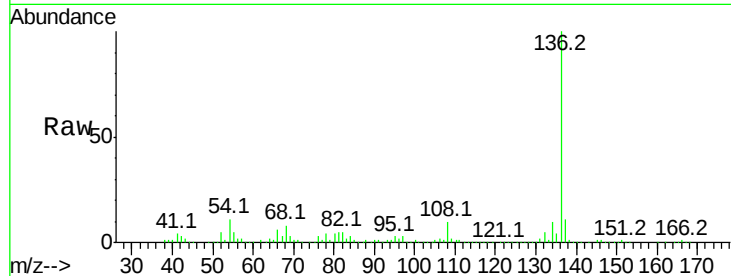
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 10.8 4.5 6.7#

68 8.2 3.6 5.4#

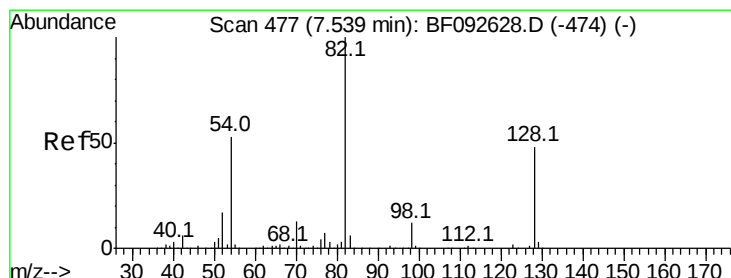
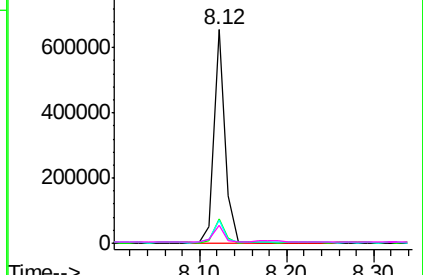
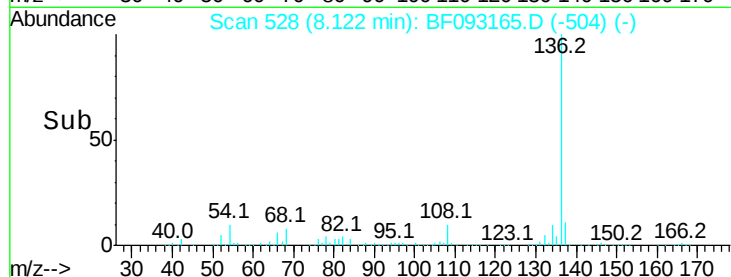


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.10 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

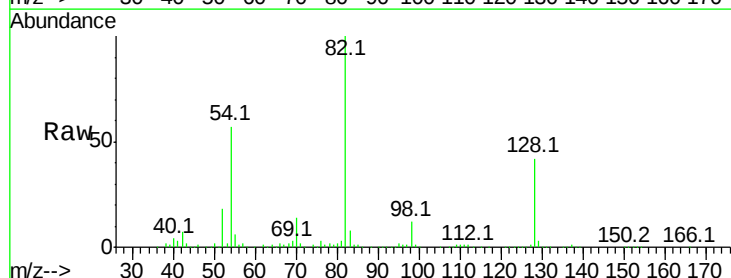
Tgt Ion: 82 Resp: 1017570

Ion Ratio Lower Upper

82 100

128 41.7 34.6 52.0

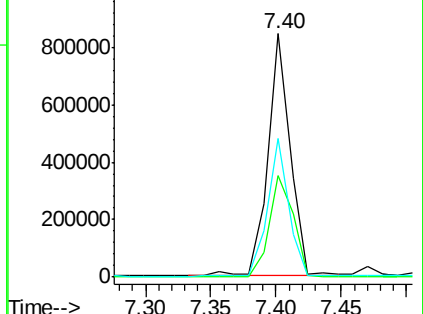
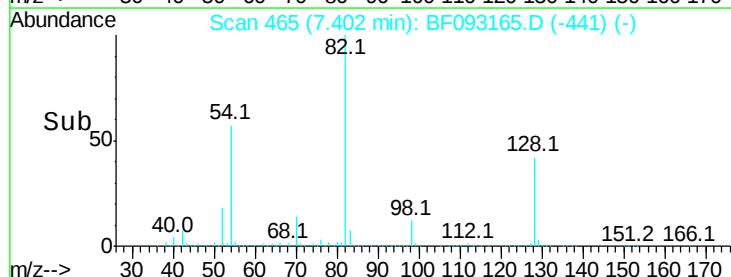
54 57.1 39.5 59.3

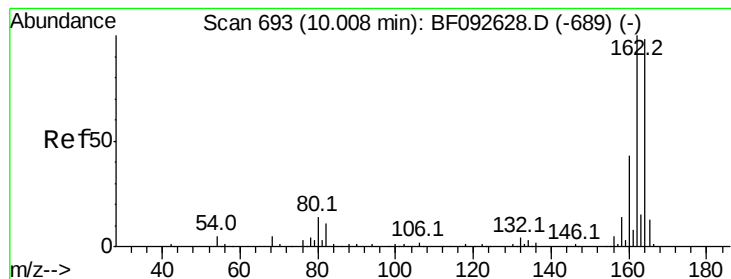


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

SRI-SB-5(16-18)20170222

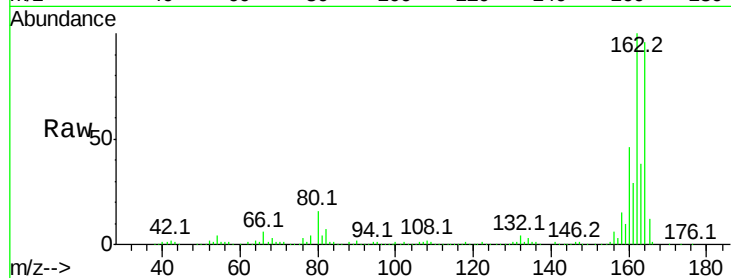
Tot Ion:164 Resp: 291892

Ion Ratio Lower Upper

164 100

162 104.5 80.2 120.2

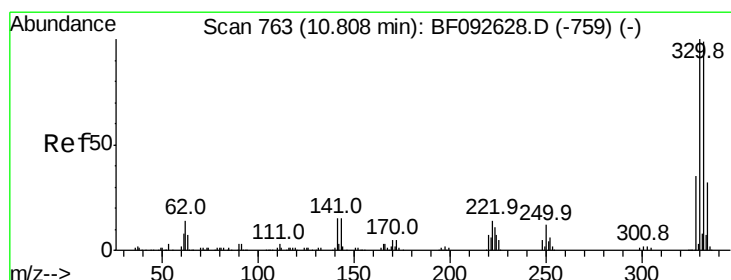
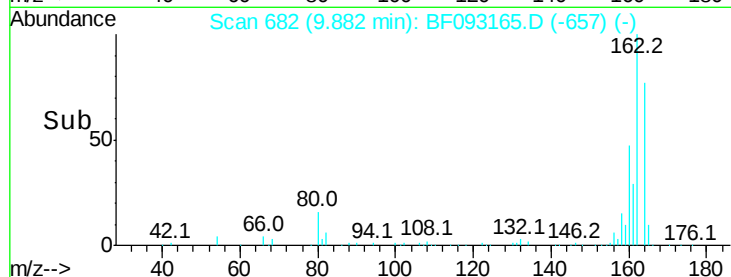
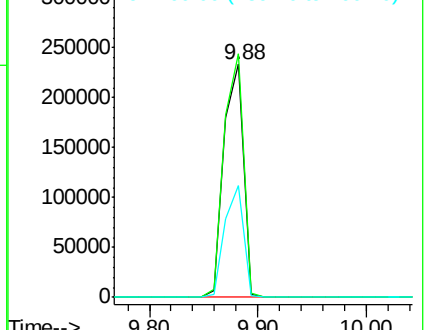
160 47.7 36.9 55.3



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: 153.61 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

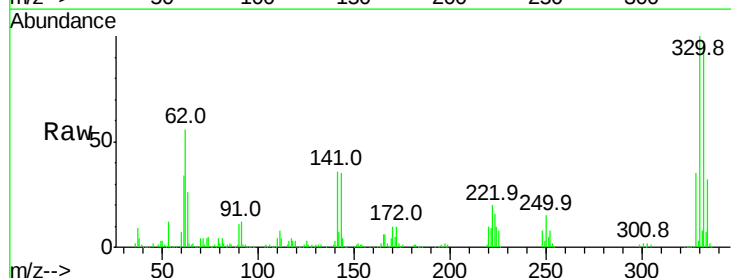
Tgt Ion:330 Resp: 324294

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

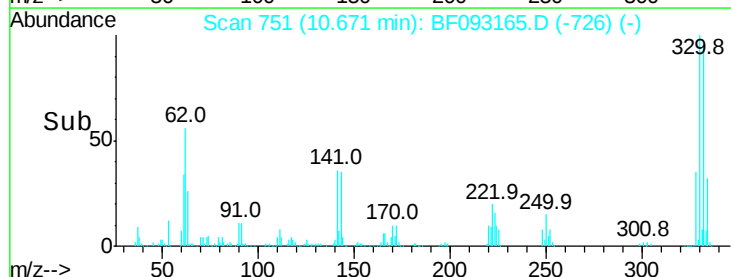
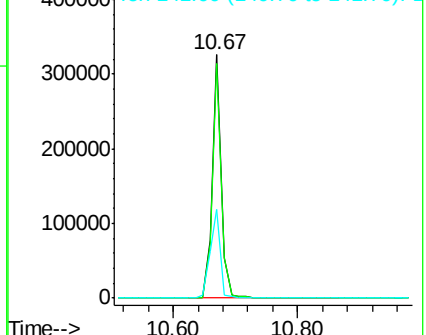
141 40.4 34.1 51.1

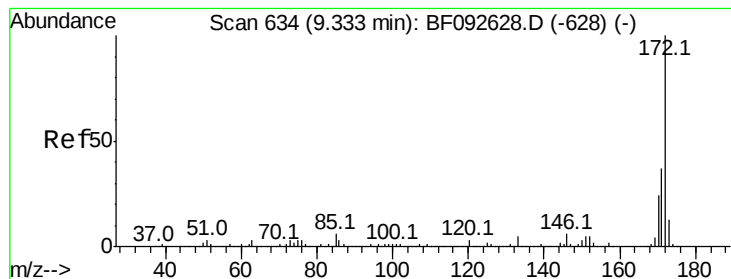


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 103.33 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

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ClientSampleId :

SRI-SB-5(16-18)20170222

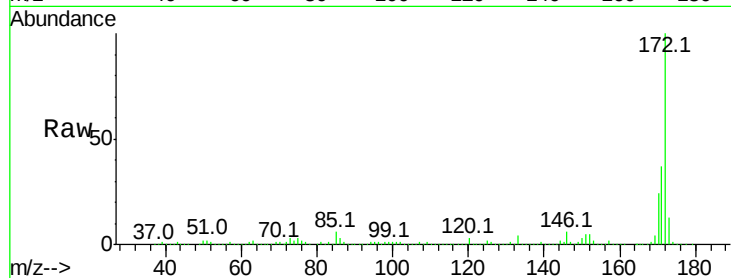
Tot Ion:172 Resp: 1664751

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

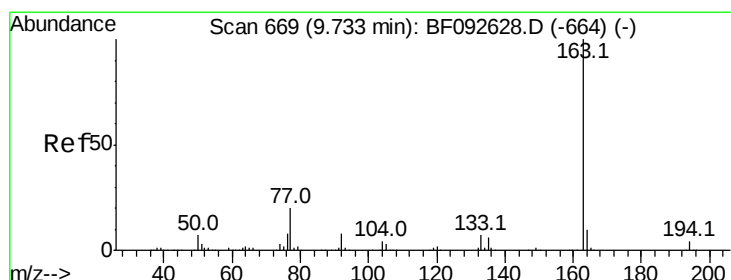
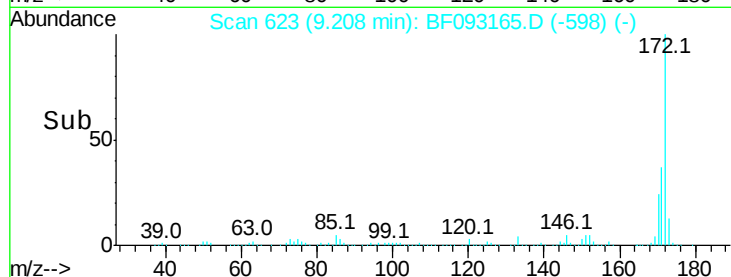
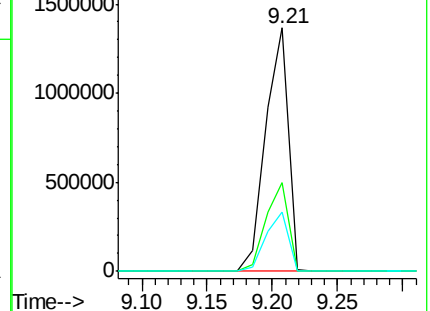
170 24.4 20.2 30.4



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: 22.44 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

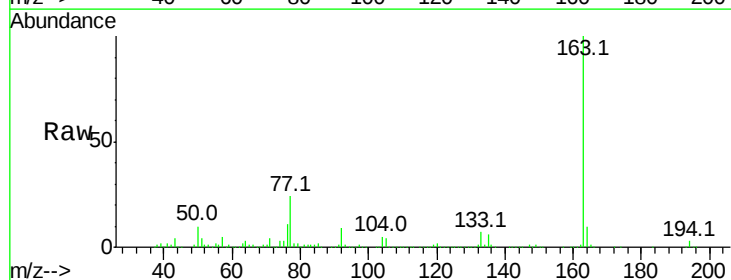
Tgt Ion:163 Resp: 441118

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

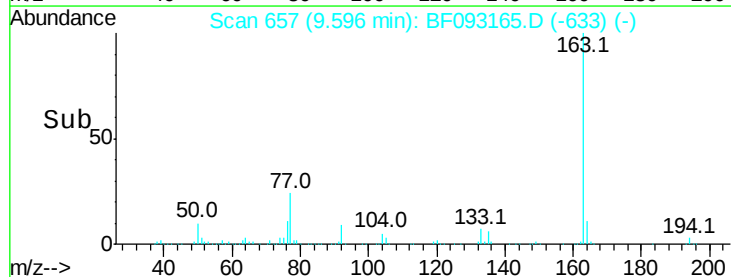
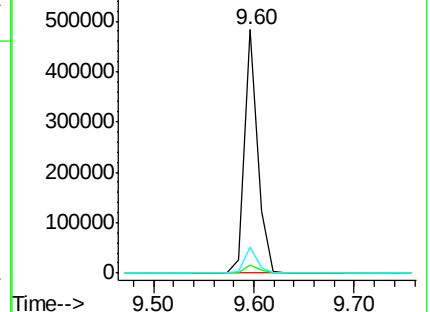
164 10.5 8.0 12.0

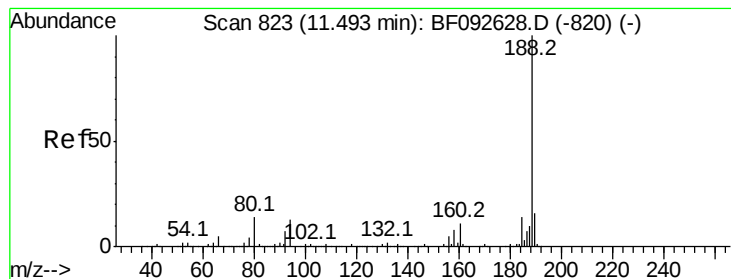


Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

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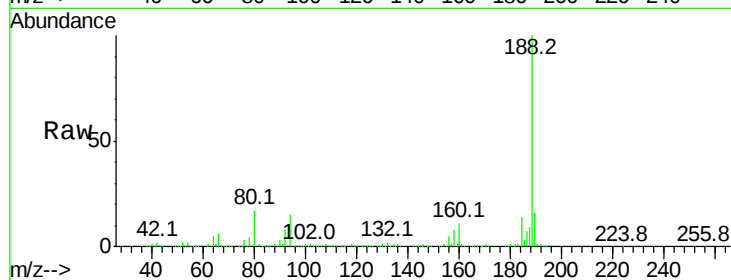
Tot Ion:188 Resp: 519144

Ion Ratio Lower Upper

188 100

94 15.0 10.0 15.0

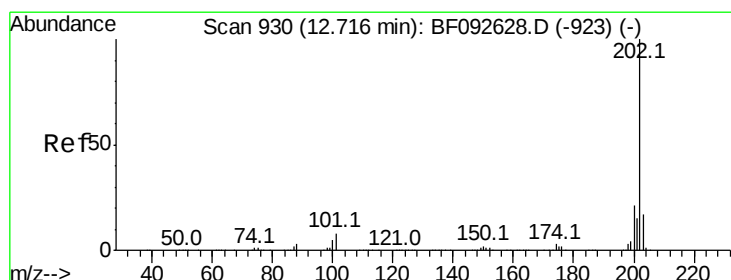
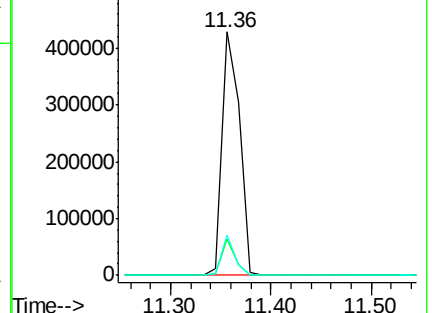
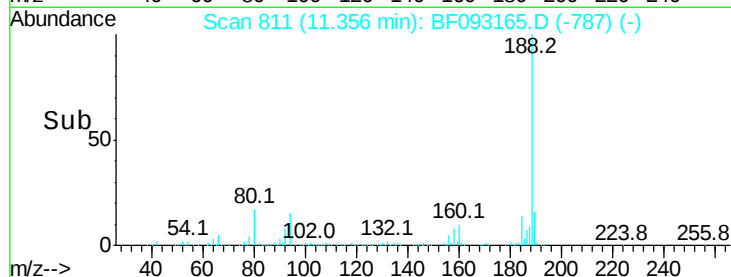
80 16.7 11.2 16.8



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: 2.99 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

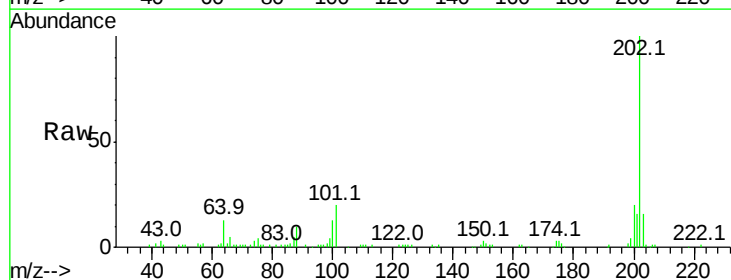
Tgt Ion:202 Resp: 91662

Ion Ratio Lower Upper

202 100

101 19.5 0.0 34.6

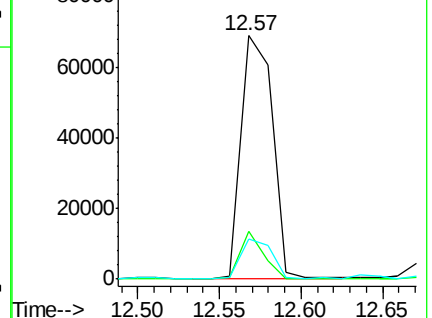
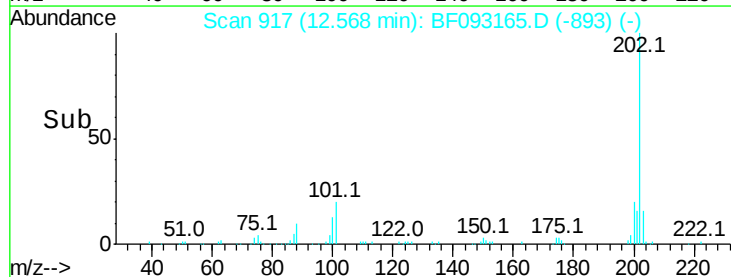
203 16.3 0.0 38.7

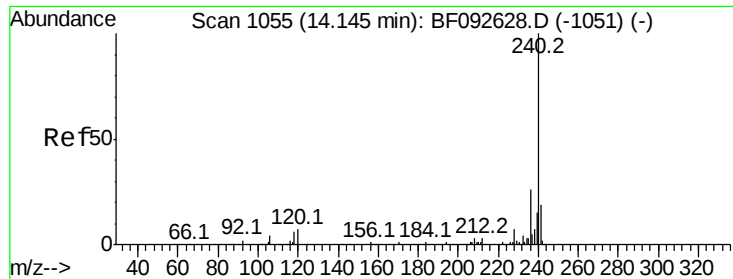


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

SRI-SB-5(16-18)20170222

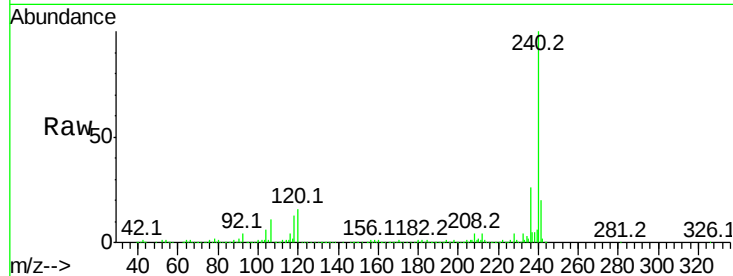
Tot Ion:240 Resp: 422474

Ion Ratio Lower Upper

240 100

120 16.0 12.9 19.3

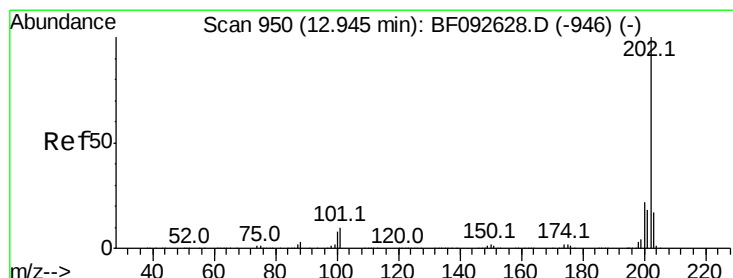
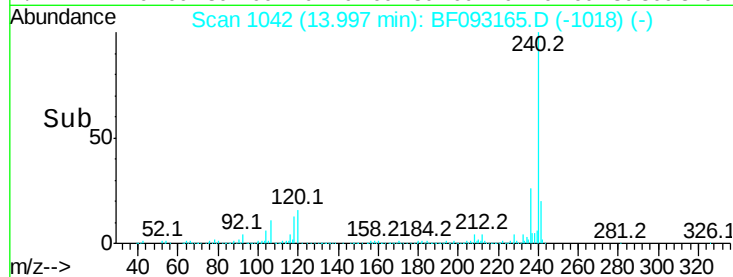
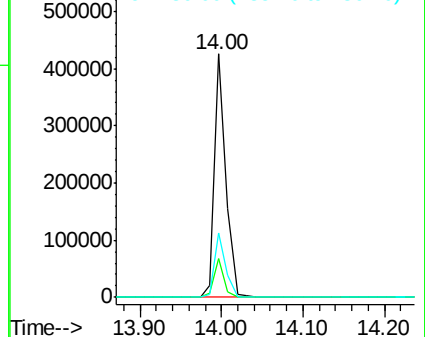
236 26.3 20.9 31.3



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: 2.59 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

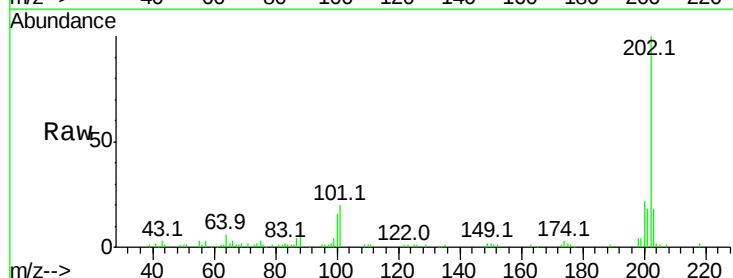
Tgt Ion:202 Resp: 82000

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

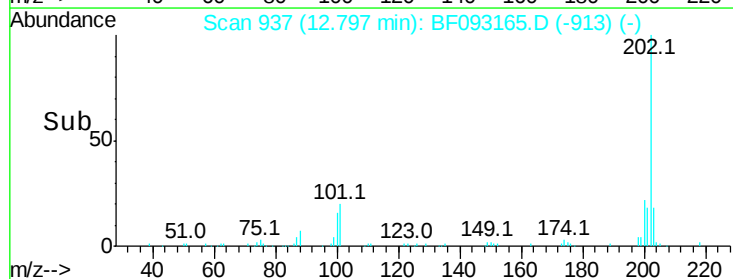
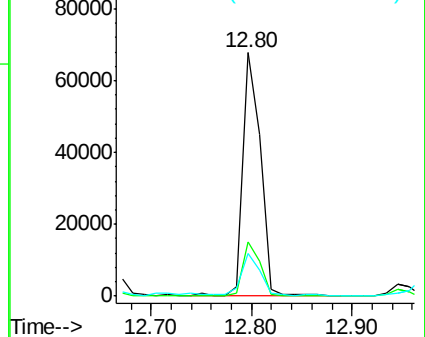
203 17.7 14.7 22.1

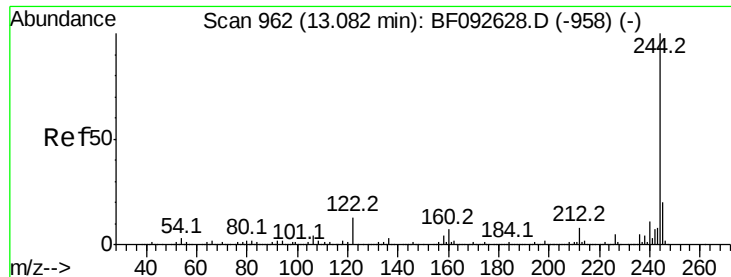


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.19 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Instrument :

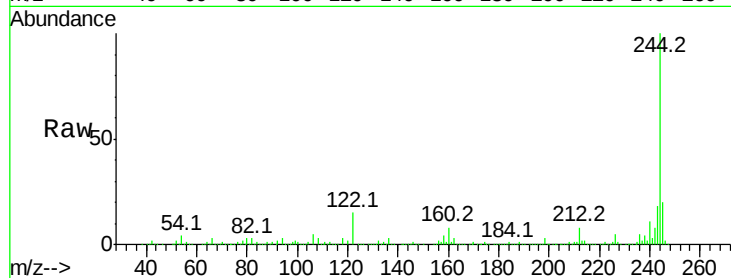
BNA\_F

ClientSampleId :

SRI-SB-5(16-18)20170222

Tot Ion:244 Resp: 1351972

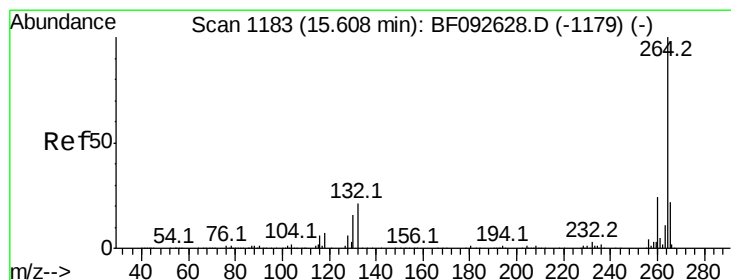
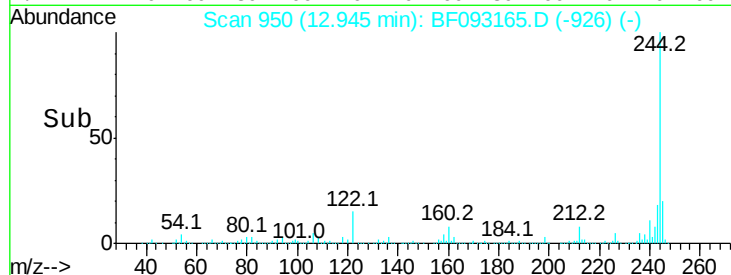
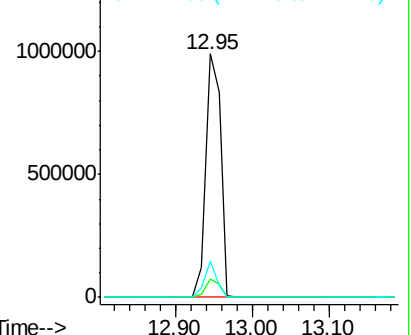
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.6   | 6.2   | 9.2   |
| 122 | 15.1  | 11.4  | 17.2  |



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: 15.43 min Scan# 1167

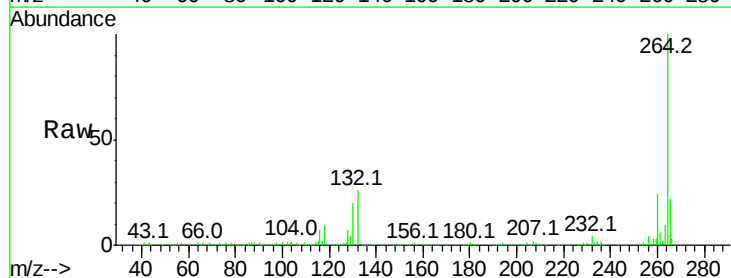
Delta R.T. -0.02 min

Lab File: BF093165.D

Acq: 25 Feb 2017 00:54

Tgt Ion:264 Resp: 297331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 21.9  | 17.4  | 26.0  |



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

