

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\  
 Data File : BF093119.D  
 Acq On : 23 Feb 2017 22:09  
 Operator : SJ/MA  
 Sample : I1954-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-06(5-10)

Quant Time: Feb 24 00:27:40 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

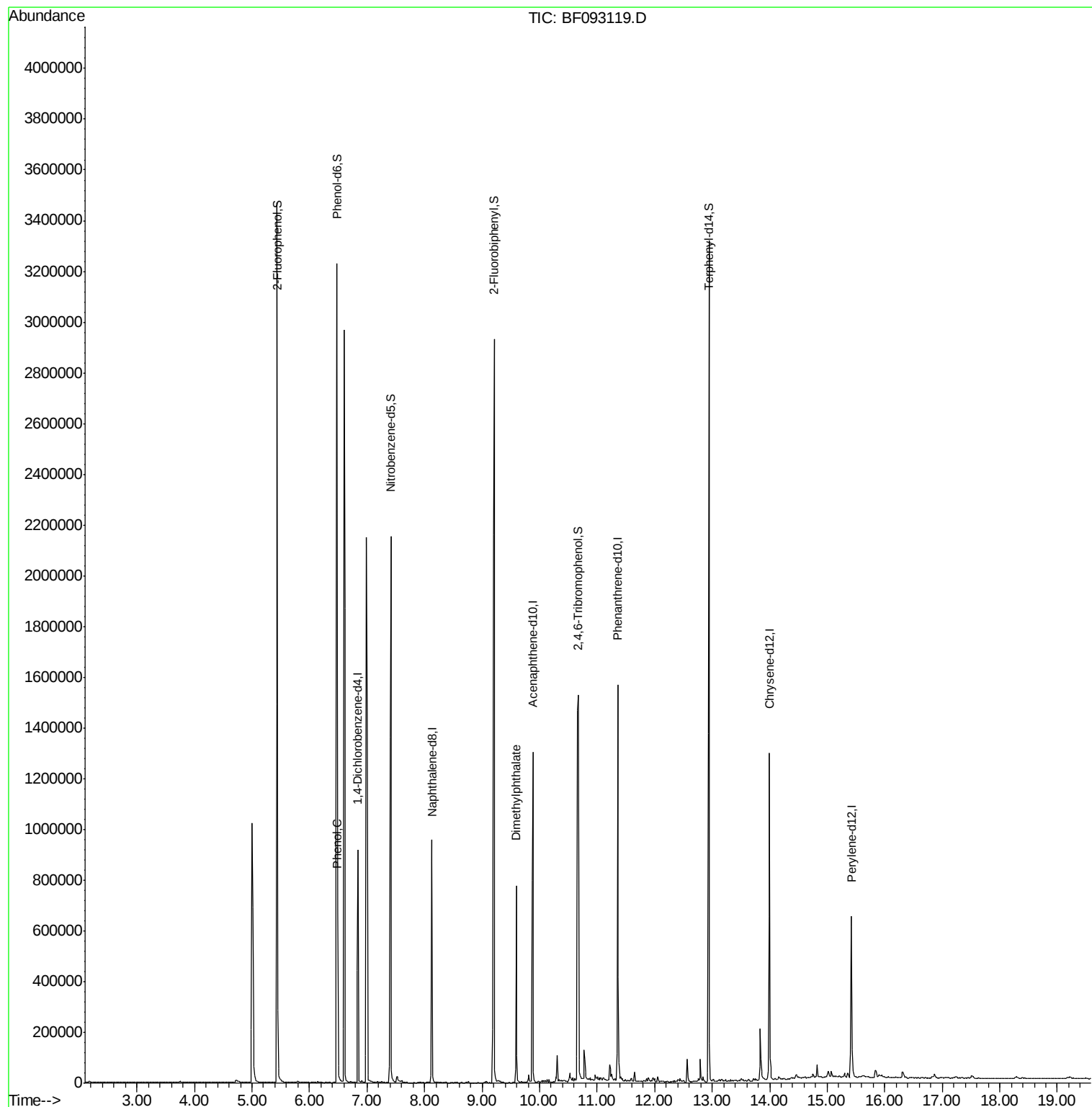
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 163790   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.13  | 136  | 648330   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 319514   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.36 | 188  | 572452   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.00 | 240  | 506158   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.43 | 264  | 341297   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 1034375  | 108.35 | ng    | -0.01    |
| 7) Phenol-d6                | 6.48  | 99   | 1177325  | 95.84  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 873511   | 75.03  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 271061   | 117.30 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1288162  | 73.04  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.95 | 244  | 1085798  | 50.40  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.49  | 94   | 34659    | 2.41   | ng    | 92       |
| 49) Dimethylphthalate       | 9.60  | 163  | 300844   | 13.98  | ng    | 99       |

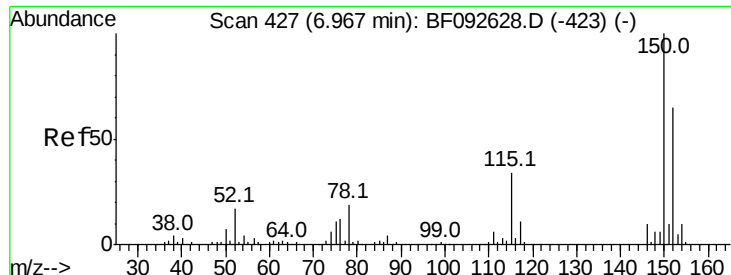
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CLP-S-06(5-10)

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QLast Update : Fri Feb 17 17:31:55 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093119.D

Acq: 23 Feb 2017 22:09

Instrument :

BNA\_F

ClientSampleId :

CLP-S-06(5-10)

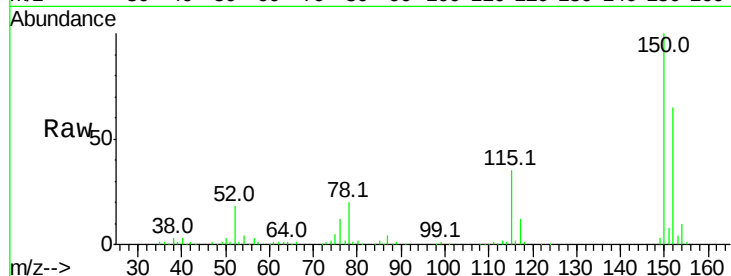
Tot Ion:152 Resp: 163790

Ion Ratio Lower Upper

152 100

150 153.1 124.9 187.3

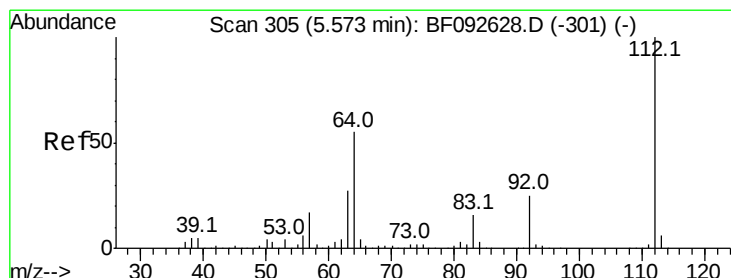
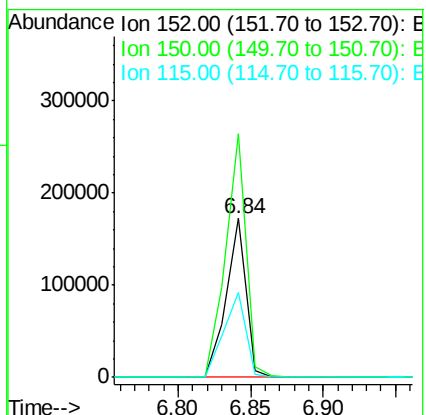
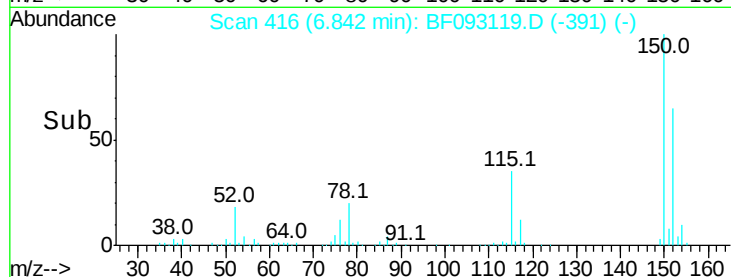
115 53.1 46.0 69.0



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: 108.35 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093119.D

Acq: 23 Feb 2017 22:09

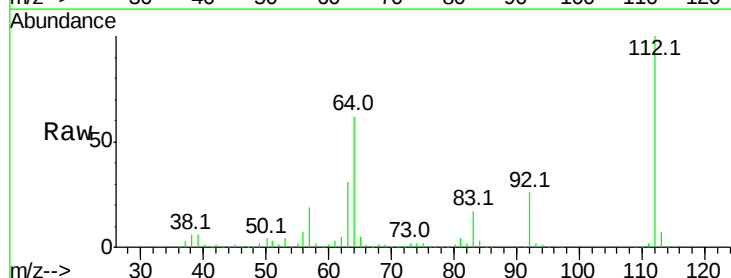
Tgt Ion:112 Resp: 1034375

Ion Ratio Lower Upper

112 100

64 62.4 46.1 69.1

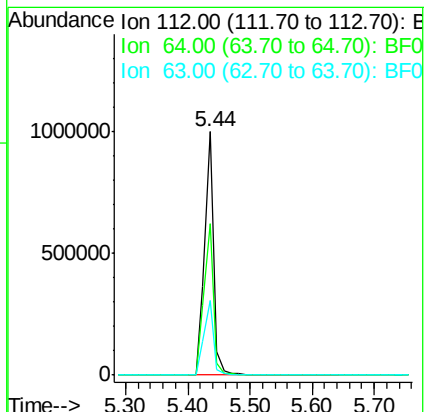
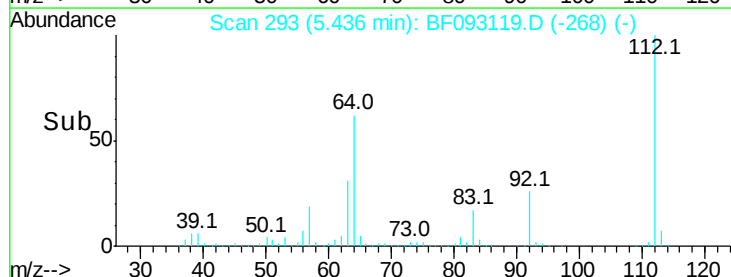
63 30.5 23.8 35.6

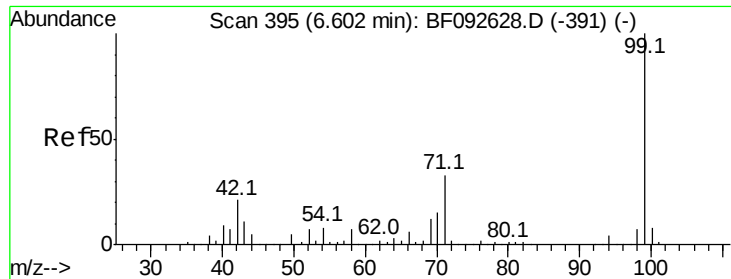


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.84 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093119.D

Acq: 23 Feb 2017 22:09

Instrument :

BNA\_F

ClientSampleId :

CLP-S-06(5-10)

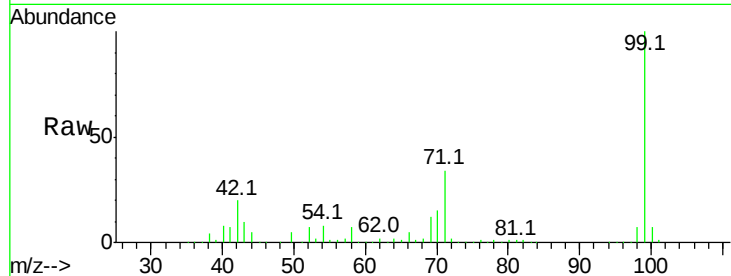
Tot Ion: 99 Resp: 1177325

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

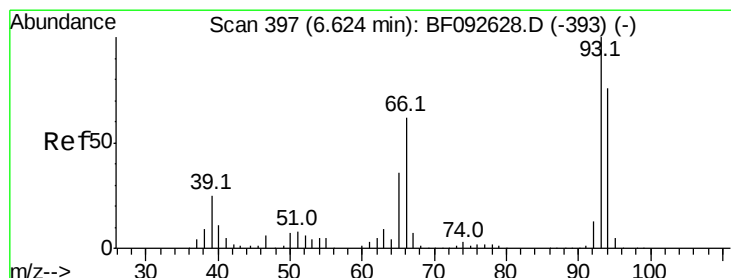
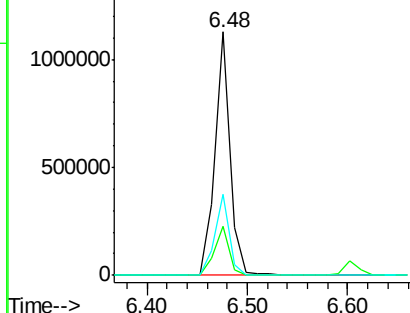
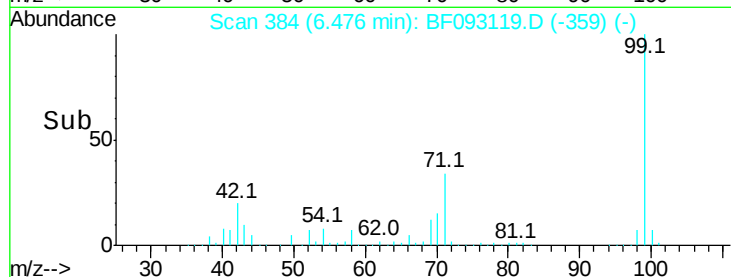
71 33.5 27.5 41.3



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: 2.41 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093119.D

Acq: 23 Feb 2017 22:09

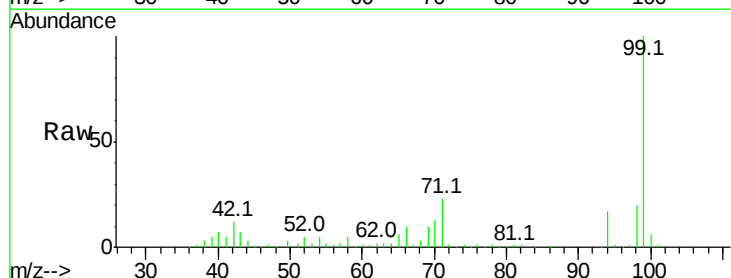
Tgt Ion: 94 Resp: 34659

Ion Ratio Lower Upper

94 100

65 36.6 21.4 61.4

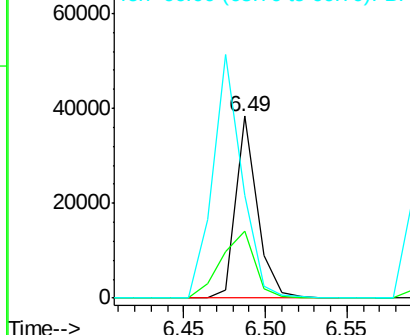
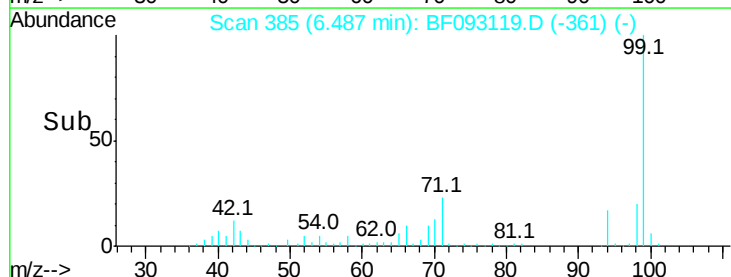
66 56.9 44.0 84.0

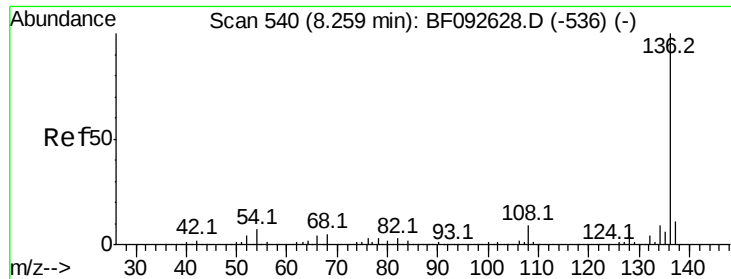


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

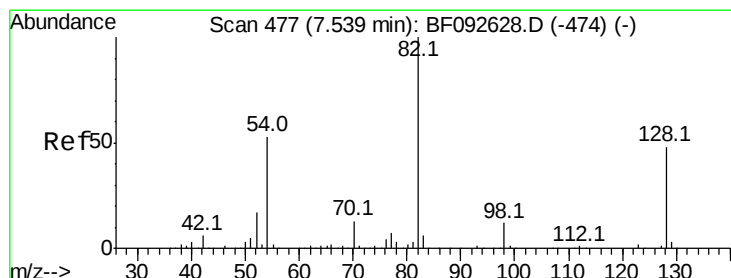
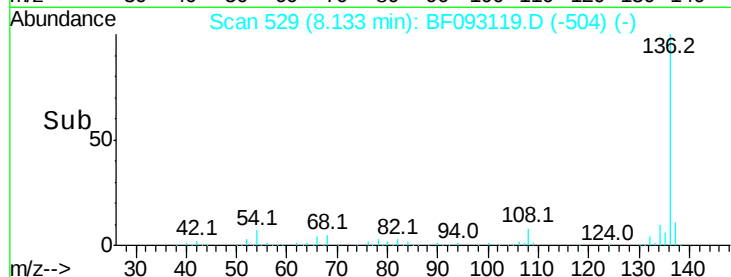
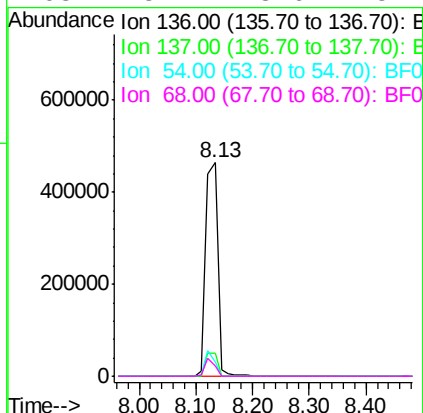
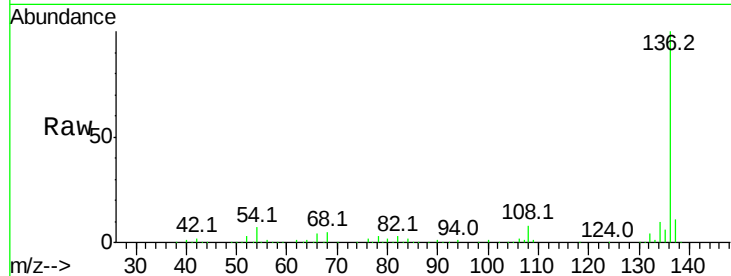




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: BF093119.D  
Acq: 23 Feb 2017 22:09

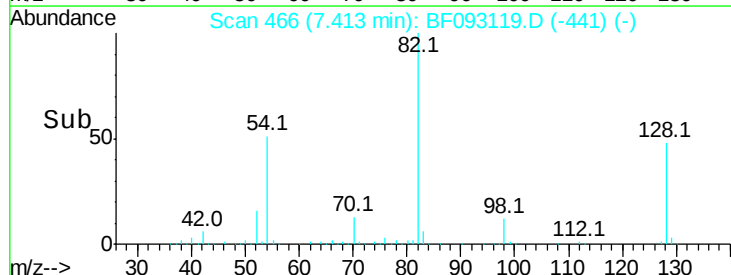
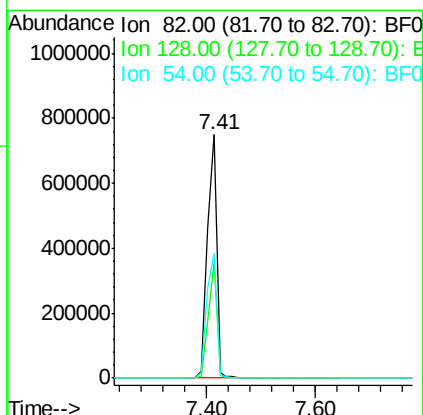
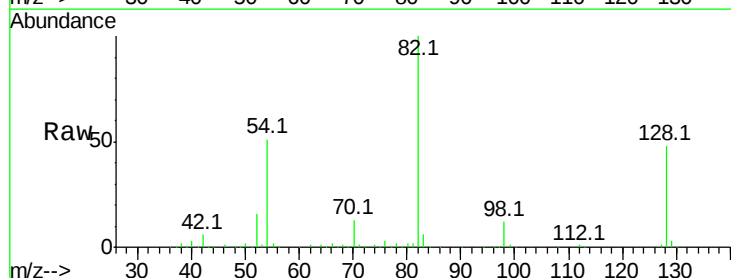
Instrument :  
BNA\_F  
ClientSampleId :  
CLP-S-06(5-10)

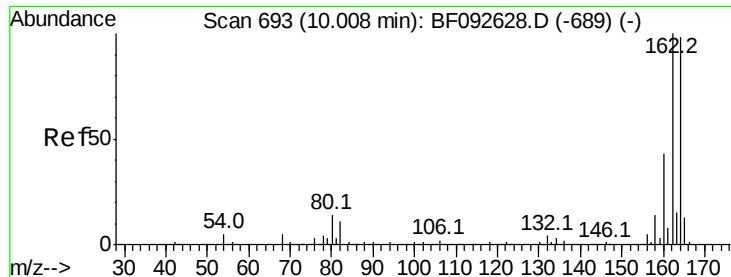
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 648330 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.4   | 12.6   |
| 54       | 6.7   | 4.5   | 6.7    |
| 68       | 5.1   | 3.6   | 5.4    |



#23  
Nitrobenzene-d5  
Concen: 75.03 ng  
RT: 7.41 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: BF093119.D  
Acq: 23 Feb 2017 22:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 873511 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.6  | 34.6  | 52.0   |
| 54       | 50.9  | 39.5  | 59.3   |

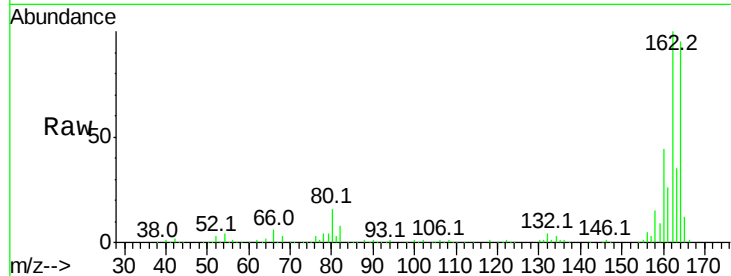




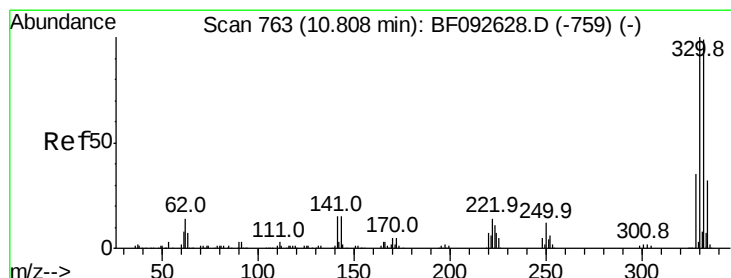
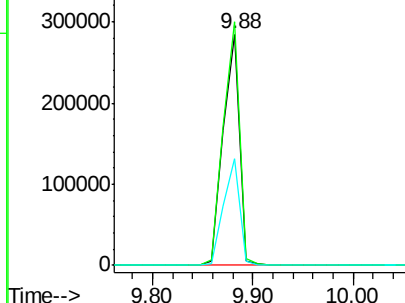
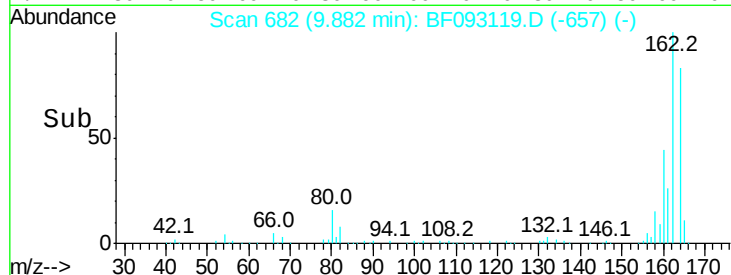
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF093119.D  
 Acq: 23 Feb 2017 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-06(5-10)

Tot Ion:164 Resp: 319514  
 Ion Ratio Lower Upper  
 164 100  
 162 105.5 80.2 120.2  
 160 46.2 36.9 55.3

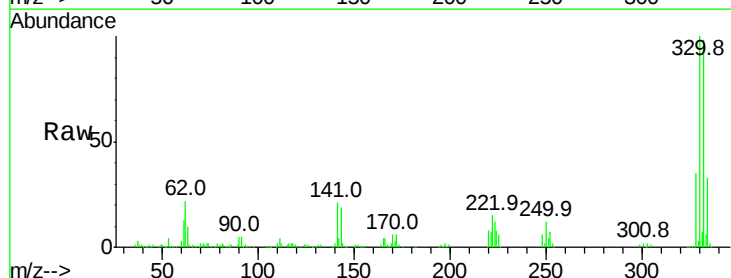


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

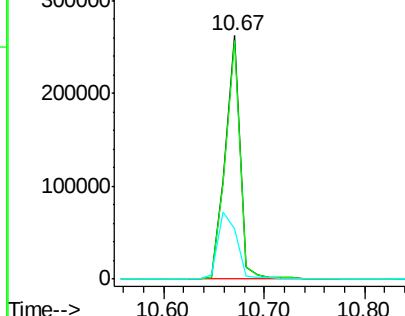
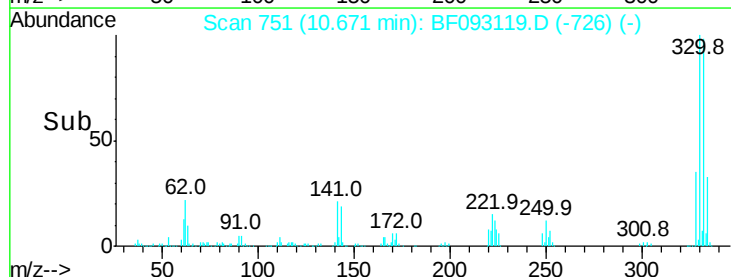


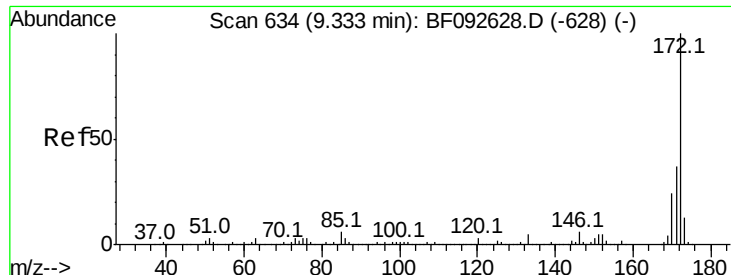
#41  
 2,4,6-Tribromophenol  
 Concen: 117.30 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF093119.D  
 Acq: 23 Feb 2017 22:09

Tgt Ion:330 Resp: 271061  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.4 116.2  
 141 34.9 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



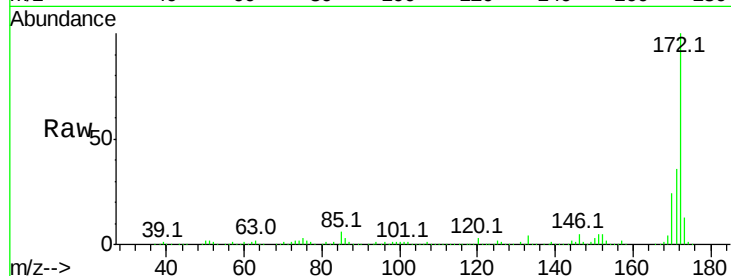


#44  
 2-Fluorobiphenyl  
 Concen: 73.04 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF093119.D  
 Acq: 23 Feb 2017 22:09

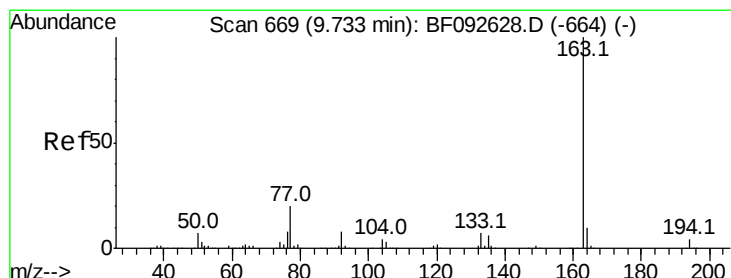
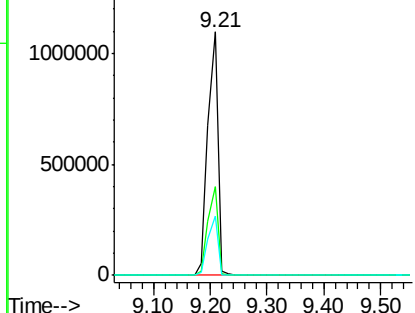
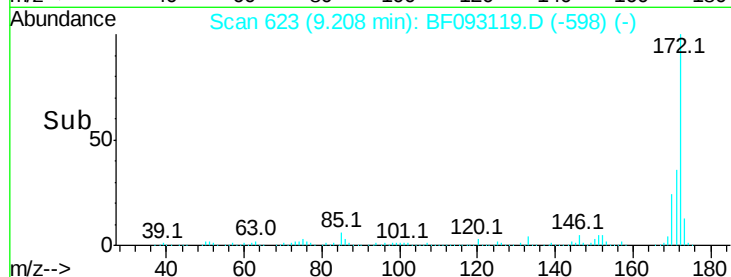
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLP-S-06(5-10)

Tot Ion:172 Resp: 1288162

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.4  | 44.0  |
| 170 | 24.2  | 20.2  | 30.4  |



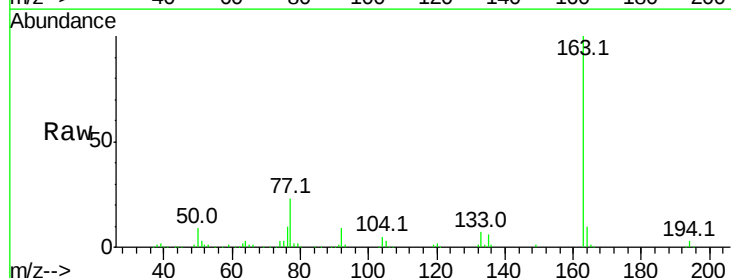
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



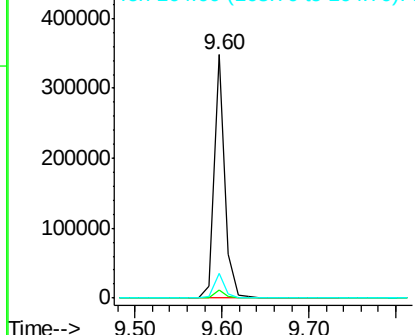
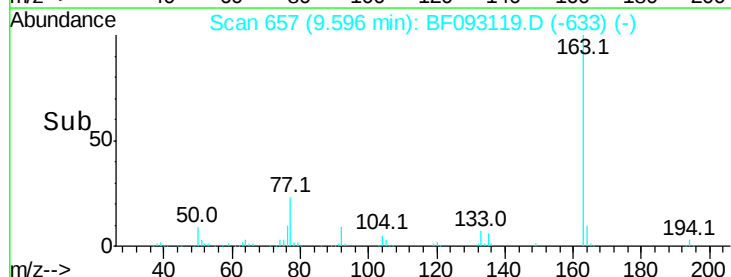
#49  
 Dimethylphthalate  
 Concen: 13.98 ng  
 RT: 9.60 min Scan# 657  
 Delta R.T. -0.02 min  
 Lab File: BF093119.D  
 Acq: 23 Feb 2017 22:09

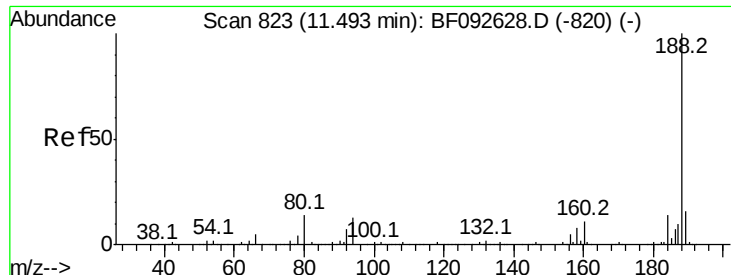
Tgt Ion:163 Resp: 300844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 3.0   | 4.4   |
| 164 | 10.3  | 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

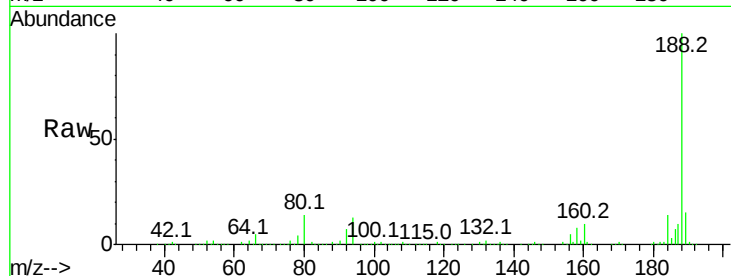




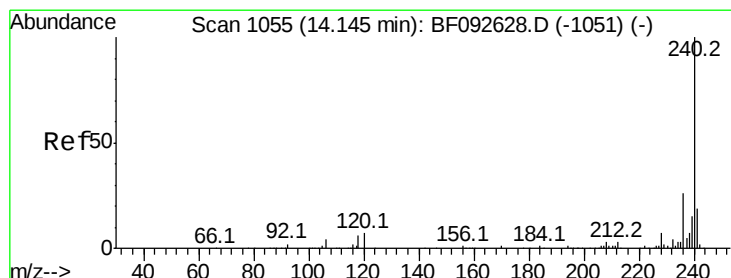
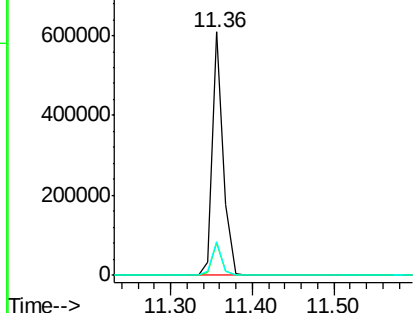
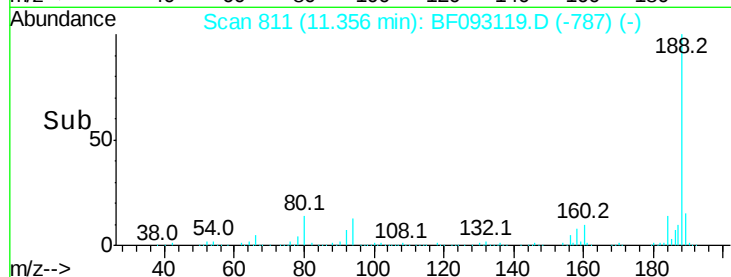
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BF093119.D  
Acq: 23 Feb 2017 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
CLP-S-06(5-10)

Tot Ion:188 Resp: 572452  
Ion Ratio Lower Upper  
188 100  
94 13.3 10.0 15.0  
80 14.0 11.2 16.8

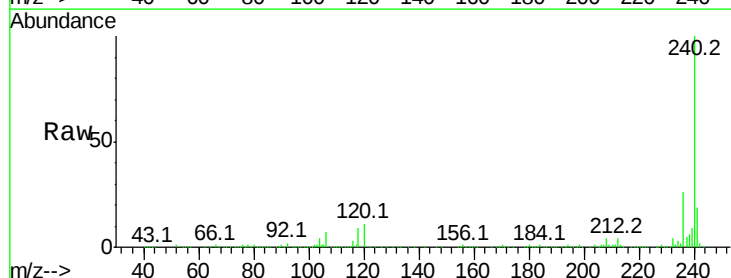


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

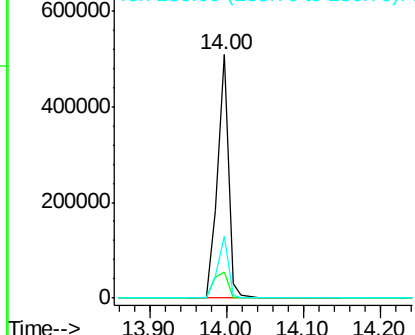
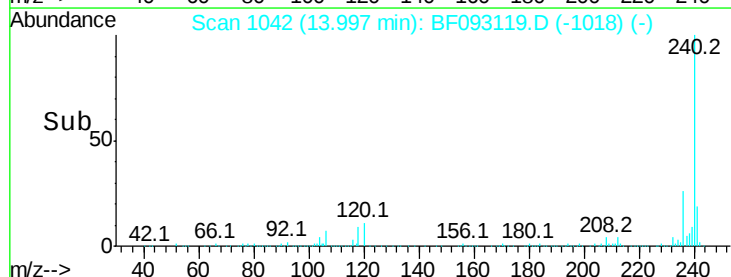


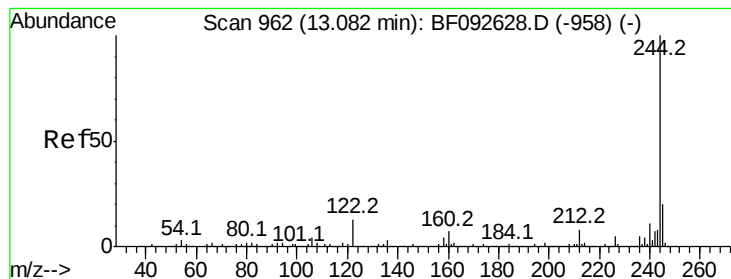
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1042  
Delta R.T. -0.02 min  
Lab File: BF093119.D  
Acq: 23 Feb 2017 22:09

Tgt Ion:240 Resp: 506158  
Ion Ratio Lower Upper  
240 100  
120 10.5 12.9 19.3#  
236 25.5 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





#78

Terphenyl-d14

Concen: 50.40 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093119.D

Acq: 23 Feb 2017 22:09

Instrument :

BNA\_F

ClientSampleId :

CLP-S-06(5-10)

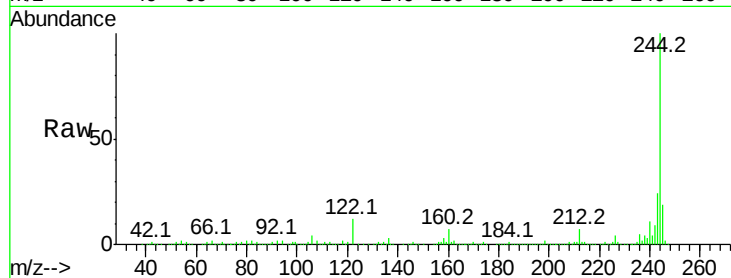
Tot Ion:244 Resp: 1085798

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

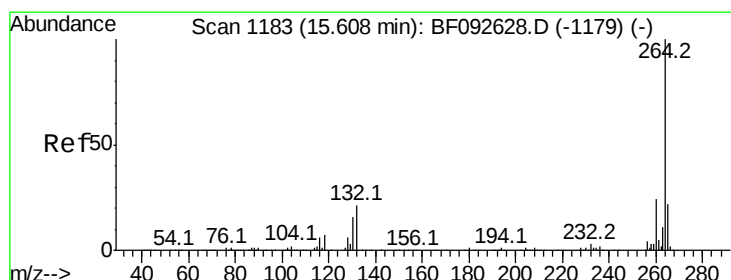
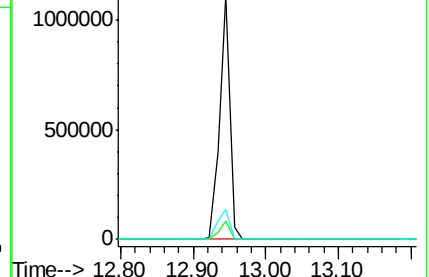
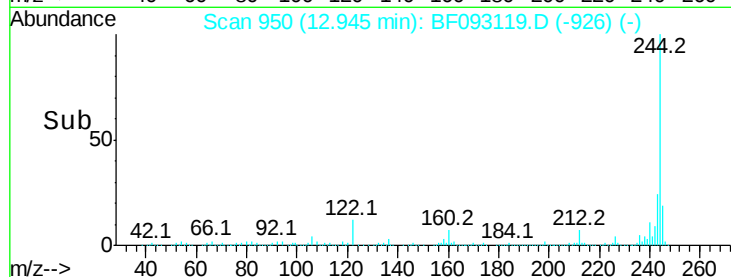
122 12.0 11.4 17.2



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: BF093119.D

Acq: 23 Feb 2017 22:09

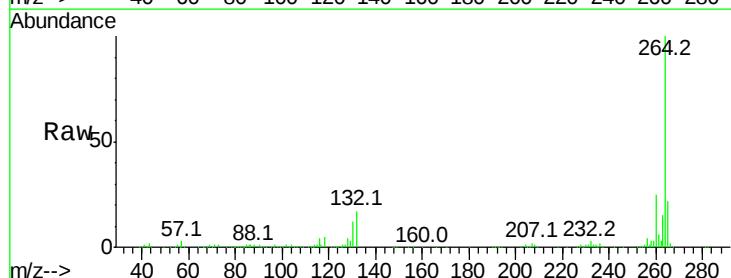
Tgt Ion:264 Resp: 341297

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.8 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

