

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\  
 Data File : BF092498.D  
 Acq On : 26 Jan 2017 1:10  
 Operator : SJ/MA  
 Sample : I1351-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-SB-01-68-70

Quant Time: Jan 26 11:10:23 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

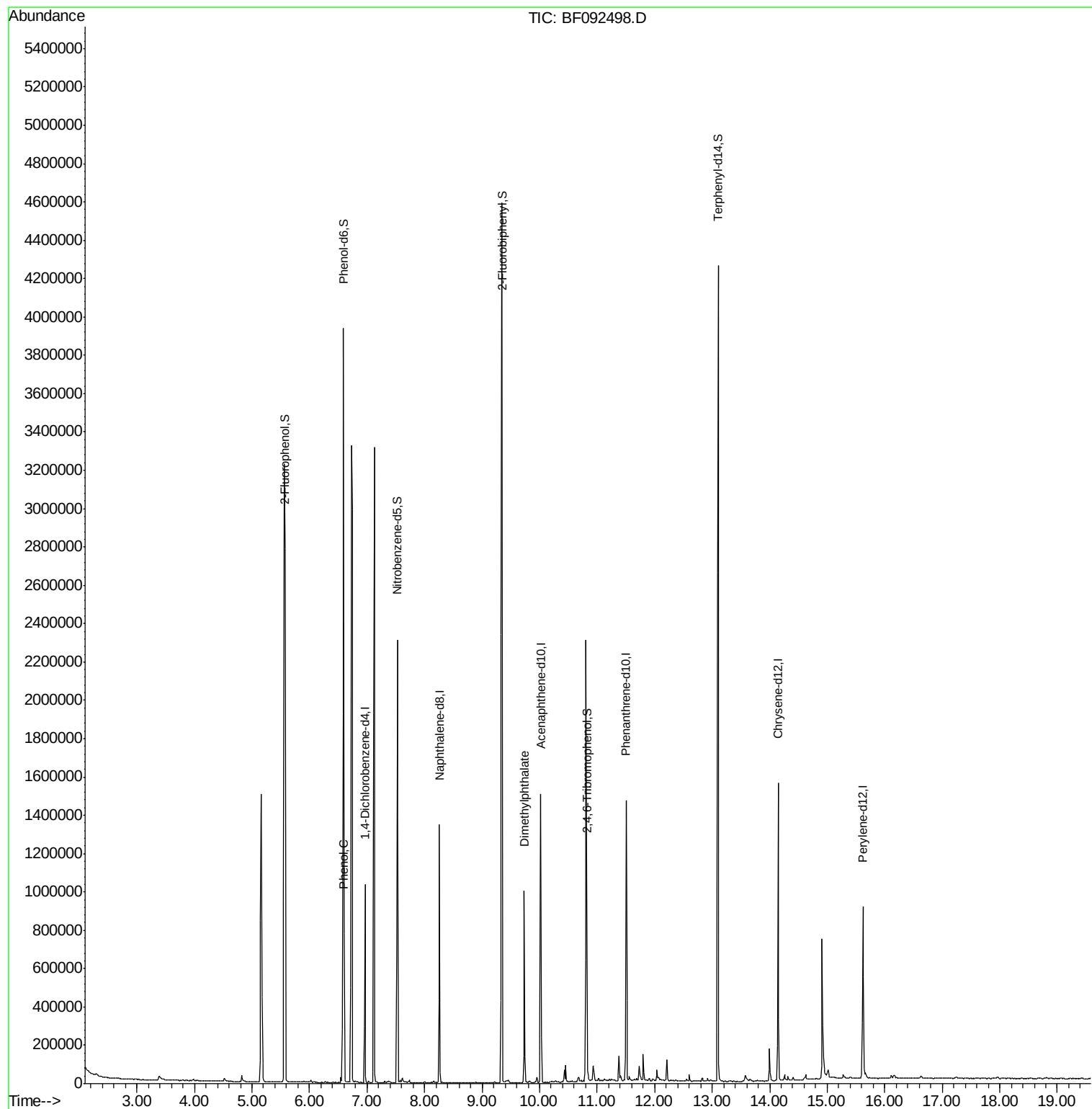
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 151848   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.26  | 136  | 614527   | 20.00  | ng    | -0.01       |
| 38) Acenaphthene-d10        | 10.02 | 164  | 322293   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.50 | 188  | 550776   | 20.00  | ng    | -0.02       |
| 75) Chrysene-d12            | 14.15 | 240  | 512677   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12            | 15.62 | 264  | 452203   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.57  | 112  | 1367683  | 140.13 | ng    | 0.02        |
| 7) Phenol-d6                | 6.59  | 99   | 1499630  | 120.63 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1007759  | 89.58  | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 344383   | 156.80 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1710297  | 98.13  | ng    | -0.01       |
| 78) Terphenyl-d14           | 13.11 | 244  | 1610085  | 83.63  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.60  | 94   | 131554   | 8.77   | ng    | Qvalue # 70 |
| 49) Dimethylphthalate       | 9.73  | 163  | 391534   | 19.10  | ng    | 99          |

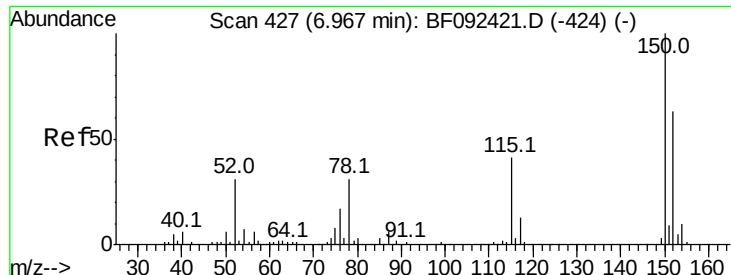
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-SB-01-68-70

Quant Time: Jan 26 11:10:23 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 24 13:48:07 2017  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

Instrument :

BNA\_F

ClientSampleId :

CAS-SB-01-68-70

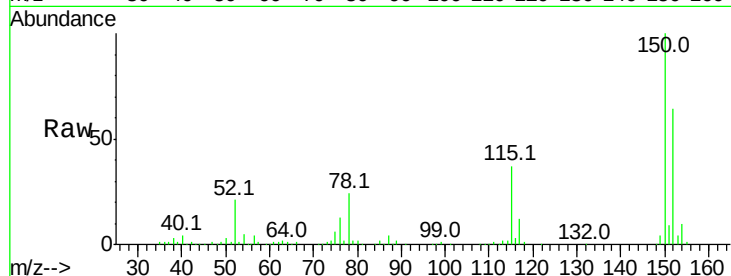
Tot Ion:152 Resp: 151848

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

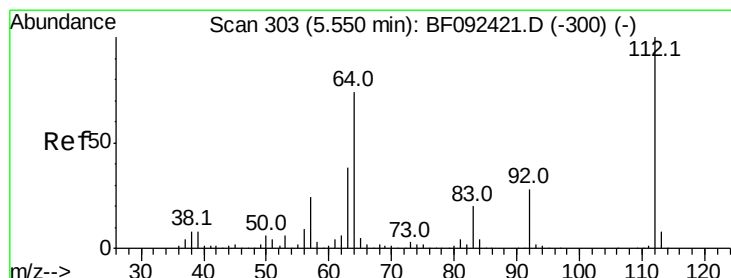
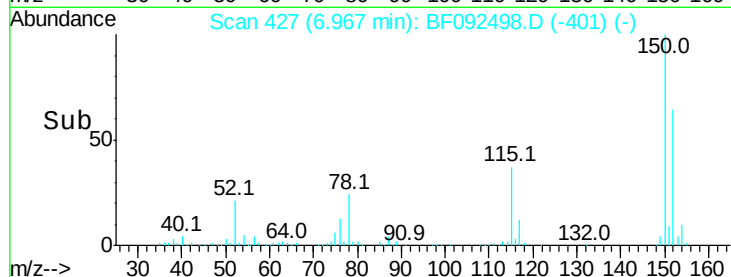
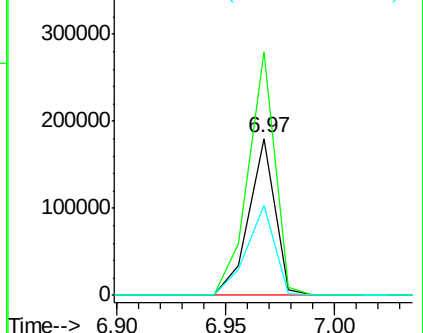
115 57.1 46.0 69.0



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: 140.13 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

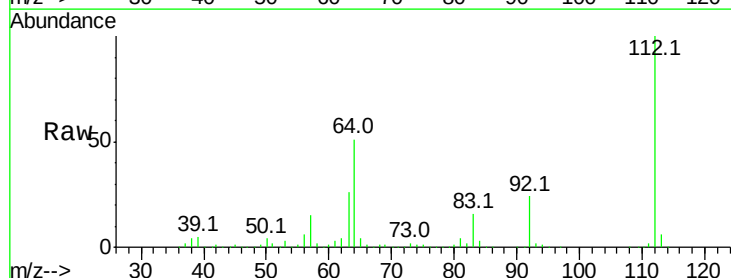
Tgt Ion:112 Resp: 1367683

Ion Ratio Lower Upper

112 100

64 50.6 46.1 69.1

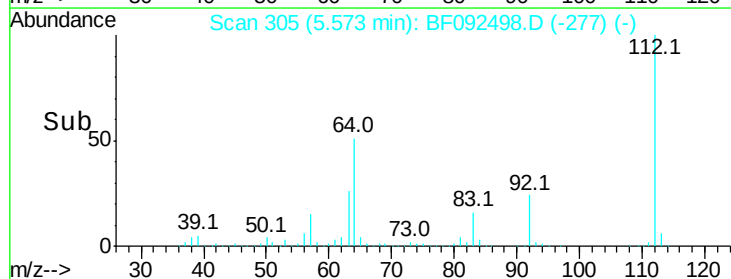
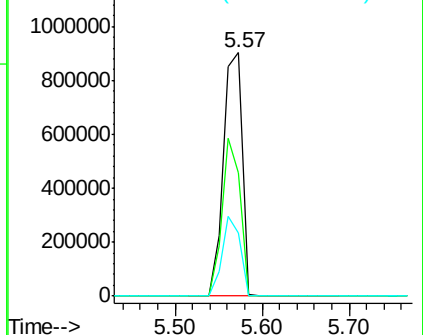
63 25.7 23.8 35.6

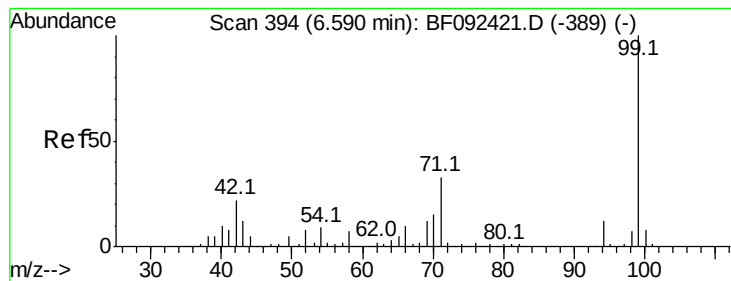


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.63 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

Instrument :

BNA\_F

ClientSampleId :

CAS-SB-01-68-70

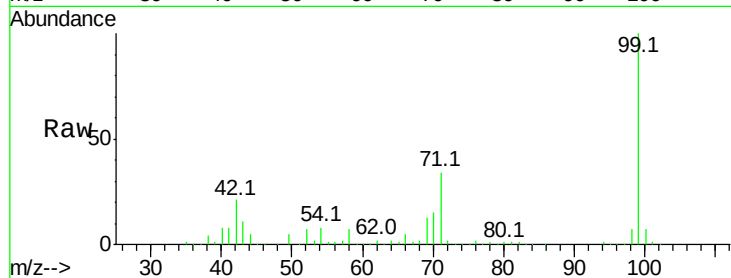
Tot Ion: 99 Resp: 1499630

Ion Ratio Lower Upper

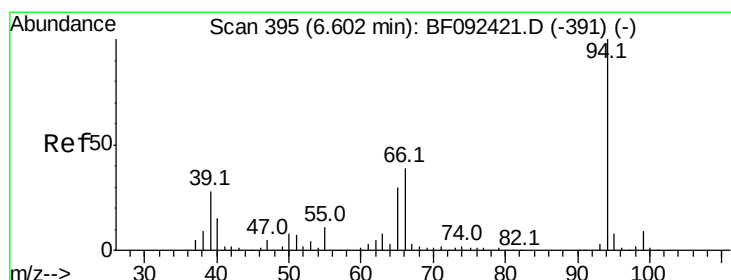
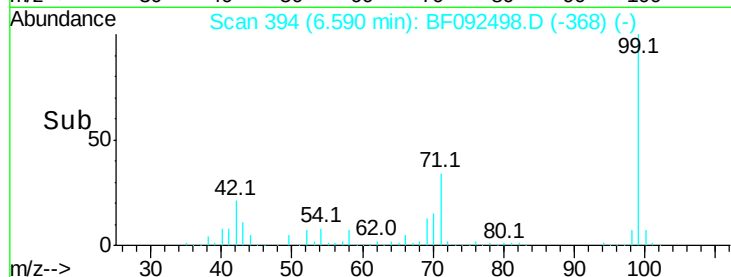
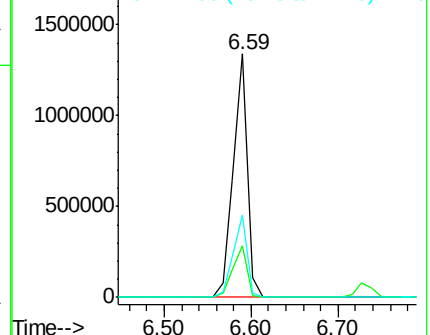
99 100

42 21.4 15.6 23.4

71 33.8 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: 8.77 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

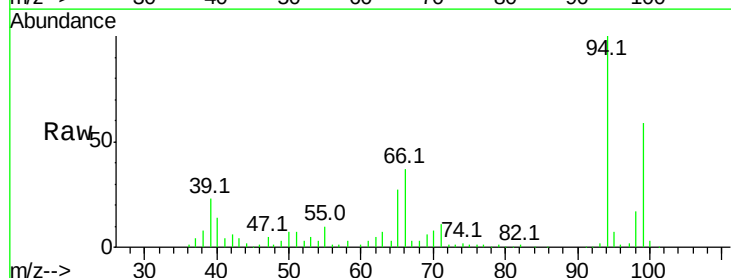
Tgt Ion: 94 Resp: 131554

Ion Ratio Lower Upper

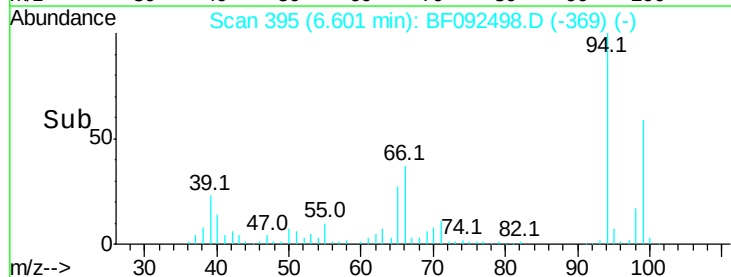
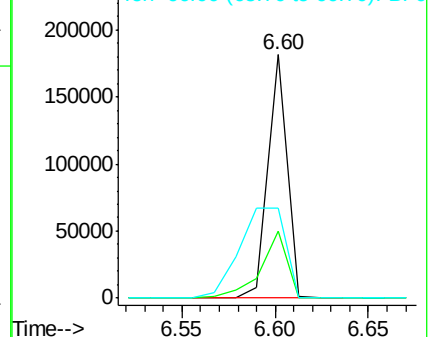
94 100

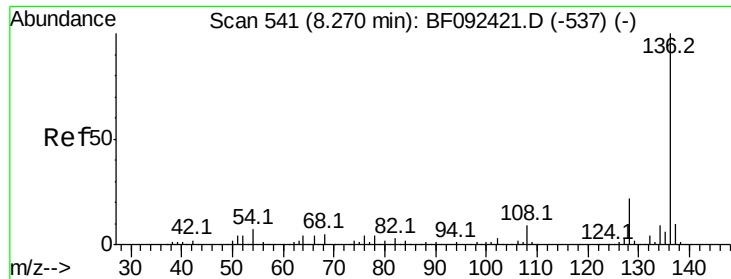
65 27.3 21.4 61.4

66 37.0 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

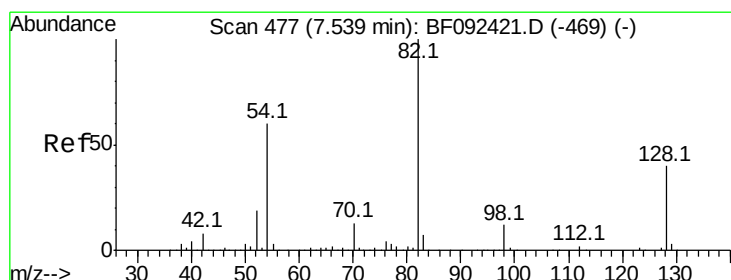
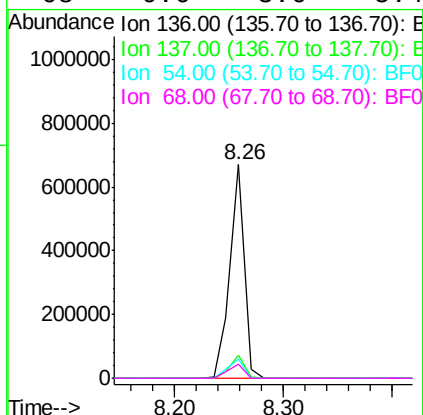
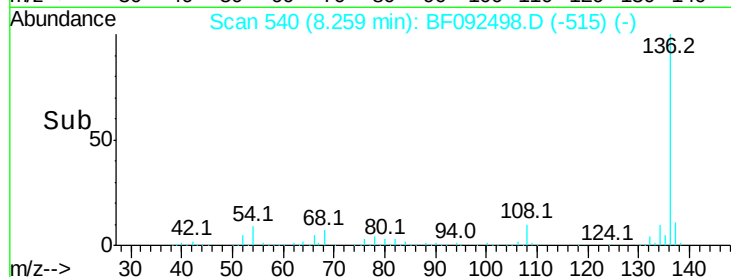
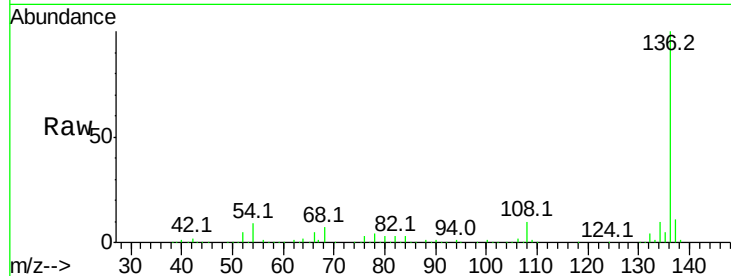




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.26 min Scan# 540  
Delta R.T. -0.01 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

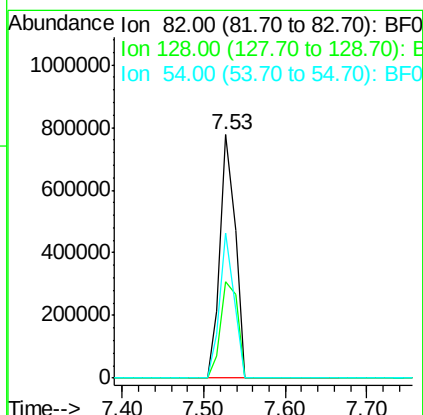
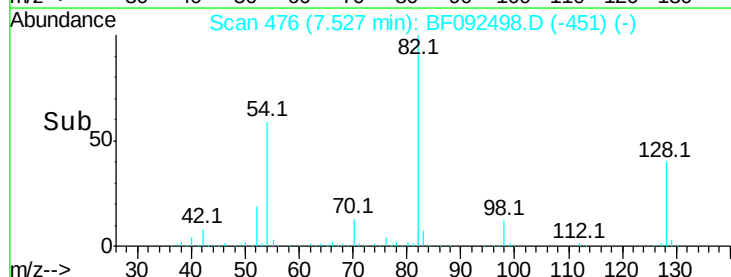
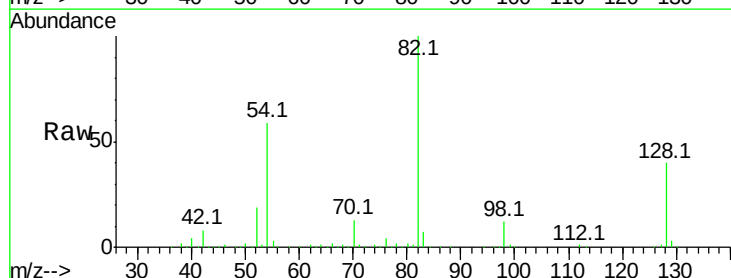
Instrument :  
BNA\_F  
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CAS-SB-01-68-70

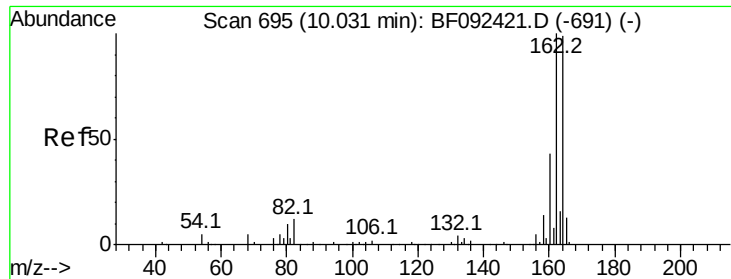
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 614527 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.4   | 12.6   |
| 54       | 9.3   | 4.5   | 6.7#   |
| 68       | 6.6   | 3.6   | 5.4#   |



#23  
Nitrobenzene-d5  
Concen: 89.58 ng  
RT: 7.53 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1007759 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 39.8  | 34.6  | 52.0    |
| 54       | 59.5  | 39.5  | 59.3#   |

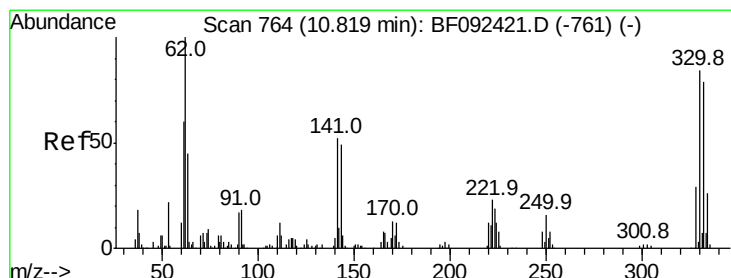
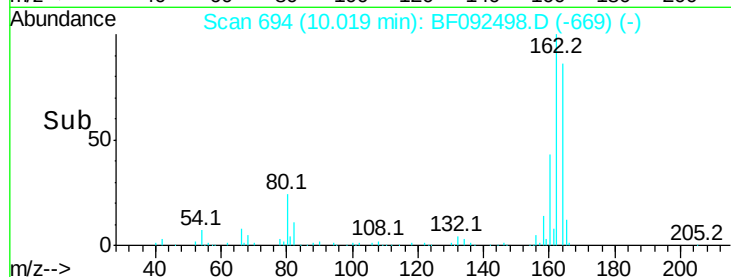
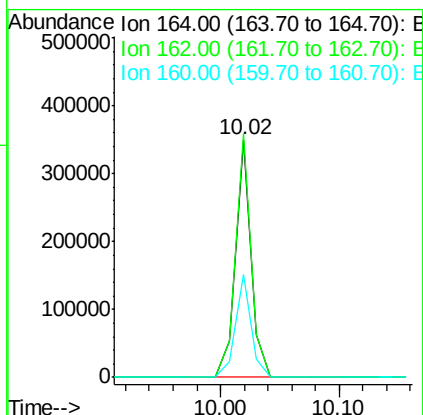
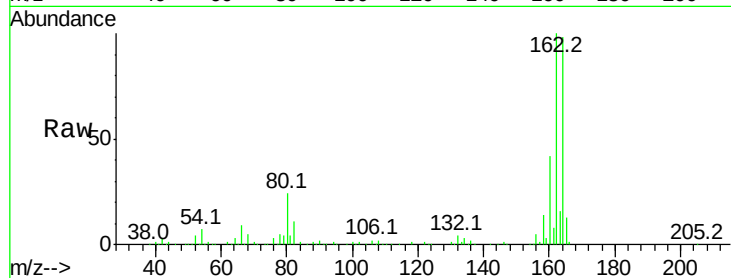




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. -0.01 min  
 Lab File: BF092498.D  
 Acq: 26 Jan 2017 1:10

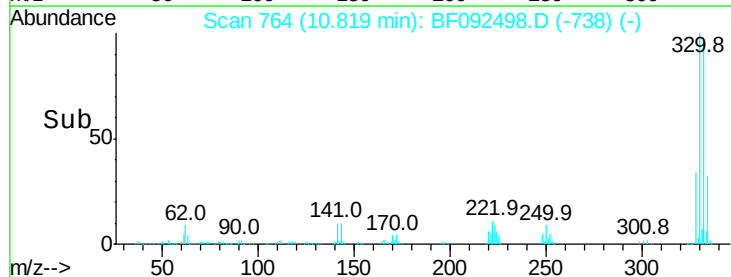
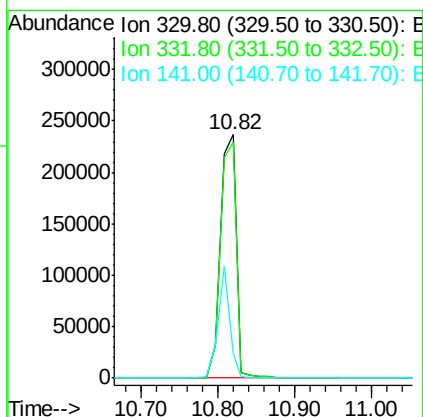
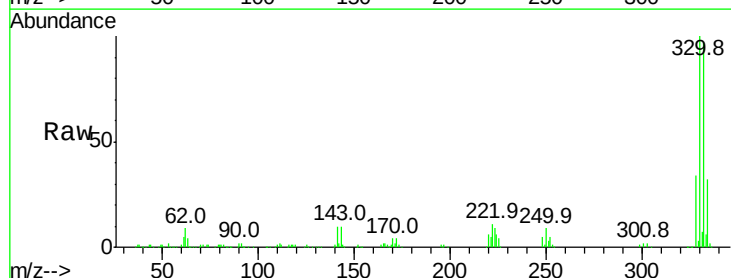
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-SB-01-68-70

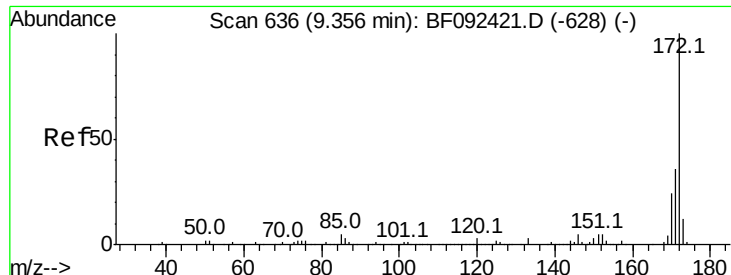
Tot Ion:164 Resp: 322293  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 80.2 120.2  
 160 43.4 36.9 55.3



#41  
 2,4,6-Tribromophenol  
 Concen: 156.80 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF092498.D  
 Acq: 26 Jan 2017 1:10

Tgt Ion:330 Resp: 344383  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.4 116.2  
 141 34.2 34.1 51.1

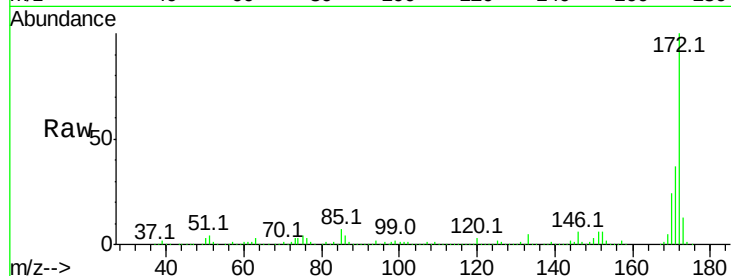




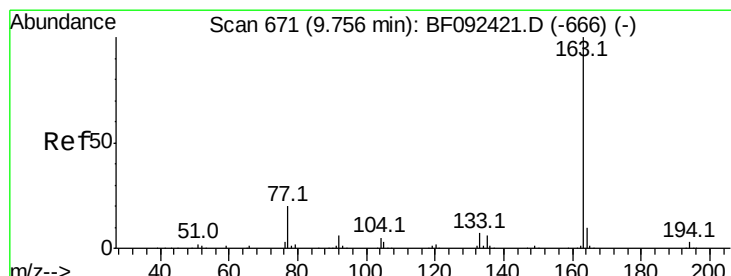
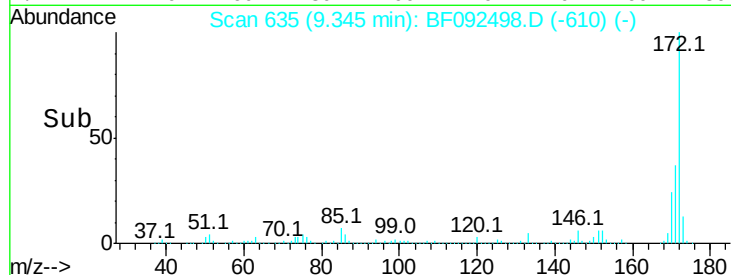
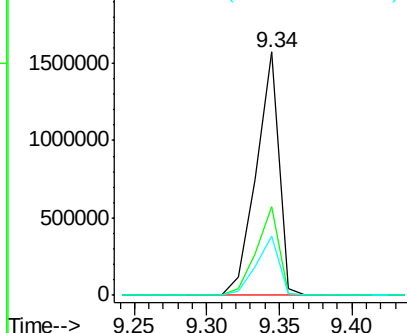
#44  
2-Fluorobiphenyl  
Concen: 98.13 ng  
RT: 9.34 min Scan# 635  
Delta R.T. -0.01 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-SB-01-68-70

Tot Ion:172 Resp: 1710297  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.4 44.0  
170 24.4 20.2 30.4

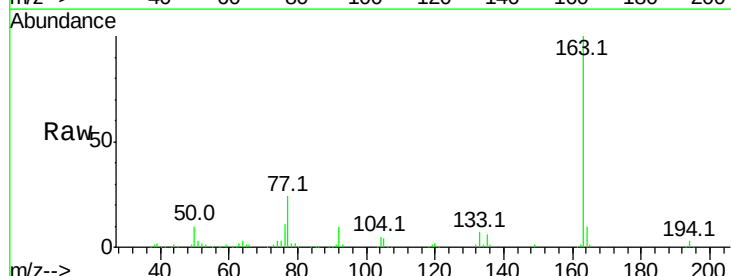


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

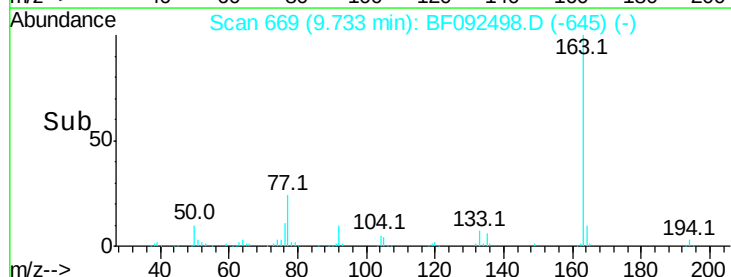
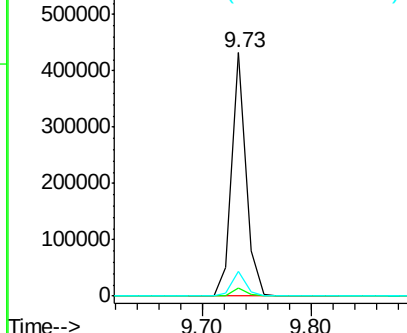


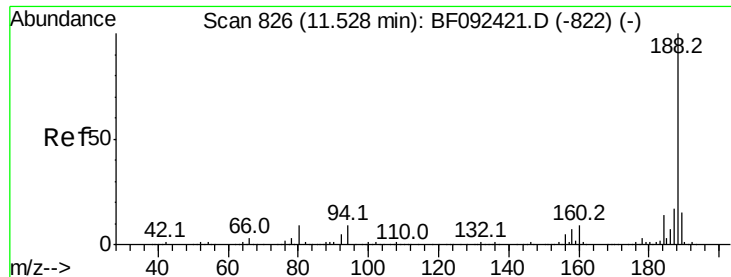
#49  
Dimethylphthalate  
Concen: 19.10 ng  
RT: 9.73 min Scan# 669  
Delta R.T. -0.02 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

Tgt Ion:163 Resp: 391534  
Ion Ratio Lower Upper  
163 100  
194 3.1 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

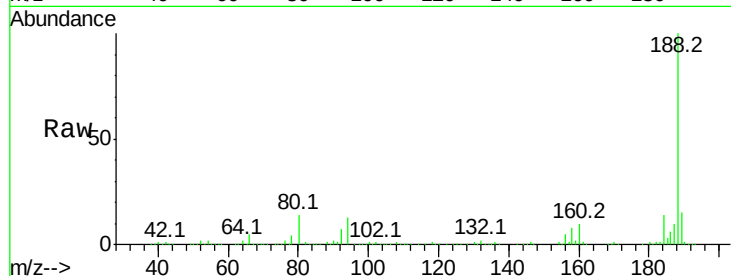




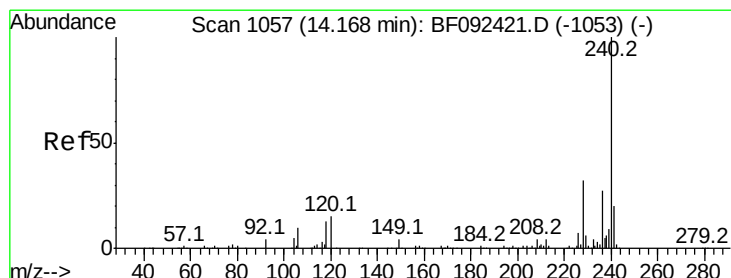
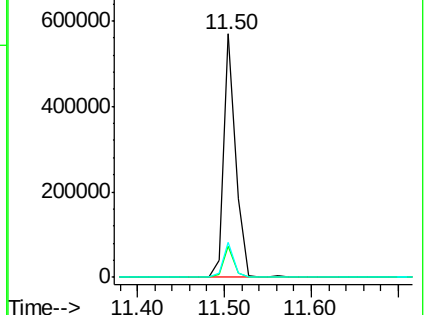
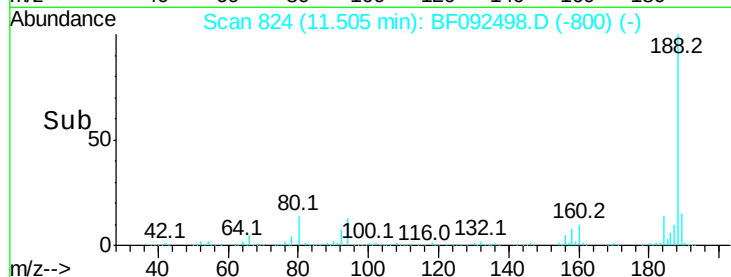
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.50 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

Instrument :  
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Tot Ion:188 Resp: 550776  
Ion Ratio Lower Upper  
188 100  
94 12.8 10.0 15.0  
80 14.1 11.2 16.8

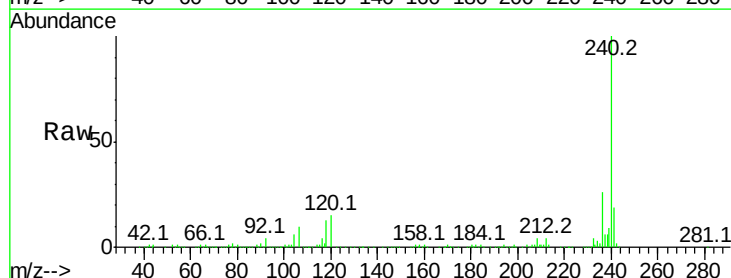


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

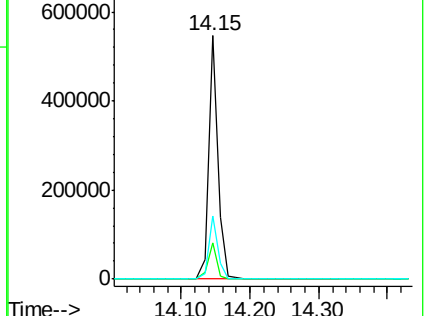
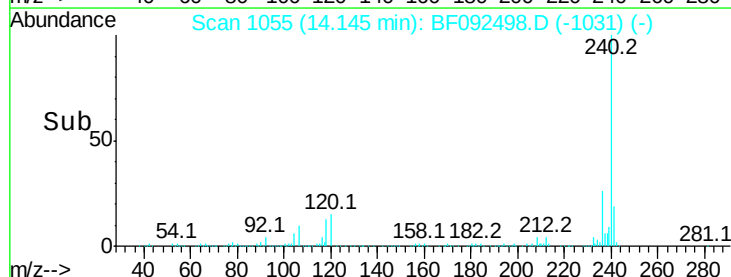


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.15 min Scan# 1055  
Delta R.T. -0.02 min  
Lab File: BF092498.D  
Acq: 26 Jan 2017 1:10

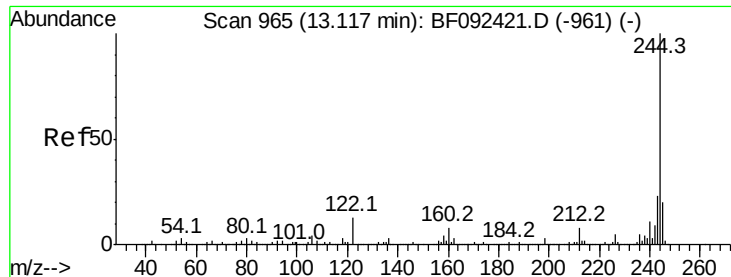
Tgt Ion:240 Resp: 512677  
Ion Ratio Lower Upper  
240 100  
120 14.9 12.9 19.3  
236 26.2 20.9 31.3



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: 83.63 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

Instrument :

BNA\_F

ClientSampleId :

CAS-SB-01-68-70

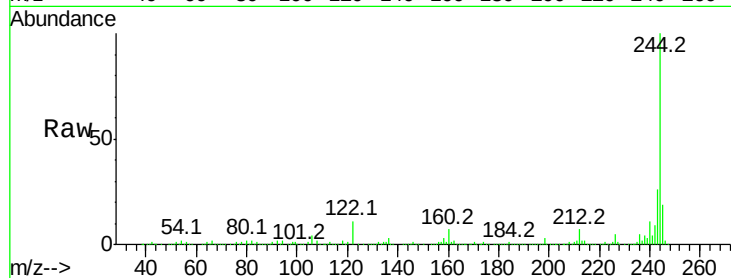
Tot Ion:244 Resp: 1610085

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

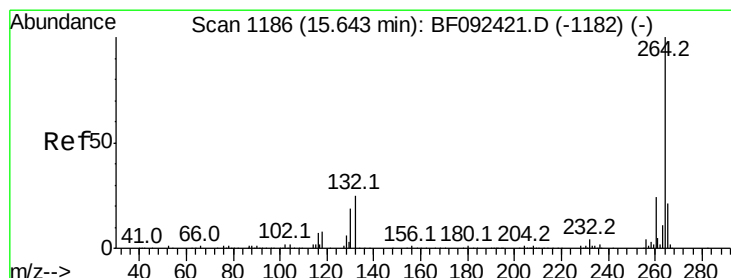
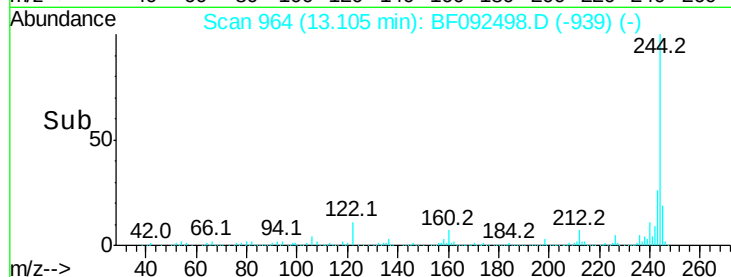
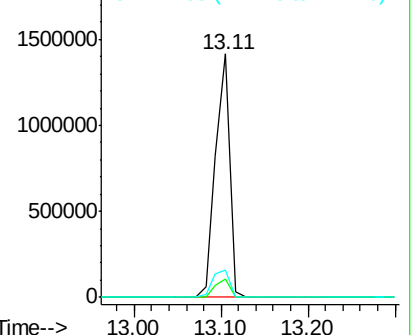
122 11.0 11.4 17.2#



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: 15.62 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF092498.D

Acq: 26 Jan 2017 1:10

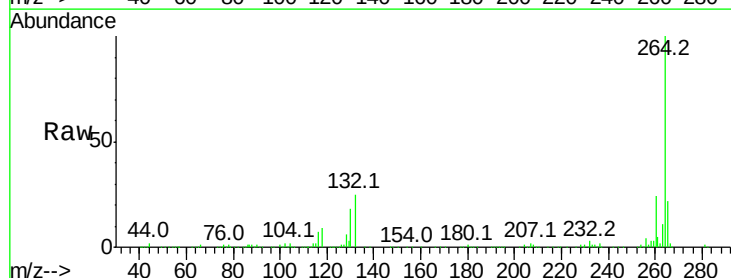
Tgt Ion:264 Resp: 452203

Ion Ratio Lower Upper

264 100

260 23.8 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

