

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\  
 Data File : BF098423.D  
 Acq On : 12 Sep 2017 1:02  
 Operator : SJ/JU  
 Sample : I5138-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-UTS-TS006-01

Quant Time: Sep 12 03:40:40 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 11 19:42:20 2017  
 Response via : Initial Calibration

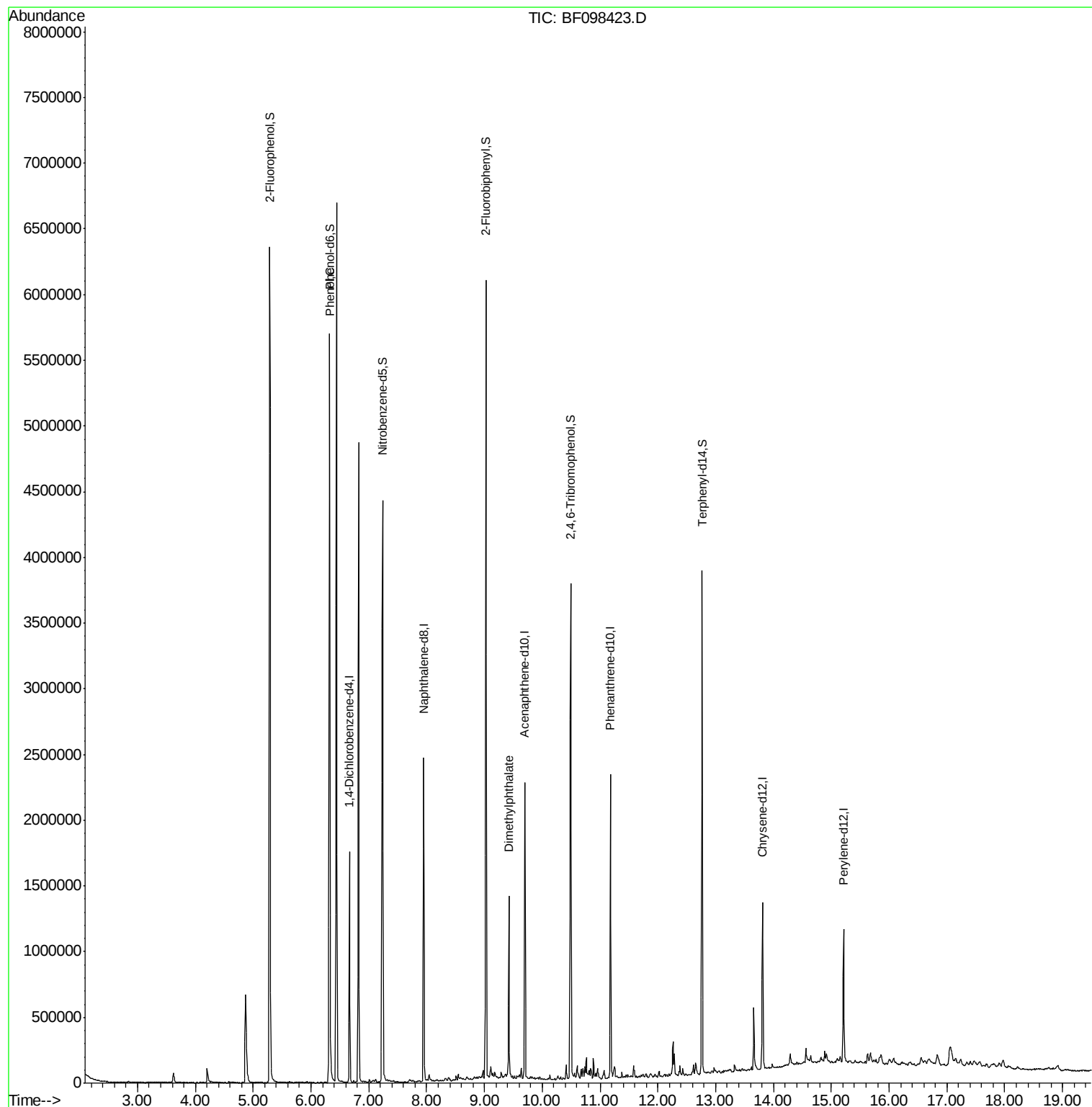
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 242028   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 1008860  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.70  | 164  | 434378   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.18 | 188  | 713494   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.81 | 240  | 391918   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.21 | 264  | 394895   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 2006501  | 122.58 | ng    | 0.01     |
| 7) Phenol-d6                | 6.32  | 99   | 2516566  | 121.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 1575117  | 87.04  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 391945   | 135.19 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 1835916  | 71.64  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.76 | 244  | 1177469  | 64.85  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.33  | 94   | 148185   | 6.138  | ng    | 98       |
| 49) Dimethylphthalate       | 9.42  | 163  | 492994   | 14.662 | ng    | 100      |

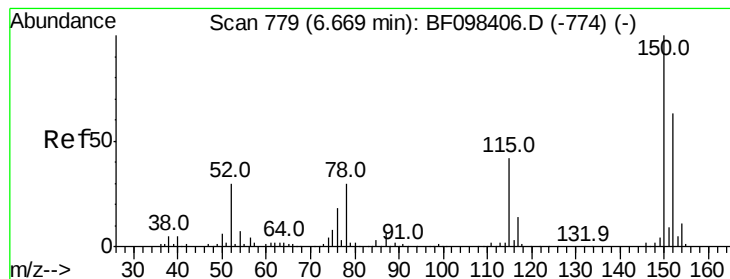
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\  
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Operator : SJ/JU  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS006-01

Quant Time: Sep 12 03:40:40 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 11 19:42:20 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS006-01

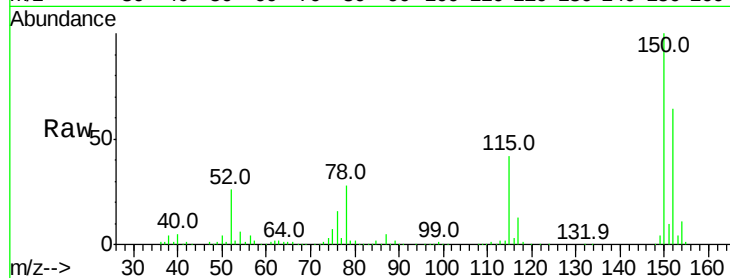
Tot Ion:152 Resp: 242028

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.2

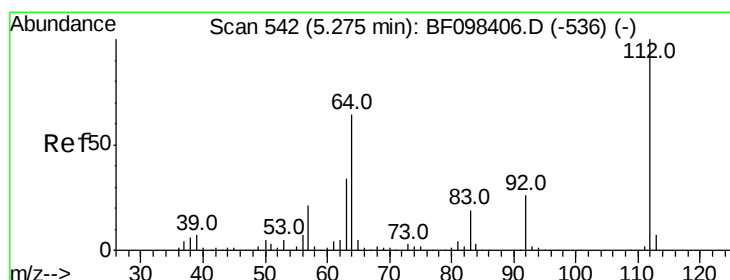
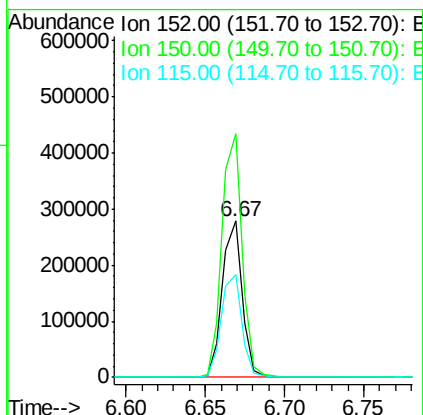
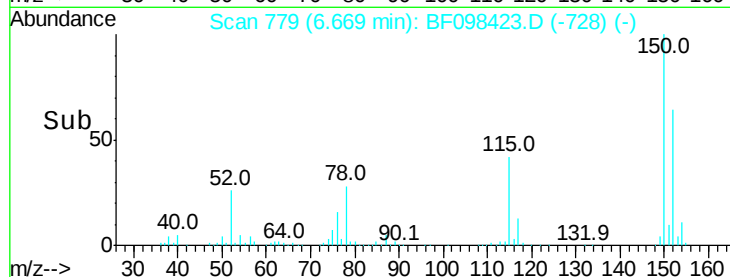
115 65.4 52.2 78.2



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: 122.575 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

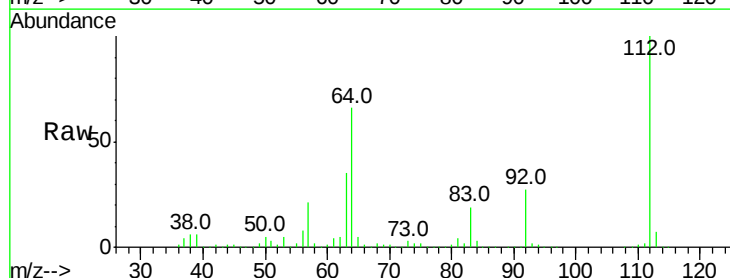
Tgt Ion:112 Resp: 2006501

Ion Ratio Lower Upper

112 100

64 66.0 46.0 69.0

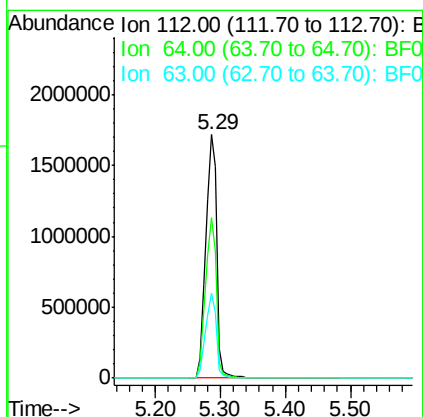
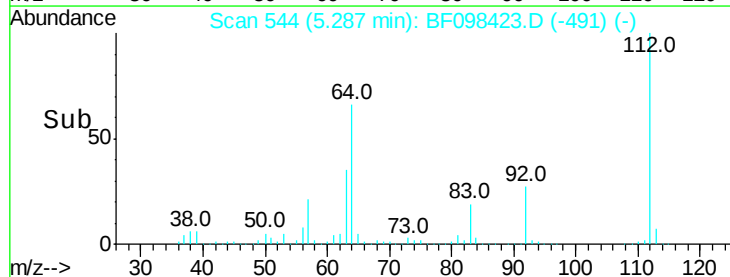
63 34.9 23.4 35.0



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: 121.083 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS006-01

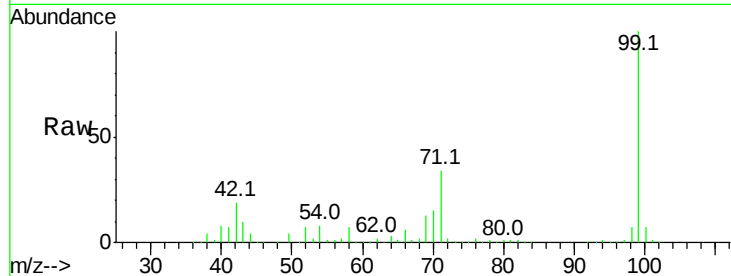
Tot Ion: 99 Resp: 2516566

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 13.5  | 20.3  |
| 71  | 34.1  | 24.5  | 36.7  |

99 100

42 19.3 13.5 20.3

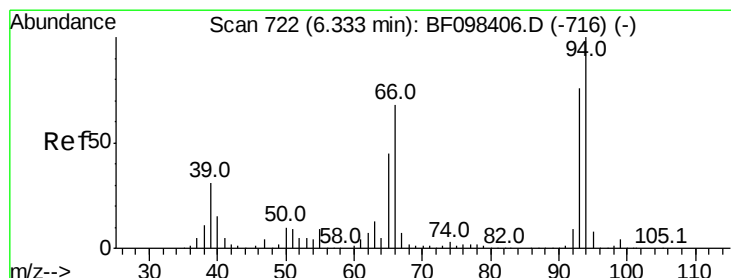
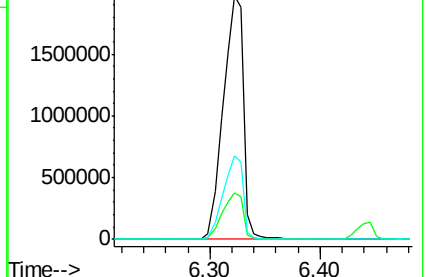
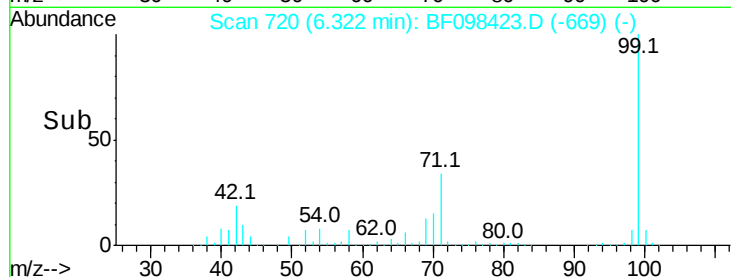
71 34.1 24.5 36.7



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: 6.138 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

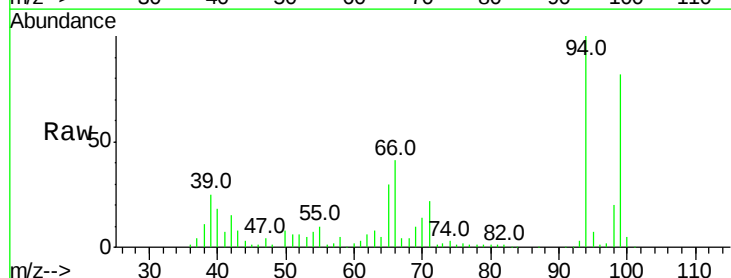
Tgt Ion: 94 Resp: 148185

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.4  | 9.9   | 49.9  |
| 66  | 41.5  | 23.1  | 63.1  |

94 100

65 30.4 9.9 49.9

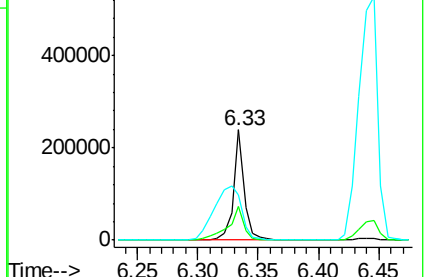
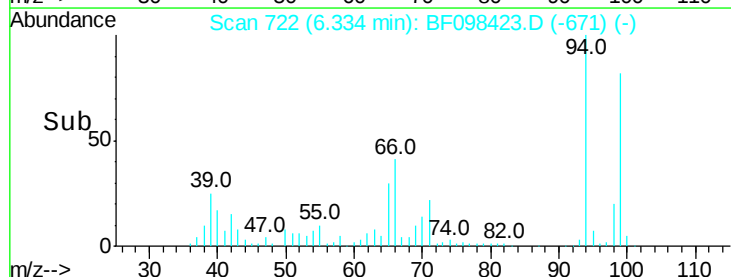
66 41.5 23.1 63.1



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

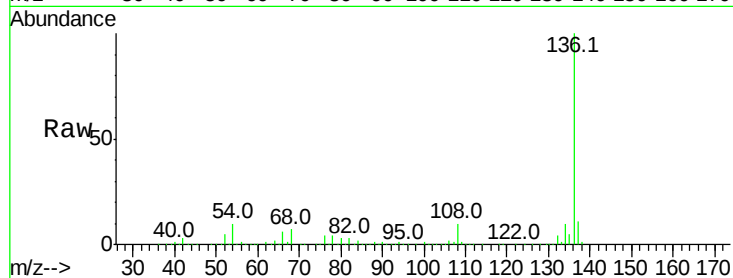




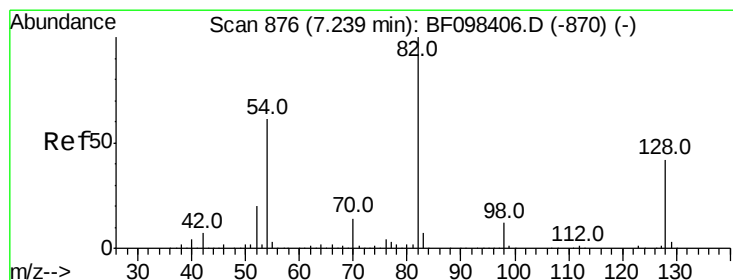
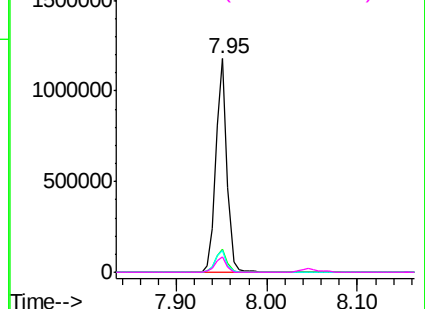
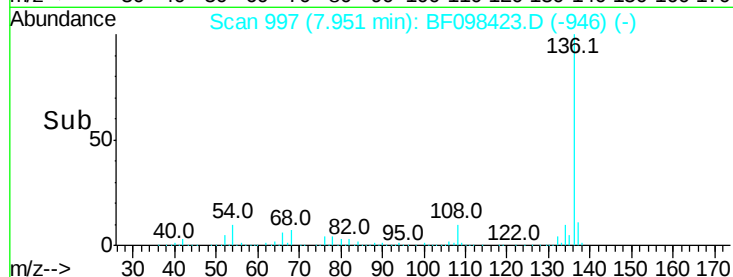
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.95 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: BF098423.D  
Acq: 12 Sep 2017 1:02

Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS006-01

Tot Ion:136 Resp: 1008860  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.5 12.7  
54 10.2 4.9 7.3#  
68 7.3 4.1 6.1#

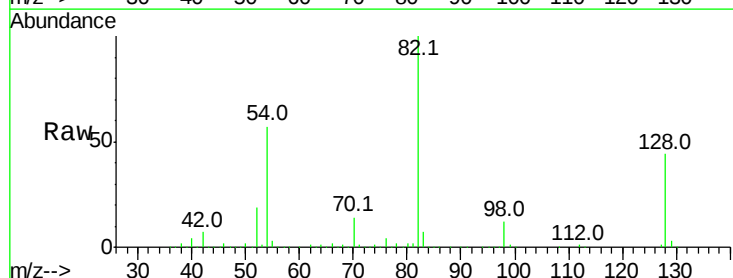


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

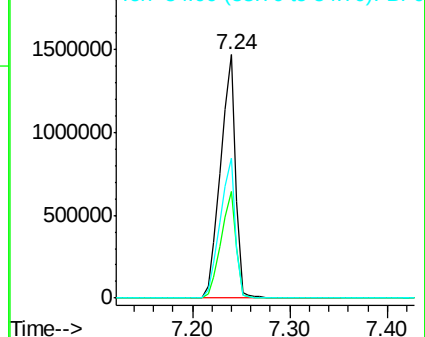
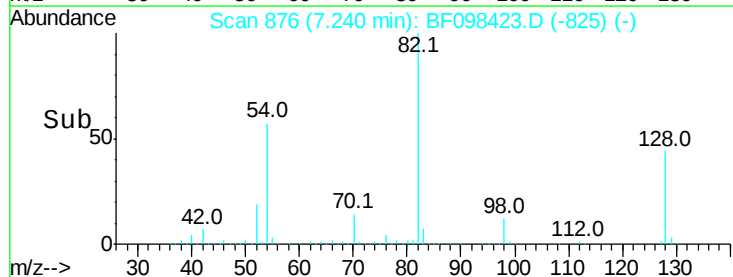


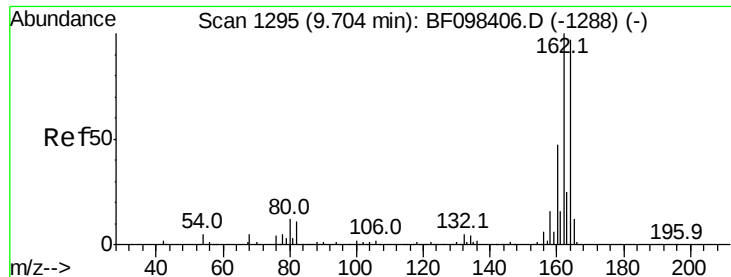
#23  
Nitrobenzene-d5  
Concen: 87.041 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: BF098423.D  
Acq: 12 Sep 2017 1:02

Tgt Ion: 82 Resp: 1575117  
Ion Ratio Lower Upper  
82 100  
128 43.5 34.0 51.0  
54 57.2 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: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS006-01

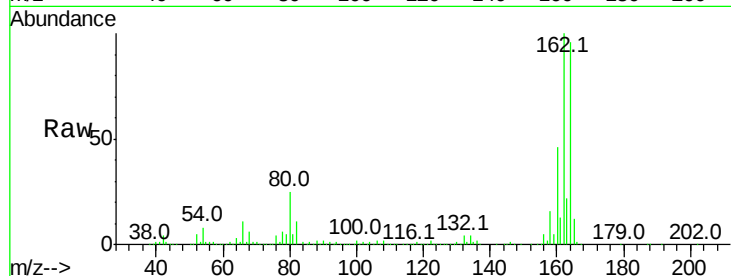
Tot Ion:164 Resp: 434378

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

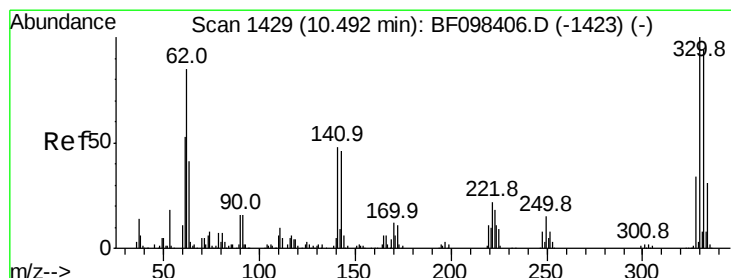
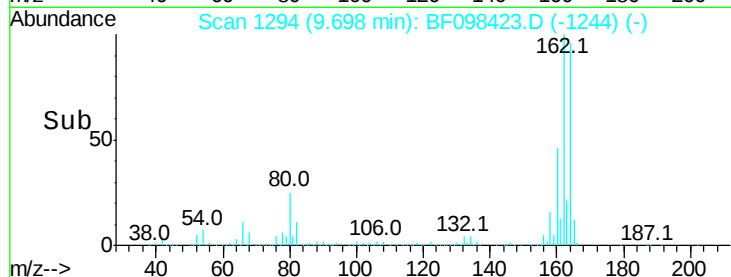
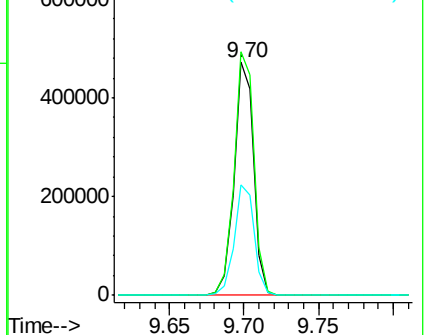
160 47.6 36.2 54.2



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: 135.194 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

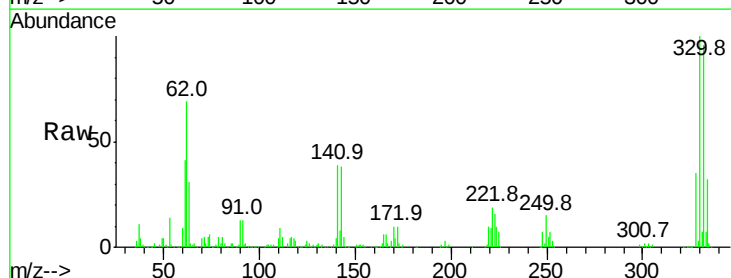
Tgt Ion:330 Resp: 391945

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

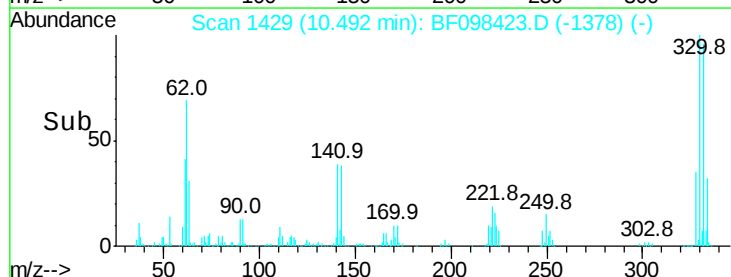
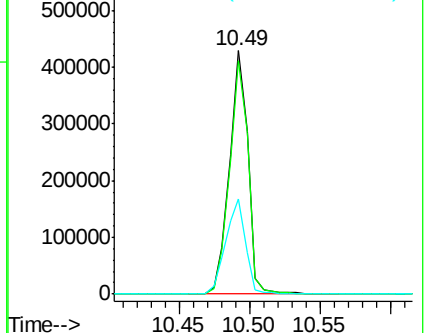
141 42.4 31.4 47.2

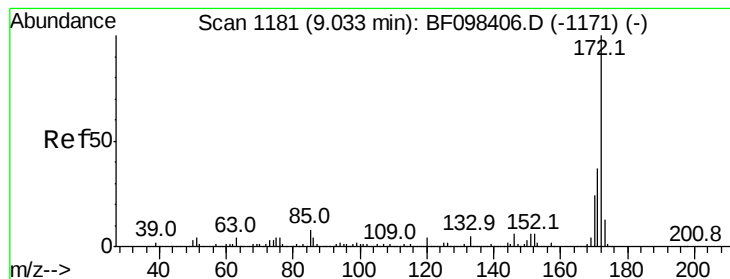


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 71.636 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Instrument :

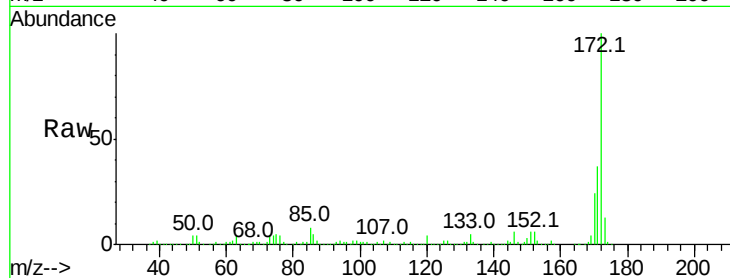
BNA\_F

ClientSampleId :

EME-UTS-TS006-01

Tot Ion:172 Resp: 1835916

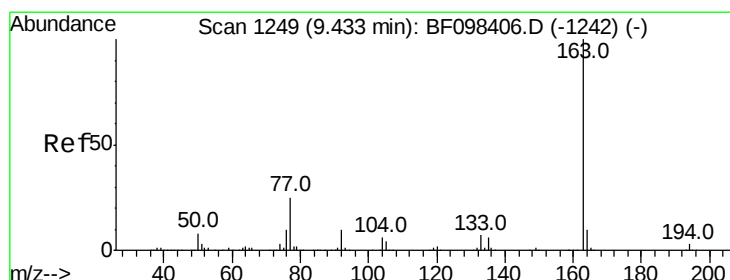
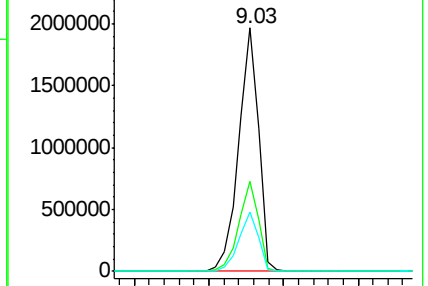
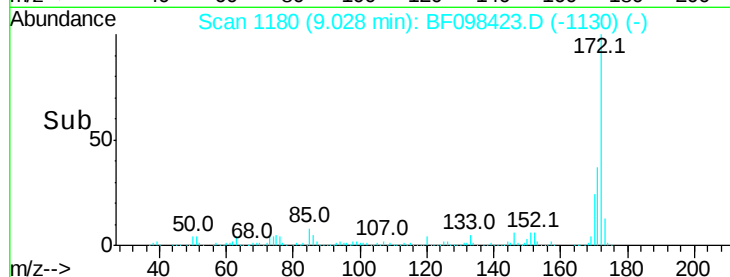
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 29.6  | 44.4  |
| 170 | 24.3  | 19.8  | 29.8  |



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: 14.662 ng

RT: 9.42 min Scan# 1247

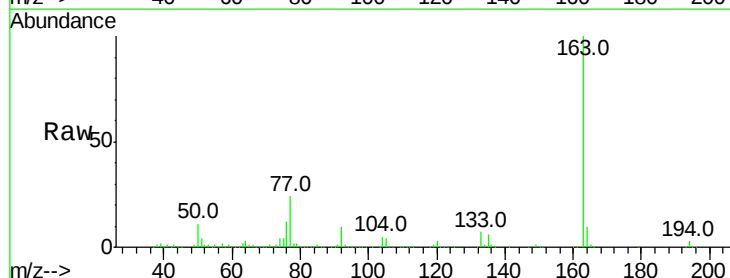
Delta R.T. -0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Tgt Ion:163 Resp: 492994

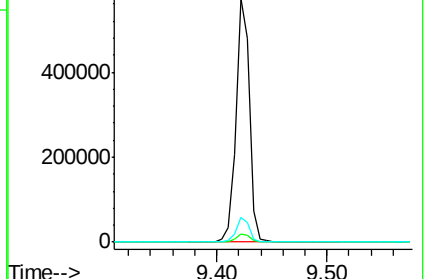
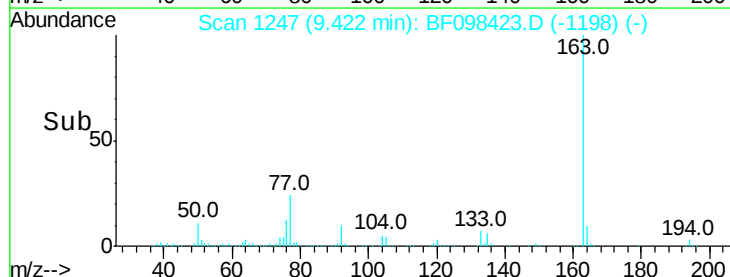
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.1   | 2.6   | 4.0   |
| 164 | 10.4  | 8.4   | 12.6  |

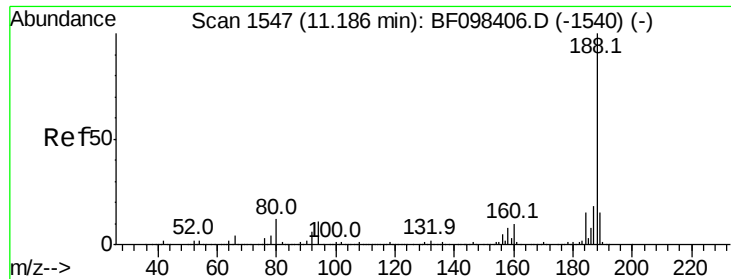


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

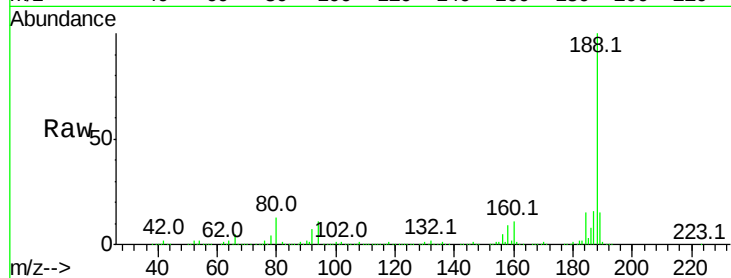




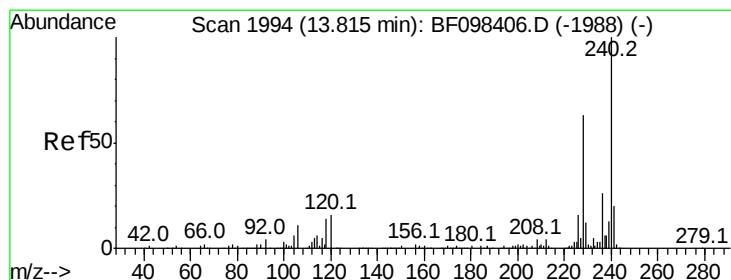
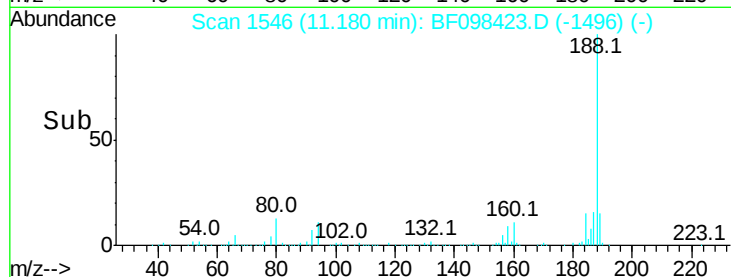
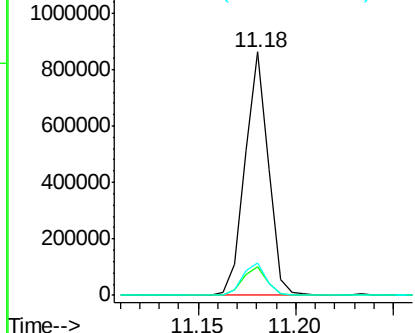
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.18 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BF098423.D  
Acq: 12 Sep 2017 1:02

Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS006-01

Tot Ion:188 Resp: 713494  
Ion Ratio Lower Upper  
188 100  
94 11.5 9.4 14.2  
80 13.3 10.2 15.2

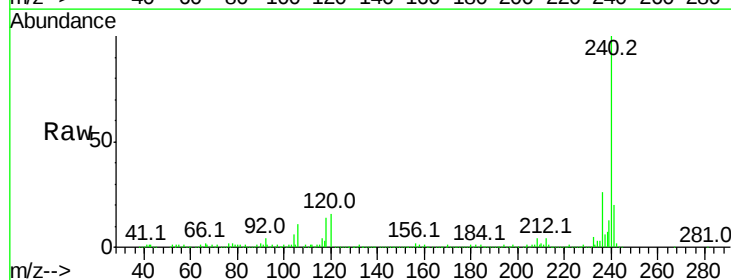


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

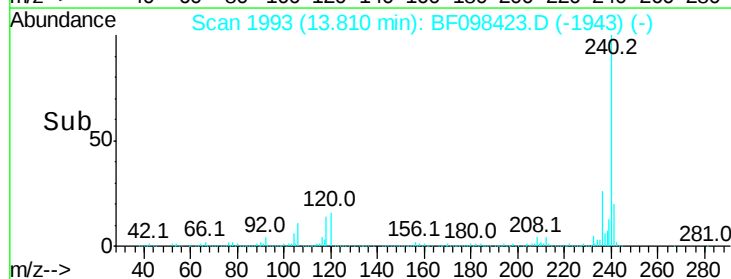
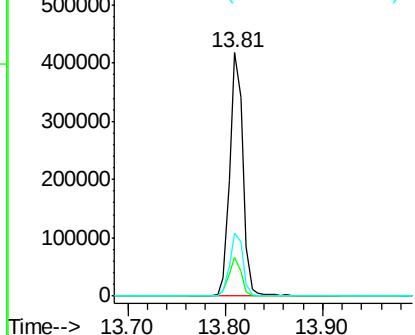


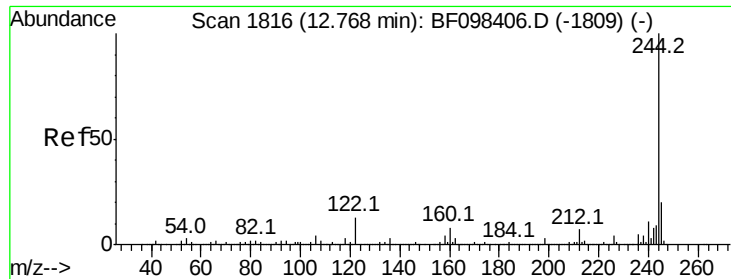
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.81 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BF098423.D  
Acq: 12 Sep 2017 1:02

Tgt Ion:240 Resp: 391918  
Ion Ratio Lower Upper  
240 100  
120 16.2 5.8 8.8#  
236 26.0 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: 64.848 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS006-01

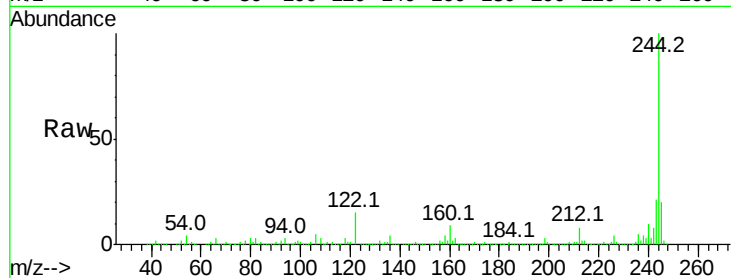
Tot Ion:244 Resp: 1177469

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

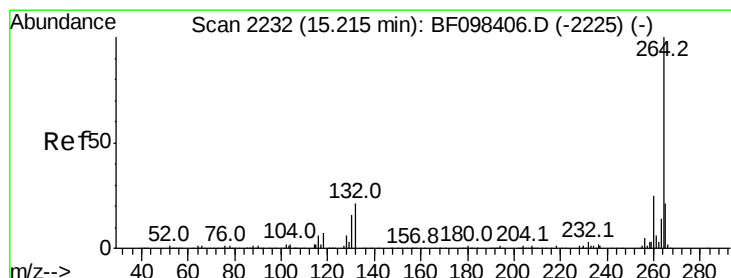
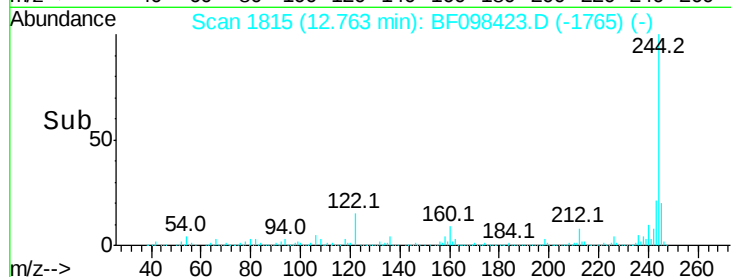
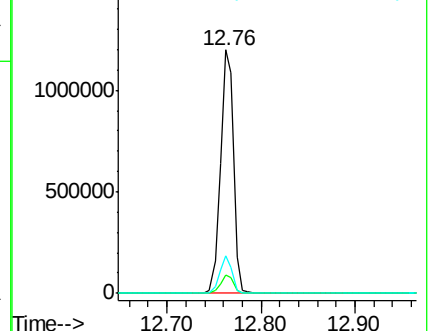
122 15.3 10.3 15.5



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: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098423.D

Acq: 12 Sep 2017 1:02

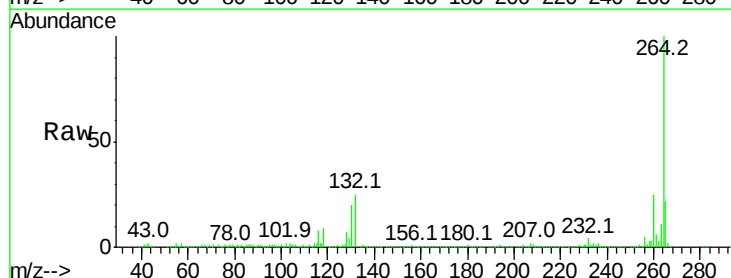
Tgt Ion:264 Resp: 394895

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.8 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

