

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\  
 Data File : BF101601.D  
 Acq On : 21 Dec 2017 12:40  
 Operator : SJ/JU  
 Sample : I6961-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-108-1(20-22)

Quant Time: Dec 21 13:40:37 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 20 14:25:04 2017  
 Response via : Initial Calibration

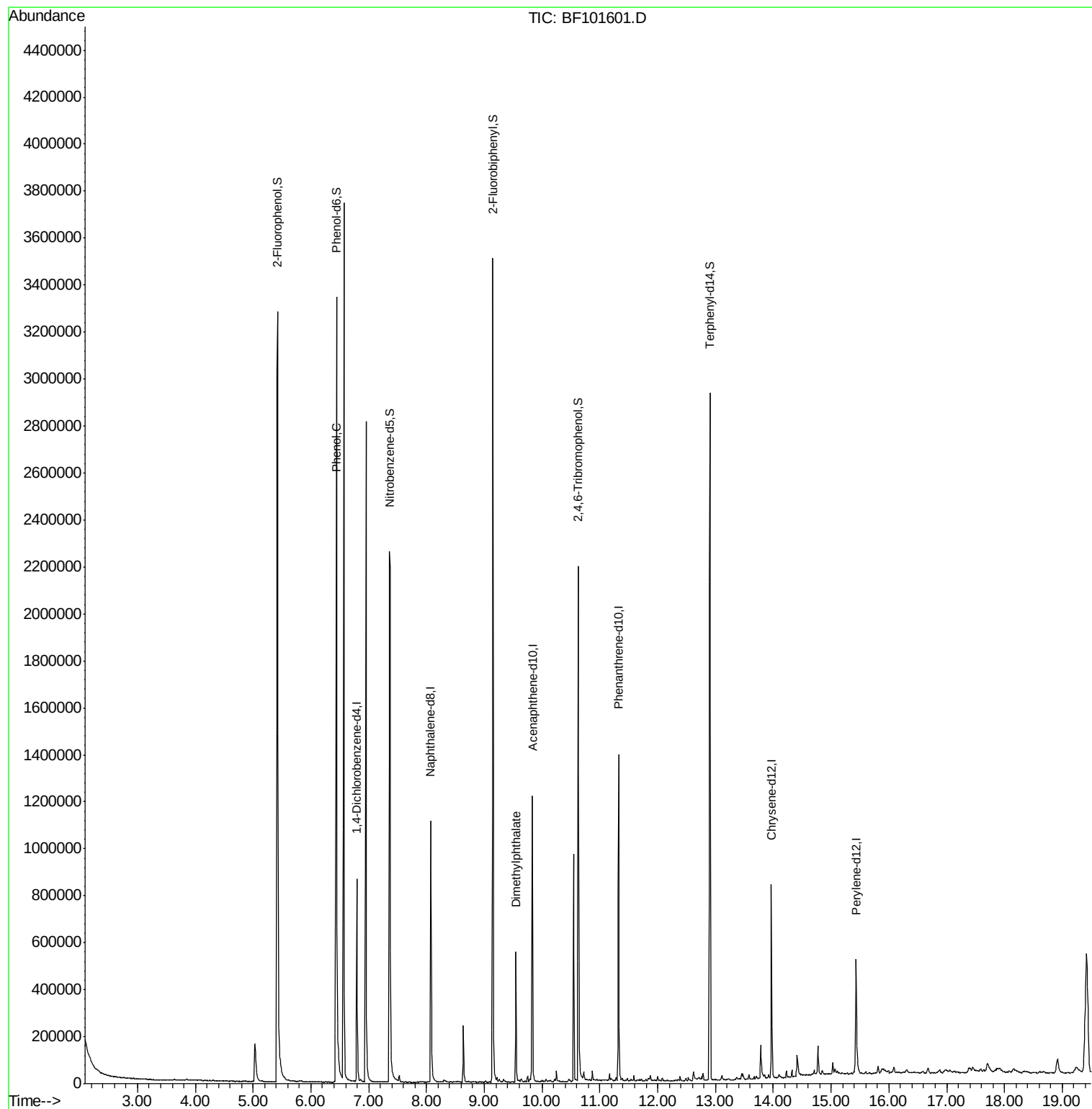
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 139214   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 561225   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.83  | 164  | 253043   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 485803   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 293239   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.43 | 264  | 257824   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1158313  | 123.94 | ng    | 0.01     |
| 7) Phenol-d6                | 6.44  | 99   | 1406811  | 120.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 910149   | 90.27  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 282057   | 115.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 1161940  | 71.23  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.90 | 244  | 981604   | 80.70  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.45  | 94   | 61869    | 4.667  | ng    | 84       |
| 49) Dimethylphthalate       | 9.55  | 163  | 226550   | 11.131 | ng    | 100      |

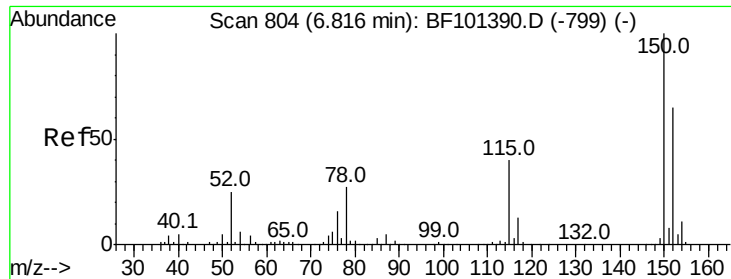
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EPE-108-1(20-22)

Quant Time: Dec 21 13:40:37 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 20 14:25:04 2017  
Response via : Initial Calibration



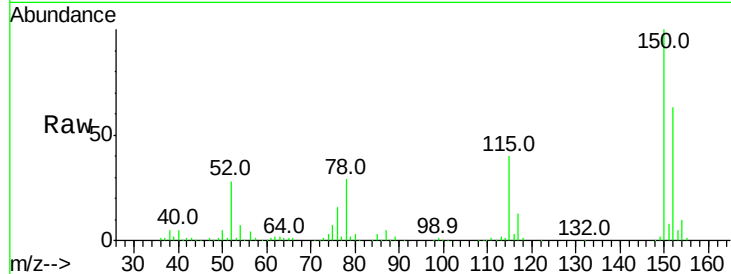


#1

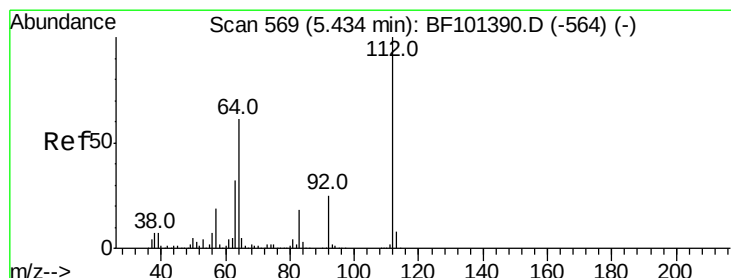
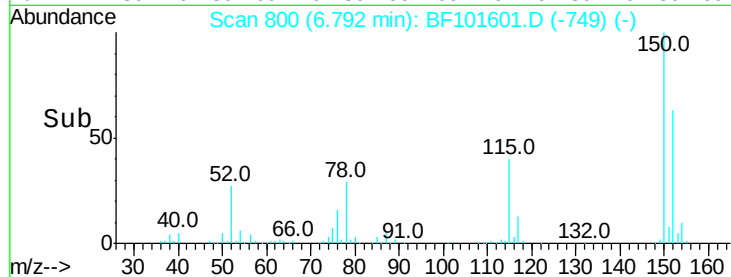
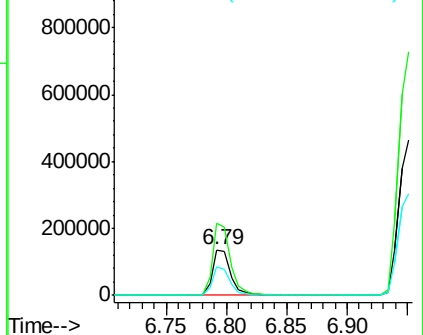
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-108-1(20-22)

Tot Ion:152 Resp: 139214  
Ion Ratio Lower Upper  
152 100  
150 159.3 124.6 186.8  
115 64.0 50.1 75.1



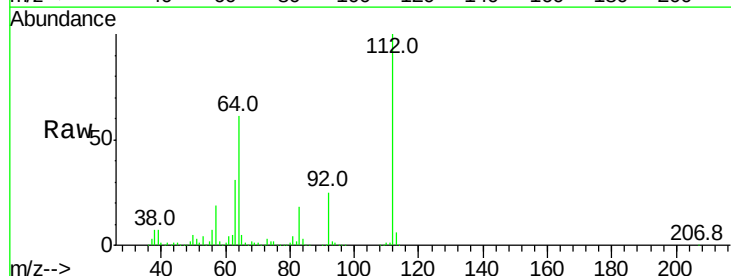
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



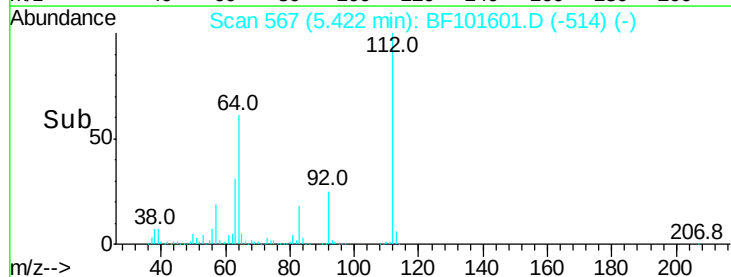
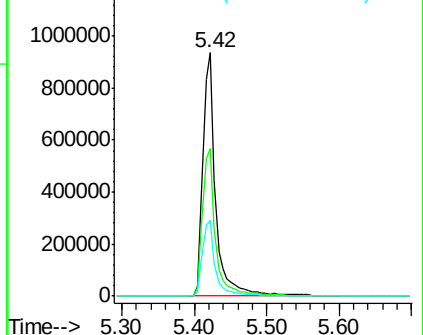
#5

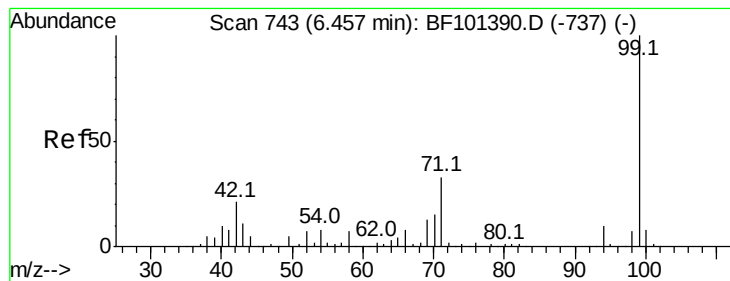
2-Fluorophenol  
Concen: 123.939 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

Tgt Ion:112 Resp: 1158313  
Ion Ratio Lower Upper  
112 100  
64 60.7 47.9 71.9  
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 120.951 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

Instrument :

BNA\_F

ClientSampleId :

EPE-108-1(20-22)

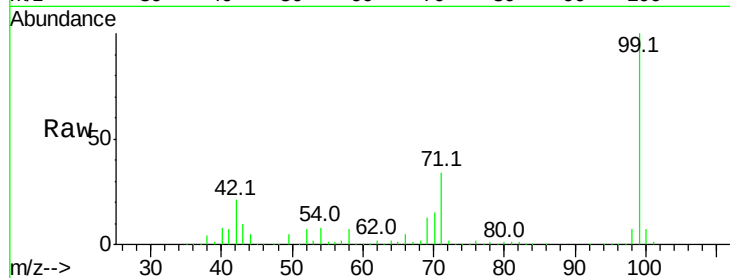
Tot Ion: 99 Resp: 1406811

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

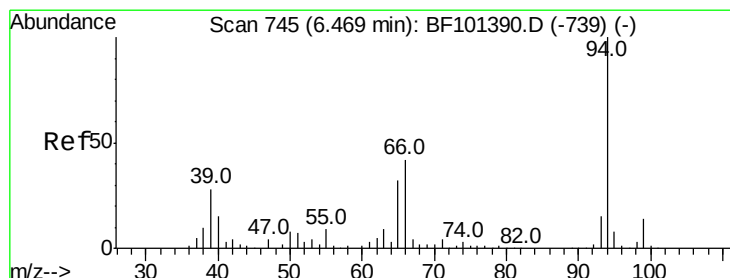
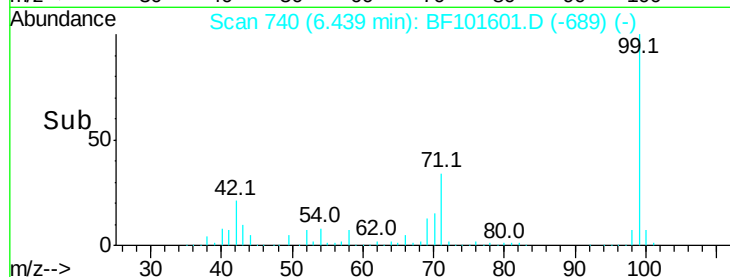
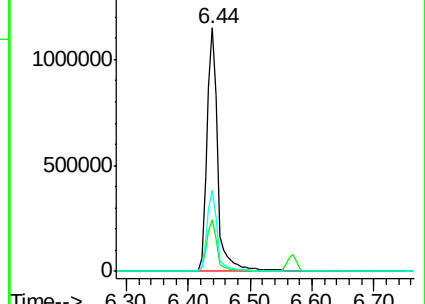
71 33.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.667 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

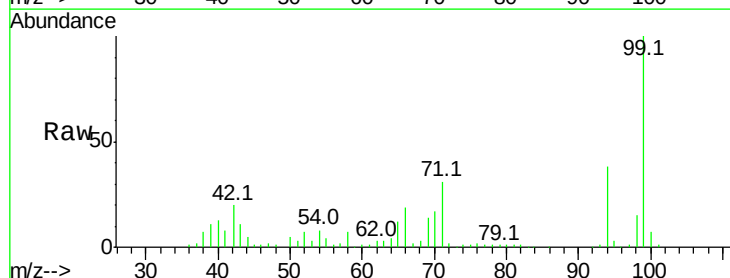
Tgt Ion: 94 Resp: 61869

Ion Ratio Lower Upper

94 100

65 31.5 7.9 47.9

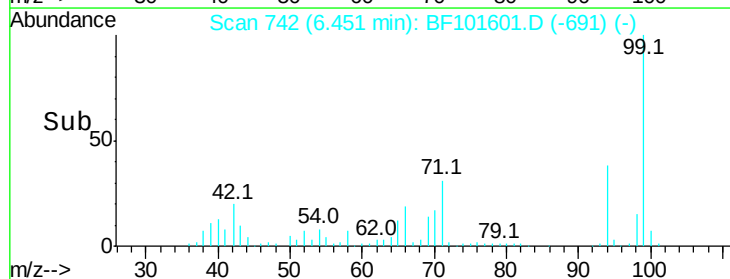
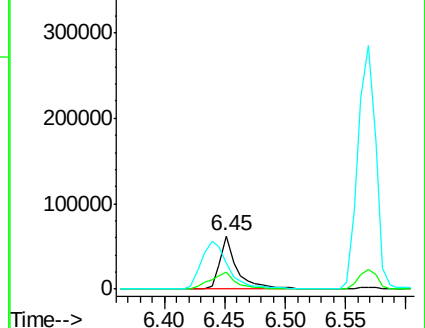
66 49.4 16.2 56.2

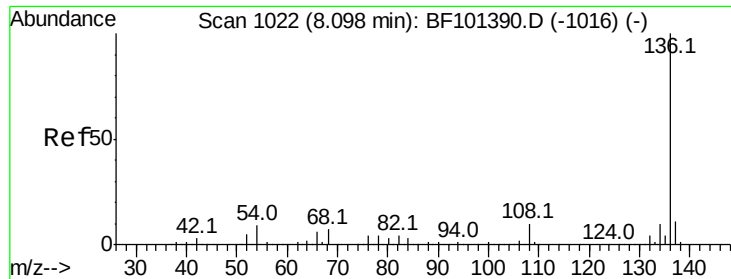


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

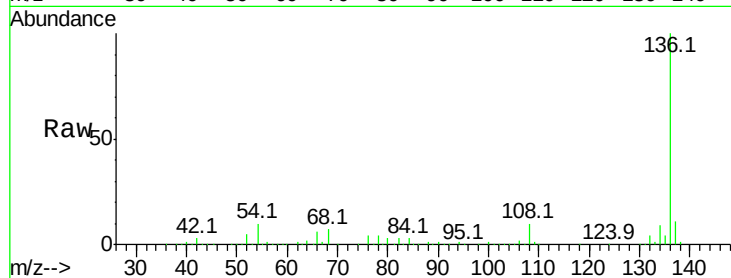




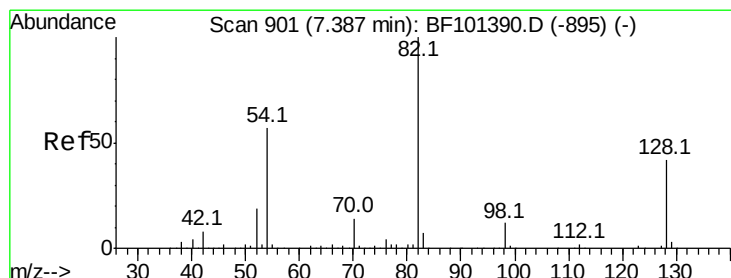
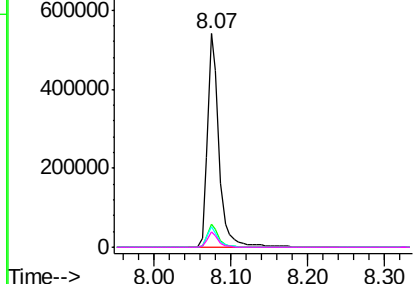
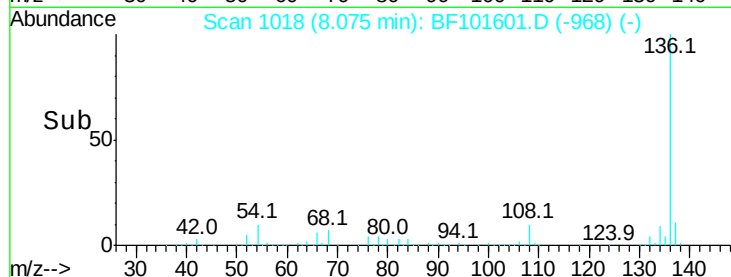
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-108-1(20-22)

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 561225   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.9 13.3 |
| 54          | 9.6   | 6.6 9.8  |
| 68          | 7.0   | 5.0 7.4  |

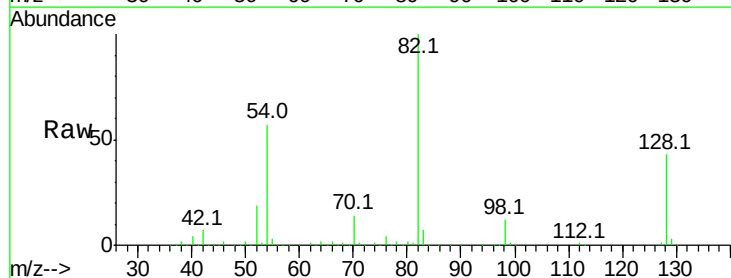


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

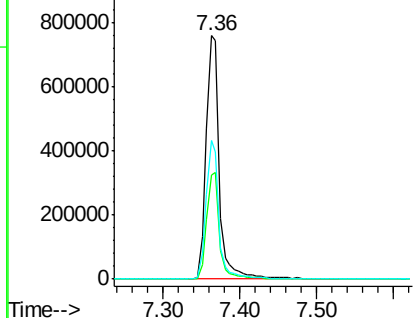
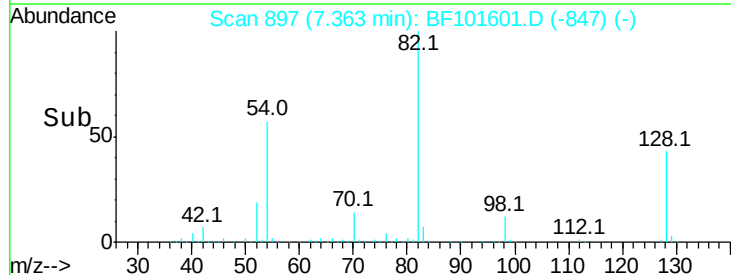


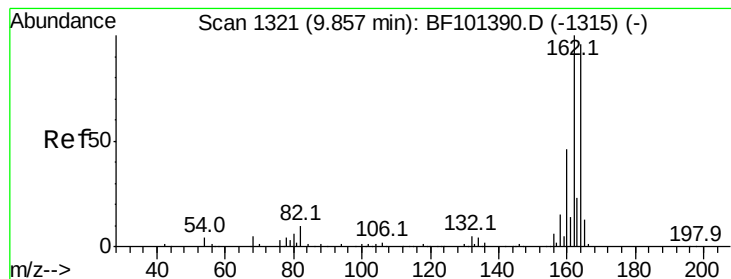
#23  
Nitrobenzene-d5  
Concen: 90.274 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 910149    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.0  | 36.1 54.1 |
| 54          | 56.9  | 41.4 62.2 |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

Instrument :

BNA\_F

ClientSampleId :

EPE-108-1(20-22)

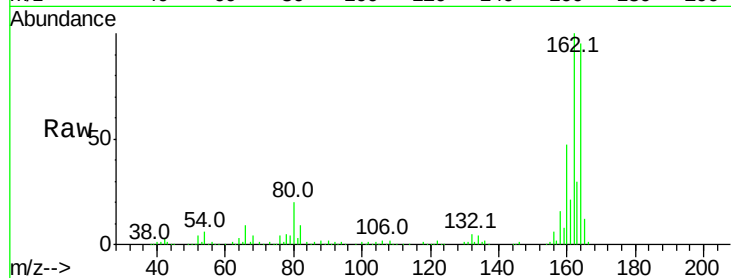
Tot Ion:164 Resp: 253043

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

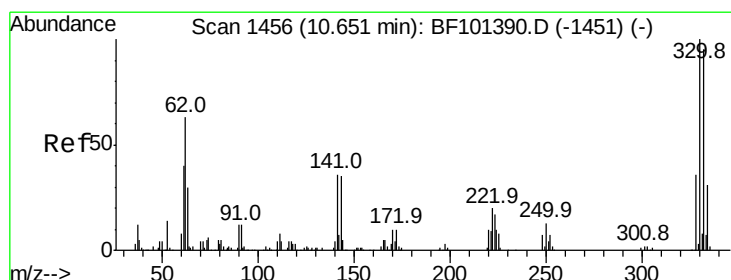
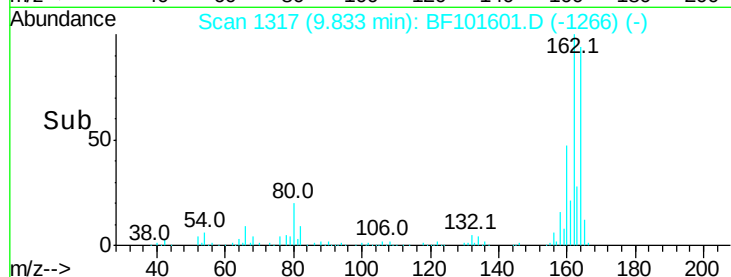
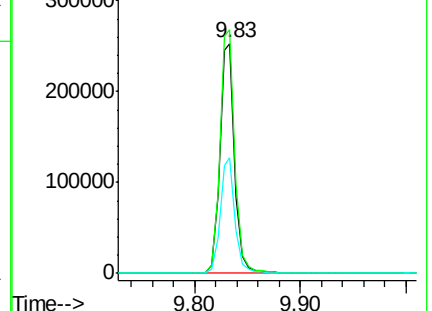
160 50.2 38.3 57.5



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: 115.679 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

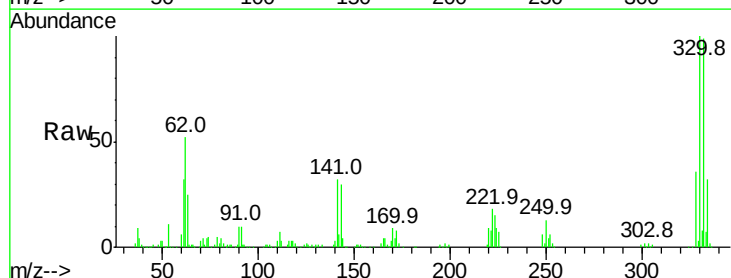
Tgt Ion:330 Resp: 282057

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

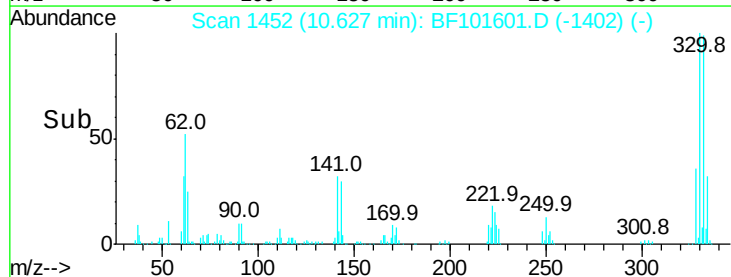
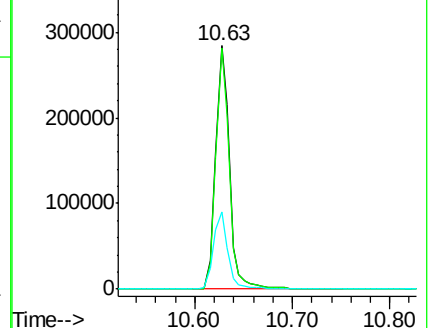
141 33.2 29.9 44.9

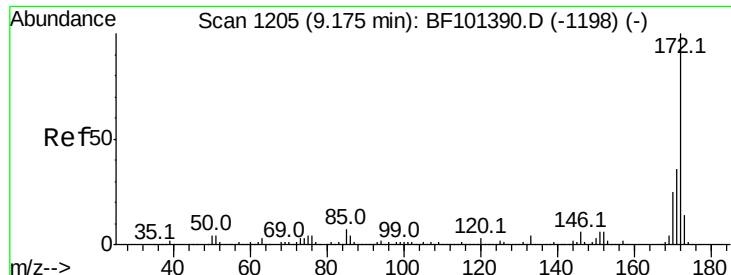


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

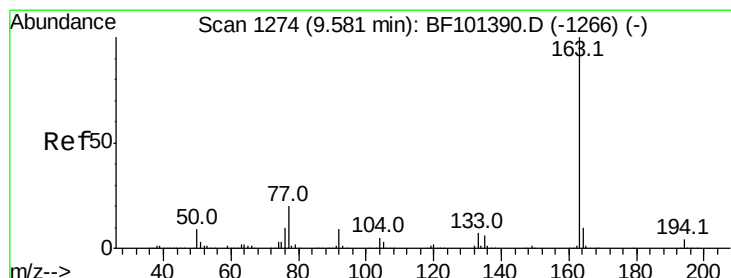
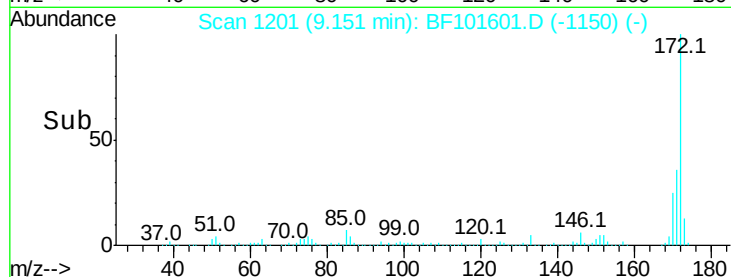
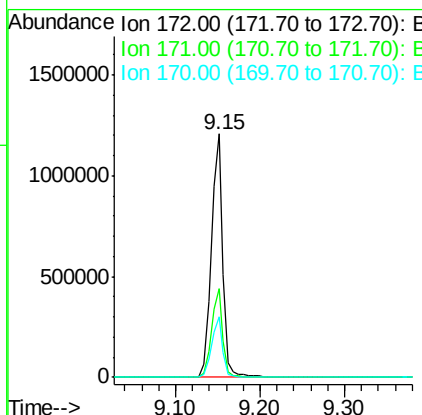
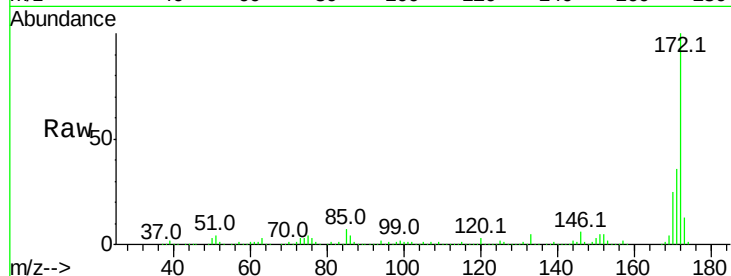




#44  
2-Fluorobiphenyl  
Concen: 71.231 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

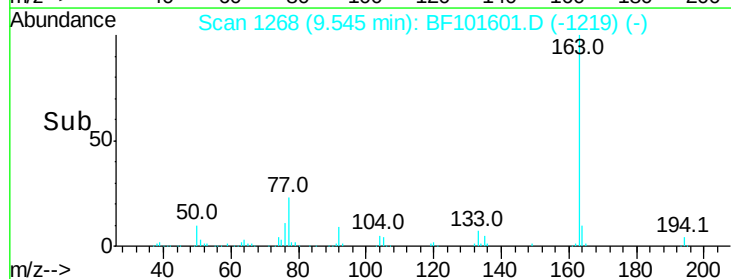
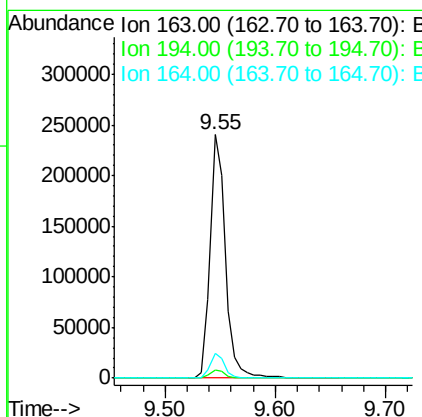
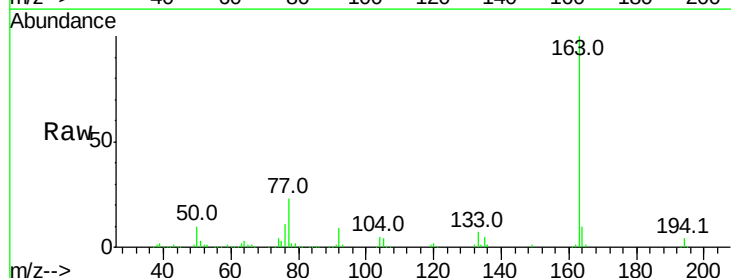
Instrument :  
BNA\_F  
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EPE-108-1(20-22)

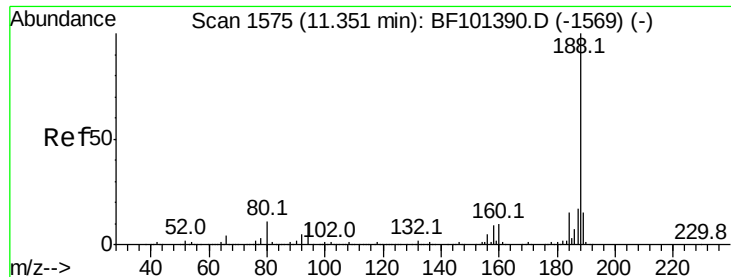
Tot Ion:172 Resp: 1161940  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.7 44.5  
170 24.9 19.6 29.4



#49  
Dimethylphthalate  
Concen: 11.131 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

Tgt Ion:163 Resp: 226550  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.7 4.1  
164 10.3 8.2 12.2

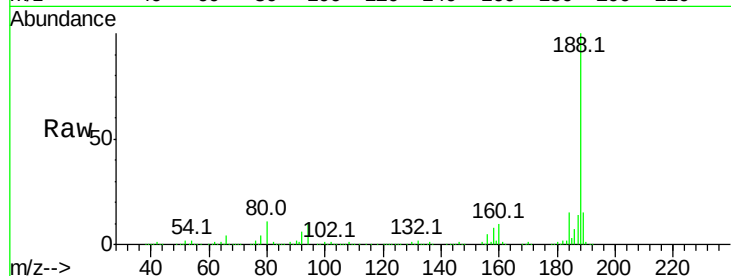




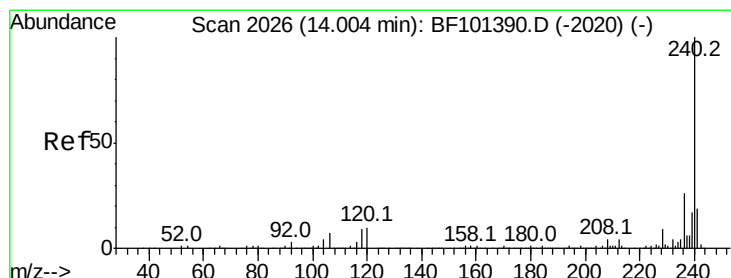
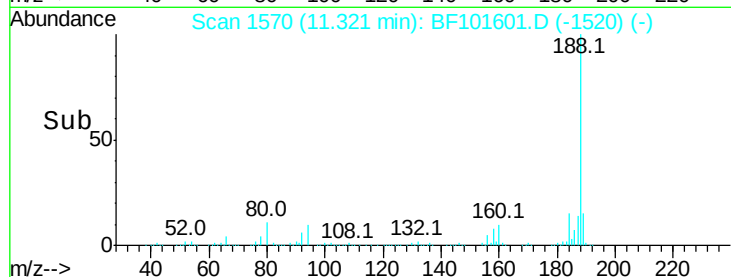
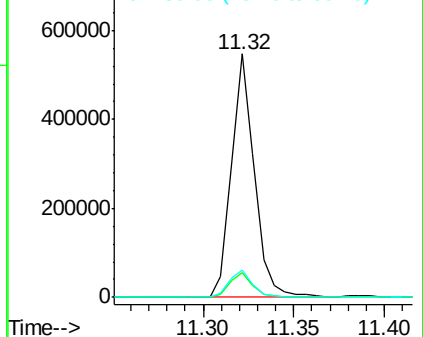
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-108-1(20-22)

Tot Ion:188 Resp: 485803  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 11.4 9.2 13.8

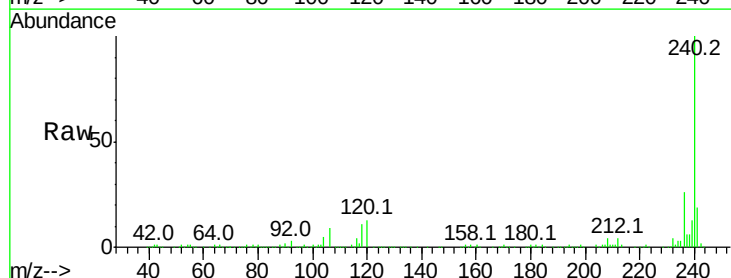


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

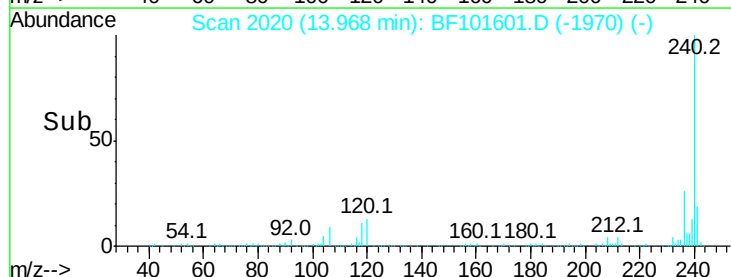
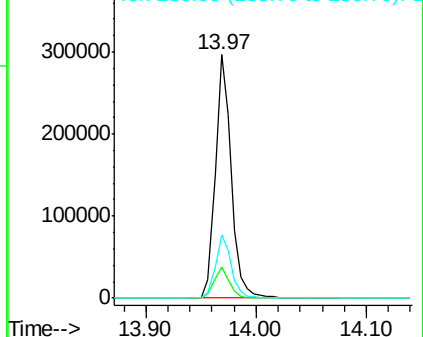


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF101601.D  
Acq: 21 Dec 2017 12:40

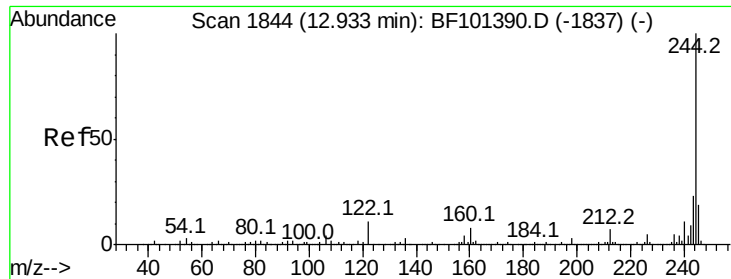
Tgt Ion:240 Resp: 293239  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.5 14.3  
236 26.0 20.7 31.1



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: 80.699 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

Instrument :

BNA\_F

ClientSampleId :

EPE-108-1(20-22)

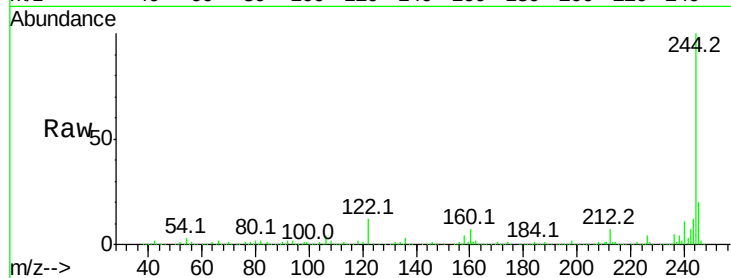
Tot Ion:244 Resp: 981604

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

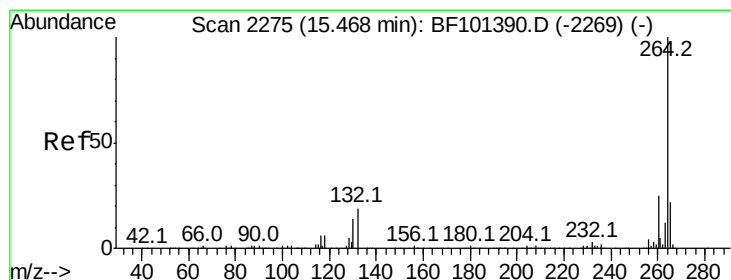
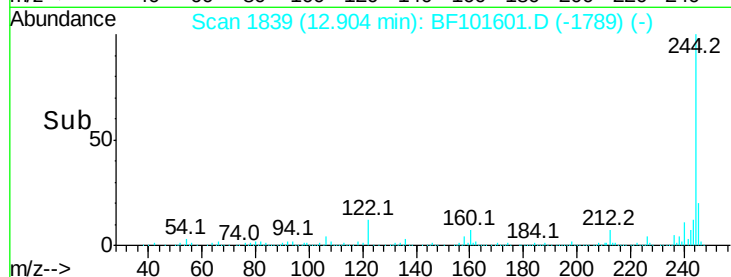
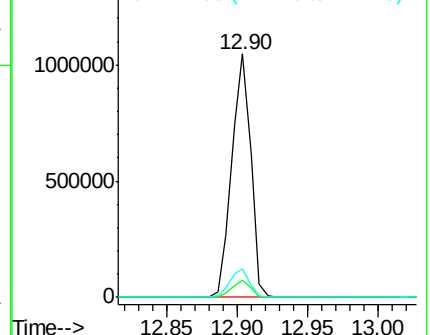
122 12.0 11.0 16.4



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: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF101601.D

Acq: 21 Dec 2017 12:40

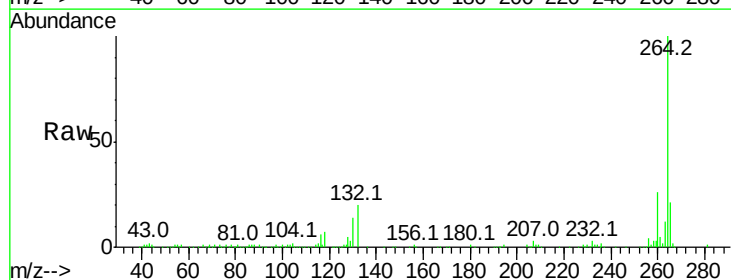
Tgt Ion:264 Resp: 257824

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 21.2 17.5 26.3



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

