

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE092818\  
 Data File : BE097701.D  
 Acq On : 28 Sep 2018 13:05  
 Operator : SJ/JU  
 Sample : PB113060BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113060BL

Quant Time: Sep 28 14:24:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 28 14:22:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 846      | 0.40 | ng    | 0.02     |
| 7) Naphthalene-d8         | 10.17 | 136  | 4218     | 0.40 | ng    | 0.05     |
| 13) Acenaphthene-d10      | 14.01 | 164  | 2233     | 0.40 | ng    | 0.02     |
| 19) Phenanthrene-d10      | 16.78 | 188  | 5257     | 0.40 | ng    | 0.02     |
| 27) Chrysene-d12          | 20.98 | 240  | 4963     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.22 | 264  | 5304     | 0.40 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.09  | 112  | 634      | 0.30 | ng    | 0.04     |
| 5) Phenol-d6                | 6.73  | 99   | 666      | 0.23 | ng    | 0.12     |
| 8) Nitrobenzene-d5          | 8.65  | 82   | 641      | 0.21 | ng    | 0.11     |
| 11) 2-Methylnaphthalene-d10 | 11.78 | 152  | 1633     | 0.25 | ng    | 0.06     |
| 14) 2,4,6-Tribromophenol    | 15.58 | 330  | 124      | 0.14 | ng    | 0.06     |
| 15) 2-Fluorobiphenyl        | 12.67 | 172  | 2502     | 0.27 | ng    | 0.05     |
| 25) Fluoranthene-d10        | 18.82 | 212  | 15974    | 0.25 | ng    | 0.02     |
| 29) Terphenyl-d14           | 19.42 | 244  | 3343     | 0.31 | ng    | 0.00     |

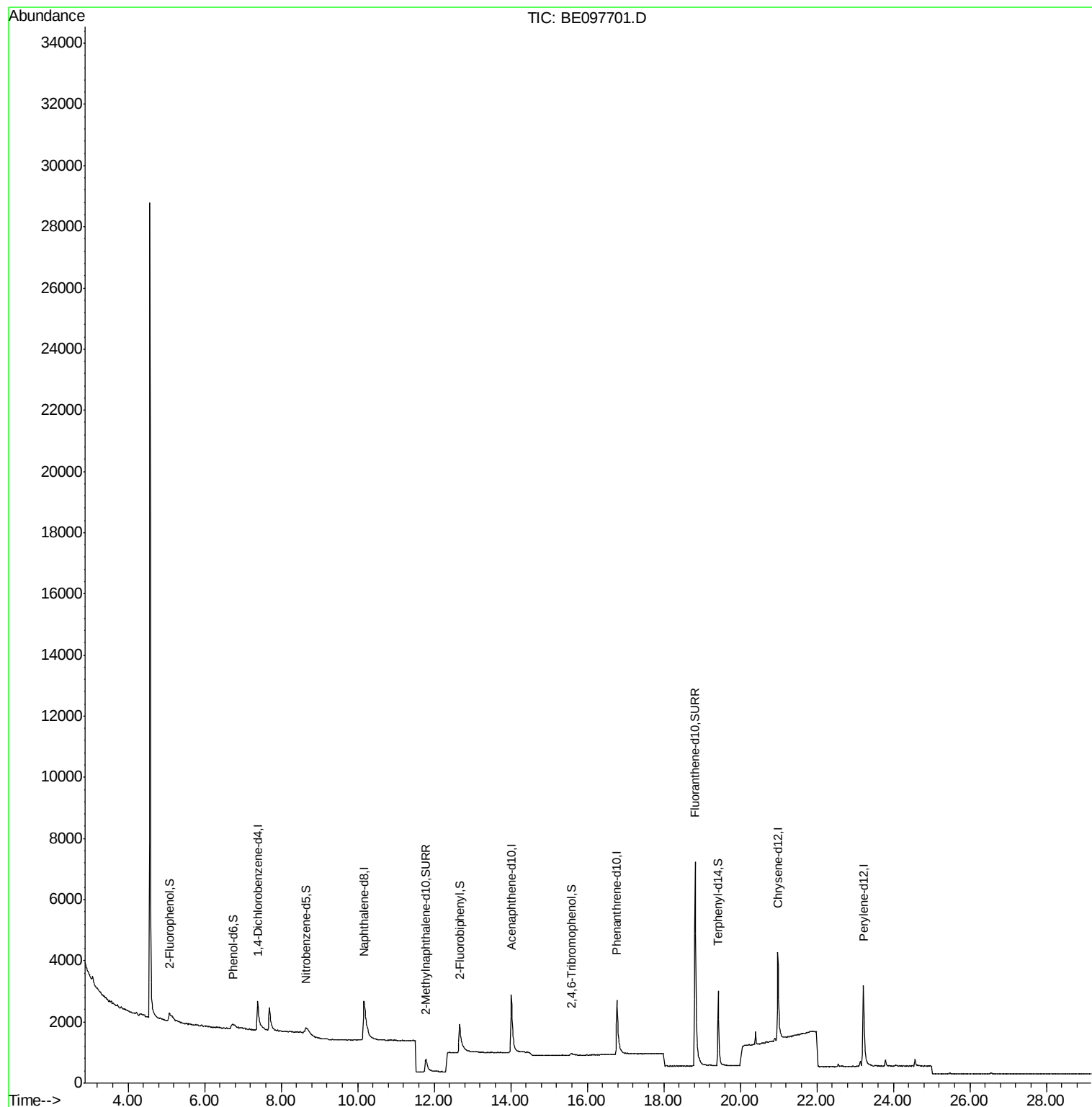
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

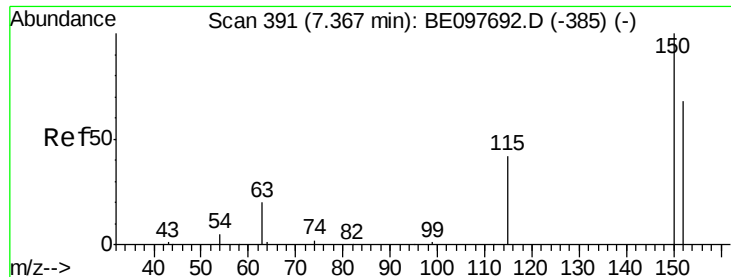
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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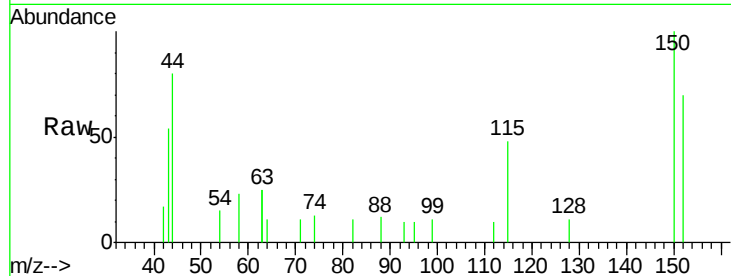


#1

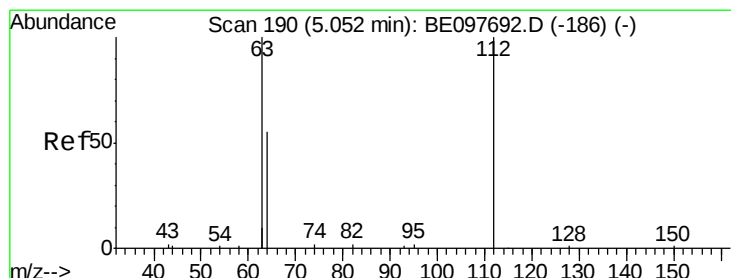
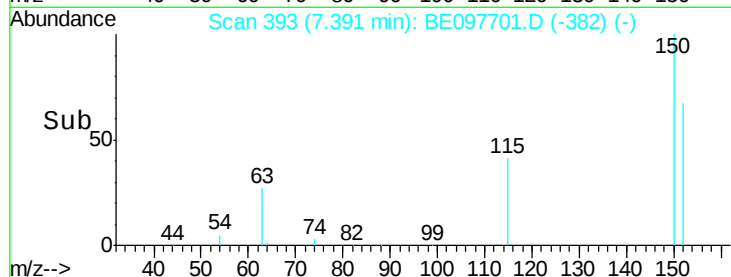
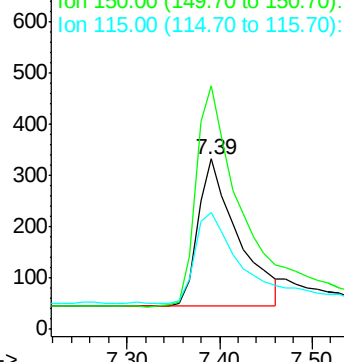
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. 0.02 min  
Lab File: BE097701.D  
Acq: 28 Sep 2018 13:05

Instrument :  
BNA\_E  
ClientSampleId :  
PB113060BL

Tgt Ion:152 Resp: 846  
Ion Ratio Lower Upper  
152 100  
150 142.9 117.2 175.8  
115 68.5 57.0 85.6



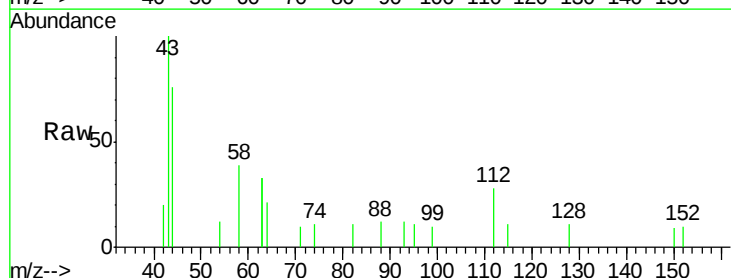
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



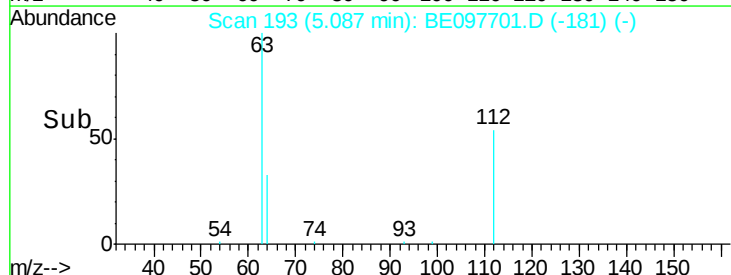
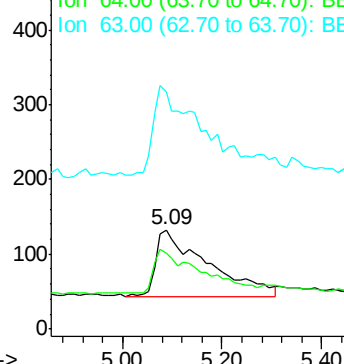
#4

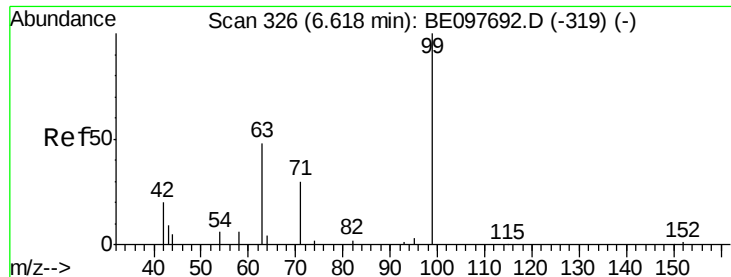
2-Fluorophenol  
Concen: 0.303 ng  
RT: 5.09 min Scan# 193  
Delta R.T. 0.04 min  
Lab File: BE097701.D  
Acq: 28 Sep 2018 13:05

Tgt Ion:112 Resp: 634  
Ion Ratio Lower Upper  
112 100  
64 60.6 60.1 90.1  
63 127.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.231 ng

RT: 6.73 min Scan# 336

Delta R.T. 0.12 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

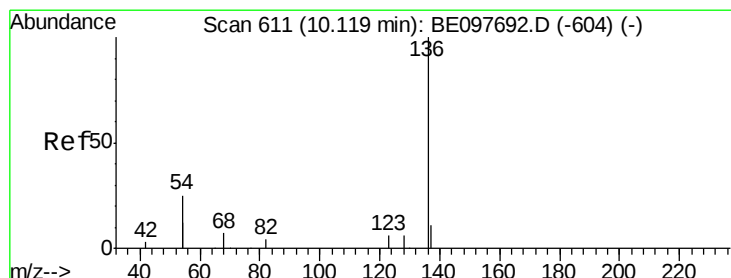
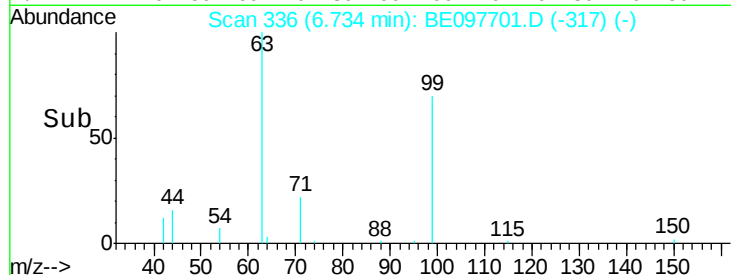
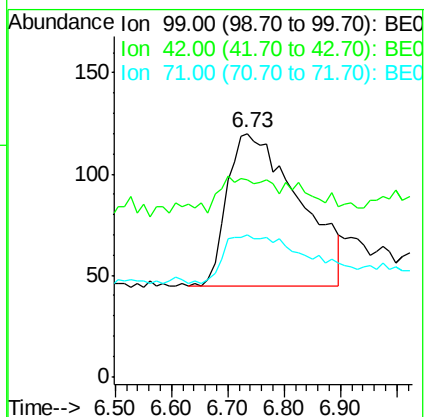
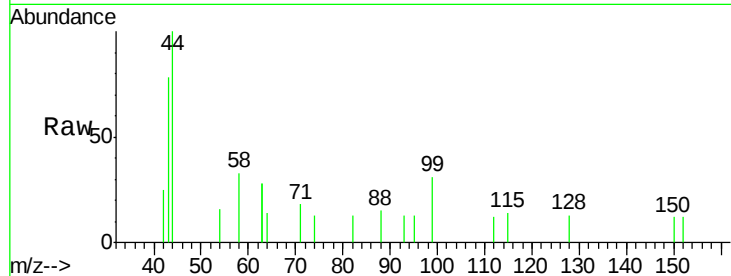
Tgt Ion: 99 Resp: 666

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 35.4 28.4 42.6



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.05 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Tgt Ion: 136 Resp: 4218

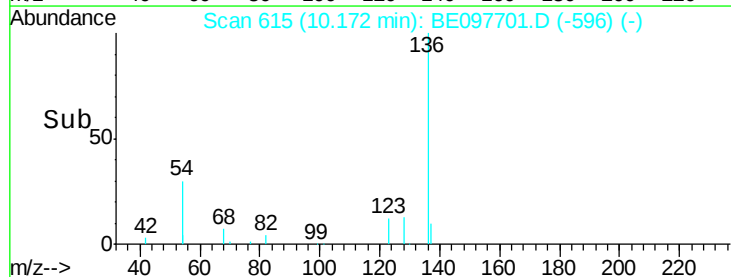
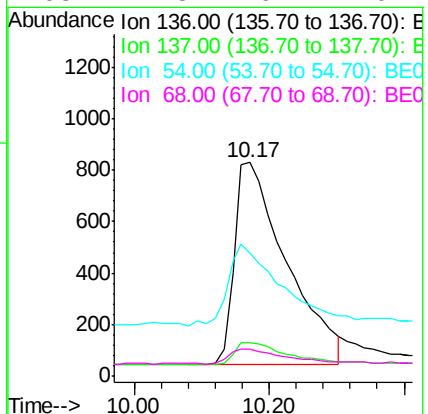
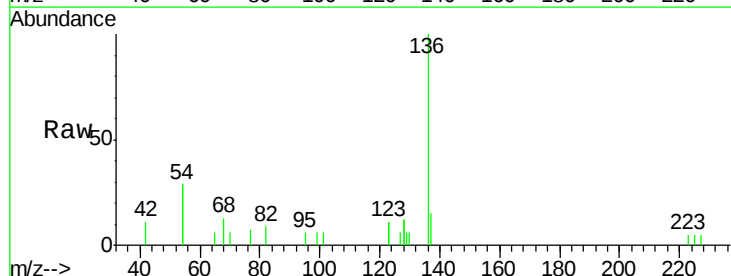
Ion Ratio Lower Upper

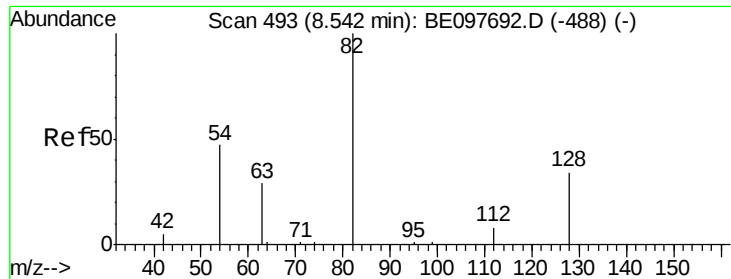
136 100

137 15.4 9.5 14.3#

54 57.6 29.1 43.7#

68 12.8 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.214 ng

RT: 8.65 min Scan# 502

Delta R.T. 0.11 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

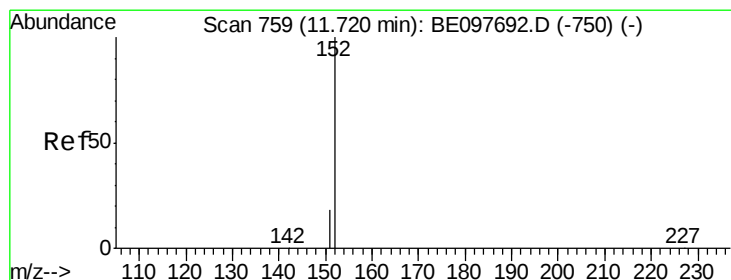
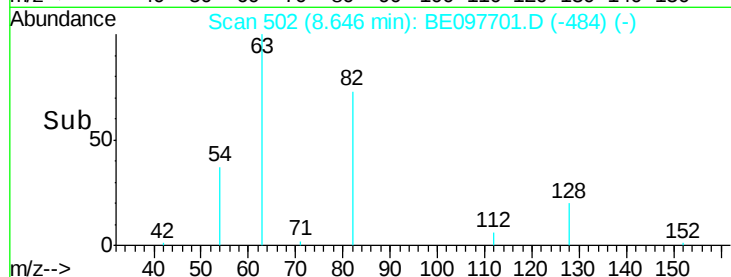
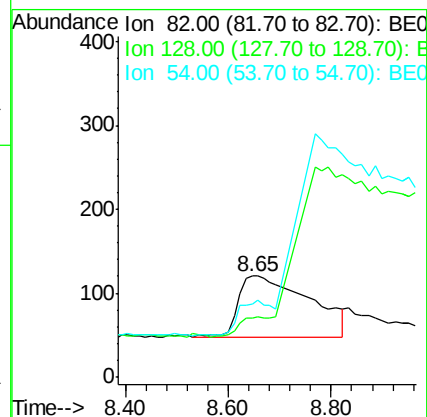
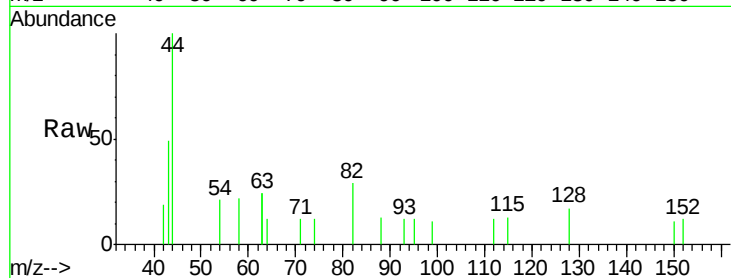
Tgt Ion: 82 Resp: 641

Ion Ratio Lower Upper

82 100

128 58.3 24.0 36.0#

54 72.5 40.0 60.0#



#11

2-Methylnaphthalene-d10

Concen: 0.249 ng

RT: 11.78 min Scan# 772

Delta R.T. 0.06 min

Lab File: BE097701.D

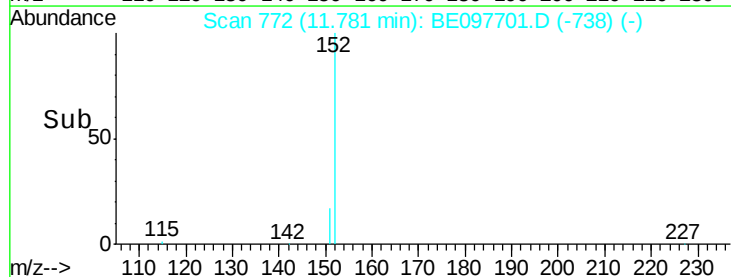
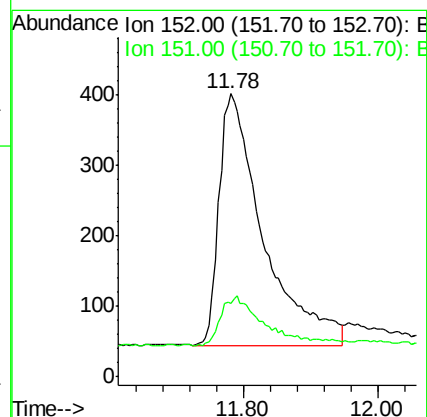
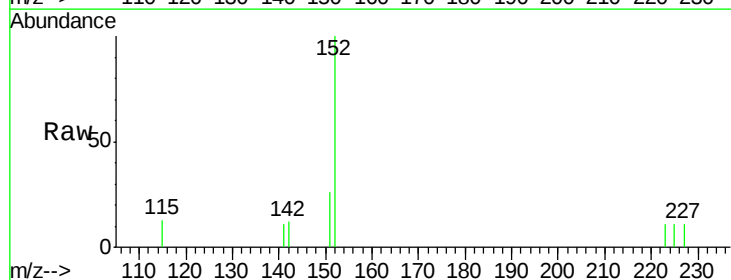
Acq: 28 Sep 2018 13:05

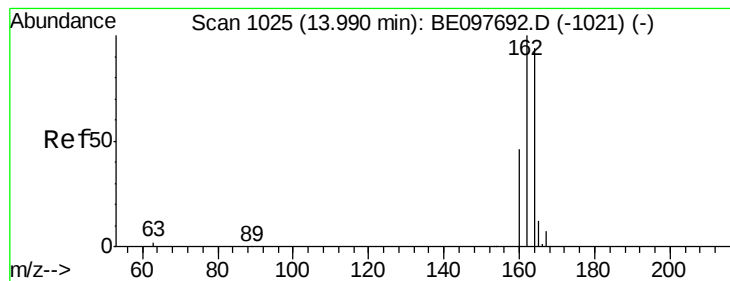
Tgt Ion: 152 Resp: 1633

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

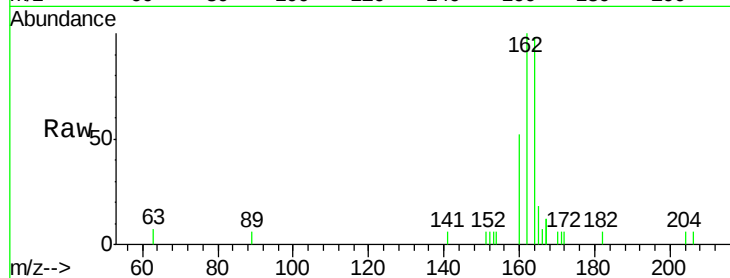
Tgt Ion:164 Resp: 2233

Ion Ratio Lower Upper

164 100

162 102.5 83.1 124.7

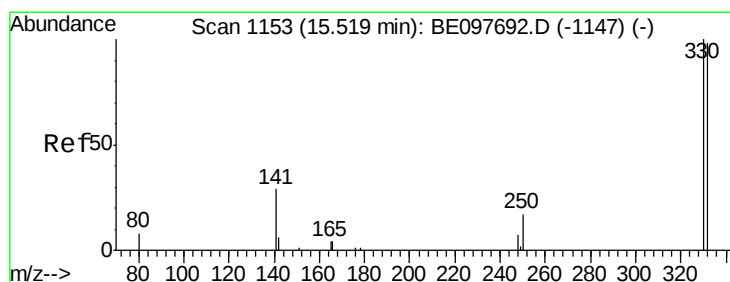
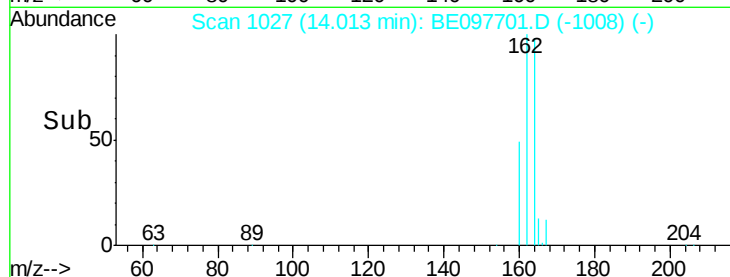
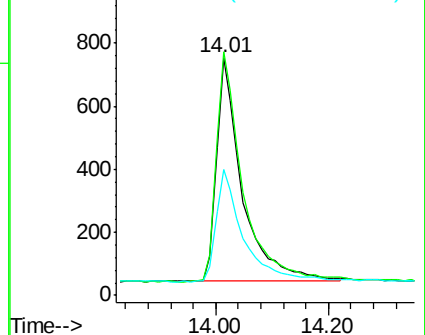
160 53.0 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.142 ng

RT: 15.58 min Scan# 1158

Delta R.T. 0.06 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

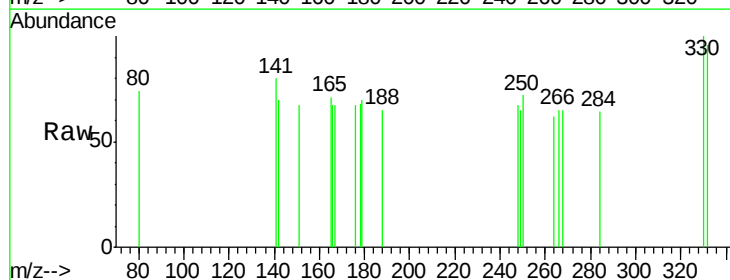
Tgt Ion:330 Resp: 124

Ion Ratio Lower Upper

330 100

332 83.9 152.7 229.1#

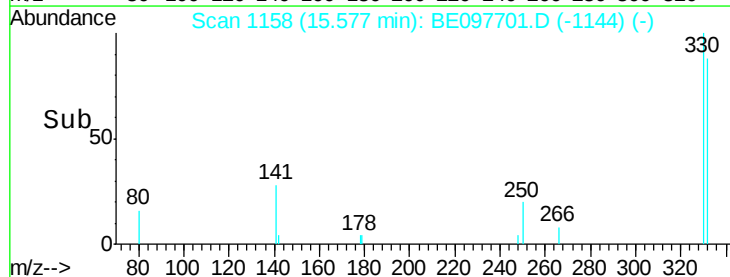
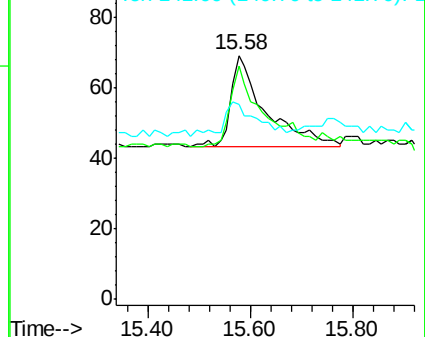
141 29.0 33.7 50.5#

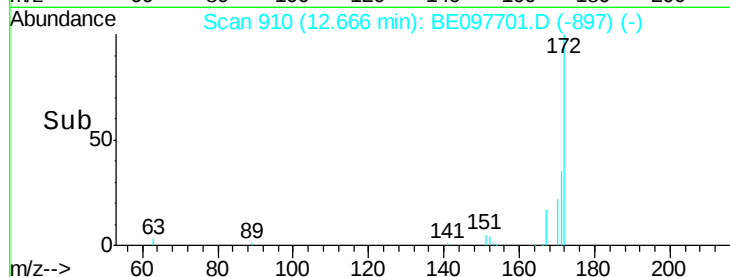
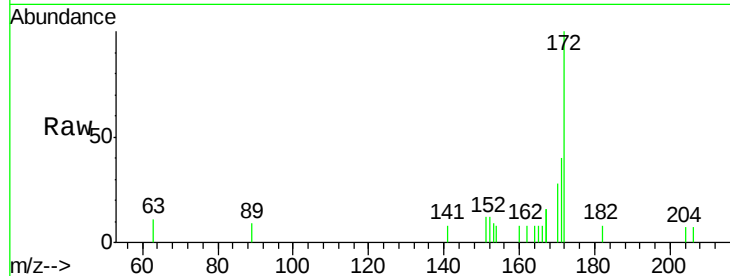
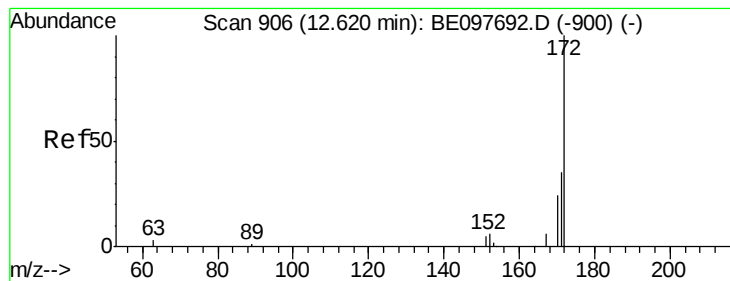


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.267 ng

RT: 12.67 min Scan# 910

Delta R.T. 0.05 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

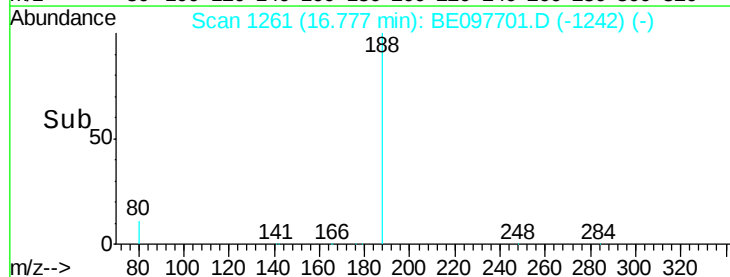
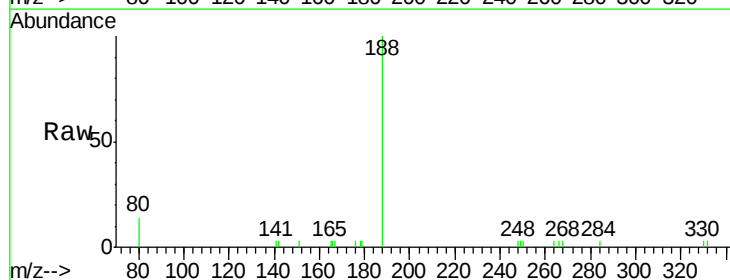
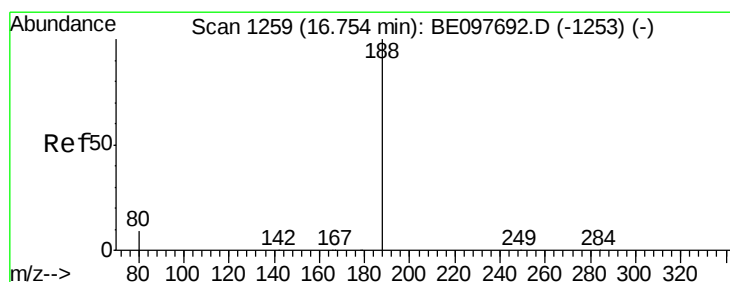
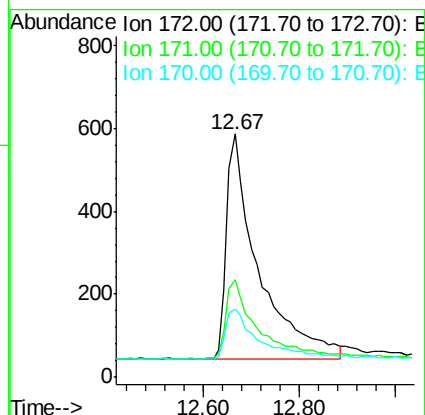
Tgt Ion:172 Resp: 2502

Ion Ratio Lower Upper

172 100

171 39.9 29.9 44.9

170 27.9 21.8 32.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1261

Delta R.T. 0.02 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

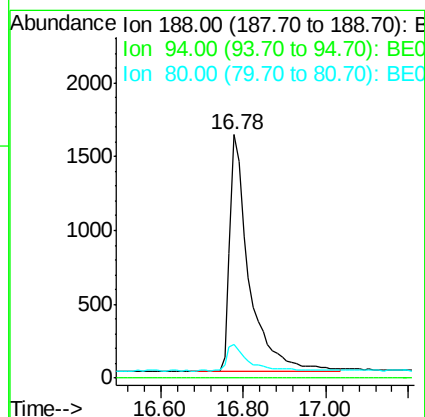
Tgt Ion:188 Resp: 5257

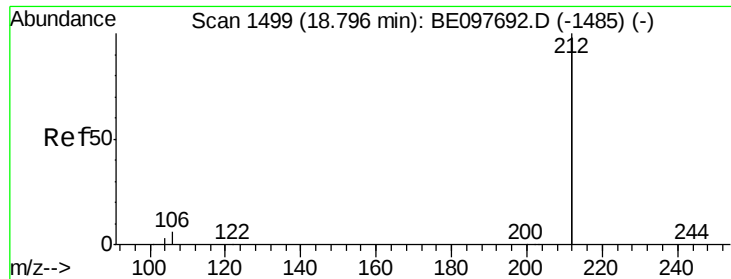
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.0 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.251 ng

RT: 18.82 min Scan# 1503

Delta R.T. 0.02 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

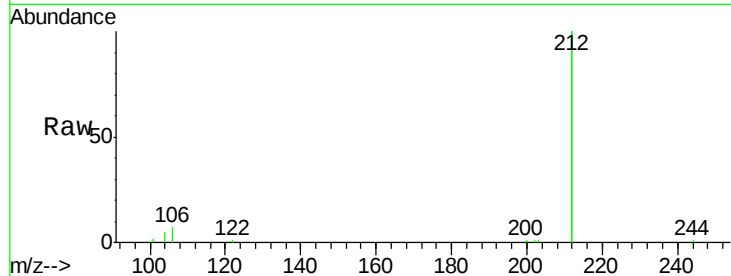
Tgt Ion:212 Resp: 15974

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

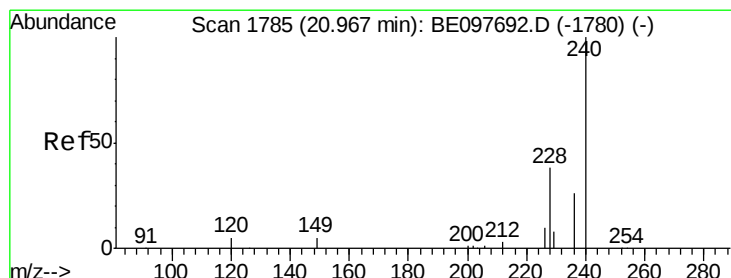
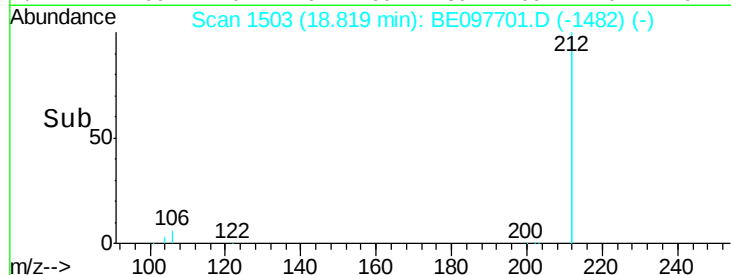
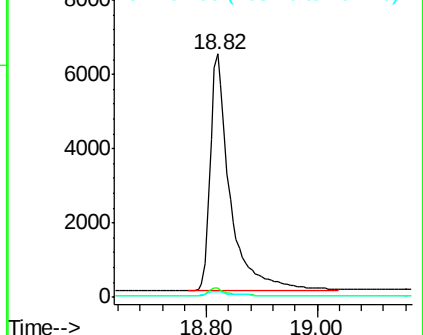
104 1.6 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

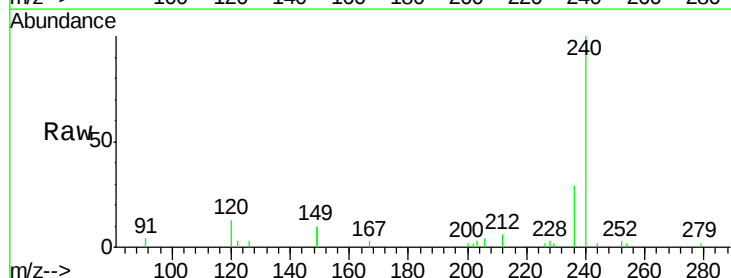
Tgt Ion:240 Resp: 4963

Ion Ratio Lower Upper

240 100

120 13.4 5.5 8.3#

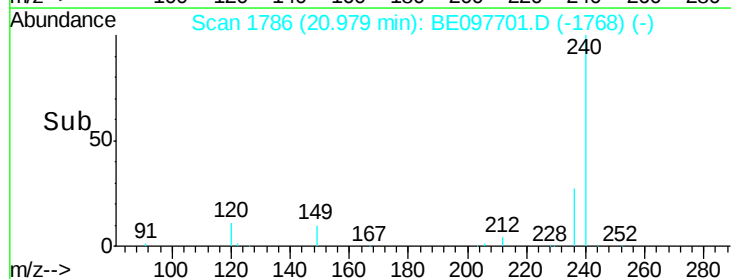
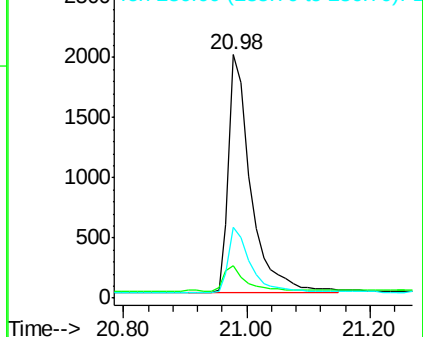
236 29.2 20.7 31.1

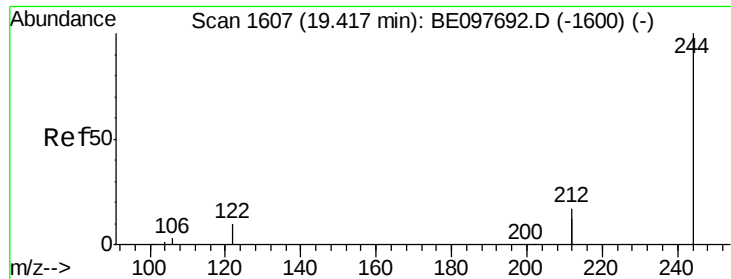


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.312 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

Instrument :

BNA\_E

ClientSampleId :

PB113060BL

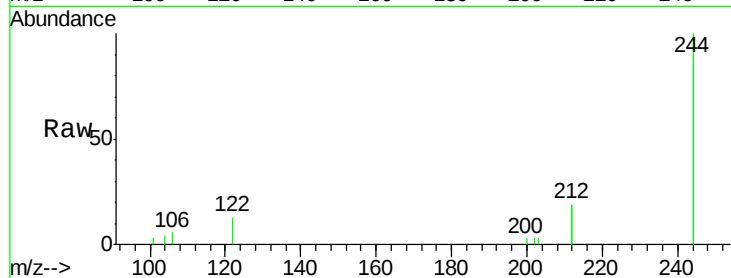
Tgt Ion:244 Resp: 3343

Ion Ratio Lower Upper

244 100

212 38.5 25.4 38.0#

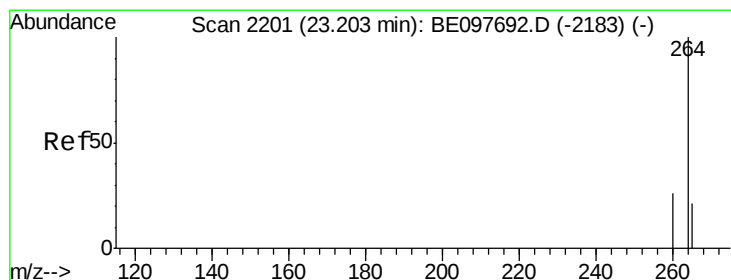
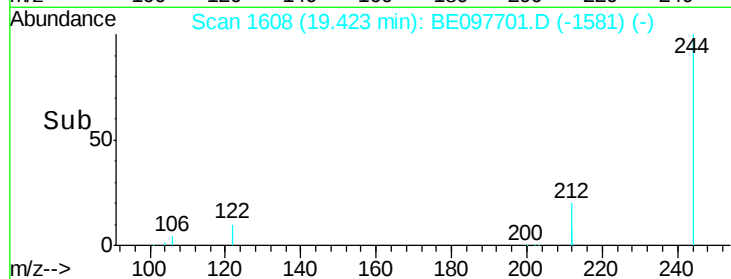
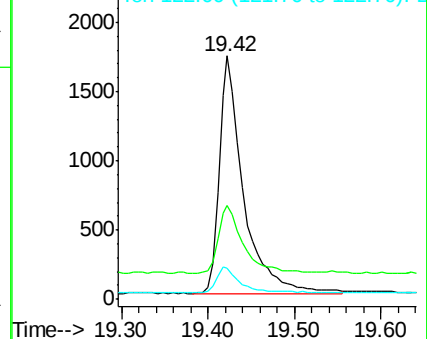
122 12.5 8.1 12.1#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BE097701.D

Acq: 28 Sep 2018 13:05

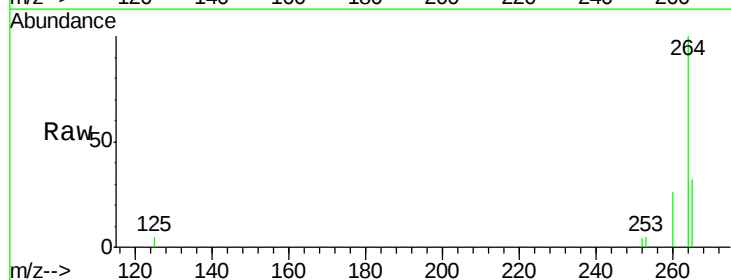
Tgt Ion:264 Resp: 5304

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 32.3 22.8 34.2



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

