

Data Path : S:\HPCHEM1\BNA\_E\DATA\BE050517\  
 Data File : BE092935.D  
 Acq On : 5 May 2017 18:35  
 Operator : SJ/MA  
 Sample : PB98667BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB98667BL

Quant Time: May 06 02:02:19 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:05:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 813      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 3205     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1313     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 3321     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 3060     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.69 | 264  | 2701     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 773      | 0.43 | ng    | 0.00     |
| 5) Phenol-d6                | 6.94  | 99   | 981      | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.90  | 82   | 731      | 0.34 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152  | 1448     | 0.30 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.86 | 330  | 75       | 0.36 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.01 | 172  | 2092     | 0.35 | ng    | 0.00     |
| 24) Fluoranthene-d10        | 19.15 | 212  | 2324     | 0.30 | ng    | 0.00     |
| 28) Terphenyl-d14           | 19.74 | 244  | 1797     | 0.34 | ng    | 0.00     |

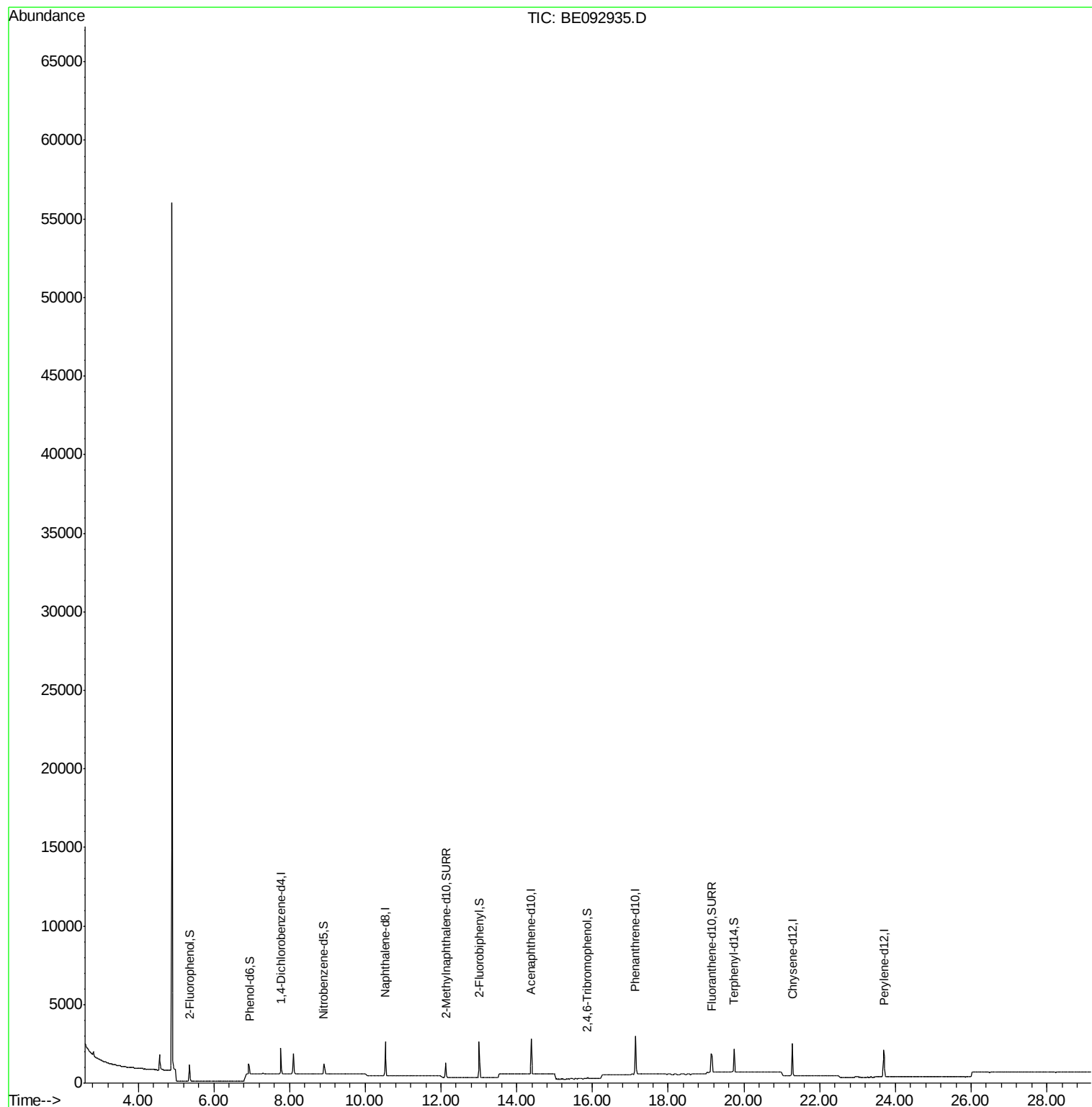
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

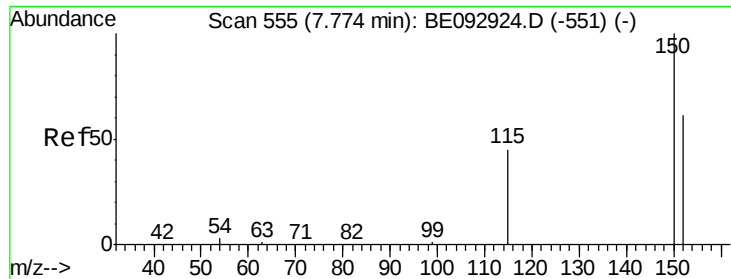
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 05 14:05:07 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Instrument :

BNA\_E

ClientSampled :

PB98667BL

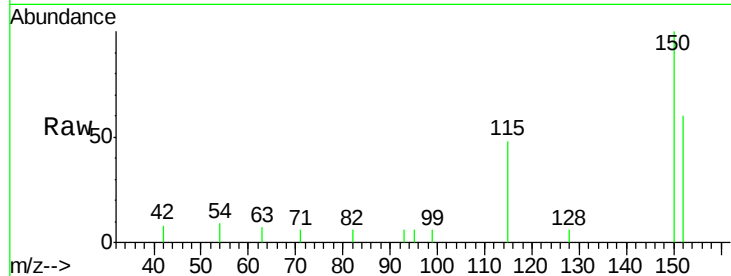
Tgt Ion:152 Resp: 813

Ion Ratio Lower Upper

152 100

150 165.5 129.9 194.9

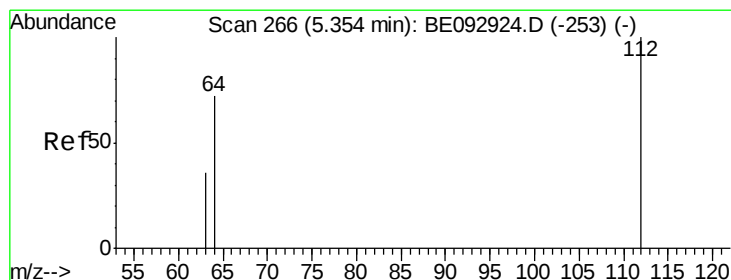
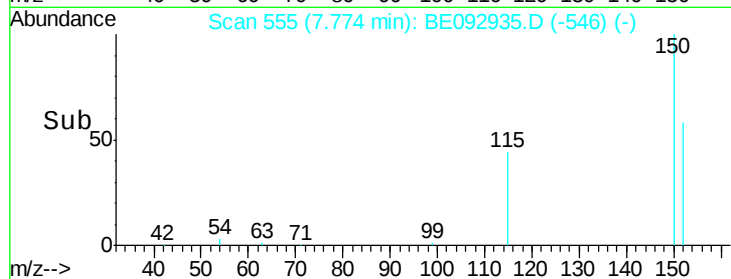
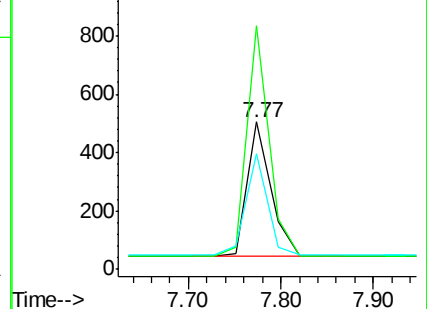
115 79.0 62.6 93.8



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: 0.43 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.01 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

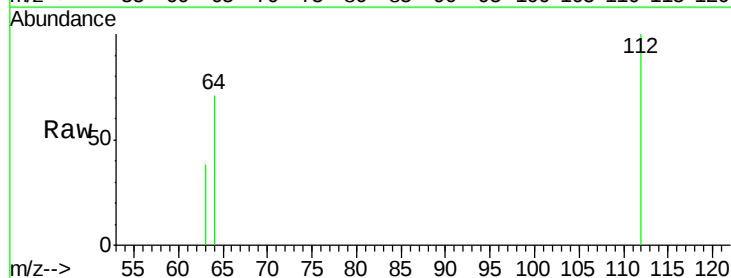
Tgt Ion:112 Resp: 773

Ion Ratio Lower Upper

112 100

64 69.9 52.6 79.0

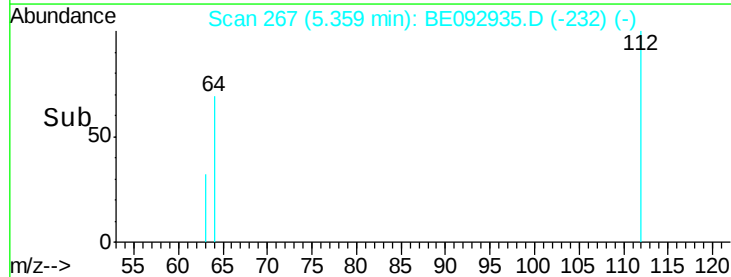
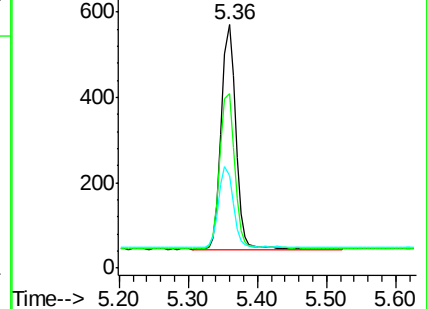
63 36.1 29.0 43.4

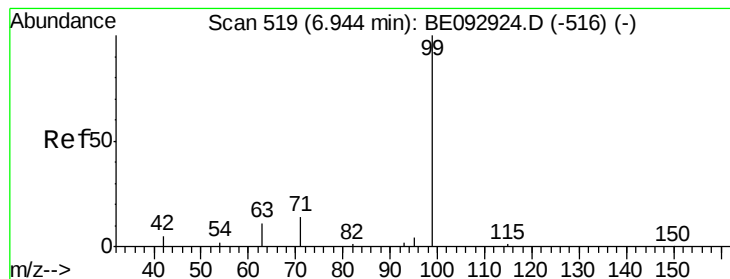


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.38 ng

RT: 6.94 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Instrument :

BNA\_E

ClientSampleId :

PB98667BL

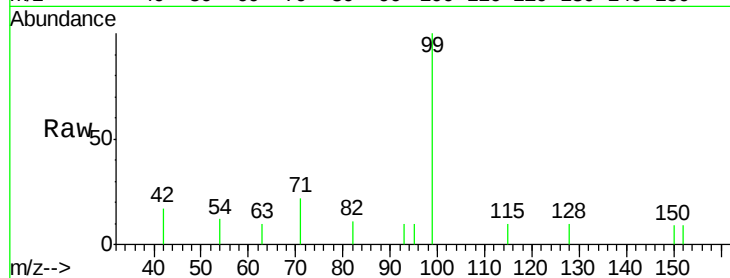
Tgt Ion: 99 Resp: 981

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

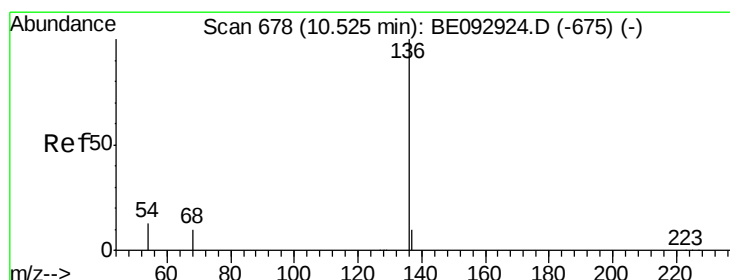
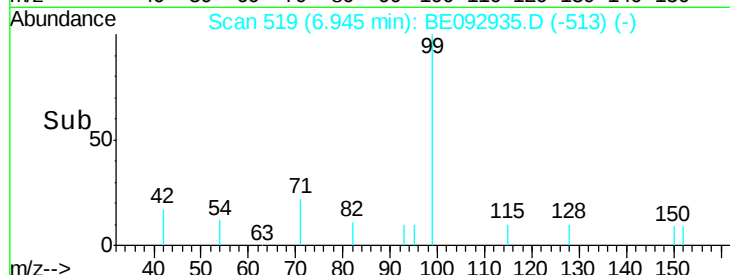
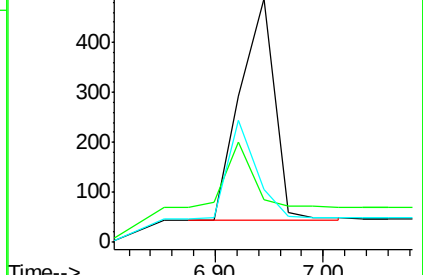
71 0.0 0.0 0.0



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Tgt Ion: 136 Resp: 3205

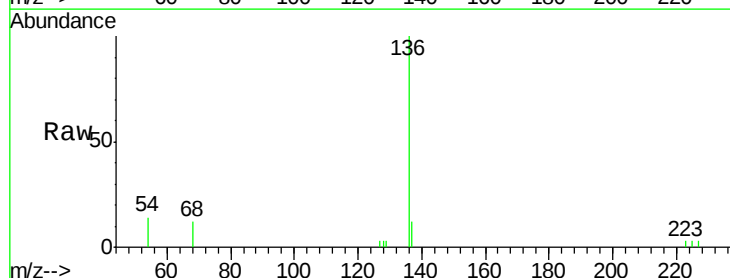
Ion Ratio Lower Upper

136 100

137 12.3 10.4 15.6

54 14.5 12.6 18.8

68 12.4 10.7 16.1

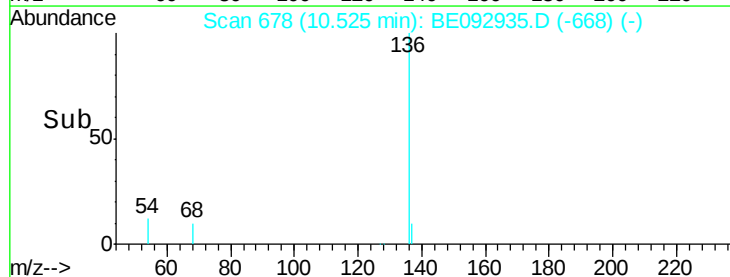
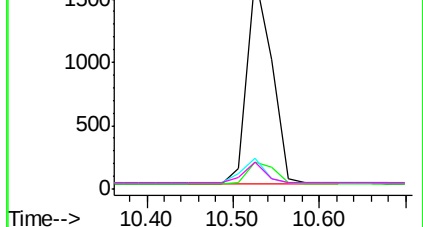


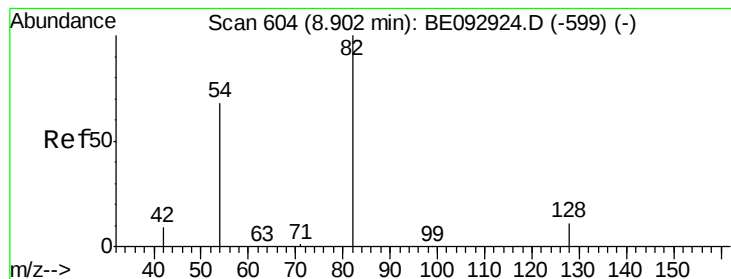
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.34 ng

RT: 8.90 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Instrument :

BNA\_E

ClientSampleId :

PB98667BL

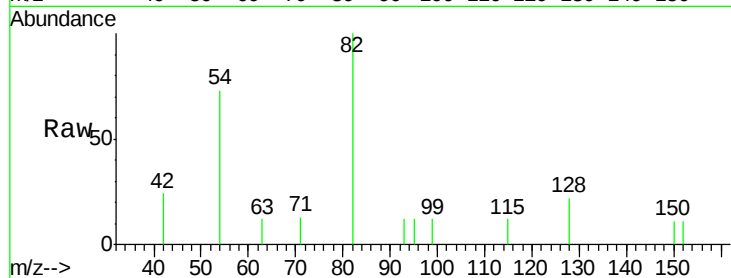
Tgt Ion: 82 Resp: 731

Ion Ratio Lower Upper

82 100

128 21.5 35.3 52.9#

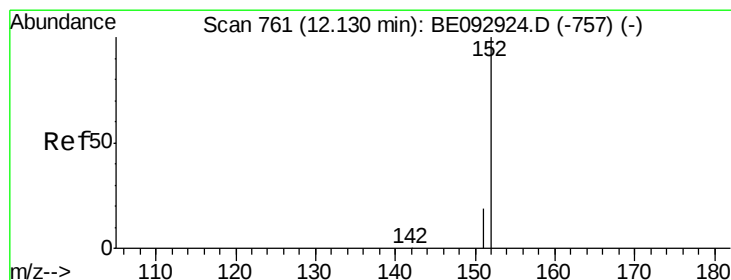
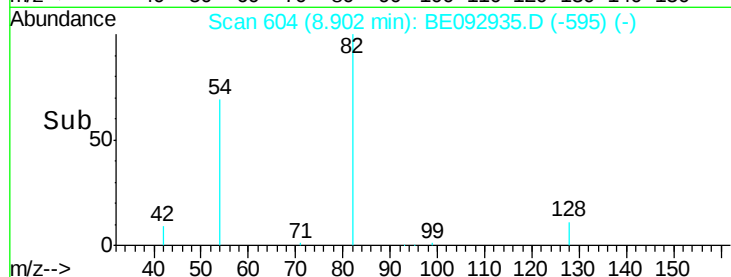
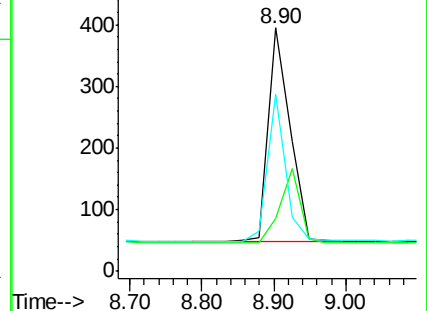
54 72.9 65.1 97.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.30 ng

RT: 12.13 min Scan# 761

Delta R.T. 0.00 min

Lab File: BE092935.D

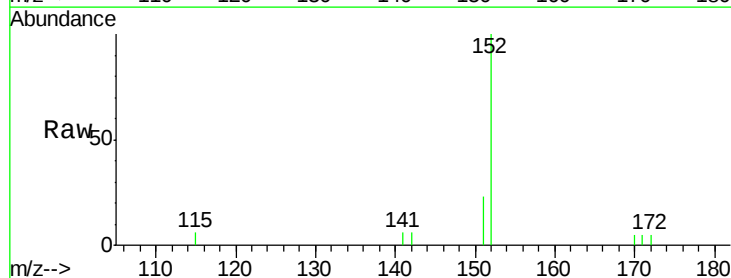
Acq: 5 May 2017 18:35

Tgt Ion: 152 Resp: 1448

Ion Ratio Lower Upper

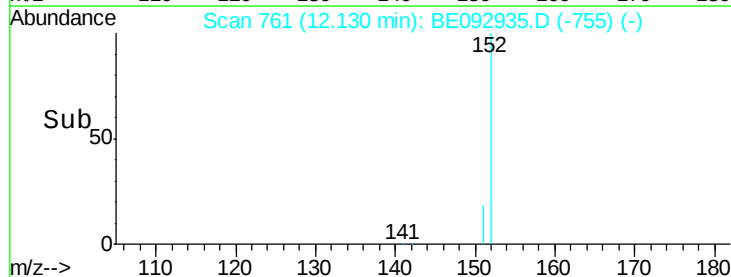
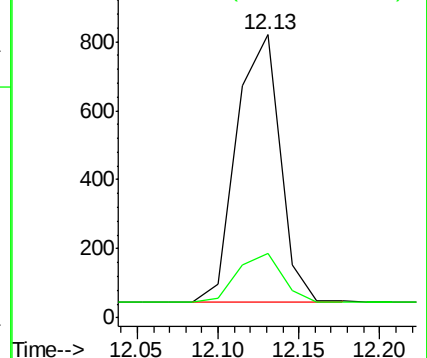
152 100

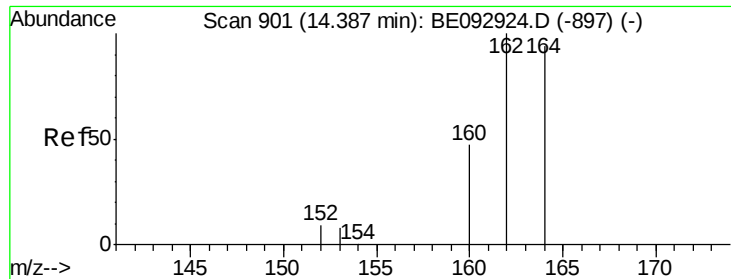
151 19.3 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

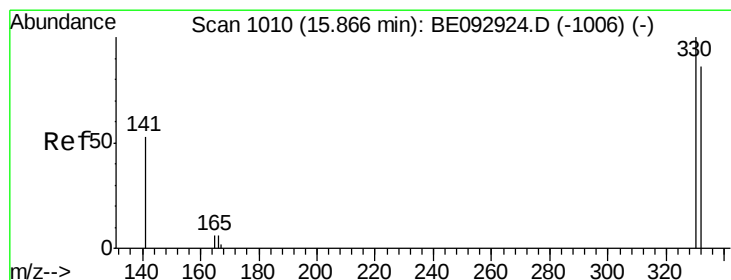
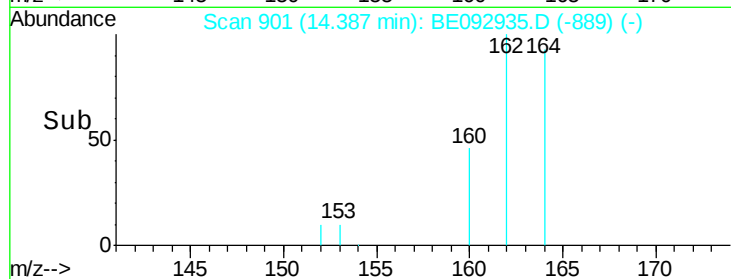
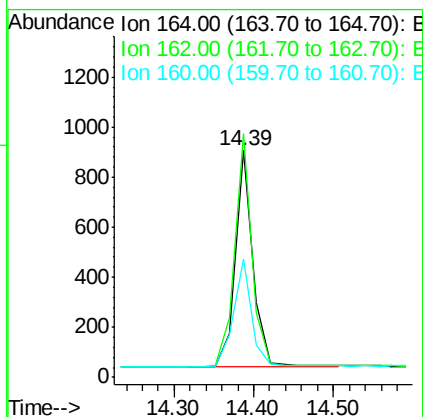
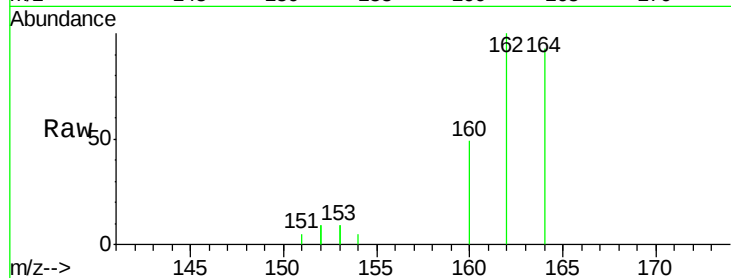




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE092935.D  
Acq: 5 May 2017 18:35

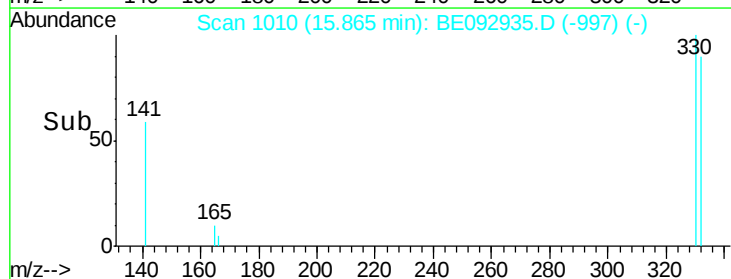
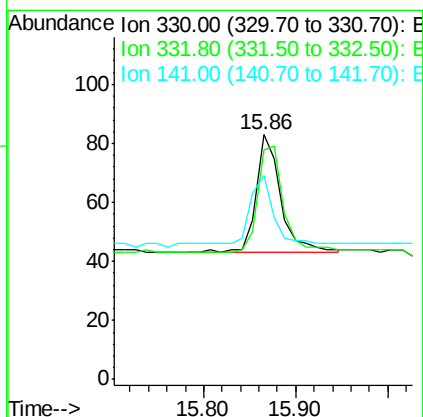
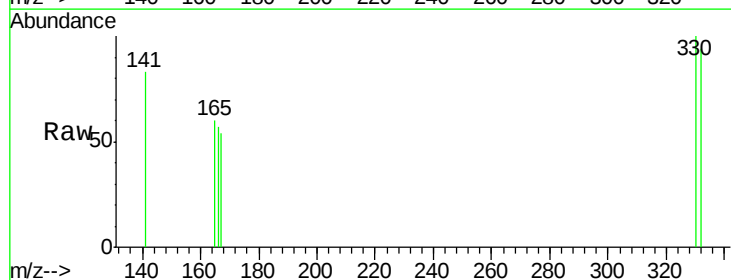
Instrument :  
BNA\_E  
ClientSampleId :  
PB98667BL

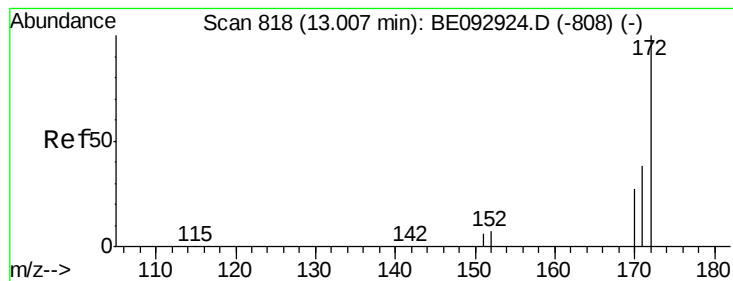
Tgt Ion:164 Resp: 1313  
Ion Ratio Lower Upper  
164 100  
162 107.4 86.6 130.0  
160 52.3 44.5 66.7



#14  
2,4,6-Tribromophenol  
Concen: 0.36 ng  
RT: 15.86 min Scan# 1010  
Delta R.T. -0.00 min  
Lab File: BE092935.D  
Acq: 5 May 2017 18:35

Tgt Ion:330 Resp: 75  
Ion Ratio Lower Upper  
330 100  
332 96.0 69.1 103.7  
141 56.0 54.6 81.8





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.01 min Scan# 818

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Instrument :

BNA\_E

ClientSampleId :

PB98667BL

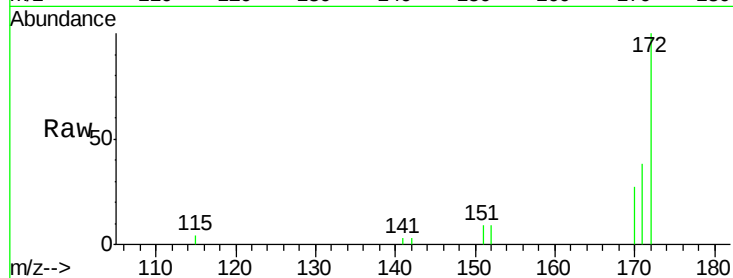
Tgt Ion:172 Resp: 2092

Ion Ratio Lower Upper

172 100

171 38.2 35.8 53.6

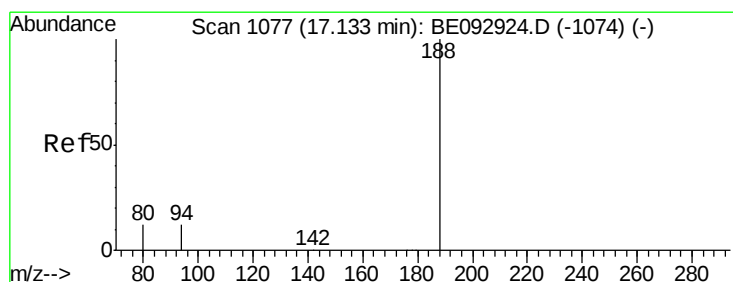
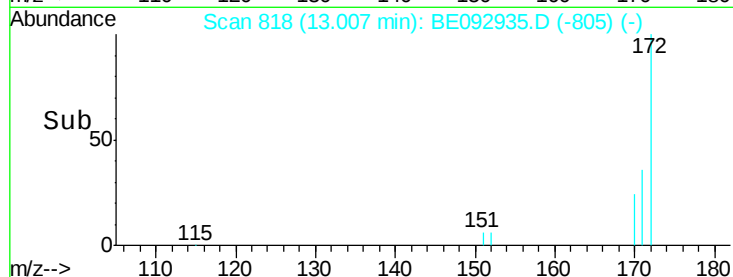
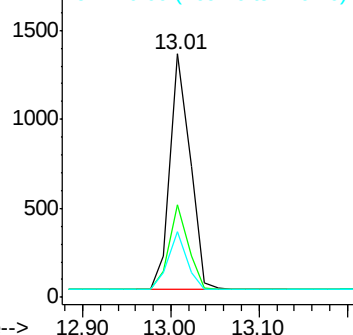
170 26.9 28.5 42.7#



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



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

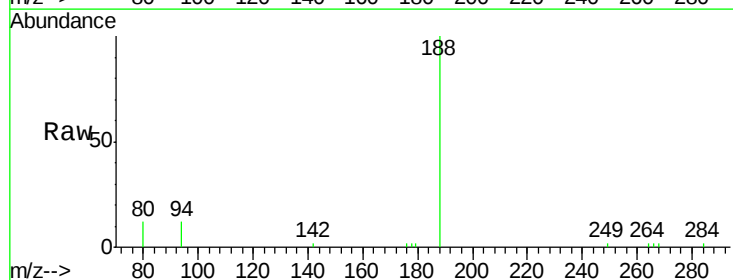
Tgt Ion:188 Resp: 3321

Ion Ratio Lower Upper

188 100

94 11.6 10.2 15.4

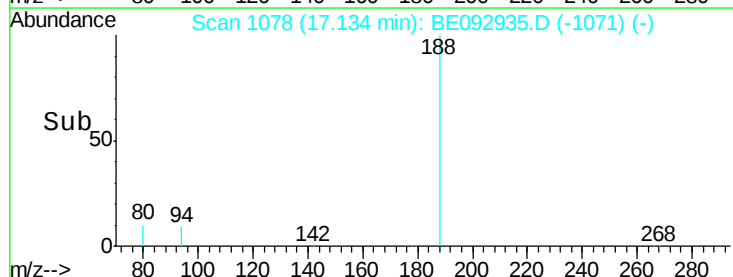
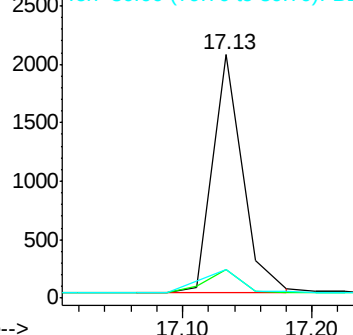
80 11.7 10.6 15.8

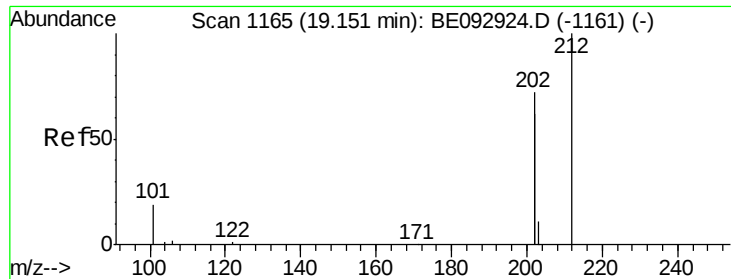


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

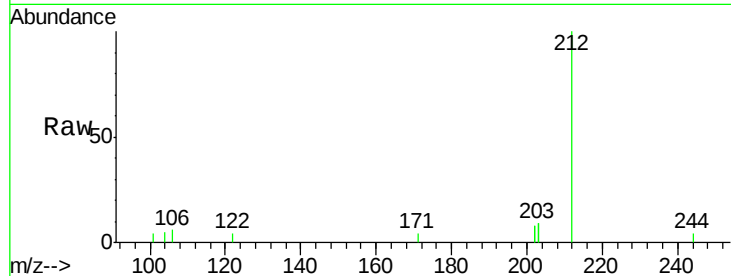




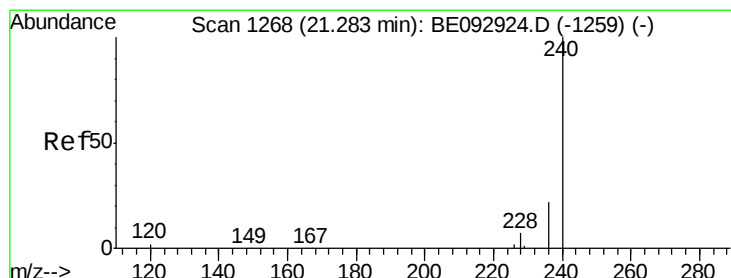
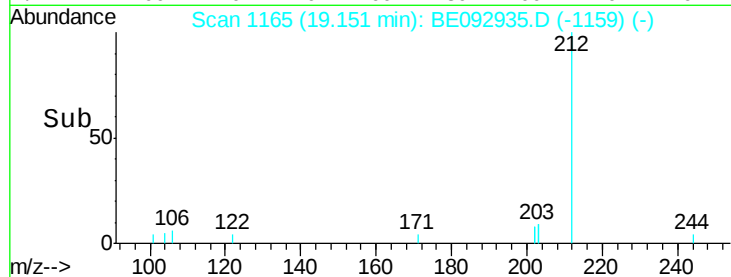
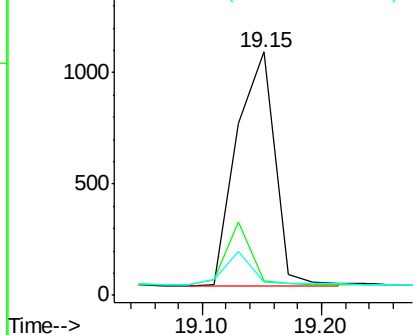
#24  
 Fluoranthene-d10  
 Concen: 0.30 ng  
 RT: 19.15 min Scan# 1165  
 Delta R.T. 0.00 min  
 Lab File: BE092935.D  
 Acq: 5 May 2017 18:35

Instrument :  
 BNA\_E  
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 PB98667BL

Tgt Ion: 212 Resp: 2324  
 Ion Ratio Lower Upper  
 212 100  
 106 0.0 0.0 0.0  
 104 0.0 0.0 0.0

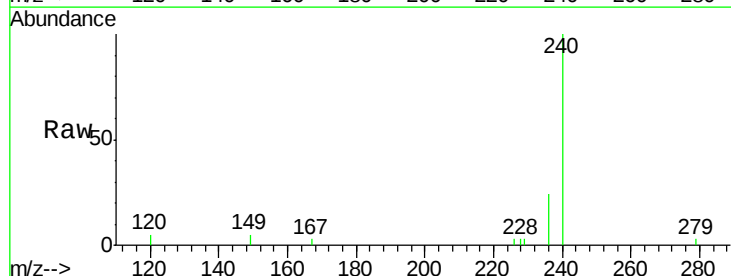


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

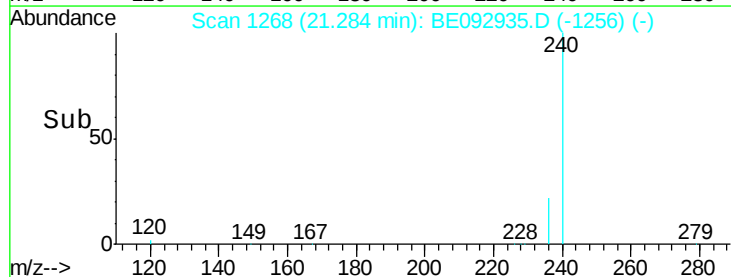
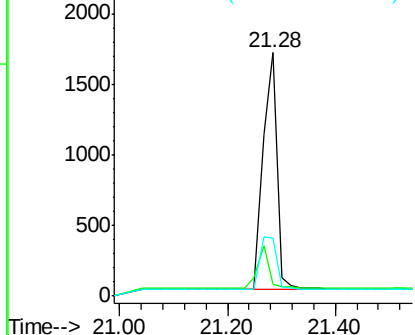


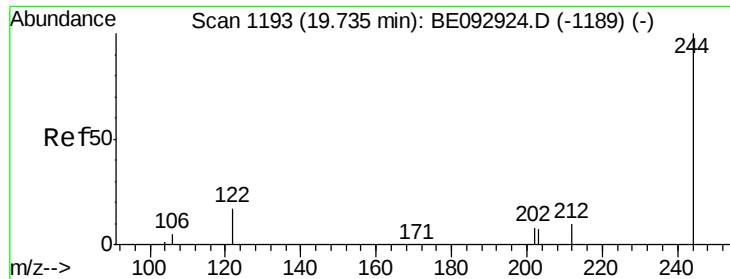
#26  
 Chrysene-d12  
 Concen: 0.40 ng  
 RT: 21.28 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: BE092935.D  
 Acq: 5 May 2017 18:35

Tgt Ion: 240 Resp: 3060  
 Ion Ratio Lower Upper  
 240 100  
 120 4.7 4.6 6.8  
 236 23.9 19.8 29.8



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





#28

Terphenyl-d14

Concen: 0.34 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

Instrument :

BNA\_E

ClientSampleId :

PB98667BL

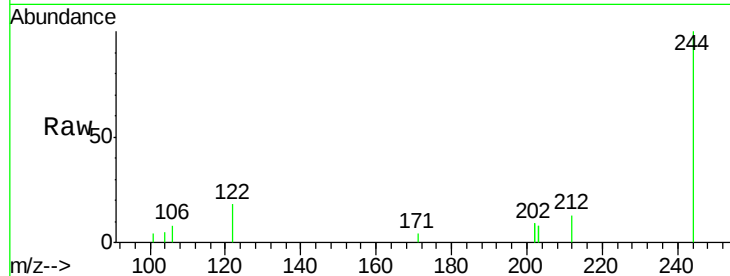
Tgt Ion:244 Resp: 1797

Ion Ratio Lower Upper

244 100

212 13.5 18.4 27.6#

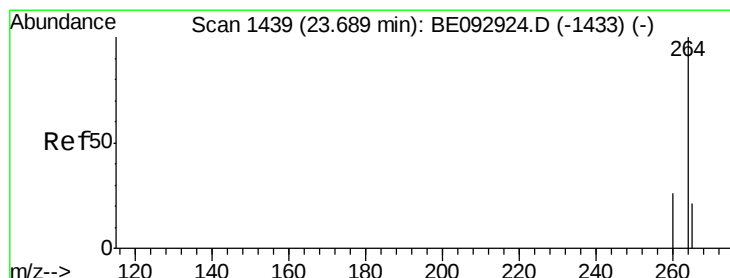
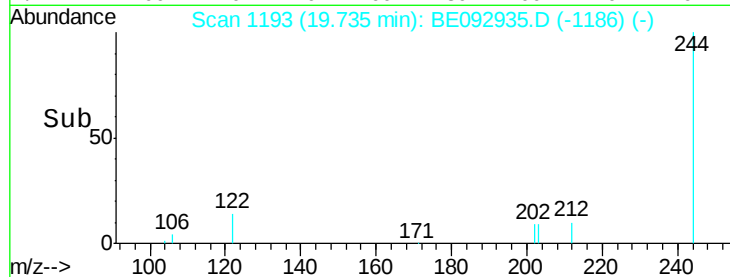
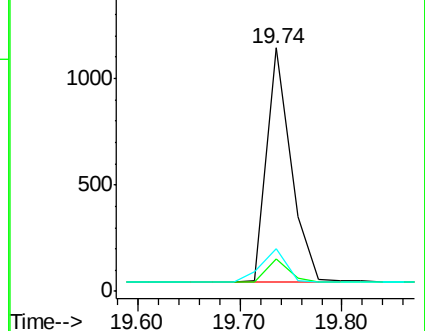
122 17.7 23.3 34.9#



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



#33

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BE092935.D

Acq: 5 May 2017 18:35

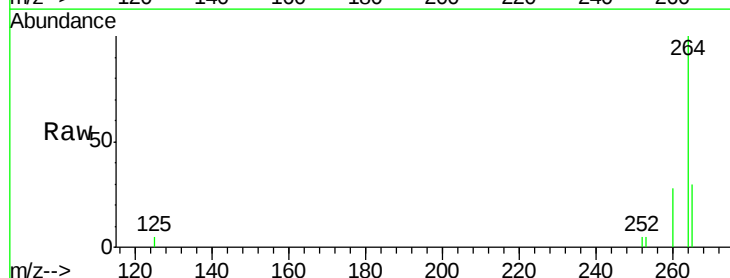
Tgt Ion:264 Resp: 2701

Ion Ratio Lower Upper

264 100

260 28.2 23.5 35.3

265 29.9 27.2 40.8



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

