

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102014\  
 Data File : BE088137.D  
 Acq On : 21 Oct 2014 11:52  
 Operator : TP/JJ  
 Sample : F4322-18  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 YS19-EB02-101514-SO

Quant Time: Oct 21 15:12:50 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE102014.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 21 02:11:14 2014  
 Response via : Initial Calibration

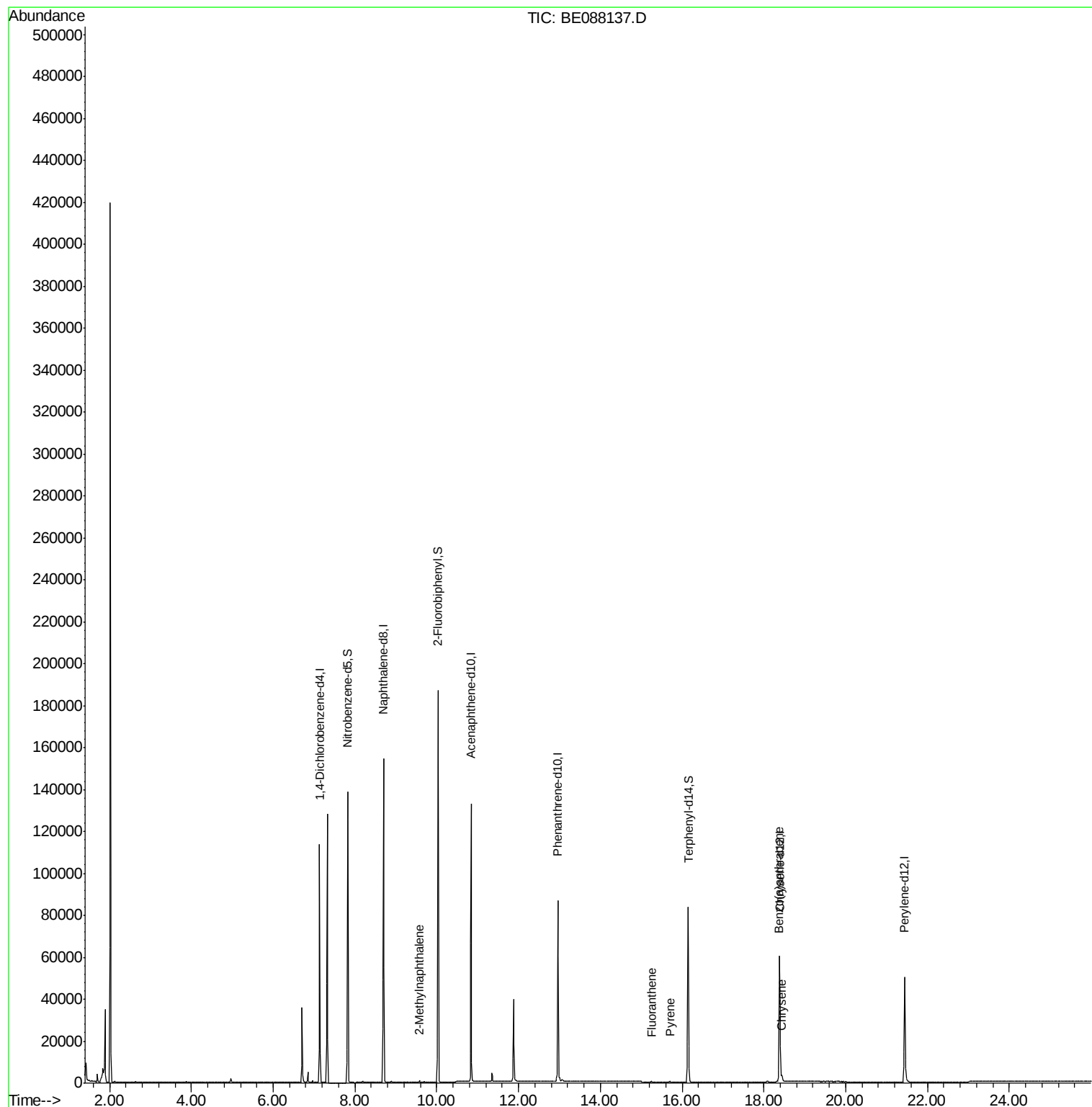
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.14  | 152  | 36710    | 5.00 | ng    | 0.00     |
| 3) Naphthalene-d8           | 8.70  | 136  | 135872   | 5.00 | ng    | 0.00     |
| 7) Acenaphthene-d10         | 10.85 | 164  | 59583    | 5.00 | ng    | 0.00     |
| 12) Phenanthrene-d10        | 12.96 | 188  | 106536   | 5.00 | ng    | 0.00     |
| 16) Chrysene-d12            | 18.38 | 240  | 71721    | 5.00 | ng    | 0.00     |
| 22) Perylene-d12            | 21.44 | 264  | 67457    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) Nitrobenzene-d5          | 7.82  | 82   | 71255    | 7.27 | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 10.03 | 172  | 122759   | 7.46 | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.15 | 244  | 108437   | 9.40 | ng    | 0.00     |
| Target Compounds            |       |      |          |      |       | Qvalue   |
| 6) 2-Methylnaphthalene      | 9.58  | 142  | 599      | 0.04 | ng    | # 95     |
| 15) Fluoranthene            | 15.25 | 202  | 1007     | 0.05 | ng    | 99       |
| 17) Pyrene                  | 15.70 | 202  | 1076     | 0.06 | ng    | 98       |
| 19) Benzo(a)anthracene      | 18.37 | 228  | 3276     | 0.05 | ng    | # 82     |
| 20) Chrysene                | 18.44 | 228  | 3718     | 0.06 | ng    | # 85     |

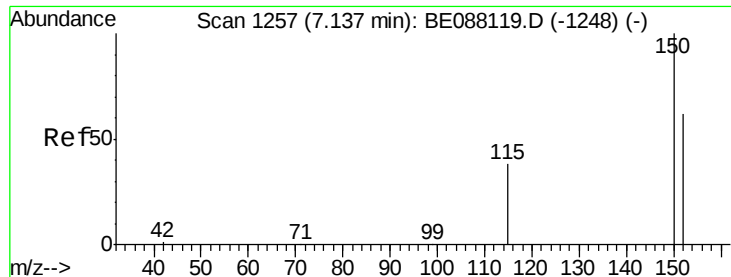
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088137.D

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Instrument :

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ClientSampleId :

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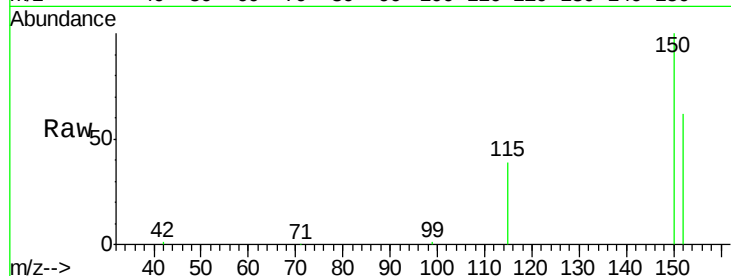
Tgt Ion:152 Resp: 36710

Ion Ratio Lower Upper

152 100

150 161.6 129.2 193.8

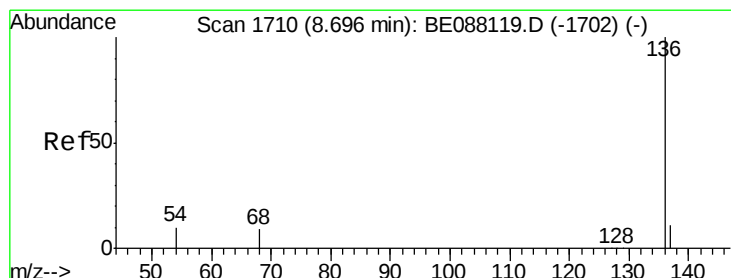
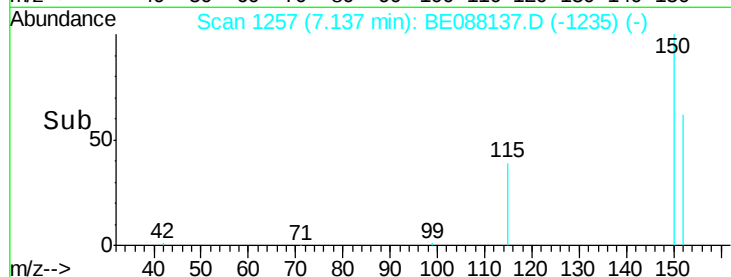
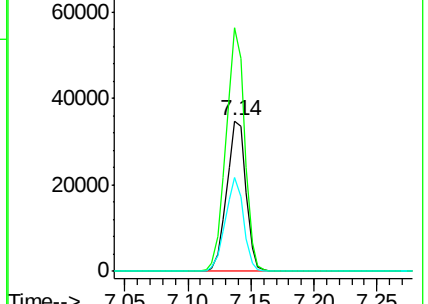
115 62.4 49.3 73.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

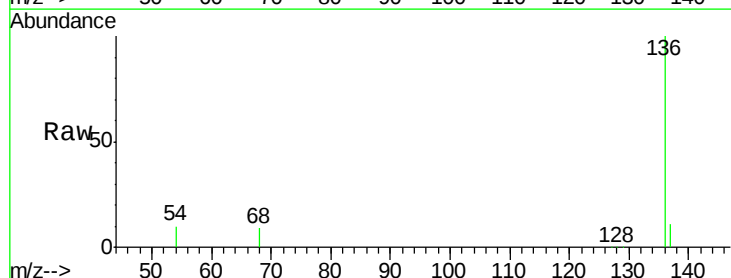
Tgt Ion:136 Resp: 135872

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

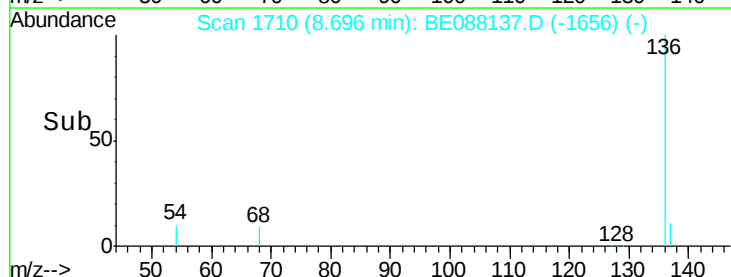
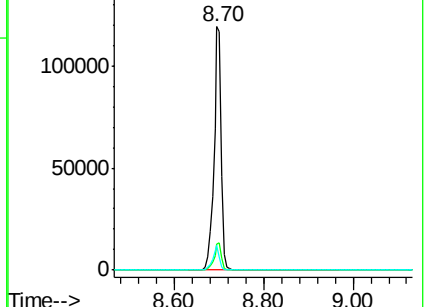
54 9.9 7.7 11.5

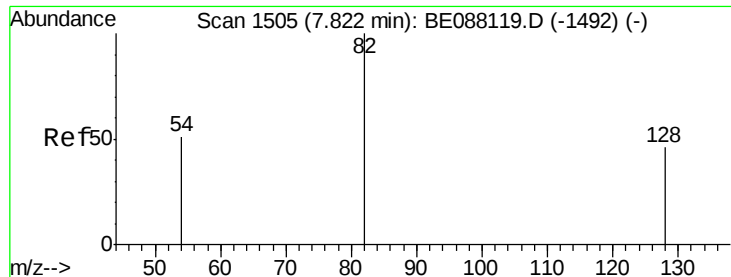


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 7.27 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

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ClientSampleId :

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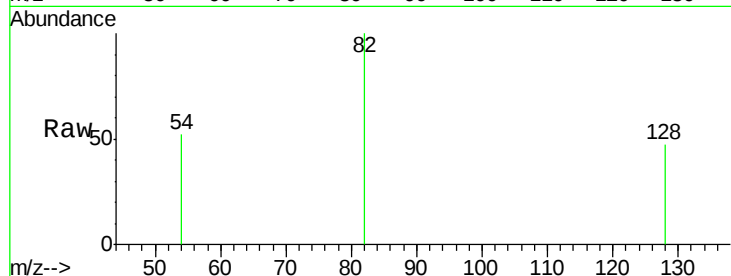
Tgt Ion: 82 Resp: 71255

Ion Ratio Lower Upper

82 100

128 47.2 37.1 55.7

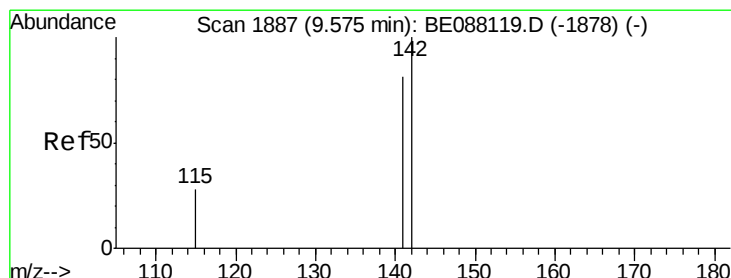
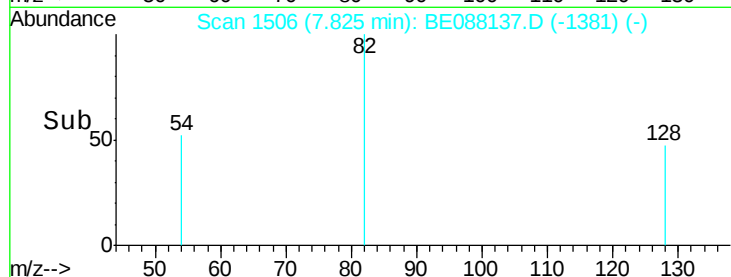
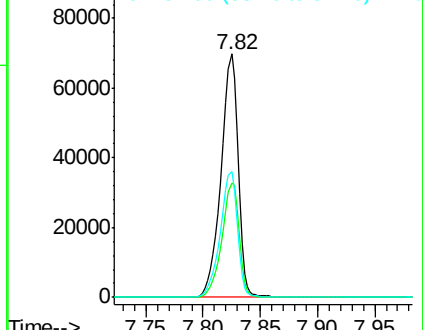
54 51.6 41.1 61.7



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



#6

2-Methylnaphthalene

Concen: 0.04 ng

RT: 9.58 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

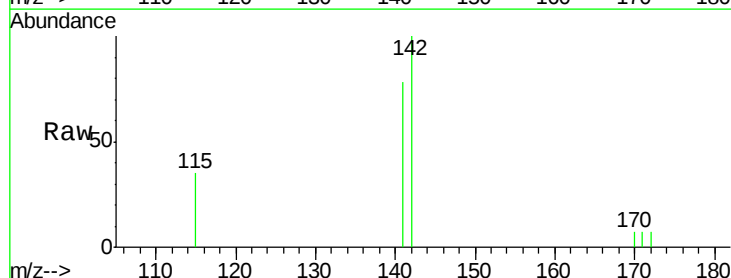
Tgt Ion: 142 Resp: 599

Ion Ratio Lower Upper

142 100

141 78.4 64.6 97.0

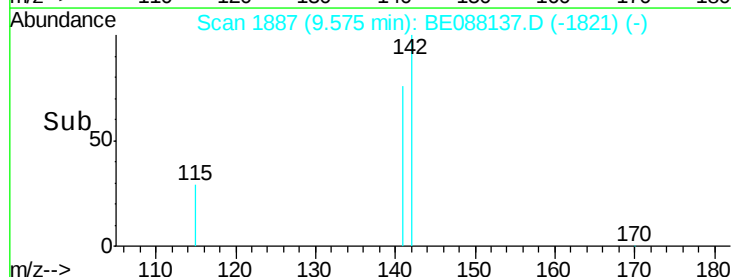
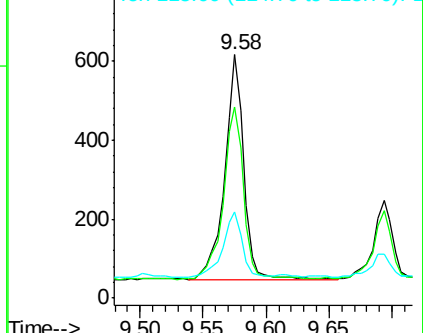
115 35.2 22.6 34.0#

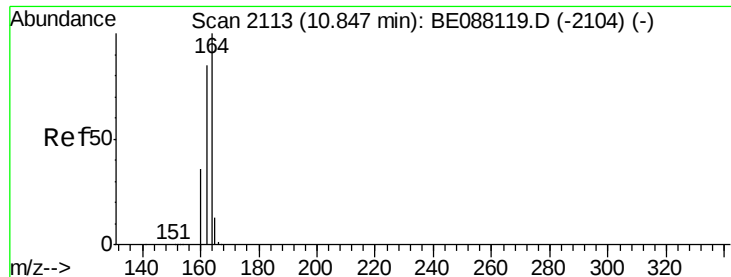


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

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YS19-EB02-101514-SO

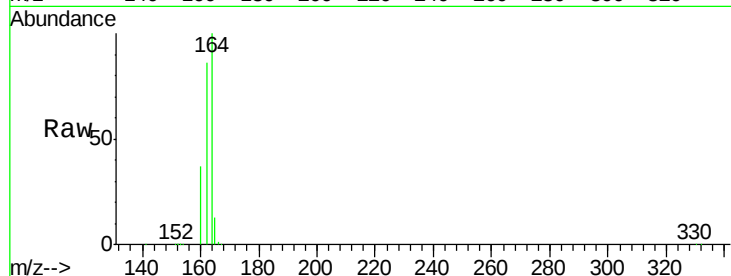
Tgt Ion:164 Resp: 59583

Ion Ratio Lower Upper

164 100

162 86.3 68.3 102.5

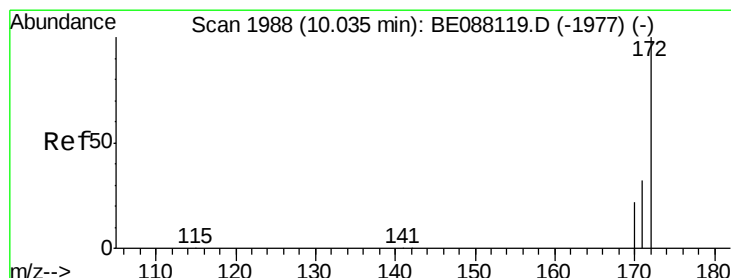
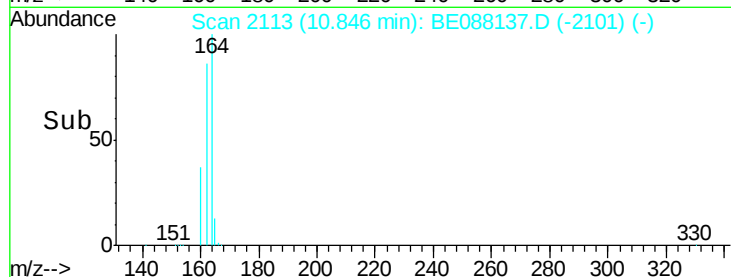
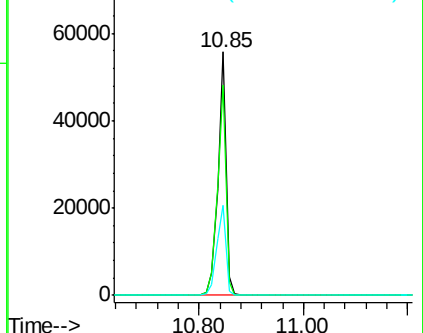
160 37.0 28.7 43.1



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



#8

2-Fluorobiphenyl

Concen: 7.46 ng

RT: 10.03 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

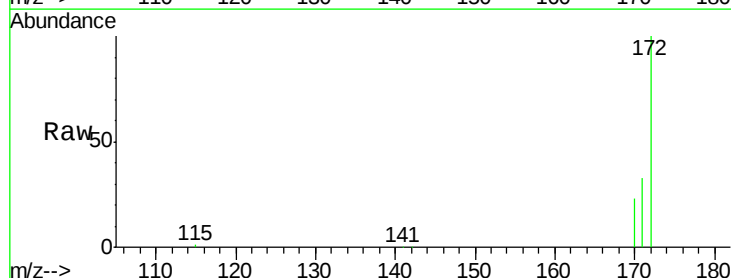
Tgt Ion:172 Resp: 122759

Ion Ratio Lower Upper

172 100

171 32.6 25.4 38.2

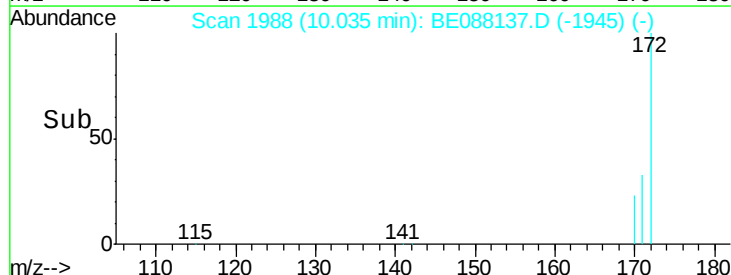
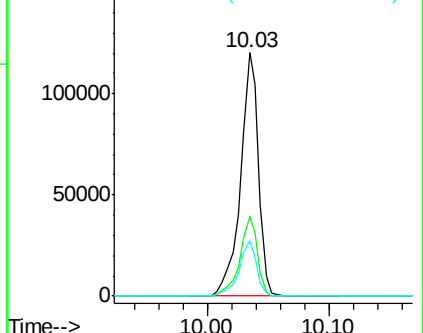
170 22.5 17.4 26.2

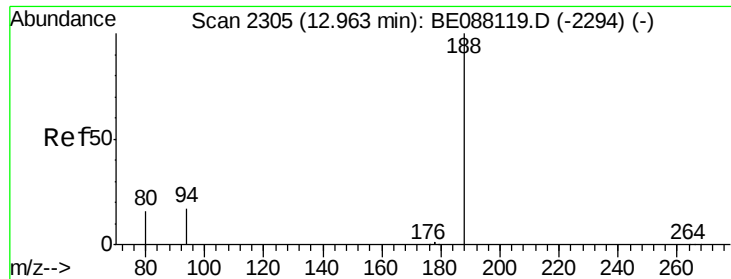


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

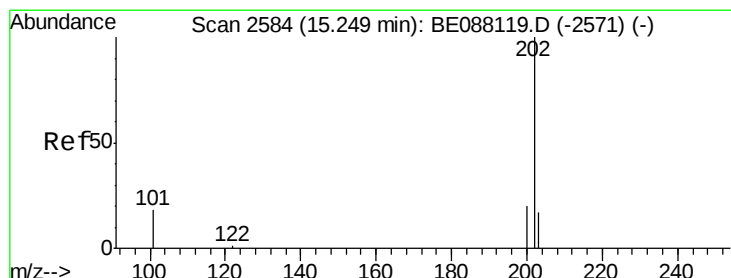
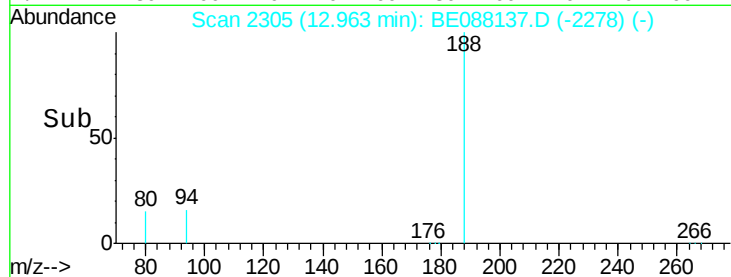
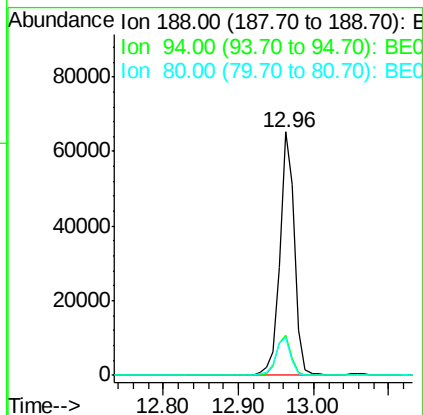
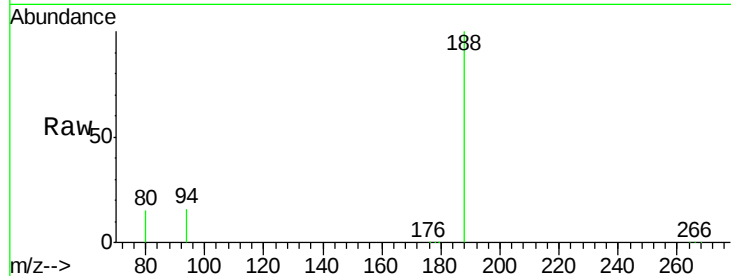




#12  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 12.96 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: BE088137.D  
Acq: 21 Oct 2014 11:52

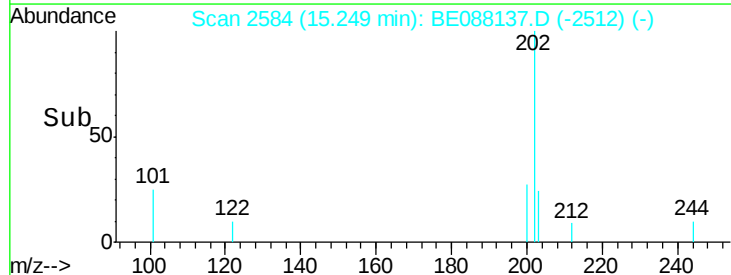
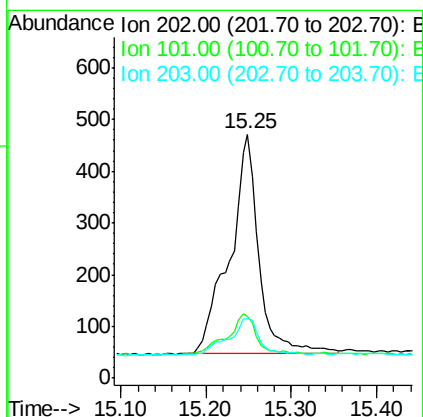
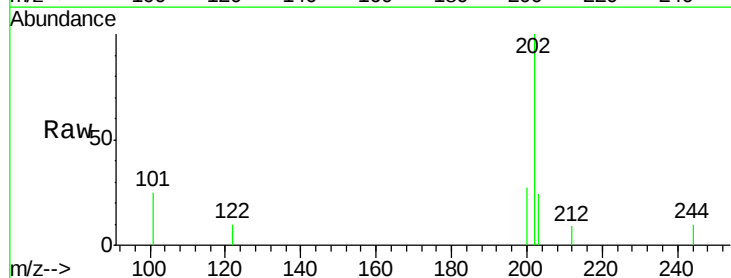
Instrument :  
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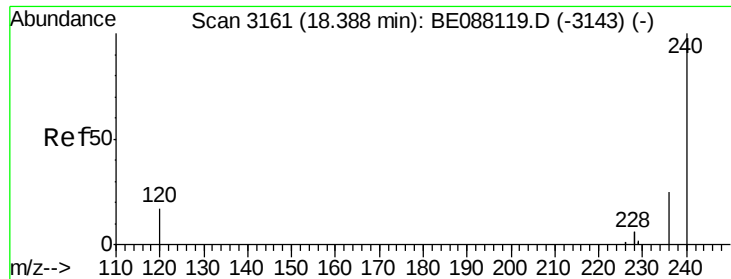
Tgt Ion:188 Resp: 106536  
Ion Ratio Lower Upper  
188 100  
94 16.5 13.9 20.9  
80 15.2 12.9 19.3



#15  
Fluoranthene  
Concen: 0.05 ng  
RT: 15.25 min Scan# 2584  
Delta R.T. -0.00 min  
Lab File: BE088137.D  
Acq: 21 Oct 2014 11:52

Tgt Ion:202 Resp: 1007  
Ion Ratio Lower Upper  
202 100  
101 17.7 14.8 22.2  
203 16.7 13.5 20.3





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA\_E

ClientSampleId :

YS19-EB02-101514-SO

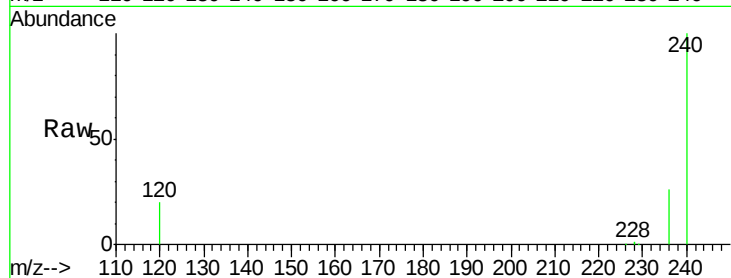
Tgt Ion:240 Resp: 71721

Ion Ratio Lower Upper

240 100

120 20.4 13.9 20.9

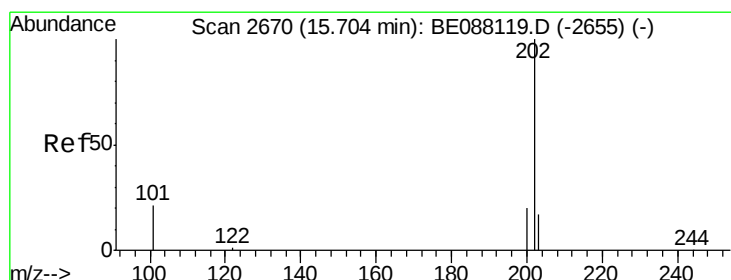
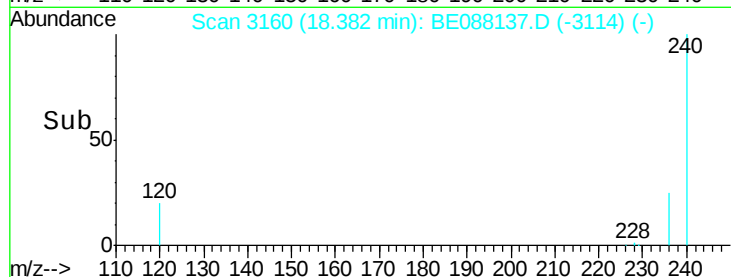
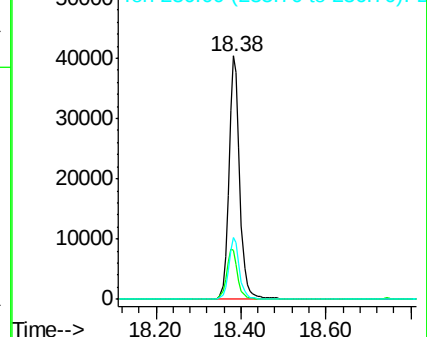
236 25.5 19.9 29.9



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



#17

Pyrene

Concen: 0.06 ng

RT: 15.70 min Scan# 2670

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

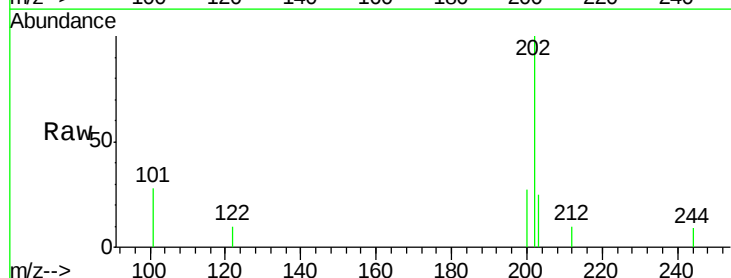
Tgt Ion:202 Resp: 1076

Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

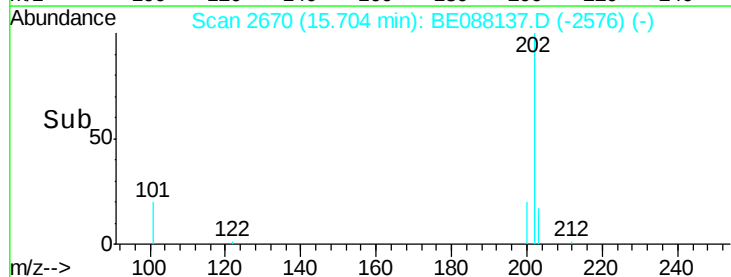
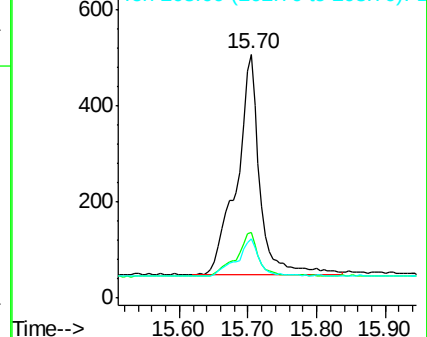
203 16.4 13.9 20.9

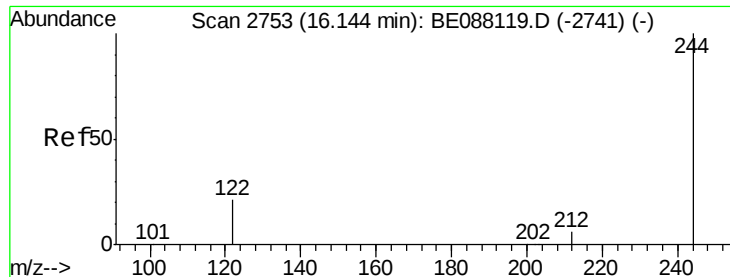


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 9.40 ng

RT: 16.15 min Scan# 2754

Delta R.T. 0.01 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

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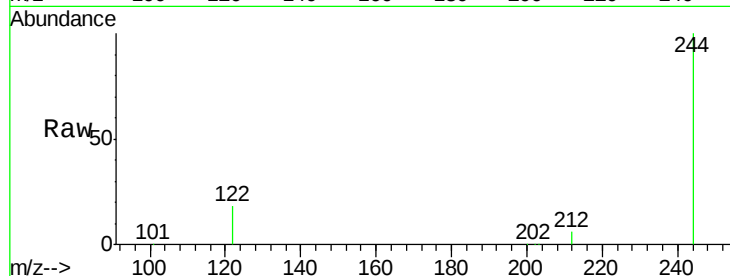
Tgt Ion:244 Resp: 108437

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

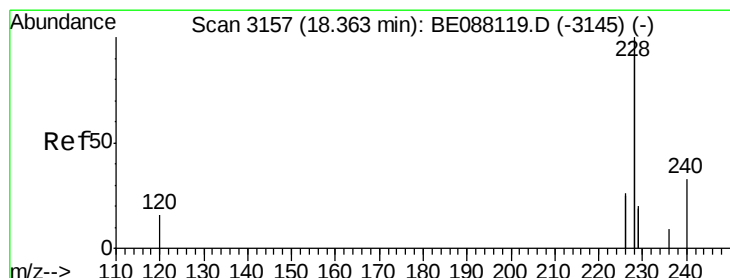
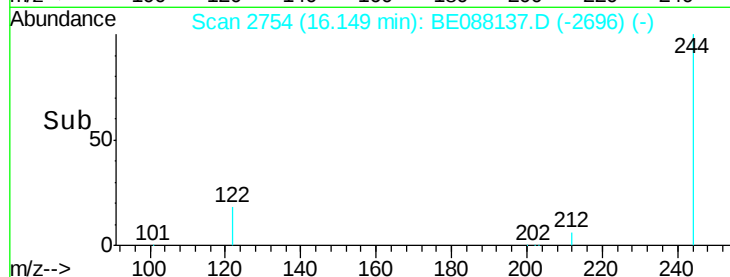
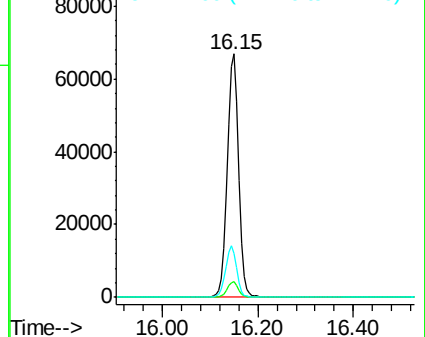
122 18.3 17.5 26.3



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



#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 18.37 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

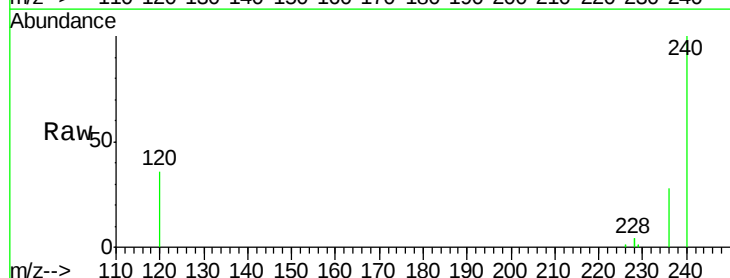
Tgt Ion:228 Resp: 3276

Ion Ratio Lower Upper

228 100

226 32.4 20.8 31.2#

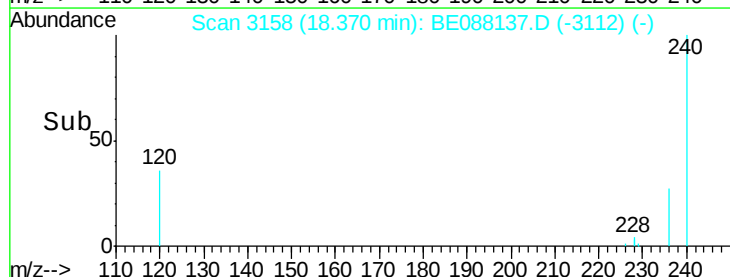
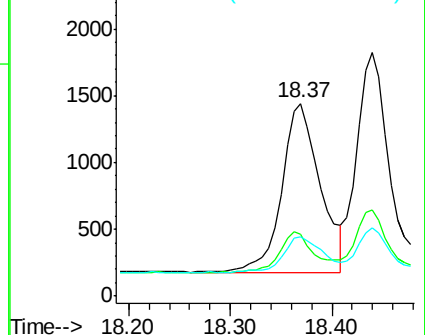
229 31.1 15.6 23.4#

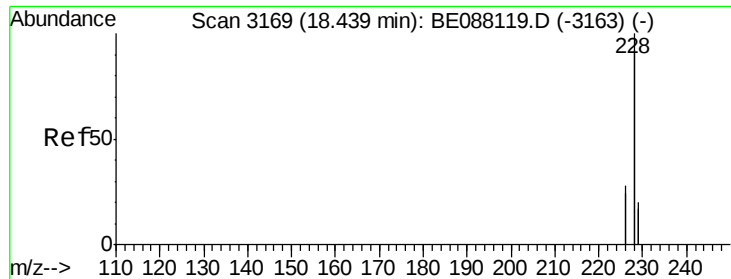


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.06 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088137.D

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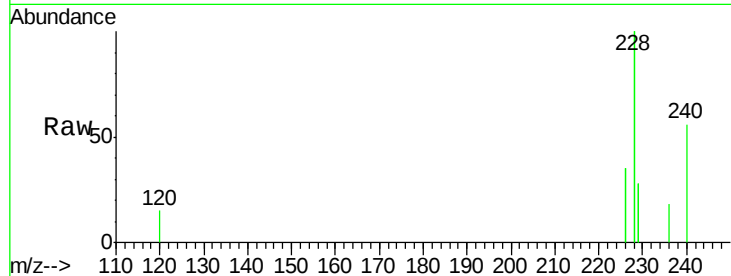
Tgt Ion:228 Resp: 3718

Ion Ratio Lower Upper

228 100

226 35.5 22.7 34.1#

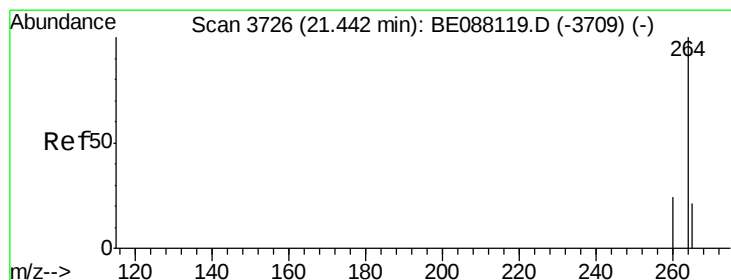
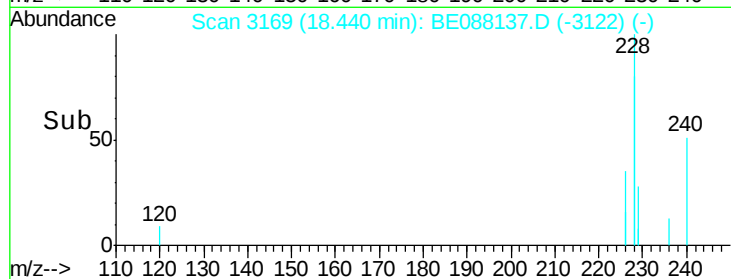
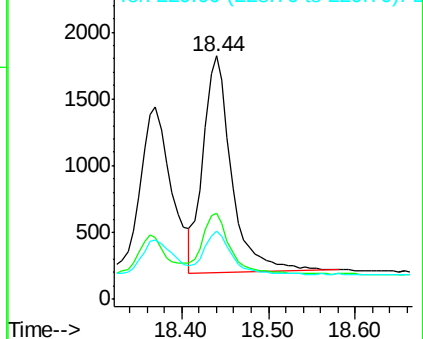
229 27.8 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

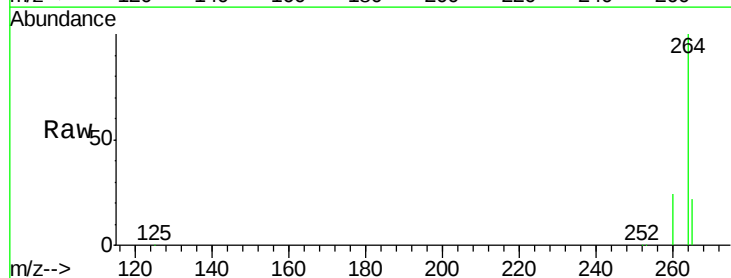
Tgt Ion:264 Resp: 67457

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.5 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

