

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE091015\  
 Data File : BE090774.D  
 Acq On : 10 Sep 2015 22:59  
 Operator : UM/IZ  
 Sample : G3598-14  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 090815-D534-F-U-S

Quant Time: Sep 11 03:46:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 11:40:50 2015  
 Response via : Initial Calibration

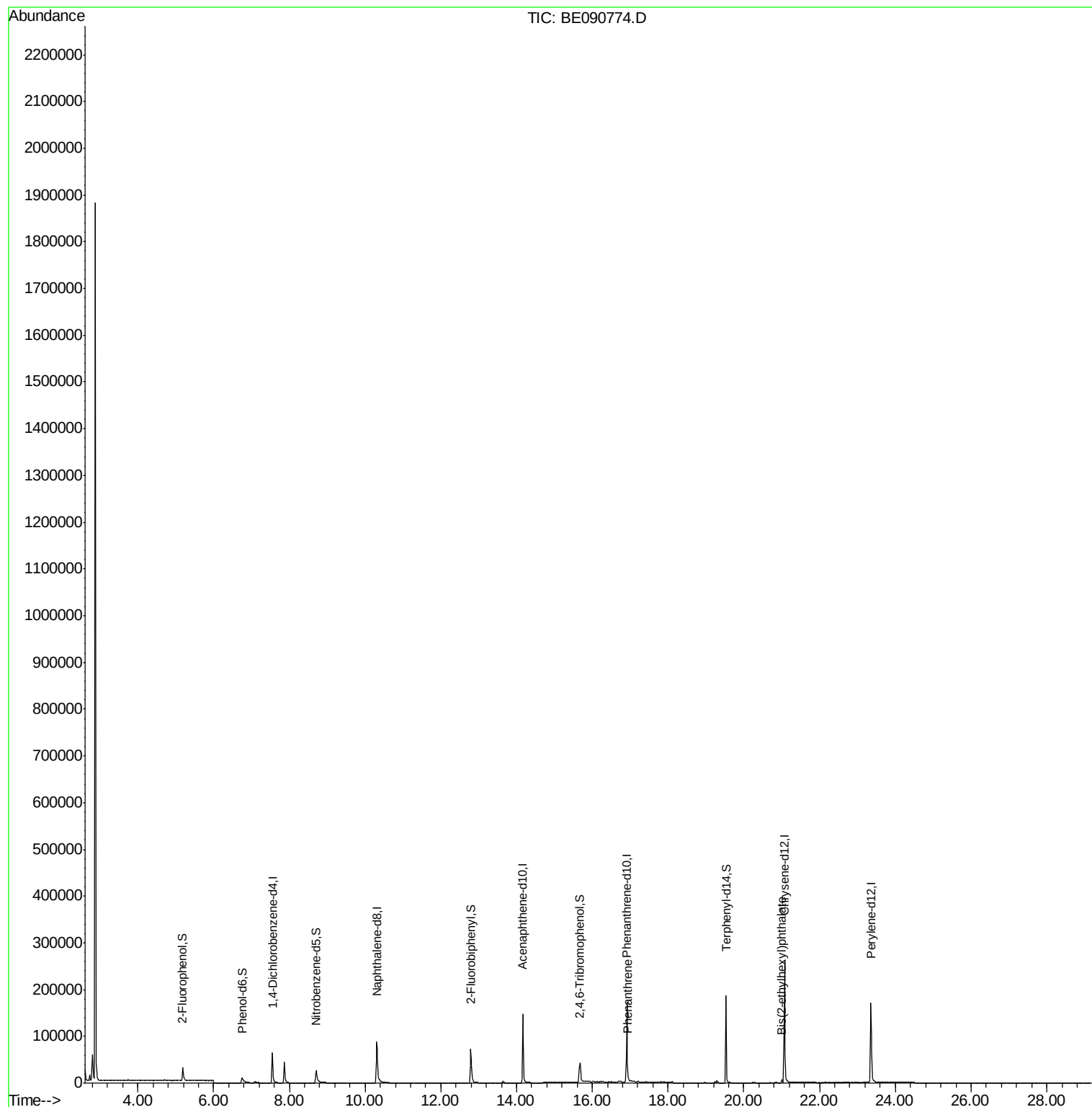
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 38312    | 5.00 | ng    | 0.00        |
| 6) Naphthalene-d8              | 10.31 | 136  | 172655   | 5.00 | ng    | 0.00        |
| 12) Acenaphthene-d10           | 14.17 | 164  | 89735    | 5.00 | ng    | 0.00        |
| 18) Phenanthrene-d10           | 16.91 | 188  | 225973   | 5.00 | ng    | 0.00        |
| 25) Chrysene-d12               | 21.07 | 240  | 270812   | 5.00 | ng    | 0.00        |
| 32) Perylene-d12               | 23.36 | 264  | 245621   | 5.00 | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |      |       |             |
| 4) 2-Fluorophenol              | 5.18  | 112  | 30342    | 4.07 | ng    | 0.00        |
| 5) Phenol-d6                   | 6.75  | 99   | 27158    | 2.55 | ng    | 0.00        |
| 7) Nitrobenzene-d5             | 8.71  | 82   | 47956    | 4.20 | ng    | 0.00        |
| 13) 2,4,6-Tribromophenol       | 15.67 | 330  | 23937    | 9.07 | ng    | 0.00        |
| 14) 2-Fluorobiphenyl           | 12.79 | 172  | 108467   | 4.36 | ng    | 0.00        |
| 27) Terphenyl-d14              | 19.53 | 244  | 191616   | 6.40 | ng    | -0.01       |
| Target Compounds               |       |      |          |      |       |             |
| 22) Phenanthrene               | 16.94 | 178  | 1121     | 0.02 | ng    | Qvalue # 80 |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 6155     | 0.45 | ng    | 96          |

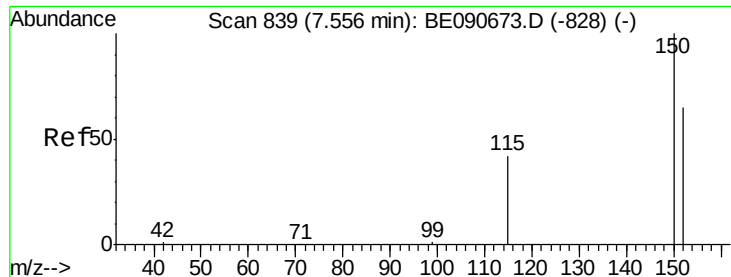
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 11:40:50 2015  
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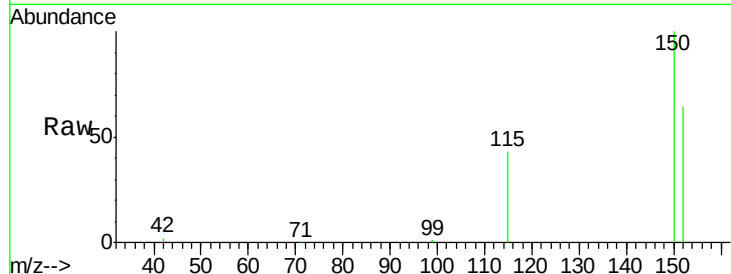




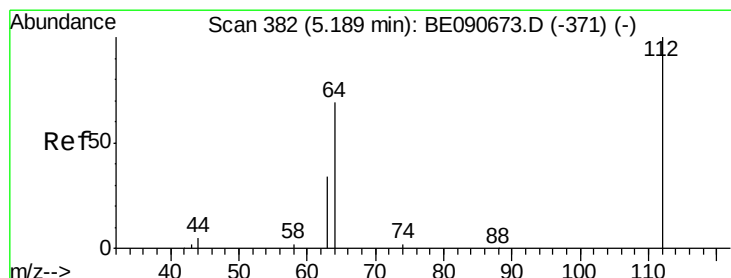
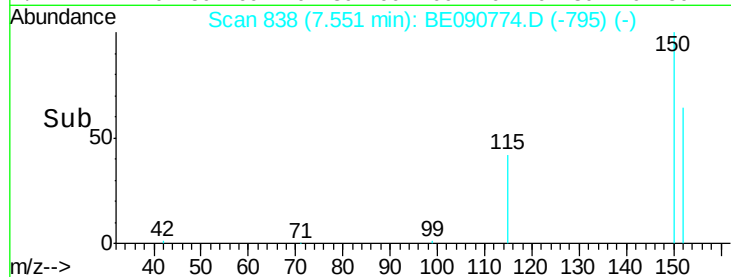
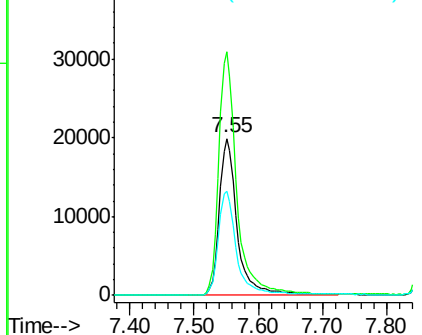
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.55 min Scan# 838  
 Delta R.T. -0.01 min  
 Lab File: BE090774.D  
 Acq: 10 Sep 2015 22:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 090815-D534-F-U-S

Tgt Ion:152 Resp: 38312  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 122.2 183.4  
 115 66.2 51.0 76.4

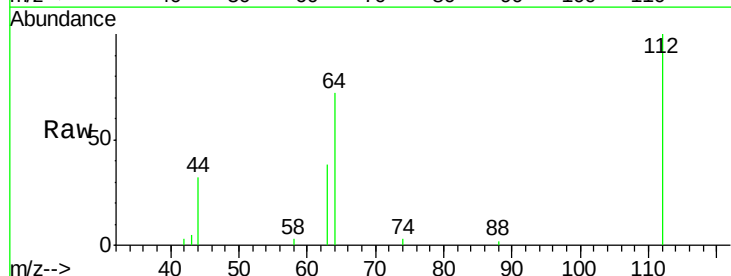


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

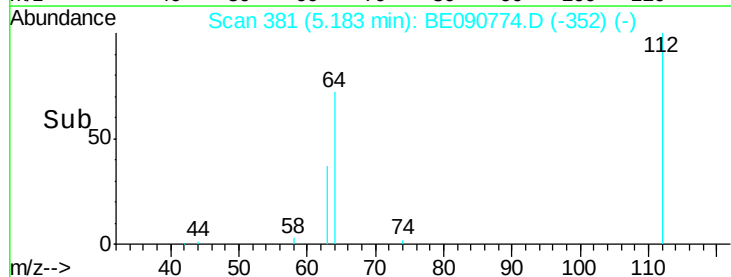
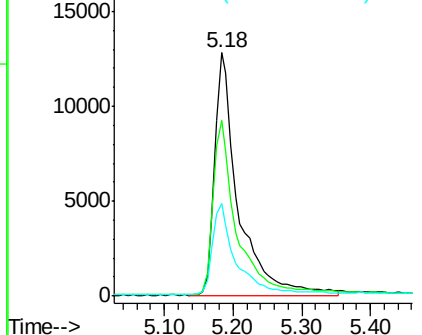


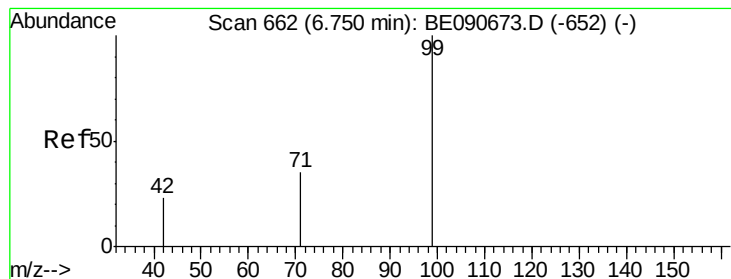
#4  
 2-Fluorophenol  
 Concen: 4.07 ng  
 RT: 5.18 min Scan# 381  
 Delta R.T. -0.00 min  
 Lab File: BE090774.D  
 Acq: 10 Sep 2015 22:59

Tgt Ion:112 Resp: 30342  
 Ion Ratio Lower Upper  
 112 100  
 64 71.9 57.3 85.9  
 63 37.4 29.2 43.8



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: 2.55 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

Instrument :

BNA\_E

ClientSampleId :

090815-D534-F-U-S

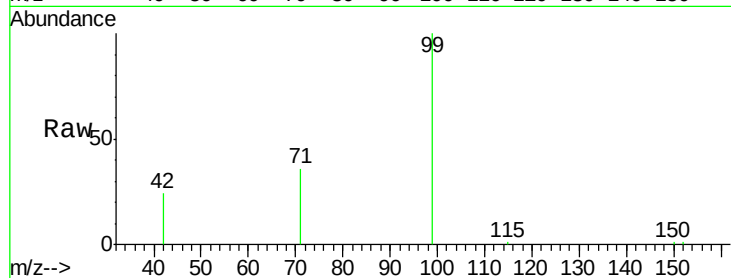
Tgt Ion: 99 Resp: 27158

Ion Ratio Lower Upper

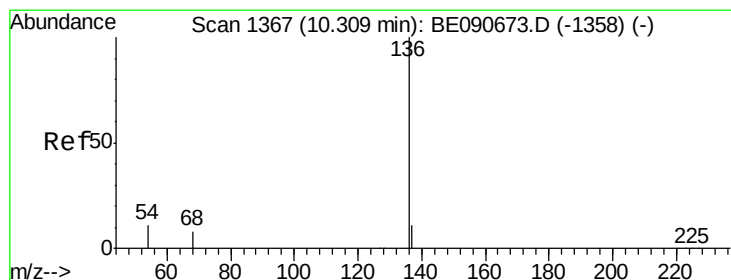
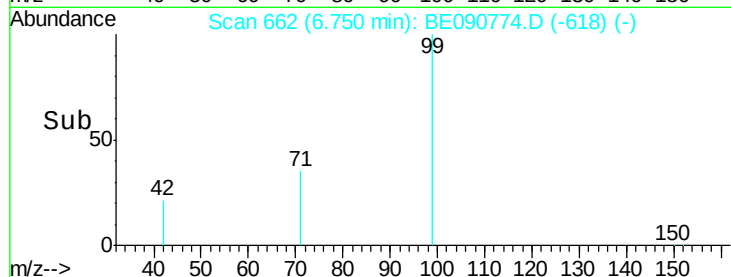
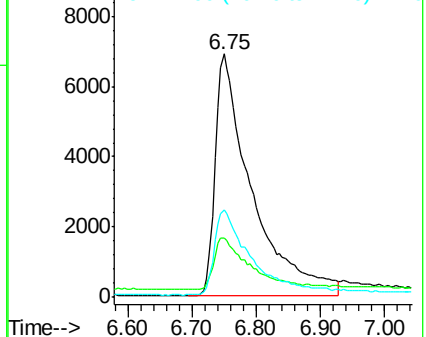
99 100

42 21.1 16.8 25.2

71 35.9 28.3 42.5



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

Tgt Ion: 136 Resp: 172655

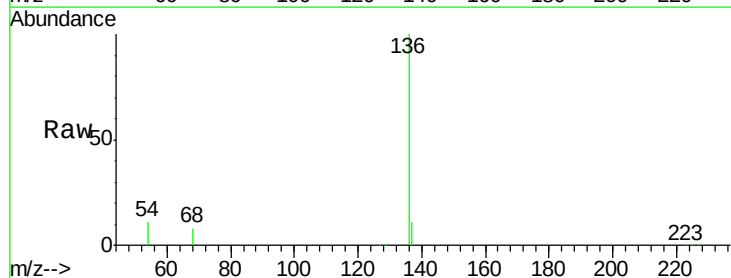
Ion Ratio Lower Upper

136 100

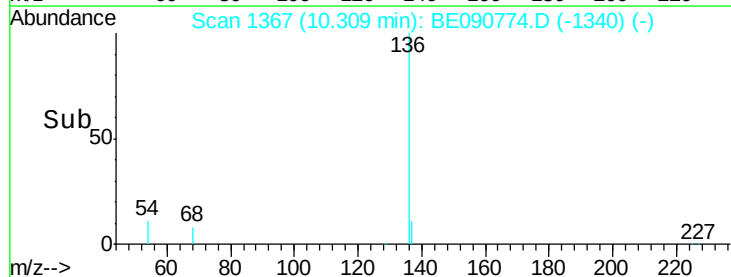
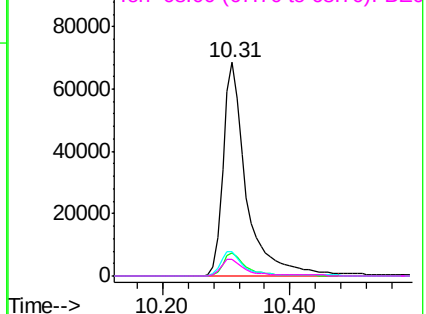
137 10.9 8.7 13.1

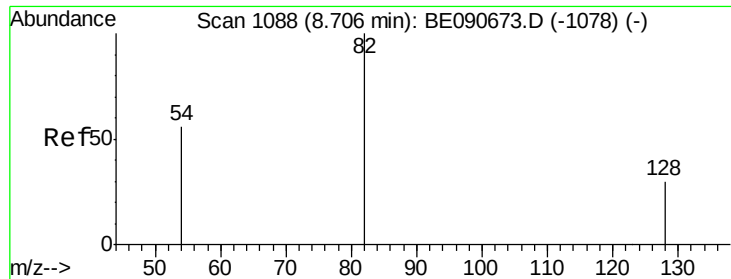
54 11.2 9.0 13.6

68 8.1 6.3 9.5



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  
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.20 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

Instrument :

BNA\_E

ClientSampleId :

090815-D534-F-U-S

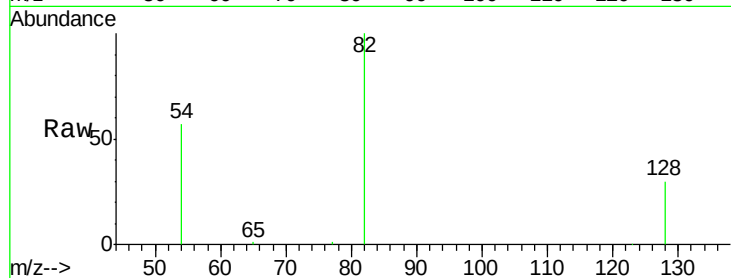
Tgt Ion: 82 Resp: 47956

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 56.6 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE090774.D (-1044) (-)

Ion 128.00 (127.70 to 128.70): BE090774.D (-1044) (-)

Ion 54.00 (53.70 to 54.70): BE090774.D (-1044) (-)

8.71

15000

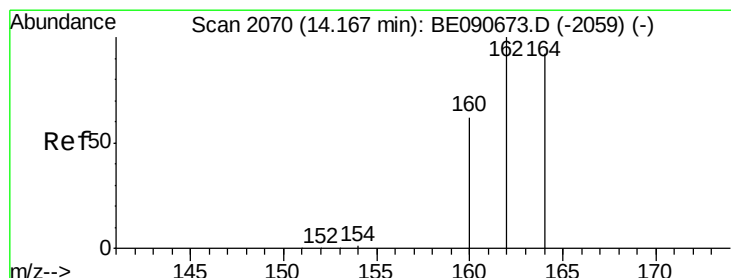
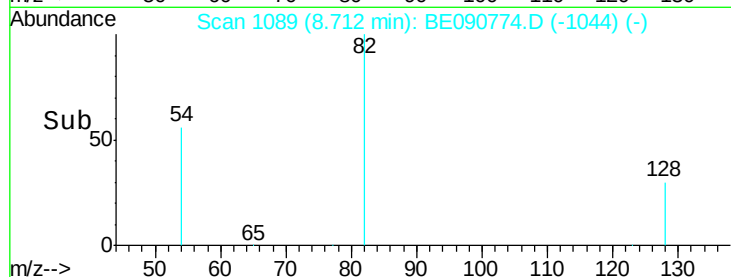
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

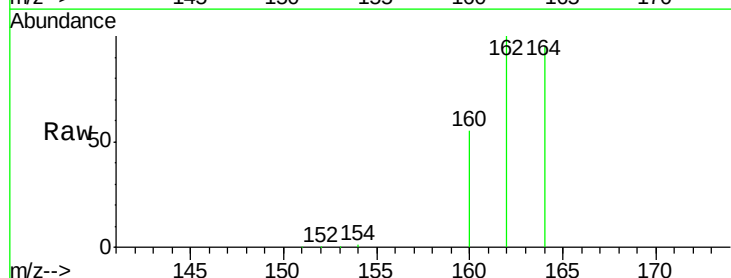
Tgt Ion: 164 Resp: 89735

Ion Ratio Lower Upper

164 100

162 105.0 86.8 130.2

160 57.5 53.9 80.9



Abundance Ion 164.00 (163.70 to 164.70): BE090774.D (-2039) (-)

Ion 162.00 (161.70 to 162.70): BE090774.D (-2039) (-)

Ion 160.00 (159.70 to 160.70): BE090774.D (-2039) (-)

14.17

80000

60000

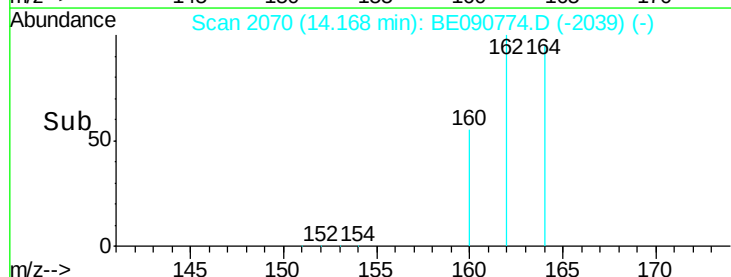
40000

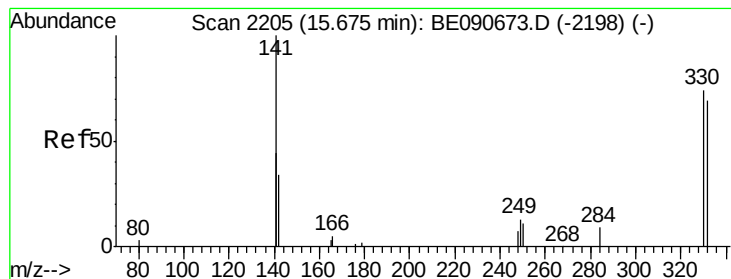
20000

0

Time-->

14.00 14.20 14.40





#13

2,4,6-Tribromophenol

Concen: 9.07 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

Instrument :

BNA\_E

ClientSampleId :

090815-D534-F-U-S

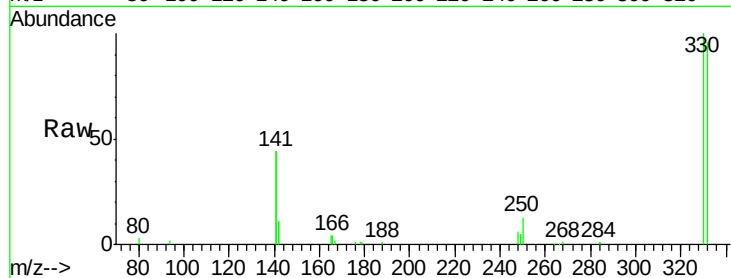
Tgt Ion:330 Resp: 23937

Ion Ratio Lower Upper

330 100

332 96.7 74.9 112.3

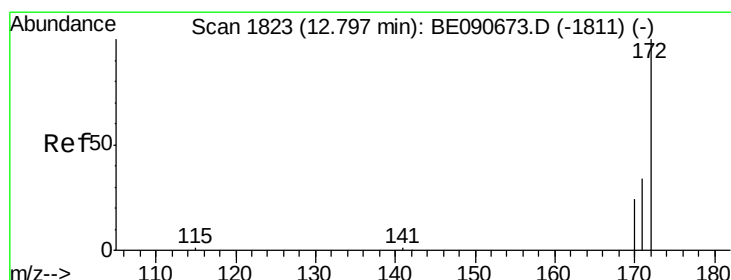
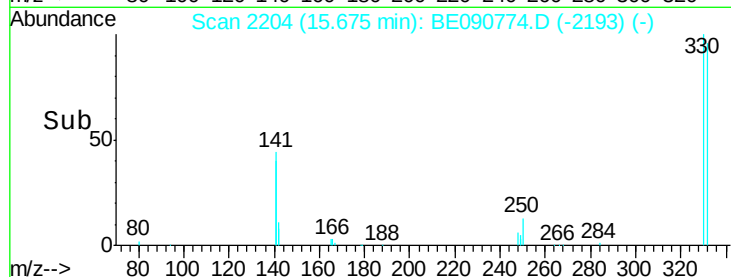
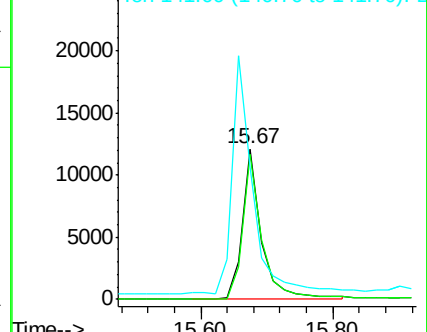
141 173.4 145.2 217.8



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



#14

2-Fluorobiphenyl

Concen: 4.36 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

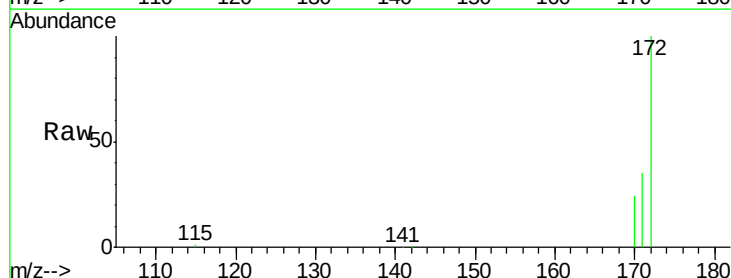
Tgt Ion:172 Resp: 108467

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.8

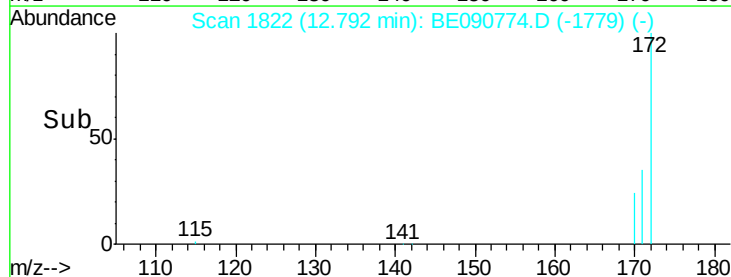
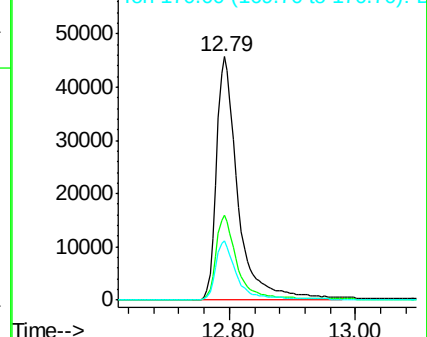
170 24.3 19.8 29.6

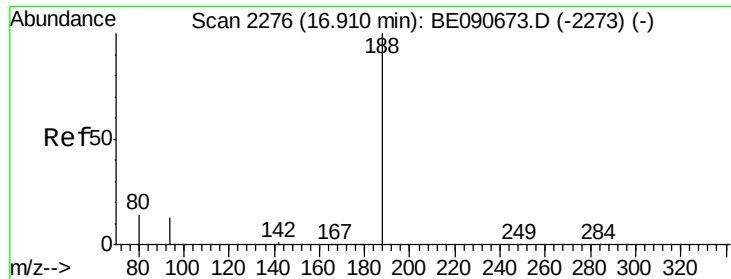


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

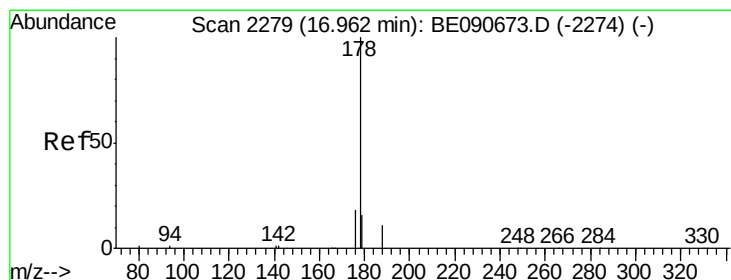
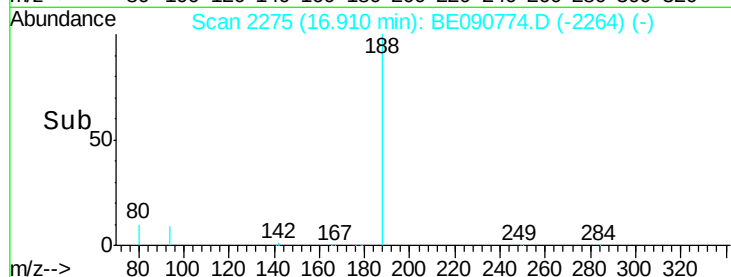
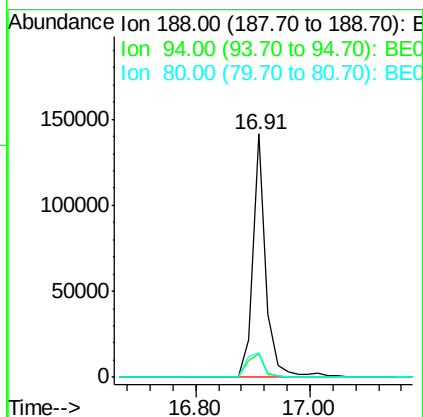
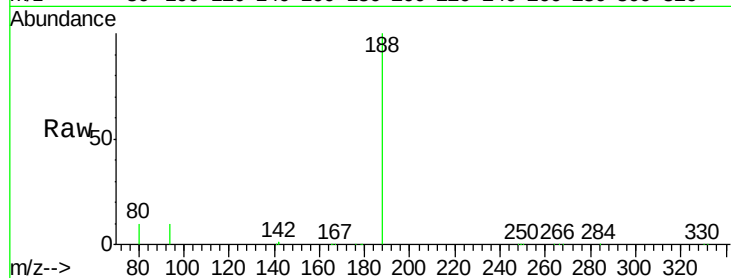




#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.91 min Scan# 2275  
Delta R.T. -0.00 min  
Lab File: BE090774.D  
Acq: 10 Sep 2015 22:59

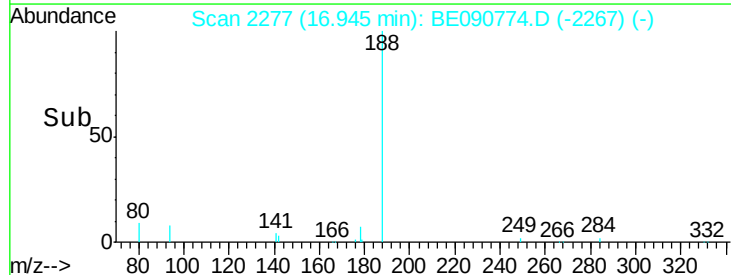
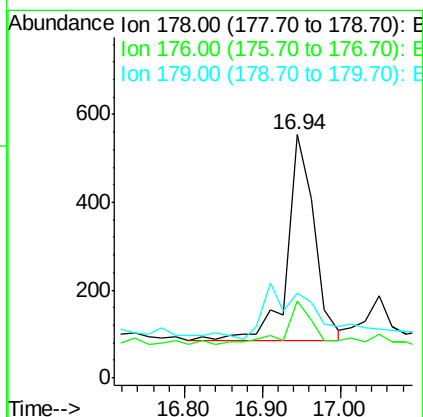
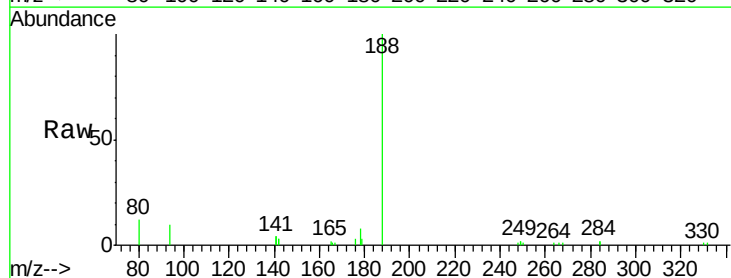
Instrument :  
BNA\_E  
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090815-D534-F-U-S

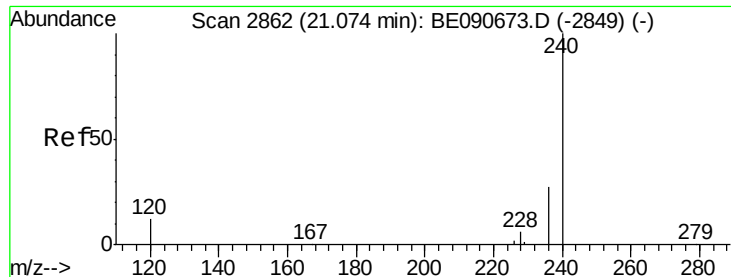
Tgt Ion:188 Resp: 225973  
Ion Ratio Lower Upper  
188 100  
94 9.5 10.3 15.5#  
80 10.3 11.0 16.6#



#22  
Phenanthrene  
Concen: 0.02 ng  
RT: 16.94 min Scan# 2277  
Delta R.T. -0.02 min  
Lab File: BE090774.D  
Acq: 10 Sep 2015 22:59

Tgt Ion:178 Resp: 1121  
Ion Ratio Lower Upper  
178 100  
176 21.9 15.6 23.4  
179 0.0 12.8 19.2#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

Instrument :

BNA\_E

ClientSampleId :

090815-D534-F-U-S

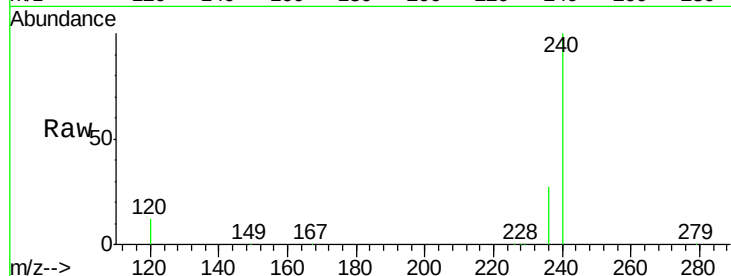
Tgt Ion:240 Resp: 270812

Ion Ratio Lower Upper

240 100

120 11.5 10.1 15.1

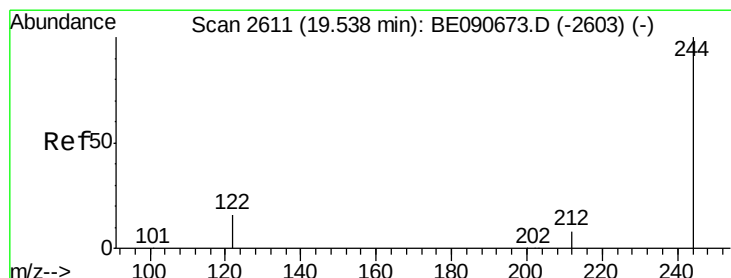
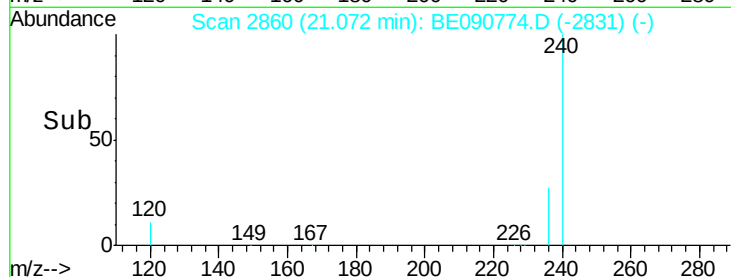
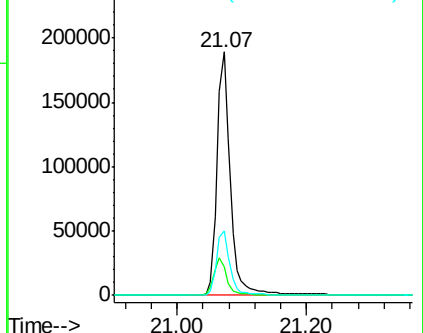
236 26.5 21.9 32.9



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



#27

Terphenyl-d14

Concen: 6.40 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

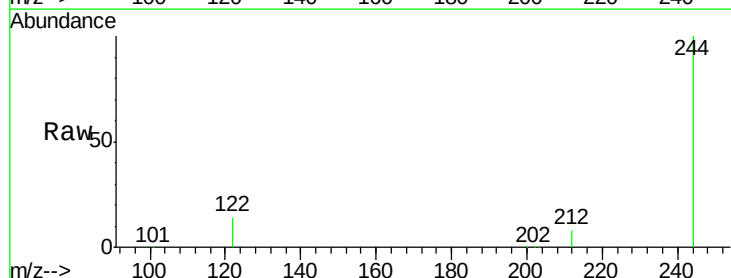
Tgt Ion:244 Resp: 191616

Ion Ratio Lower Upper

244 100

212 8.3 6.9 10.3

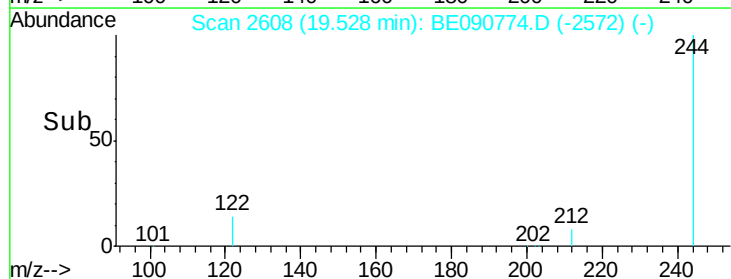
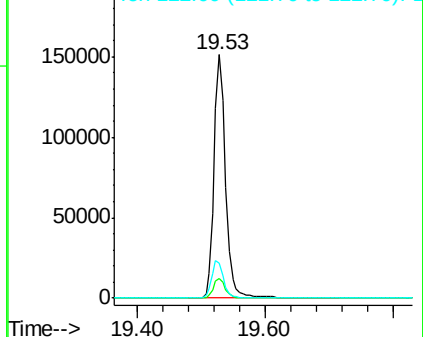
122 14.3 12.9 19.3



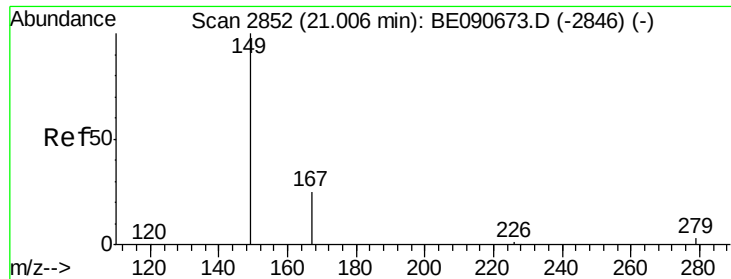
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#30

Bis(2-ethylhexyl)phthalate

Concen: 0.45 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090774.D

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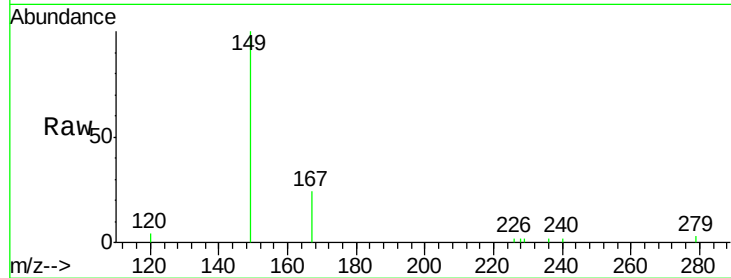
Tgt Ion:149 Resp: 6155

Ion Ratio Lower Upper

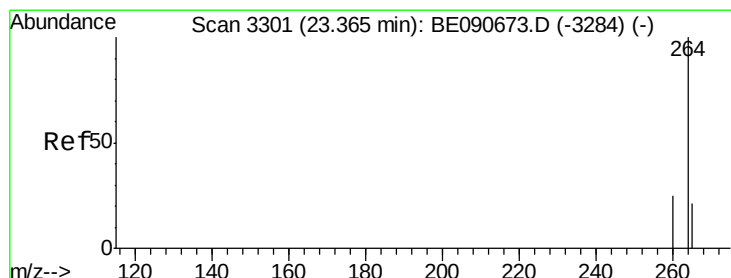
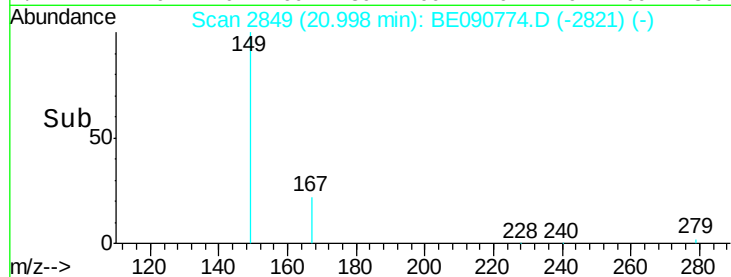
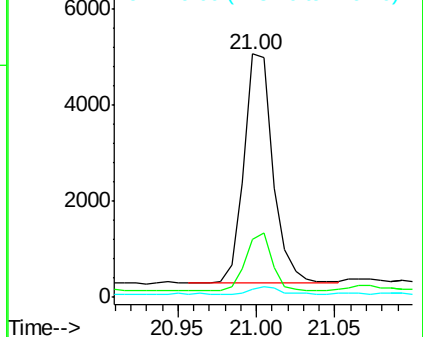
149 100

167 23.1 20.1 30.1

279 3.1 2.3 3.5



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090774.D

Acq: 10 Sep 2015 22:59

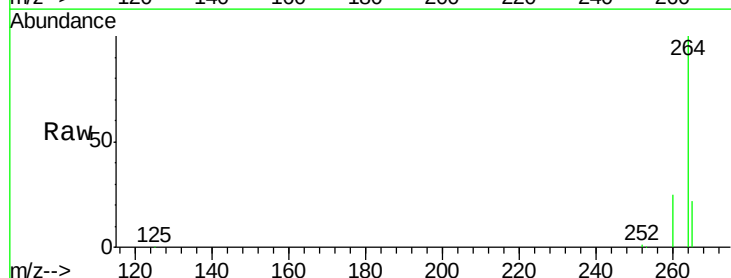
Tgt Ion:264 Resp: 245621

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

265 21.6 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

