

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE090115\  
 Data File : BE090692.D  
 Acq On : 2 Sep 2015 6:49  
 Operator : UM/IZ  
 Sample : G3504-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 083015-D534-F-U-B

Quant Time: Sep 02 12:59:27 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 01:57:39 2015  
 Response via : Initial Calibration

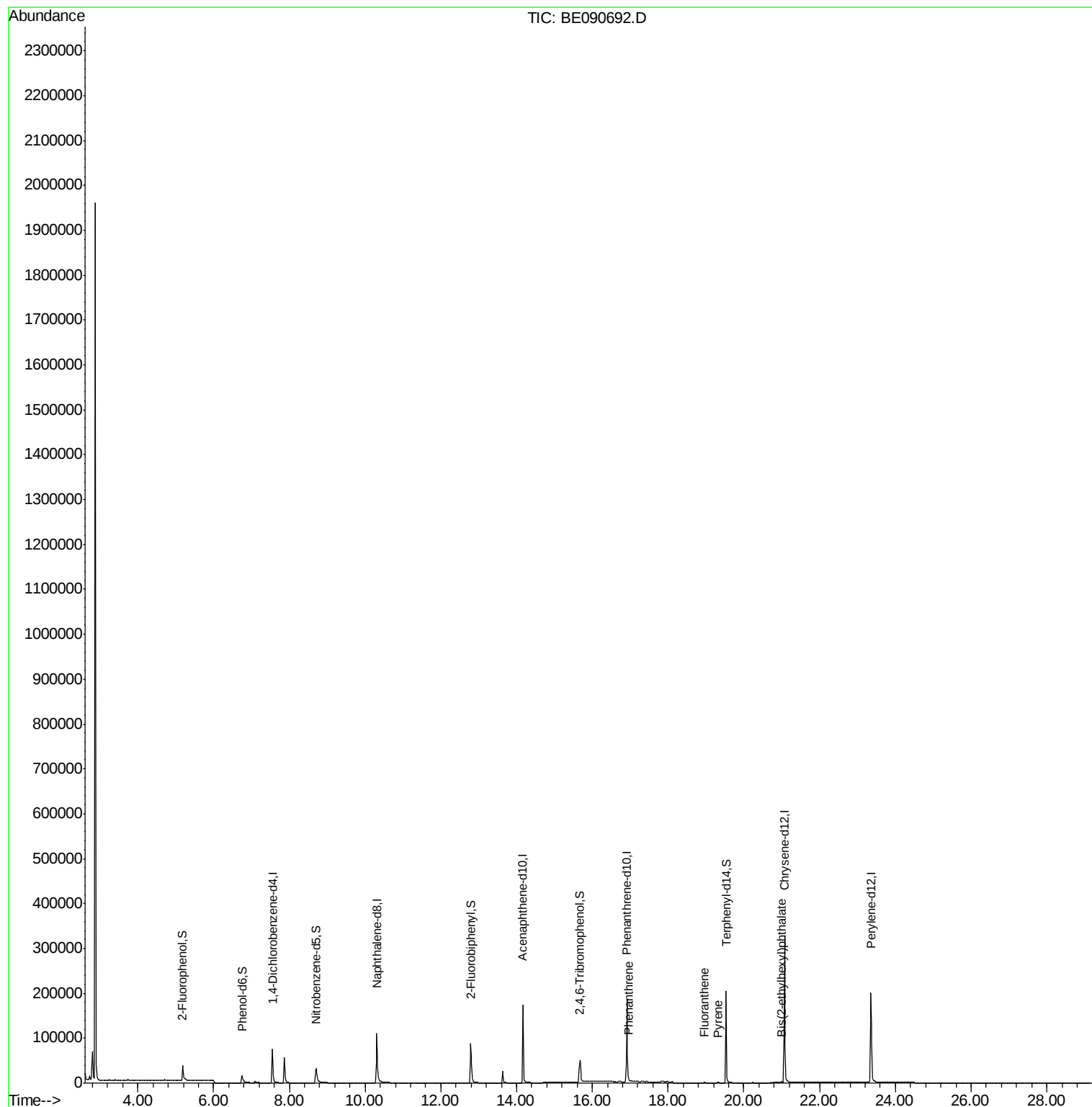
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.56  | 152  | 44260    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.31 | 136  | 193276   | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.17 | 164  | 99925    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 16.91 | 188  | 246152   | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.07 | 240  | 314307   | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.36 | 264  | 287879   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.18  | 112  | 34234    | 3.98 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.75  | 99   | 32482    | 2.64 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.71  | 82   | 55224    | 4.32 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.67 | 330  | 27896    | 9.48 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.79 | 172  | 119508   | 4.32 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.53 | 244  | 231270   | 6.65 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       |          |
| 22) Phenanthrene               | 16.96 | 178  | 1953     | 0.03 | ng    | # 81     |
| 24) Fluoranthene               | 18.96 | 202  | 2414     | 0.04 | ng    | 98       |
| 26) Pyrene                     | 19.32 | 202  | 2004     | 0.03 | ng    | # 93     |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 3147     | 0.24 | ng    | 96       |

(#) = 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: 7.56 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA\_E

ClientSampleId :

083015-D534-F-U-B

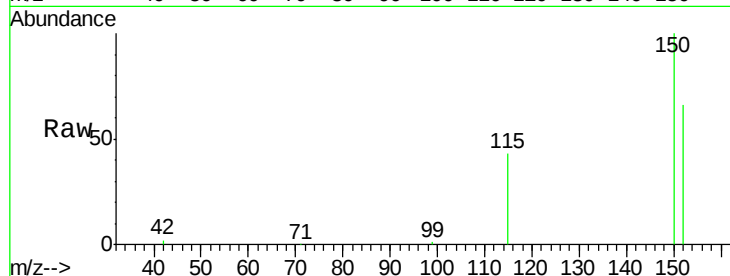
Tgt Ion:152 Resp: 44260

Ion Ratio Lower Upper

152 100

150 151.7 122.2 183.4

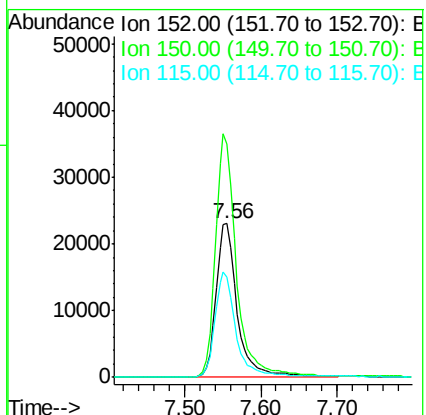
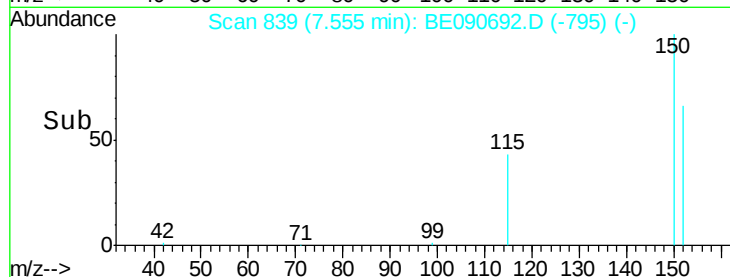
115 65.6 51.0 76.4



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: 3.98 ng

RT: 5.18 min Scan# 381

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

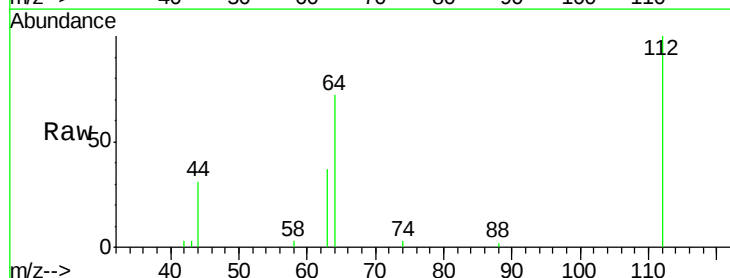
Tgt Ion:112 Resp: 34234

Ion Ratio Lower Upper

112 100

64 72.4 57.3 85.9

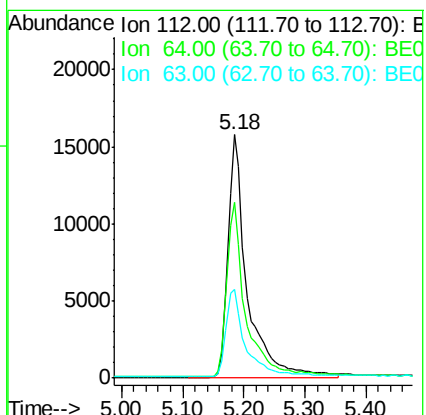
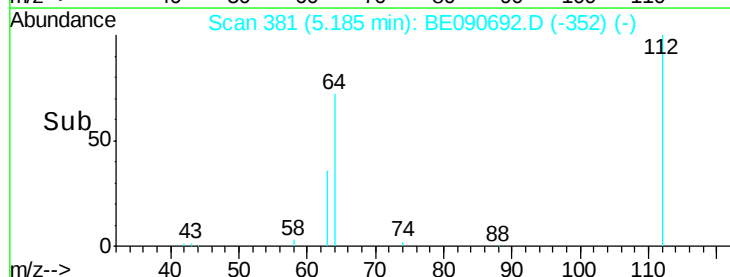
63 36.8 29.2 43.8

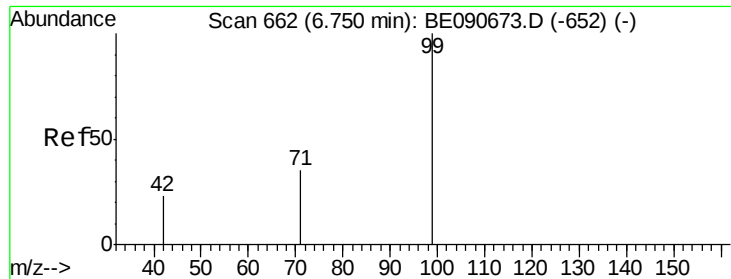


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.64 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA\_E

ClientSampleId :

083015-D534-F-U-B

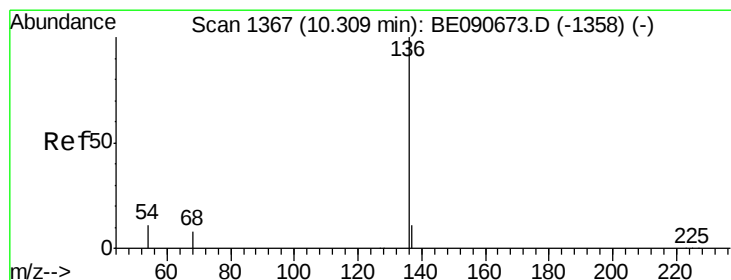
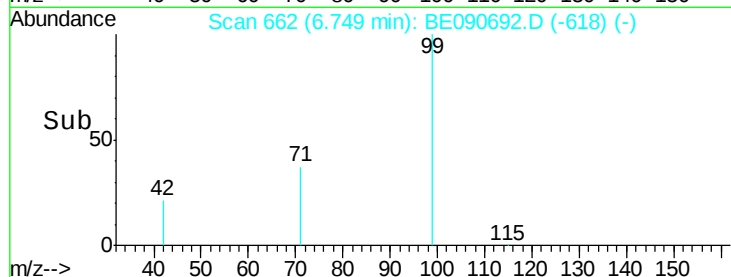
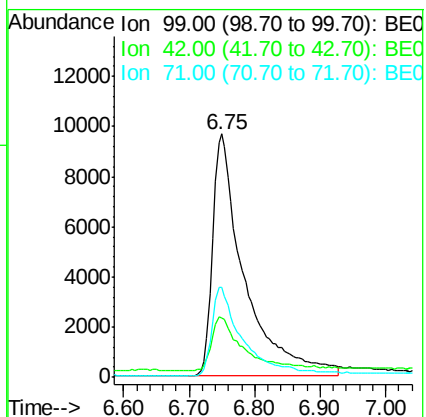
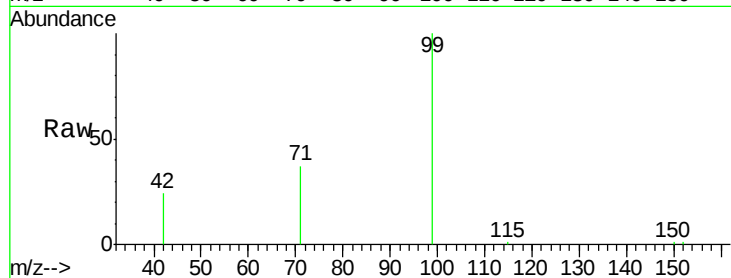
Tgt Ion: 99 Resp: 32482

Ion Ratio Lower Upper

99 100

42 23.5 16.8 25.2

71 36.4 28.3 42.5



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Tgt Ion: 136 Resp: 193276

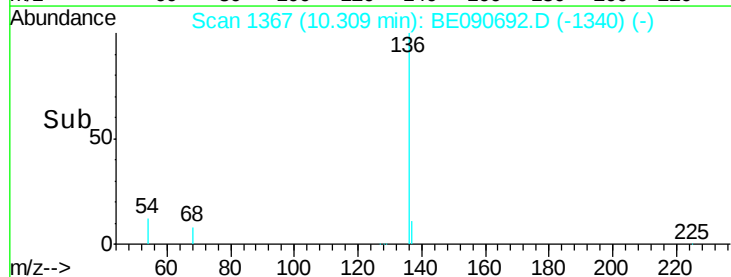
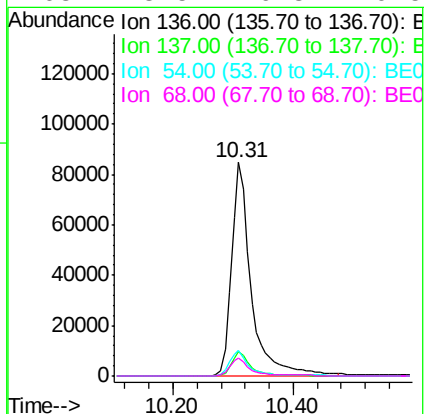
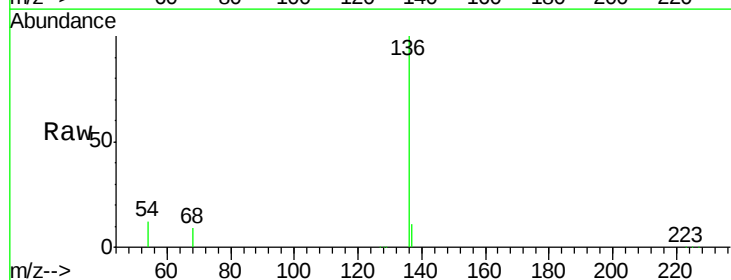
Ion Ratio Lower Upper

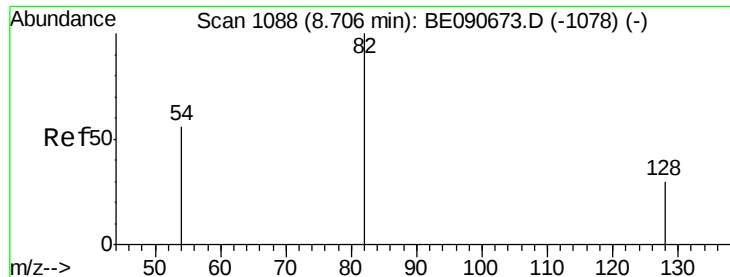
136 100

137 11.2 8.7 13.1

54 11.9 9.0 13.6

68 8.5 6.3 9.5





#7

Nitrobenzene-d5

Concen: 4.32 ng

RT: 8.71 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA\_E

ClientSampleId :

083015-D534-F-U-B

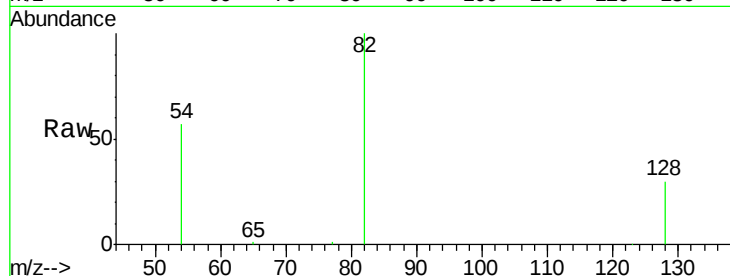
Tgt Ion: 82 Resp: 55224

Ion Ratio Lower Upper

82 100

128 30.1 25.0 37.4

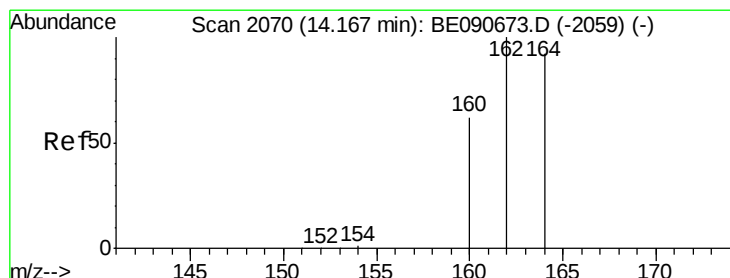
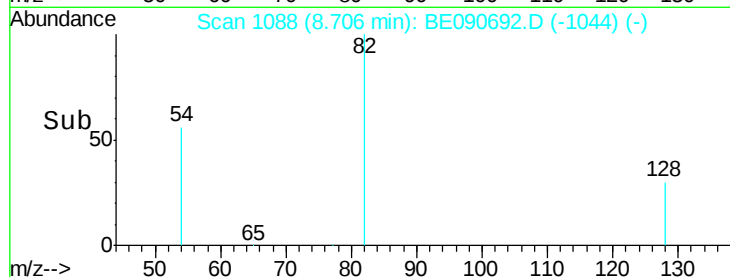
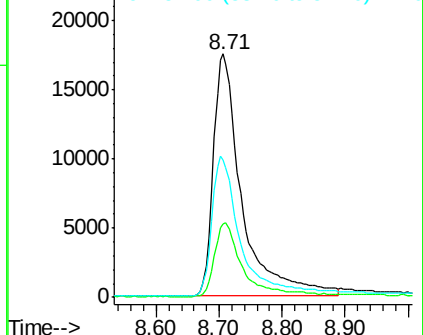
54 56.5 46.3 69.5



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

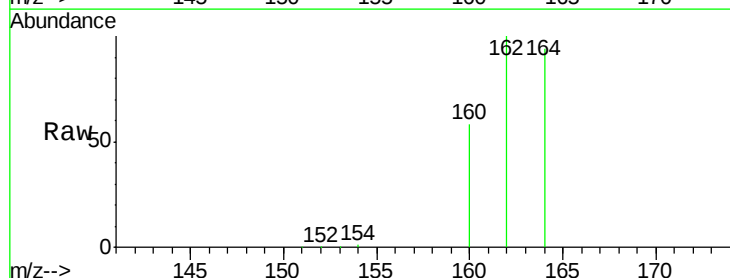
Tgt Ion: 164 Resp: 99925

Ion Ratio Lower Upper

164 100

162 106.4 86.8 130.2

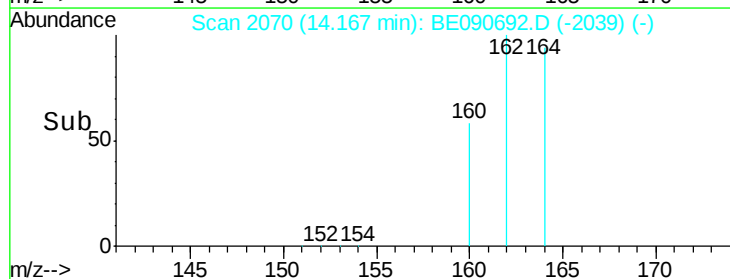
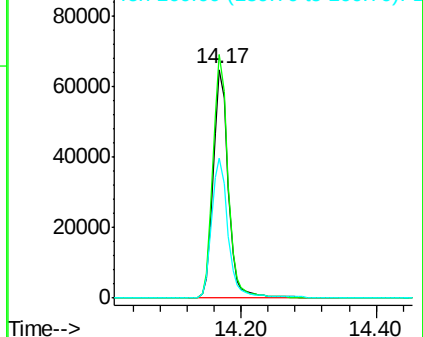
160 61.3 53.9 80.9

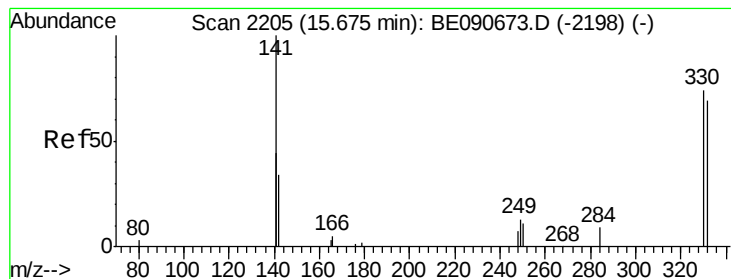


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#13

2,4,6-Tribromophenol

Concen: 9.48 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA\_E

ClientSampleId :

083015-D534-F-U-B

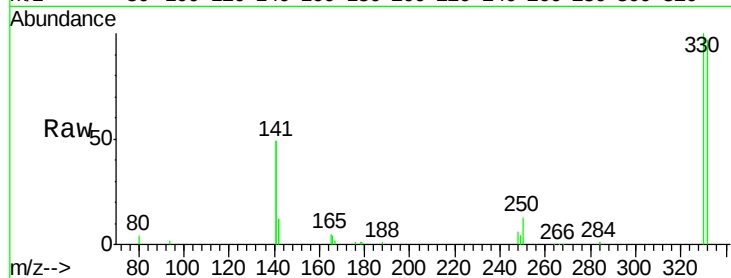
Tgt Ion:330 Resp: 27896

Ion Ratio Lower Upper

330 100

332 96.6 74.9 112.3

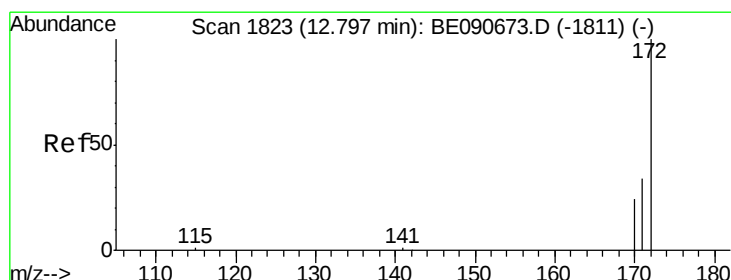
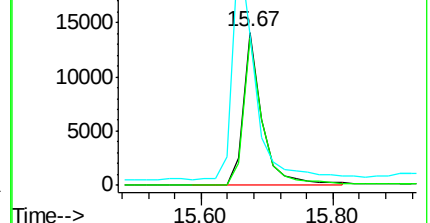
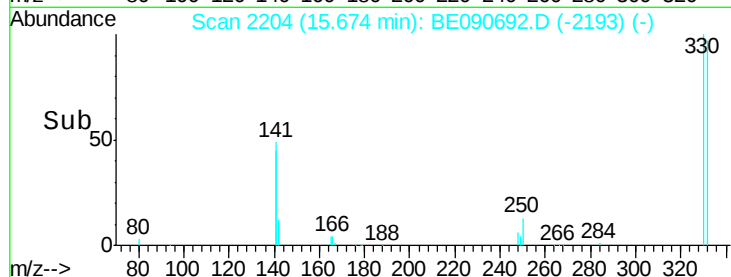
141 173.7 145.2 217.8



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: 4.32 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

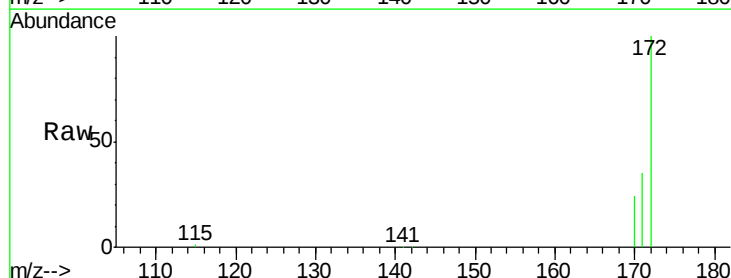
Tgt Ion:172 Resp: 119508

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

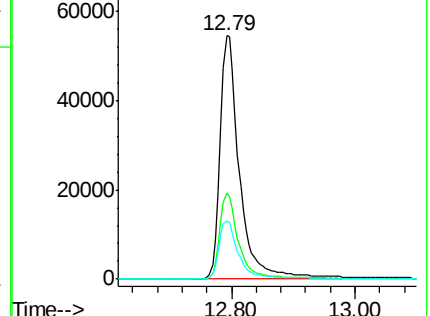
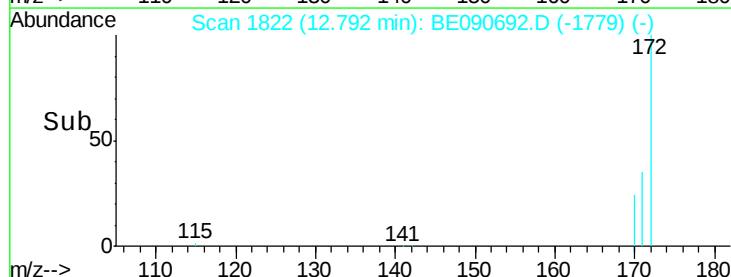
170 24.0 19.8 29.6

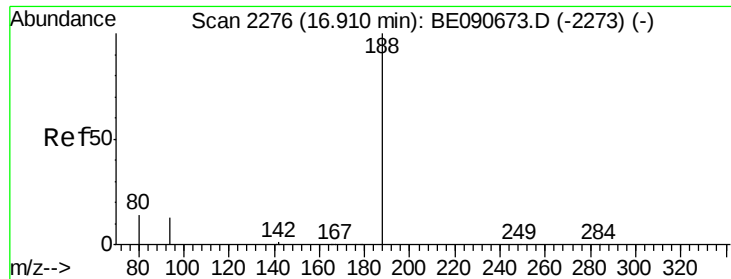


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

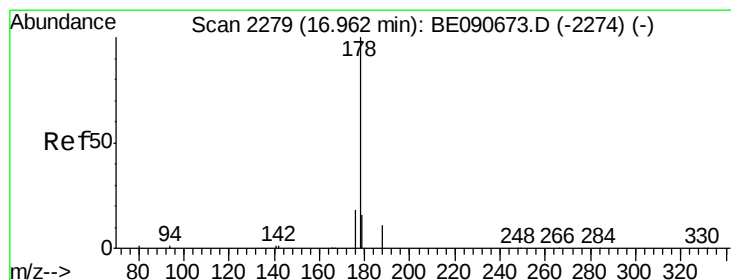
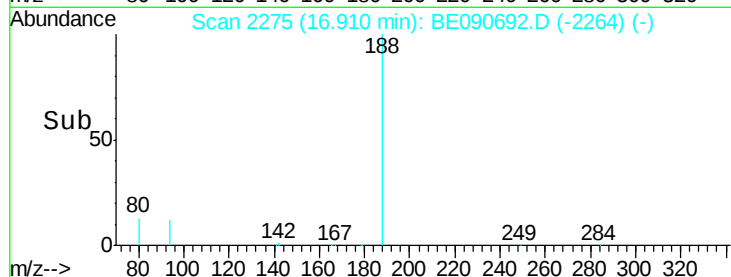
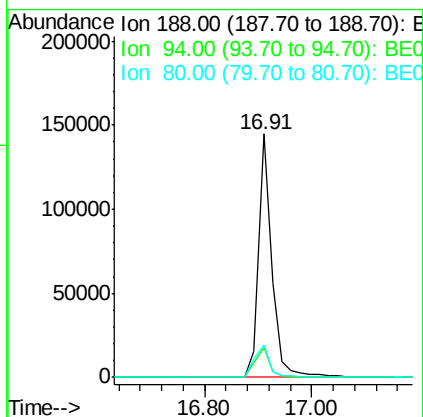
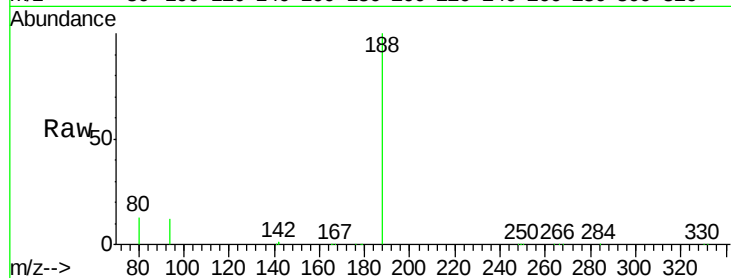




#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.91 min Scan# 2275  
Delta R.T. -0.00 min  
Lab File: BE090692.D  
Acq: 2 Sep 2015 6:49

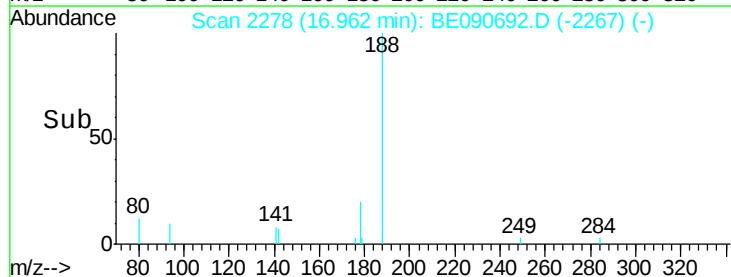
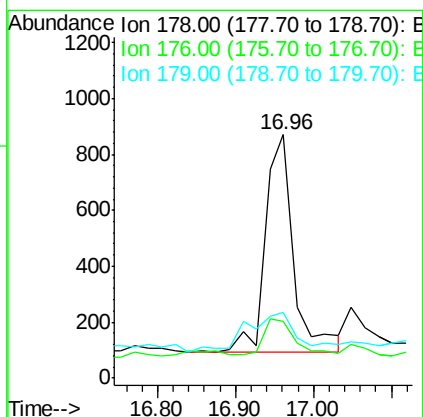
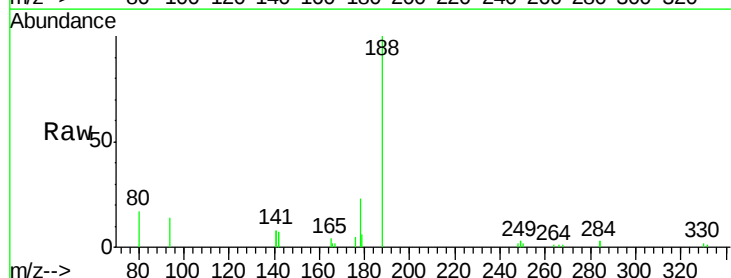
Instrument :  
BNA\_E  
ClientSampleId :  
083015-D534-F-U-B

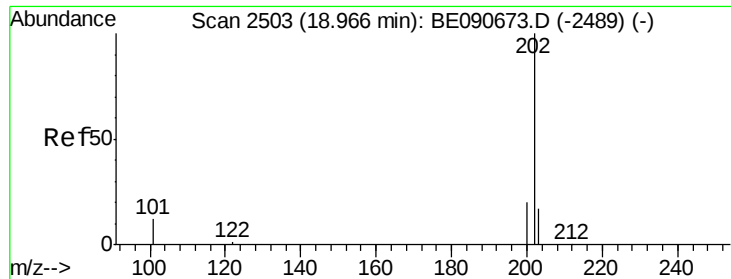
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.2  | 10.3  | 15.5  |
| 80      | 13.4  | 11.0  | 16.6  |



#22  
Phenanthrene  
Concen: 0.03 ng  
RT: 16.96 min Scan# 2278  
Delta R.T. -0.00 min  
Lab File: BE090692.D  
Acq: 2 Sep 2015 6:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.6  | 23.4  |
| 179     | 33.4  | 12.8  | 19.2# |

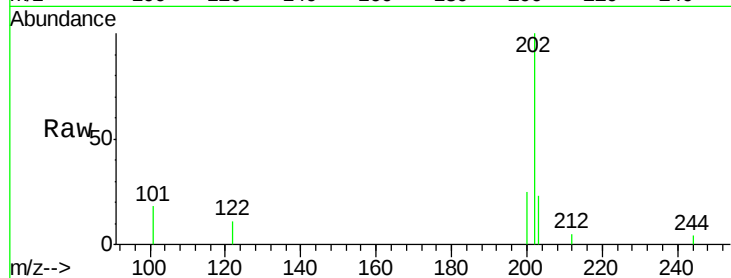




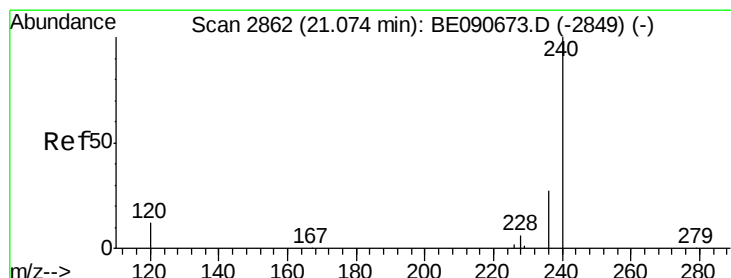
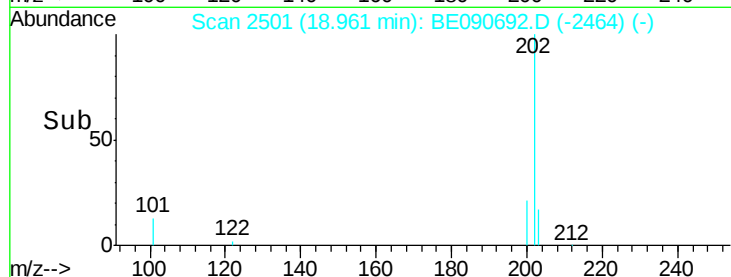
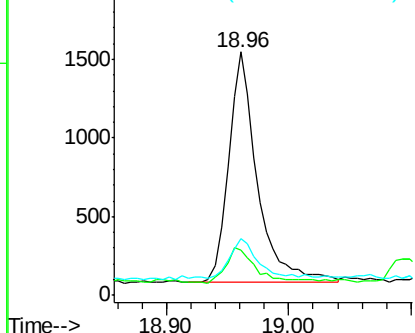
#24  
 Fluoranthene  
 Concen: 0.04 ng  
 RT: 18.96 min Scan# 2501  
 Delta R.T. -0.01 min  
 Lab File: BE090692.D  
 Acq: 2 Sep 2015 6:49

Instrument :  
 BNA\_E  
 ClientSampleId :  
 083015-D534-F-U-B

Tgt Ion: 202 Resp: 2414  
 Ion Ratio Lower Upper  
 202 100  
 101 13.9 11.0 16.6  
 203 16.0 13.9 20.9

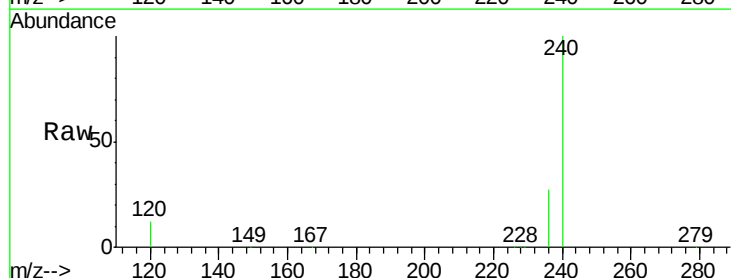


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

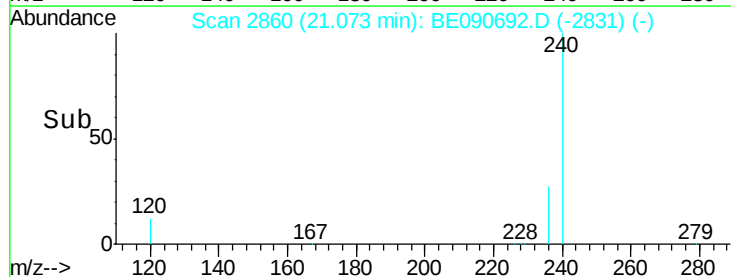
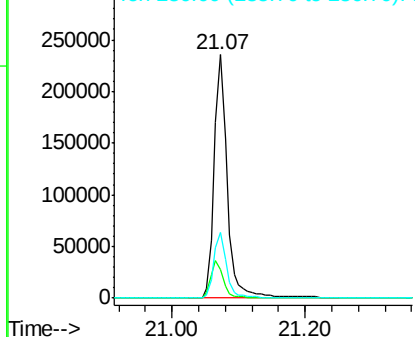


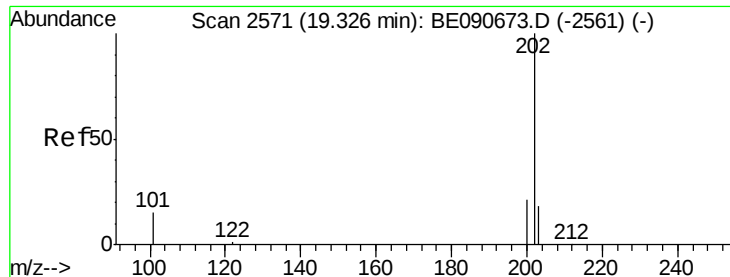
#25  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.07 min Scan# 2860  
 Delta R.T. -0.00 min  
 Lab File: BE090692.D  
 Acq: 2 Sep 2015 6:49

Tgt Ion: 240 Resp: 314307  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 10.1 15.1  
 236 27.2 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





#26

Pyrene

Concen: 0.03 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

Instrument :

BNA\_E

ClientSampleId :

083015-D534-F-U-B

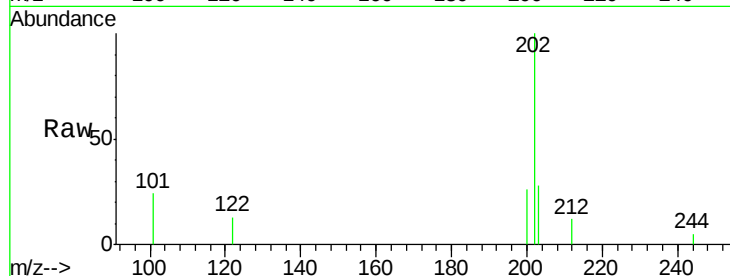
Tgt Ion:202 Resp: 2004

Ion Ratio Lower Upper

202 100

200 21.9 16.7 25.1

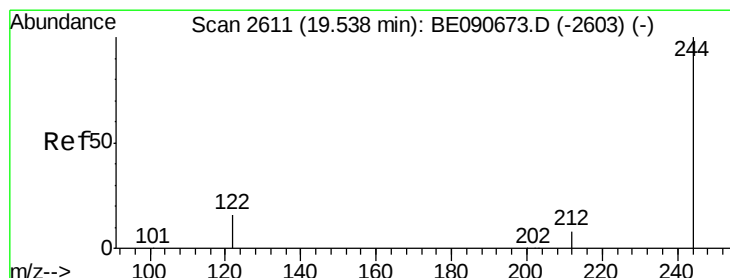
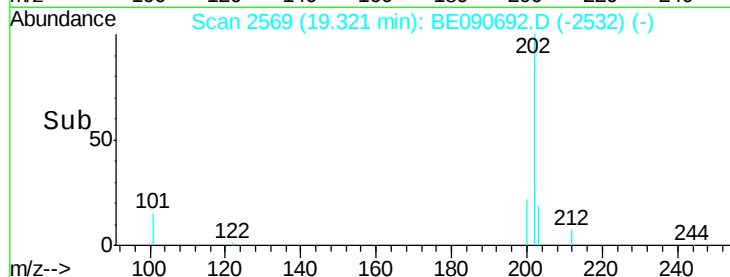
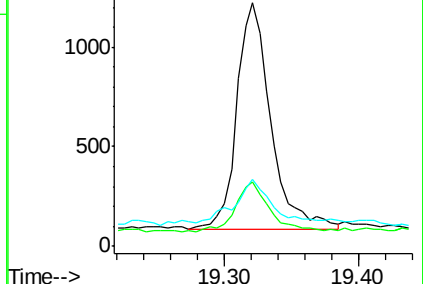
203 22.6 13.8 20.6#



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



#27

Terphenyl-d14

Concen: 6.65 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090692.D

Acq: 2 Sep 2015 6:49

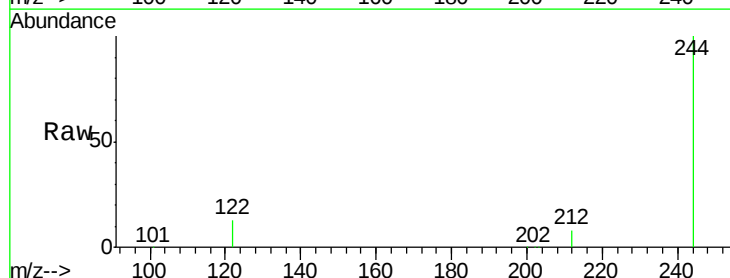
Tgt Ion:244 Resp: 231270

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

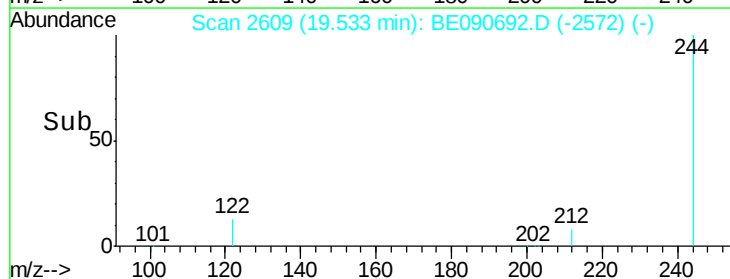
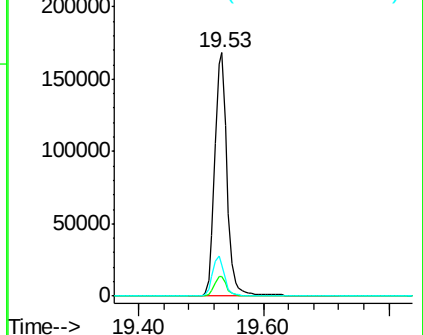
122 12.9 12.9 19.3

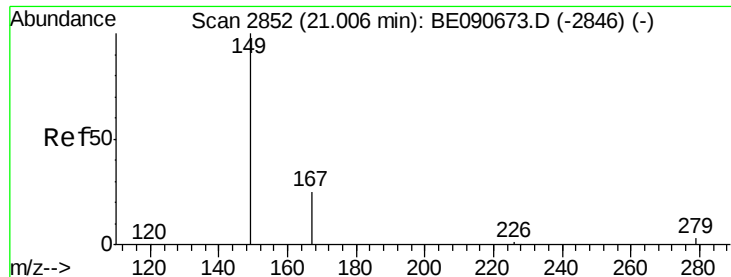


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

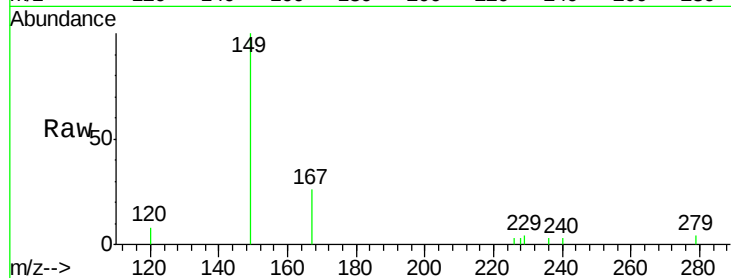




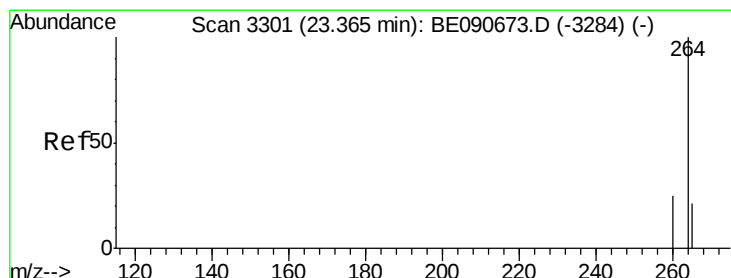
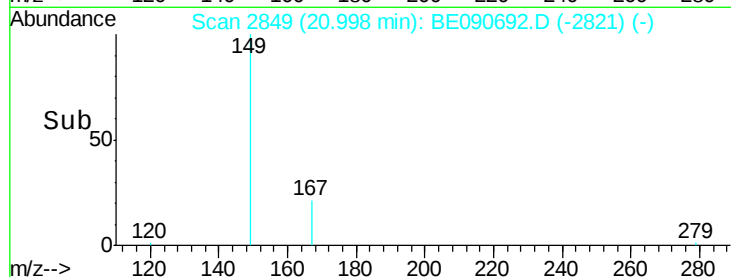
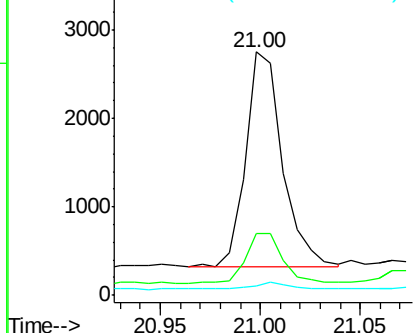
#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.24 ng  
 RT: 21.00 min Scan# 2849  
 Delta R.T. -0.01 min  
 Lab File: BE090692.D  
 Acq: 2 Sep 2015 6:49

Instrument :  
 BNA\_E  
 ClientSampleId :  
 083015-D534-F-U-B

Tgt Ion:149 Resp: 3147  
 Ion Ratio Lower Upper  
 149 100  
 167 23.1 20.1 30.1  
 279 3.0 2.3 3.5

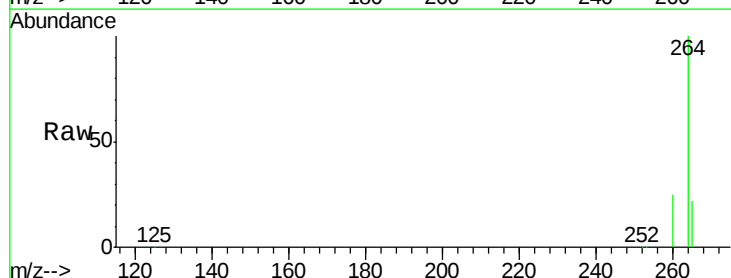


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.36 min Scan# 3299  
 Delta R.T. -0.00 min  
 Lab File: BE090692.D  
 Acq: 2 Sep 2015 6:49

Tgt Ion:264 Resp: 287879  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.7 29.5  
 265 22.0 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

