

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE111616\  
 Data File : BE092543.D  
 Acq On : 16 Nov 2016 20:56  
 Operator : UM/SJ  
 Sample : H5636-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 CPS073042

Quant Time: Nov 17 04:52:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE111616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 16 15:43:18 2016  
 Response via : Initial Calibration

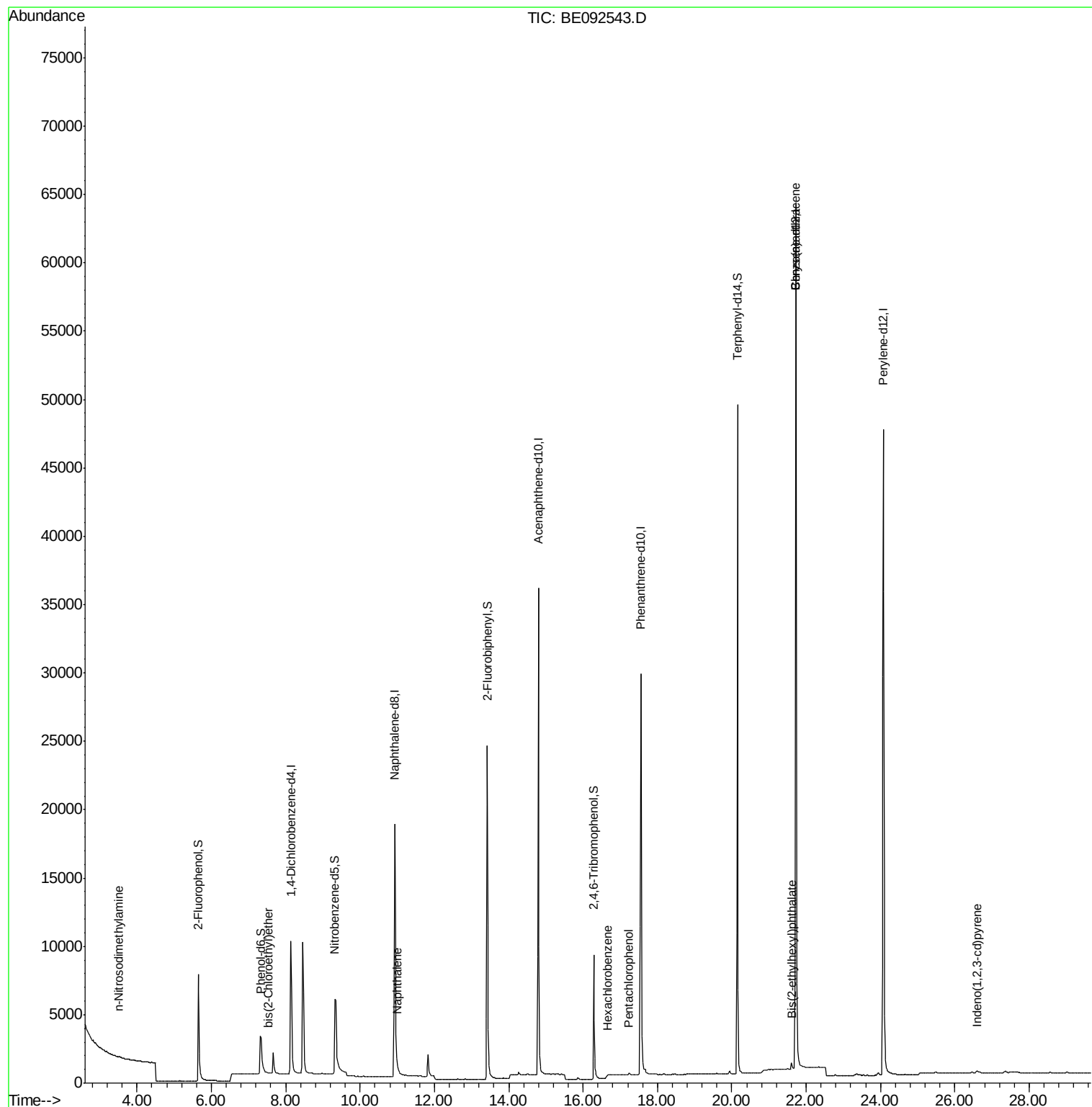
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.14  | 152  | 7439     | 5.00  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.93 | 136  | 34278    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.80 | 164  | 23161    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.56 | 188  | 51173    | 5.00  | ng    | 0.00     |
| 24) Chrysene-d12               | 21.72 | 240  | 76498    | 5.00  | ng    | 0.00     |
| 31) Perylene-d12               | 24.08 | 264  | 69266    | 5.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.65  | 112  | 8017     | 6.38  | ng    | -0.02    |
| 5) Phenol-d6                   | 7.33  | 99   | 6385     | 3.12  | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 9.32  | 82   | 11775    | 5.29  | ng    | -0.05    |
| 13) 2,4,6-Tribromophenol       | 16.29 | 330  | 7030     | 13.53 | ng    | -0.01    |
| 14) 2-Fluorobiphenyl           | 13.42 | 172  | 30892    | 5.47  | ng    | -0.01    |
| 26) Terphenyl-d14              | 20.16 | 244  | 55731    | 6.37  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 3) n-Nitrosodimethylamine      | 3.52  | 42   | 83       | 0.24  | ng    | # 2      |
| 6) bis(2-Chloroethyl)ether     | 7.52  | 93   | 6        | 0.04  | ng    | # 15     |
| 9) Naphthalene                 | 10.99 | 128  | 164      | 0.02  | ng    | # 1      |
| 19) Hexachlorobenzene          | 16.66 | 284  | 116      | 0.06  | ng    | # 1      |
| 20) Pentachlorophenol          | 17.23 | 266  | 192      | 0.59  | ng    | 98       |
| 27) Benzo(a)anthracene         | 21.72 | 228  | 1008     | 0.11  | ng    | # 52     |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 624      | 0.24  | ng    | # 74     |
| 30) Indeno(1,2,3-cd)pyrene     | 26.60 | 276  | 380      | 0.05  | ng    | 95       |

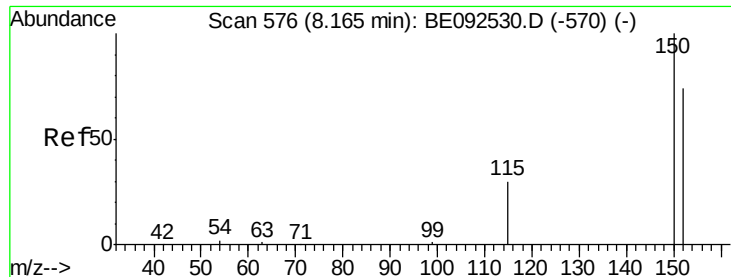
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

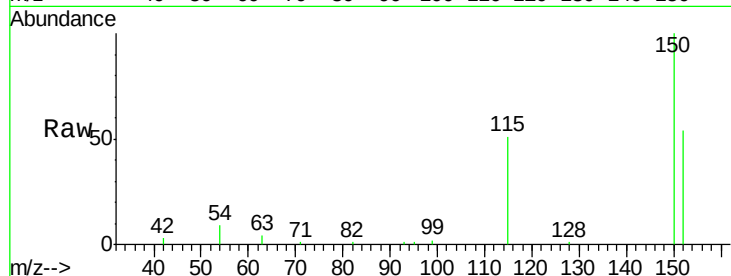
Tgt Ion: 152 Resp: 7439

Ion Ratio Lower Upper

152 100

150 185.6 106.0 159.0#

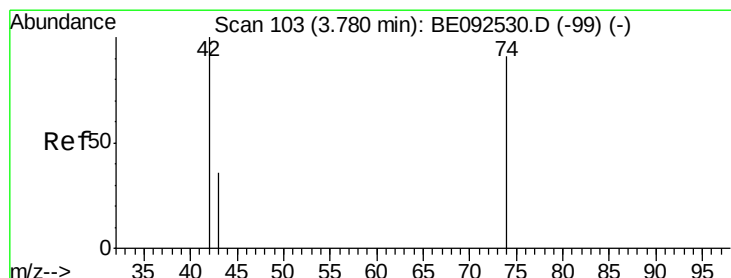
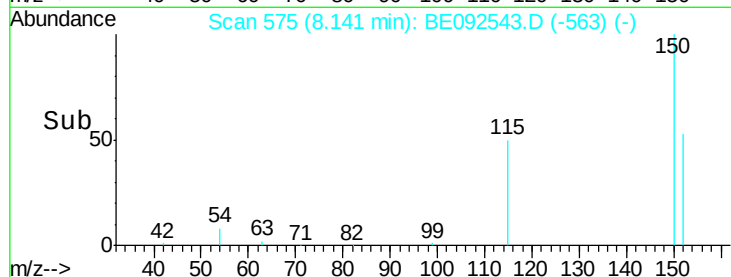
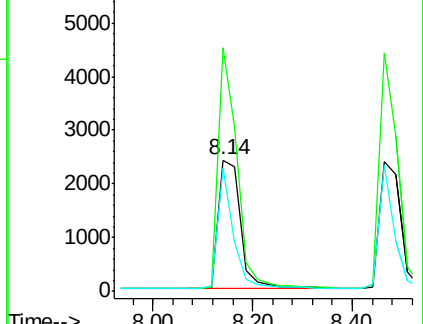
115 94.0 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.24 ng

RT: 3.52 min Scan# 80

Delta R.T. -0.26 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

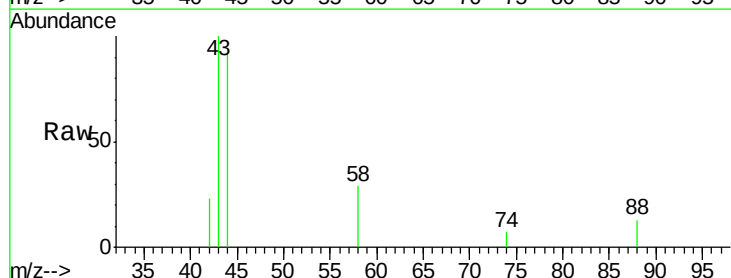
Tgt Ion: 42 Resp: 83

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

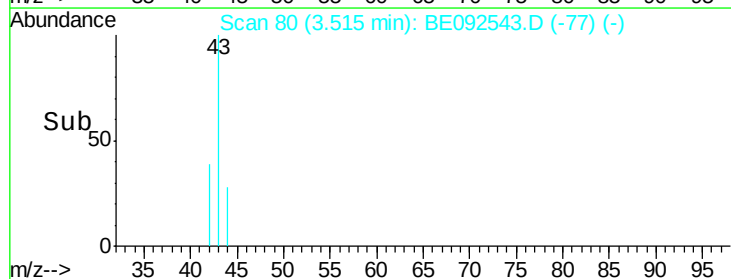
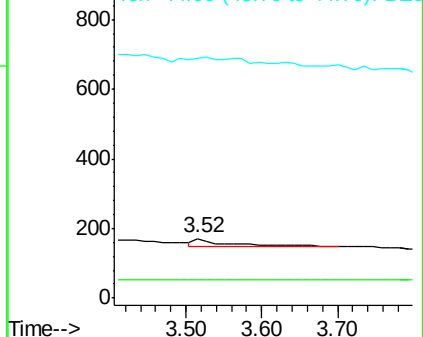
44 0.0 5.1 7.7#

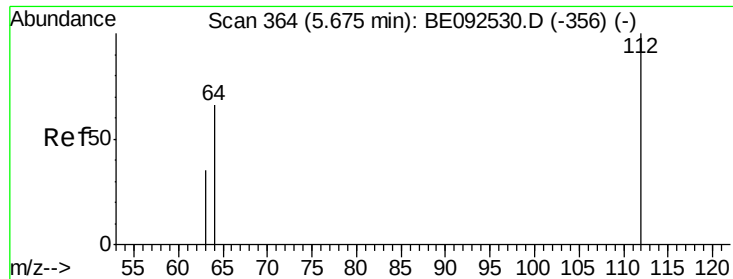


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 6.38 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

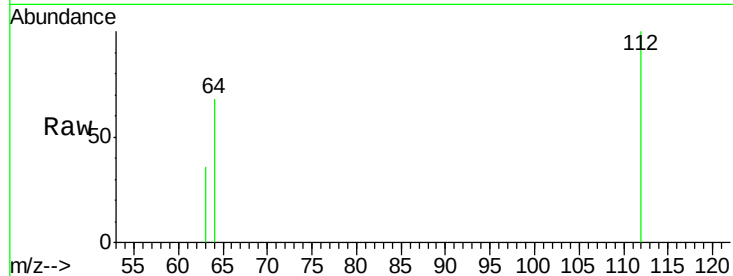
Tgt Ion: 112 Resp: 8017

Ion Ratio Lower Upper

112 100

64 67.7 53.5 80.3

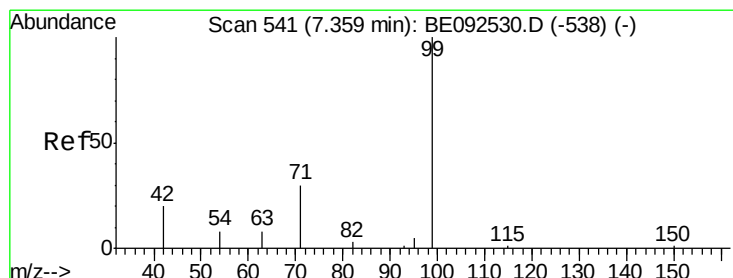
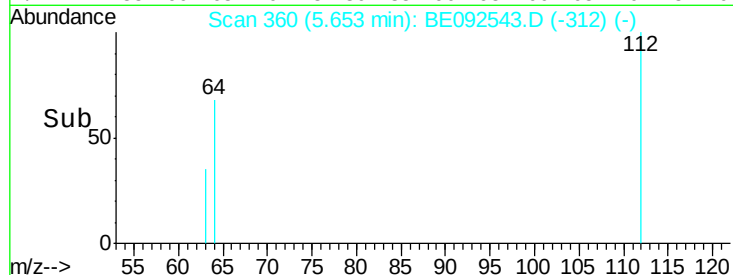
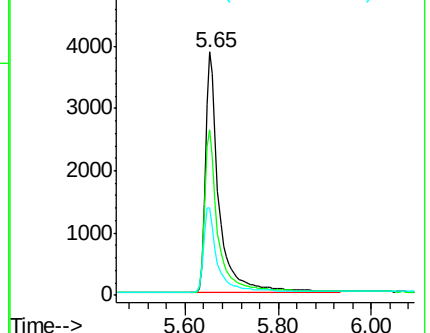
63 36.1 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 3.12 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

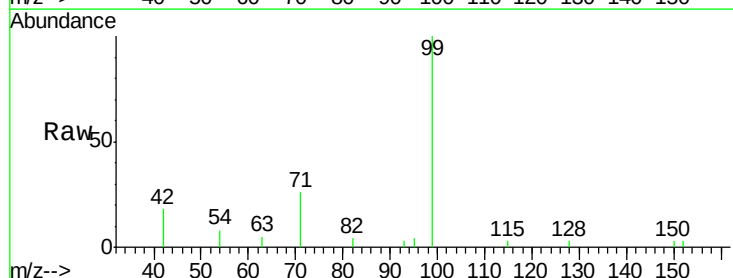
Tgt Ion: 99 Resp: 6385

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

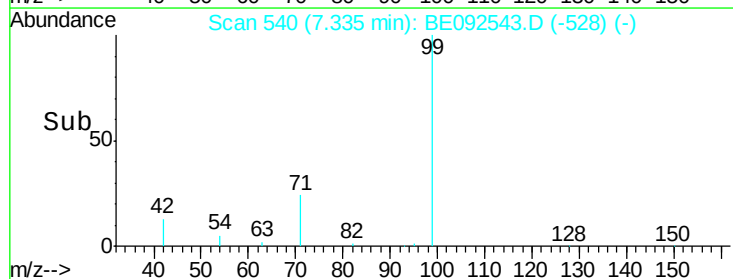
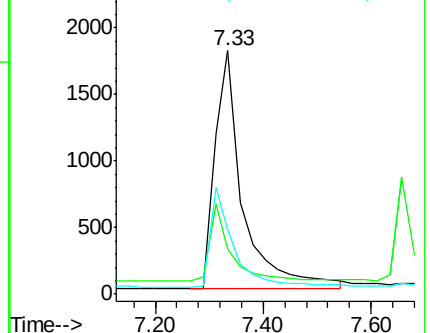
71 0.0 30.6 45.8#

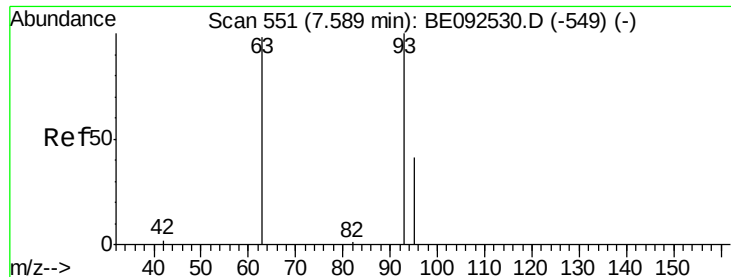


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.52 min Scan# 548

Delta R.T. -0.07 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

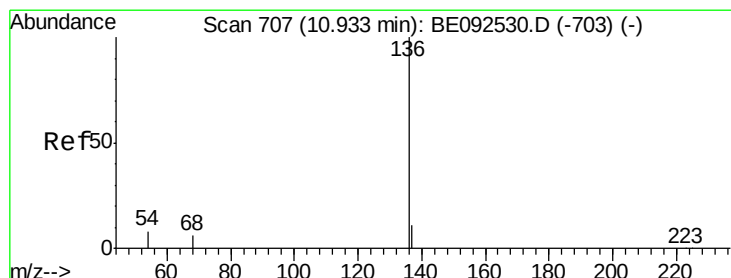
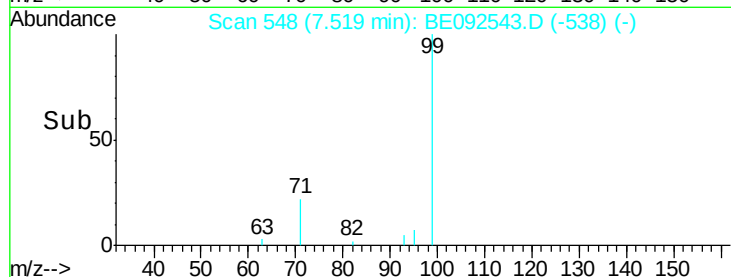
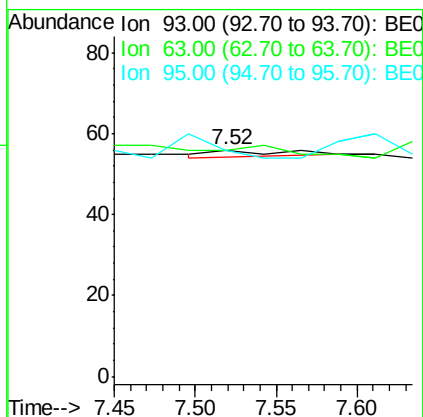
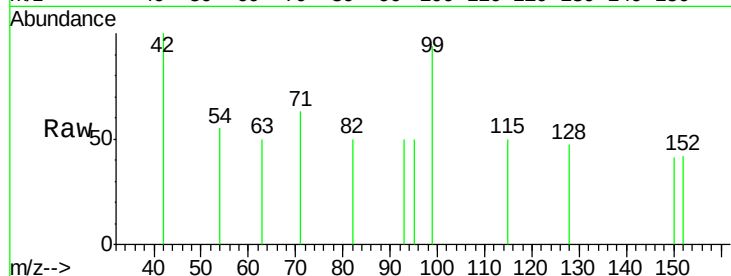
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Tgt Ion: 136 Resp: 34278

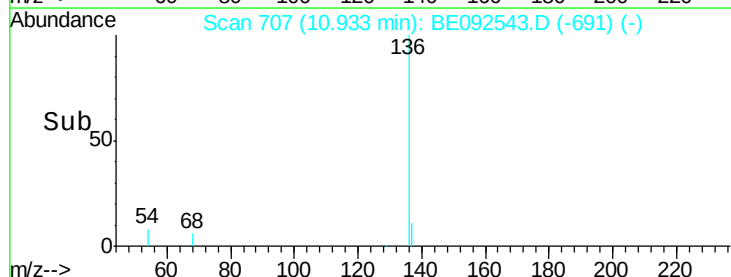
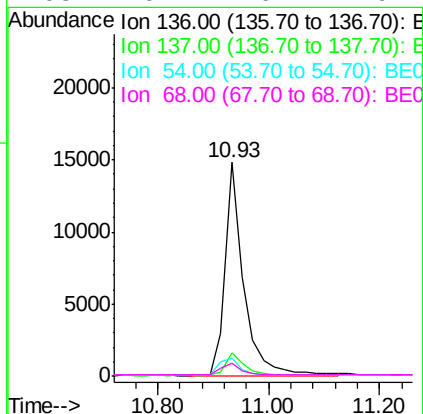
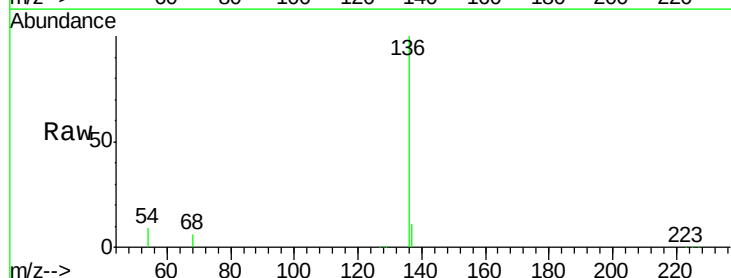
Ion Ratio Lower Upper

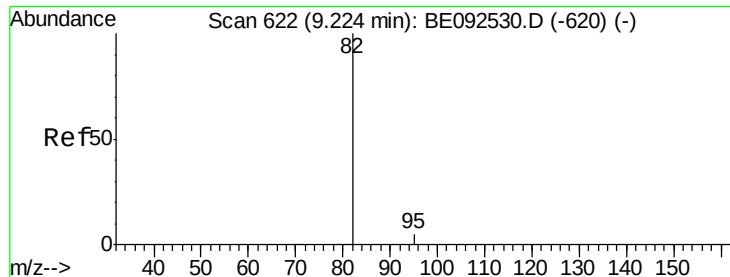
136 100

137 11.0 8.2 12.4

54 8.5 9.6 14.4#

68 6.1 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 5.29 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

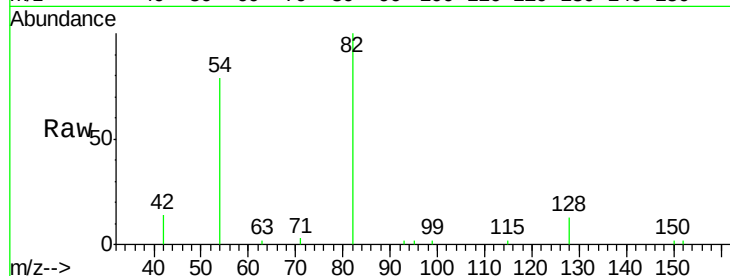
Tgt Ion: 82 Resp: 11775

Ion Ratio Lower Upper

82 100

128 13.3 39.0 58.4#

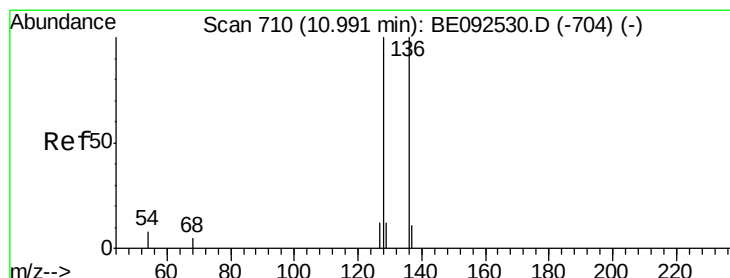
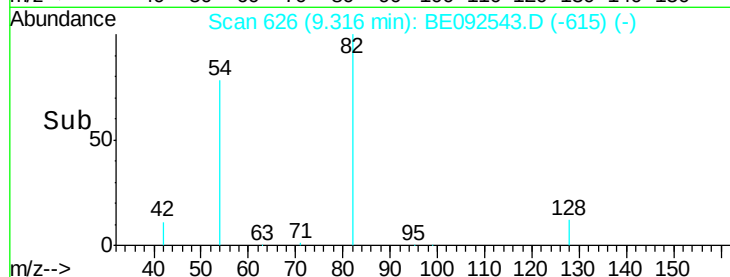
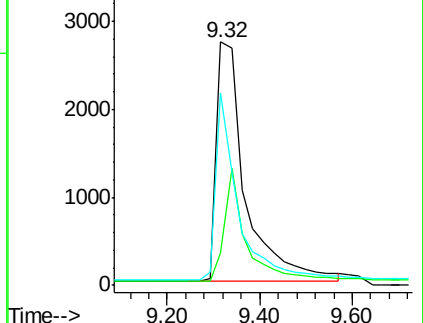
54 78.8 44.8 67.2#



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



#9

Naphthalene

Concen: 0.02 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

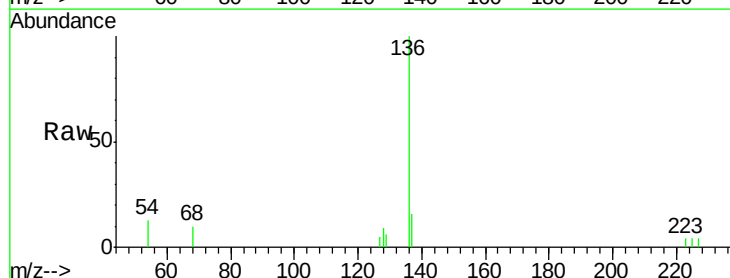
Tgt Ion: 128 Resp: 164

Ion Ratio Lower Upper

128 100

129 59.6 11.2 16.8#

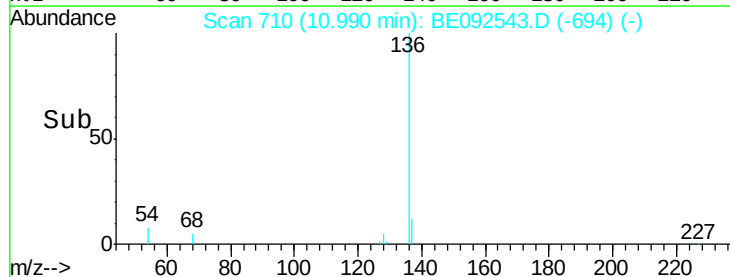
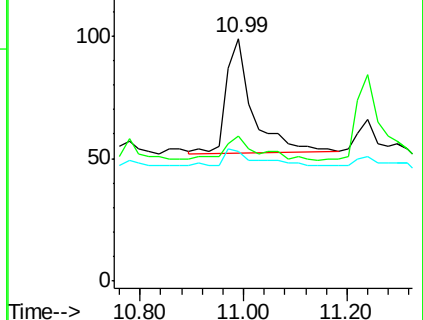
127 53.5 11.6 17.4#

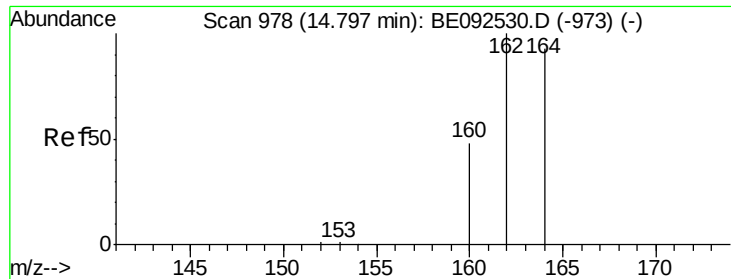


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

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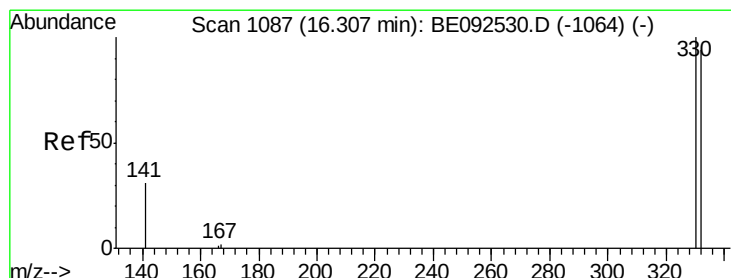
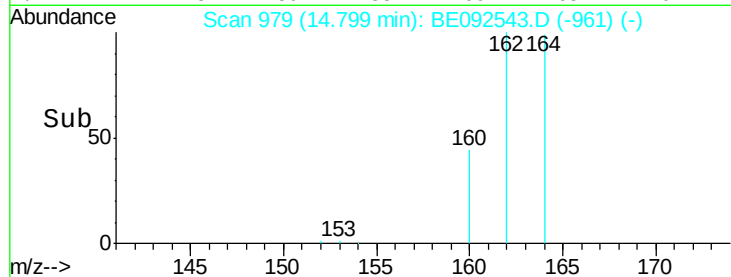
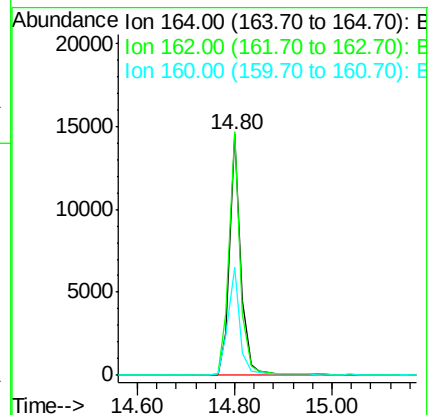
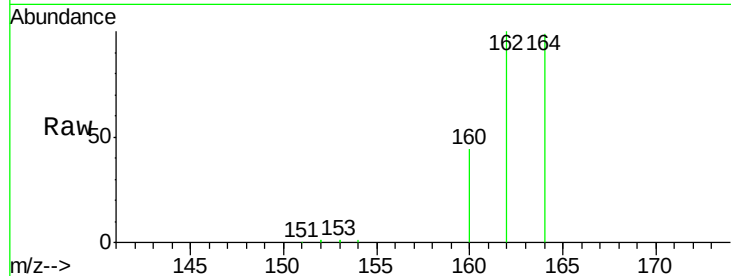
Tgt Ion:164 Resp: 23161

Ion Ratio Lower Upper

164 100

162 101.2 71.4 107.0

160 44.8 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 13.53 ng

RT: 16.29 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

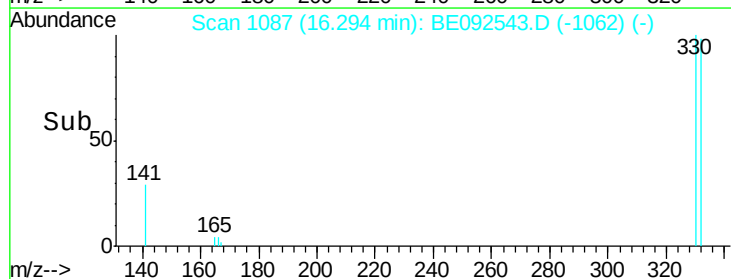
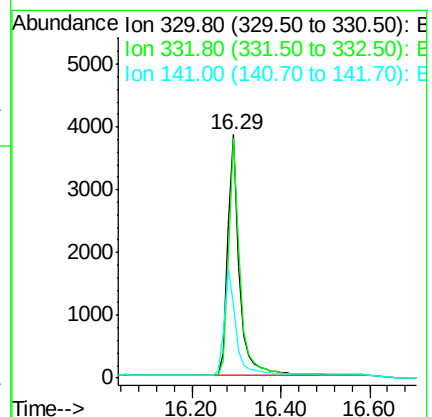
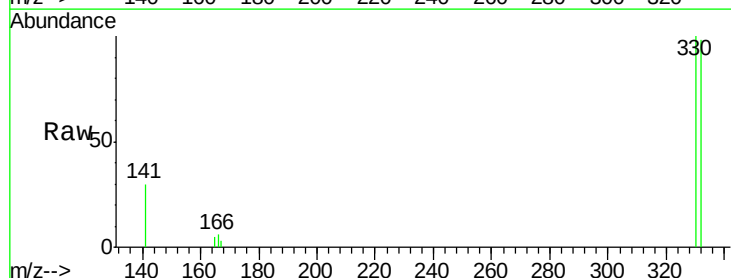
Tgt Ion:330 Resp: 7030

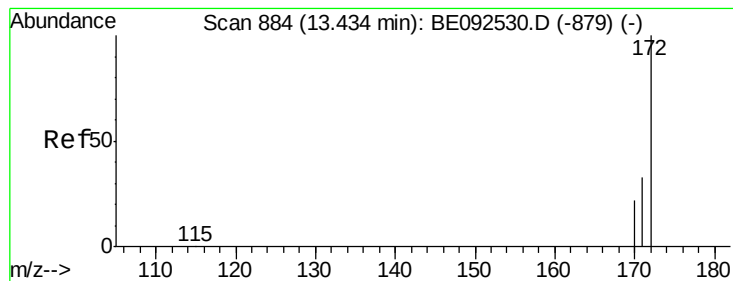
Ion Ratio Lower Upper

330 100

332 96.9 75.4 113.0

141 44.0 31.0 46.6





#14

2-Fluorobiphenyl

Concen: 5.47 ng

RT: 13.42 min Scan# 883

Delta R.T. -0.01 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

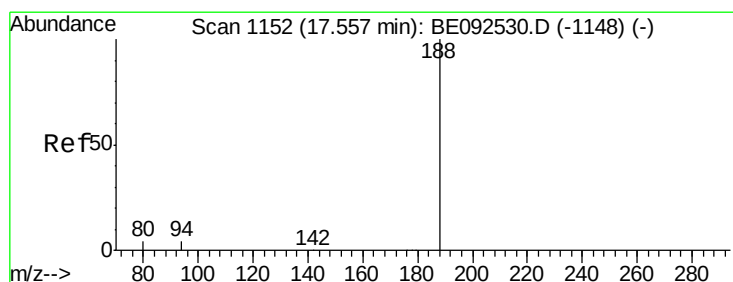
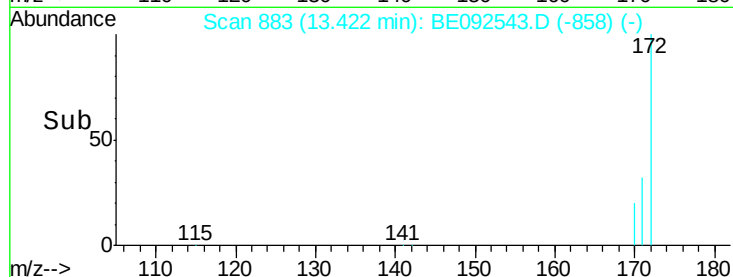
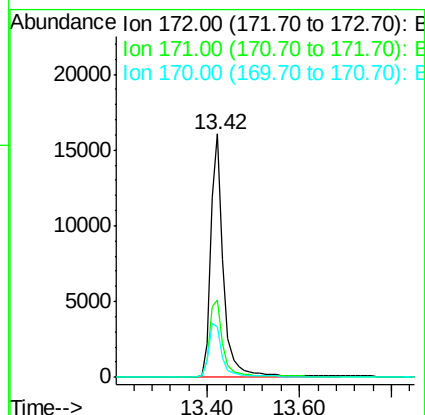
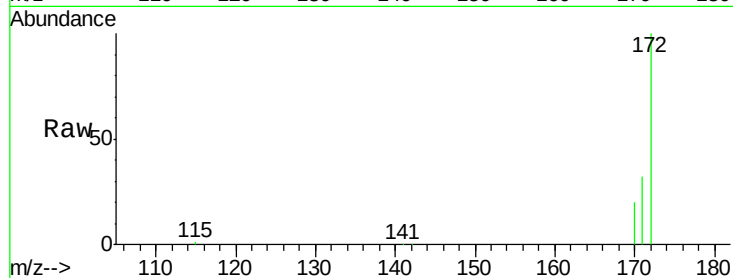
Tgt Ion:172 Resp: 30892

Ion Ratio Lower Upper

172 100

171 32.0 30.1 45.1

170 20.5 21.8 32.6#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

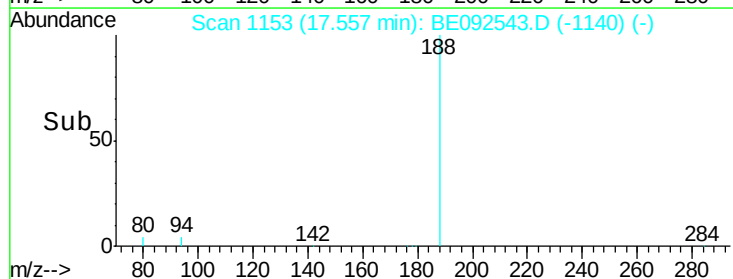
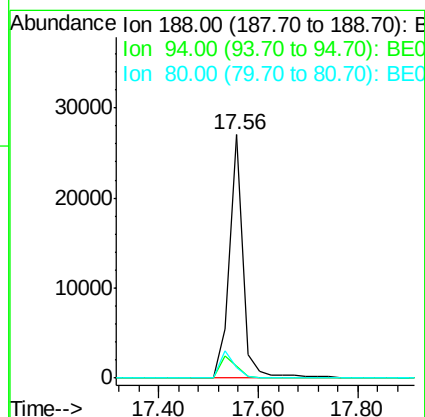
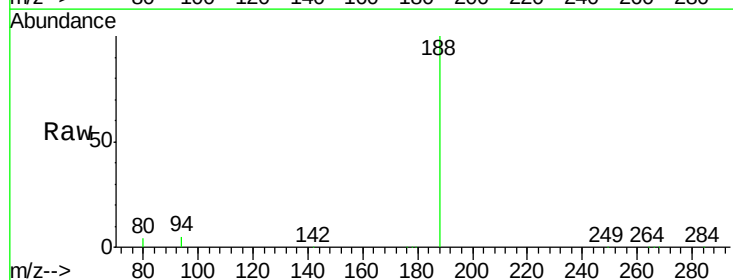
Tgt Ion:188 Resp: 51173

Ion Ratio Lower Upper

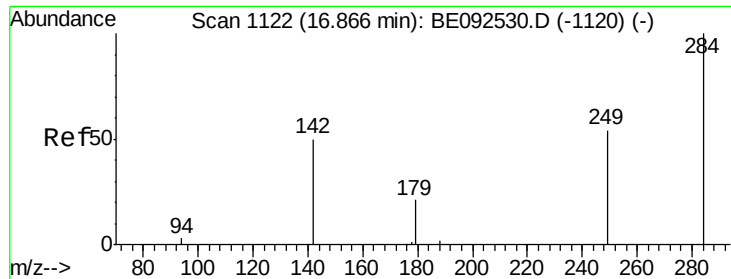
188 100

94 4.7 3.2 4.8

80 4.2 2.6 3.8#







#19

Hexachlorobenzene

Concen: 0.06 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

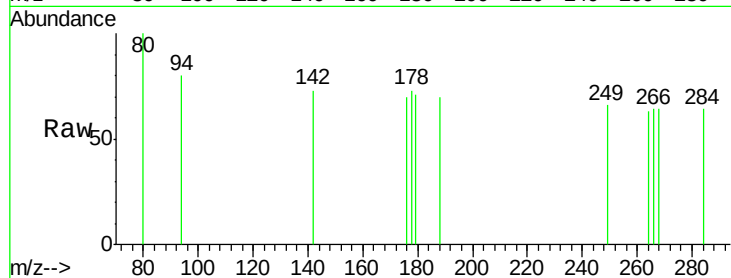
Tgt Ion: 284 Resp: 116

Ion Ratio Lower Upper

284 100

142 285.3 29.1 43.7#

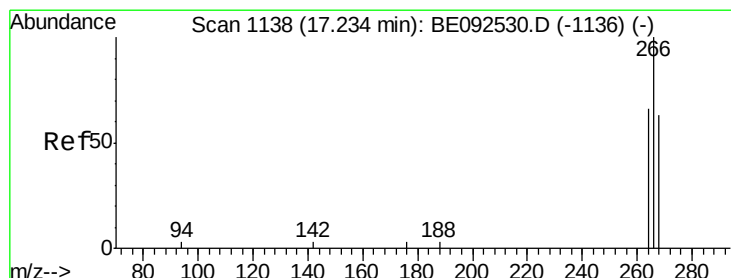
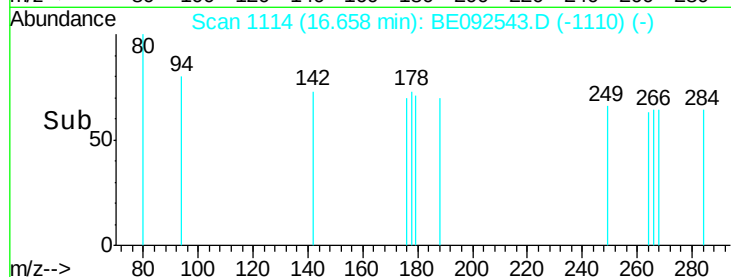
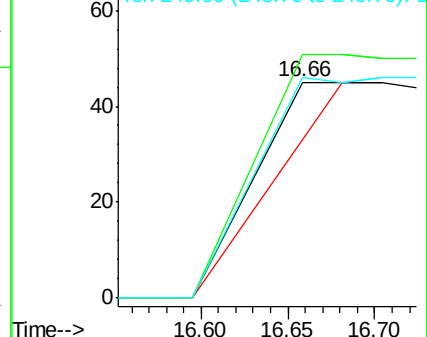
249 402.6 27.9 41.9#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#20

Pentachlorophenol

Concen: 0.59 ng

RT: 17.23 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

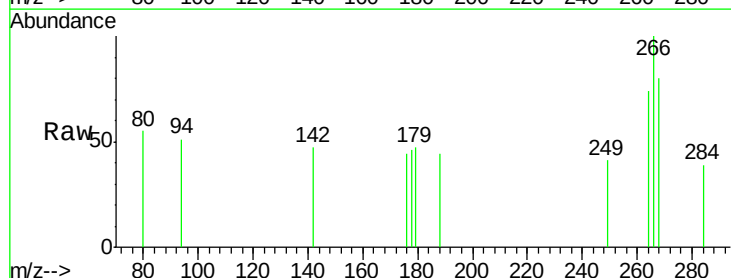
Tgt Ion: 266 Resp: 192

Ion Ratio Lower Upper

266 100

268 79.8 62.5 93.7

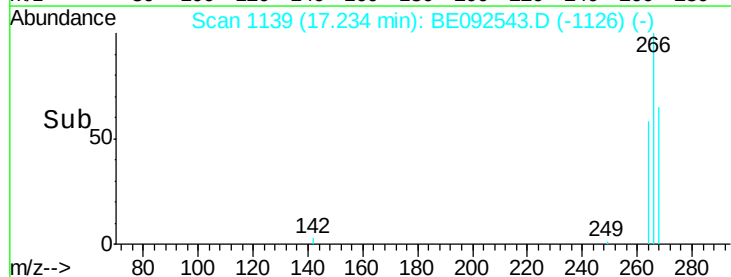
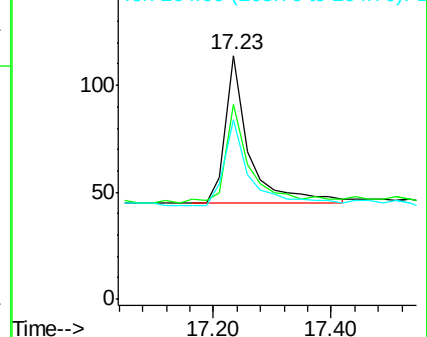
264 73.7 57.2 85.8

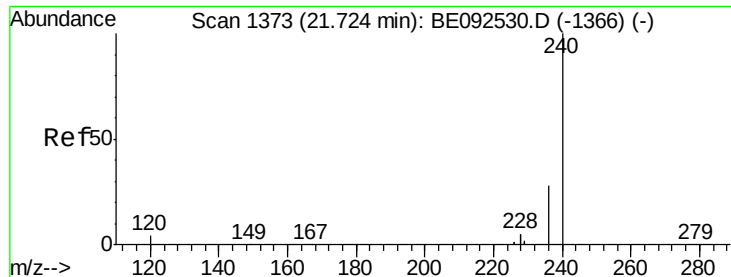


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

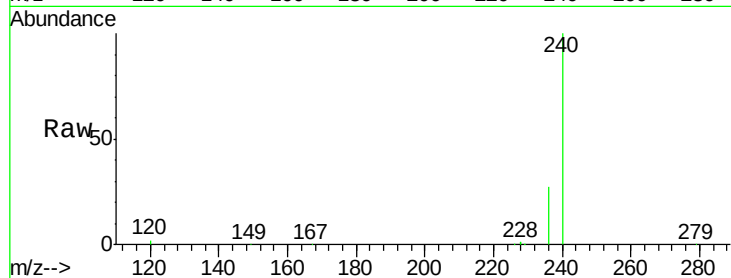
Tgt Ion:240 Resp: 76498

Ion Ratio Lower Upper

240 100

120 2.5 2.6 4.0#

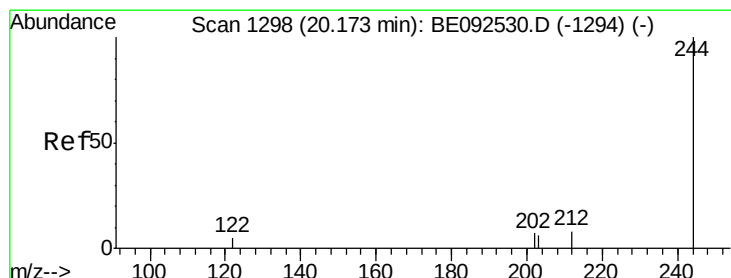
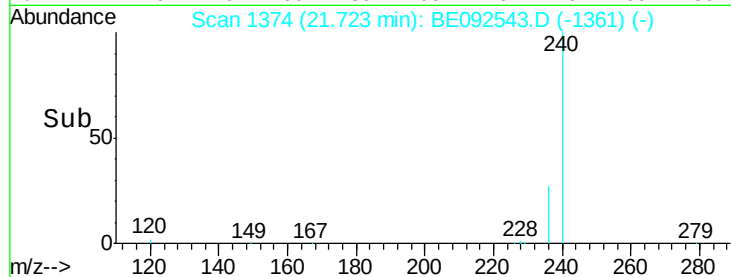
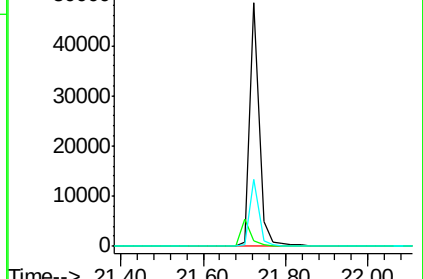
236 27.3 24.6 37.0



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

Terphenyl-d14

Concen: 6.37 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

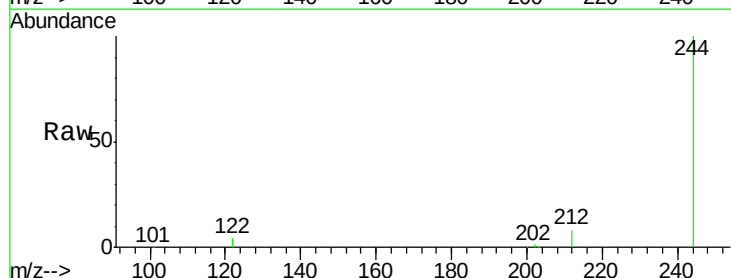
Tgt Ion:244 Resp: 55731

Ion Ratio Lower Upper

244 100

212 8.2 6.7 10.1

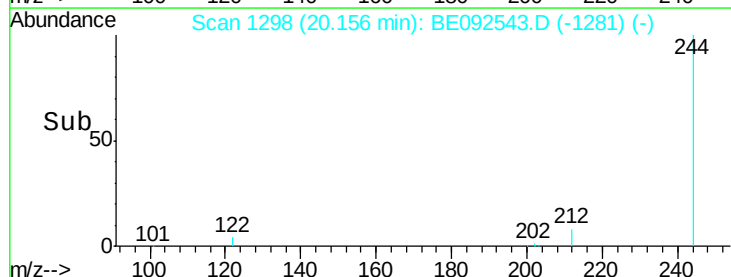
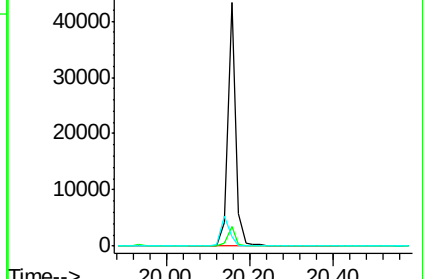
122 4.0 3.6 5.4

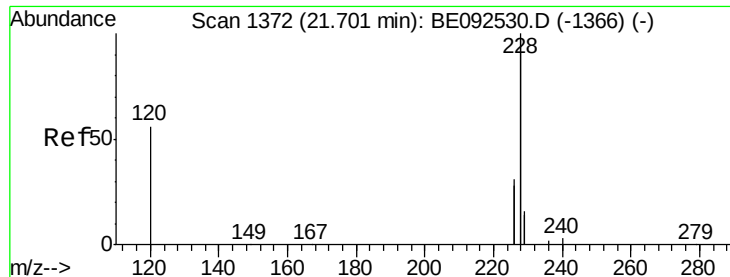


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

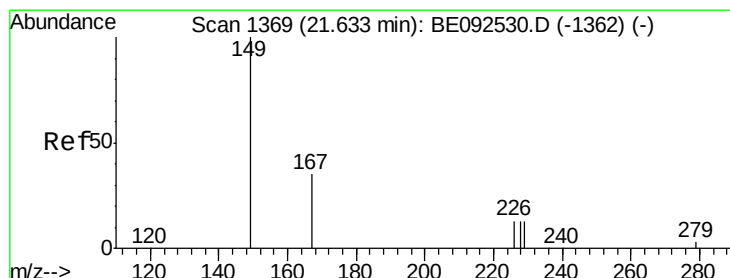
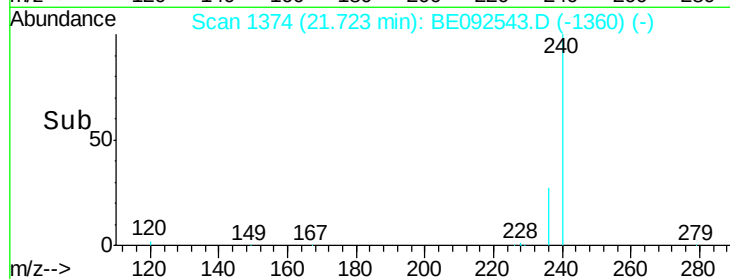
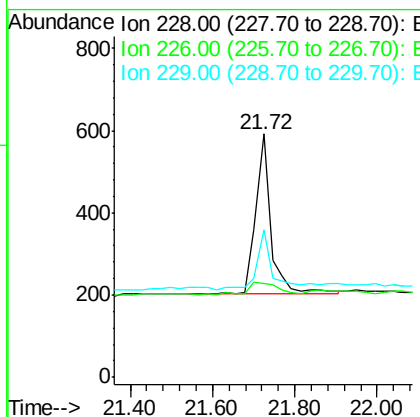
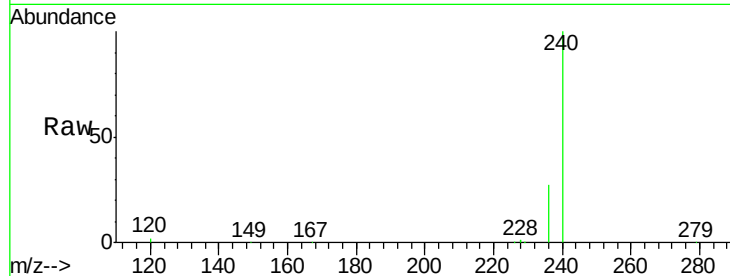




#27  
 Benzo(a)anthracene  
 Concen: 0.11 ng  
 RT: 21.72 min Scan# 1374  
 Delta R.T. 0.02 min  
 Lab File: BE092543.D  
 Acq: 16 Nov 2016 20:56

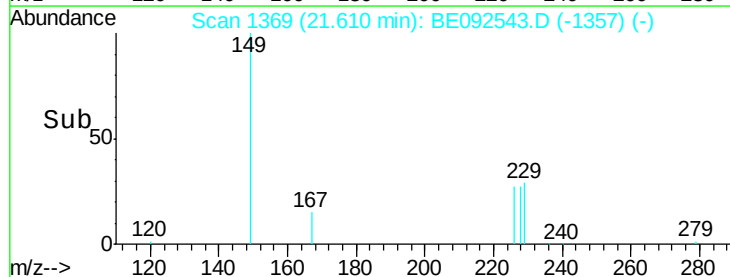
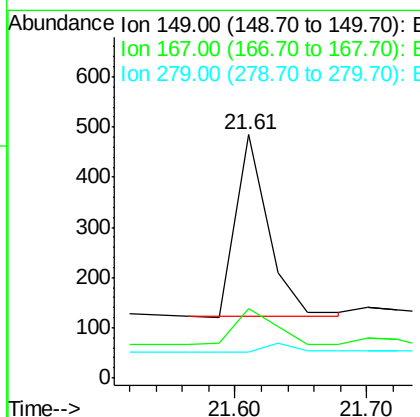
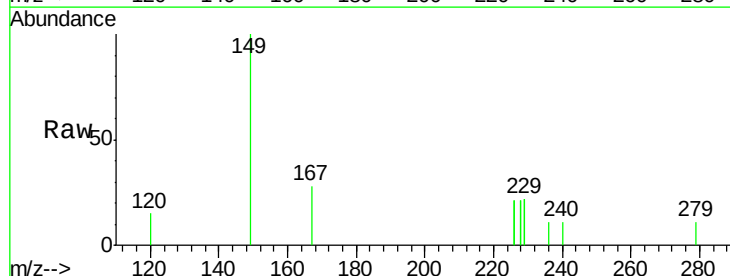
Instrument :  
 BNA\_E  
 ClientSampleId :  
 CPS073042

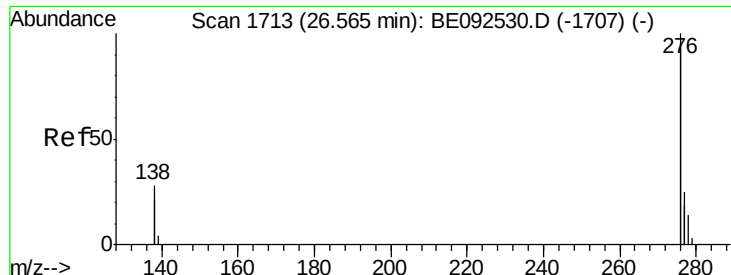
Tgt Ion: 228 Resp: 1008  
 Ion Ratio Lower Upper  
 228 100  
 226 38.5 23.6 35.4#  
 229 60.8 13.3 19.9#



#29  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.24 ng  
 RT: 21.61 min Scan# 1369  
 Delta R.T. -0.02 min  
 Lab File: BE092543.D  
 Acq: 16 Nov 2016 20:56

Tgt Ion: 149 Resp: 624  
 Ion Ratio Lower Upper  
 149 100  
 167 23.6 16.0 24.0  
 279 0.0 16.0 24.0#





#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.03 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

Instrument :

BNA\_E

ClientSampleId :

CPS073042

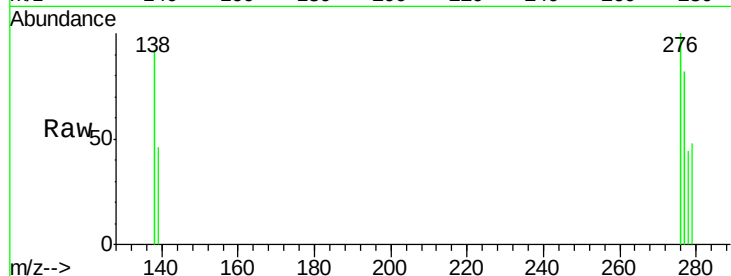
Tgt Ion:276 Resp: 380

Ion Ratio Lower Upper

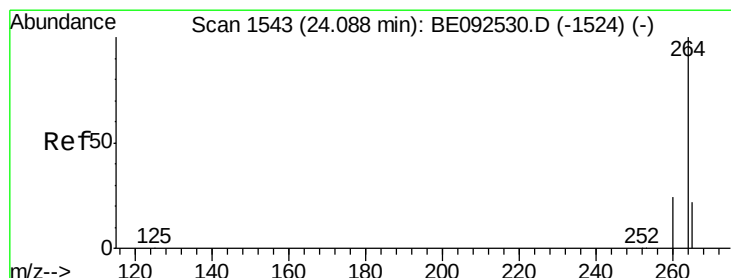
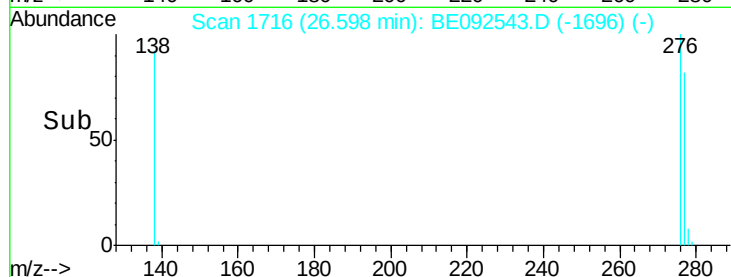
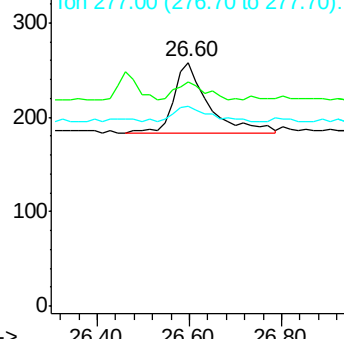
276 100

138 23.2 20.3 30.5

277 21.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092543.D

Acq: 16 Nov 2016 20:56

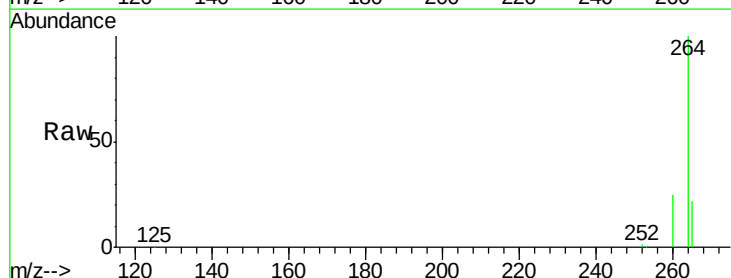
Tgt Ion:264 Resp: 69266

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 21.7 17.9 26.9



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

