

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011117\  
 Data File : BE092642.D  
 Acq On : 11 Jan 2017 15:36  
 Operator : UM/SJ  
 Sample : I1100-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 11 16:28:31 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 19 16:16:32 2016  
 Response via : Initial Calibration

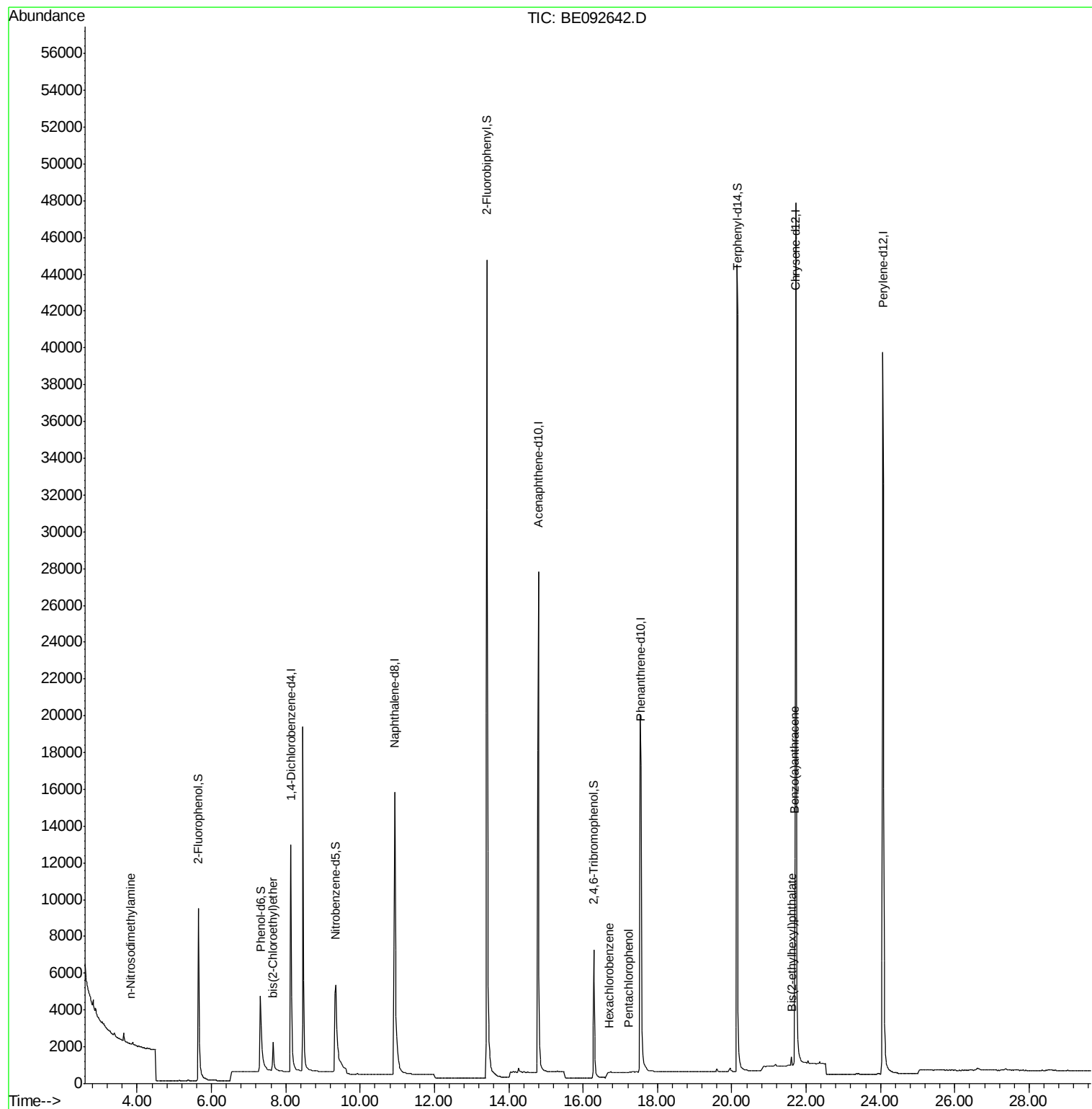
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.14  | 152  | 8013     | 5.00  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.93 | 136  | 34503    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.80 | 164  | 22193    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.56 | 188  | 45165    | 5.00  | ng    | 0.00     |
| 24) Chrysene-d12               | 21.72 | 240  | 63313    | 5.00  | ng    | 0.00     |
| 31) Perylene-d12               | 24.06 | 264  | 62593    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.65  | 112  | 10043    | 6.50  | ng    | -0.04    |
| 5) Phenol-d6                   | 7.31  | 99   | 8440     | 3.68  | ng    | -0.07    |
| 8) Nitrobenzene-d5             | 9.34  | 82   | 11303    | 4.74  | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol       | 16.28 | 330  | 5770     | 8.98  | ng    | -0.02    |
| 14) 2-Fluorobiphenyl           | 13.41 | 172  | 56436    | 10.63 | ng    | -0.02    |
| 26) Terphenyl-d14              | 20.16 | 244  | 76897    | 9.90  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 3) n-Nitrosodimethylamine      | 3.83  | 42   | 31       | 0.22  | ng    | # 16     |
| 6) bis(2-Chloroethyl)ether     | 7.66  | 93   | 29       | 0.12  | ng    | # 1      |
| 19) Hexachlorobenzene          | 16.71 | 284  | 408      | 0.21  | ng    | # 39     |
| 20) Pentachlorophenol          | 17.23 | 266  | 26       | 0.09  | ng    | # 72     |
| 27) Benzo(a)anthracene         | 21.70 | 228  | 1236     | 0.02  | ng    | # 57     |
| 29) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 575      | 0.16  | ng    | # 73     |

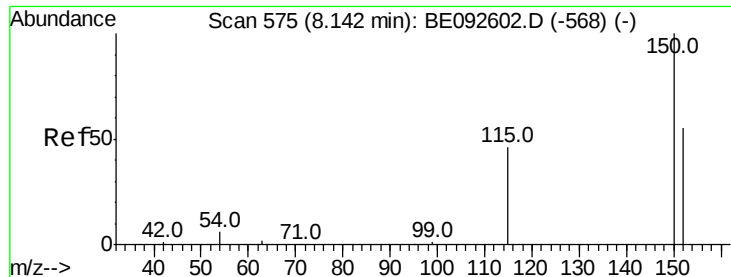
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 19 16:16:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampled :

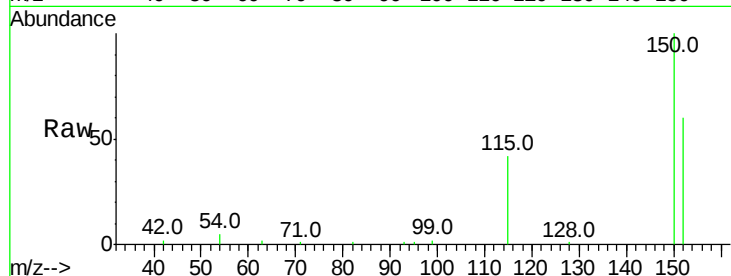
Tot Ion:152 Resp: 8013

Ion Ratio Lower Upper

152 100

150 165.4 106.0 159.0#

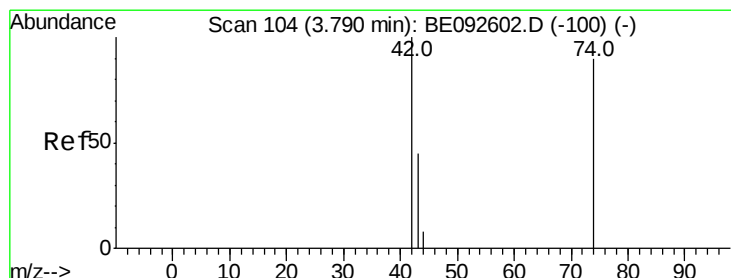
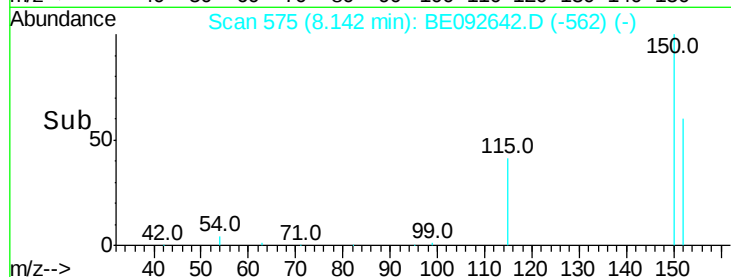
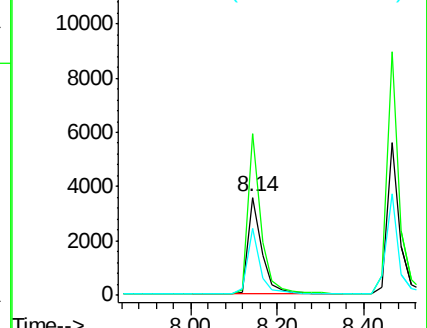
115 69.1 31.2 46.8#



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: 0.22 ng

RT: 3.83 min Scan# 107

Delta R.T. 0.04 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

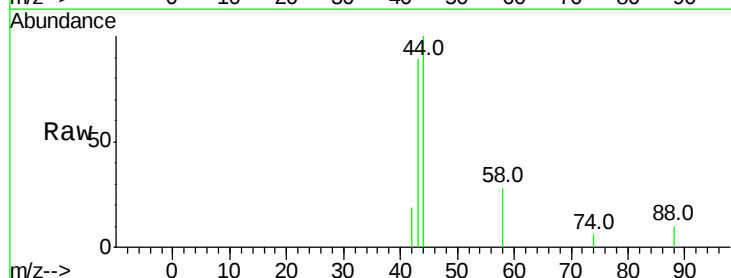
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 16.1 86.0 129.0#

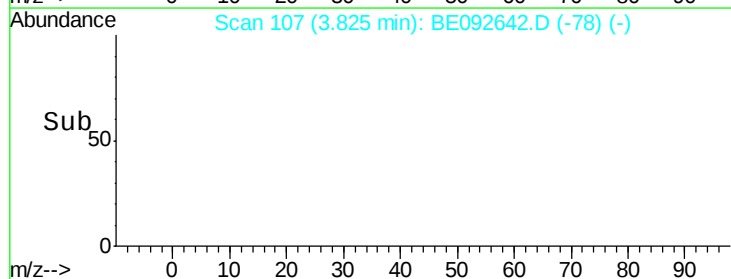
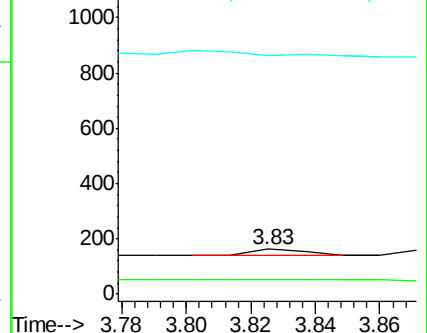
44 0.0 5.1 7.7#

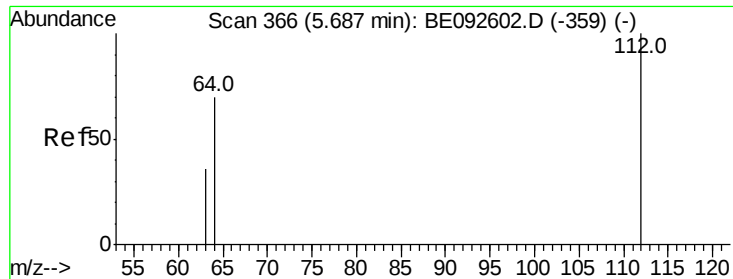


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 6.50 ng

RT: 5.65 min Scan# 359

Delta R.T. -0.04 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampleId :

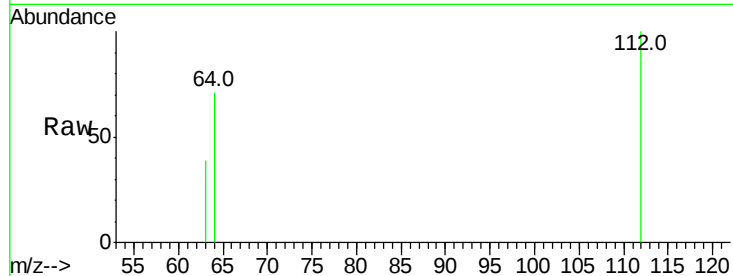
Tot Ion:112 Resp: 10043

Ion Ratio Lower Upper

112 100

64 68.9 53.5 80.3

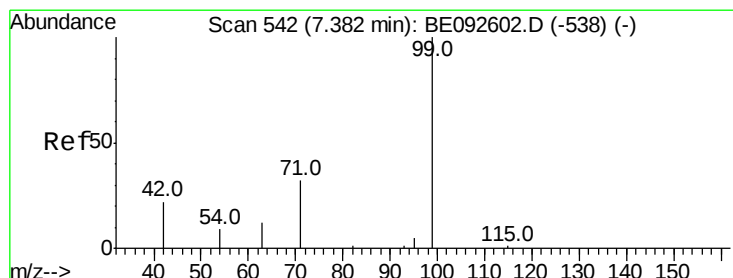
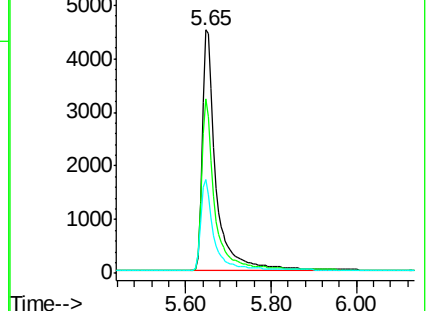
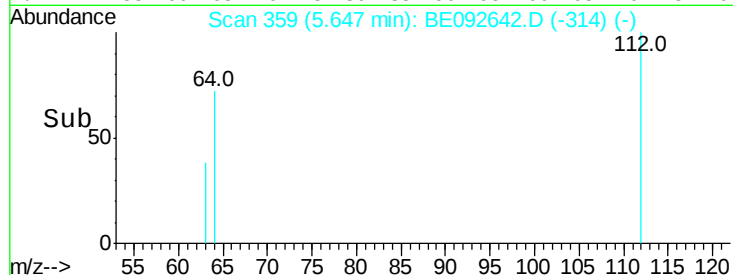
63 36.4 27.9 41.9



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: 3.68 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.07 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

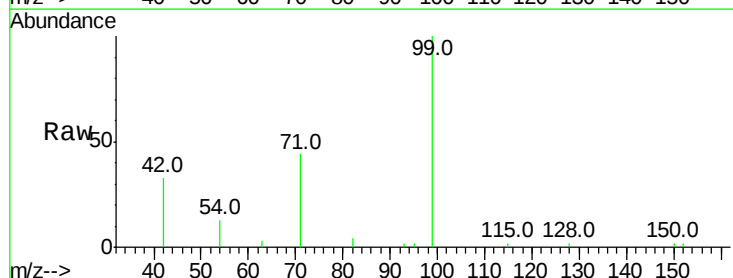
Tgt Ion: 99 Resp: 8440

Ion Ratio Lower Upper

99 100

42 24.9 16.0 24.0#

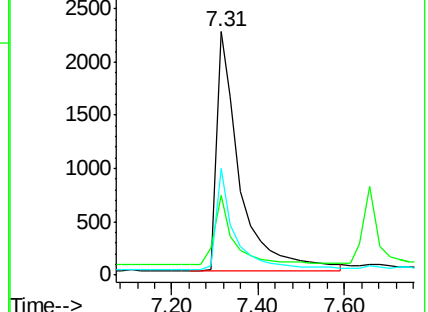
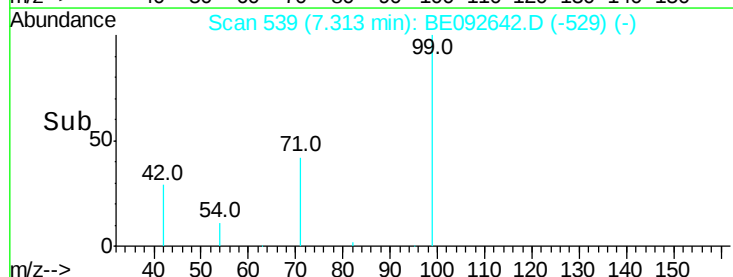
71 34.8 30.6 45.8

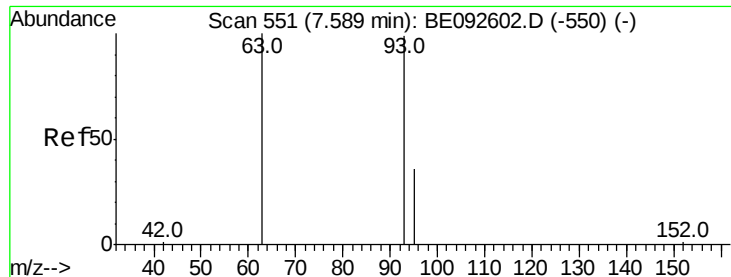


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 7.66 min Scan# 554

Delta R.T. 0.07 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampled :

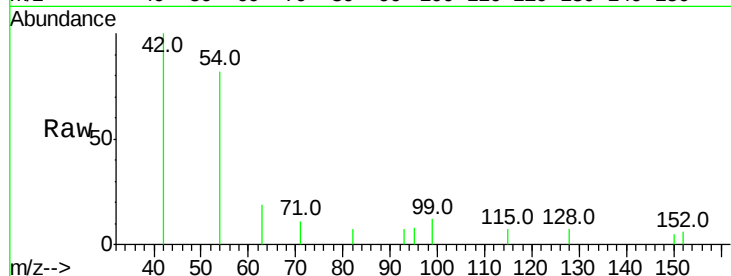
Tot Ion: 93 Resp: 29

Ion Ratio Lower Upper

93 100

63 782.8 71.6 107.4#

95 0.0 24.0 36.0#



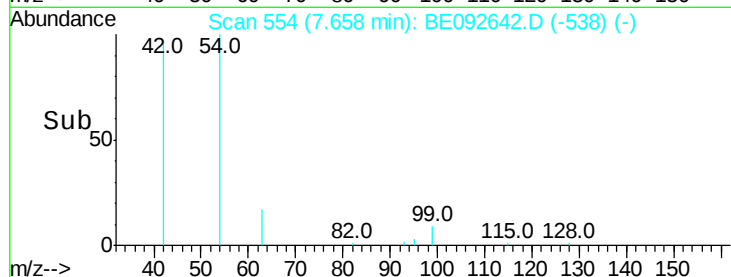
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

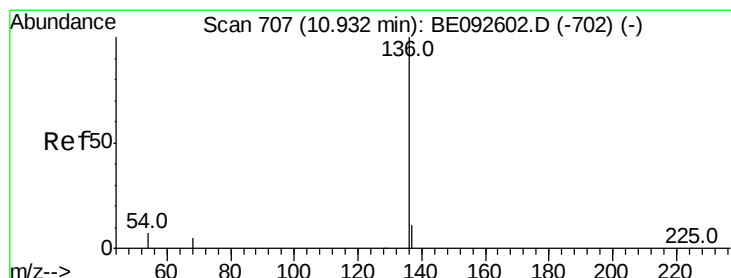
Ion 95.00 (94.70 to 95.70): BE0

7.66

Time-->



Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Tgt Ion: 136 Resp: 34503

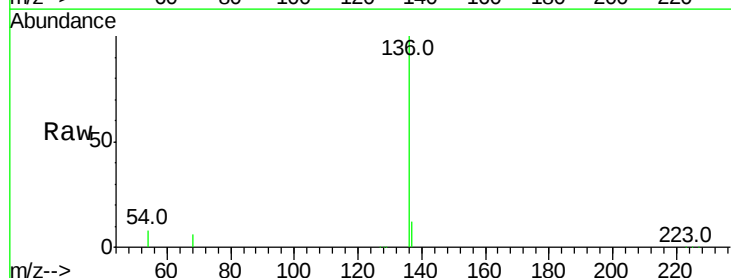
Ion Ratio Lower Upper

136 100

137 11.7 8.2 12.4

54 8.0 9.6 14.4#

68 5.7 6.7 10.1#



Abundance Ion 136.00 (135.70 to 136.70): E

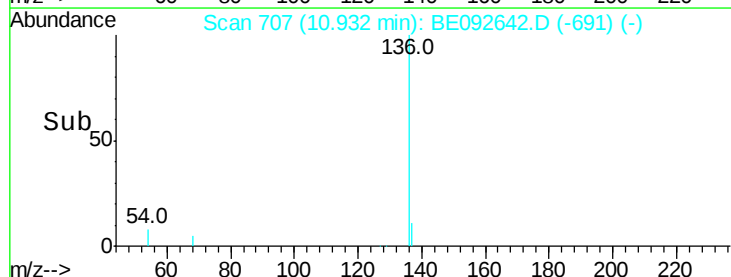
Ion 137.00 (136.70 to 137.70): E

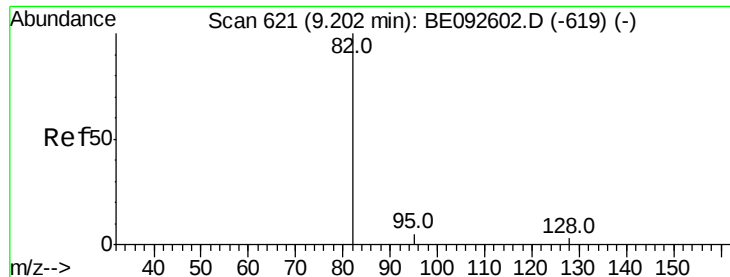
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

10.93

Time-->





#8

Nitrobenzene-d5

Concen: 4.74 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampleId :

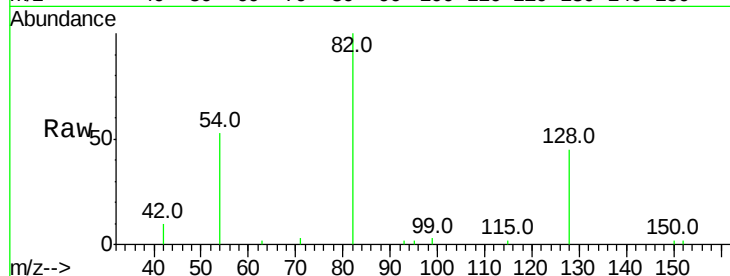
Tot Ion: 82 Resp: 11303

Ion Ratio Lower Upper

82 100

128 45.5 39.0 58.4

54 53.3 44.8 67.2



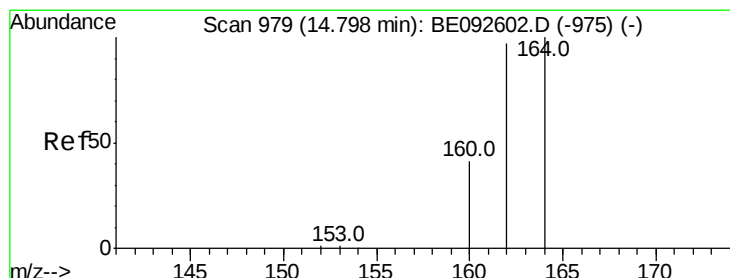
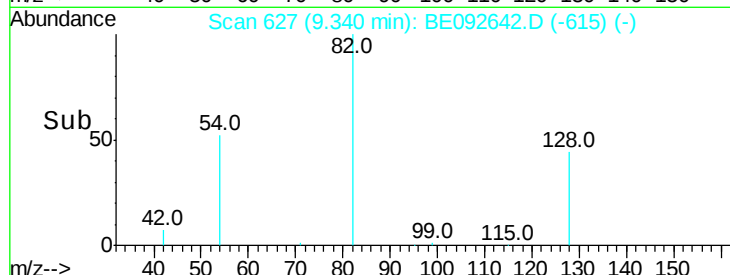
Abundance Ion 82.00 (81.70 to 82.70): BE092642.D (-619) (-)

Ion 128.00 (127.70 to 128.70): BE092642.D (-619) (-)

Ion 54.00 (53.70 to 54.70): BE092642.D (-619) (-)

Time-->

9.20 9.34 9.40 9.60



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

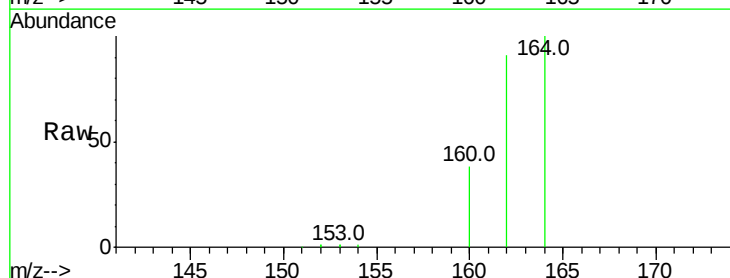
Tgt Ion: 164 Resp: 22193

Ion Ratio Lower Upper

164 100

162 91.3 71.4 107.0

160 37.6 27.4 41.2



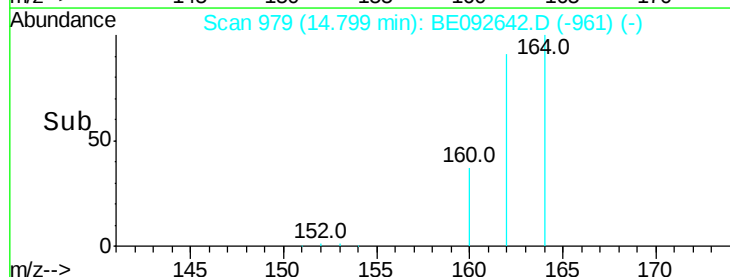
Abundance Ion 164.00 (163.70 to 164.70): BE092642.D (-975) (-)

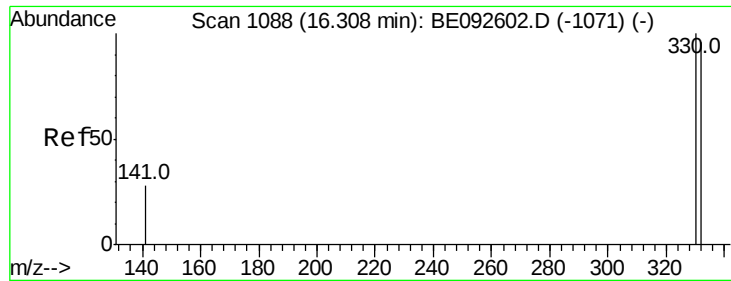
Ion 162.00 (161.70 to 162.70): BE092642.D (-975) (-)

Ion 160.00 (159.70 to 160.70): BE092642.D (-975) (-)

Time-->

14.60 14.80 15.00

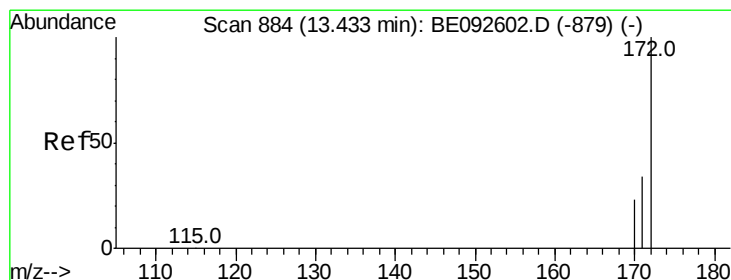
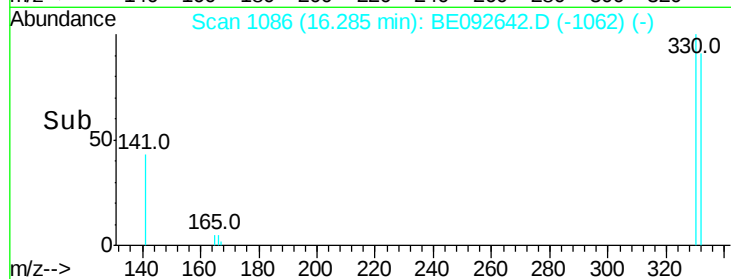
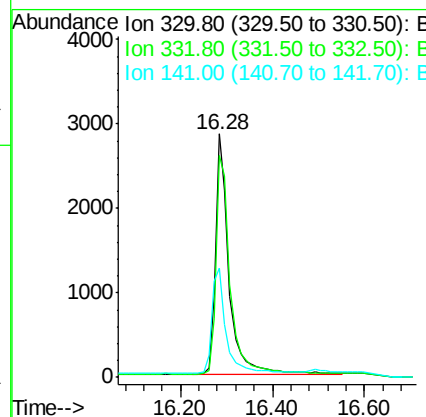
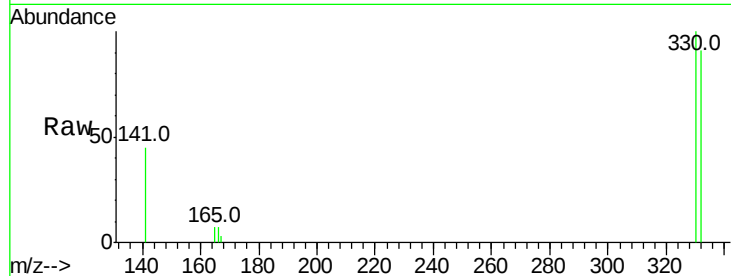




#13  
 2,4,6-Tribromophenol  
 Concen: 8.98 ng  
 RT: 16.28 min Scan# 1086  
 Delta R.T. -0.02 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

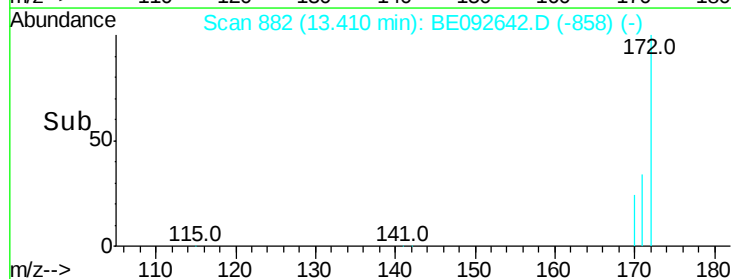
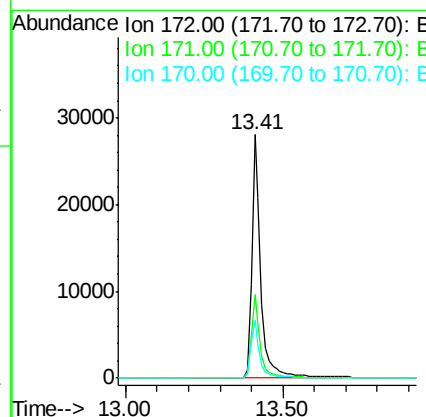
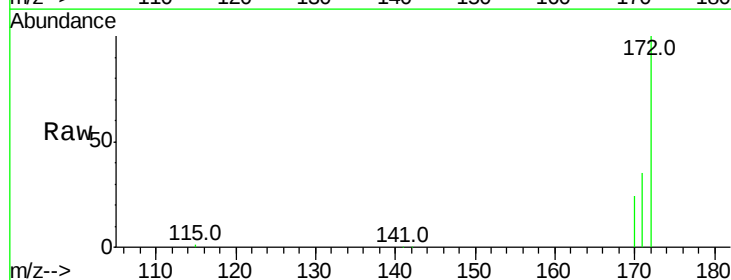
Instrument :  
 BNA\_E  
 ClientSampleId :

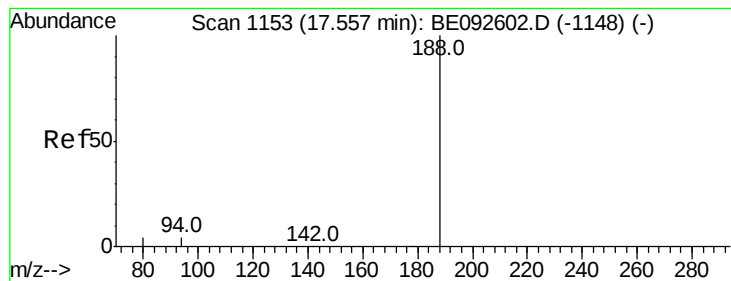
Tot Ion:330 Resp: 5770  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 75.4 113.0  
 141 46.2 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 10.63 ng  
 RT: 13.41 min Scan# 882  
 Delta R.T. -0.02 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

Tgt Ion:172 Resp: 56436  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 30.1 45.1  
 170 23.9 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: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampleId :

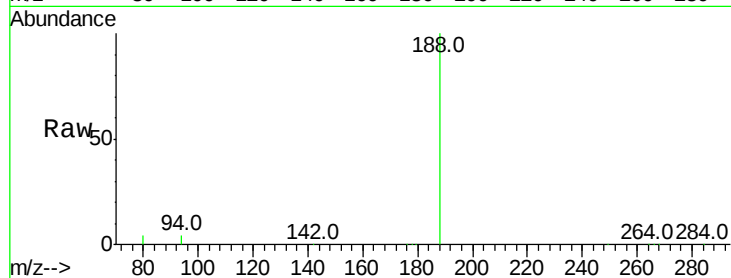
Tot Ion:188 Resp: 45165

Ion Ratio Lower Upper

188 100

94 4.2 3.2 4.8

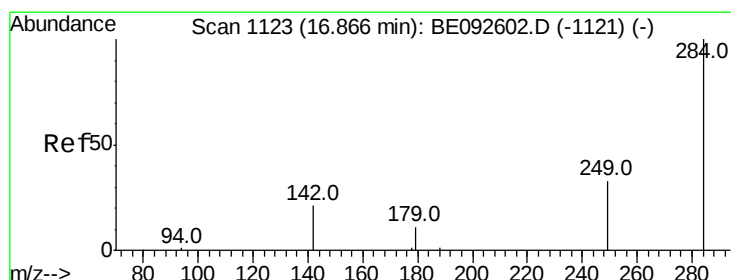
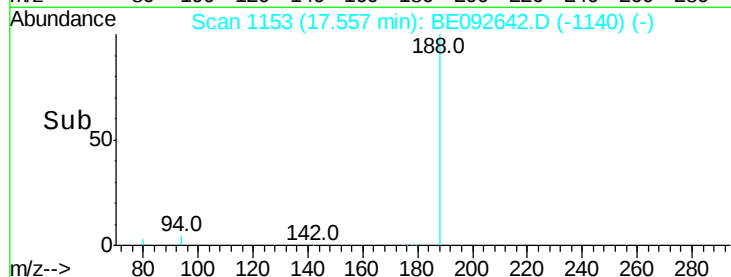
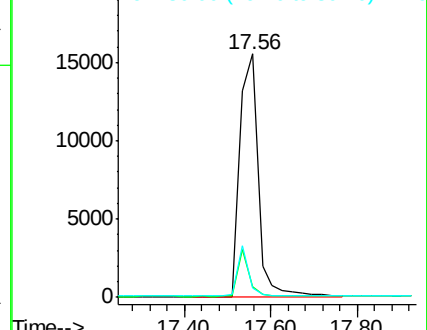
80 3.9 2.6 3.8#



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



#19

Hexachlorobenzene

Concen: 0.21 ng

RT: 16.71 min Scan# 1116

Delta R.T. -0.16 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

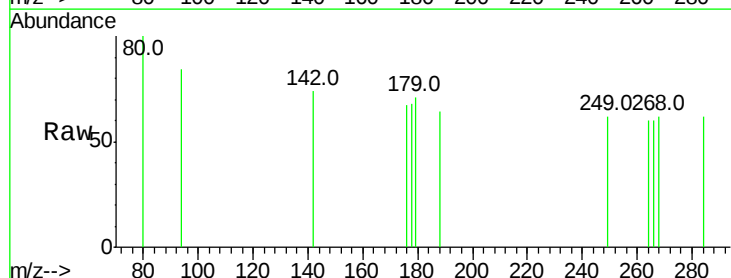
Tgt Ion:284 Resp: 408

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

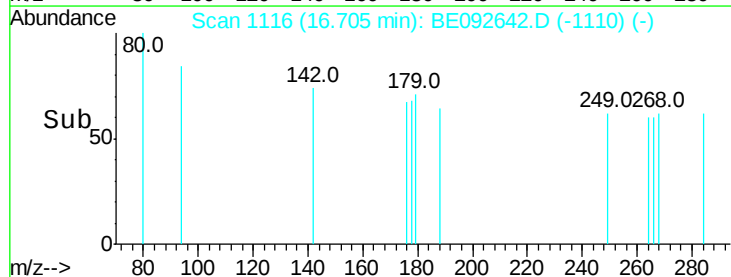
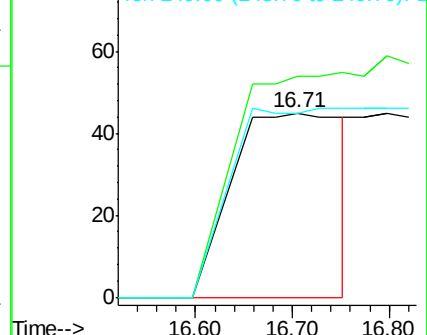
249 0.0 27.9 41.9#

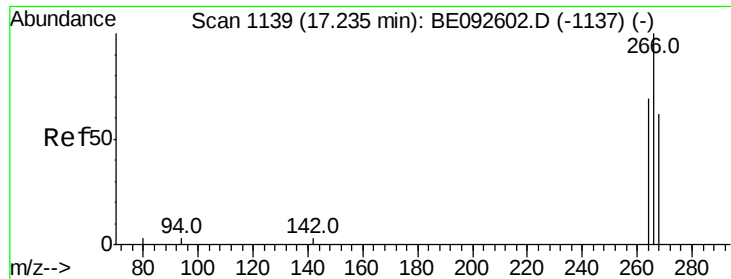


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

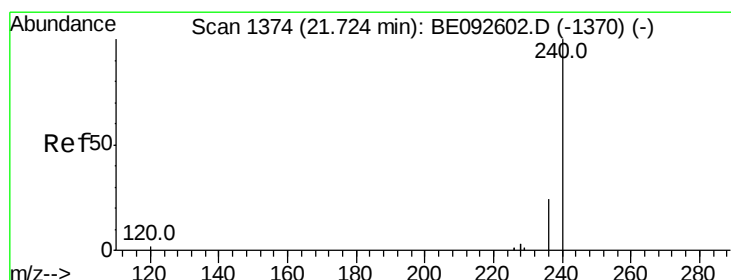
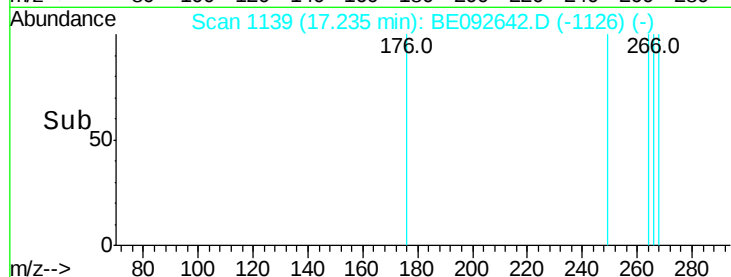
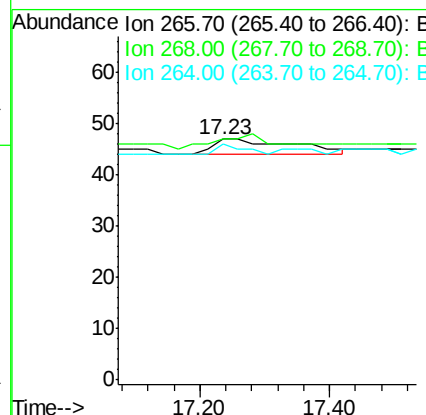
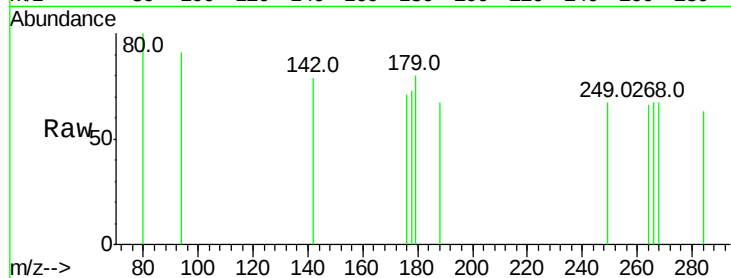




#20  
 Pentachlorophenol  
 Concen: 0.09 ng  
 RT: 17.23 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

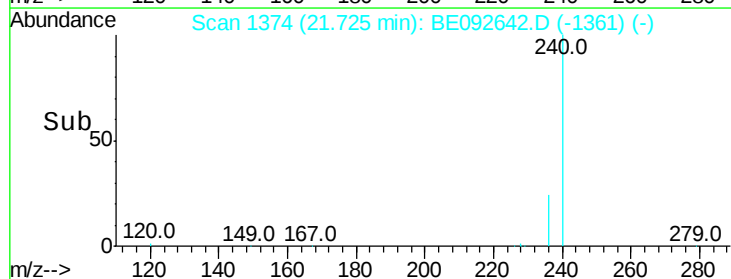
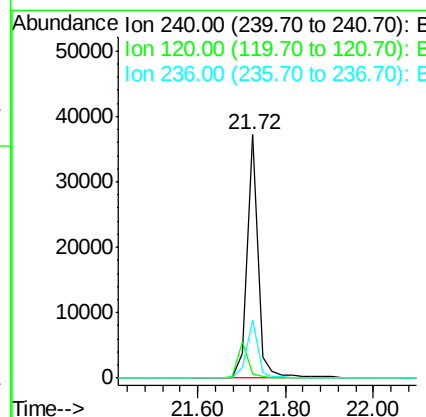
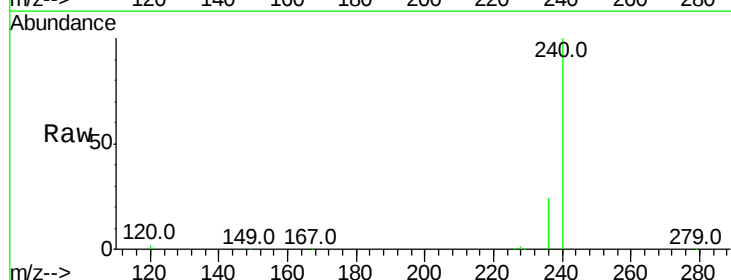
Instrument :  
 BNA\_E  
 ClientSampleId :

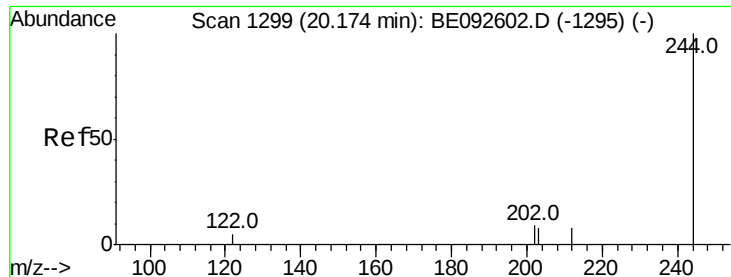
Tot Ion:266 Resp: 26  
 Ion Ratio Lower Upper  
 266 100  
 268 100.0 62.5 93.7#  
 264 97.9 57.2 85.8#



#24  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.72 min Scan# 1374  
 Delta R.T. 0.00 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

Tgt Ion:240 Resp: 63313  
 Ion Ratio Lower Upper  
 240 100  
 120 1.7 2.6 4.0#  
 236 23.9 24.6 37.0#

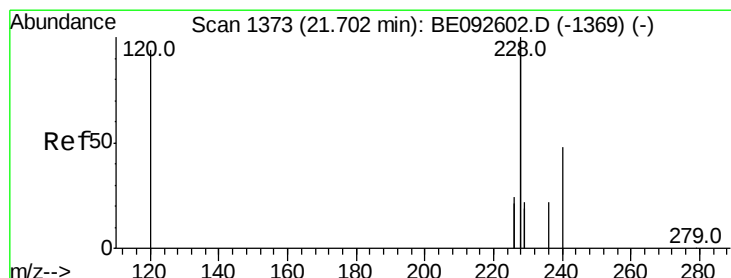
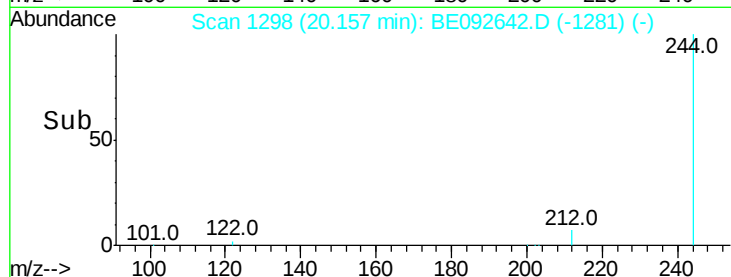
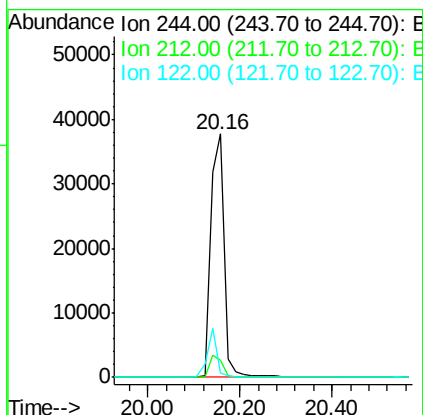
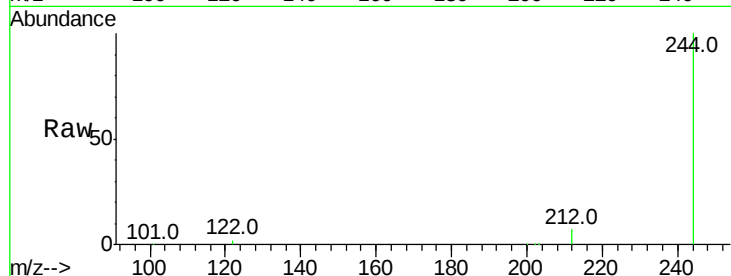




#26  
 Terphenyl-d14  
 Concen: 9.90 ng  
 RT: 20.16 min Scan# 1298  
 Delta R.T. -0.02 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

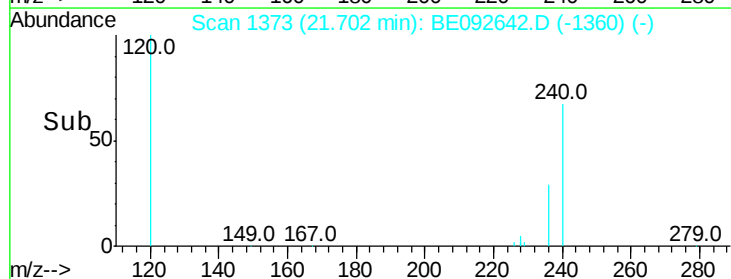
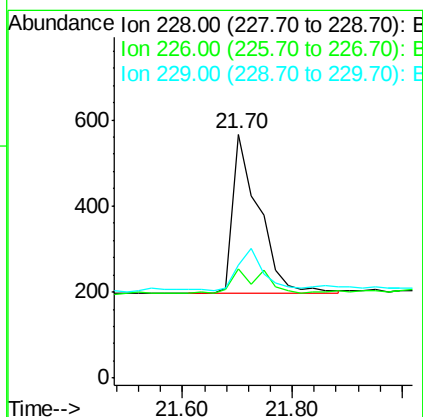
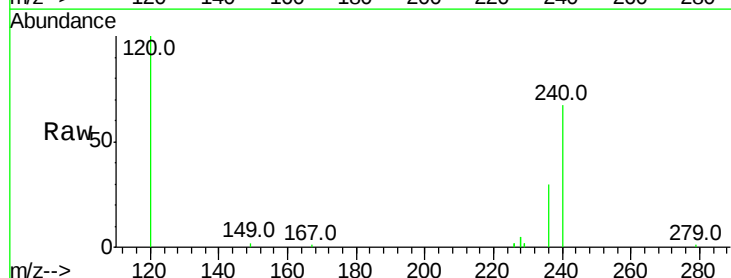
Instrument :  
 BNA\_E  
 ClientSampleId :

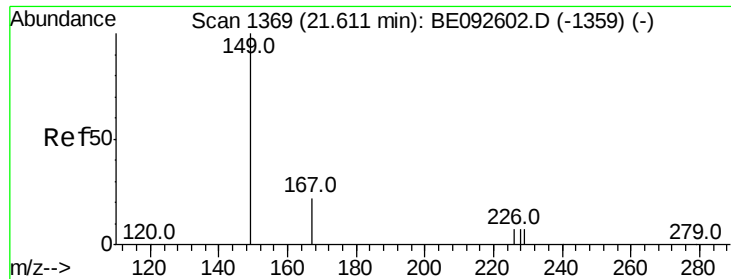
Tot Ion:244 Resp: 76897  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.7 10.1  
 122 1.9 3.6 5.4#



#27  
 Benzo(a)anthracene  
 Concen: 0.02 ng  
 RT: 21.70 min Scan# 1373  
 Delta R.T. 0.00 min  
 Lab File: BE092642.D  
 Acq: 11 Jan 2017 15:36

Tgt Ion:228 Resp: 1236  
 Ion Ratio Lower Upper  
 228 100  
 226 44.9 23.6 35.4#  
 229 46.3 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

Instrument :

BNA\_E

ClientSampleId :

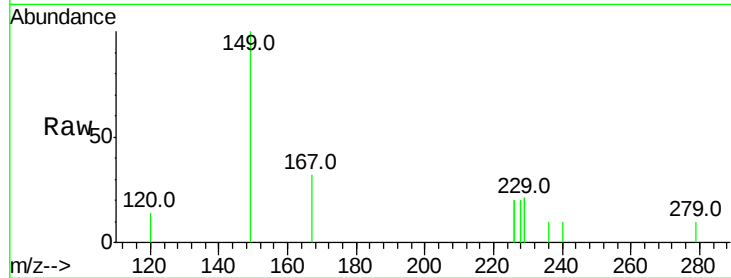
Tot Ion:149 Resp: 575

Ion Ratio Lower Upper

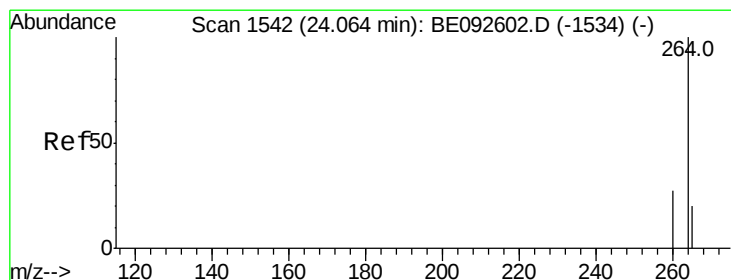
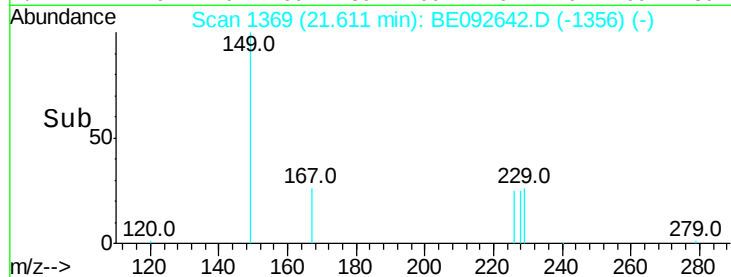
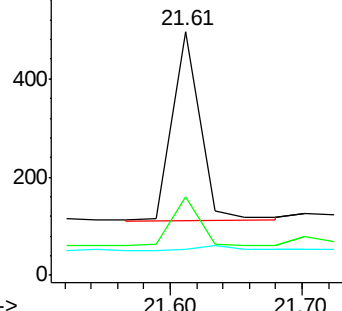
149 100

167 24.5 16.0 24.0#

279 0.0 16.0 24.0#



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



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE092642.D

Acq: 11 Jan 2017 15:36

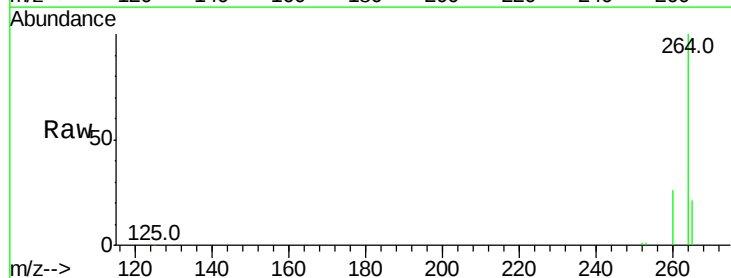
Tgt Ion:264 Resp: 62593

Ion Ratio Lower Upper

264 100

260 26.0 20.1 30.1

265 21.4 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

