

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090116\  
 Data File : BE092335.D  
 Acq On : 1 Sep 2016 19:01  
 Operator : UM/SJ  
 Sample : H4642-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS033-160829

Quant Time: Sep 02 11:06:29 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 10:54:21 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.19  | 152  | 8536     | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.95 | 136  | 38280    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 22362    | 5.00 | ng    | -0.02    |
| 18) Phenanthrene-d10      | 17.58 | 188  | 56639    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 89609    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.11 | 264  | 80708    | 5.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.68  | 112  | 7375     | 3.25 | ng    | 0.00     |
| 5) Phenol-d6                | 7.34  | 99   | 5293     | 1.68 | ng    | -0.02    |
| 8) Nitrobenzene-d5          | 9.34  | 82   | 10623    | 3.80 | ng    | -0.02    |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330  | 7170     | 8.19 | ng    | -0.01    |
| 14) 2-Fluorobiphenyl        | 13.45 | 172  | 26883    | 3.94 | ng    | 0.00     |
| 26) Terphenyl-d14           | 20.17 | 244  | 47750    | 3.87 | ng    | -0.02    |

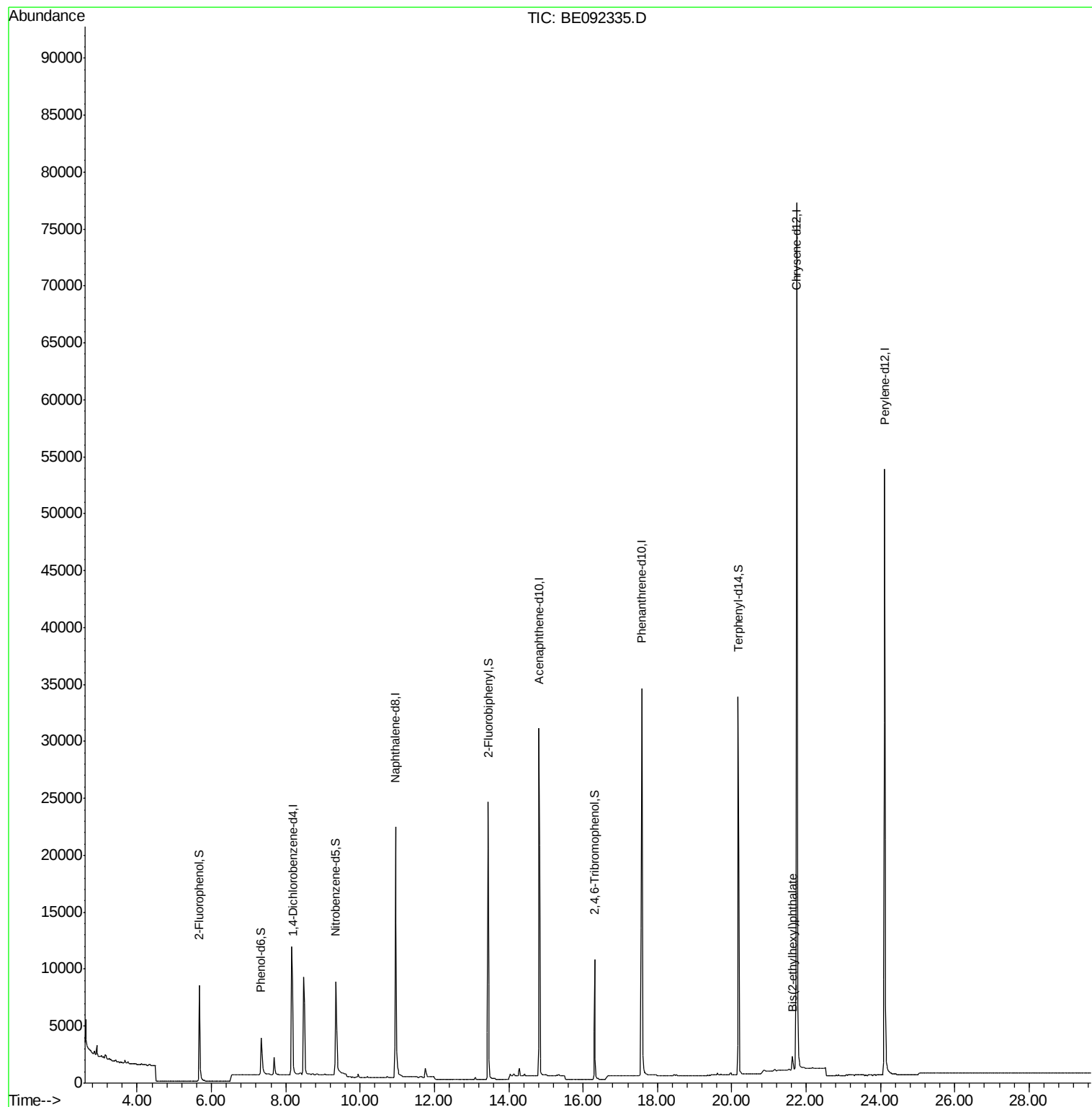
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149  | 1945     | 0.20 | ng    | # 76   |

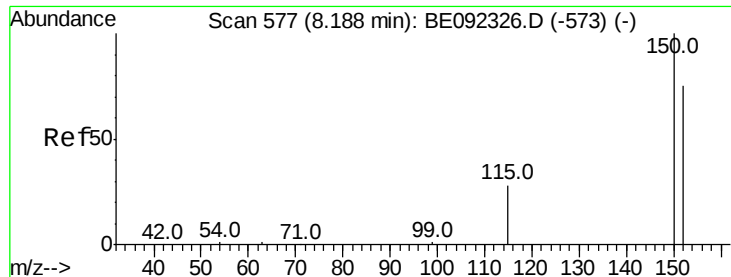
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090116\  
Data File : BE092335.D  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_E  
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KY038PS033-160829

Quant Time: Sep 02 11:06:29 2016  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 10:54:21 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.19 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-160829

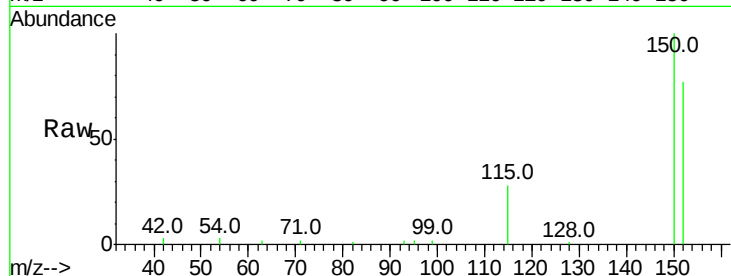
Tot Ion:152 Resp: 8536

Ion Ratio Lower Upper

152 100

150 129.4 106.0 159.0

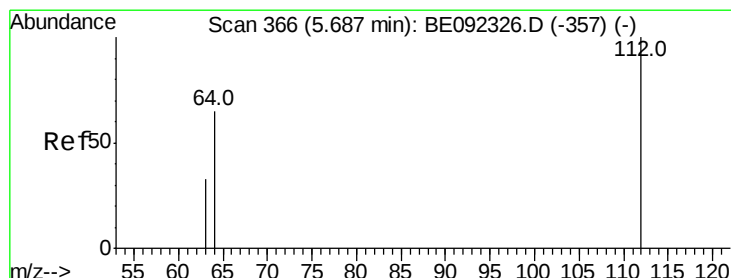
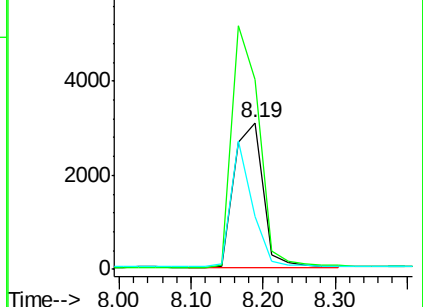
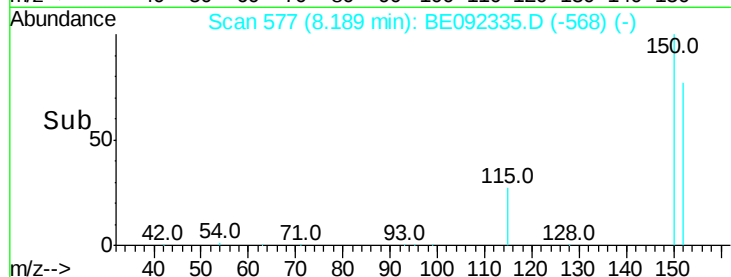
115 36.0 31.2 46.8



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



#4

2-Fluorophenol

Concen: 3.25 ng

RT: 5.68 min Scan# 365

Delta R.T. -0.01 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

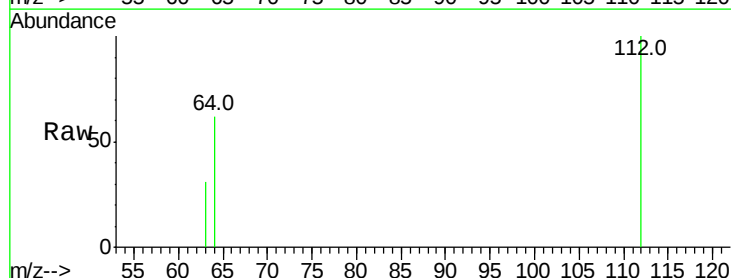
Tgt Ion:112 Resp: 7375

Ion Ratio Lower Upper

112 100

64 67.3 53.5 80.3

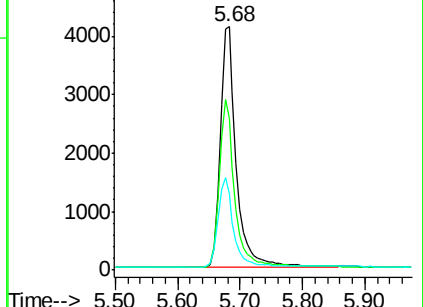
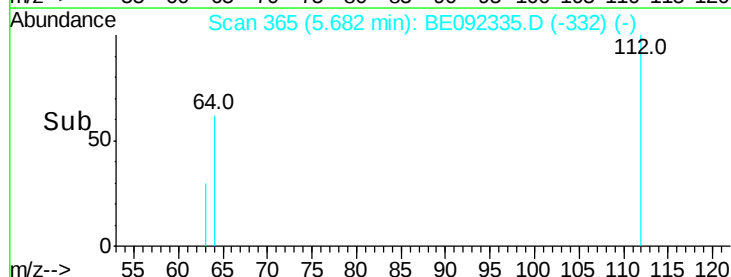
63 35.7 27.9 41.9

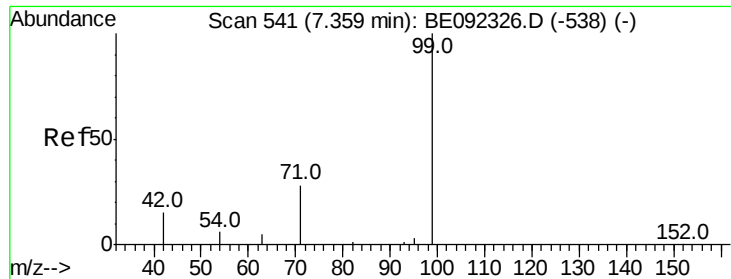


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.68 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-160829

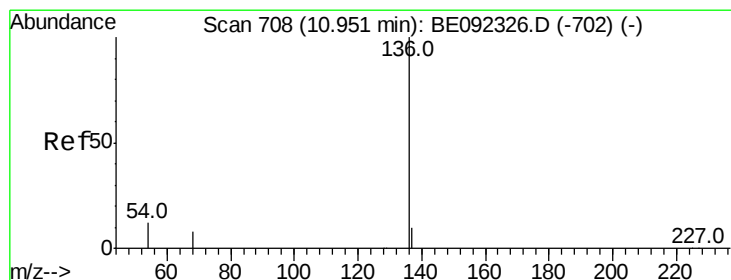
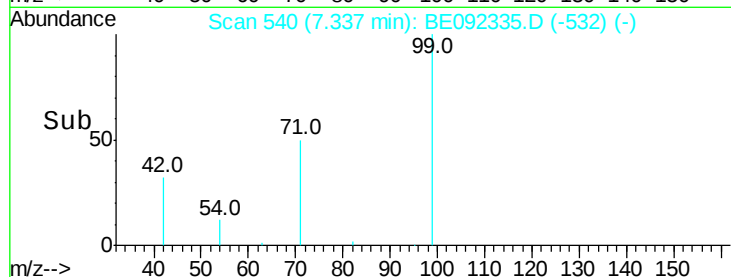
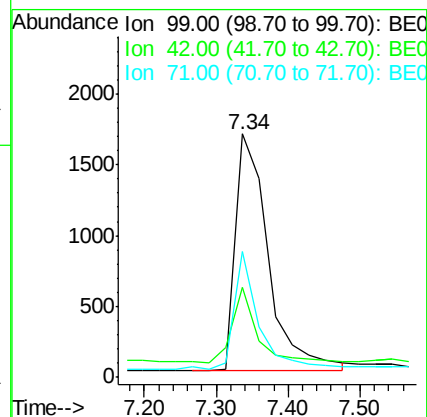
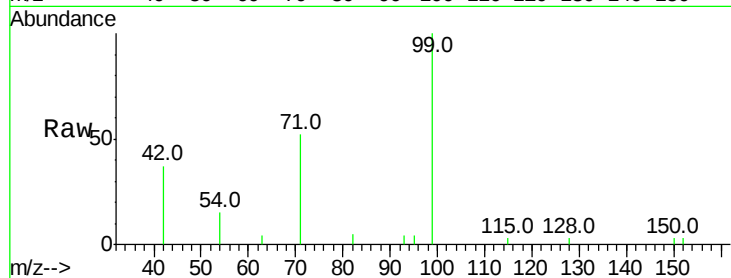
Tot Ion: 99 Resp: 5293

Ion Ratio Lower Upper

99 100

42 23.0 0.0 0.0#

71 37.7 30.6 45.8



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

Tgt Ion: 136 Resp: 38280

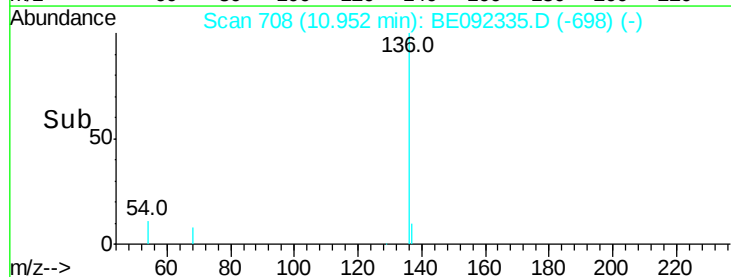
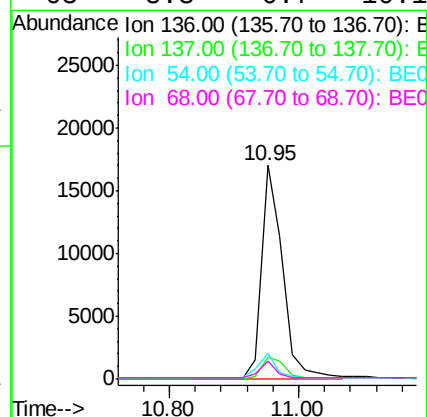
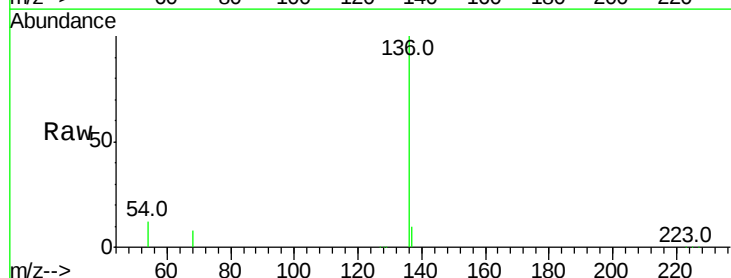
Ion Ratio Lower Upper

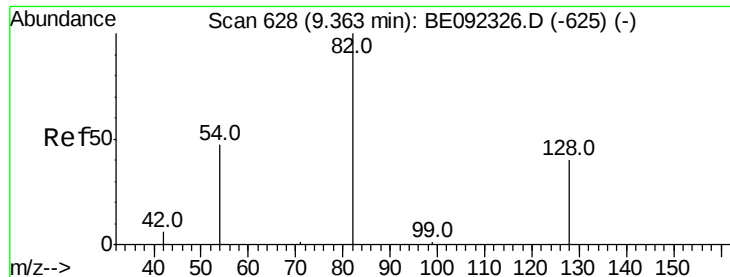
136 100

137 10.3 8.2 12.4

54 11.7 9.6 14.4

68 8.3 6.7 10.1

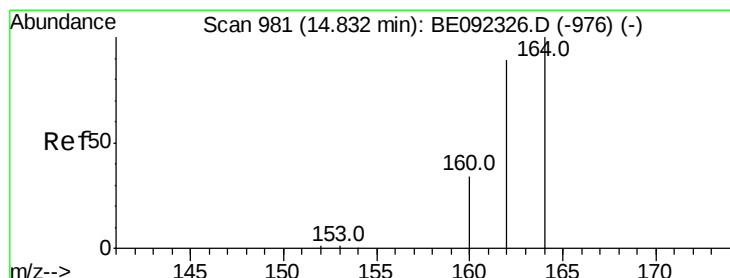
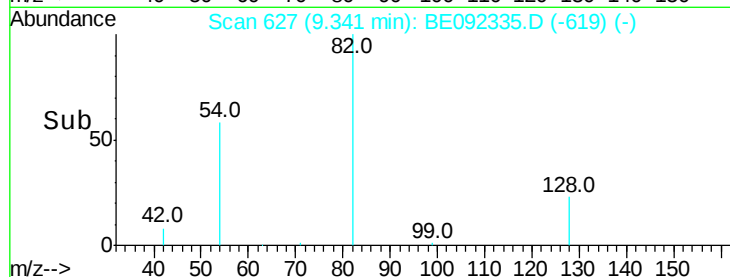
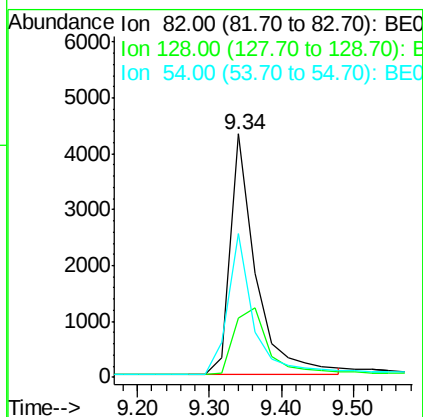
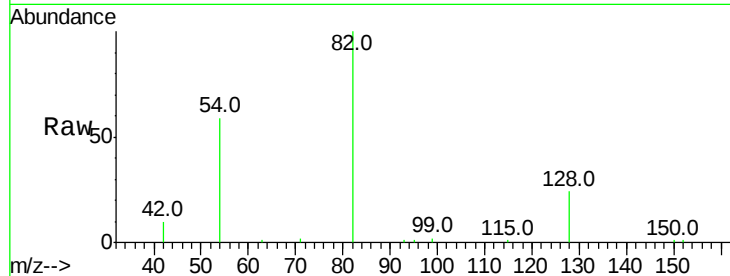




#8  
 Nitrobenzene-d5  
 Concen: 3.80 ng  
 RT: 9.34 min Scan# 627  
 Delta R.T. -0.02 min  
 Lab File: BE092335.D  
 Acq: 1 Sep 2016 19:01

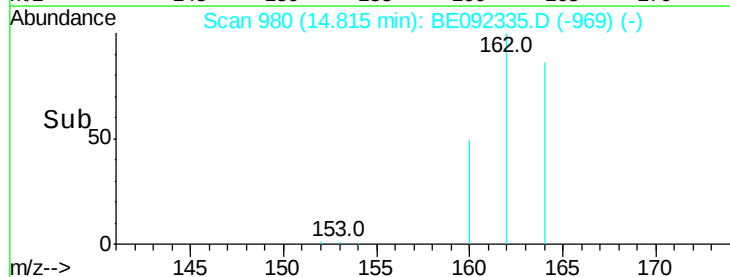
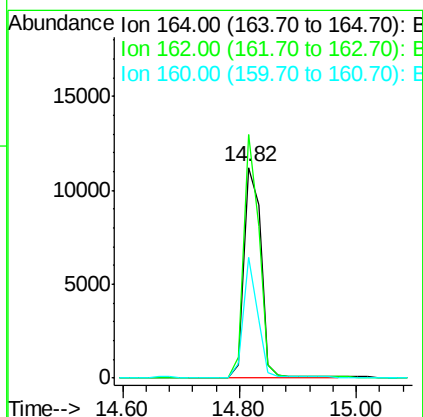
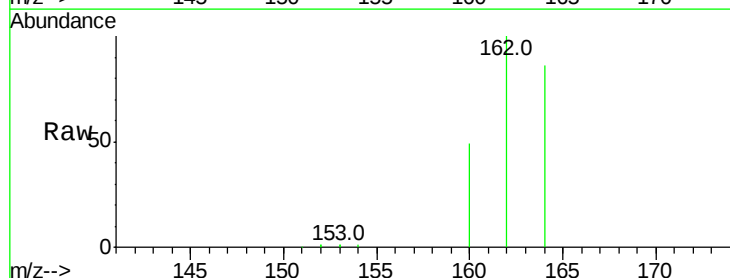
Instrument :  
 BNA\_E  
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 KY038PS033-160829

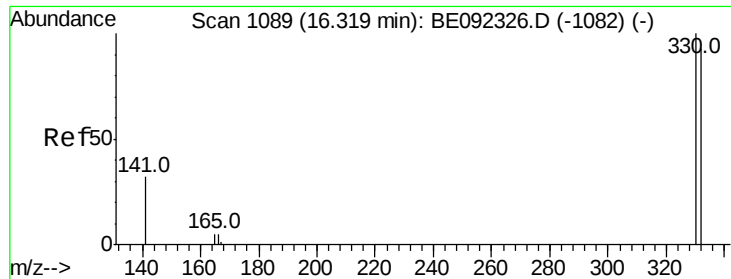
Tot Ion: 82 Resp: 10623  
 Ion Ratio Lower Upper  
 82 100  
 128 24.4 39.0 58.4#  
 54 59.0 44.8 67.2



#12  
 Acenaphthene-d10  
 Concen: 5.00 ng  
 RT: 14.82 min Scan# 980  
 Delta R.T. -0.02 min  
 Lab File: BE092335.D  
 Acq: 1 Sep 2016 19:01

Tgt Ion: 164 Resp: 22362  
 Ion Ratio Lower Upper  
 164 100  
 162 115.6 71.4 107.0#  
 160 57.1 27.4 41.2#

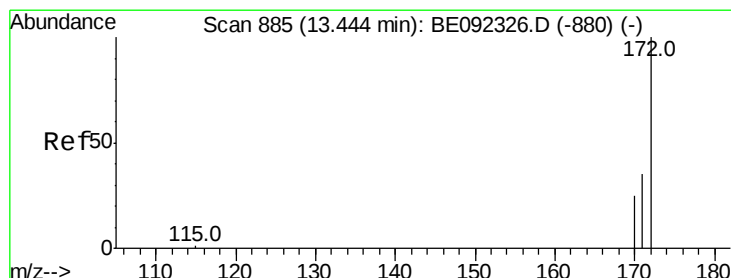
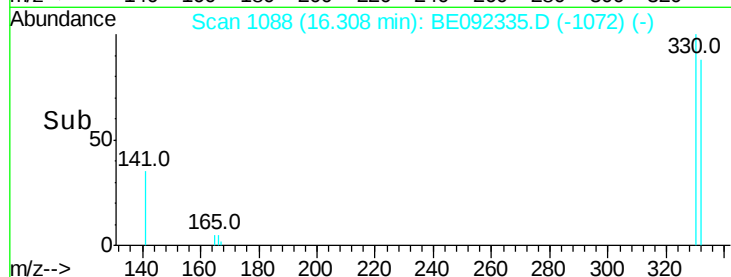
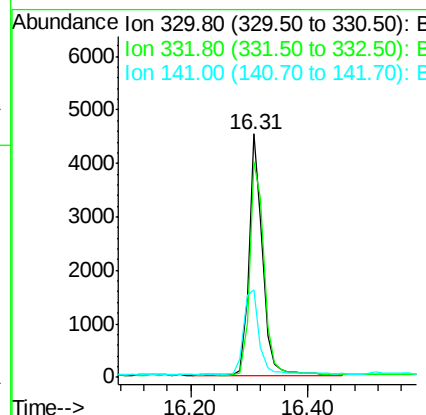
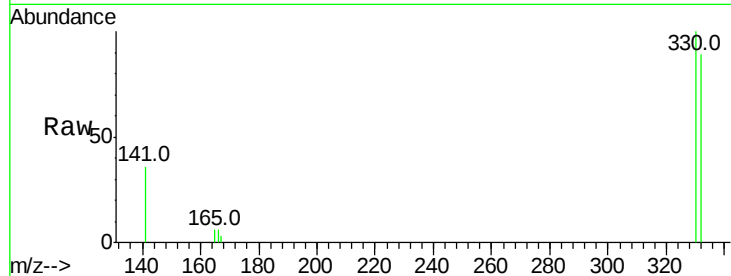




#13  
 2,4,6-Tribromophenol  
 Concen: 8.19 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092335.D  
 Acq: 1 Sep 2016 19:01

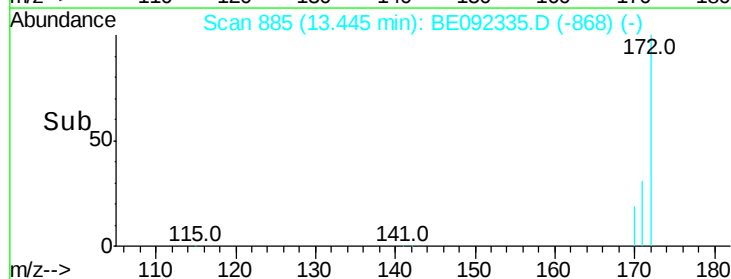
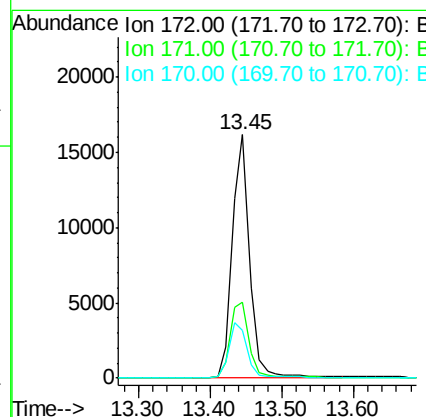
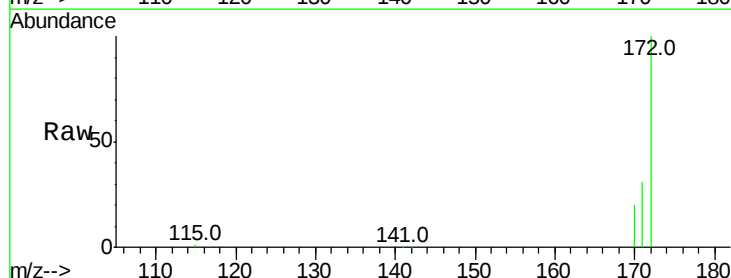
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS033-160829

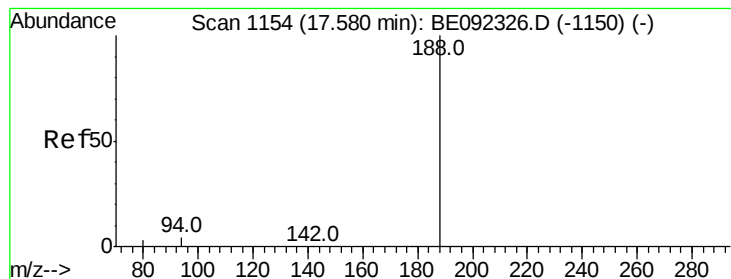
Tot Ion:330 Resp: 7170  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 75.4 113.0  
 141 40.3 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 3.94 ng  
 RT: 13.45 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: BE092335.D  
 Acq: 1 Sep 2016 19:01

Tgt Ion:172 Resp: 26883  
 Ion Ratio Lower Upper  
 172 100  
 171 31.4 30.1 45.1  
 170 19.6 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-160829

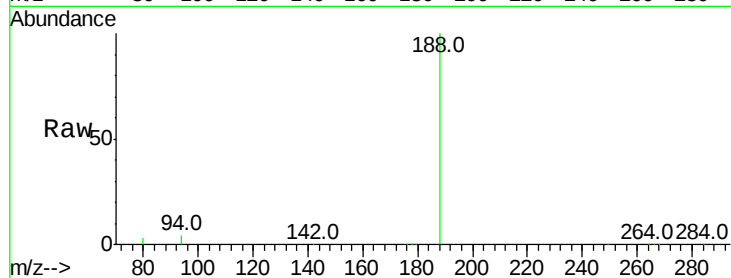
Tot Ion:188 Resp: 56639

Ion Ratio Lower Upper

188 100

94 4.0 3.2 4.8

80 3.3 2.6 3.8

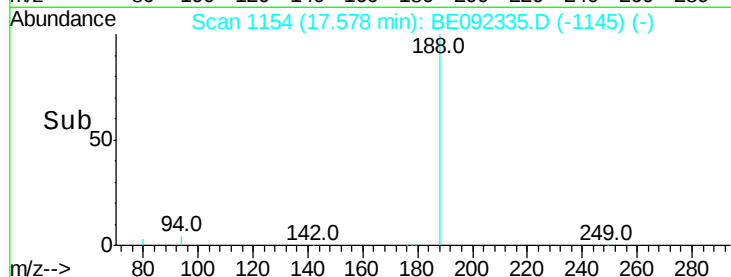


Abundance Ion 188.00 (187.70 to 188.70): E

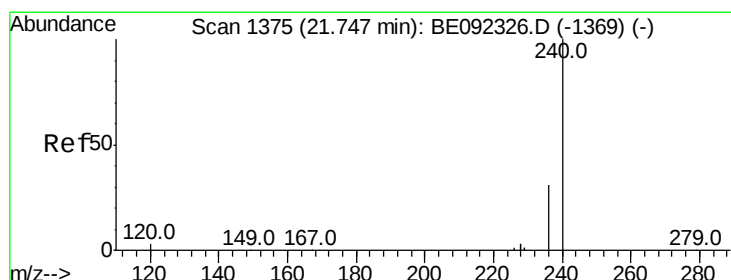
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

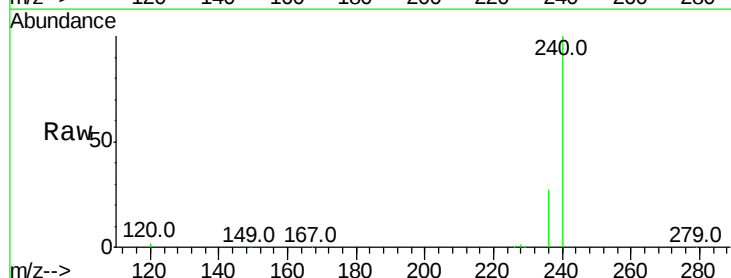
Tgt Ion:240 Resp: 89609

Ion Ratio Lower Upper

240 100

120 1.8 2.6 4.0#

236 26.8 24.6 37.0

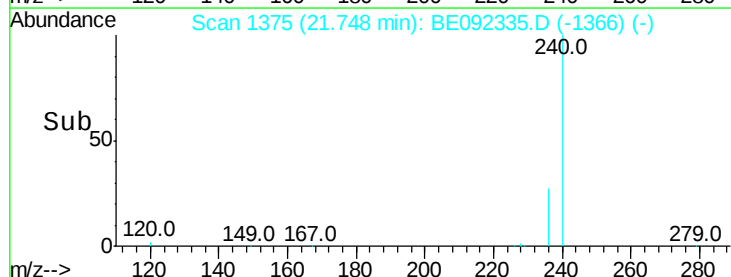


Abundance Ion 240.00 (239.70 to 240.70): E

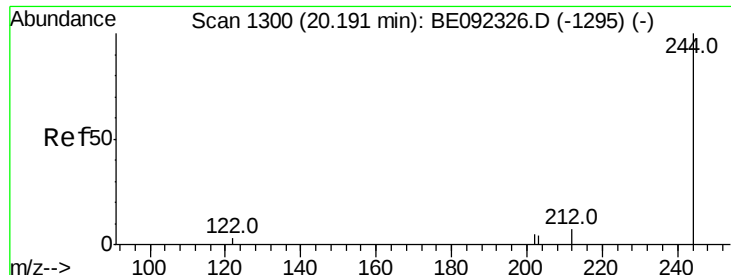
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#26

Terphenyl-d14

Concen: 3.87 ng

RT: 20.17 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

Instrument :

BNA\_E

ClientSampleId :

KY038PS033-160829

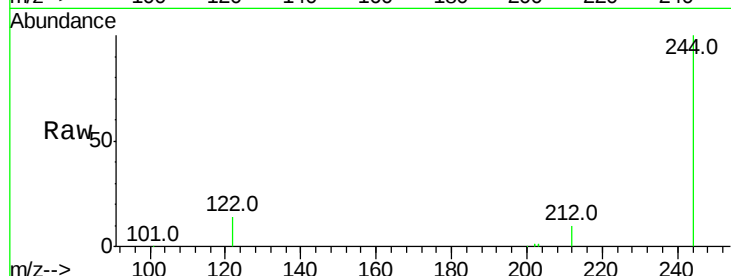
Tot Ion:244 Resp: 47750

Ion Ratio Lower Upper

244 100

212 9.6 6.7 10.1

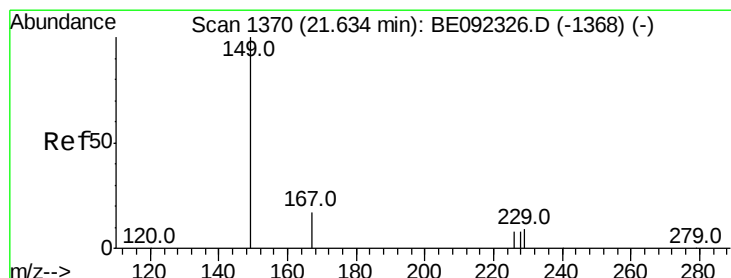
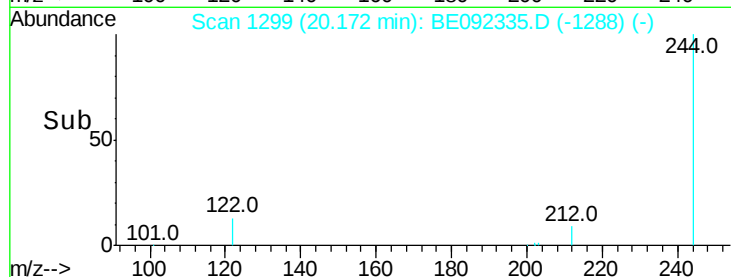
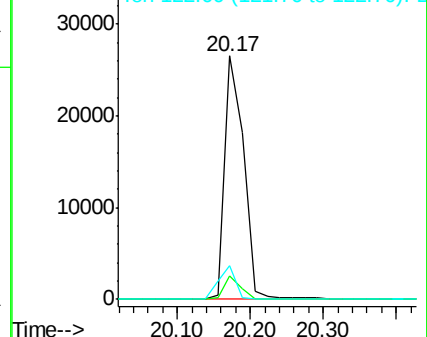
122 13.7 3.6 5.4#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092335.D

Acq: 1 Sep 2016 19:01

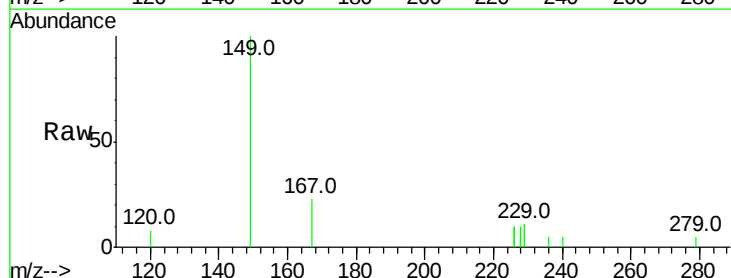
Tgt Ion:149 Resp: 1945

Ion Ratio Lower Upper

149 100

167 22.0 16.0 24.0

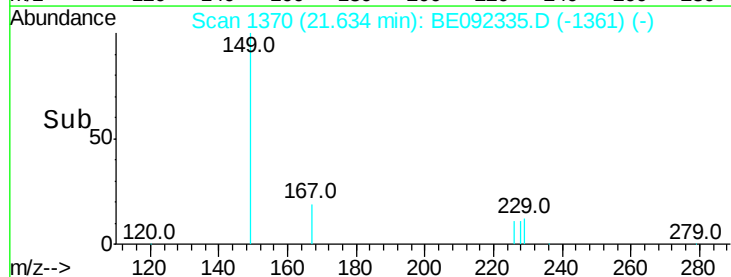
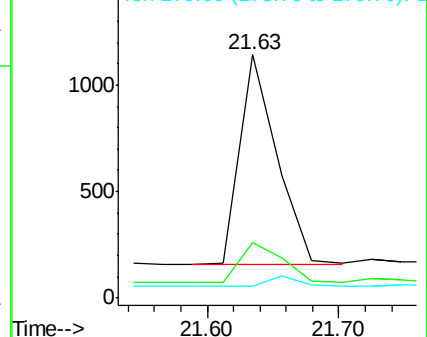
279 0.0 16.0 24.0#

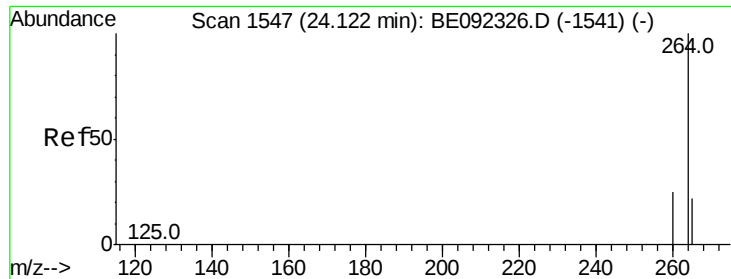


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

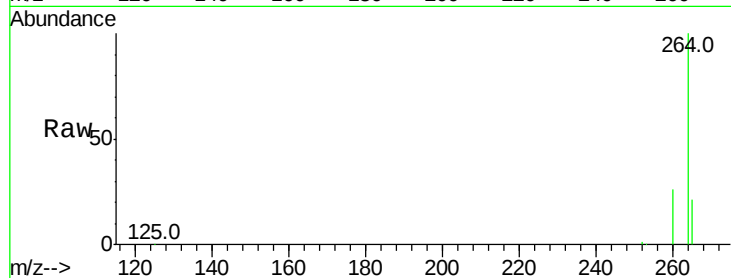




#31  
Pervlene-d12  
Concen: 5.00 ng  
RT: 24.11 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BE092335.D  
Acq: 1 Sep 2016 19:01

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS033-160829

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 20.1  | 30.1  |
| 265     | 21.3  | 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

