

Data File : BE092919.D  
Acq On : 27 Apr 2017 17:51  
Operator : SJ/MA  
Sample : I2837-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS034-170424

Quant Time: Apr 28 04:05:55 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 20 17:35:10 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 759      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 2964     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.39 | 164  | 1243     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 3367     | 0.40 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.28 | 240  | 3169     | 0.40 | ng    | 0.00     |
| 33) Perylene-d12          | 23.69 | 264  | 2571     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.35  | 112 | 252  | 0.15 | ng | 0.00 |
| 5) Phenol-d6                | 6.95  | 99  | 213  | 0.09 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 665  | 0.34 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 1758 | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.86 | 330 | 61   | 0.30 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.01 | 172 | 2829 | 0.50 | ng | 0.00 |
| 24) Fluoranthene-d10        | 19.15 | 212 | 3387 | 0.42 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.73 | 244 | 2757 | 0.50 | ng | 0.00 |

|                                |       |     |     |      |    |        |
|--------------------------------|-------|-----|-----|------|----|--------|
| Target Compounds               |       |     |     |      |    | Qvalue |
| 21) Pentachlorophenol          | 16.76 | 266 | 1   | 0.14 | ng | 95     |
| 31) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 108 | 0.06 | ng | # 49   |

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

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KY038PS034-170424

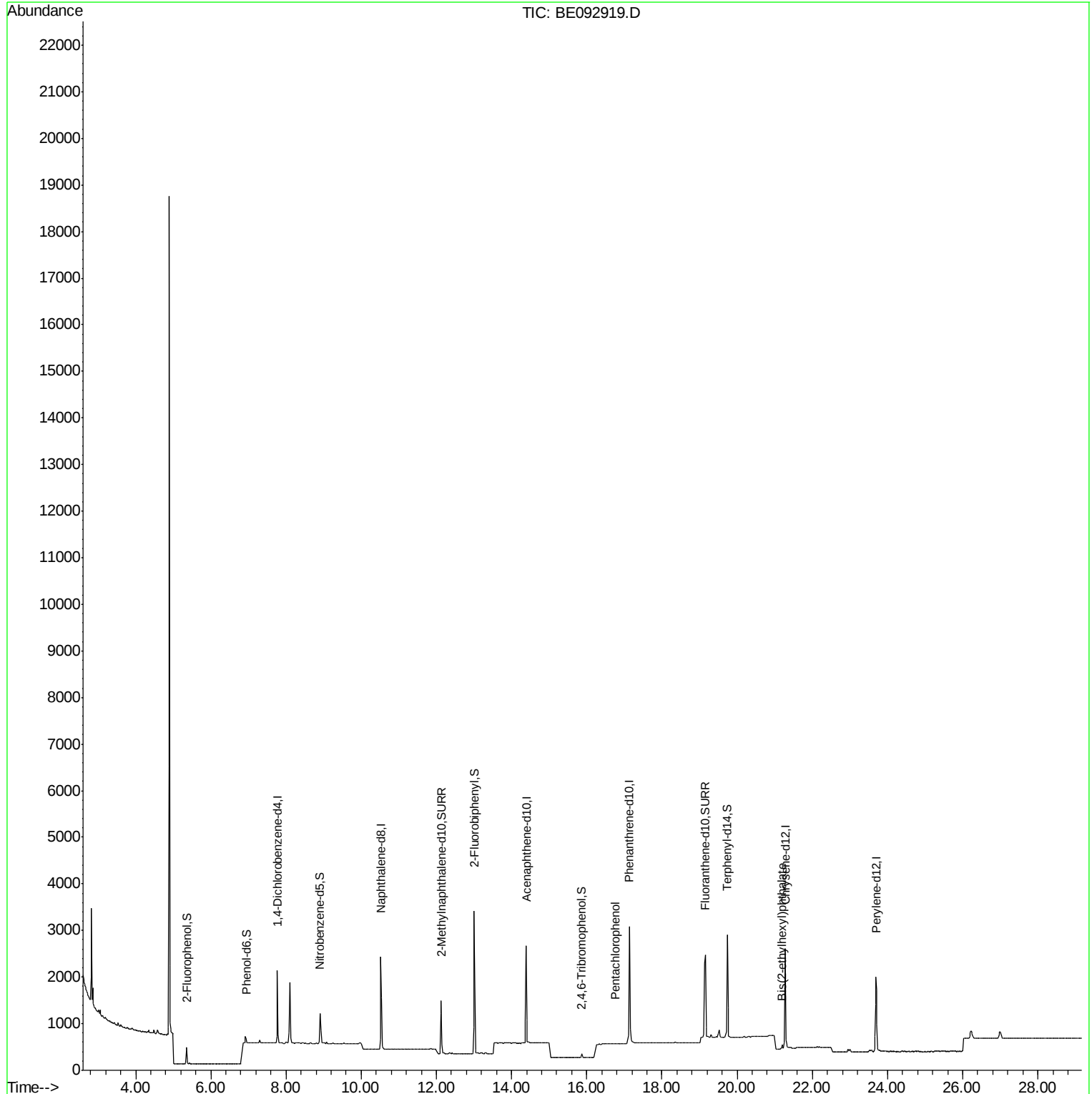
Quant Time: Apr 28 04:05:55 2017

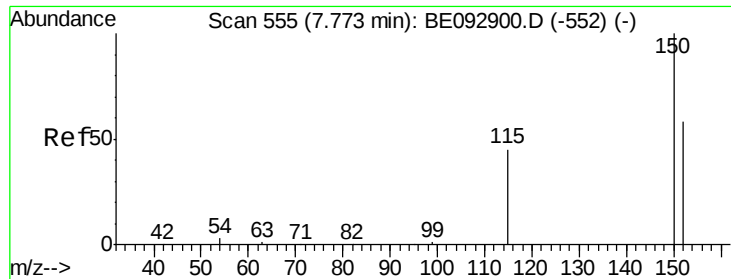
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Apr 20 17:35:10 2017

Response via : Initial Calibration



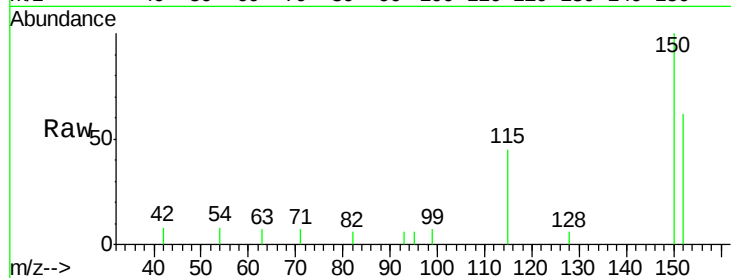


#1

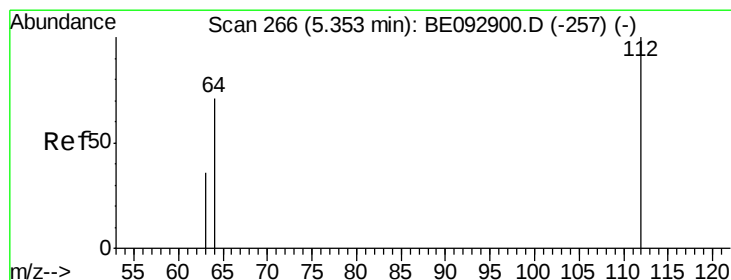
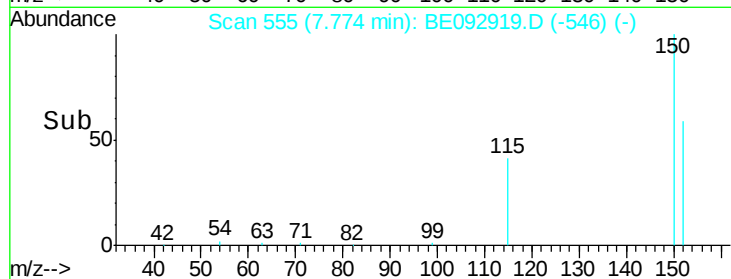
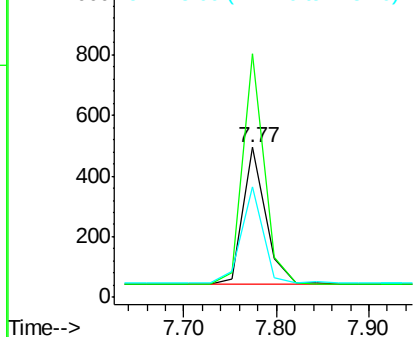
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.77 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BE092919.D  
Acq: 27 Apr 2017 17:51

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS034-170424

Tgt Ion:152 Resp: 759  
Ion Ratio Lower Upper  
152 100  
150 162.6 129.9 194.9  
115 73.5 62.6 93.8



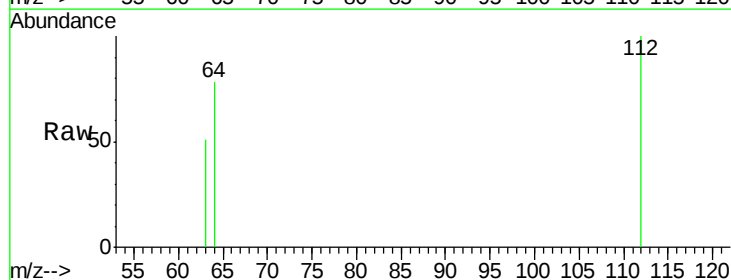
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



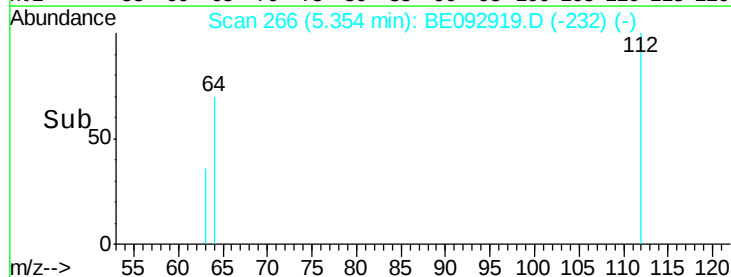
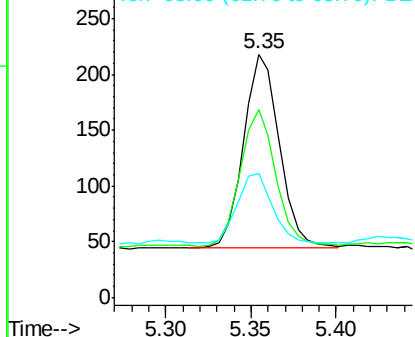
#4

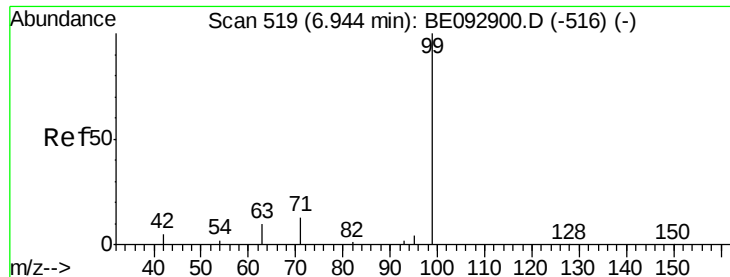
2-Fluorophenol  
Concen: 0.15 ng  
RT: 5.35 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: BE092919.D  
Acq: 27 Apr 2017 17:51

Tgt Ion:112 Resp: 252  
Ion Ratio Lower Upper  
112 100  
64 70.6 52.6 79.0  
63 36.9 29.0 43.4



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: 0.09 ng

RT: 6.95 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

KY038PS034-170424

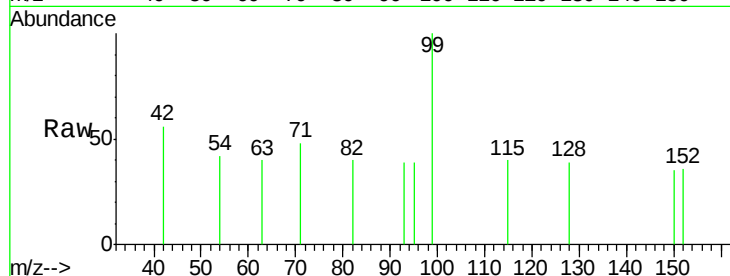
Tgt Ion: 99 Resp: 213

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

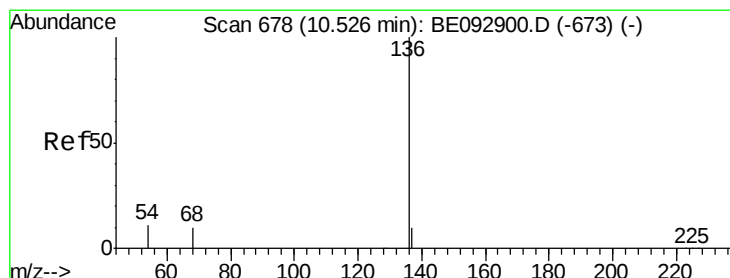
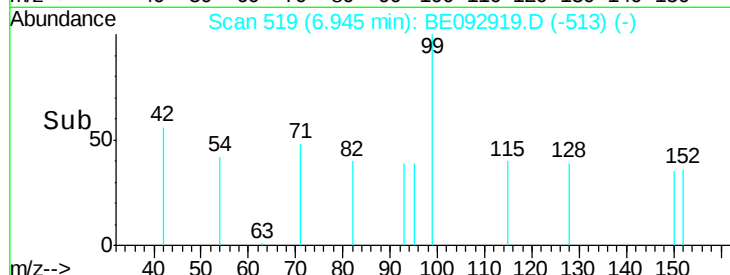
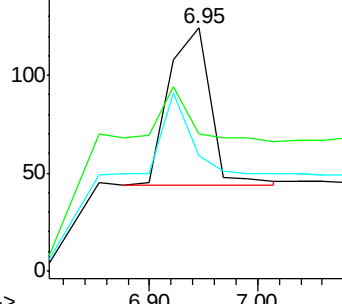
71 0.0 0.0 0.0



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

Tgt Ion: 136 Resp: 2964

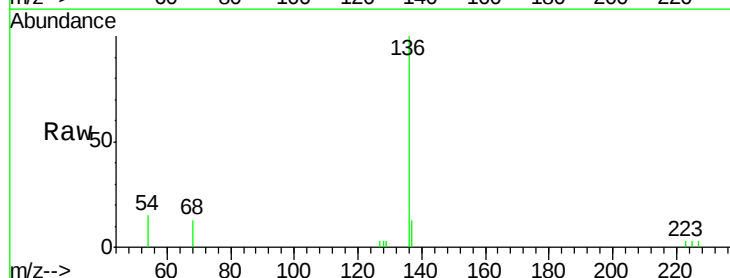
Ion Ratio Lower Upper

136 100

137 12.7 10.4 15.6

54 14.9 12.6 18.8

68 12.8 10.7 16.1

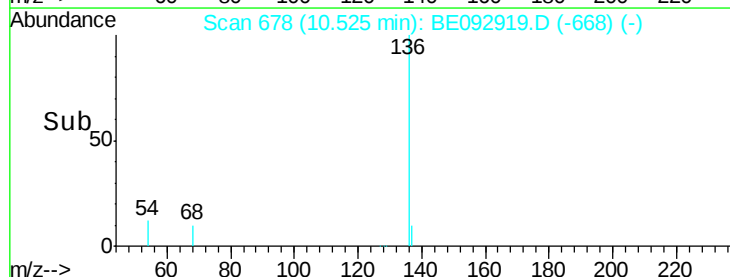
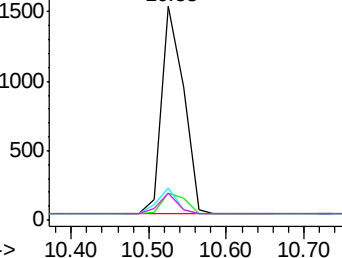


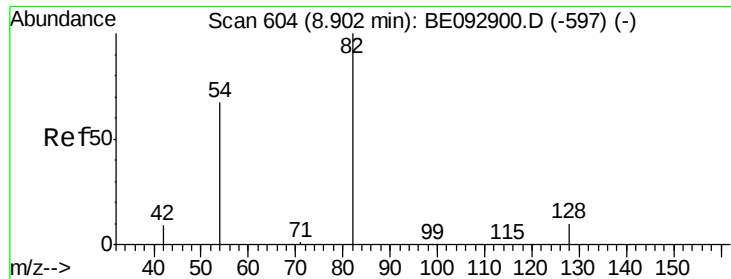
Abundance Ion 136.00 (135.70 to 136.70): E

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

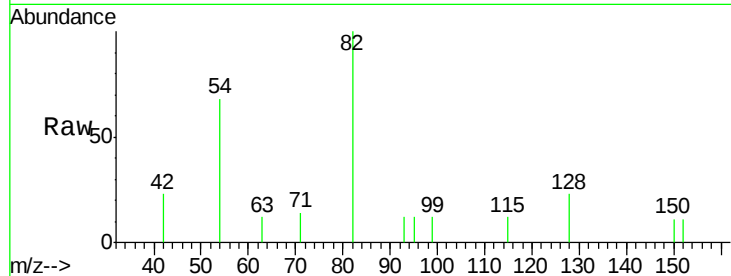




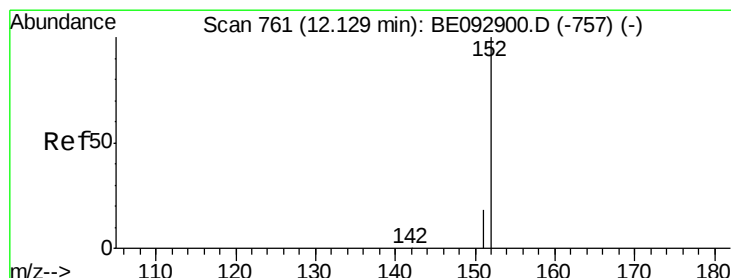
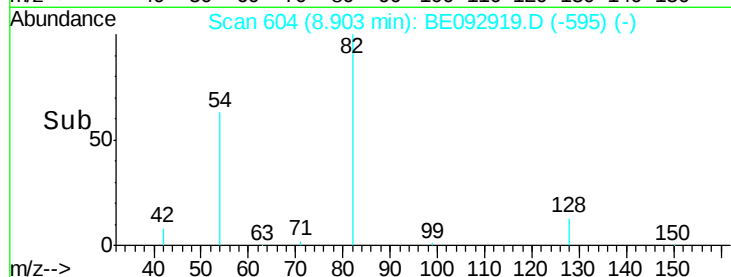
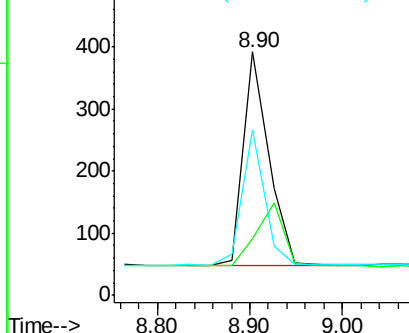
#8  
 Nitrobenzene-d5  
 Concen: 0.34 ng  
 RT: 8.90 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS034-170424

Tgt Ion: 82 Resp: 665  
 Ion Ratio Lower Upper  
 82 100  
 128 23.2 35.3 52.9#  
 54 68.1 65.1 97.7

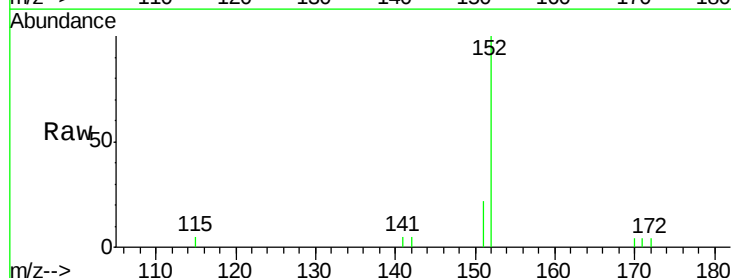


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): BE0  
 Ion 54.00 (53.70 to 54.70): BE0

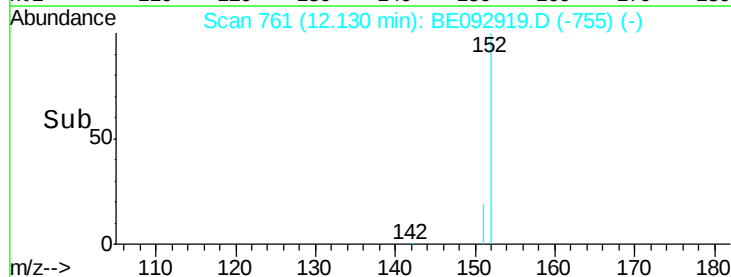
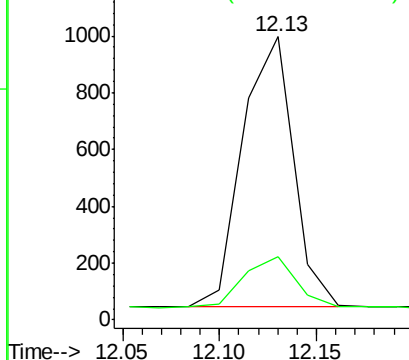


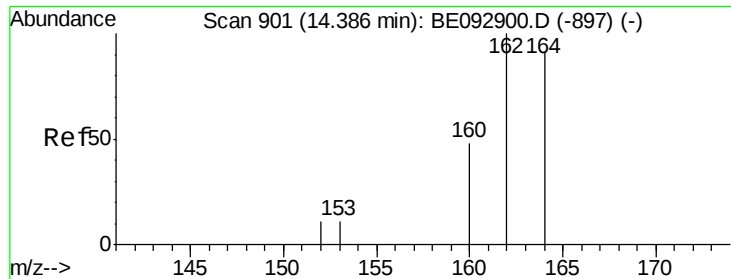
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.40 ng  
 RT: 12.13 min Scan# 761  
 Delta R.T. 0.00 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

Tgt Ion: 152 Resp: 1758  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

KY038PS034-170424

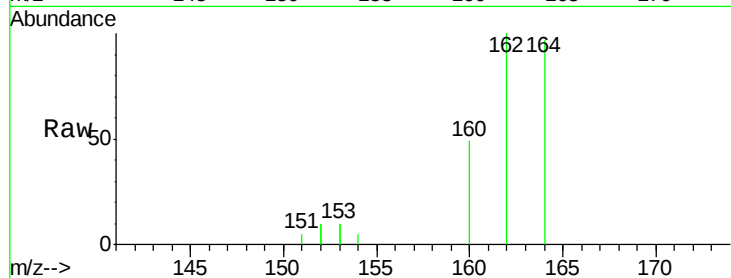
Tgt Ion:164 Resp: 1243

Ion Ratio Lower Upper

164 100

162 103.1 86.6 130.0

160 50.6 44.5 66.7



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

1200

1000

800

600

400

200

0

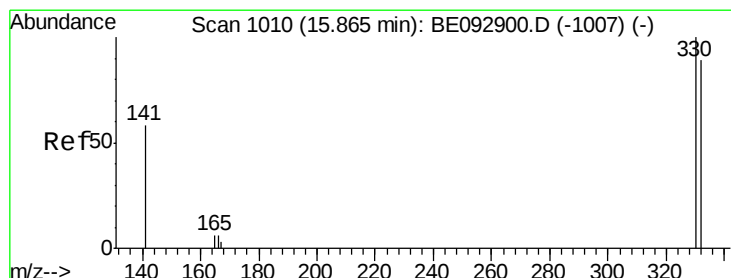
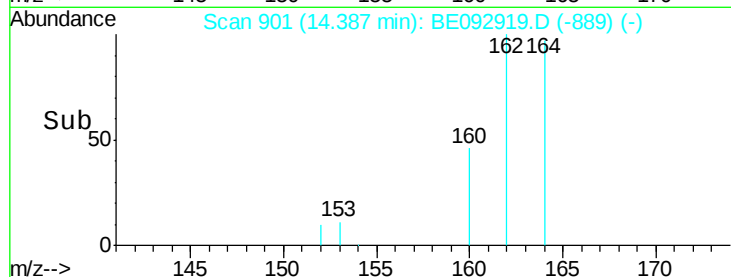
14.39

14.30

14.40

14.50

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.30 ng

RT: 15.86 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

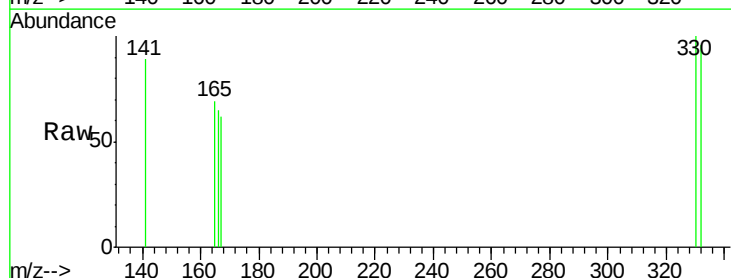
Tgt Ion:330 Resp: 61

Ion Ratio Lower Upper

330 100

332 106.6 69.1 103.7#

141 59.0 54.6 81.8



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

100

80

60

40

20

0

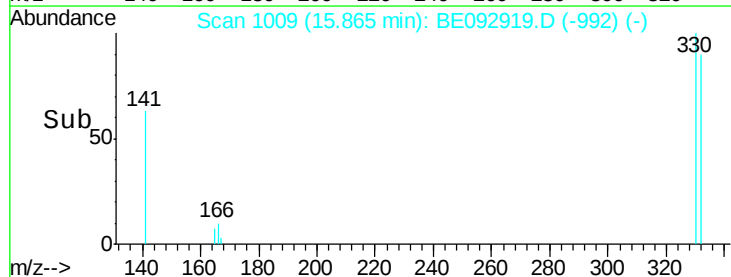
15.86

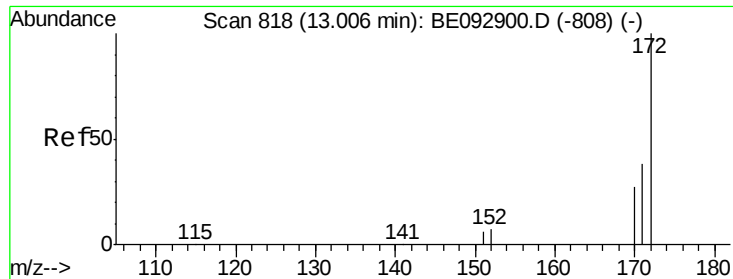
15.80

15.90

16.00

Time-->

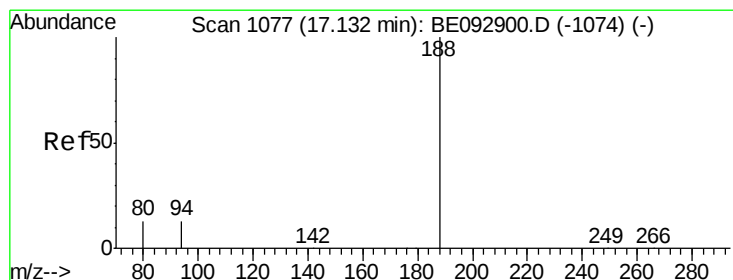
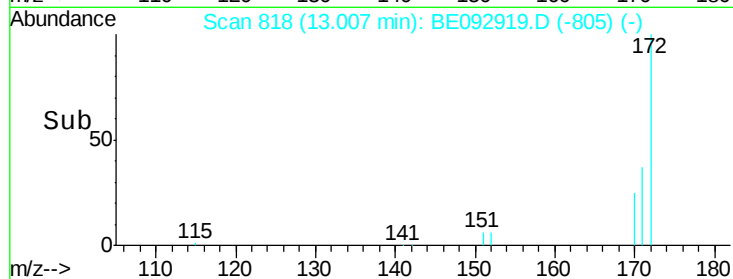
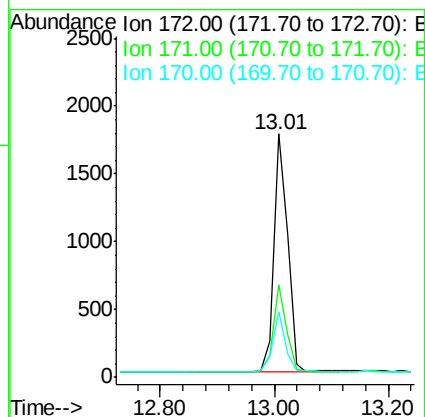
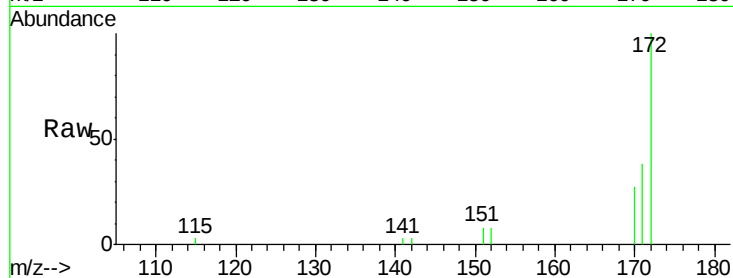




#15  
2-Fluorobiphenyl  
Concen: 0.50 ng  
RT: 13.01 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BE092919.D  
Acq: 27 Apr 2017 17:51

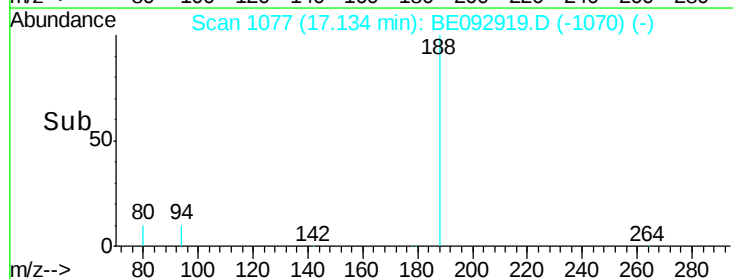
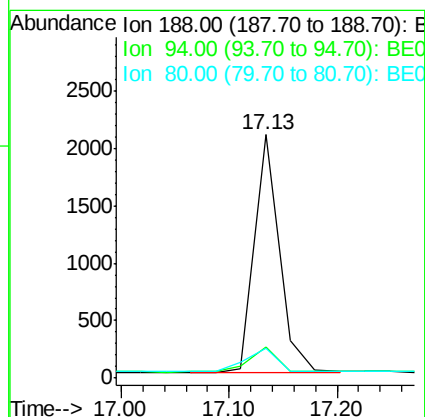
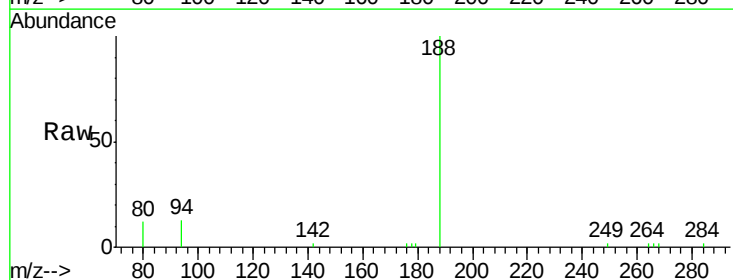
Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS034-170424

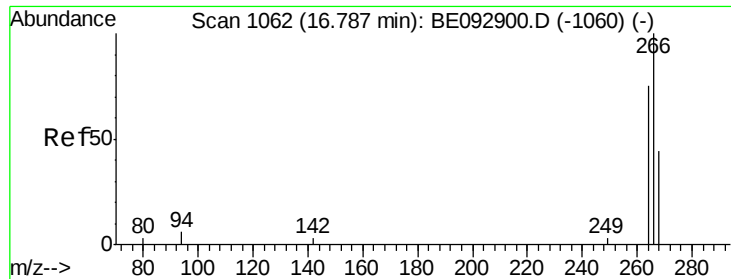
Tgt Ion:172 Resp: 2829  
Ion Ratio Lower Upper  
172 100  
171 38.2 35.8 53.6  
170 27.1 28.5 42.7#



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.13 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: BE092919.D  
Acq: 27 Apr 2017 17:51

Tgt Ion:188 Resp: 3367  
Ion Ratio Lower Upper  
188 100  
94 12.5 10.2 15.4  
80 12.4 10.6 15.8

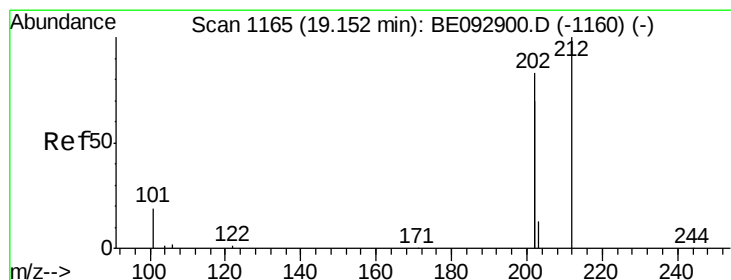
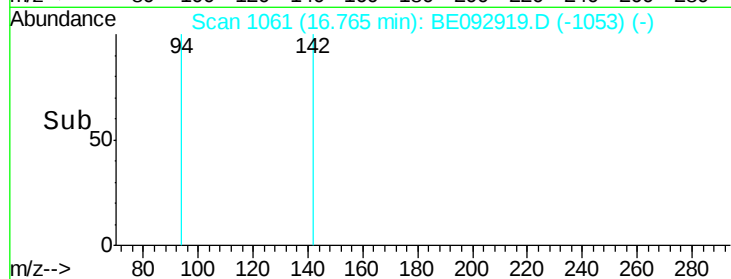
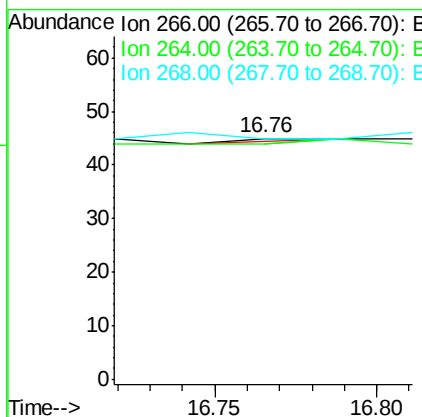
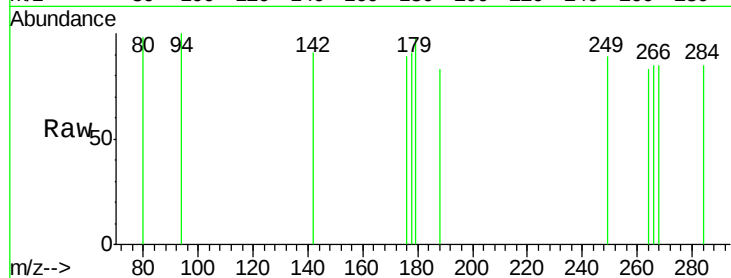




#21  
 Pentachlorophenol  
 Concen: 0.14 ng  
 RT: 16.76 min Scan# 1061  
 Delta R.T. -0.02 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

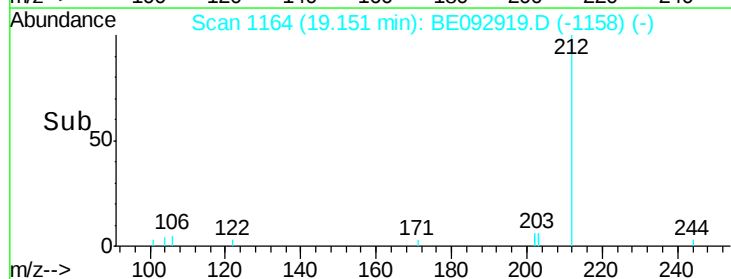
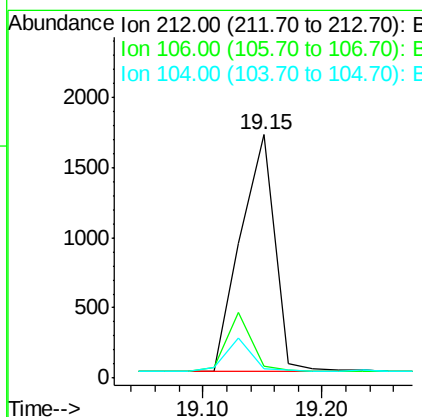
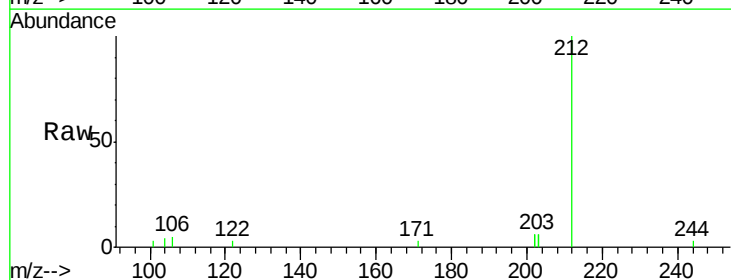
Instrument :  
 BNA\_E  
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 KY038PS034-170424

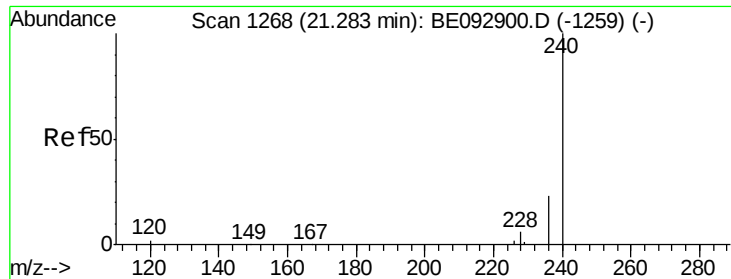
Tgt Ion: 266 Resp: 1  
 Ion Ratio Lower Upper  
 266 100  
 264 97.8 75.4 113.2  
 268 100.0 75.4 113.2



#24  
 Fluoranthene-d10  
 Concen: 0.42 ng  
 RT: 19.15 min Scan# 1164  
 Delta R.T. -0.00 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

Tgt Ion: 212 Resp: 3387  
 Ion Ratio Lower Upper  
 212 100  
 106 0.0 0.0 0.0  
 104 0.0 0.0 0.0





#26

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

Instrument :

BNA\_E

ClientSampleId :

KY038PS034-170424

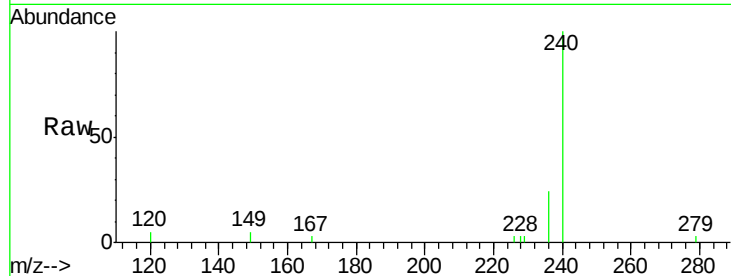
Tgt Ion:240 Resp: 3169

Ion Ratio Lower Upper

240 100

120 4.7 4.6 6.8

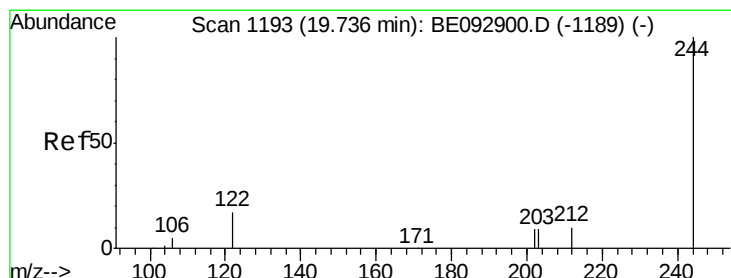
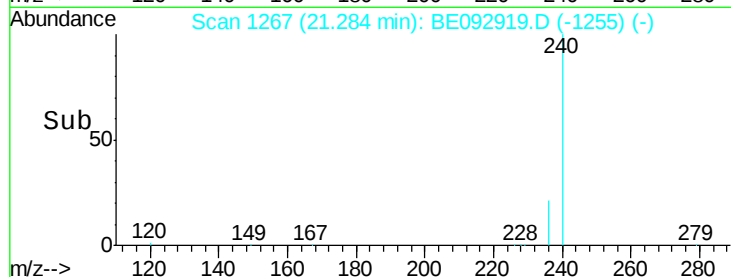
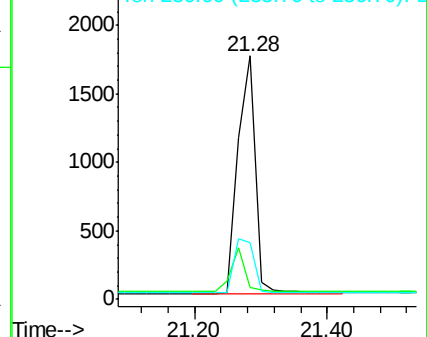
236 23.5 19.8 29.8



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



#28

Terphenyl-d14

Concen: 0.50 ng

RT: 19.73 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE092919.D

Acq: 27 Apr 2017 17:51

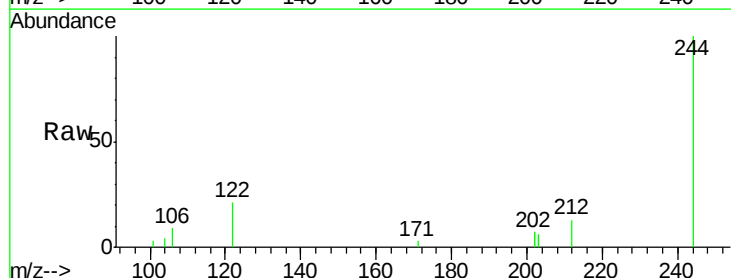
Tgt Ion:244 Resp: 2757

Ion Ratio Lower Upper

244 100

212 12.6 18.4 27.6#

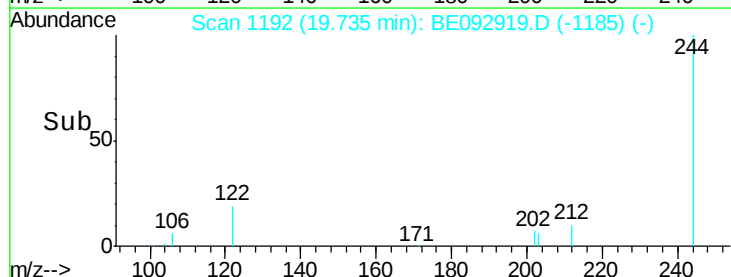
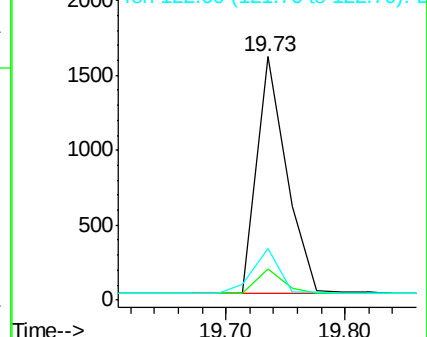
122 21.0 23.3 34.9#

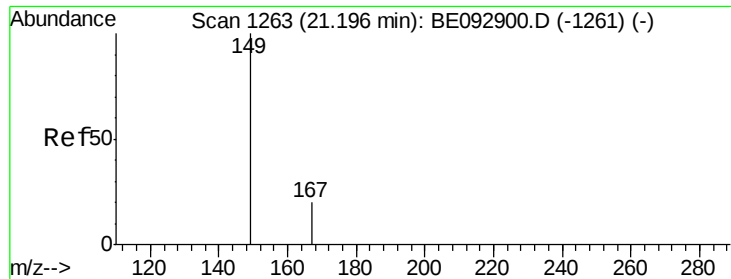


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

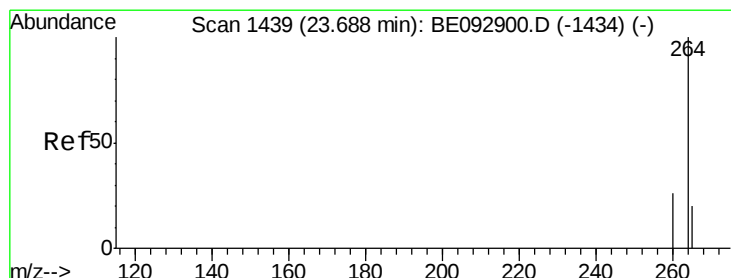
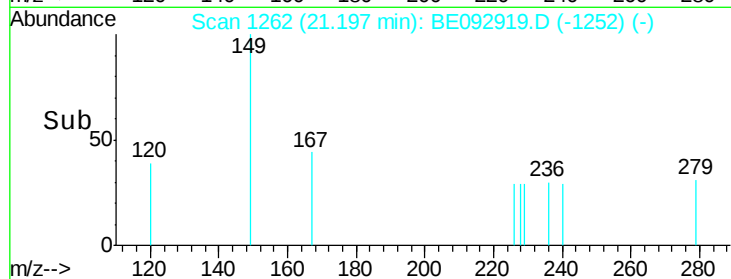
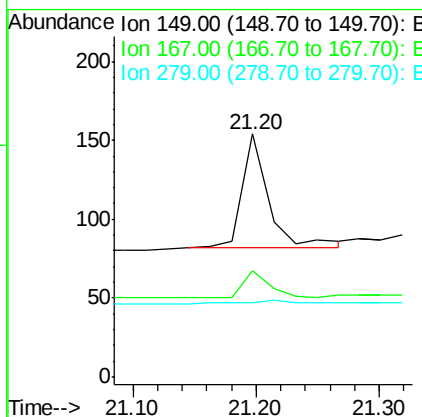
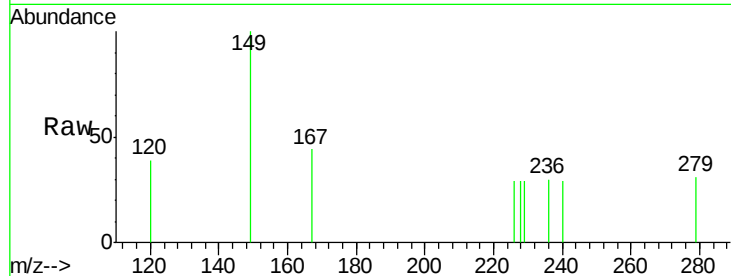




#31  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.06 ng  
 RT: 21.20 min Scan# 1262  
 Delta R.T. 0.00 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS034-170424

Tgt Ion:149 Resp: 108  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 20.9 31.3#  
 279 0.0 0.0 0.0



#33  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.69 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BE092919.D  
 Acq: 27 Apr 2017 17:51

Tgt Ion:264 Resp: 2571  
 Ion Ratio Lower Upper  
 264 100  
 260 28.6 23.5 35.3  
 265 31.9 27.2 40.8

