

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080217\  
 Data File : BE093635.D  
 Acq On : 2 Aug 2017 20:34  
 Operator : SJ/JU  
 Sample : PB100111BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 03 13:32:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 10:58:31 2017  
 Response via : Initial Calibration

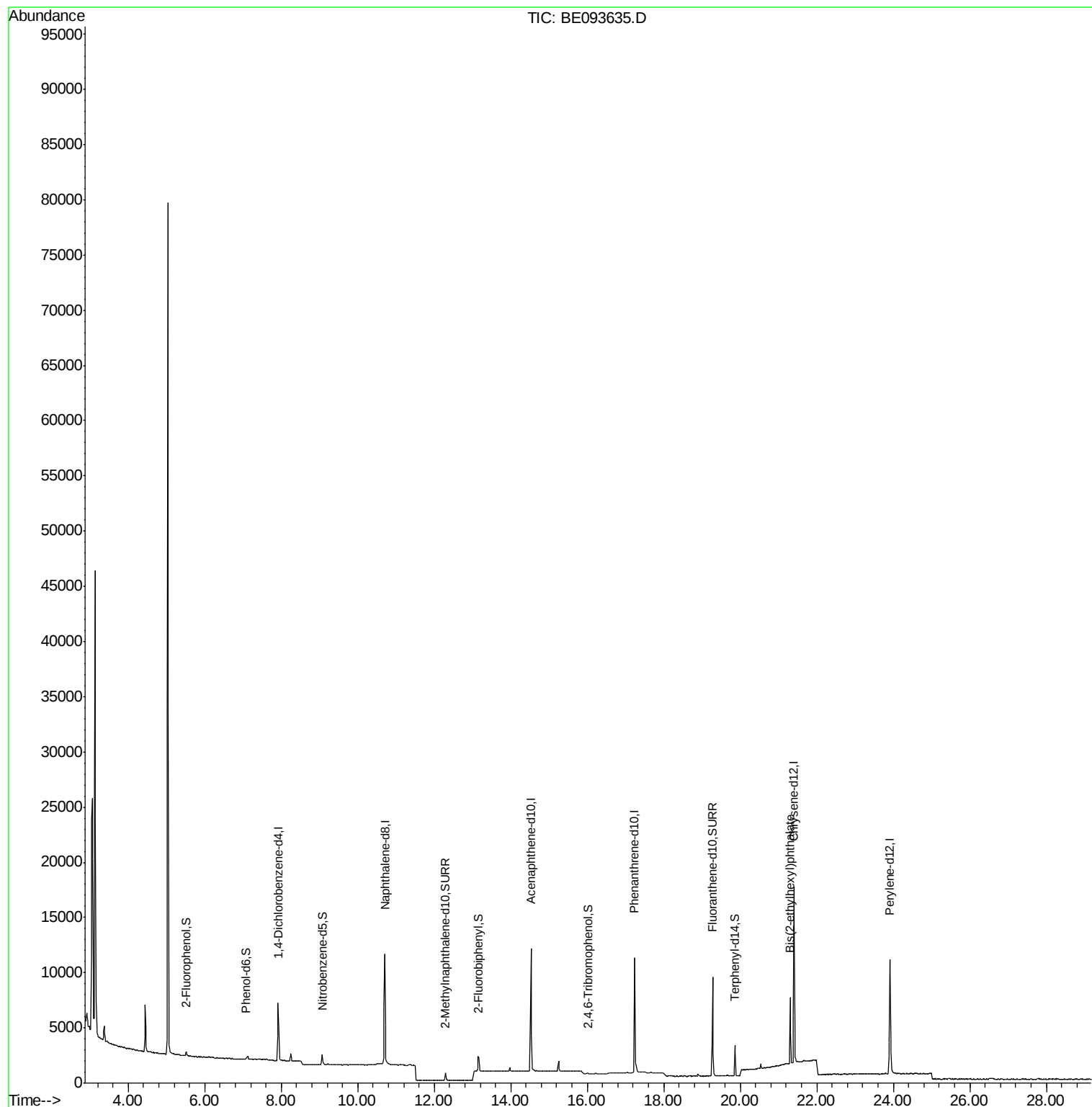
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 2560     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.71 | 136  | 11872    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.53 | 164  | 6760     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.24 | 188  | 17438    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 17743    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.91 | 264  | 15822    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.52  | 112  | 211      | 0.03  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.09  | 99   | 236      | 0.02  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.08  | 82   | 523      | 0.06  | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 1038     | 0.06  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 70       | 0.14  | ng    | 0.03     |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 1684     | 0.06  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.27 | 212  | 12100    | 0.06  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.86 | 244  | 2369     | 0.07  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 6464     | 0.091 | ng    | 98       |

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

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080217\  
Data File : BE093635.D  
Acq On : 2 Aug 2017 20:34  
Operator : SJ/JU  
Sample : PB100111BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Aug 03 13:32:07 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE080117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 10:58:31 2017  
Response via : Initial Calibration



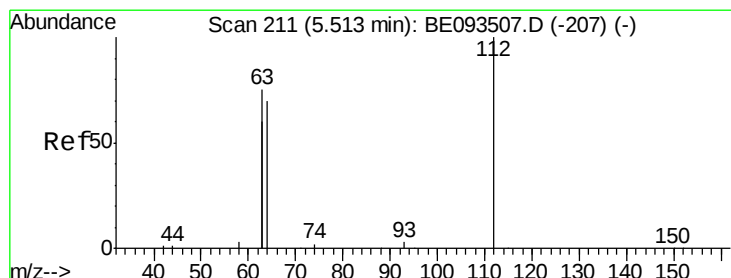
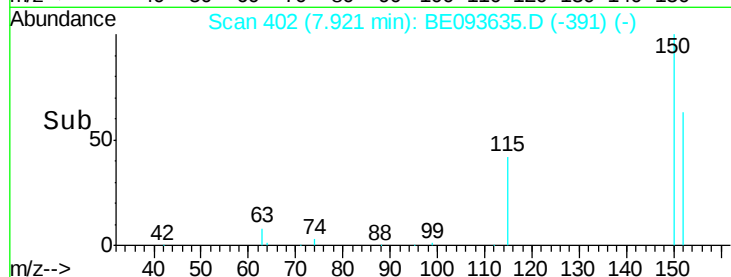
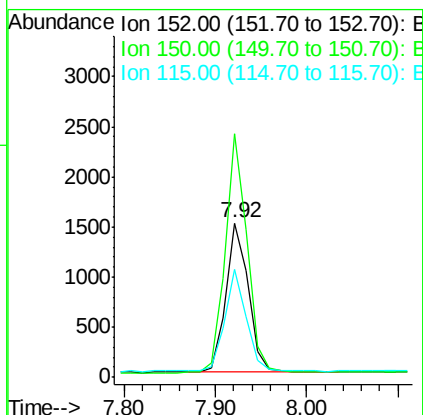
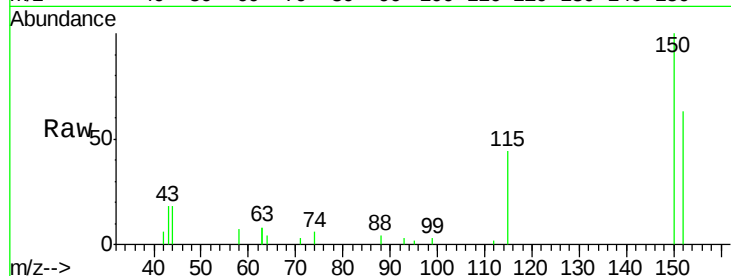


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. -0.01 min  
Lab File: BE093635.D  
Acq: 2 Aug 2017 20:34

Instrument :  
BNA\_E  
ClientSampleId :

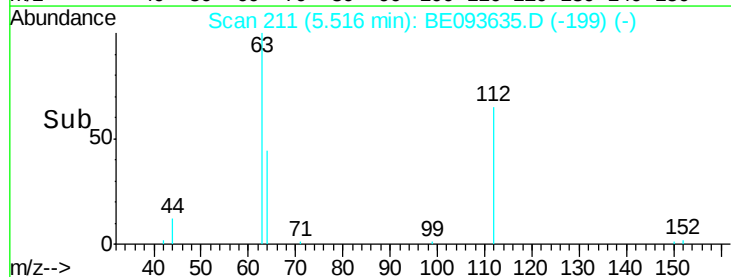
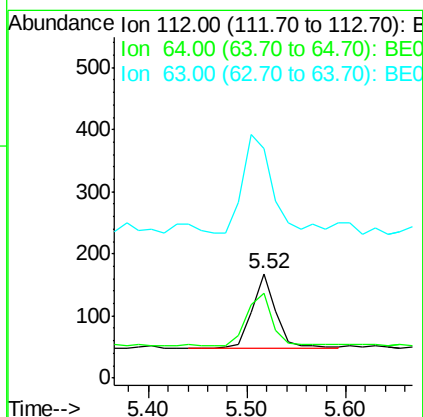
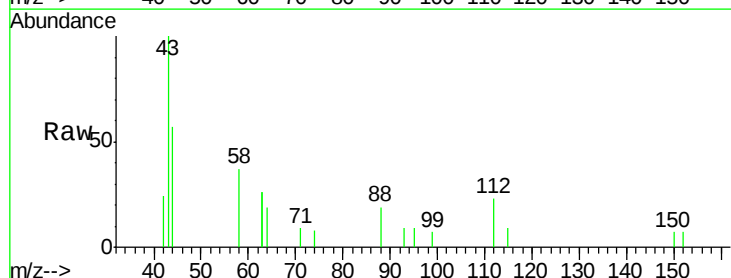
Tgt Ion:152 Resp: 2560  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.1 187.7  
115 69.8 55.7 83.5

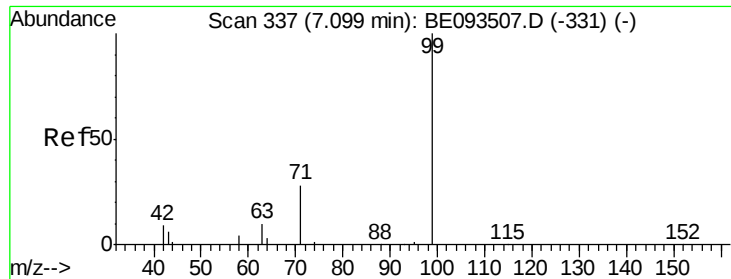


#4

2-Fluorophenol  
Concen: 0.028 ng  
RT: 5.52 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: BE093635.D  
Acq: 2 Aug 2017 20:34

Tgt Ion:112 Resp: 211  
Ion Ratio Lower Upper  
112 100  
64 69.2 56.4 84.6  
63 148.8 29.3 43.9#





#5

Phenol-d6

Concen: 0.021 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

Instrument :

BNA\_E

ClientSampleId :

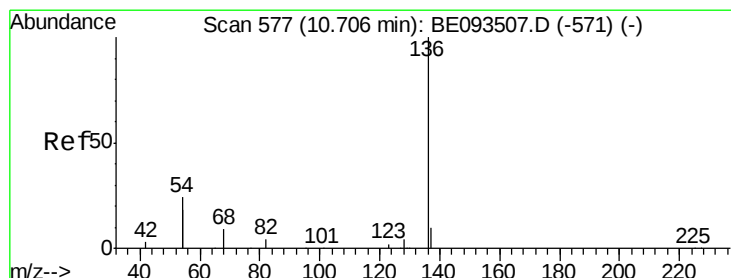
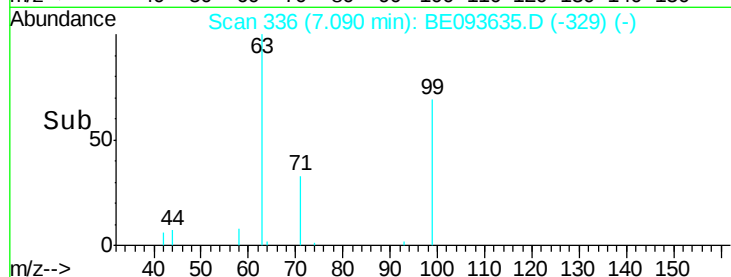
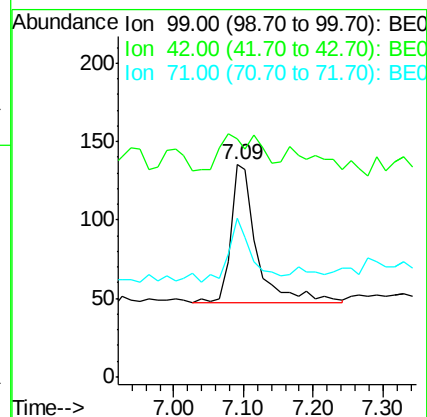
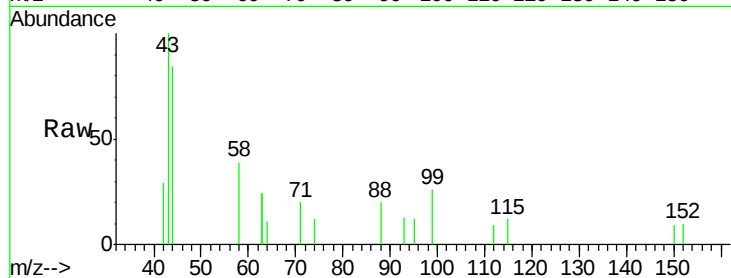
Tgt Ion: 99 Resp: 236

Ion Ratio Lower Upper

99 100

42 35.2 0.0 0.0#

71 41.1 0.0 0.0#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

Tgt Ion: 136 Resp: 11872

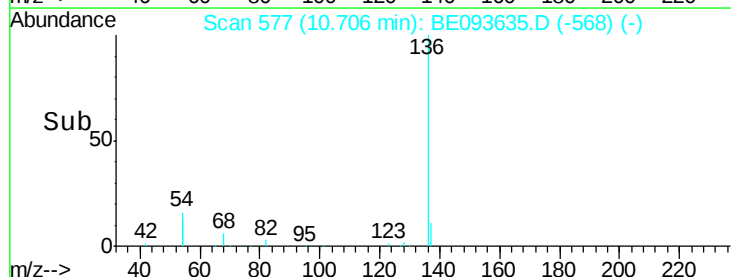
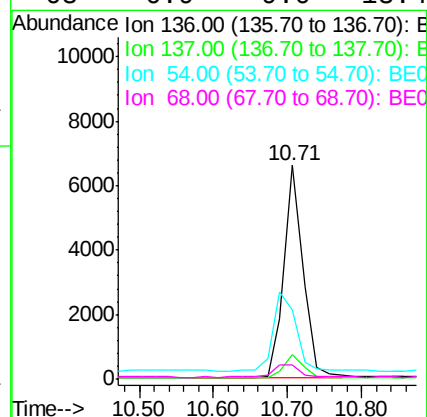
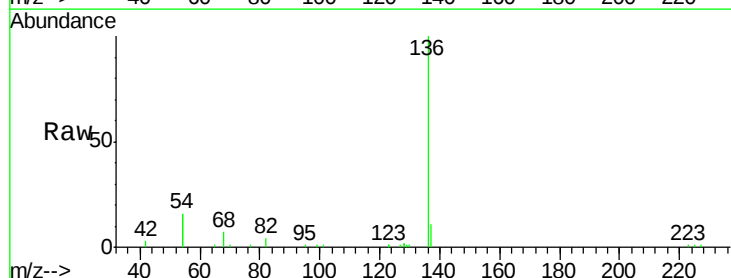
Ion Ratio Lower Upper

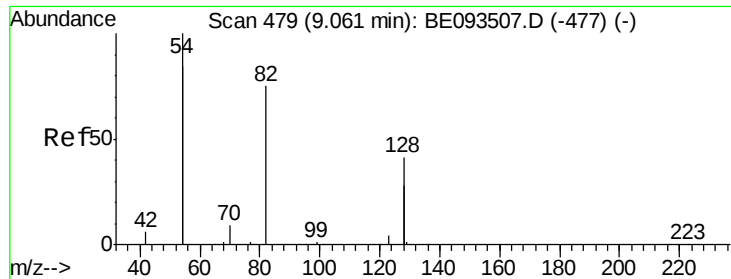
136 100

137 11.4 9.8 14.8

54 32.2 10.3 15.5#

68 6.9 9.0 13.4#

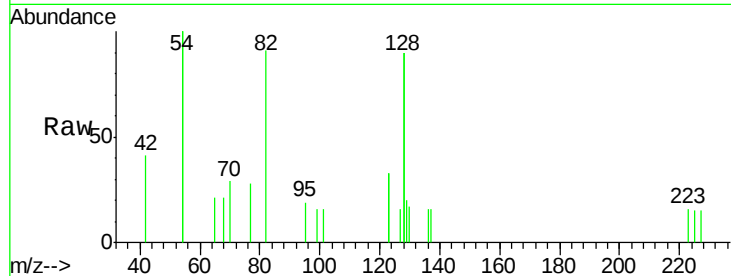




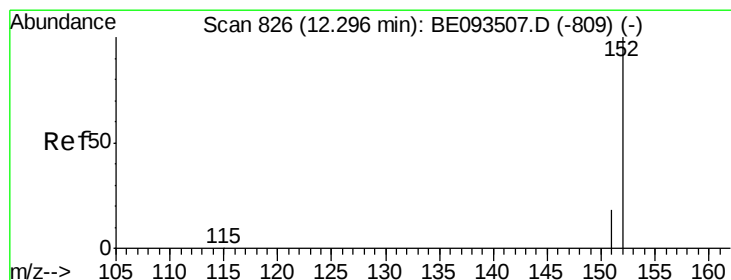
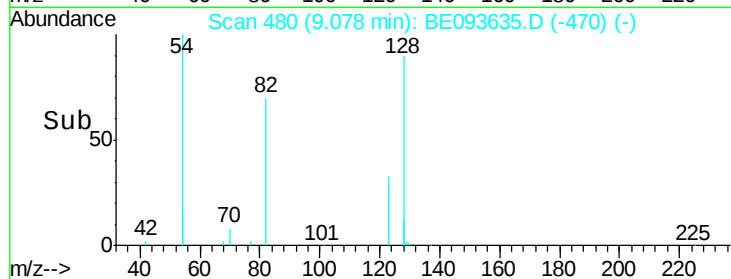
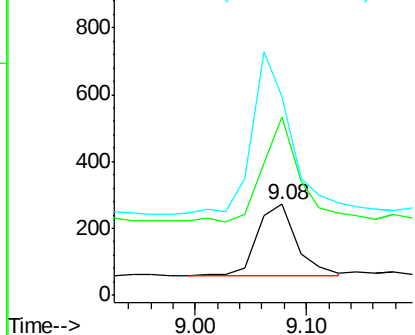
#8  
 Nitrobenzene-d5  
 Concen: 0.058 ng  
 RT: 9.08 min Scan# 480  
 Delta R.T. 0.02 min  
 Lab File: BE093635.D  
 Acq: 2 Aug 2017 20:34

Instrument :  
 BNA\_E  
 ClientSampled :

Tgt Ion: 82 Resp: 523  
 Ion Ratio Lower Upper  
 82 100  
 128 196.3 17.0 25.4#  
 54 219.1 53.8 80.6#

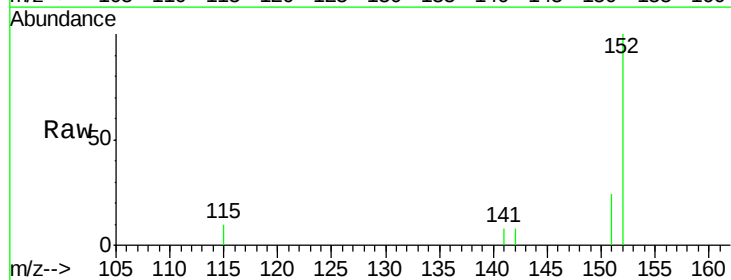


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): BE0  
 Ion 54.00 (53.70 to 54.70): BE0

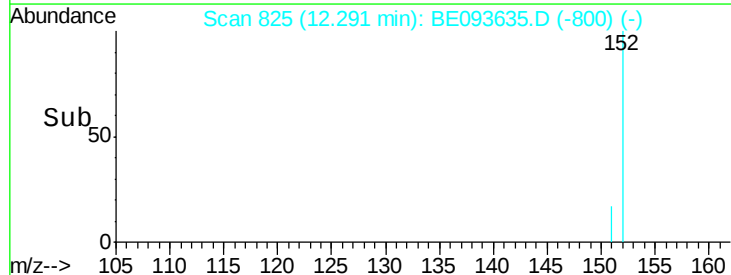
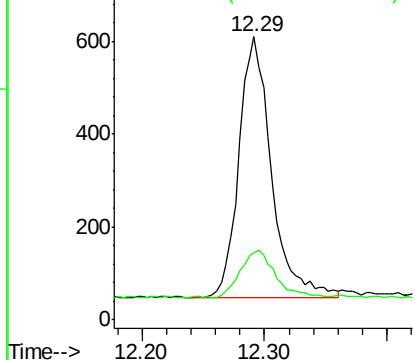


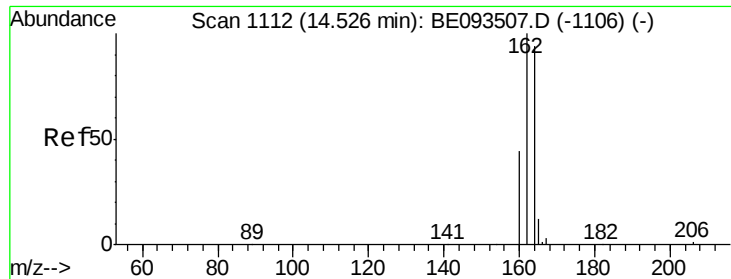
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.055 ng  
 RT: 12.29 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BE093635.D  
 Acq: 2 Aug 2017 20:34

Tgt Ion: 152 Resp: 1038  
 Ion Ratio Lower Upper  
 152 100  
 151 20.1 15.1 22.7



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

Instrument :

BNA\_E

ClientSampleId :

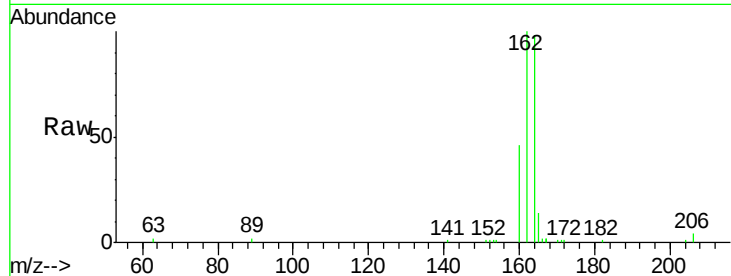
Tgt Ion:164 Resp: 6760

Ion Ratio Lower Upper

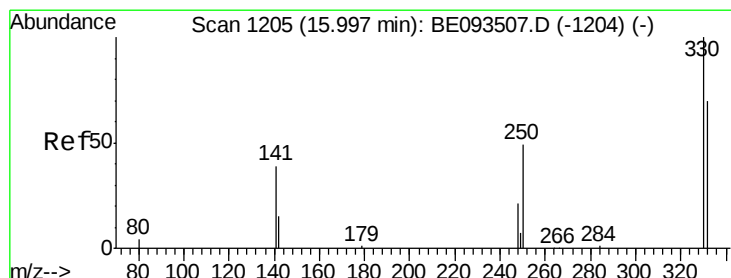
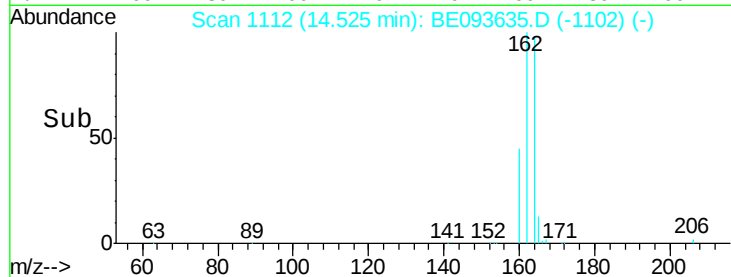
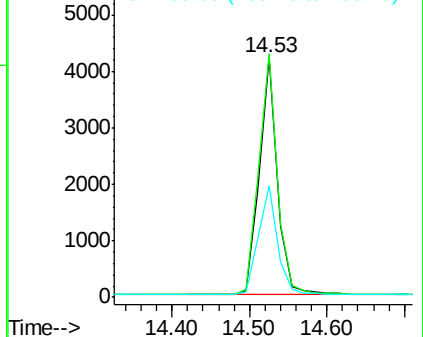
164 100

162 101.6 84.6 127.0

160 46.6 41.8 62.6



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



#14

2,4,6-Tribromophenol

Concen: 0.143 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.03 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

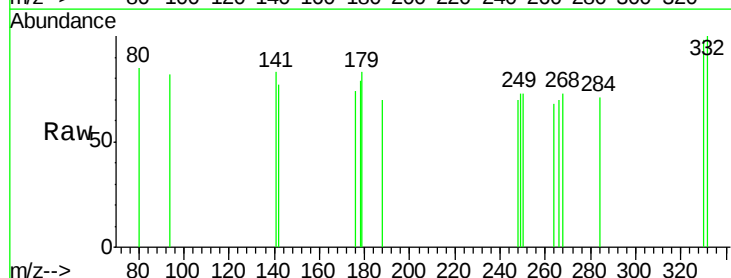
Tgt Ion:330 Resp: 70

Ion Ratio Lower Upper

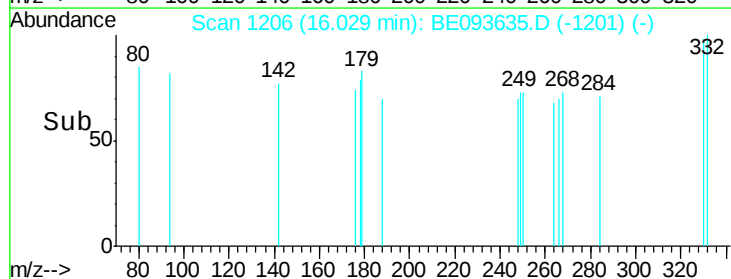
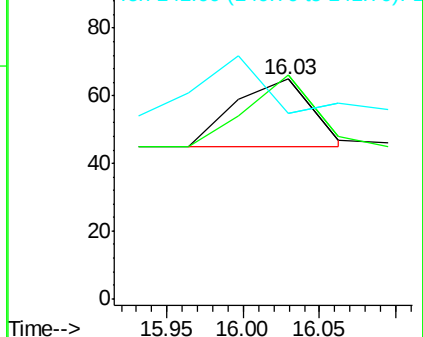
330 100

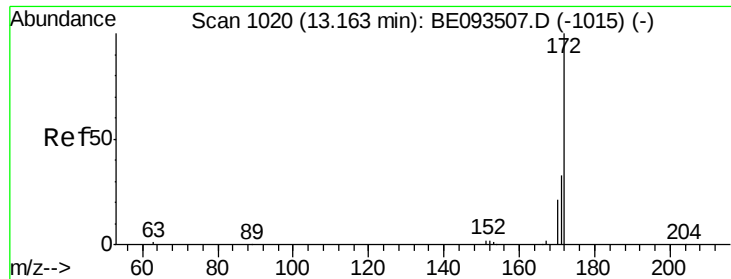
332 92.9 77.7 116.5

141 0.0 56.2 84.4#



Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

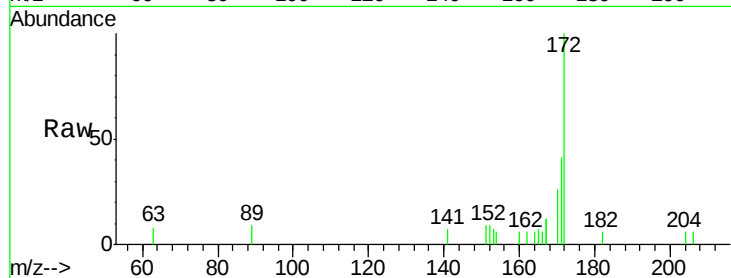




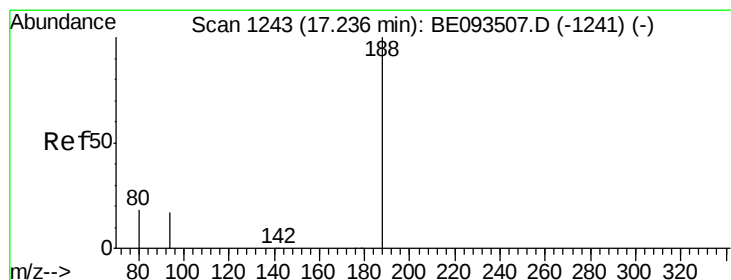
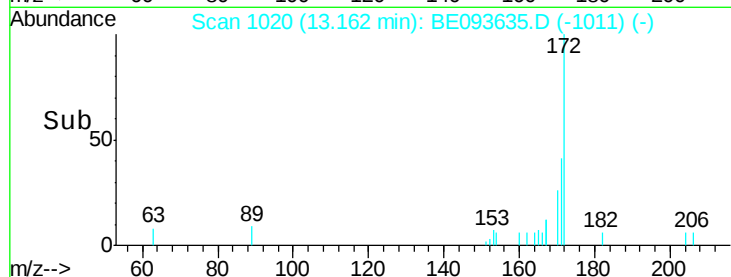
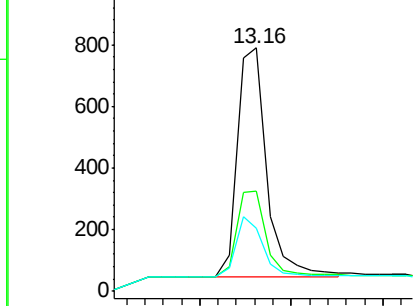
#15  
2-Fluorobiphenyl  
Concen: 0.062 ng  
RT: 13.16 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BE093635.D  
Acq: 2 Aug 2017 20:34

Instrument :  
BNA\_E  
ClientSampleId :

Tgt Ion:172 Resp: 1684  
Ion Ratio Lower Upper  
172 100  
171 41.3 29.8 44.6  
170 25.7 20.7 31.1

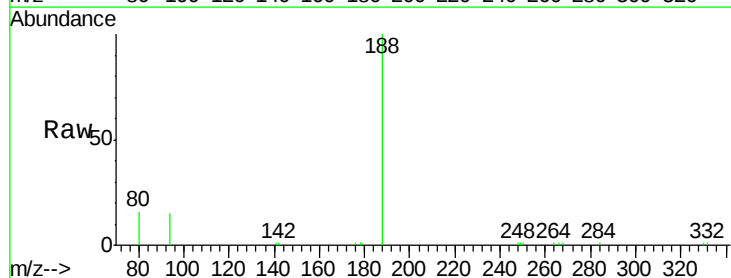


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

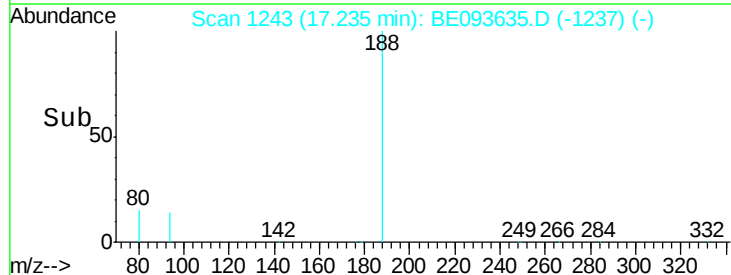
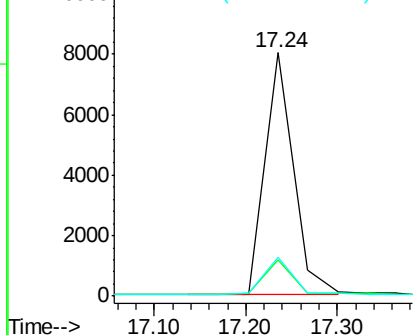


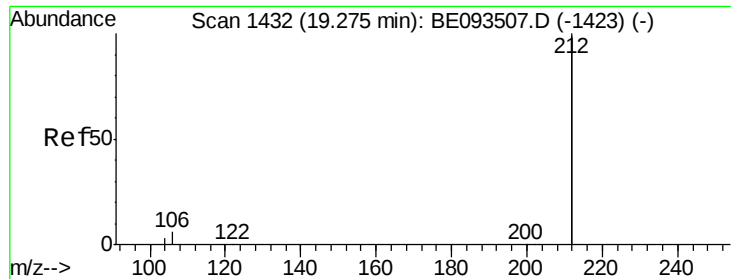
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.24 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BE093635.D  
Acq: 2 Aug 2017 20:34

Tgt Ion:188 Resp: 17438  
Ion Ratio Lower Upper  
188 100  
94 15.0 11.3 16.9  
80 16.1 11.7 17.5



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





#25

Fluoranthene-d10

Concen: 0.061 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

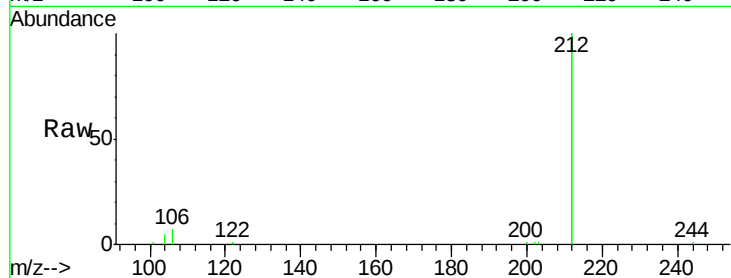
Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

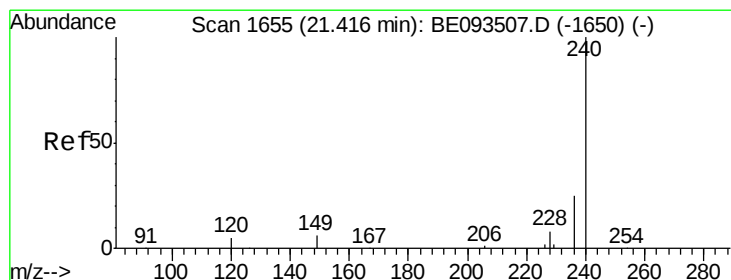
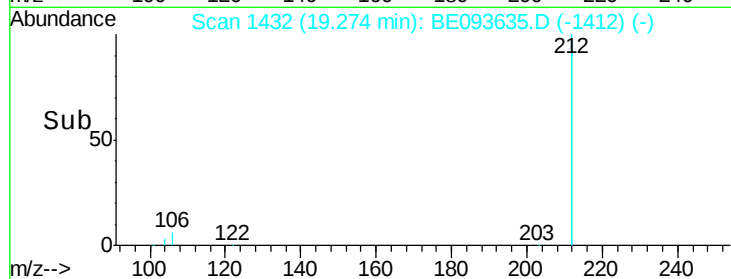
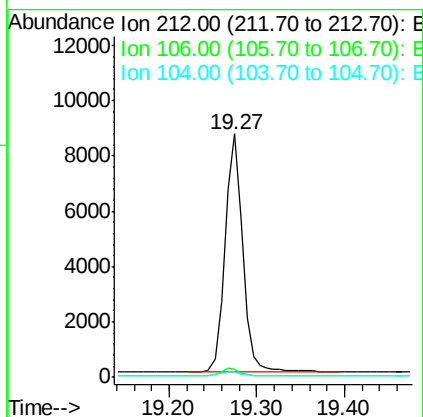
Instrument :

BNA\_E

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 12100 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 3.5   | 2.4   | 3.6   |
| 104      | 2.1   | 1.6   | 2.4   |



#27

Chrysene-d12

Concen: 0.400 ng

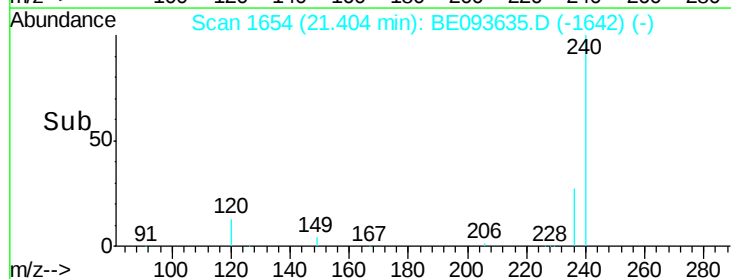
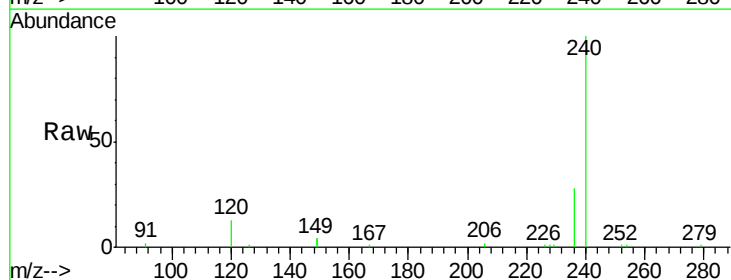
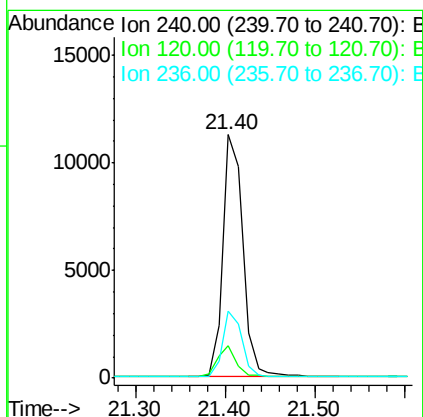
RT: 21.40 min Scan# 1654

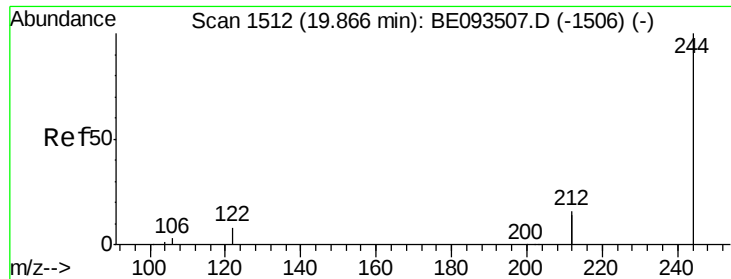
Delta R.T. -0.01 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 17743 |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 13.4  | 4.6   | 7.0#  |
| 236      | 27.5  | 20.8  | 31.2  |

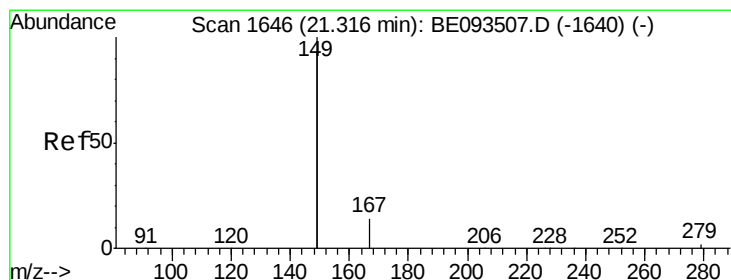
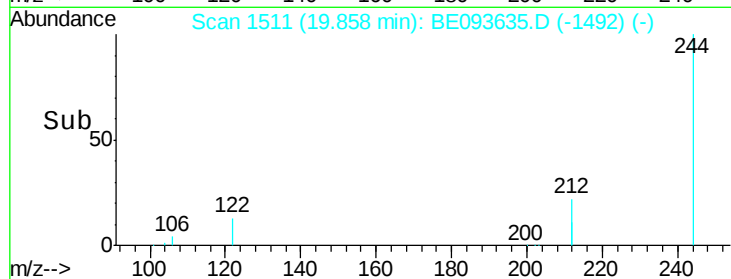
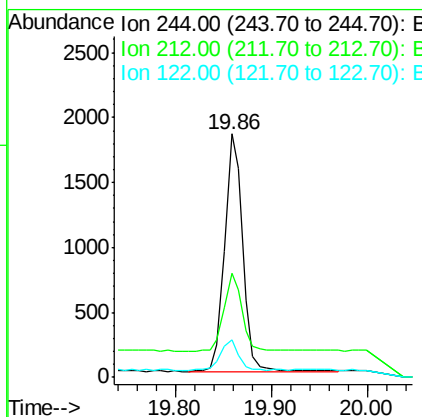
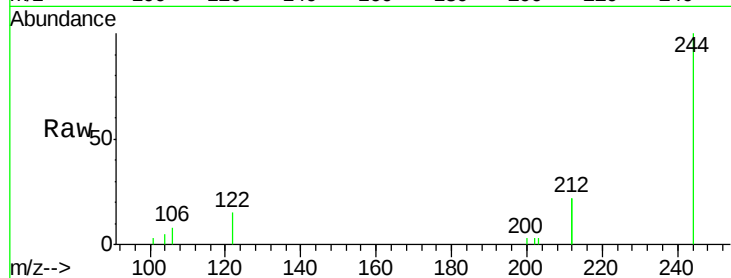




#29  
 Terphenyl-d14  
 Concen: 0.074 ng  
 RT: 19.86 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BE093635.D  
 Acq: 2 Aug 2017 20:34

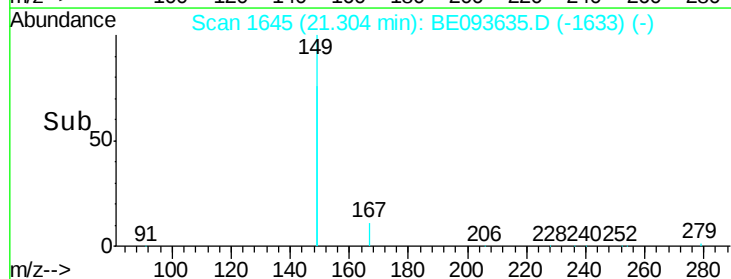
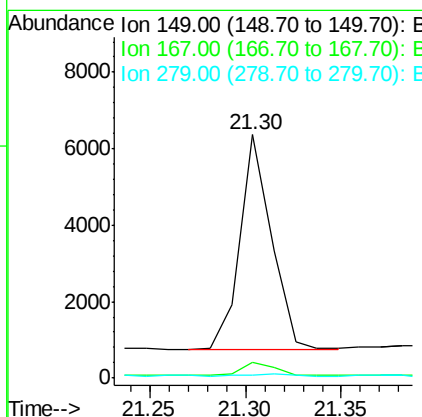
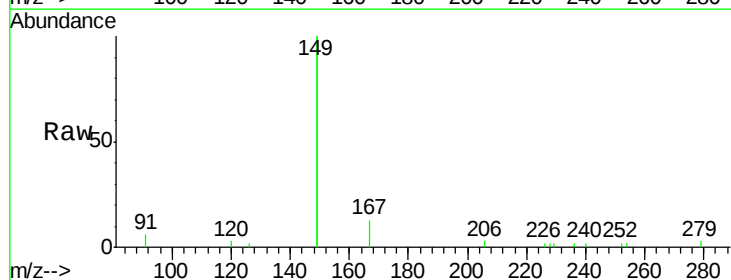
Instrument :  
 BNA\_E  
 ClientSampleId :

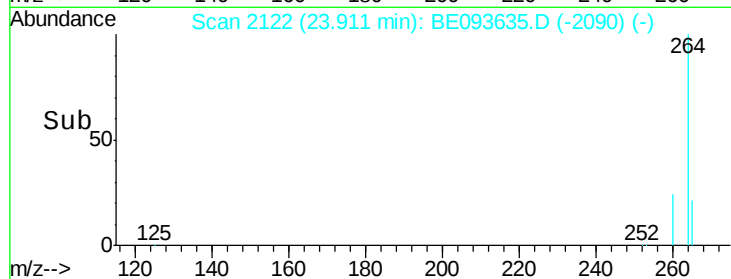
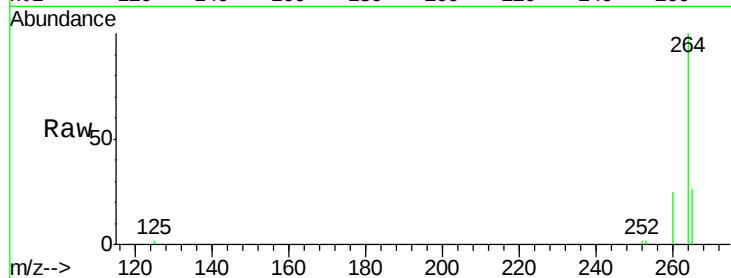
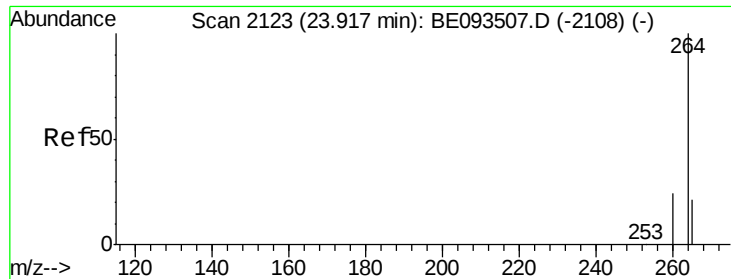
Tgt Ion:244 Resp: 2369  
 Ion Ratio Lower Upper  
 244 100  
 212 43.0 10.6 16.0#  
 122 15.5 15.4 23.0



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.091 ng  
 RT: 21.30 min Scan# 1645  
 Delta R.T. -0.01 min  
 Lab File: BE093635.D  
 Acq: 2 Aug 2017 20:34

Tgt Ion:149 Resp: 6464  
 Ion Ratio Lower Upper  
 149 100  
 167 6.7 4.8 7.2  
 279 1.0 0.8 1.2





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE093635.D

Acq: 2 Aug 2017 20:34

Instrument :

BNA\_E

ClientSampleId :

Tgt Ion:264 Resp: 15822

Ion Ratio Lower Upper

264 100

260 24.7 21.0 31.4

265 25.8 24.6 36.8

