

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\  
 Data File : BE099831.D  
 Acq On : 6 Jun 2019 20:50  
 Operator : JU/SJ  
 Sample : K3190-12  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW307D-20190604

Quant Time: Jun 07 04:49:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 05 14:35:58 2019  
 Response via : Initial Calibration

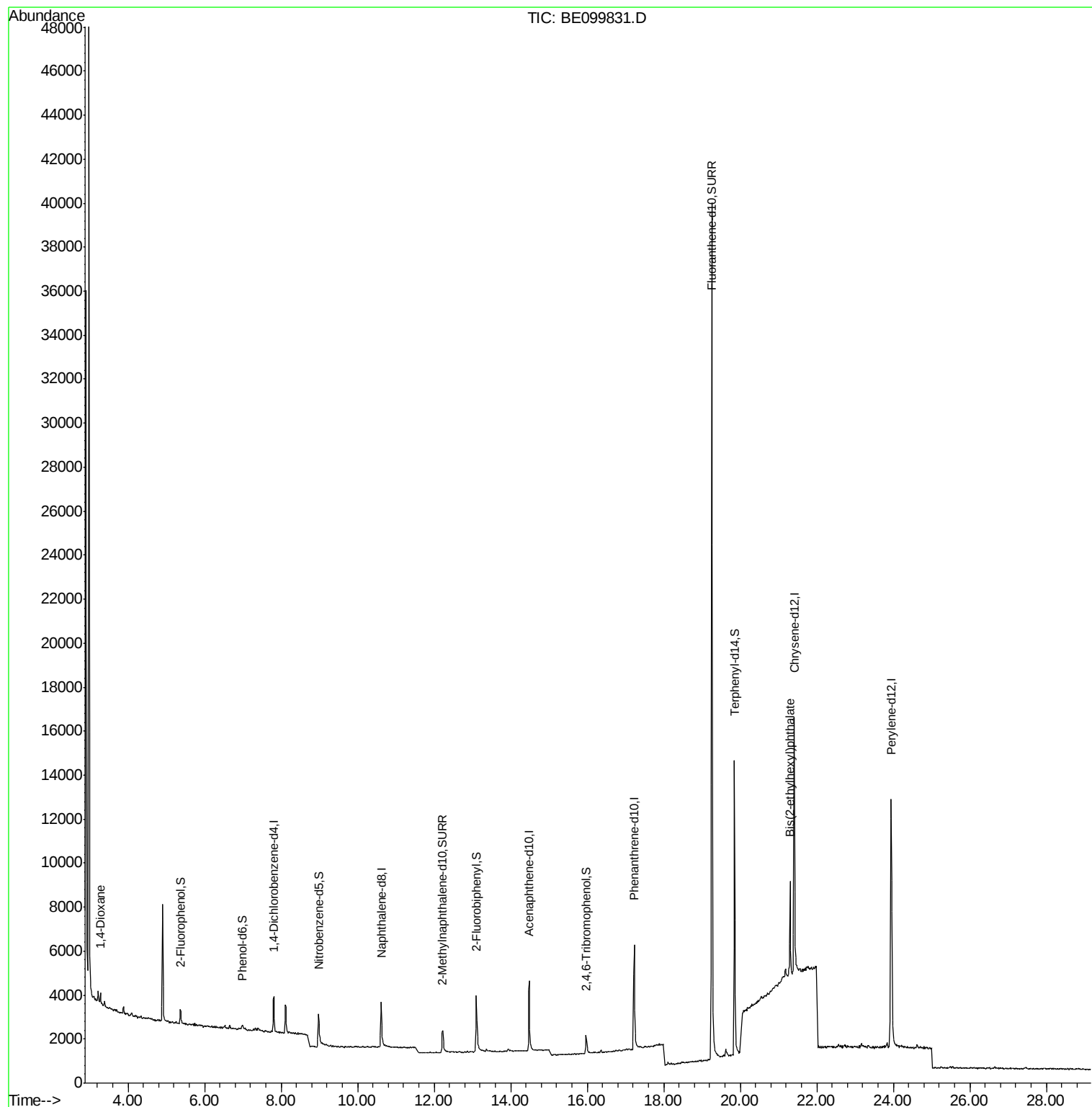
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 1023     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.61 | 136  | 3499     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.49 | 164  | 2661     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 17.23 | 188  | 9428     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.41 | 240  | 16528    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.94 | 264  | 19557    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.37  | 112  | 462      | 0.19  | ng    | 0.01     |
| 5) Phenol-d6                   | 6.98  | 99   | 328      | 0.10  | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 1173     | 0.38  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 2198     | 0.37  | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 777      | 0.51  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 3705     | 0.37  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.25 | 212  | 59068    | 0.42  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.85 | 244  | 14292    | 0.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.28  | 88   | 424      | 0.286 | ng    | # 86     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 5351     | 0.102 | ng    | # 98     |

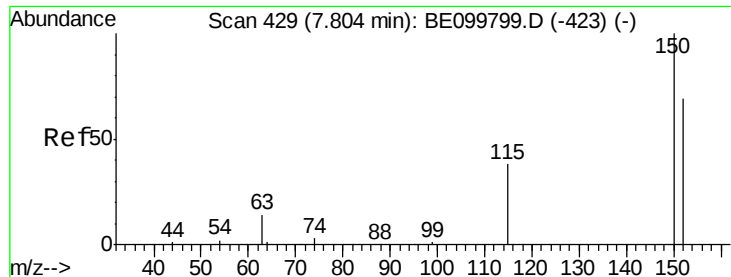
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



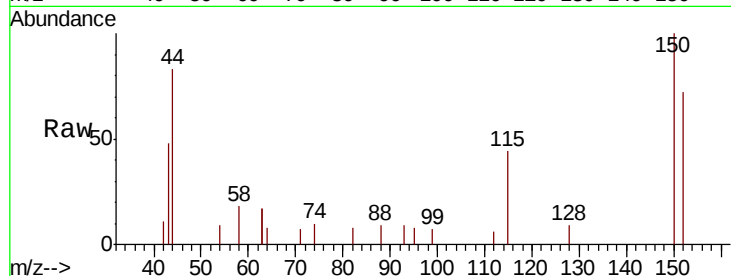


#1

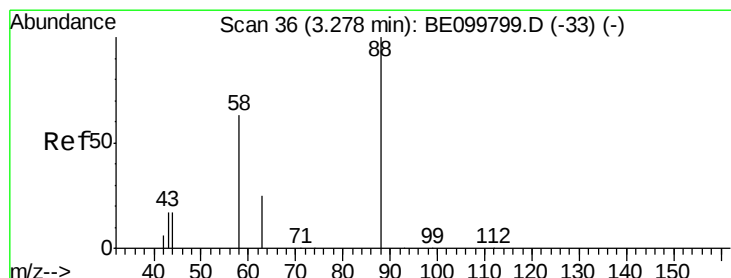
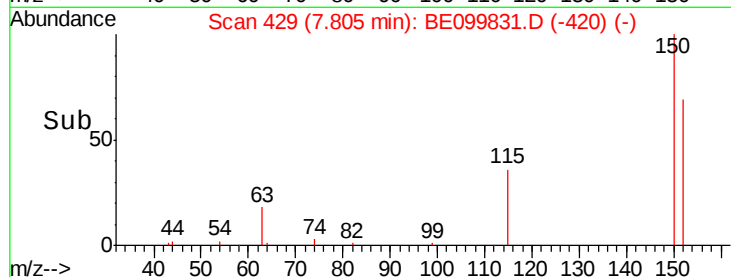
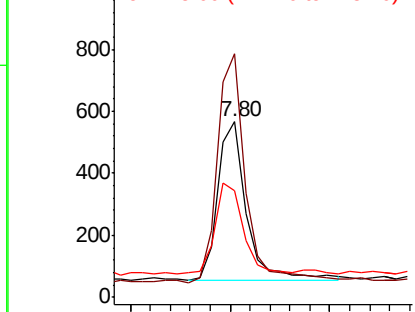
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW307D-20190604

Tot Ion:152 Resp: 1023  
Ion Ratio Lower Upper  
152 100  
150 139.1 112.8 169.2  
115 60.7 47.6 71.4



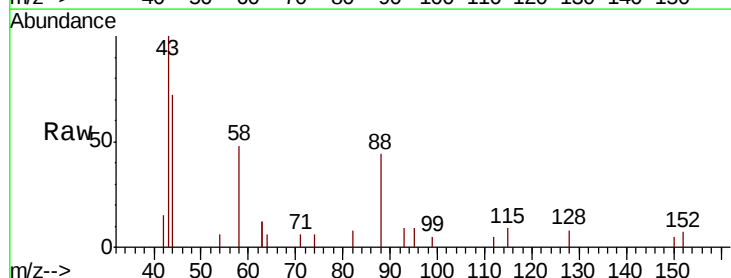
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



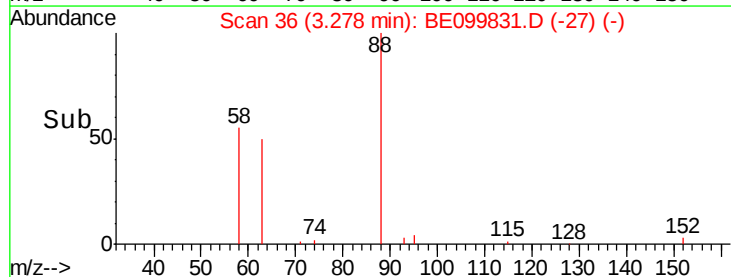
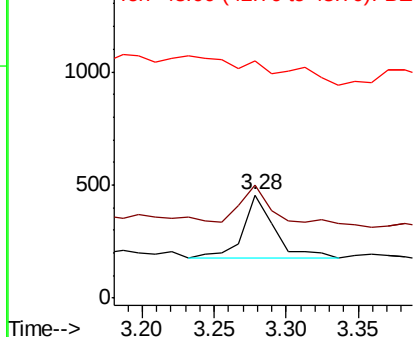
#2

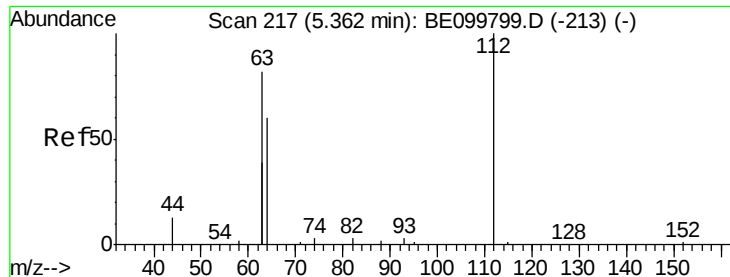
1,4-Dioxane  
Concen: 0.286 ng  
RT: 3.28 min Scan# 36  
Delta R.T. 0.00 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Tgt Ion: 88 Resp: 424  
Ion Ratio Lower Upper  
88 100  
58 58.3 47.3 70.9  
43 0.0 18.2 27.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.186 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW307D-20190604

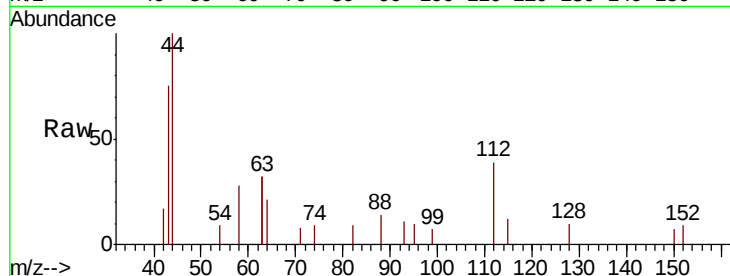
Tot Ion: 112 Resp: 462

Ion Ratio Lower Upper

112 100

64 53.5 47.2 70.8

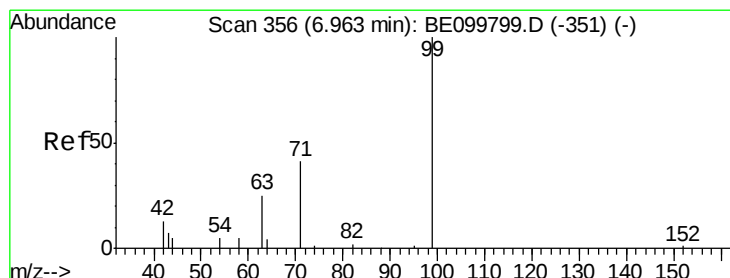
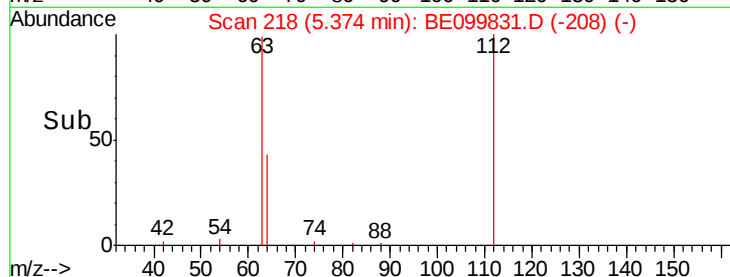
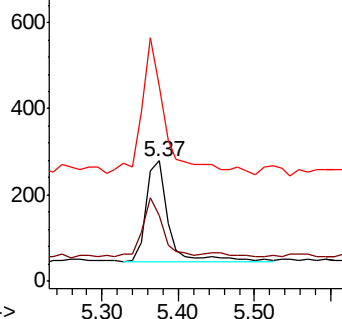
63 145.7 90.7 136.1#



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: 0.102 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

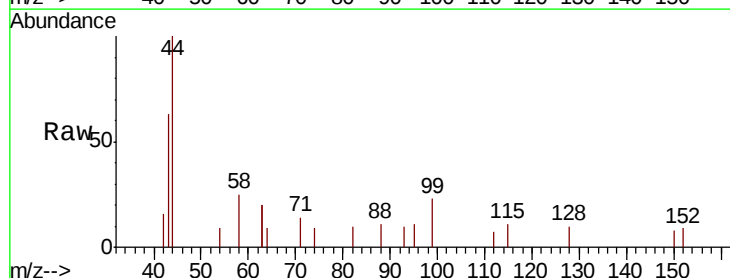
Tgt Ion: 99 Resp: 328

Ion Ratio Lower Upper

99 100

42 18.0 11.0 16.4#

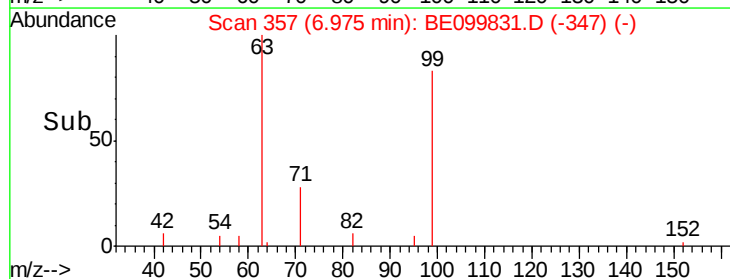
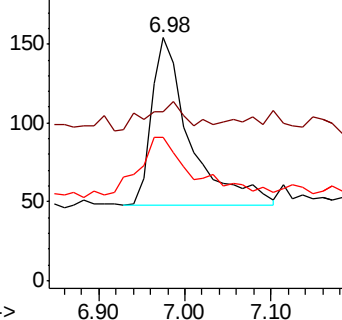
71 0.0 26.1 39.1#

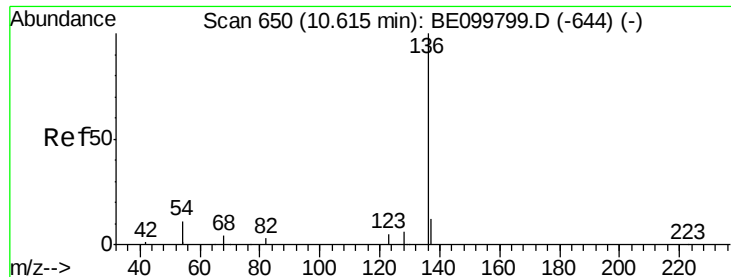


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW307D-20190604

Tot Ion:136 Resp: 3499

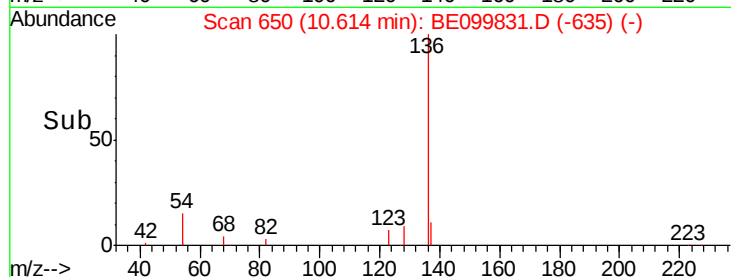
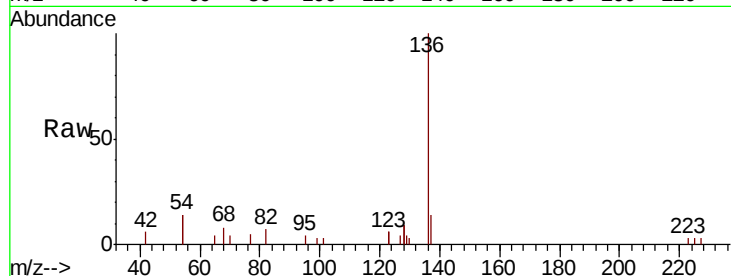
Ion Ratio Lower Upper

136 100

137 14.3 11.1 16.7

54 28.4 17.9 26.9#

68 7.8 5.4 8.0

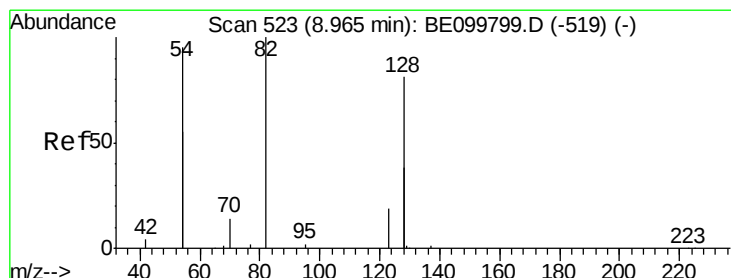
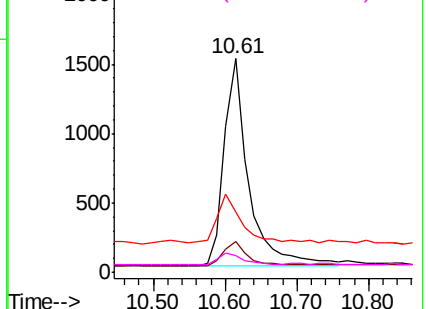


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

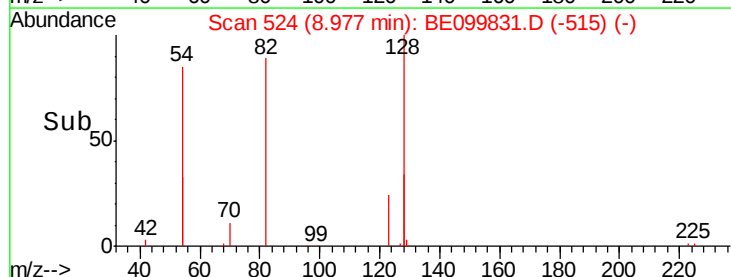
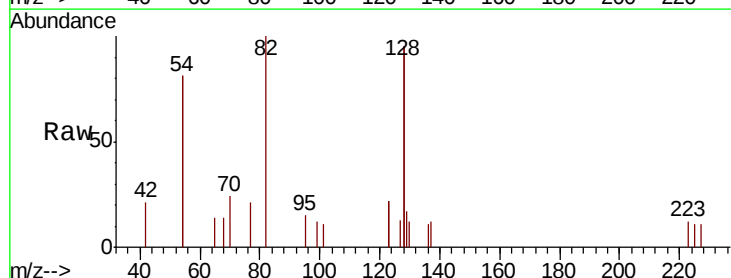
Tgt Ion: 82 Resp: 1173

Ion Ratio Lower Upper

82 100

128 190.3 116.6 175.0#

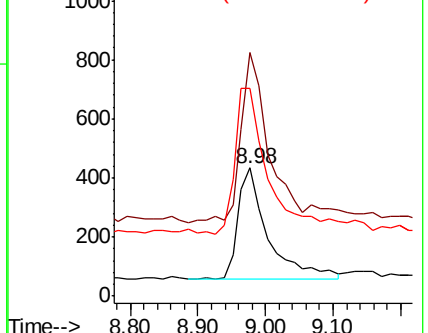
54 162.6 136.2 204.4

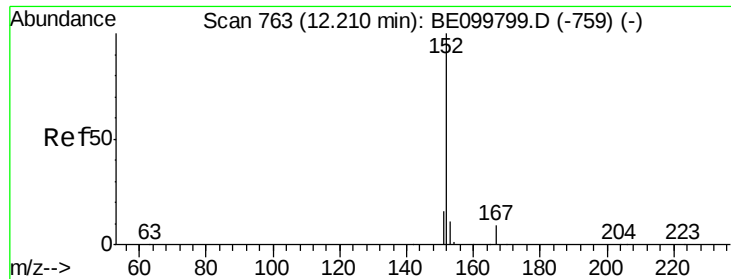


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

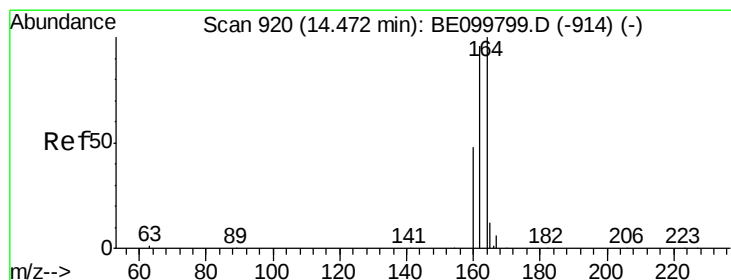
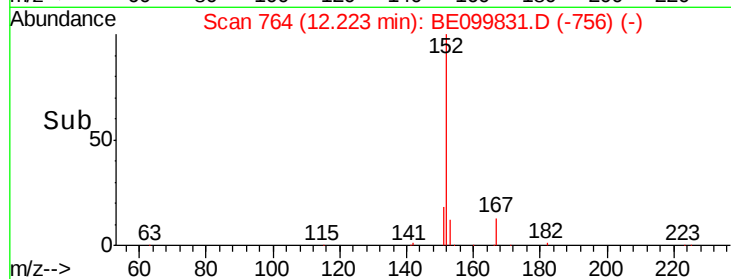
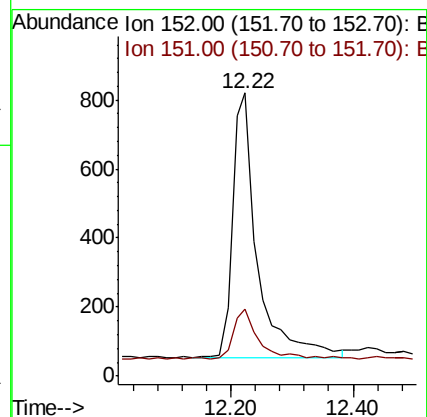
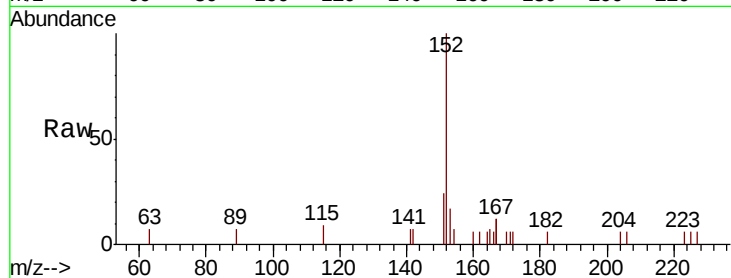




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.366 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. 0.01 min  
 Lab File: BE099831.D  
 Acq: 6 Jun 2019 20:50

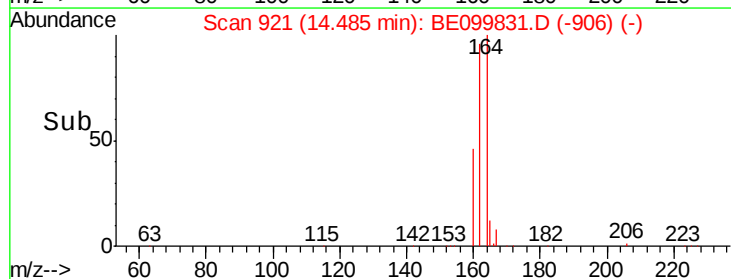
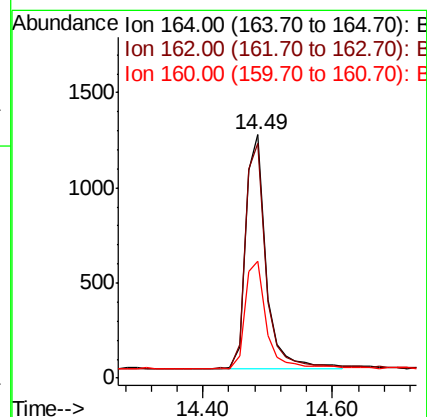
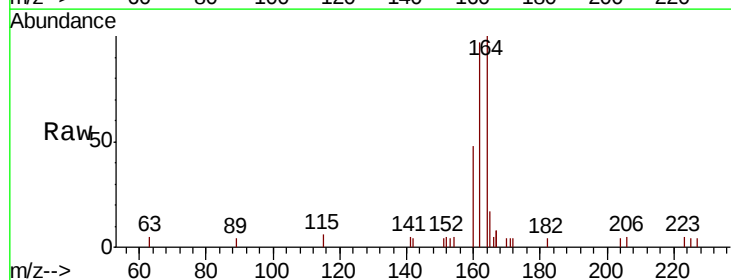
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW307D-20190604

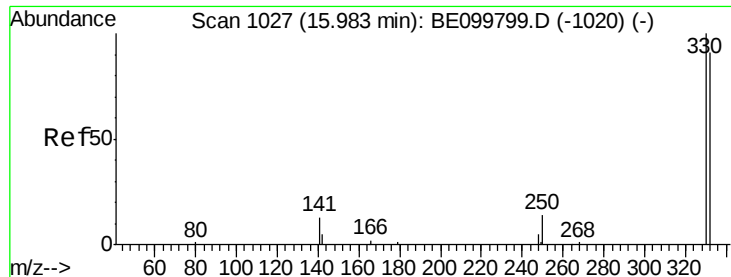
Tot Ion:152 Resp: 2198  
 Ion Ratio Lower Upper  
 152 100  
 151 18.5 15.8 23.8



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. 0.01 min  
 Lab File: BE099831.D  
 Acq: 6 Jun 2019 20:50

Tgt Ion:164 Resp: 2661  
 Ion Ratio Lower Upper  
 164 100  
 162 96.6 77.2 115.8  
 160 48.3 39.4 59.2

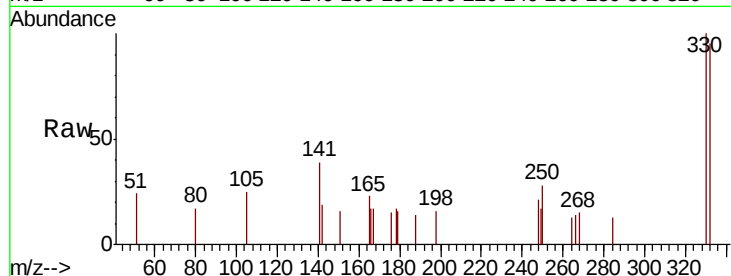




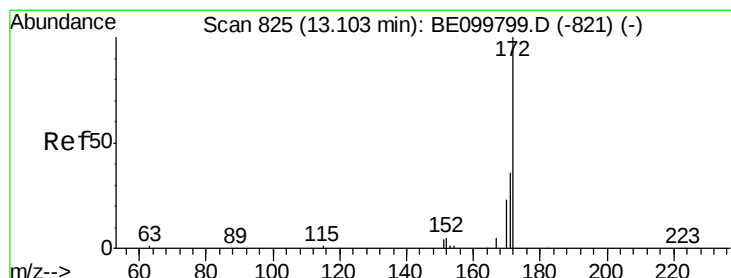
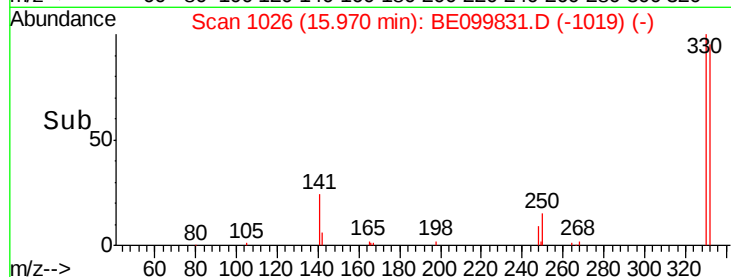
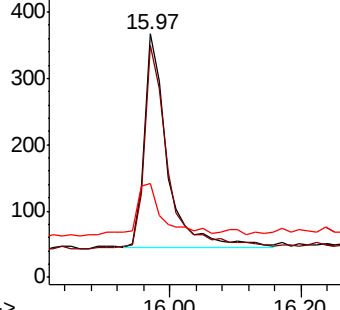
#14  
 2,4,6-Tribromophenol  
 Concen: 0.514 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BE099831.D  
 Acq: 6 Jun 2019 20:50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW307D-20190604

Tot Ion:330 Resp: 777  
 Ion Ratio Lower Upper  
 330 100  
 332 94.0 74.9 112.3  
 141 22.3 16.0 24.0

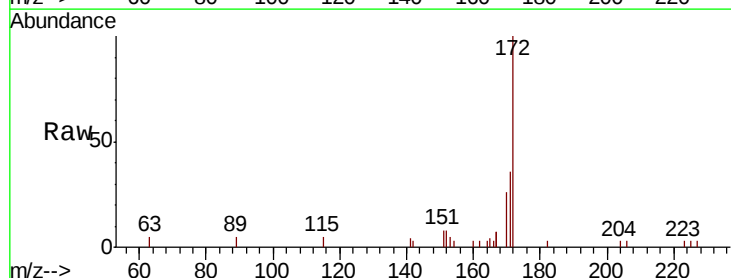


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

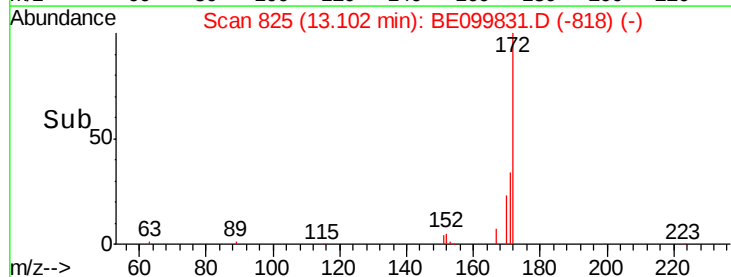
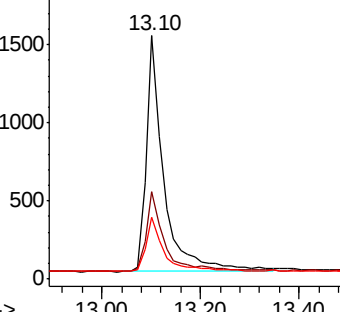


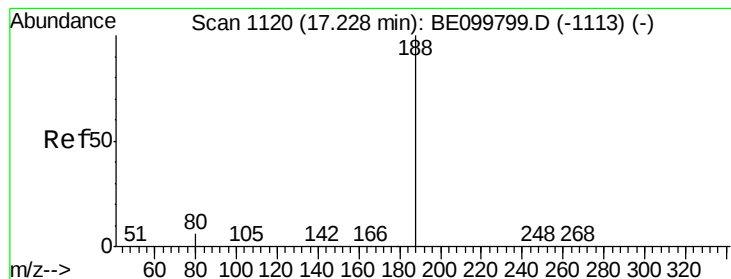
#15  
 2-Fluorobiphenyl  
 Concen: 0.374 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BE099831.D  
 Acq: 6 Jun 2019 20:50

Tgt Ion:172 Resp: 3705  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 30.2 45.4  
 170 25.6 20.1 30.1



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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW307D-20190604

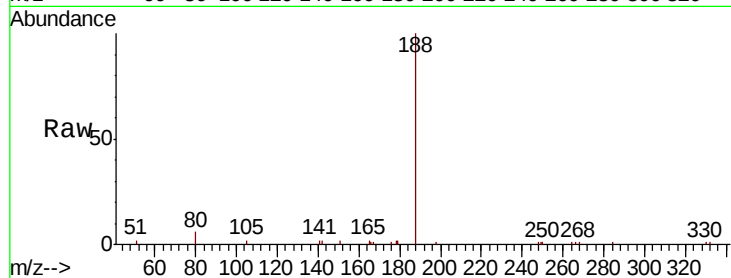
Tot Ion:188 Resp: 9428

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

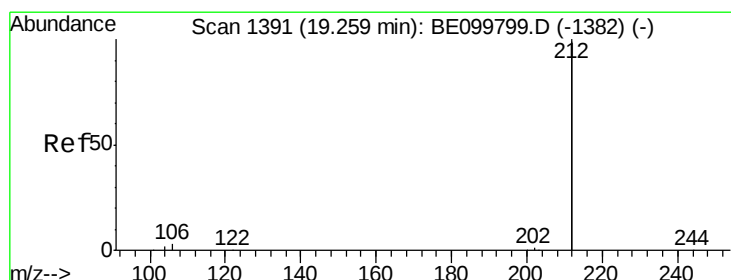
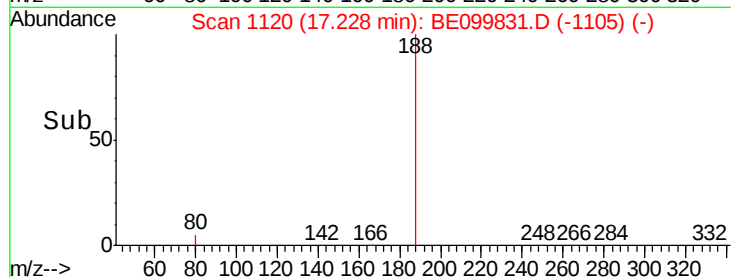
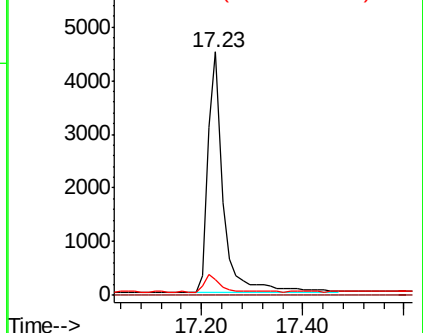
80 6.5 5.2 7.8



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



#25

Fluoranthene-d10

Concen: 0.422 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099831.D

Acq: 6 Jun 2019 20:50

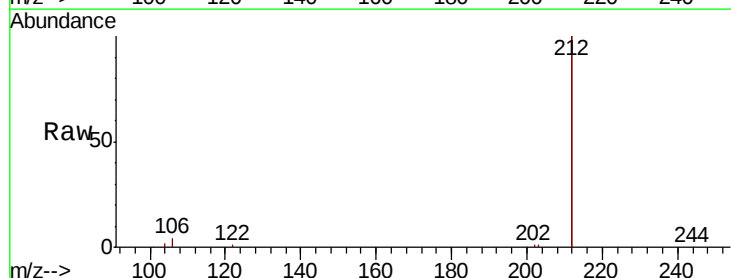
Tgt Ion:212 Resp: 59068

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

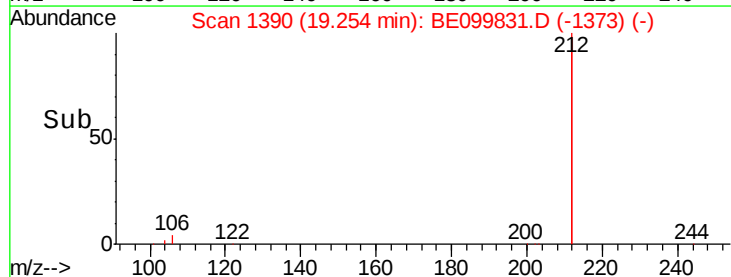
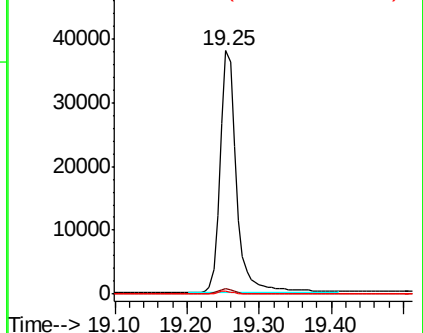
104 1.1 0.8 1.2

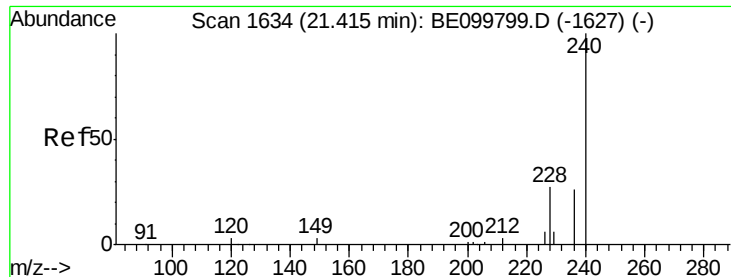


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

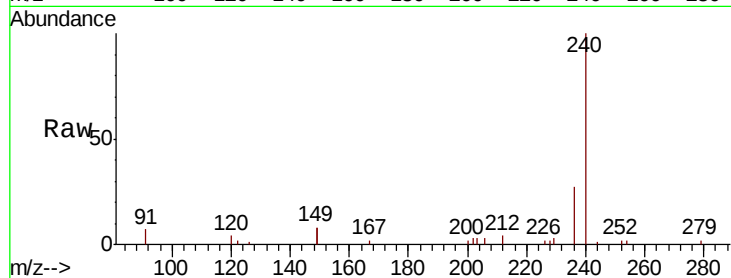




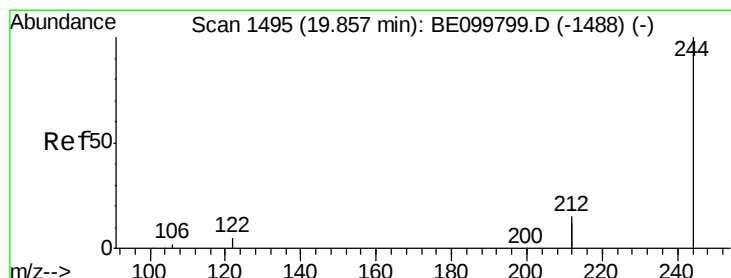
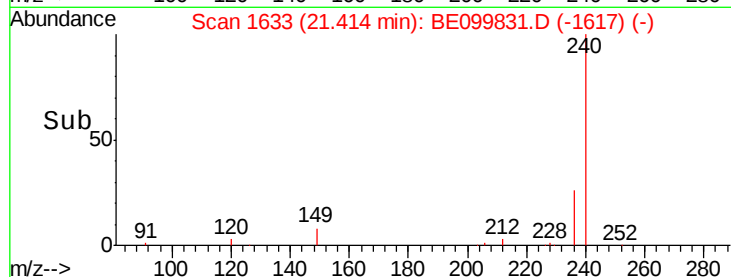
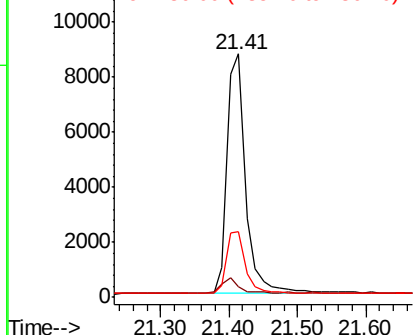
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.41 min Scan# 1633  
Delta R.T. -0.00 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW307D-20190604

Tot Ion:240 Resp: 16528  
Ion Ratio Lower Upper  
240 100  
120 4.5 2.8 4.2#  
236 27.1 20.9 31.3

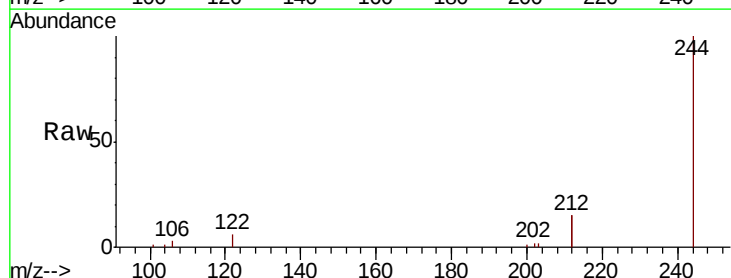


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

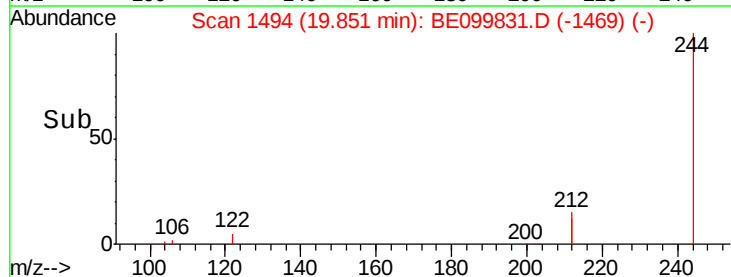
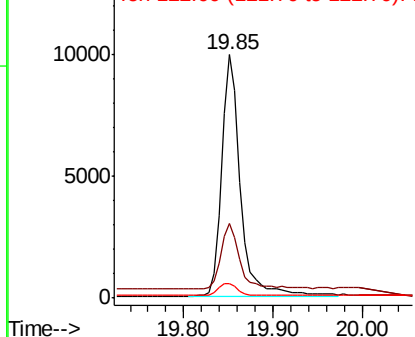


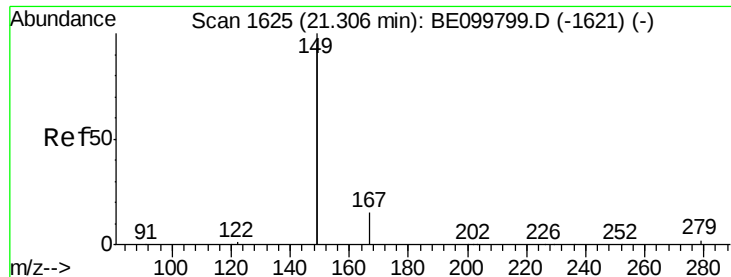
#29  
Terphenyl-d14  
Concen: 0.527 ng  
RT: 19.85 min Scan# 1494  
Delta R.T. -0.01 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Tgt Ion:244 Resp: 14292  
Ion Ratio Lower Upper  
244 100  
212 30.7 23.7 35.5  
122 6.1 4.8 7.2



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

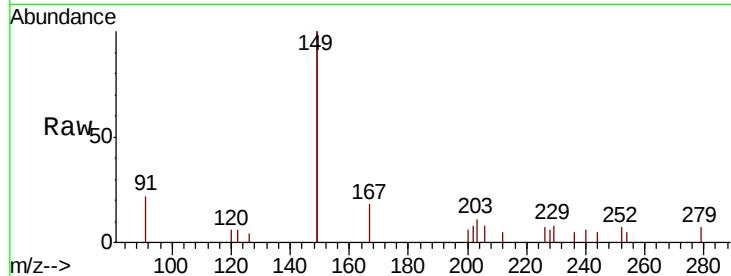




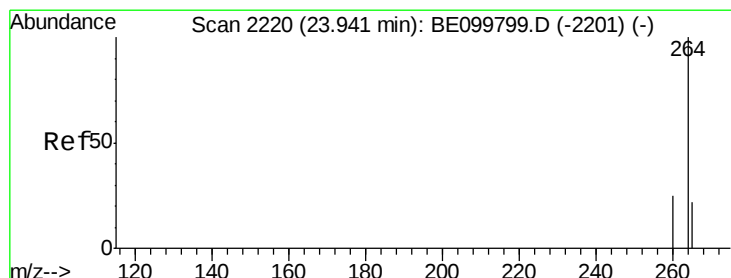
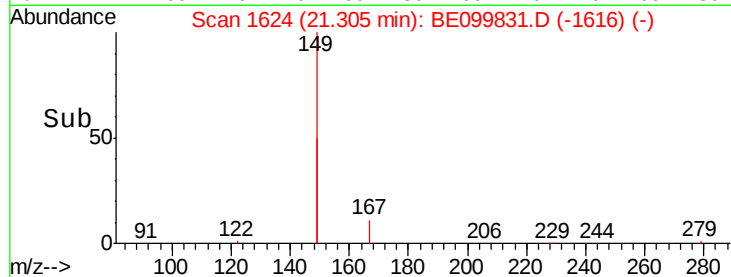
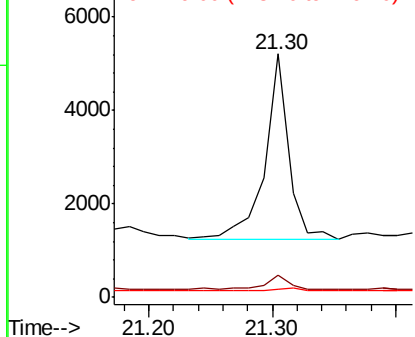
#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.102 ng  
RT: 21.30 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW307D-20190604

Tot Ion:149 Resp: 5351  
Ion Ratio Lower Upper  
149 100  
167 8.1 6.0 9.0  
279 2.0 1.2 1.8#

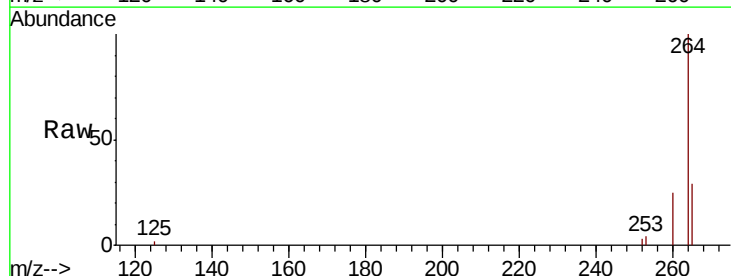


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.94 min Scan# 2220  
Delta R.T. 0.00 min  
Lab File: BE099831.D  
Acq: 6 Jun 2019 20:50

Tgt Ion:264 Resp: 19557  
Ion Ratio Lower Upper  
264 100  
260 25.1 20.0 30.0  
265 29.4 20.7 31.1



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

