

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061319\  
 Data File : BE099998.D  
 Acq On : 13 Jun 2019 20:11  
 Operator : JU/SJ  
 Sample : K3279-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW302D-20190607

Quant Time: Jun 14 03:26:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 14:57:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 712      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.62 | 136  | 2472     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2117     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 6510     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 9418     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.92 | 264  | 10642    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 279      | 0.15 | ng    | 0.00     |
| 5) Phenol-d6                | 6.96  | 99   | 205      | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 886      | 0.38 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 1495     | 0.35 | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 473      | 0.30 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 3262     | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 35659    | 0.38 | ng    | -0.01    |
| 29) Terphenyl-d14           | 19.84 | 244  | 10164    | 0.60 | ng    | -0.01    |

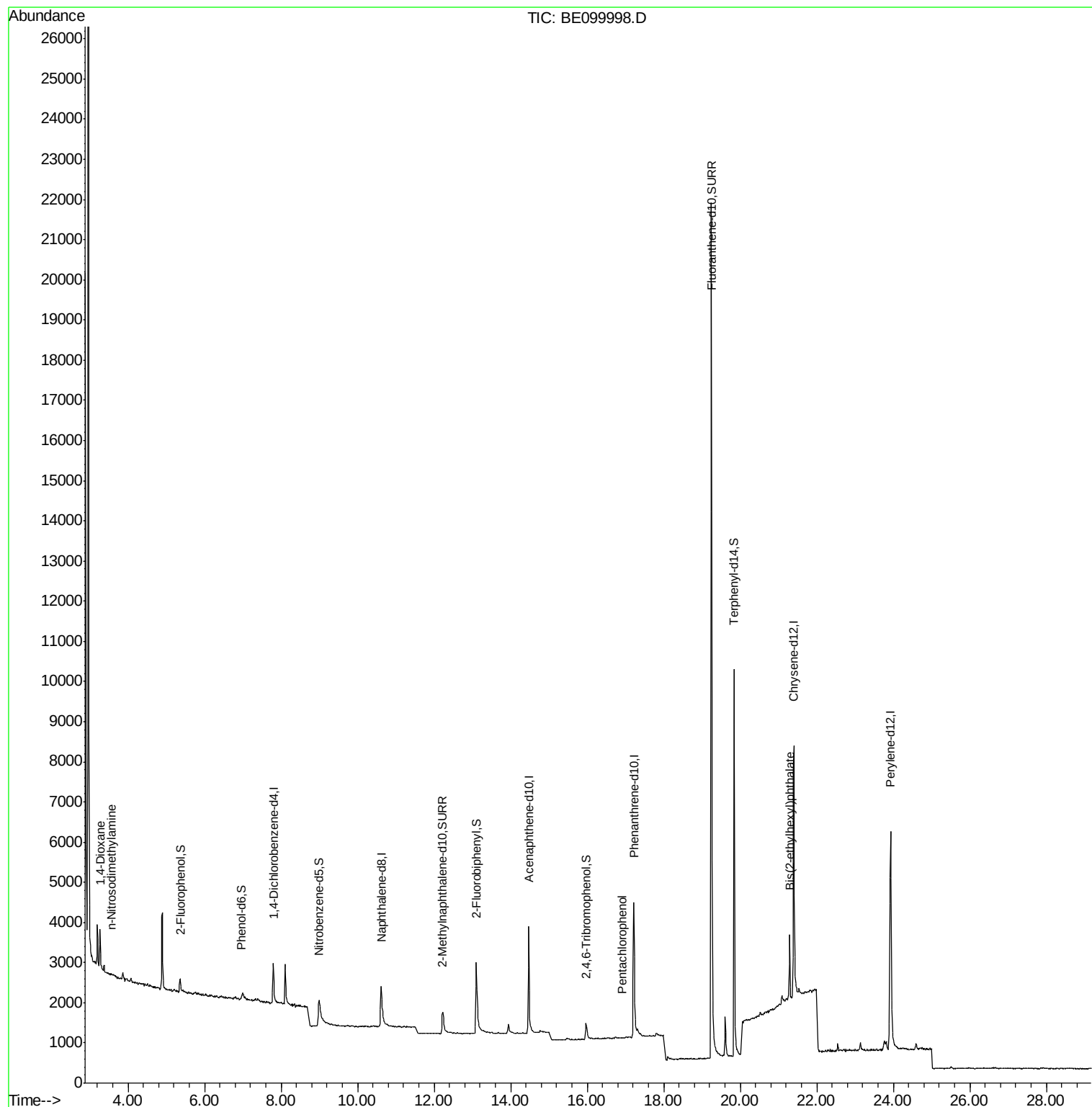
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88   | 735      | 0.697 | ng    | # 79   |
| 3) n-Nitrosodimethylamine      | 3.57  | 42   | 13       | 0.021 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266  | 4        | 0.302 | ng    | # 82   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2254     | 0.056 | ng    | # 97   |

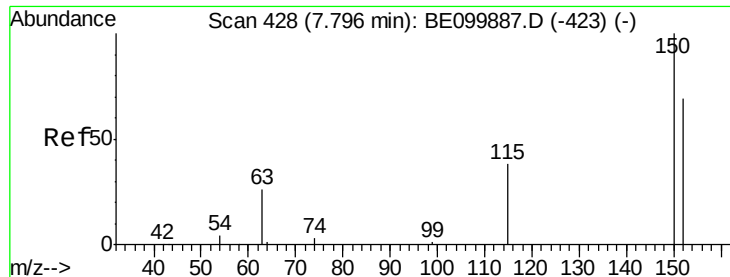
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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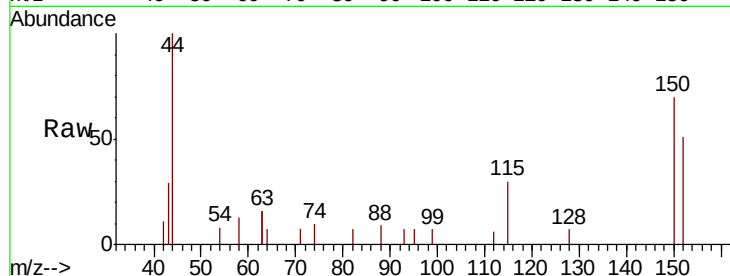


#1

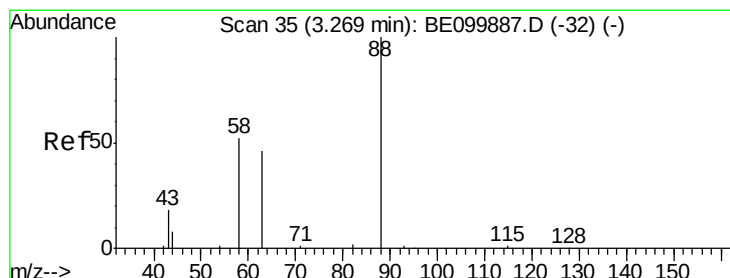
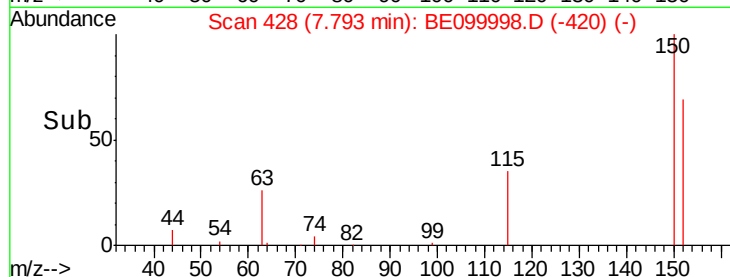
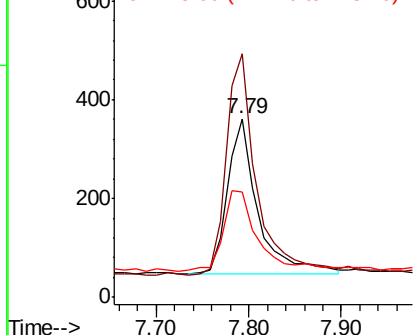
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BE099998.D  
Acq: 13 Jun 2019 20:11

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW302D-20190607

Tgt Ion: 152 Resp: 712  
Ion Ratio Lower Upper  
152 100  
150 136.6 111.0 166.6  
115 59.3 50.7 76.1



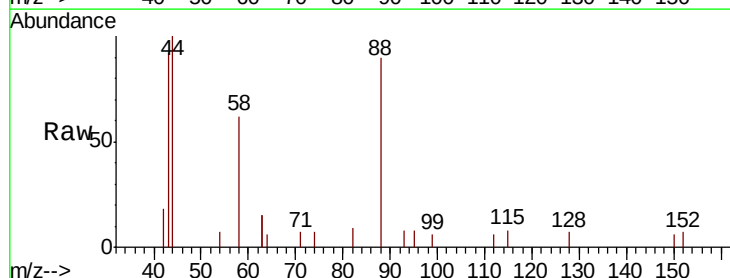
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



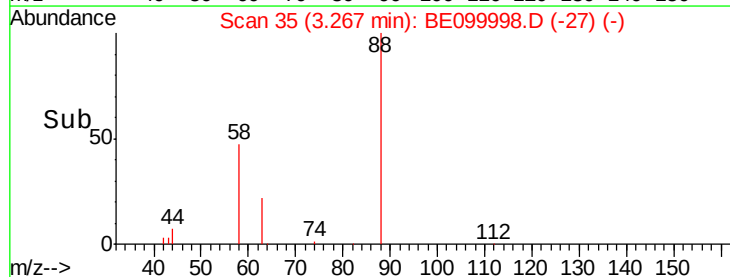
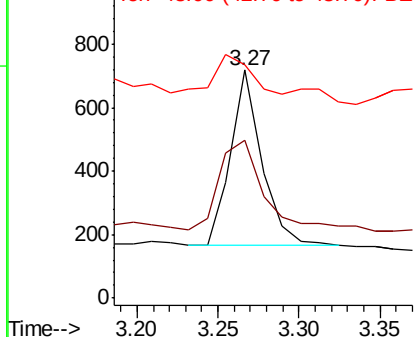
#2

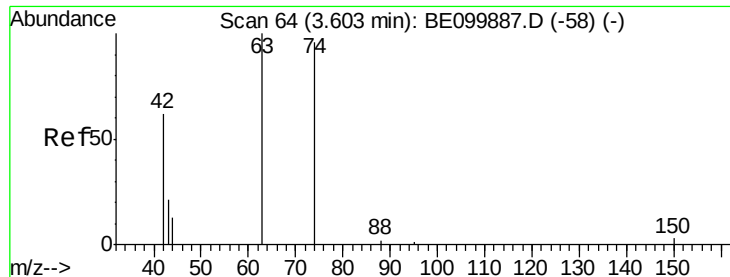
1,4-Dioxane  
Concen: 0.697 ng  
RT: 3.27 min Scan# 35  
Delta R.T. -0.00 min  
Lab File: BE099998.D  
Acq: 13 Jun 2019 20:11

Tgt Ion: 88 Resp: 735  
Ion Ratio Lower Upper  
88 100  
58 69.3 48.8 73.2  
43 47.1 19.0 28.6#



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





#3

n-Nitrosodimethylamine

Concen: 0.021 ng

RT: 3.57 min Scan# 61

Delta R.T. -0.04 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

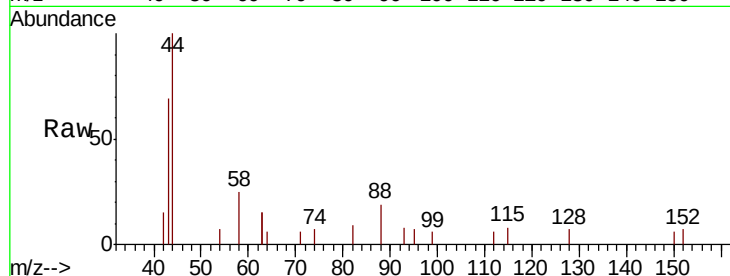
Tgt Ion: 42 Resp: 13

Ion Ratio Lower Upper

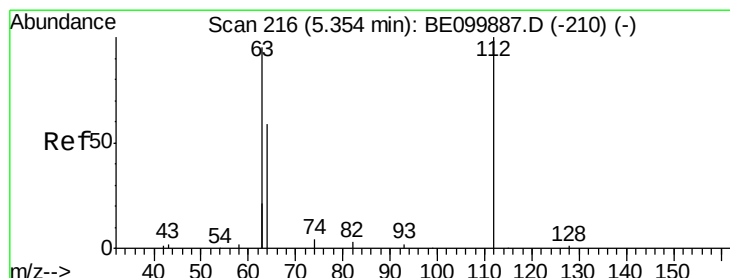
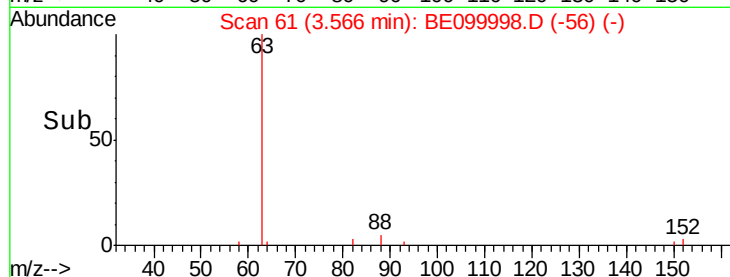
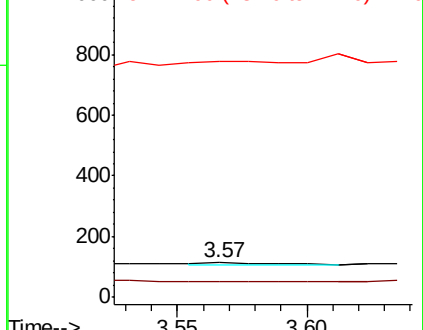
42 100

74 0.0 0.0 0.0

44 538.5 0.0 0.0#



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: 0.145 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

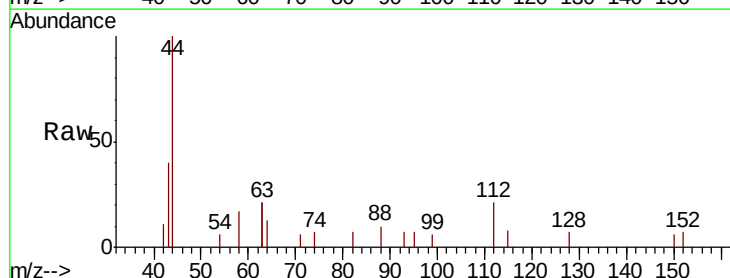
Tgt Ion: 112 Resp: 279

Ion Ratio Lower Upper

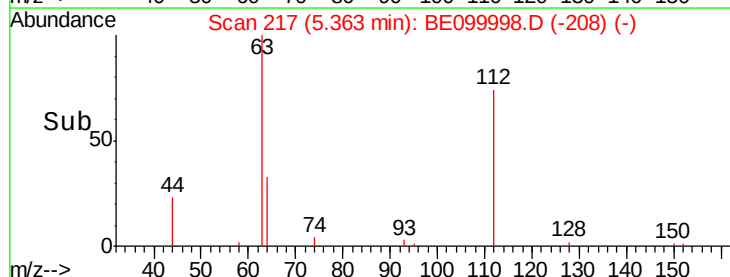
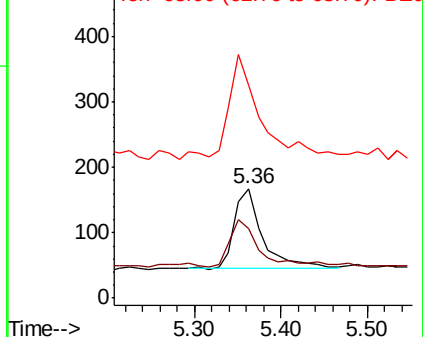
112 100

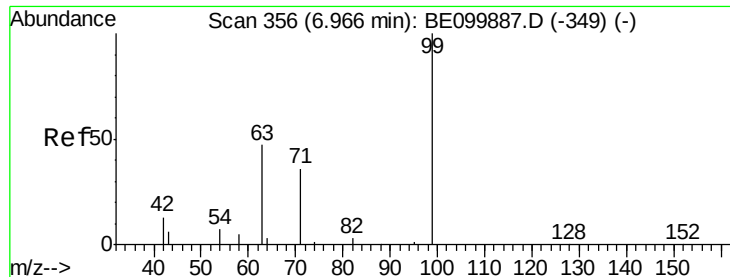
64 61.6 44.1 66.1

63 155.9 87.8 131.6#



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: 0.083 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

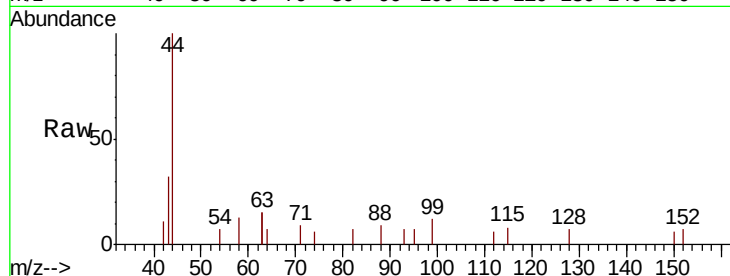
Tgt Ion: 99 Resp: 205

Ion Ratio Lower Upper

99 100

42 0.0 15.9 23.9#

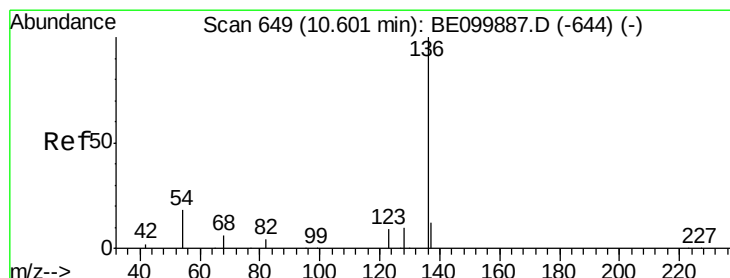
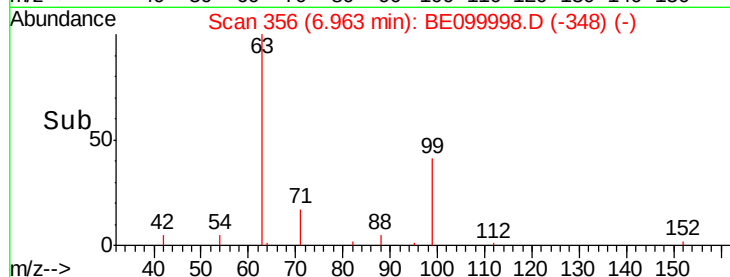
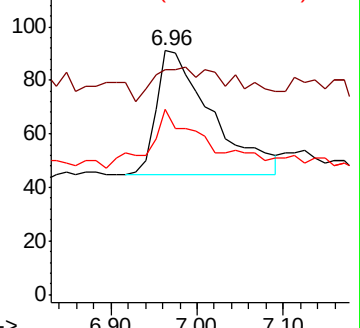
71 41.0 34.6 52.0



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: 0.400 ng

RT: 10.62 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Tgt Ion: 136 Resp: 2472

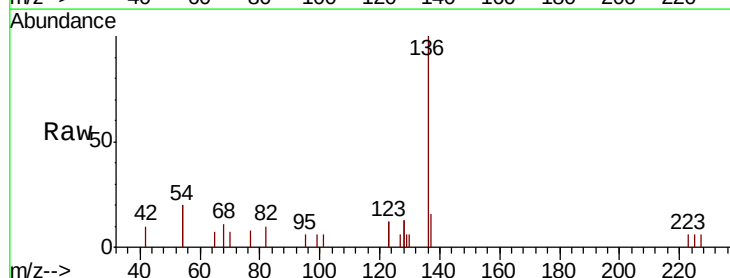
Ion Ratio Lower Upper

136 100

137 15.9 12.3 18.5

54 40.5 28.2 42.4

68 10.8 7.8 11.8

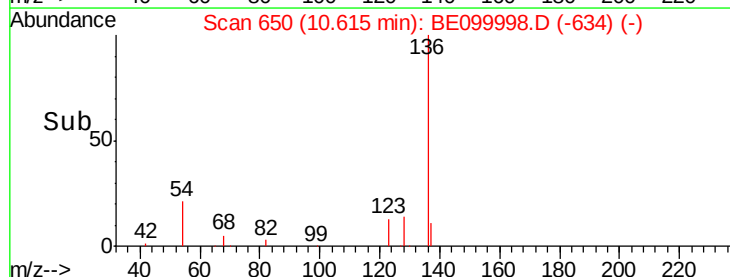
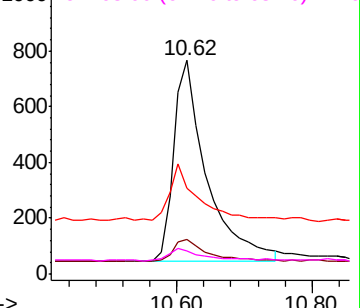


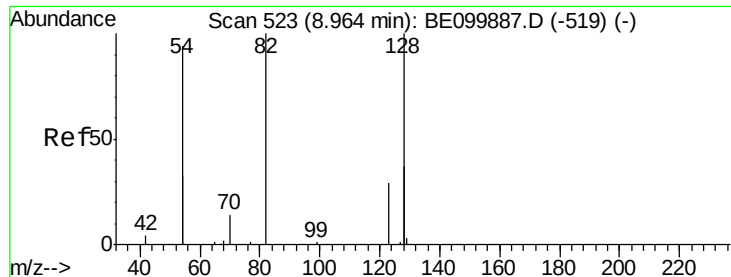
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.379 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

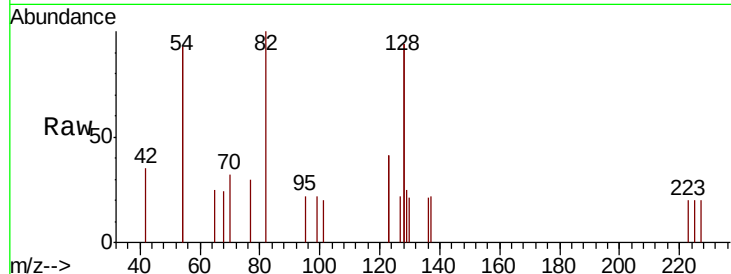
Tgt Ion: 82 Resp: 886

Ion Ratio Lower Upper

82 100

128 188.2 137.3 205.9

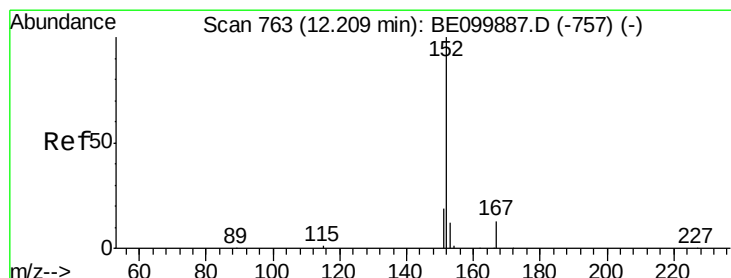
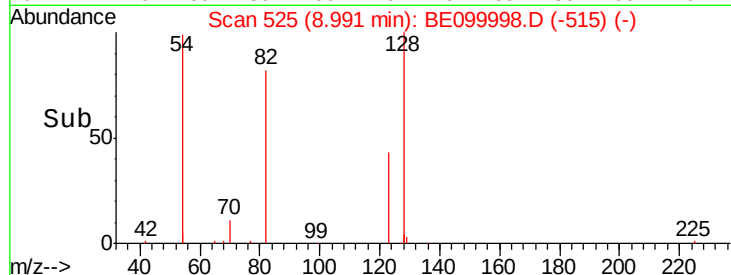
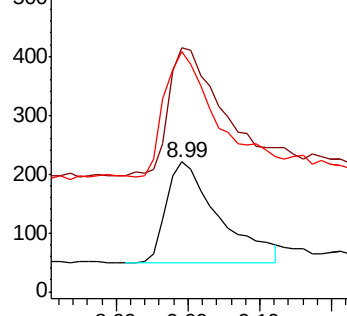
54 185.5 129.7 194.5



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: 0.347 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.02 min

Lab File: BE099998.D

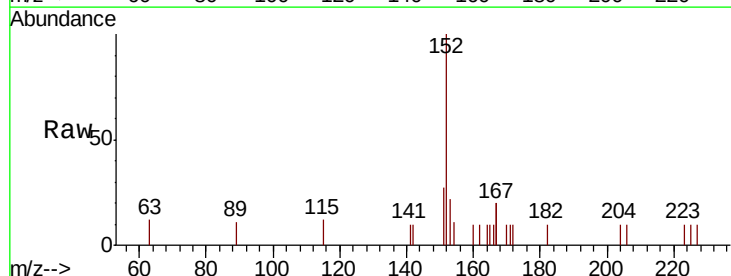
Acq: 13 Jun 2019 20:11

Tgt Ion: 152 Resp: 1495

Ion Ratio Lower Upper

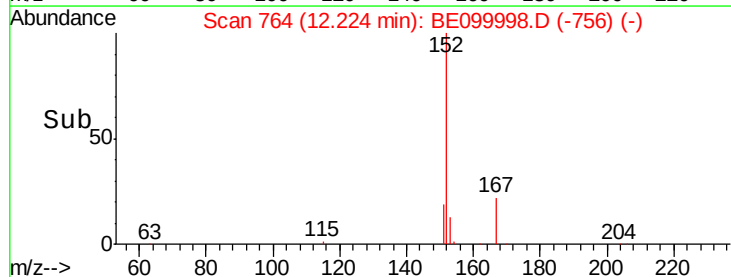
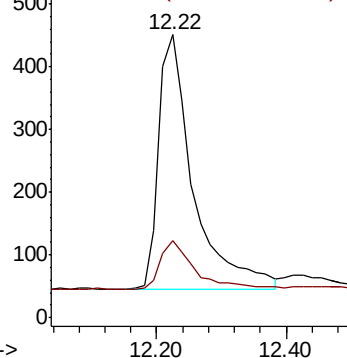
152 100

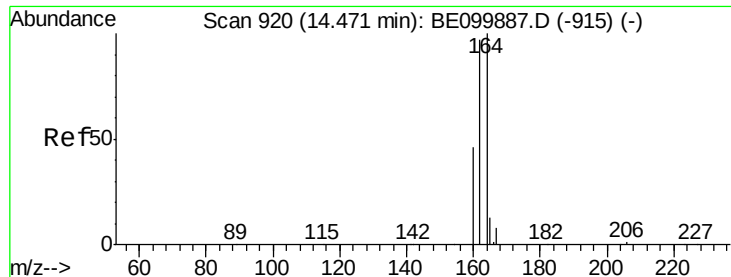
151 18.6 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

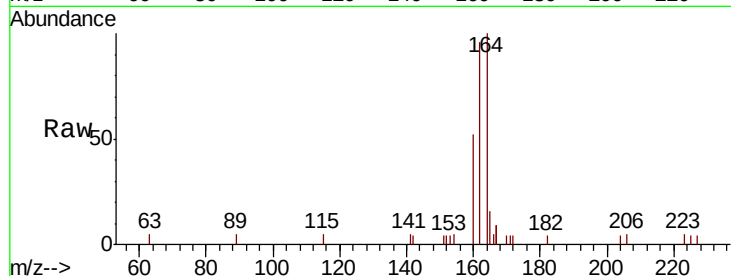




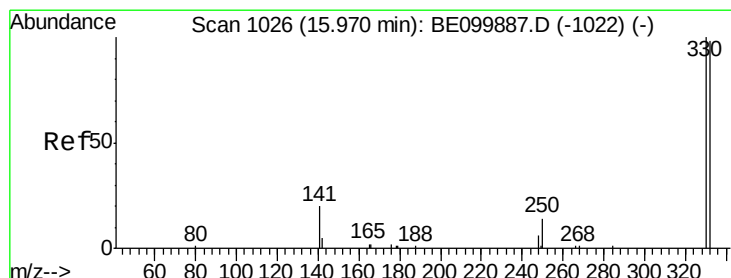
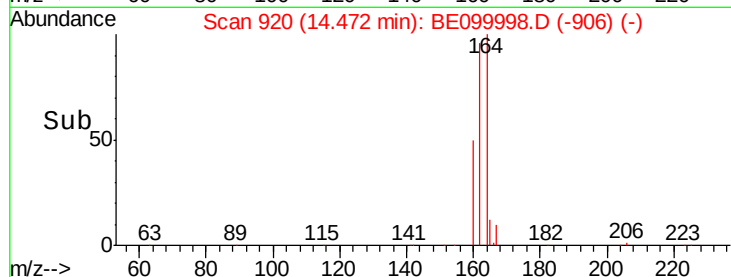
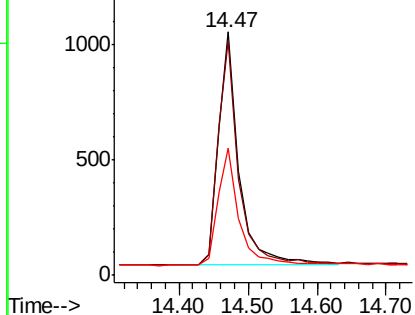
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: BE099998.D  
Acq: 13 Jun 2019 20:11

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW302D-20190607

Tgt Ion:164 Resp: 2117  
Ion Ratio Lower Upper  
164 100  
162 96.3 77.8 116.8  
160 52.1 38.2 57.4

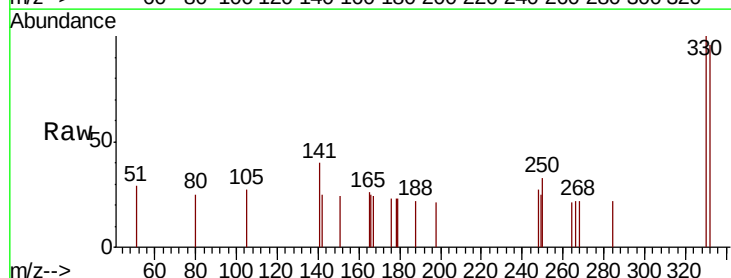


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

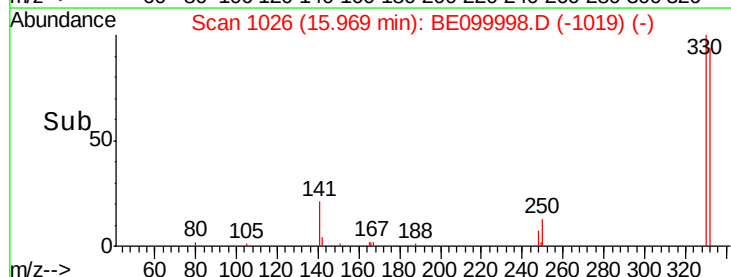
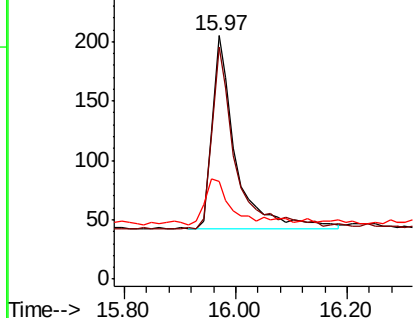


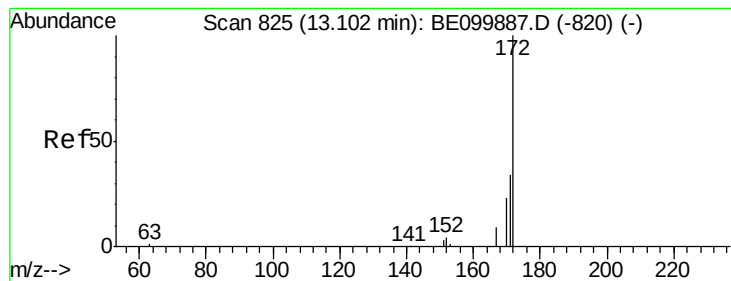
#14  
2,4,6-Tribromophenol  
Concen: 0.302 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BE099998.D  
Acq: 13 Jun 2019 20:11

Tgt Ion:330 Resp: 473  
Ion Ratio Lower Upper  
330 100  
332 94.9 76.7 115.1  
141 24.5 21.0 31.6



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: 0.406 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

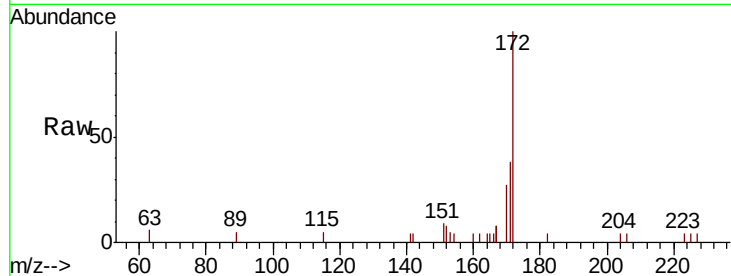
Tgt Ion:172 Resp: 3262

Ion Ratio Lower Upper

172 100

171 38.3 29.2 43.8

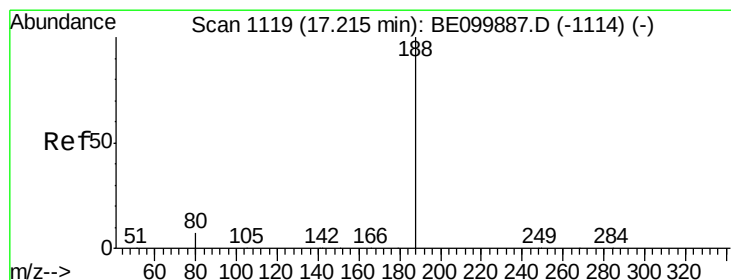
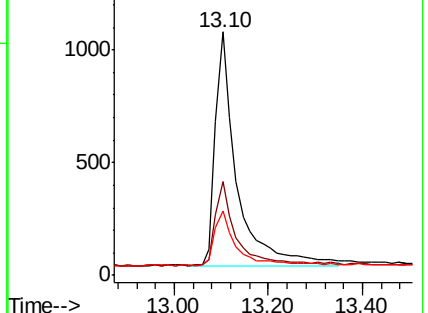
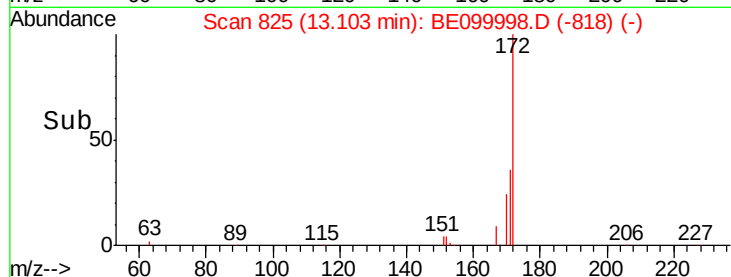
170 26.7 21.2 31.8



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

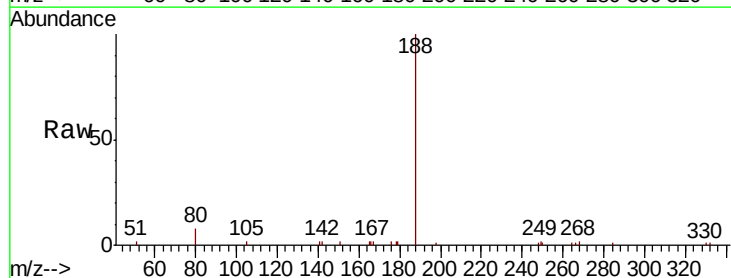
Tgt Ion:188 Resp: 6510

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

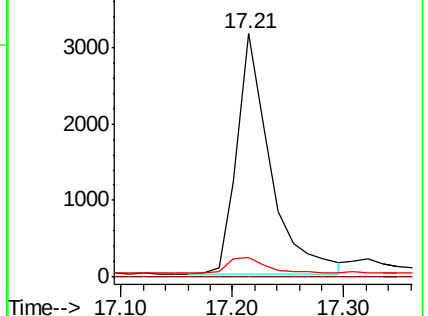
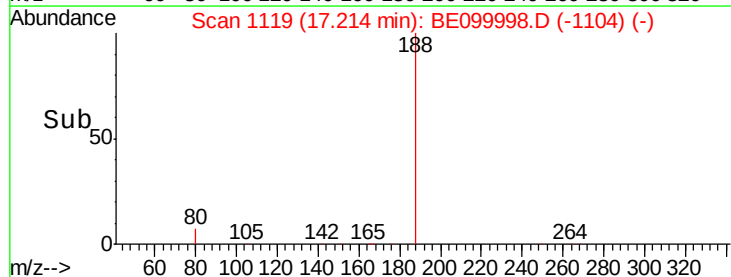
80 8.2 6.4 9.6



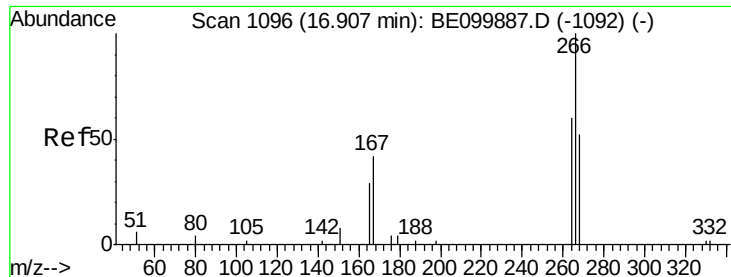
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0







#22

Pentachlorophenol

Concen: 0.302 ng

RT: 16.91 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

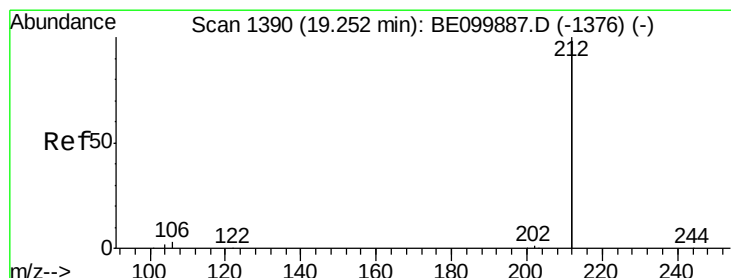
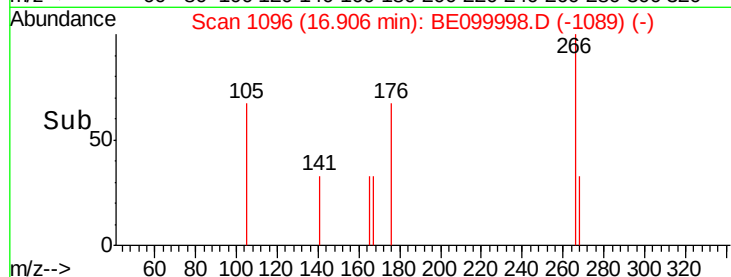
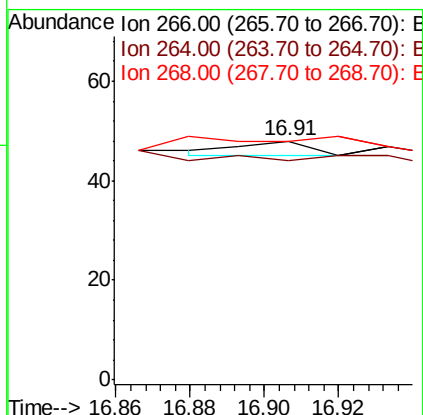
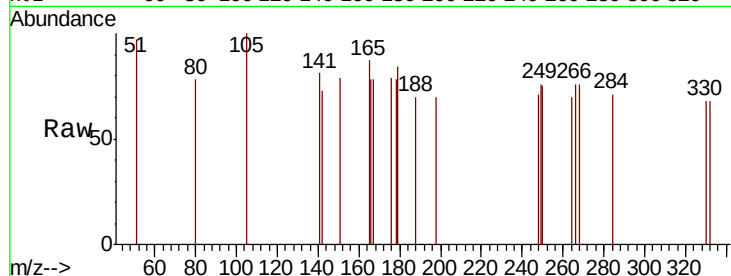
Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 4     |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 91.7  | 62.2  | 93.2  |
| 268      | 100.0 | 65.5  | 98.3# |



#25

Fluoranthene-d10

Concen: 0.376 ng

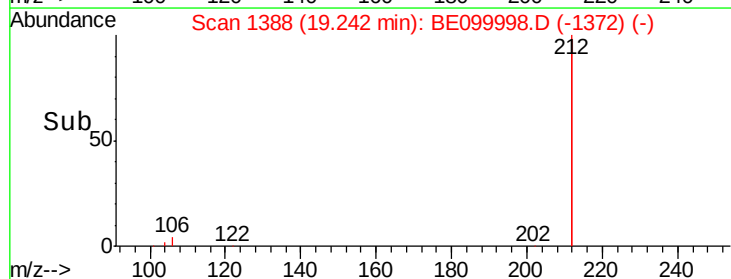
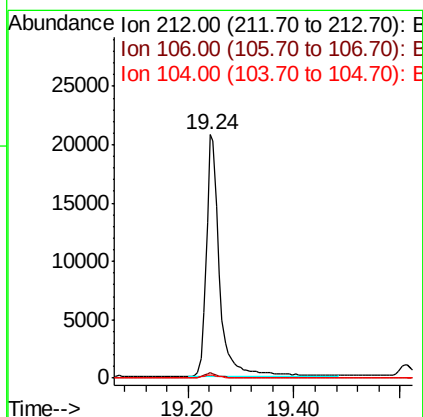
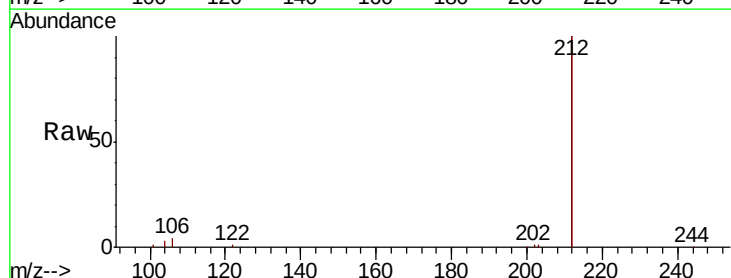
RT: 19.24 min Scan# 1388

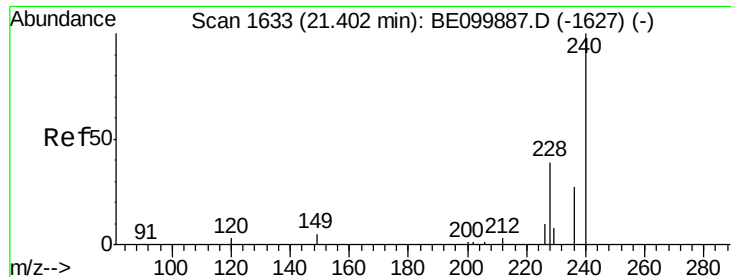
Delta R.T. -0.01 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 35659 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 1.9   | 1.4   | 2.2   |
| 104      | 1.1   | 0.9   | 1.3   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW302D-20190607

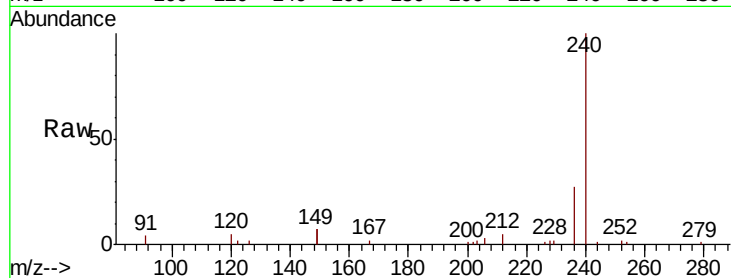
Tgt Ion:240 Resp: 9418

Ion Ratio Lower Upper

240 100

120 5.1 3.8 5.6

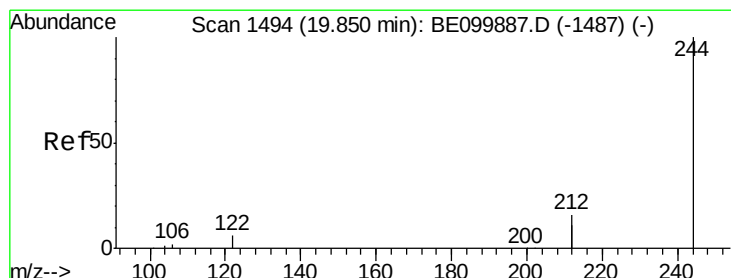
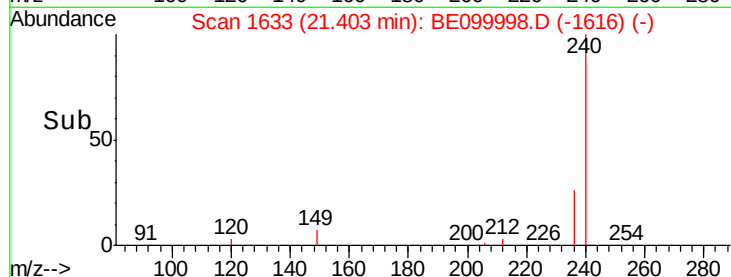
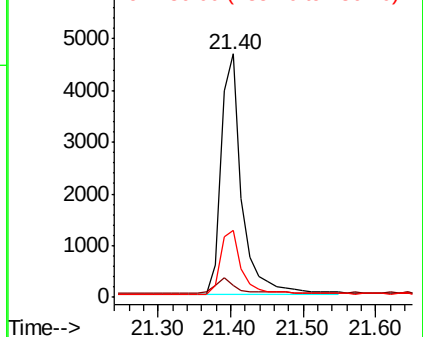
236 27.4 22.0 33.0



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



#29

Terphenyl-d14

Concen: 0.599 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099998.D

Acq: 13 Jun 2019 20:11

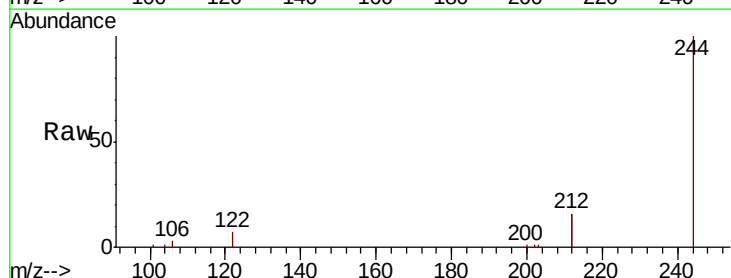
Tgt Ion:244 Resp: 10164

Ion Ratio Lower Upper

244 100

212 32.1 25.7 38.5

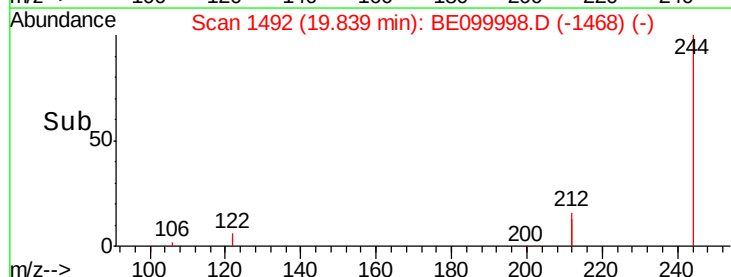
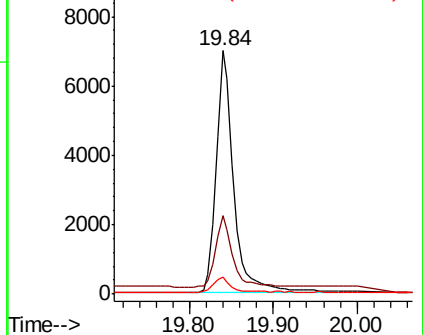
122 6.9 5.5 8.3

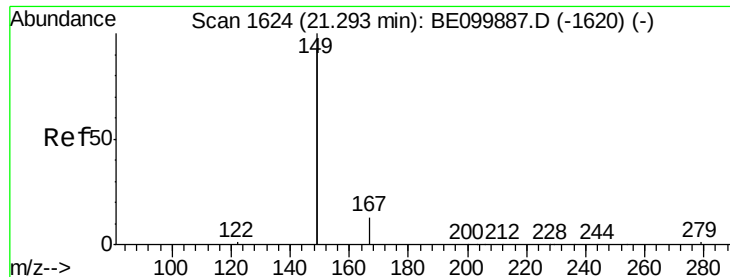


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

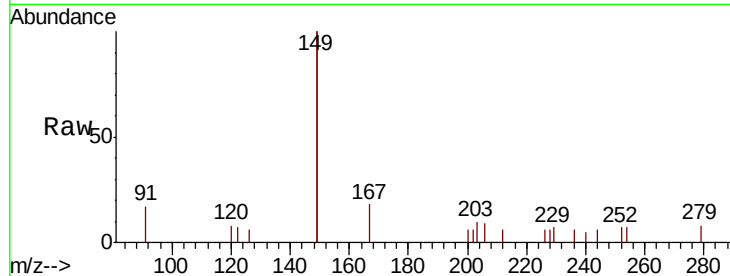




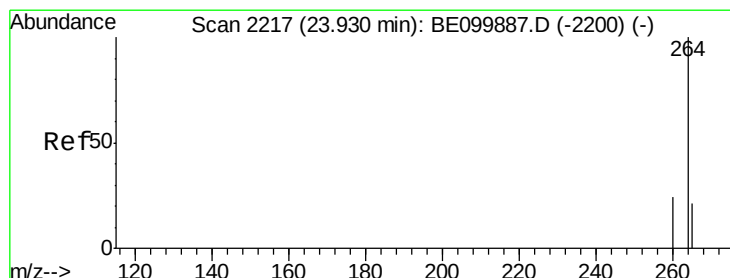
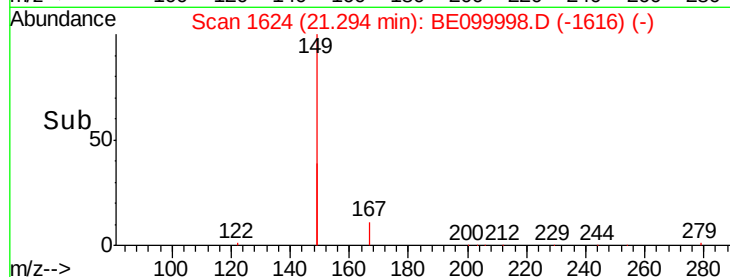
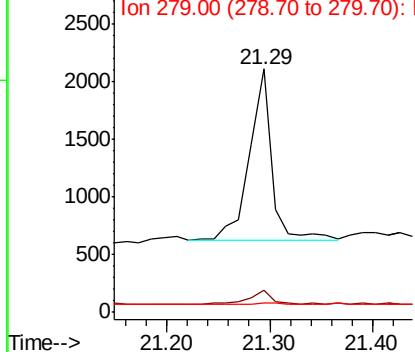
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.056 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. 0.00 min  
 Lab File: BE099998.D  
 Acq: 13 Jun 2019 20:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW302D-20190607

Tgt Ion:149 Resp: 2254  
 Ion Ratio Lower Upper  
 149 100  
 167 8.5 5.9 8.9  
 279 2.4 1.2 1.8#

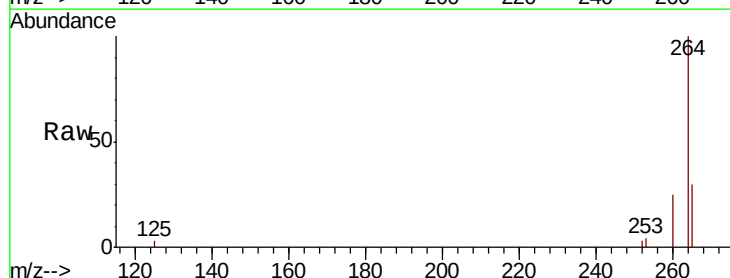


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.92 min Scan# 2215  
 Delta R.T. -0.01 min  
 Lab File: BE099998.D  
 Acq: 13 Jun 2019 20:11

Tgt Ion:264 Resp: 10642  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.2 30.2  
 265 30.1 22.0 33.0



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

