

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE031419\  
 Data File : BE098949.D  
 Acq On : 14 Mar 2019 18:40  
 Operator : JU/SJ  
 Sample : K1882-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW305D-20190312

Quant Time: Mar 15 05:32:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 06 15:33:24 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 755      | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.60 | 136  | 3328     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2326     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 5704     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 6771     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 6497     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 340      | 0.15 | ng    | 0.02     |
| 5) Phenol-d6                | 7.03  | 99   | 233      | 0.07 | ng    | 0.05     |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 998      | 0.29 | ng    | 0.06     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 2107     | 0.34 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 358      | 0.30 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 4332     | 0.45 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 30451    | 0.33 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 7654     | 0.47 | ng    | 0.00     |

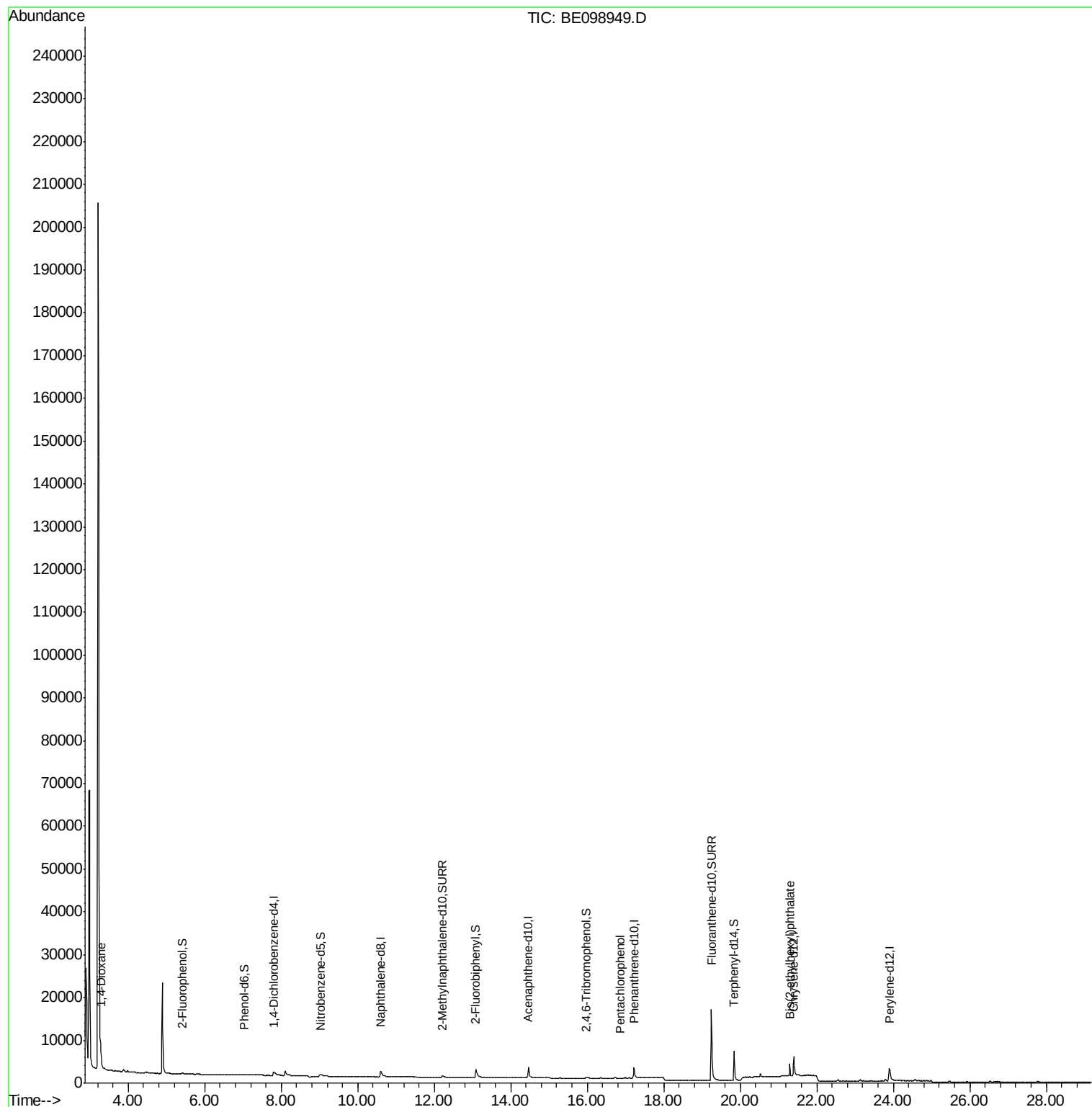
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88   | 1473     | 1.163 | ng    | # 90   |
| 22) Pentachlorophenol          | 16.87 | 266  | 6        | 0.269 | ng    | 87     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 3149     | 0.070 | ng    | # 98   |

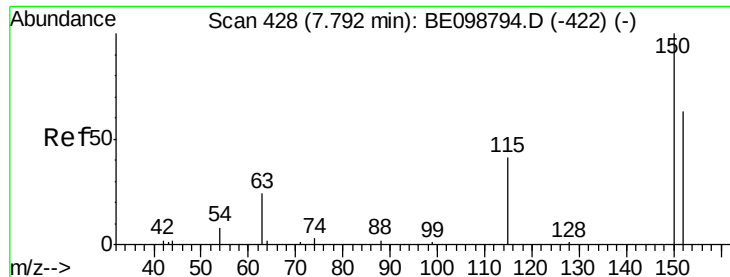
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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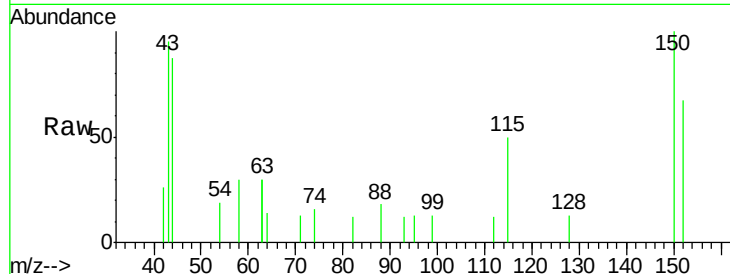


#1

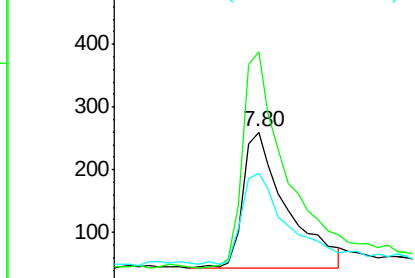
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BE098949.D  
Acq: 14 Mar 2019 18:40

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW305D-20190312

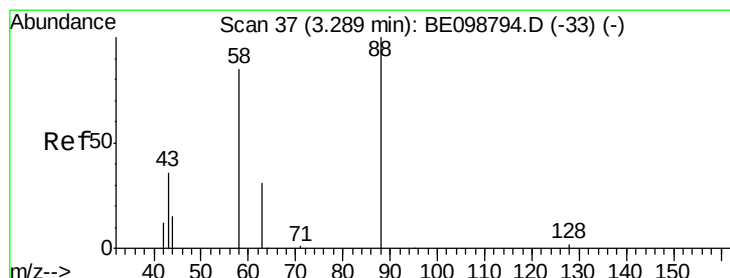
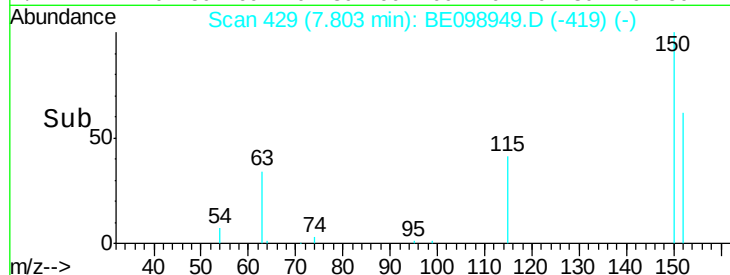
Tgt Ion:152 Resp: 755  
Ion Ratio Lower Upper  
152 100  
150 149.2 122.5 183.7  
115 74.6 57.4 86.2



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



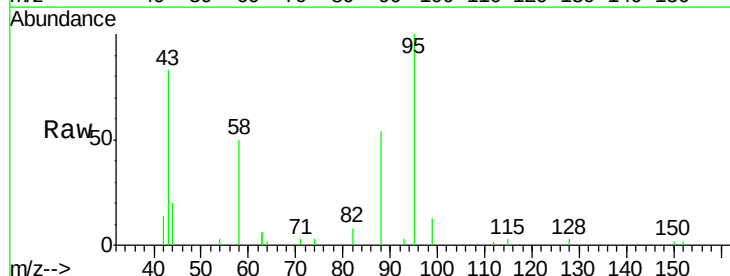
Time-->



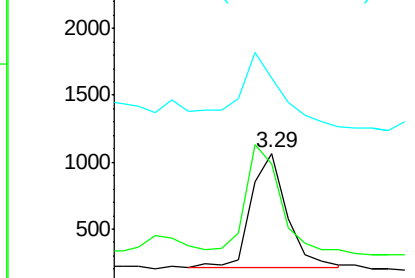
#2

1,4-Dioxane  
Concen: 1.163 ng  
RT: 3.29 min Scan# 37  
Delta R.T. 0.00 min  
Lab File: BE098949.D  
Acq: 14 Mar 2019 18:40

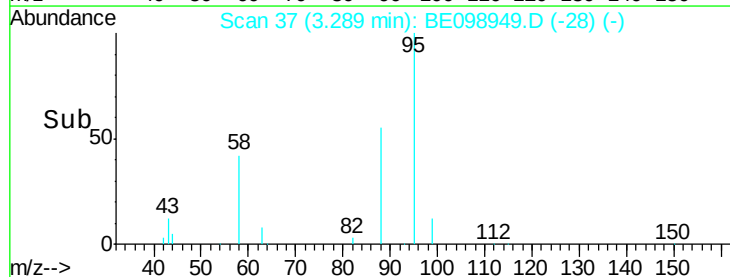
Tgt Ion: 88 Resp: 1473  
Ion Ratio Lower Upper  
88 100  
58 95.1 75.8 113.6  
43 71.2 41.8 62.8#

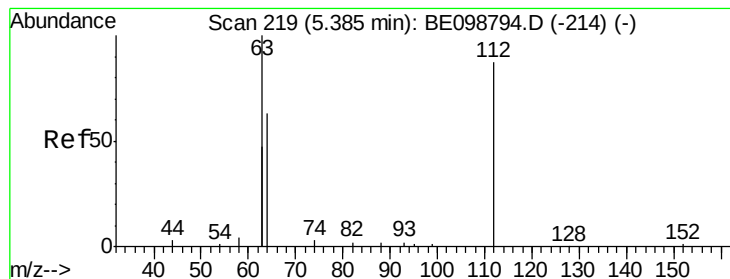


Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.151 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305D-20190312

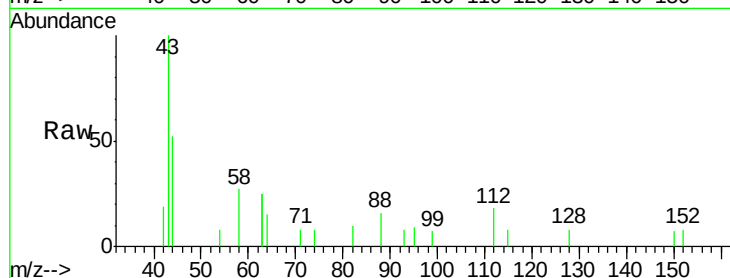
Tgt Ion: 112 Resp: 340

Ion Ratio Lower Upper

112 100

64 72.4 57.9 86.9

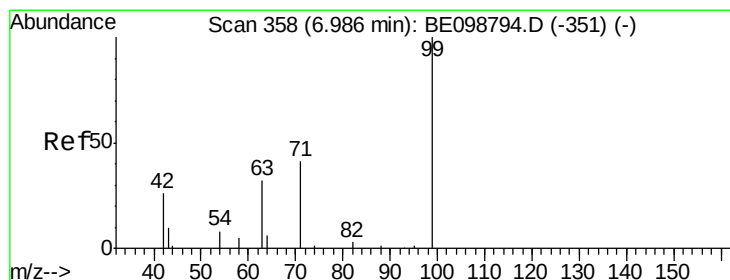
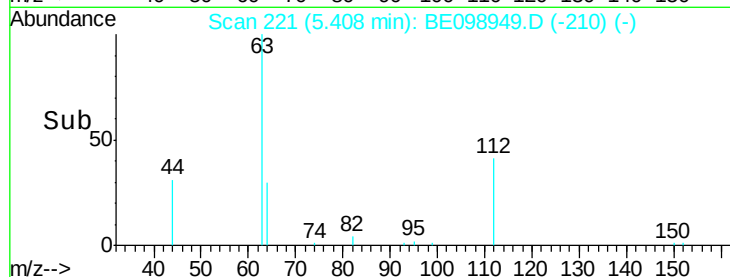
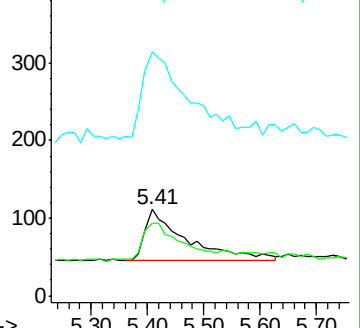
63 187.1 158.3 237.5



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: 0.073 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.05 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

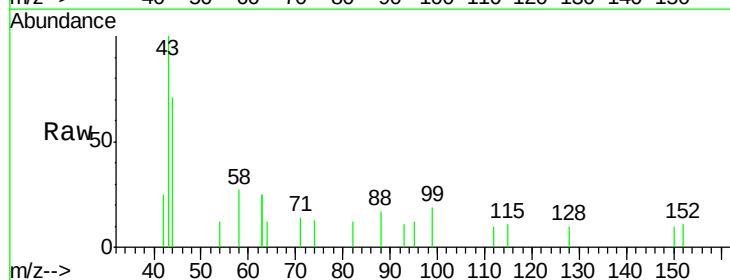
Tgt Ion: 99 Resp: 233

Ion Ratio Lower Upper

99 100

42 30.9 24.2 36.2

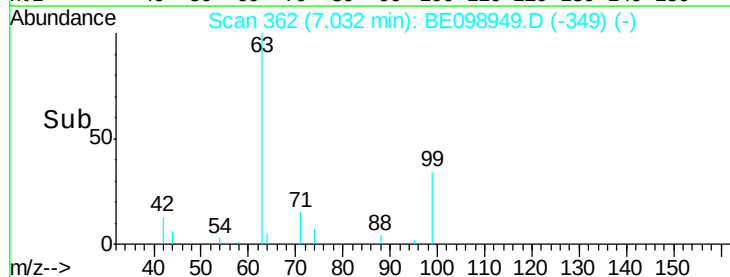
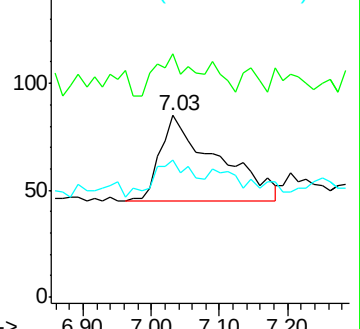
71 22.3 35.7 53.5#

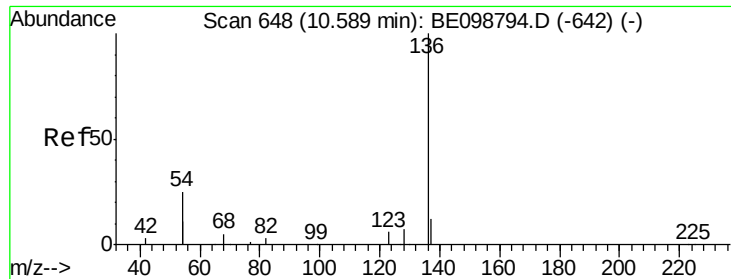


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305D-20190312

Tgt Ion: 136 Resp: 3328

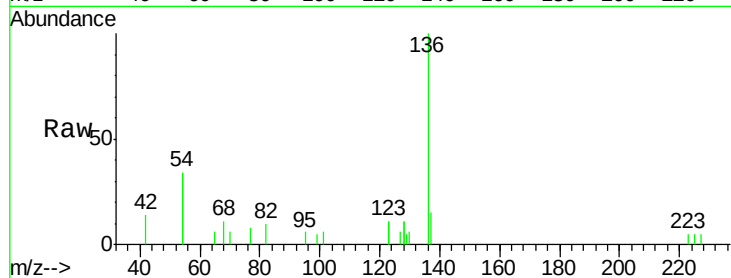
Ion Ratio Lower Upper

136 100

137 15.5 11.4 17.0

54 68.7 39.3 58.9#

68 11.5 6.7 10.1#

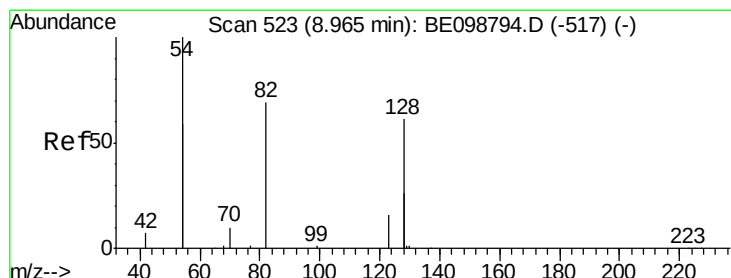
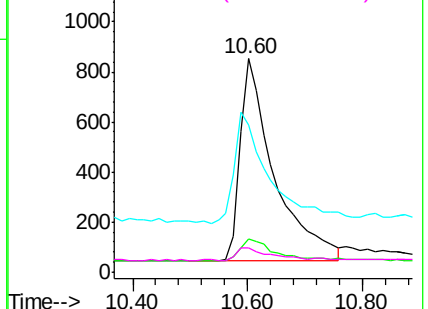
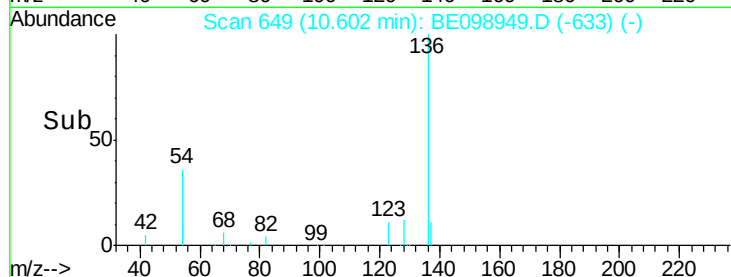


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.286 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.06 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

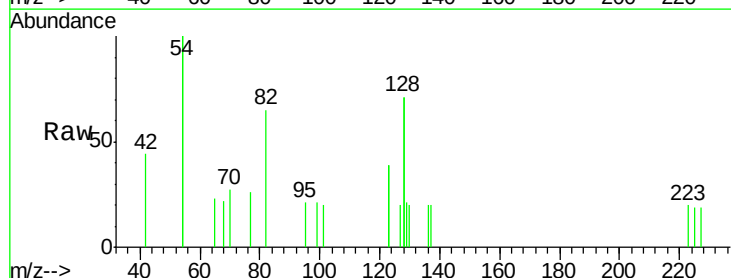
Tgt Ion: 82 Resp: 998

Ion Ratio Lower Upper

82 100

128 215.9 123.8 185.8#

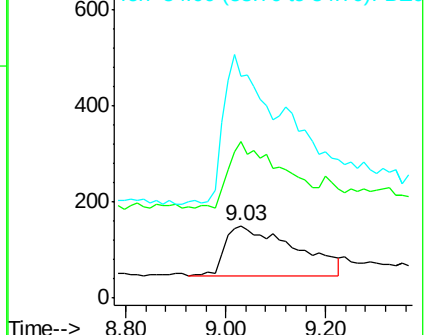
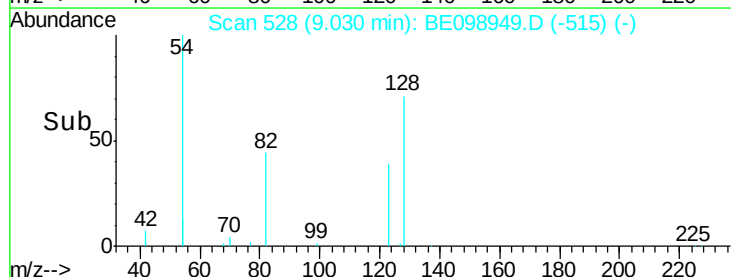
54 306.0 203.4 305.2#

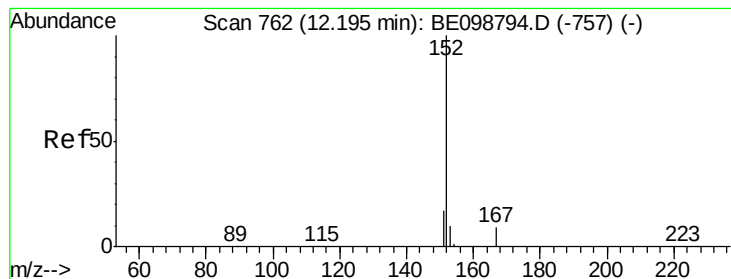


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.343 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

BNA\_E

ClientSampleId :

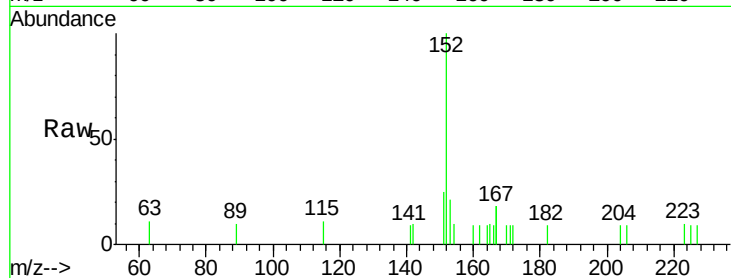
BPS1-TT-MW305D-20190312

Tgt Ion:152 Resp: 2107

Ion Ratio Lower Upper

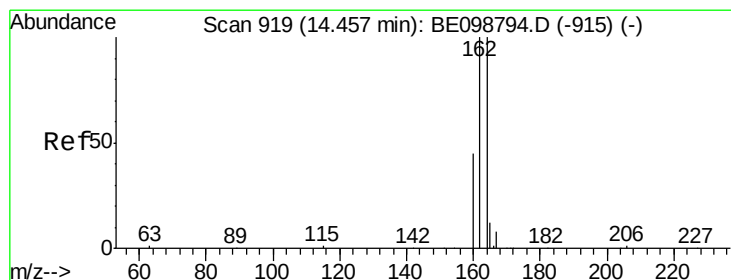
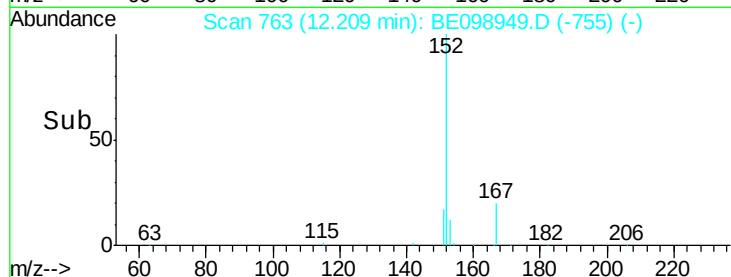
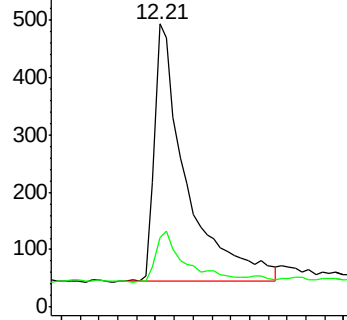
152 100

151 17.8 16.5 24.7



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: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

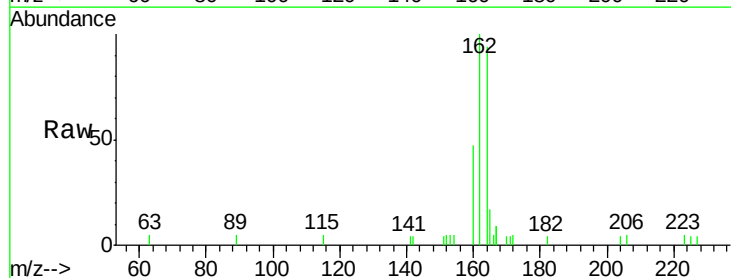
Tgt Ion:164 Resp: 2326

Ion Ratio Lower Upper

164 100

162 105.9 80.2 120.2

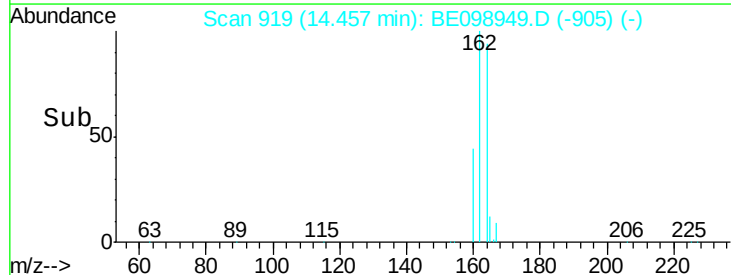
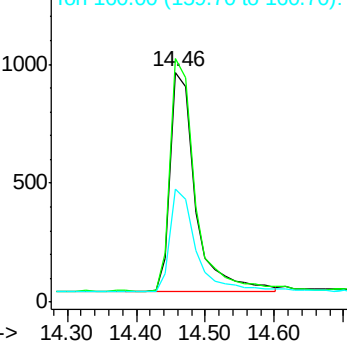
160 49.3 37.8 56.8

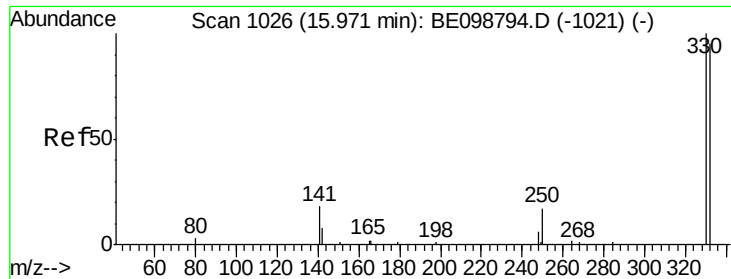


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.305 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305D-20190312

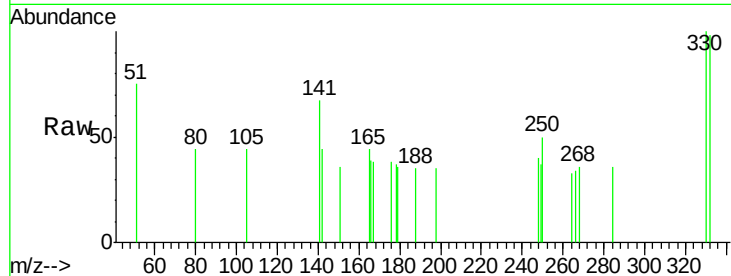
Tgt Ion:330 Resp: 358

Ion Ratio Lower Upper

330 100

332 83.8 77.6 116.4

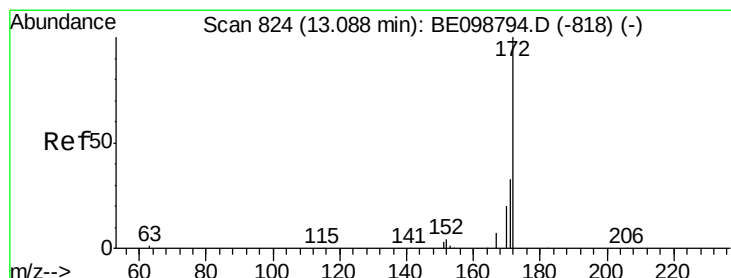
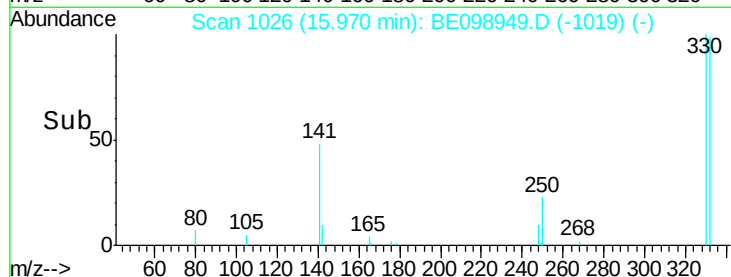
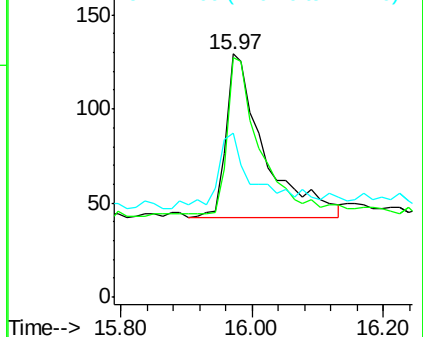
141 38.5 31.0 46.4



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: 0.450 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

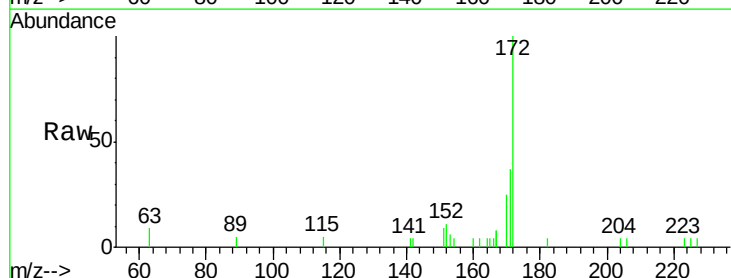
Tgt Ion:172 Resp: 4332

Ion Ratio Lower Upper

172 100

171 37.4 28.0 42.0

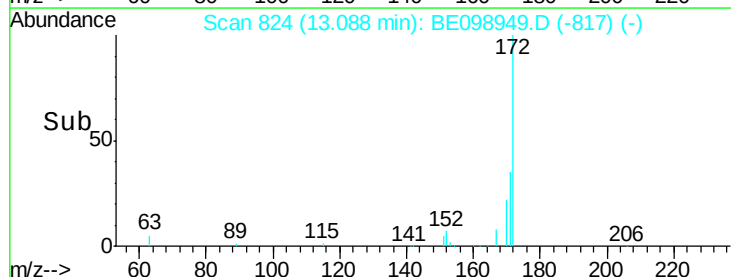
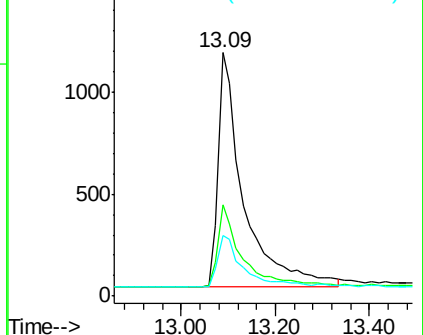
170 24.8 17.7 26.5

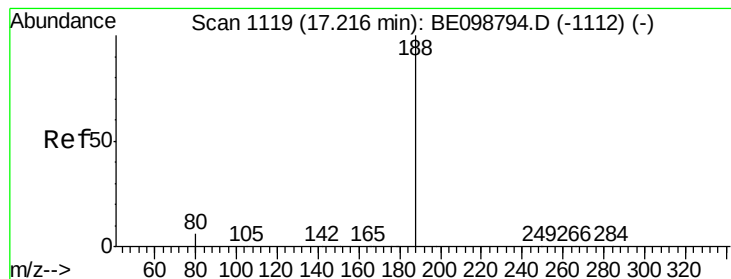


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

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ClientSampleId :

BPS1-TT-MW305D-20190312

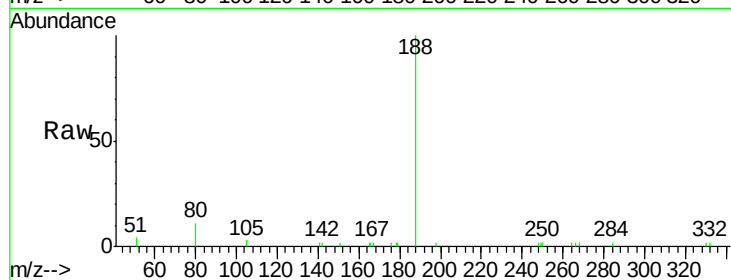
Tgt Ion:188 Resp: 5704

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

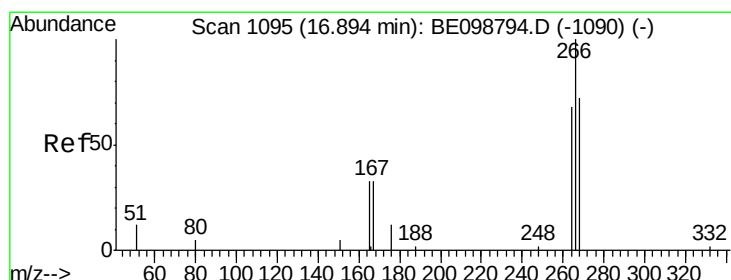
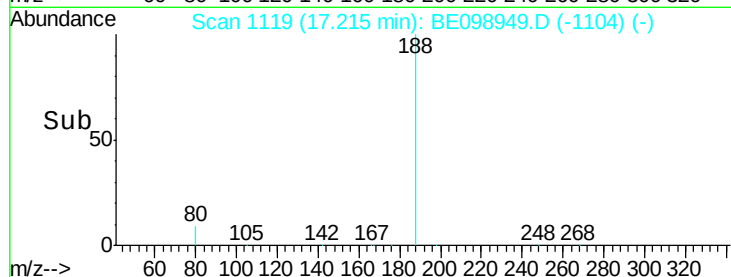
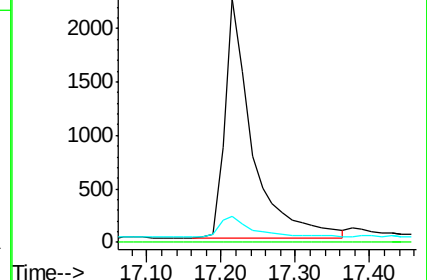
80 10.9 6.3 9.5#



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



#22

Pentachlorophenol

Concen: 0.269 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.03 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

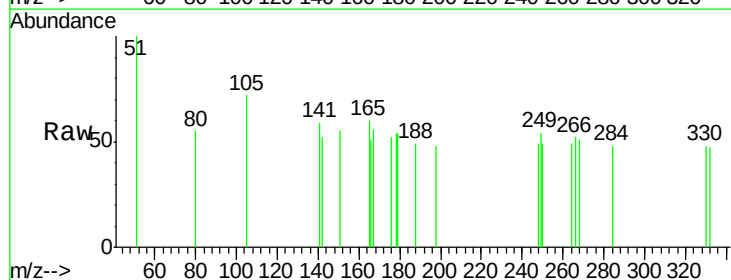
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 95.8 66.6 100.0

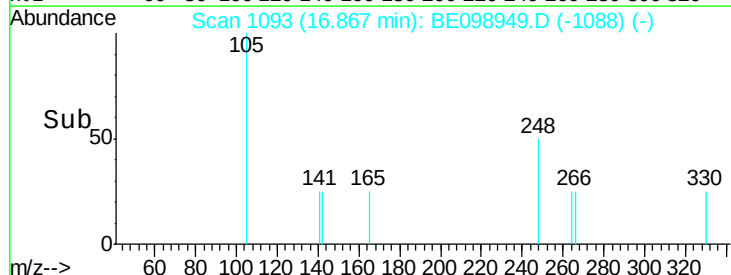
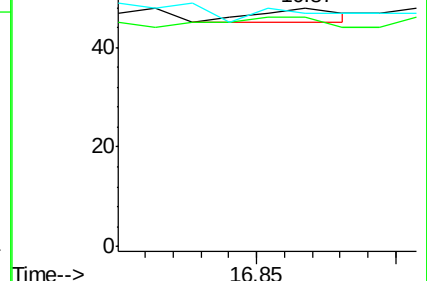
268 97.9 69.8 104.8



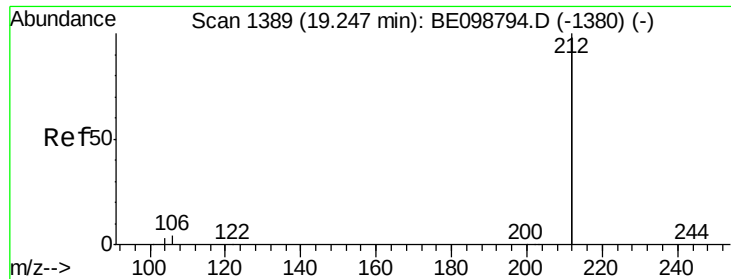
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E







#25

Fluoranthene-d10

Concen: 0.334 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW305D-20190312

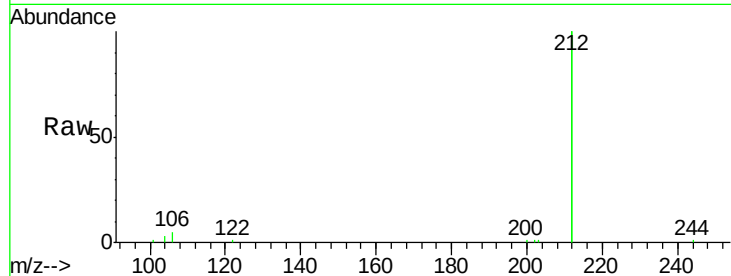
Tgt Ion:212 Resp: 30451

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

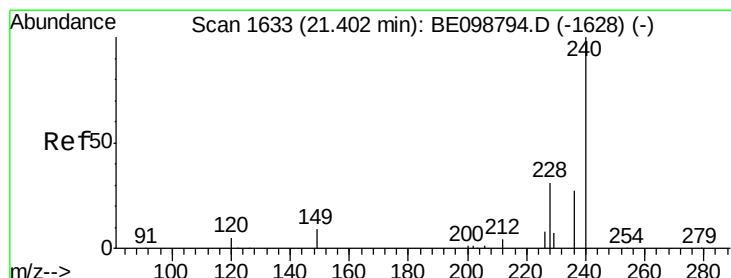
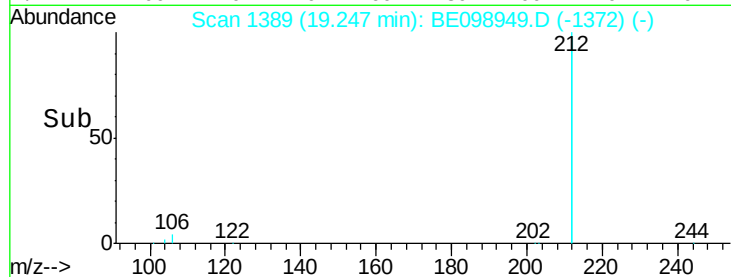
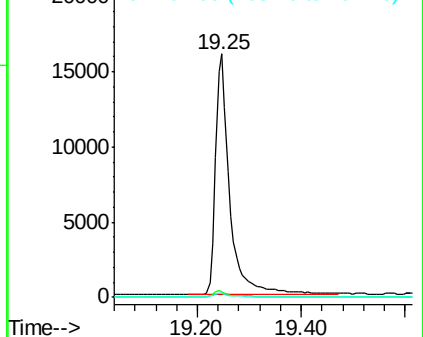
104 1.4 1.0 1.6



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: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE098949.D

Acq: 14 Mar 2019 18:40

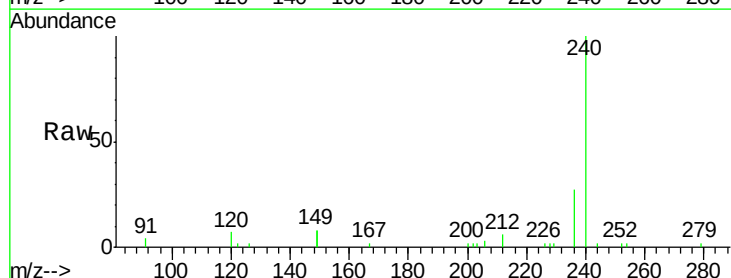
Tgt Ion:240 Resp: 6771

Ion Ratio Lower Upper

240 100

120 7.5 5.0 7.4#

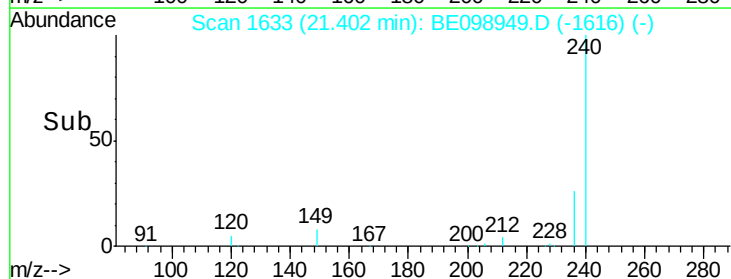
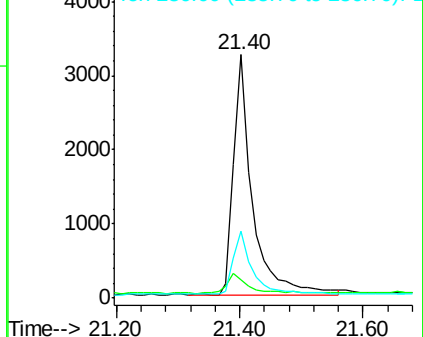
236 27.3 22.7 34.1

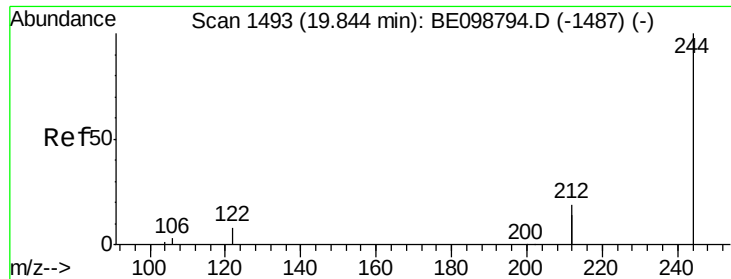


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

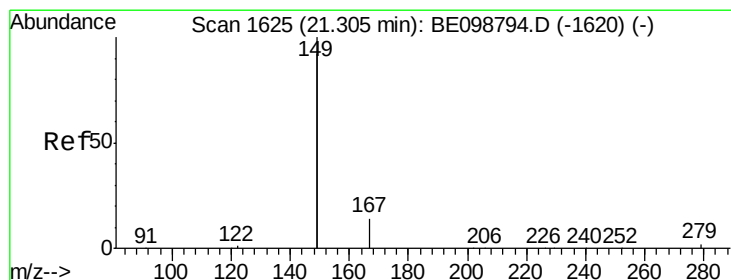
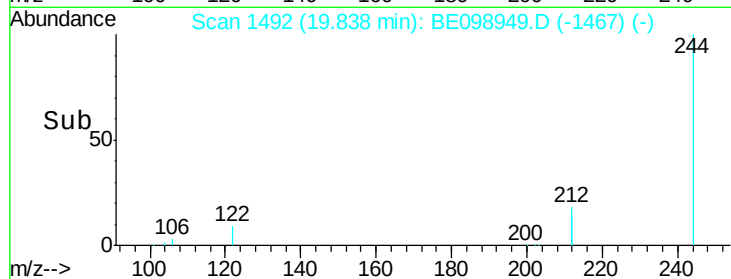
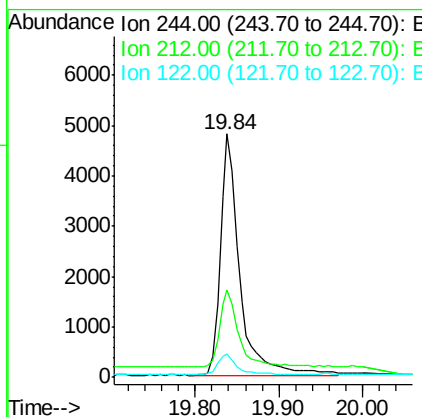
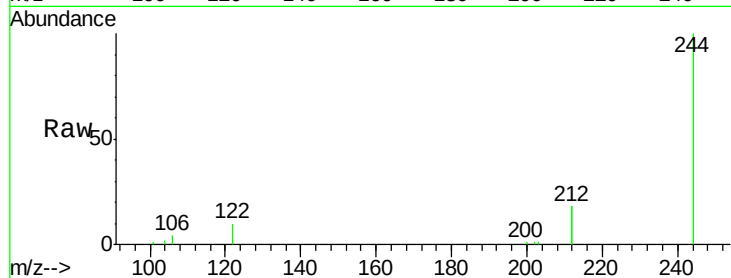




#29  
 Terphenyl-d14  
 Concen: 0.465 ng  
 RT: 19.84 min Scan# 1492  
 Delta R.T. -0.01 min  
 Lab File: BE098949.D  
 Acq: 14 Mar 2019 18:40

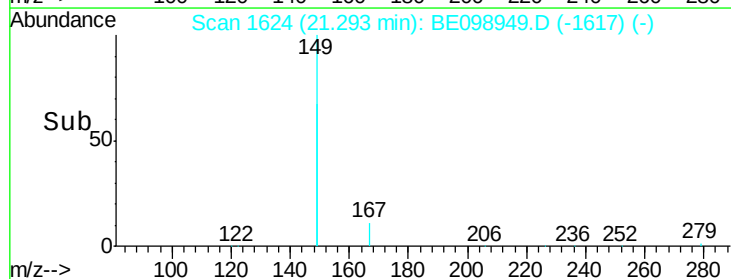
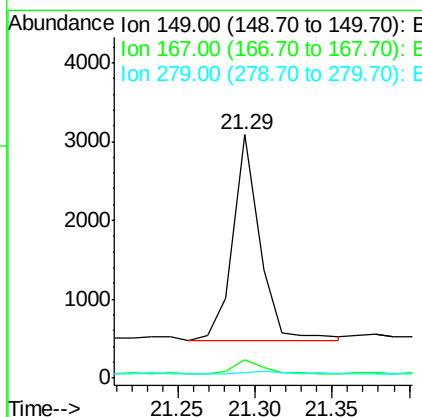
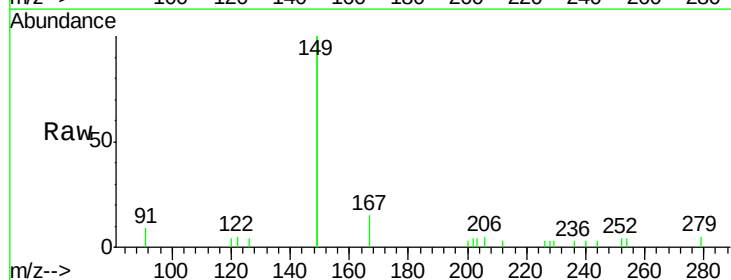
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW305D-20190312

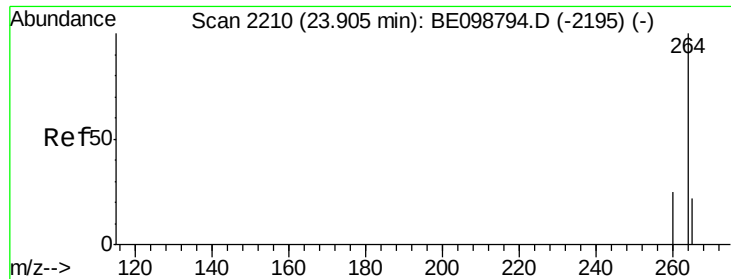
Tgt Ion: 244 Resp: 7654  
 Ion Ratio Lower Upper  
 244 100  
 212 36.2 29.4 44.2  
 122 9.9 7.1 10.7



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.070 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE098949.D  
 Acq: 14 Mar 2019 18:40

Tgt Ion: 149 Resp: 3149  
 Ion Ratio Lower Upper  
 149 100  
 167 7.2 5.4 8.0  
 279 1.9 1.0 1.4#

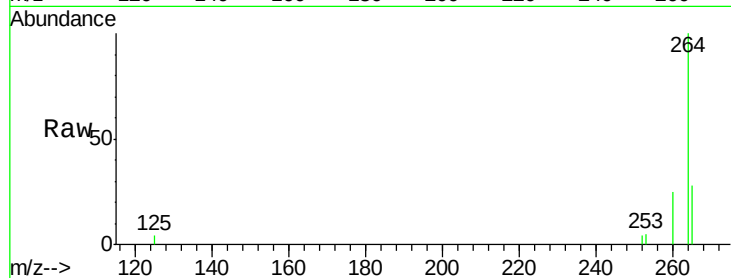




#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.90 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BE098949.D  
Acq: 14 Mar 2019 18:40

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW305D-20190312

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 6497  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.7  | 21.2  | 31.8  |
| 265      | 28.2  | 24.6  | 36.8  |



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

