

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE031919\  
 Data File : BE099050.D  
 Acq On : 20 Mar 2019 00:51  
 Operator : JU/SJ  
 Sample : K1965-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW312I-20190315

Quant Time: Mar 20 05:45:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 15 05:31:33 2019  
 Response via : Initial Calibration

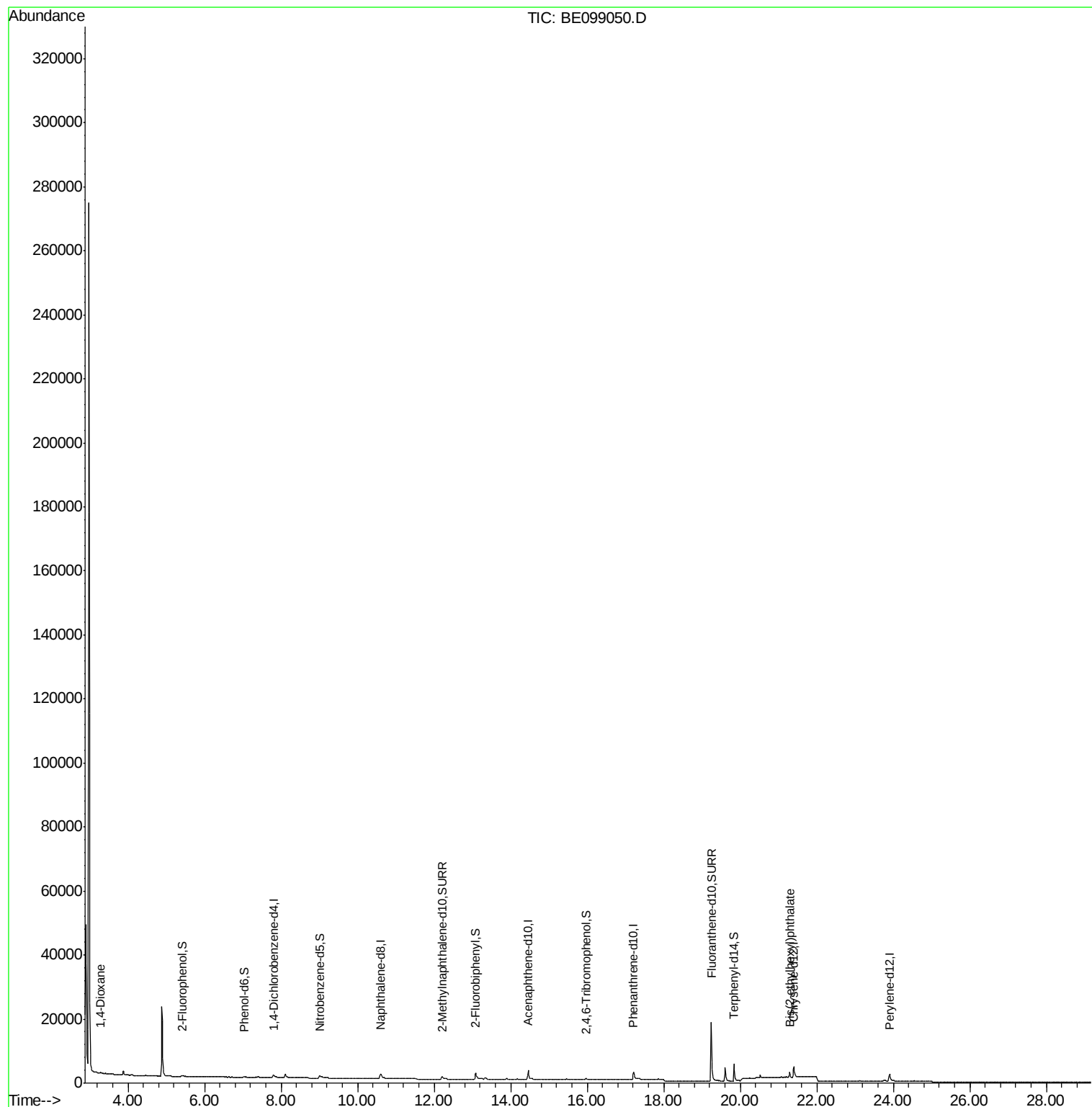
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 699      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 2927     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.46 | 164  | 2085     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.21 | 188  | 4700     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 5653     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.90 | 264  | 4995     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.41  | 112  | 394      | 0.19  | ng    | 0.03     |
| 5) Phenol-d6                   | 7.04  | 99   | 205      | 0.07  | ng    | 0.05     |
| 8) Nitrobenzene-d5             | 9.00  | 82   | 1153     | 0.38  | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2267     | 0.42  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 402      | 0.38  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 3936     | 0.46  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.24 | 212  | 32640    | 0.44  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.83 | 244  | 6316     | 0.46  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.28  | 88   | 206      | 0.087 | ng    | # 58     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2057     | 0.055 | ng    | # 98     |

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

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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW312I-20190315

Quant Time: Mar 20 05:45:44 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE030619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 15 05:31:33 2019  
Response via : Initial Calibration



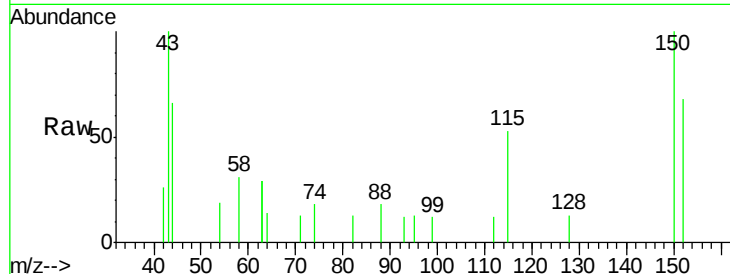


#1

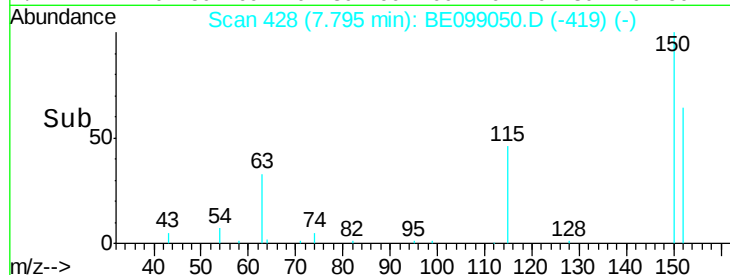
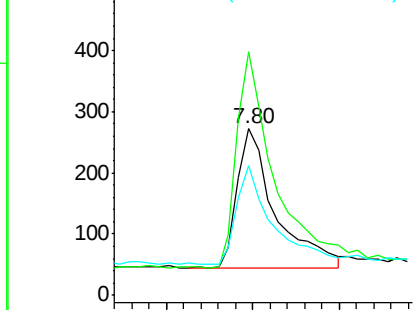
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BE099050.D  
Acq: 20 Mar 2019 00:51

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW312I-20190315

Tgt Ion: 152 Resp: 699  
Ion Ratio Lower Upper  
152 100  
150 146.3 122.5 183.7  
115 77.9 57.4 86.2



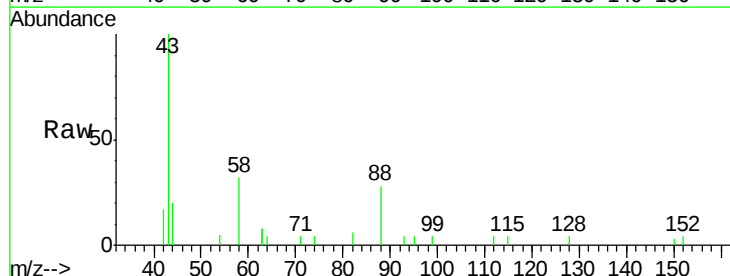
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



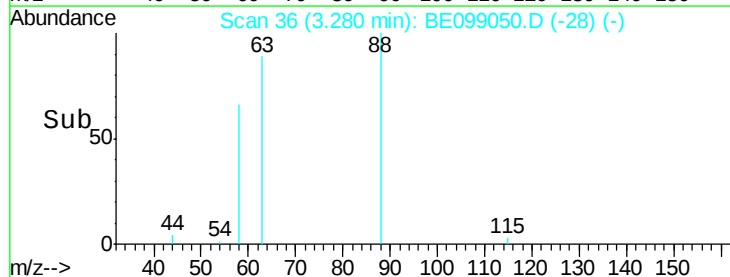
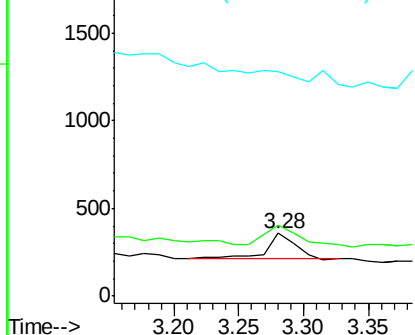
#2

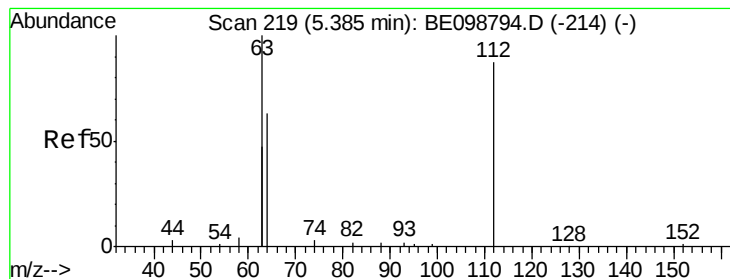
1,4-Dioxane  
Concen: 0.087 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE099050.D  
Acq: 20 Mar 2019 00:51

Tgt Ion: 88 Resp: 206  
Ion Ratio Lower Upper  
88 100  
58 118.4 75.8 113.6#  
43 0.0 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





#4

2-Fluorophenol

Concen: 0.189 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.03 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312I-20190315

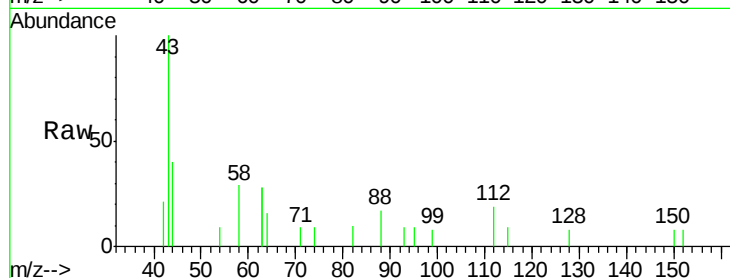
Tgt Ion: 112 Resp: 394

Ion Ratio Lower Upper

112 100

64 84.8 57.9 86.9

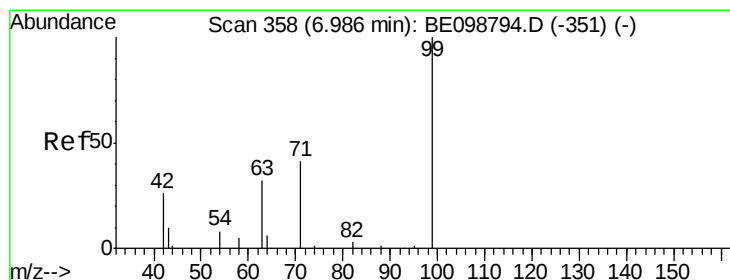
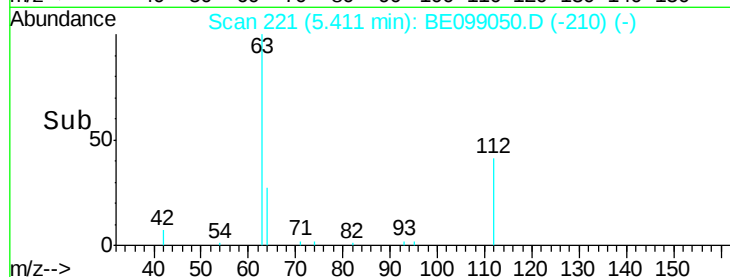
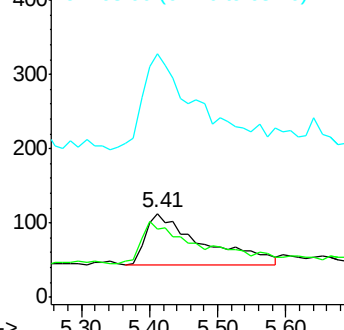
63 179.2 158.3 237.5



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: 0.069 ng

RT: 7.04 min Scan# 362

Delta R.T. 0.05 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

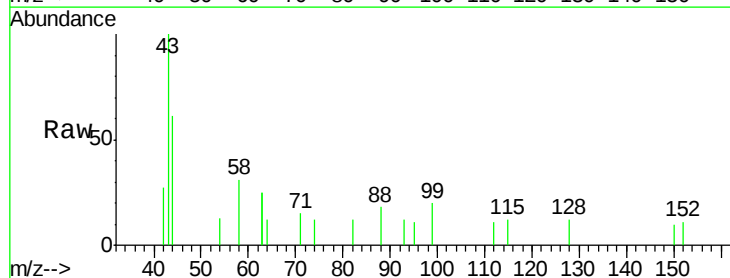
Tgt Ion: 99 Resp: 205

Ion Ratio Lower Upper

99 100

42 30.2 24.2 36.2

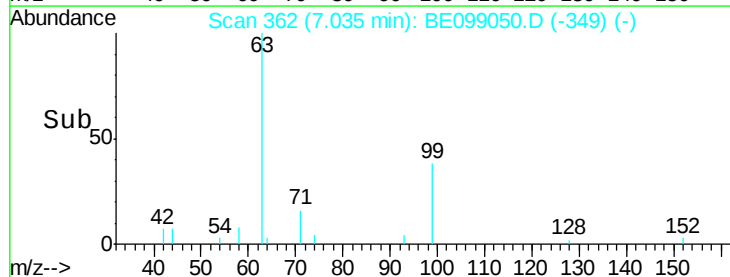
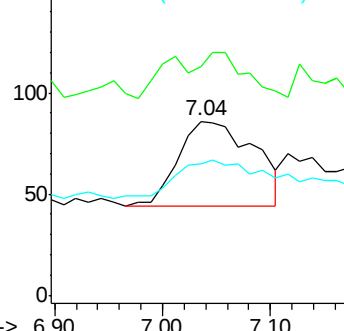
71 71.2 35.7 53.5#



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: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312I-20190315

Tgt Ion: 136 Resp: 2927

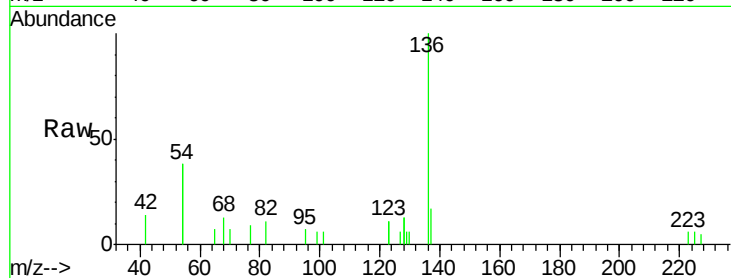
Ion Ratio Lower Upper

136 100

137 17.1 11.4 17.0#

54 75.7 39.3 58.9#

68 12.9 6.7 10.1#

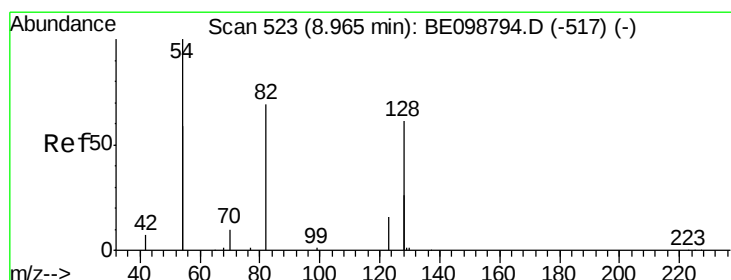
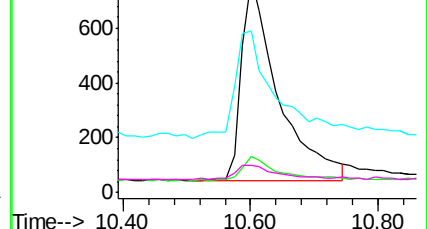
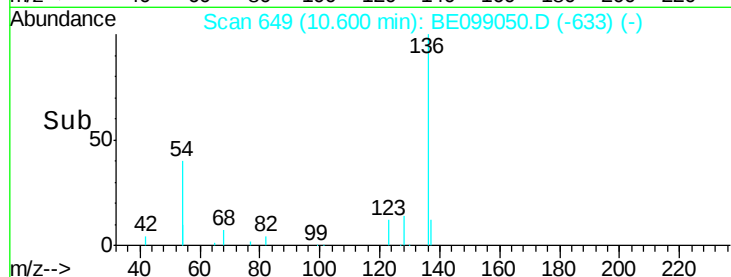


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

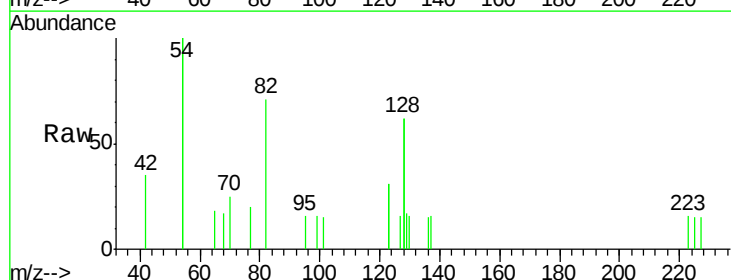
Tgt Ion: 82 Resp: 1153

Ion Ratio Lower Upper

82 100

128 173.3 123.8 185.8

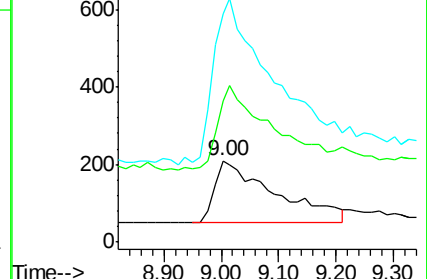
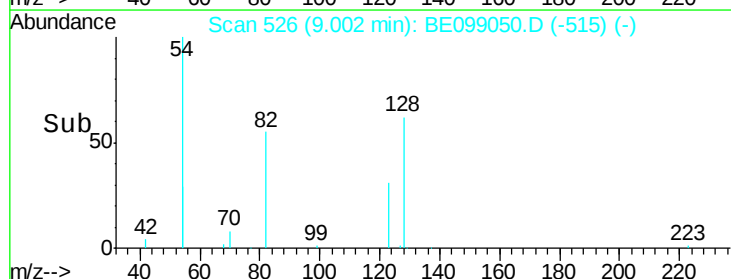
54 281.0 203.4 305.2



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: 0.419 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

BNA\_E

ClientSampleId :

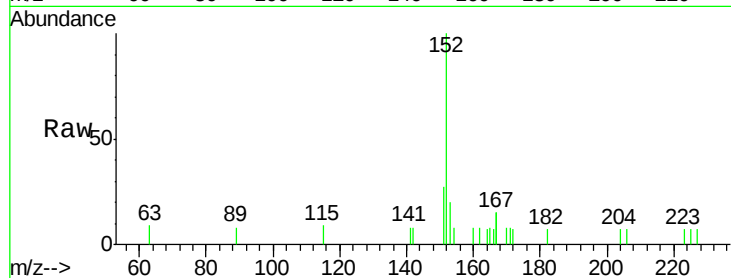
BPS1-TT-MW312I-20190315

Tgt Ion:152 Resp: 2267

Ion Ratio Lower Upper

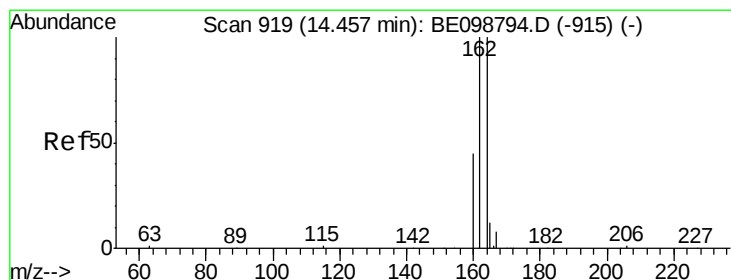
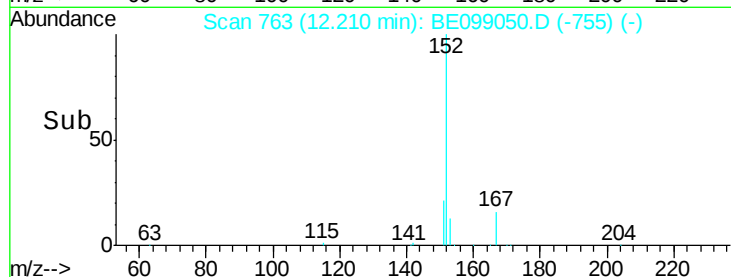
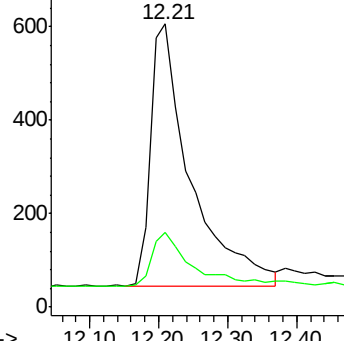
152 100

151 21.2 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: BE099050.D

Acq: 20 Mar 2019 00:51

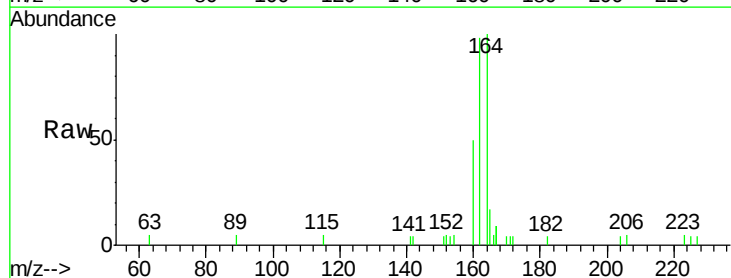
Tgt Ion:164 Resp: 2085

Ion Ratio Lower Upper

164 100

162 98.5 80.2 120.2

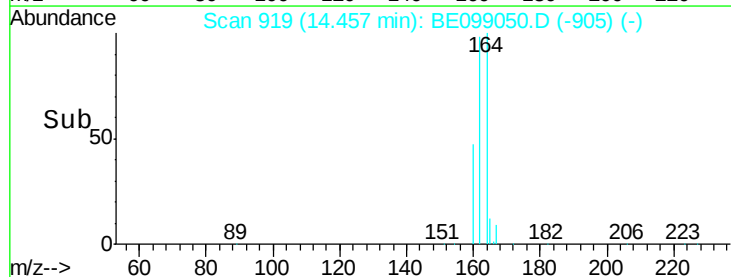
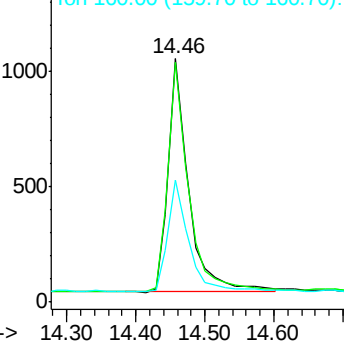
160 50.0 37.8 56.8



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: 0.382 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312I-20190315

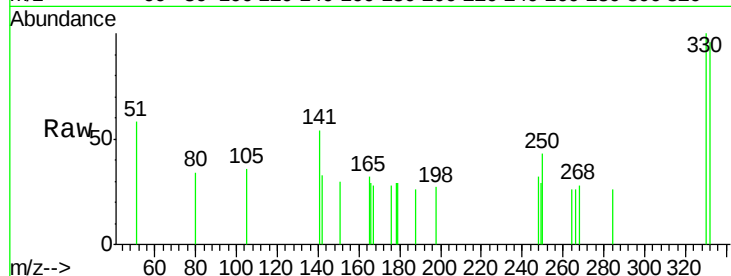
Tgt Ion:330 Resp: 402

Ion Ratio Lower Upper

330 100

332 99.0 77.6 116.4

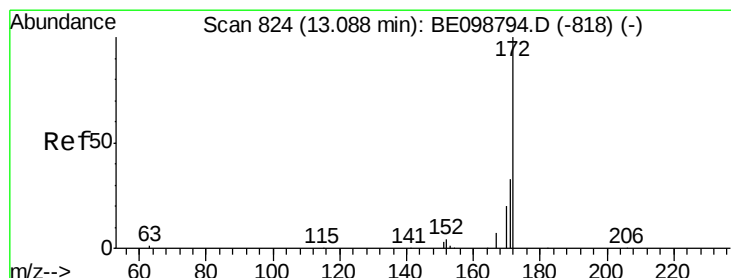
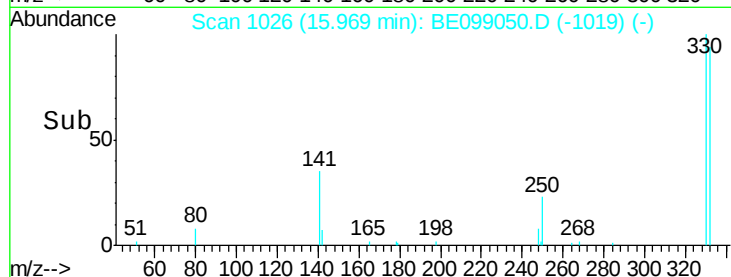
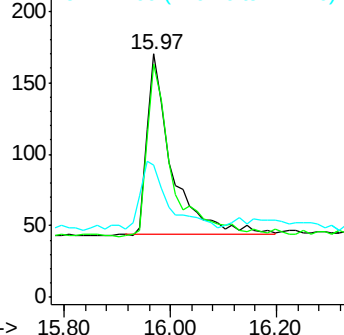
141 41.8 31.0 46.4



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: 0.456 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

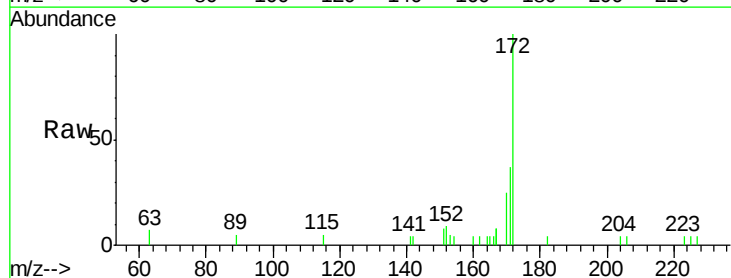
Tgt Ion:172 Resp: 3936

Ion Ratio Lower Upper

172 100

171 36.8 28.0 42.0

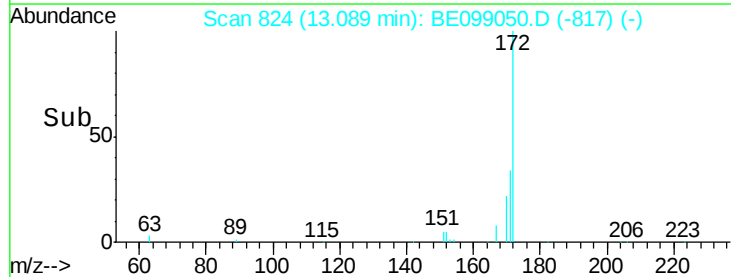
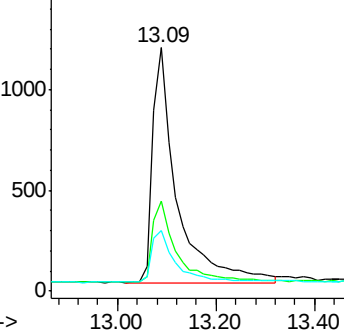
170 25.0 17.7 26.5



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

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ClientSampleId :

BPS1-TT-MW312I-20190315

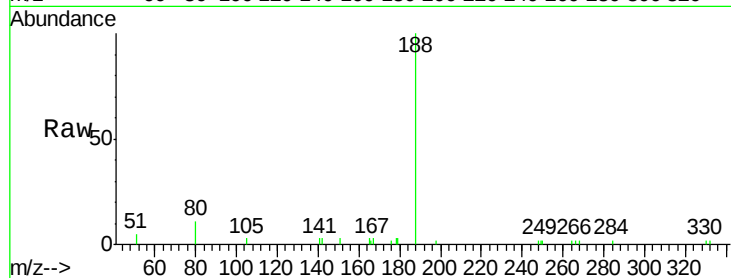
Tgt Ion:188 Resp: 4700

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

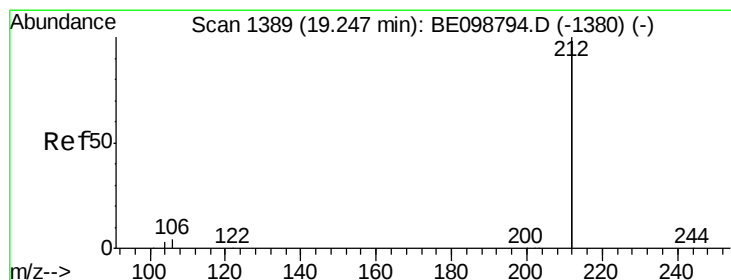
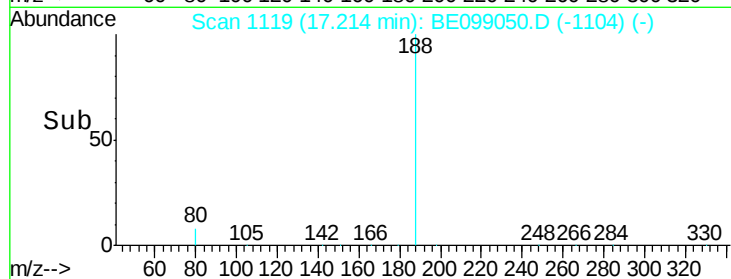
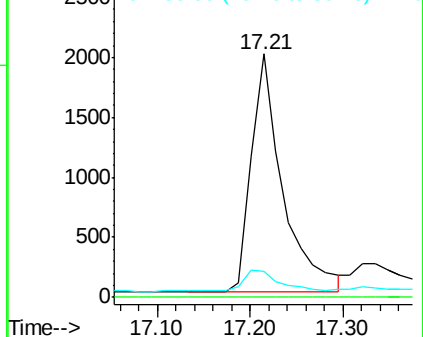
80 10.7 6.3 9.5#



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



#25

Fluoranthene-d10

Concen: 0.435 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

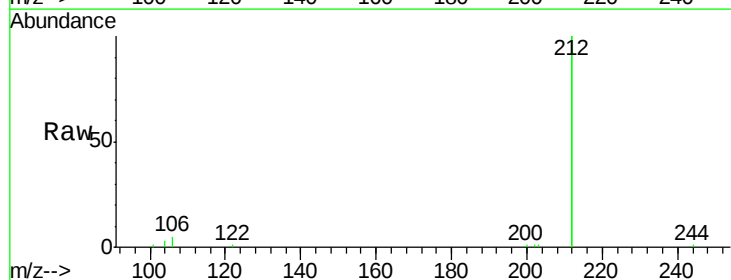
Tgt Ion:212 Resp: 32640

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

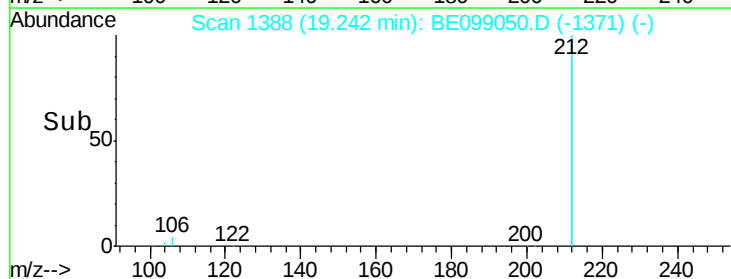
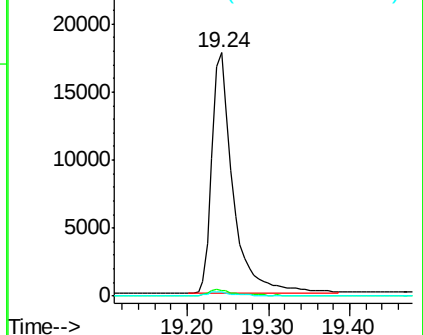
104 1.4 1.0 1.6



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: BE099050.D

Acq: 20 Mar 2019 00:51

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312I-20190315

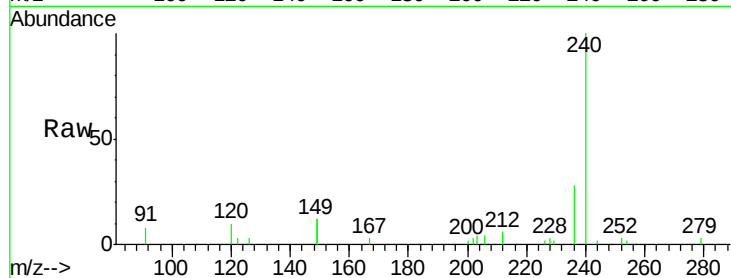
Tgt Ion:240 Resp: 5653

Ion Ratio Lower Upper

240 100

120 9.8 5.0 7.4#

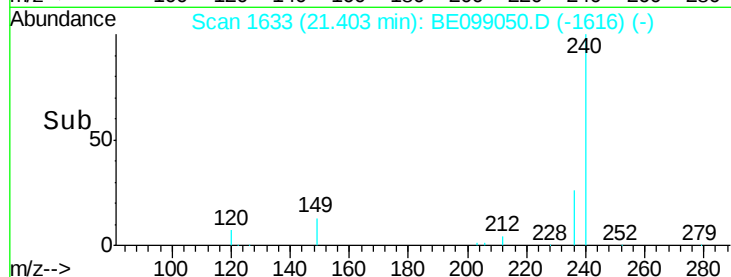
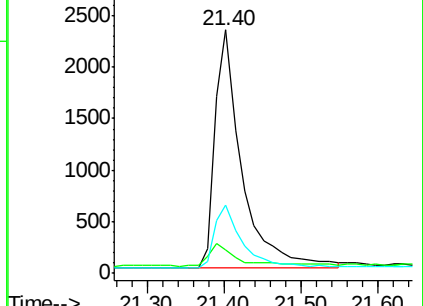
236 28.0 22.7 34.1



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: 0.460 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099050.D

Acq: 20 Mar 2019 00:51

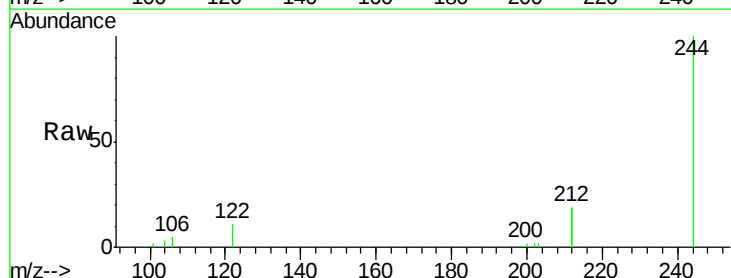
Tgt Ion:244 Resp: 6316

Ion Ratio Lower Upper

244 100

212 38.6 29.4 44.2

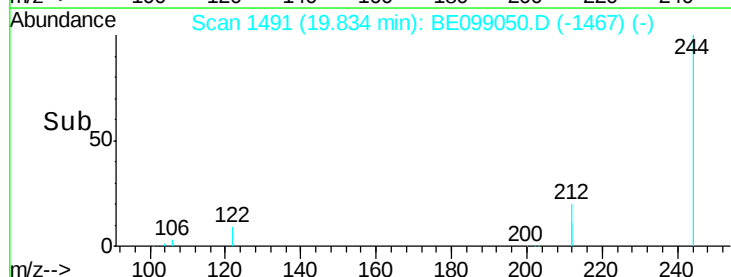
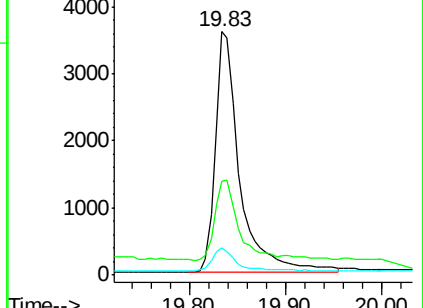
122 11.0 7.1 10.7#



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

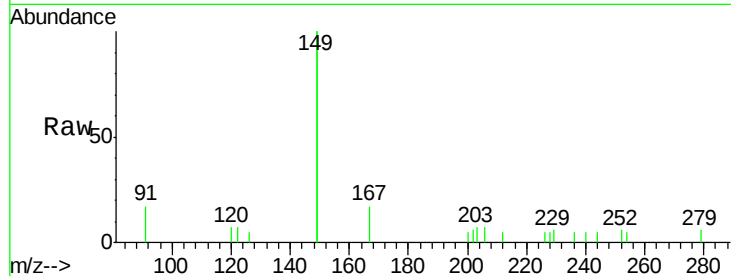




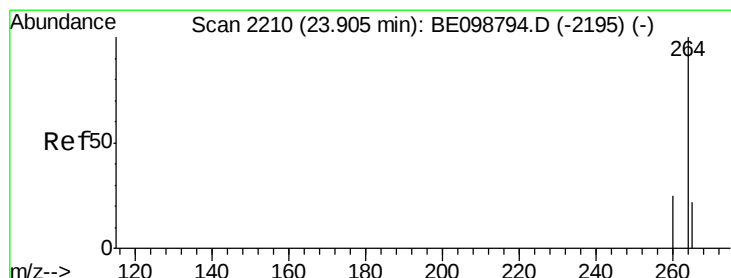
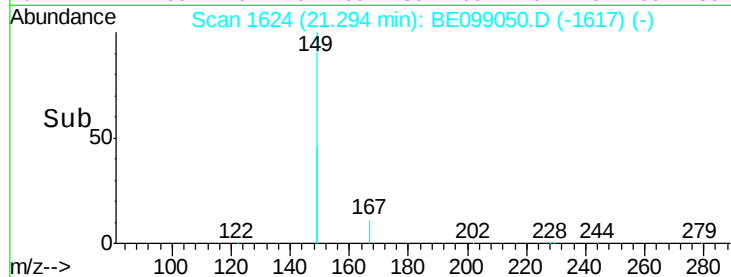
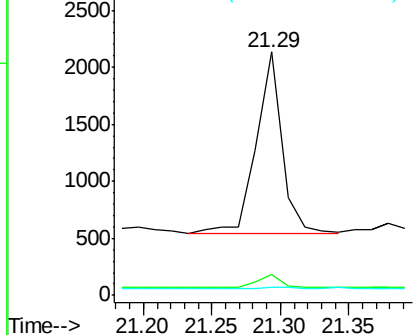
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.055 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE099050.D  
 Acq: 20 Mar 2019 00:51

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW312I-20190315

Tgt Ion:149 Resp: 2057  
 Ion Ratio Lower Upper  
 149 100  
 167 7.4 5.4 8.0  
 279 1.6 1.0 1.4#

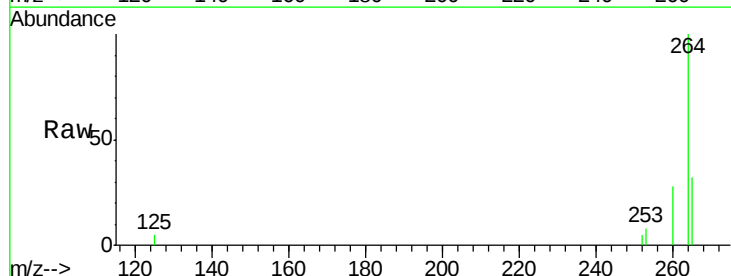


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.90 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BE099050.D  
 Acq: 20 Mar 2019 00:51

Tgt Ion:264 Resp: 4995  
 Ion Ratio Lower Upper  
 264 100  
 260 28.5 21.2 31.8  
 265 32.4 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

