

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE031919\  
 Data File : BE099055.D  
 Acq On : 20 Mar 2019 4:00  
 Operator : JU/SJ  
 Sample : K1965-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW30212-20190315

Quant Time: Mar 20 05:51:08 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 | 7.79  | 152  | 674      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 3079     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2219     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 5166     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 6364     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.89 | 264  | 5897     | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.42  | 112  | 234      | 0.12 | ng    | 0.03     |
| 5) Phenol-d6                | 7.03  | 99   | 138      | 0.05 | ng    | 0.05     |
| 8) Nitrobenzene-d5          | 9.02  | 82   | 1069     | 0.33 | ng    | 0.05     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 1982     | 0.35 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 372      | 0.33 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 3617     | 0.39 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 30701    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 5640     | 0.36 | ng    | -0.01    |

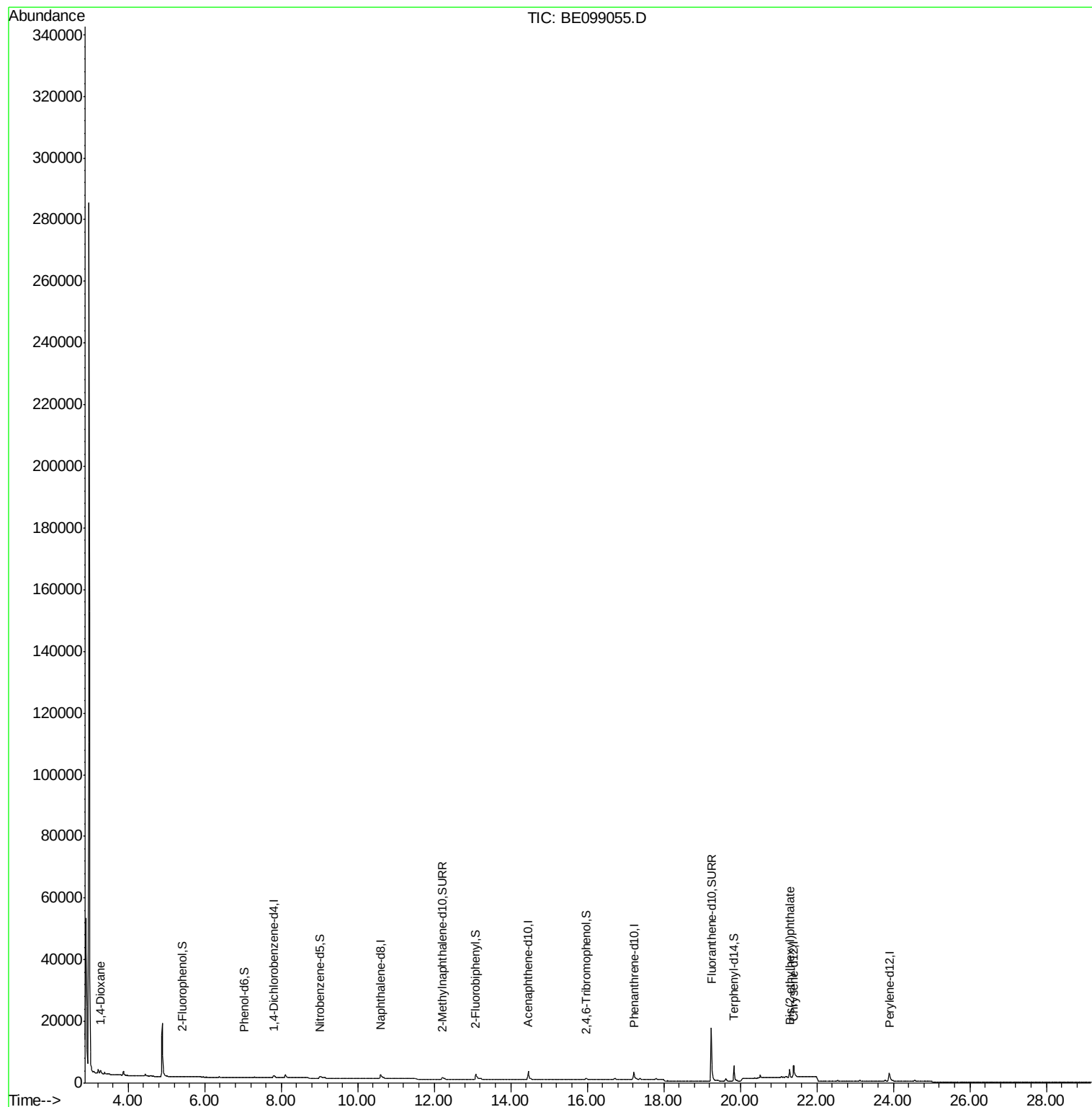
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88   | 772      | 0.640 | ng    | # 71   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 3136     | 0.074 | ng    | # 98   |

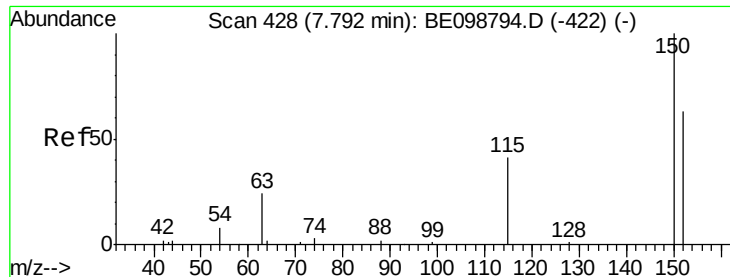
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE031919\  
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Sample : K1965-12  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW30212-20190315

Quant Time: Mar 20 05:51:08 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: 7.79 min Scan# 428

Delta R.T. -0.00 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW30212-20190315

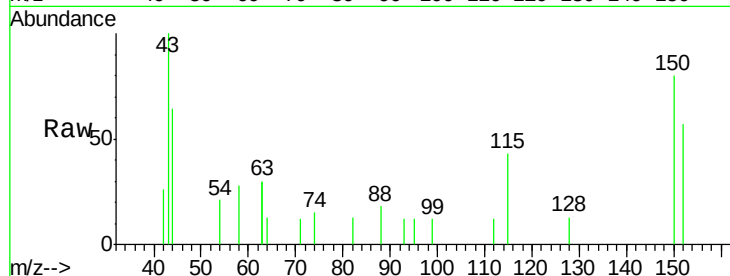
Tgt Ion: 152 Resp: 674

Ion Ratio Lower Upper

152 100

150 140.5 122.5 183.7

115 74.6 57.4 86.2



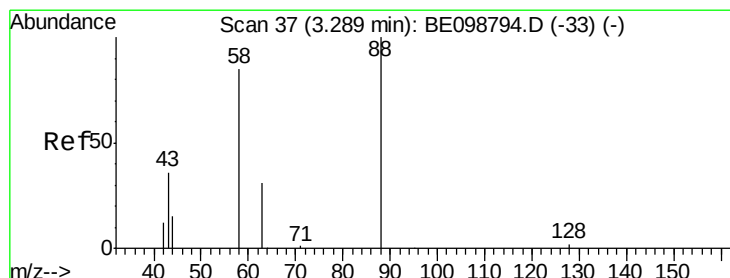
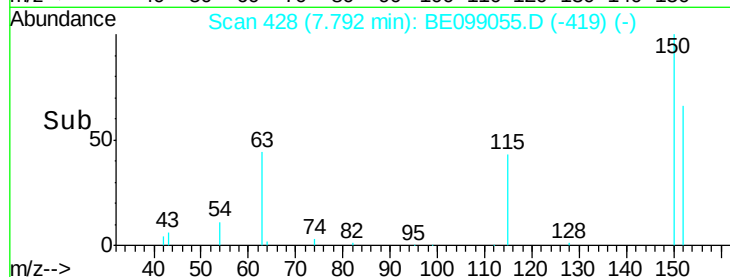
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.79

Time-->



#2

1,4-Dioxane

Concen: 0.640 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

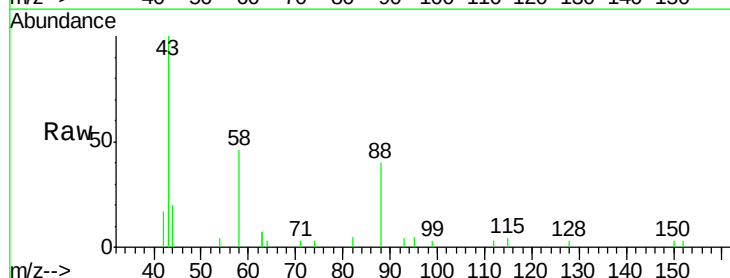
Tgt Ion: 88 Resp: 772

Ion Ratio Lower Upper

88 100

58 87.8 75.8 113.6

43 100.4 41.8 62.8#



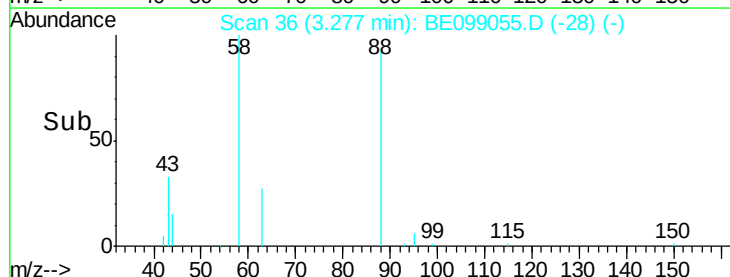
Abundance Ion 88.00 (87.70 to 88.70): BE0

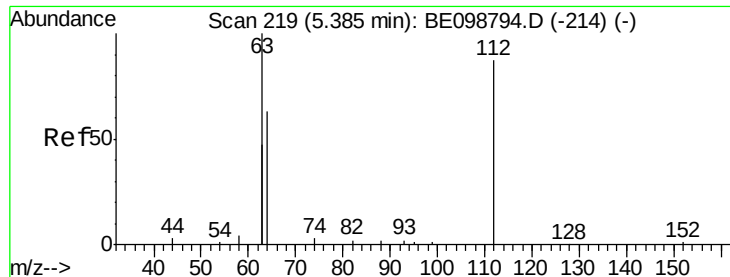
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.28

Time-->





#4

2-Fluorophenol

Concen: 0.116 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.03 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW30212-20190315

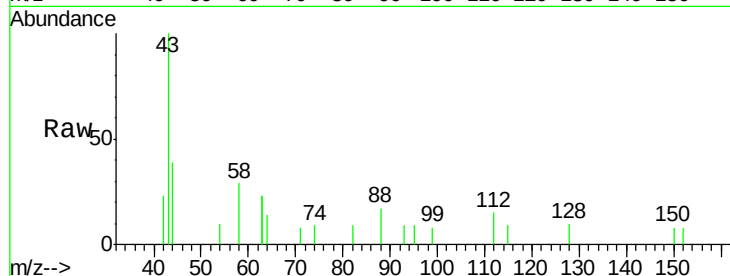
Tgt Ion: 112 Resp: 234

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

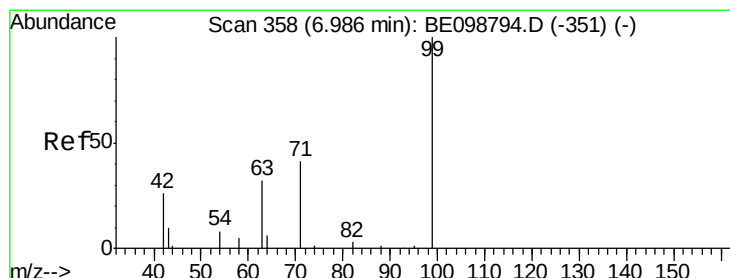
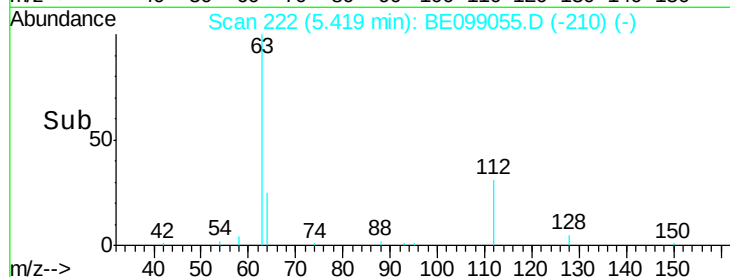
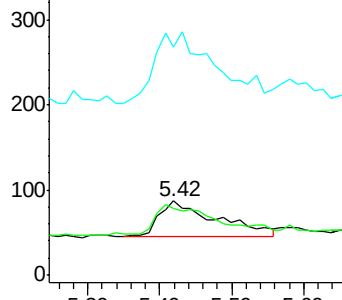
63 208.5 158.3 237.5



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: 0.048 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.05 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

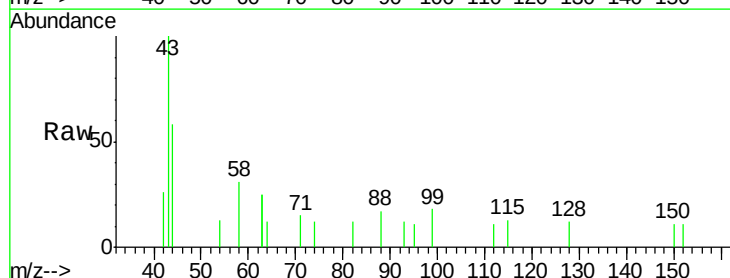
Tgt Ion: 99 Resp: 138

Ion Ratio Lower Upper

99 100

42 39.9 24.2 36.2#

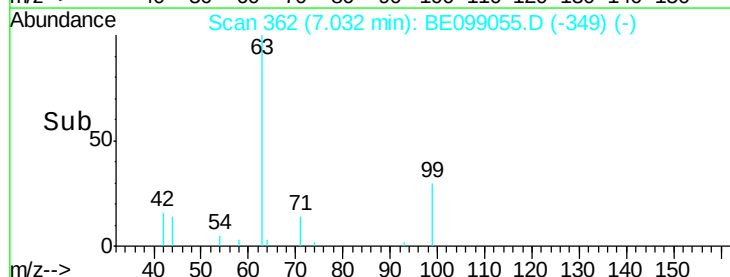
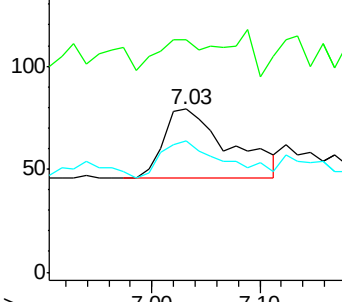
71 46.4 35.7 53.5

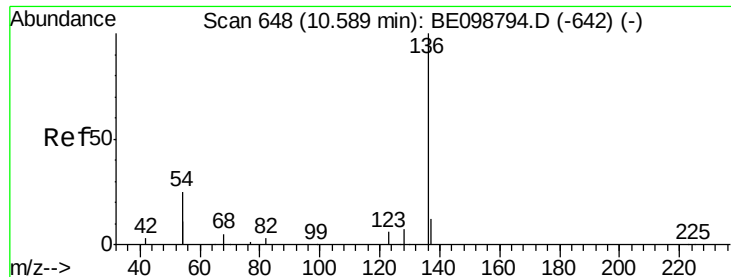


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW30212-20190315

Tgt Ion: 136 Resp: 3079

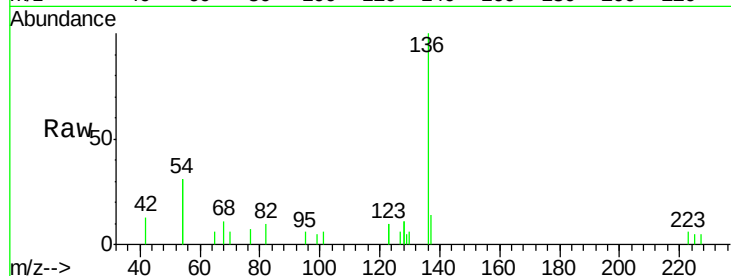
Ion Ratio Lower Upper

136 100

137 14.3 11.4 17.0

54 62.8 39.3 58.9#

68 11.4 6.7 10.1#

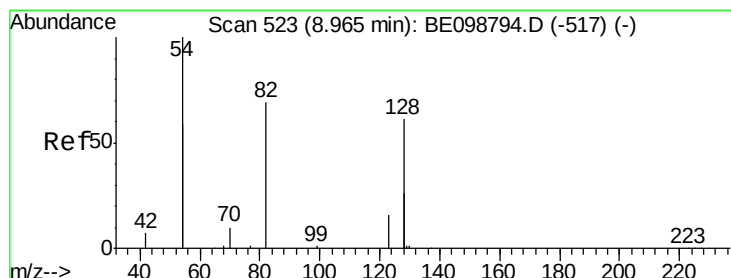
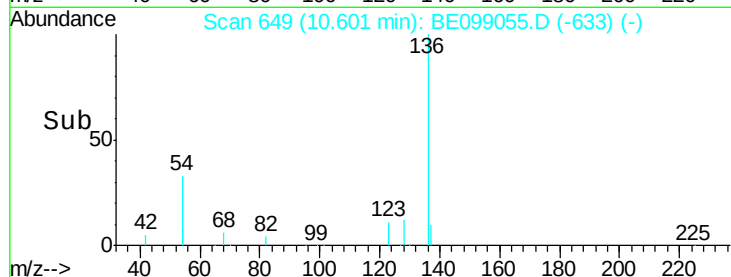
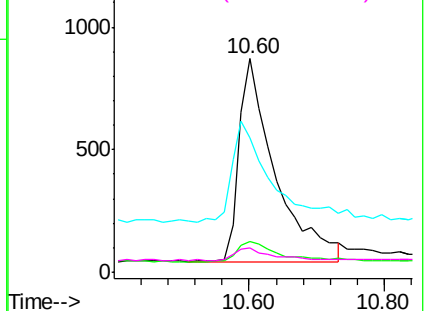


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.331 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.05 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

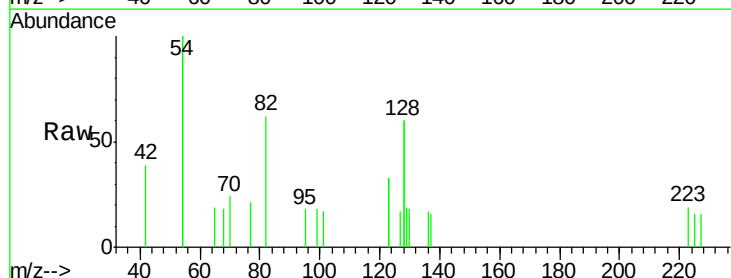
Tgt Ion: 82 Resp: 1069

Ion Ratio Lower Upper

82 100

128 194.1 123.8 185.8#

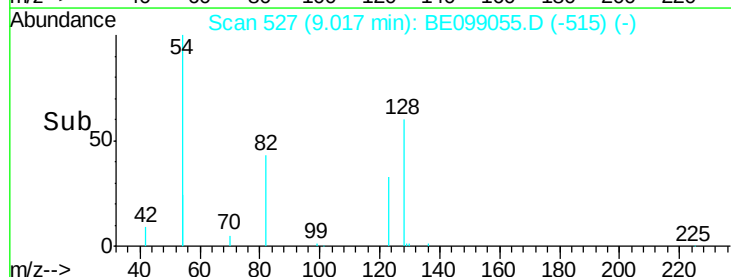
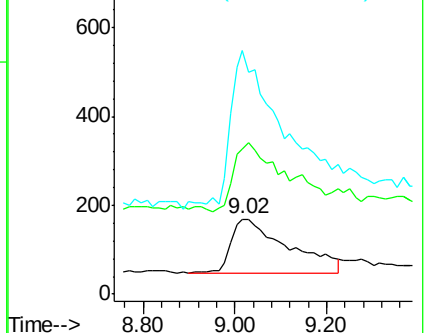
54 324.3 203.4 305.2#

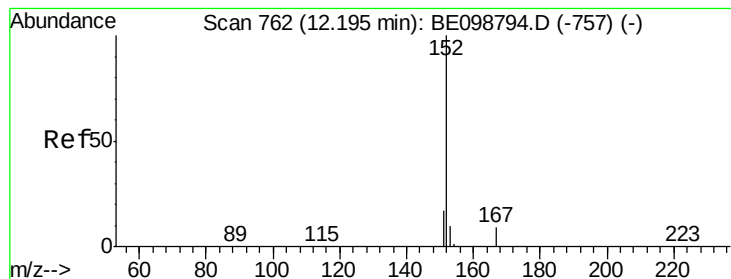


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

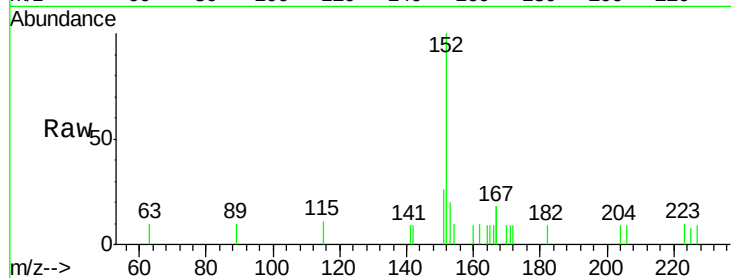
BPS1-TT-MW30212-20190315

Tgt Ion:152 Resp: 1982

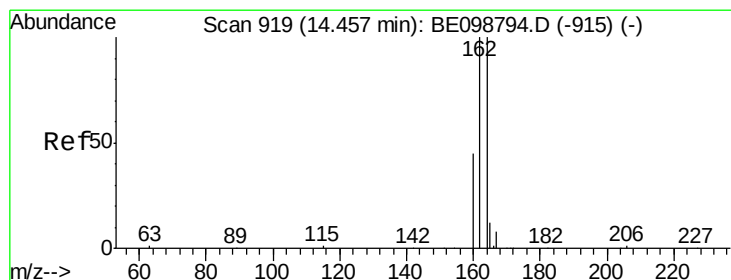
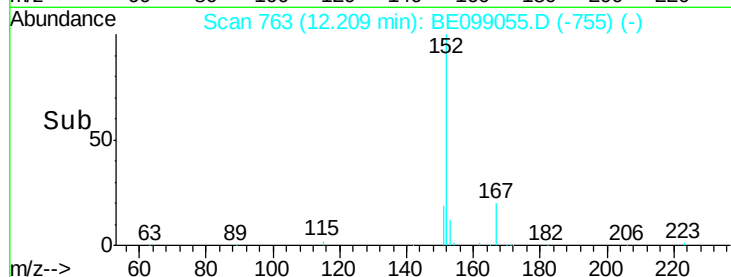
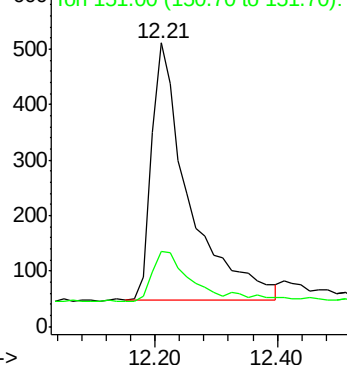
Ion Ratio Lower Upper

152 100

151 18.7 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

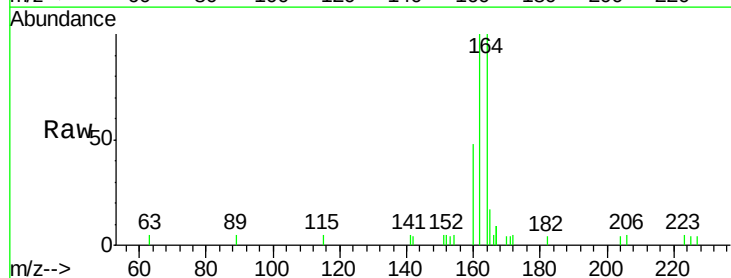
Tgt Ion:164 Resp: 2219

Ion Ratio Lower Upper

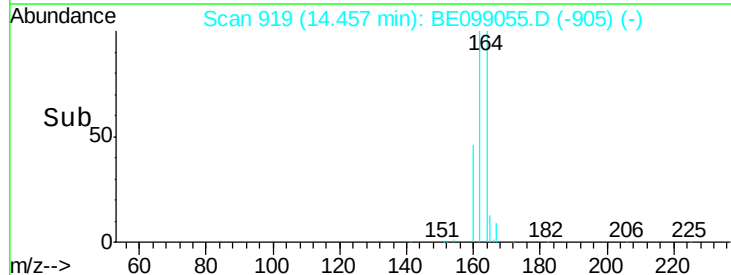
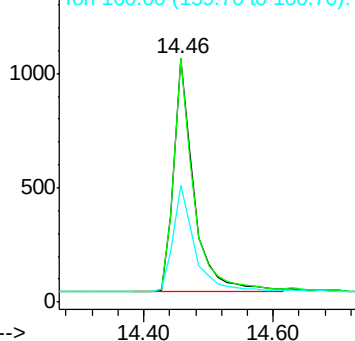
164 100

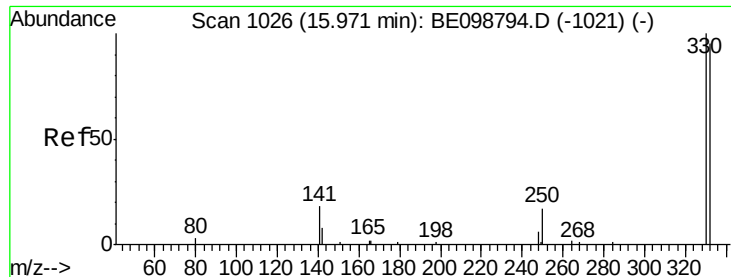
162 100.1 80.2 120.2

160 48.1 37.8 56.8



Abundance Ion 164.00 (163.70 to 164.70): E





#14

2,4,6-Tribromophenol

Concen: 0.332 ng

RT: 15.97 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW30212-20190315

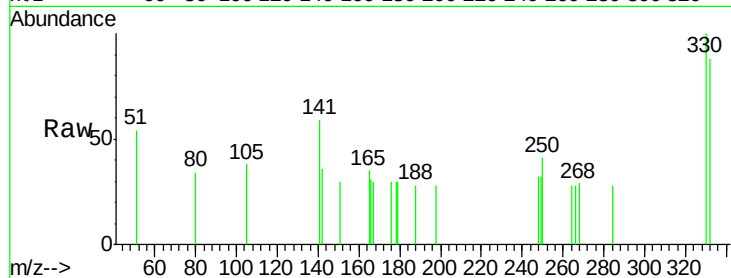
Tgt Ion:330 Resp: 372

Ion Ratio Lower Upper

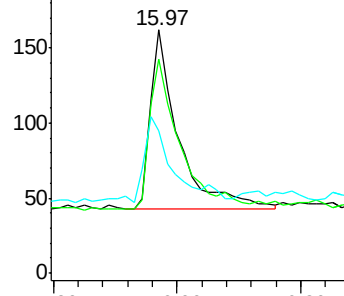
330 100

332 89.5 77.6 116.4

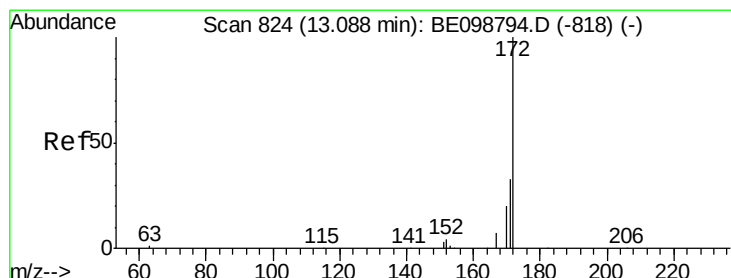
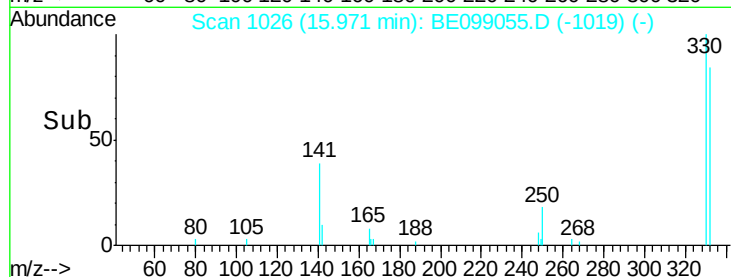
141 41.9 31.0 46.4



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



Time--> 15.80 16.00 16.20



#15

2-Fluorobiphenyl

Concen: 0.394 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

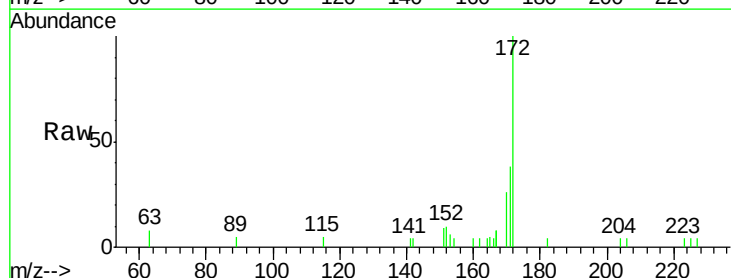
Tgt Ion:172 Resp: 3617

Ion Ratio Lower Upper

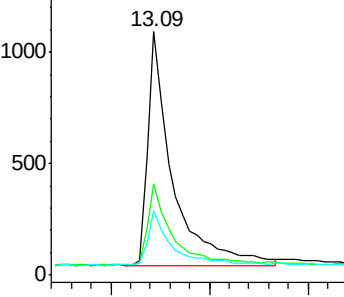
172 100

171 37.6 28.0 42.0

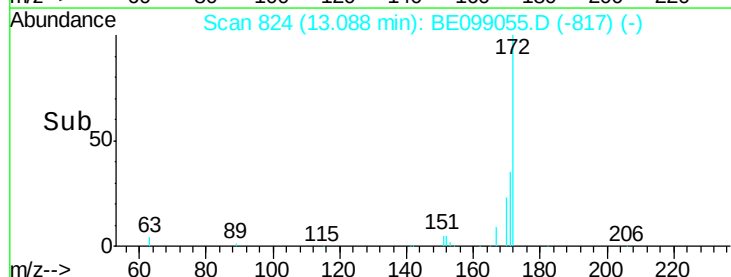
170 26.4 17.7 26.5

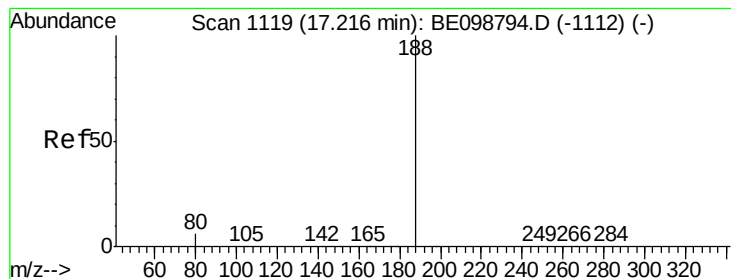


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



Time--> 13.00 13.20 13.40





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW30212-20190315

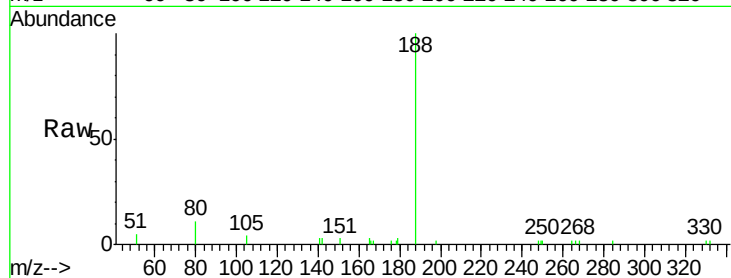
Tgt Ion:188 Resp: 5166

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

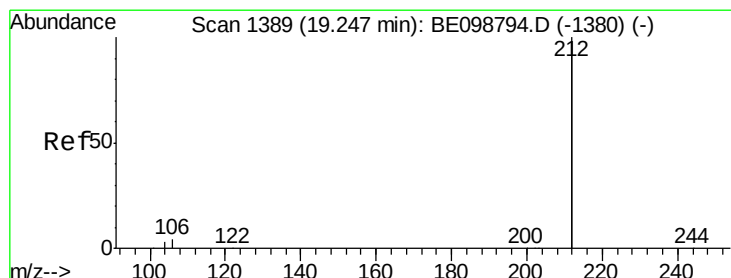
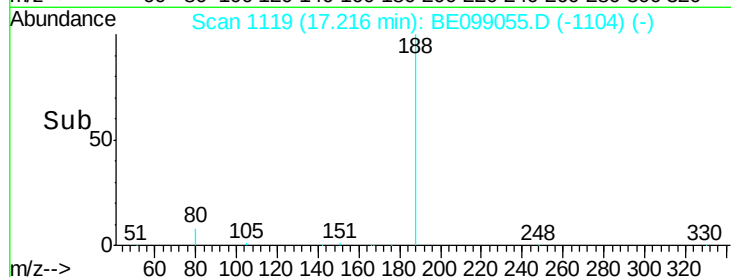
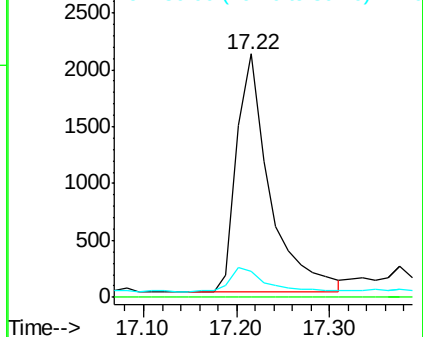
80 10.8 6.3 9.5#



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: 0.372 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099055.D

Acq: 20 Mar 2019 4:00

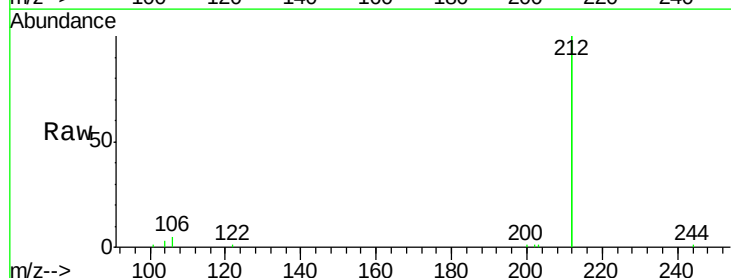
Tgt Ion:212 Resp: 30701

Ion Ratio Lower Upper

212 100

106 2.5 1.8 2.8

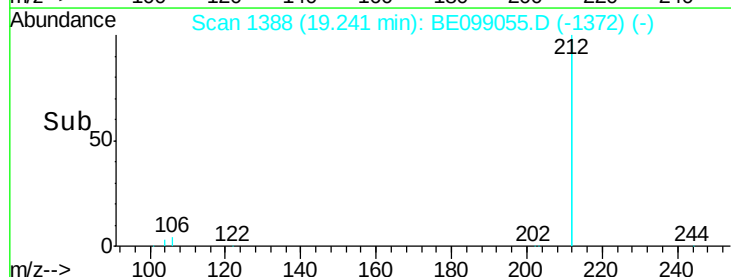
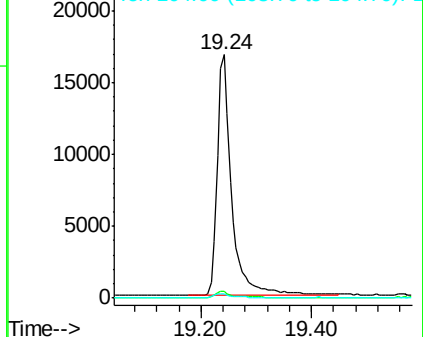
104 1.4 1.0 1.6



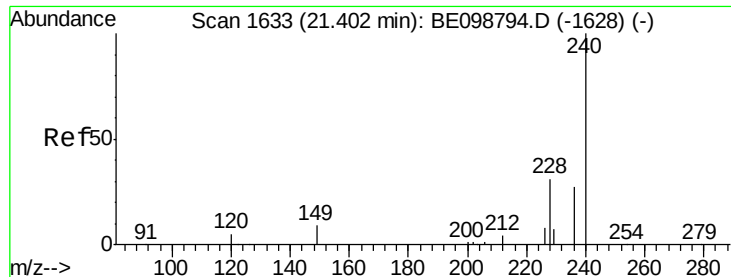
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



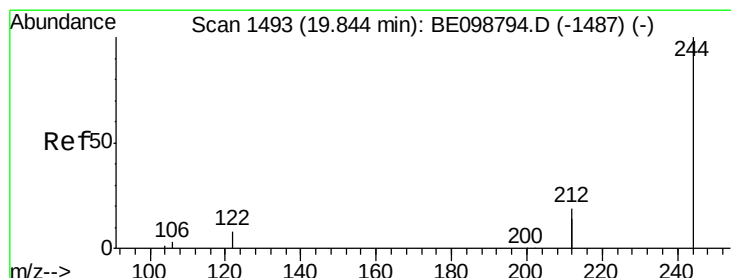
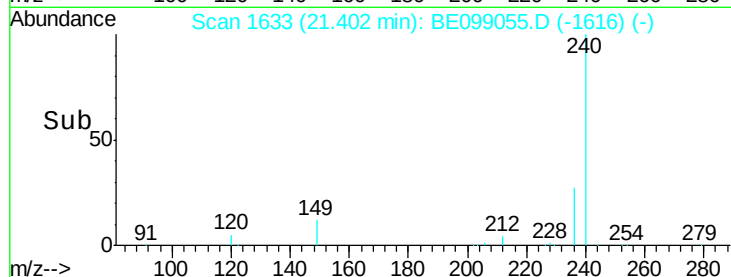
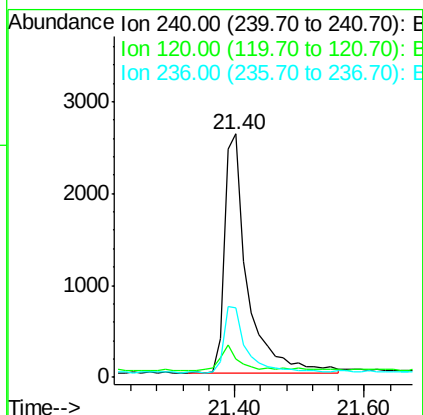
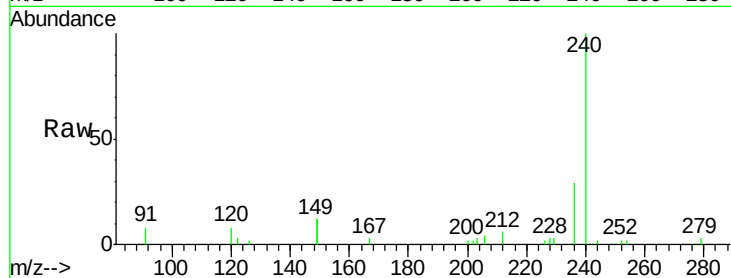




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. -0.00 min  
 Lab File: BE099055.D  
 Acq: 20 Mar 2019 4:00

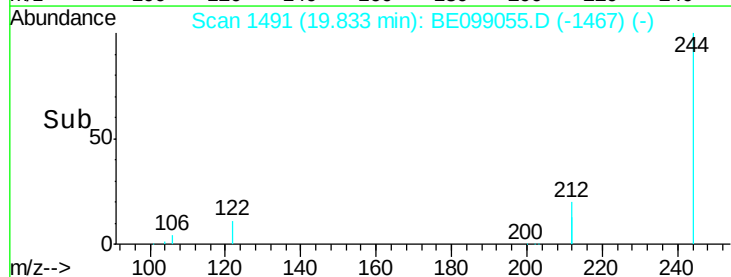
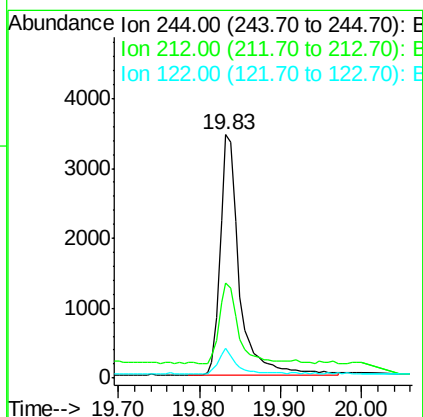
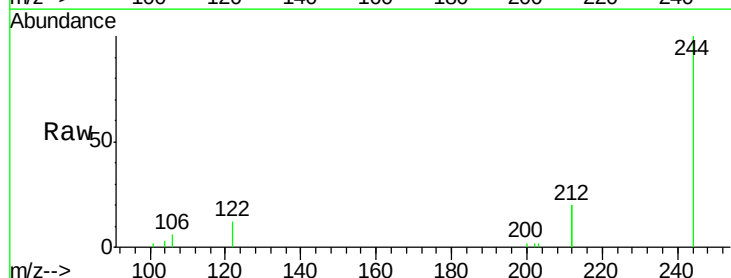
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW30212-20190315

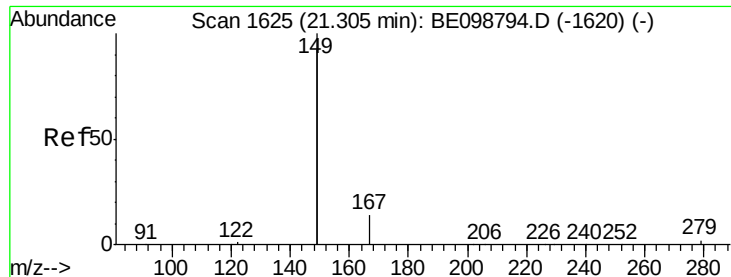
Tgt Ion:240 Resp: 6364  
 Ion Ratio Lower Upper  
 240 100  
 120 7.6 5.0 7.4#  
 236 28.5 22.7 34.1



#29  
 Terphenyl-d14  
 Concen: 0.365 ng  
 RT: 19.83 min Scan# 1491  
 Delta R.T. -0.01 min  
 Lab File: BE099055.D  
 Acq: 20 Mar 2019 4:00

Tgt Ion:244 Resp: 5640  
 Ion Ratio Lower Upper  
 244 100  
 212 39.3 29.4 44.2  
 122 12.3 7.1 10.7#

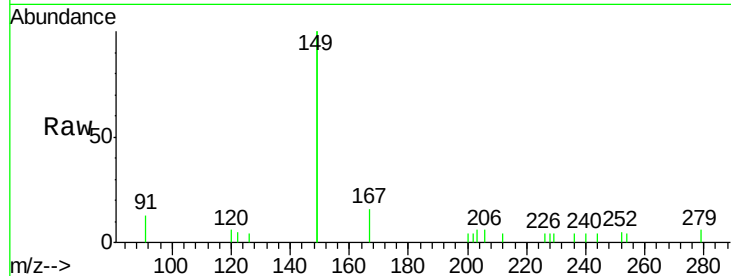




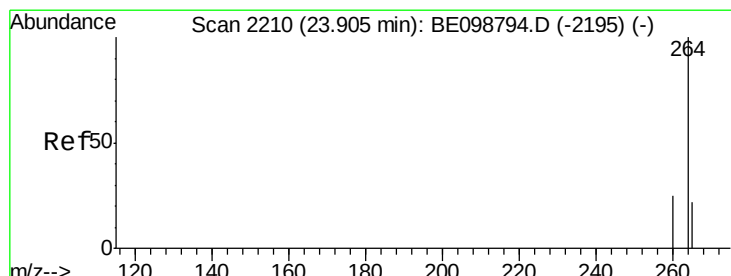
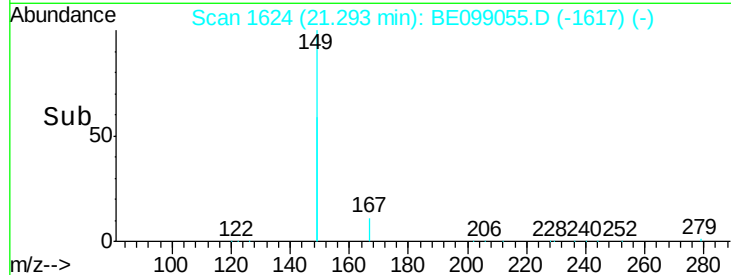
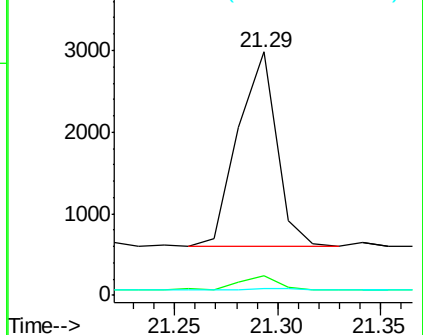
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.074 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE099055.D  
 Acq: 20 Mar 2019 4:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW30212-20190315

Tgt Ion: 149 Resp: 3136  
 Ion Ratio Lower Upper  
 149 100  
 167 7.5 5.4 8.0  
 279 2.0 1.0 1.4#

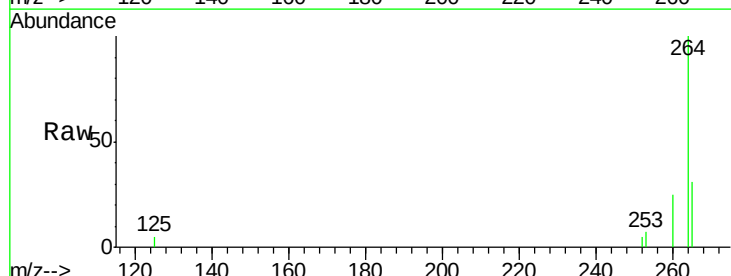


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.89 min Scan# 2207  
 Delta R.T. -0.01 min  
 Lab File: BE099055.D  
 Acq: 20 Mar 2019 4:00

Tgt Ion: 264 Resp: 5897  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 21.2 31.8  
 265 30.9 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

