

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061219\  
 Data File : BE099957.D  
 Acq On : 12 Jun 2019 15:36  
 Operator : JU/SJ  
 Sample : K3255-19  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE109D2-20190605

Quant Time: Jun 13 05:05:58 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

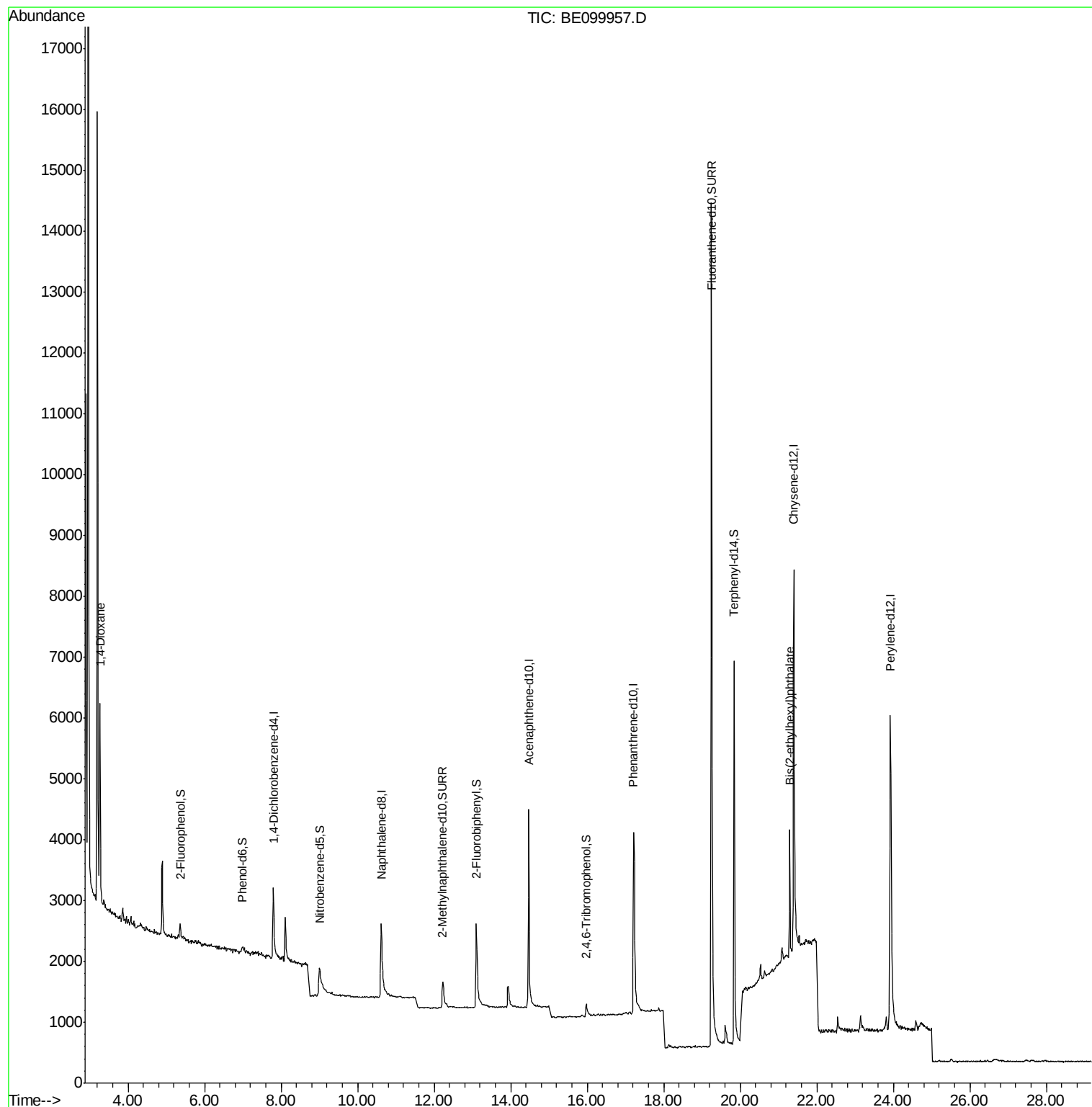
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 880      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.61 | 136  | 2991     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 2477     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.21 | 188  | 7401     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 9646     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.92 | 264  | 10823    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 248      | 0.10  | ng    | 0.01     |
| 5) Phenol-d6                   | 6.98  | 99   | 187      | 0.06  | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 9.00  | 82   | 649      | 0.23  | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 1189     | 0.23  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.98 | 330  | 273      | 0.15  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 2597     | 0.28  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.25 | 212  | 24720    | 0.23  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.84 | 244  | 7442     | 0.43  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.27  | 88   | 2980     | 2.288 | ng    | 95       |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2314     | 0.056 | ng    | # 96     |

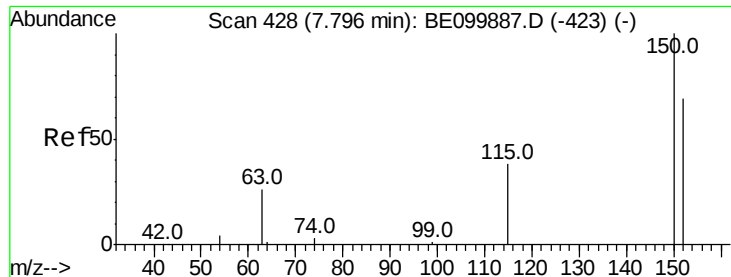
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061219\  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
RE109D2-20190605

Quant Time: Jun 13 05:05:58 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. -0.00 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

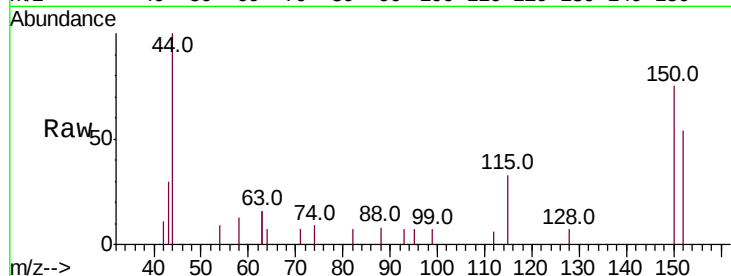
Tot Ion:152 Resp: 880

Ion Ratio Lower Upper

152 100

150 140.1 111.0 166.6

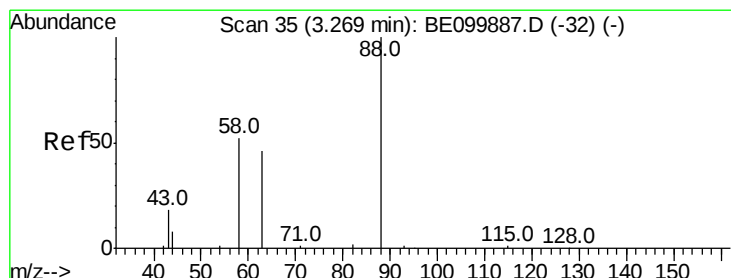
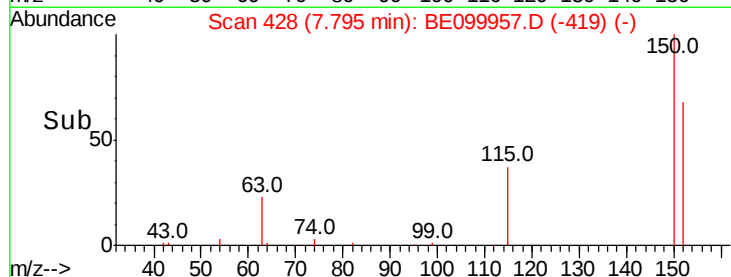
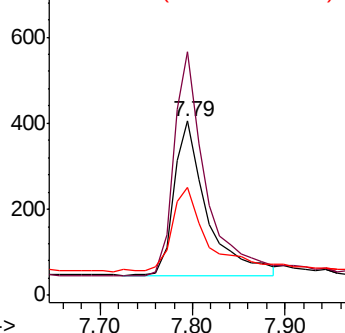
115 62.1 50.7 76.1



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: 2.288 ng

RT: 3.27 min Scan# 35

Delta R.T. -0.00 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

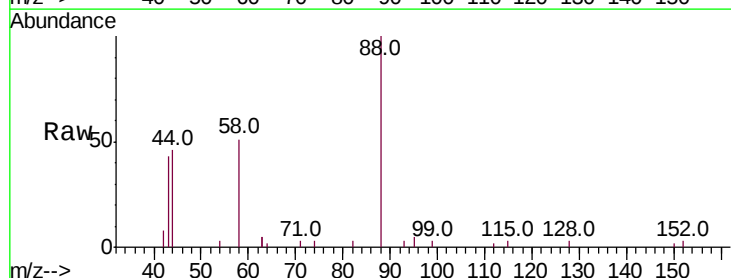
Tgt Ion: 88 Resp: 2980

Ion Ratio Lower Upper

88 100

58 56.1 48.8 73.2

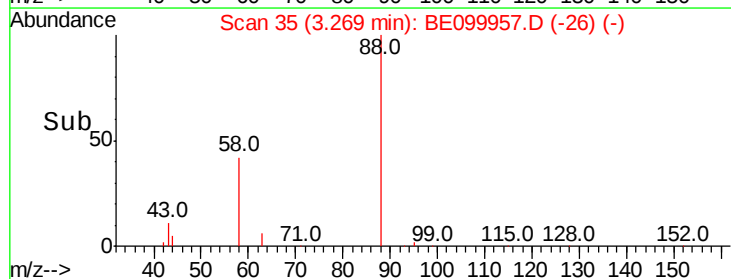
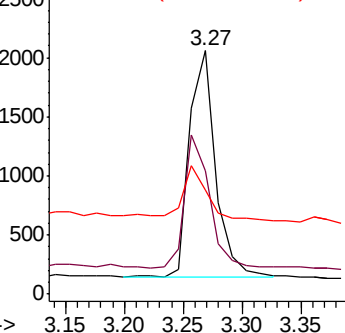
43 22.7 19.0 28.6

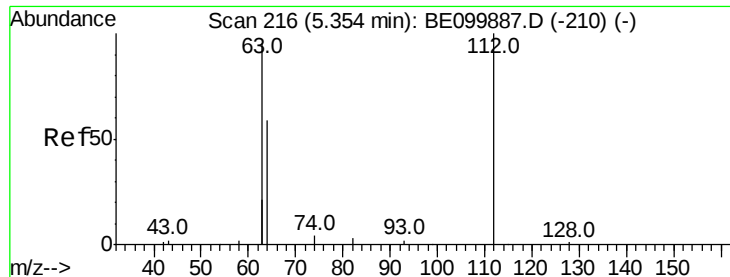


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.104 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

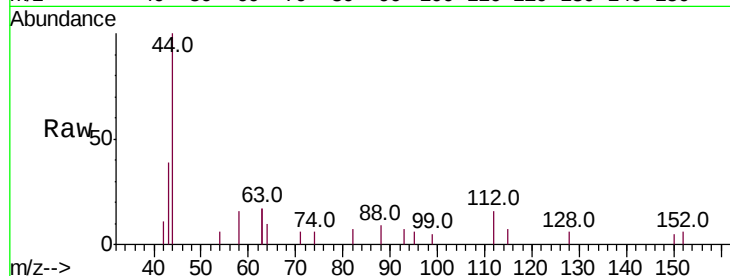
Tot Ion:112 Resp: 248

Ion Ratio Lower Upper

112 100

64 54.4 44.1 66.1

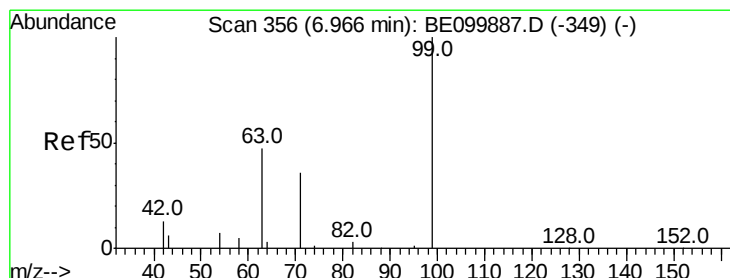
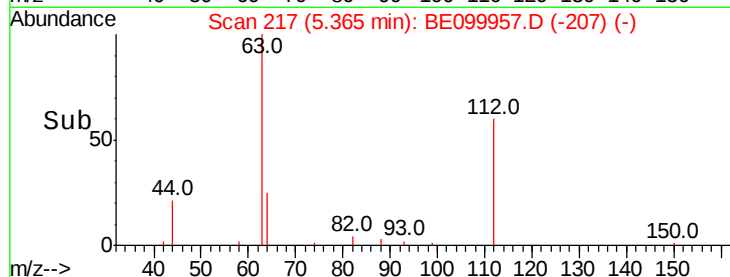
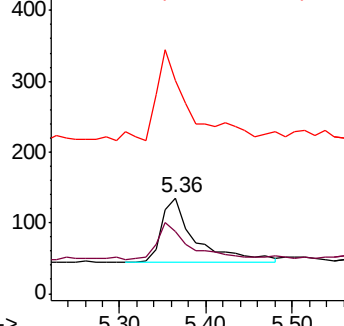
63 127.4 87.8 131.6



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: 0.061 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

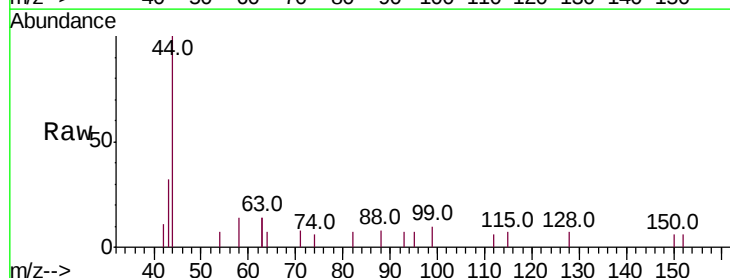
Tgt Ion: 99 Resp: 187

Ion Ratio Lower Upper

99 100

42 16.0 15.9 23.9

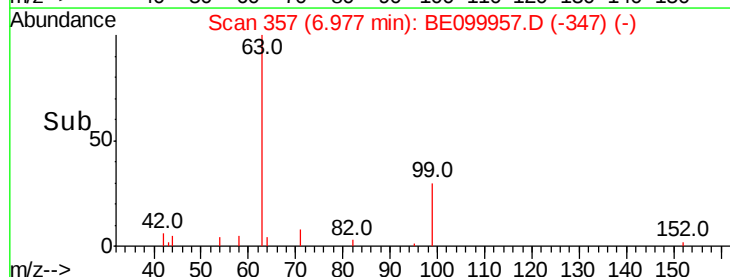
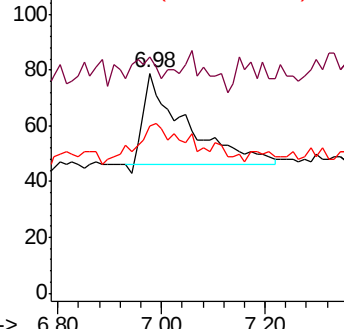
71 52.9 34.6 52.0#

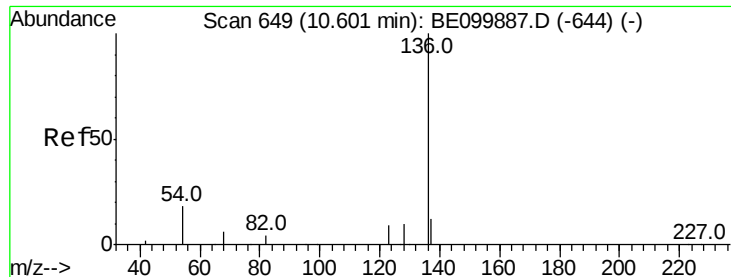


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

Tot Ion:136 Resp: 2991

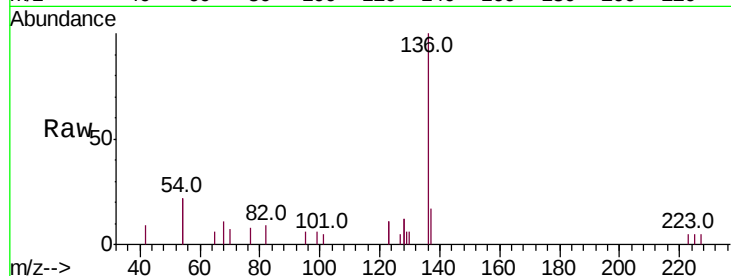
Ion Ratio Lower Upper

136 100

137 16.6 12.3 18.5

54 44.5 28.2 42.4#

68 11.4 7.8 11.8

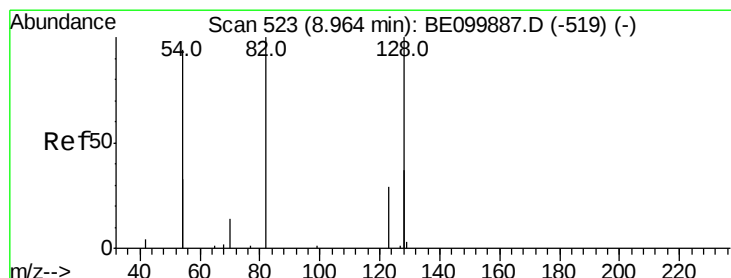
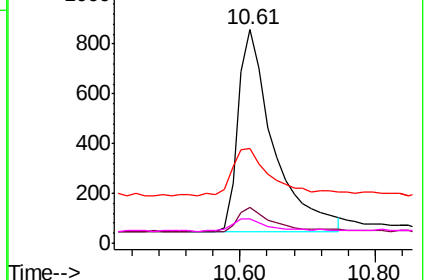
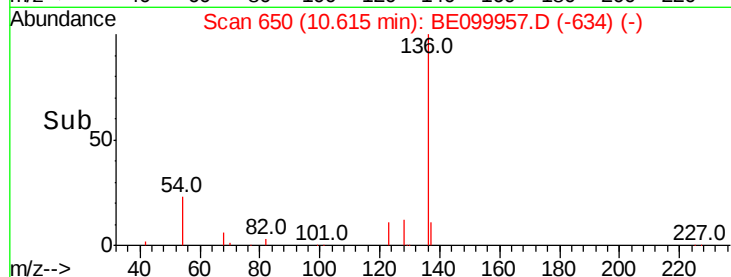


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.229 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

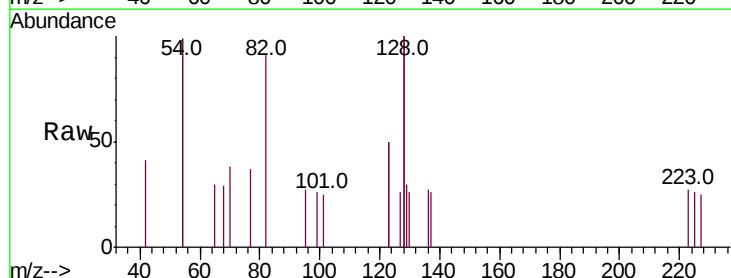
Tgt Ion: 82 Resp: 649

Ion Ratio Lower Upper

82 100

128 219.6 137.3 205.9#

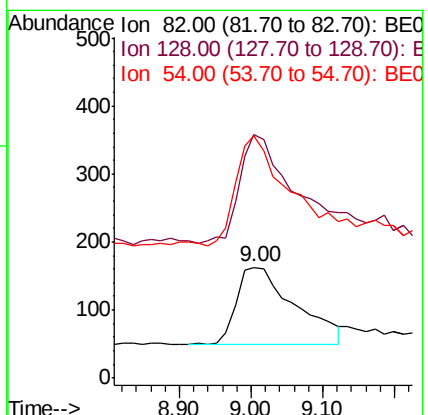
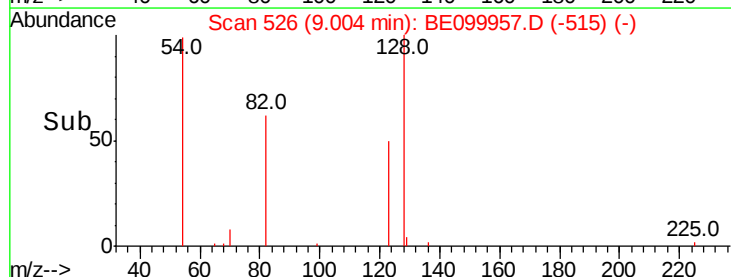
54 218.4 129.7 194.5#

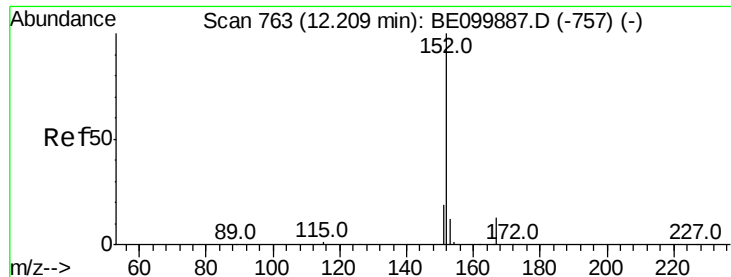


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

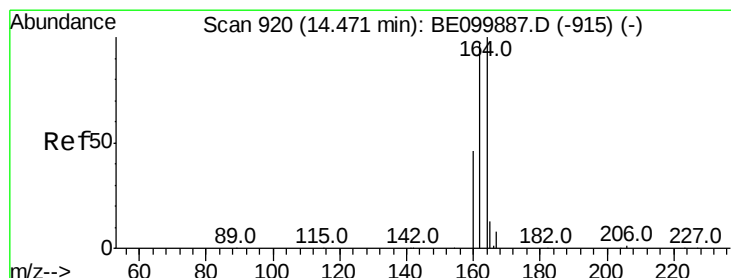
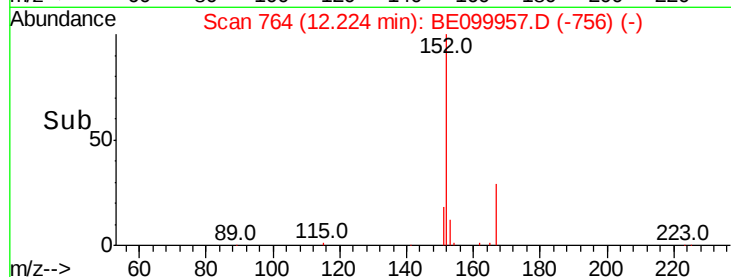
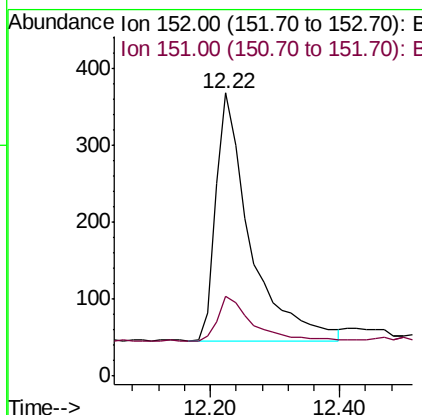
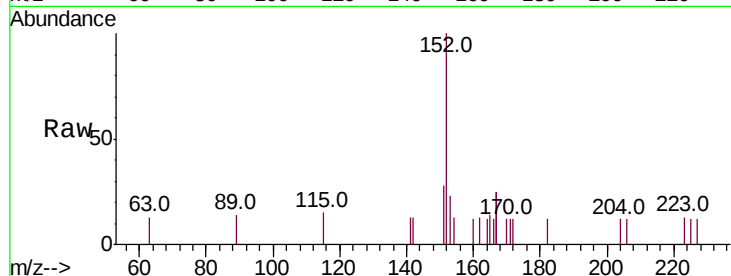




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.228 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. 0.02 min  
 Lab File: BE099957.D  
 Acq: 12 Jun 2019 15:36

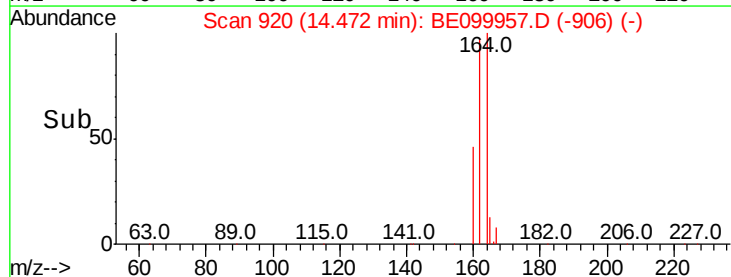
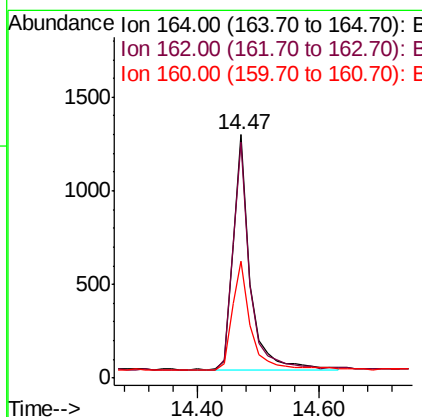
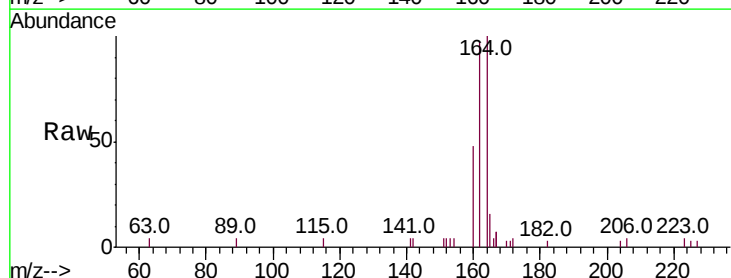
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE109D2-20190605

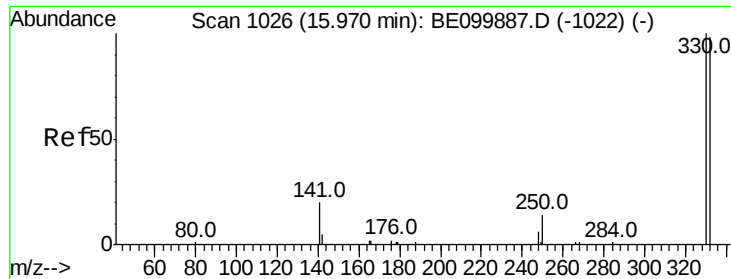
Tot Ion:152 Resp: 1189  
 Ion Ratio Lower Upper  
 152 100  
 151 17.8 15.2 22.8



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: BE099957.D  
 Acq: 12 Jun 2019 15:36

Tgt Ion:164 Resp: 2477  
 Ion Ratio Lower Upper  
 164 100  
 162 97.1 77.8 116.8  
 160 48.1 38.2 57.4

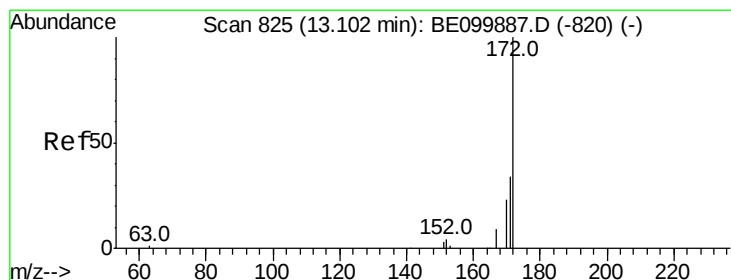
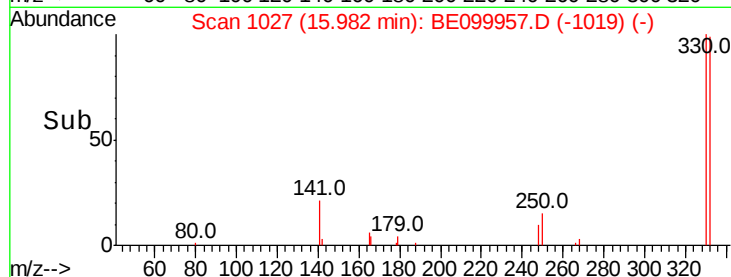
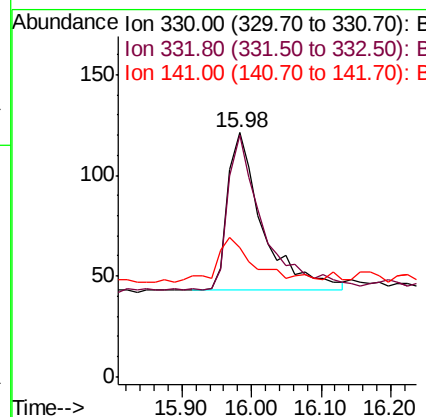
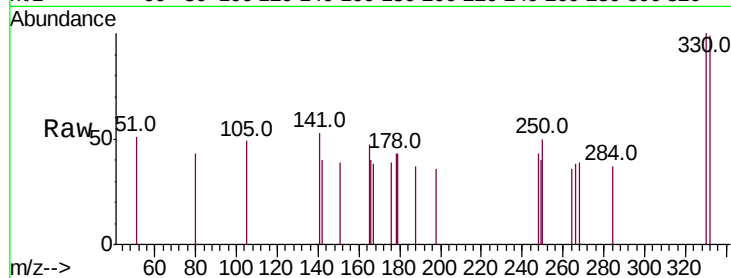




#14  
 2,4,6-Tribromophenol  
 Concen: 0.149 ng  
 RT: 15.98 min Scan# 1027  
 Delta R.T. 0.01 min  
 Lab File: BE099957.D  
 Acq: 12 Jun 2019 15:36

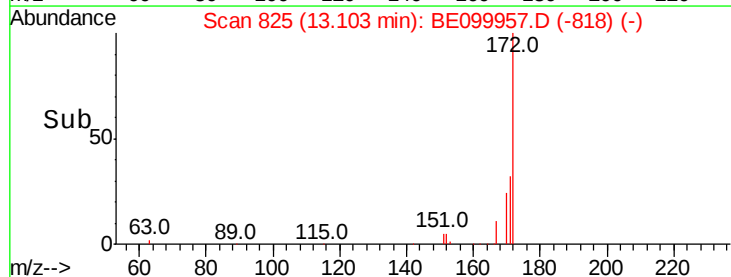
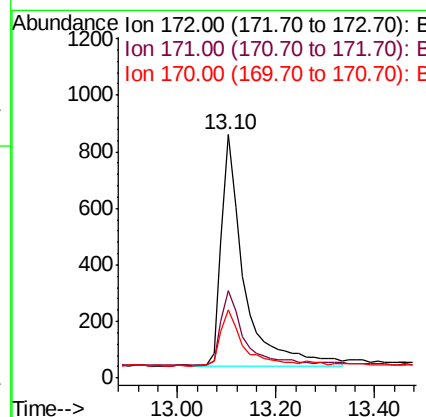
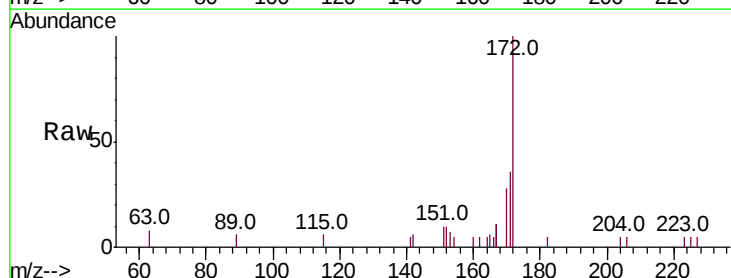
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE109D2-20190605

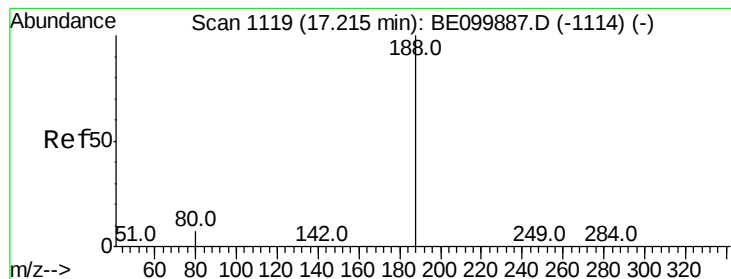
Tot Ion:330 Resp: 273  
 Ion Ratio Lower Upper  
 330 100  
 332 101.1 76.7 115.1  
 141 28.2 21.0 31.6



#15  
 2-Fluorobiphenyl  
 Concen: 0.277 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BE099957.D  
 Acq: 12 Jun 2019 15:36

Tgt Ion:172 Resp: 2597  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.2 43.8  
 170 27.8 21.2 31.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

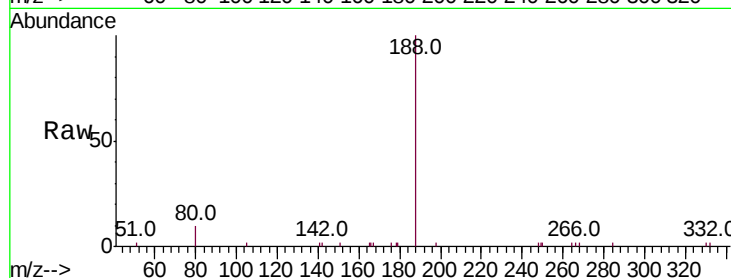
Tot Ion:188 Resp: 7401

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

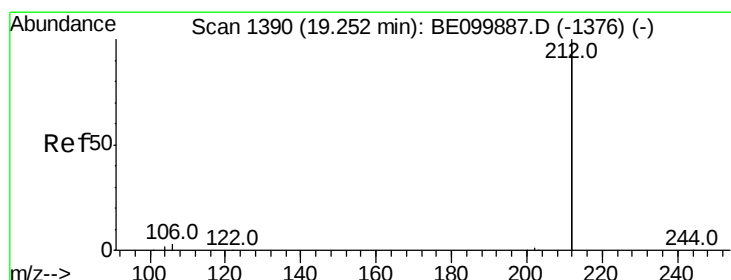
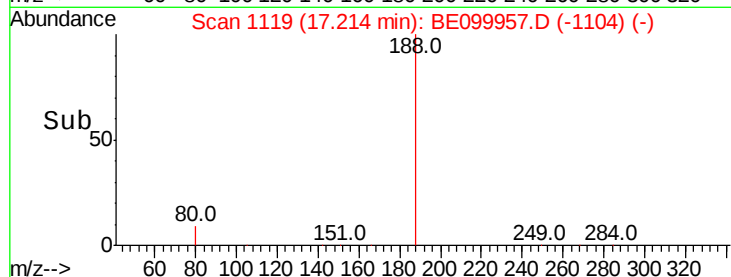
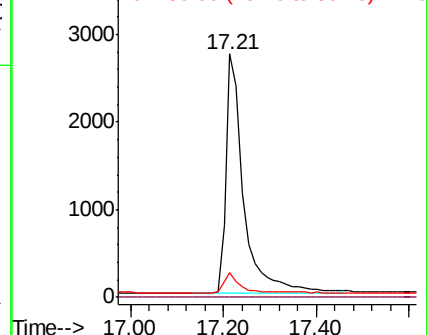
80 10.4 6.4 9.6#



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



#25

Fluoranthene-d10

Concen: 0.229 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

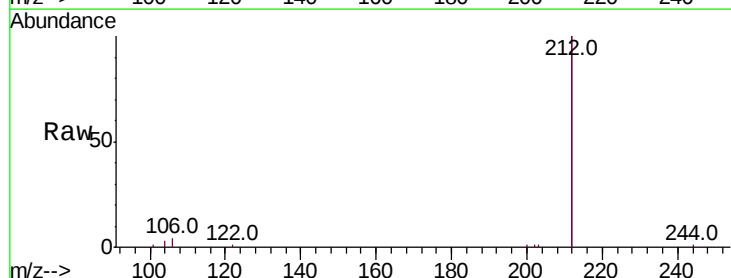
Tgt Ion:212 Resp: 24720

Ion Ratio Lower Upper

212 100

106 1.7 1.4 2.2

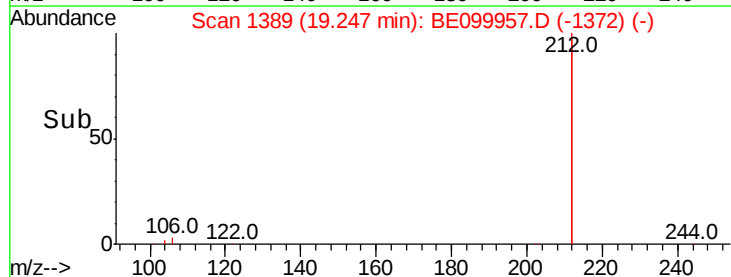
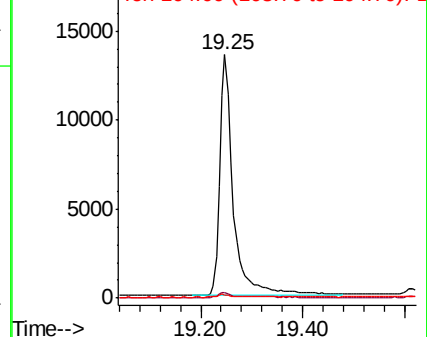
104 1.1 0.9 1.3

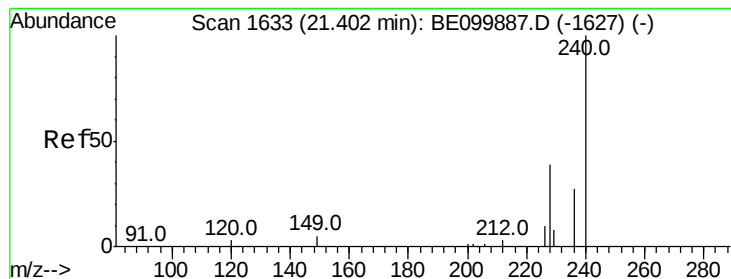


Abundance Ion 212.00 (211.70 to 212.70): E

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: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

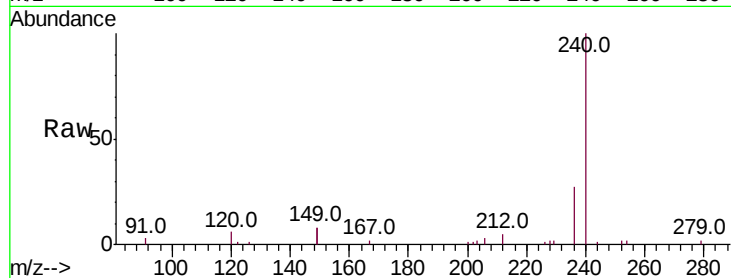
Tot Ion:240 Resp: 9646

Ion Ratio Lower Upper

240 100

120 5.9 3.8 5.6#

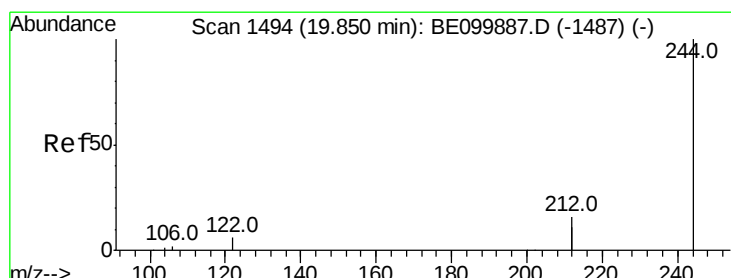
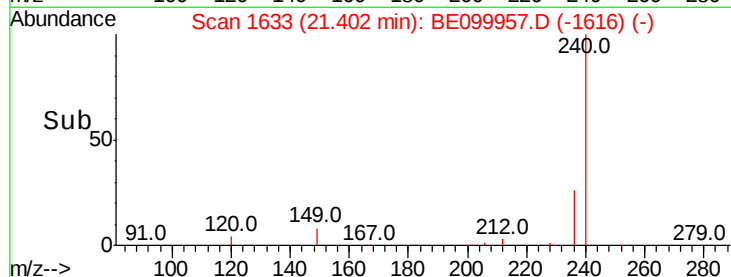
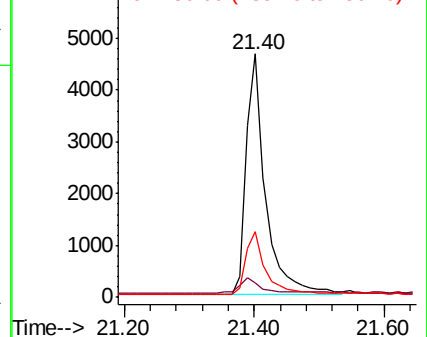
236 27.0 22.0 33.0



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: 0.429 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099957.D

Acq: 12 Jun 2019 15:36

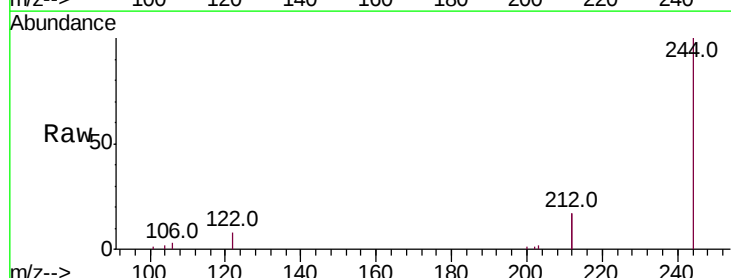
Tgt Ion:244 Resp: 7442

Ion Ratio Lower Upper

244 100

212 34.0 25.7 38.5

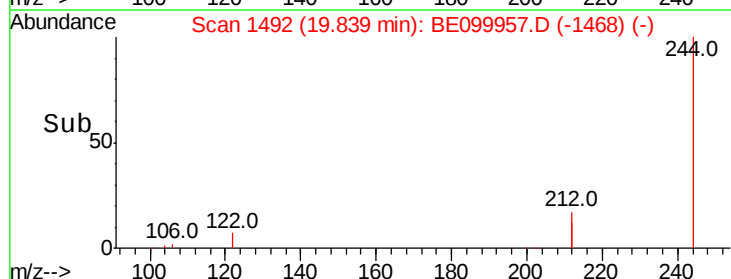
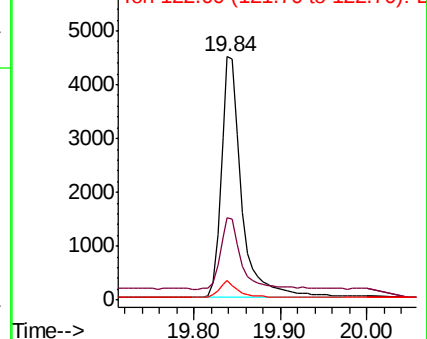
122 8.1 5.5 8.3

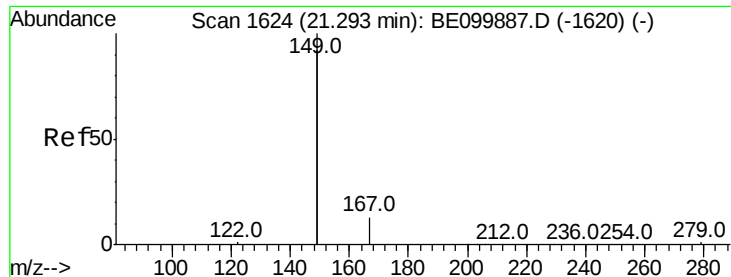


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE099957.D

Acq: 12 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

RE109D2-20190605

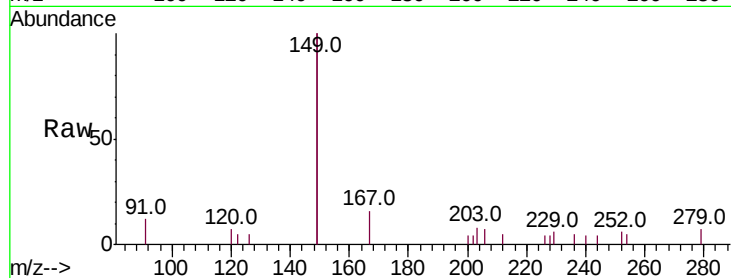
Tot Ion:149 Resp: 2314

Ion Ratio Lower Upper

149 100

167 9.1 5.9 8.9#

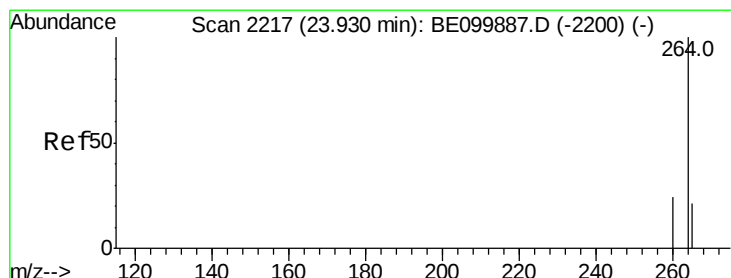
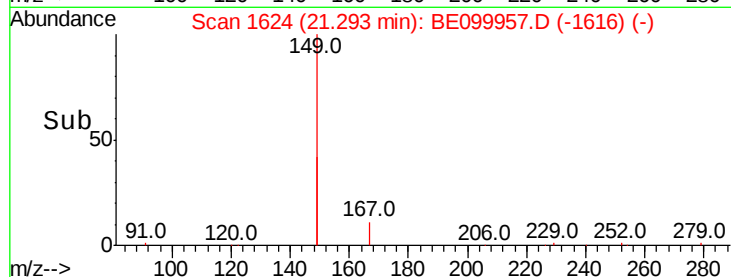
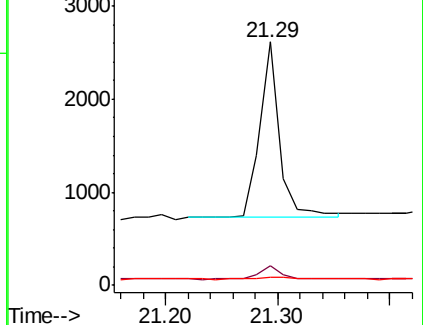
279 2.3 1.2 1.8#



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: BE099957.D

Acq: 12 Jun 2019 15:36

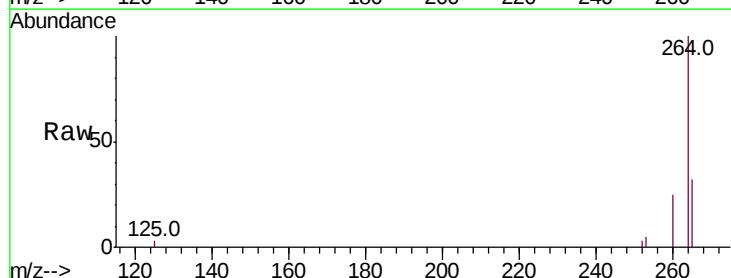
Tgt Ion:264 Resp: 10823

Ion Ratio Lower Upper

264 100

260 25.4 20.2 30.2

265 31.7 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

