

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\  
 Data File : BE100933.D  
 Acq On : 17 Dec 2019 00:25  
 Operator : JU  
 Sample : K6252-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Dec 17 06:20:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 13 10:42:38 2019  
 Response via : Initial Calibration

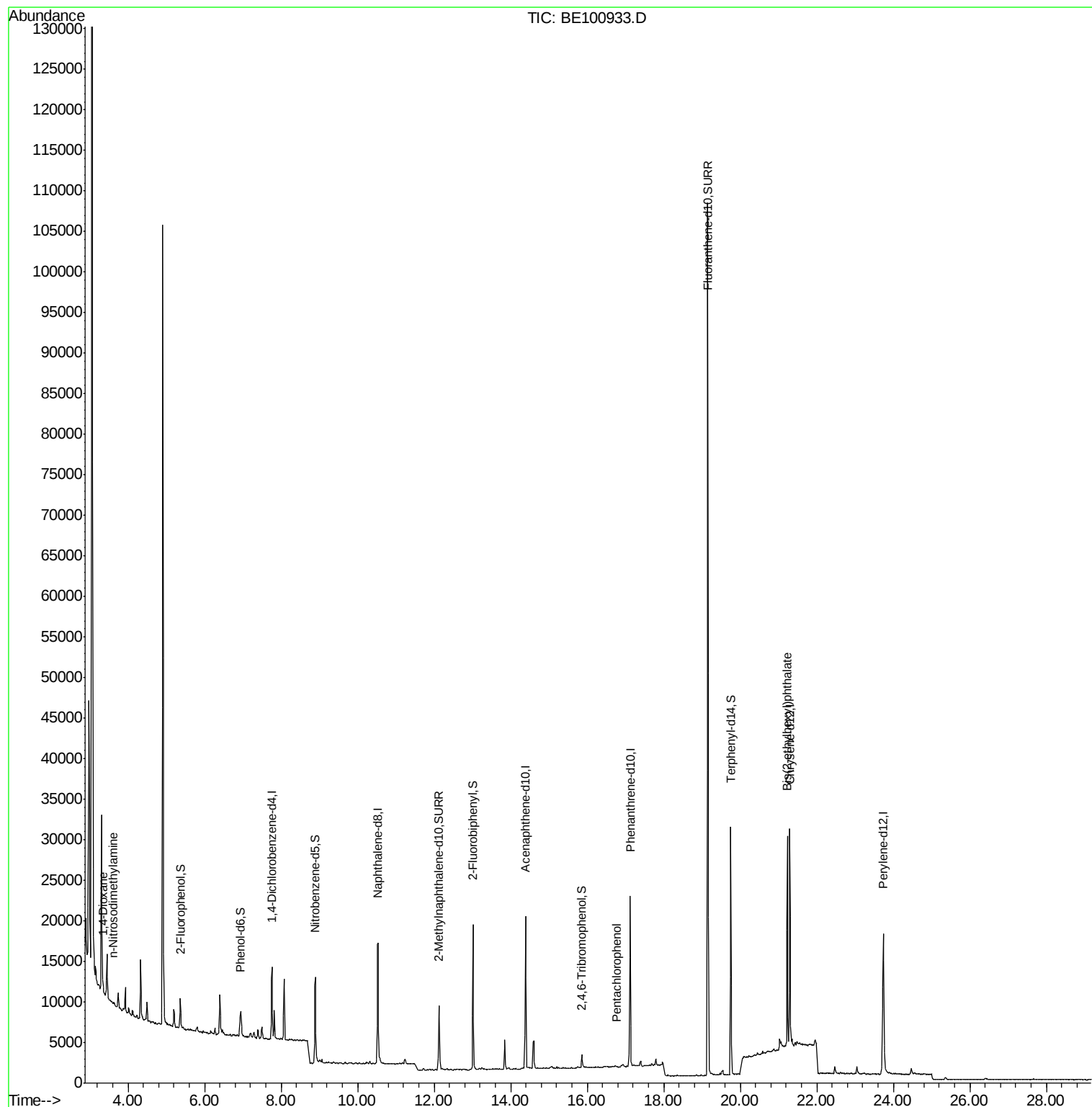
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 4043     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 19125    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.38 | 164  | 11273    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 29237    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.29 | 240  | 26642    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.74 | 264  | 27787    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 1853     | 0.19  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.93  | 99   | 1760     | 0.12  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 4914     | 0.54  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 11305    | 0.41  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 934      | 0.74  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 15690    | 0.35  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 136484   | 0.39  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.75 | 244  | 25909    | 0.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 998      | 0.135 | ng    | # 76     |
| 3) n-Nitrosodimethylamine      | 3.61  | 42   | 124      | 0.021 | ng    | # 1      |
| 22) Pentachlorophenol          | 16.77 | 266  | 33       | 0.031 | ng    | # 67     |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 30549    | 0.552 | ng    | 99       |

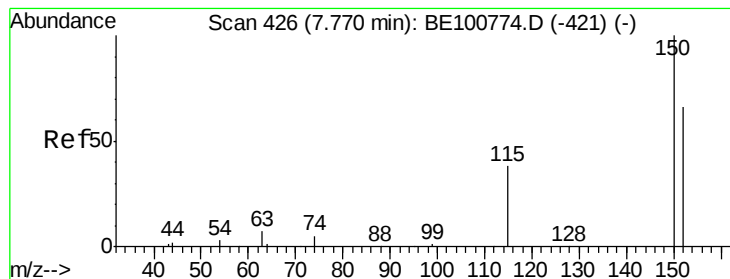
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\  
Data File : BE100933.D  
Acq On : 17 Dec 2019 00:25  
Operator : JU  
Sample : K6252-12  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Dec 17 06:20:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 13 10:42:38 2019  
Response via : Initial Calibration



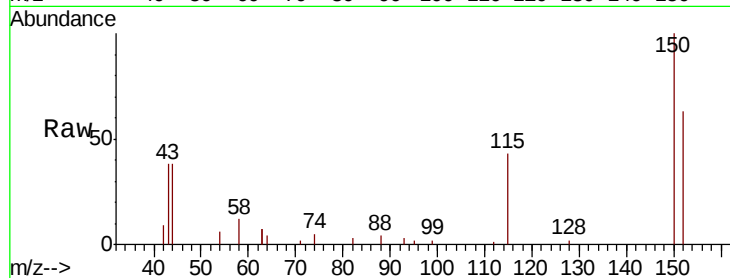


#1

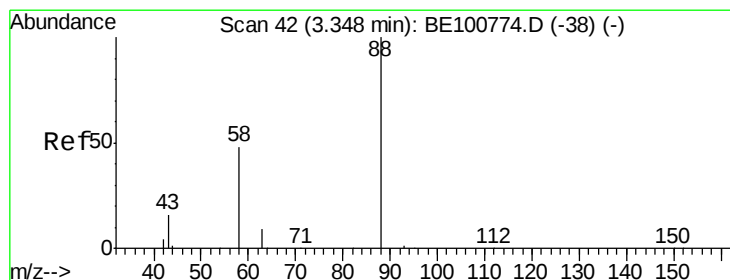
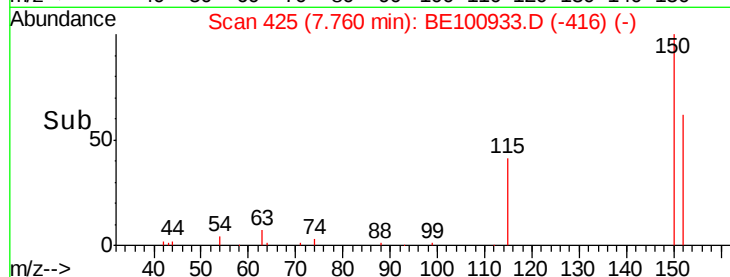
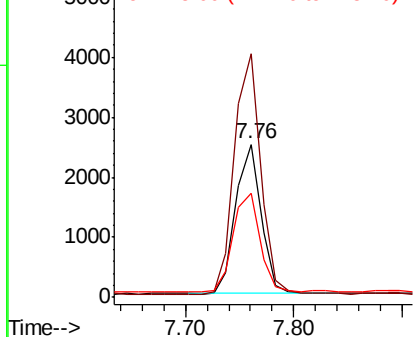
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 4043  
Ion Ratio Lower Upper  
152 100  
150 159.4 125.5 188.3  
115 68.2 55.7 83.5



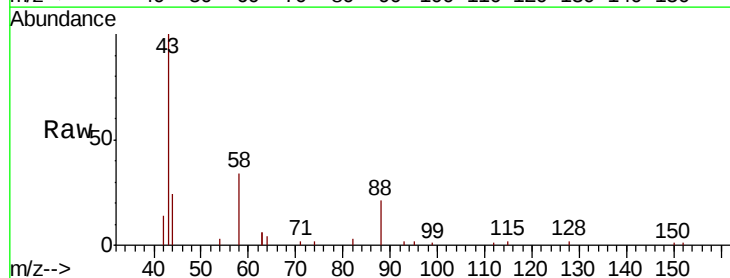
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



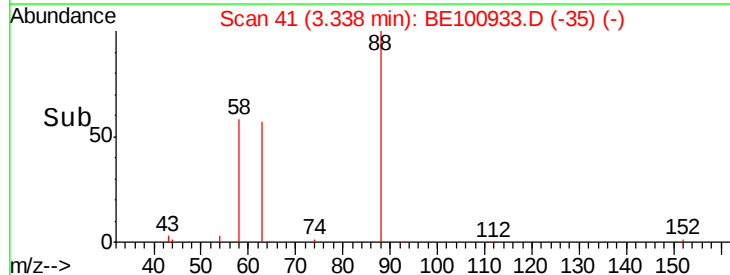
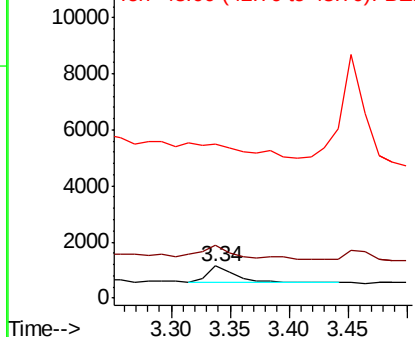
#2

1,4-Dioxane  
Concen: 0.135 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Tgt Ion: 88 Resp: 998  
Ion Ratio Lower Upper  
88 100  
58 73.0 52.3 78.5  
43 0.0 23.5 35.3#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1



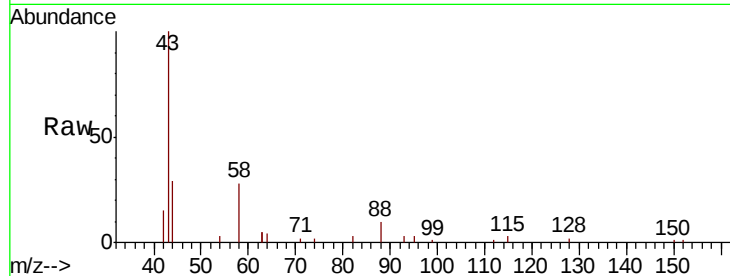


#3

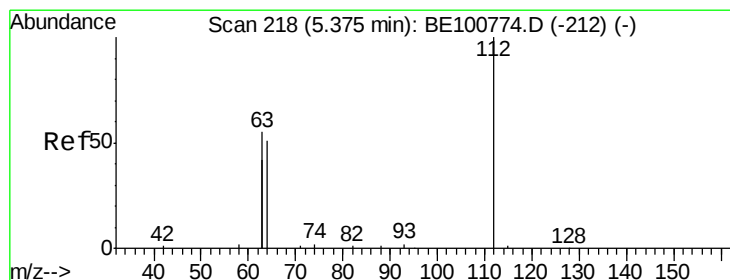
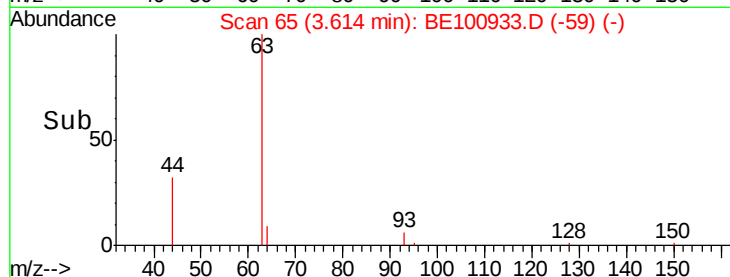
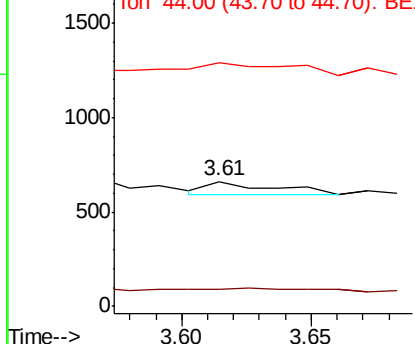
n-Nitrosodimethylamine  
 Concen: 0.021 ng  
 RT: 3.61 min Scan# 65  
 Delta R.T. -0.03 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion: 42 Resp: 124  
 Ion Ratio Lower Upper  
 42 100  
 74 31.5 90.3 135.5#  
 44 166.9 9.0 13.4#



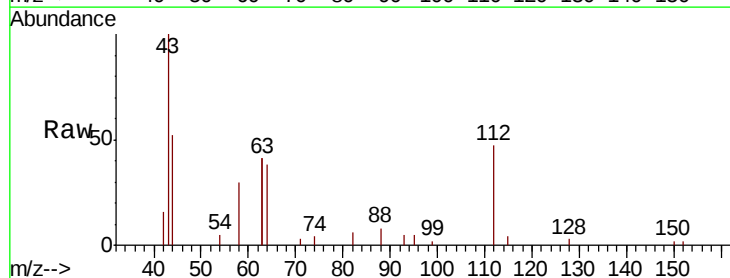
Abundance Ion 42.00 (41.70 to 42.70): BE1  
 Ion 74.00 (73.70 to 74.70): BE1  
 Ion 44.00 (43.70 to 44.70): BE1



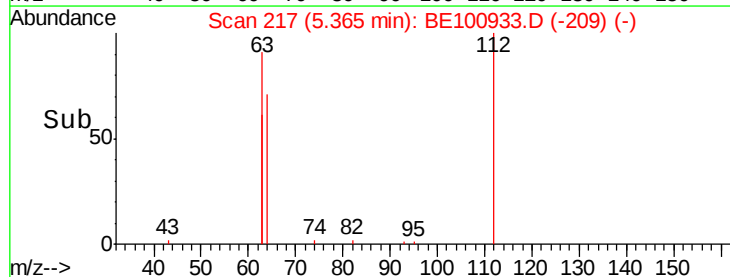
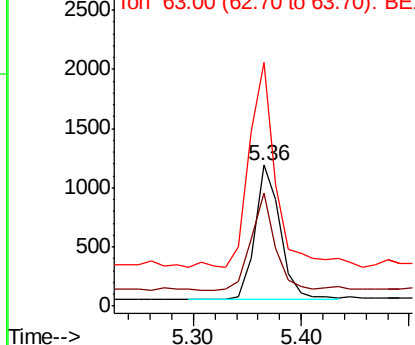
#4

2-Fluorophenol  
 Concen: 0.193 ng  
 RT: 5.36 min Scan# 217  
 Delta R.T. -0.01 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Tgt Ion: 112 Resp: 1853  
 Ion Ratio Lower Upper  
 112 100  
 64 67.7 54.5 81.7  
 63 156.7 116.1 174.1



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BE1  
 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.122 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100933.D

Acq: 17 Dec 2019 00:25

Instrument :

BNA\_E

ClientSampled :

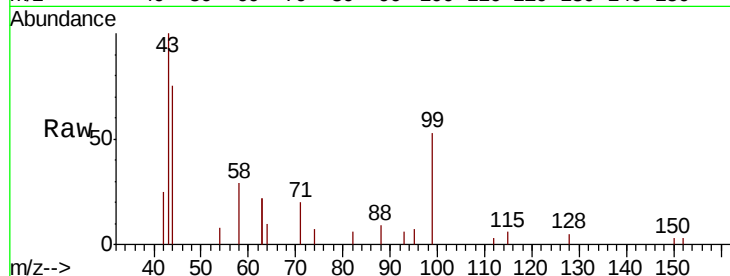
Tot Ion: 99 Resp: 1760

Ion Ratio Lower Upper

99 100

42 45.6 18.2 27.2#

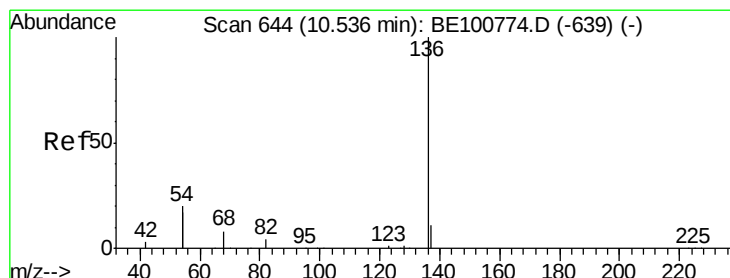
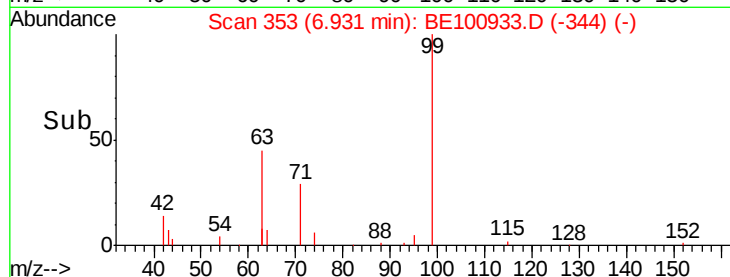
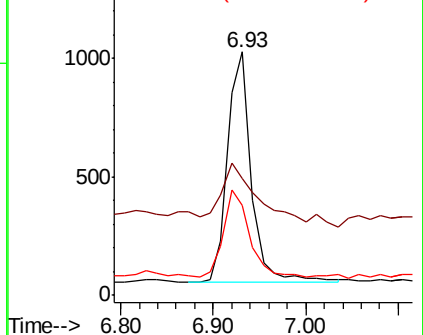
71 40.2 29.1 43.7



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100933.D

Acq: 17 Dec 2019 00:25

Tgt Ion: 136 Resp: 19125

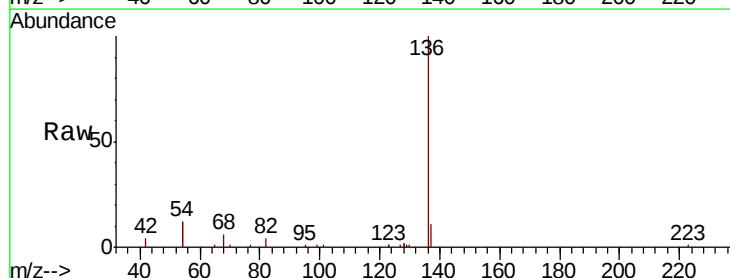
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 24.0 18.9 28.3

68 5.6 4.6 6.8

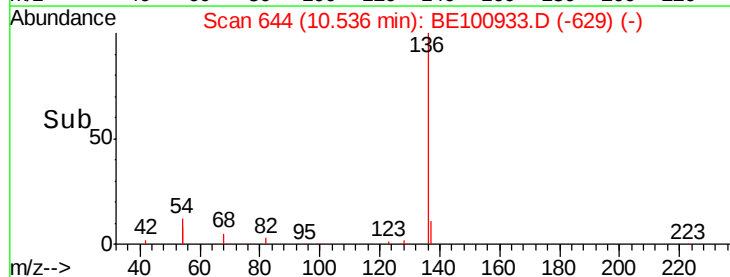
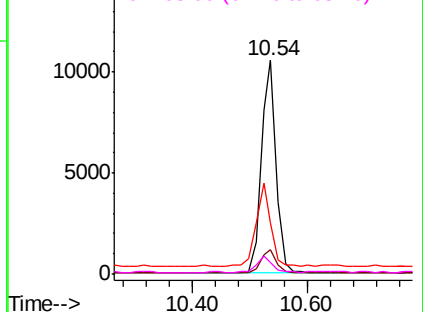


Abundance Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.540 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100933.D

Acq: 17 Dec 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

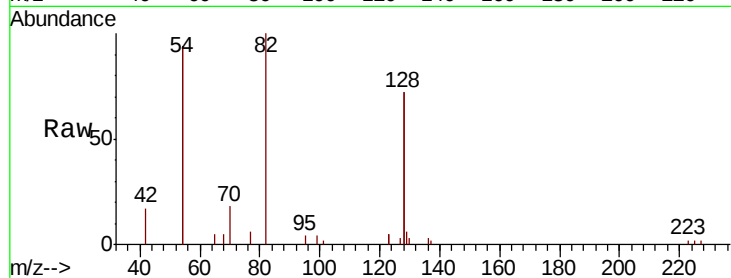
Tot Ion: 82 Resp: 4914

Ion Ratio Lower Upper

82 100

128 145.0 113.5 170.3

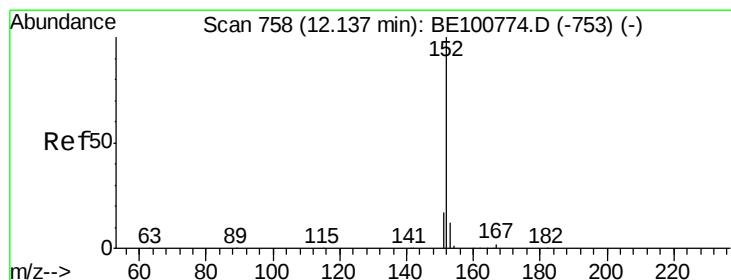
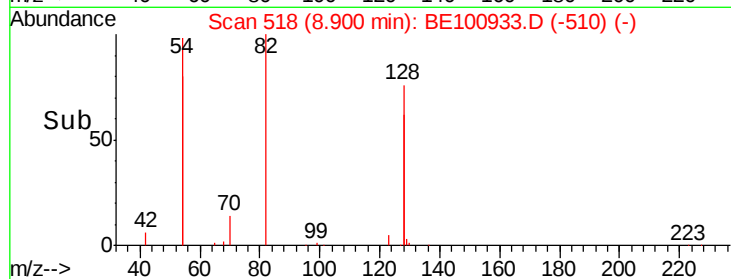
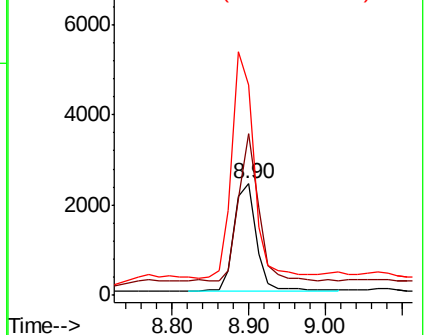
54 188.3 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100933.D

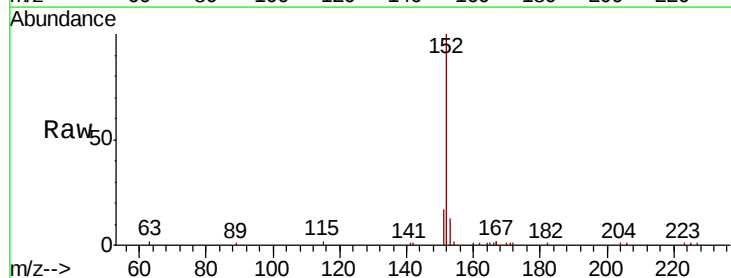
Acq: 17 Dec 2019 00:25

Tgt Ion: 152 Resp: 11305

Ion Ratio Lower Upper

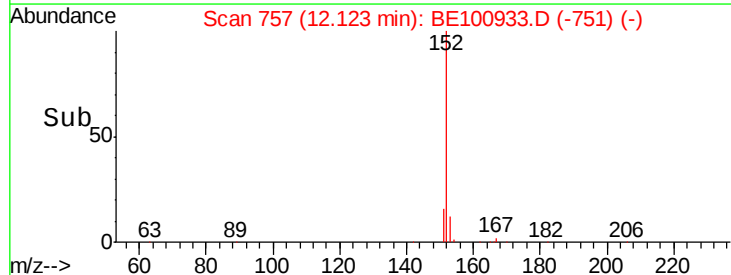
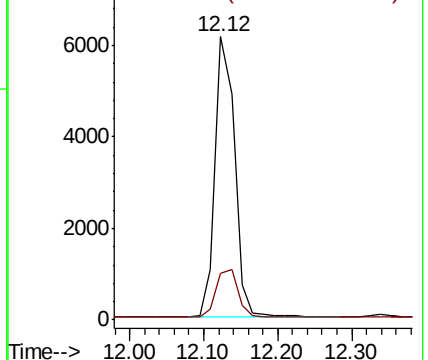
152 100

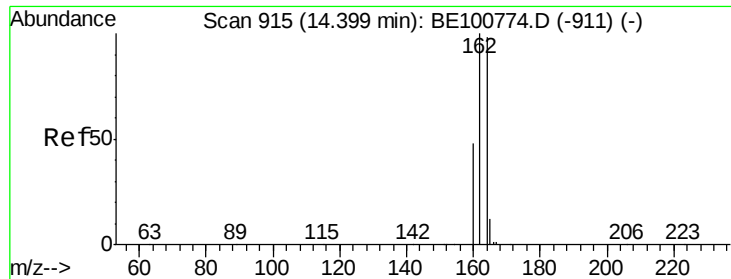
151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE1

Ion 151.00 (150.70 to 151.70): BE1

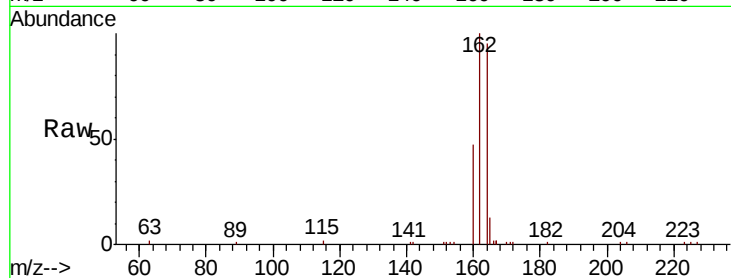




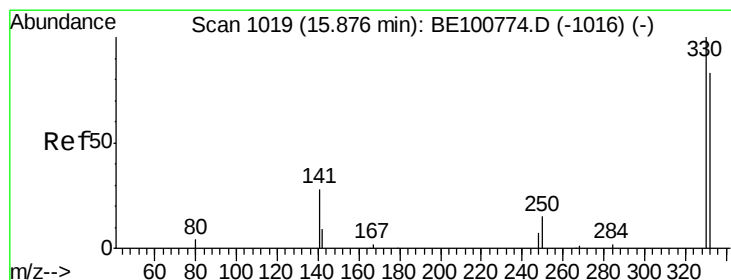
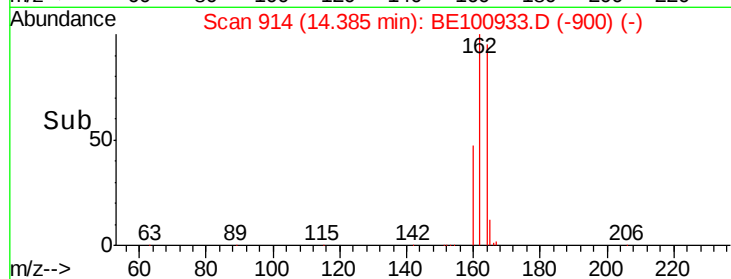
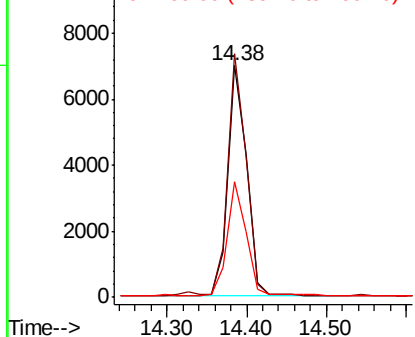
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.38 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 11273  
Ion Ratio Lower Upper  
164 100  
162 105.1 86.0 129.0  
160 49.7 42.3 63.5

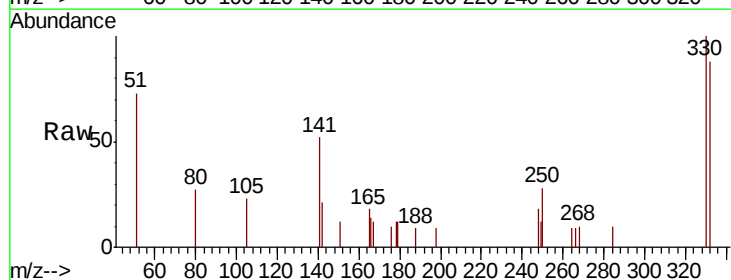


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

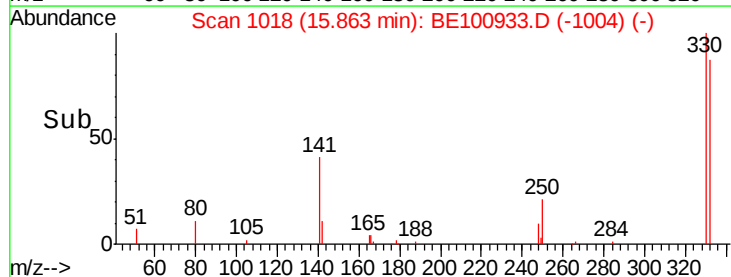
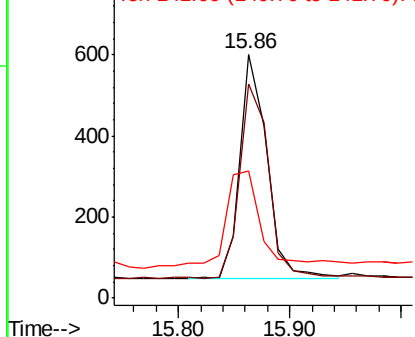


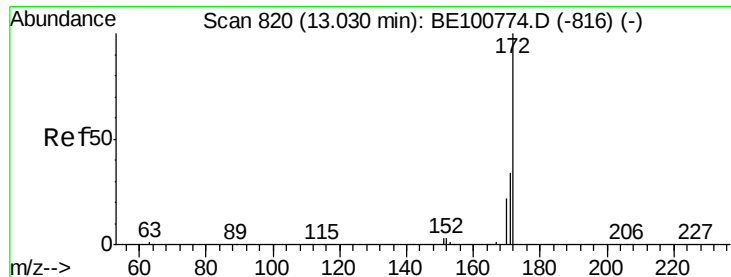
#14  
2,4,6-Tribromophenol  
Concen: 0.745 ng  
RT: 15.86 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Tgt Ion:330 Resp: 934  
Ion Ratio Lower Upper  
330 100  
332 96.9 74.1 111.1  
141 56.5 46.7 70.1



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

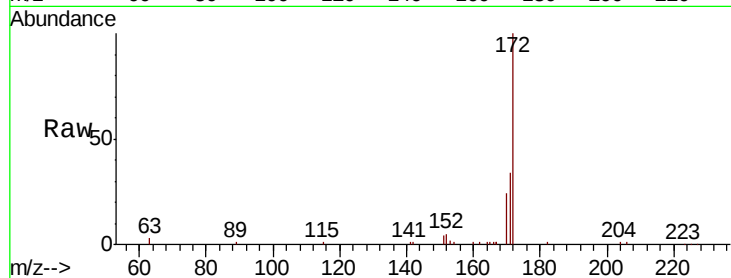




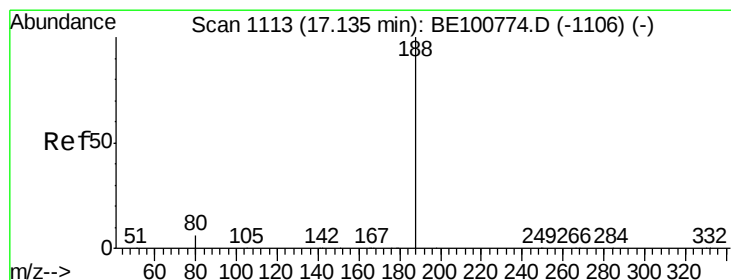
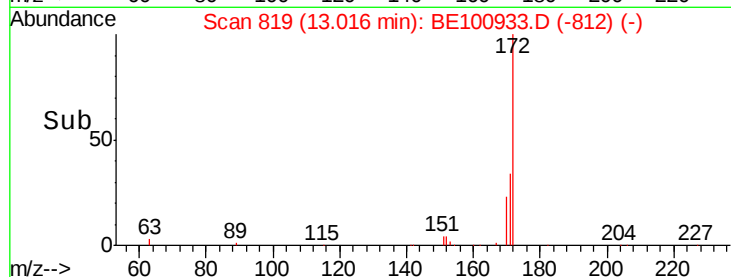
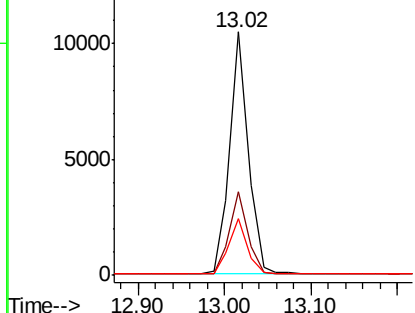
#15  
2-Fluorobiphenyl  
Concen: 0.351 ng  
RT: 13.02 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 15690  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.2 42.4  
170 23.5 19.4 29.0

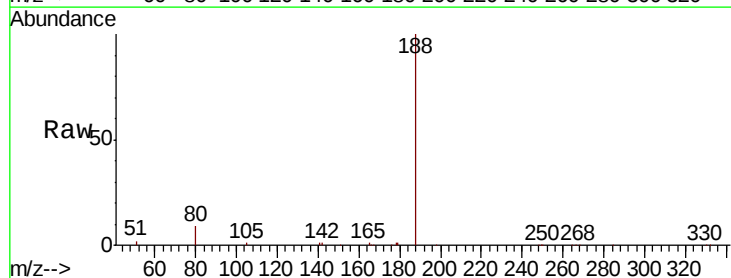


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

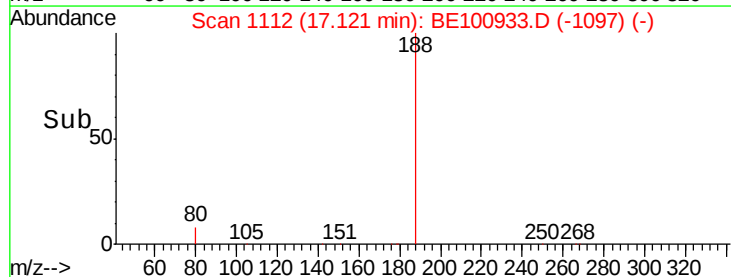
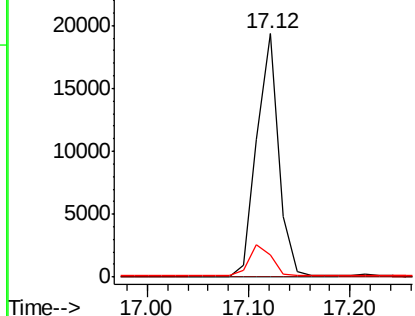


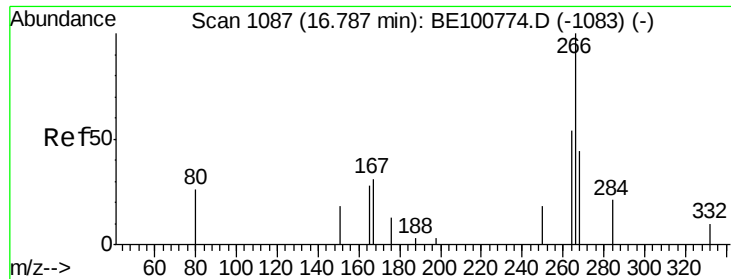
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: BE100933.D  
Acq: 17 Dec 2019 00:25

Tgt Ion:188 Resp: 29237  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.0 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE1  
Ion 80.00 (79.70 to 80.70): BE1

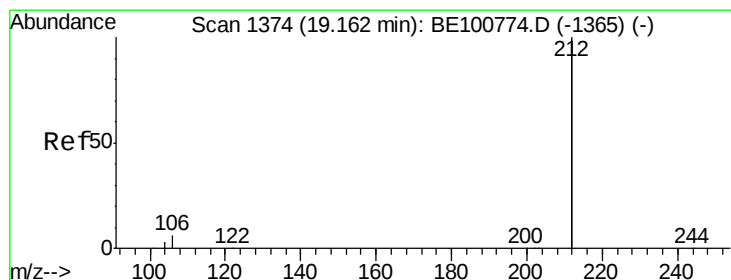
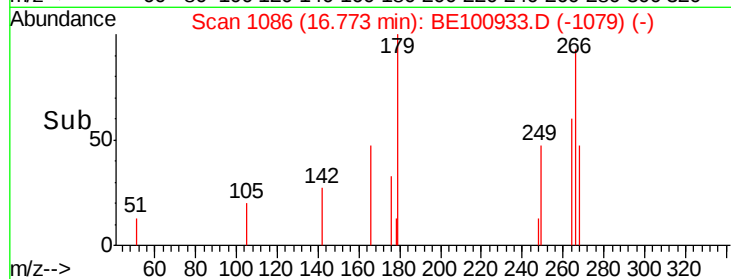
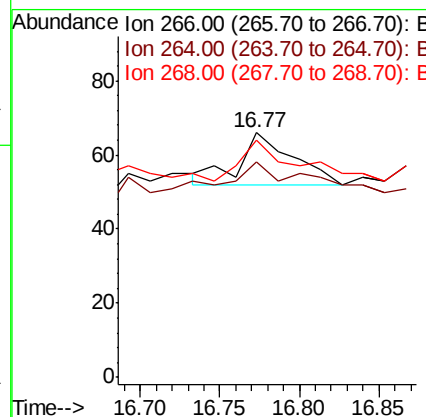
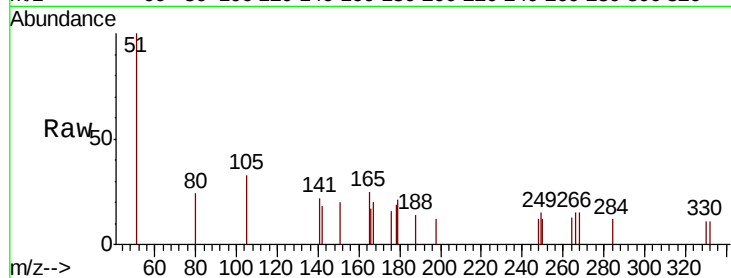




#22  
 Pentachlorophenol  
 Concen: 0.031 ng  
 RT: 16.77 min Scan# 1086  
 Delta R.T. -0.01 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

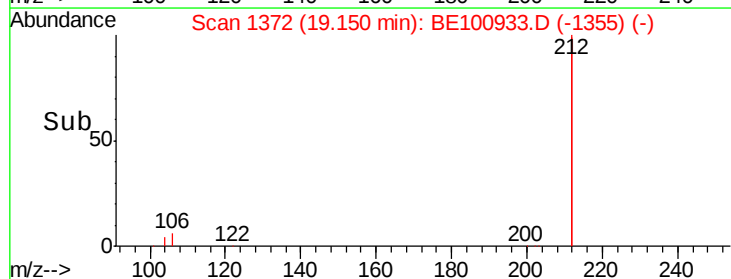
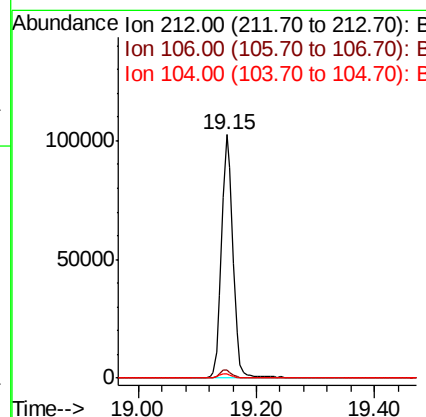
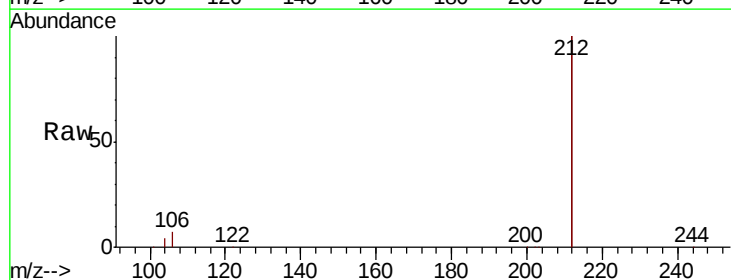
Instrument :  
 BNA\_E  
 ClientSampleId :

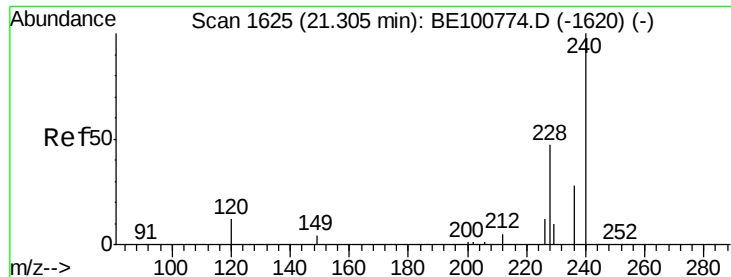
Tot Ion:266 Resp: 33  
 Ion Ratio Lower Upper  
 266 100  
 264 87.9 55.1 82.7#  
 268 97.0 50.7 76.1#



#25  
 Fluoranthene-d10  
 Concen: 0.395 ng  
 RT: 19.15 min Scan# 1372  
 Delta R.T. -0.00 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Tgt Ion:212 Resp: 136484  
 Ion Ratio Lower Upper  
 212 100  
 106 3.4 2.6 4.0  
 104 1.9 1.4 2.2

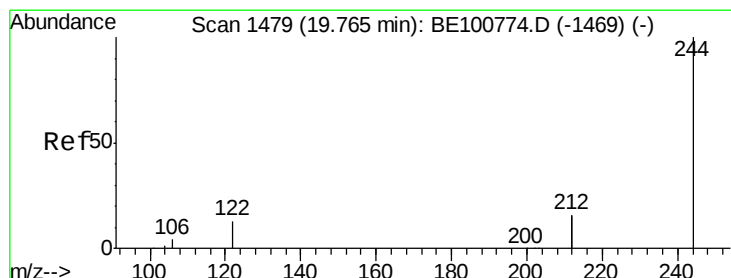
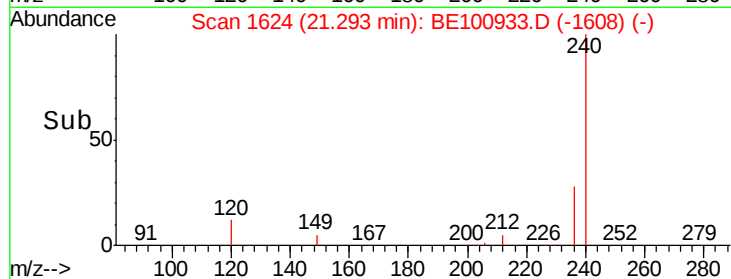
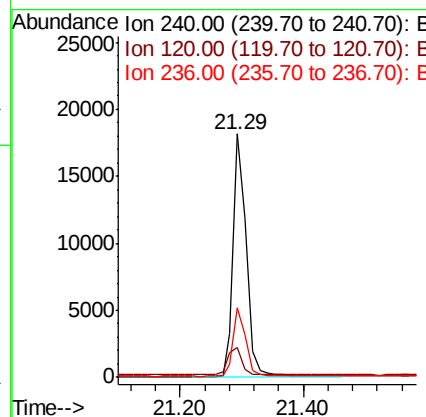
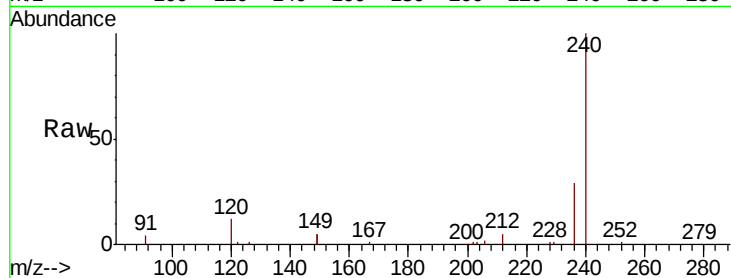




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

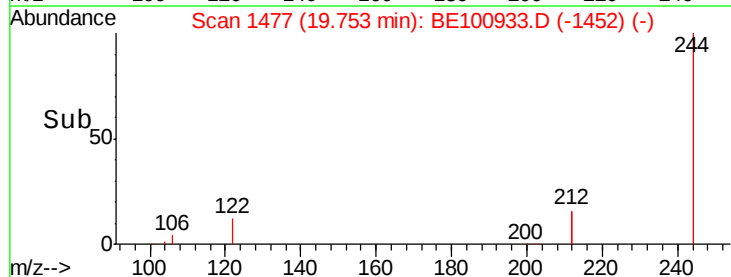
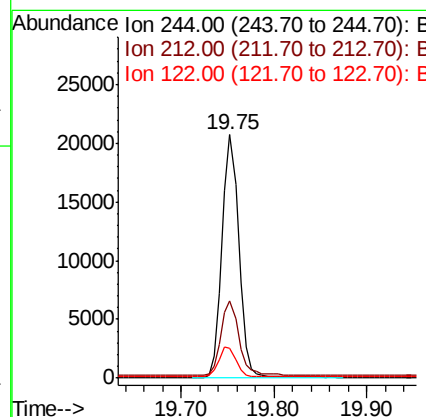
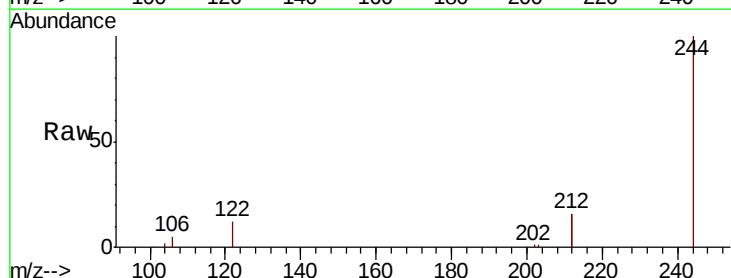
Instrument :  
 BNA\_E  
 ClientSampleId :

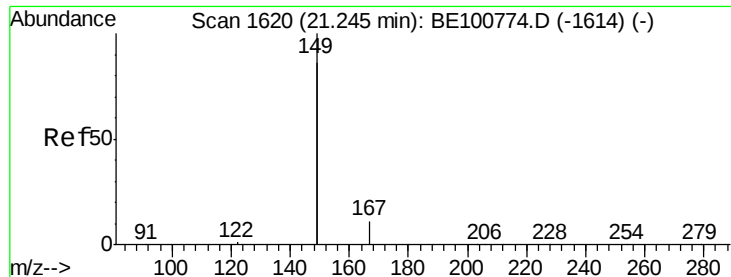
Tot Ion:240 Resp: 26642  
 Ion Ratio Lower Upper  
 240 100  
 120 12.5 4.0 6.0#  
 236 28.6 21.6 32.4



#29  
 Terphenyl-d14  
 Concen: 0.406 ng  
 RT: 19.75 min Scan# 1477  
 Delta R.T. -0.01 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Tgt Ion:244 Resp: 25909  
 Ion Ratio Lower Upper  
 244 100  
 212 31.7 25.2 37.8  
 122 12.2 8.9 13.3

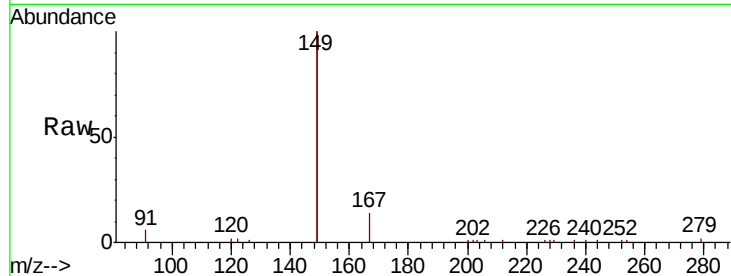




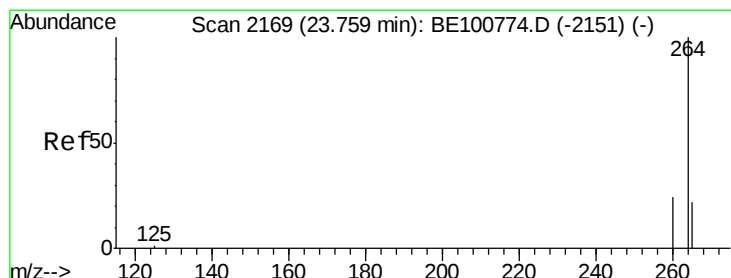
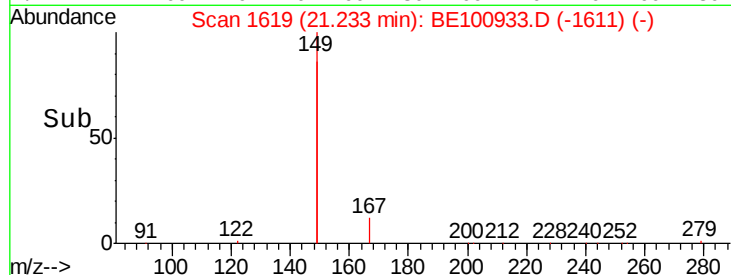
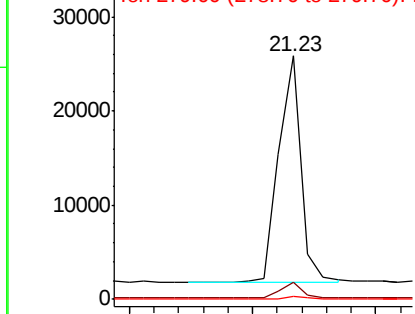
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.552 ng  
 RT: 21.23 min Scan# 1619  
 Delta R.T. -0.00 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:149 Resp: 30549  
 Ion Ratio Lower Upper  
 149 100  
 167 6.4 5.0 7.4  
 279 0.9 0.6 1.0

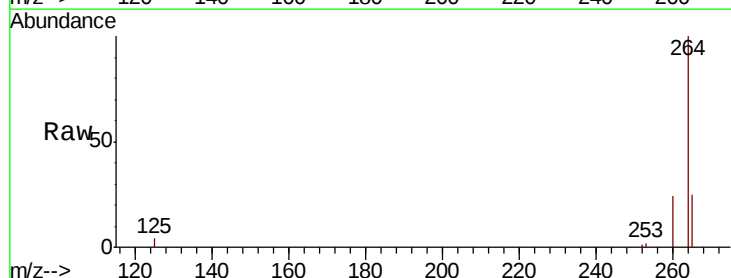


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.74 min Scan# 2163  
 Delta R.T. -0.00 min  
 Lab File: BE100933.D  
 Acq: 17 Dec 2019 00:25

Tgt Ion:264 Resp: 27787  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.4 29.0  
 265 24.9 20.1 30.1



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

