

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\  
 Data File : BE100833.D  
 Acq On : 11 Dec 2019 5:27  
 Operator : JU  
 Sample : K6185-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-20191204

Quant Time: Dec 11 13:02:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 04 17:18:11 2019  
 Response via : Initial Calibration

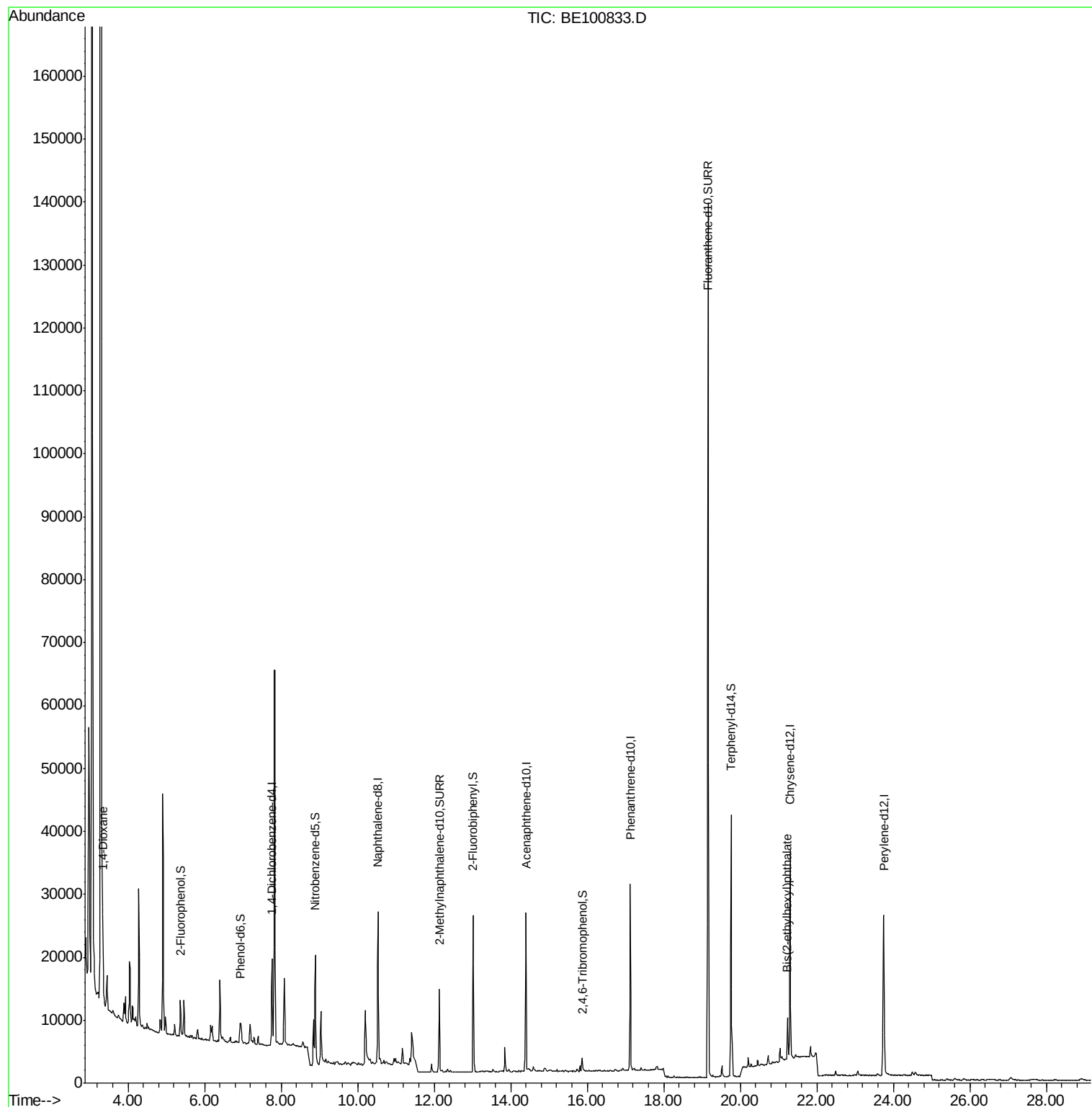
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 5710     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 26713    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.40 | 164  | 15709    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 37189    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.30 | 240  | 32429    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.75 | 264  | 36889    | 0.40  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.37  | 112  | 2767     | 0.20  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.93  | 99   | 2594     | 0.13  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 6973     | 0.55  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 17138    | 0.44  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 1395     | 0.80  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 23195    | 0.37  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.16 | 212  | 174441   | 0.40  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.76 | 244  | 34622    | 0.45  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 5822     | 0.559 | ng    | # 66     |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 8718     | 0.081 | ng    | # 95     |

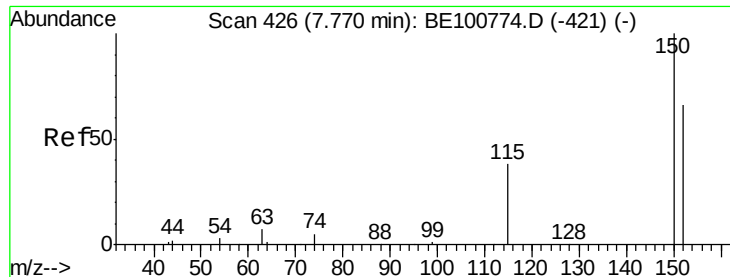
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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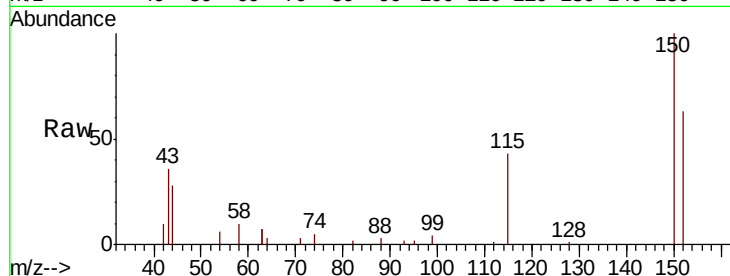


#1

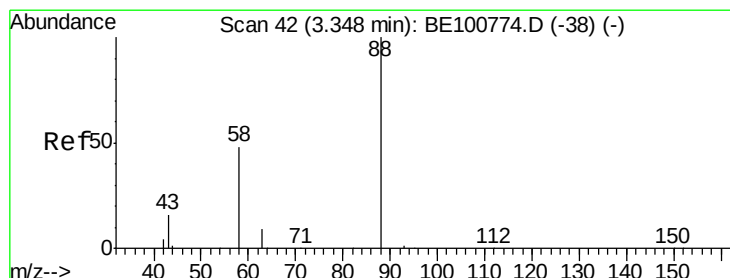
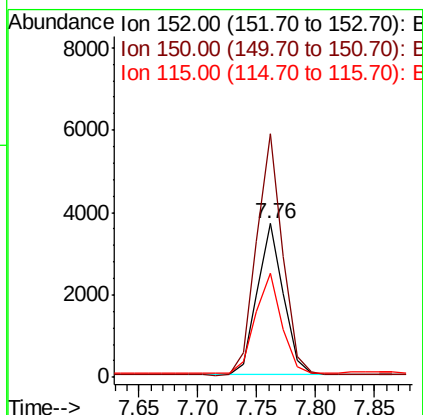
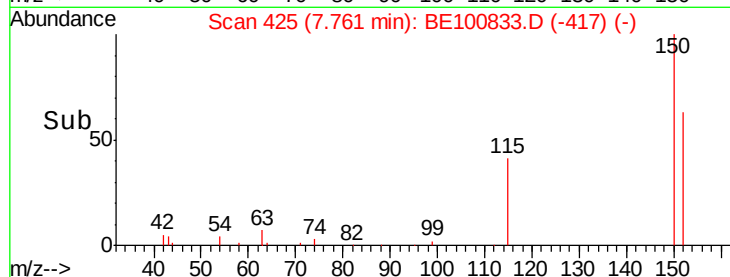
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. -0.01 min  
Lab File: BE100833.D  
Acq: 11 Dec 2019 5:27

Instrument :  
BNA\_E  
ClientSampleId :  
RE103D2-20191204

Tot Ion:152 Resp: 5710  
Ion Ratio Lower Upper  
152 100  
150 158.5 120.6 181.0  
115 67.5 47.4 71.2



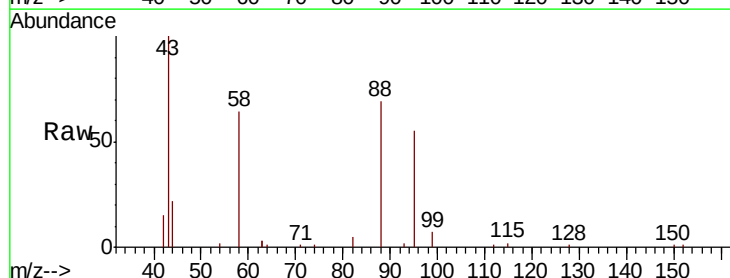
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



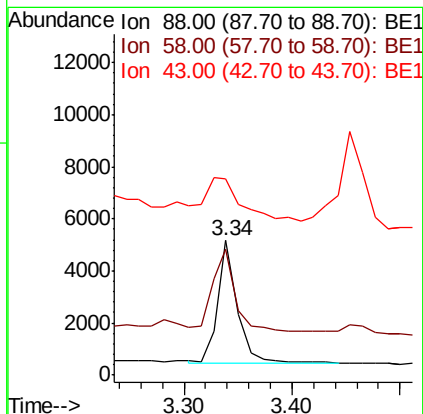
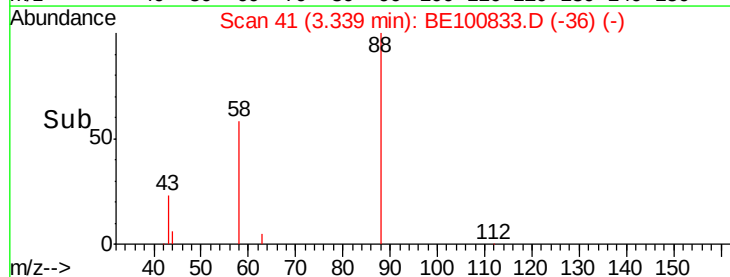
#2

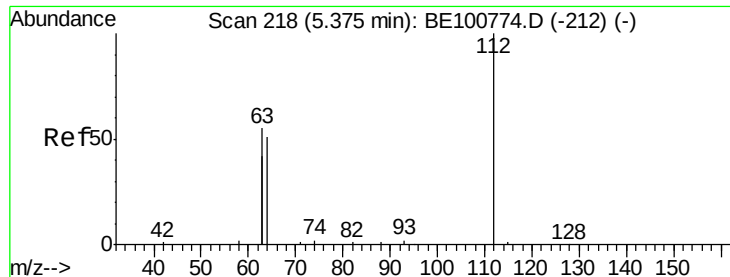
1,4-Dioxane  
Concen: 0.559 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.01 min  
Lab File: BE100833.D  
Acq: 11 Dec 2019 5:27

Tgt Ion: 88 Resp: 5822  
Ion Ratio Lower Upper  
88 100  
58 79.5 52.5 78.7#  
43 66.7 23.0 34.6#



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





#4

2-Fluorophenol

Concen: 0.204 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100833.D

Acq: 11 Dec 2019 5:27

Instrument :

BNA\_E

ClientSampleId :

RE103D2-20191204

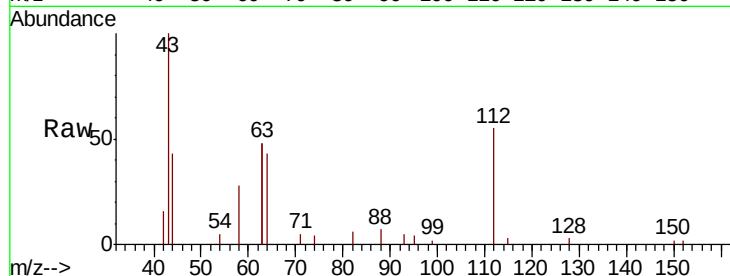
Tot Ion:112 Resp: 2767

Ion Ratio Lower Upper

112 100

64 66.8 54.1 81.1

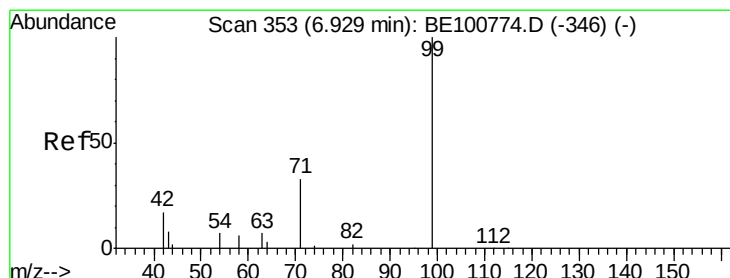
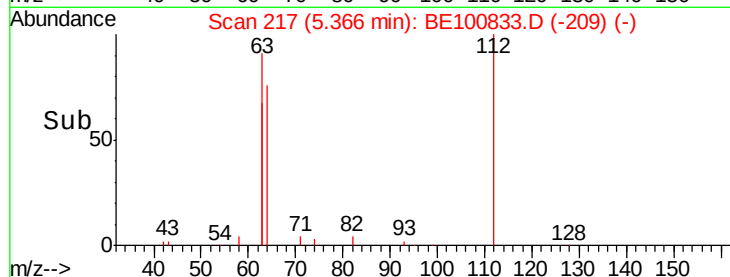
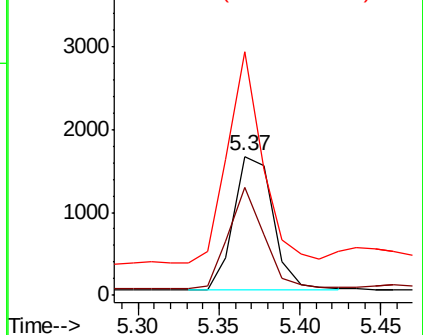
63 139.1 113.2 169.8



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.127 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100833.D

Acq: 11 Dec 2019 5:27

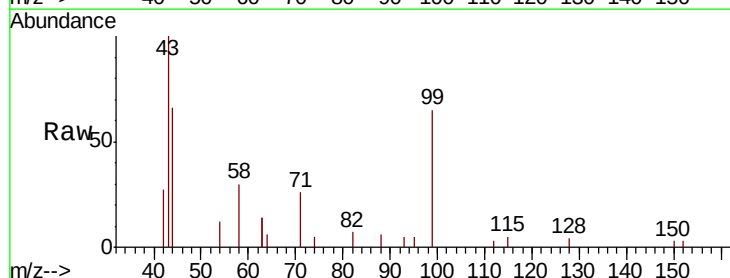
Tgt Ion: 99 Resp: 2594

Ion Ratio Lower Upper

99 100

42 35.1 19.1 28.7#

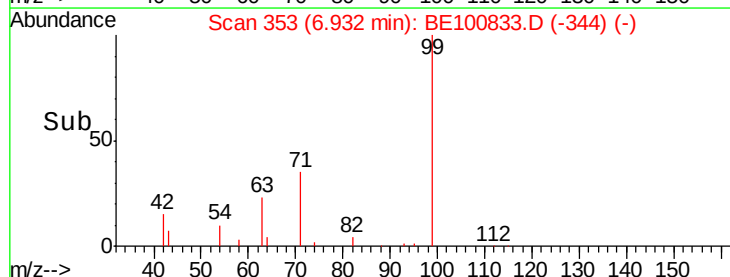
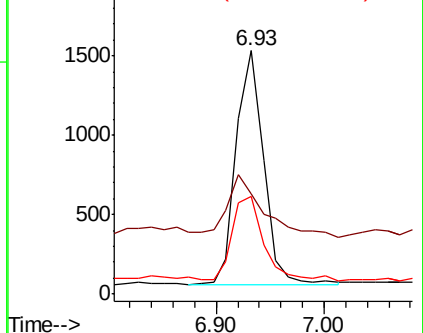
71 41.5 27.7 41.5

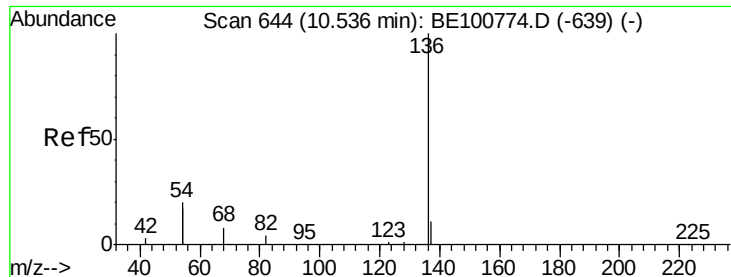


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: BE100833.D

Acq: 11 Dec 2019 5:27

Instrument :

BNA\_E

ClientSampleId :

RE103D2-20191204

Tot Ion:136 Resp: 26713

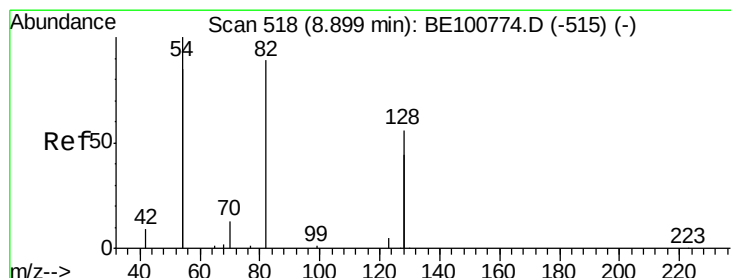
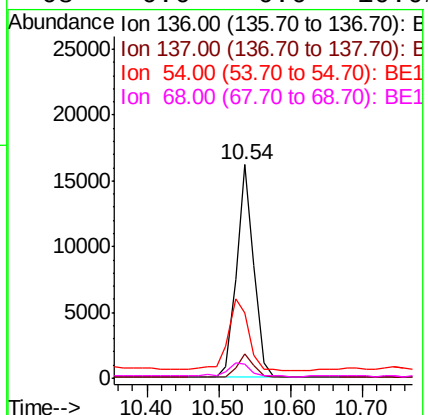
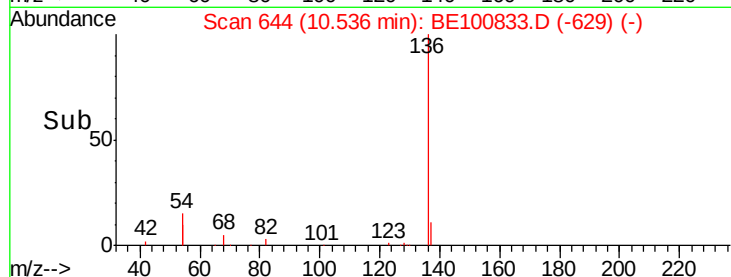
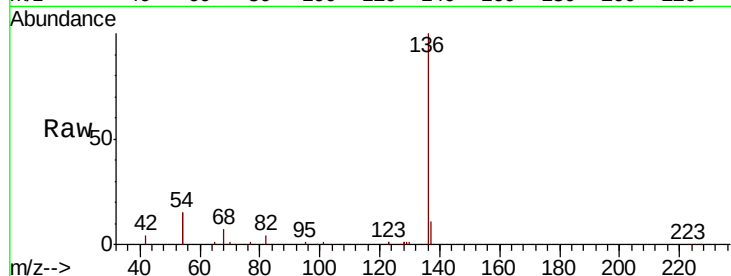
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 30.5 31.1 46.7#

68 6.6 6.6 10.0#



#8

Nitrobenzene-d5

Concen: 0.548 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100833.D

Acq: 11 Dec 2019 5:27

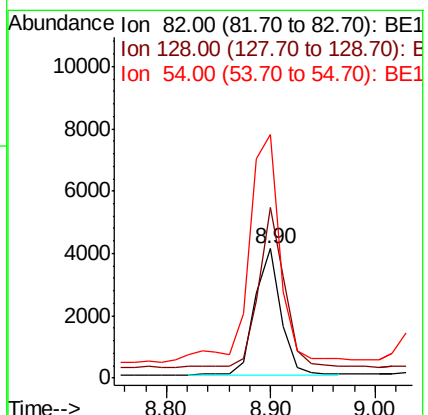
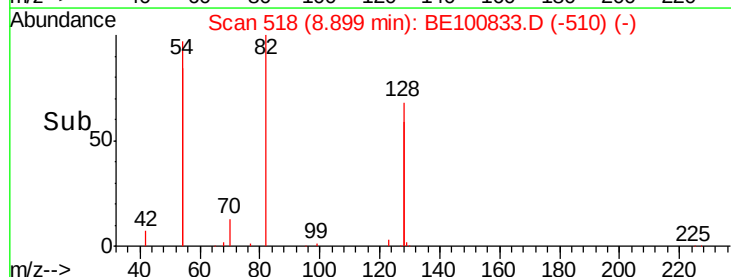
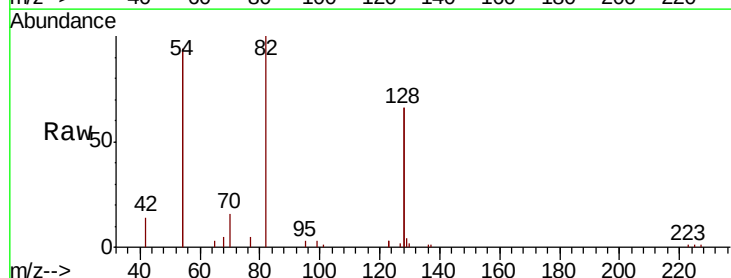
Tgt Ion: 82 Resp: 6973

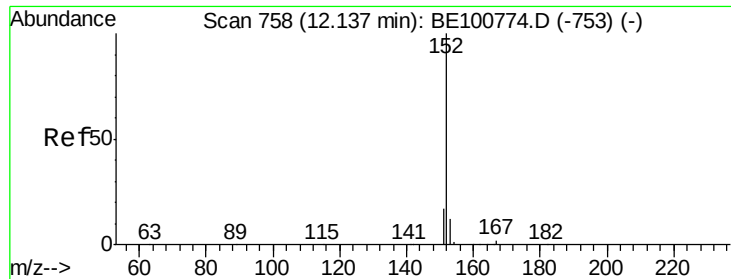
Ion Ratio Lower Upper

82 100

128 131.8 97.0 145.4

54 187.8 171.8 257.6

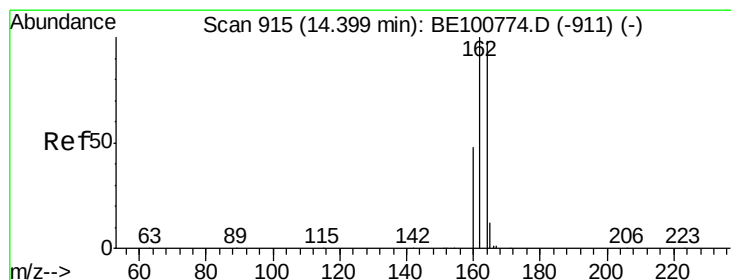
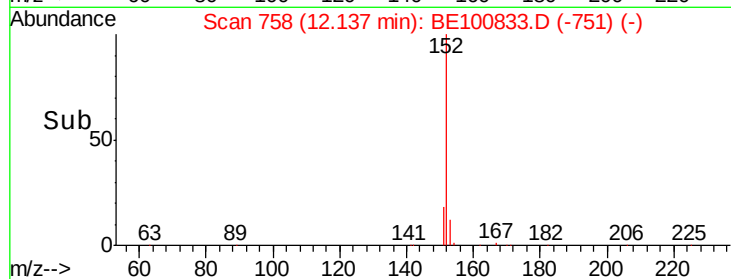
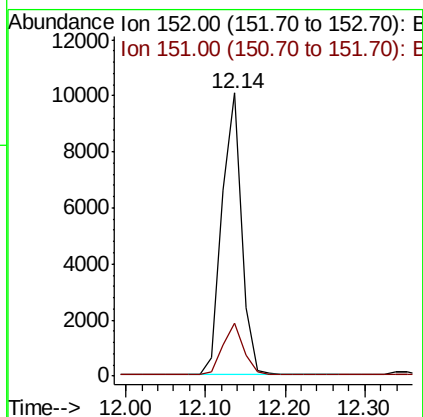
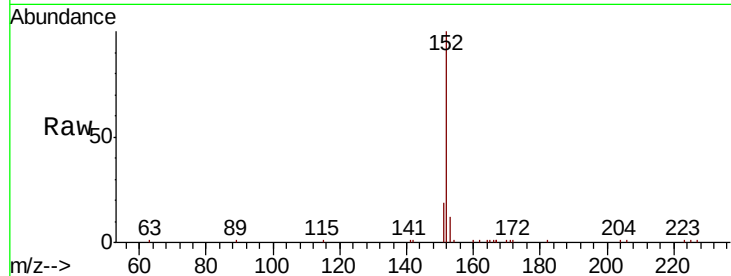




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.443 ng  
 RT: 12.14 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

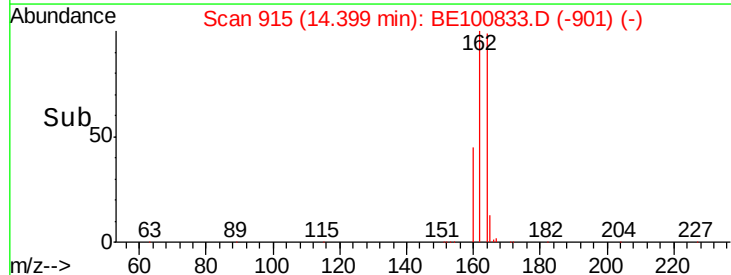
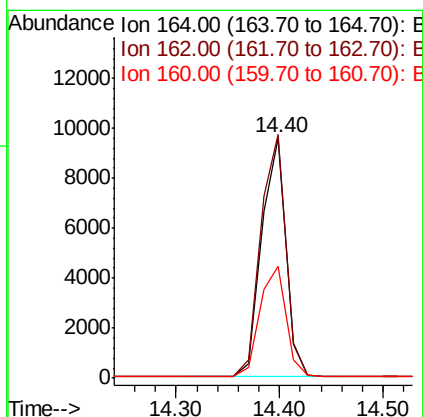
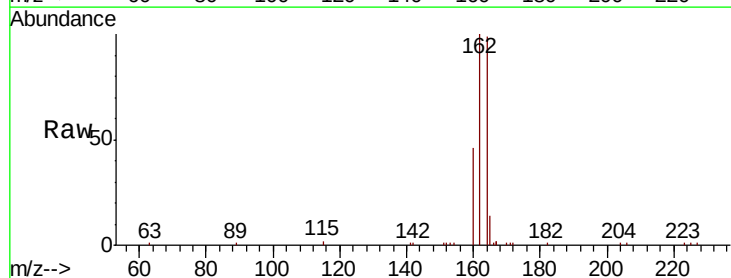
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-20191204

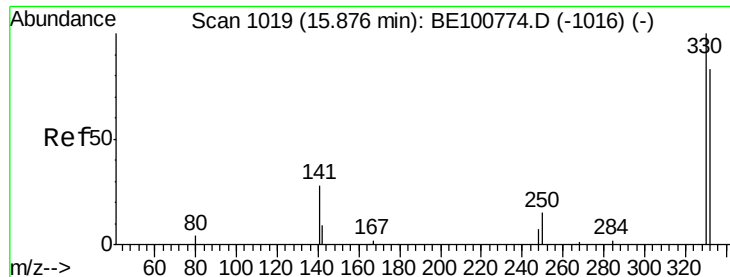
Tot Ion:152 Resp: 17138  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.8 23.8



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.40 min Scan# 915  
 Delta R.T. 0.00 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Tgt Ion:164 Resp: 15709  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 81.4 122.0  
 160 46.6 39.4 59.0

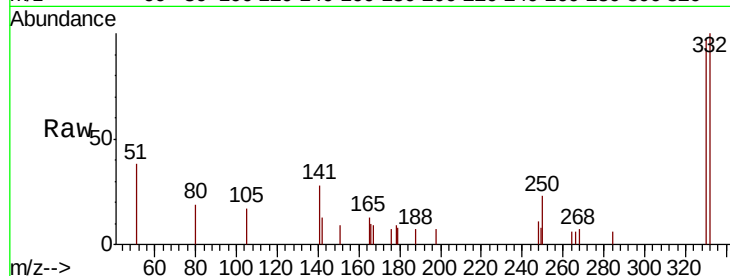




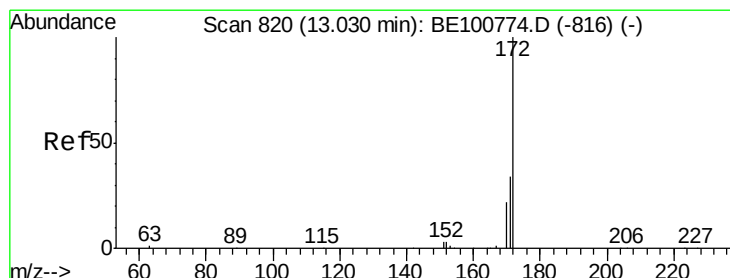
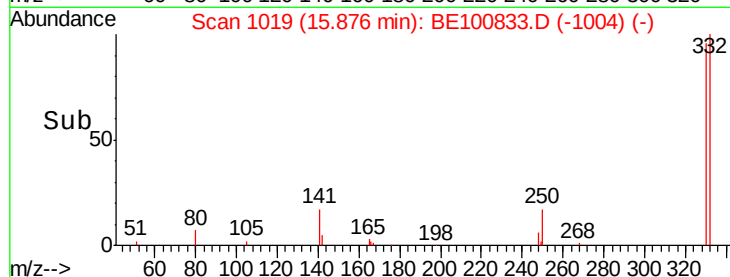
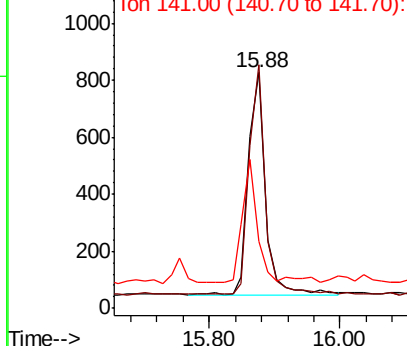
#14  
 2,4,6-Tribromophenol  
 Concen: 0.798 ng  
 RT: 15.88 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-20191204

Tot Ion:330 Resp: 1395  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 69.4 104.2  
 141 50.3 51.1 76.7#

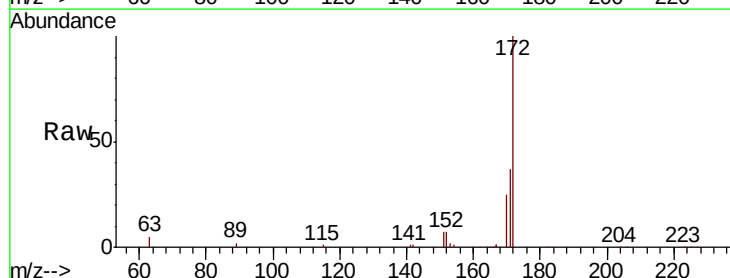


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

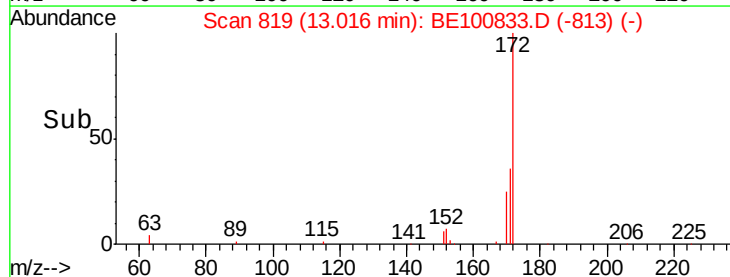
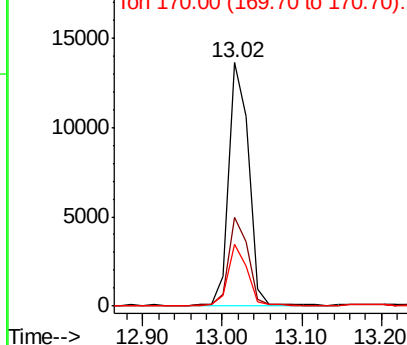


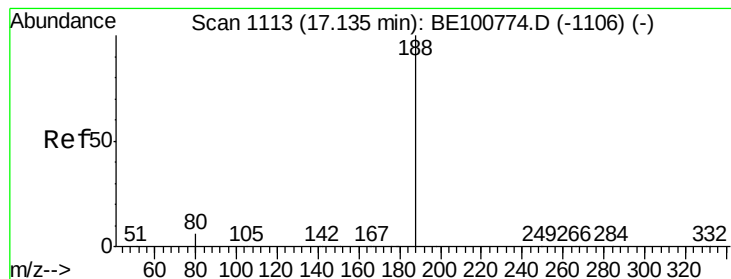
#15  
 2-Fluorobiphenyl  
 Concen: 0.372 ng  
 RT: 13.02 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Tgt Ion:172 Resp: 23195  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 27.2 40.8  
 170 25.2 18.0 27.0



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. -0.01 min

Lab File: BE100833.D

Acq: 11 Dec 2019 5:27

Instrument :

BNA\_E

ClientSampleId :

RE103D2-20191204

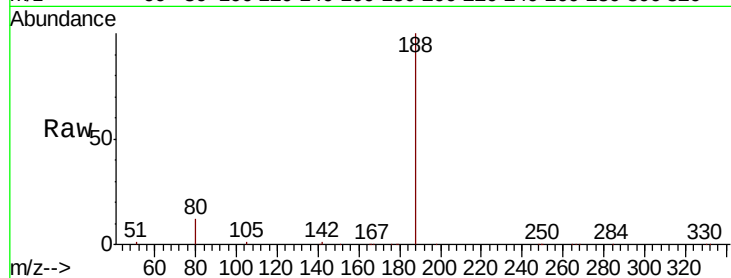
Tot Ion:188 Resp: 37189

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

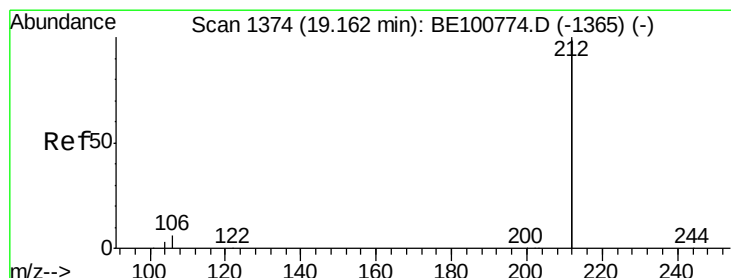
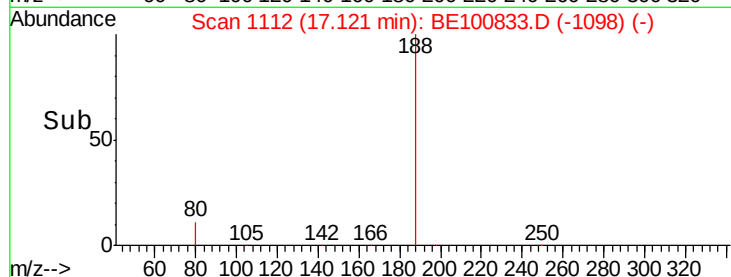
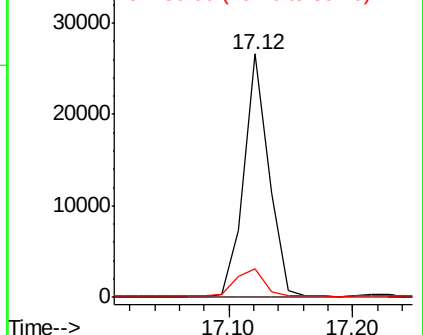
80 11.5 5.2 7.8#



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



#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100833.D

Acq: 11 Dec 2019 5:27

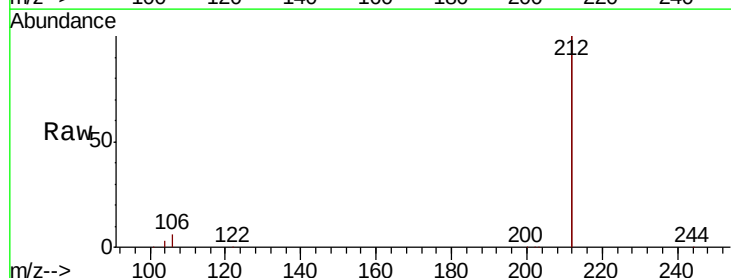
Tgt Ion:212 Resp: 174441

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

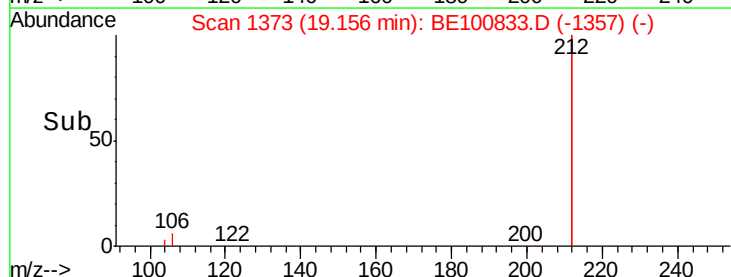
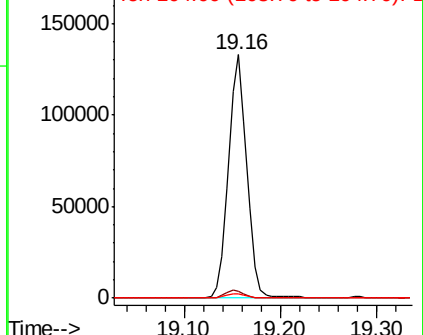
104 2.0 1.4 2.2



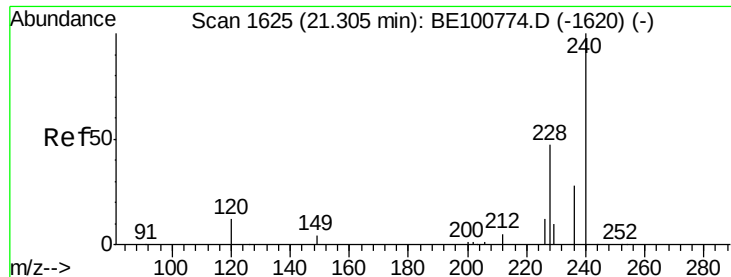
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



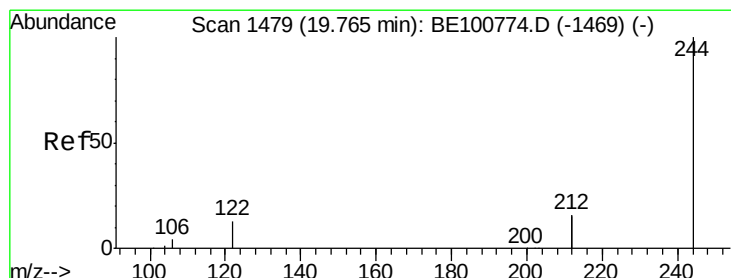
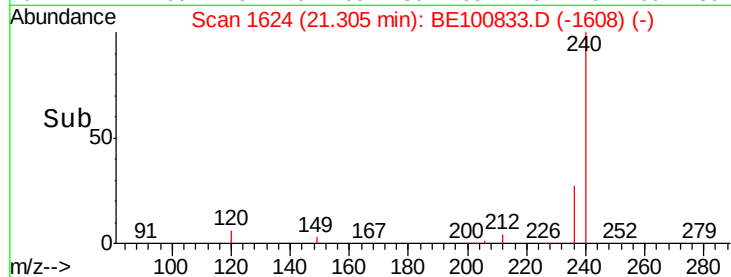
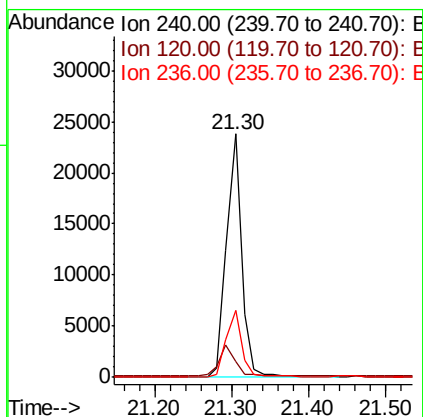
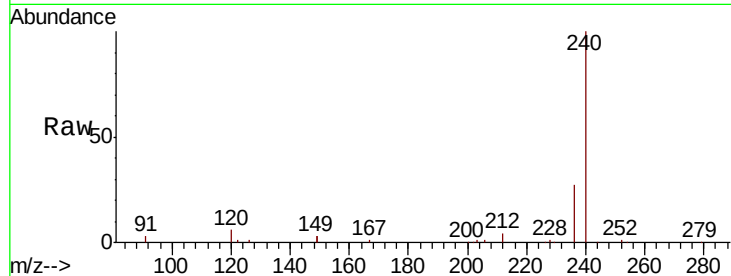




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.30 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

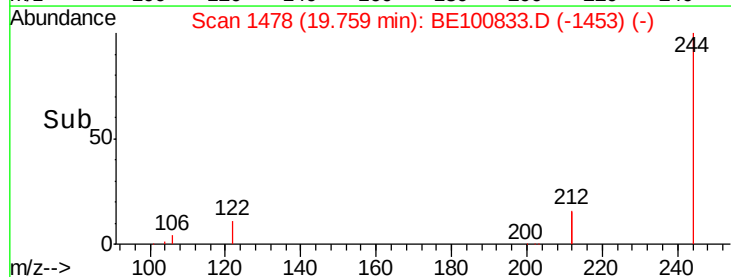
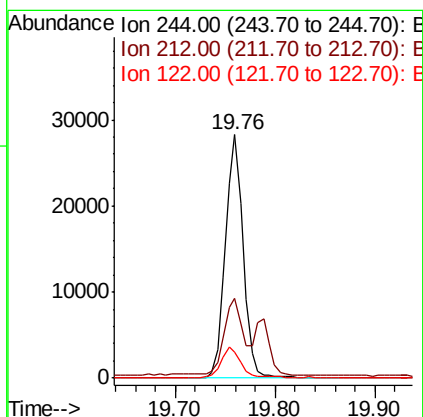
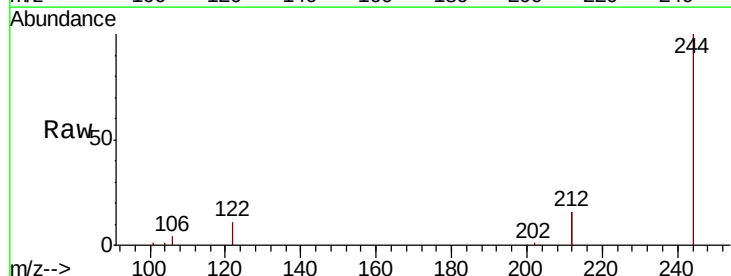
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-20191204

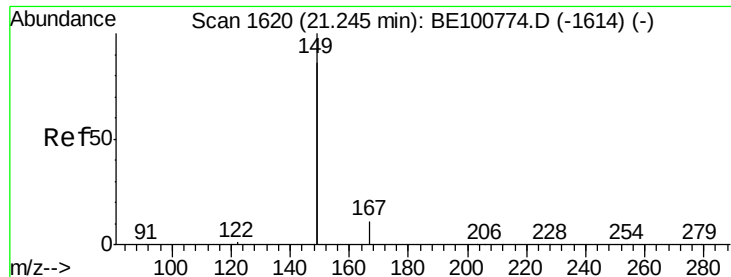
Tot Ion:240 Resp: 32429  
 Ion Ratio Lower Upper  
 240 100  
 120 6.5 10.2 15.2#  
 236 27.3 22.3 33.5



#29  
 Terphenyl-d14  
 Concen: 0.446 ng  
 RT: 19.76 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Tgt Ion:244 Resp: 34622  
 Ion Ratio Lower Upper  
 244 100  
 212 32.7 26.2 39.4  
 122 10.9 10.2 15.4

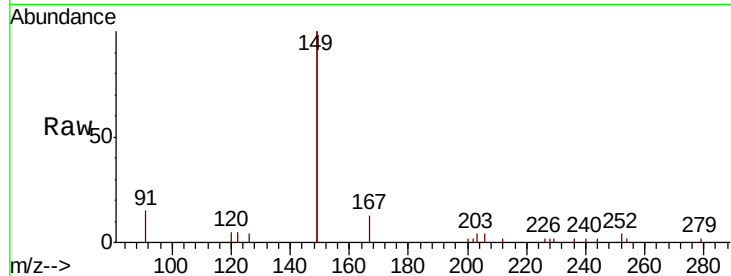




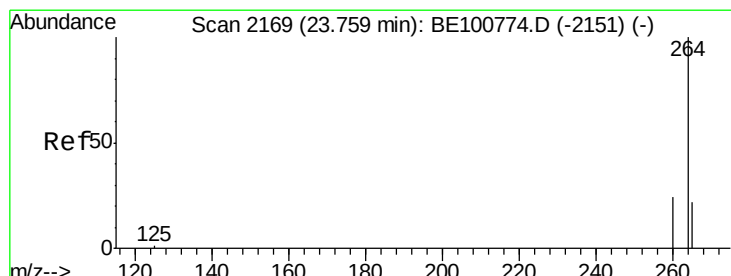
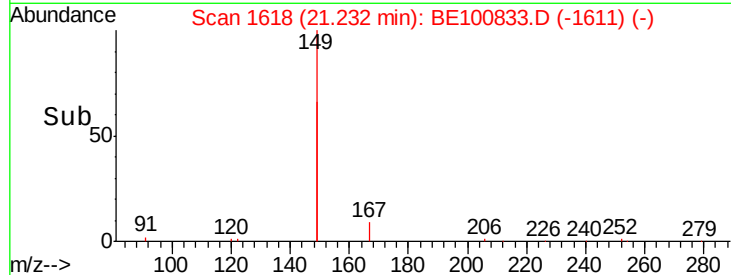
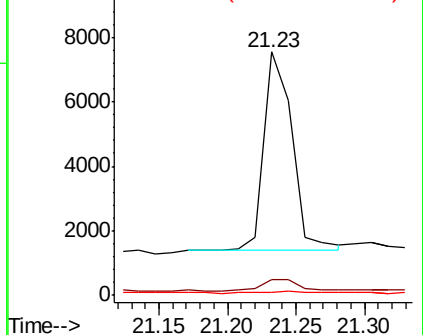
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.081 ng  
 RT: 21.23 min Scan# 1618  
 Delta R.T. -0.01 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D2-20191204

Tot Ion:149 Resp: 8718  
 Ion Ratio Lower Upper  
 149 100  
 167 8.2 5.0 7.6#  
 279 1.5 0.7 1.1#

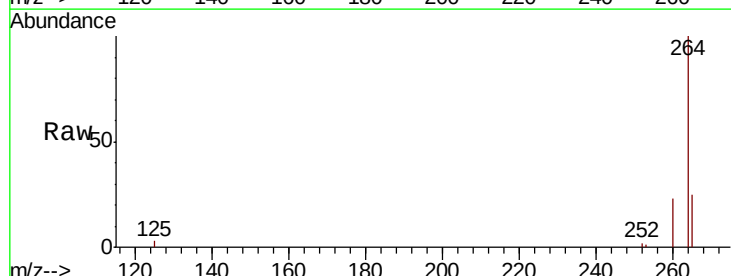


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.75 min Scan# 2165  
 Delta R.T. -0.01 min  
 Lab File: BE100833.D  
 Acq: 11 Dec 2019 5:27

Tgt Ion:264 Resp: 36889  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.4 29.2  
 265 24.8 21.8 32.8



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

