

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121719\  
 Data File : BE100948.D  
 Acq On : 17 Dec 2019 12:33  
 Operator : JU  
 Sample : K6252-08DL 2X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE120D1-20191210DL

Quant Time: Dec 17 17:34:04 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

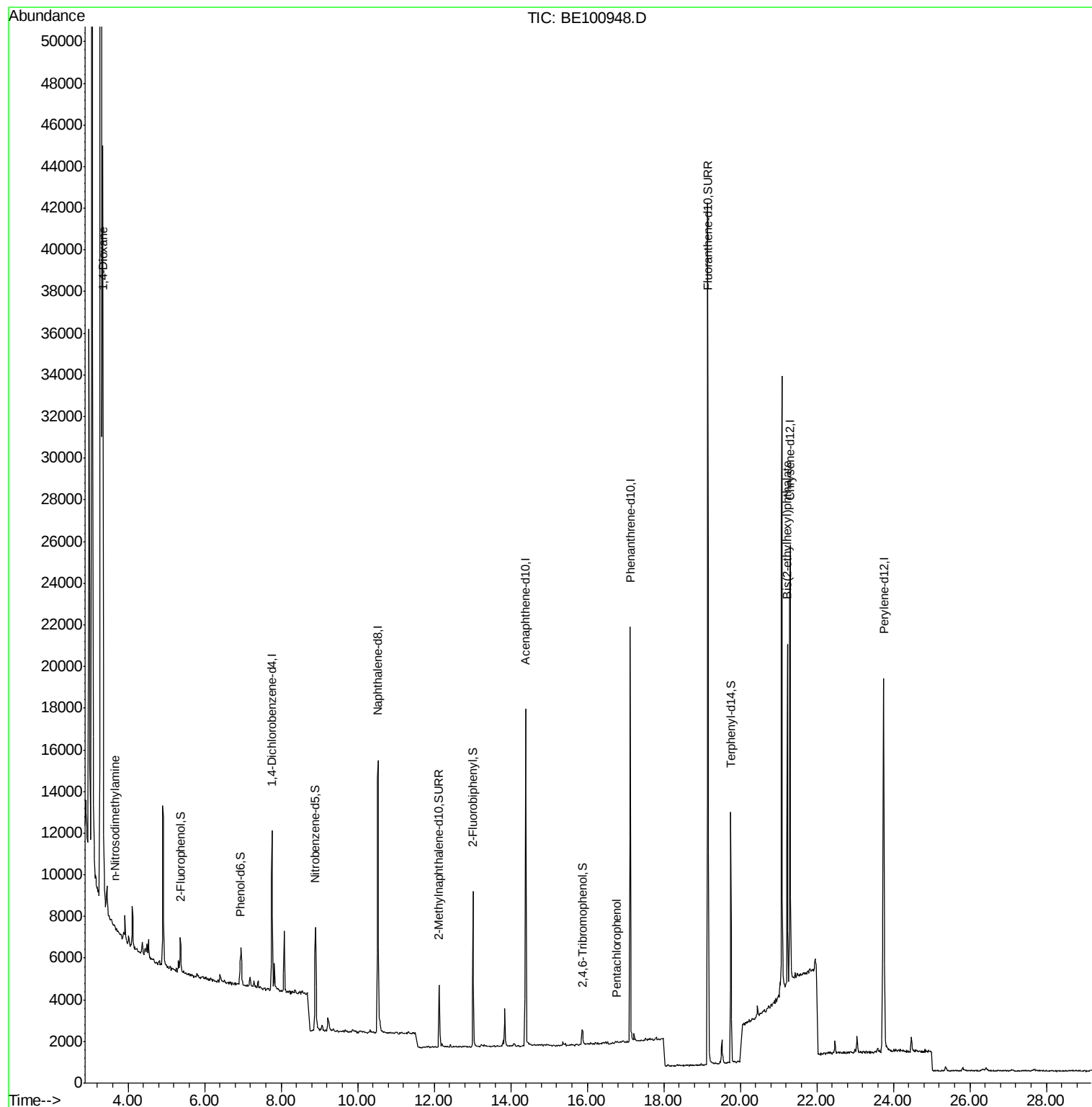
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 3495     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 16448    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.38 | 164  | 10362    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 25571    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.31 | 240  | 23785    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.74 | 264  | 27819    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.37  | 112  | 915      | 0.11  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.93  | 99   | 910      | 0.07  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 2227     | 0.28  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 4757     | 0.20  | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 474      | 0.41  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 6688     | 0.16  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 54628    | 0.18  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.75 | 244  | 10488    | 0.18  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 21141    | 3.318 | ng    | # 89     |
| 3) n-Nitrosodimethylamine      | 3.65  | 42   | 117      | 0.023 | ng    | # 39     |
| 22) Pentachlorophenol          | 16.77 | 266  | 59       | 0.063 | ng    | # 83     |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 17222    | 0.345 | ng    | # 99     |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

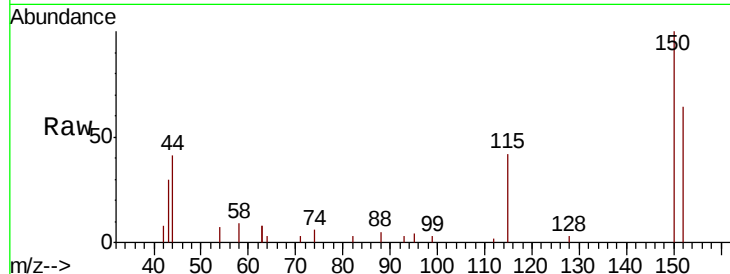




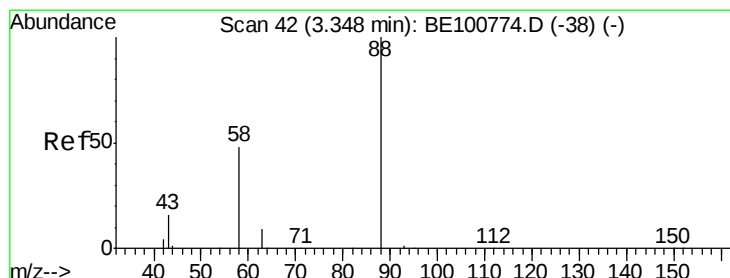
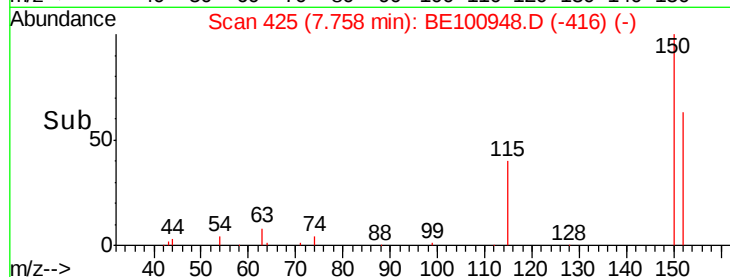
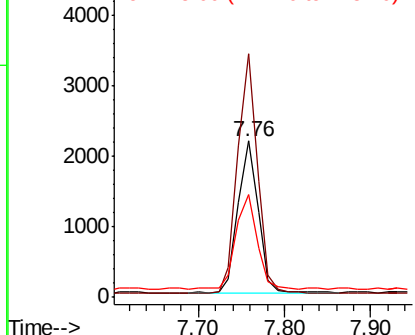
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.76 min Scan# 425  
 Delta R.T. 0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE120D1-20191210DL

Tot Ion:152 Resp: 3495  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 125.5 188.3  
 115 66.0 55.7 83.5

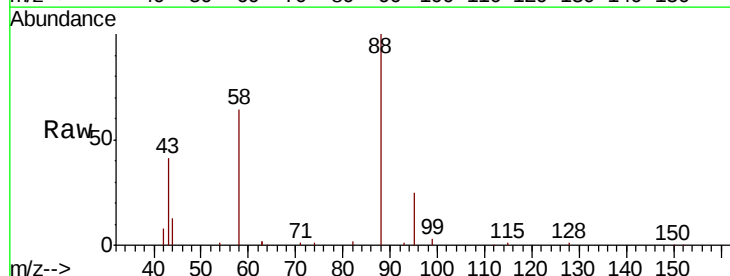


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

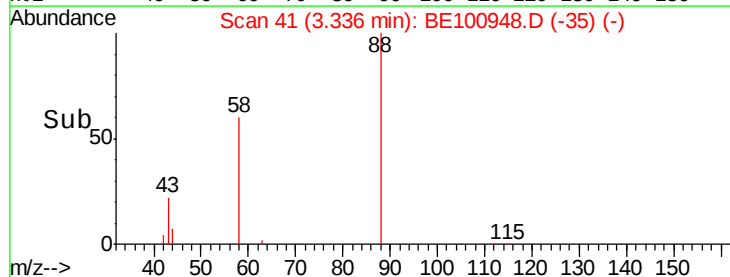
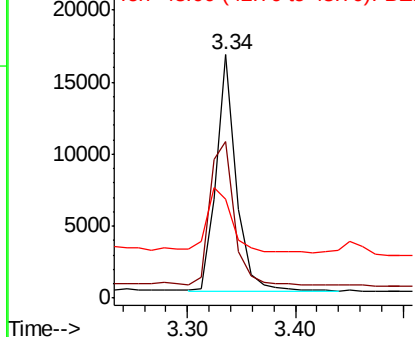


#2  
 1,4-Dioxane  
 Concen: 3.318 ng  
 RT: 3.34 min Scan# 41  
 Delta R.T. 0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Tgt Ion: 88 Resp: 21141  
 Ion Ratio Lower Upper  
 88 100  
 58 73.8 52.3 78.5  
 43 35.8 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: 0.023 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100948.D

Acq: 17 Dec 2019 12:33

Instrument :

BNA\_E

ClientSampleId :

RE120D1-20191210DL

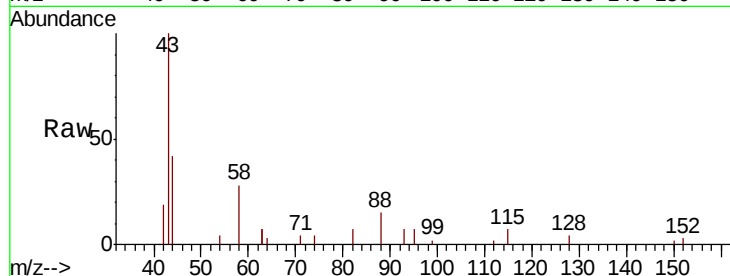
Tot Ion: 42 Resp: 117

Ion Ratio Lower Upper

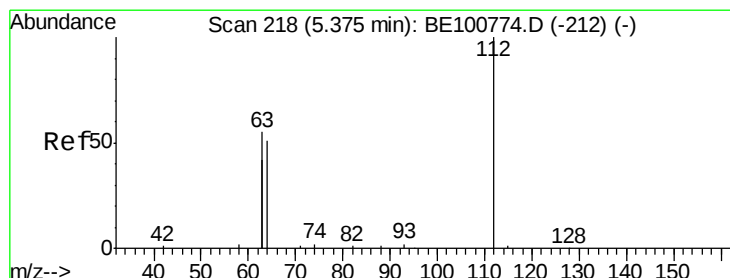
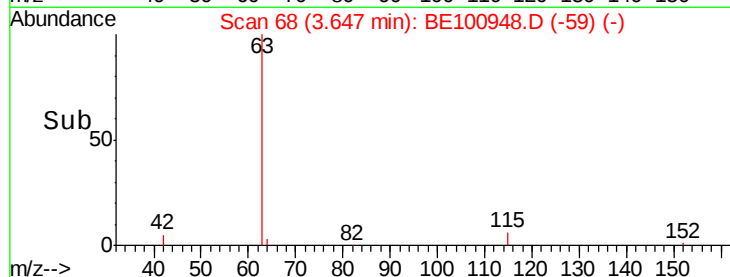
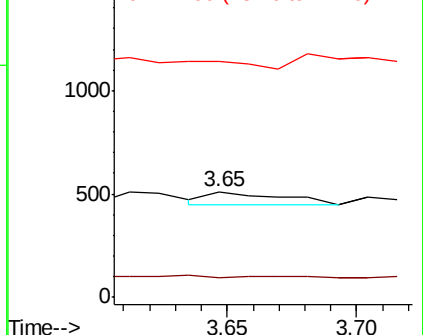
42 100

74 43.6 90.3 135.5#

44 0.0 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: 0.110 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100948.D

Acq: 17 Dec 2019 12:33

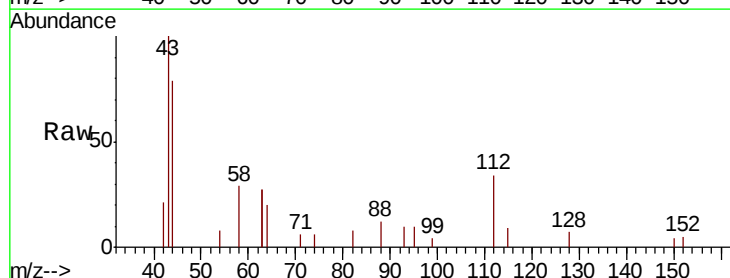
Tgt Ion: 112 Resp: 915

Ion Ratio Lower Upper

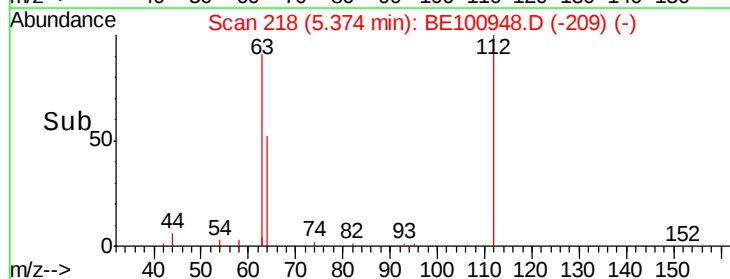
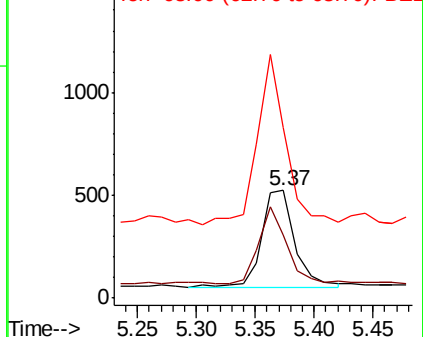
112 100

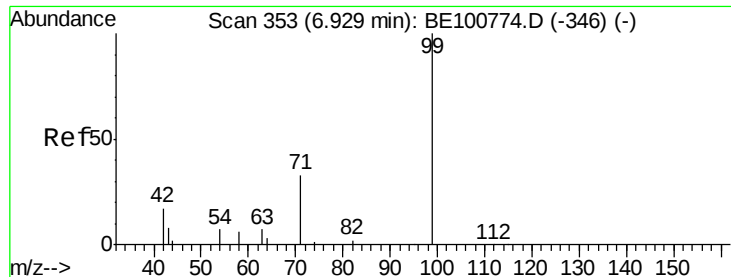
64 65.6 54.5 81.7

63 152.1 116.1 174.1



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: 0.073 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100948.D

Acq: 17 Dec 2019 12:33

Instrument :

BNA\_E

ClientSampleId :

RE120D1-20191210DL

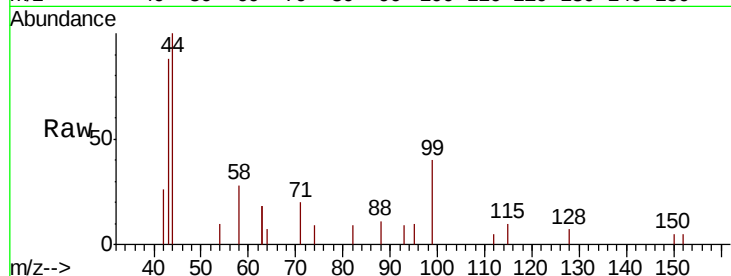
Tot Ion: 99 Resp: 910

Ion Ratio Lower Upper

99 100

42 48.8 18.2 27.2#

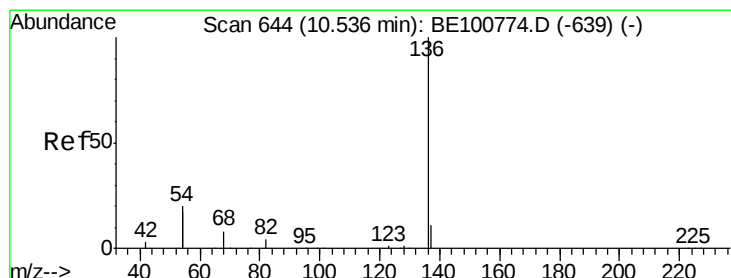
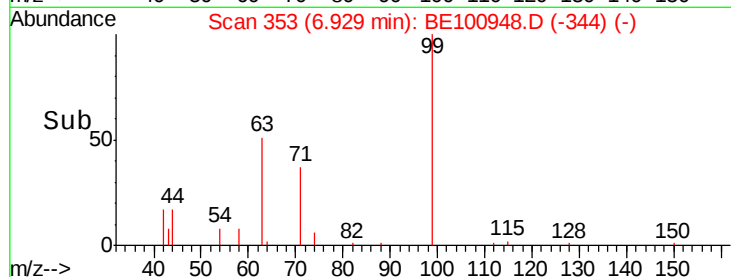
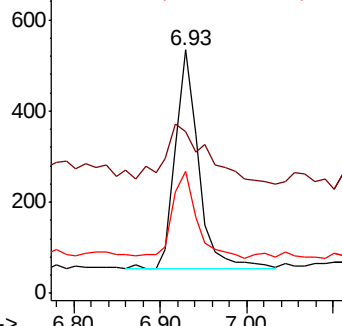
71 41.3 29.1 43.7



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: BE100948.D

Acq: 17 Dec 2019 12:33

Tgt Ion: 136 Resp: 16448

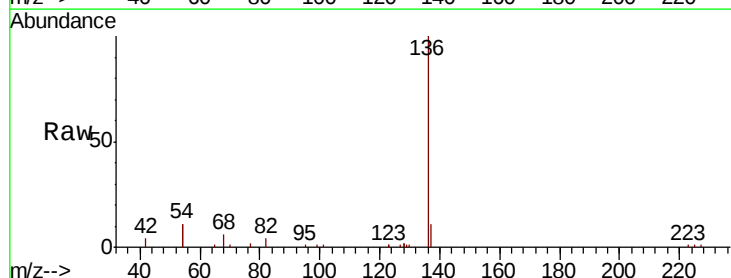
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 22.9 18.9 28.3

68 5.9 4.6 6.8

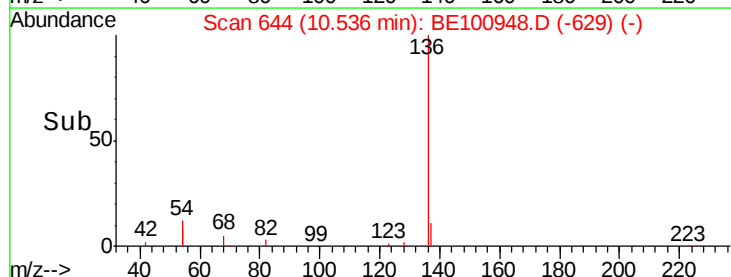
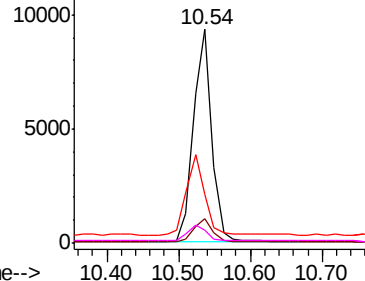


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1

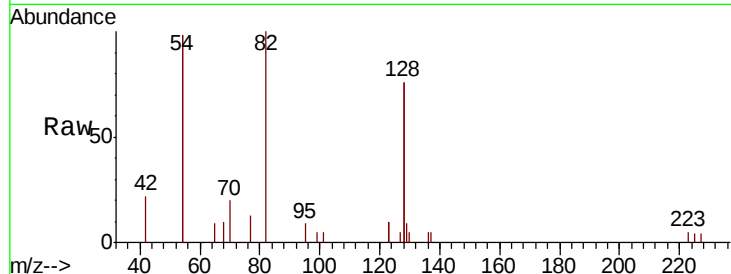




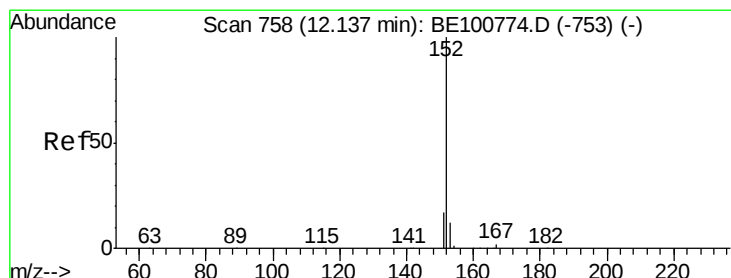
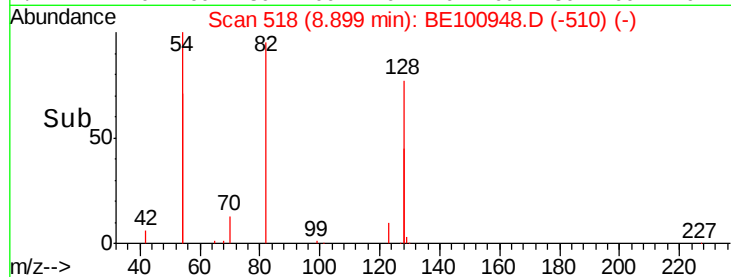
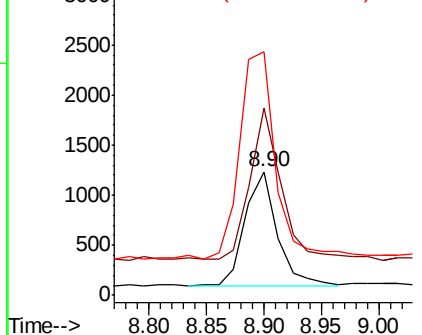
#8  
 Nitrobenzene-d5  
 Concen: 0.284 ng  
 RT: 8.90 min Scan# 518  
 Delta R.T. -0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE120D1-20191210DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 151.5 | 113.5 | 170.3 |
| 54      | 196.4 | 138.9 | 208.3 |

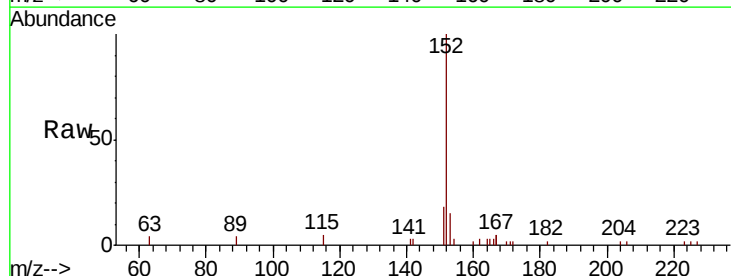


Abundance Ion 82.00 (81.70 to 82.70): BE1  
 Ion 128.00 (127.70 to 128.70): BE1  
 Ion 54.00 (53.70 to 54.70): BE1

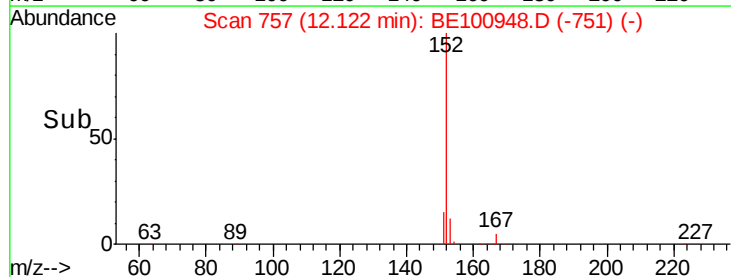
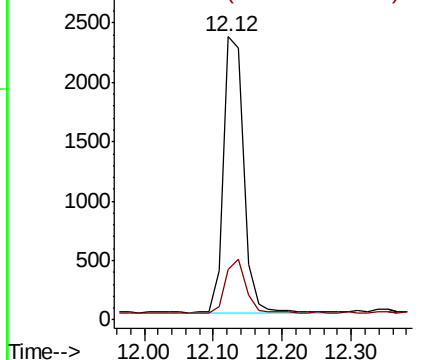


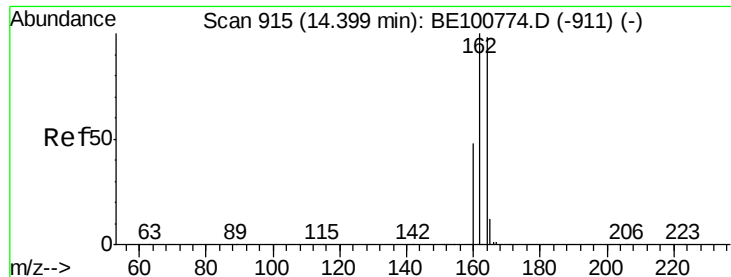
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.200 ng  
 RT: 12.12 min Scan# 757  
 Delta R.T. -0.02 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 15.1  | 22.7  |



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

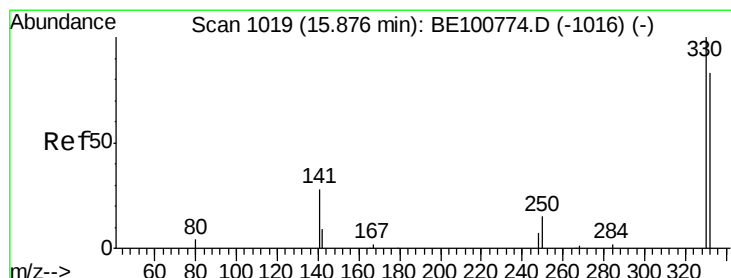
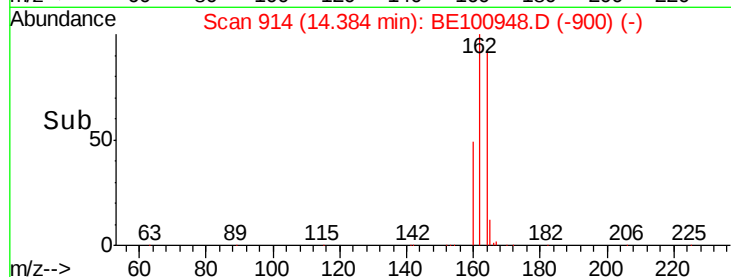
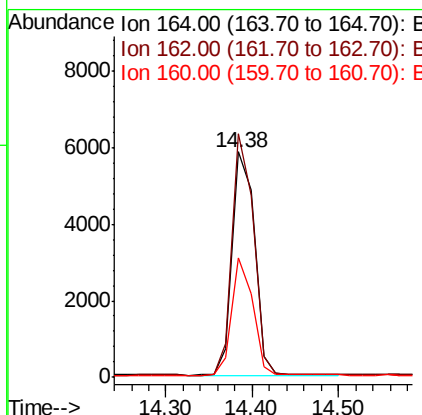
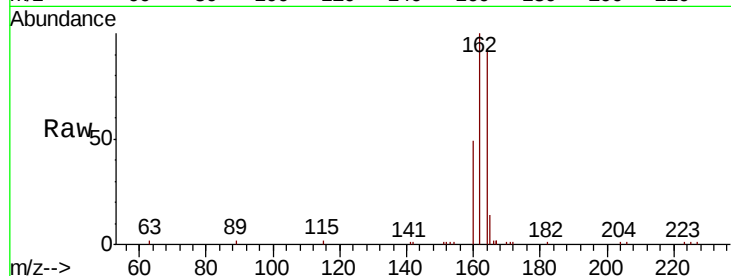




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.38 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BE100948.D  
Acq: 17 Dec 2019 12:33

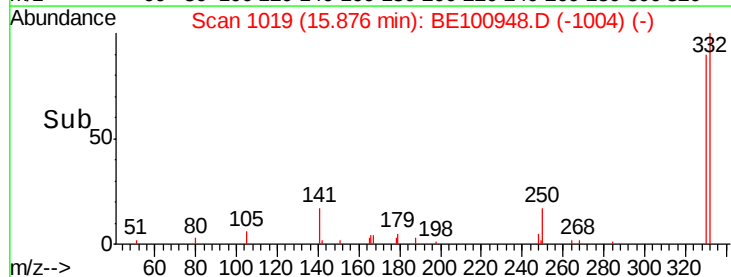
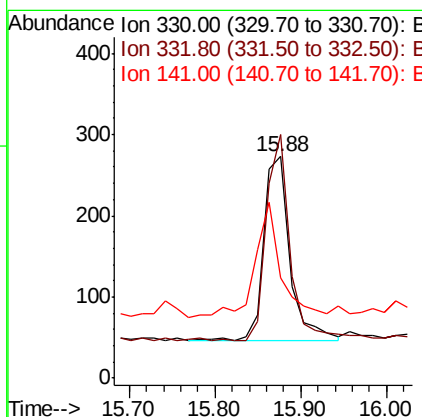
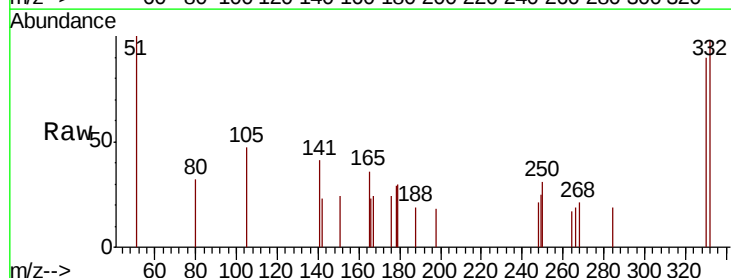
Instrument :  
BNA\_E  
ClientSampleId :  
RE120D1-20191210DL

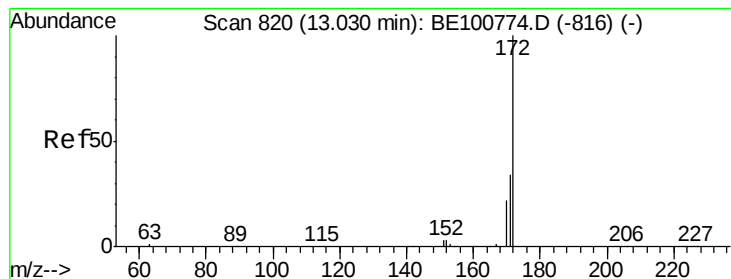
Tot Ion:164 Resp: 10362  
Ion Ratio Lower Upper  
164 100  
162 107.9 86.0 129.0  
160 53.2 42.3 63.5



#14  
2,4,6-Tribromophenol  
Concen: 0.411 ng  
RT: 15.88 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BE100948.D  
Acq: 17 Dec 2019 12:33

Tgt Ion:330 Resp: 474  
Ion Ratio Lower Upper  
330 100  
332 103.2 74.1 111.1  
141 62.4 46.7 70.1





#15

2-Fluorobiphenyl

Concen: 0.163 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE100948.D

Acq: 17 Dec 2019 12:33

Instrument :

BNA\_E

ClientSampleId :

RE120D1-20191210DL

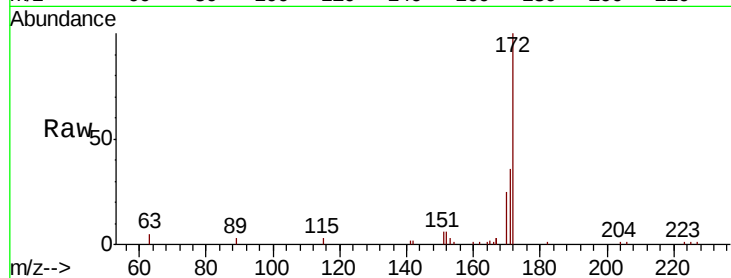
Tot Ion:172 Resp: 6688

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

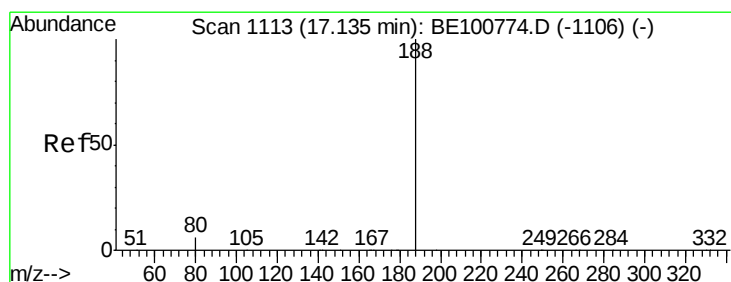
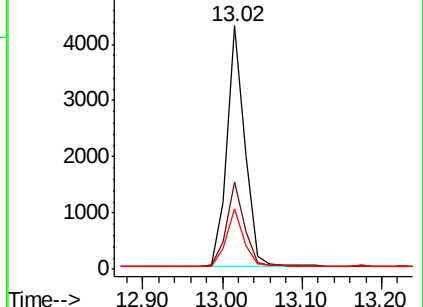
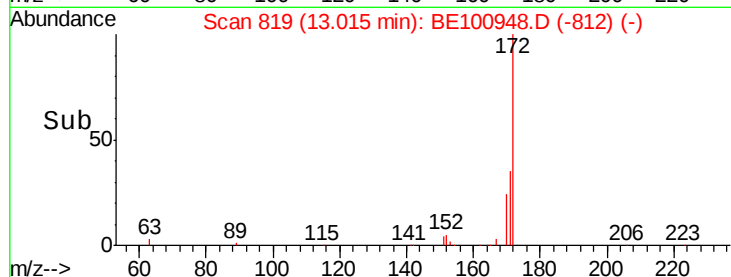
170 24.9 19.4 29.0



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: BE100948.D

Acq: 17 Dec 2019 12:33

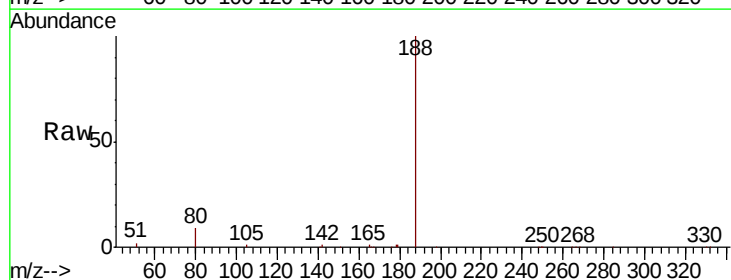
Tgt Ion:188 Resp: 25571

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

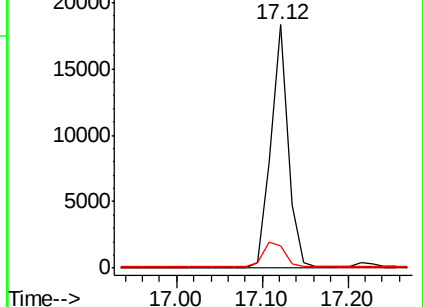
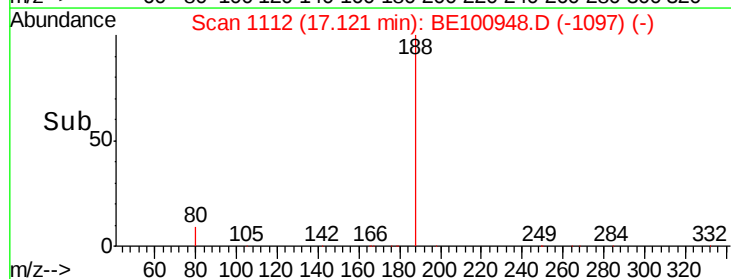
80 9.1 7.9 11.9

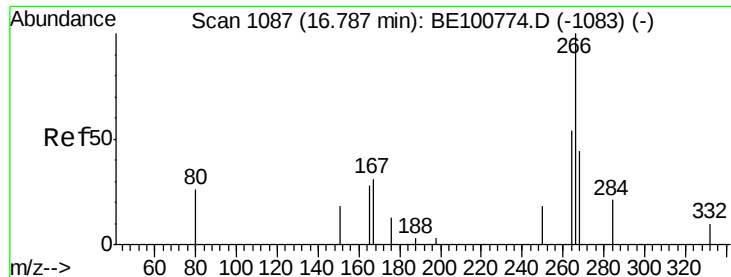


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

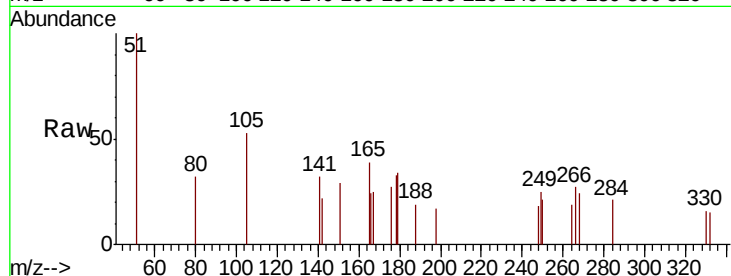




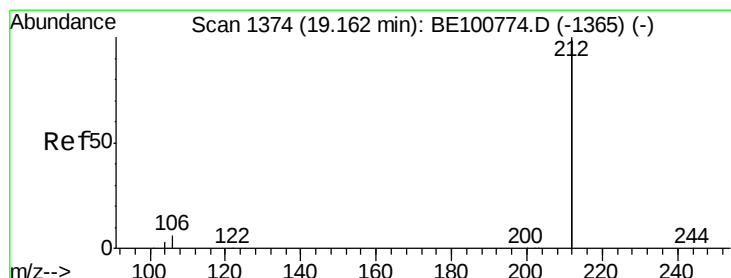
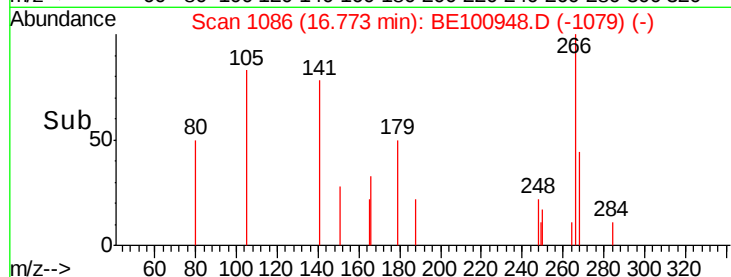
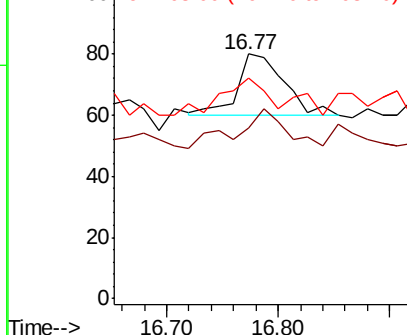
#22  
 Pentachlorophenol  
 Concen: 0.063 ng  
 RT: 16.77 min Scan# 1086  
 Delta R.T. -0.01 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE120D1-20191210DL

Tot Ion:266 Resp: 59  
 Ion Ratio Lower Upper  
 266 100  
 264 70.0 55.1 82.7  
 268 90.0 50.7 76.1#

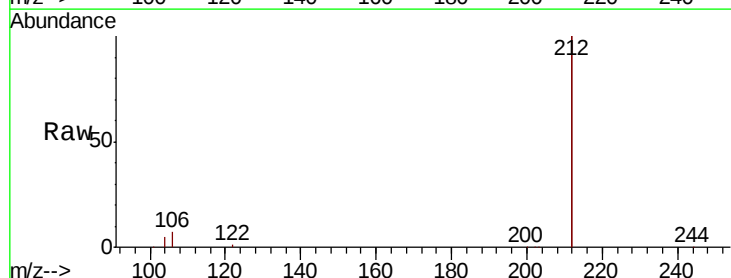


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

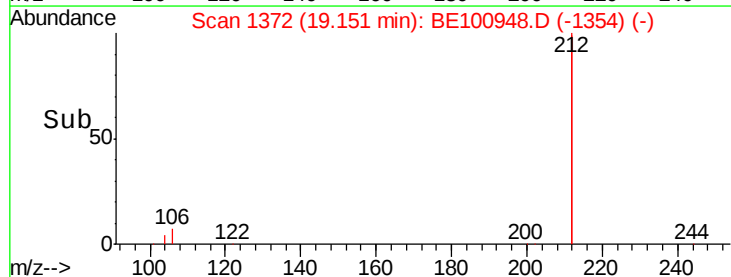
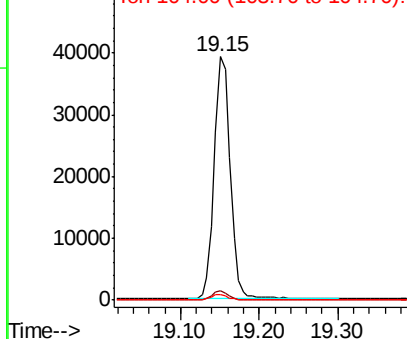


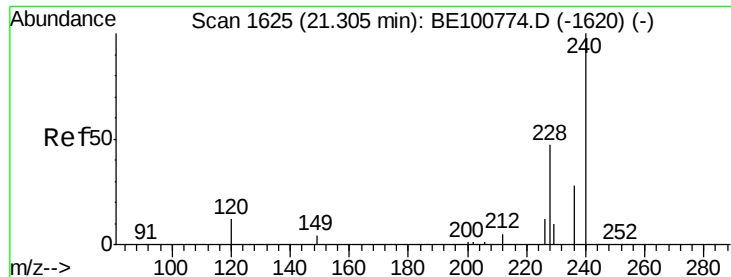
#25  
 Fluoranthene-d10  
 Concen: 0.181 ng  
 RT: 19.15 min Scan# 1372  
 Delta R.T. 0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Tgt Ion:212 Resp: 54628  
 Ion Ratio Lower Upper  
 212 100  
 106 3.4 2.6 4.0  
 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

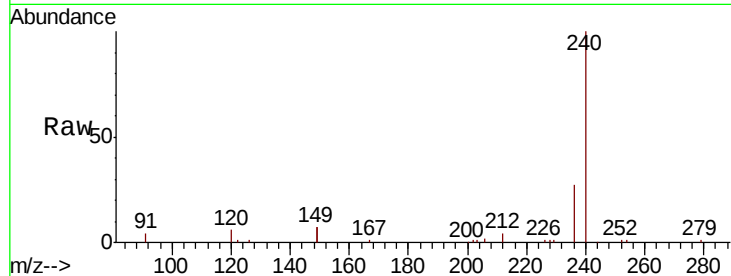




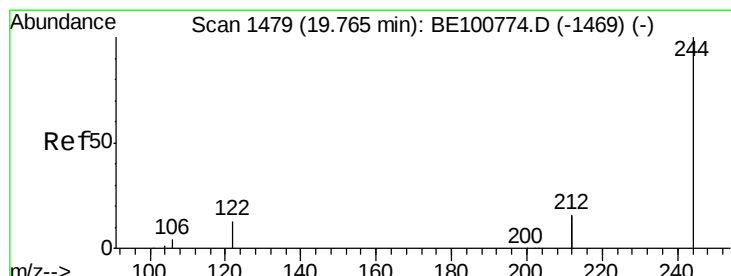
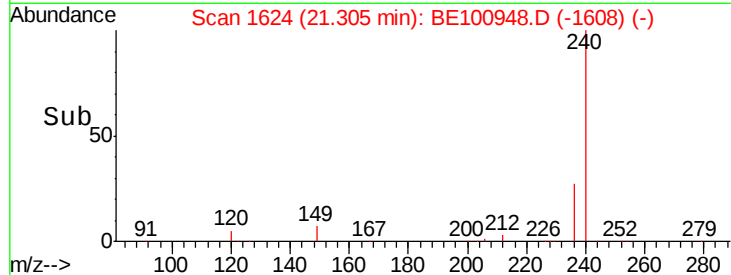
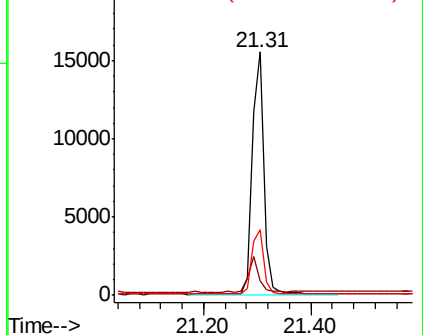
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.31 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: BE100948.D  
Acq: 17 Dec 2019 12:33

Instrument :  
BNA\_E  
ClientSampleId :  
RE120D1-20191210DL

Tot Ion:240 Resp: 23785  
Ion Ratio Lower Upper  
240 100  
120 5.9 4.0 6.0  
236 26.9 21.6 32.4

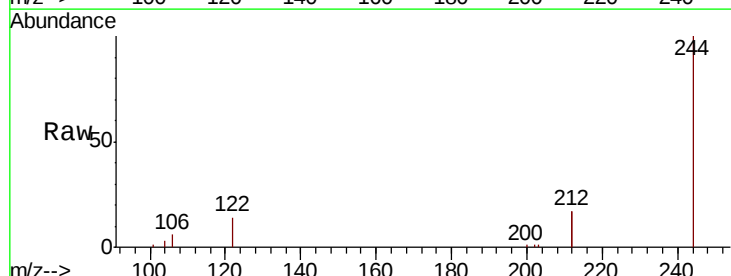


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

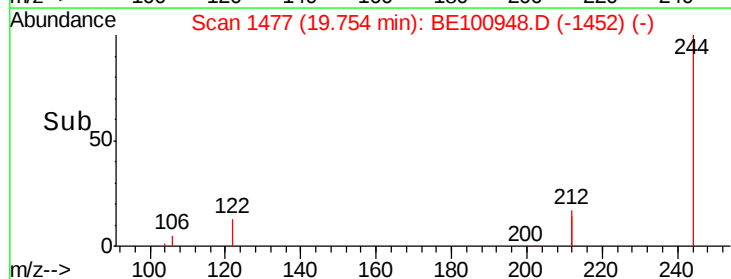
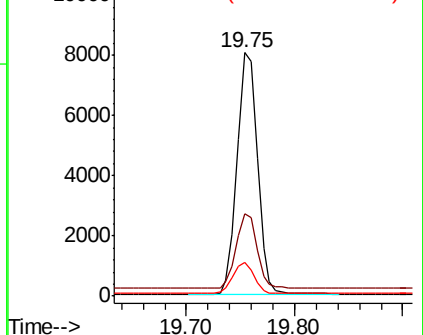


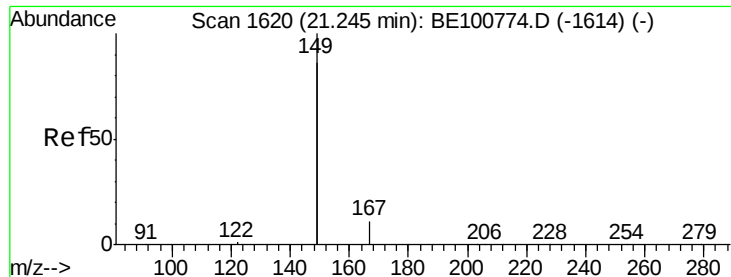
#29  
Terphenyl-d14  
Concen: 0.184 ng  
RT: 19.75 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: BE100948.D  
Acq: 17 Dec 2019 12:33

Tgt Ion:244 Resp: 10488  
Ion Ratio Lower Upper  
244 100  
212 34.0 25.2 37.8  
122 13.7 8.9 13.3#



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

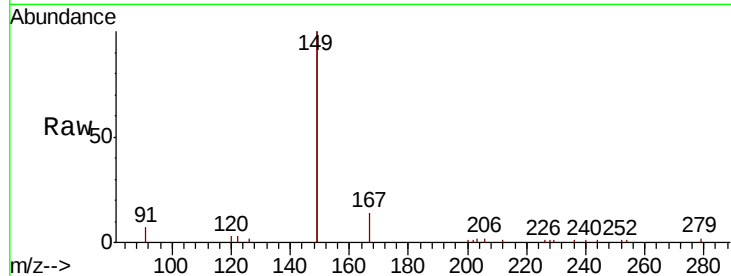




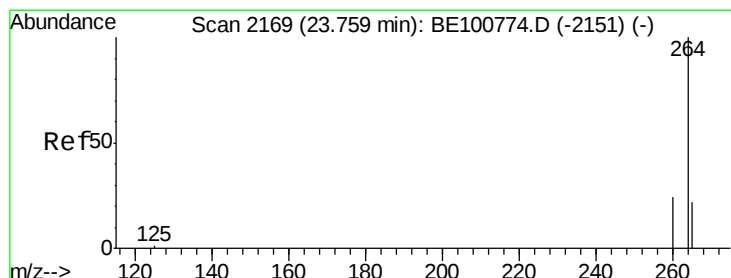
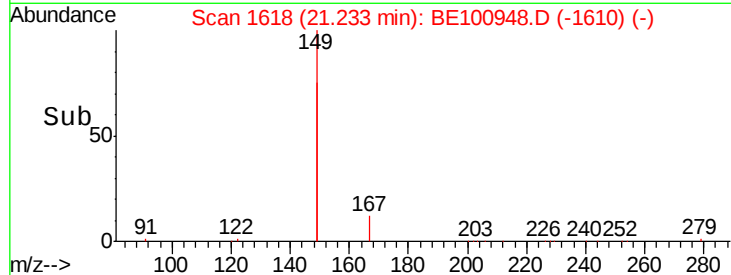
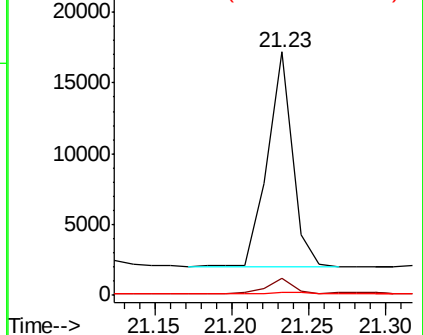
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.345 ng  
 RT: 21.23 min Scan# 1618  
 Delta R.T. -0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE120D1-20191210DL

Tot Ion:149 Resp: 17222  
 Ion Ratio Lower Upper  
 149 100  
 167 6.8 5.0 7.4  
 279 1.0 0.6 1.0#

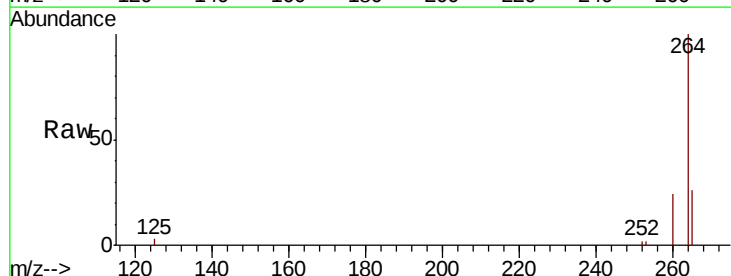


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.74 min Scan# 2164  
 Delta R.T. 0.00 min  
 Lab File: BE100948.D  
 Acq: 17 Dec 2019 12:33

Tgt Ion:264 Resp: 27819  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.4 29.0  
 265 26.5 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

