

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031119\  
 Data File : BE098879.D  
 Acq On : 12 Mar 2019 2:53  
 Operator : JU/SJ  
 Sample : K1841-04  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE122D1-20190308

Quant Time: Mar 12 07:49:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 06 15:33:24 2019  
 Response via : Initial Calibration

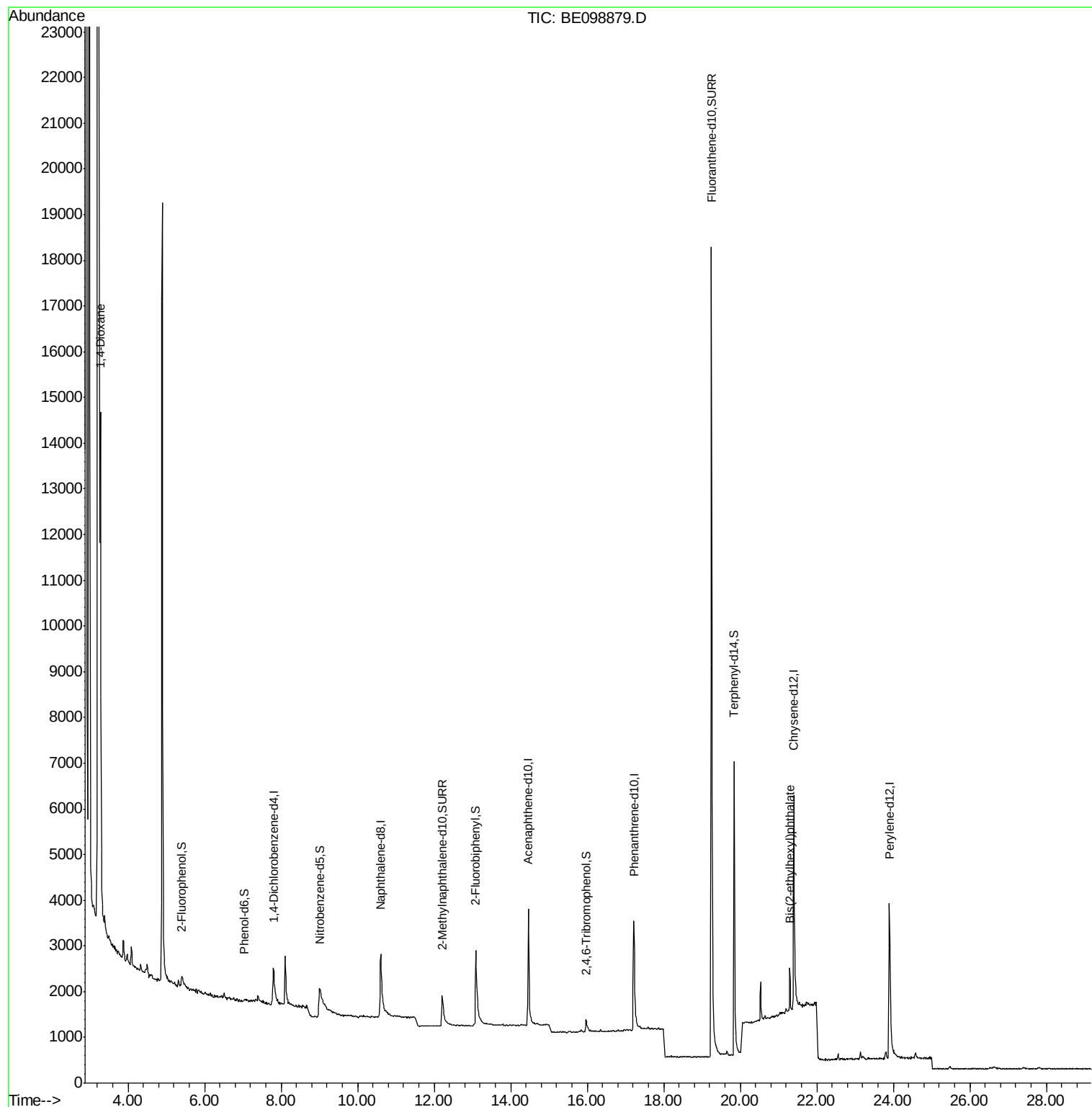
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 734      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 3092     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.46 | 164  | 2210     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.21 | 188  | 5696     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 6688     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.90 | 264  | 6518     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.40  | 112  | 276      | 0.13  | ng    | 0.01     |
| 5) Phenol-d6                   | 7.03  | 99   | 182      | 0.06  | ng    | 0.05     |
| 8) Nitrobenzene-d5             | 9.00  | 82   | 907      | 0.28  | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2081     | 0.36  | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 322      | 0.29  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 3458     | 0.38  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.25 | 212  | 30991    | 0.34  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.84 | 244  | 7453     | 0.46  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.28  | 88   | 5575     | 4.829 | ng    | 96       |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 1289     | 0.029 | ng    | # 98     |

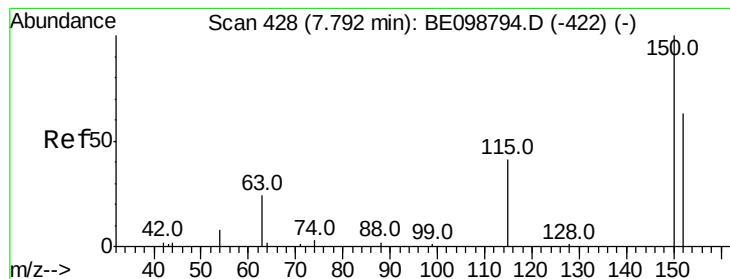
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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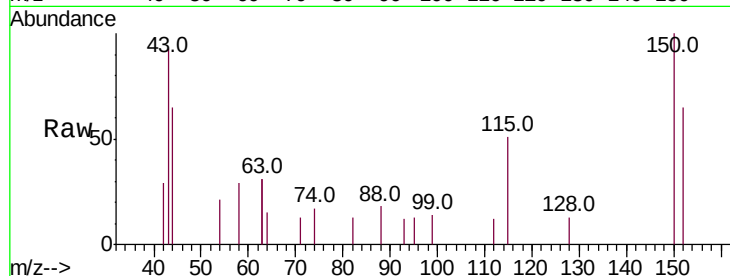


#1

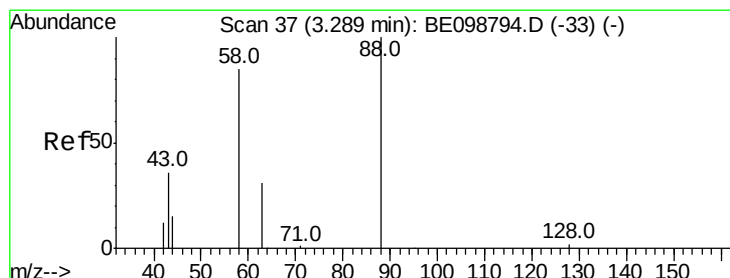
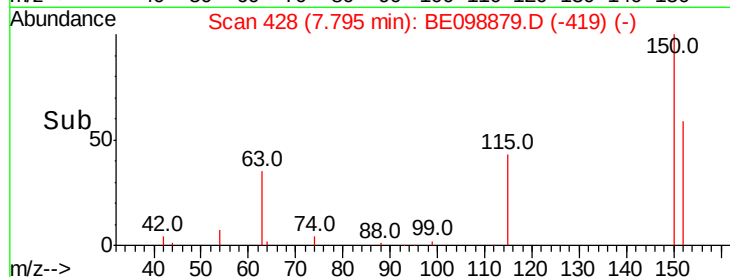
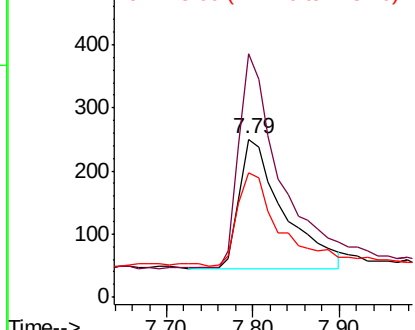
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BE098879.D  
Acq: 12 Mar 2019 2:53

Instrument :  
BNA\_E  
ClientSampleId :  
RE122D1-20190308

Tot Ion:152 Resp: 734  
Ion Ratio Lower Upper  
152 100  
150 154.4 122.5 183.7  
115 79.2 57.4 86.2



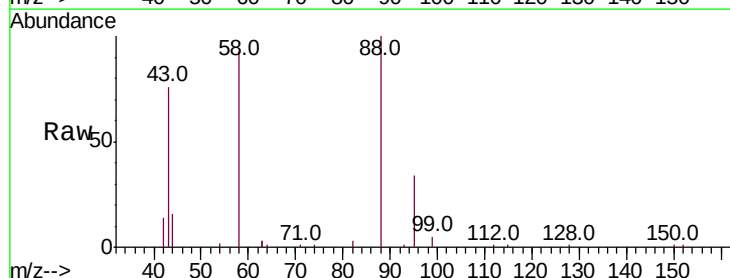
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



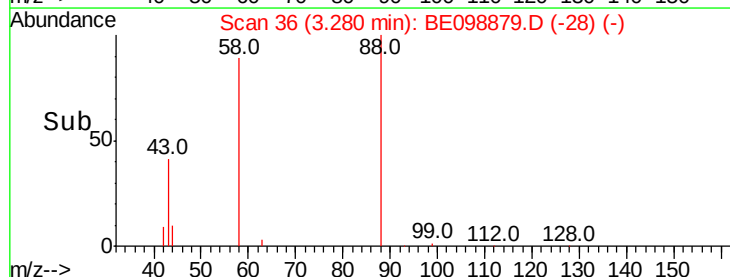
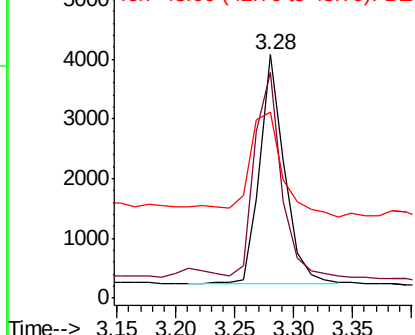
#2

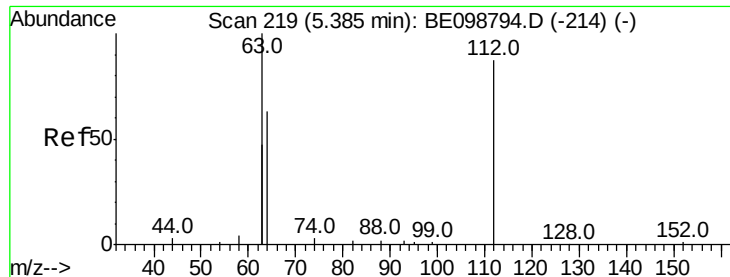
1,4-Dioxane  
Concen: 4.829 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE098879.D  
Acq: 12 Mar 2019 2:53

Tgt Ion: 88 Resp: 5575  
Ion Ratio Lower Upper  
88 100  
58 95.2 75.8 113.6  
43 60.2 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





#4

2-Fluorophenol

Concen: 0.126 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098879.D

Acq: 12 Mar 2019 2:53

Instrument :

BNA\_E

ClientSampleId :

RE122D1-20190308

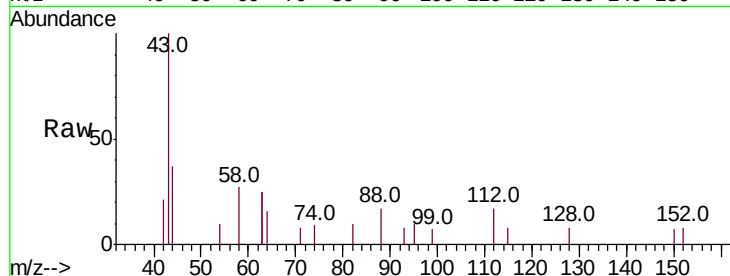
Tot Ion:112 Resp: 276

Ion Ratio Lower Upper

112 100

64 92.8 57.9 86.9#

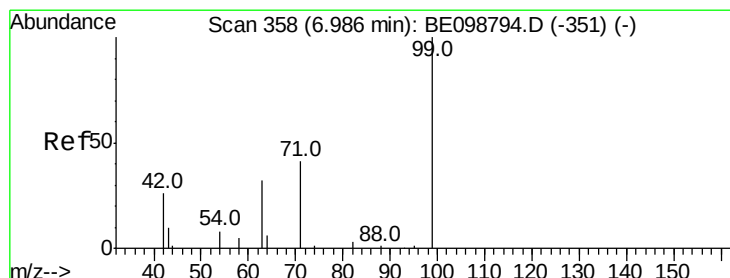
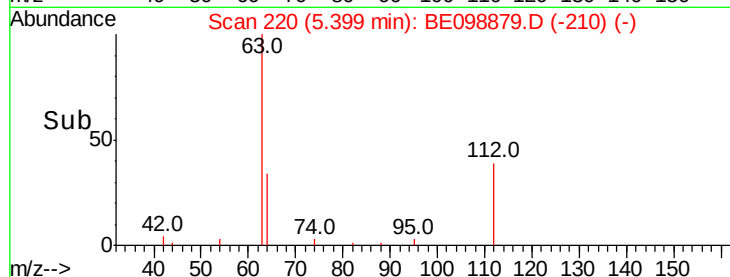
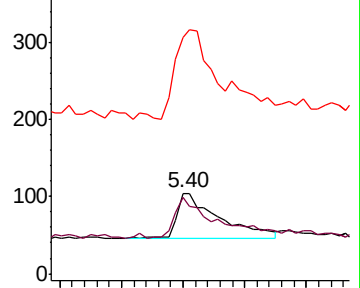
63 161.2 158.3 237.5



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: 0.059 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.05 min

Lab File: BE098879.D

Acq: 12 Mar 2019 2:53

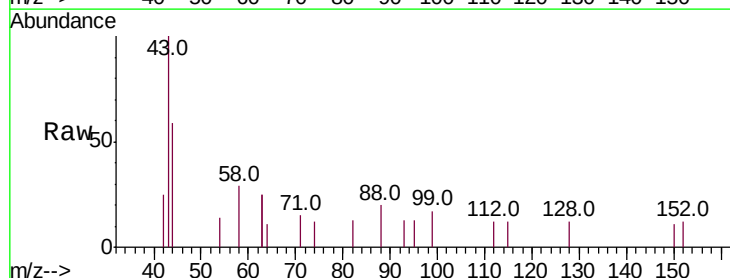
Tgt Ion: 99 Resp: 182

Ion Ratio Lower Upper

99 100

42 8.2 24.2 36.2#

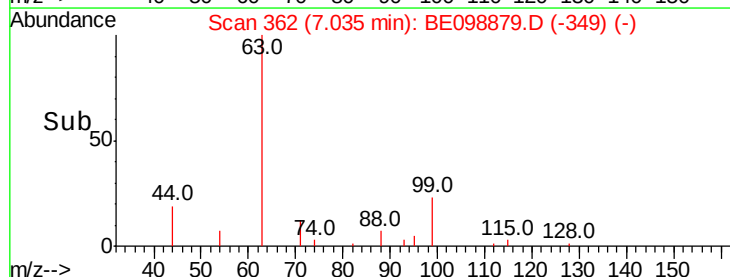
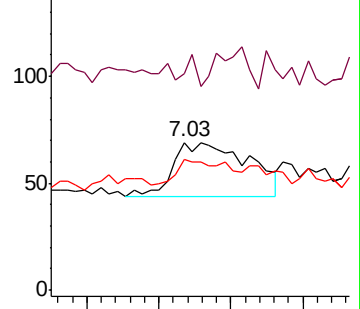
71 31.9 35.7 53.5#

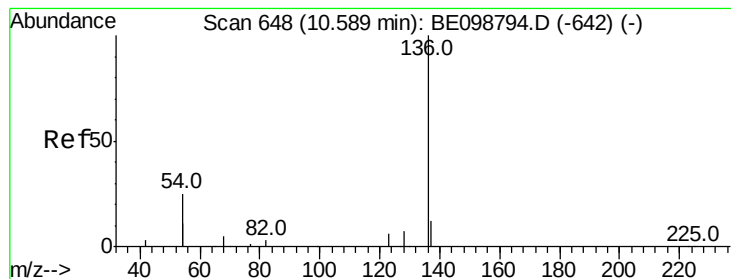


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE098879.D

Acq: 12 Mar 2019 2:53

Instrument :

BNA\_E

ClientSampleId :

RE122D1-20190308

Tot Ion:136 Resp: 3092

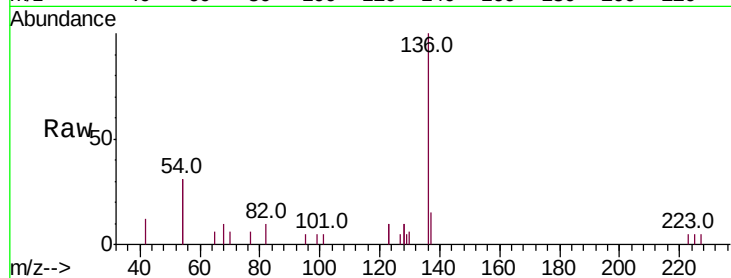
Ion Ratio Lower Upper

136 100

137 14.8 11.4 17.0

54 61.8 39.3 58.9#

68 9.7 6.7 10.1

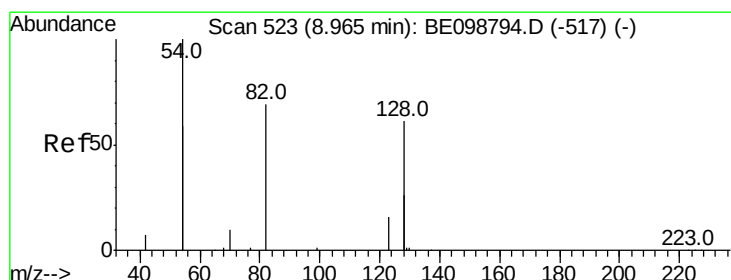
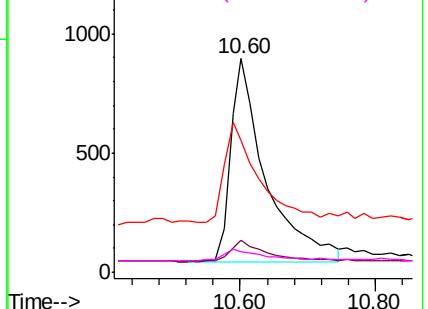
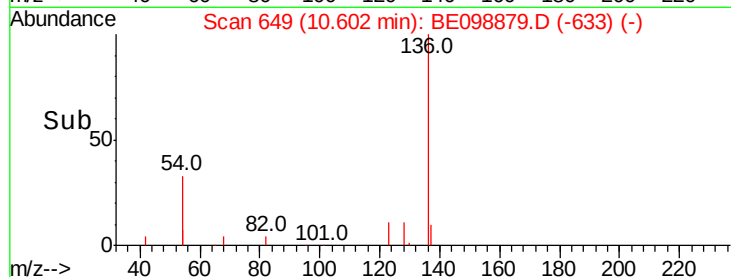


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.280 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE098879.D

Acq: 12 Mar 2019 2:53

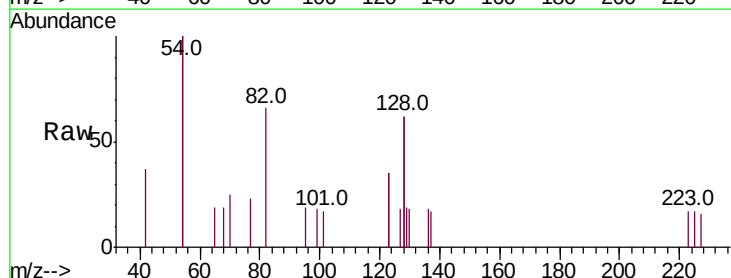
Tgt Ion: 82 Resp: 907

Ion Ratio Lower Upper

82 100

128 187.6 123.8 185.8#

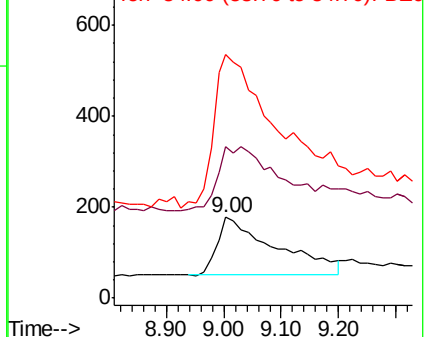
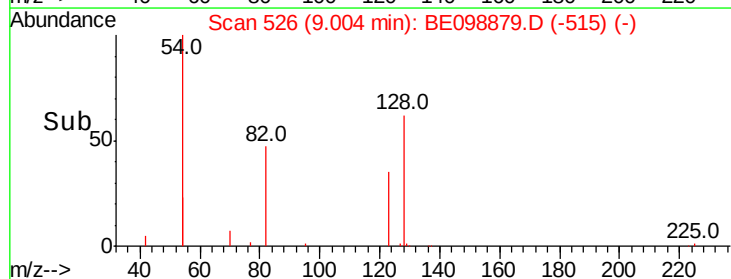
54 302.8 203.4 305.2

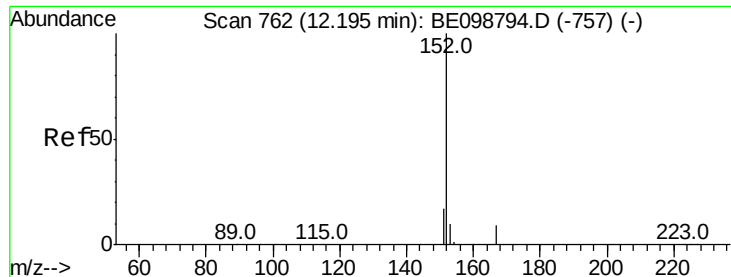


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

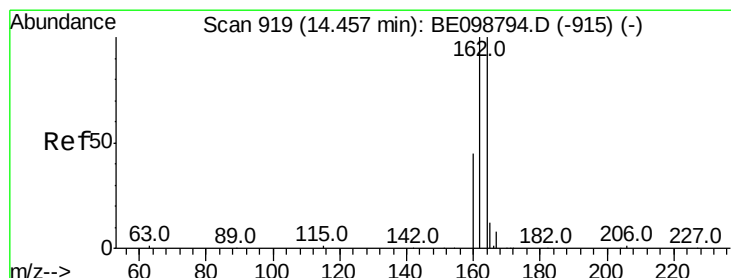
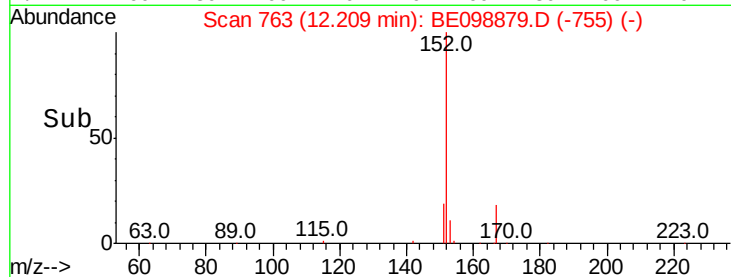
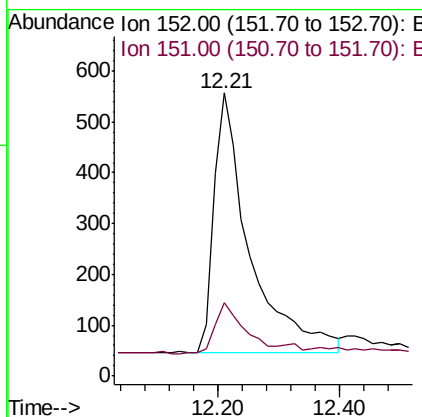
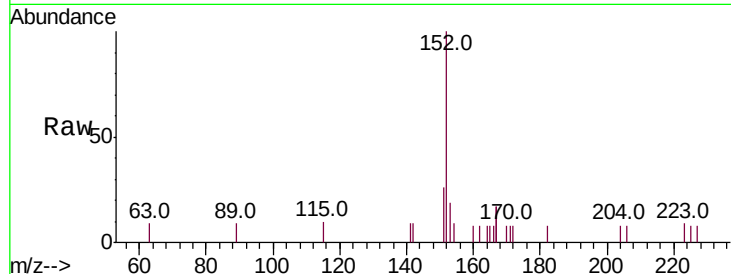




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.364 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.01 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

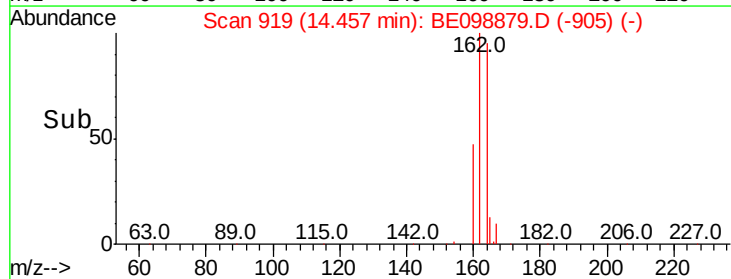
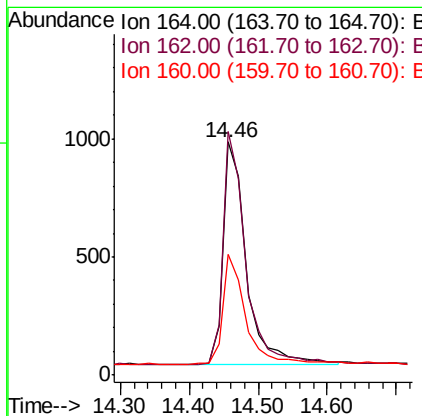
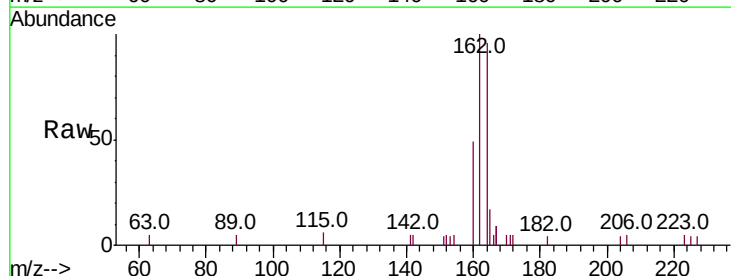
Instrument :  
 BNA\_E  
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 RE122D1-20190308

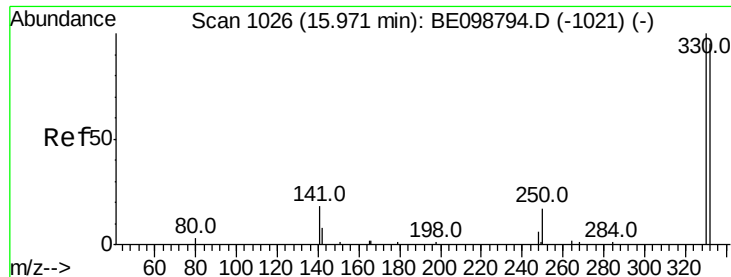
Tot Ion:152 Resp: 2081  
 Ion Ratio Lower Upper  
 152 100  
 151 16.5 16.5 24.7



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.46 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

Tgt Ion:164 Resp: 2210  
 Ion Ratio Lower Upper  
 164 100  
 162 104.6 80.2 120.2  
 160 51.6 37.8 56.8

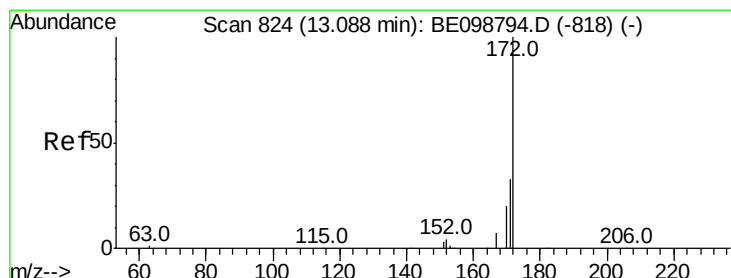
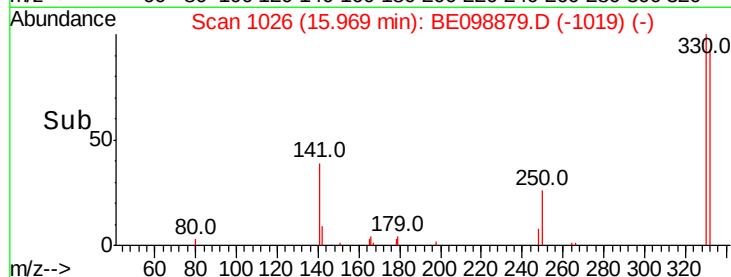
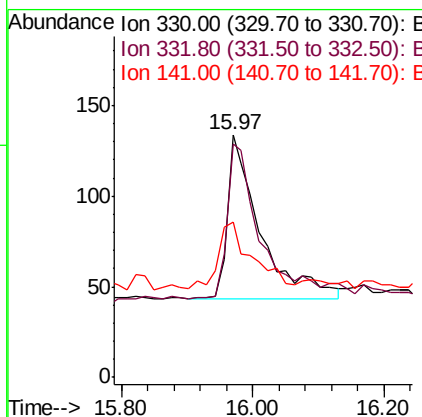
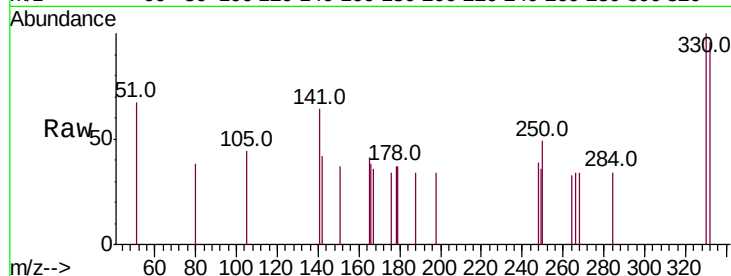




#14  
 2,4,6-Tribromophenol  
 Concen: 0.289 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

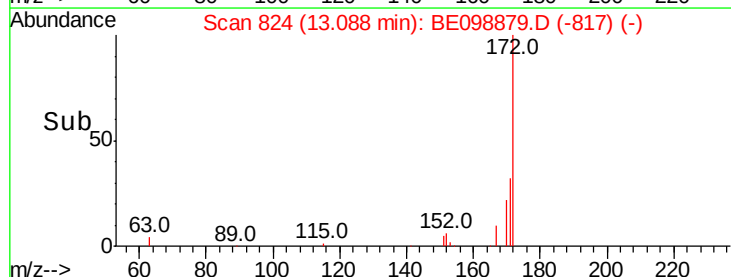
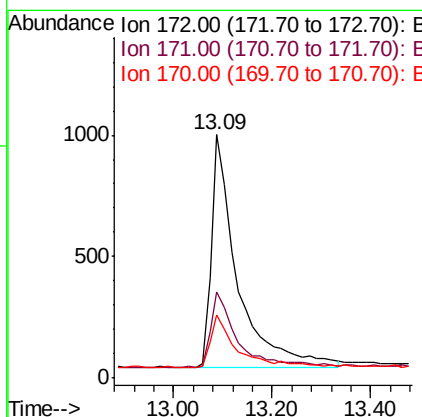
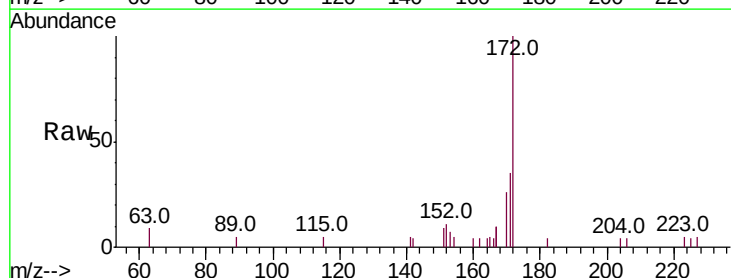
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE122D1-20190308

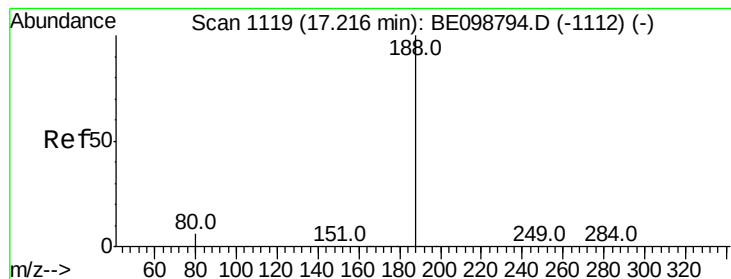
Tot Ion:330 Resp: 322  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 77.6 116.4  
 141 41.3 31.0 46.4



#15  
 2-Fluorobiphenyl  
 Concen: 0.378 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

Tgt Ion:172 Resp: 3458  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.0 42.0  
 170 25.8 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098879.D

Acq: 12 Mar 2019 2:53

Instrument :

BNA\_E

ClientSampleId :

RE122D1-20190308

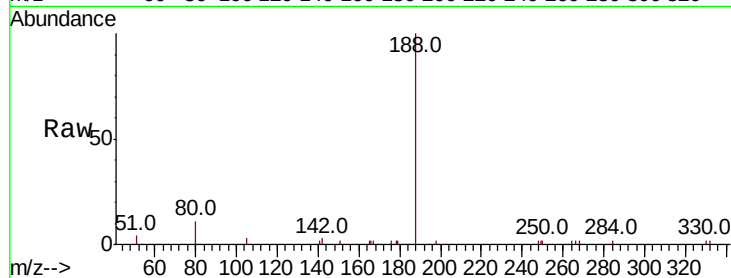
Tot Ion:188 Resp: 5696

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

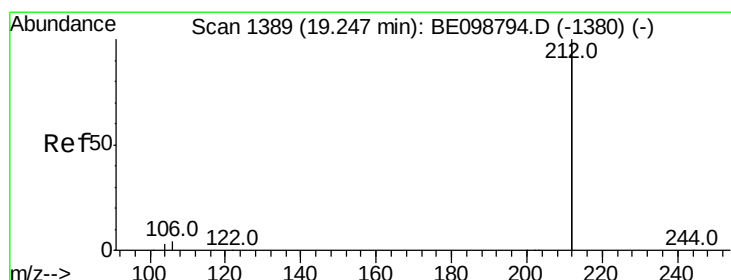
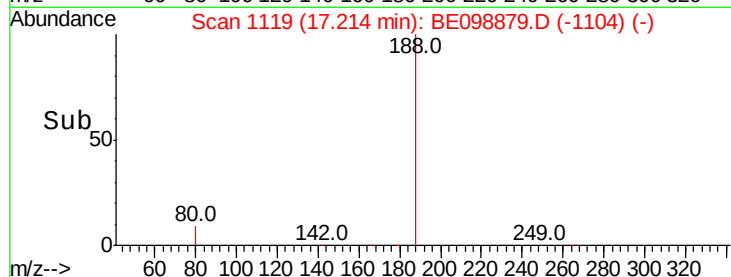
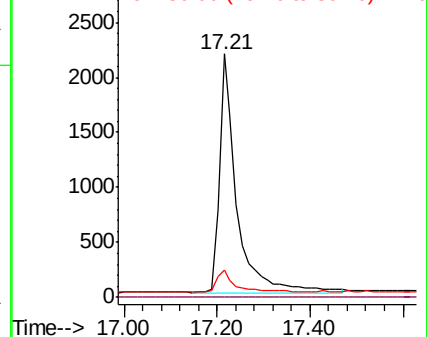
80 11.5 6.3 9.5#



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: 0.341 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098879.D

Acq: 12 Mar 2019 2:53

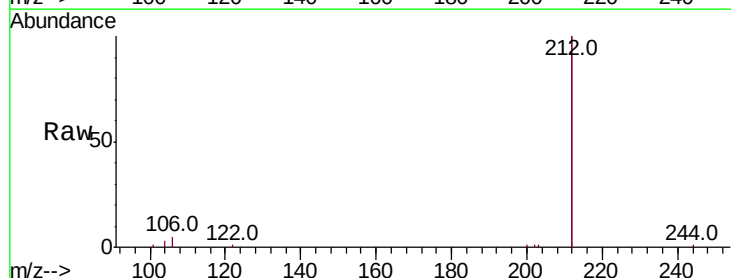
Tgt Ion:212 Resp: 30991

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

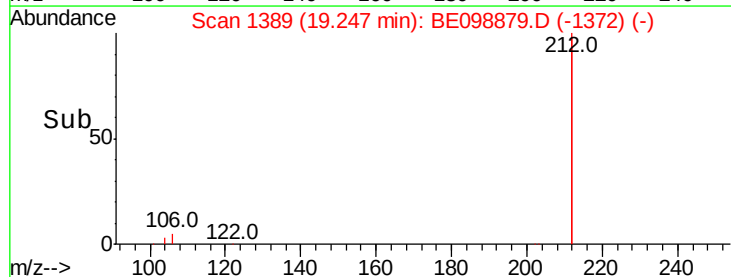
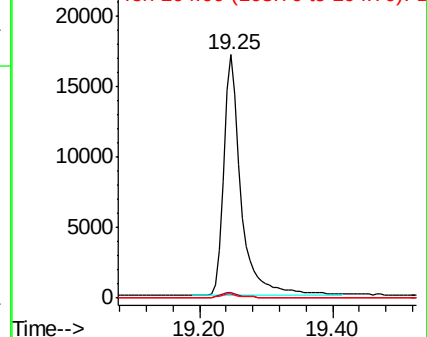
104 1.4 1.0 1.6



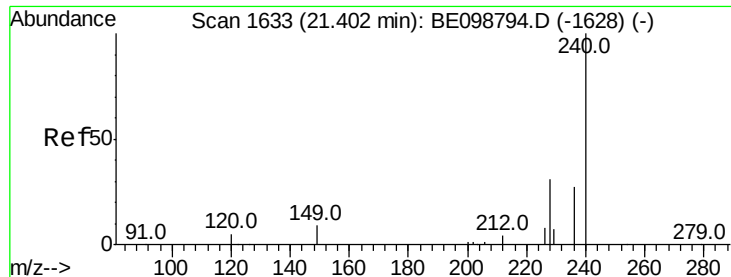
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



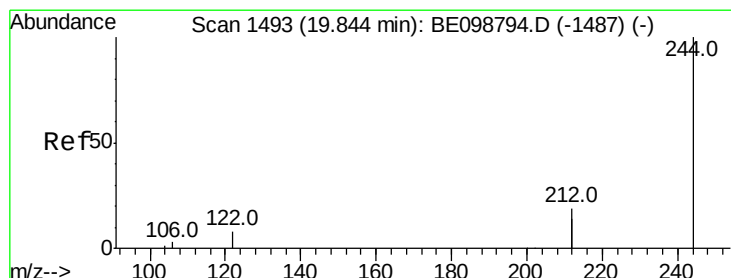
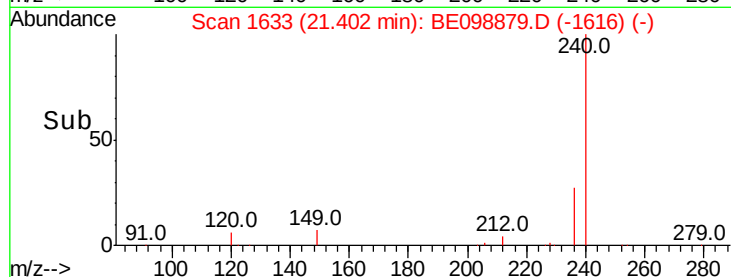
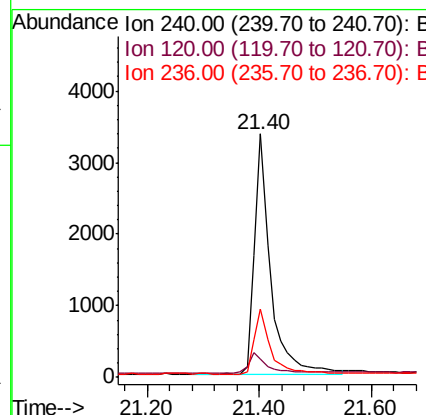
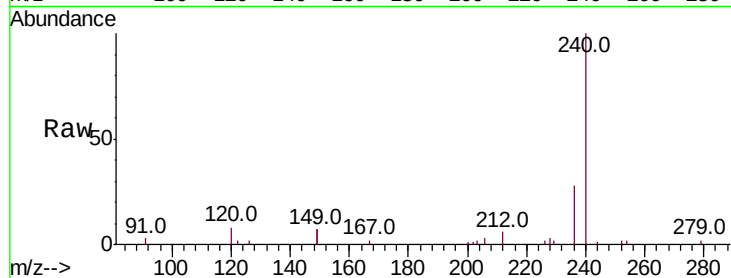




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. 0.00 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

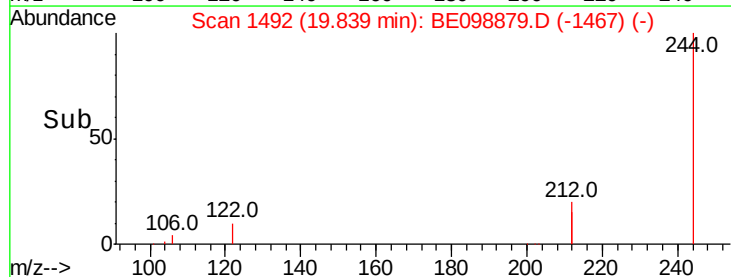
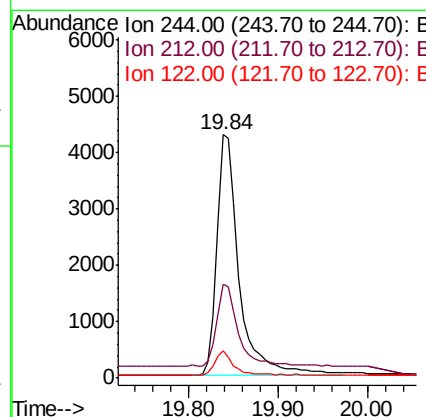
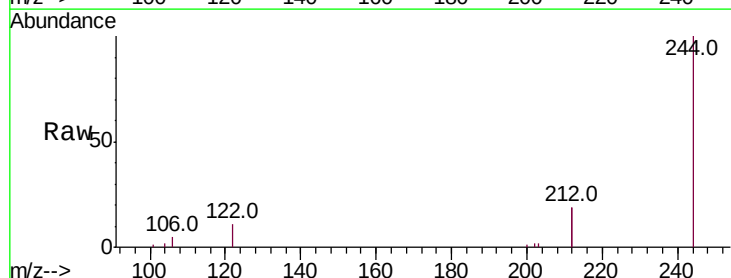
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE122D1-20190308

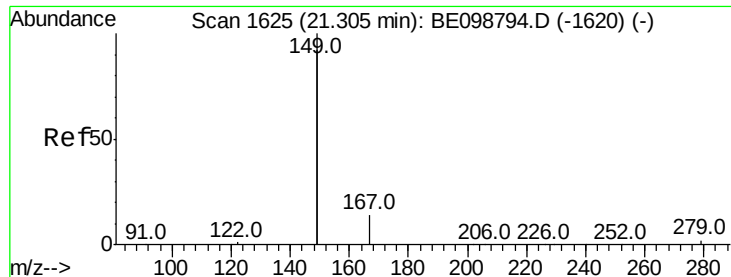
Tot Ion:240 Resp: 6688  
 Ion Ratio Lower Upper  
 240 100  
 120 7.6 5.0 7.4#  
 236 28.1 22.7 34.1



#29  
 Terphenyl-d14  
 Concen: 0.459 ng  
 RT: 19.84 min Scan# 1492  
 Delta R.T. -0.01 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

Tgt Ion:244 Resp: 7453  
 Ion Ratio Lower Upper  
 244 100  
 212 38.7 29.4 44.2  
 122 11.2 7.1 10.7#

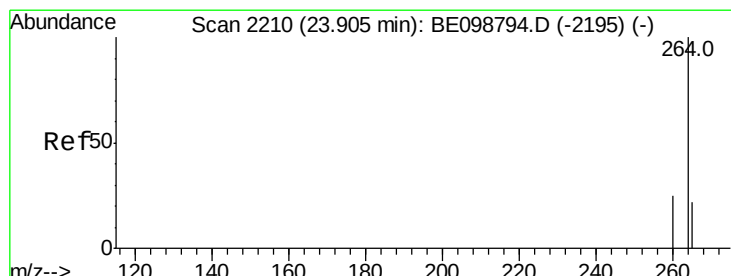
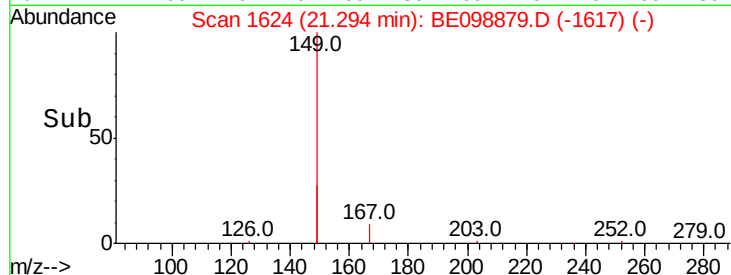
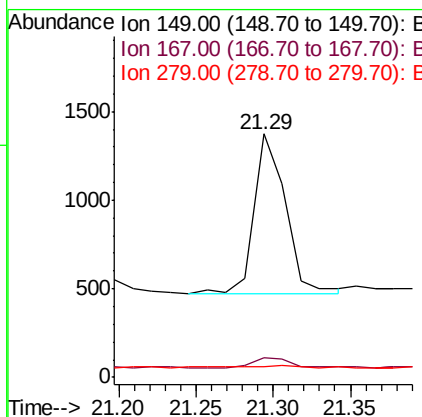
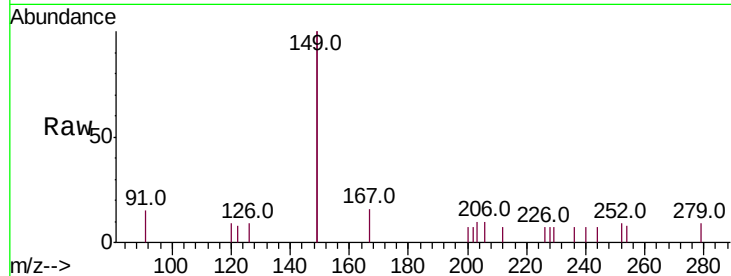




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.029 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE122D1-20190308

Tot Ion:149 Resp: 1289  
 Ion Ratio Lower Upper  
 149 100  
 167 7.4 5.4 8.0  
 279 1.8 1.0 1.4#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.90 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BE098879.D  
 Acq: 12 Mar 2019 2:53

Tgt Ion:264 Resp: 6518  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 21.2 31.8  
 265 27.6 24.6 36.8

