

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080217\  
 Data File : BE093632.D  
 Acq On : 2 Aug 2017 18:41  
 Operator : SJ/JU  
 Sample : I4426-07  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 CASWELL-AFB-HYDRANT

Quant Time: Aug 03 02:47:45 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 10:58:31 2017  
 Response via : Initial Calibration

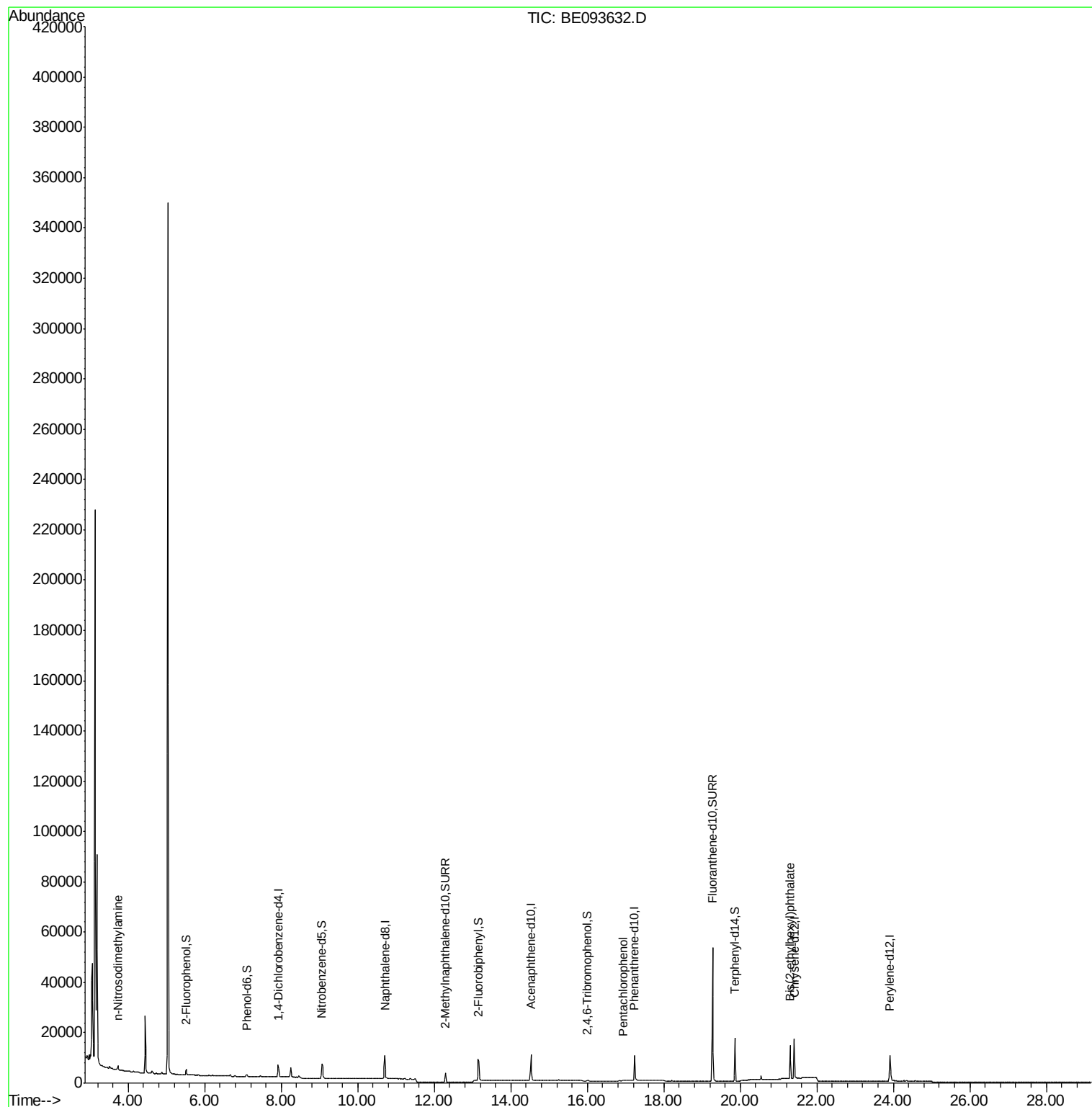
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 2469     | 0.40      | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.71 | 136  | 11170    | 0.40      | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.52 | 164  | 6326     | 0.40      | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.24 | 188  | 16960    | 0.40      | ng    | 0.00     |
| 27) Chrysene-d12               | 21.42 | 240  | 18385    | 0.40      | ng    | 0.00     |
| 34) Perylene-d12               | 23.91 | 264  | 15974    | 0.40      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.52  | 112  | 1162     | 0.16      | ng    | 0.00     |
| 5) Phenol-d6                   | 7.10  | 99   | 1015     | 0.09      | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 2957     | 0.35      | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 5773     | 0.33      | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.00 | 330  | 458      | 0.35      | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 10208    | 0.40      | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.27 | 212  | 71096    | 0.37      | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.86 | 244  | 13947    | 0.42      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 3) n-Nitrosodimethylamine      | 3.73  | 42   | 204      | 0.054     | ng    | # 1      |
| 20) 4-Bromophenyl-phenylether  | 16.49 | 248  | 8        | Below Cal | #     | 33       |
| 21) Hexachlorobenzene          | 16.55 | 284  | 8        | Below Cal | #     | 100      |
| 22) Pentachlorophenol          | 16.94 | 266  | 23       | 0.157     | ng    | # 67     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 15270    | 0.207     | ng    | 98       |

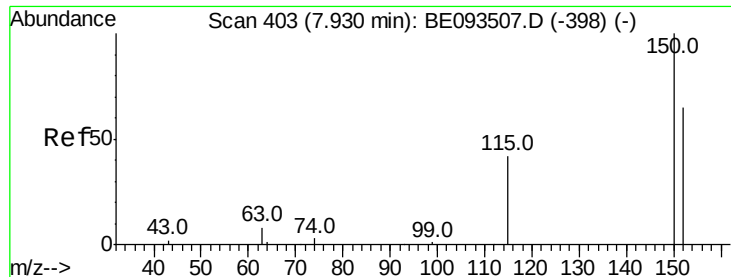
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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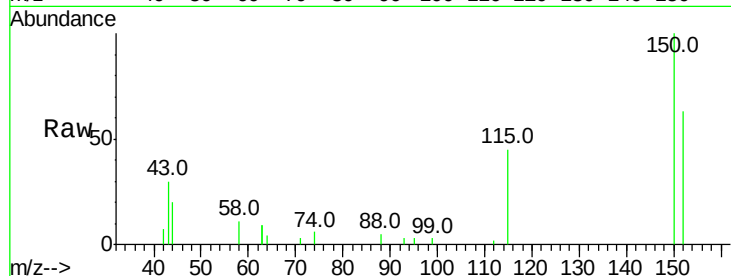


#1

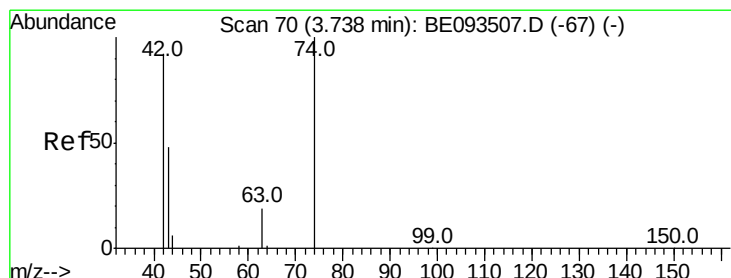
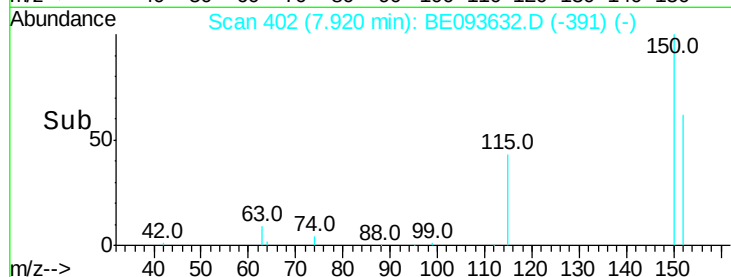
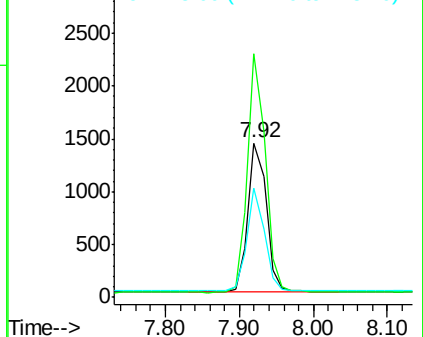
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. -0.01 min  
Lab File: BE093632.D  
Acq: 2 Aug 2017 18:41

Instrument :  
BNA\_E  
ClientSampleId :  
CASWELL-AFB-HYDRANT

Tot Ion:152 Resp: 2469  
Ion Ratio Lower Upper  
152 100  
150 157.7 125.1 187.7  
115 71.0 55.7 83.5



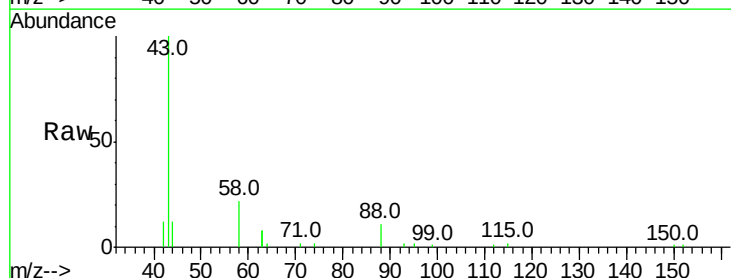
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



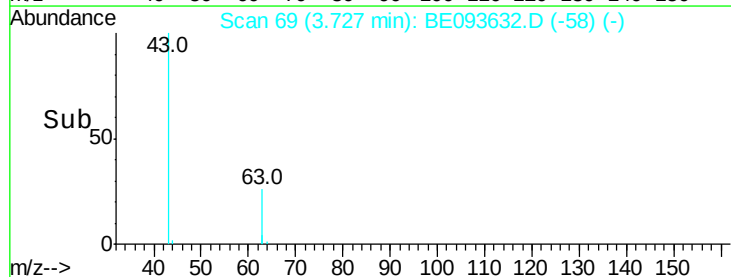
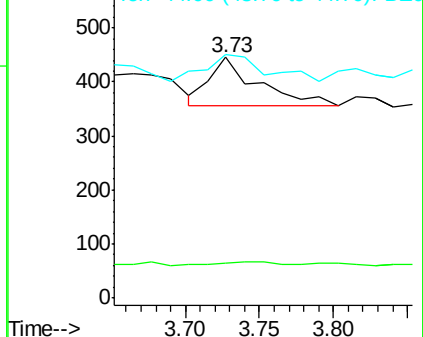
#3

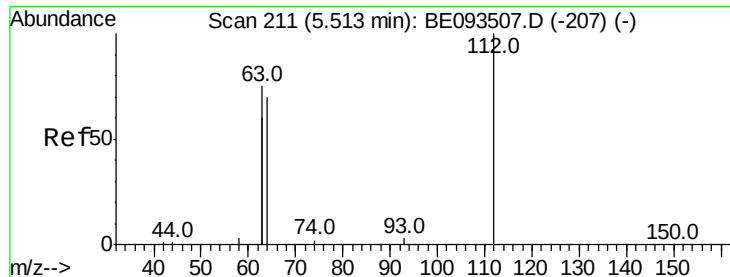
n-Nitrosodimethylamine  
Concen: 0.054 ng  
RT: 3.73 min Scan# 69  
Delta R.T. -0.01 min  
Lab File: BE093632.D  
Acq: 2 Aug 2017 18:41

Tgt Ion: 42 Resp: 204  
Ion Ratio Lower Upper  
42 100  
74 0.0 99.1 148.7#  
44 70.1 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.158 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

CASWELL-AFB-HYDRANT

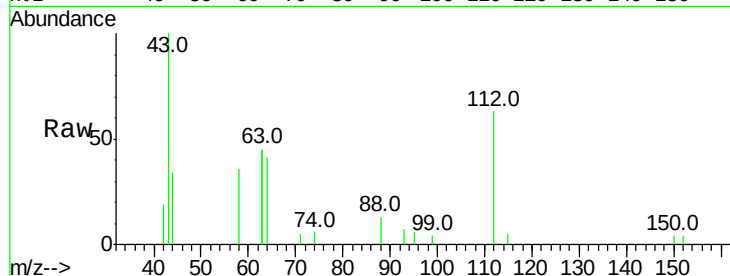
Tot Ion:112 Resp: 1162

Ion Ratio Lower Upper

112 100

64 70.8 56.4 84.6

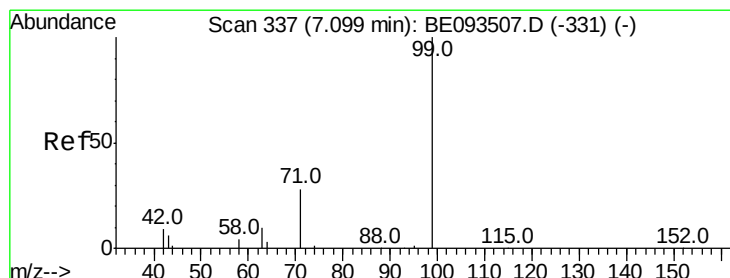
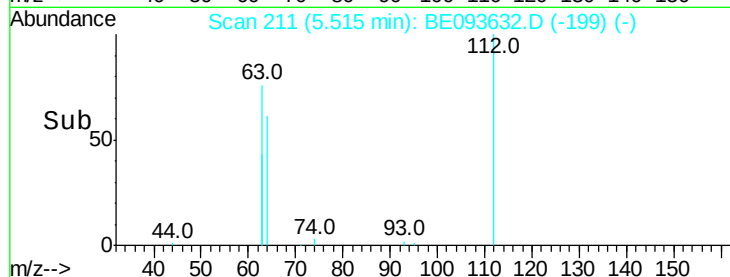
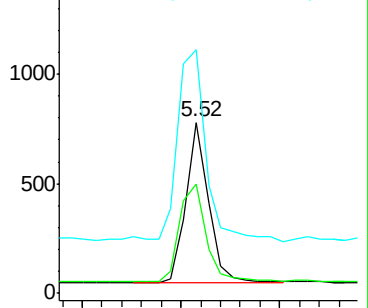
63 150.7 29.3 43.9#



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: 0.092 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

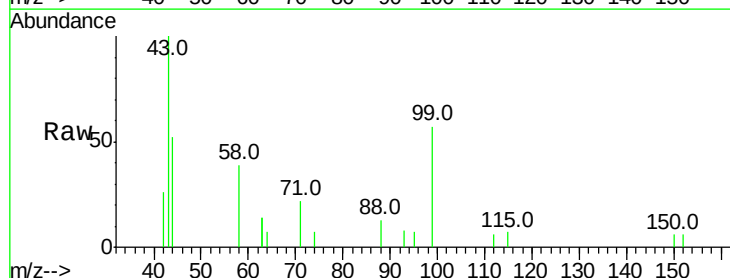
Tgt Ion: 99 Resp: 1015

Ion Ratio Lower Upper

99 100

42 18.2 0.0 0.0#

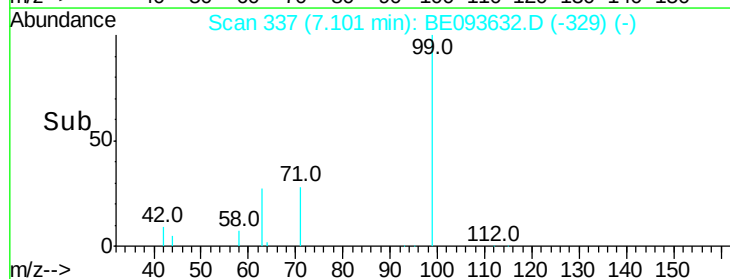
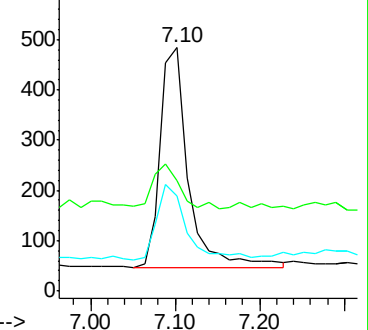
71 35.8 0.0 0.0#

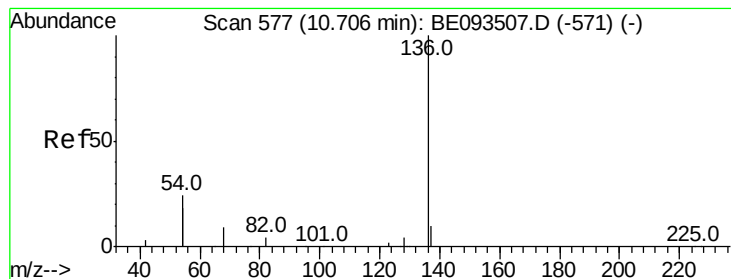


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

CASWELL-AFB-HYDRANT

Tot Ion:136 Resp: 11170

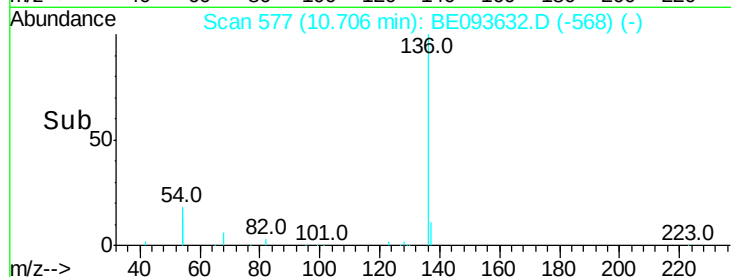
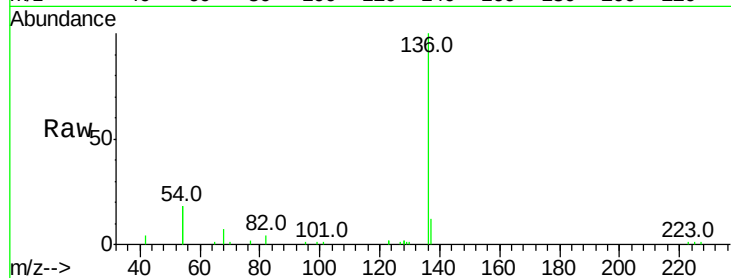
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 35.3 10.3 15.5#

68 7.4 9.0 13.4#

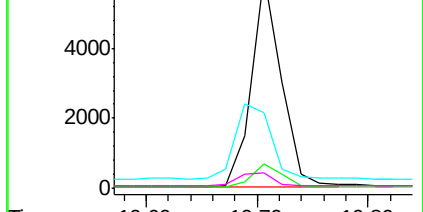


Abundance Ion 136.00 (135.70 to 136.70): E

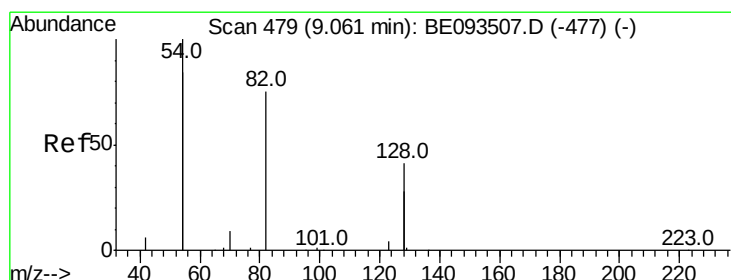
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.347 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

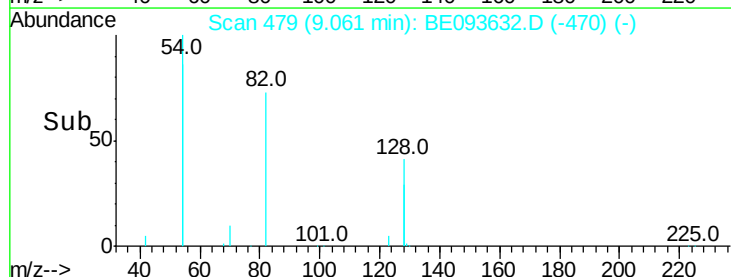
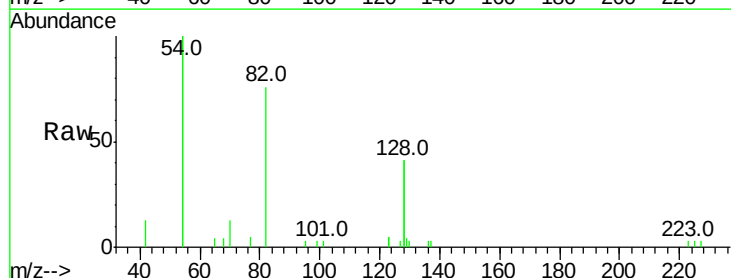
Tgt Ion: 82 Resp: 2957

Ion Ratio Lower Upper

82 100

128 107.8 17.0 25.4#

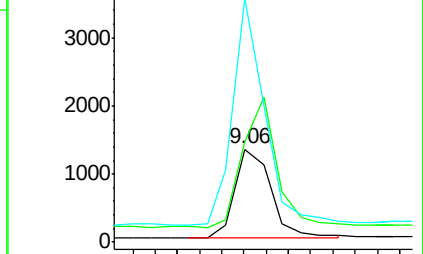
54 261.6 53.8 80.6#



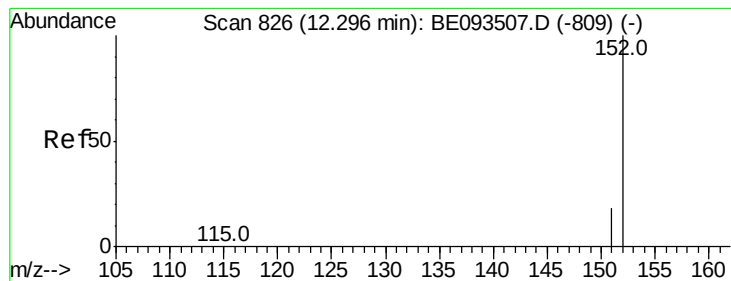
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

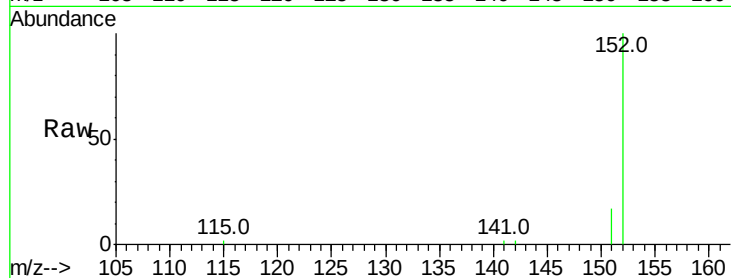
CASWELL-AFB-HYDRANT

Tot Ion:152 Resp: 5773

Ion Ratio Lower Upper

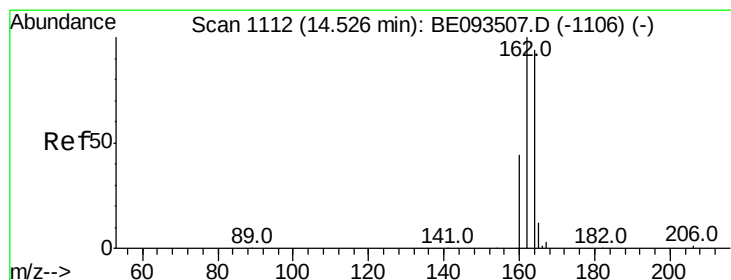
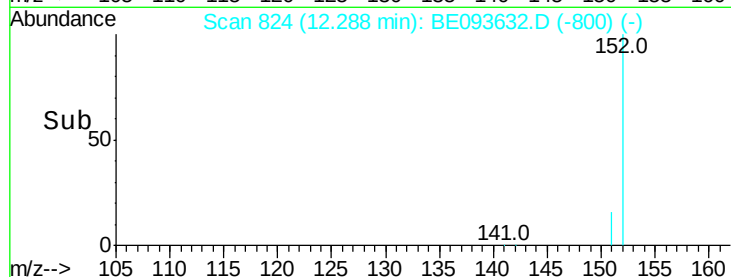
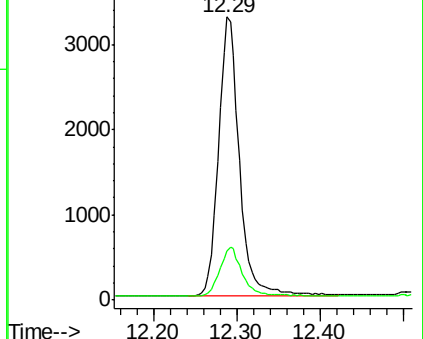
152 100

151 18.4 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: 14.52 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

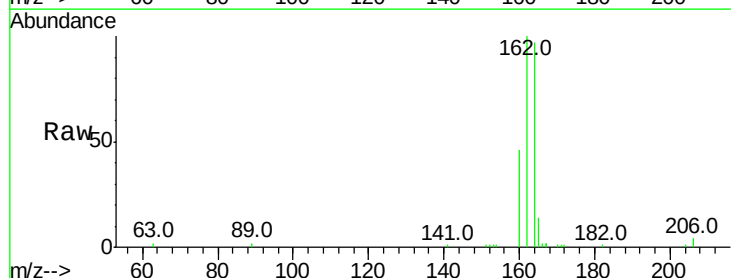
Tgt Ion:164 Resp: 6326

Ion Ratio Lower Upper

164 100

162 102.7 84.6 127.0

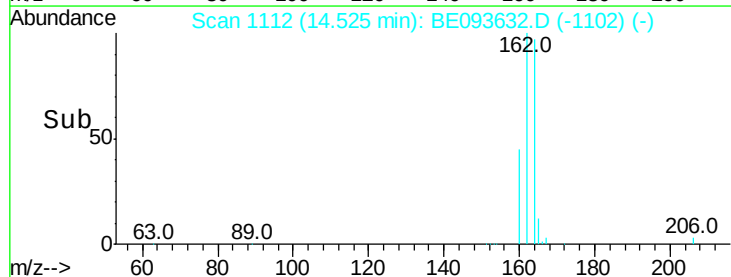
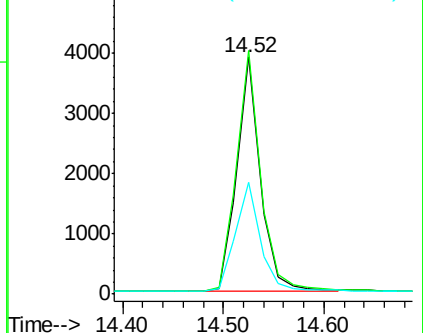
160 47.2 41.8 62.6

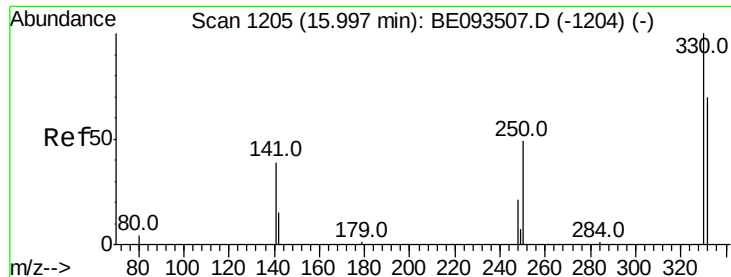


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

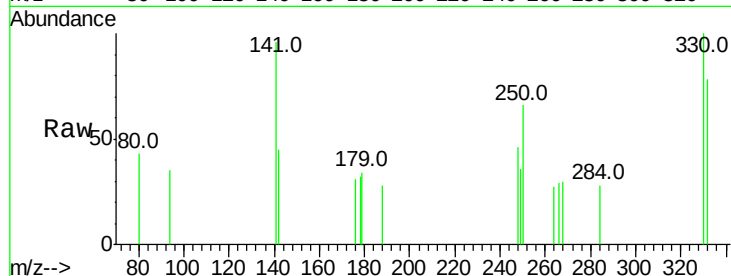




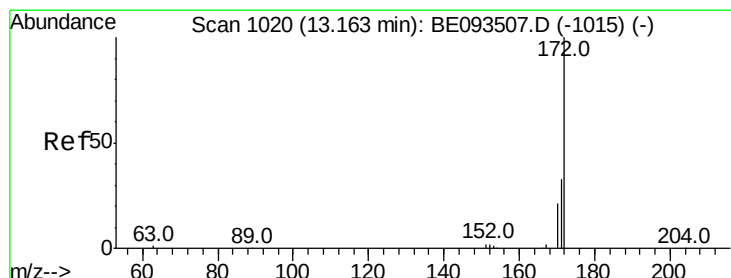
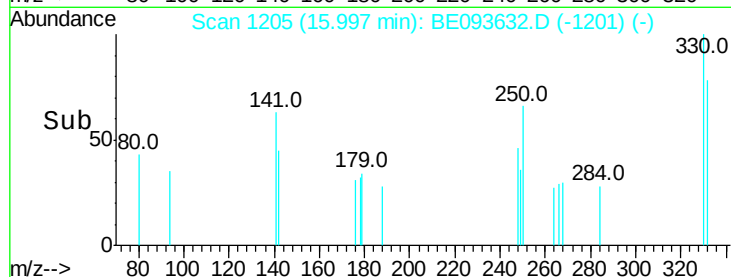
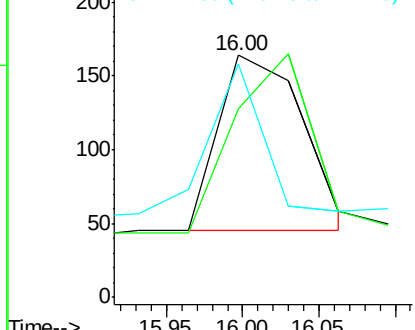
#14  
 2,4,6-Tribromophenol  
 Concen: 0.349 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE093632.D  
 Acq: 2 Aug 2017 18:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 CASWELL-AFB-HYDRANT

Tot Ion:330 Resp: 458  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 77.7 116.5#  
 141 52.6 56.2 84.4#

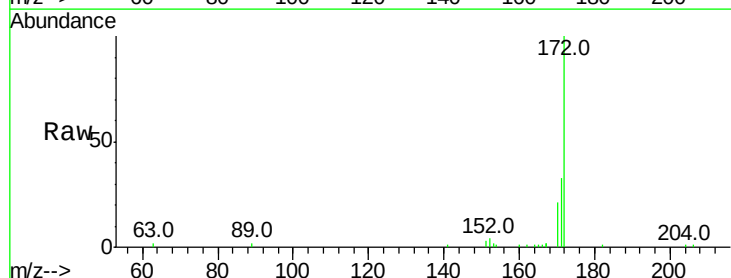


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

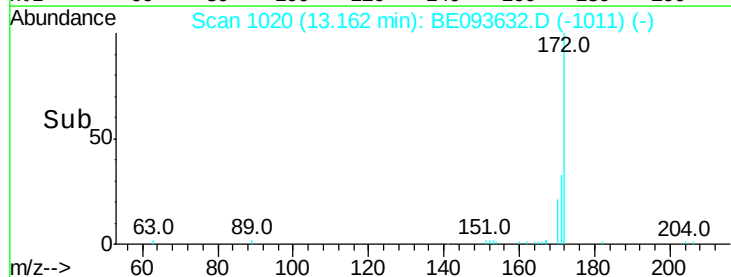
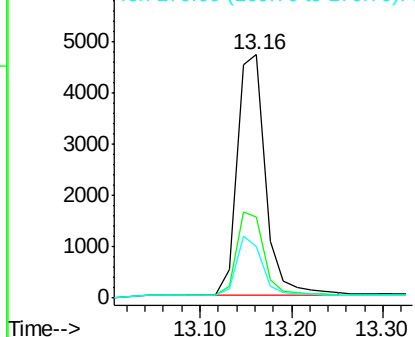


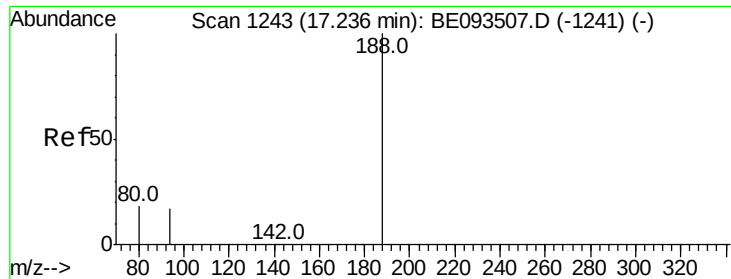
#15  
 2-Fluorobiphenyl  
 Concen: 0.403 ng  
 RT: 13.16 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BE093632.D  
 Acq: 2 Aug 2017 18:41

Tgt Ion:172 Resp: 10208  
 Ion Ratio Lower Upper  
 172 100  
 171 33.1 29.8 44.6  
 170 21.4 20.7 31.1



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: 17.24 min Scan# 1243

Delta R.T. -0.00 min

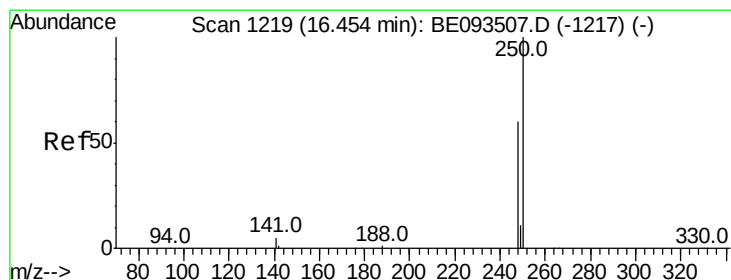
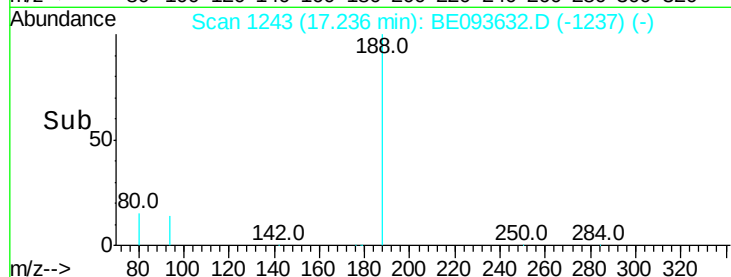
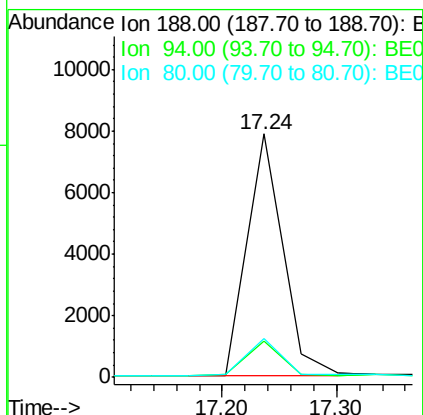
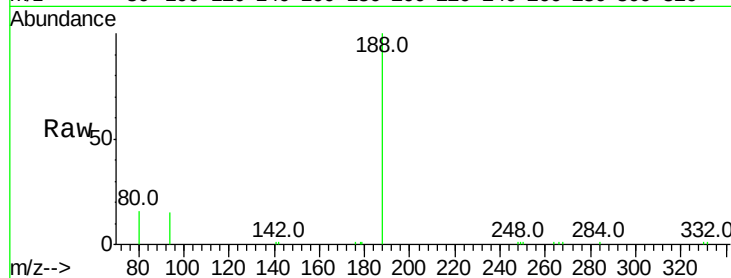
Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :  
BNA\_E  
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CASWELL-AFB-HYDRANT

Tot Ion:188 Resp: 16960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 14.8  | 11.3  | 16.9  |
| 80  | 15.9  | 11.7  | 17.5  |



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.49 min Scan# 1220

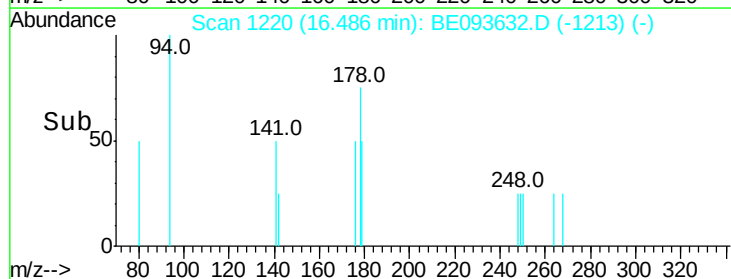
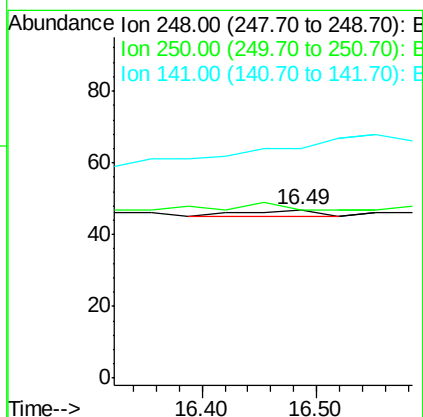
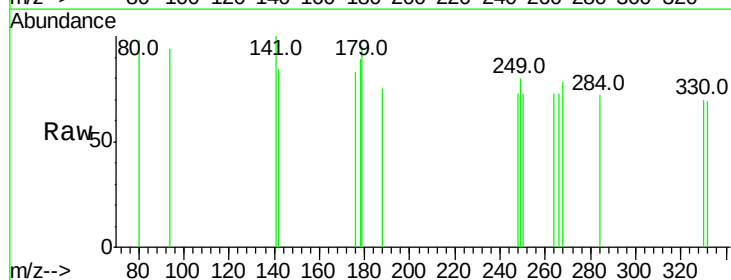
Delta R.T. 0.03 min

Lab File: BE093632.D

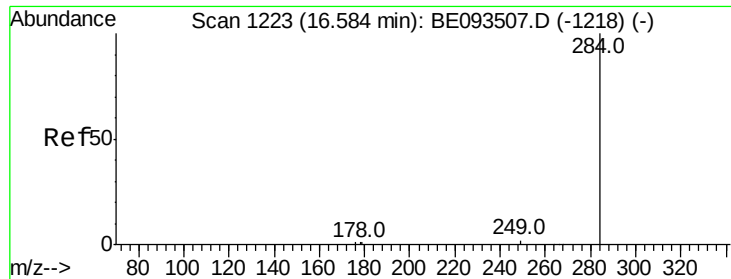
Acq: 2 Aug 2017 18:41

Tgt Ion:248 Resp: 8

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 248 | 100   |       |        |
| 250 | 100.0 | 128.0 | 192.0# |
| 141 | 136.2 | 12.0  | 18.0#  |



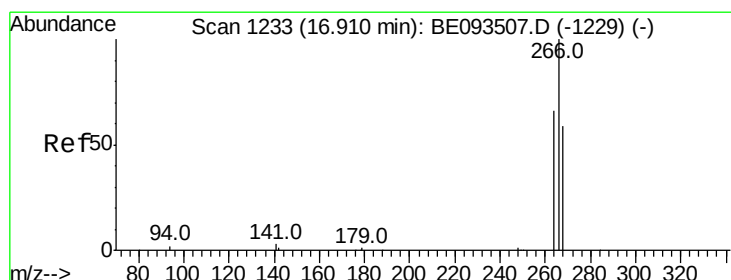
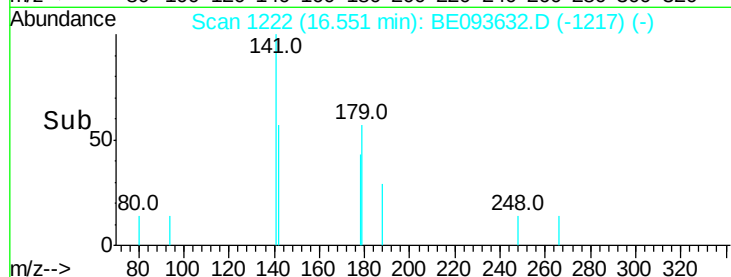
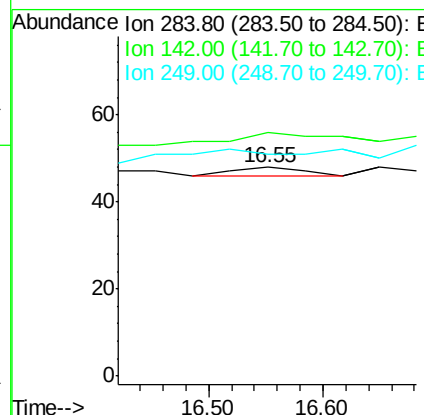
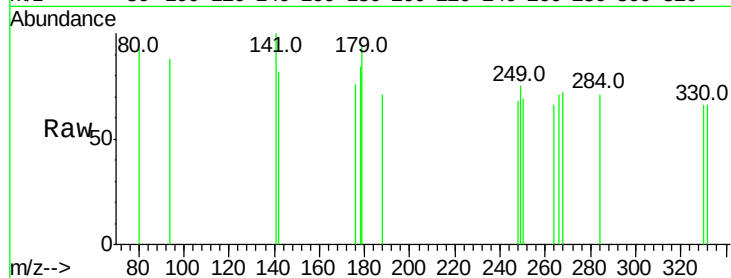




#21  
Hexachlorobenzene  
Concen: Below Cal  
RT: 16.55 min Scan# 1222  
Delta R.T. -0.03 min  
Lab File: BE093632.D  
Acq: 2 Aug 2017 18:41

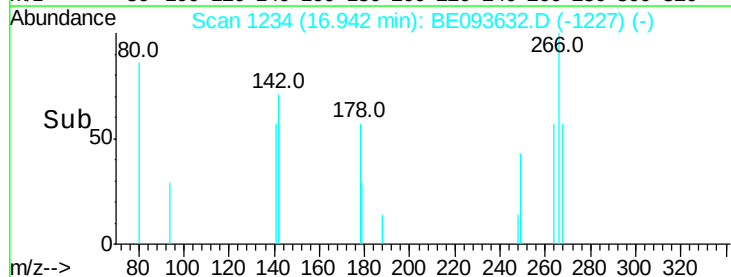
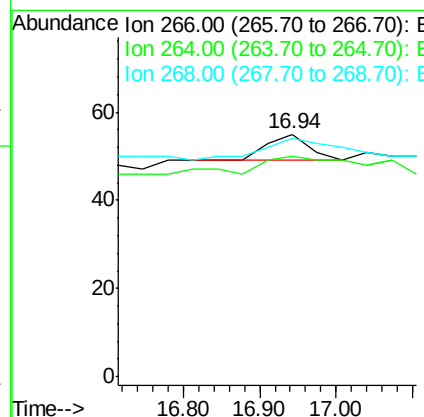
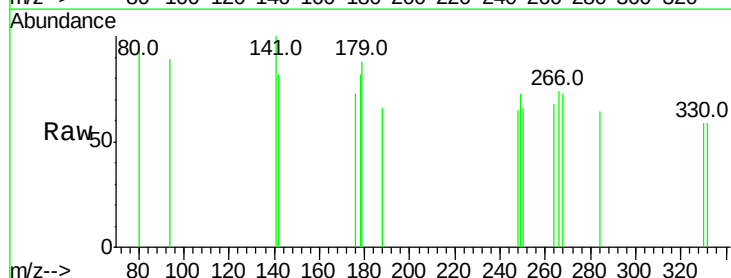
Instrument :  
BNA\_E  
ClientSampleId :  
CASWELL-AFB-HYDRANT

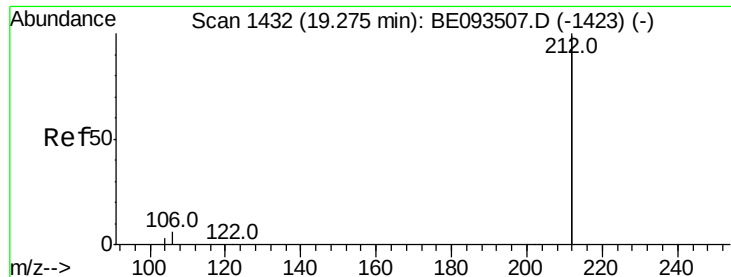
Tot Ion:284 Resp: 8  
Ion Ratio Lower Upper  
284 100  
142 250.0 0.0 0.0#  
249 0.0 0.0 0.0



#22  
Pentachlorophenol  
Concen: 0.157 ng  
RT: 16.94 min Scan# 1234  
Delta R.T. 0.03 min  
Lab File: BE093632.D  
Acq: 2 Aug 2017 18:41

Tgt Ion:266 Resp: 23  
Ion Ratio Lower Upper  
266 100  
264 90.9 56.0 84.0#  
268 98.2 52.0 78.0#





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

CASWELL-AFB-HYDRANT

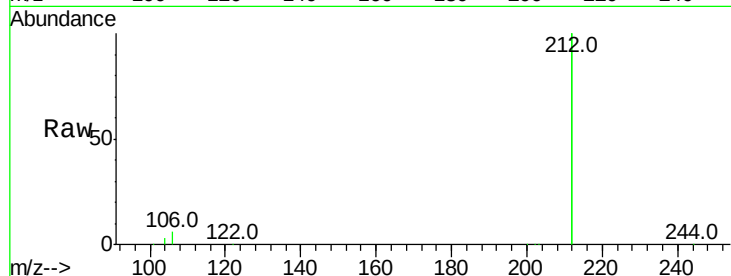
Tot Ion:212 Resp: 71096

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

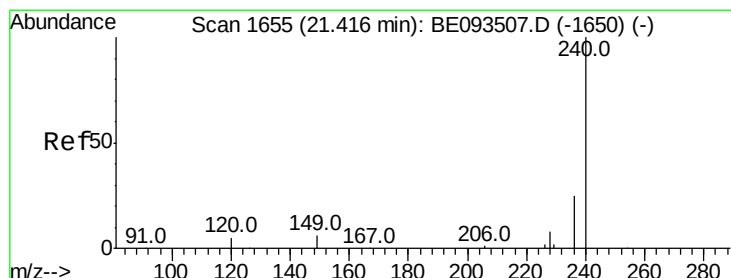
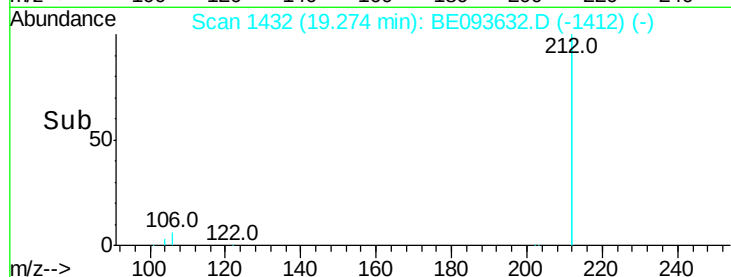
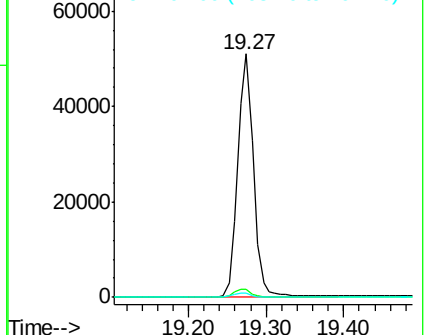
104 1.9 1.6 2.4



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: 21.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

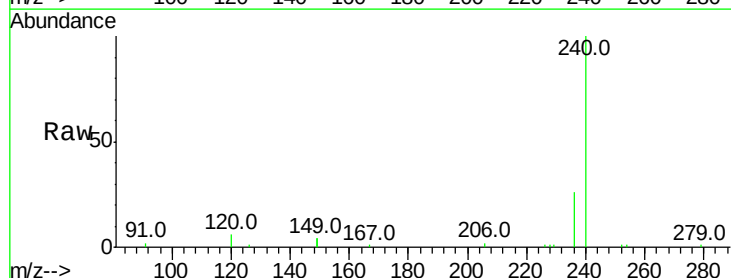
Tgt Ion:240 Resp: 18385

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

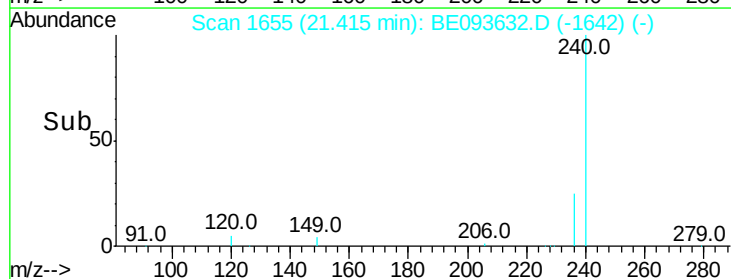
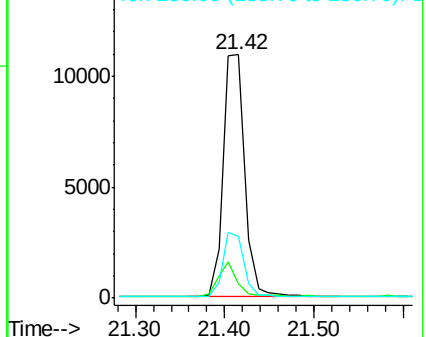
236 25.6 20.8 31.2

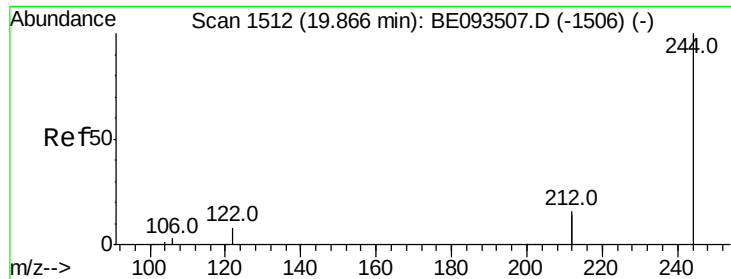


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.422 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

CASWELL-AFB-HYDRANT

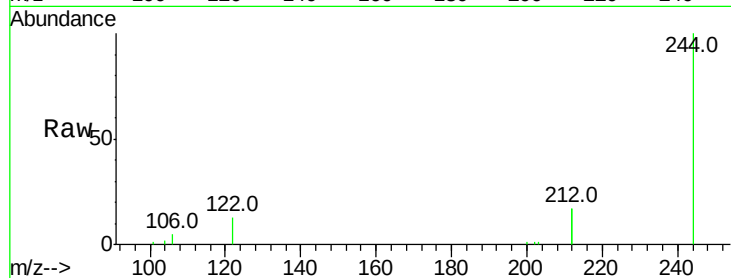
Tot Ion:244 Resp: 13947

Ion Ratio Lower Upper

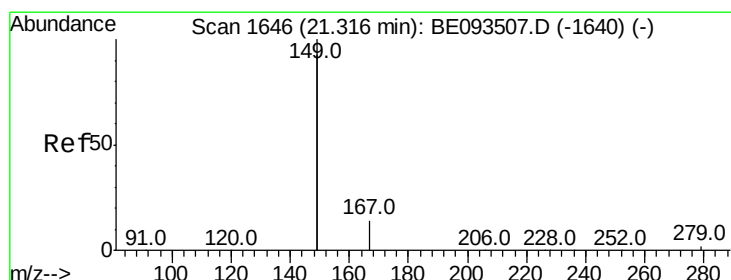
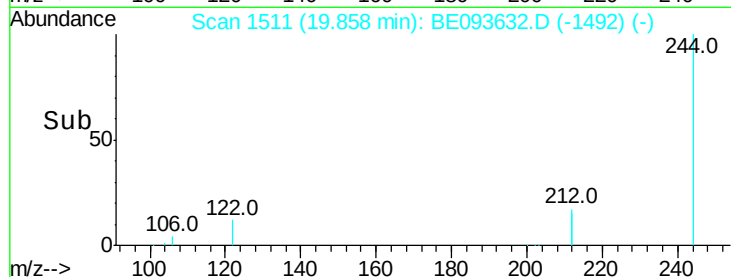
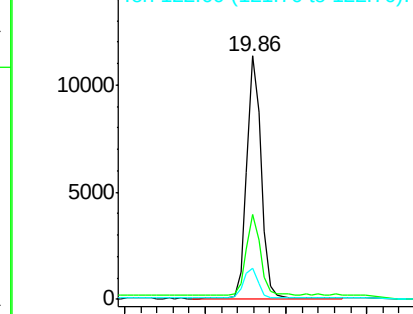
244 100

212 34.7 10.6 16.0#

122 12.7 15.4 23.0#



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: 0.207 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

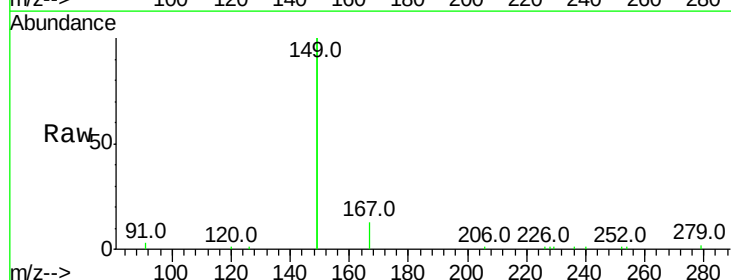
Tgt Ion:149 Resp: 15270

Ion Ratio Lower Upper

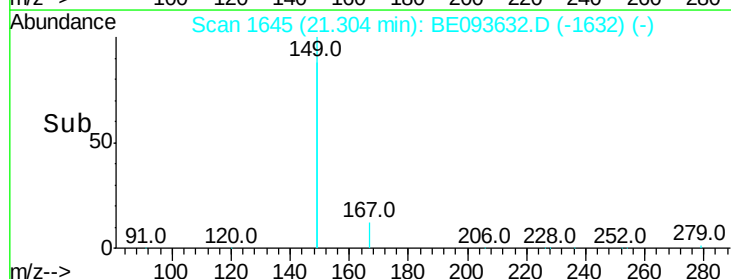
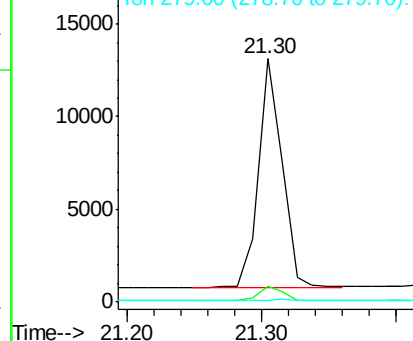
149 100

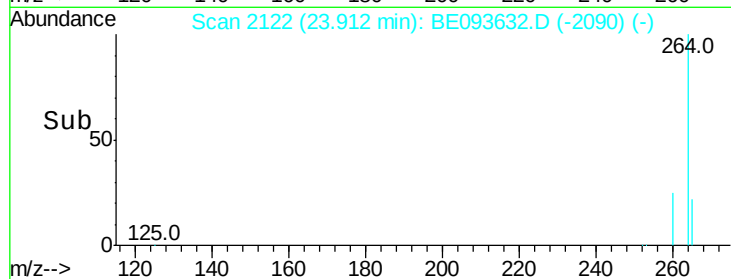
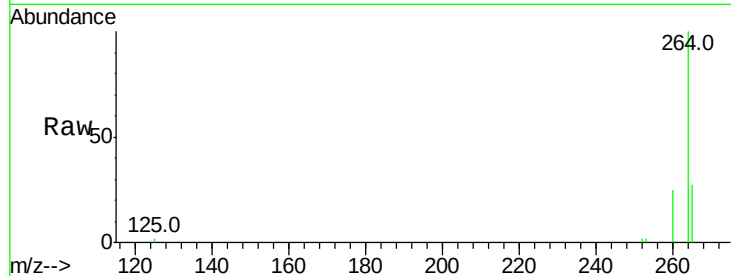
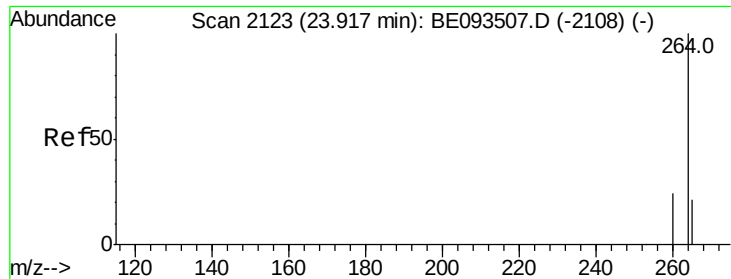
167 6.8 4.8 7.2

279 1.0 0.8 1.2



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

Pervlene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE093632.D

Acq: 2 Aug 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

CASWELL-AFB-HYDRANT

Tot Ion:264 Resp: 15974

Ion Ratio Lower Upper

264 100

260 25.2 21.0 31.4

265 26.6 24.6 36.8

