

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072617\  
 Data File : BE093604.D  
 Acq On : 26 Jul 2017 14:47  
 Operator : SJ/JU  
 Sample : I4300-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-170718

Quant Time: Jul 27 08:20:09 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE072117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 21 16:13:20 2017  
 Response via : Initial Calibration

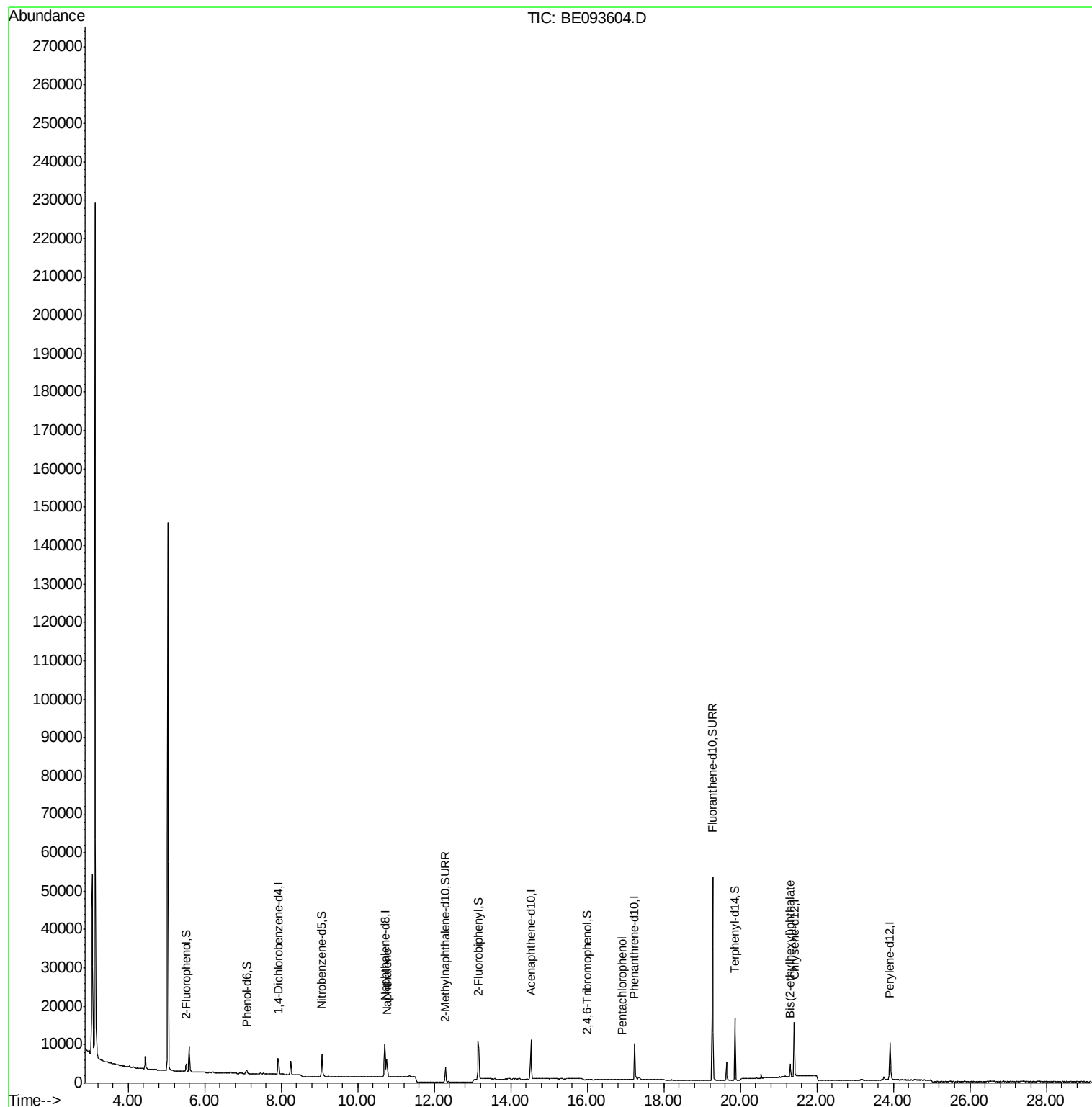
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 2098     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.71 | 136  | 9862     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.53 | 164  | 6141     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.24 | 188  | 15285    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.42 | 240  | 16796    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.92 | 264  | 15109    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.52  | 112  | 1141     | 0.16  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.10  | 99   | 965      | 0.09  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 2927     | 0.37  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 5856     | 0.37  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.00 | 330  | 235      | 0.11  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 11120    | 0.46  | ng    | -0.02    |
| 25) Fluoranthene-d10           | 19.27 | 212  | 70361    | 0.29  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.86 | 244  | 13735    | 0.45  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 9) Naphthalene                 | 10.76 | 128  | 7322     | 0.064 | ng    | # 96     |
| 22) Pentachlorophenol          | 16.91 | 266  | 16       | 0.192 | ng    | # 65     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 4293     | 0.033 | ng    | # 99     |

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

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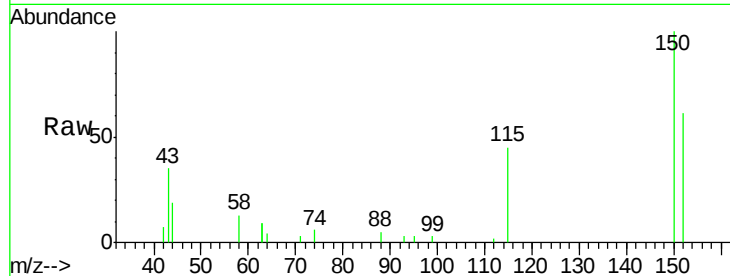


#1

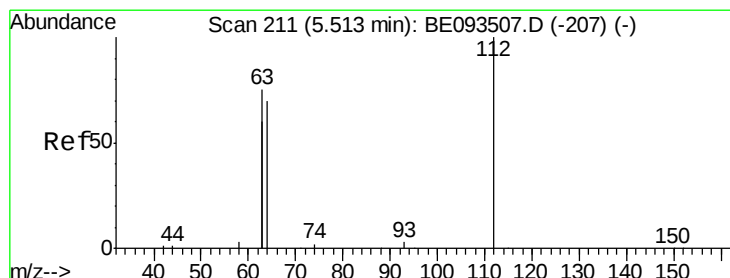
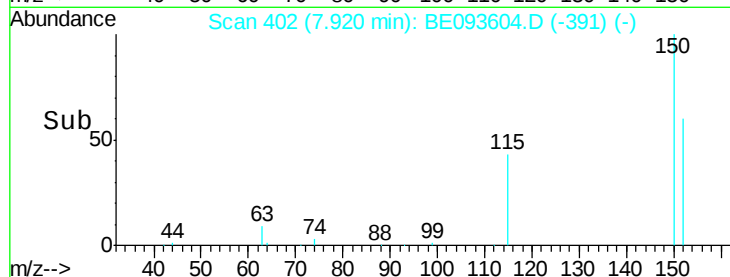
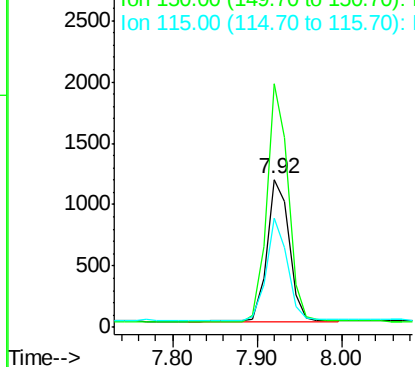
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. -0.01 min  
Lab File: BE093604.D  
Acq: 26 Jul 2017 14:47

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-170718

Tgt Ion:152 Resp: 2098  
Ion Ratio Lower Upper  
152 100  
150 164.6 125.1 187.7  
115 73.8 55.7 83.5



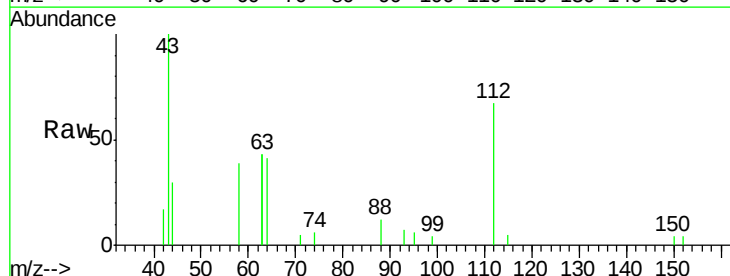
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



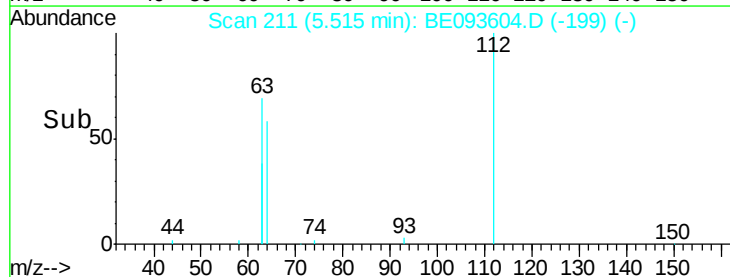
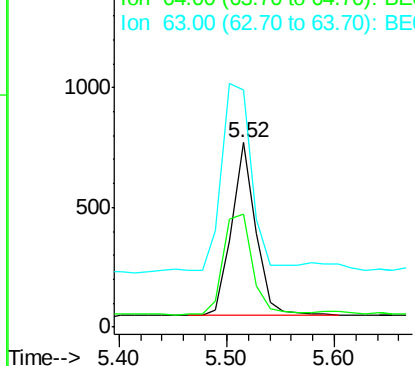
#4

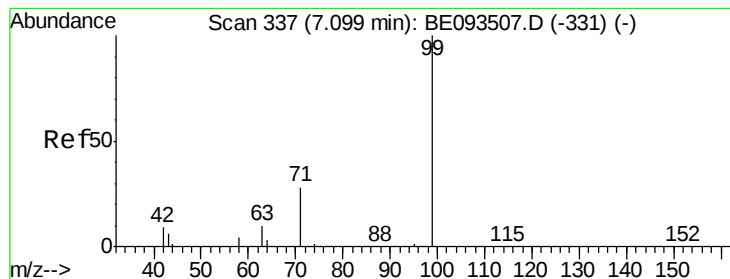
2-Fluorophenol  
Concen: 0.157 ng  
RT: 5.52 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: BE093604.D  
Acq: 26 Jul 2017 14:47

Tgt Ion:112 Resp: 1141  
Ion Ratio Lower Upper  
112 100  
64 69.9 56.4 84.6  
63 140.2 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: 0.095 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-170718

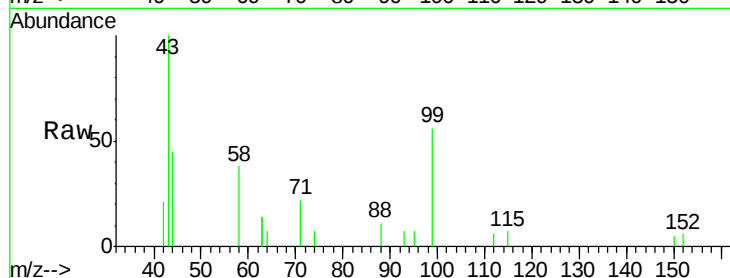
Tgt Ion: 99 Resp: 965

Ion Ratio Lower Upper

99 100

42 18.5 0.0 0.0#

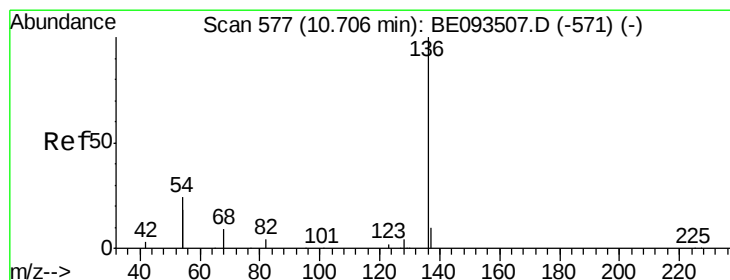
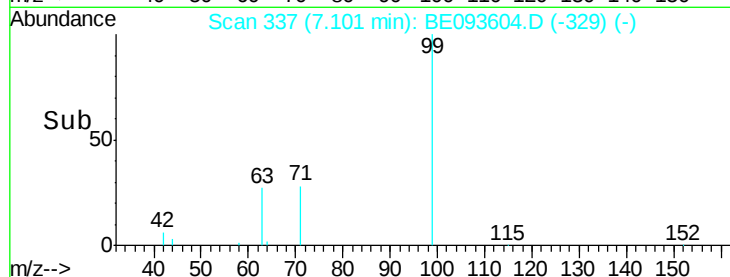
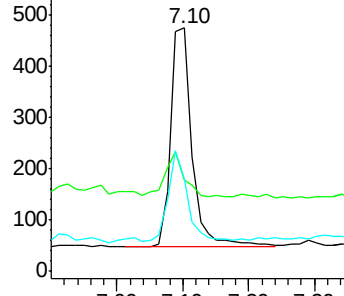
71 37.3 0.0 0.0#



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: BE093604.D

Acq: 26 Jul 2017 14:47

Tgt Ion: 136 Resp: 9862

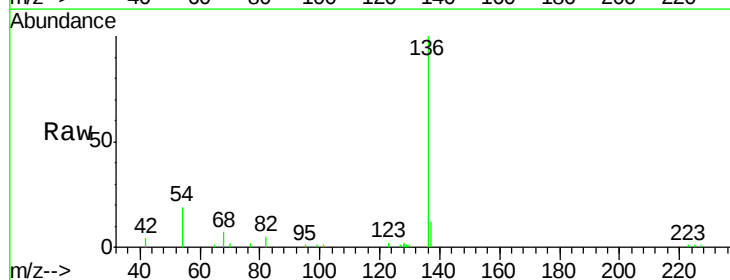
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 38.5 10.3 15.5#

68 7.3 9.0 13.4#

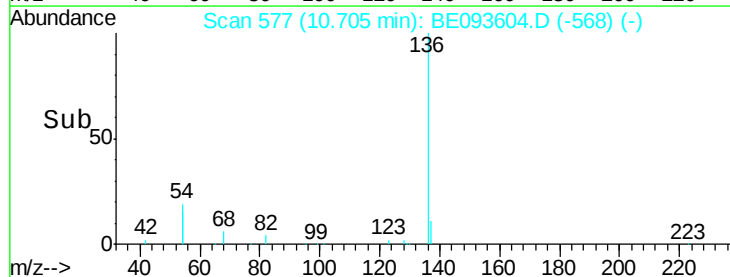
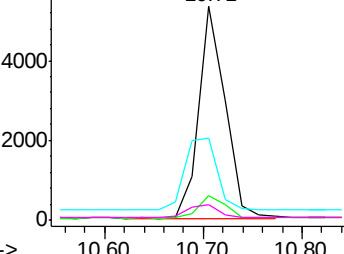


Abundance Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-170718

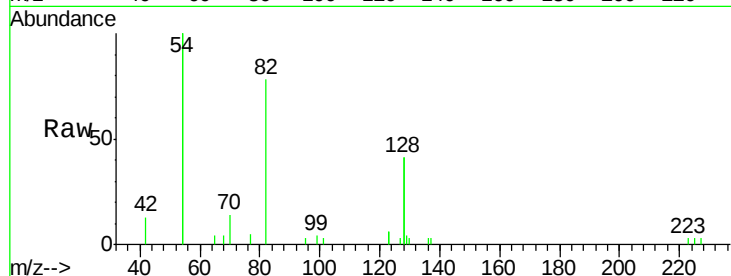
Tgt Ion: 82 Resp: 2927

Ion Ratio Lower Upper

82 100

128 104.2 17.0 25.4#

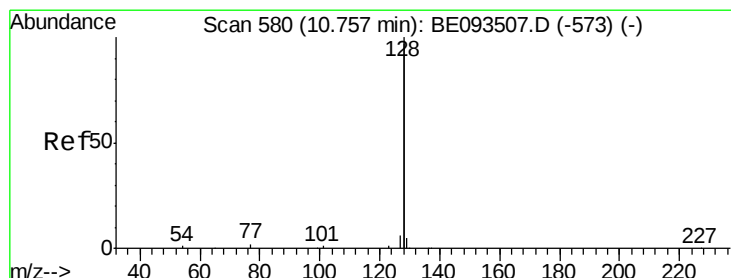
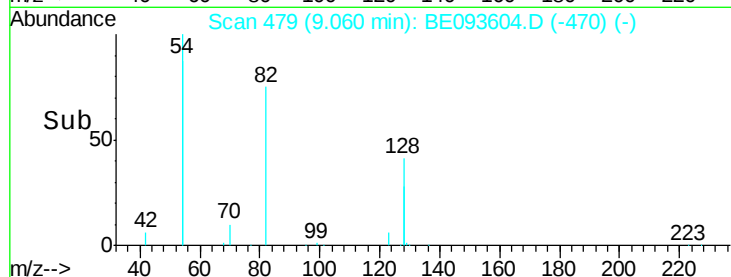
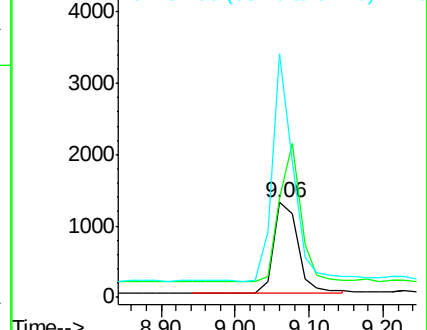
54 256.9 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093507.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093507.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093507.D (-477) (-)



#9

Naphthalene

Concen: 0.064 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

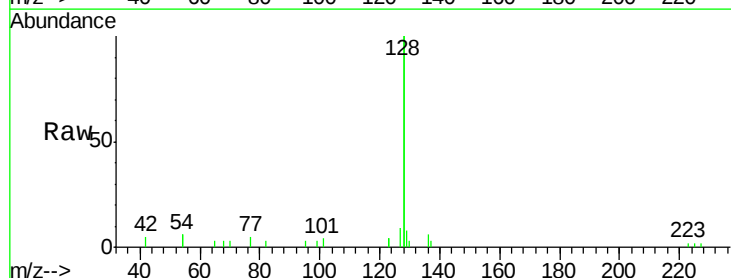
Tgt Ion: 128 Resp: 7322

Ion Ratio Lower Upper

128 100

129 3.9 2.4 3.6#

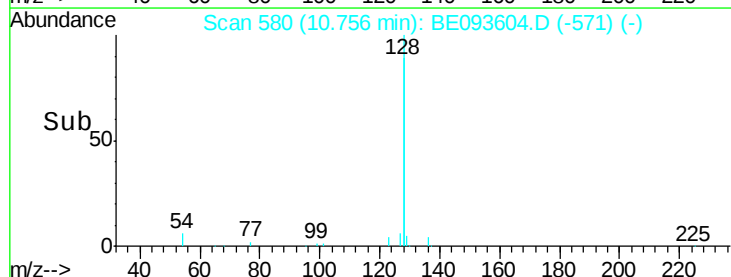
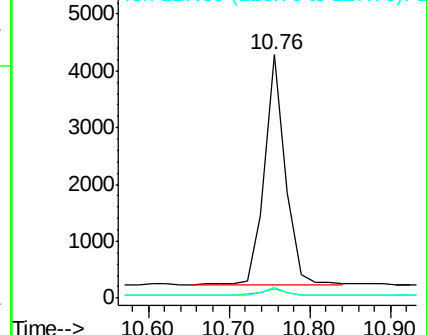
127 4.5 2.4 3.6#

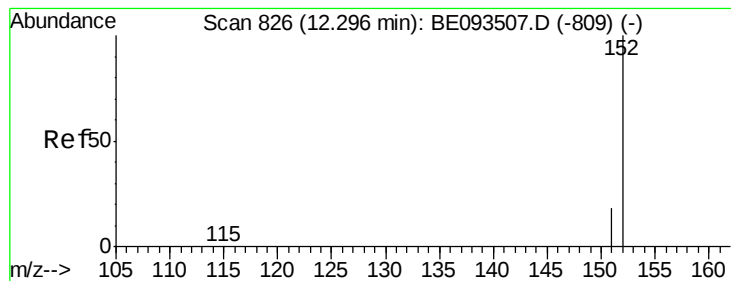


Abundance Ion 128.00 (127.70 to 128.70): BE093507.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE093507.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE093507.D (-573) (-)

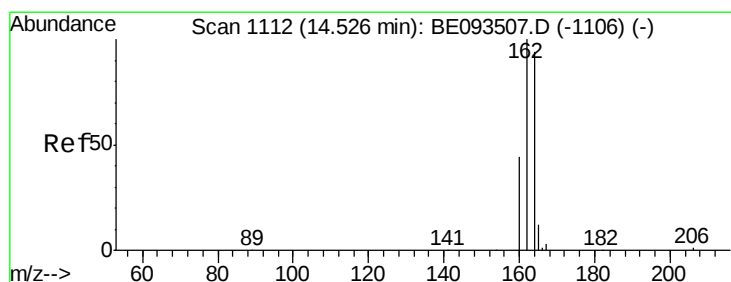
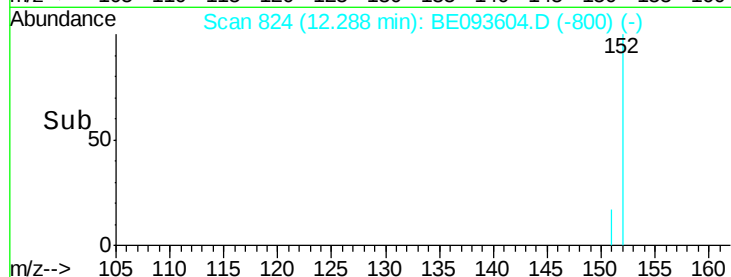
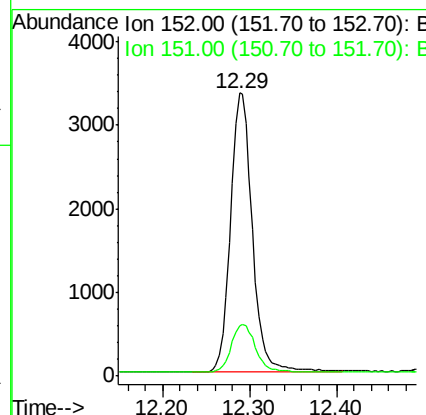
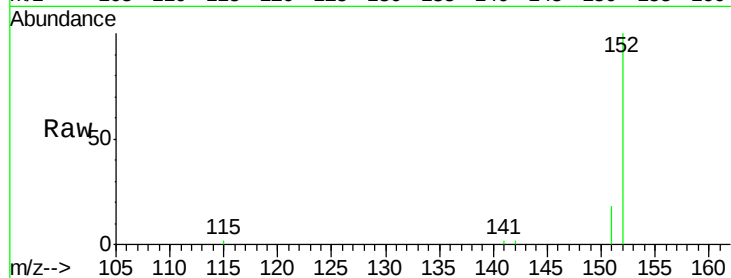




#11  
2-Methylnaphthalene-d10  
Concen: 0.367 ng  
RT: 12.29 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: BE093604.D  
Acq: 26 Jul 2017 14:47

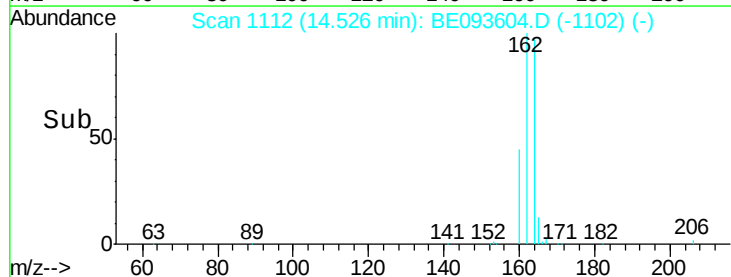
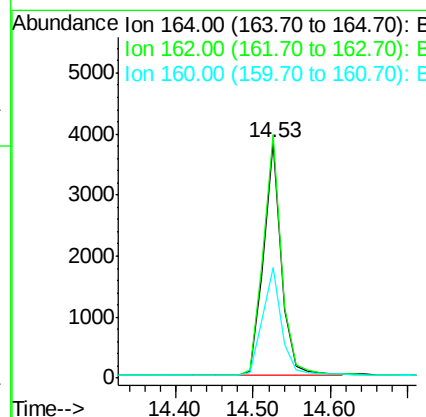
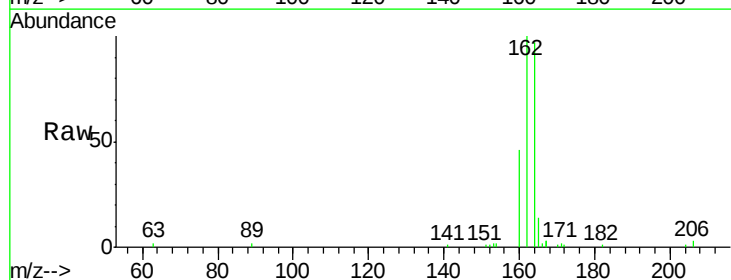
Instrument :  
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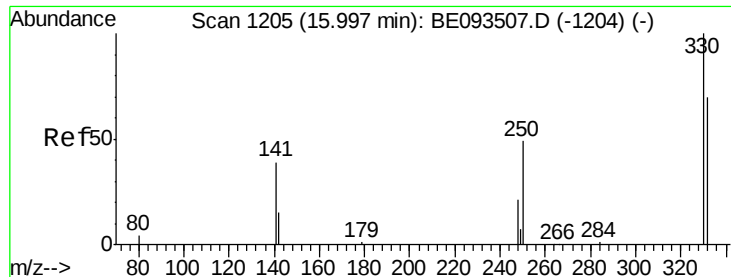
Tgt Ion:152 Resp: 5856  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.1 22.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: BE093604.D  
Acq: 26 Jul 2017 14:47

Tgt Ion:164 Resp: 6141  
Ion Ratio Lower Upper  
164 100  
162 103.3 84.6 127.0  
160 47.0 41.8 62.6

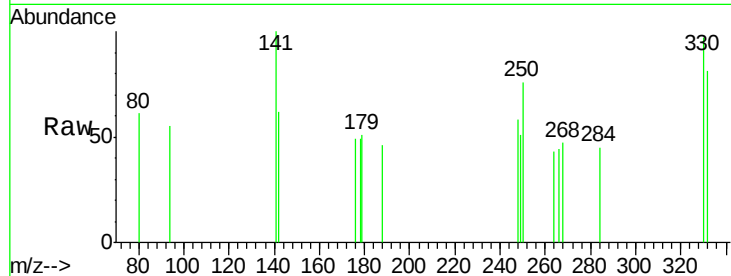




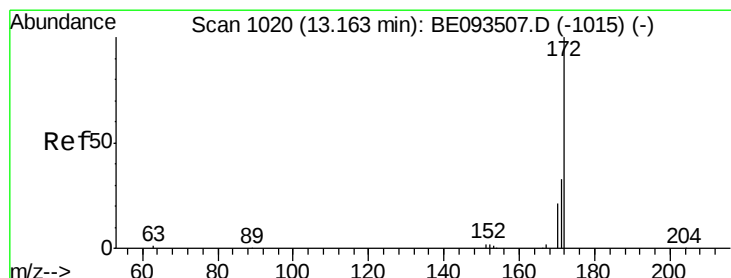
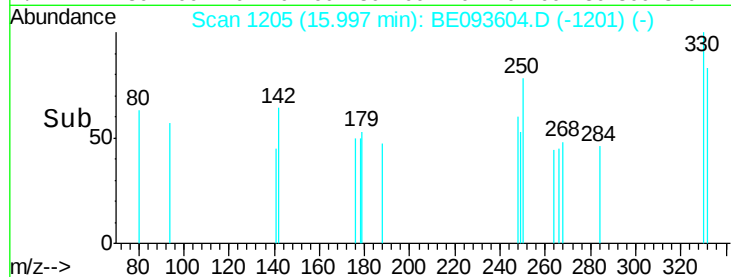
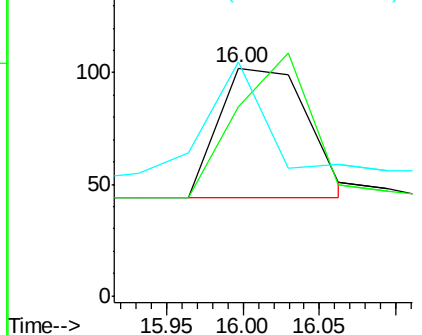
#14  
 2,4,6-Tribromophenol  
 Concen: 0.105 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BE093604.D  
 Acq: 26 Jul 2017 14:47

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-170718

Tgt Ion: 330 Resp: 235  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 77.7 116.5#  
 141 50.6 56.2 84.4#

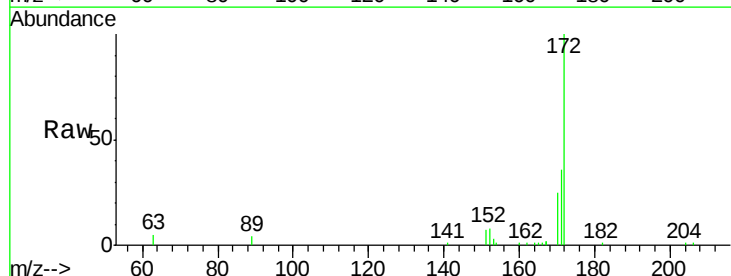


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

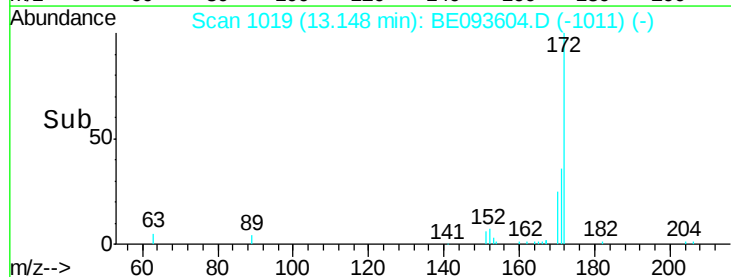
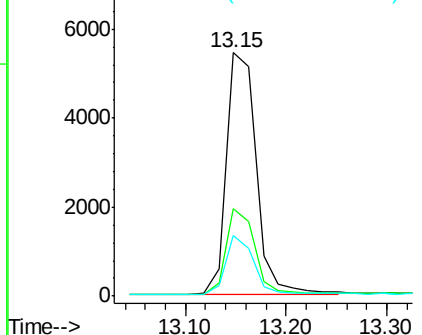


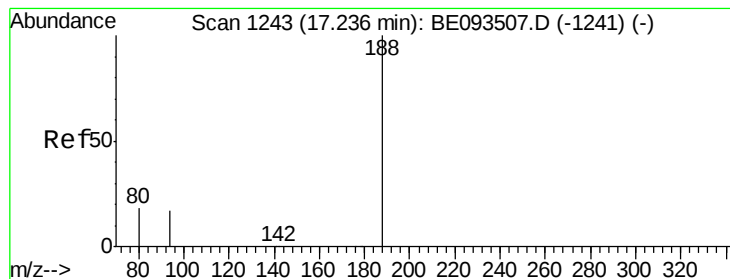
#15  
 2-Fluorobiphenyl  
 Concen: 0.460 ng  
 RT: 13.15 min Scan# 1019  
 Delta R.T. -0.02 min  
 Lab File: BE093604.D  
 Acq: 26 Jul 2017 14:47

Tgt Ion: 172 Resp: 11120  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.8 44.6  
 170 24.9 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: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

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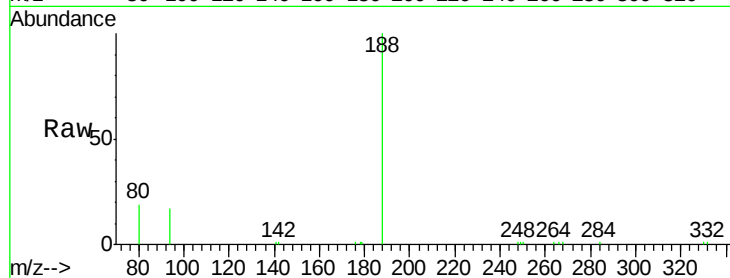
Tgt Ion:188 Resp: 15285

Ion Ratio Lower Upper

188 100

94 17.4 11.3 16.9#

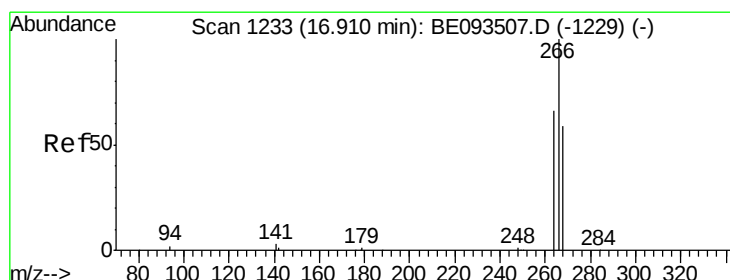
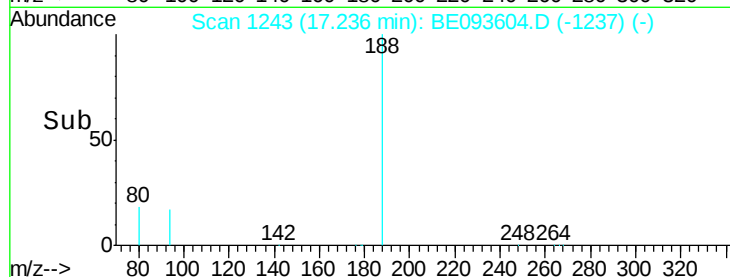
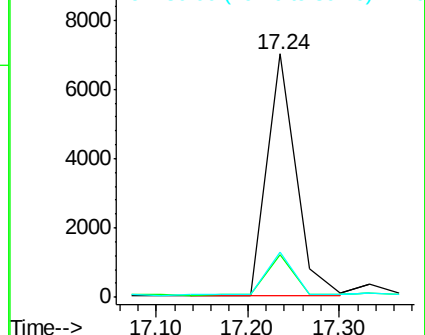
80 18.6 11.7 17.5#



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



#22

Pentachlorophenol

Concen: 0.192 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

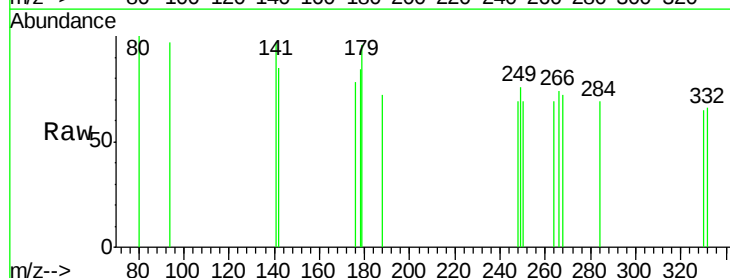
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 94.0 56.0 84.0#

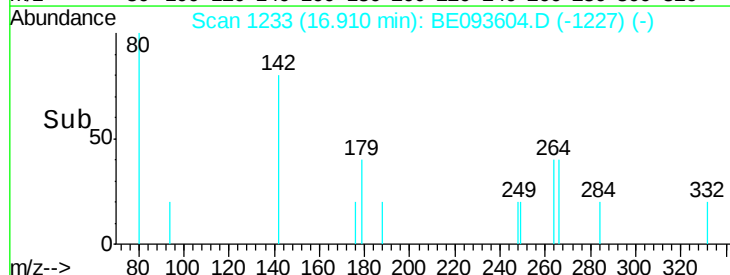
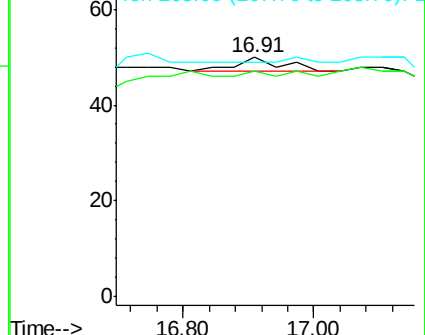
268 98.0 52.0 78.0#

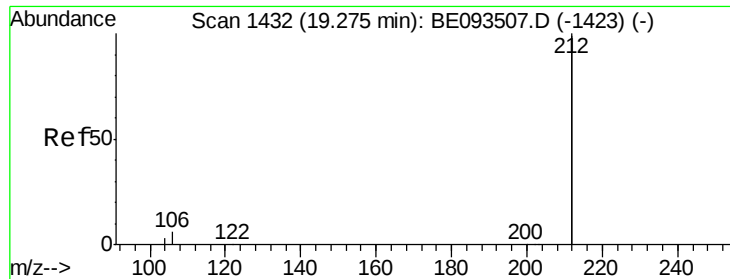


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.289 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-170718

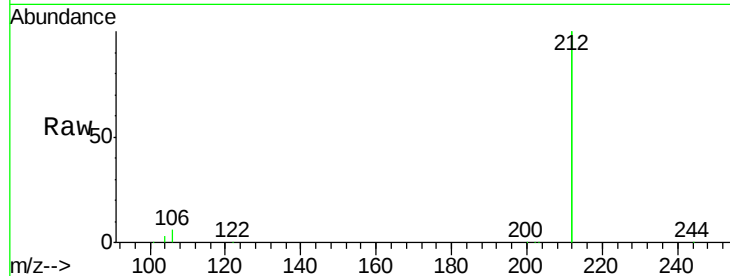
Tgt Ion:212 Resp: 70361

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

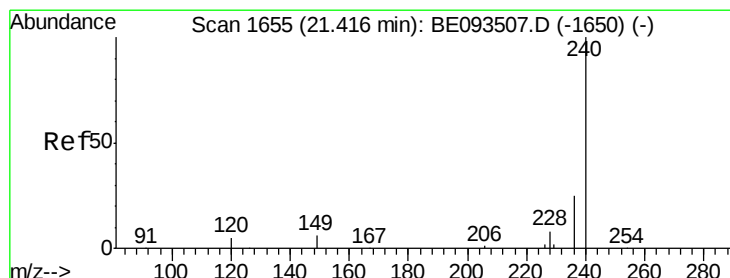
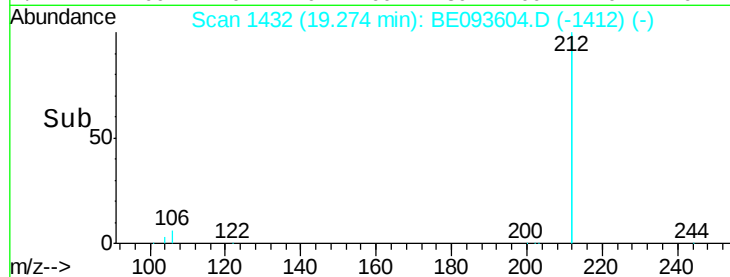
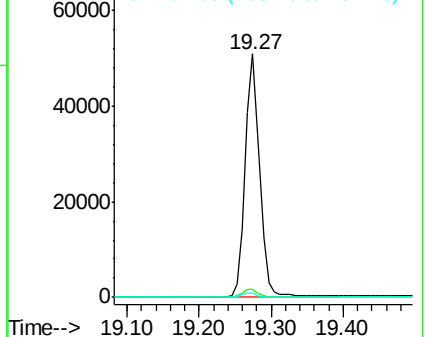
104 1.9 1.6 2.4



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: BE093604.D

Acq: 26 Jul 2017 14:47

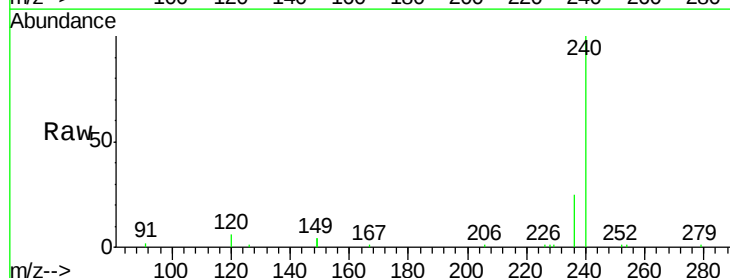
Tgt Ion:240 Resp: 16796

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

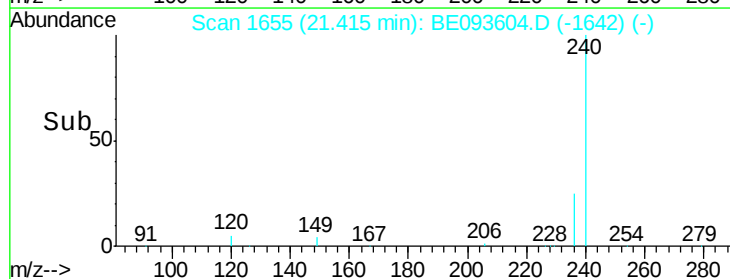
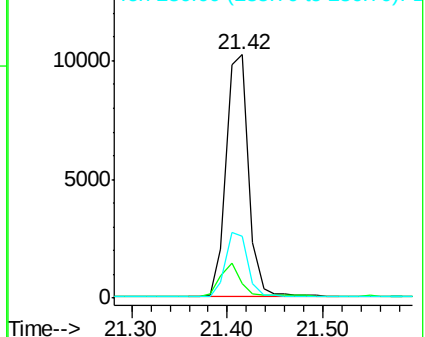
236 25.3 20.8 31.2

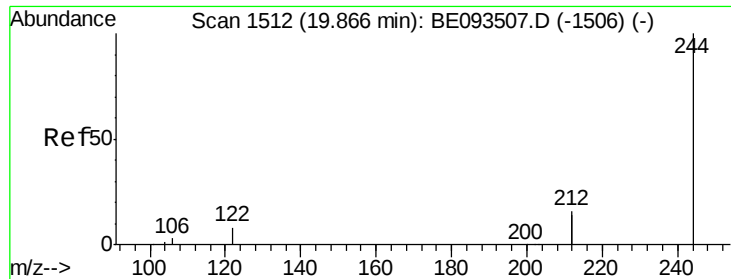


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.449 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-170718

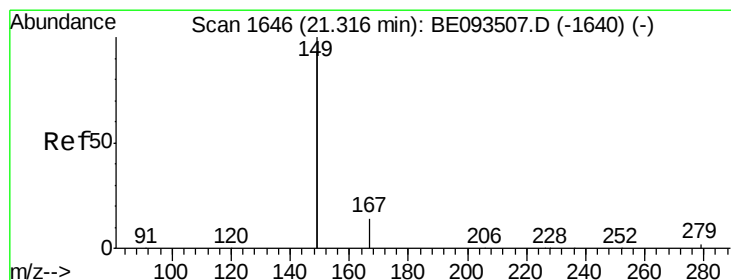
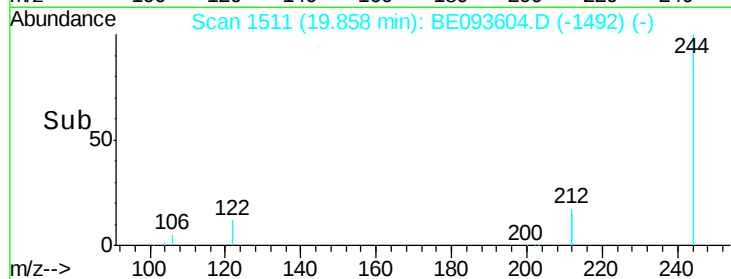
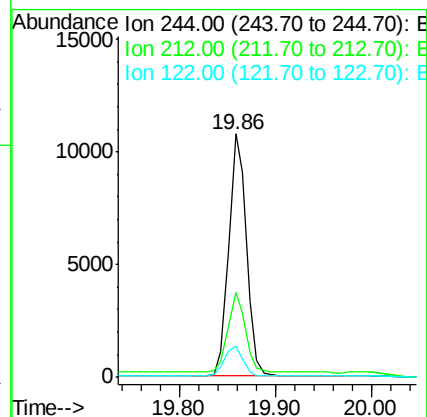
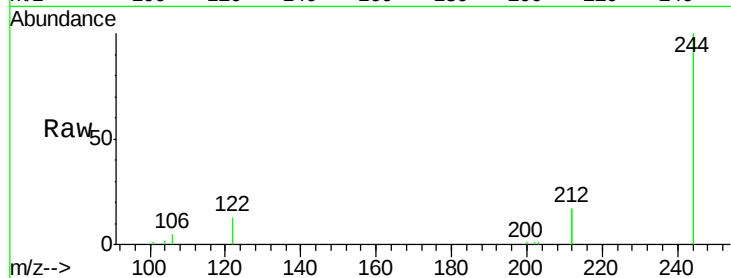
Tgt Ion:244 Resp: 13735

Ion Ratio Lower Upper

244 100

212 34.7 10.6 16.0#

122 12.7 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.033 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

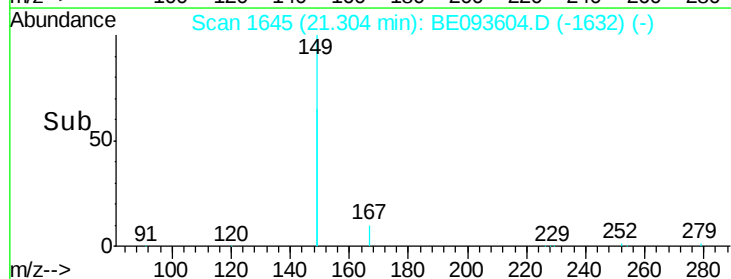
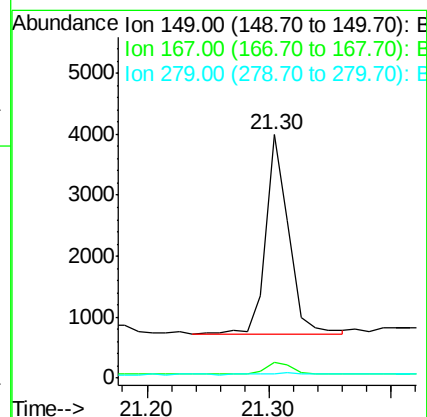
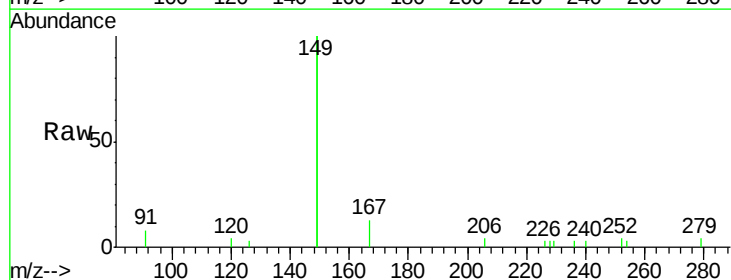
Tgt Ion:149 Resp: 4293

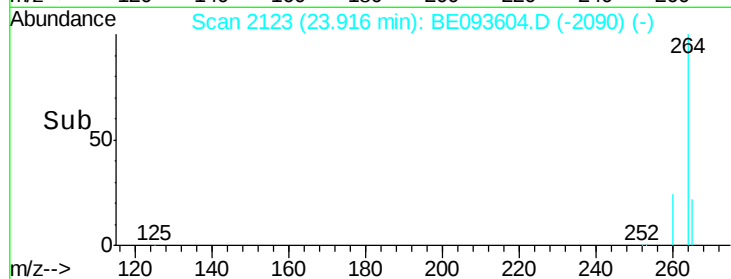
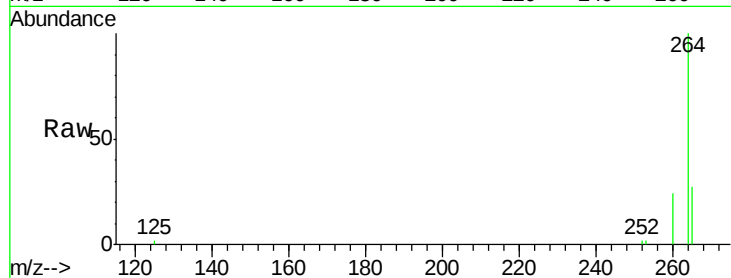
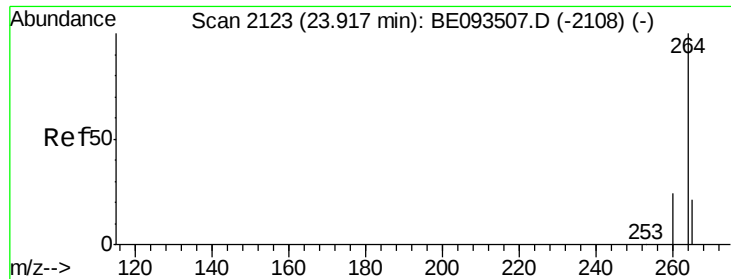
Ion Ratio Lower Upper

149 100

167 6.4 4.8 7.2

279 1.2 0.8 1.2#





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE093604.D

Acq: 26 Jul 2017 14:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-170718

Tgt Ion: 264 Resp: 15109

Ion Ratio Lower Upper

264 100

260 24.2 21.0 31.4

265 26.5 24.6 36.8

