

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\  
 Data File : BE094185.D  
 Acq On : 6 Oct 2017 18:47  
 Operator : SJ/JU  
 Sample : I5660-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-171003

Quant Time: Oct 07 01:42:05 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 15:16:13 2017  
 Response via : Initial Calibration

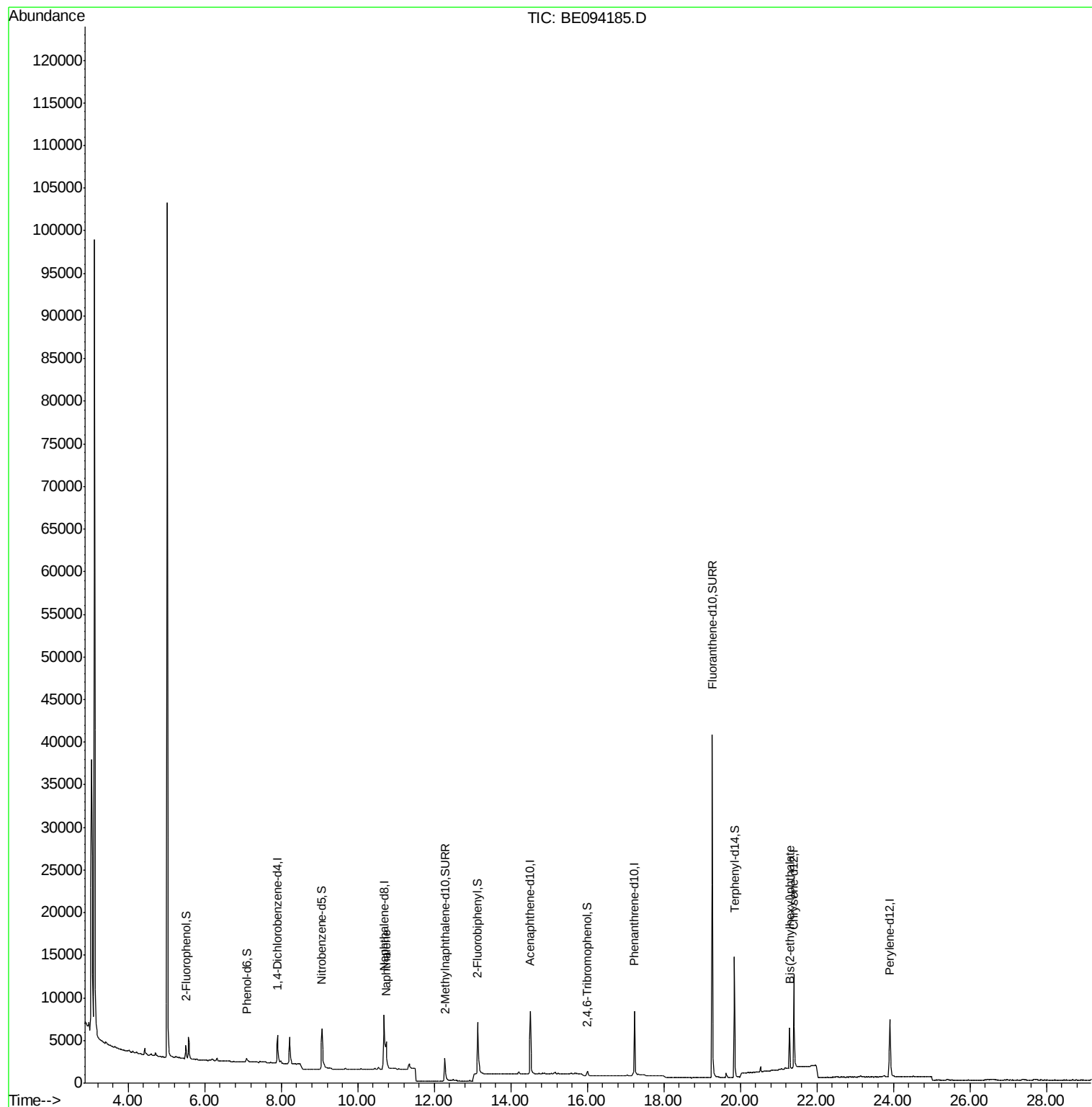
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.91  | 152  | 1729     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.69 | 136  | 8129     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.51 | 164  | 4871     | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.24 | 188  | 15039    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.40 | 240  | 12354    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.91 | 264  | 11529    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.50  | 112  | 939      | 0.16  | ng    | 0.00        |
| 5) Phenol-d6                   | 7.10  | 99   | 774      | 0.09  | ng    | 0.01        |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 2734     | 0.40  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 5009     | 0.40  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 16.00 | 330  | 606      | 0.29  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.13 | 172  | 8154     | 0.49  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.26 | 212  | 58549    | 0.39  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.84 | 244  | 12590    | 0.54  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 9) Naphthalene                 | 10.74 | 128  | 6057     | 0.066 | ng    | Qvalue # 96 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 6702     | 0.072 | ng    | 99          |

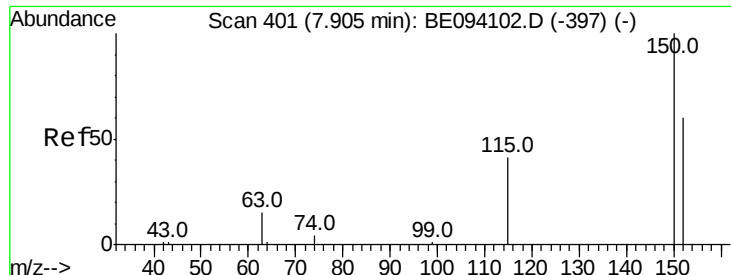
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\  
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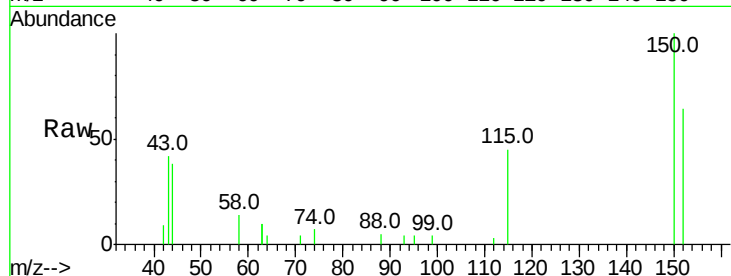


#1

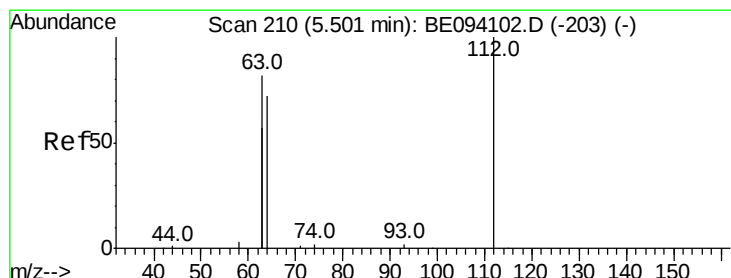
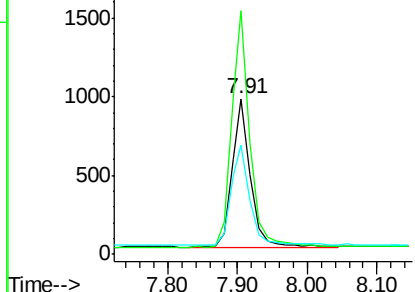
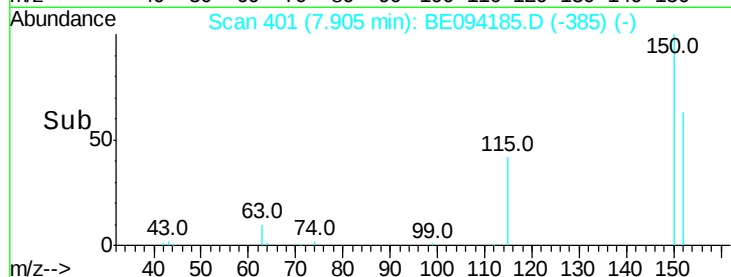
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.91 min Scan# 401  
Delta R.T. 0.00 min  
Lab File: BE094185.D  
Acq: 6 Oct 2017 18:47

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-171003

Tot Ion:152 Resp: 1729  
Ion Ratio Lower Upper  
152 100  
150 156.2 117.2 175.8  
115 70.0 57.0 85.6



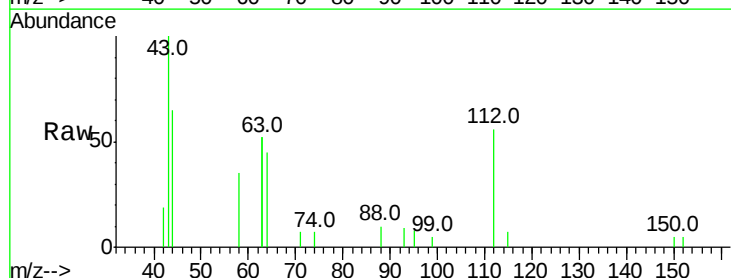
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



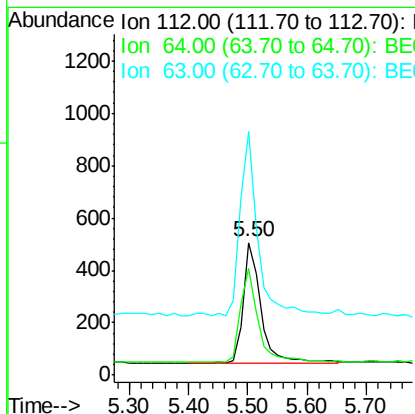
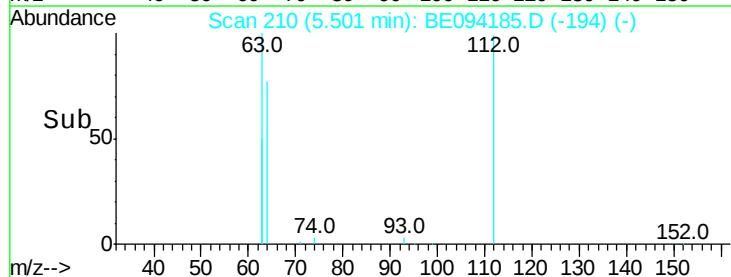
#4

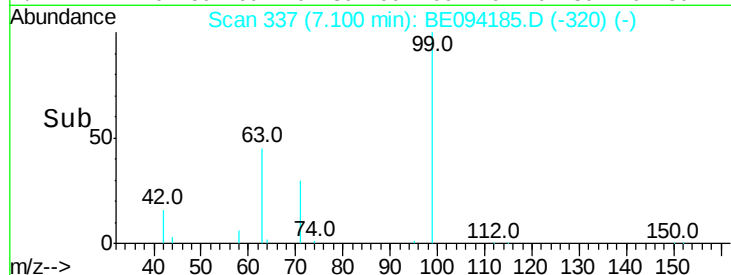
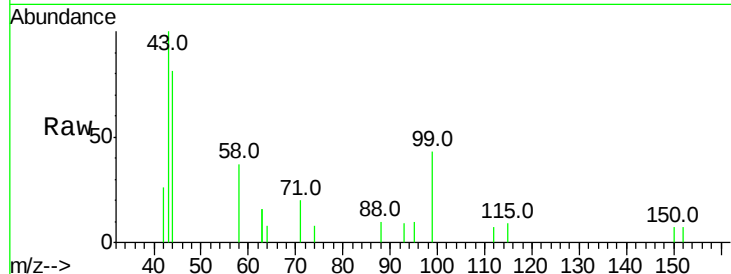
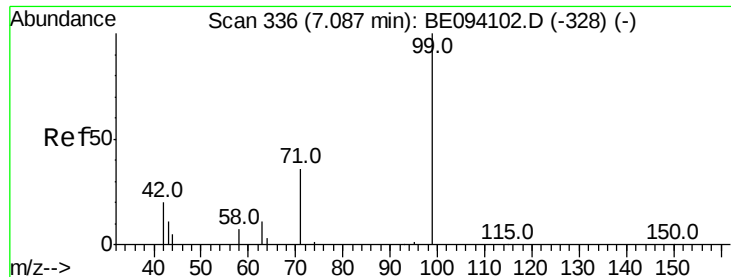
2-Fluorophenol  
Concen: 0.163 ng  
RT: 5.50 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: BE094185.D  
Acq: 6 Oct 2017 18:47

Tgt Ion:112 Resp: 939  
Ion Ratio Lower Upper  
112 100  
64 79.8 60.1 90.1  
63 152.1 116.8 175.2



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: 0.093 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-171003

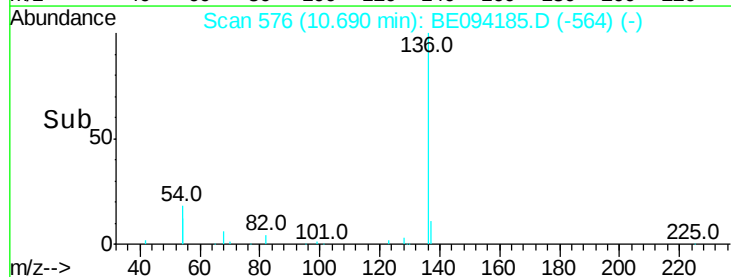
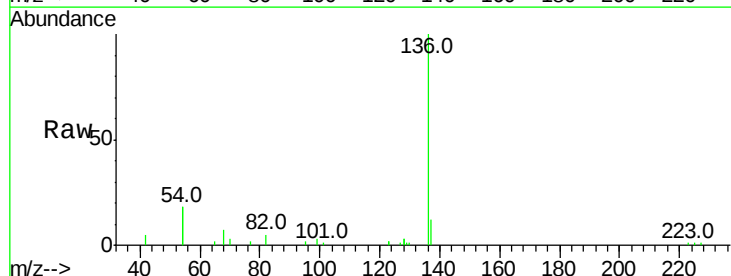
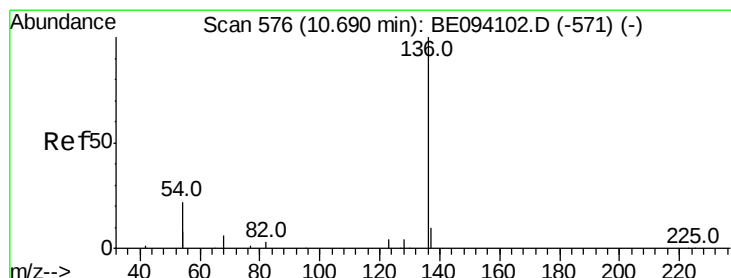
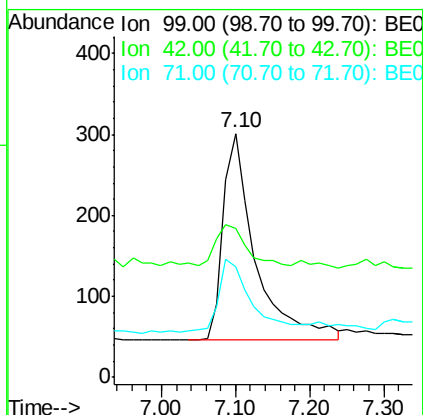
Tot Ion: 99 Resp: 774

Ion Ratio Lower Upper

99 100

42 19.4 20.2 30.2#

71 38.9 28.4 42.6



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Tgt Ion:136 Resp: 8129

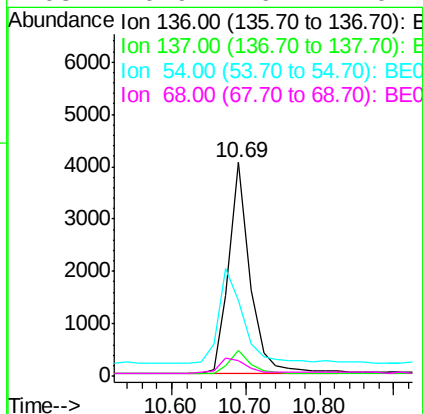
Ion Ratio Lower Upper

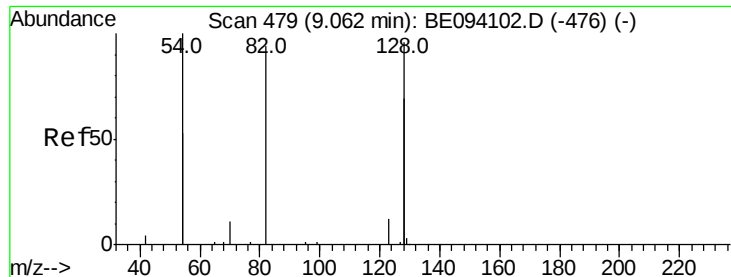
136 100

137 11.7 9.5 14.3

54 35.1 29.1 43.7

68 6.9 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.404 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-171003

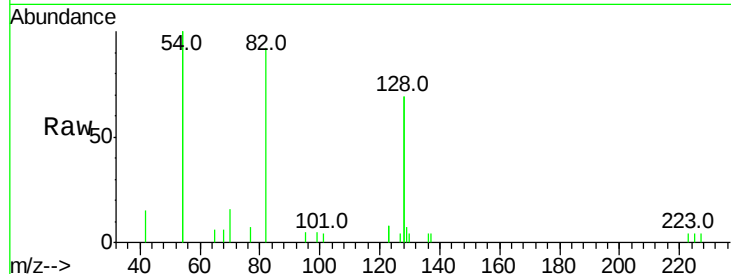
Tot Ion: 82 Resp: 2734

Ion Ratio Lower Upper

82 100

128 149.0 150.0 225.0#

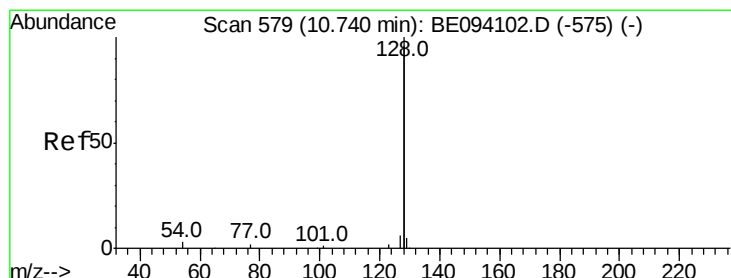
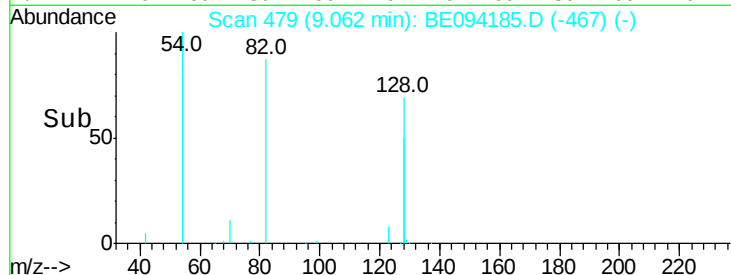
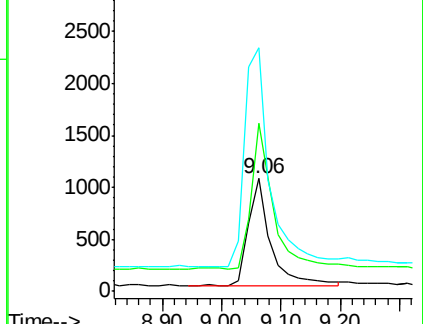
54 216.3 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094102.D (-476) (-)

Ion 128.00 (127.70 to 128.70): BE094102.D (-476) (-)

Ion 54.00 (53.70 to 54.70): BE094102.D (-476) (-)



#9

Naphthalene

Concen: 0.066 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

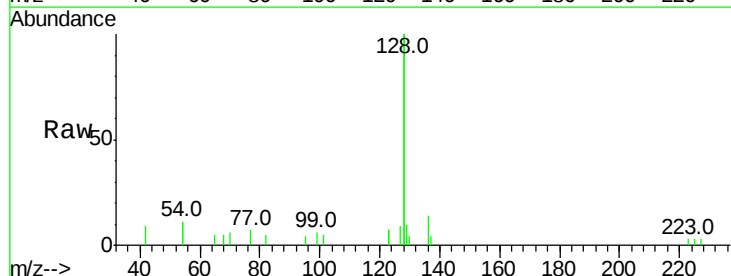
Tgt Ion: 128 Resp: 6057

Ion Ratio Lower Upper

128 100

129 5.1 2.6 3.8#

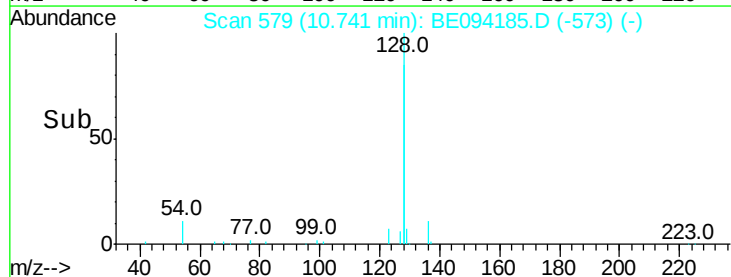
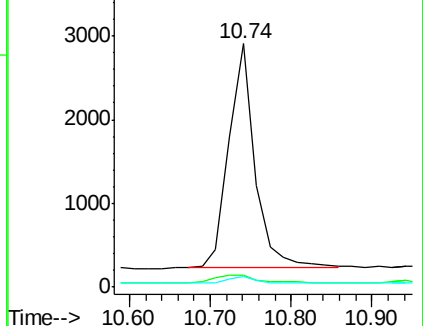
127 4.5 2.8 4.2#

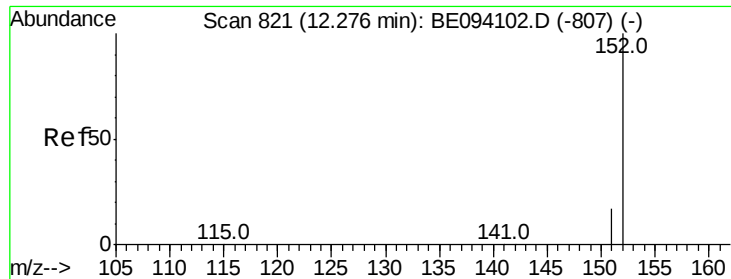


Abundance Ion 128.00 (127.70 to 128.70): BE094102.D (-575) (-)

Ion 129.00 (128.70 to 129.70): BE094102.D (-575) (-)

Ion 127.00 (126.70 to 127.70): BE094102.D (-575) (-)

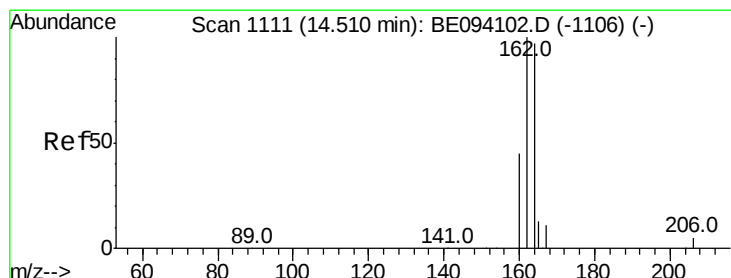
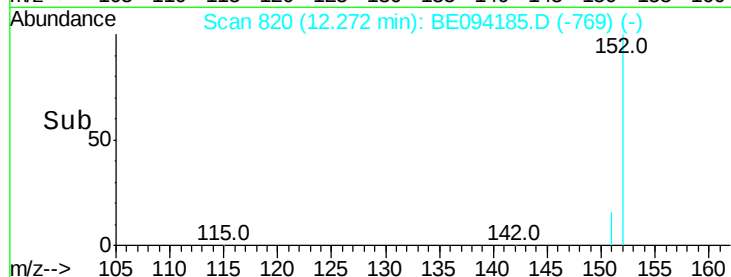
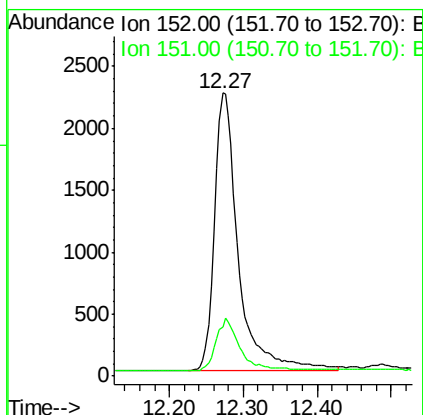
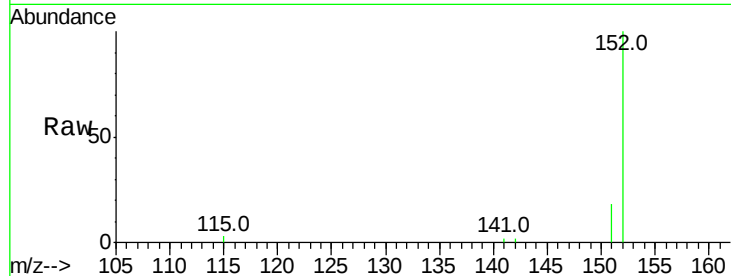




#11  
2-Methylnaphthalene-d10  
Concen: 0.400 ng  
RT: 12.27 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BE094185.D  
Acq: 6 Oct 2017 18:47

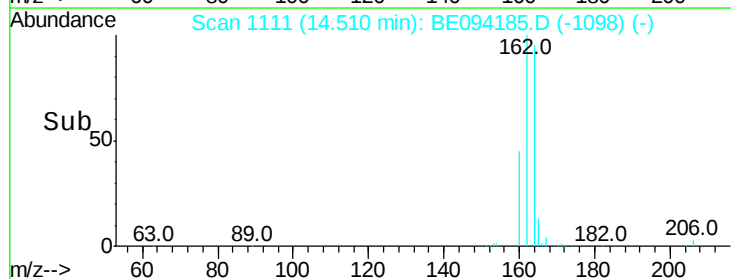
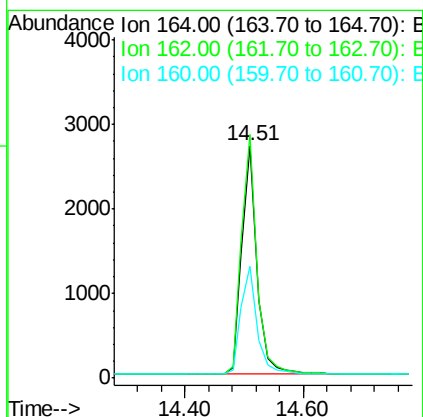
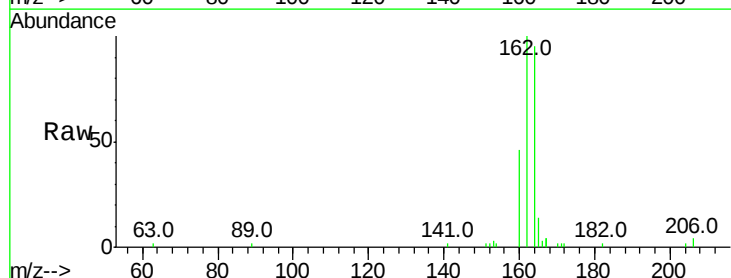
Instrument :  
BNA\_E  
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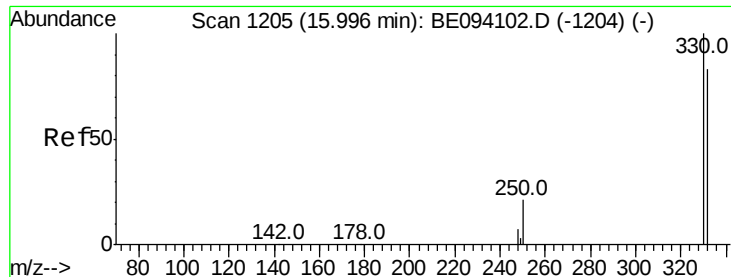
Tot Ion:152 Resp: 5009  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.4 23.0



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: BE094185.D  
Acq: 6 Oct 2017 18:47

Tgt Ion:164 Resp: 4871  
Ion Ratio Lower Upper  
164 100  
162 104.7 83.1 124.7  
160 47.9 37.1 55.7

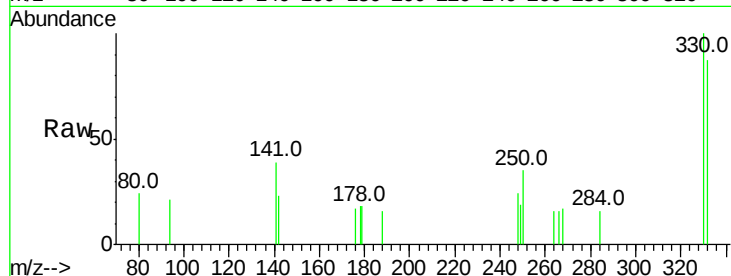




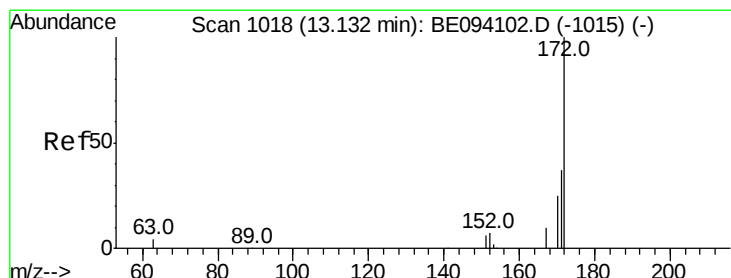
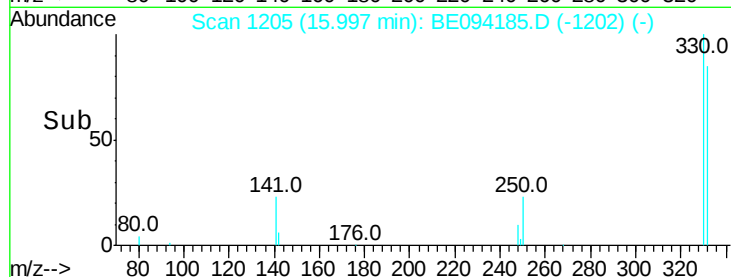
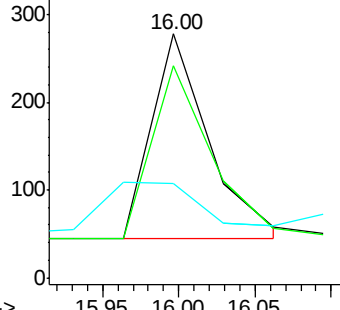
#14  
 2,4,6-Tribromophenol  
 Concen: 0.286 ng  
 RT: 16.00 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BE094185.D  
 Acq: 6 Oct 2017 18:47

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-171003

Tot Ion:330 Resp: 606  
 Ion Ratio Lower Upper  
 330 100  
 332 89.1 152.7 229.1#  
 141 0.0 33.7 50.5#

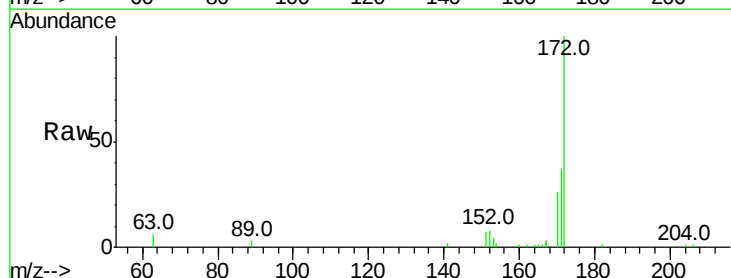


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

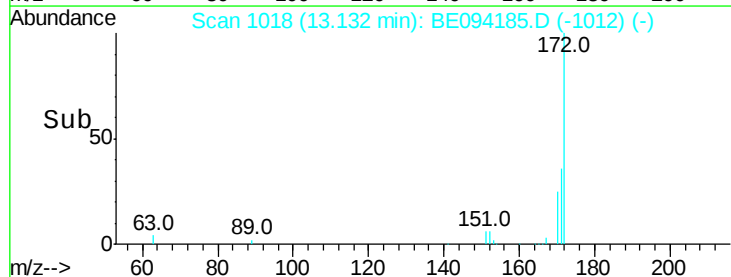
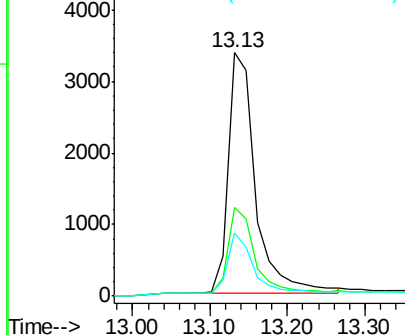


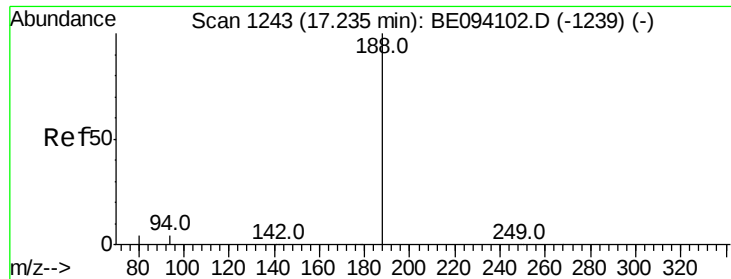
#15  
 2-Fluorobiphenyl  
 Concen: 0.489 ng  
 RT: 13.13 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: BE094185.D  
 Acq: 6 Oct 2017 18:47

Tgt Ion:172 Resp: 8154  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.9 44.9  
 170 25.7 21.8 32.8



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: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-171003

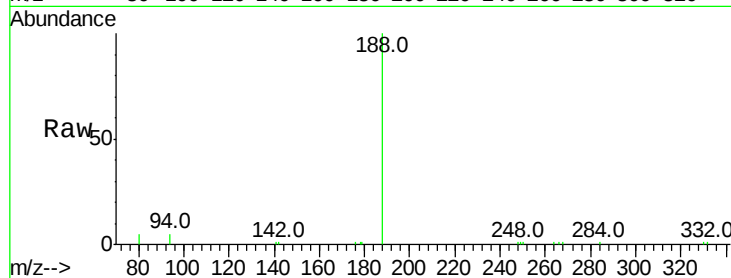
Tot Ion:188 Resp: 15039

Ion Ratio Lower Upper

188 100

94 5.1 3.9 5.9

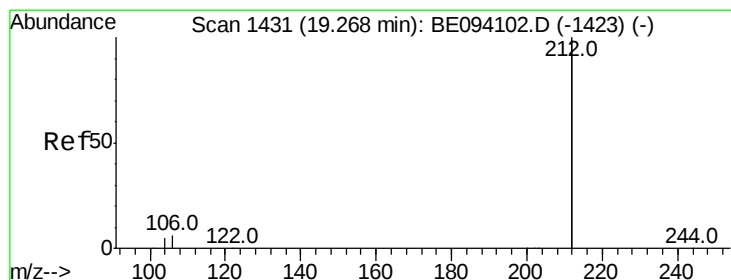
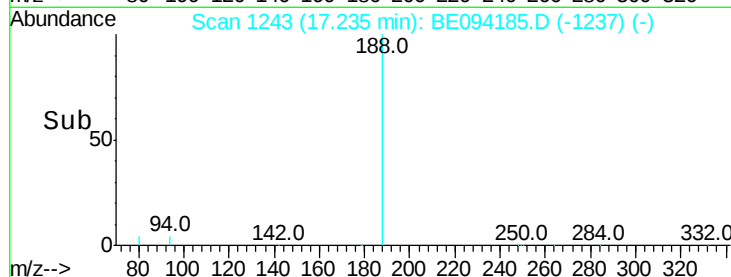
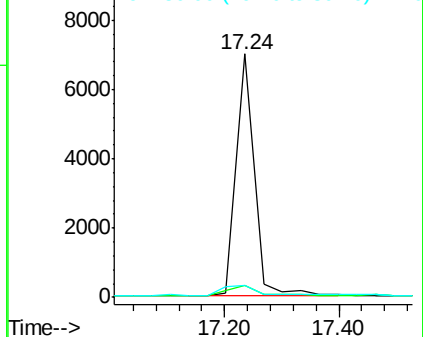
80 5.1 3.6 5.4



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: 0.390 ng

RT: 19.26 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

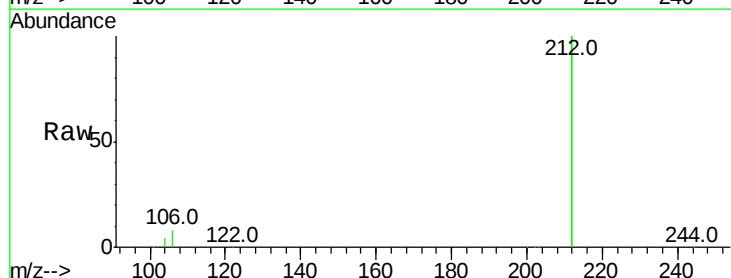
Tgt Ion:212 Resp: 58549

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

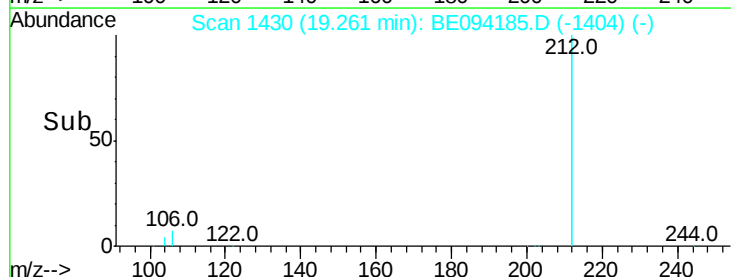
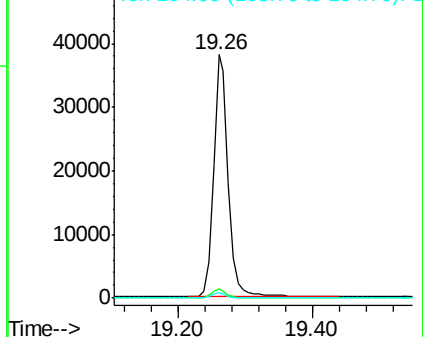
104 2.0 1.6 2.4

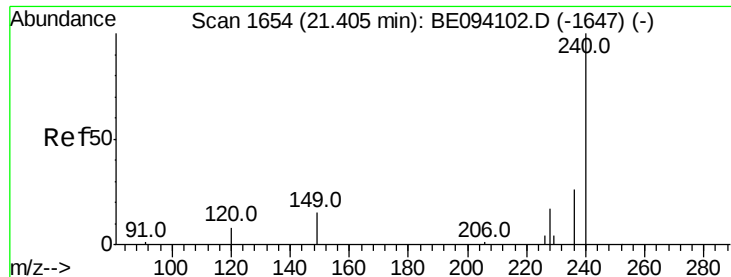


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-171003

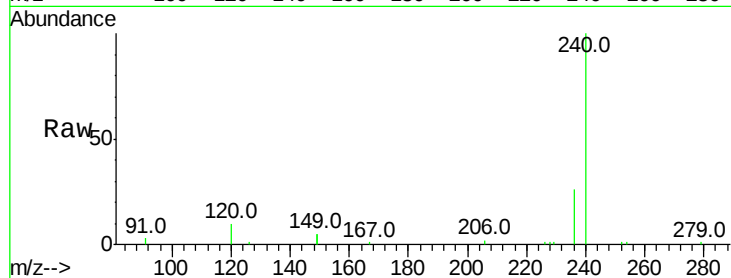
Tot Ion:240 Resp: 12354

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

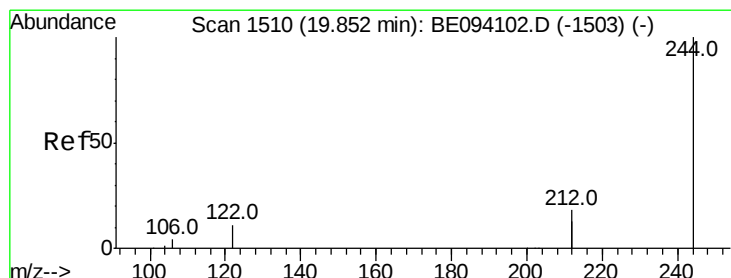
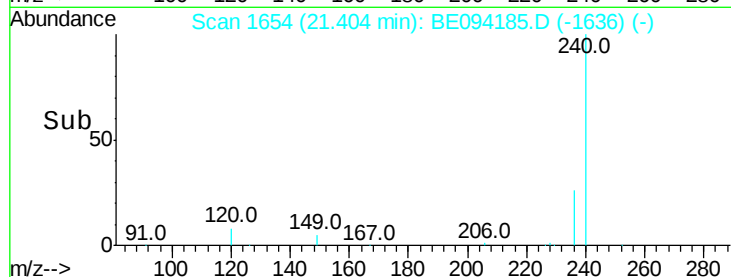
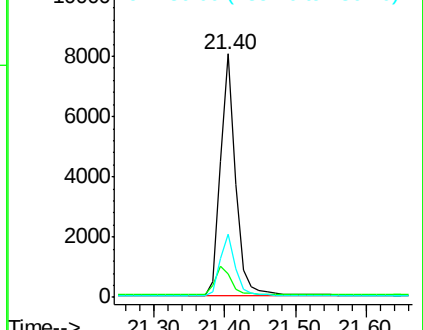
236 26.2 20.7 31.1



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: 0.540 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

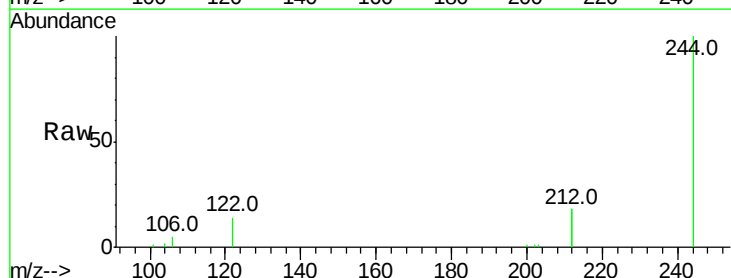
Tgt Ion:244 Resp: 12590

Ion Ratio Lower Upper

244 100

212 35.2 25.4 38.0

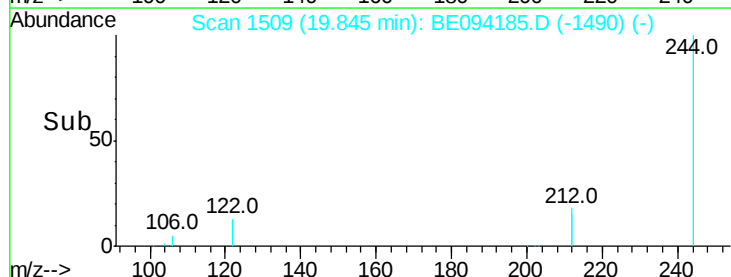
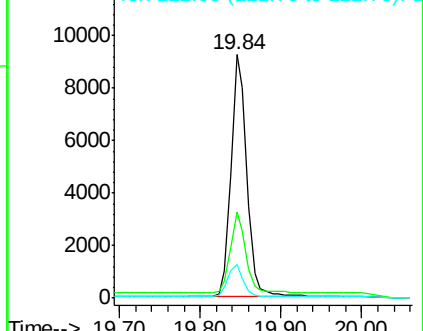
122 13.8 8.1 12.1#

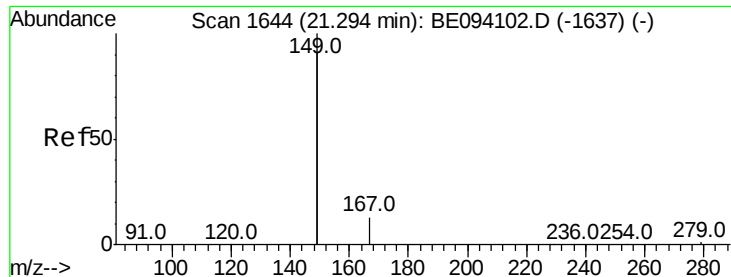


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.072 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

Instrument :

BNA\_E

ClientSampleId :

OUTFALL001-171003

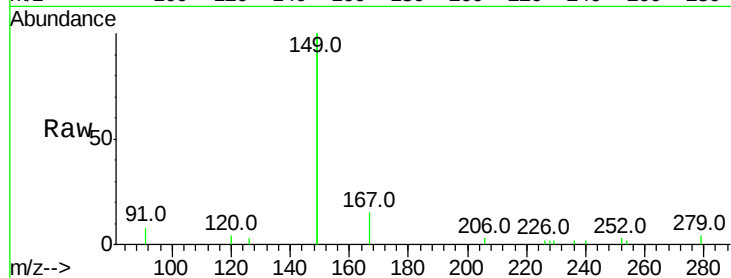
Tot Ion:149 Resp: 6702

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

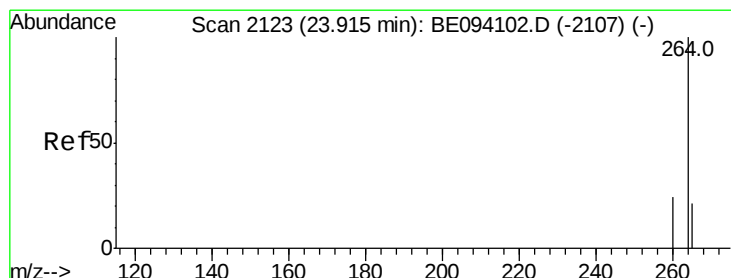
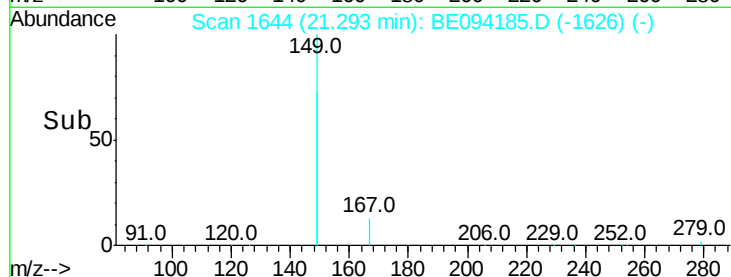
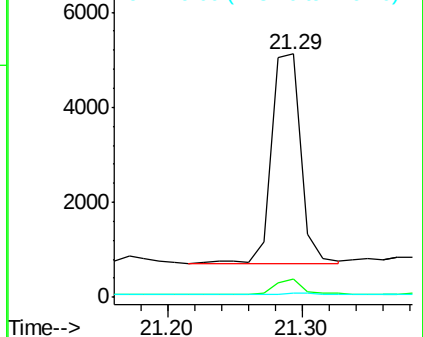
279 1.0 0.7 1.1



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: 23.91 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE094185.D

Acq: 6 Oct 2017 18:47

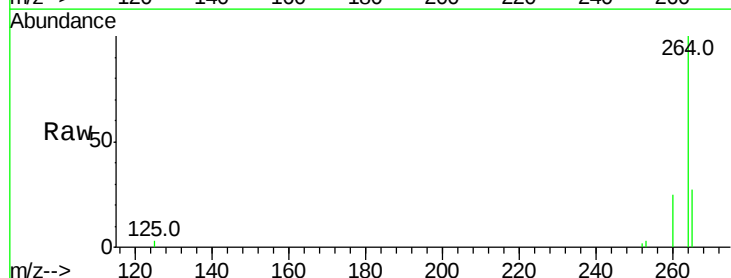
Tgt Ion:264 Resp: 11529

Ion Ratio Lower Upper

264 100

260 24.7 20.5 30.7

265 26.9 22.8 34.2



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

