

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
 Data File : BE094955.D
 Acq On : 8 Dec 2017 18:59
 Operator : SJ/JU
 Sample : I6740-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-462I-20171202

Quant Time: Dec 09 00:27:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

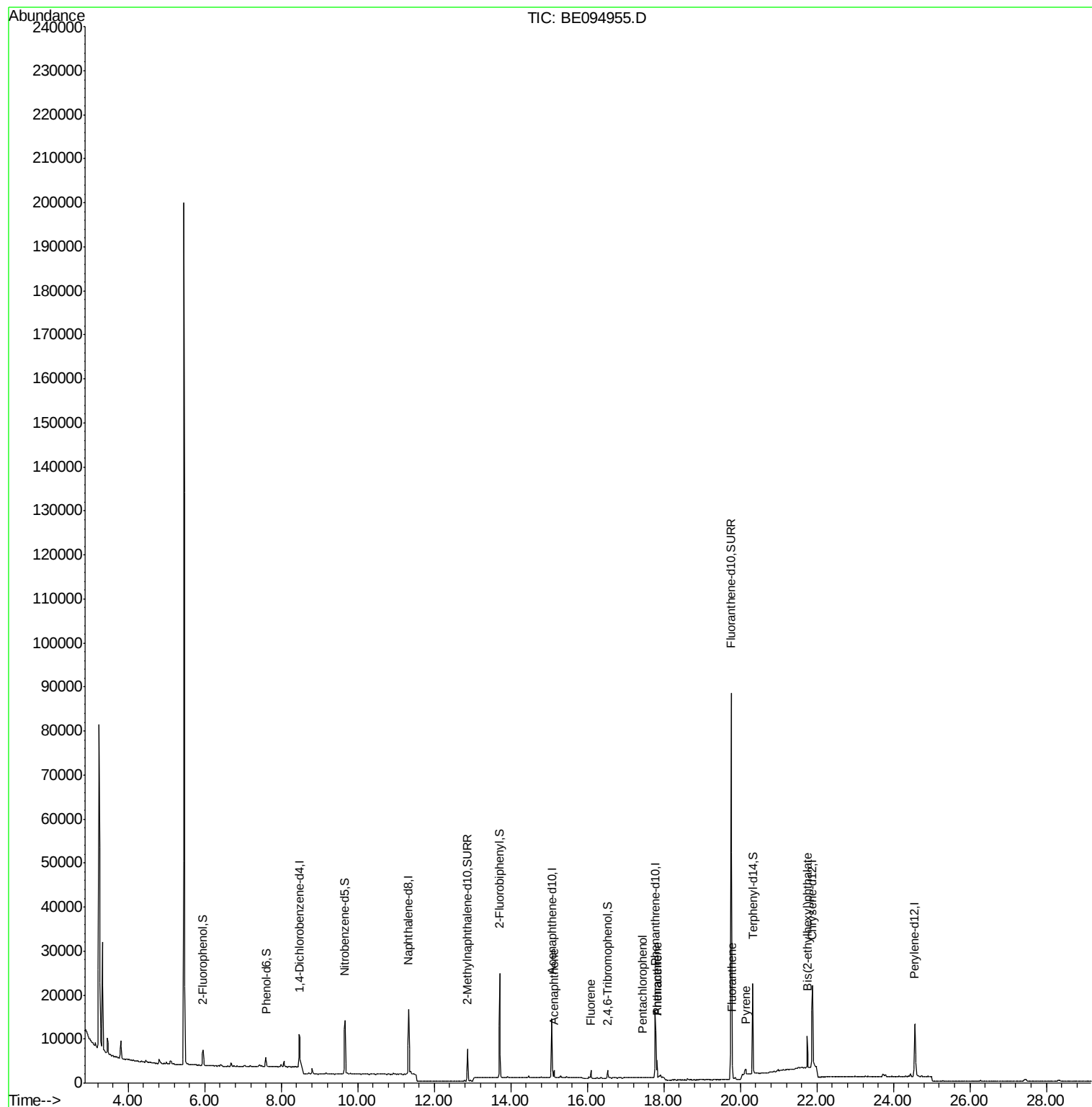
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	7173	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	15828	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	9245	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	22491	0.40	ng	0.00
27) Chrysene-d12	21.89	240	23565	0.40	ng	0.00
34) Perylene-d12	24.56	264	19146	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1907	0.17	ng	0.00
5) Phenol-d6	7.60	99	2113	0.13	ng	0.01
8) Nitrobenzene-d5	9.67	82	5527	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	9709	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1071	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	21463	0.54	ng	0.00
25) Fluoranthene-d10	19.76	212	113309	0.37	ng	0.00
29) Terphenyl-d14	20.33	244	26036	0.60	ng	0.00
Target Compounds						
17) Acenaphthene	15.13	154	970	0.029	ng	Qvalue 95
18) Fluorene	16.10	166	1201	0.028	ng	# 78
22) Pentachlorophenol	17.43	266	61	0.148	ng	91
23) Phenanthrene	17.82	178	4052	0.057	ng	96
24) Anthracene	17.82	178	4052	0.053	ng	96
26) Fluoranthene	19.79	202	2383	0.026	ng	95
28) Pyrene	20.14	202	1743	0.021	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.75	149	9793	0.082	ng	# 100

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

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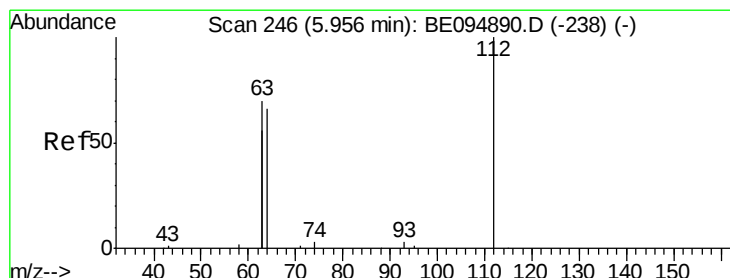
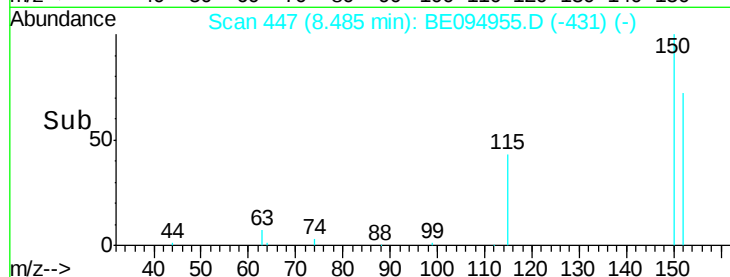
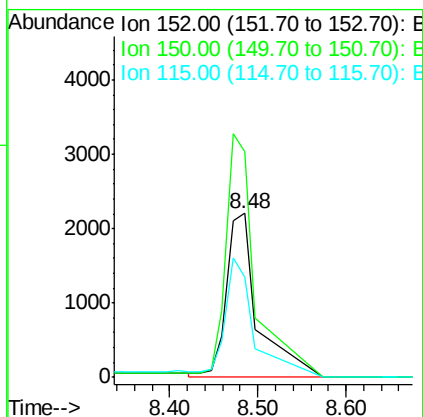
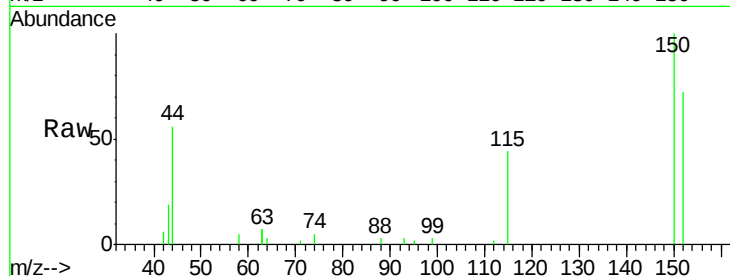


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094955.D
Acq: 8 Dec 2017 18:59

Instrument :
BNA_E
ClientSampleId :
FT-PZ-4621-20171202

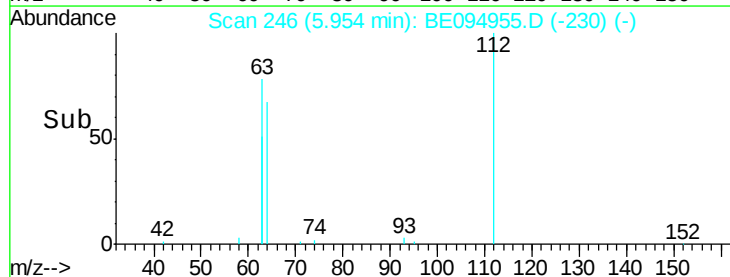
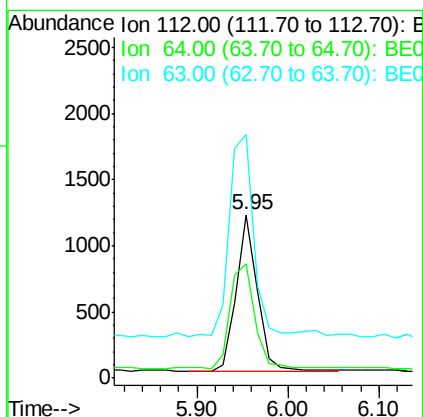
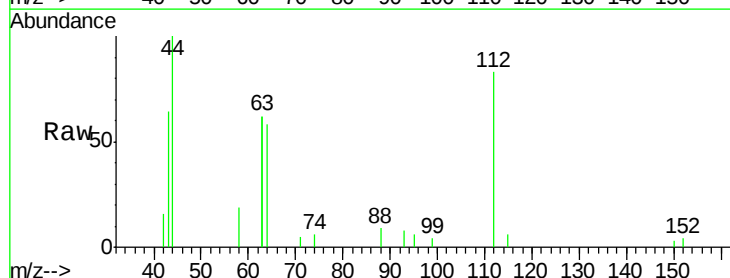
Tot Ion:152 Resp: 7173
Ion Ratio Lower Upper
152 100
150 138.2 117.2 175.8
115 61.4 57.0 85.6

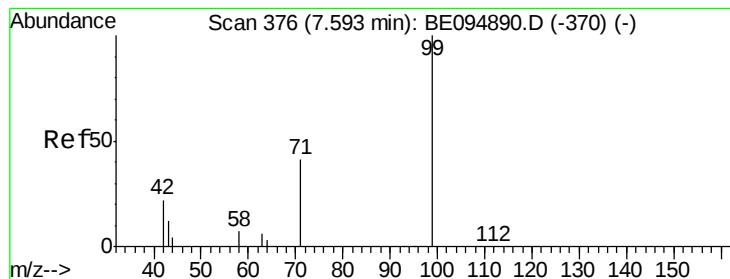


#4

2-Fluorophenol
Concen: 0.168 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094955.D
Acq: 8 Dec 2017 18:59

Tgt Ion:112 Resp: 1907
Ion Ratio Lower Upper
112 100
64 75.8 60.1 90.1
63 148.0 116.8 175.2





#5

Phenol-d6

Concen: 0.126 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

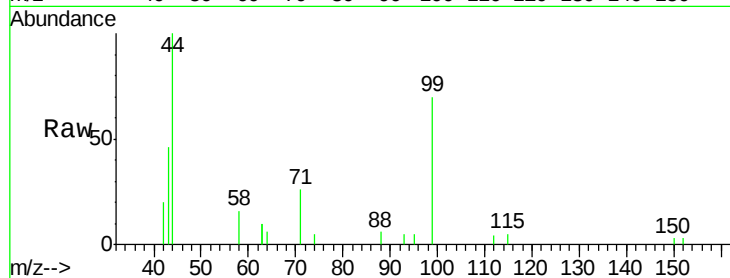
Tot Ion: 99 Resp: 2113

Ion Ratio Lower Upper

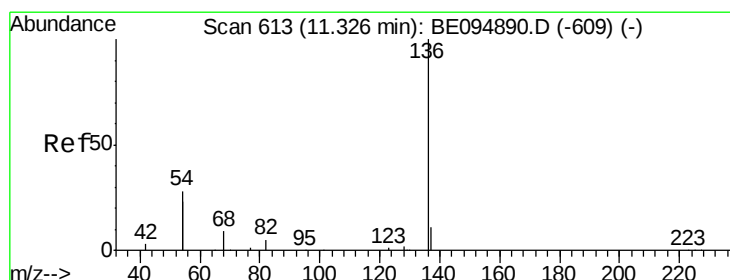
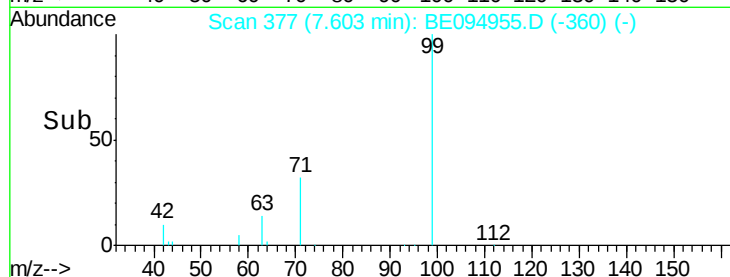
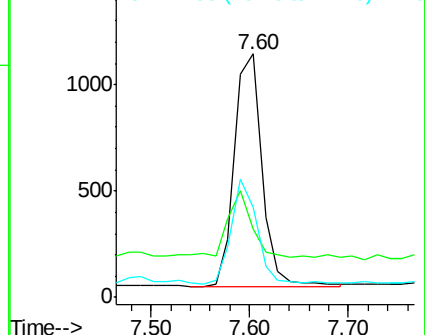
99 100

42 25.3 20.2 30.2

71 41.2 28.4 42.6



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: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Tgt Ion: 136 Resp: 15828

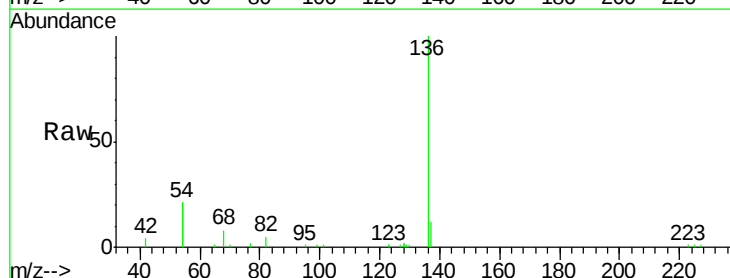
Ion Ratio Lower Upper

136 100

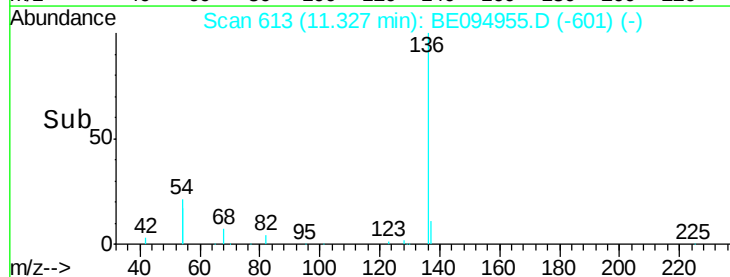
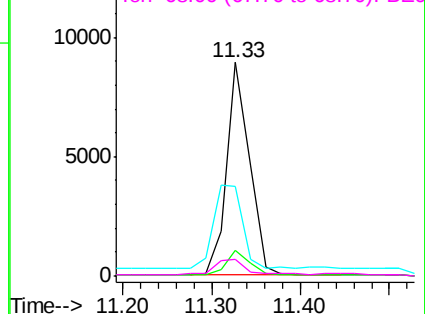
137 11.7 9.5 14.3

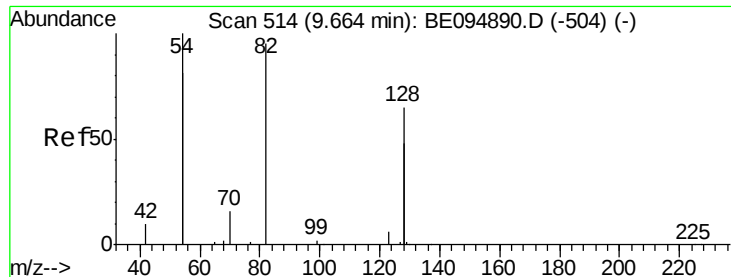
54 42.3 29.1 43.7

68 8.1 6.2 9.2



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: 0.590 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

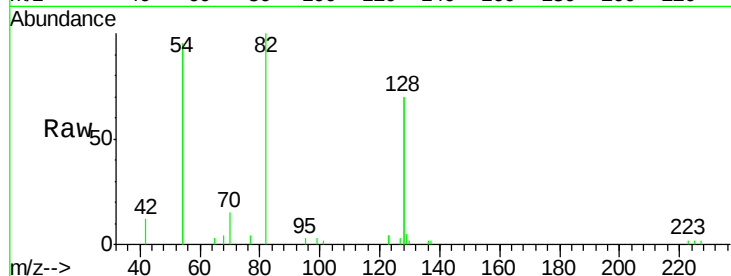
Tot Ion: 82 Resp: 5527

Ion Ratio Lower Upper

82 100

128 139.8 150.0 225.0#

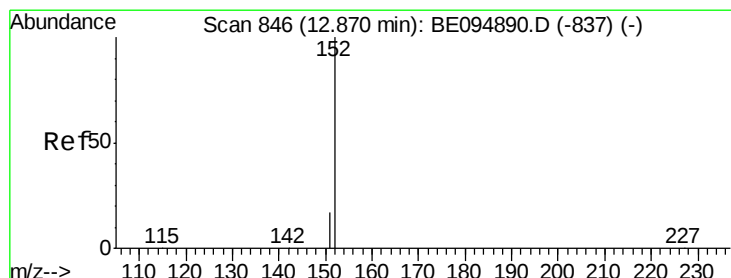
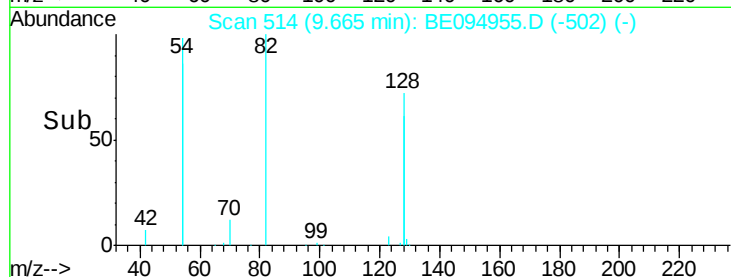
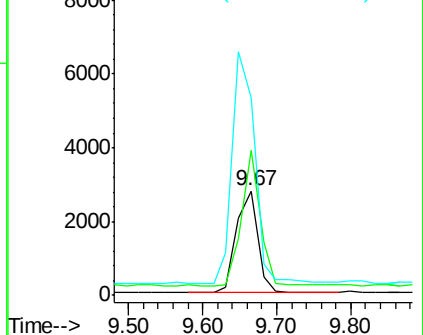
54 189.7 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094890.D (-504) (-)

Ion 128.00 (127.70 to 128.70): BE094890.D (-504) (-)

Ion 54.00 (53.70 to 54.70): BE094890.D (-504) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.384 ng

RT: 12.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE094955.D

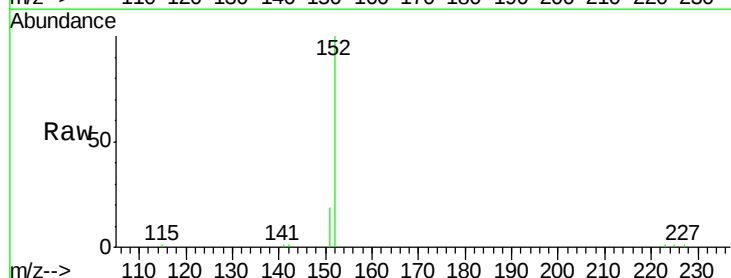
Acq: 8 Dec 2017 18:59

Tgt Ion: 152 Resp: 9709

Ion Ratio Lower Upper

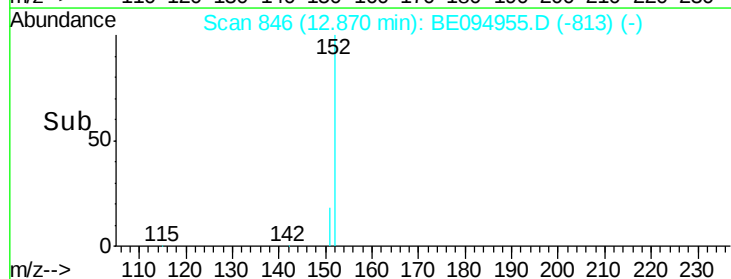
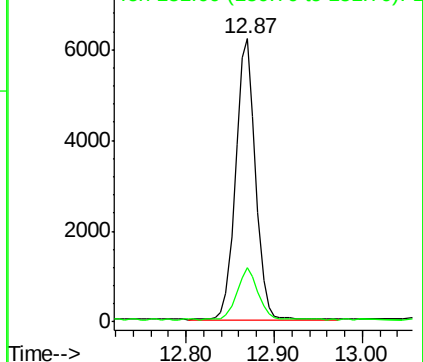
152 100

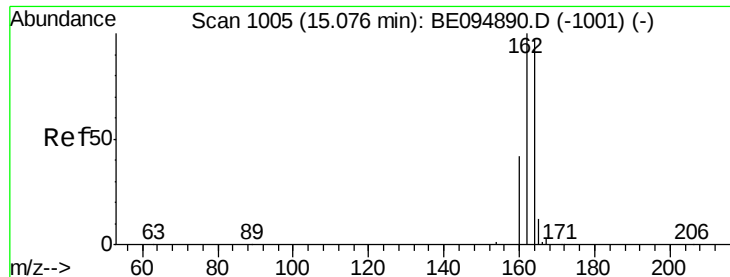
151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094890.D (-837) (-)

Ion 151.00 (150.70 to 151.70): BE094890.D (-837) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.07 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

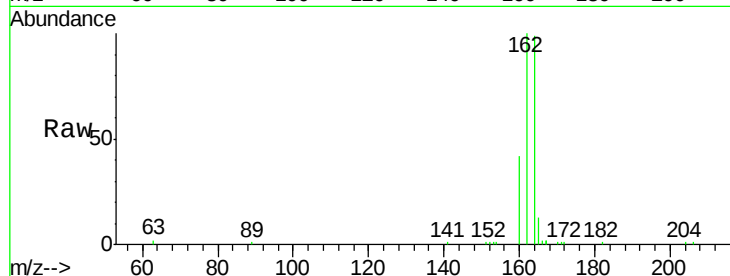
Tot Ion:164 Resp: 9245

Ion Ratio Lower Upper

164 100

162 101.0 83.1 124.7

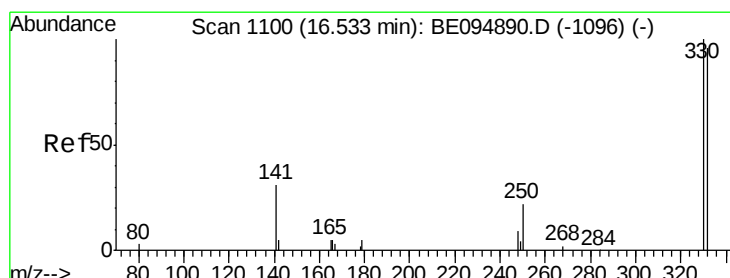
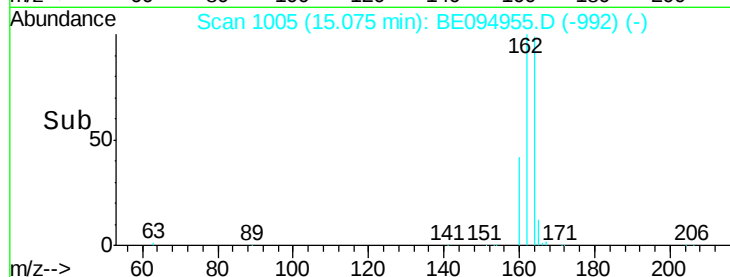
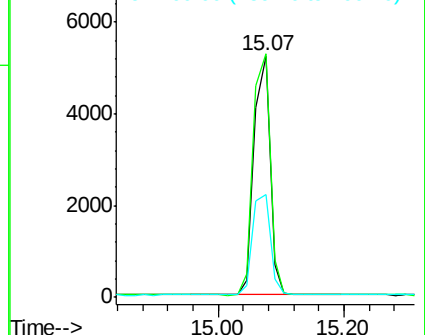
160 42.8 37.1 55.7



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: 0.531 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

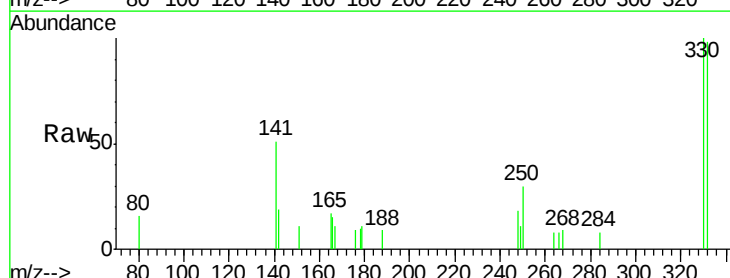
Tgt Ion:330 Resp: 1071

Ion Ratio Lower Upper

330 100

332 95.3 152.7 229.1#

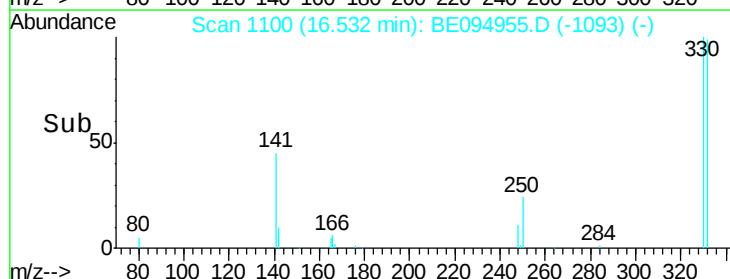
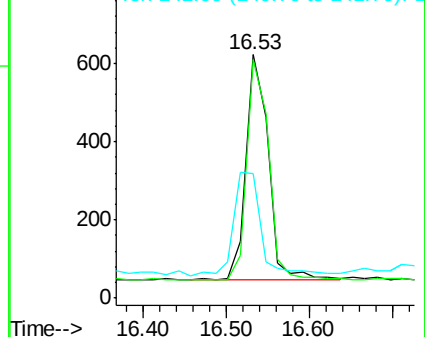
141 57.0 33.7 50.5#

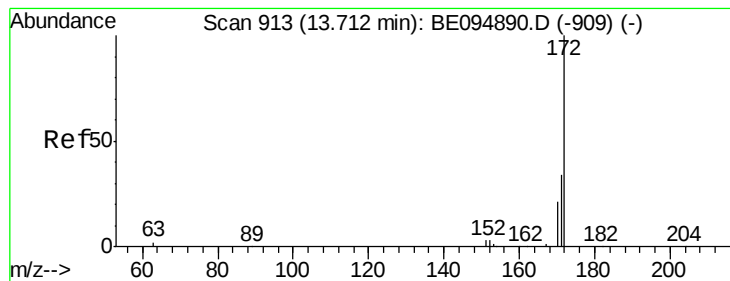


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.542 ng

RT: 13.71 min Scan# 913

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

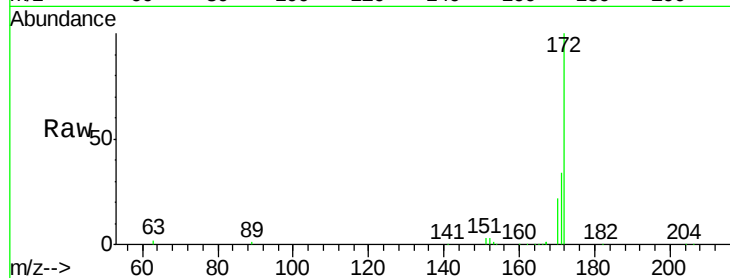
Tot Ion:172 Resp: 21463

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

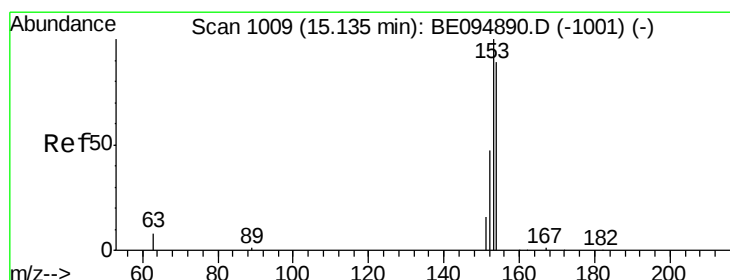
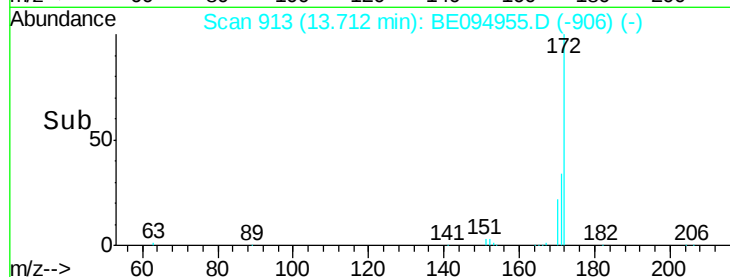
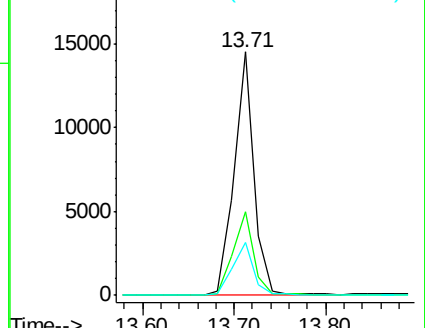
170 21.8 21.8 32.8#



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



#17

Acenaphthene

Concen: 0.029 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

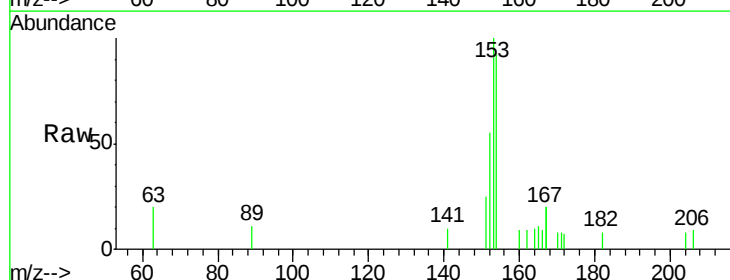
Tgt Ion:154 Resp: 970

Ion Ratio Lower Upper

154 100

153 106.7 89.2 133.8

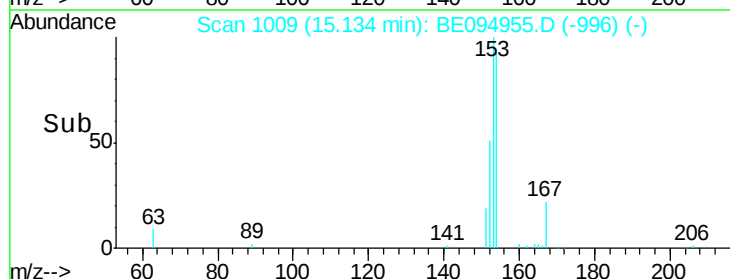
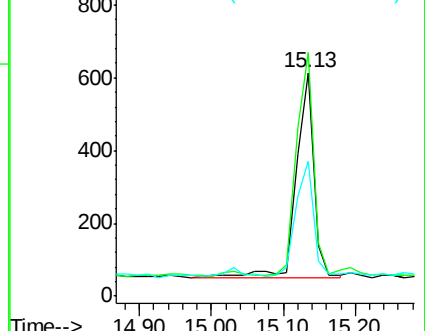
152 56.9 42.0 63.0

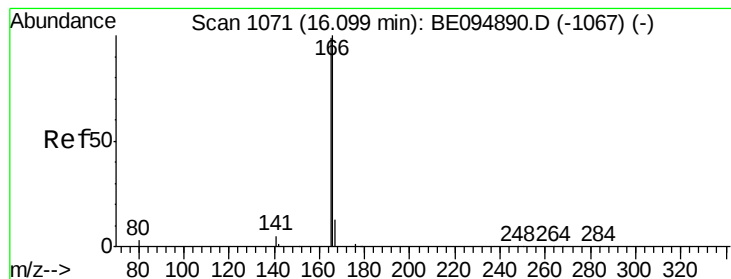


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.028 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

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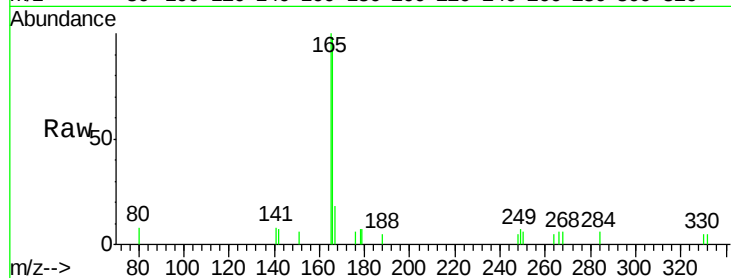
Tot Ion:166 Resp: 1201

Ion Ratio Lower Upper

166 100

165 102.7 77.8 116.6

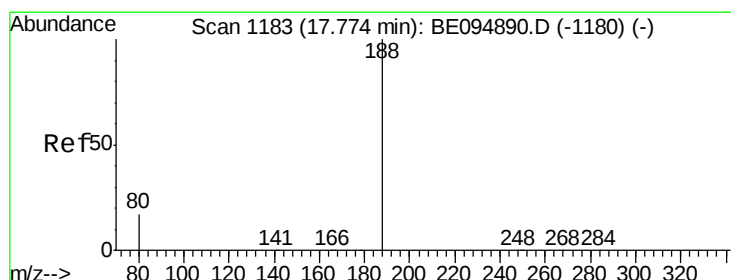
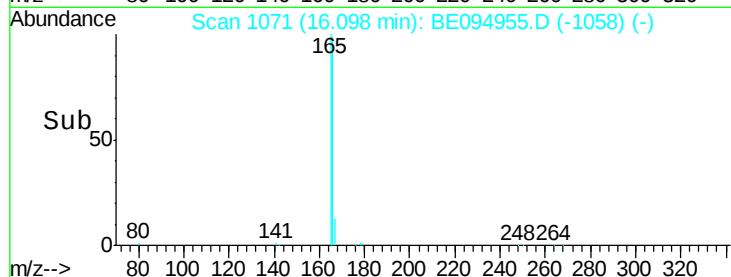
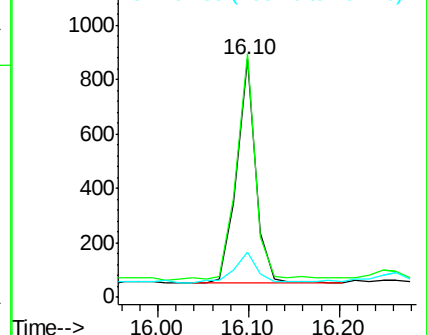
167 16.2 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

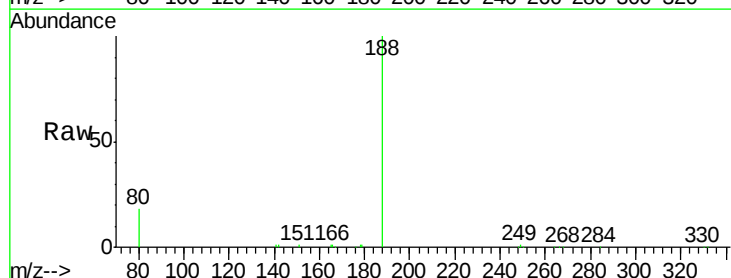
Tgt Ion:188 Resp: 22491

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

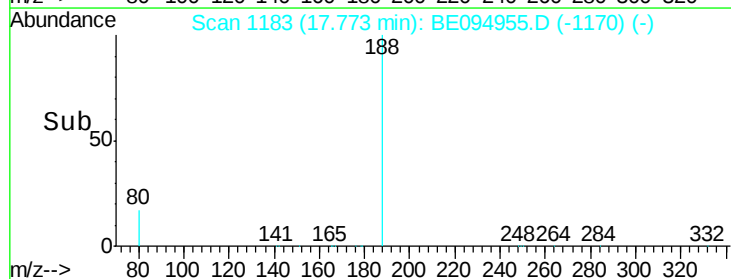
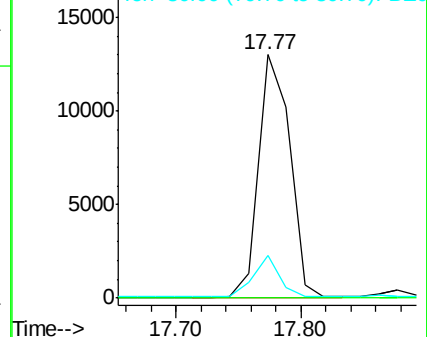
80 17.6 3.6 5.4#

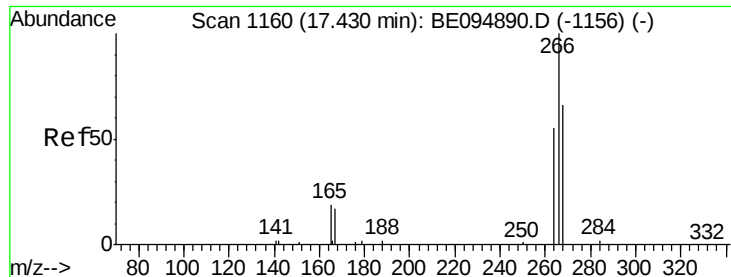


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.148 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-4621-20171202

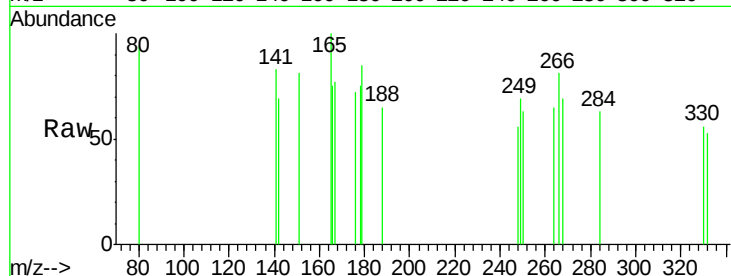
Tot Ion:266 Resp: 61

Ion Ratio Lower Upper

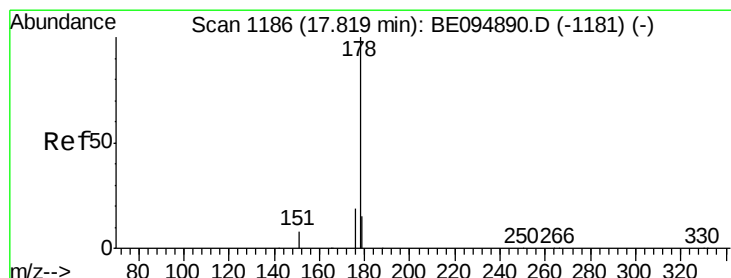
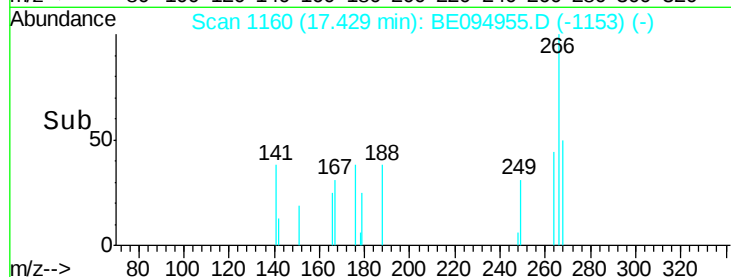
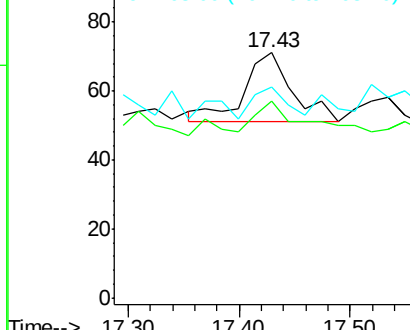
266 100

264 80.3 72.5 108.7

268 85.9 73.8 110.6



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



#23

Phenanthrene

Concen: 0.057 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

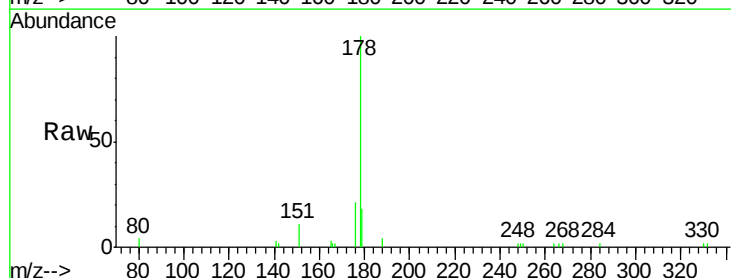
Tgt Ion:178 Resp: 4052

Ion Ratio Lower Upper

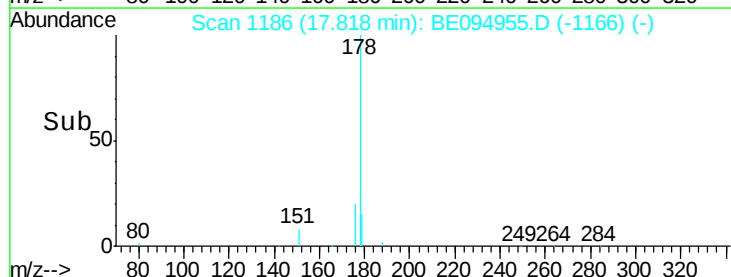
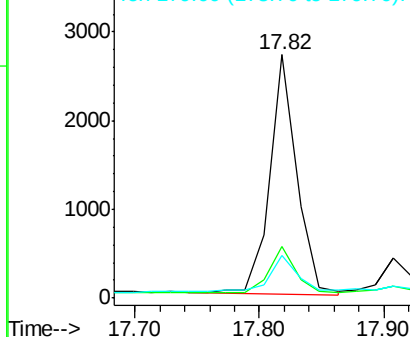
178 100

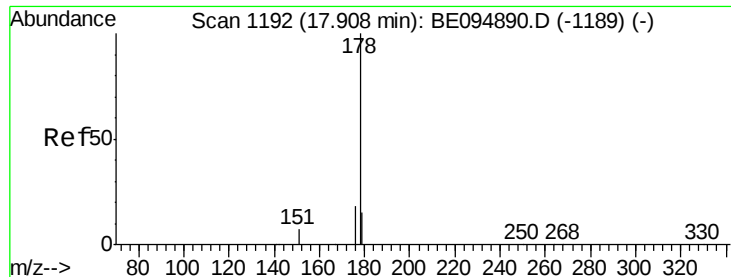
176 18.4 15.1 22.7

179 17.6 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.053 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.09 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

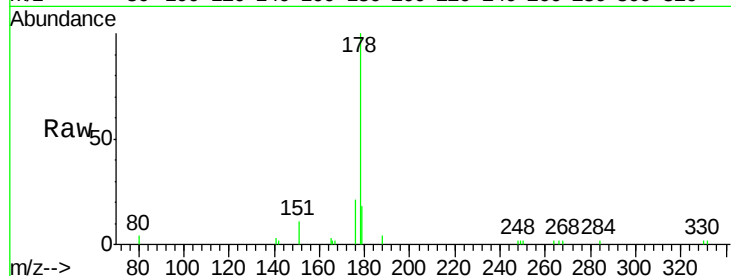
Tot Ion:178 Resp: 4052

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

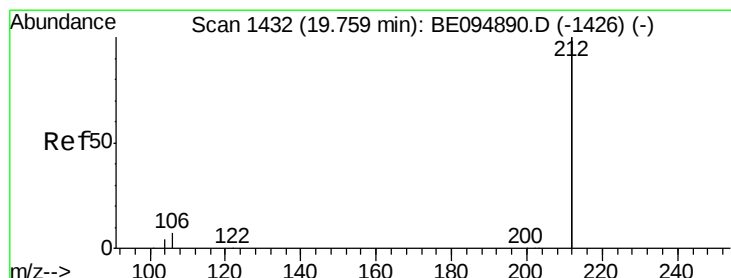
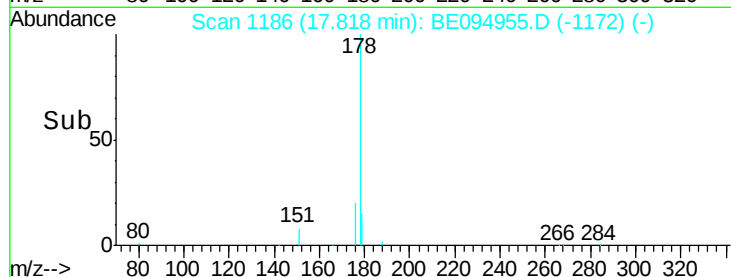
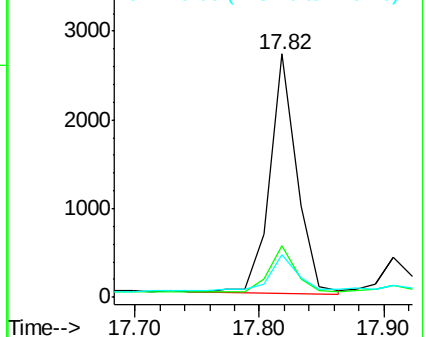
179 17.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

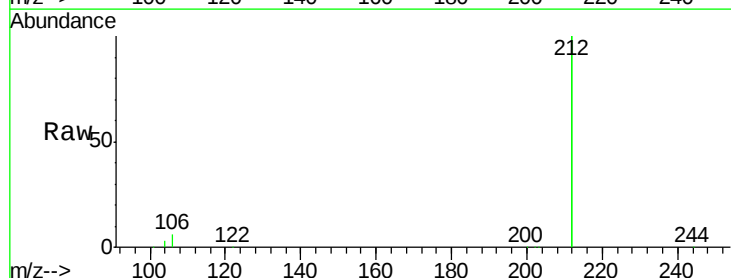
Tgt Ion:212 Resp: 113309

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

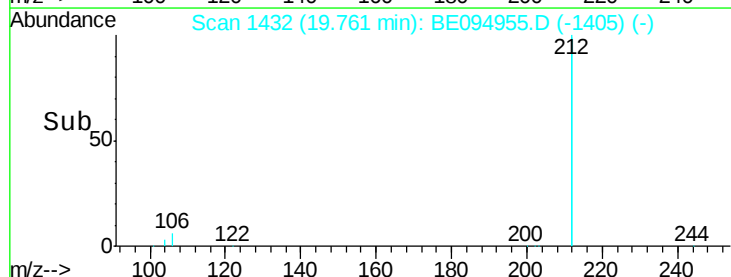
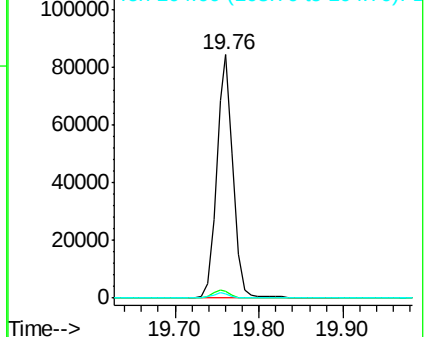
104 2.0 1.6 2.4

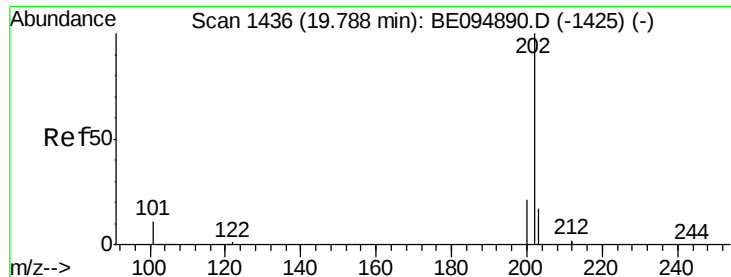


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

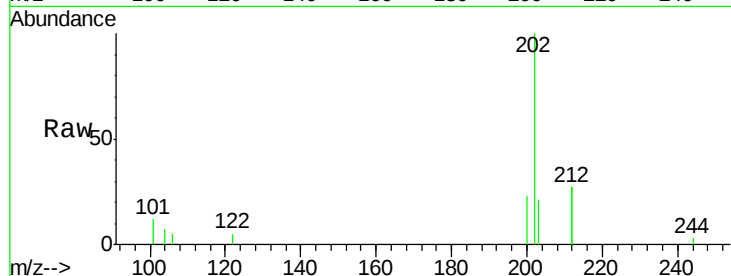




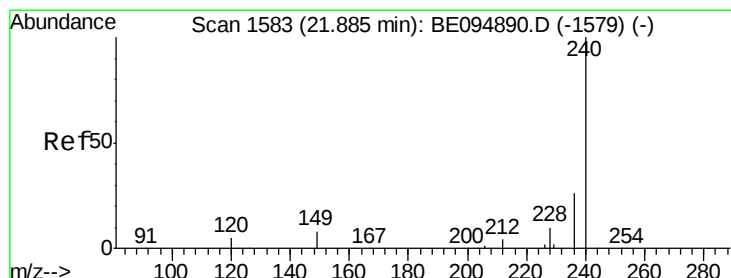
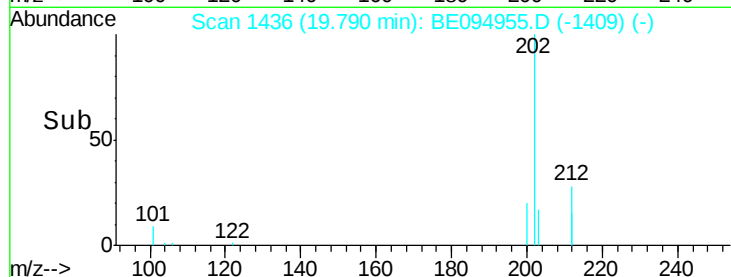
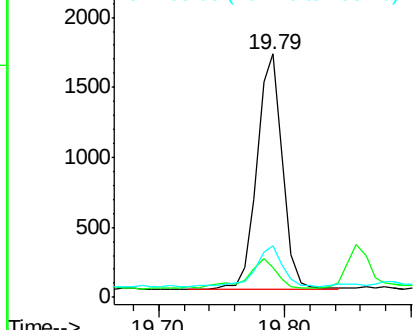
#26
 Fluoranthene
 Concen: 0.026 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094955.D
 Acq: 8 Dec 2017 18:59

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-462I-20171202

Tot Ion:202 Resp: 2383
 Ion Ratio Lower Upper
 202 100
 101 14.3 9.8 14.8
 203 19.4 13.7 20.5

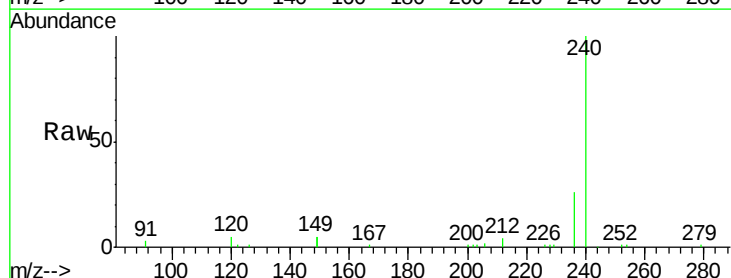


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

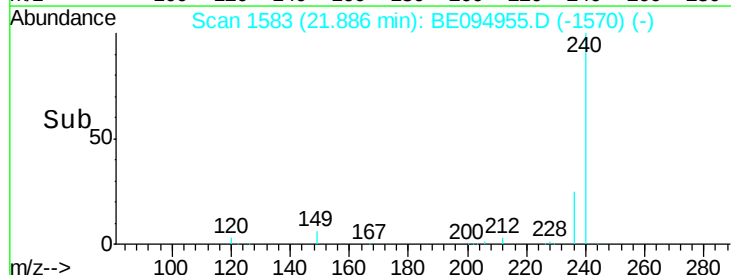
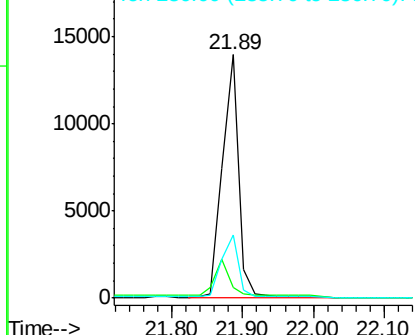


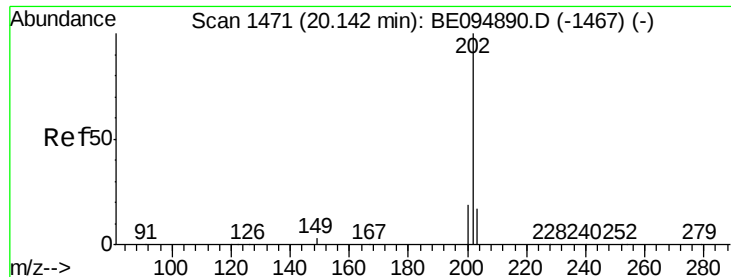
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094955.D
 Acq: 8 Dec 2017 18:59

Tgt Ion:240 Resp: 23565
 Ion Ratio Lower Upper
 240 100
 120 4.5 5.5 8.3#
 236 25.9 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





#28

Pvrene

Concen: 0.021 ng

RT: 20.14 min Scan# 1471

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

Instrument :

BNA_E

ClientSampleId :

FT-PZ-462I-20171202

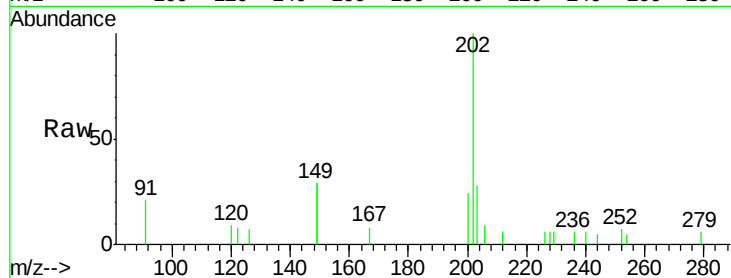
Tot Ion:202 Resp: 1743

Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

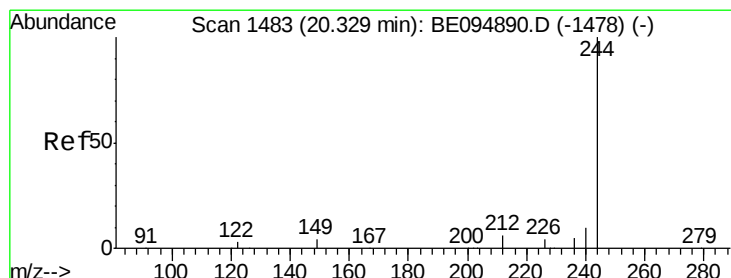
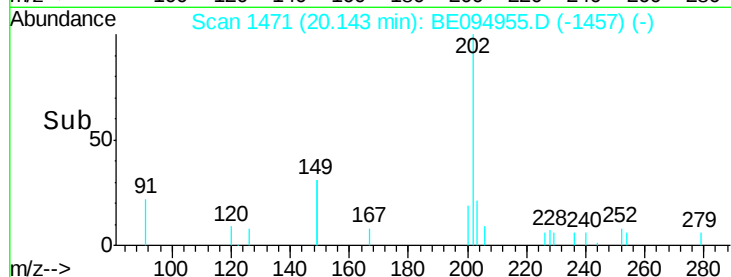
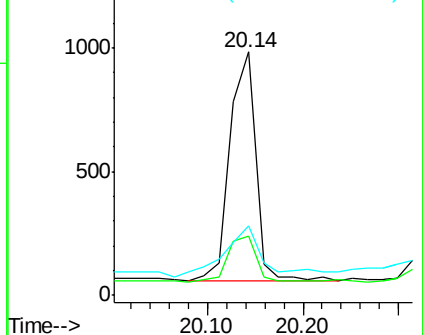
203 30.2 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.598 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094955.D

Acq: 8 Dec 2017 18:59

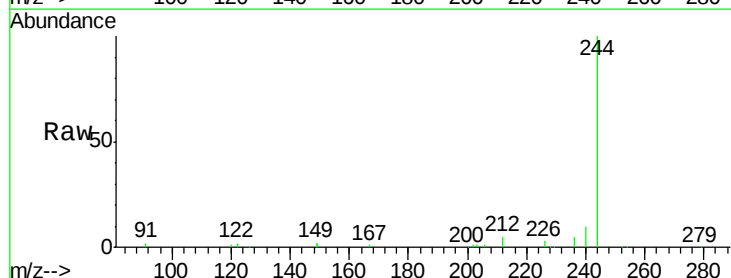
Tgt Ion:244 Resp: 26036

Ion Ratio Lower Upper

244 100

212 4.9 25.4 38.0#

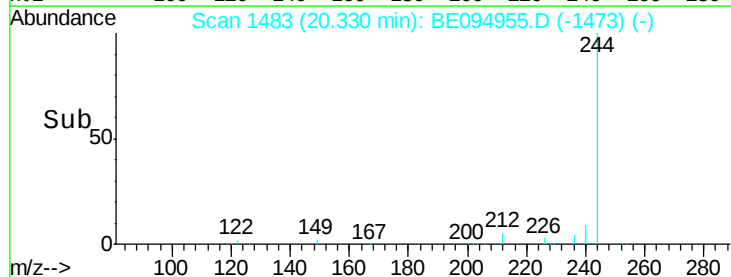
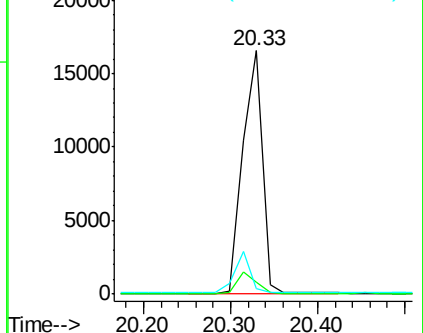
122 2.3 8.1 12.1#

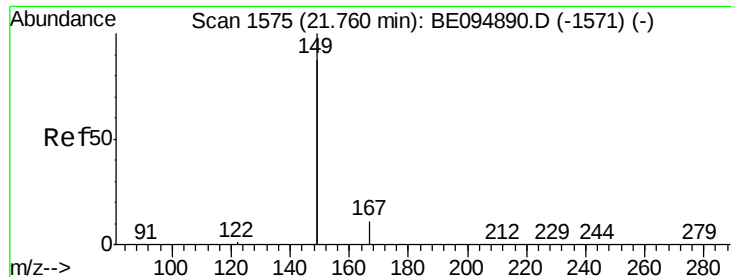


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

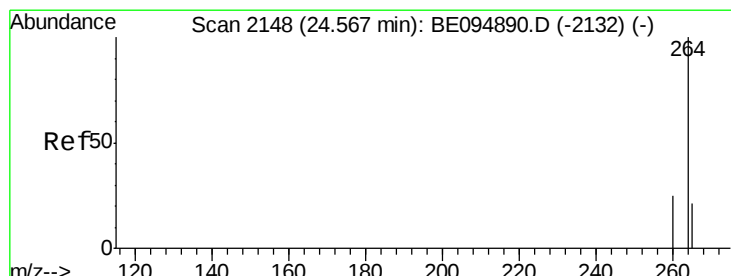
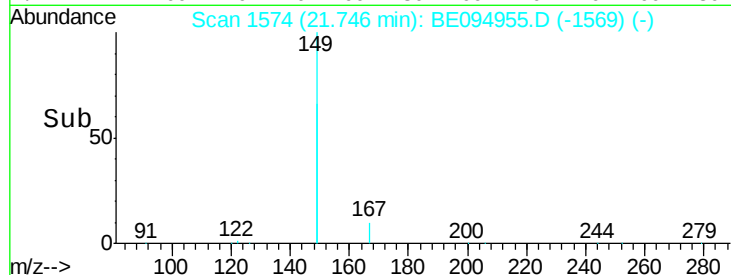
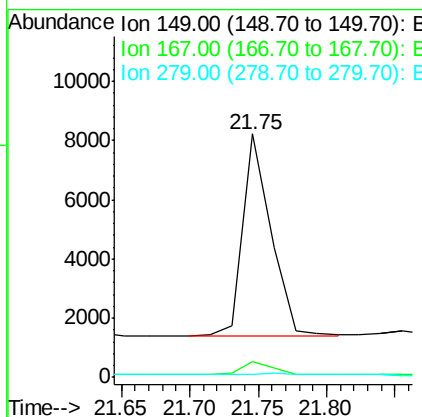
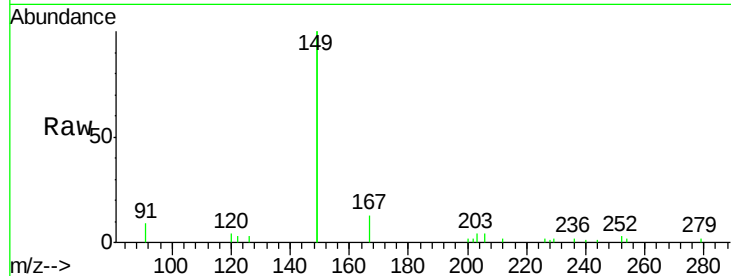




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.082 ng
 RT: 21.75 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BE094955.D
 Acq: 8 Dec 2017 18:59

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-4621-20171202

Tot Ion:149 Resp: 9793
 Ion Ratio Lower Upper
 149 100
 167 6.6 5.4 8.0
 279 1.3 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.56 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BE094955.D
 Acq: 8 Dec 2017 18:59

Tgt Ion:264 Resp: 19146
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.5 30.7
 265 30.4 22.8 34.2

