

Data File : BF095841.D
Acq On : 10 Jun 2017 1:48
Operator : SJ/MA
Sample : I3503-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIER-53-B-COMP

Quant Time: Jun 10 03:40:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	69530	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	278992	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	117954	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	178429	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	138779	20.00	ng	-0.02
86) Perylene-d12	20.00	264	117111	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	530907	121.67	ng	-0.02
7) Phenol-d6	6.93	99	656035	125.59	ng	-0.02
23) Nitrobenzene-d5	8.29	82	381676	84.96	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	114856	110.06	ng	-0.03
44) 2-Fluorobiphenyl	11.18	172	634231	74.82	ng	-0.04
78) Terphenyl-d14	16.99	244	377098	67.44	ng	-0.02

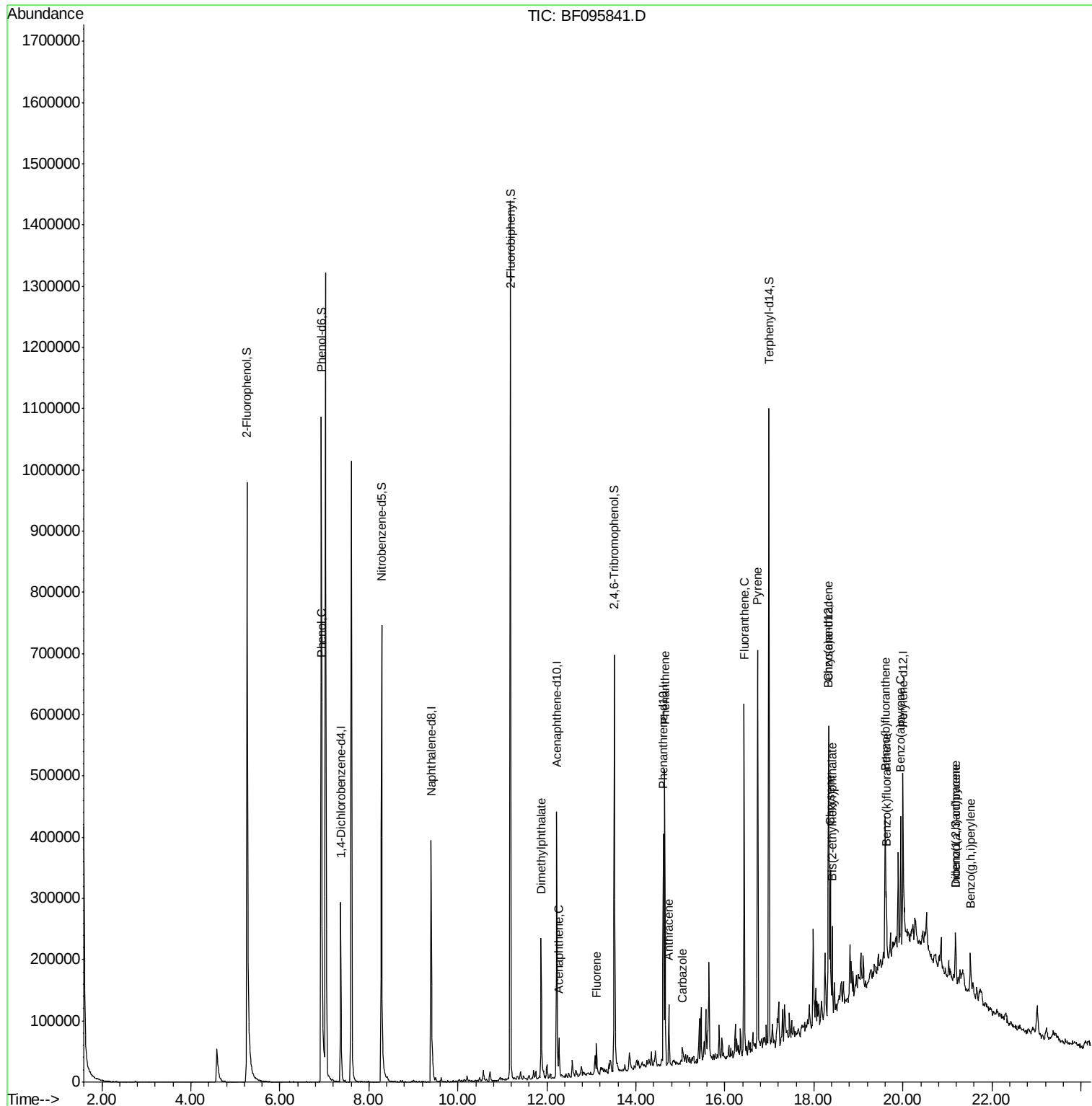
Target Compounds				Qvalue		
10) Phenol	6.95	94	12667	2.34	ng	# 46
49) Dimethylphthalate	11.87	163	142777	15.94	ng	99
51) Acenaphthene	12.27	154	15567	2.08	ng	96
57) Fluorene	13.12	166	20717	2.25	ng	99
70) Phenanthrene	14.65	178	264247	25.67	ng	98
71) Anthracene	14.74	178	58652	5.46	ng	97
72) Carbazole	15.04	167	21718	2.07	ng	97
74) Fluoranthene	16.43	202	291265	28.58	ng	98
77) Pyrene	16.73	202	265859	25.67	ng	# 95
80) Benzo(a)anthracene	18.32	228	108320	13.42	ng	98
82) Chrysene	18.37	228	111744m	13.86	ng	
83) Bis(2-ethylhexyl)phthalate	18.41	149	43464	6.81	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.19	276	49466	7.17	ng	94
87) Benzo(b)fluoranthene	19.60	252	129260m	17.63	ng	
88) Benzo(k)fluoranthene	19.63	252	36195m	5.16	ng	
89) Benzo(a)pyrene	19.95	252	91764	13.61	ng	# 95
90) Dibenzo(a,h)anthracene	21.18	278	13276	2.32	ng	# 78
91) Benzo(g,h,i)perylene	21.52	276	47490	8.15	ng	93

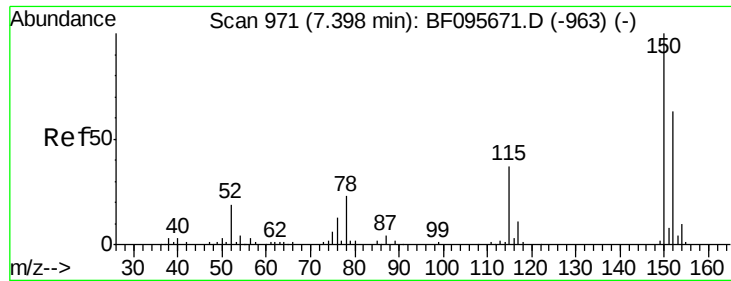
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.37 min Scan# 983

Delta R.T. -0.03 min

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Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

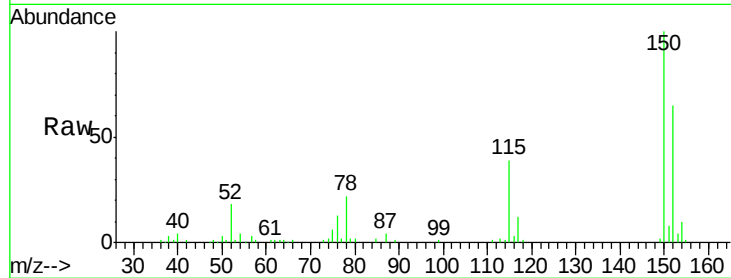
Tgt Ion:152 Resp: 69530

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

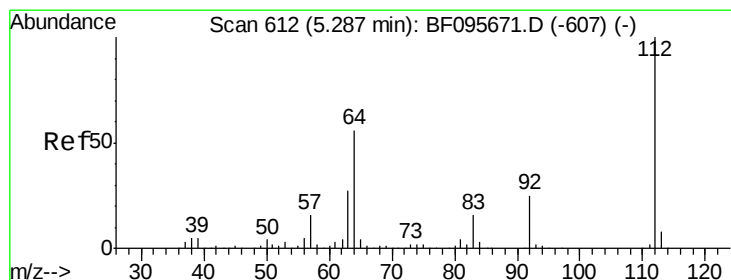
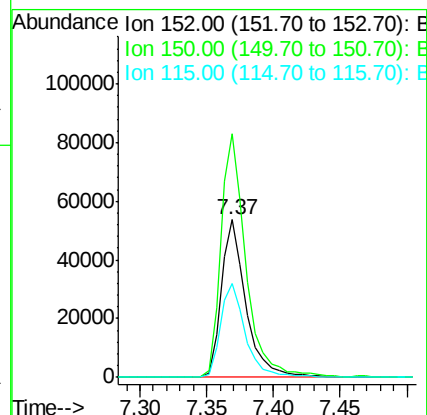
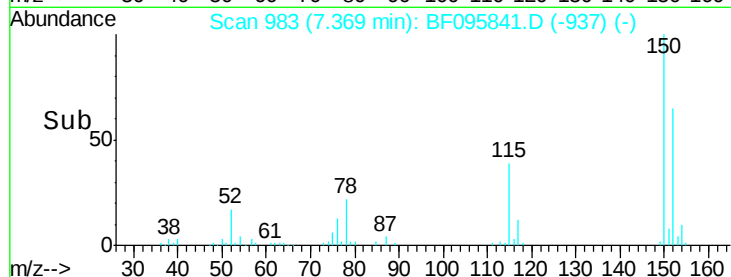
115 59.9 52.2 78.2



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



#5

2-Fluorophenol

Concen: 121.67 ng

RT: 5.26 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

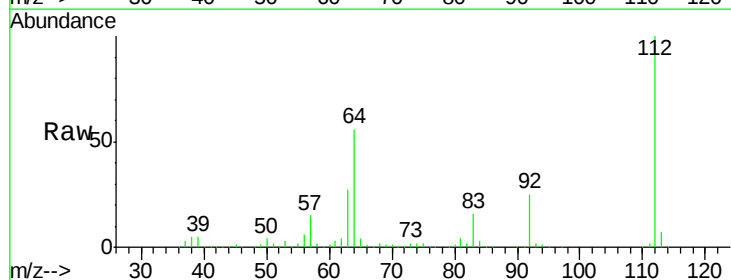
Tgt Ion:112 Resp: 530907

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

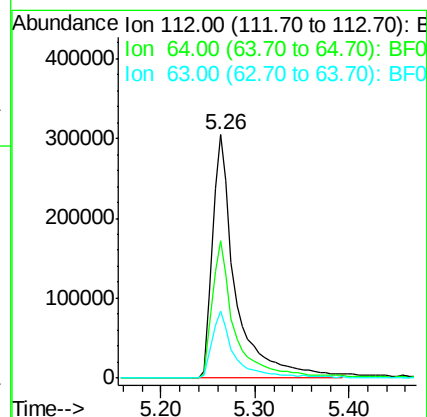
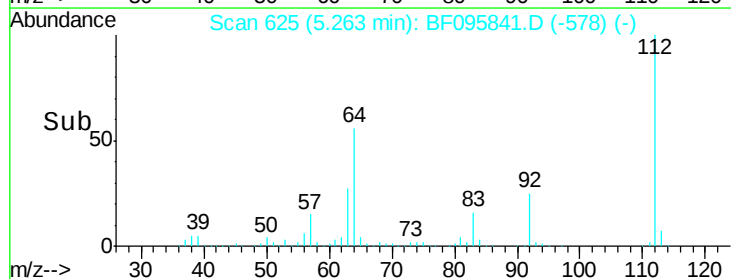
63 27.3 23.4 35.0

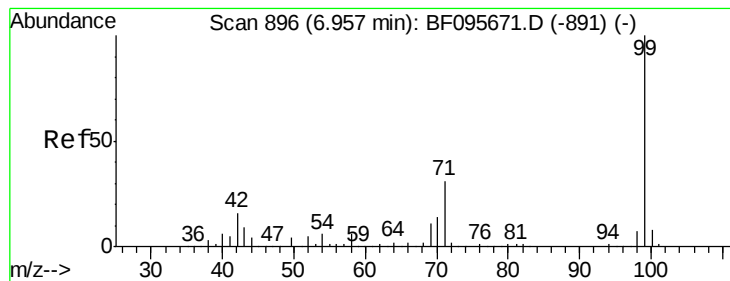


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.59 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

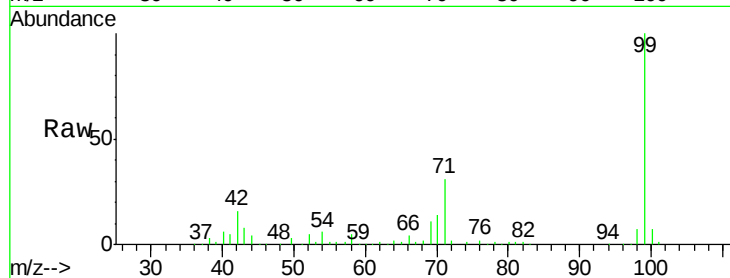
Tgt Ion: 99 Resp: 656035

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

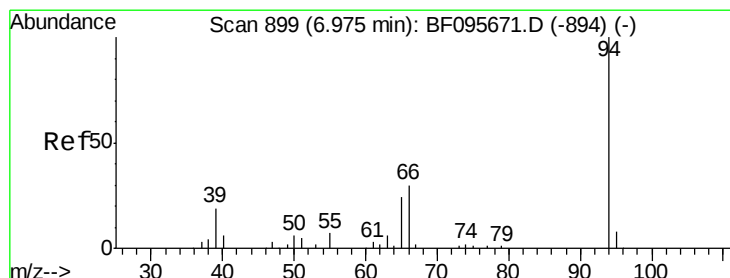
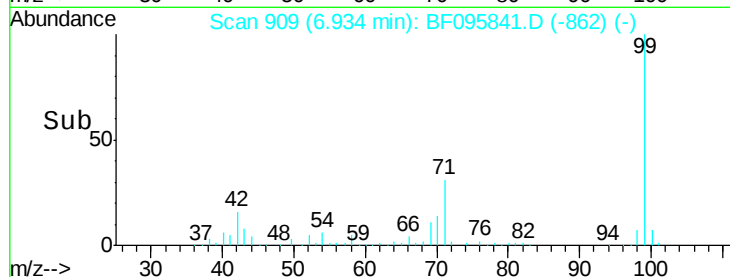
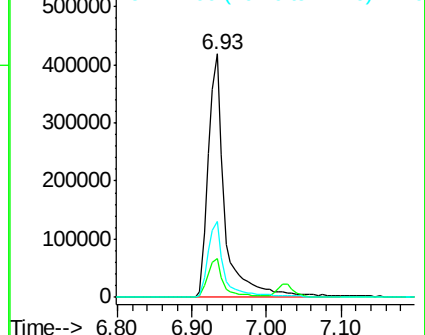
71 31.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.34 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

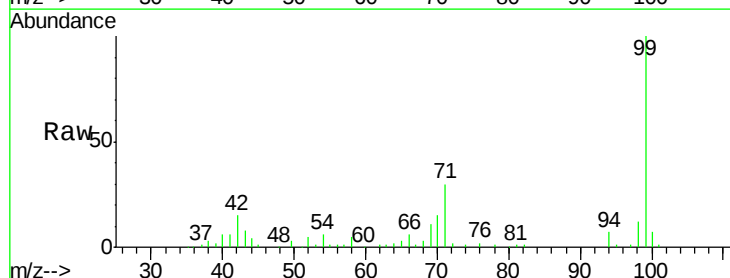
Tgt Ion: 94 Resp: 12667

Ion Ratio Lower Upper

94 100

65 43.8 9.9 49.9

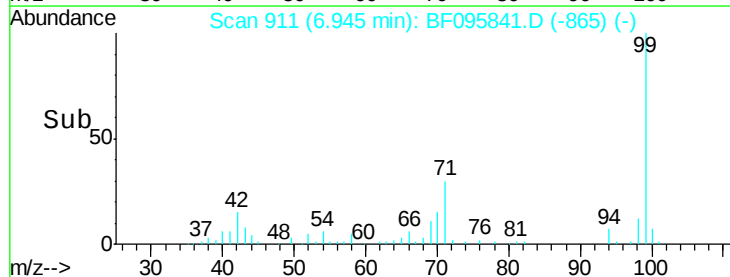
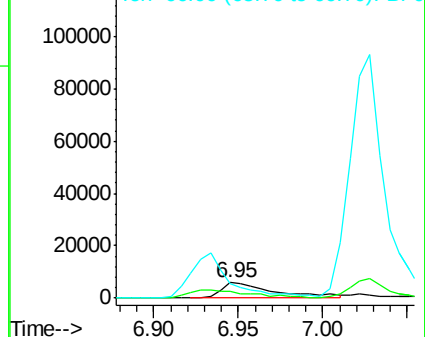
66 90.3 23.1 63.1#

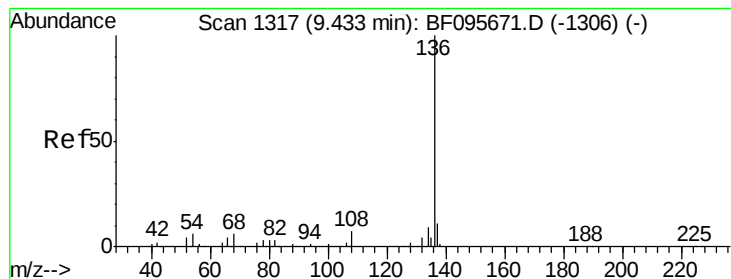


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

Tgt Ion: 136 Resp: 278992

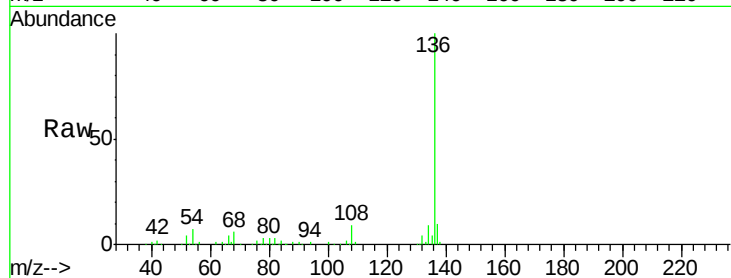
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

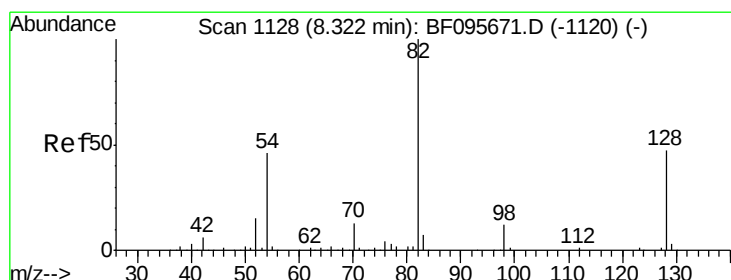
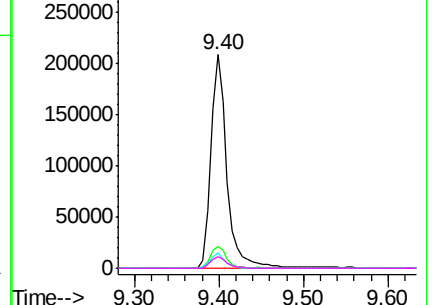
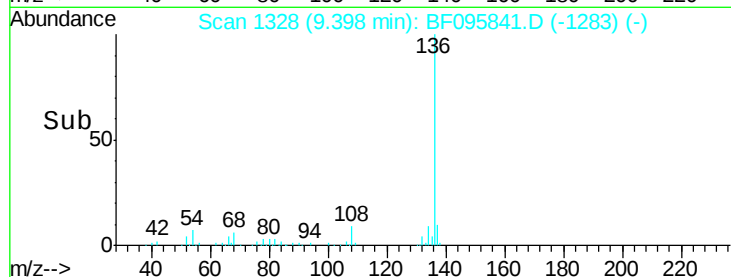


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.96 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

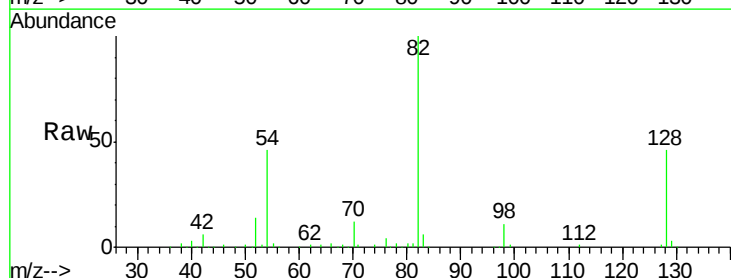
Tgt Ion: 82 Resp: 381676

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

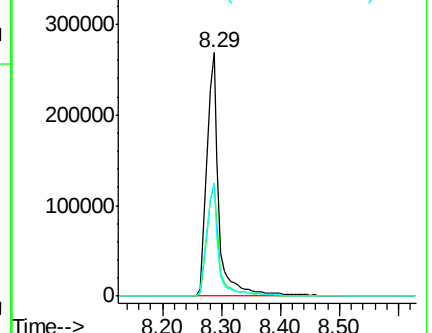
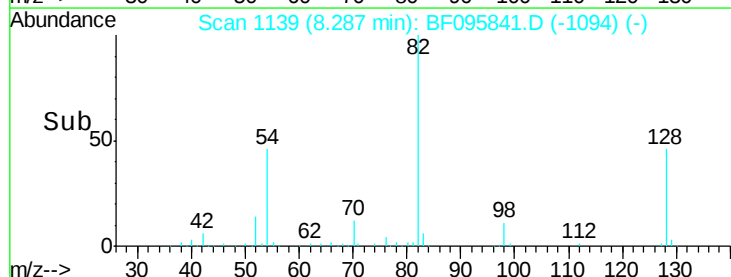
54 46.4 42.2 63.2

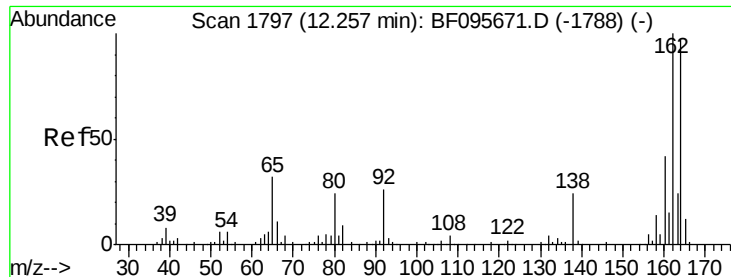


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

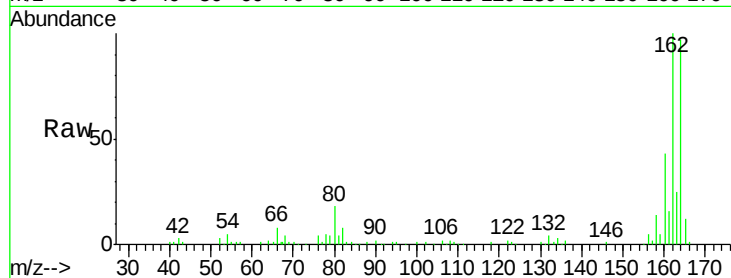
Tgt Ion:164 Resp: 117954

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

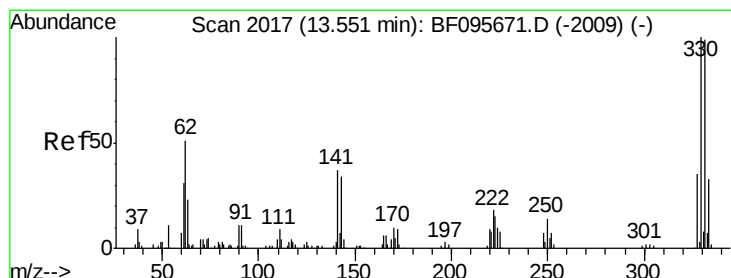
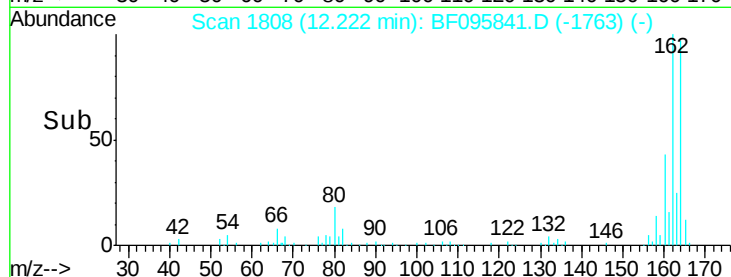
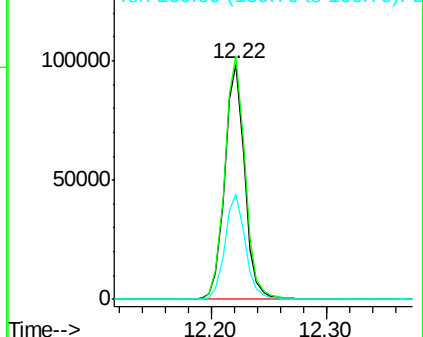
160 44.8 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 110.06 ng

RT: 13.52 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

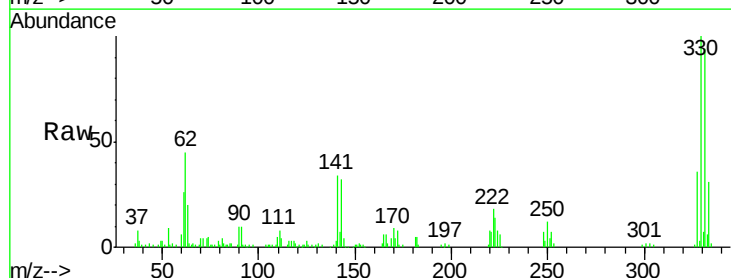
Tgt Ion:330 Resp: 114856

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

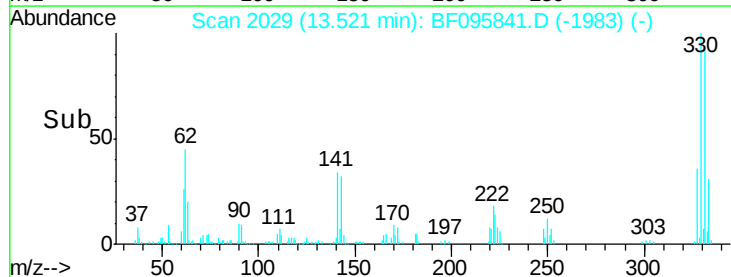
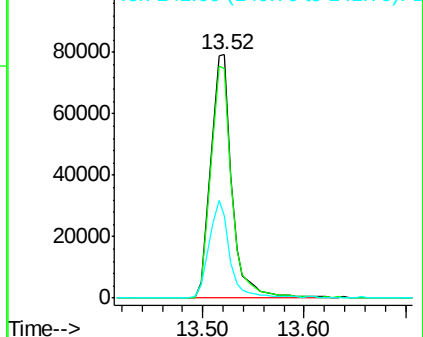
141 38.8 31.4 47.2

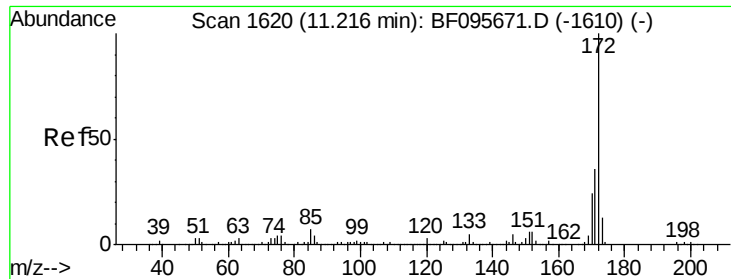


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

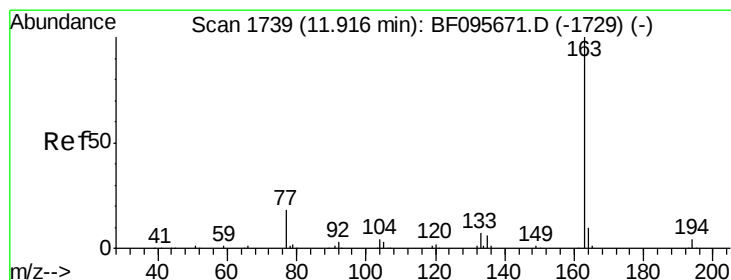
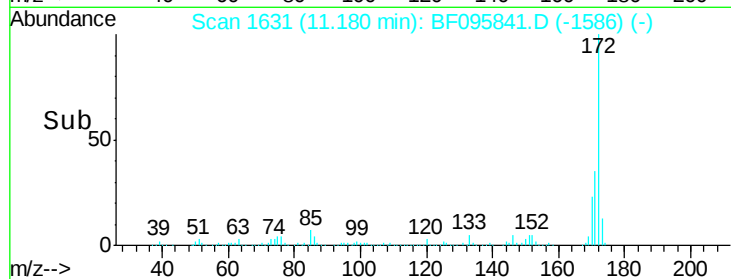
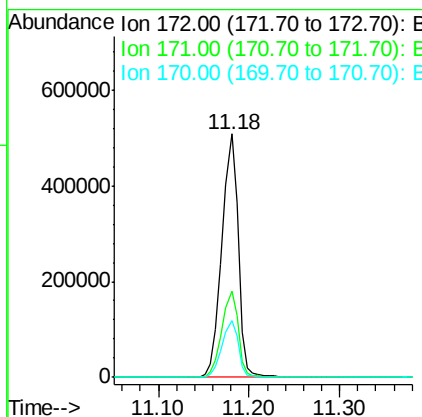
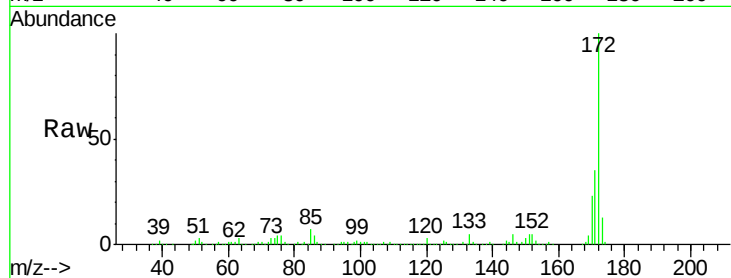




#44
2-Fluorobiphenyl
Concen: 74.82 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

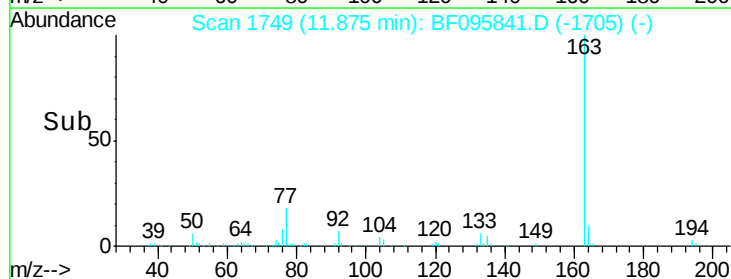
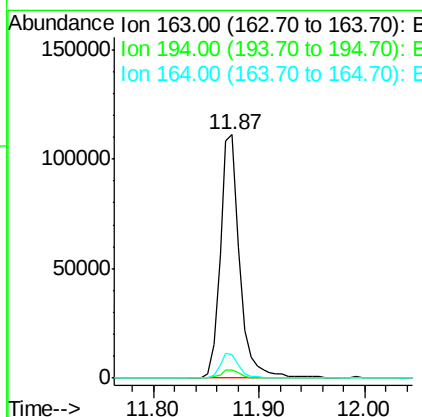
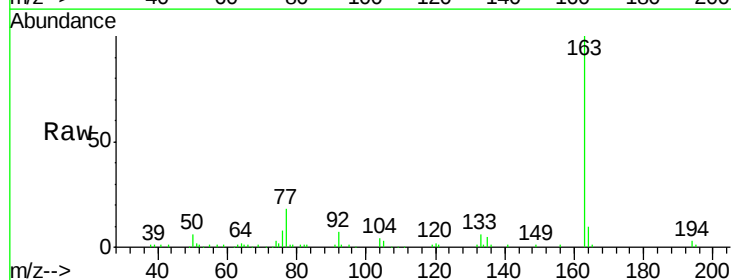
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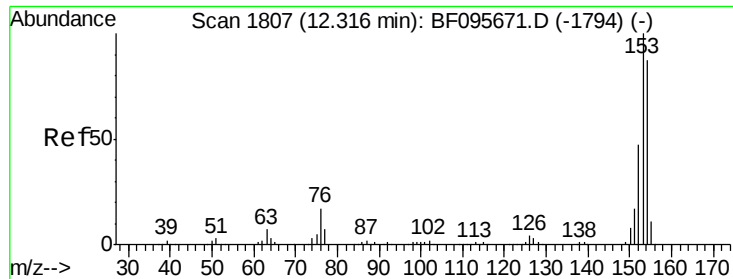
Tgt Ion:172 Resp: 634231
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 15.94 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Tgt Ion:163 Resp: 142777
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6





#51

Acenaphthene

Concen: 2.08 ng

RT: 12.27 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

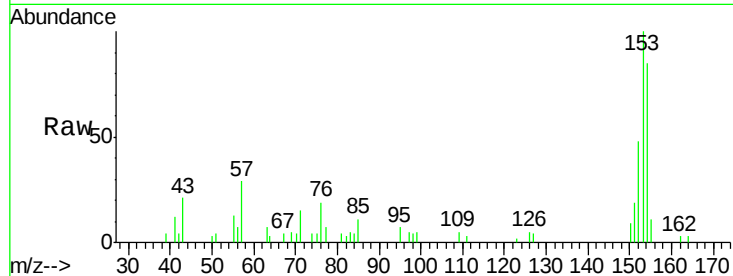
Tgt Ion:154 Resp: 15567

Ion Ratio Lower Upper

154 100

153 117.5 90.5 135.7

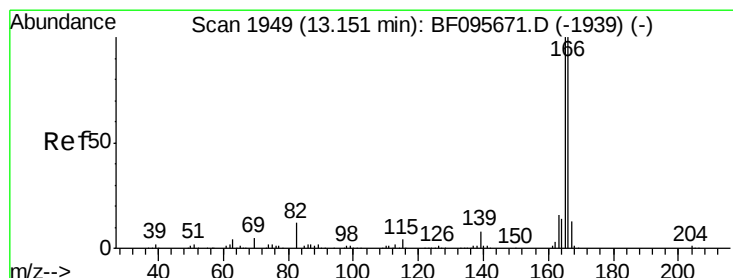
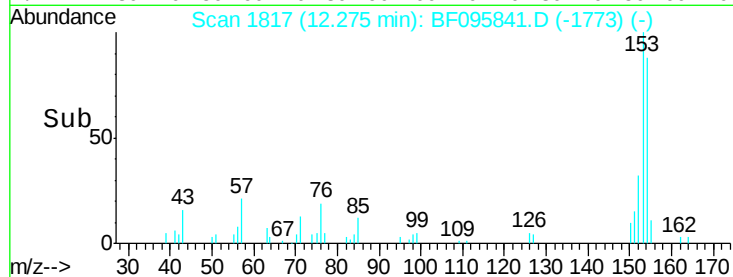
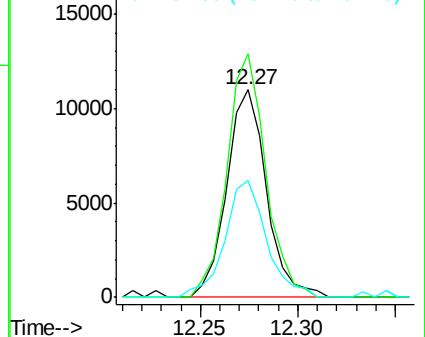
152 56.5 43.6 65.4



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



#57

Fluorene

Concen: 2.25 ng

RT: 13.12 min Scan# 1960

Delta R.T. -0.04 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

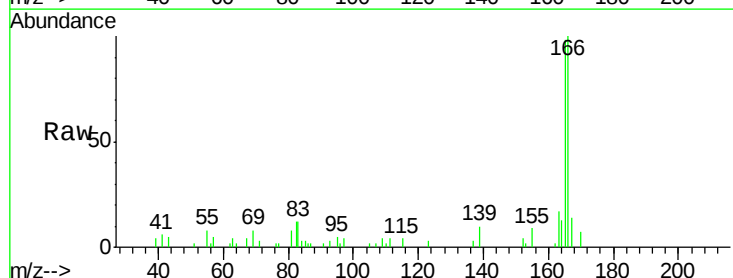
Tgt Ion:166 Resp: 20717

Ion Ratio Lower Upper

166 100

165 97.5 78.8 118.2

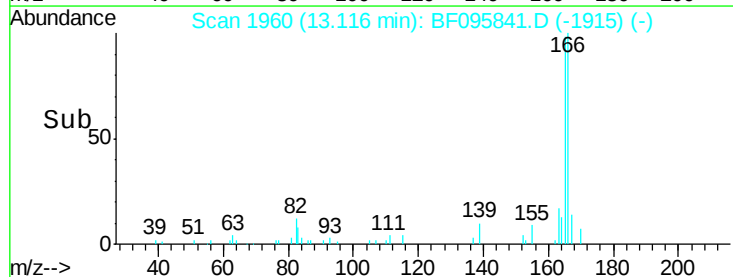
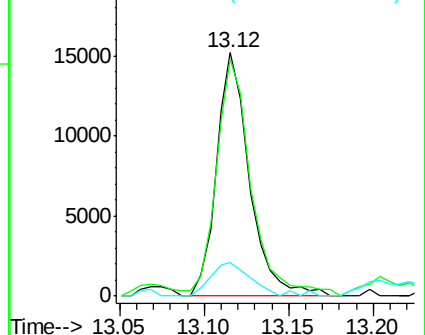
167 13.9 10.6 16.0

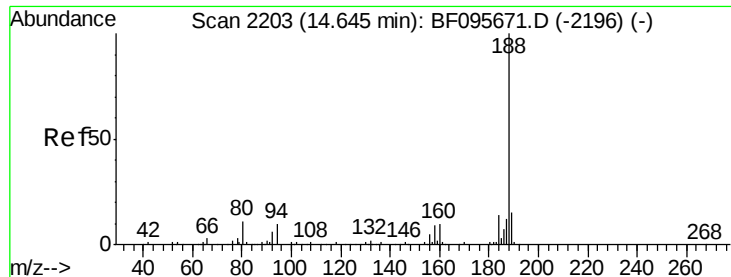


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

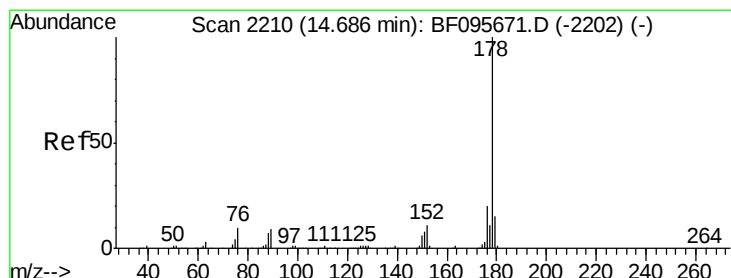
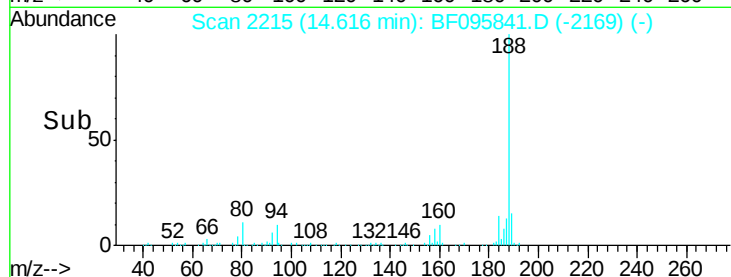
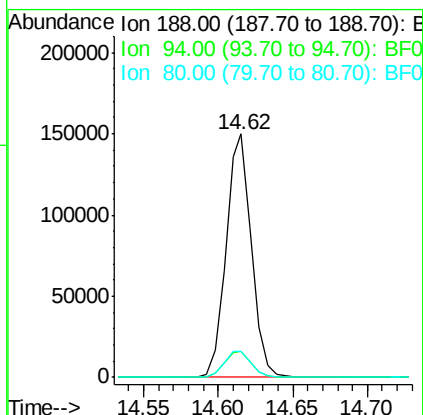
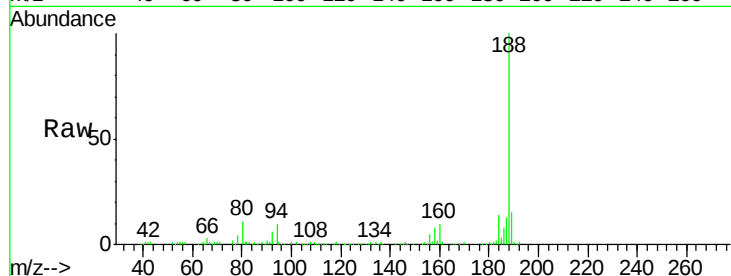




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

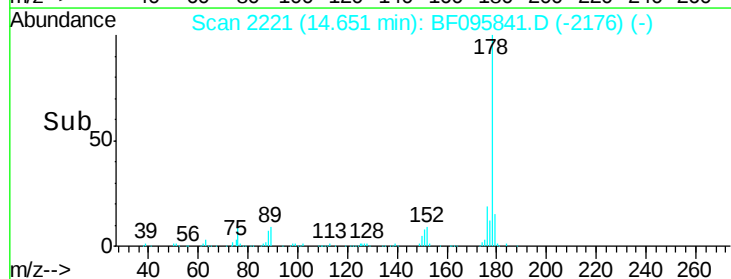
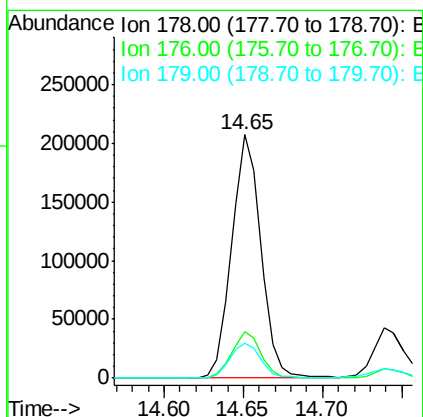
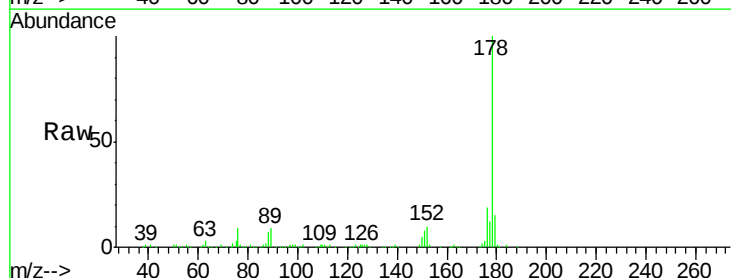
Instrument :
BNA_F
ClientSampleId :
PIER-53-B-COMP

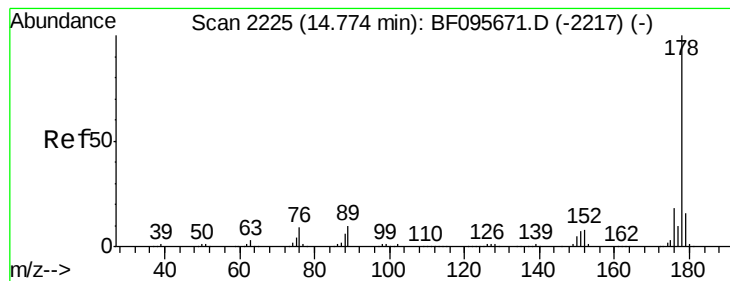
Tgt Ion:188 Resp: 178429
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 10.9 10.2 15.2



#70
Phenanthrene
Concen: 25.67 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Tgt Ion:178 Resp: 264247
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 14.5 12.6 19.0

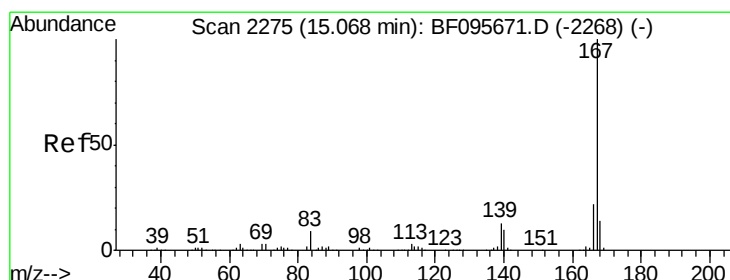
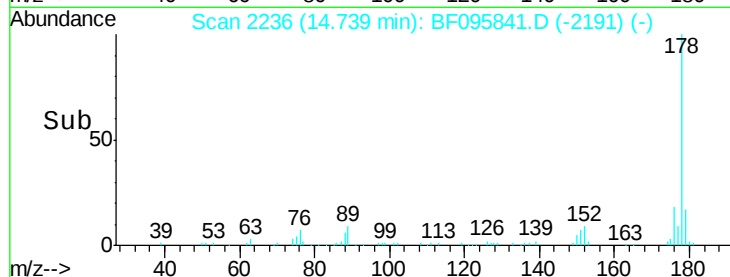
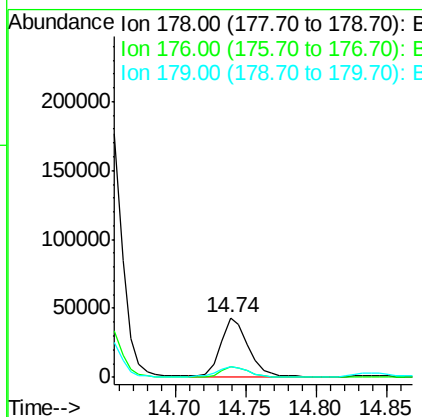
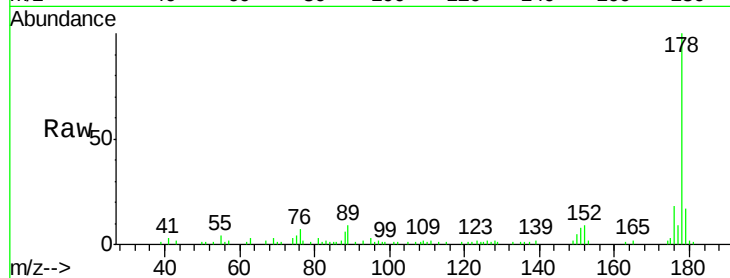




#71
 Anthracene
 Concen: 5.46 ng
 RT: 14.74 min Scan# 2236
 Delta R.T. -0.04 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

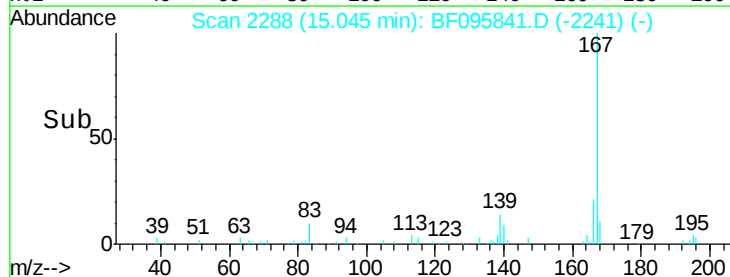
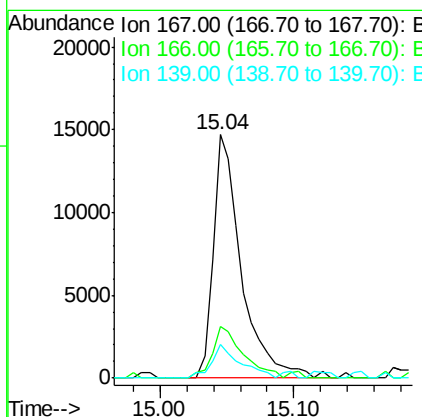
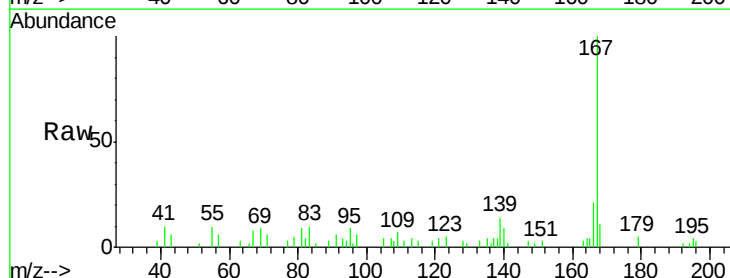
Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-B-COMP

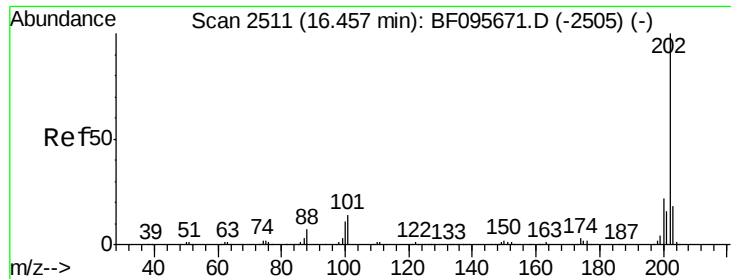
Tgt Ion:178 Resp: 58652
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 17.5 12.7 19.1



#72
 Carbazole
 Concen: 2.07 ng
 RT: 15.04 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

Tgt Ion:167 Resp: 21718
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.1 27.1
 139 13.8 11.7 17.5

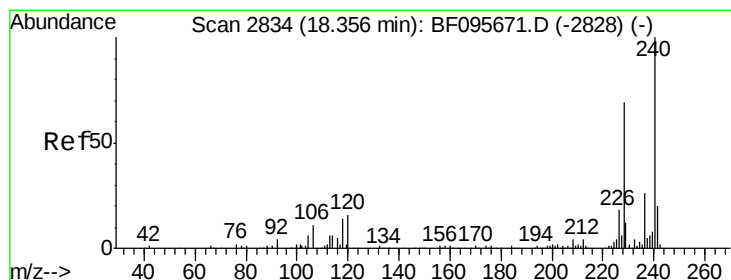
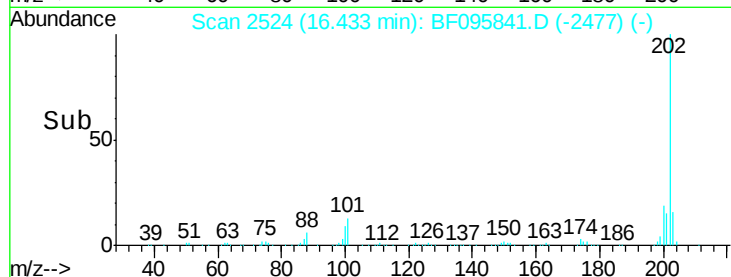
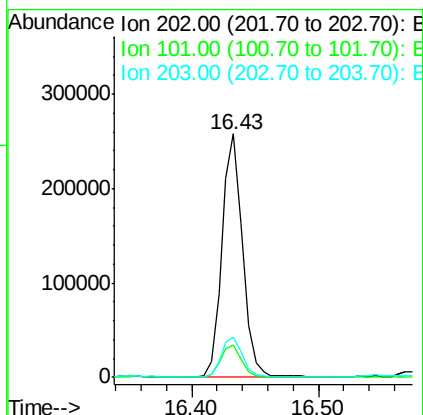
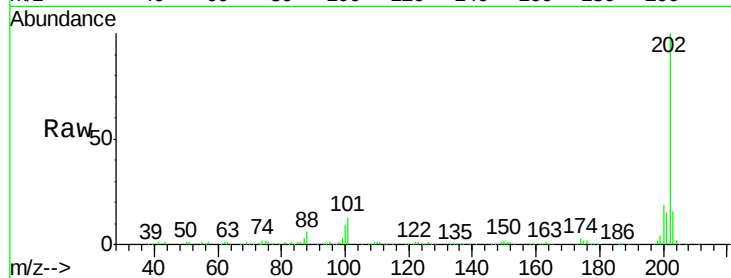




#74
 Fluoranthene
 Concen: 28.58 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

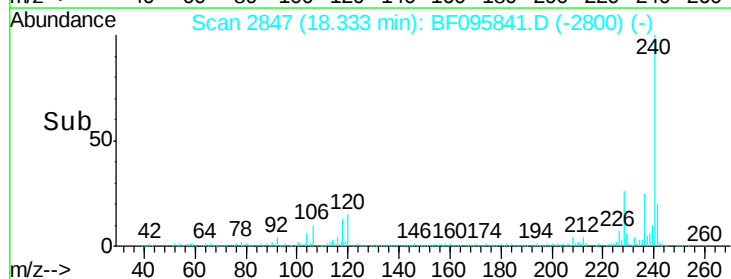
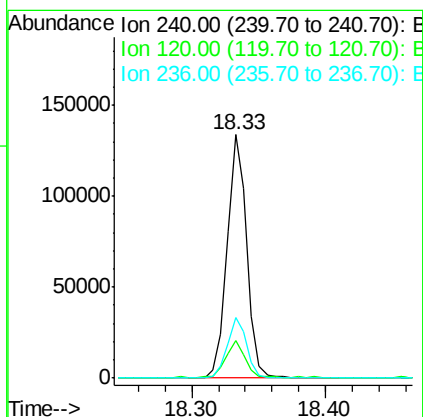
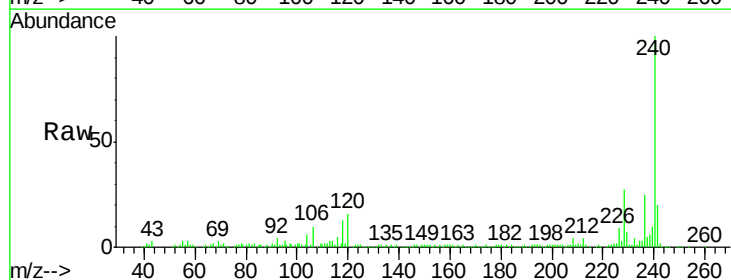
Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-B-COMP

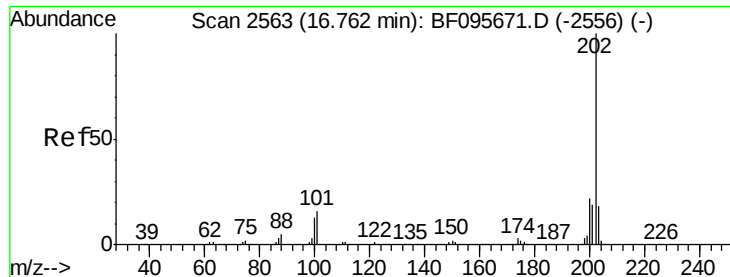
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.7	5.8	8.8#
236	25.0	20.5	30.7





#77

Pyrene

Concen: 25.67 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

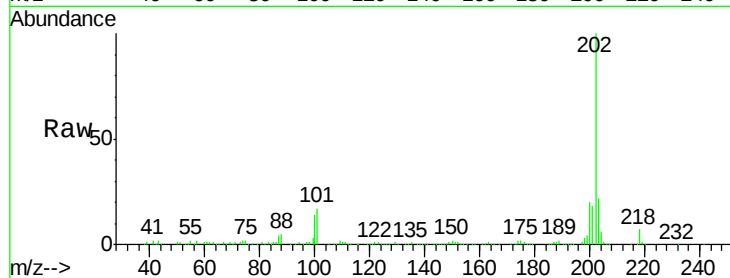
Tgt Ion: 202 Resp: 265859

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

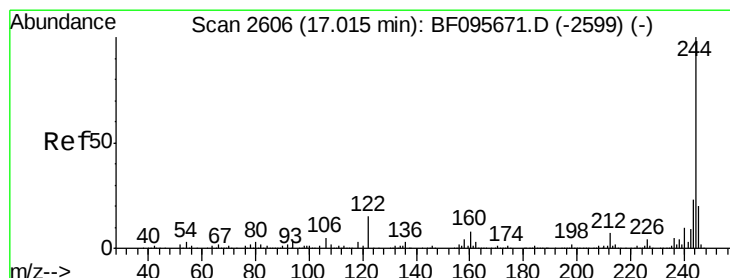
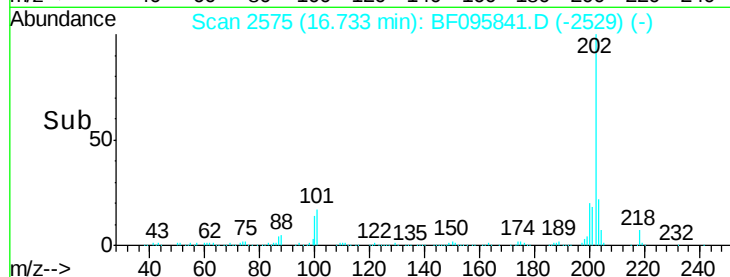
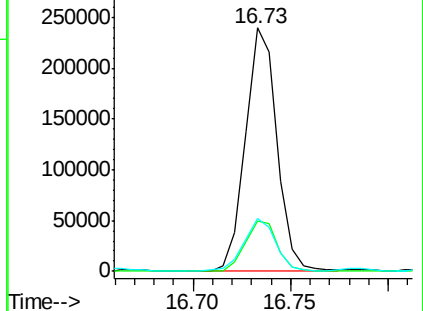
203 21.7 14.4 21.6#



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



#78

Terphenyl-d14

Concen: 67.44 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

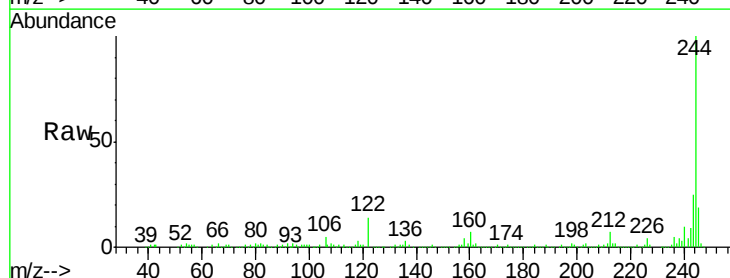
Tgt Ion: 244 Resp: 377098

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

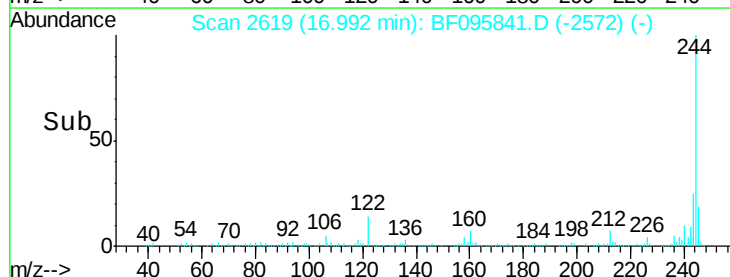
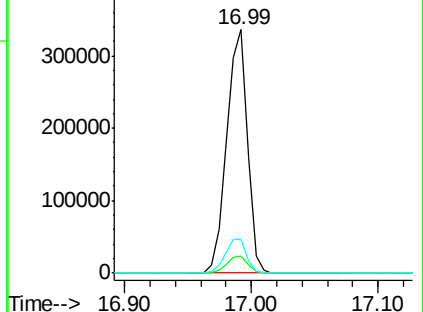
122 13.8 10.3 15.5

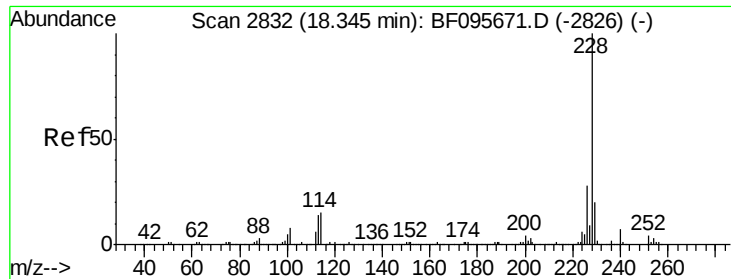


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.42 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

Instrument :

BNA_F

ClientSampleId :

PIER-53-B-COMP

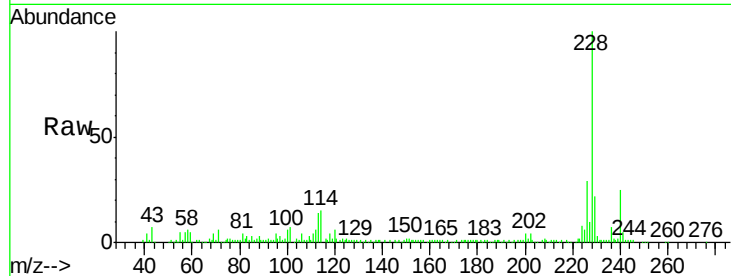
Tgt Ion:228 Resp: 108320

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

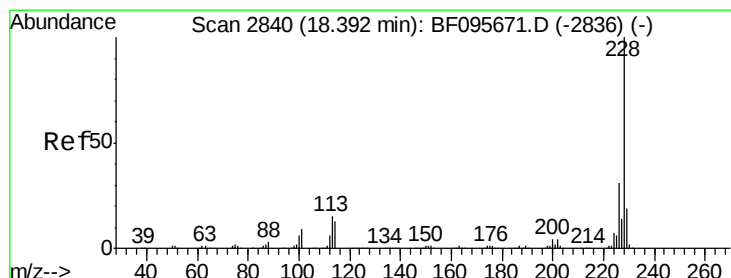
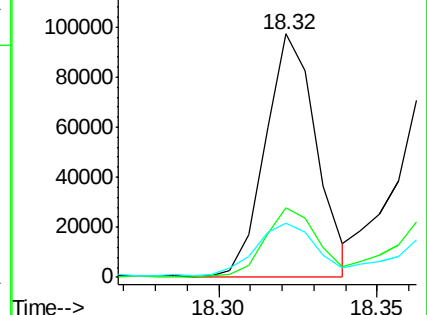
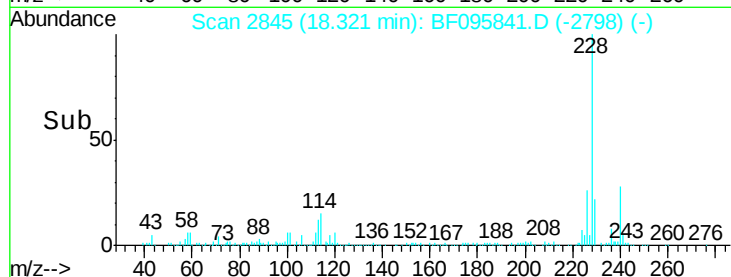
229 22.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 13.86 ng m

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095841.D

Acq: 10 Jun 2017 1:48

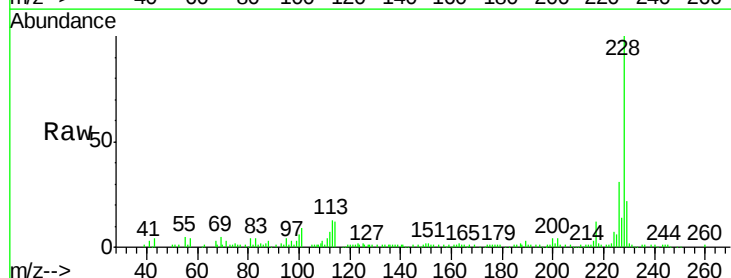
Tgt Ion:228 Resp: 111744

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

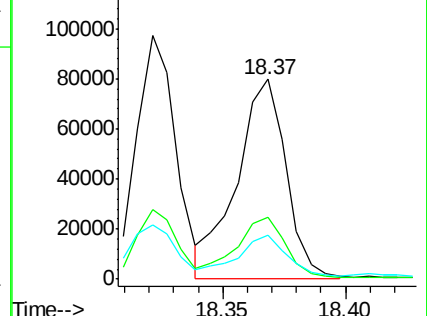
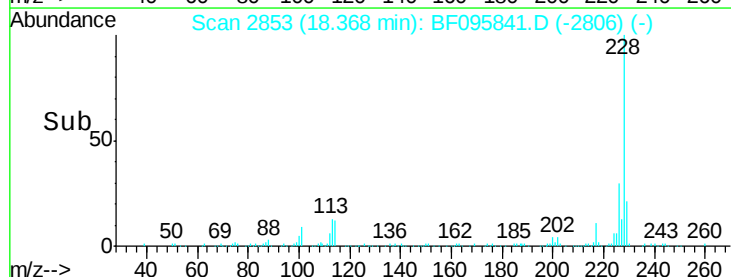
229 22.3 15.8 23.6

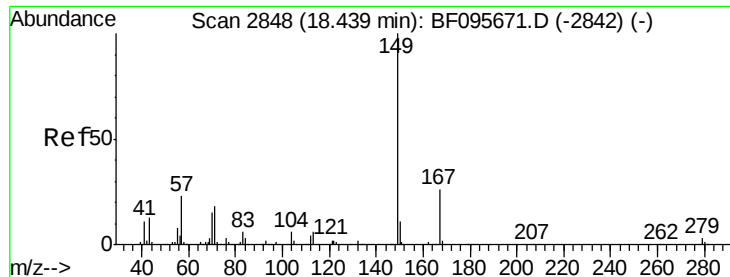


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

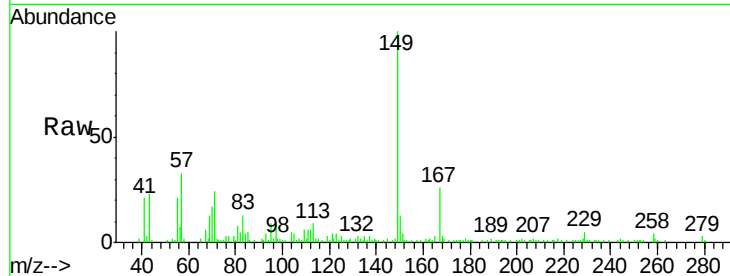




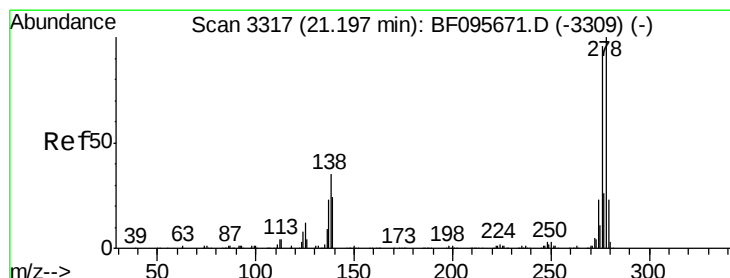
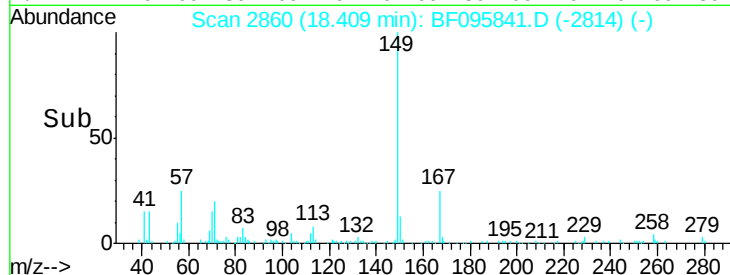
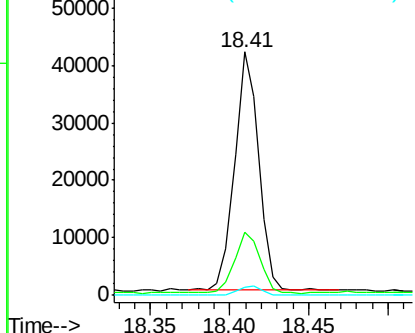
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.81 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

Instrument :
 BNA_F
 ClientSampleId :
 PIER-53-B-COMP

Tgt Ion:149 Resp: 43464
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.0 31.4
 279 3.2 1.9 2.9#

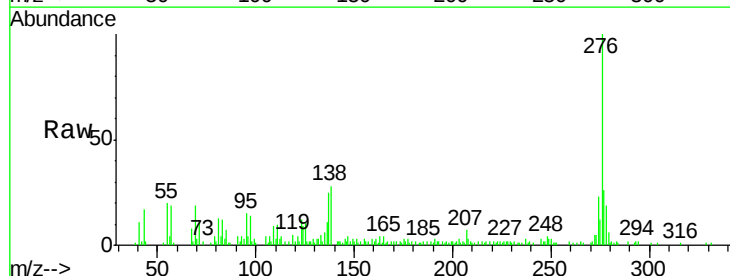


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

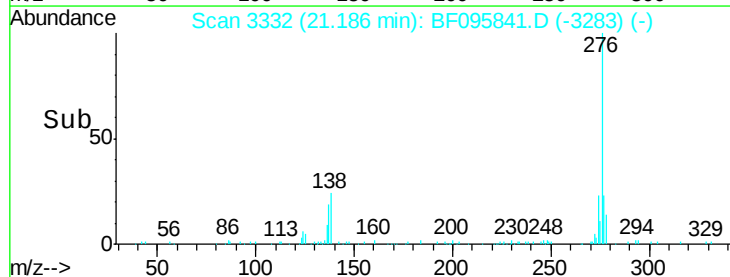
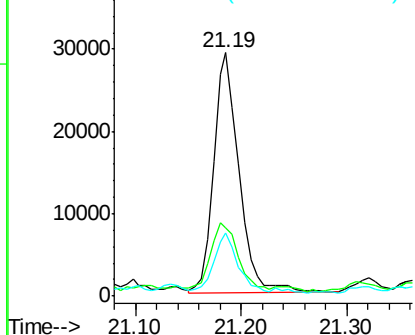


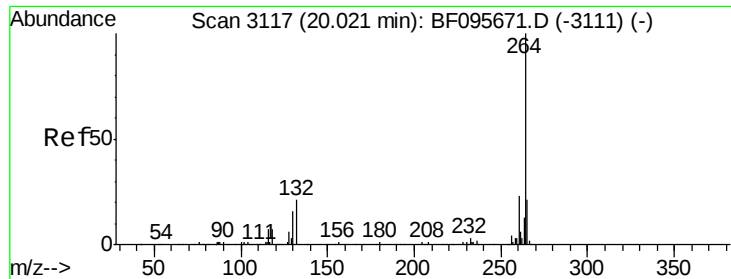
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.17 ng
 RT: 21.19 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BF095841.D
 Acq: 10 Jun 2017 1:48

Tgt Ion:276 Resp: 49466
 Ion Ratio Lower Upper
 276 100
 138 31.2 27.8 41.6
 277 22.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

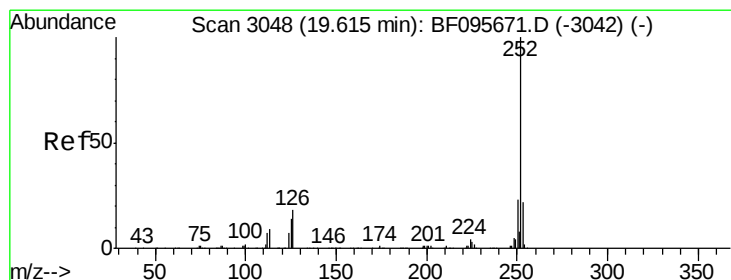
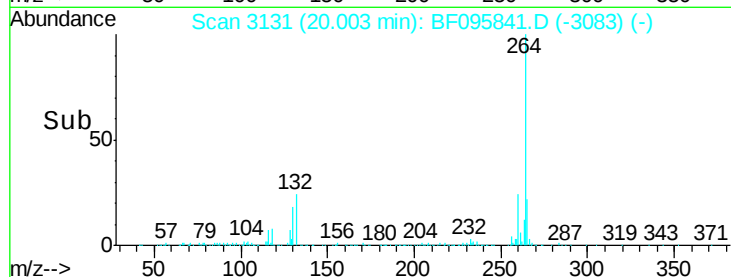
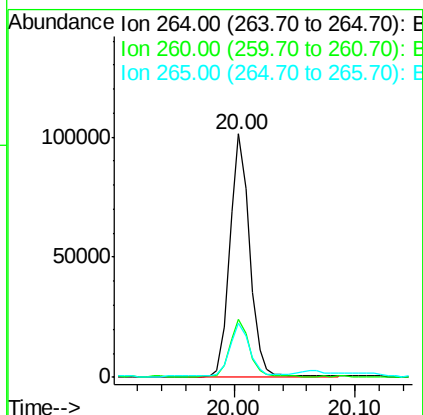
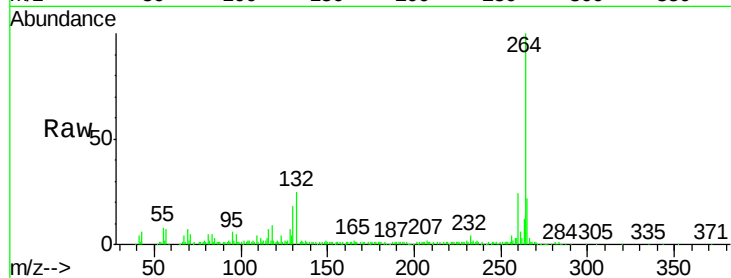




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

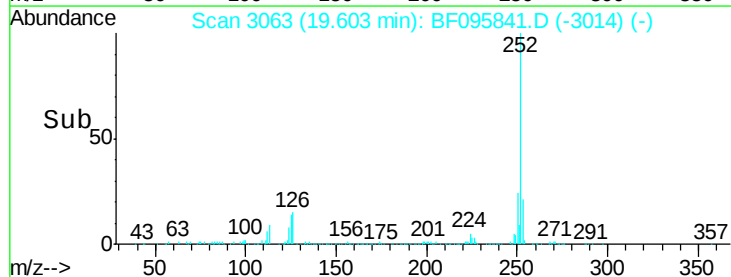
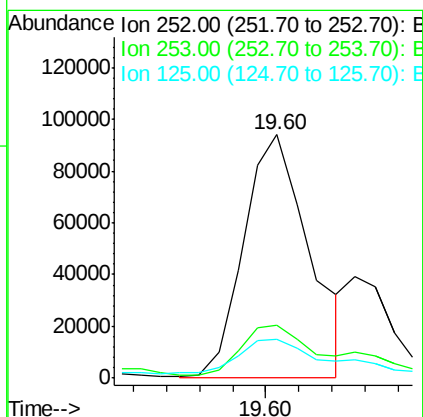
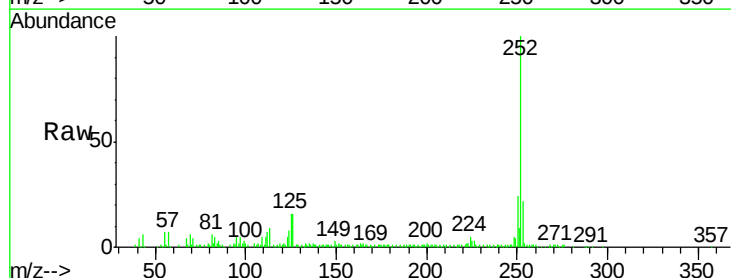
Instrument :
BNA_F
ClientSampleId :
PIER-53-B-COMP

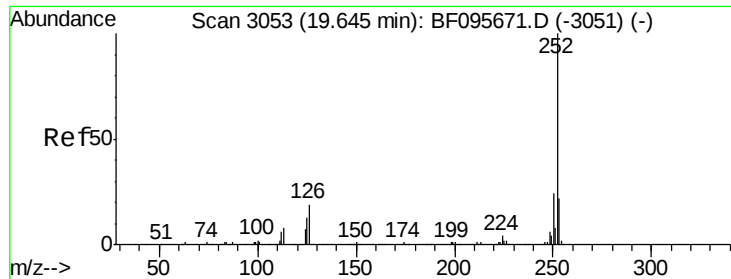
Tgt Ion: 264 Resp: 117111
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.63 ng m
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Tgt Ion: 252 Resp: 129260
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 15.9 9.8 14.8#

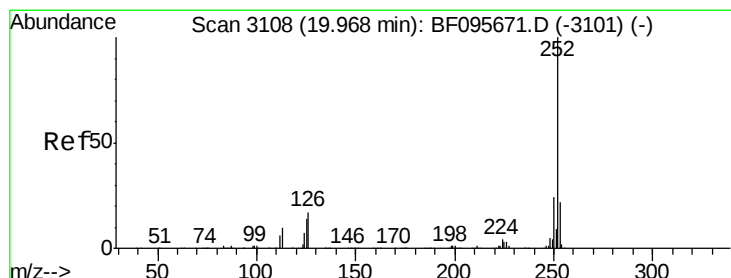
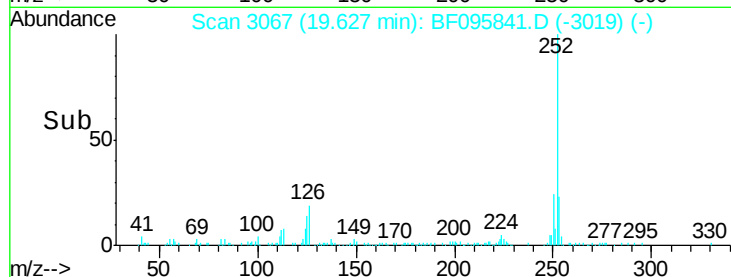
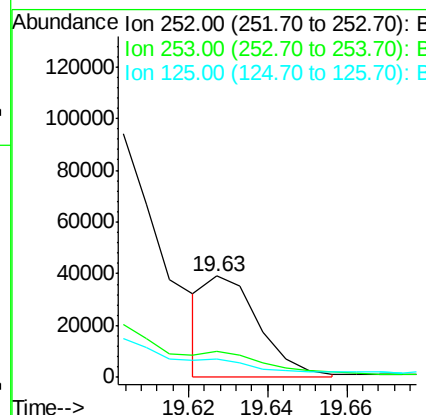
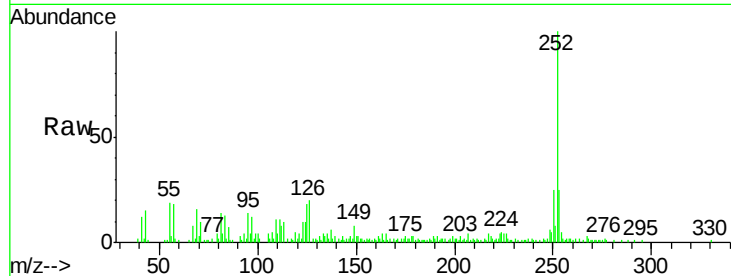




#88
Benzo(k)fluoranthene
Concen: 5.16 ng m
RT: 19.63 min Scan# 3067
Delta R.T. -0.02 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

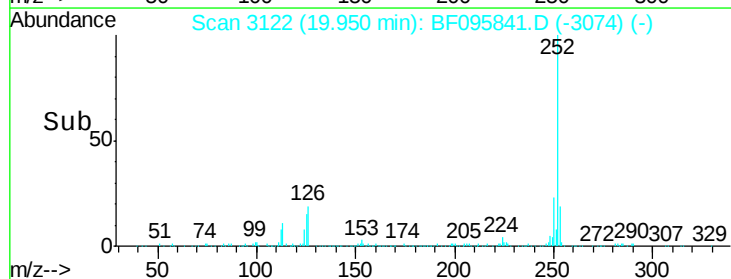
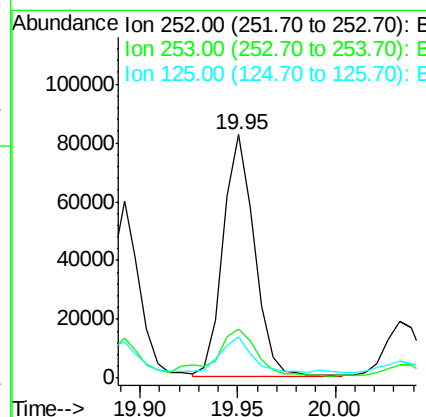
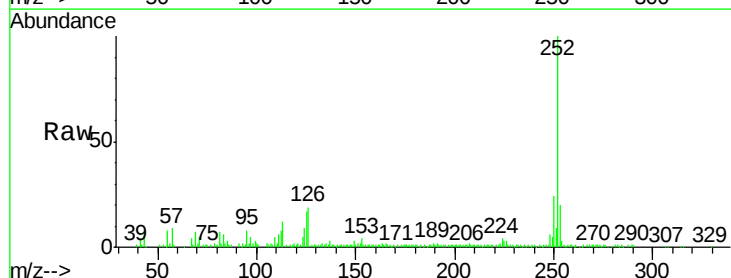
Instrument :
BNA_F
ClientSampleId :
PIER-53-B-COMP

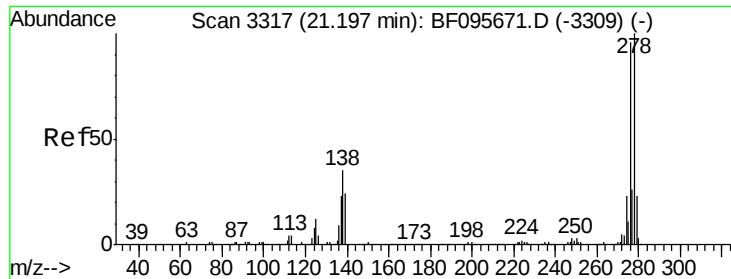
Tgt Ion:252 Resp: 36195
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 18.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 13.61 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Tgt Ion:252 Resp: 91764
Ion Ratio Lower Upper
252 100
253 20.2 17.5 26.3
125 17.0 11.0 16.4#

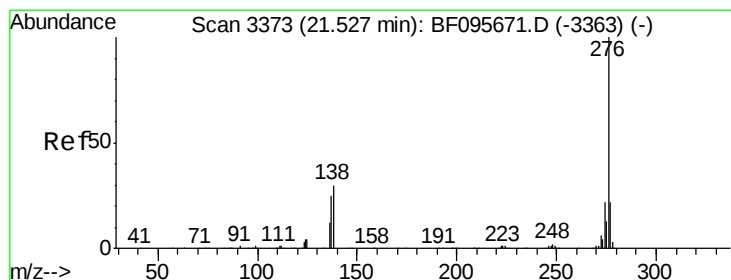
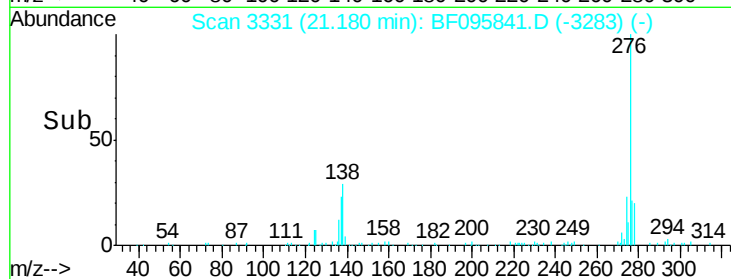
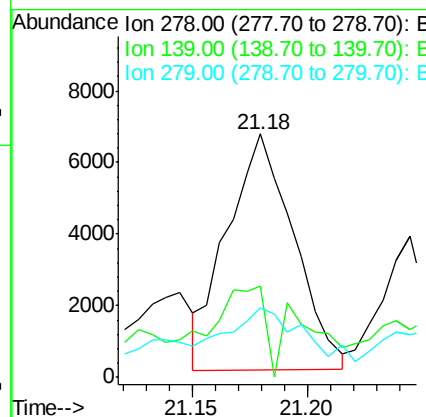
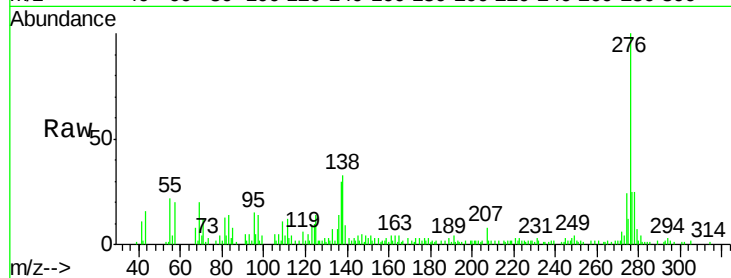




#90
Dibenzo(a,h)anthracene
Concen: 2.32 ng
RT: 21.18 min Scan# 3331
Delta R.T. -0.02 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Instrument :
BNA_F
ClientSampleId :
PIER-53-B-COMP

Tgt Ion: 278 Resp: 13276
Ion Ratio Lower Upper
278 100
139 37.3 16.6 24.8#
279 28.7 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 8.15 ng
RT: 21.52 min Scan# 3389
Delta R.T. -0.01 min
Lab File: BF095841.D
Acq: 10 Jun 2017 1:48

Tgt Ion: 276 Resp: 47490
Ion Ratio Lower Upper
276 100
277 26.6 18.6 28.0
138 35.6 25.4 38.0

