

Data File : BF095839.D
Acq On : 10 Jun 2017 00:43
Operator : SJ/MA
Sample : I3503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

Quant Time: Jun 10 01:28:14 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	70244	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	282572	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	119795	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	189859	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	138636	20.00	ng	-0.02
86) Perylene-d12	20.00	264	119990	20.00	ng	-0.02

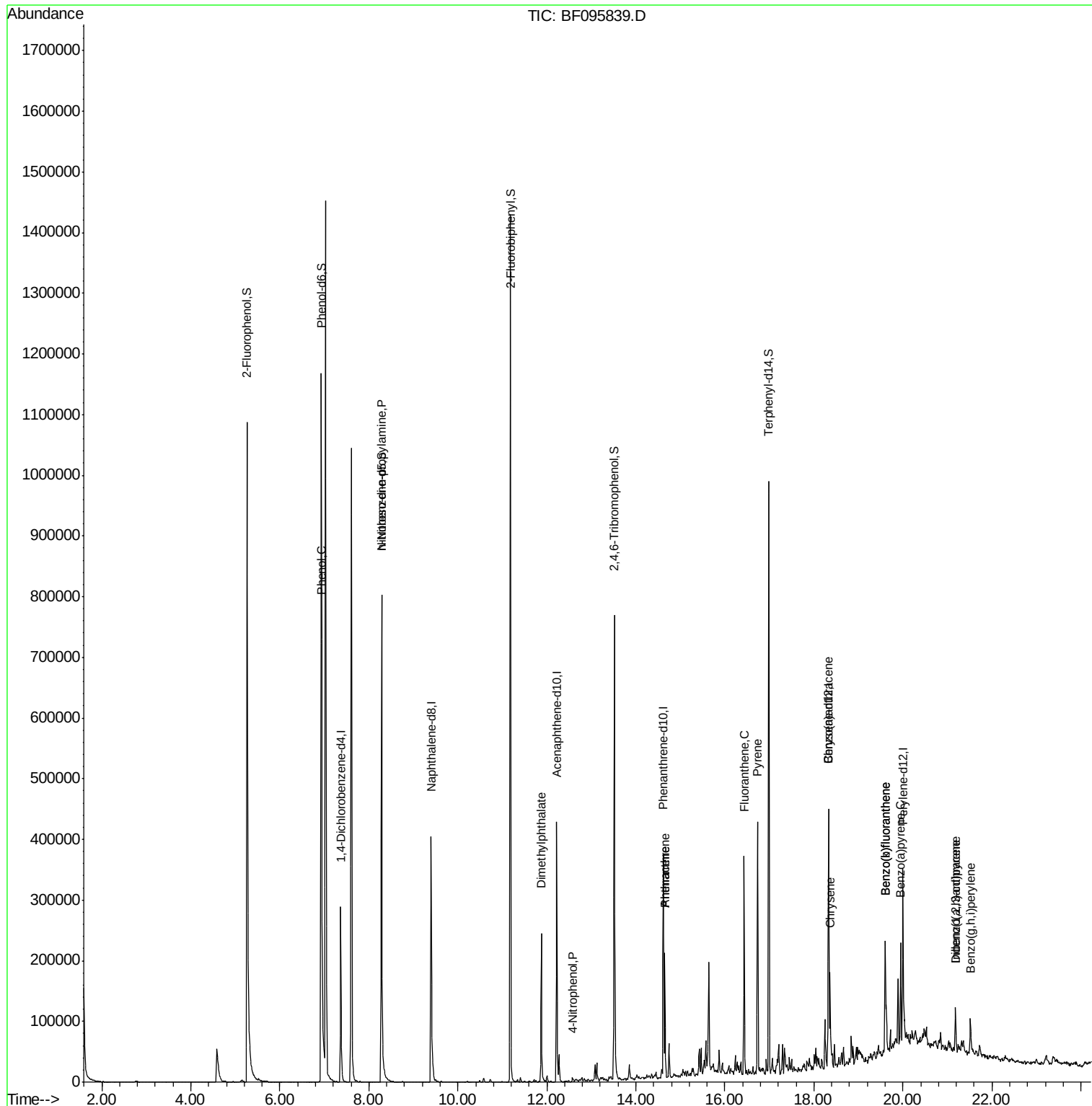
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	596407	135.29	ng	-0.02
7) Phenol-d6	6.93	99	724133	137.21	ng	-0.02
23) Nitrobenzene-d5	8.29	82	413208	90.82	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	126293	119.15	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	641869	74.56	ng	-0.04
78) Terphenyl-d14	16.99	244	379012	67.85	ng	-0.03

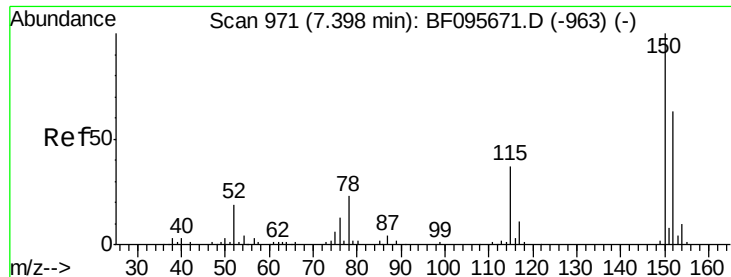
Target Compounds						Qvalue
10) Phenol	6.95	94	14674	2.68	ng	# 58
19) n-Nitroso-di-n-propylamine	8.29	70	50527	15.11	ng	# 76
49) Dimethylphthalate	11.87	163	151006	16.60	ng	# 98
55) 4-Nitrophenol	12.58	139	2212	6.17	ng	# 25
70) Phenanthrene	14.65	178	114047	10.41	ng	97
71) Anthracene	14.65	178	114047	9.97	ng	97
74) Fluoranthene	16.43	202	181711	16.76	ng	97
77) Pyrene	16.73	202	172301	16.66	ng	# 94
80) Benzo(a)anthracene	18.32	228	82946	10.29	ng	97
82) Chrysene	18.36	228	80551	10.00	ng	99
85) Indeno(1,2,3-cd)pyrene	21.19	276	36950	5.36	ng	92
87) Benzo(b)fluoranthene	19.60	252	126575	16.85	ng	# 94
88) Benzo(k)fluoranthene	19.60	252	126575	17.62	ng	99
89) Benzo(a)pyrene	19.95	252	75140	10.88	ng	98
90) Dibenzo(a,h)anthracene	21.18	278	14392	2.46	ng	# 81
91) Benzo(g,h,i)perylene	21.51	276	40569	6.79	ng	94

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

ALS Vial : 17 Sample Multiplier: 1

Response via : Initial Calibration



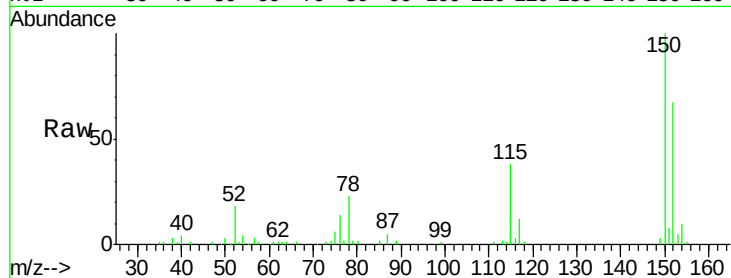


#1

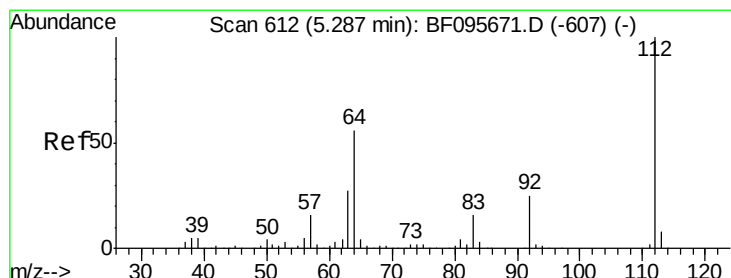
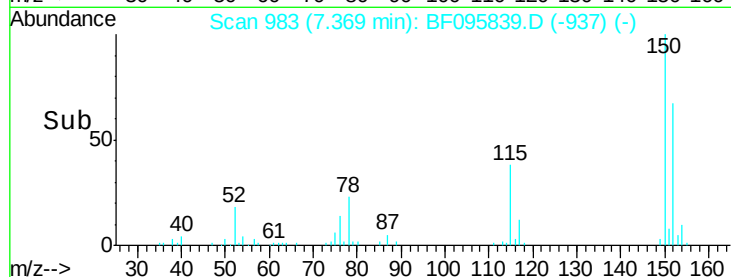
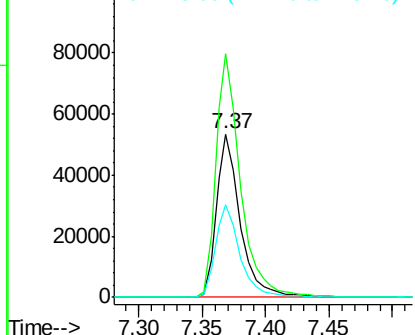
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

Tgt Ion:152 Resp: 70244
Ion Ratio Lower Upper
152 100
150 149.2 126.2 189.2
115 56.9 52.2 78.2



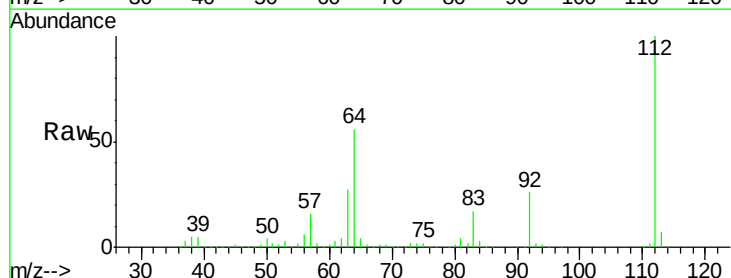
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



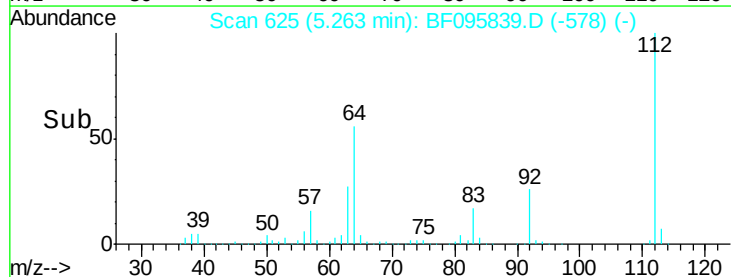
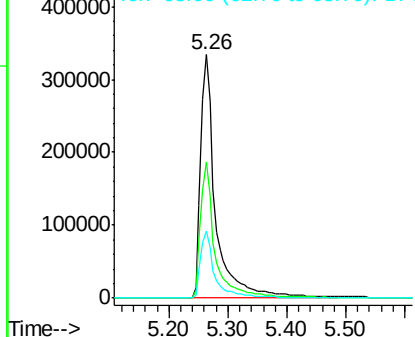
#5

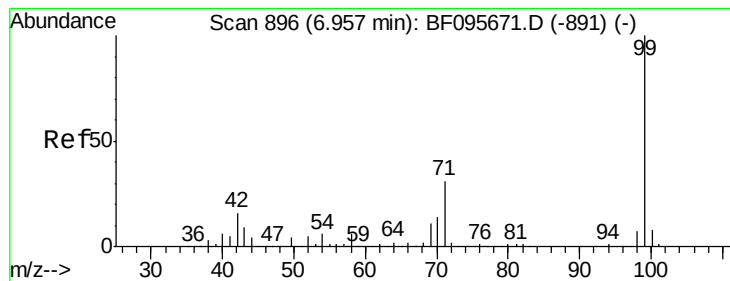
2-Fluorophenol
Concen: 135.29 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion:112 Resp: 596407
Ion Ratio Lower Upper
112 100
64 56.0 46.0 69.0
63 27.5 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: 137.21 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

PIER-56-COMP

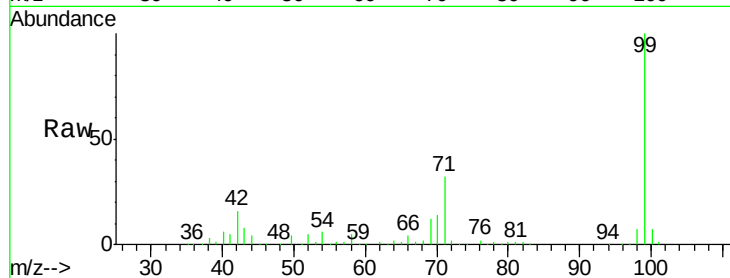
Tgt Ion: 99 Resp: 724133

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

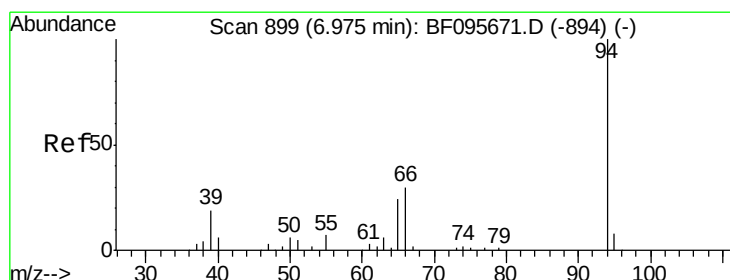
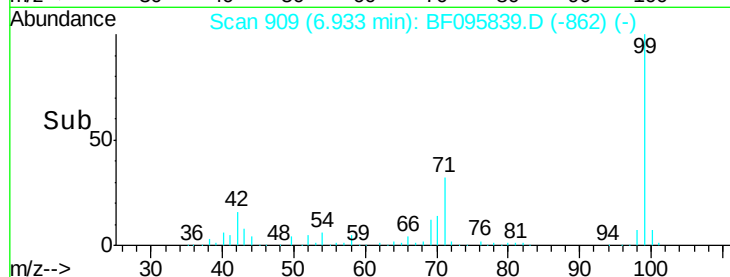
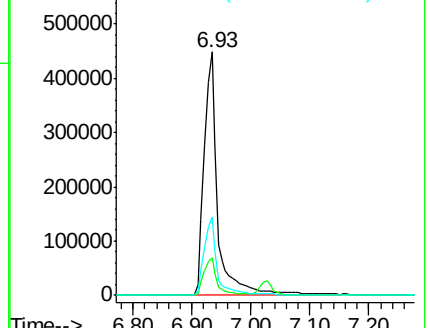
71 32.1 24.5 36.7



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: 2.68 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

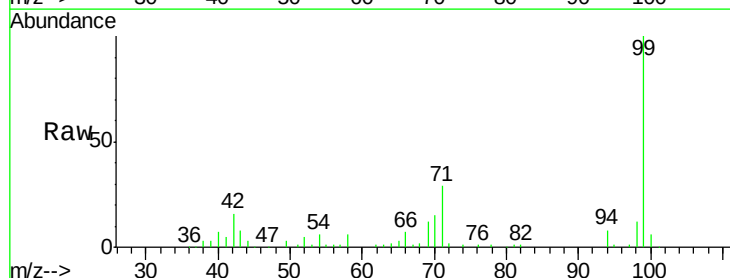
Tgt Ion: 94 Resp: 14674

Ion Ratio Lower Upper

94 100

65 35.8 9.9 49.9

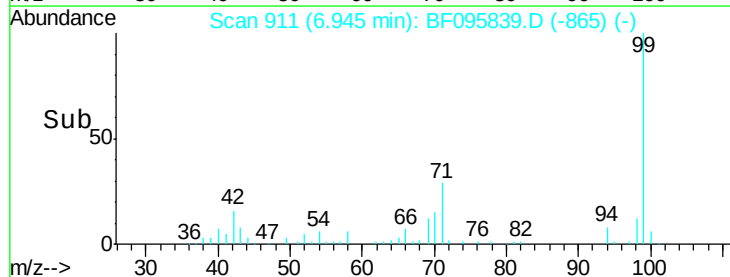
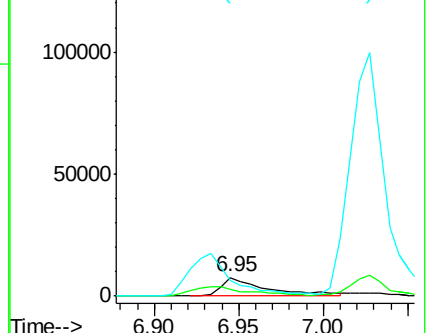
66 84.1 23.1 63.1#

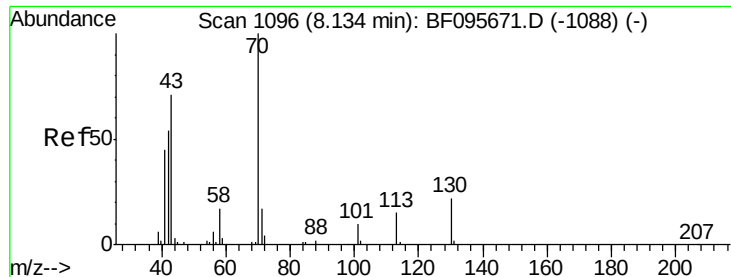


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

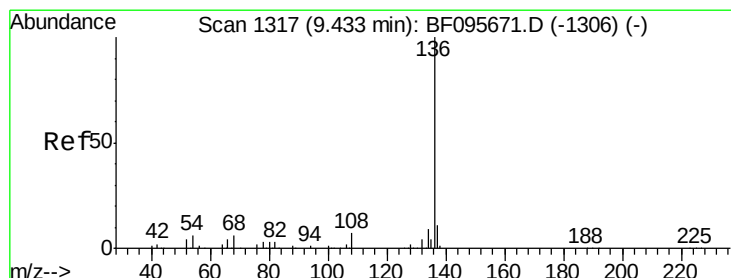
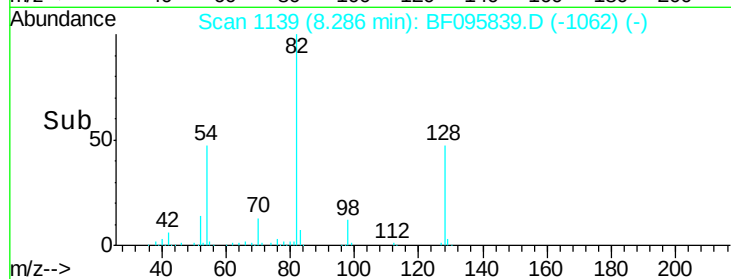
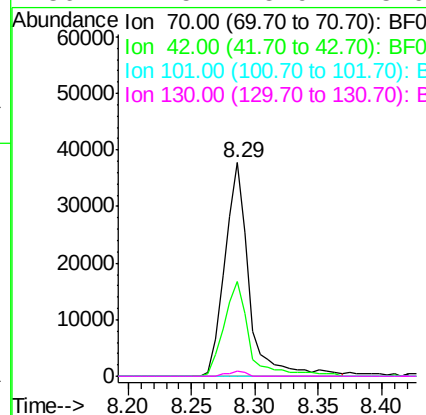
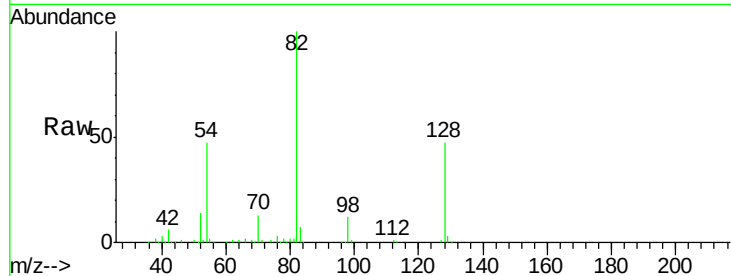




#19
n-Nitroso-di-n-propylamine
Concen: 15.11 ng
RT: 8.29 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

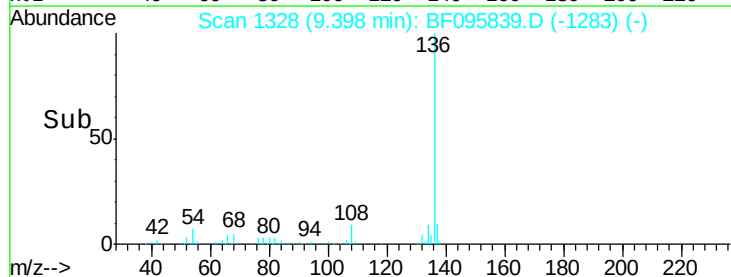
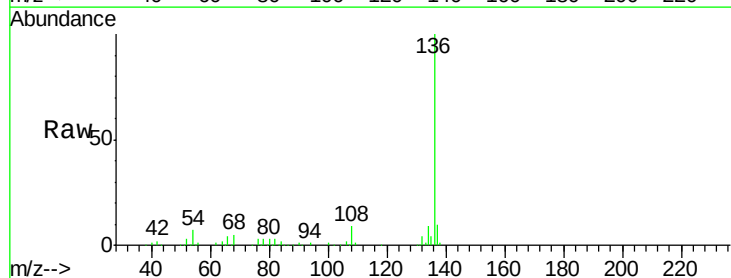
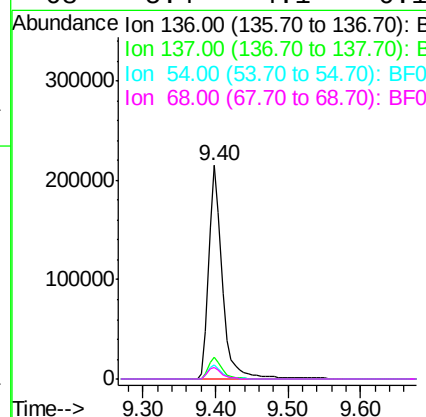
Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

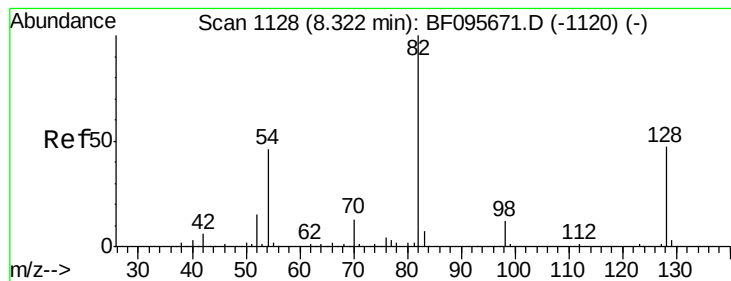
Tgt Ion: 70 Resp: 50527
Ion Ratio Lower Upper
70 100
42 44.3 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion: 136 Resp: 282572
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 6.6 4.9 7.3
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 90.82 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

PIER-56-COMP

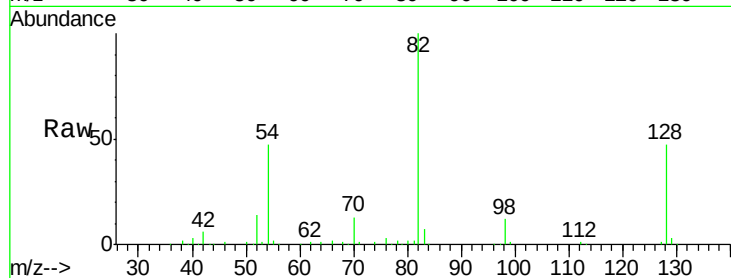
Tgt Ion: 82 Resp: 413208

Ion Ratio Lower Upper

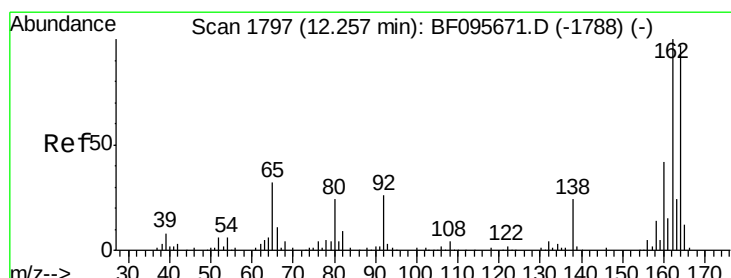
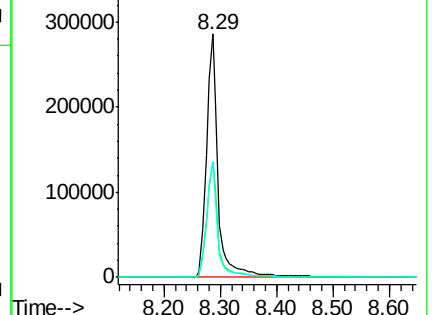
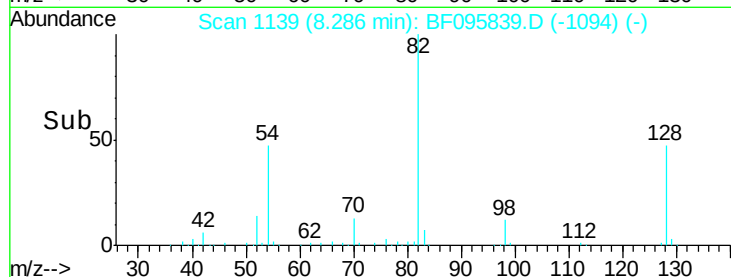
82 100

128 47.4 34.0 51.0

54 47.3 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: BF095839.D

Acq: 10 Jun 2017 00:43

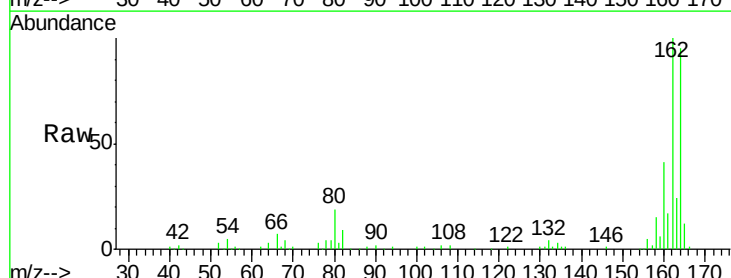
Tgt Ion: 164 Resp: 119795

Ion Ratio Lower Upper

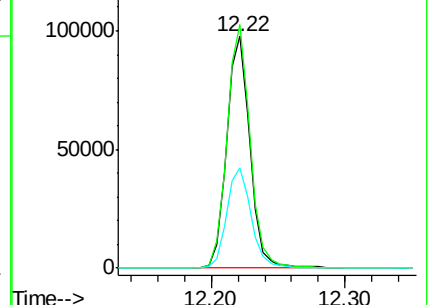
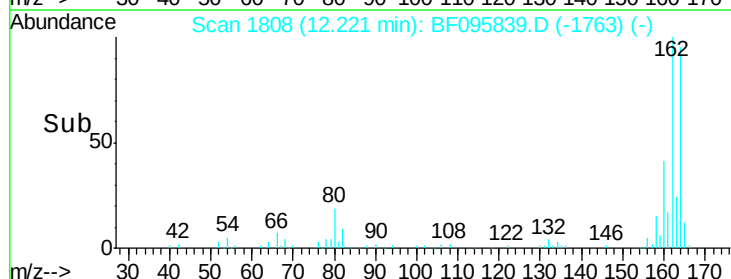
164 100

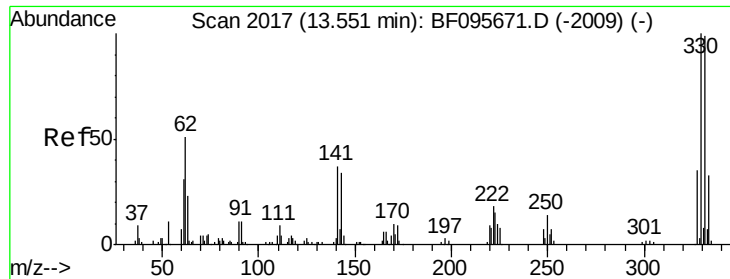
162 105.0 82.6 123.8

160 43.5 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

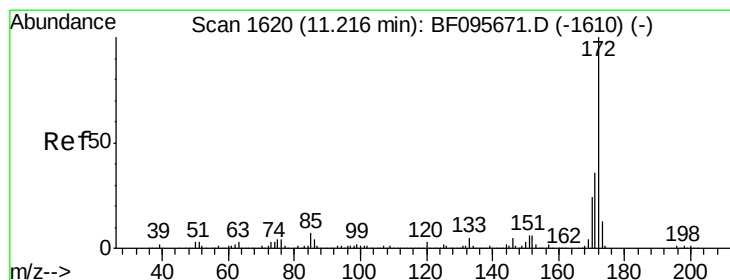
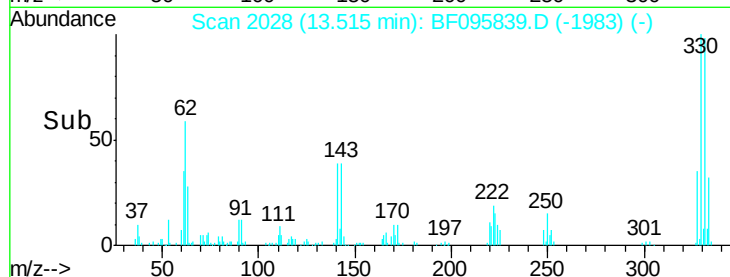
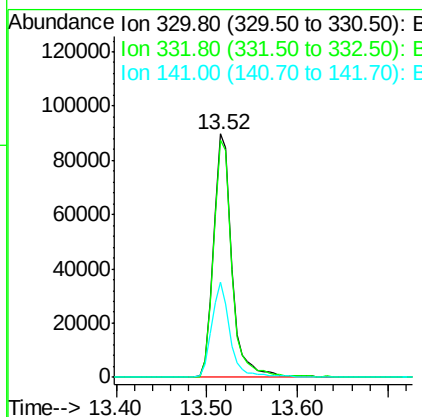
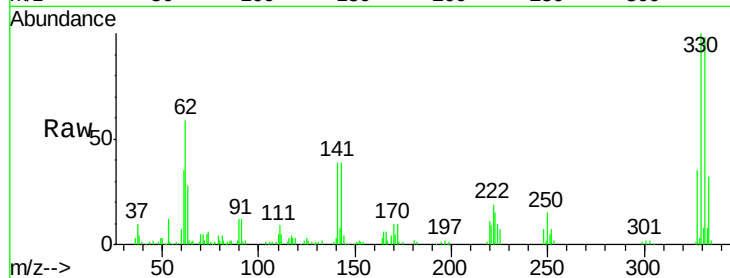




#41
 2,4,6-Tribromophenol
 Concen: 119.15 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

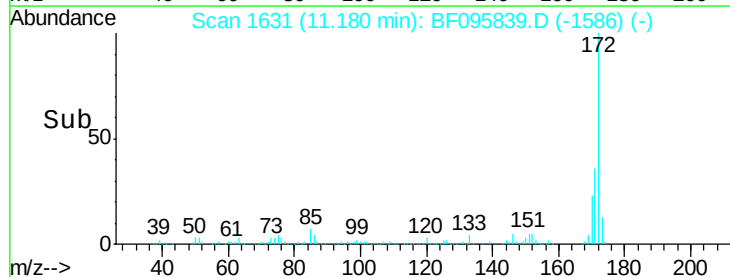
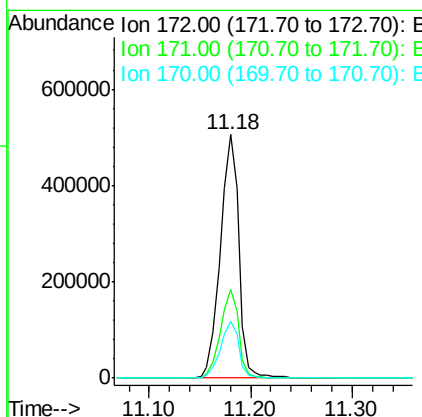
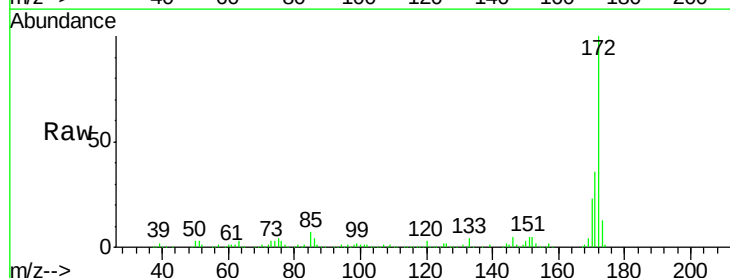
Instrument :
 BNA_F
 ClientSampleId :
 PIER-56-COMP

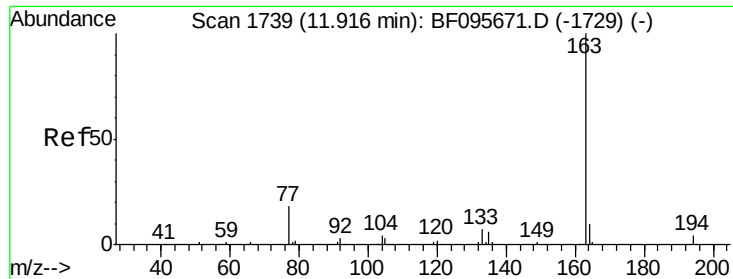
Tgt Ion:330 Resp: 126293
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 38.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 74.56 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

Tgt Ion:172 Resp: 641869
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.5 19.8 29.8

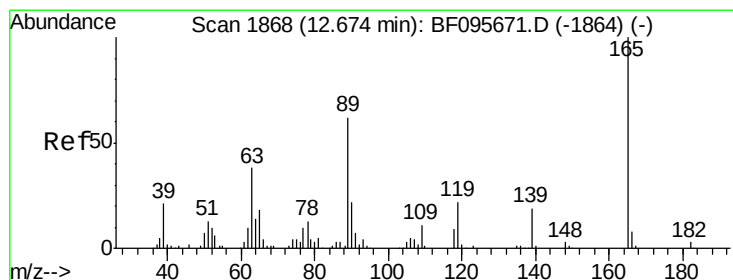
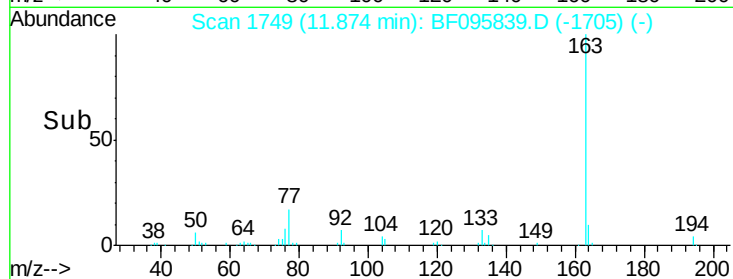
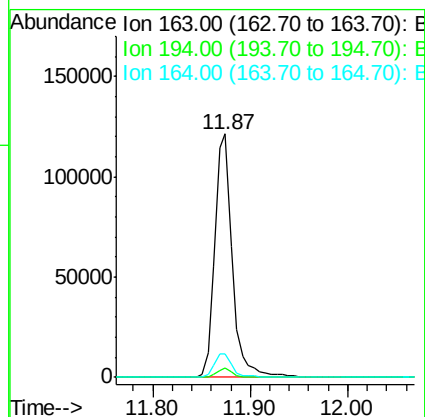
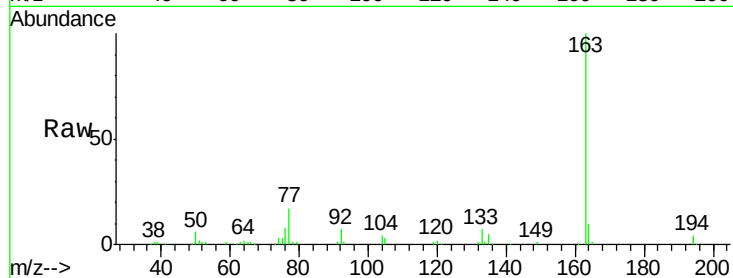




#49
Dimethylphthalate
Concen: 16.60 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

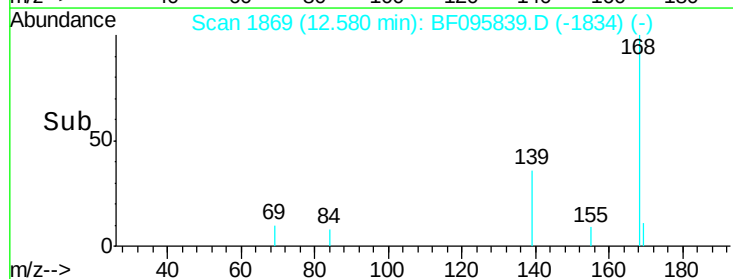
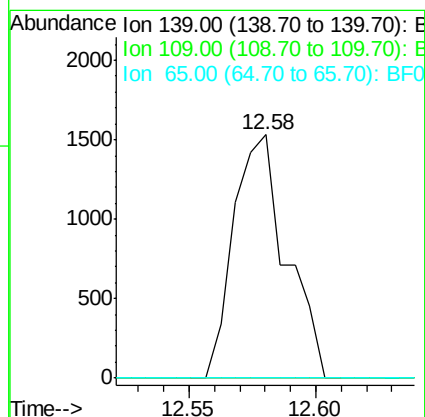
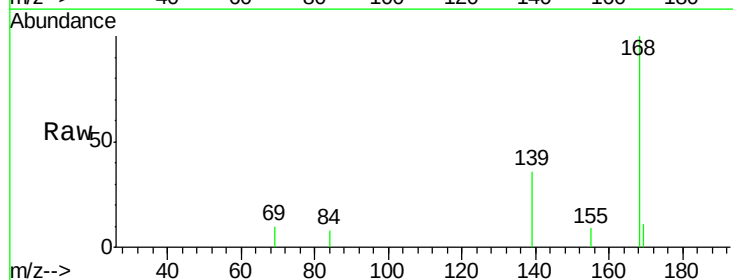
Instrument :
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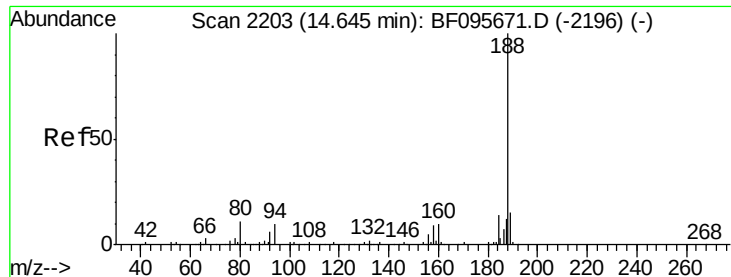
Tgt Ion:163 Resp: 151006
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 9.8 8.4 12.6



#55
4-Nitrophenol
Concen: 6.17 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion:139 Resp: 2212
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.03 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

PIER-56-COMP

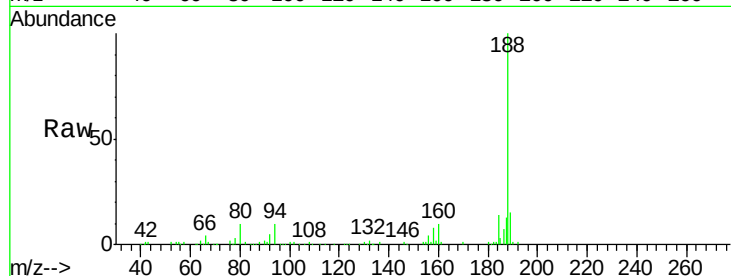
Tgt Ion:188 Resp: 189859

Ion Ratio Lower Upper

188 100

94 9.7 9.4 14.2

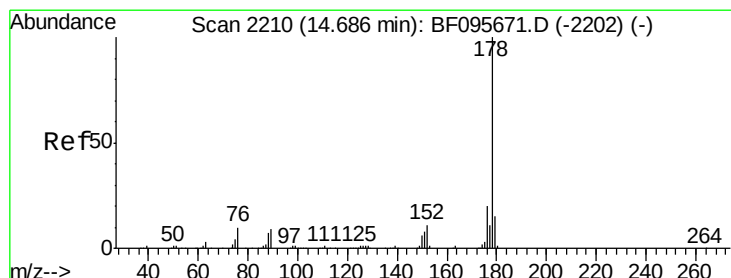
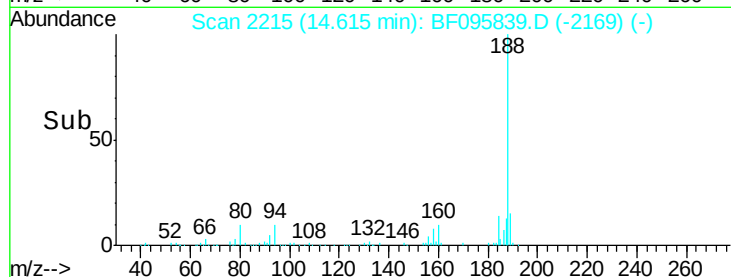
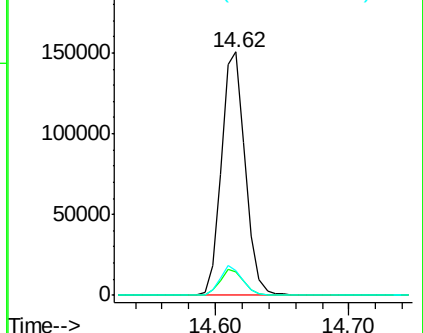
80 10.1 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 10.41 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

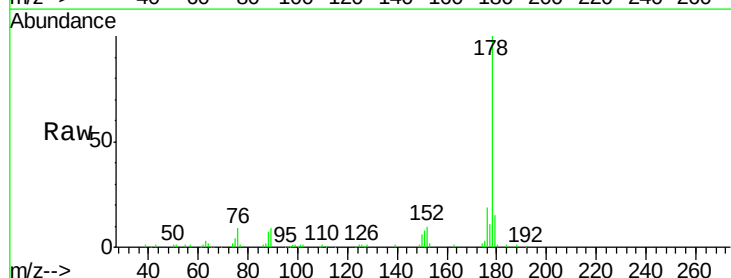
Tgt Ion:178 Resp: 114047

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

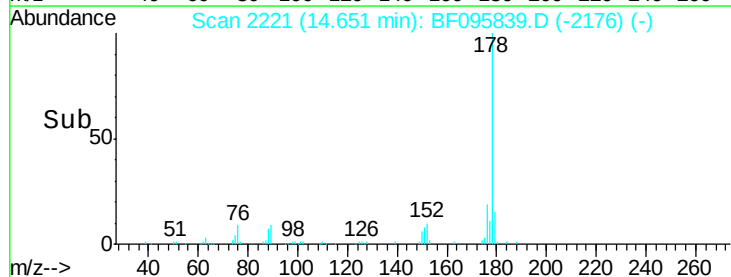
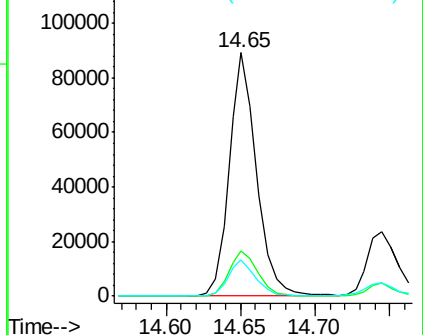
179 14.7 12.6 19.0

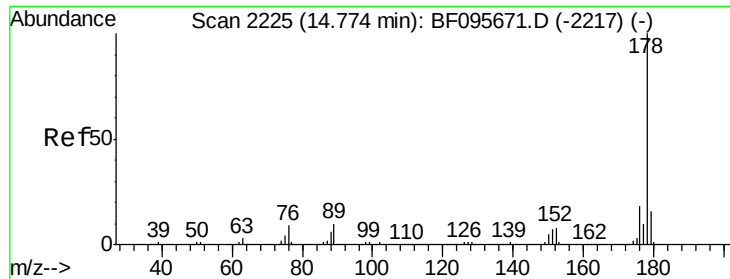


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

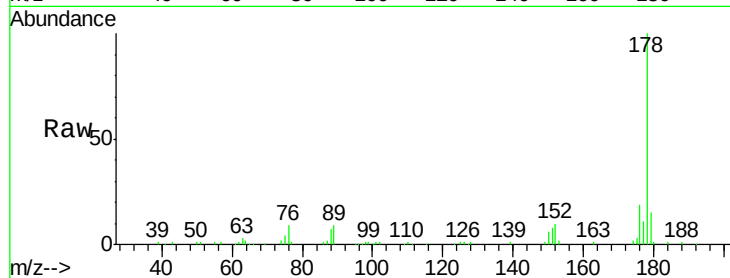




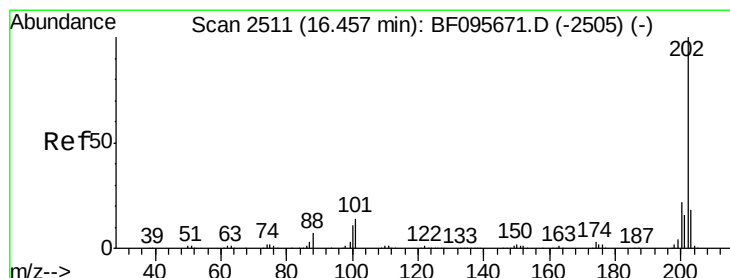
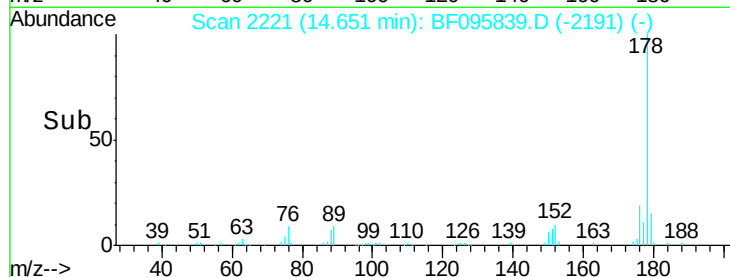
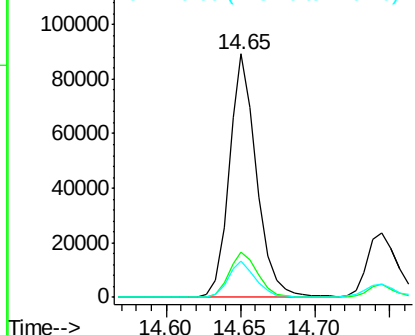
#71
 Anthracene
 Concen: 9.97 ng
 RT: 14.65 min Scan# 2221
 Delta R.T. -0.12 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

Instrument :
 BNA_F
 ClientSampleId :
 PIER-56-COMP

Tgt Ion:178 Resp: 114047
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 14.7 12.7 19.1

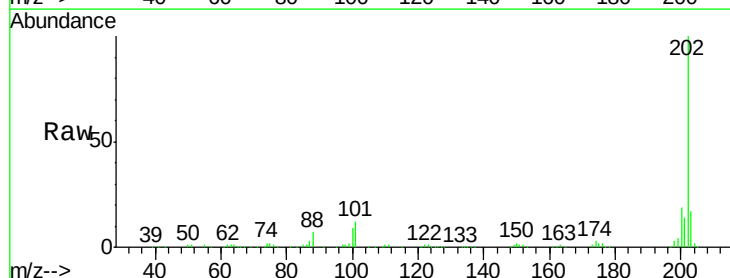


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

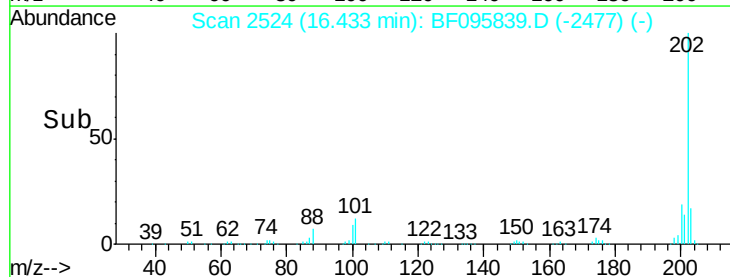
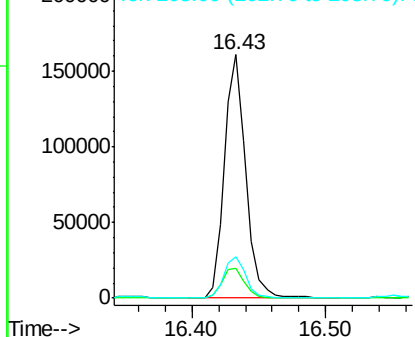


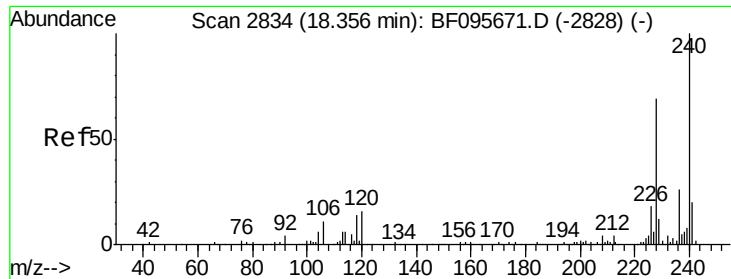
#74
 Fluoranthene
 Concen: 16.76 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

Tgt Ion:202 Resp: 181711
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.2
 203 17.0 0.0 38.1



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

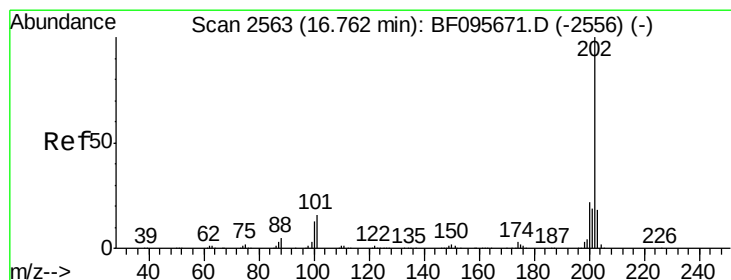
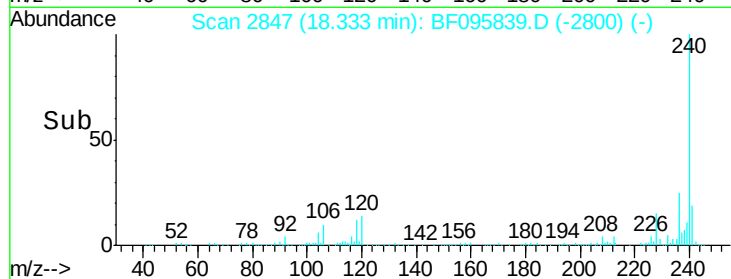
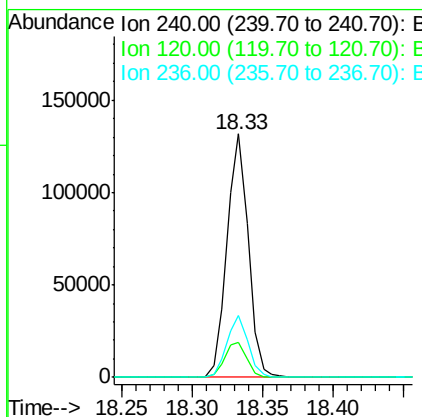
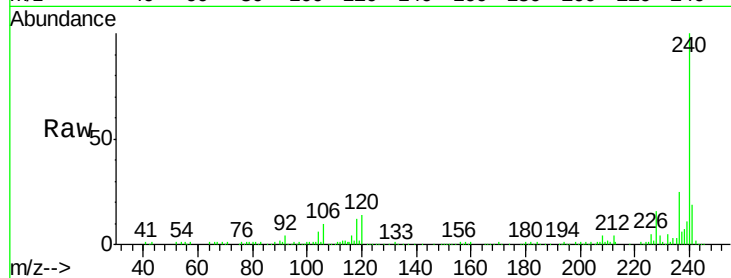




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.02 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

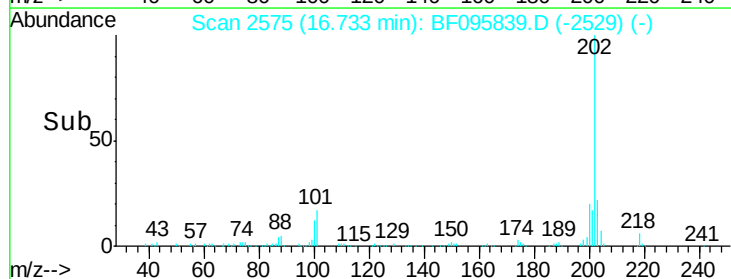
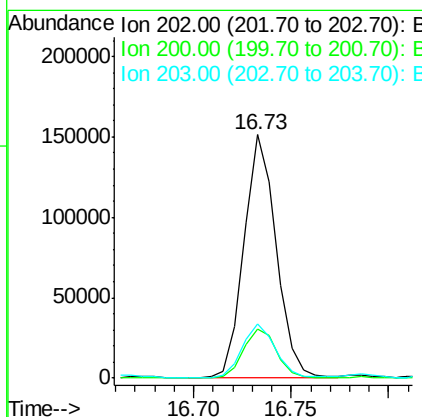
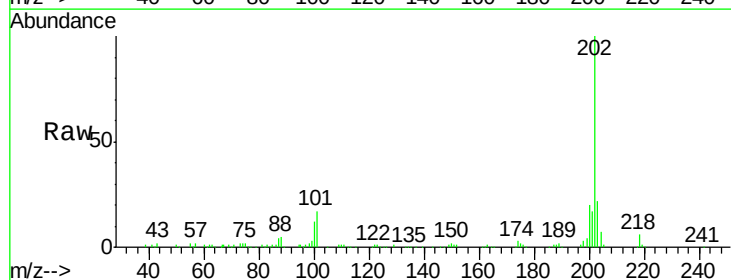
Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

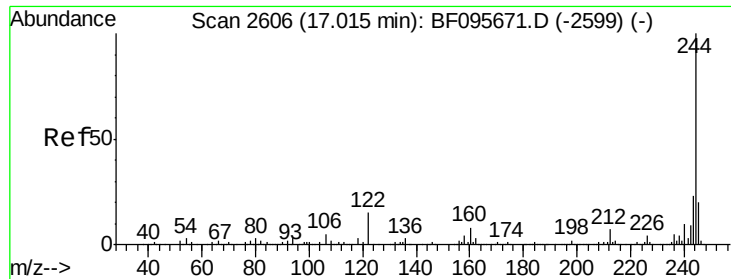
Tgt Ion:240 Resp: 138636
Ion Ratio Lower Upper
240 100
120 14.4 5.8 8.8#
236 25.5 20.5 30.7



#77
Pyrene
Concen: 16.66 ng
RT: 16.73 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion:202 Resp: 172301
Ion Ratio Lower Upper
202 100
200 20.2 17.6 26.4
203 22.0 14.4 21.6#

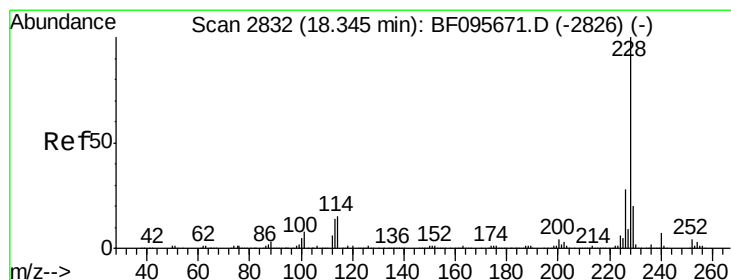
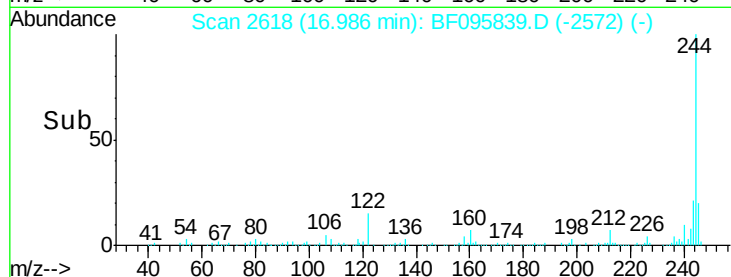
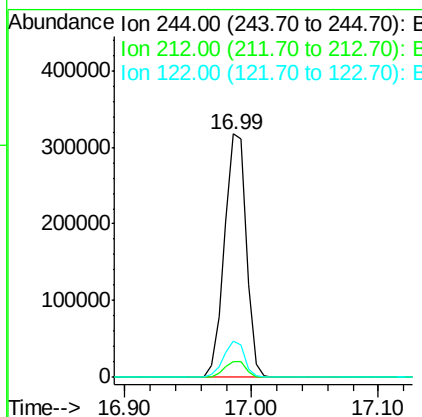
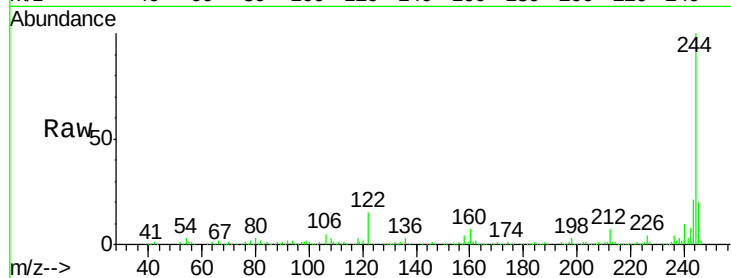




#78
 Terphenyl-d14
 Concen: 67.85 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

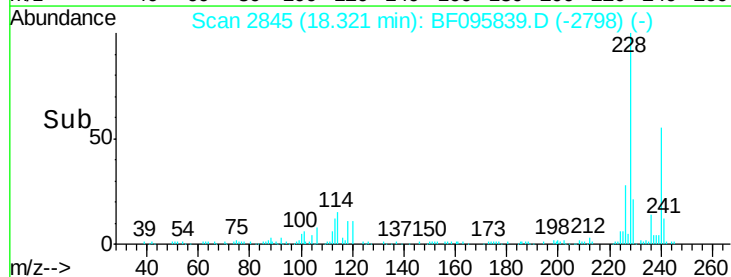
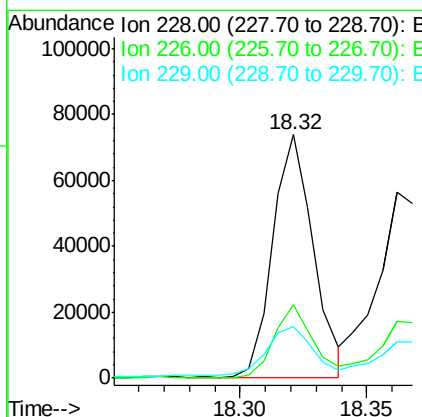
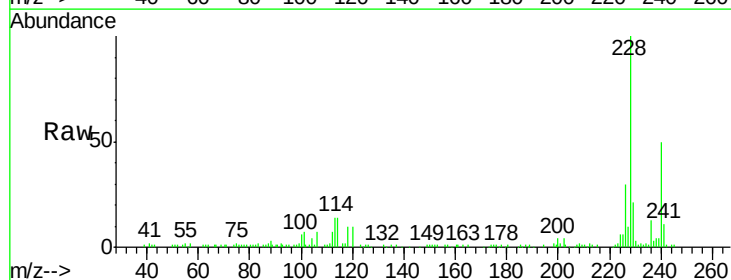
Instrument :
 BNA_F
 ClientSampleId :
 PIER-56-COMP

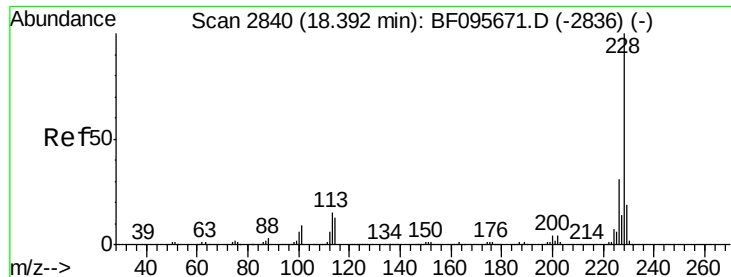
Tgt Ion:244 Resp: 379012
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 15.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 10.29 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095839.D
 Acq: 10 Jun 2017 00:43

Tgt Ion:228 Resp: 82946
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 21.2 16.3 24.5





#82

Chrysene

Concen: 10.00 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

PIER-56-COMP

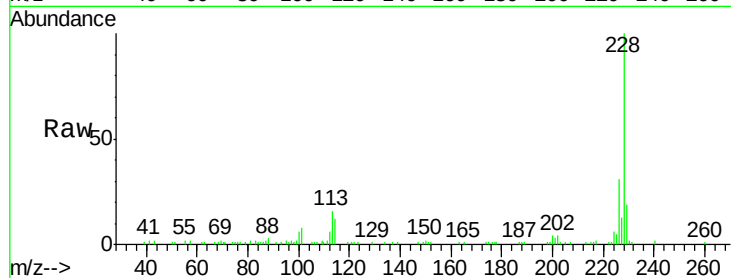
Tgt Ion:228 Resp: 80551

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

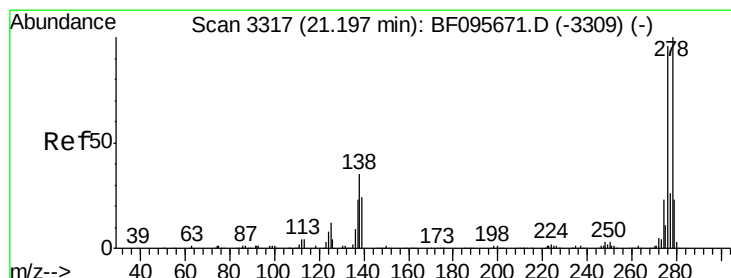
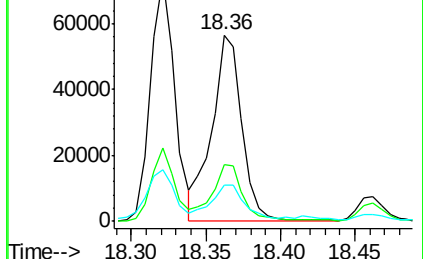
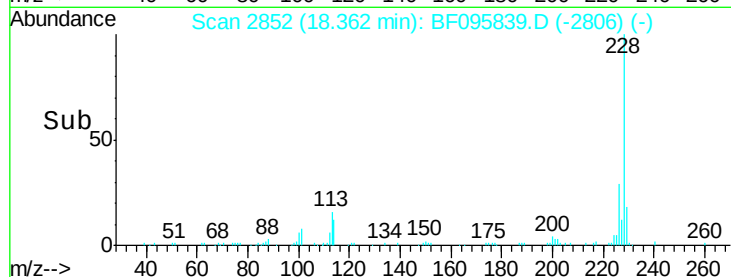
229 19.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.36 ng

RT: 21.19 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

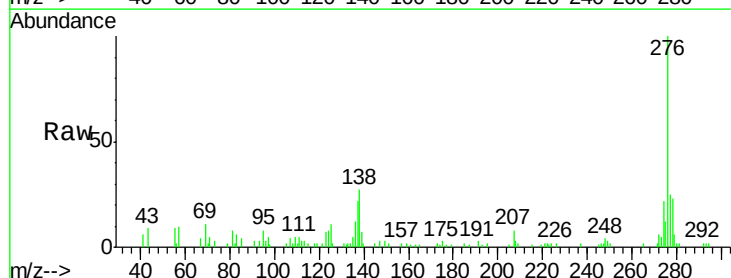
Tgt Ion:276 Resp: 36950

Ion Ratio Lower Upper

276 100

138 28.4 27.8 41.6

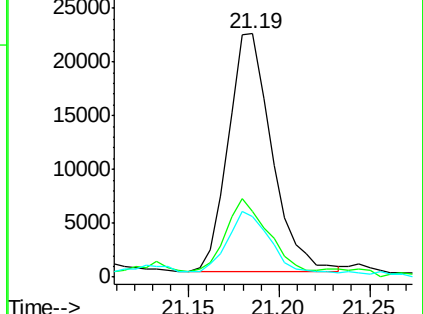
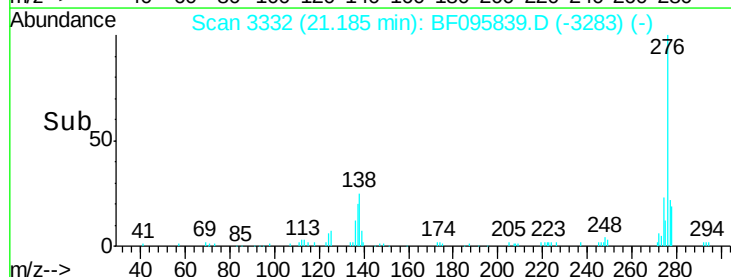
277 27.6 20.2 30.4

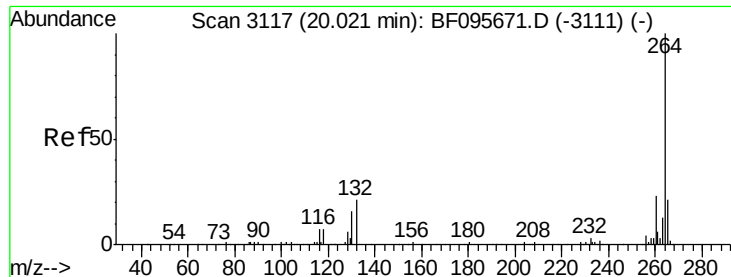


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



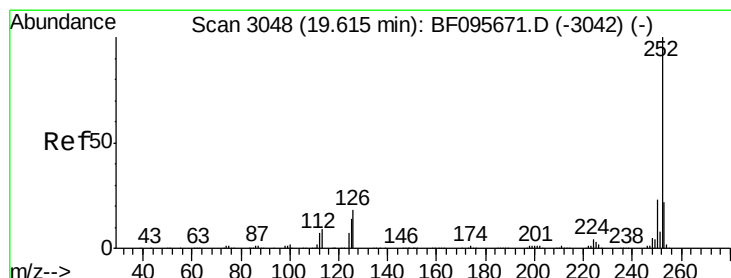
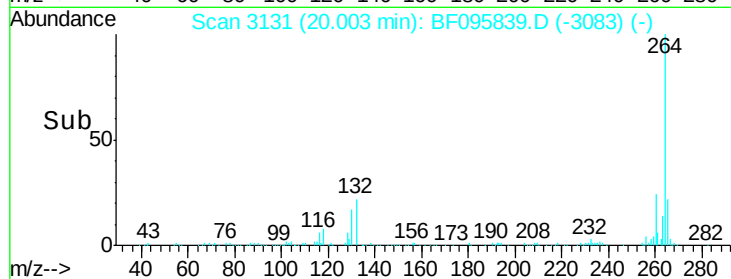
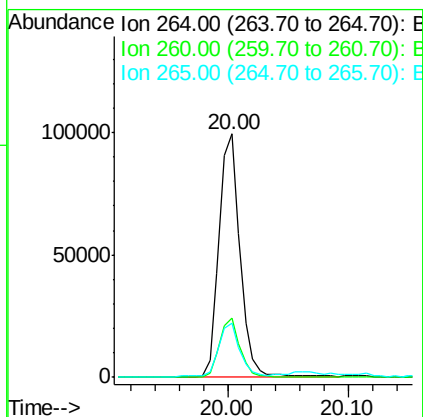
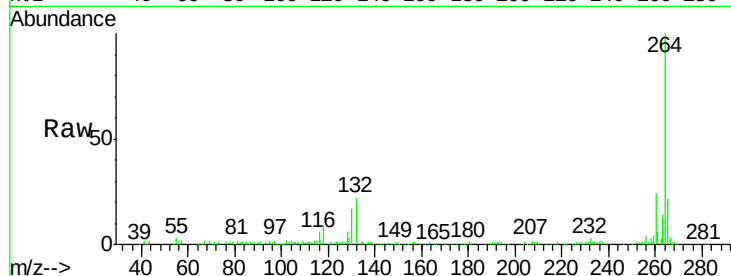


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

Tgt Ion: 264 Resp: 119990

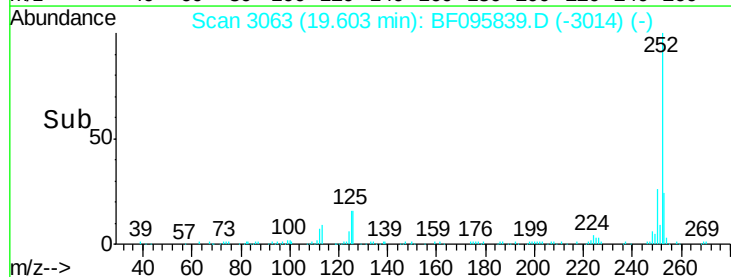
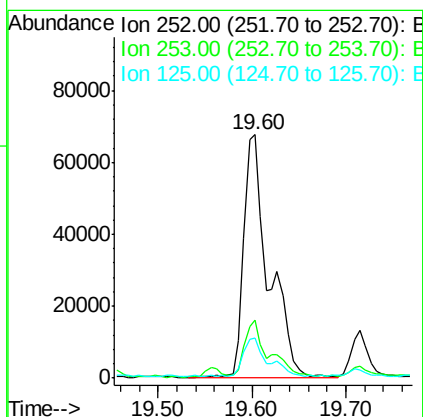
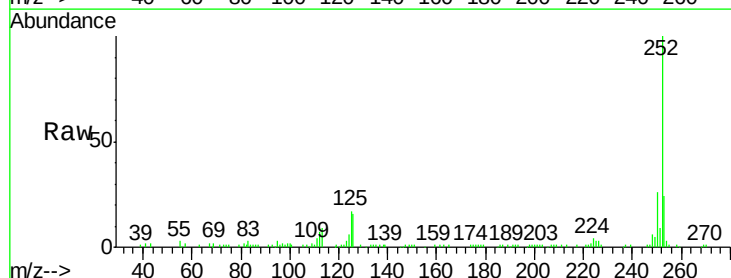
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.3	17.2	25.8

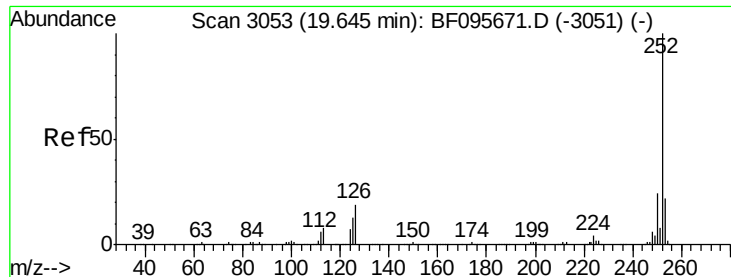


#87
Benzo(b)fluoranthene
Concen: 16.85 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion: 252 Resp: 126575

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	16.6	9.8	14.8

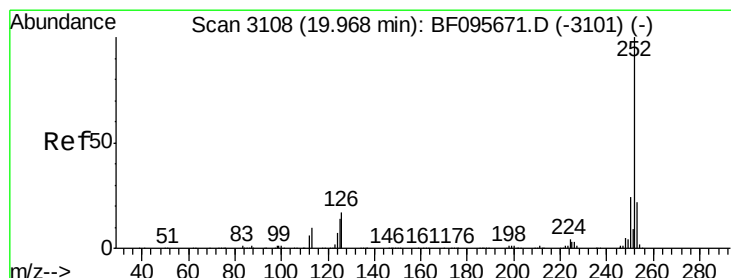
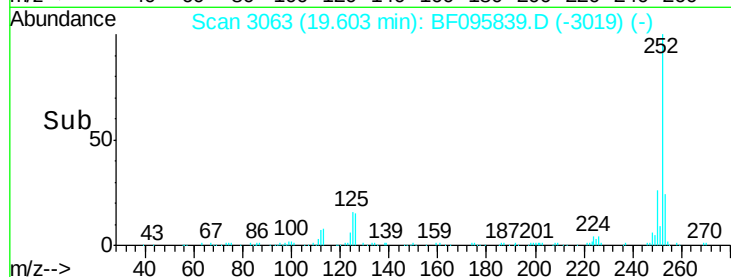
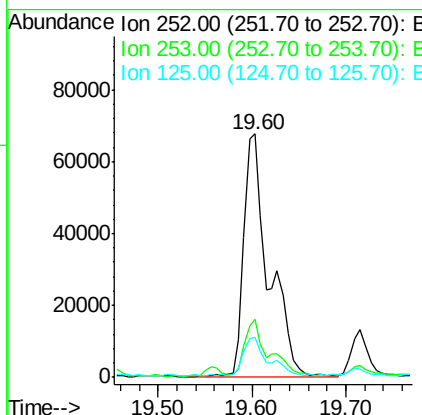
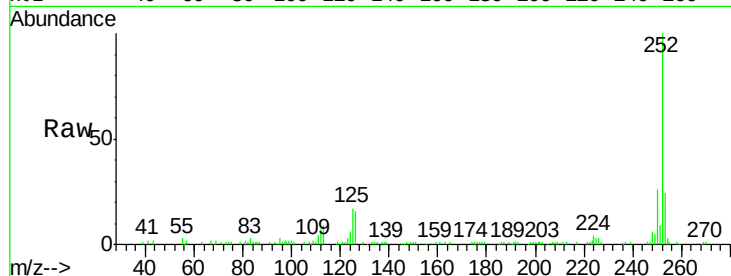




#88
Benzo(k)fluoranthene
Concen: 17.62 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

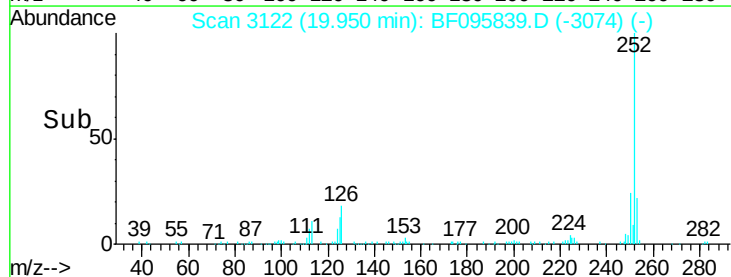
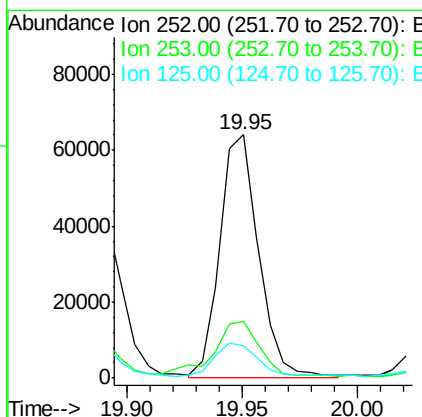
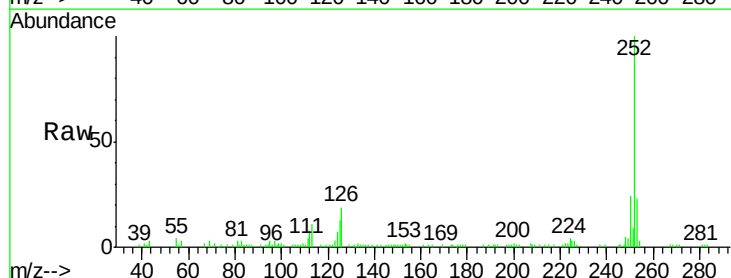
Instrument :
BNA_F
ClientSampleId :
PIER-56-COMP

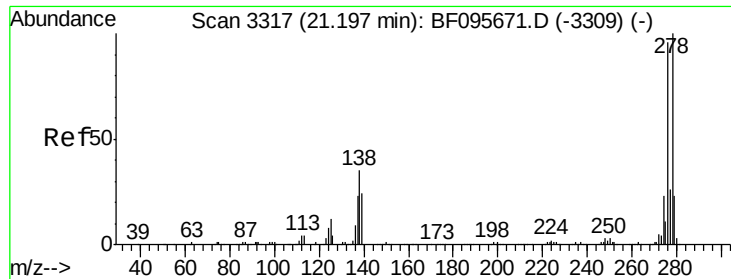
Tgt Ion:252 Resp: 126575
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 16.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 10.88 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095839.D
Acq: 10 Jun 2017 00:43

Tgt Ion:252 Resp: 75140
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.5 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.46 ng

RT: 21.18 min Scan# 3331

Delta R.T. -0.02 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

PIER-56-COMP

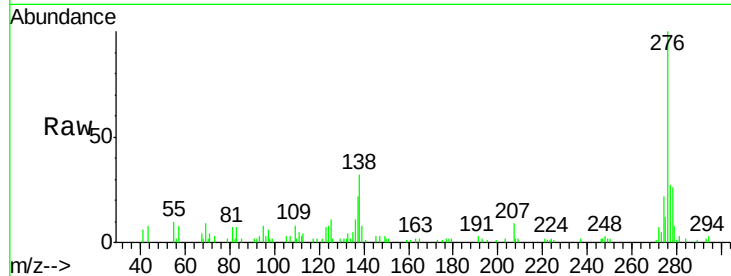
Tgt Ion:278 Resp: 14392

Ion Ratio Lower Upper

278 100

139 32.4 16.6 24.8#

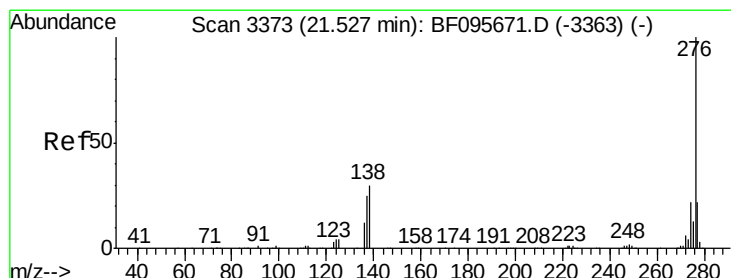
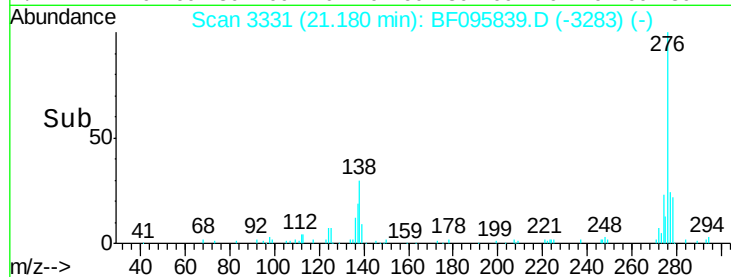
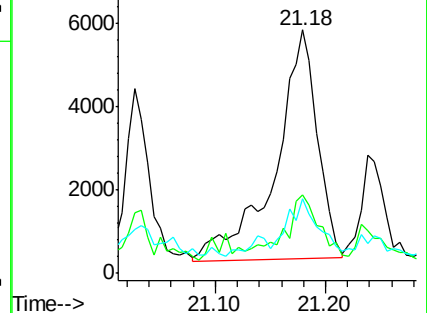
279 30.7 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.79 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095839.D

Acq: 10 Jun 2017 00:43

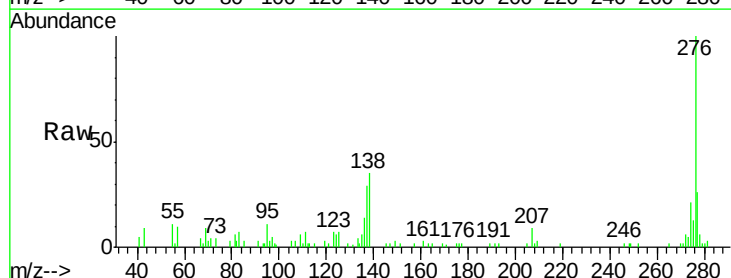
Tgt Ion:276 Resp: 40569

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 35.0 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

