

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095432.D
 Acq On : 25 May 2017 19:51
 Operator : SJ/MA
 Sample : I3347-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 01:14:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

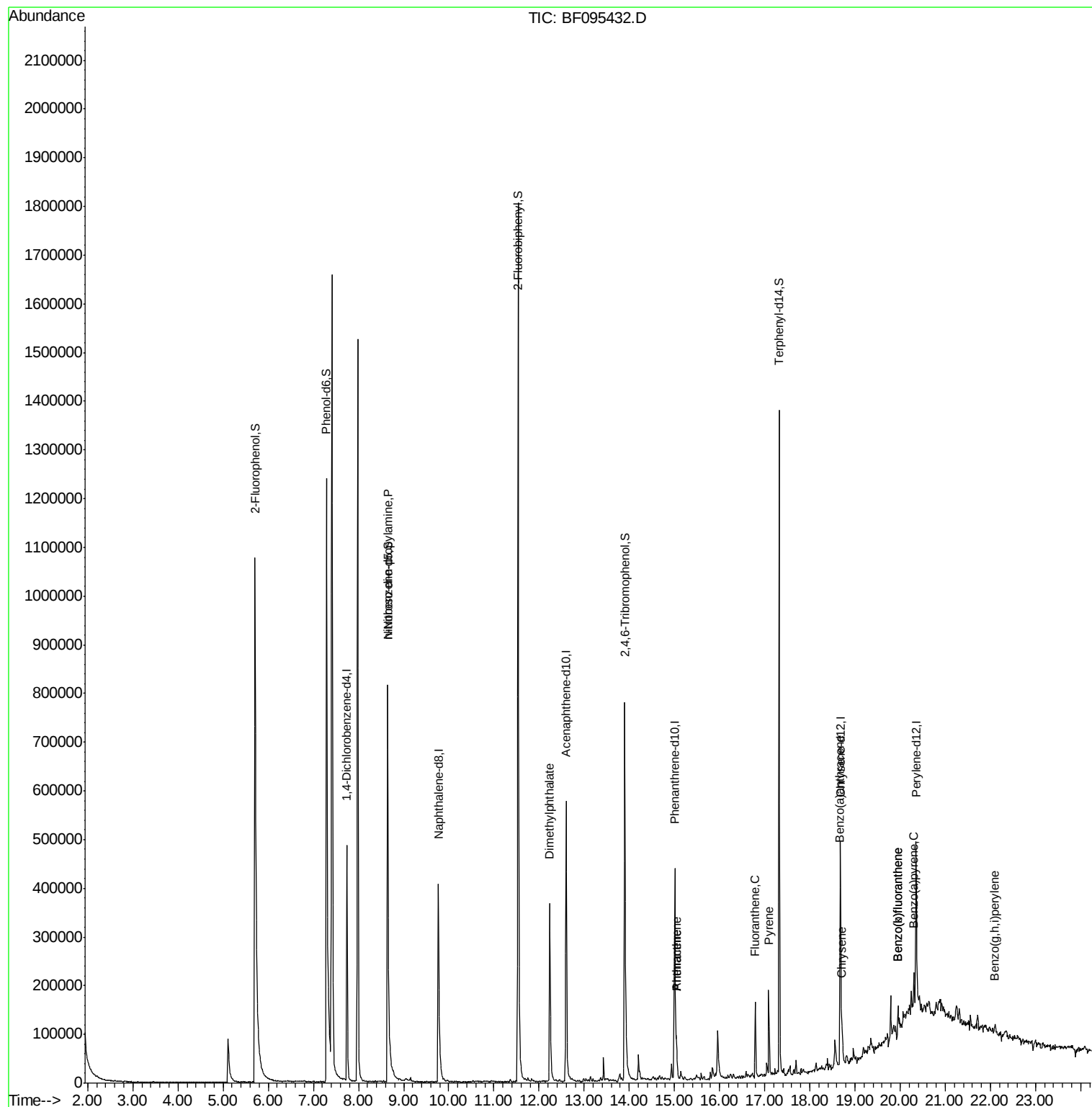
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	105042	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	422710	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	184330	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	284340	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	198699	20.00	ng	-0.02
86) Perylene-d12	20.35	264	170385	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	789986	125.39	ng	-0.03
7) Phenol-d6	7.29	99	937729	124.05	ng	-0.02
23) Nitrobenzene-d5	8.65	82	539525	80.48	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	171973	113.92	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	990921	77.38	ng	-0.02
78) Terphenyl-d14	17.32	244	563184	62.43	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	62667	12.26	ng	# 74
49) Dimethylphthalate	12.24	163	294267	19.45	ng	99
70) Phenanthrene	15.05	178	45539	2.79	ng	94
71) Anthracene	15.05	178	45539	2.73	ng	95
74) Fluoranthene	16.79	202	91940	5.49	ng	97
77) Pyrene	17.09	202	90731	6.11	ng	94
80) Benzo(a)anthracene	18.67	228	38454	3.33	ng	94
82) Chrysene	18.71	228	39445	3.53	ng	100
87) Benzo(b)fluoranthene	19.95	252	50999	4.84	ng	# 97
88) Benzo(k)fluoranthene	19.95	252	50999	5.02	ng	99
89) Benzo(a)pyrene	20.31	252	30800	3.17	ng	# 97
91) Benzo(a,h,i)perylene	22.09	276	17119	2.17	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

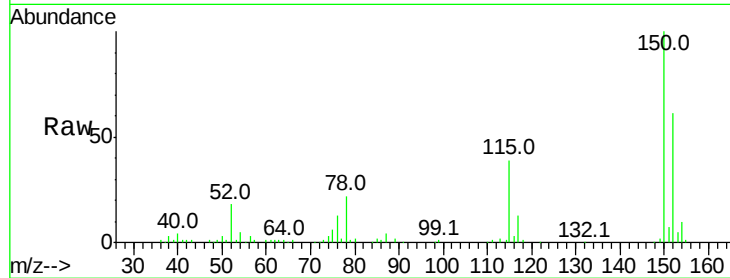
Tot Ion:152 Resp: 105042

Ion Ratio Lower Upper

152 100

150 162.7 126.2 189.2

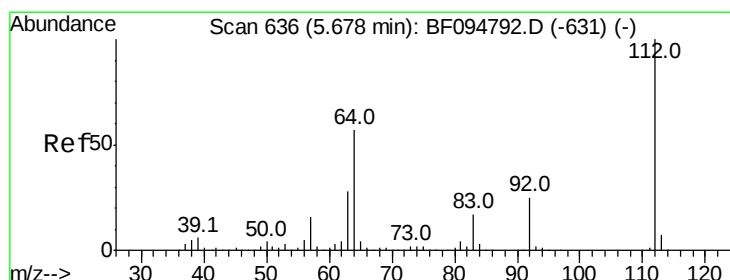
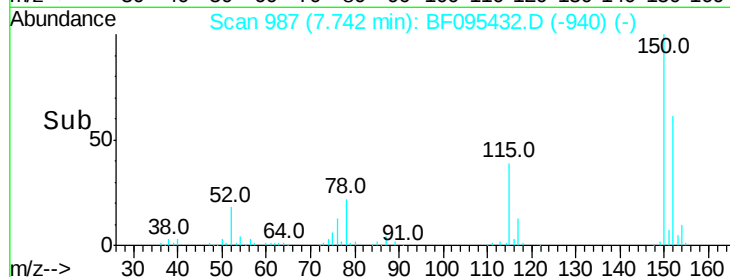
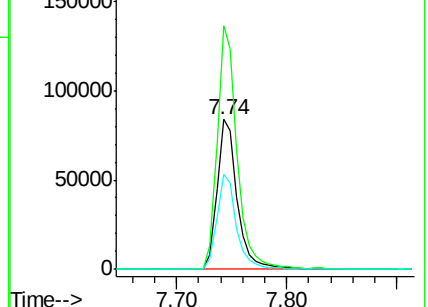
115 63.2 52.2 78.2



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: 125.39 ng

RT: 5.71 min Scan# 641

Delta R.T. -0.03 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

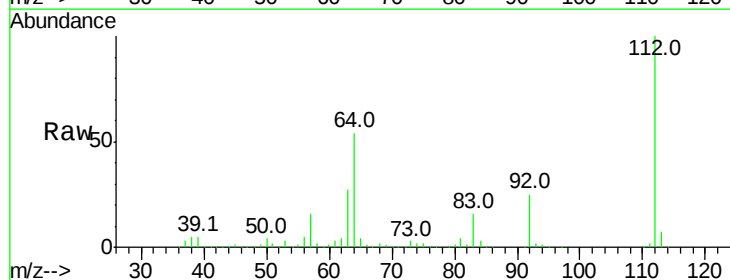
Tgt Ion:112 Resp: 789986

Ion Ratio Lower Upper

112 100

64 54.0 46.0 69.0

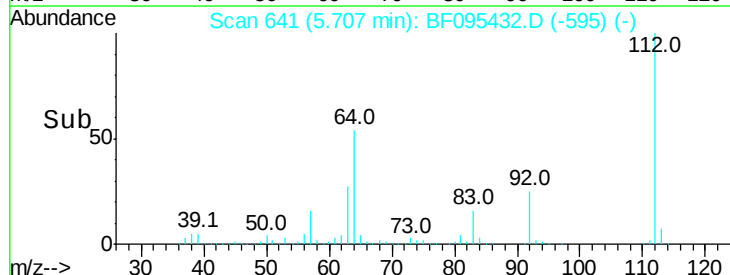
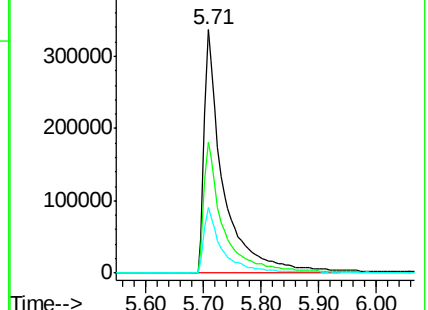
63 27.1 23.4 35.0

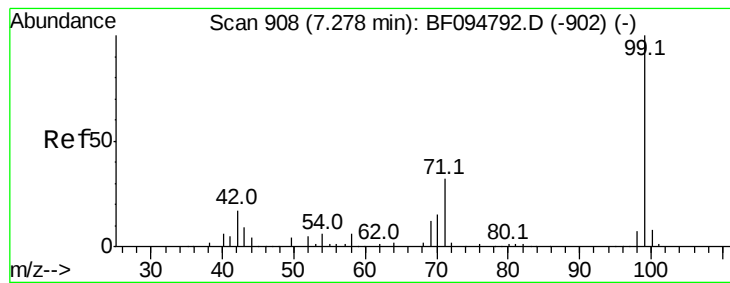


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.05 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

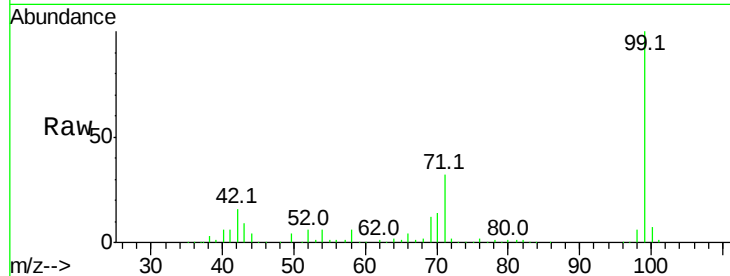
Tot Ion: 99 Resp: 937729

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

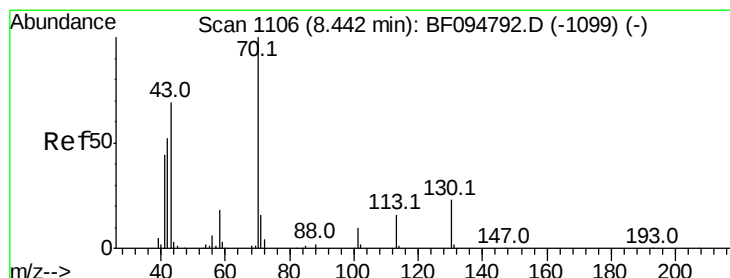
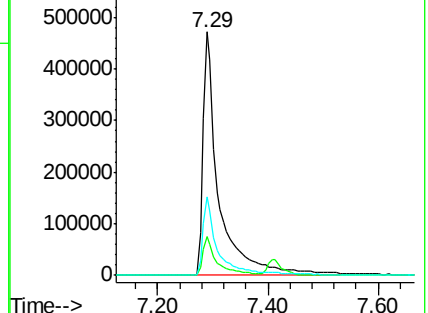
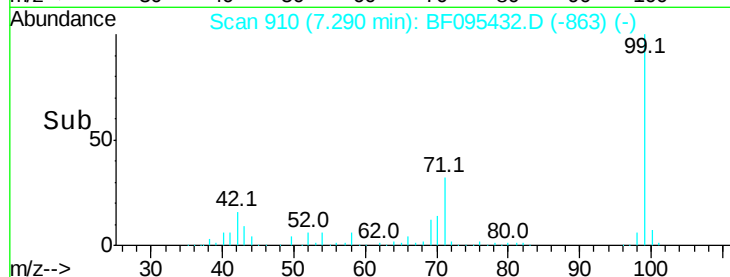
71 32.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.17 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Tgt Ion: 70 Resp: 62667

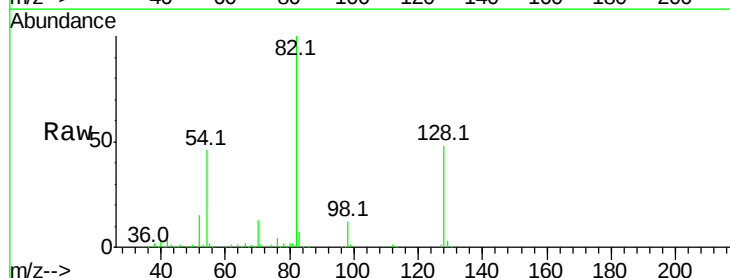
Ion Ratio Lower Upper

70 100

42 42.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

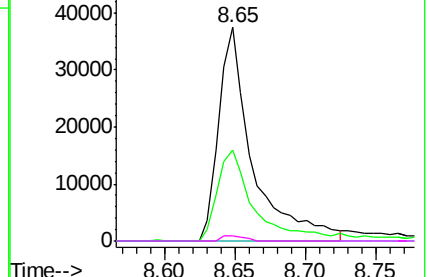
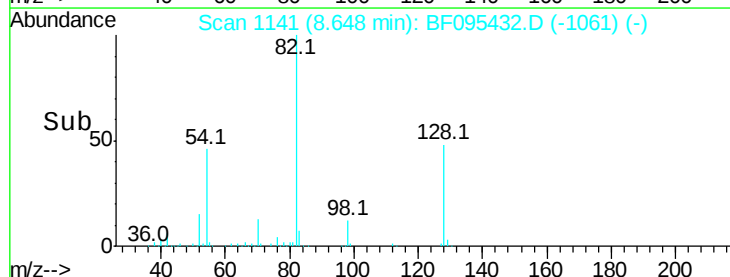


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422710

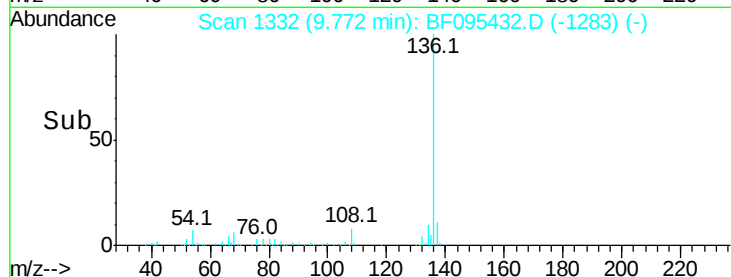
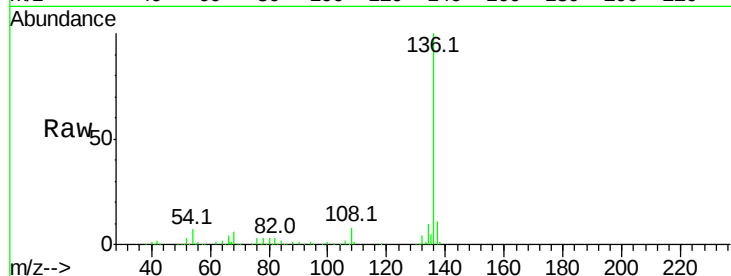
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.5 4.9 7.3

68 5.8 4.1 6.1

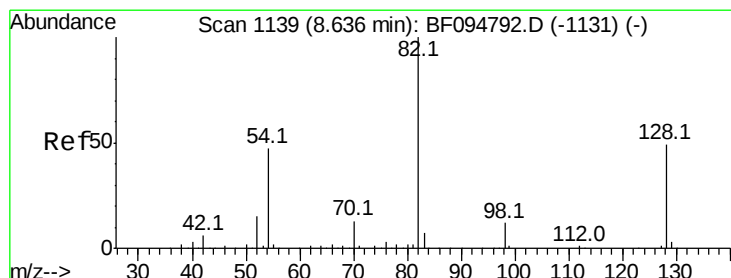
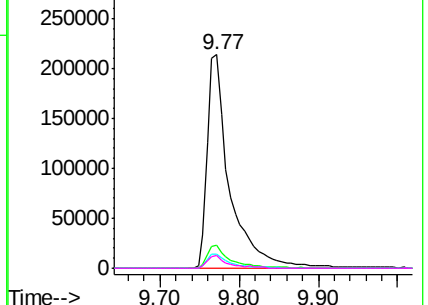


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.48 ng

RT: 8.65 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

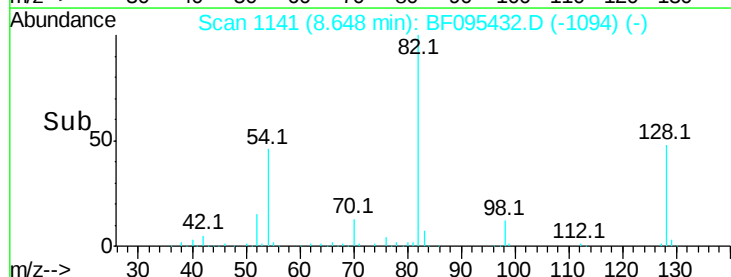
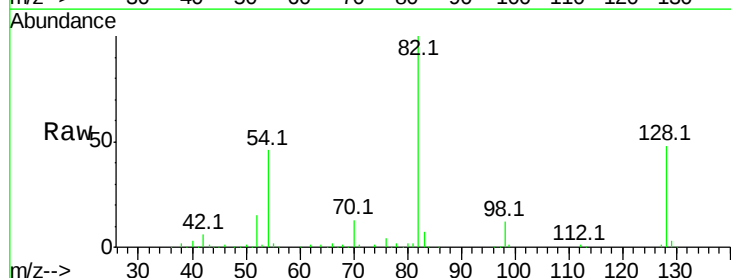
Tgt Ion: 82 Resp: 539525

Ion Ratio Lower Upper

82 100

128 47.9 34.0 51.0

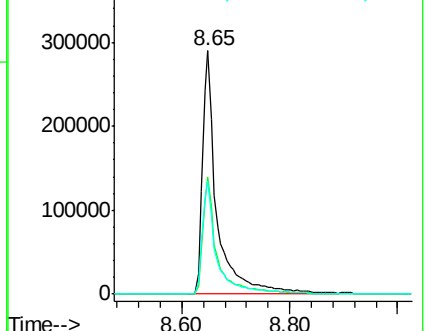
54 46.2 42.2 63.2

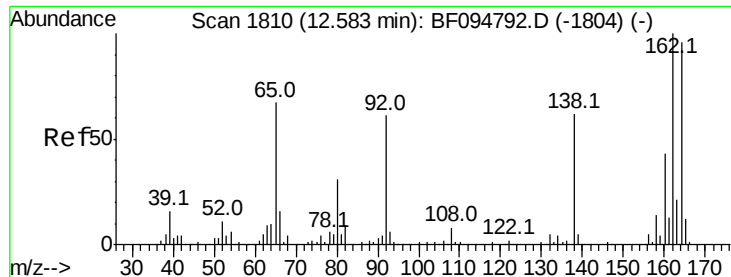


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

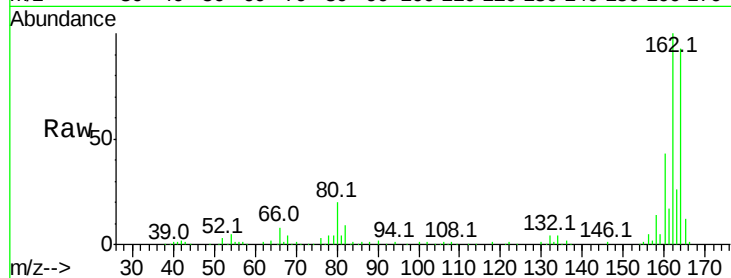
Tot Ion:164 Resp: 184330

Ion Ratio Lower Upper

164 100

162 107.7 82.6 123.8

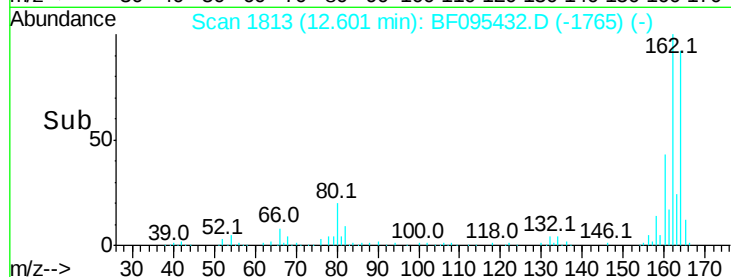
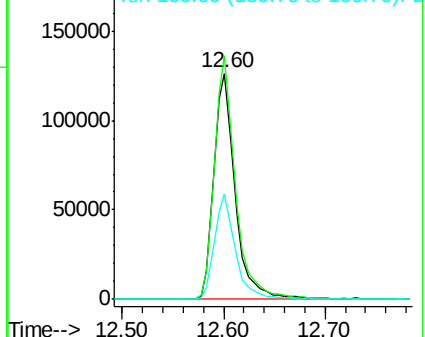
160 46.5 36.2 54.2



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: 113.92 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

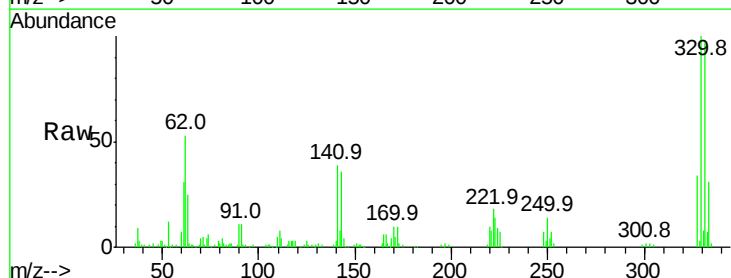
Tgt Ion:330 Resp: 171973

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

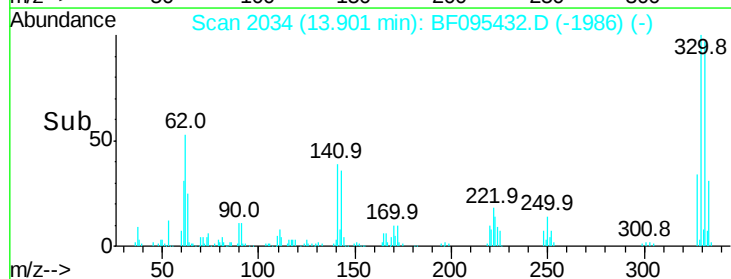
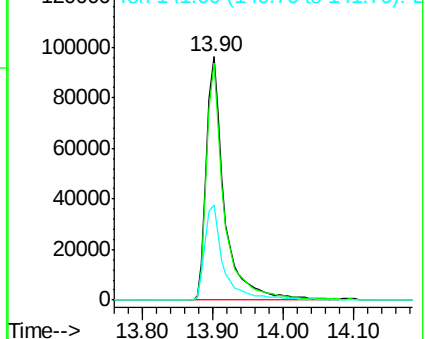
141 40.1 31.4 47.2



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

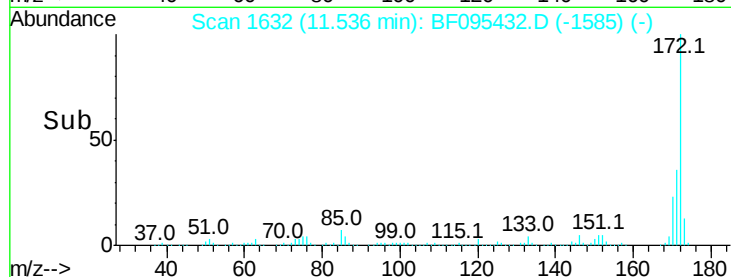
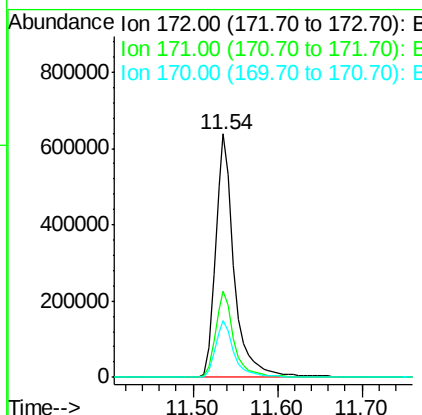
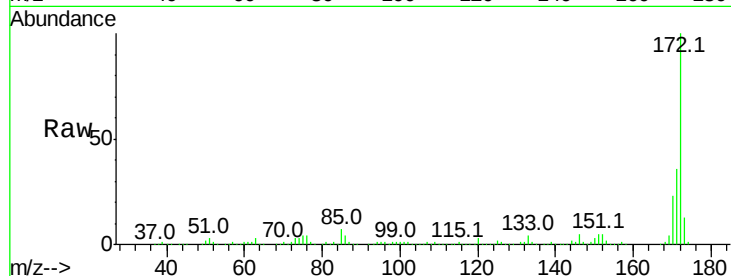




#44
2-Fluorobiphenyl
Concen: 77.38 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

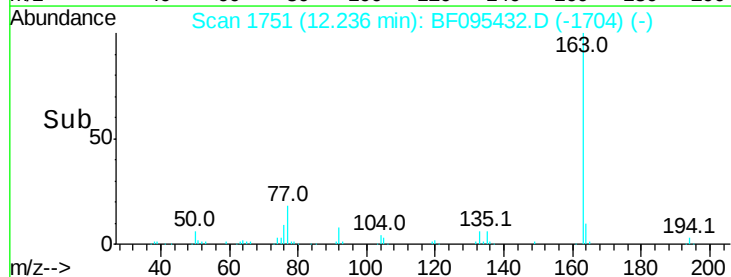
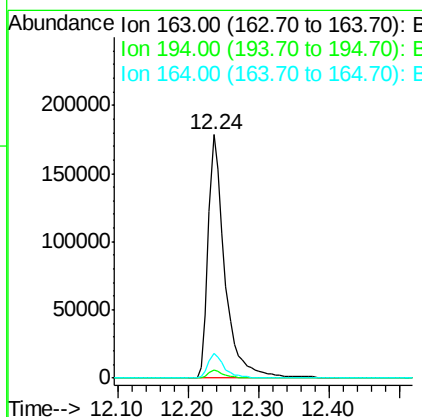
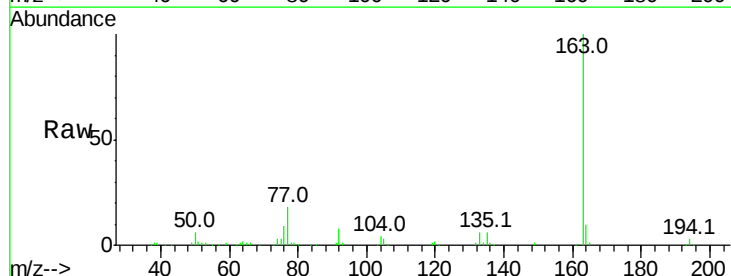
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 990921
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 19.45 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

Tgt Ion:163 Resp: 294267
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

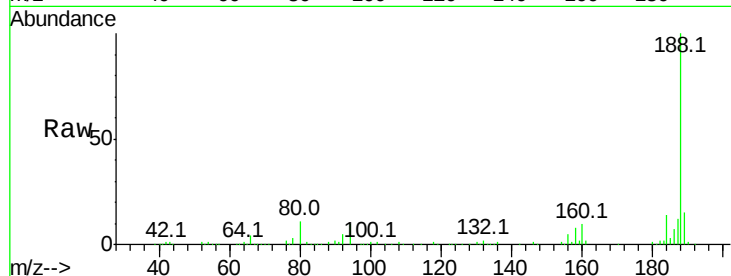
Tot Ion:188 Resp: 284340

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

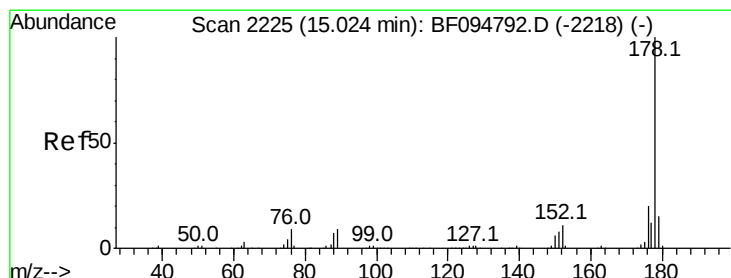
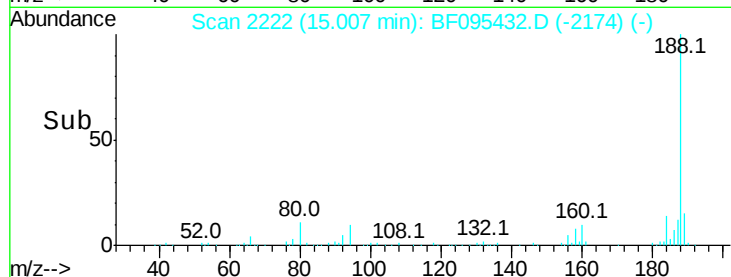
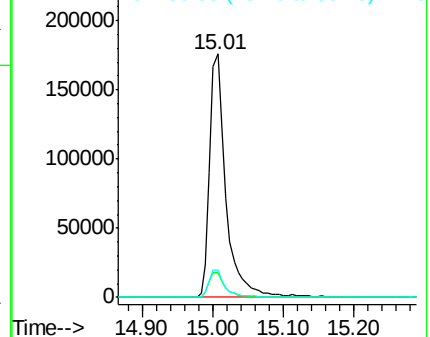
80 11.3 10.2 15.2



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: 2.79 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

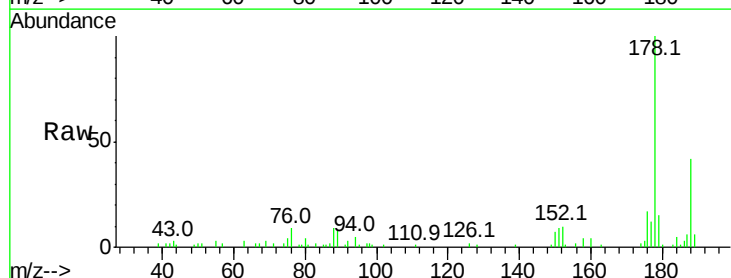
Tgt Ion:178 Resp: 45539

Ion Ratio Lower Upper

178 100

176 16.7 16.2 24.4

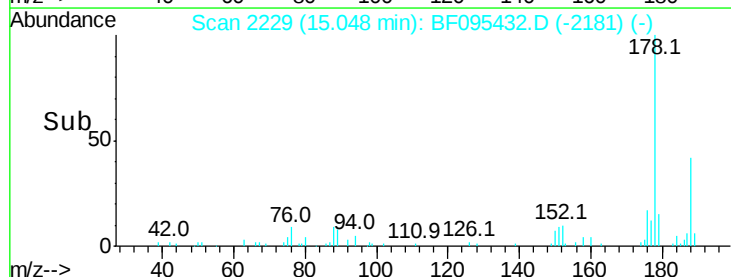
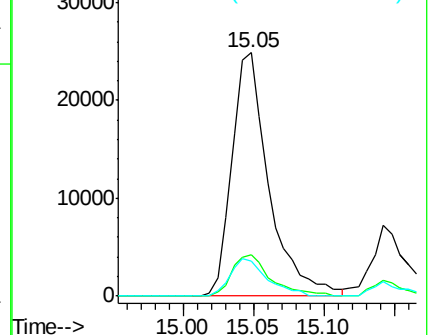
179 14.6 12.6 19.0

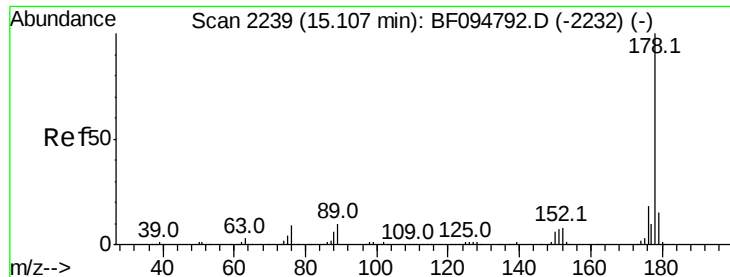


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

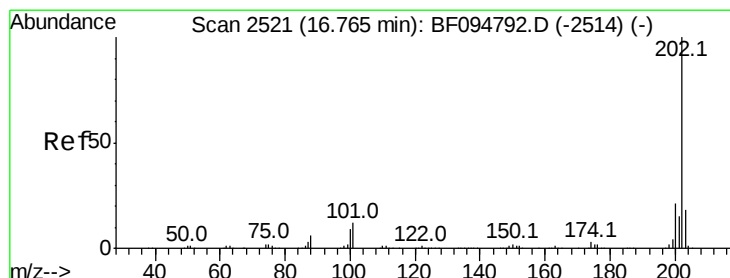
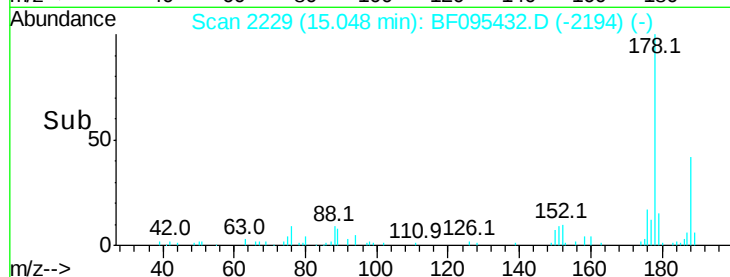
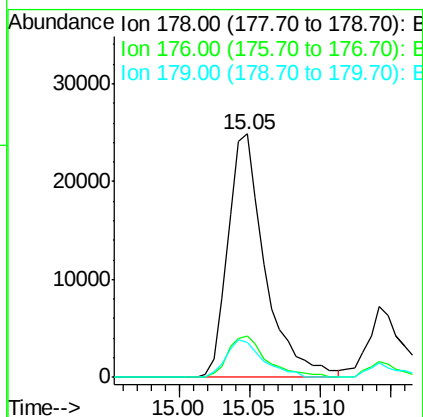
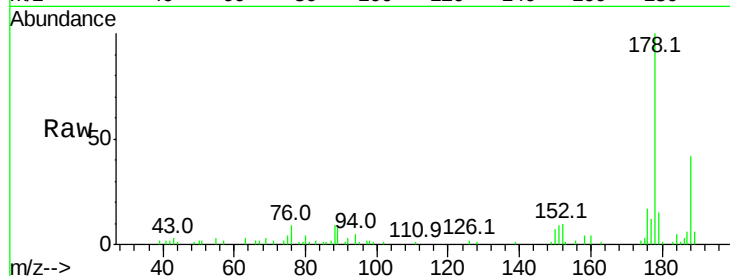




#71
 Anthracene
 Concen: 2.73 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.09 min
 Lab File: BF095432.D
 Acq: 25 May 2017 19:51

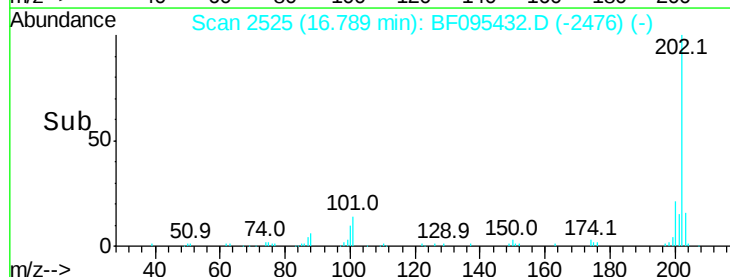
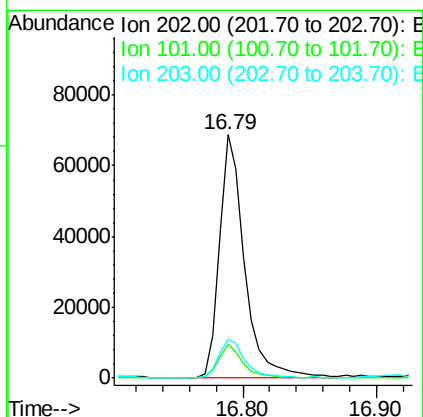
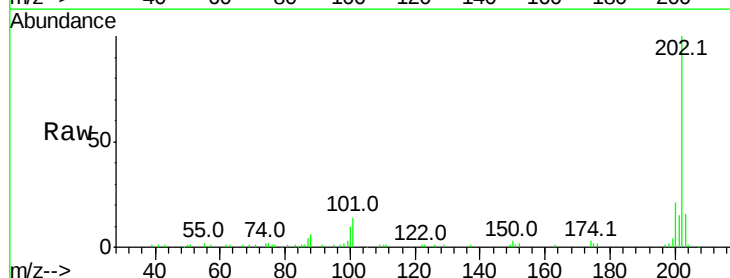
Instrument :
 BNA_F
 ClientSampleId :

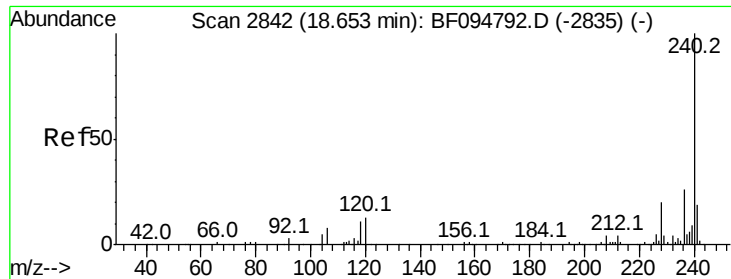
Tot Ion:178 Resp: 45539
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.8 23.8
 179 14.6 12.7 19.1



#74
 Fluoranthene
 Concen: 5.49 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095432.D
 Acq: 25 May 2017 19:51

Tgt Ion:202 Resp: 91940
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 16.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

Instrument :

BNA_F

ClientSampleId :

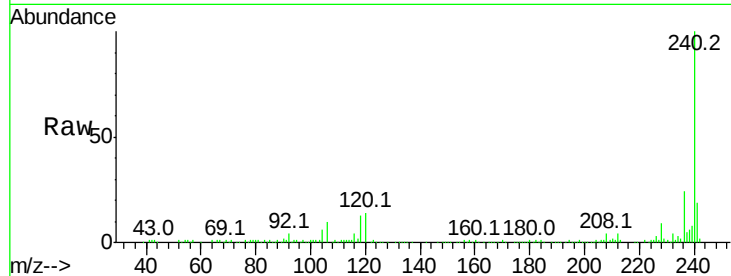
Tot Ion:240 Resp: 198699

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

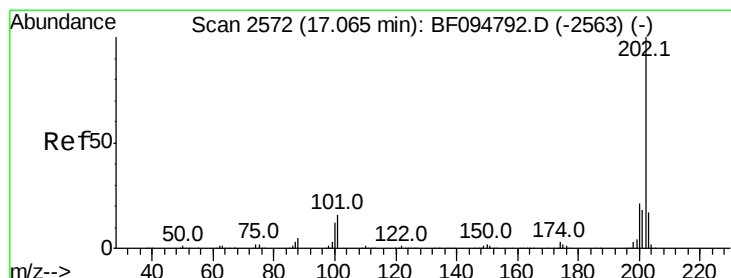
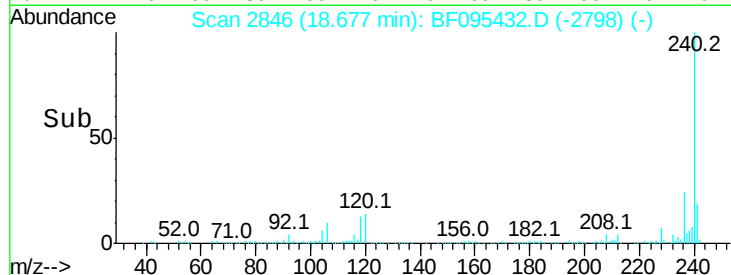
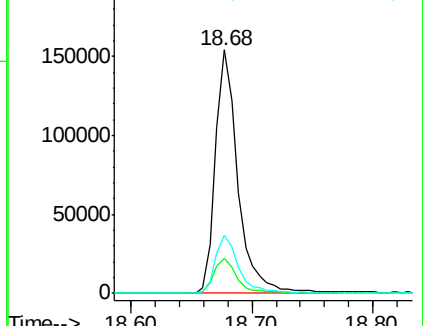
236 23.7 20.5 30.7



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



#77

Pyrene

Concen: 6.11 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095432.D

Acq: 25 May 2017 19:51

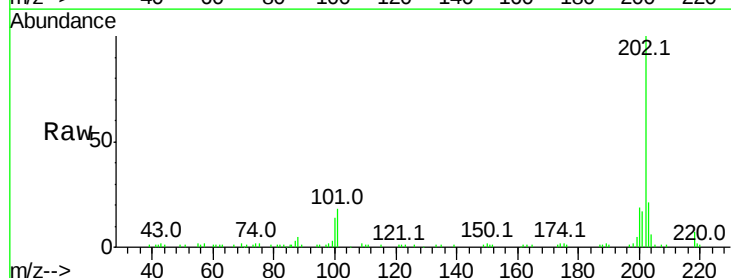
Tgt Ion:202 Resp: 90731

Ion Ratio Lower Upper

202 100

200 19.2 17.6 26.4

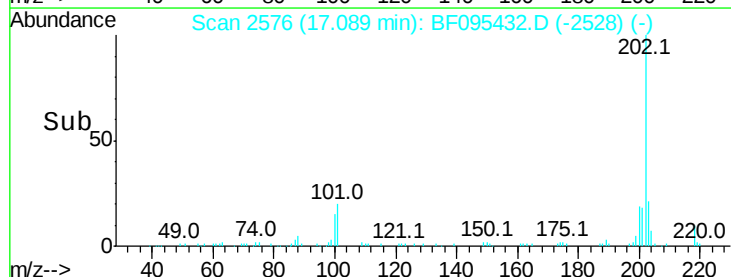
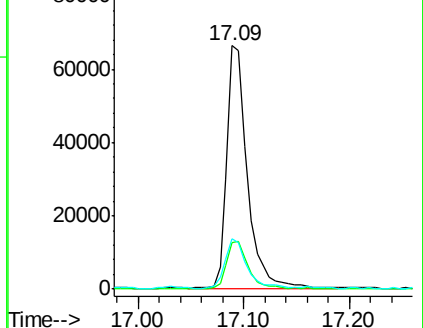
203 20.7 14.4 21.6



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

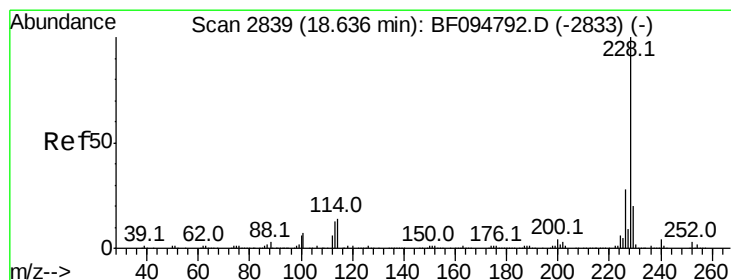
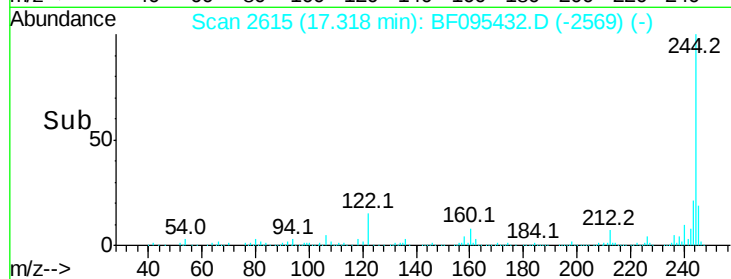
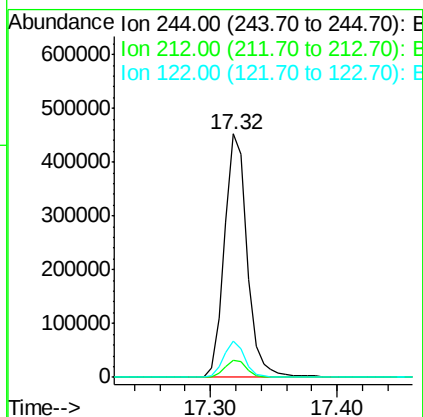
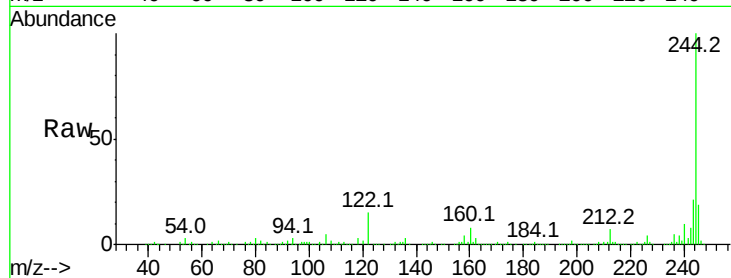




#78
 Terphenyl-d14
 Concen: 62.43 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.03 min
 Lab File: BF095432.D
 Acq: 25 May 2017 19:51

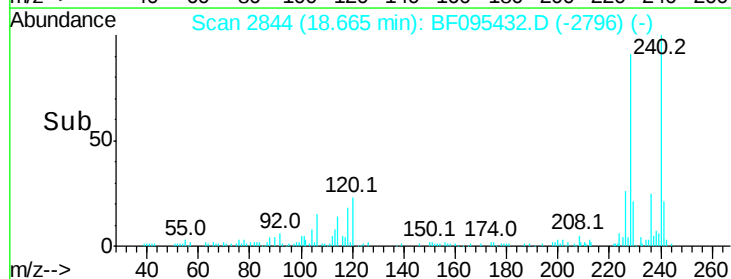
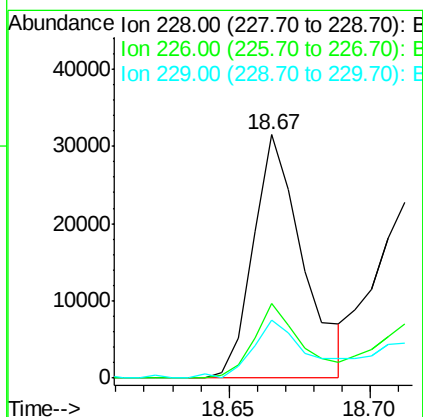
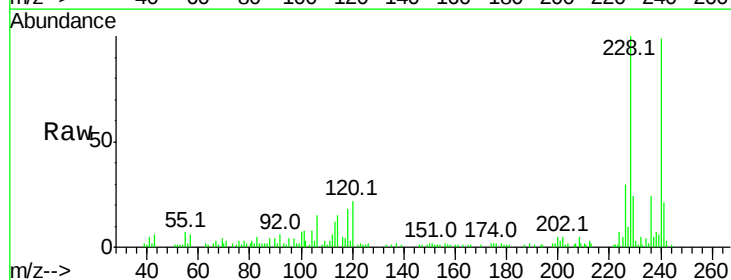
Instrument :
 BNA_F
 ClientSampleId :

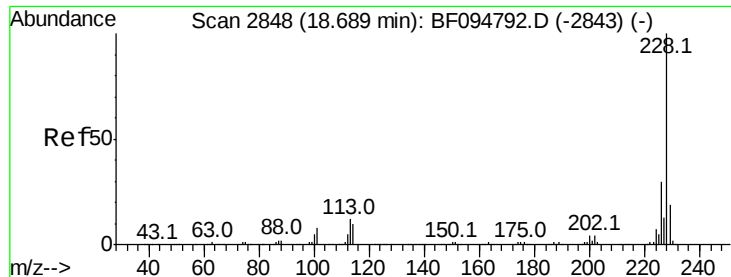
Tot Ion:244 Resp: 563184
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.33 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095432.D
 Acq: 25 May 2017 19:51

Tgt Ion:228 Resp: 38454
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 33.8
 229 24.0 16.3 24.5

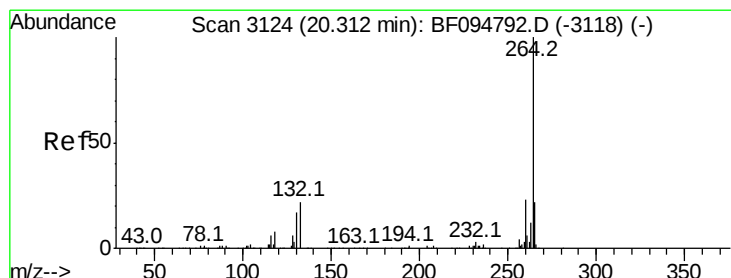
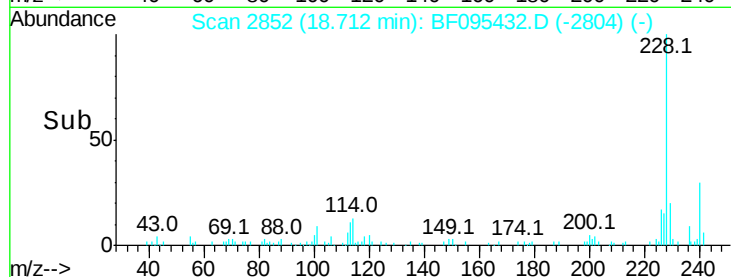
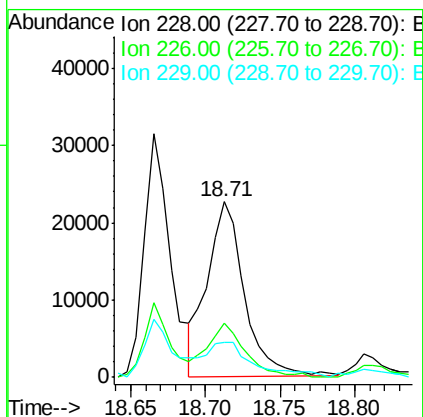
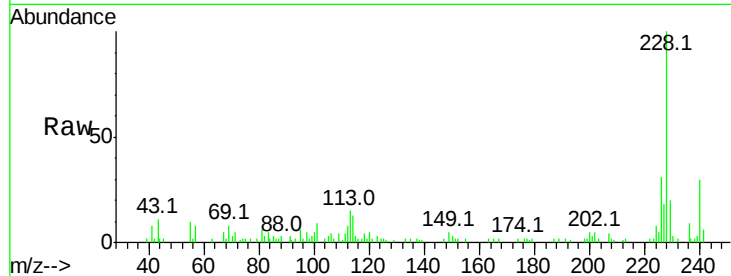




#82
Chrysene
Concen: 3.53 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

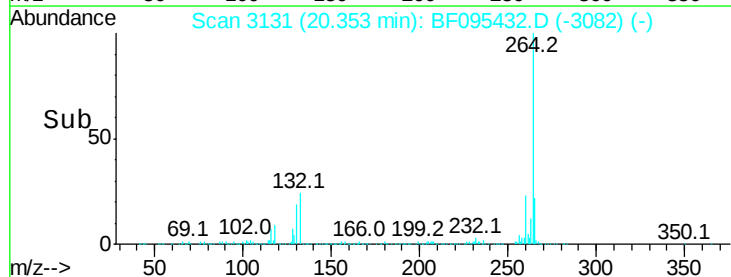
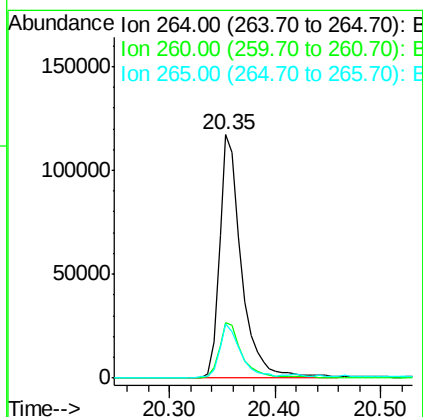
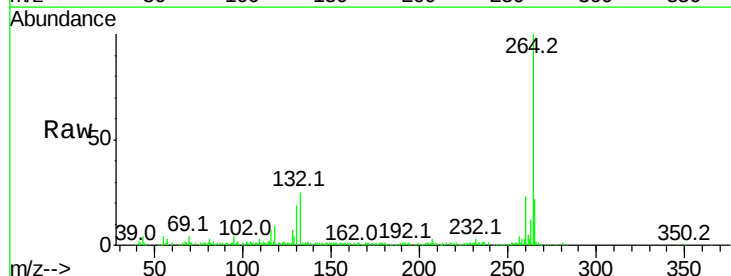
Instrument :
BNA_F
ClientSampleId :

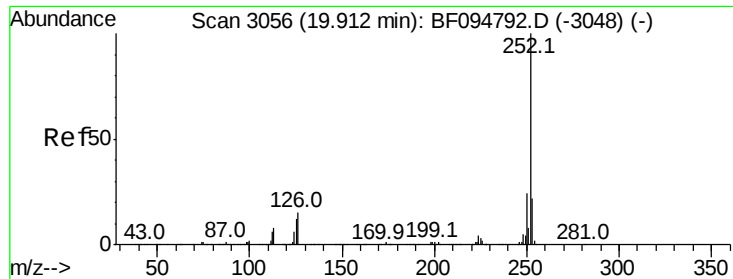
Tot Ion:228 Resp: 39445
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 19.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

Tgt Ion:264 Resp: 170385
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 22.3 17.2 25.8

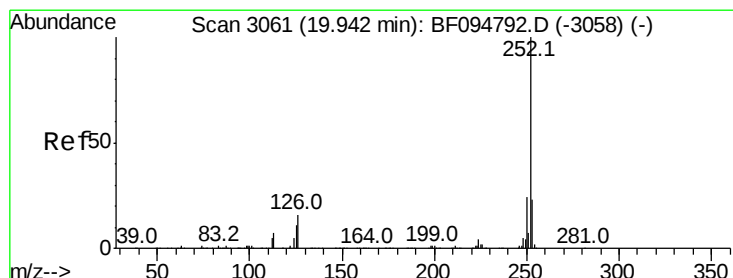
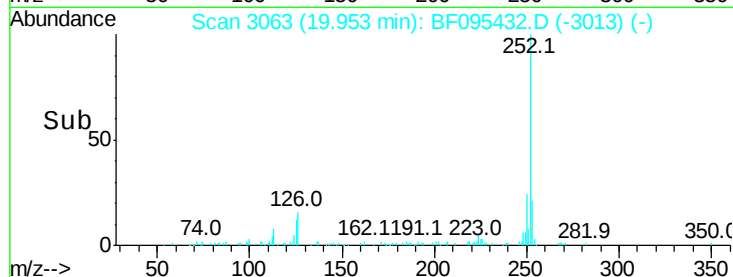
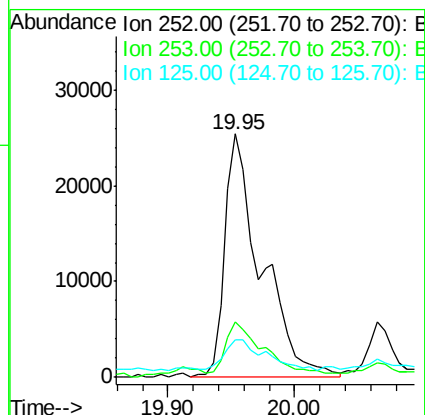
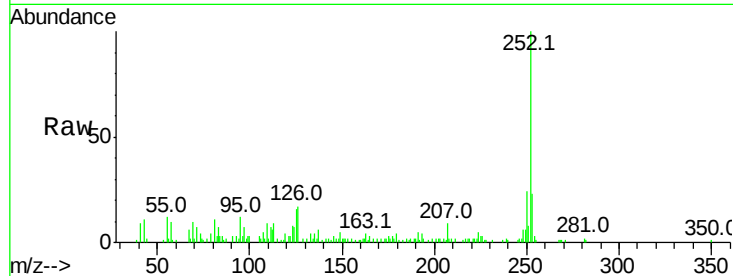




#87
Benzo(b)fluoranthene
Concen: 4.84 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

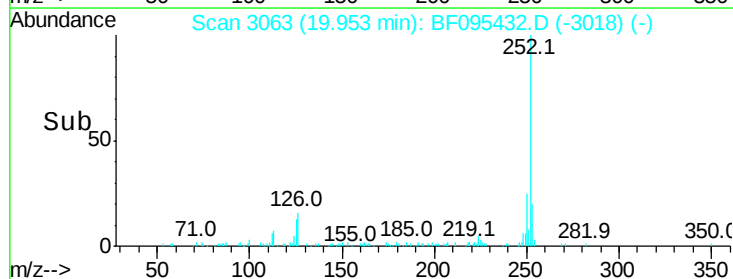
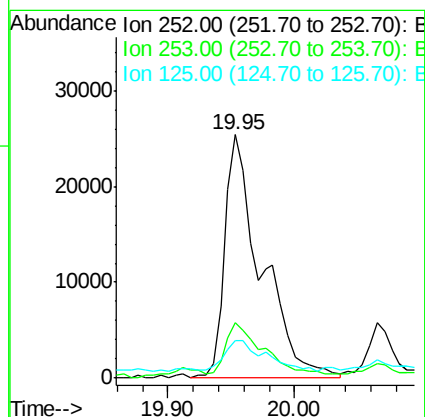
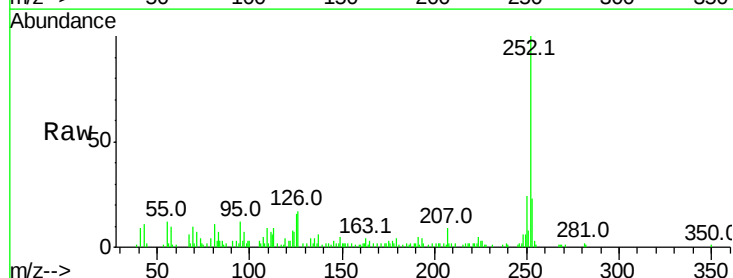
Instrument :
BNA_F
ClientSampleId :

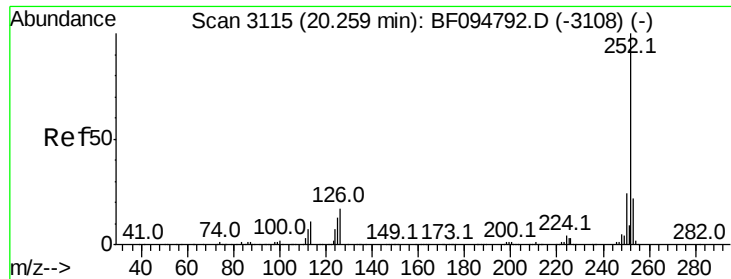
Tot Ion:252 Resp: 50999
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 15.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.02 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

Tgt Ion:252 Resp: 50999
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 15.6 13.1 19.7

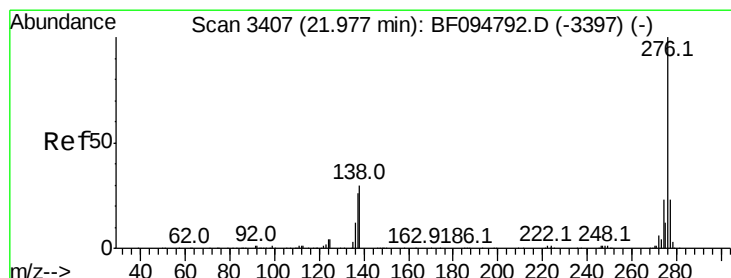
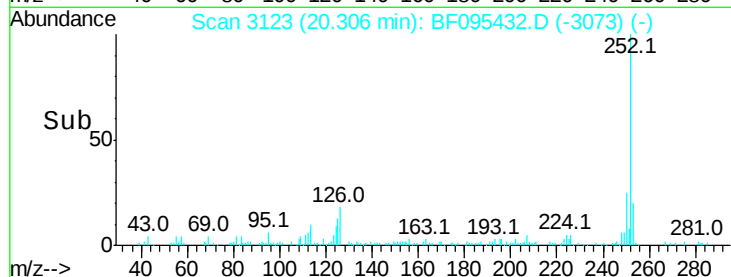
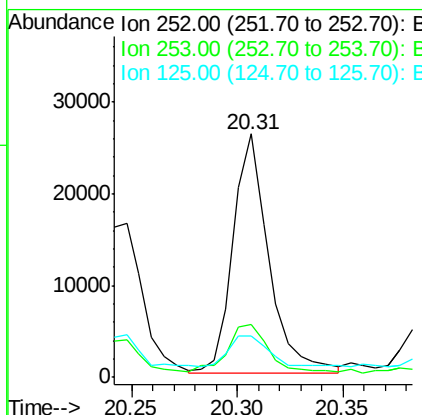
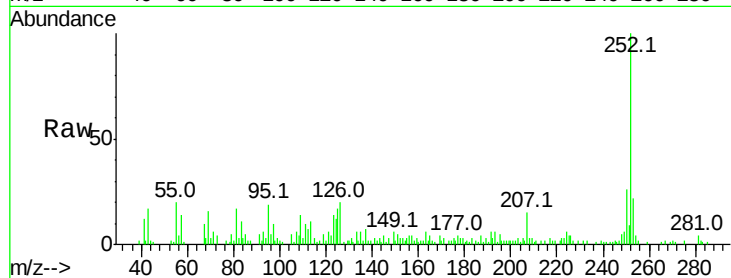




#89
Benzo(a)pyrene
Concen: 3.17 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30800
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 16.8 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.17 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.01 min
Lab File: BF095432.D
Acq: 25 May 2017 19:51

Tgt Ion:276 Resp: 17119
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 40.1 25.4 38.0#

