

Data Path : Z:\HPCHEM1\BNA F\Data\BF051817\
 Data File : BF095262.D
 Acq On : 19 May 2017 13:10
 Operator : SJ/MA
 Sample : I3186-05 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 15:08:17 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

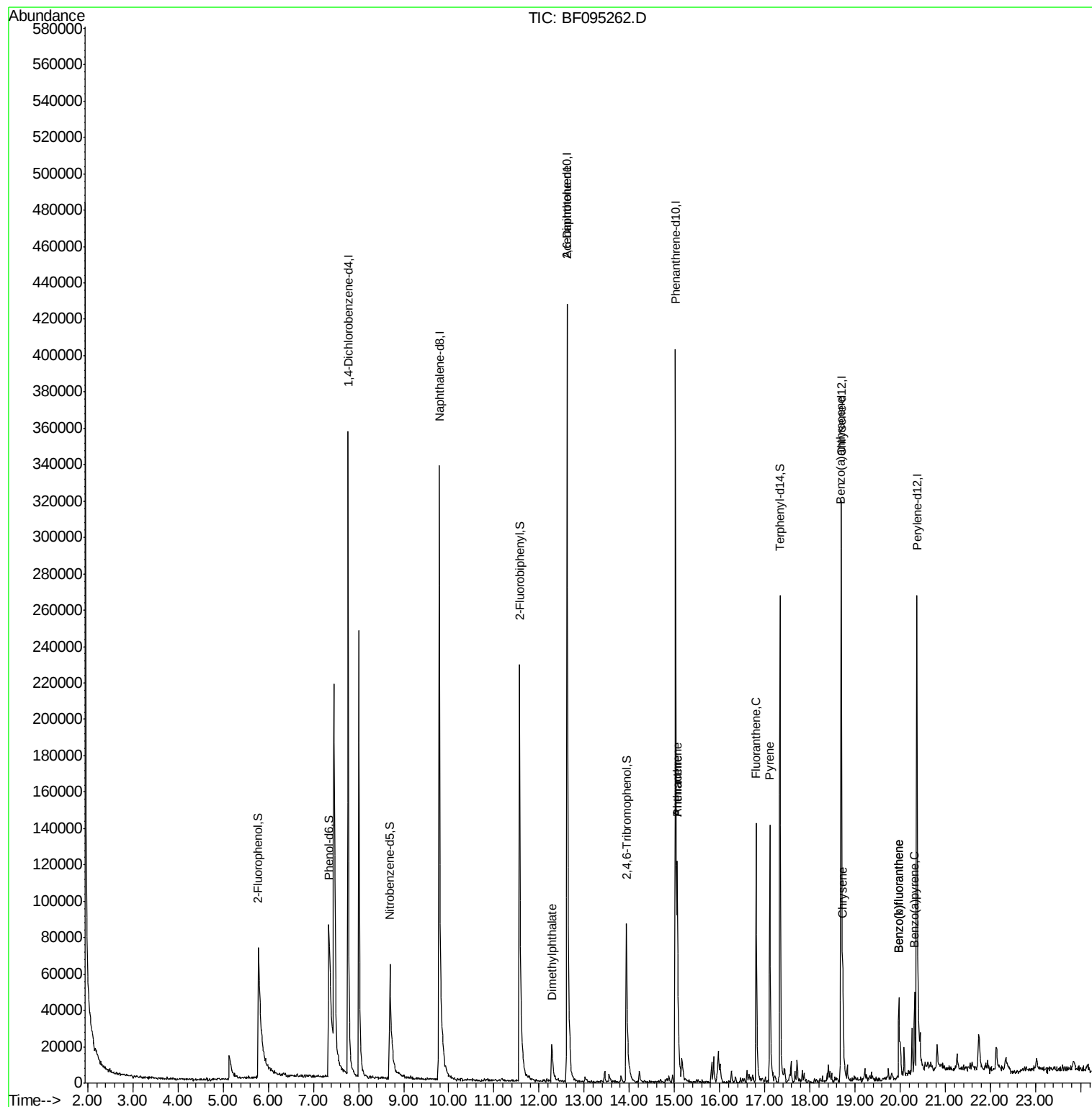
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	93250	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	361975	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	175249	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	272271	20.00	ng	0.00
75) Chrysene-d12	18.69	240	170730	20.00	ng	0.00
86) Perylene-d12	20.37	264	164602	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	109008	19.49	ng	0.05
7) Phenol-d6	7.34	99	154714	23.05	ng	0.03
23) Nitrobenzene-d5	8.70	82	79027	13.77	ng	0.02
41) 2,4,6-Tribromophenol	13.94	330	27195	18.95	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	192435	15.80	ng	0.00
78) Terphenyl-d14	17.34	244	129749	16.74	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.28	163	33127	2.30	ng	# 96
50) 2,6-Dinitrotoluene	12.62	165	17165	5.85	ng	# 31
70) Phenanthrene	15.07	178	72502	4.63	ng	97
71) Anthracene	15.07	178	72502	4.54	ng	97
74) Fluoranthene	16.81	202	102024	6.36	ng	99
77) Pyrene	17.11	202	92168	7.22	ng	96
80) Benzo(a)anthracene	18.68	228	25264	2.54	ng	99
82) Chrysene	18.73	228	30778	3.20	ng	96
87) Benzo(b)fluoranthene	19.98	252	40559	3.99	ng	97
88) Benzo(k)fluoranthene	19.98	252	40559	4.13	ng	96
89) Benzo(a)pyrene	20.32	252	22620	2.41	ng	# 93

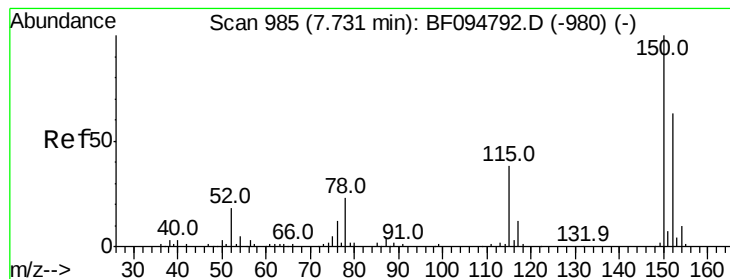
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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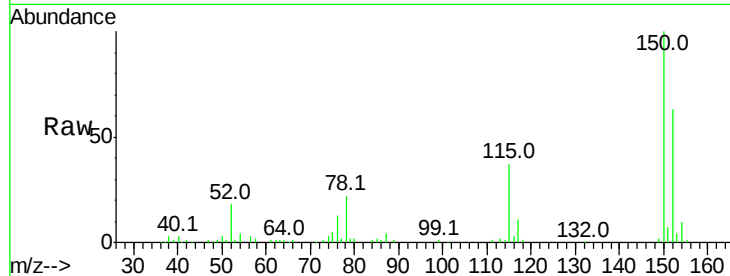


#1

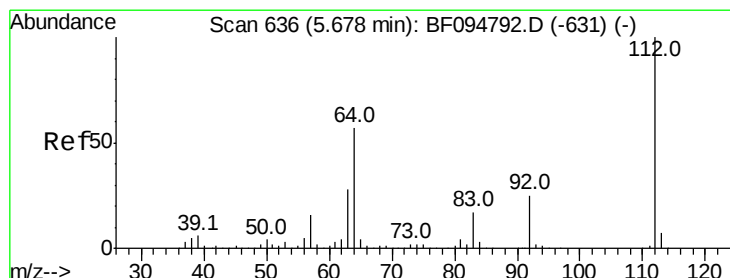
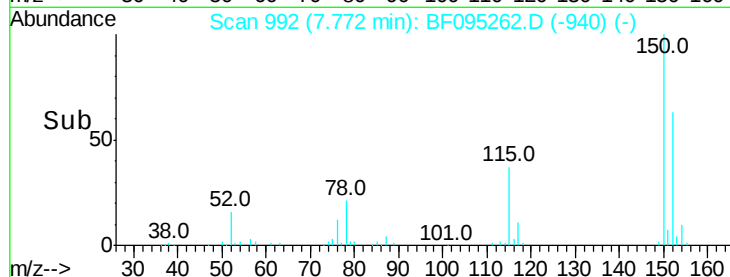
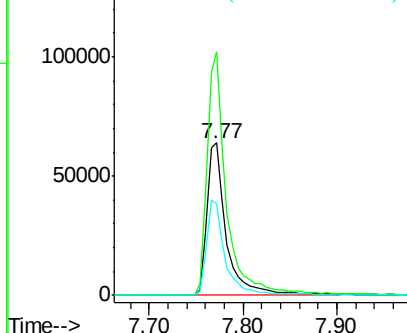
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095262.D
Acq: 19 May 2017 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93250
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 59.4 52.2 78.2



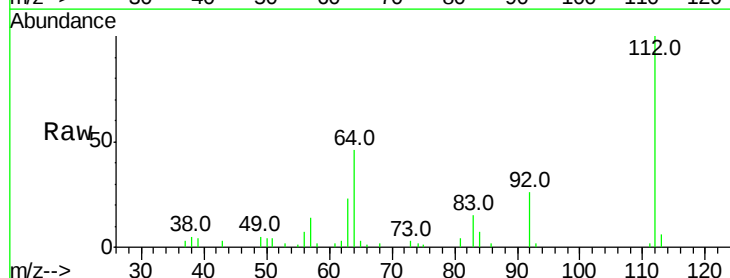
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



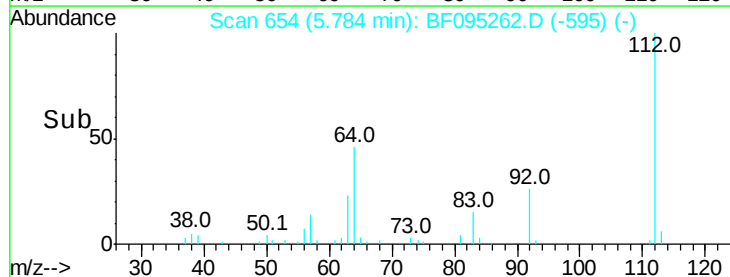
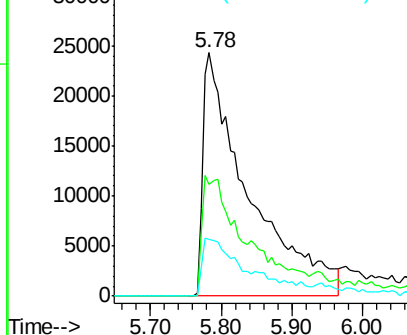
#5

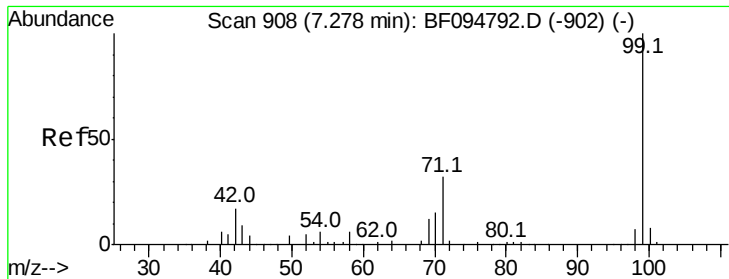
2-Fluorophenol
Concen: 19.49 ng
RT: 5.78 min Scan# 654
Delta R.T. 0.05 min
Lab File: BF095262.D
Acq: 19 May 2017 13:10

Tgt Ion:112 Resp: 109008
Ion Ratio Lower Upper
112 100
64 46.1 46.0 69.0
63 23.4 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: 23.05 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.03 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampled :

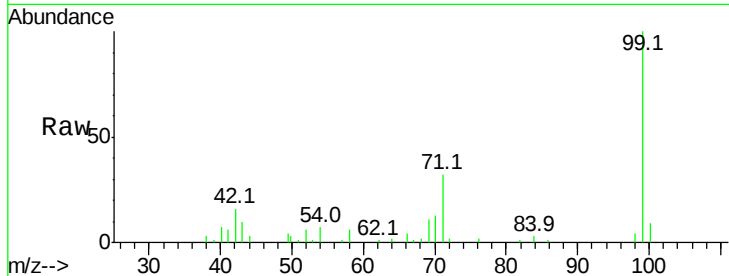
Tot Ion: 99 Resp: 154714

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

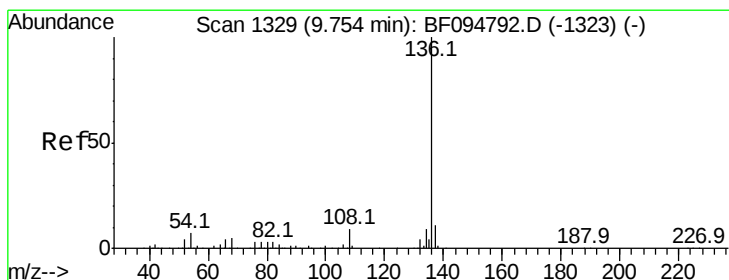
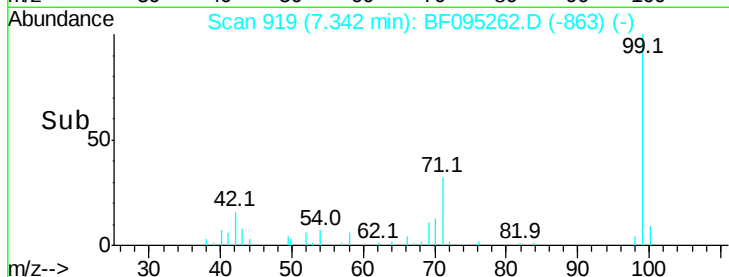
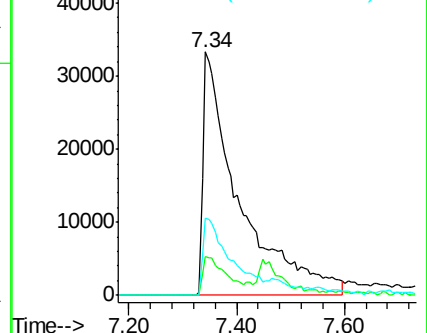
71 31.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Tgt Ion: 136 Resp: 361975

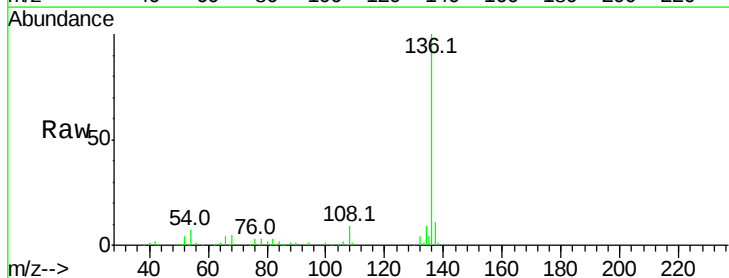
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.5 4.9 7.3

68 5.3 4.1 6.1

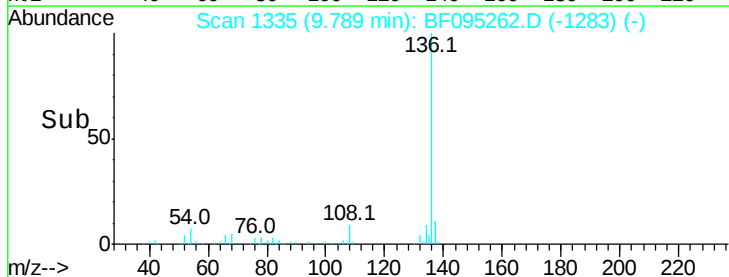
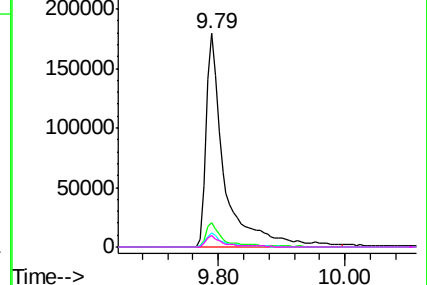


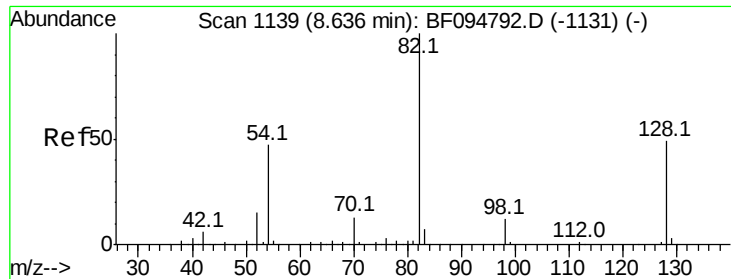
Abundance Ion 136.00 (135.70 to 136.70): E

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

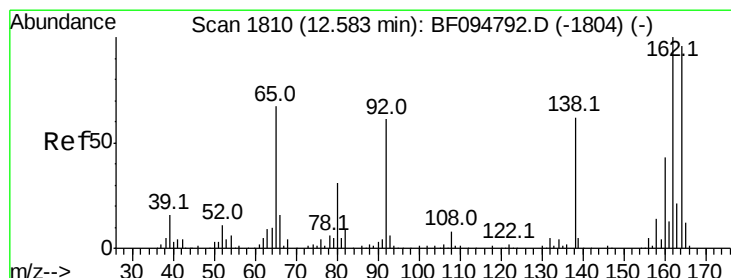
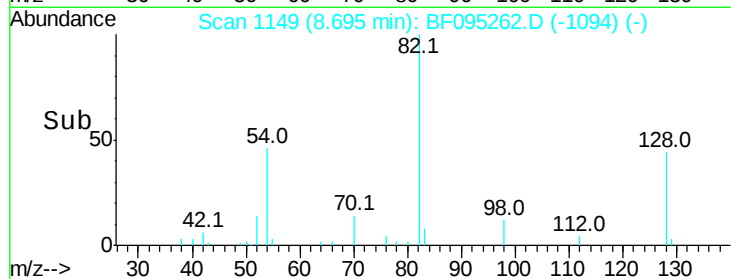
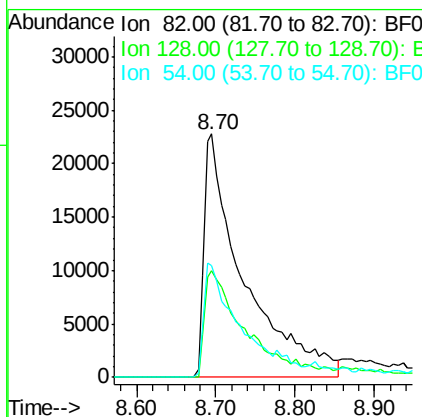
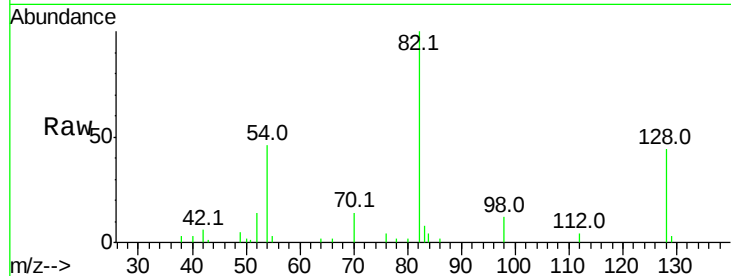




#23
 Nitrobenzene-d5
 Concen: 13.77 ng
 RT: 8.70 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

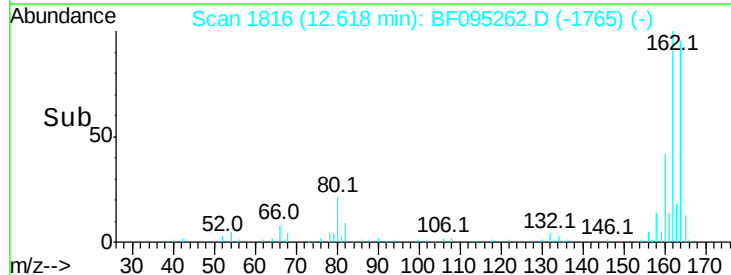
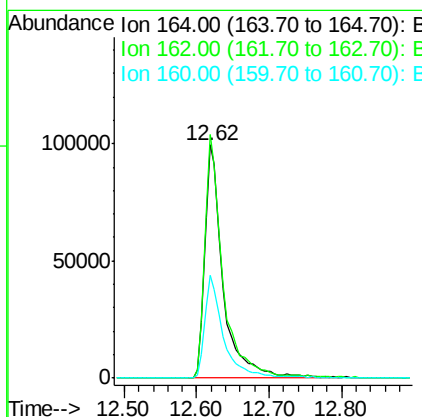
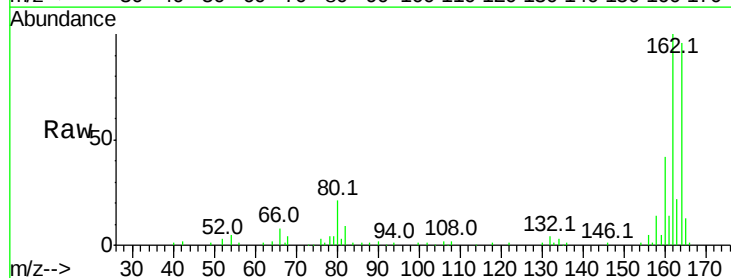
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	79027
Ion Ratio	100	Lower	Upper
128	43.8	34.0	51.0
54	45.8	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Tgt Ion	164	Resp	175249
Ion Ratio	100	Lower	Upper
162	104.4	82.6	123.8
160	44.2	36.2	54.2

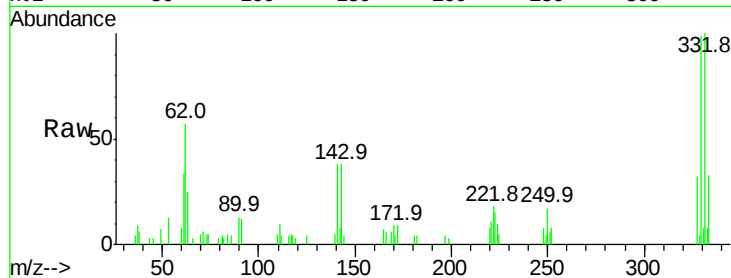




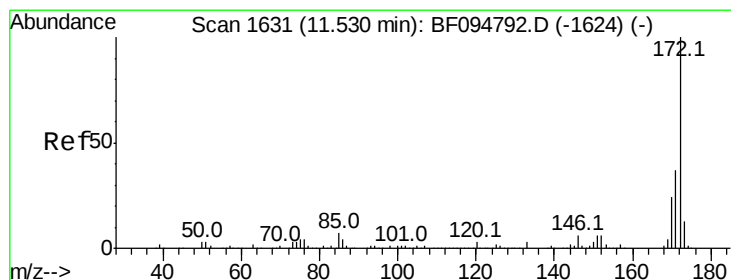
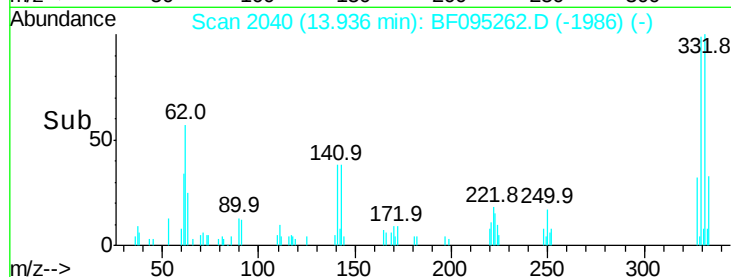
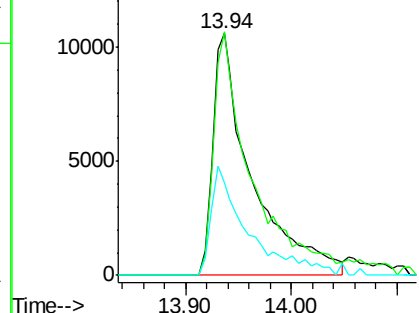
#41
 2,4,6-Tribromophenol
 Concen: 18.95 ng
 RT: 13.94 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 27195
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 42.6 31.4 47.2

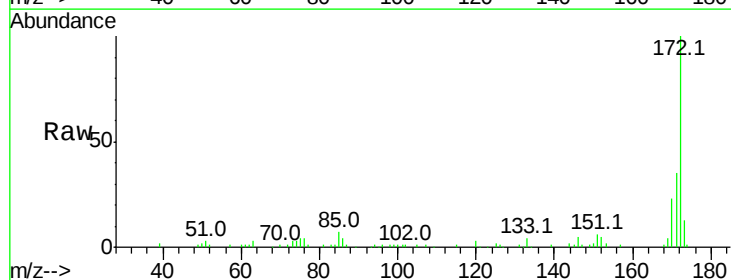


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

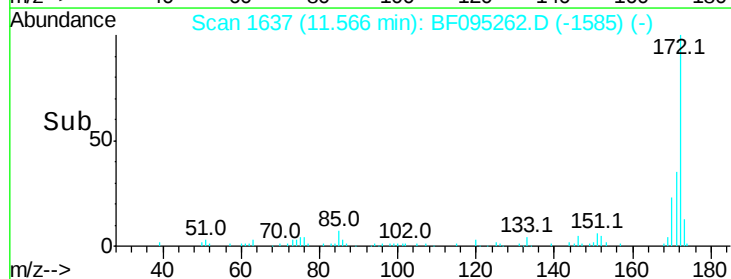
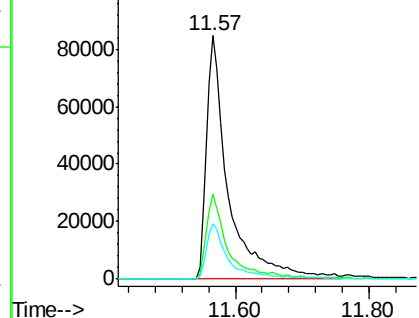


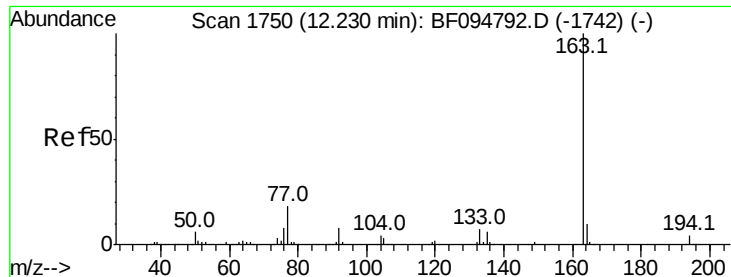
#44
 2-Fluorobiphenyl
 Concen: 15.80 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Tgt Ion:172 Resp: 192435
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 22.6 19.8 29.8



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





#49

Dimethylphthalate

Concen: 2.30 ng

RT: 12.28 min Scan# 1758

Delta R.T. 0.02 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampleId :

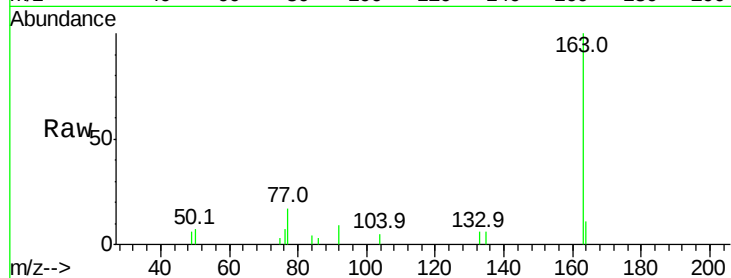
Tot Ion:163 Resp: 33127

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

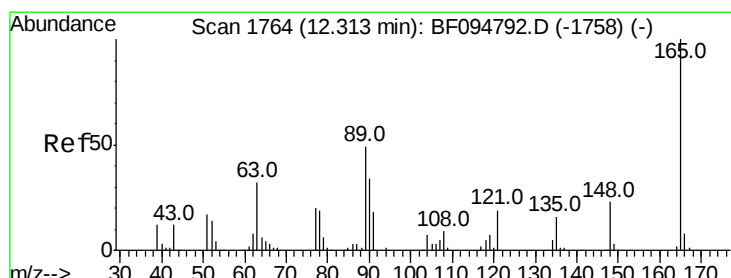
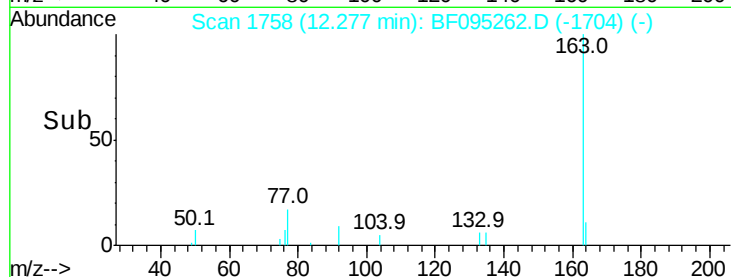
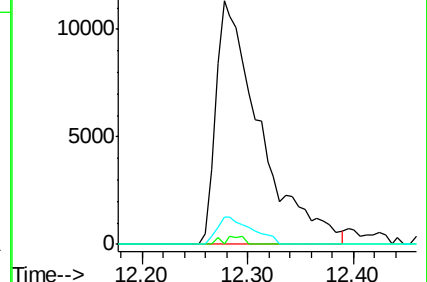
164 11.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 5.85 ng

RT: 12.62 min Scan# 1816

Delta R.T. 0.26 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

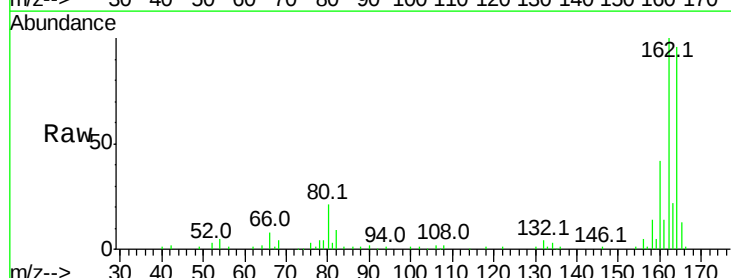
Tgt Ion:165 Resp: 17165

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

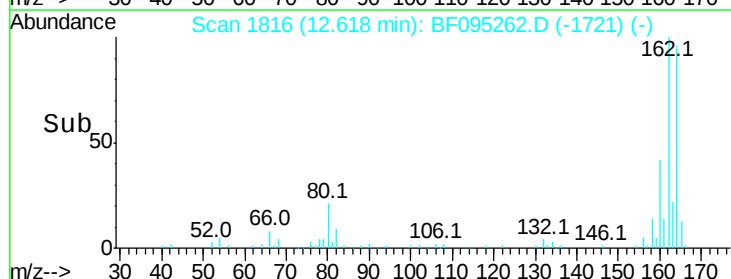
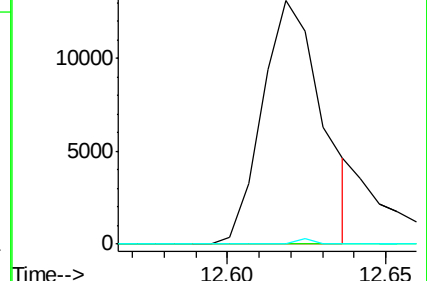
89 0.0 37.1 55.7#

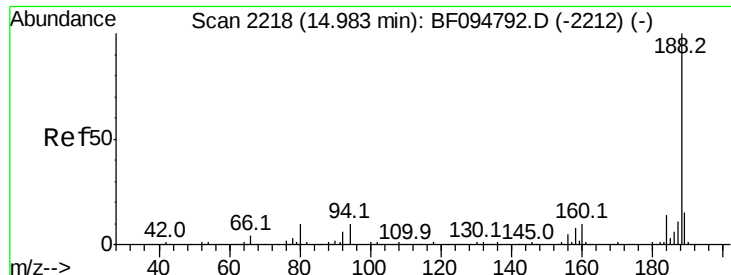


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

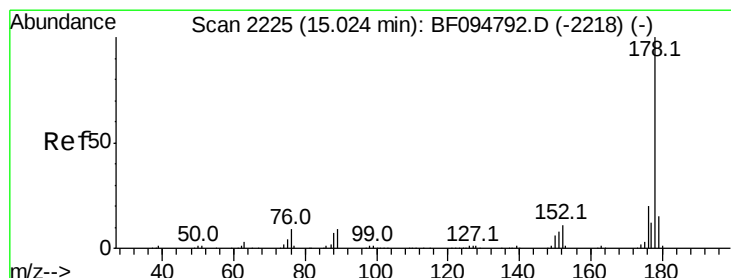
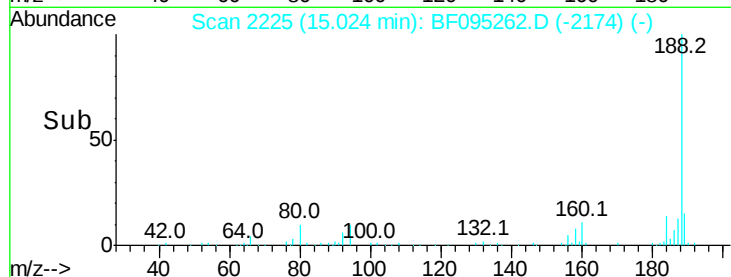
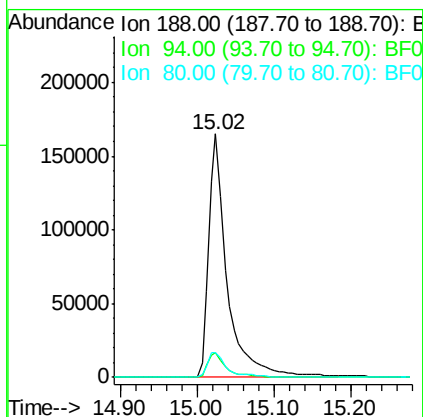
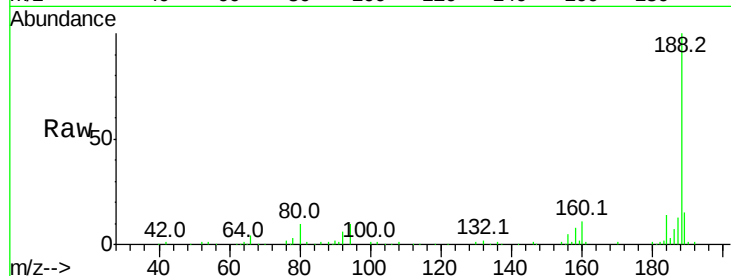




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

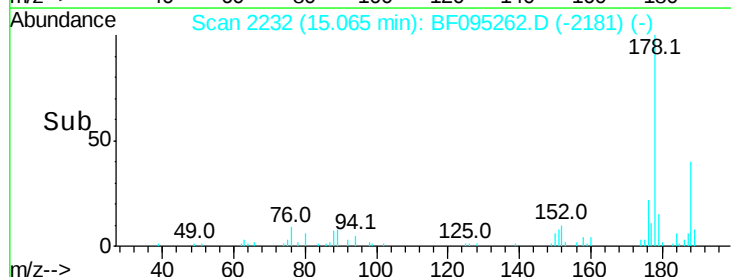
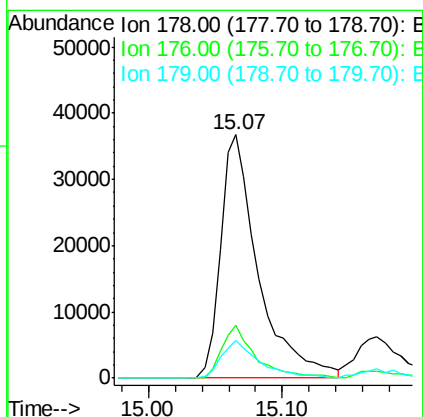
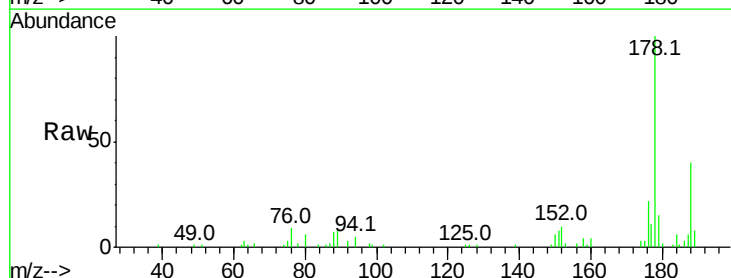
Instrument :
 BNA_F
 ClientSampleId :

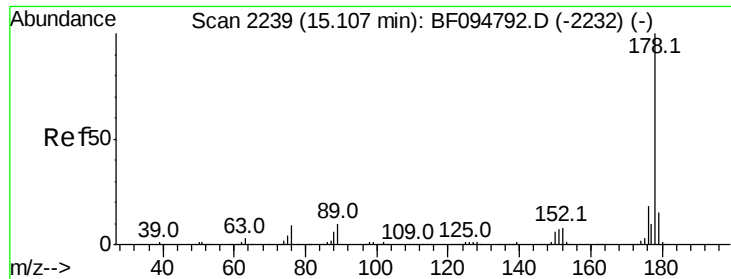
Tot Ion:188 Resp: 272271
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.4 14.2
 80 10.3 10.2 15.2



#70
 Phenanthrene
 Concen: 4.63 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Tgt Ion:178 Resp: 72502
 Ion Ratio Lower Upper
 178 100
 176 21.8 16.2 24.4
 179 15.2 12.6 19.0

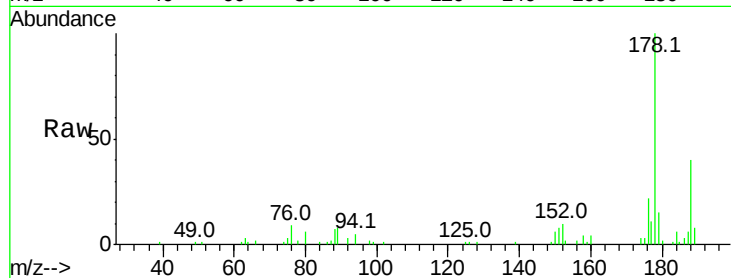




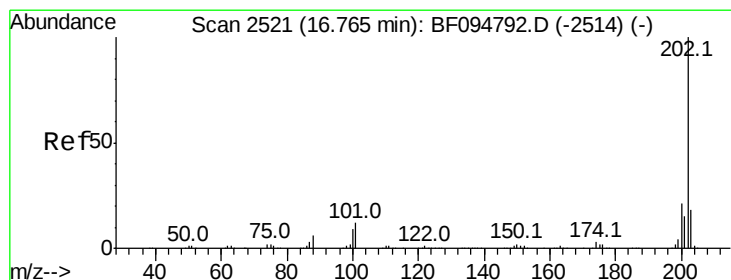
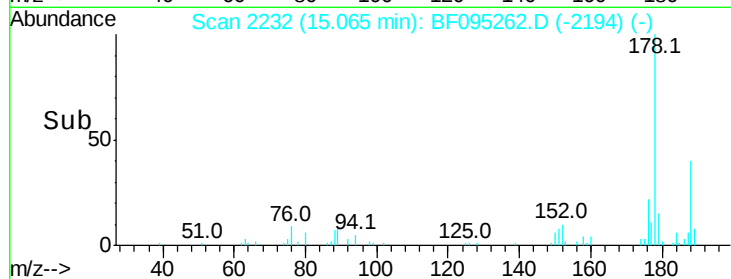
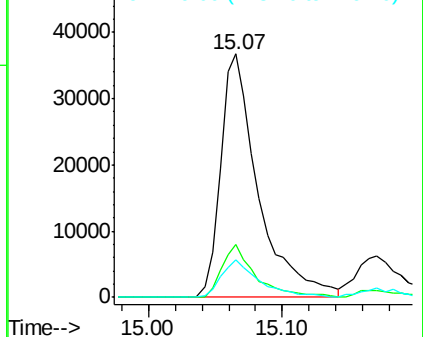
#71
 Anthracene
 Concen: 4.54 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. -0.08 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 72502
 Ion Ratio Lower Upper
 178 100
 176 21.8 15.8 23.8
 179 15.2 12.7 19.1

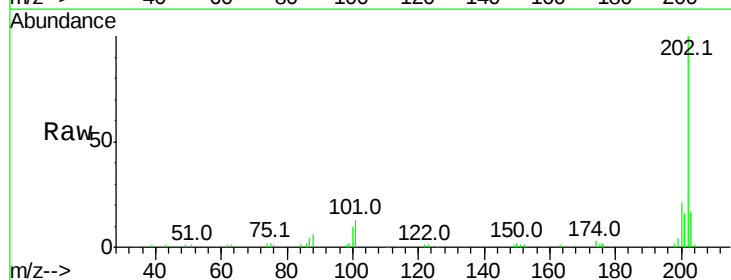


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

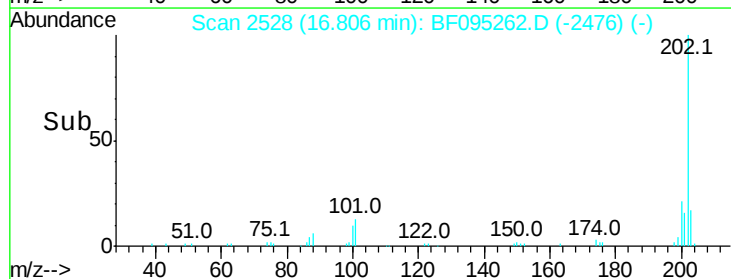
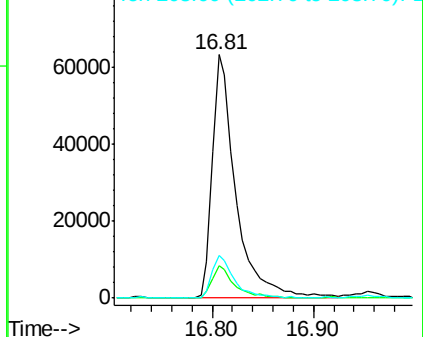


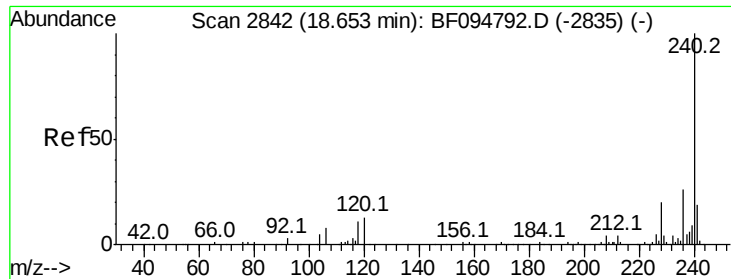
#74
 Fluoranthene
 Concen: 6.36 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Tgt Ion:202 Resp: 102024
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 33.2
 203 17.4 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

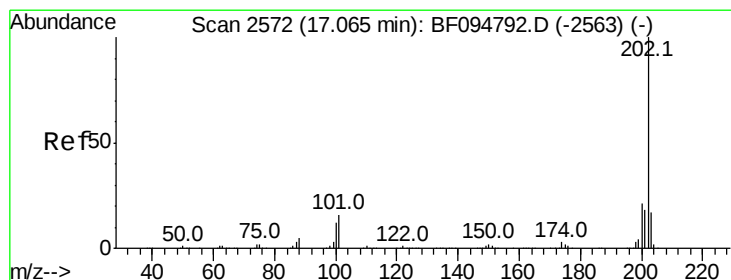
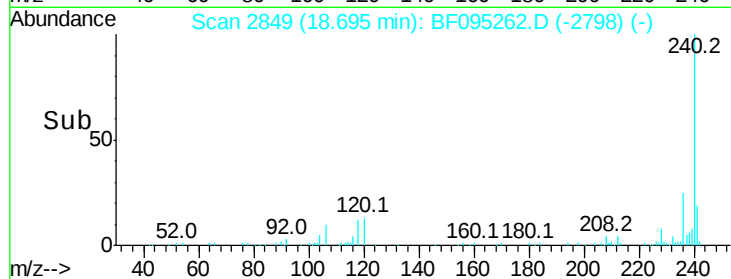
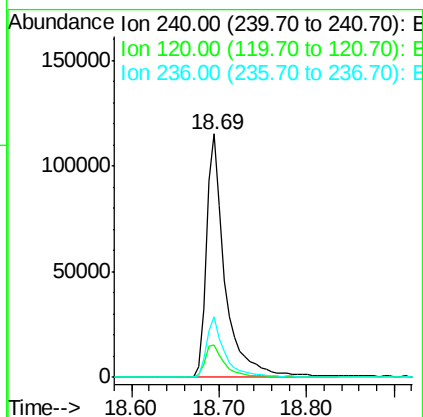
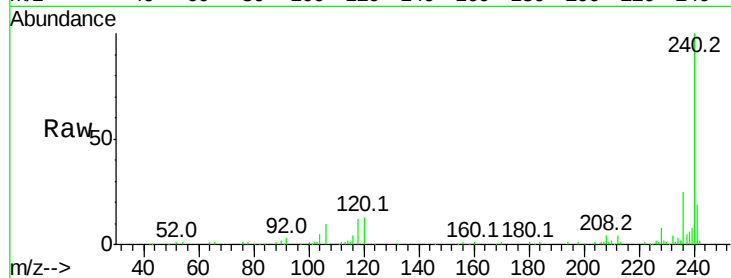




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2849
 Delta R.T. 0.00 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

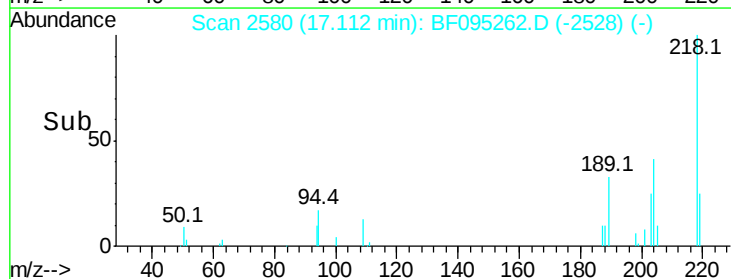
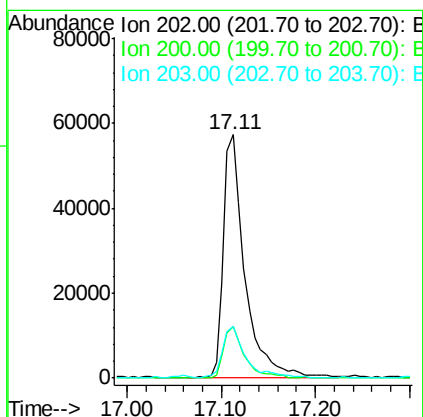
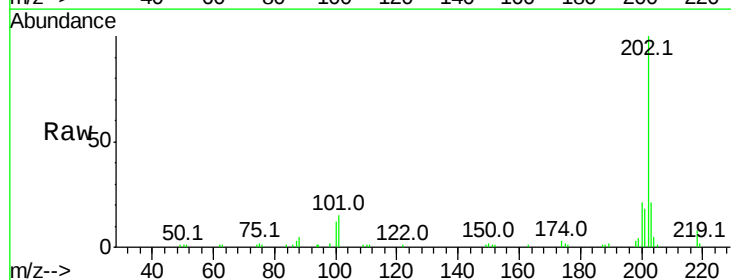
Instrument :
 BNA_F
 ClientSampleId :

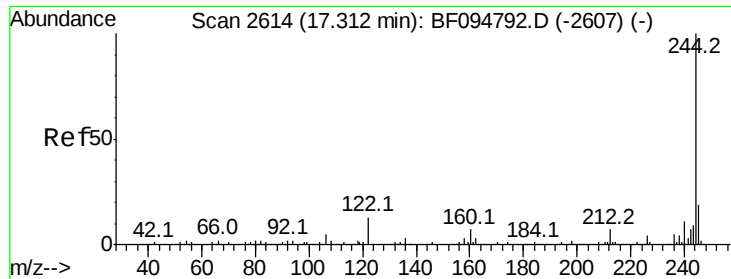
Tot Ion:240 Resp: 170730
 Ion Ratio Lower Upper
 240 100
 120 13.2 5.8 8.8#
 236 24.8 20.5 30.7



#77
 Pyrene
 Concen: 7.22 ng
 RT: 17.11 min Scan# 2580
 Delta R.T. 0.01 min
 Lab File: BF095262.D
 Acq: 19 May 2017 13:10

Tgt Ion:202 Resp: 92168
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.6 26.4
 203 21.1 14.4 21.6





#78

Terphenyl-d14

Concen: 16.74 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampleId :

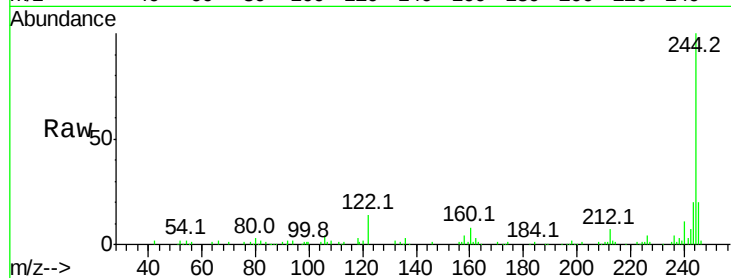
Tot Ion:244 Resp: 129749

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

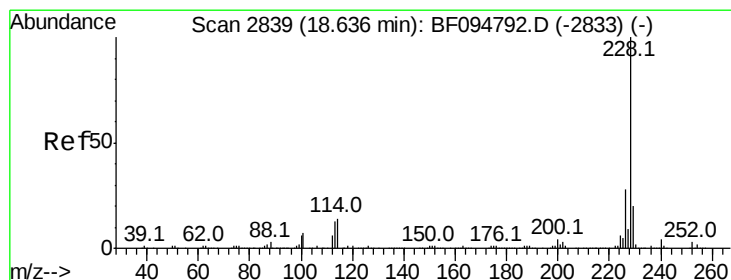
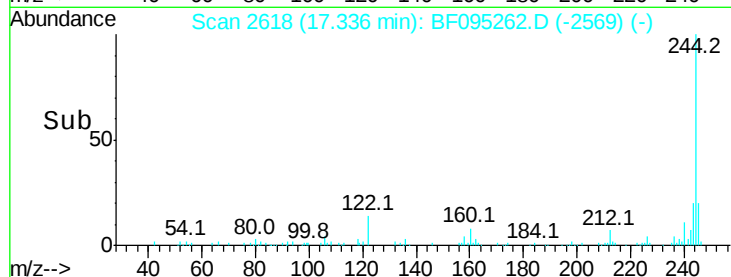
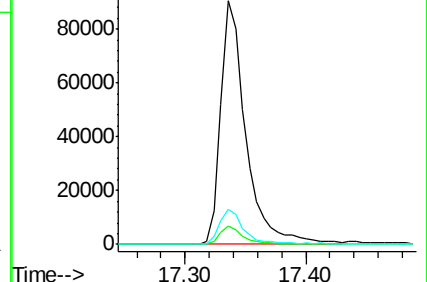
122 14.3 10.3 15.5



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: 2.54 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

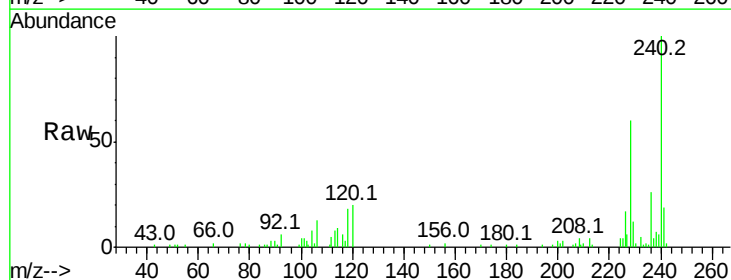
Tgt Ion:228 Resp: 25264

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

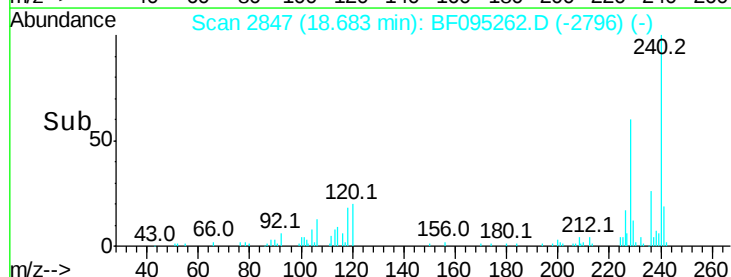
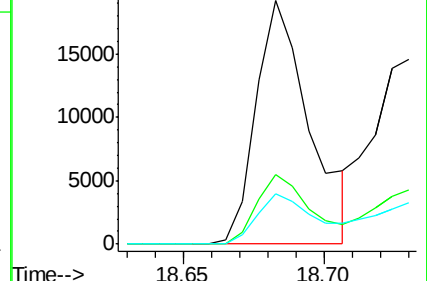
229 20.4 16.3 24.5

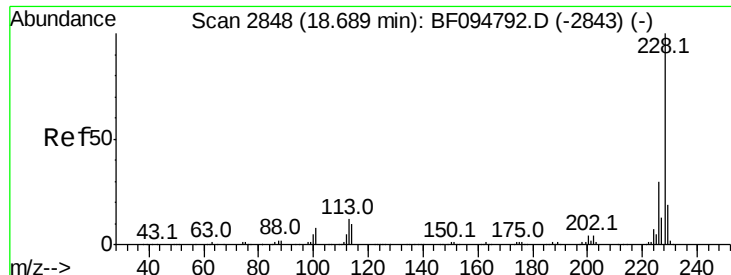


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.20 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampled :

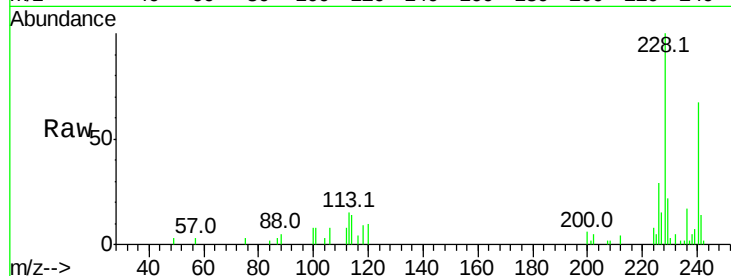
Tot Ion:228 Resp: 30778

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

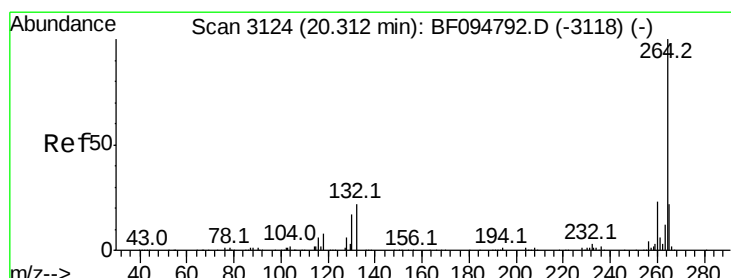
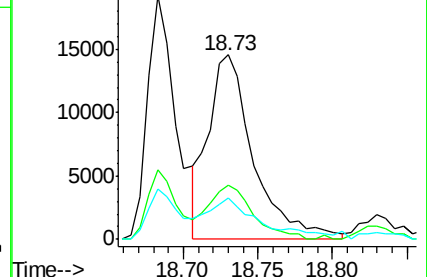
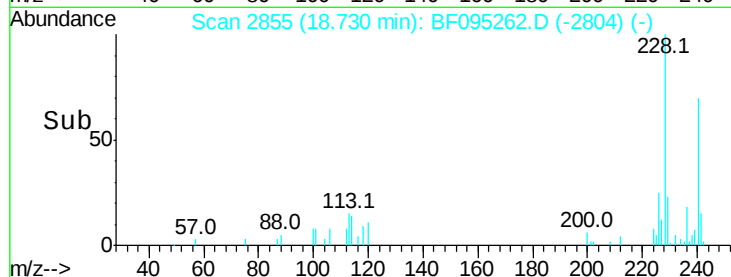
229 22.3 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

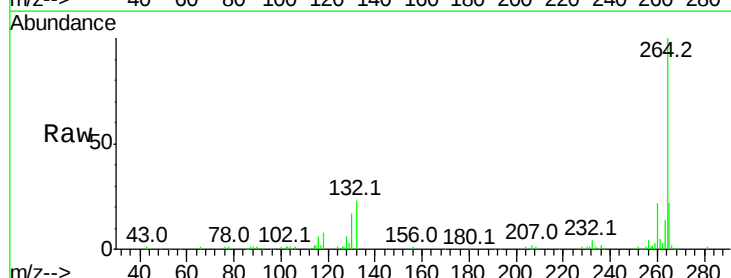
Tgt Ion:264 Resp: 164602

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

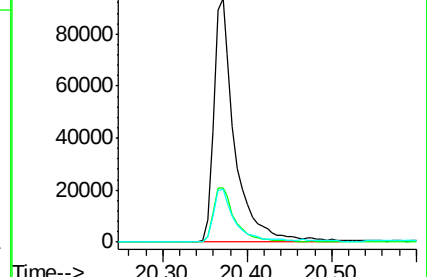
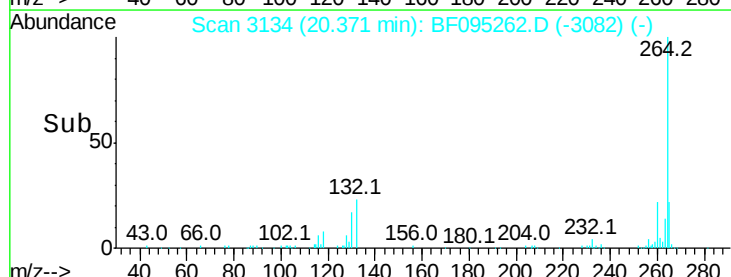
265 21.7 17.2 25.8

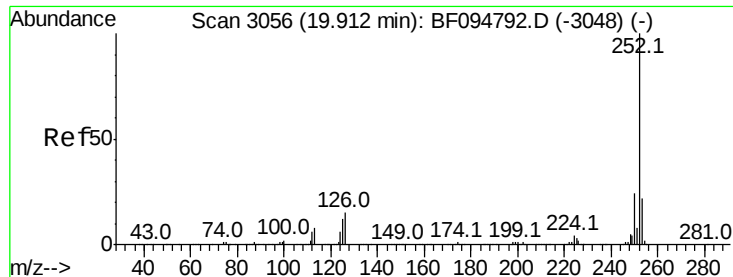


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.99 ng

RT: 19.98 min Scan# 3067

Delta R.T. 0.02 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampleId :

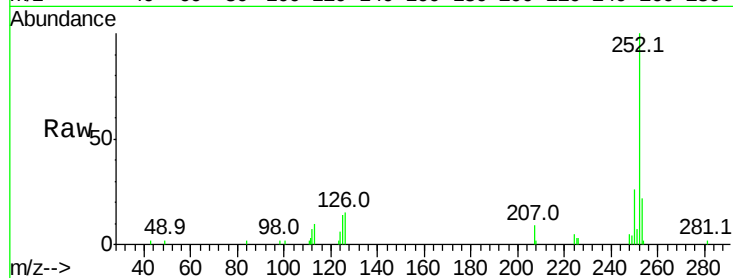
Tot Ion:252 Resp: 40559

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

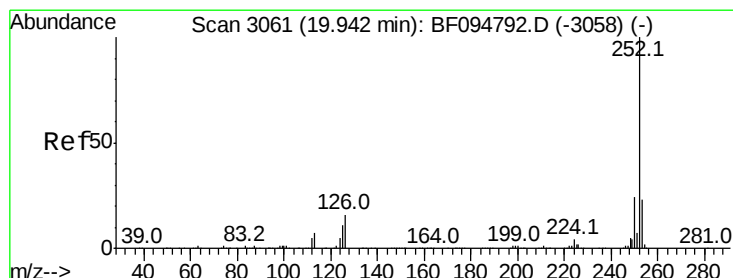
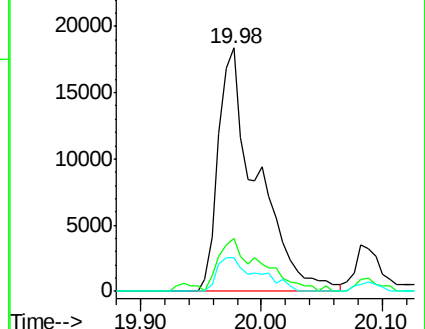
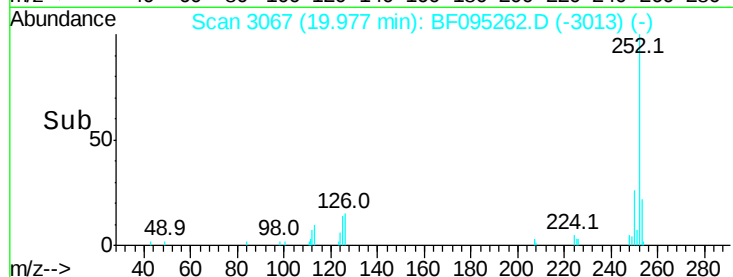
125 13.9 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.13 ng

RT: 19.98 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BF095262.D

Acq: 19 May 2017 13:10

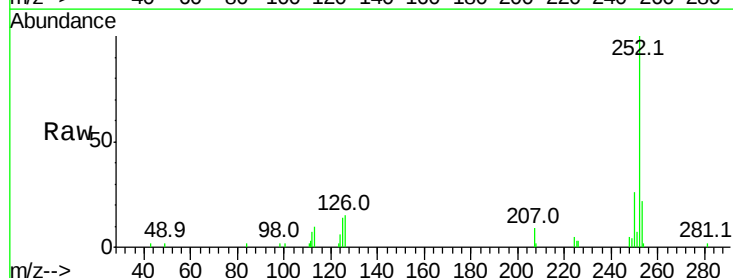
Tgt Ion:252 Resp: 40559

Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

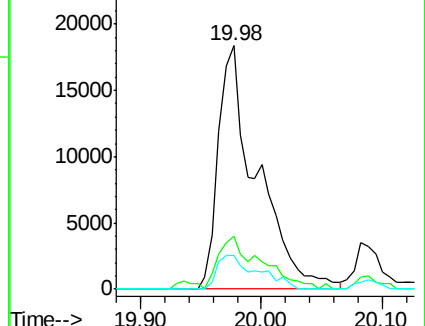
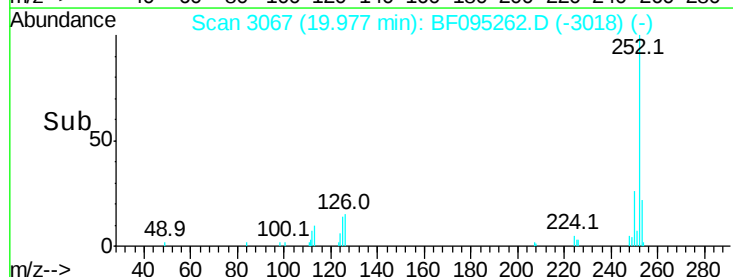
125 13.9 13.1 19.7

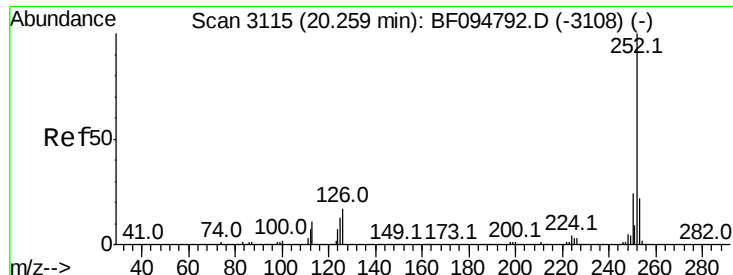


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.41 ng

RT: 20.32 min Scan# 3125

Delta R.T. 0.01 min

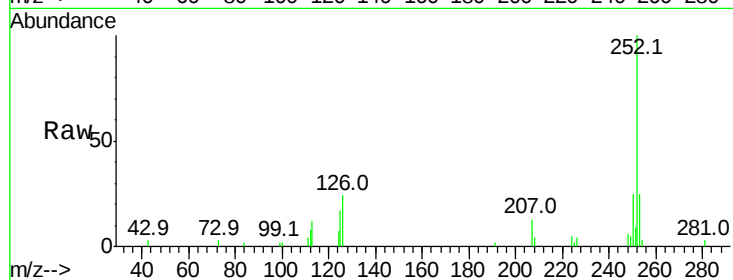
Lab File: BF095262.D

Acq: 19 May 2017 13:10

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	22620
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	16.6	11.0	16.4

