

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095147.D
 Acq On : 16 May 2017 3:48
 Operator : SJ/MA
 Sample : I3140-06 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 06:03:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

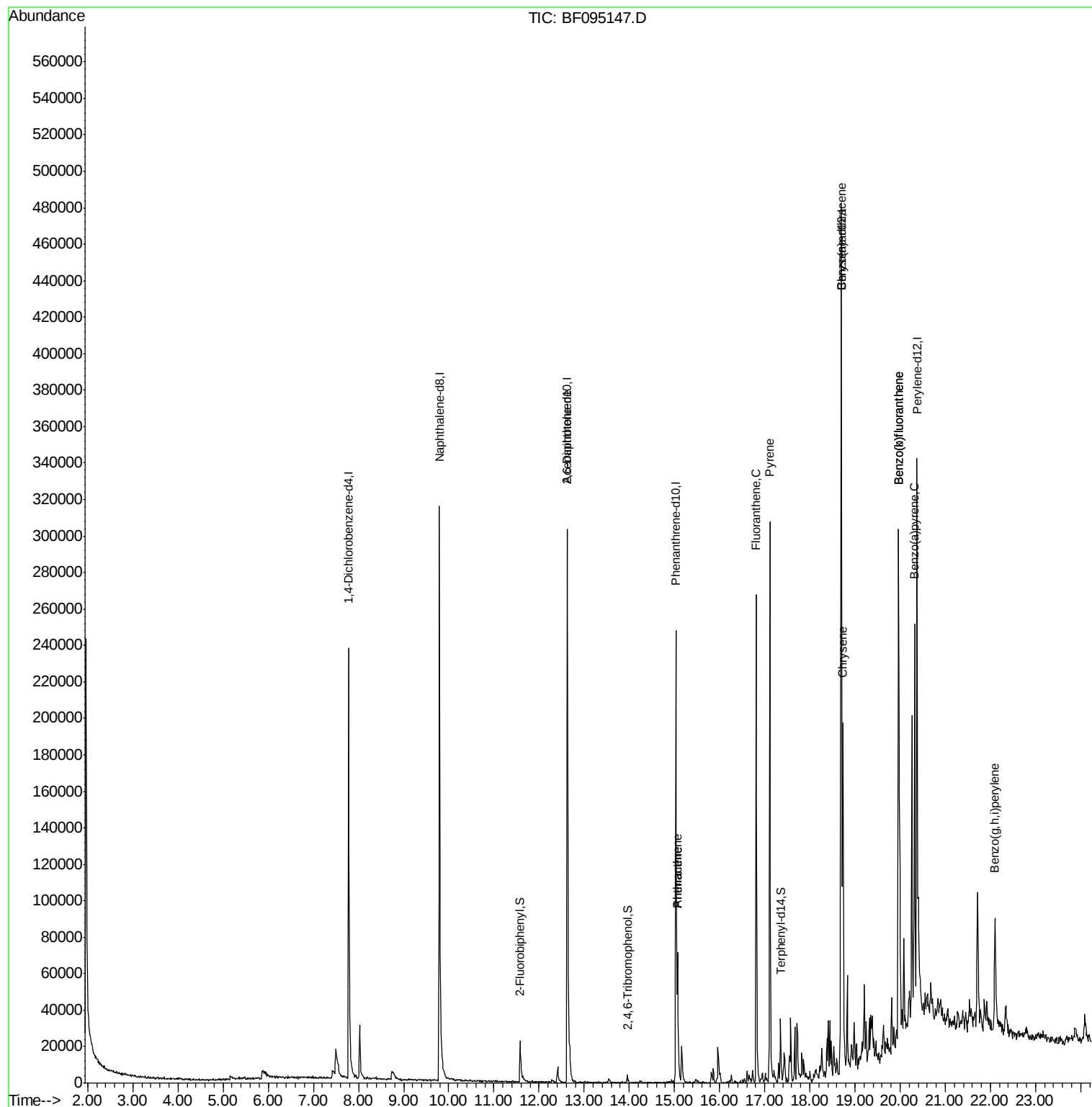
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	66584	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	261977	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109967	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	152904	20.00	ng	0.05
75) Chrysene-d12	18.70	240	159819	20.00	ng	0.05
86) Perylene-d12	20.37	264	134297	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	4185	1.05	ng	0.19
7) Phenol-d6	7.44	99	5082	1.06	ng	0.16
23) Nitrobenzene-d5	8.76	82	8002	1.93	ng	0.12
41) 2,4,6-Tribromophenol	13.96	330	1883	2.09	ng	0.08
44) 2-Fluorobiphenyl	11.58	172	23817	3.12	ng	0.05
78) Terphenyl-d14	17.35	244	16635	2.29	ng	0.04
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.62	165	9187	4.99	ng	# 31
70) Phenanthrene	15.07	178	42640	4.85	ng	96
71) Anthracene	15.07	178	42640	4.75	ng	96
74) Fluoranthene	16.81	202	165102	18.32	ng	96
77) Pyrene	17.11	202	159014	13.30	ng	97
80) Benzo(a)anthracene	18.69	228	102490	11.02	ng	99
82) Chrysene	18.73	228	100799	11.21	ng	96
87) Benzo(b)fluoranthene	19.97	252	197379	23.79	ng	98
88) Benzo(k)fluoranthene	19.97	252	197379	24.66	ng	98
89) Benzo(a)pyrene	20.32	252	94486	12.34	ng	97
91) Benzo(g,h,i)perylene	22.11	276	46211	7.45	ng	96

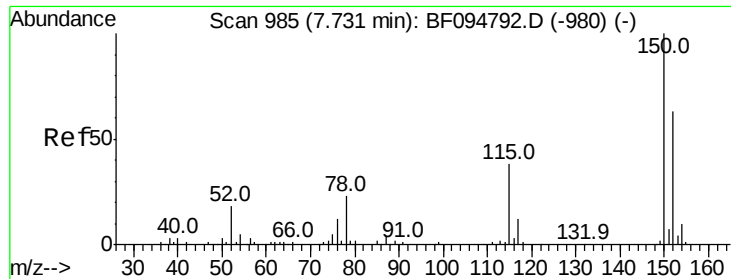
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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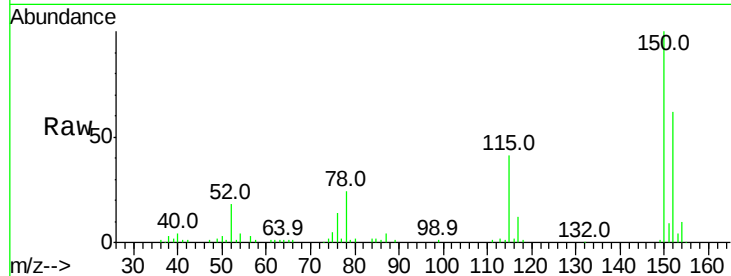


#1

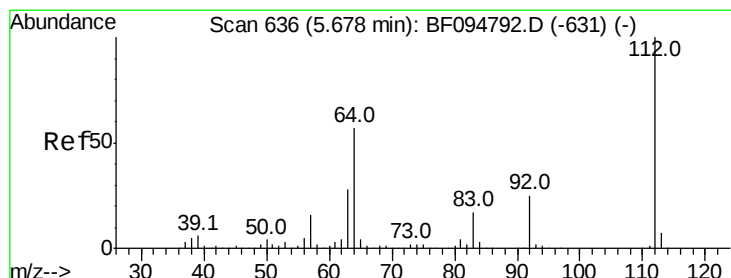
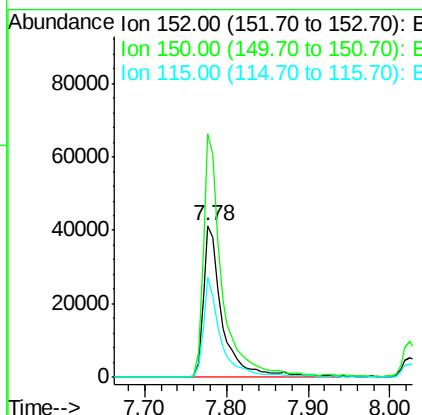
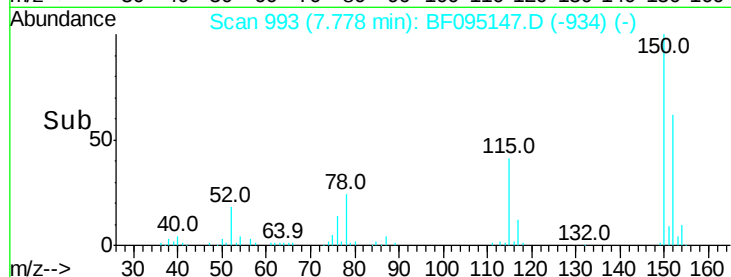
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66584
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 66.1 52.2 78.2



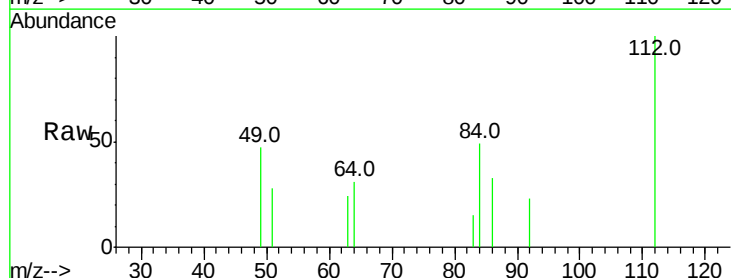
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



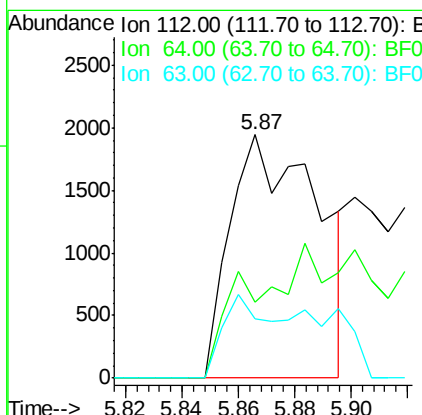
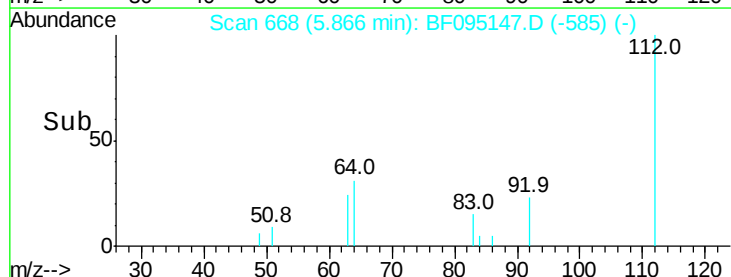
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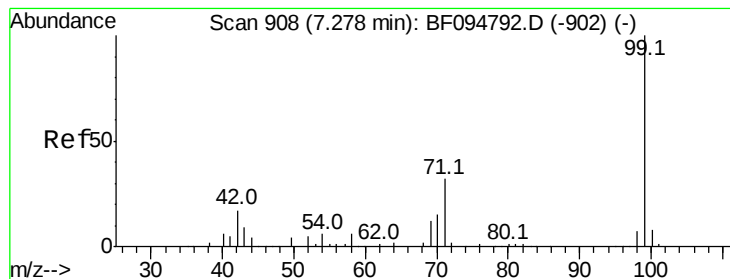
2-Fluorophenol
Concen: 1.05 ng
RT: 5.87 min Scan# 668
Delta R.T. 0.19 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion:112 Resp: 4185
Ion Ratio Lower Upper
112 100
64 31.0 46.0 69.0#
63 24.1 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: 1.06 ng

RT: 7.44 min Scan# 935

Delta R.T. 0.16 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Instrument :

BNA_F

ClientSampleId :

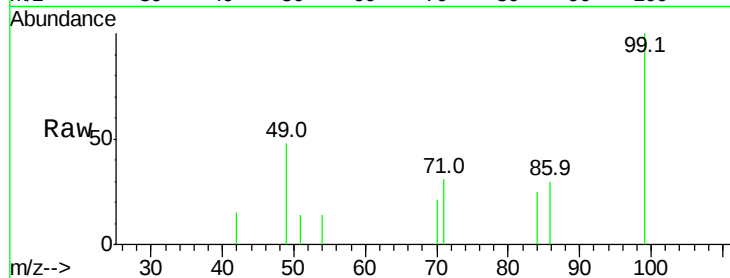
Tot Ion: 99 Resp: 5082

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

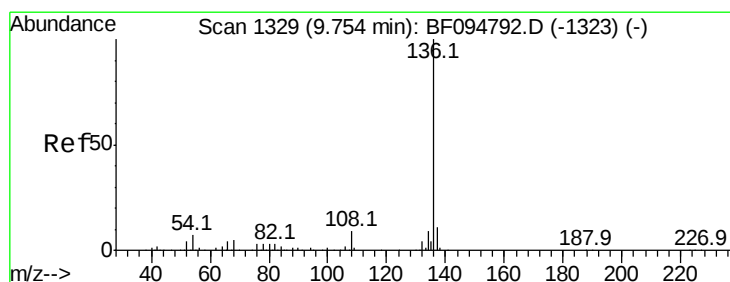
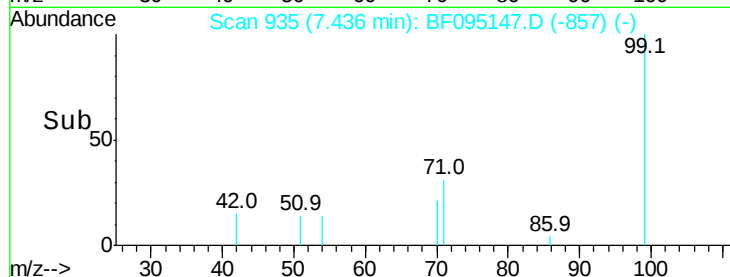
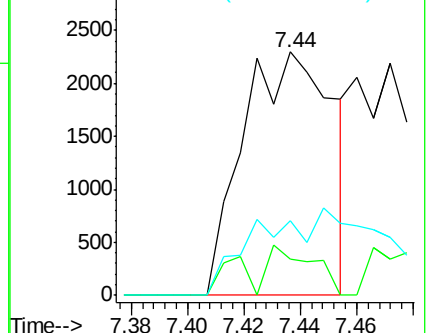
71 30.8 24.5 36.7



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: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Tgt Ion: 136 Resp: 261977

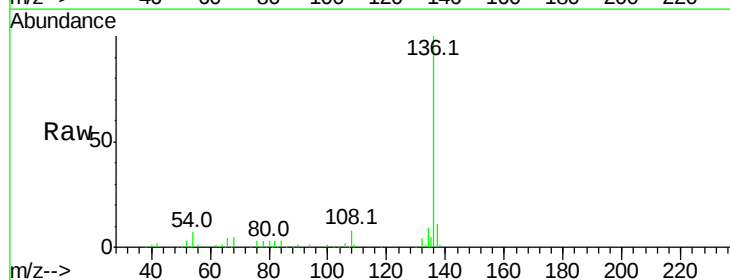
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 6.8 4.9 7.3

68 5.2 4.1 6.1

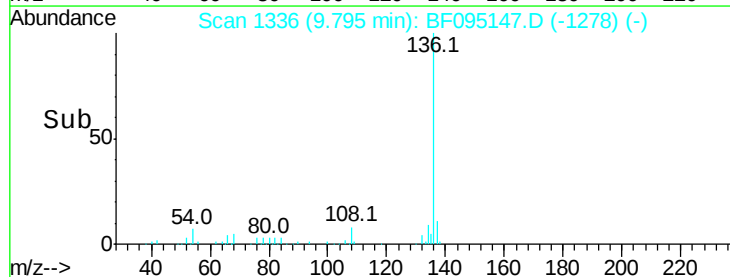
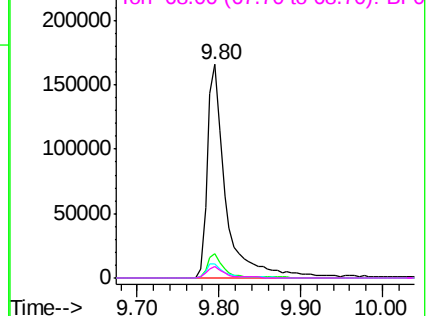


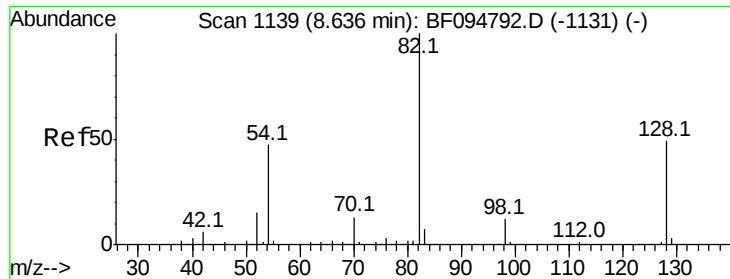
Abundance Ion 136.00 (135.70 to 136.70): E

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

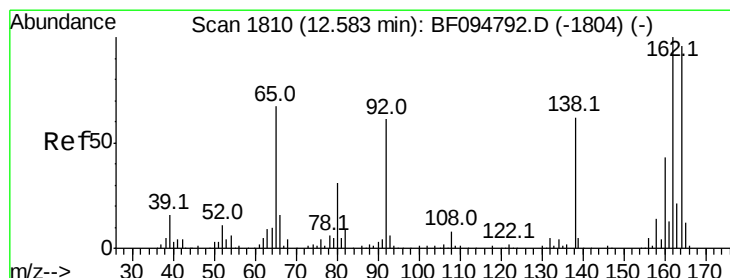
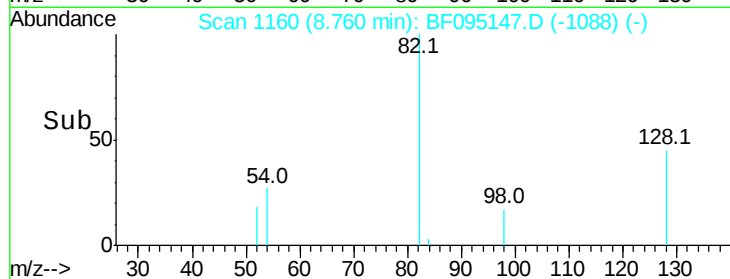
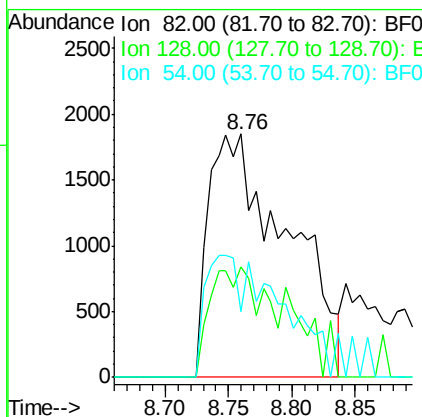
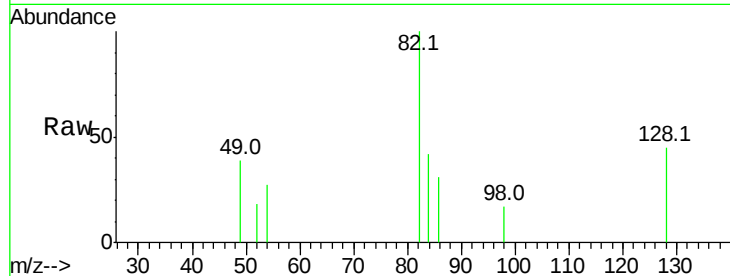




#23
 Nitrobenzene-d5
 Concen: 1.93 ng
 RT: 8.76 min Scan# 1160
 Delta R.T. 0.12 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

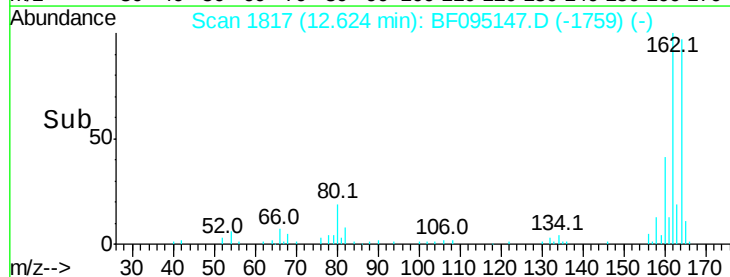
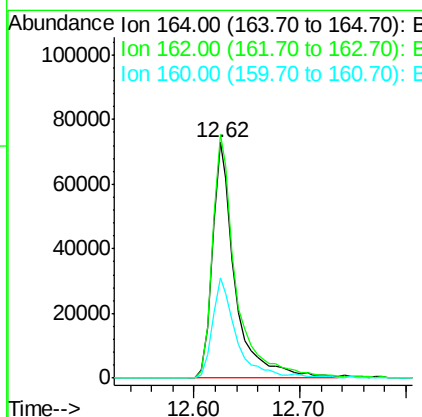
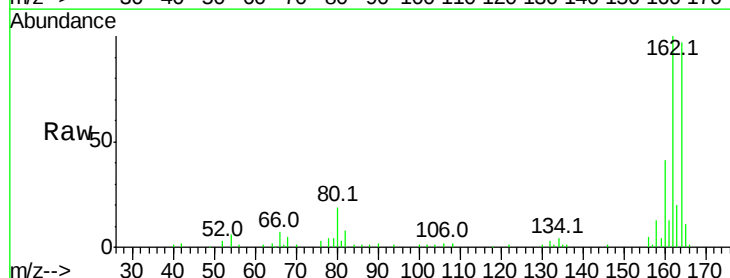
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 8002
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.0 51.0
 54 26.8 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion:164 Resp: 109967
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 42.3 36.2 54.2

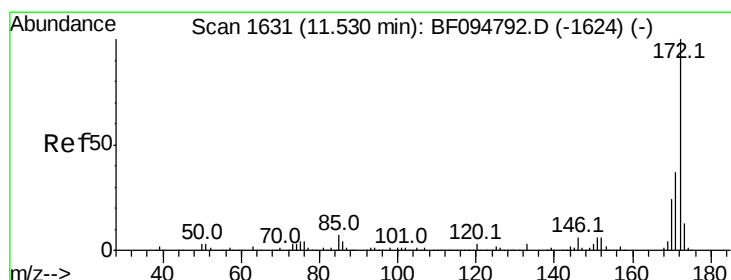
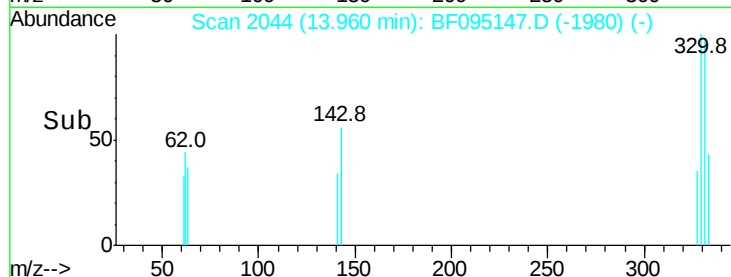
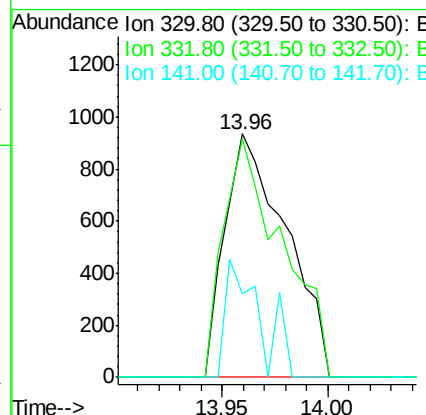
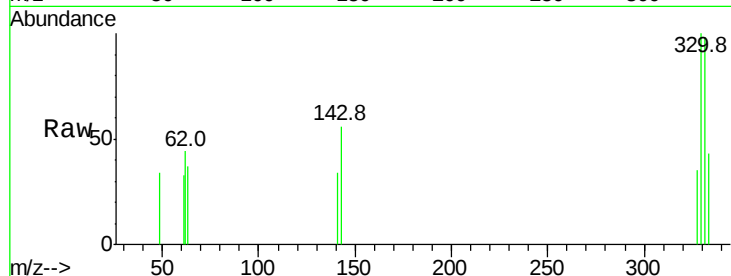




#41
 2,4,6-Tribromophenol
 Concen: 2.09 ng
 RT: 13.96 min Scan# 2044
 Delta R.T. 0.08 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

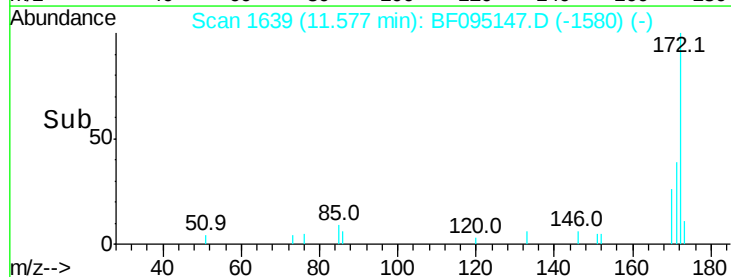
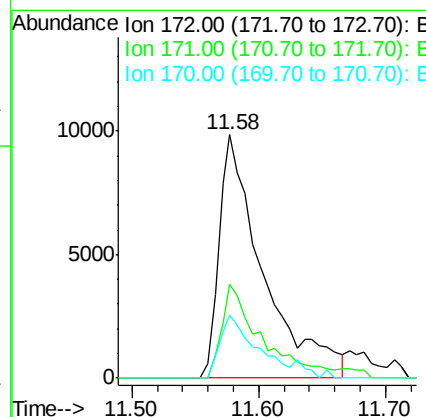
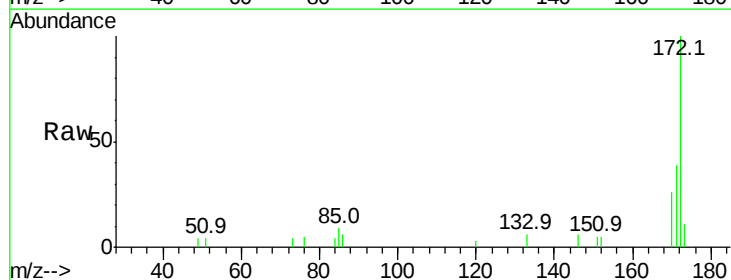
Instrument :
 BNA_F
 ClientSampleId :

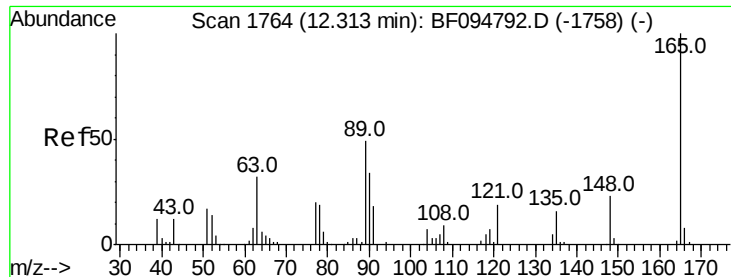
Tot Ion:330 Resp: 1883
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.6 115.0
 141 27.1 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 3.12 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion:172 Resp: 23817
 Ion Ratio Lower Upper
 172 100
 171 38.6 29.6 44.4
 170 26.2 19.8 29.8

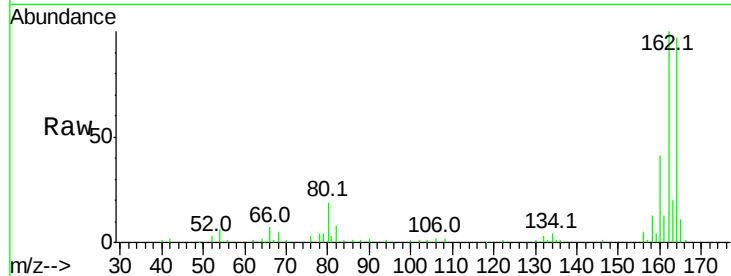




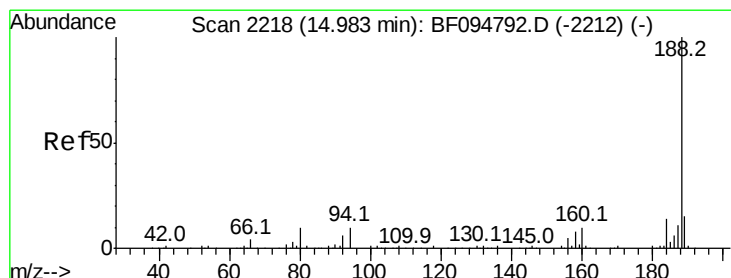
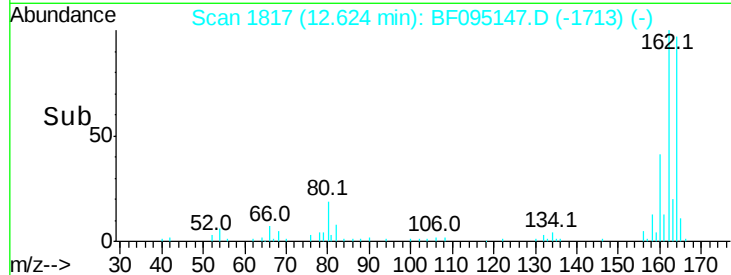
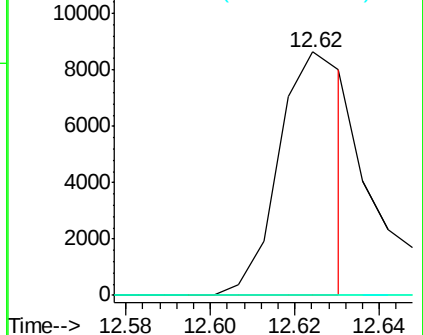
#50
 2,6-Dinitrotoluene
 Concen: 4.99 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

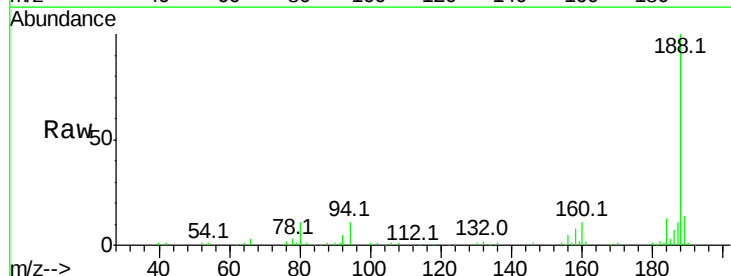


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

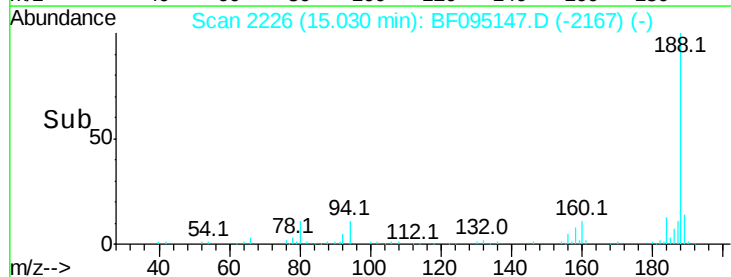
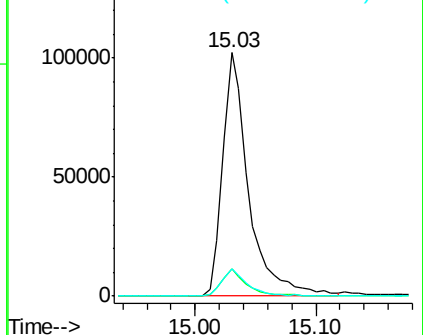


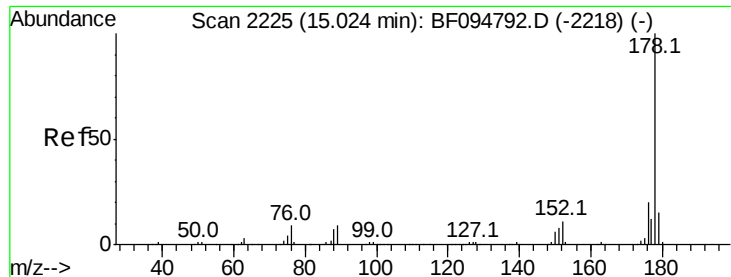
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.2	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

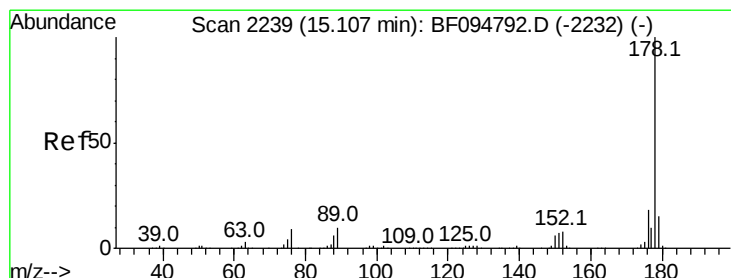
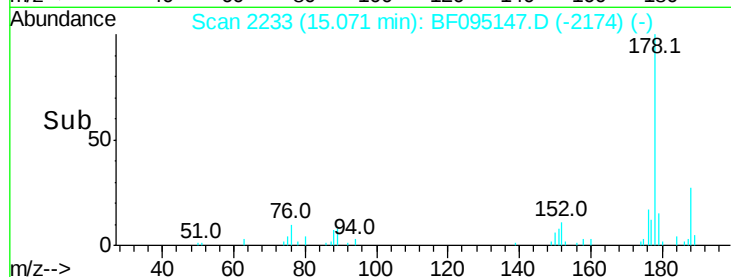
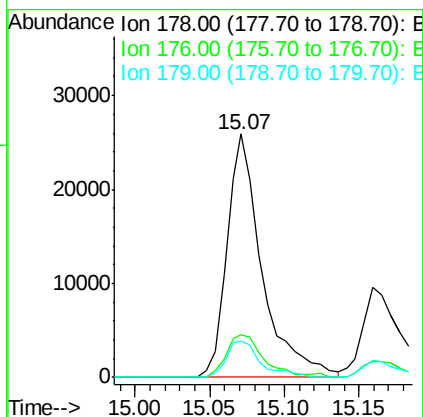
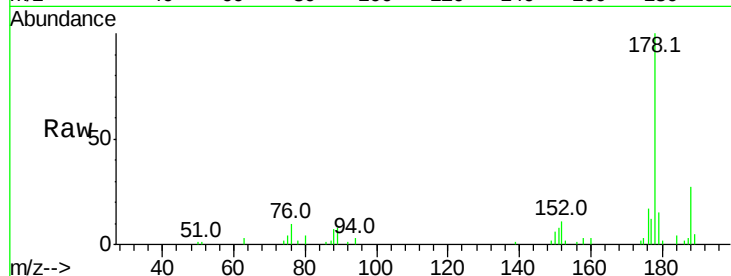




#70
 Phenanthrene
 Concen: 4.85 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

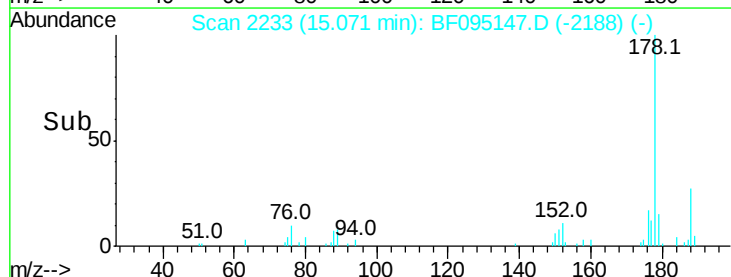
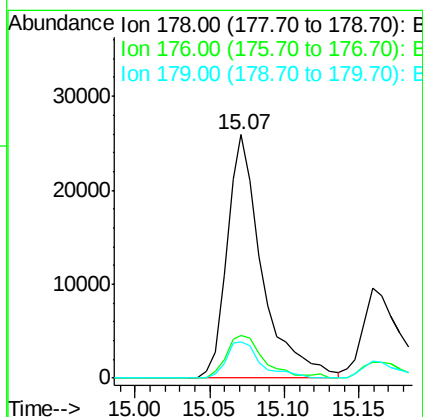
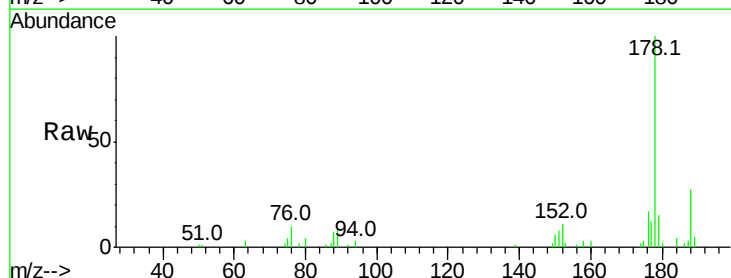
Instrument :
 BNA_F
 ClientSampleId :

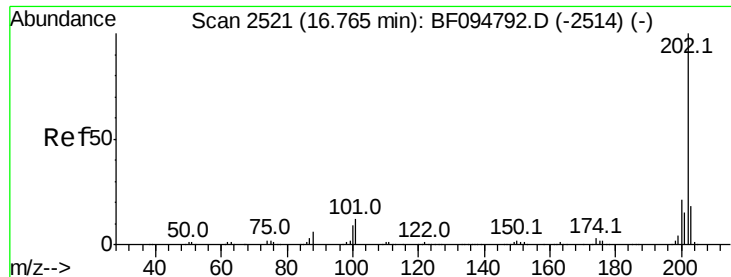
Tot Ion:178 Resp: 42640
 Ion Ratio Lower Upper
 178 100
 176 17.4 16.2 24.4
 179 15.1 12.6 19.0



#71
 Anthracene
 Concen: 4.75 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. -0.04 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion:178 Resp: 42640
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 15.1 12.7 19.1

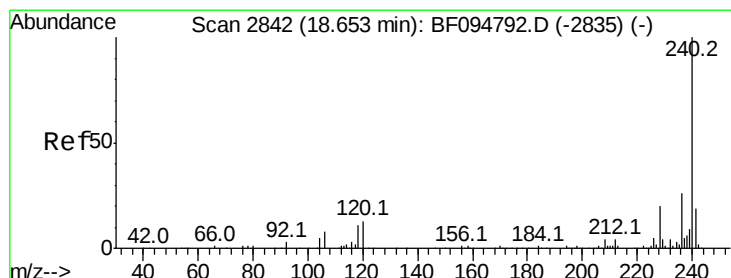
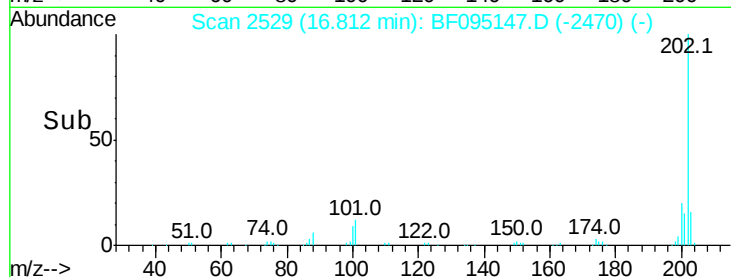
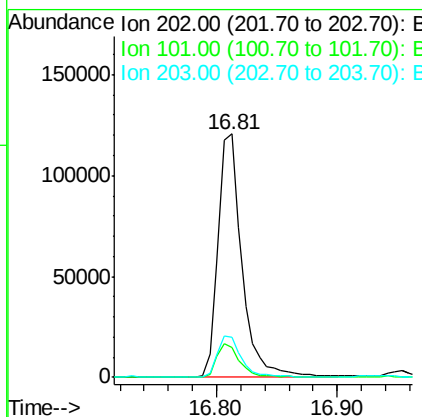
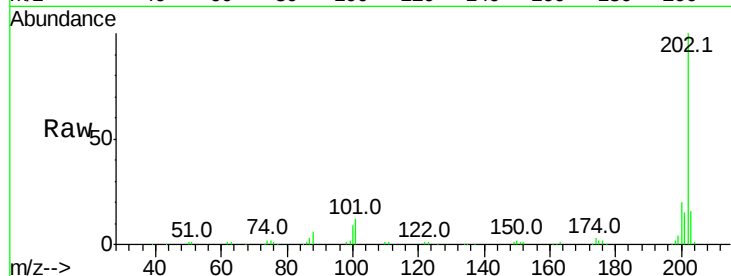




#74
 Fluoranthene
 Concen: 18.32 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

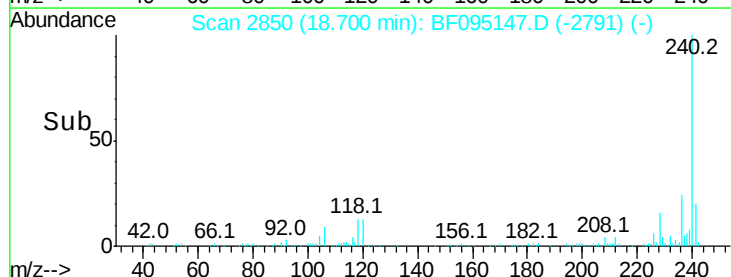
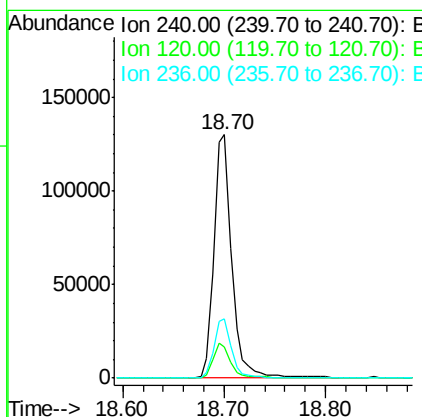
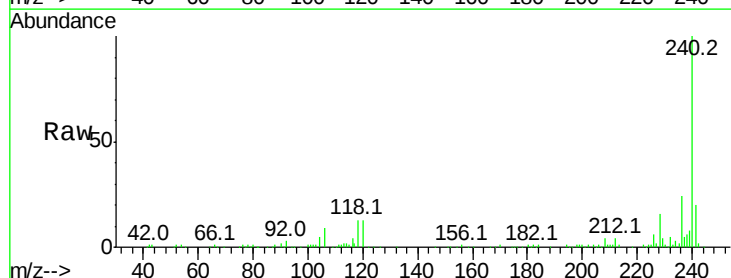
Instrument :
 BNA_F
 ClientSampleId :

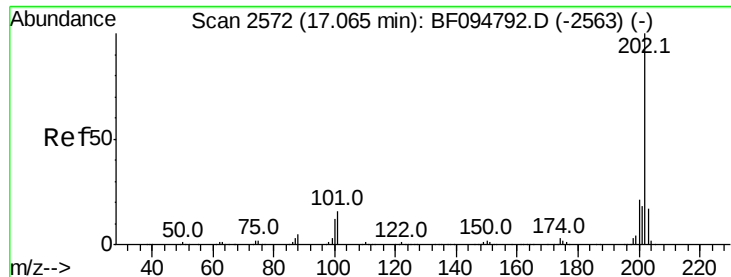
Tot Ion:202 Resp: 165102
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 33.2
 203 16.2 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion:240 Resp: 159819
 Ion Ratio Lower Upper
 240 100
 120 12.6 5.8 8.8#
 236 24.2 20.5 30.7





#77

Pvrene

Concen: 13.30 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Instrument :

BNA_F

ClientSampleId :

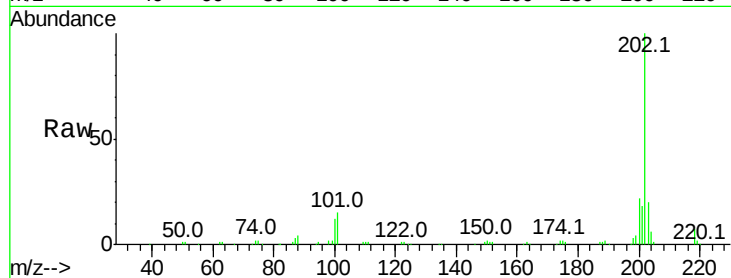
Tot Ion:202 Resp: 159014

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

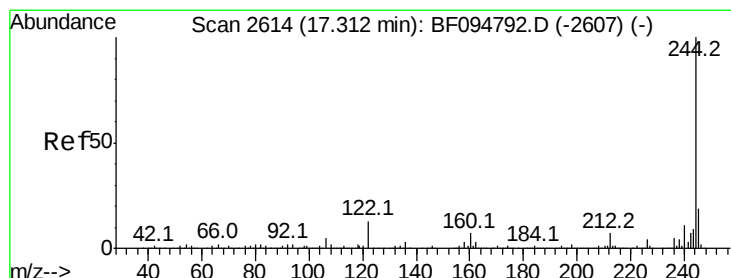
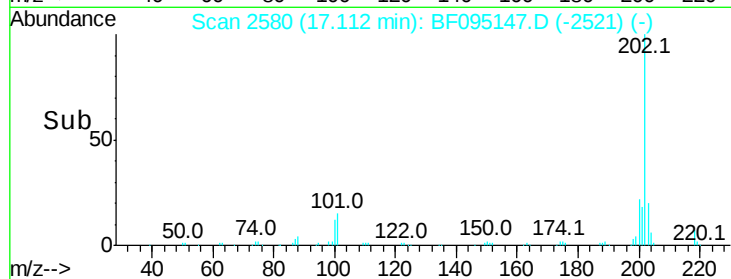
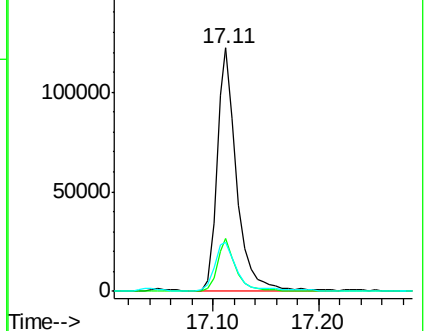
203 20.3 14.4 21.6



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: 2.29 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

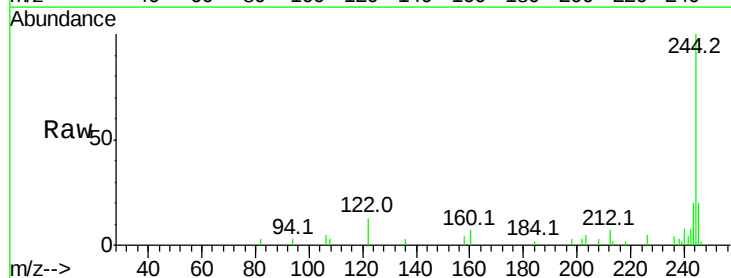
Tgt Ion:244 Resp: 16635

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

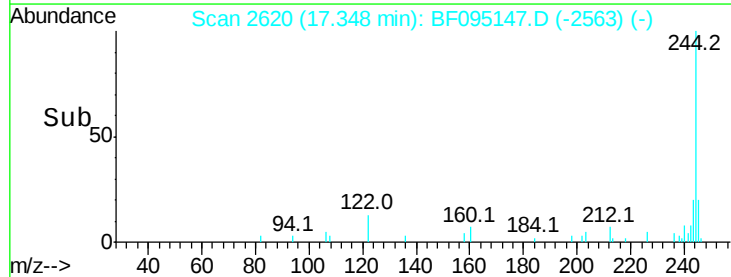
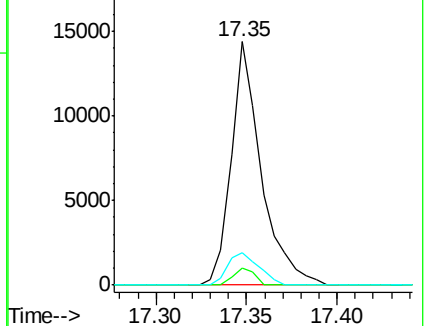
122 13.3 10.3 15.5

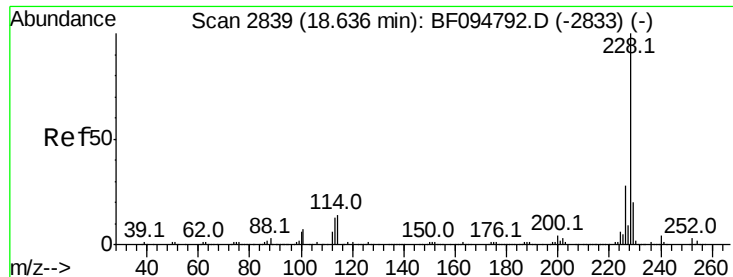


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

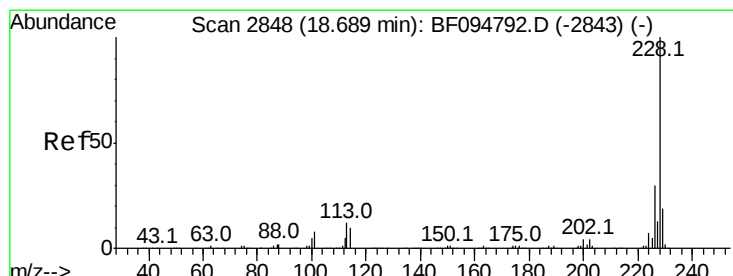
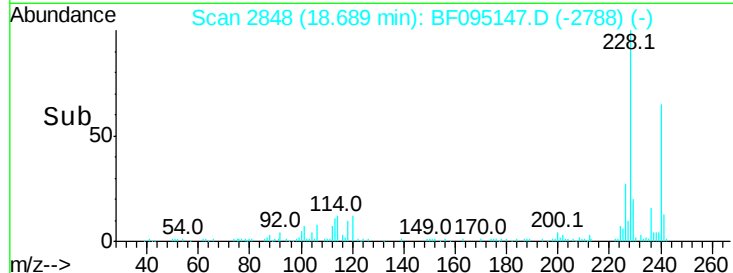
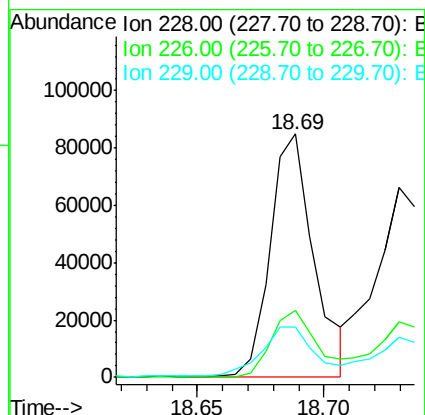
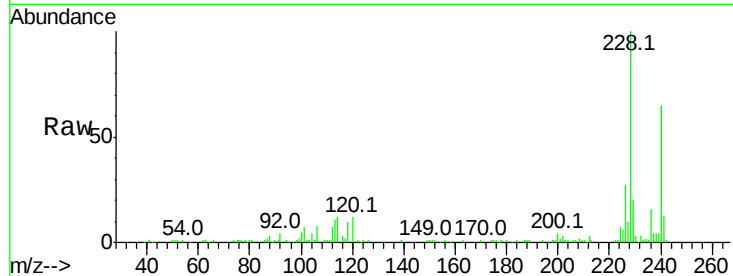




#80
Benzo(a)anthracene
Concen: 11.02 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

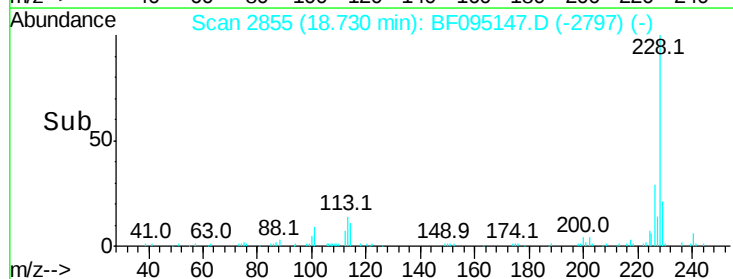
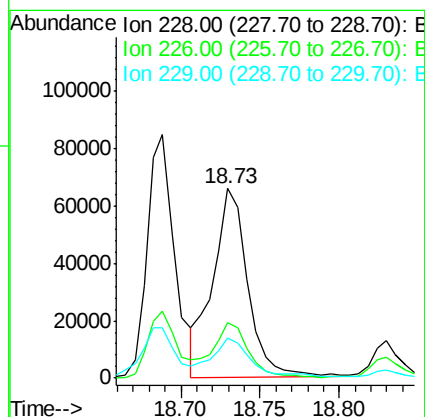
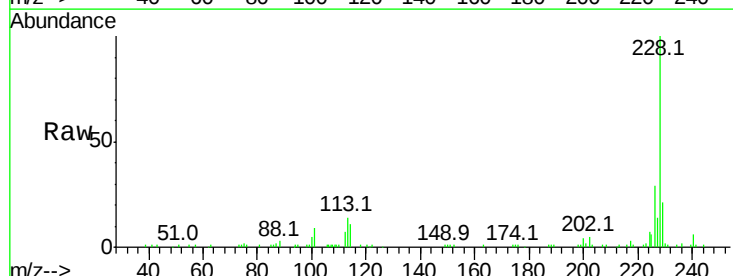
Instrument :
BNA_F
ClientSampleId :

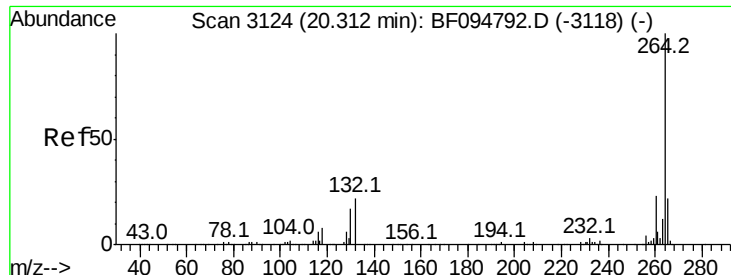
Tot Ion:228 Resp: 102490
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.4 16.3 24.5



#82
Chrysene
Concen: 11.21 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.04 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion:228 Resp: 100799
Ion Ratio Lower Upper
228 100
226 29.0 24.9 37.3
229 21.2 15.8 23.6

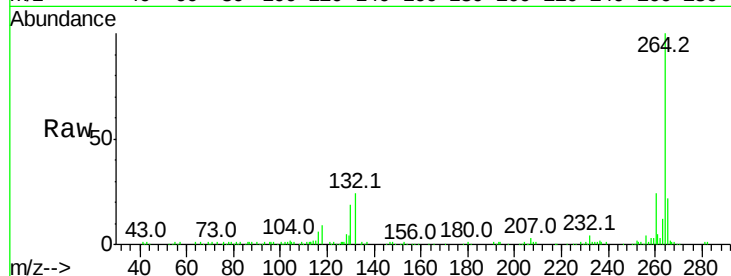




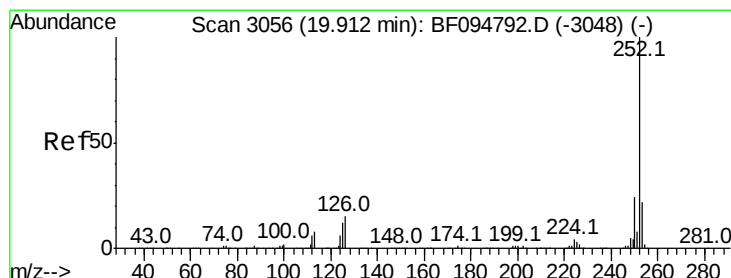
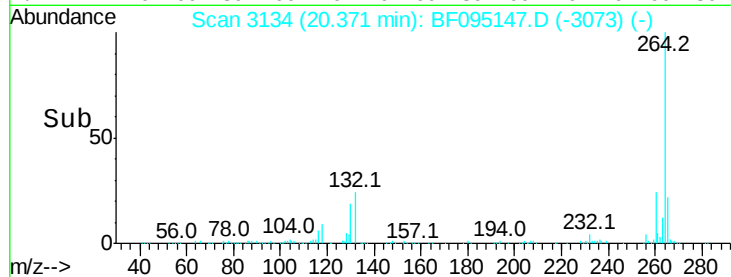
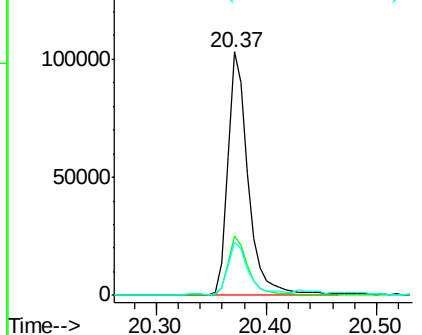
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3134
Delta R.T. 0.06 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.9	17.2	25.8

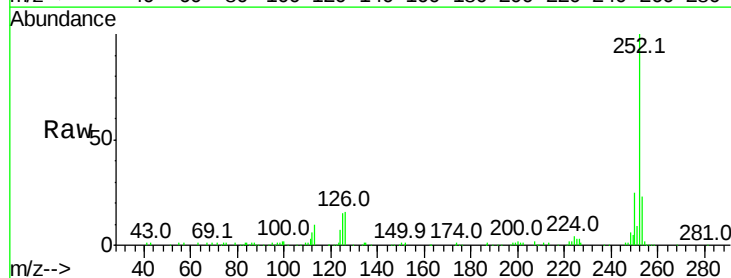


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

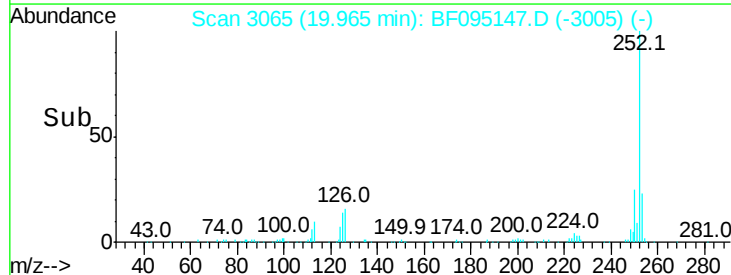
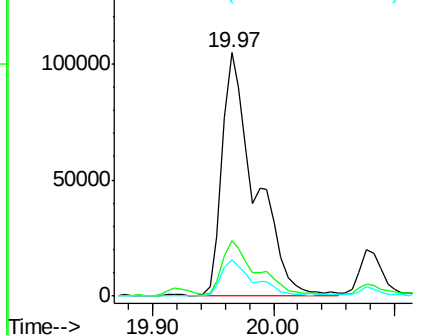


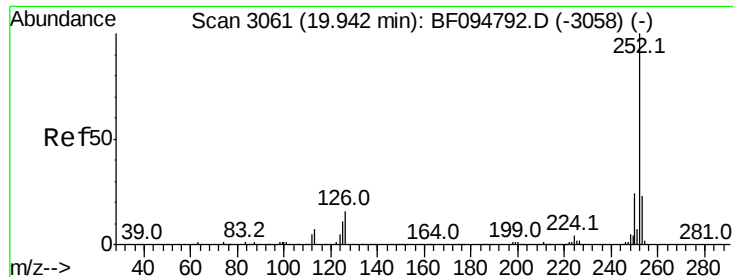
#87
Benzo(b)fluoranthene
Concen: 23.79 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.7	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: 24.66 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.02 min

Lab File: BF095147.D

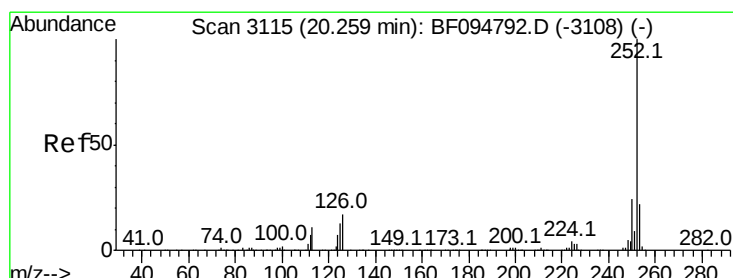
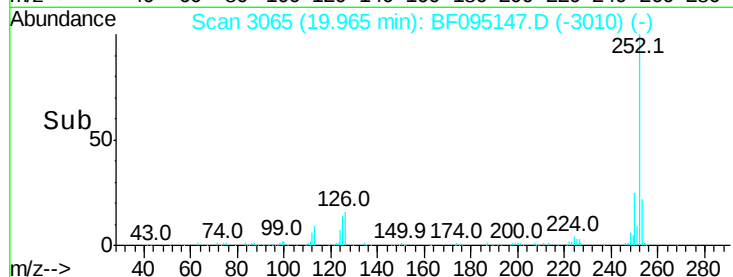
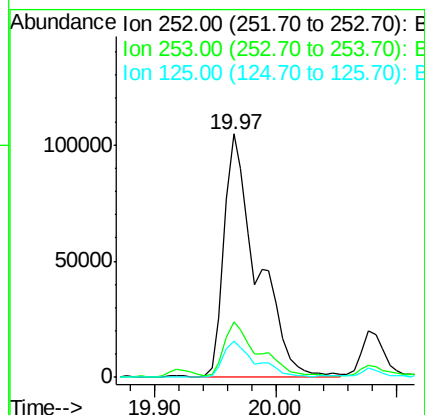
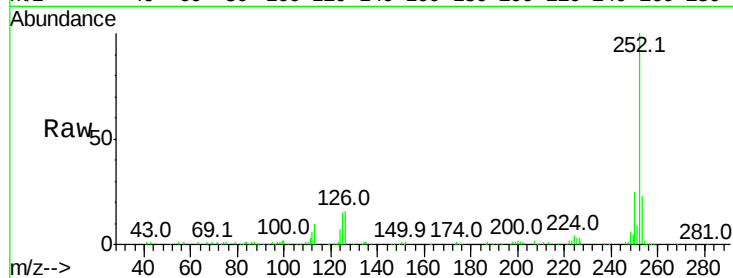
Acq: 16 May 2017 3:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	197379
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.4	27.6
125	14.7	13.1	19.7



#89

Benzo(a)pyrene

Concen: 12.34 ng

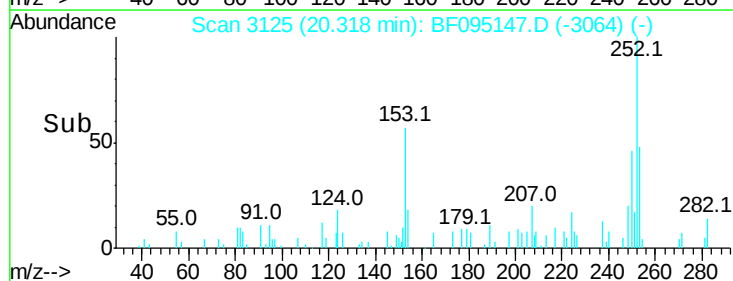
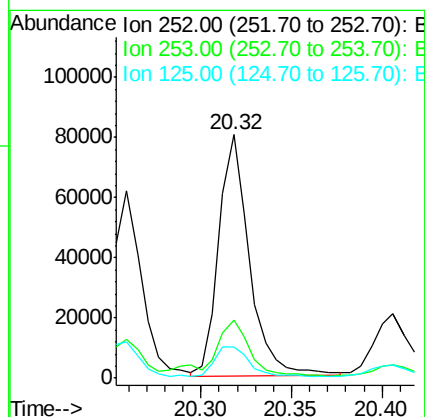
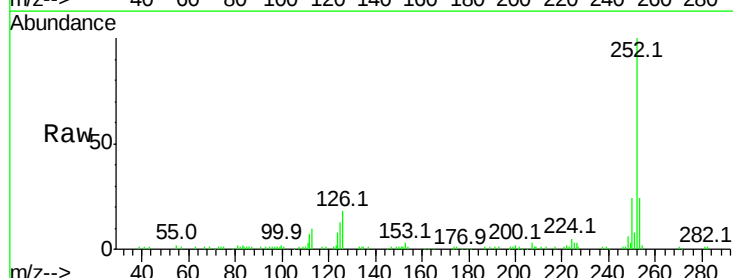
RT: 20.32 min Scan# 3125

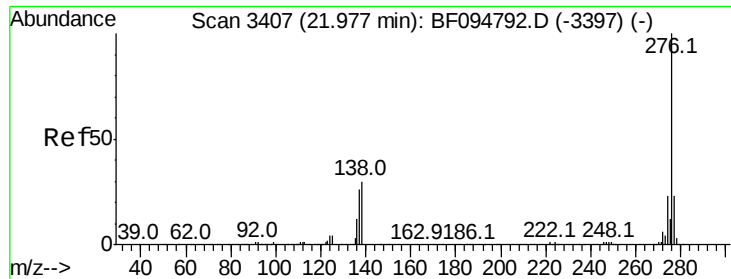
Delta R.T. 0.06 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Tgt Ion:	252	Resp:	94486
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	13.0	11.0	16.4

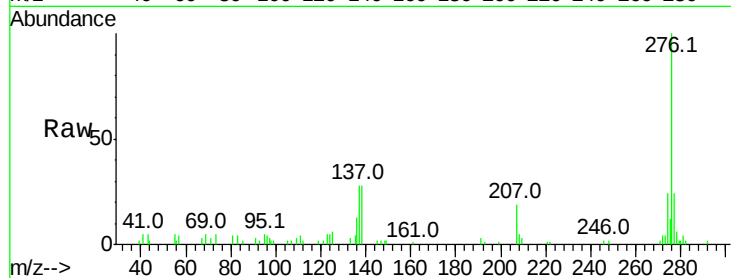




#91
 Benzo(a,h,i)perylene
 Concen: 7.45 ng
 RT: 22.11 min Scan# 3429
 Delta R.T. 0.13 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 46211
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 28.0
 138 28.5 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

