

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098917.D
 Acq On : 28 Sep 2017 20:07
 Operator : SJ/JU
 Sample : I5447-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:44:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	131590	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	495744	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	193490	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	292571	20.00	ng	0.00
75) Chrysene-d12	14.08	240	261216	20.00	ng	0.00
86) Perylene-d12	15.57	264	262881	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	449562	54.39	ng	0.00
7) Phenol-d6	6.53	99	540256	52.98	ng	-0.01
23) Nitrobenzene-d5	7.47	82	325145	42.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	69083	43.63	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	540900	46.67	ng	-0.01
78) Terphenyl-d14	13.02	244	390309	33.98	ng	-0.01

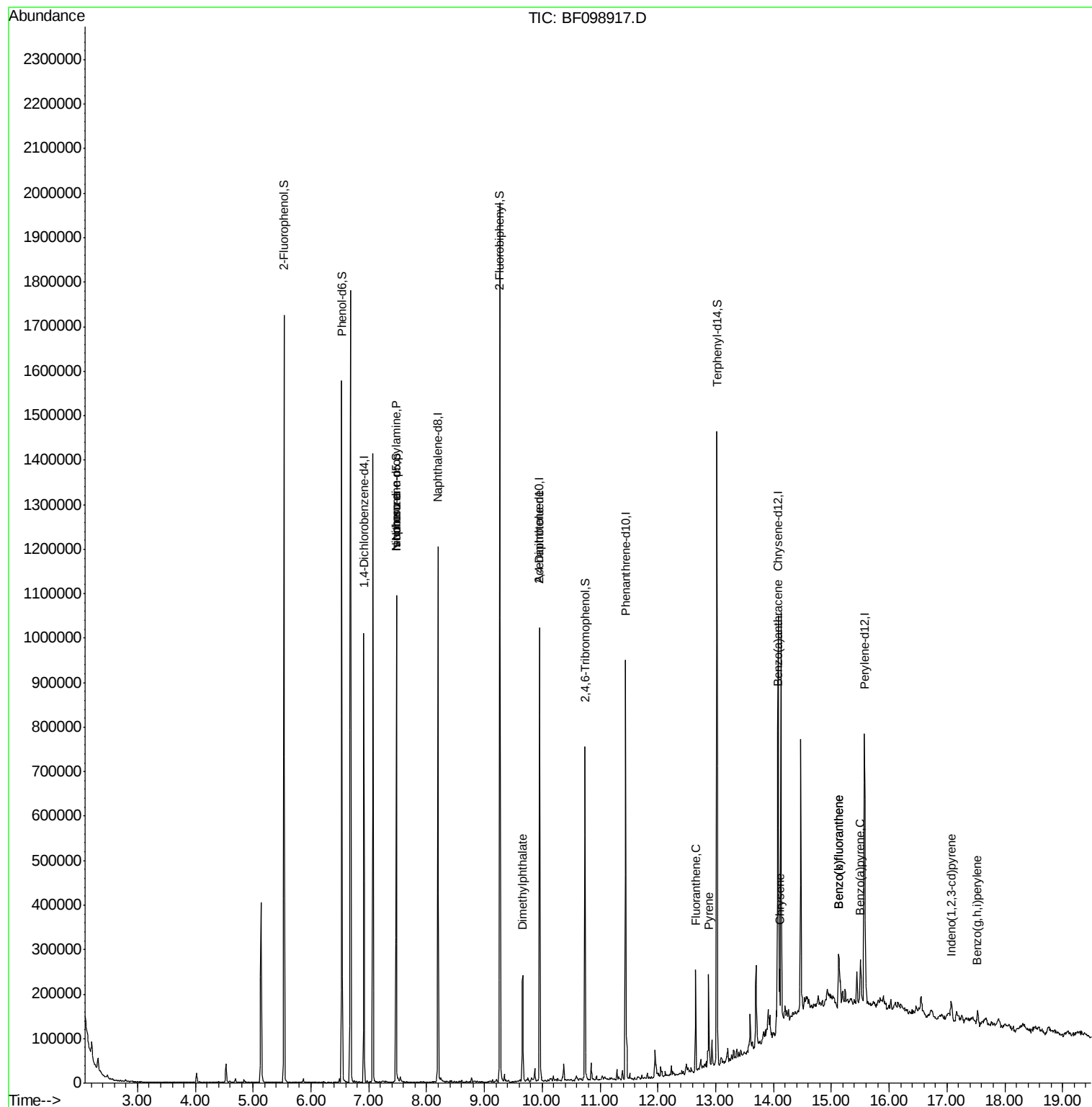
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	43277	6.65	ng	# 76
25) Isophorone	7.47	82	322753	20.19	ng	# 64
49) Dimethylphthalate	9.66	163	97782	6.70	ng	99
56) 2,4-Dinitrotoluene	9.95	165	24158	5.85	ng	# 23
74) Fluoranthene	12.65	202	75917	4.79	ng	98
77) Pyrene	12.88	202	76631	3.85	ng	98
80) Benzo(a)anthracene	14.07	228	47951	3.03	ng	95
82) Chrysene	14.10	228	41983	2.79	ng	95
85) Indeno(1,2,3-cd)pyrene	17.07	276	24997	2.08	ng	94
87) Benzo(b)fluoranthene	15.13	252	82281	5.09	ng	# 94
88) Benzo(k)fluoranthene	15.13	252	82281	5.15	ng	# 96
89) Benzo(a)pyrene	15.50	252	44146	2.98	ng	# 93
91) Benzo(a,h,i)perylene	17.53	276	23863	2.03	ng	# 84

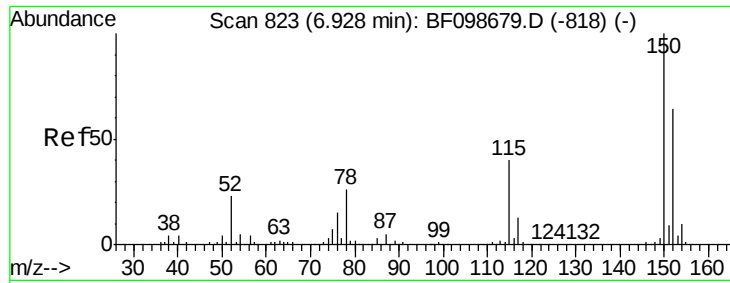
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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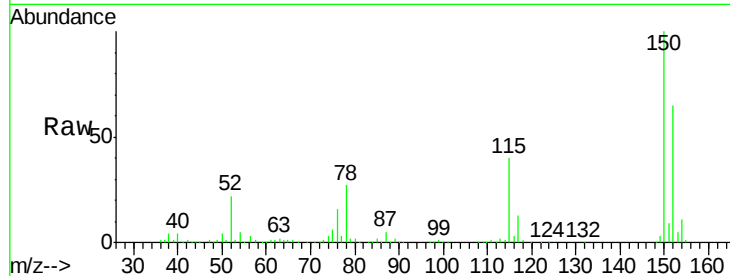


#1

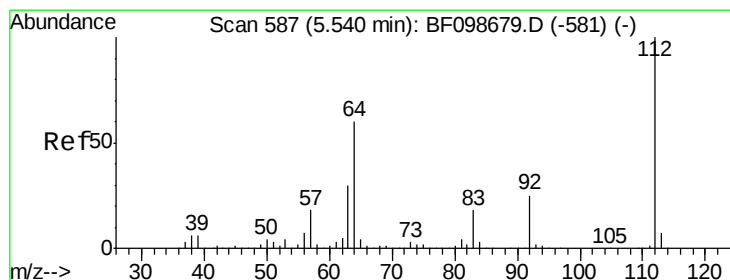
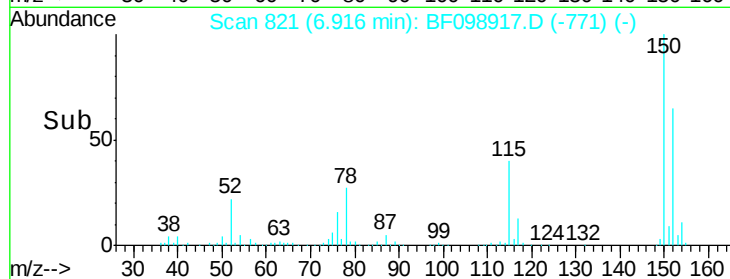
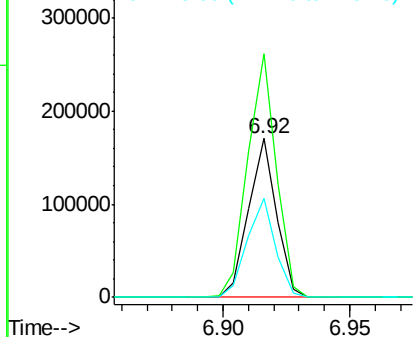
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131590
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 62.0 50.1 75.1



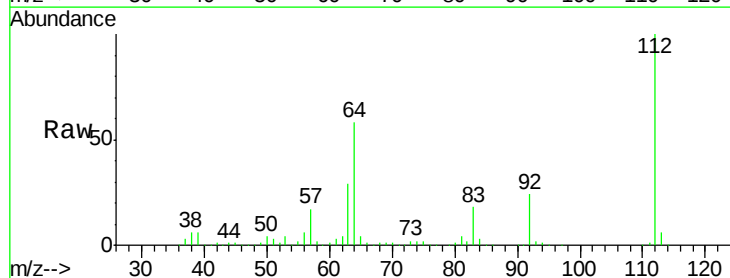
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



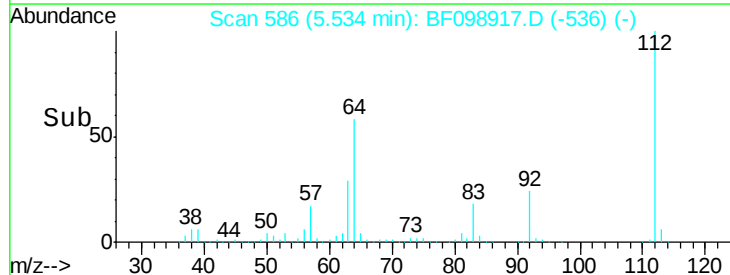
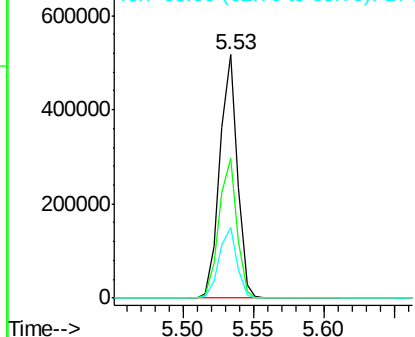
#5

2-Fluorophenol
Concen: 54.39 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion:112 Resp: 449562
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 28.9 23.7 35.5



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: 52.98 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Instrument :

BNA_F

ClientSampleId :

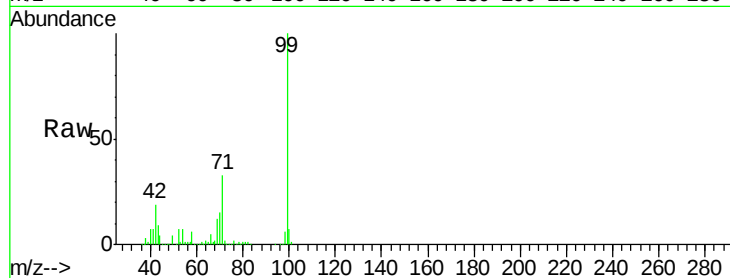
Tot Ion: 99 Resp: 540256

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

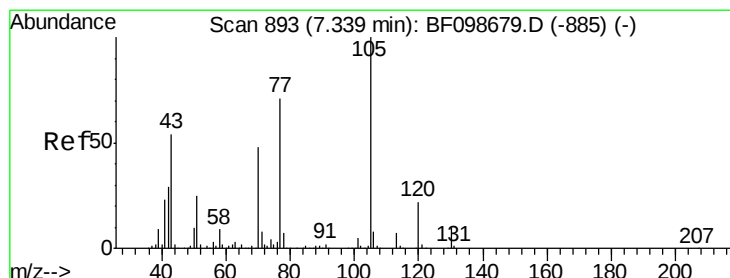
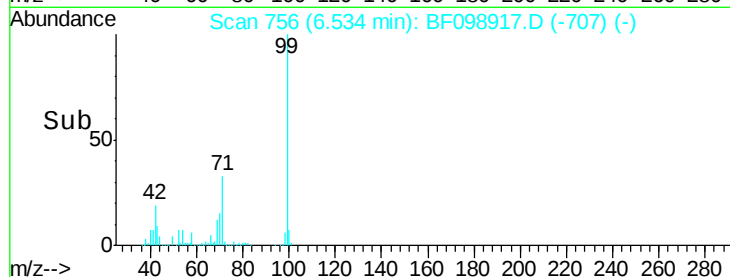
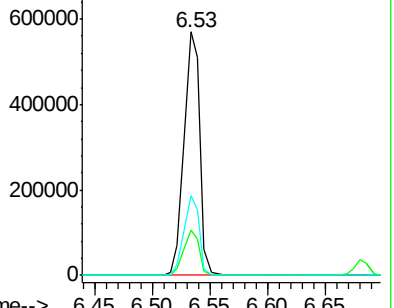
71 32.8 25.4 38.0



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: 6.65 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Tgt Ion: 70 Resp: 43277

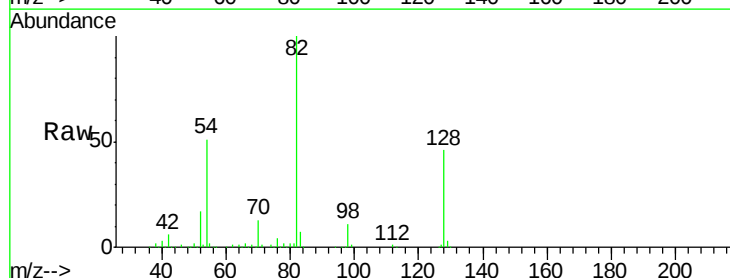
Ion Ratio Lower Upper

70 100

42 46.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

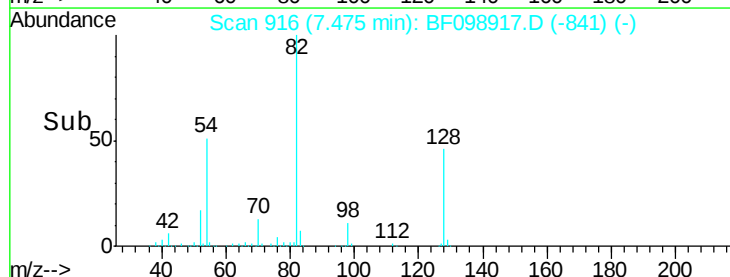
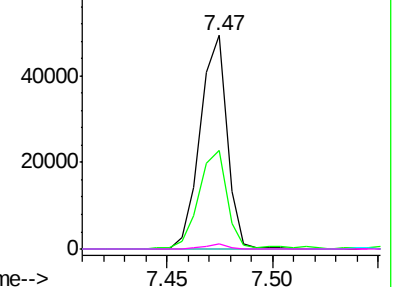


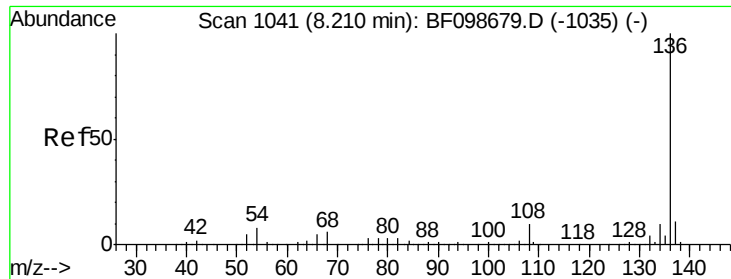
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

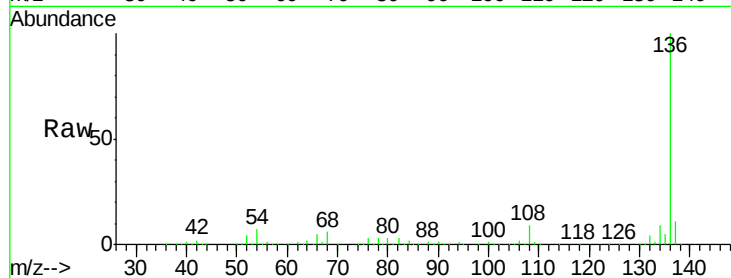




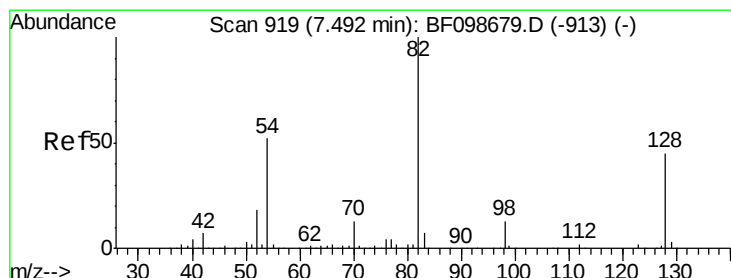
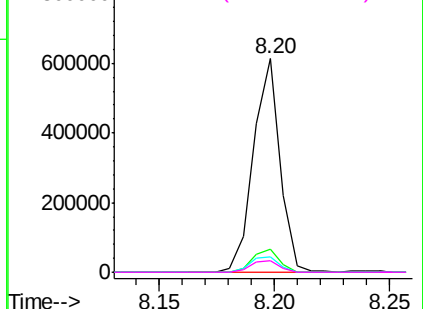
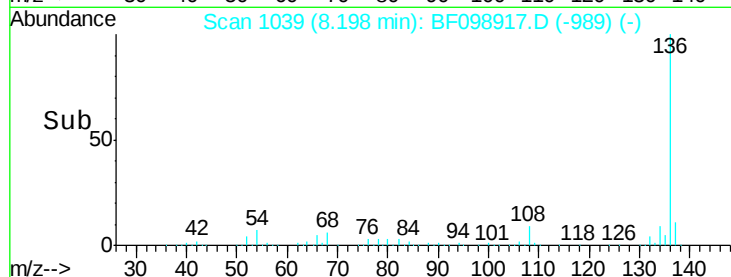
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	495744
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.5	6.6 9.8
68	5.7	5.0 7.4

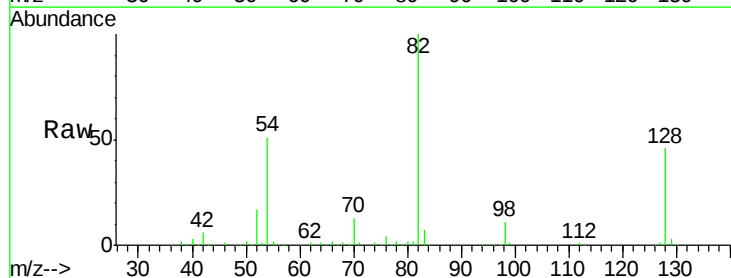


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

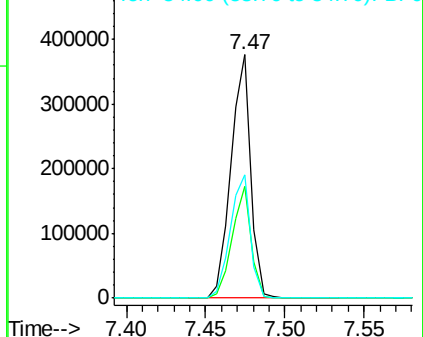
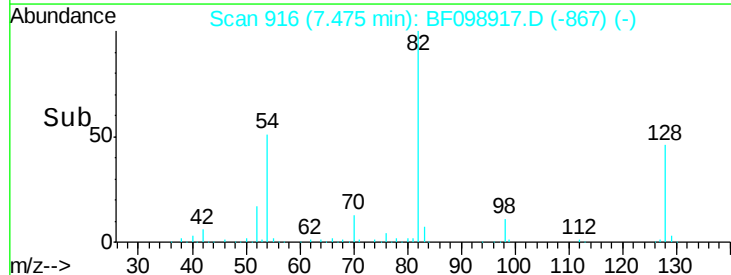


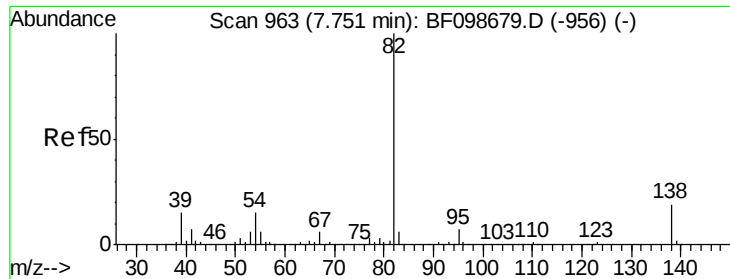
#23
Nitrobenzene-d5
Concen: 42.06 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion: 82	Resp:	325145
Ion Ratio	Lower	Upper
82	100	
128	46.1	36.1 54.1
54	50.5	41.4 62.2



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

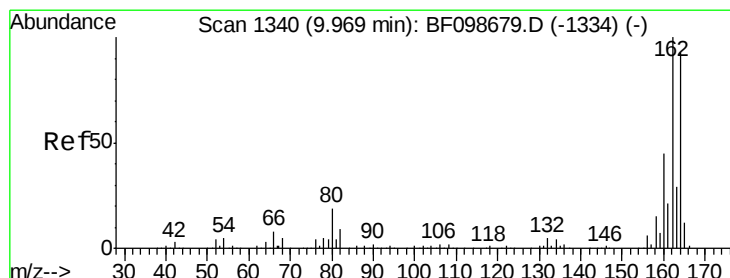
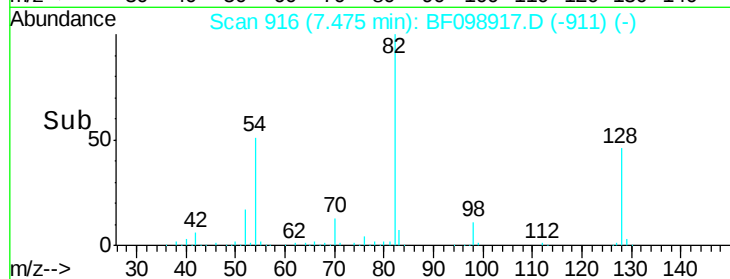
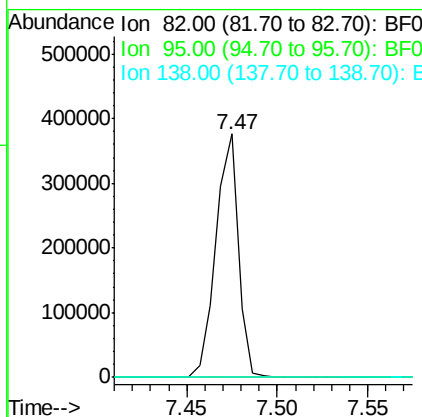
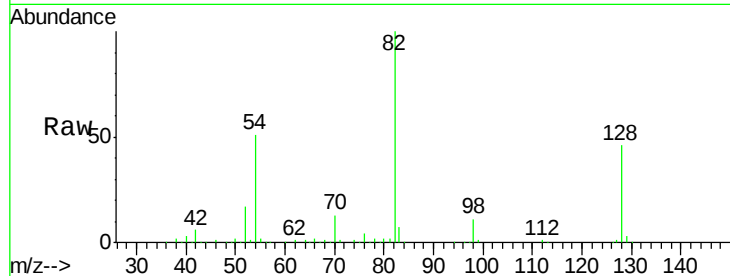




#25
Isophorone
Concen: 20.19 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.27 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

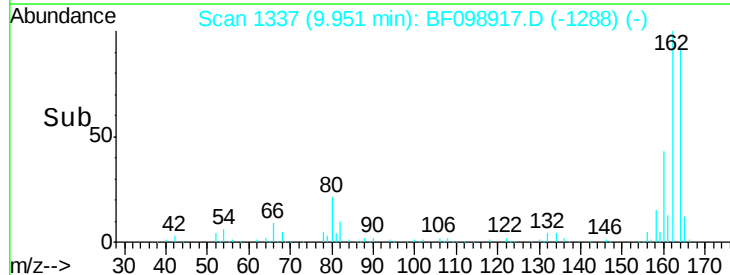
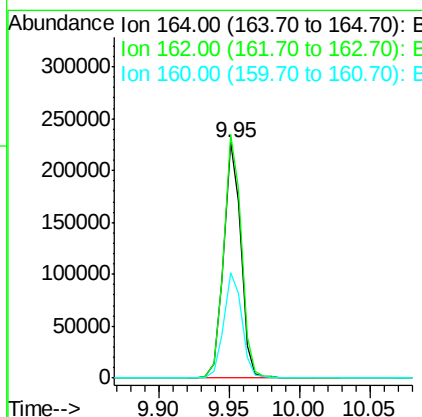
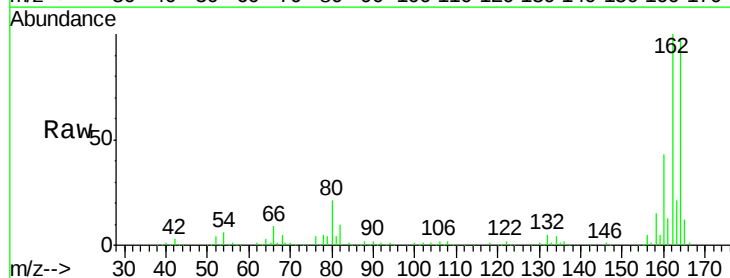
Instrument :
BNA_F
ClientSampleId :

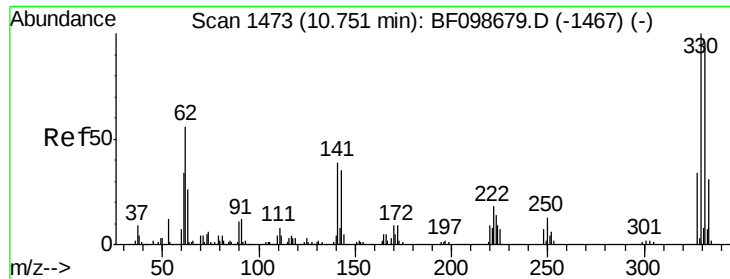
Tot Ion: 82 Resp: 322753
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion: 164 Resp: 193490
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 44.7 38.3 57.5

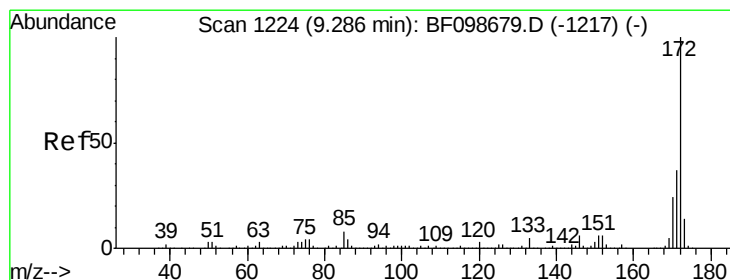
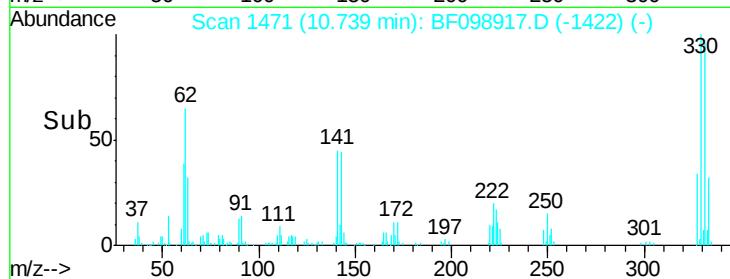
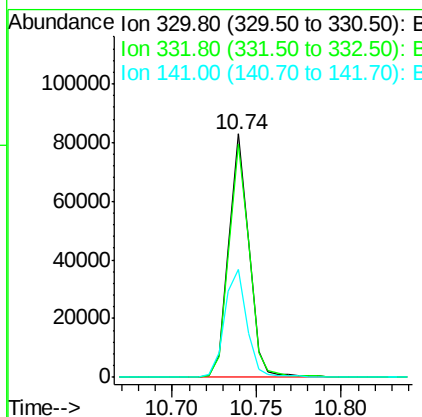
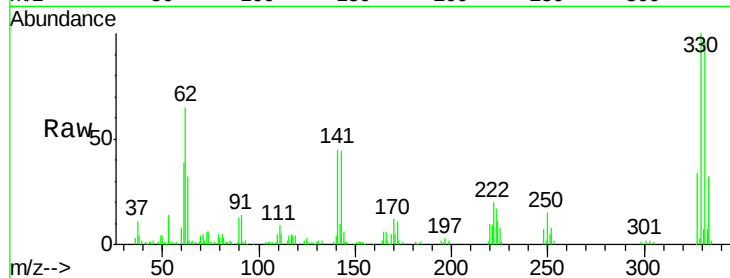




#41
 2,4,6-Tribromophenol
 Concen: 43.63 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098917.D
 Acq: 28 Sep 2017 20:07

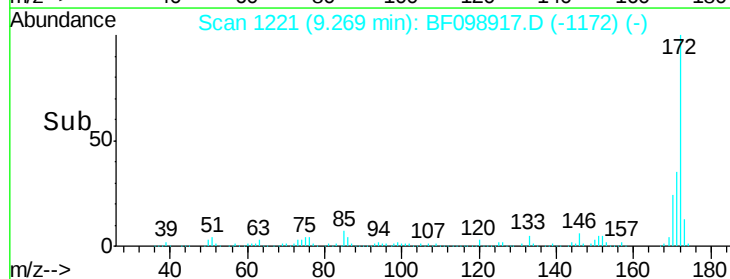
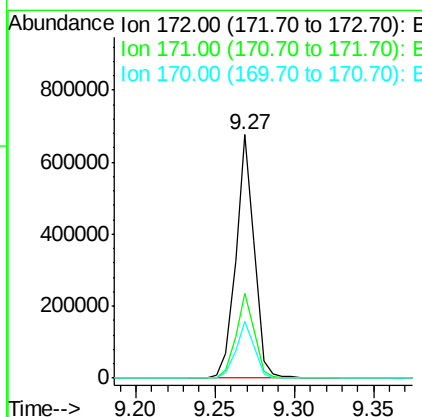
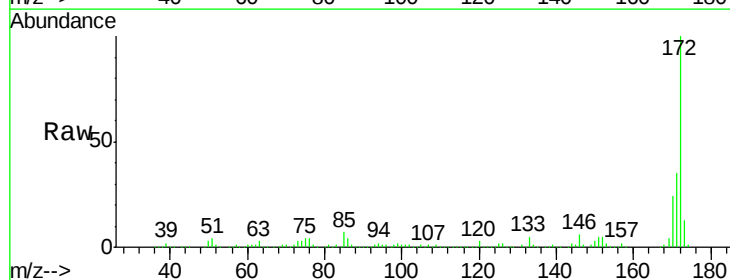
Instrument :
 BNA_F
 ClientSampleId :

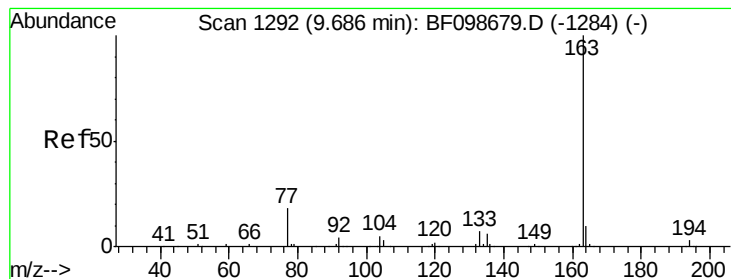
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	49.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 46.67 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098917.D
 Acq: 28 Sep 2017 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.5	19.6	29.4





#49

Dimethylphthalate

Concen: 6.70 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Instrument :

BNA_F

ClientSampled :

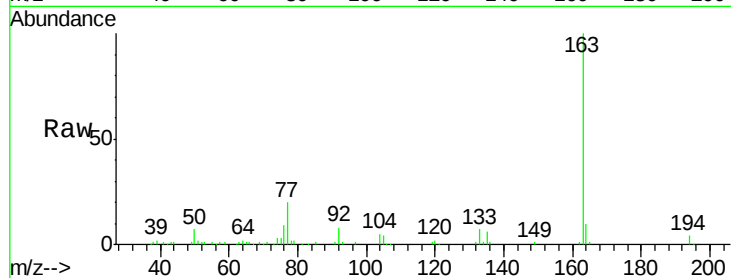
Tot Ion:163 Resp: 97782

Ion Ratio Lower Upper

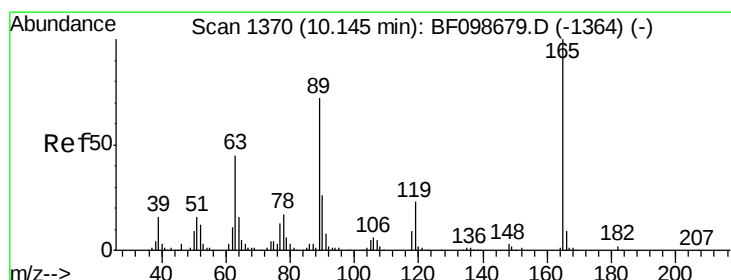
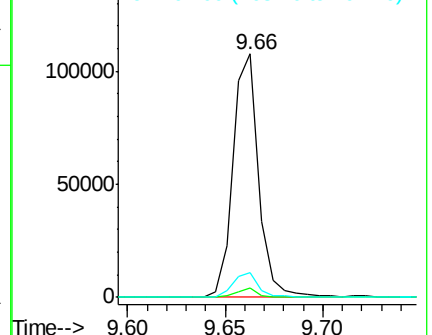
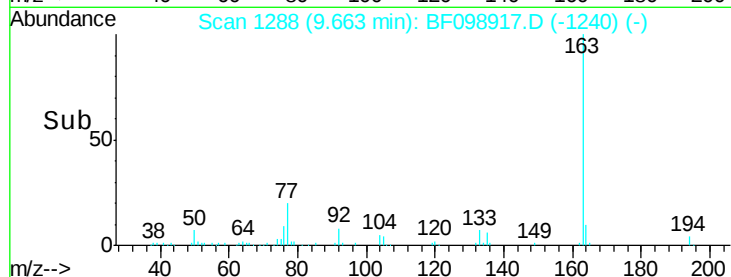
163 100

194 3.9 2.7 4.1

164 10.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.85 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Tgt Ion:165 Resp: 24158

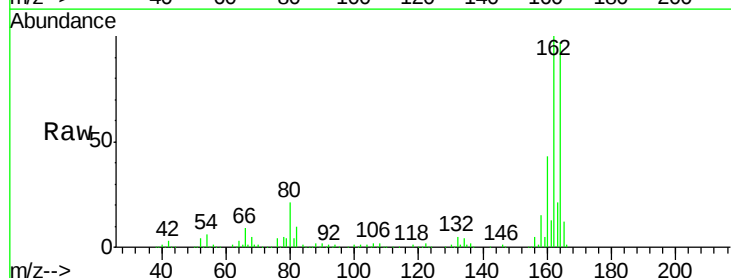
Ion Ratio Lower Upper

165 100

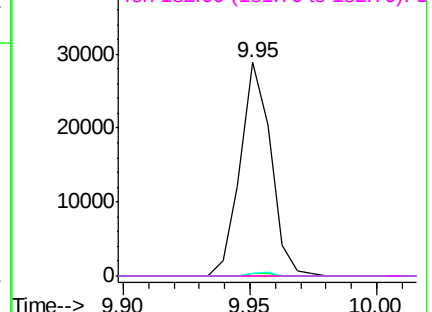
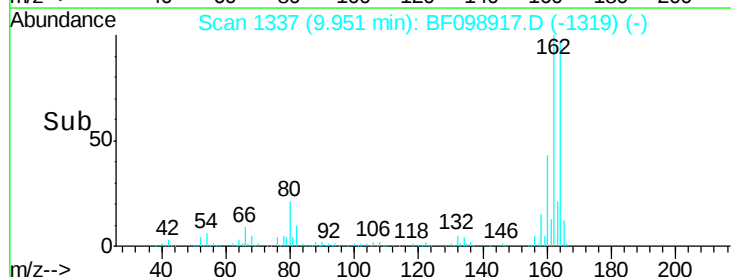
63 1.3 36.4 54.6#

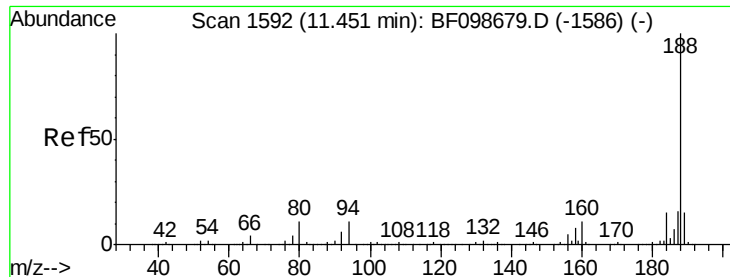
89 1.2 57.8 86.6#

182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

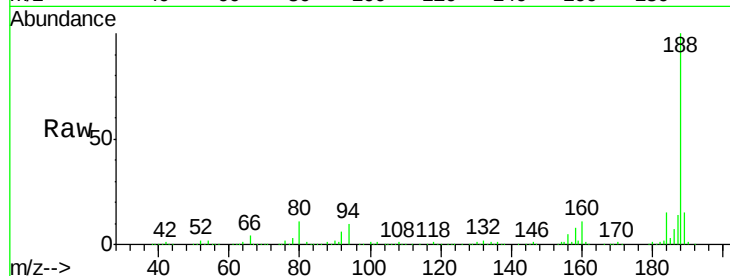




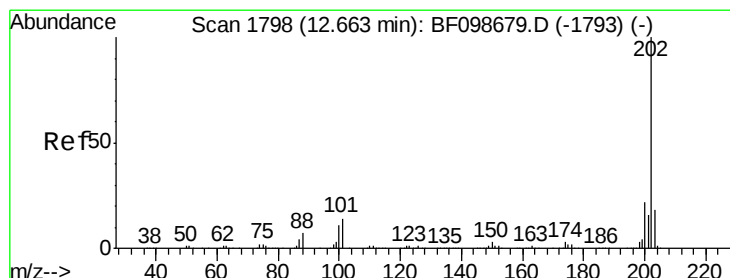
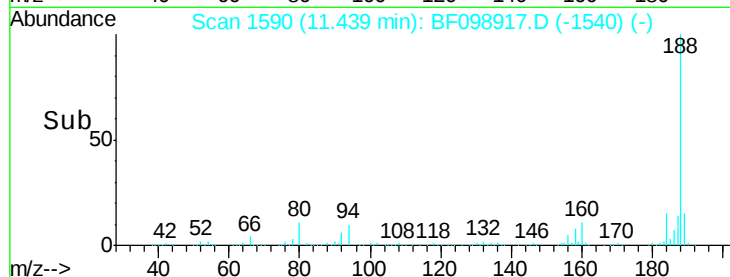
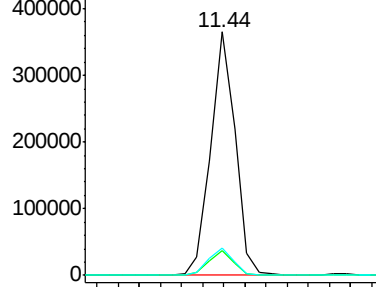
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.5	9.2	13.8

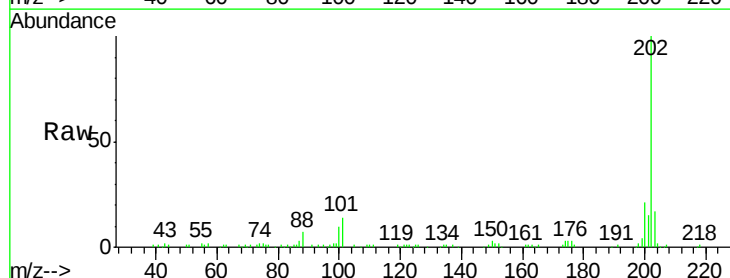


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

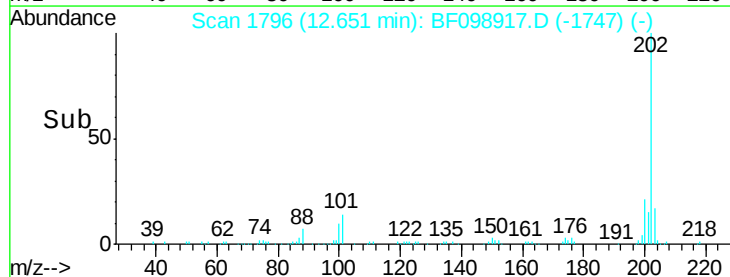
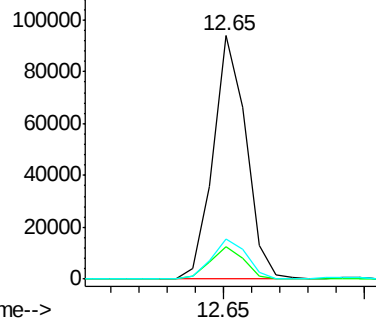


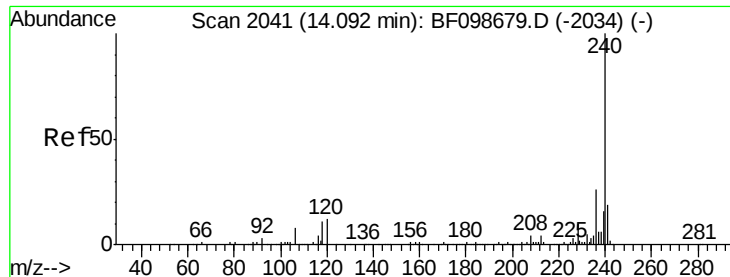
#74
Fluoranthene
Concen: 4.79 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	16.7	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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Instrument :

BNA_F

ClientSampleId :

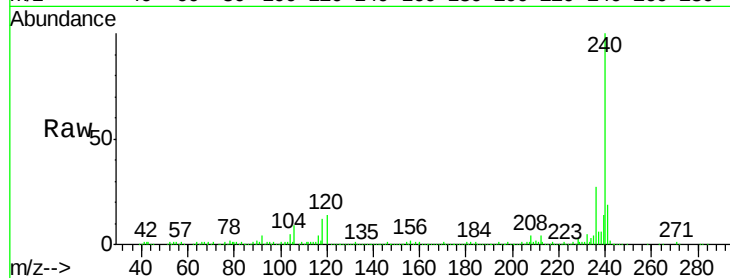
Tot Ion:240 Resp: 261216

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

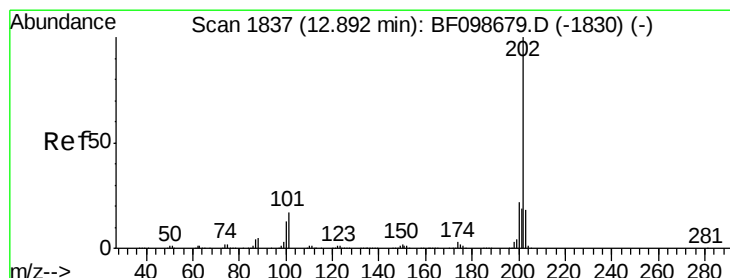
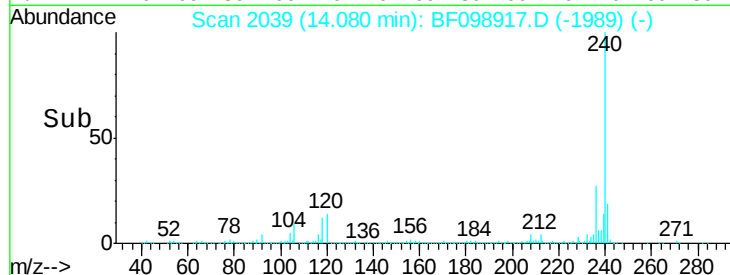
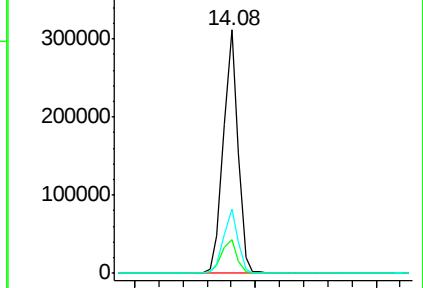
236 26.5 20.7 31.1



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: 3.85 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

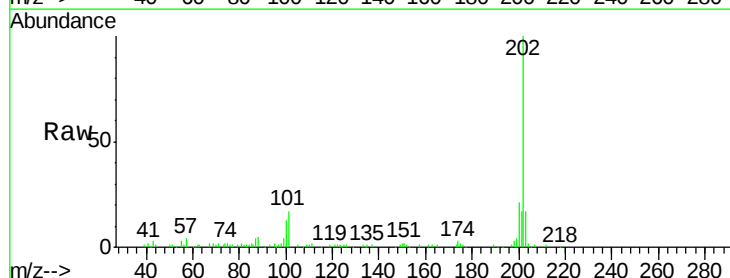
Tgt Ion:202 Resp: 76631

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

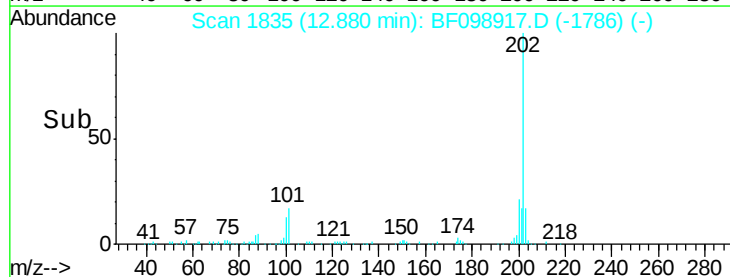
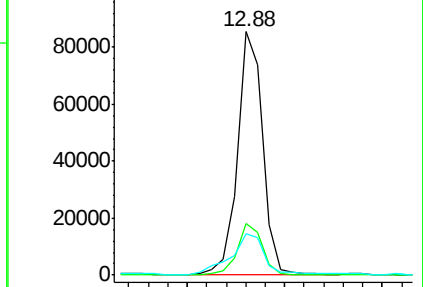
203 17.2 14.3 21.5

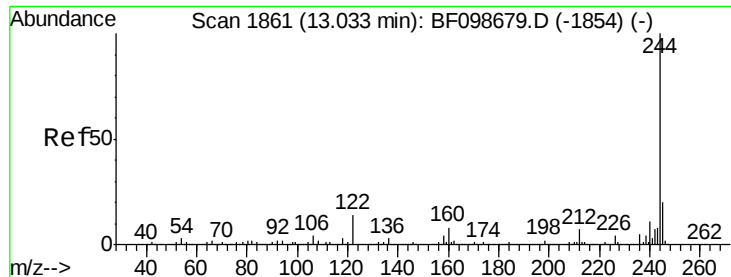


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.98 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

Instrument :

BNA_F

ClientSampleId :

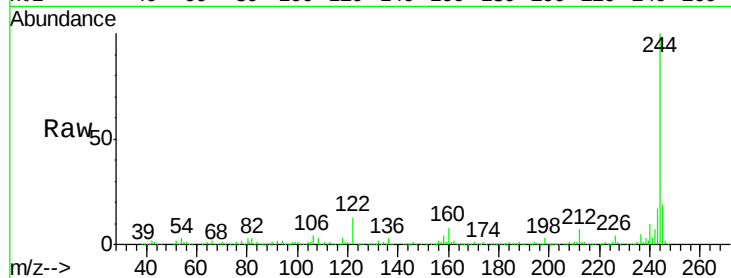
Tot Ion:244 Resp: 390309

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

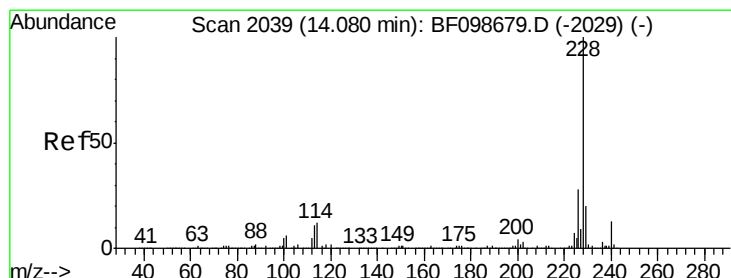
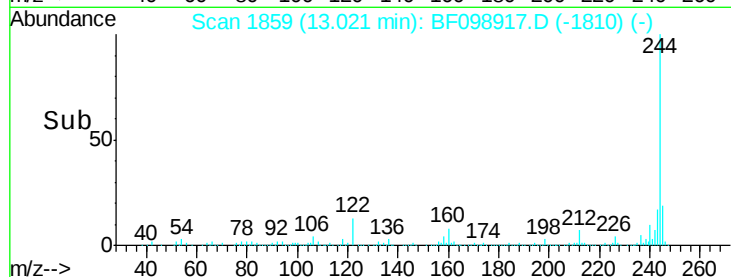
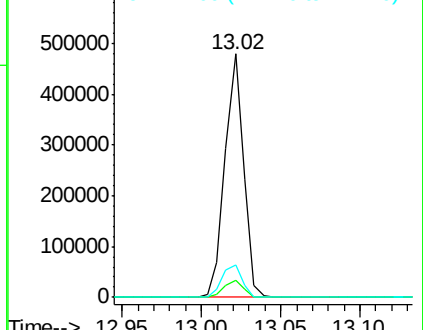
122 13.5 11.0 16.4



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: 3.03 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098917.D

Acq: 28 Sep 2017 20:07

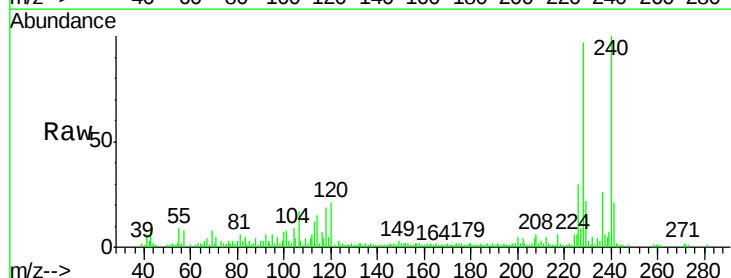
Tgt Ion:228 Resp: 47951

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

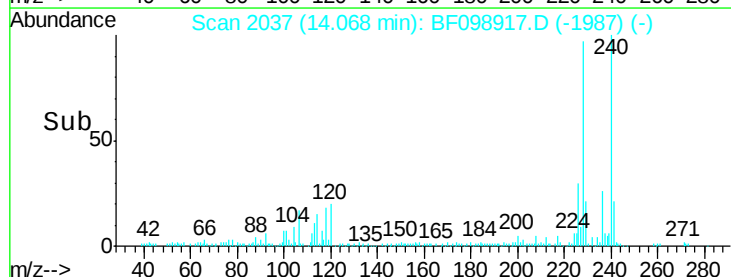
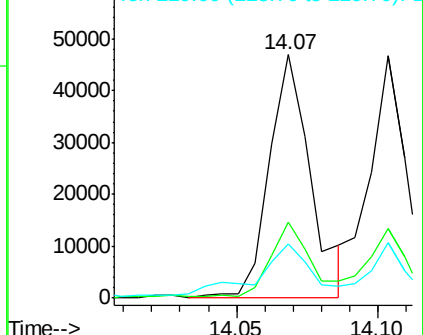
229 22.2 15.8 23.6

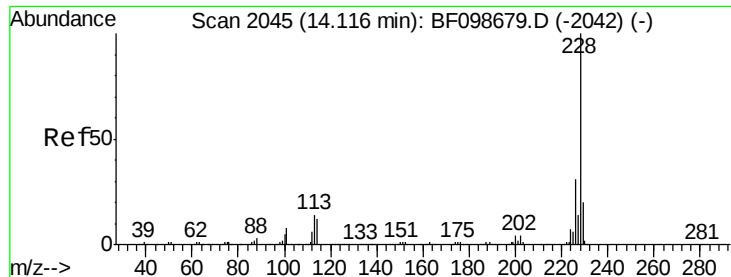


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

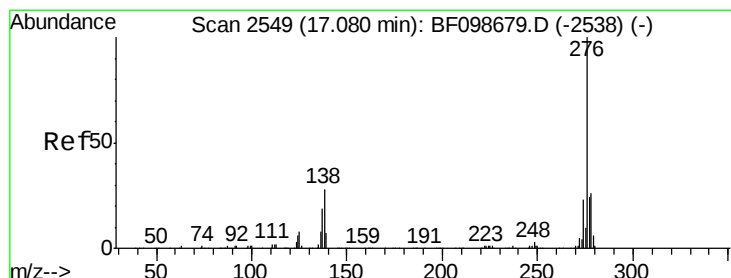
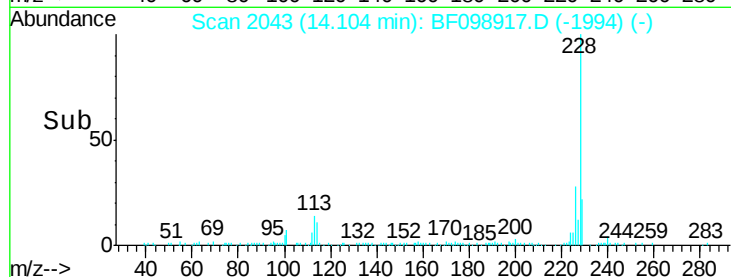
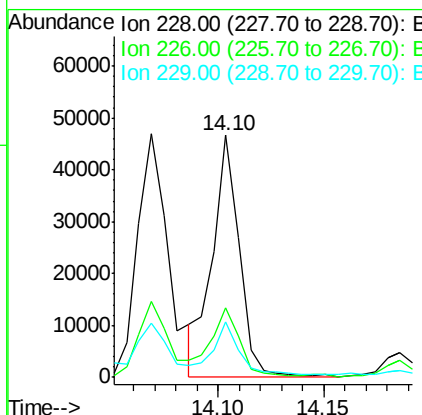
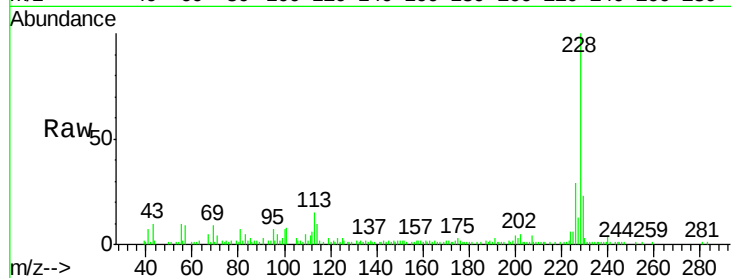




#82
Chrysene
Concen: 2.79 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

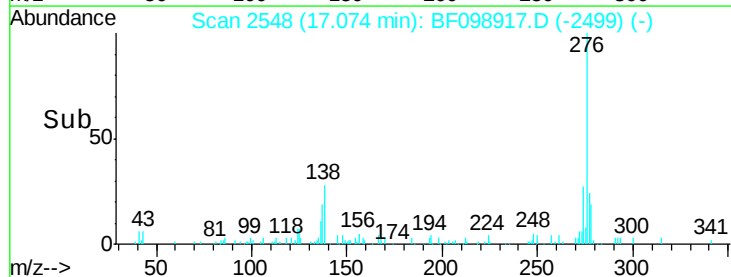
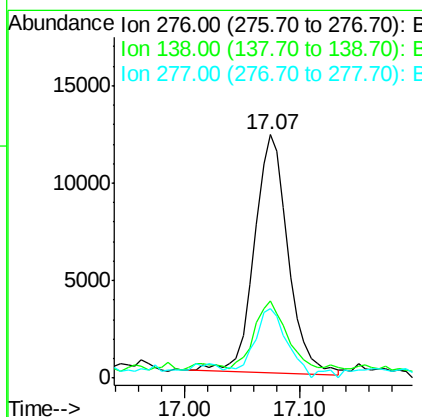
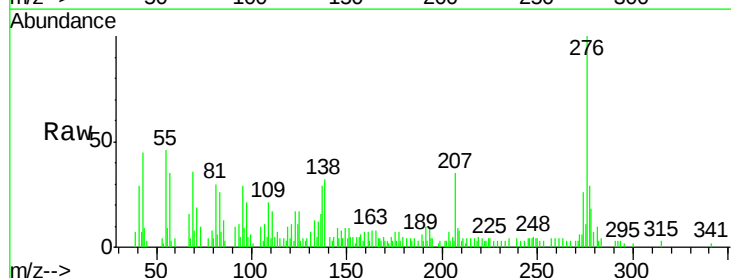
Instrument :
BNA_F
ClientSampleId :

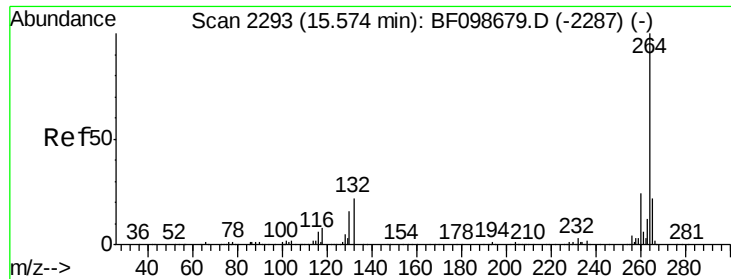
Tot Ion:228 Resp: 41983
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 22.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.08 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion:276 Resp: 24997
Ion Ratio Lower Upper
276 100
138 27.5 25.0 37.6
277 27.9 20.1 30.1

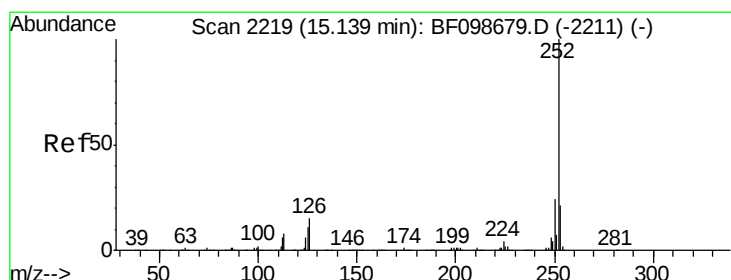
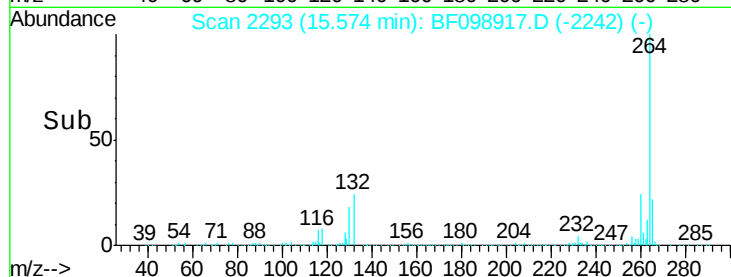
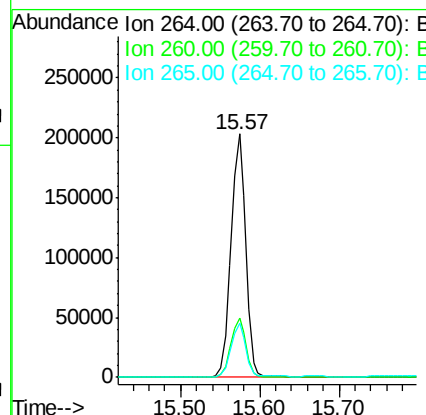
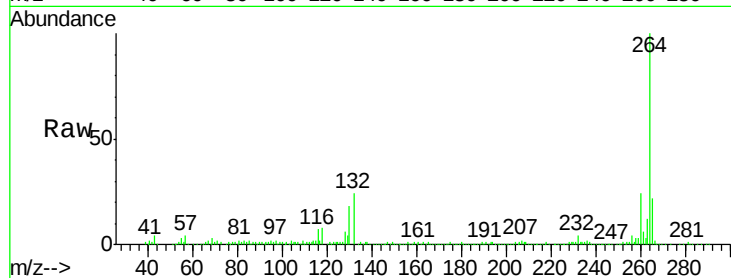




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

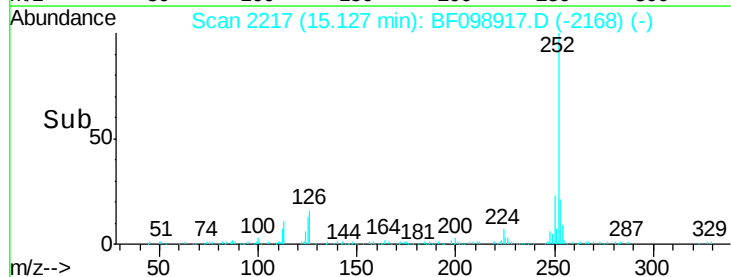
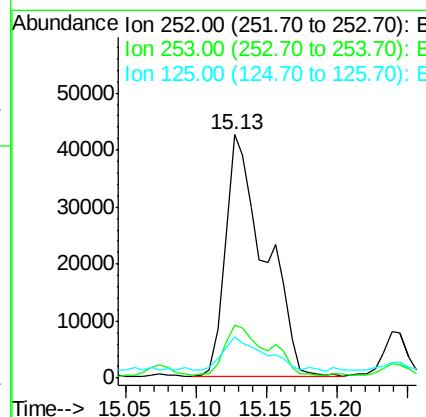
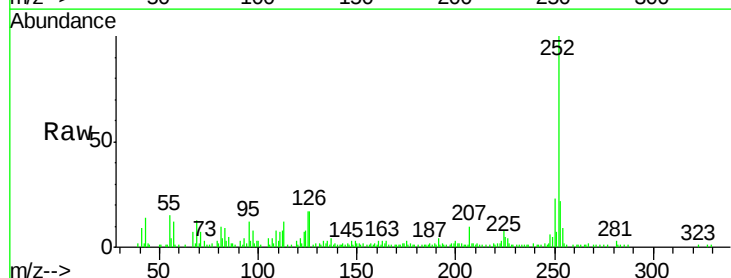
Instrument :
BNA_F
ClientSampleID :

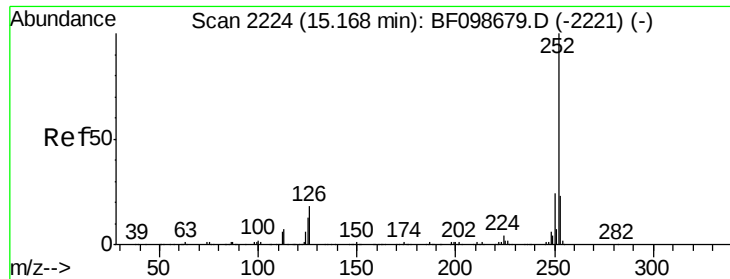
Tot Ion:264 Resp: 262881
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.09 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion:252 Resp: 82281
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 16.8 9.0 13.6#

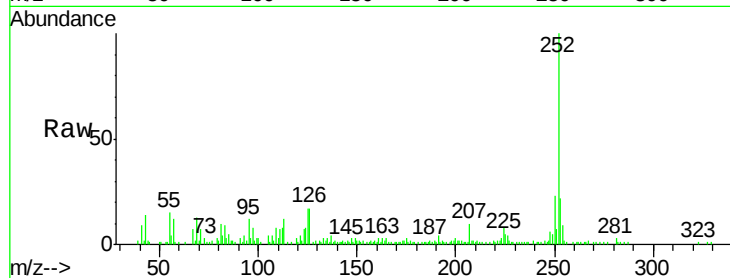




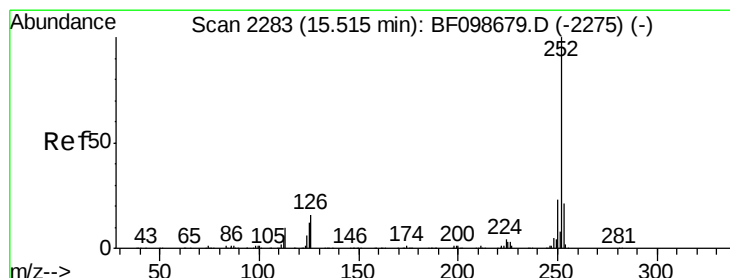
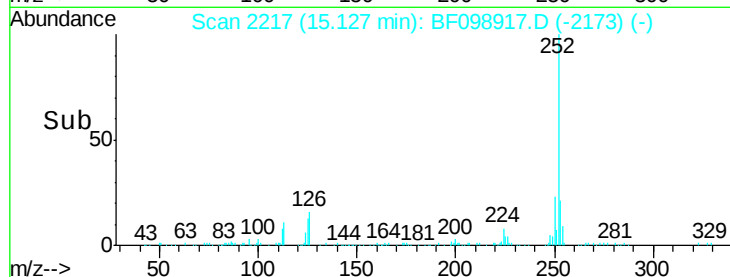
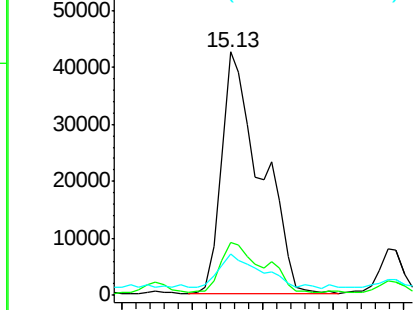
#88
Benzo(k)fluoranthene
Concen: 5.15 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	16.8	10.2	15.2

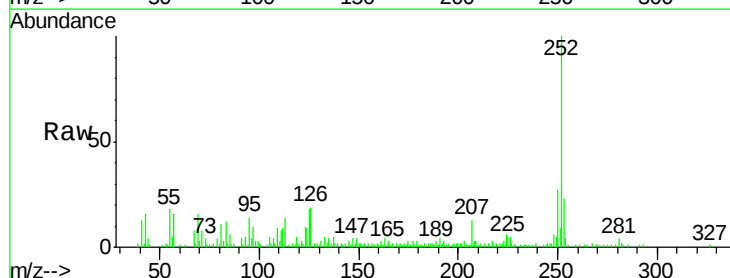


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

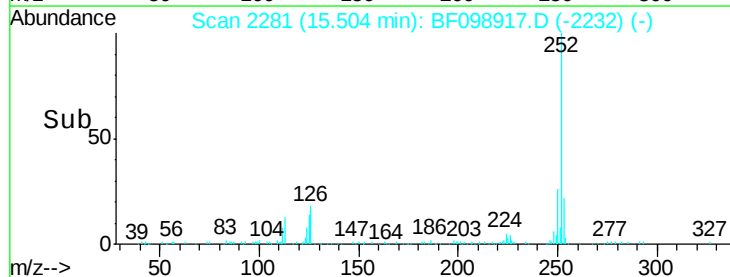
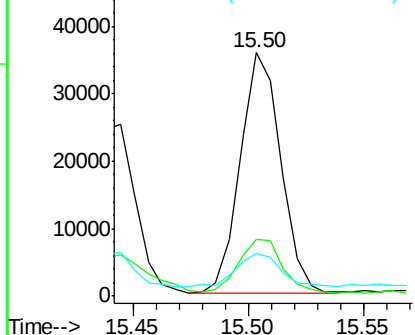


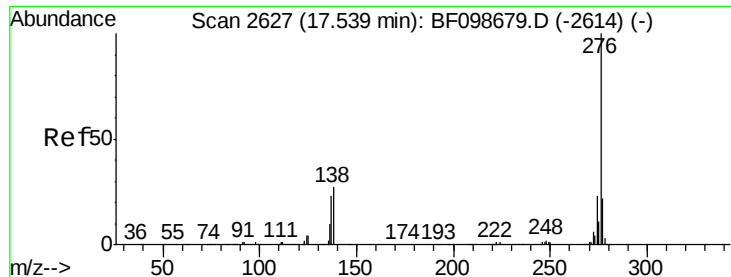
#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098917.D
Acq: 28 Sep 2017 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	17.5	9.8	14.6



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

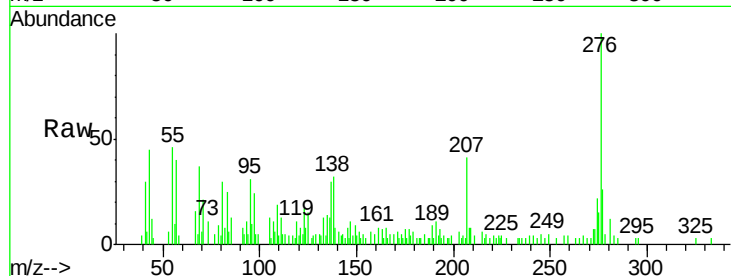




#91
 Benzo(a,h,i)perylene
 Concen: 2.03 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF098917.D
 Acq: 28 Sep 2017 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	39.0	21.8	32.8



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

