

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099090.D
 Acq On : 5 Oct 2017 2:08
 Operator : SJ/JU
 Sample : I5585-09 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 05:41:11 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

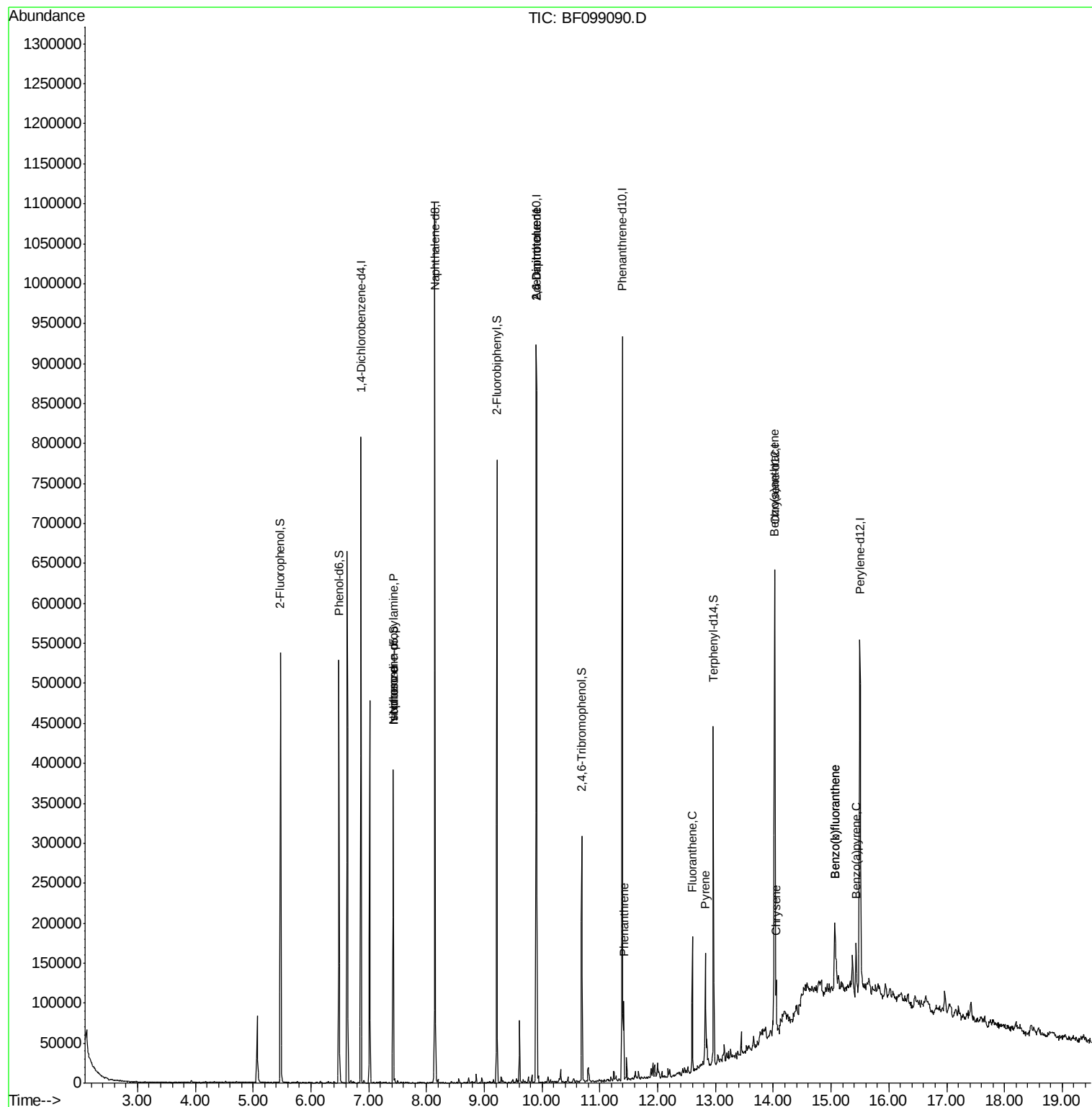
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	108824	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	441868	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	185793	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	288889	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	181925	20.00	ng	-0.06
86) Perylene-d12	15.50	264	187250	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	154052	22.54	ng	-0.06
7) Phenol-d6	6.49	99	185196	21.96	ng	-0.06
23) Nitrobenzene-d5	7.42	82	105746	15.35	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	28008	18.42	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	209750	18.85	ng	-0.06
78) Terphenyl-d14	12.96	244	123611	15.45	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	12982	2.41	ng	# 78
25) Isophorone	7.42	82	105296	7.39	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	23712	7.77	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	23712	5.98	ng	# 23
70) Phenanthrene	11.41	178	32241	2.08	ng	99
74) Fluoranthene	12.60	202	56183	3.59	ng	100
77) Pyrene	12.83	202	51096	3.68	ng	97
80) Benzo(a)anthracene	14.02	228	23493	2.13	ng	93
82) Chrysene	14.05	228	24429	2.33	ng	94
87) Benzo(b)fluoranthene	15.06	252	52219	4.54	ng	# 90
88) Benzo(k)fluoranthene	15.06	252	52219	4.59	ng	# 93
89) Benzo(a)pyrene	15.43	252	26001	2.46	ng	# 94

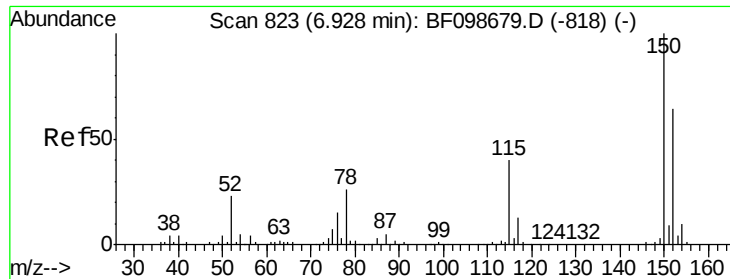
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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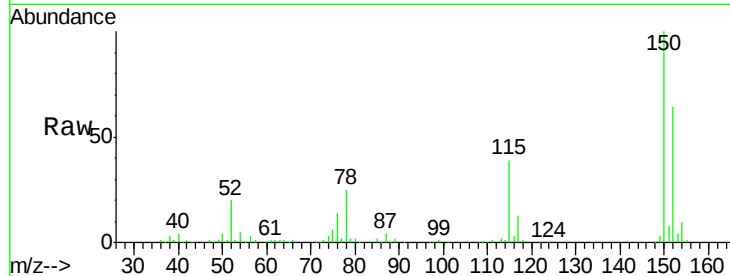


#1

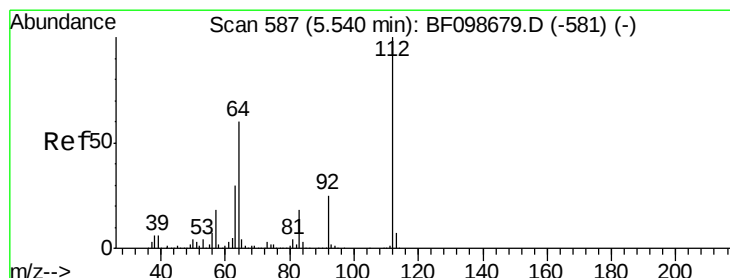
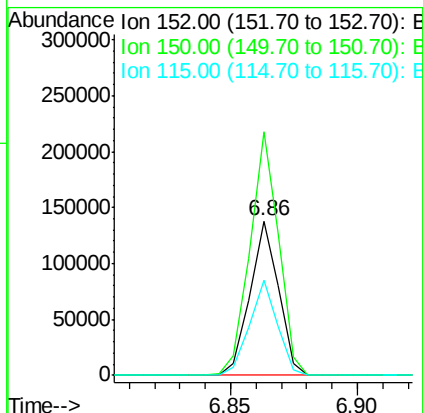
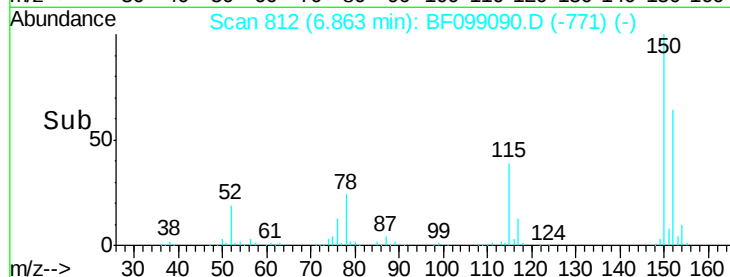
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	61.3	50.1	75.1



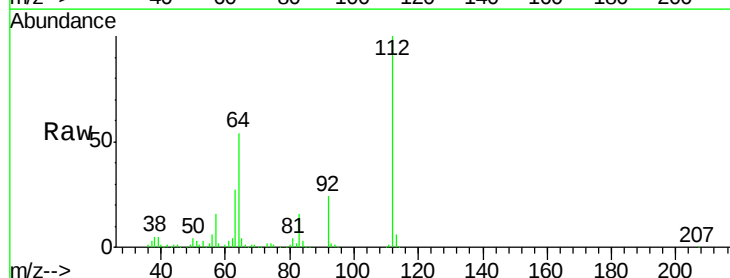
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



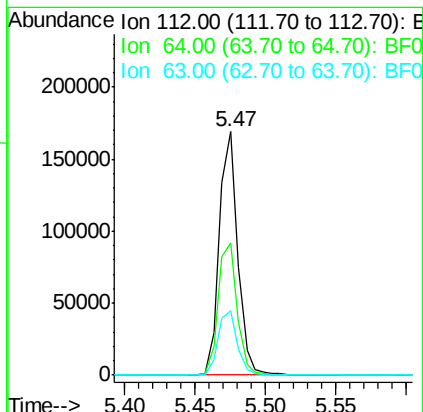
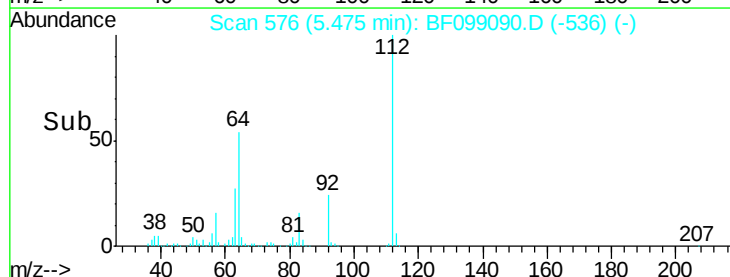
#5

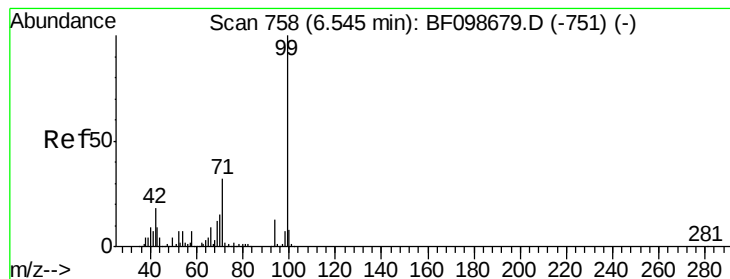
2-Fluorophenol
Concen: 22.54 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	26.7	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: 21.96 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

ClientSampleId :

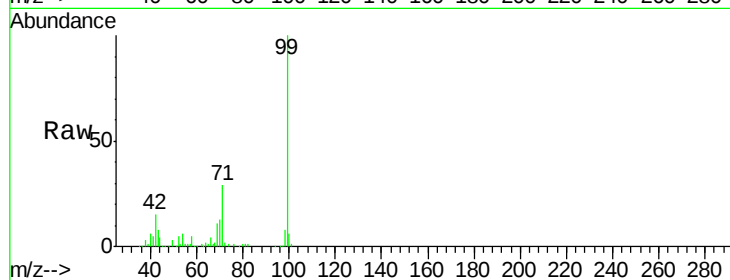
Tot Ion: 99 Resp: 185196

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

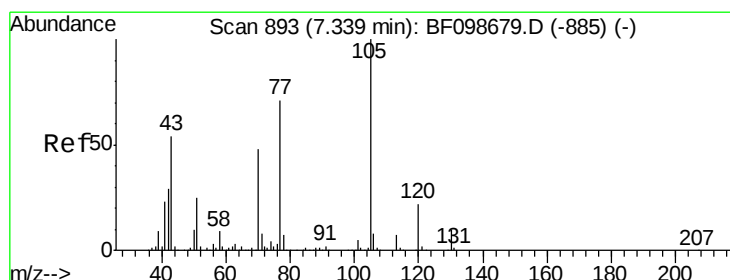
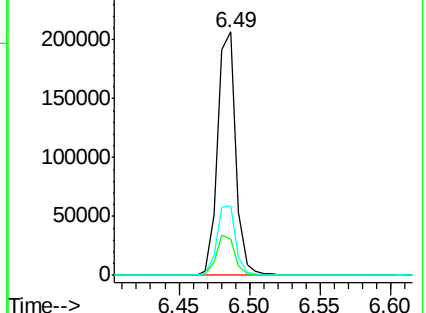
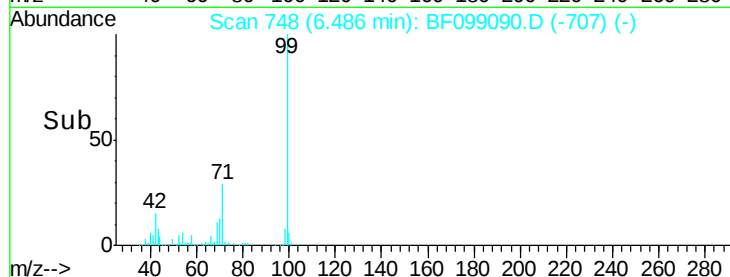
71 28.8 25.4 38.0



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: 2.41 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.09 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion: 70 Resp: 12982

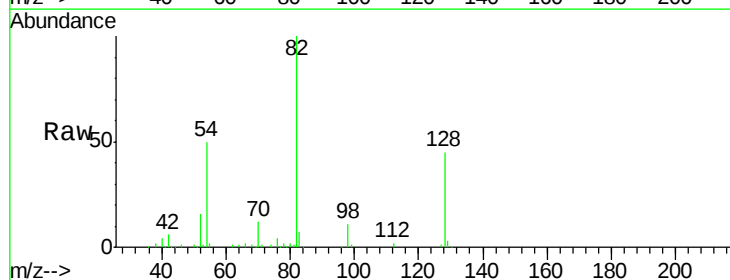
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

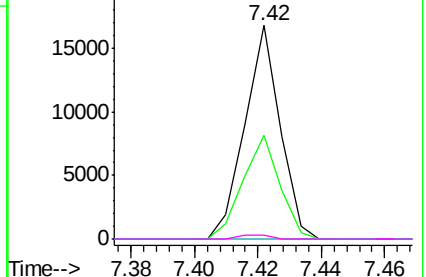
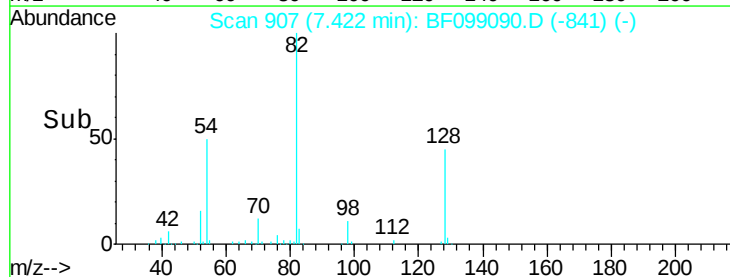


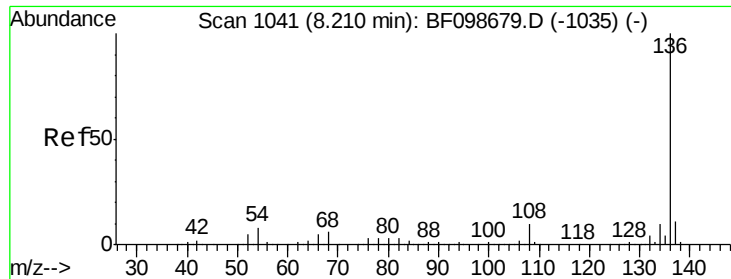
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

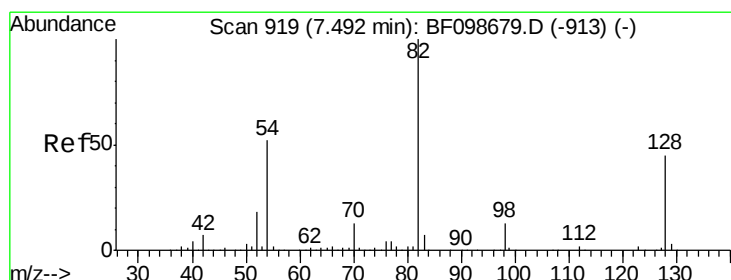
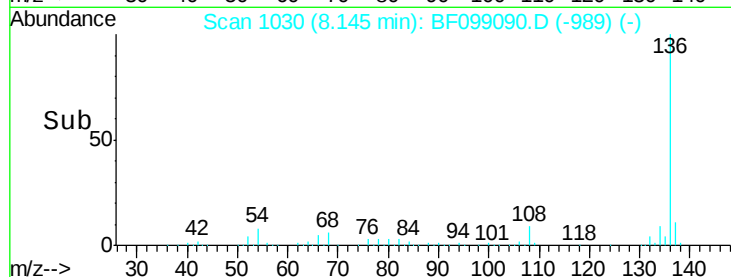
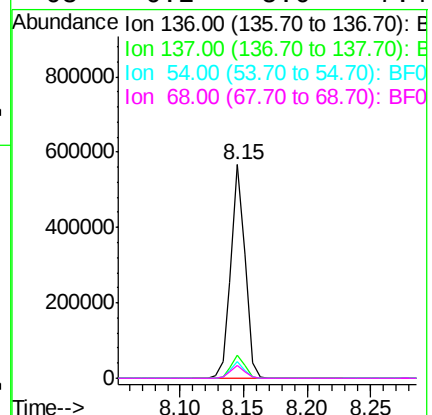
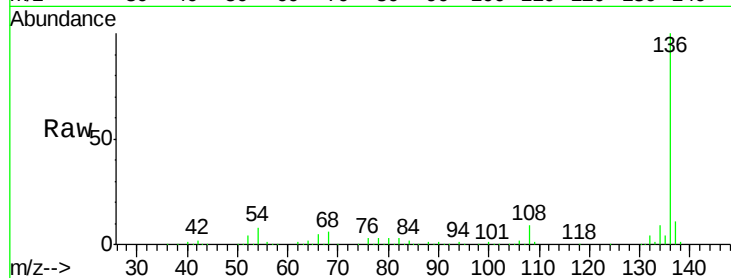




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

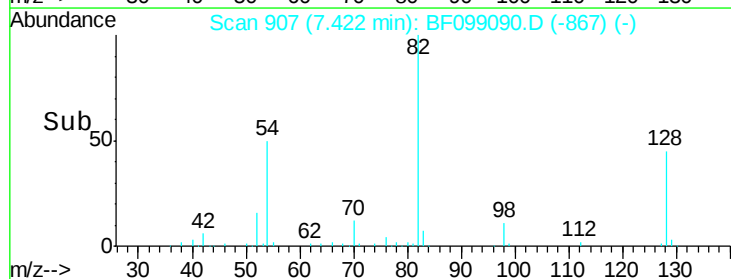
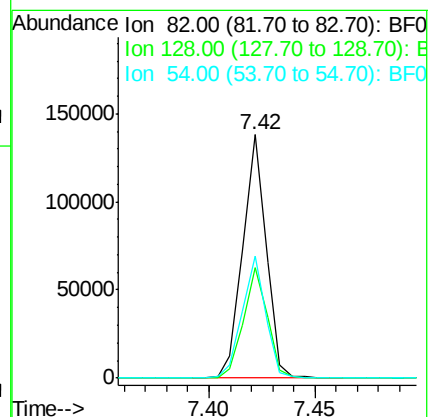
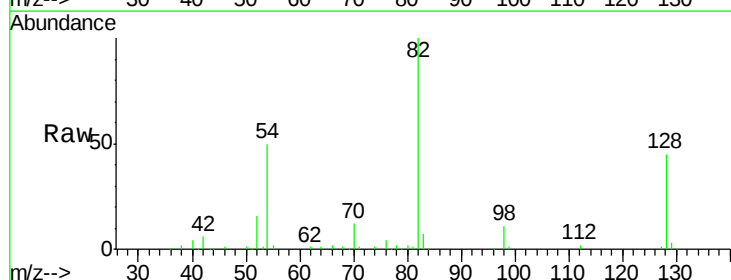
Instrument :
BNA_F
ClientSampleId :

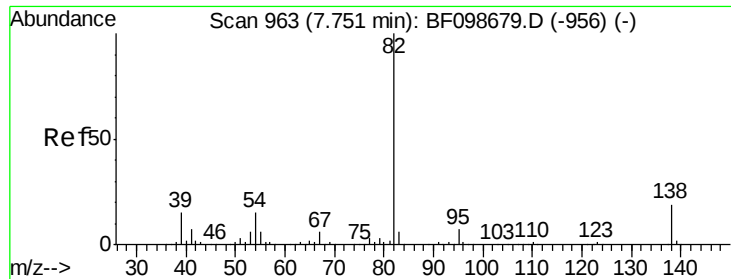
Tot Ion:136	Resp:	441868
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	8.0	6.6 9.8
68	6.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 15.35 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion: 82	Resp:	105746
Ion Ratio	Lower	Upper
82	100	
128	45.2	36.1 54.1
54	49.9	41.4 62.2





#25

Isophorone

Concen: 7.39 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.32 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

ClientSampleId :

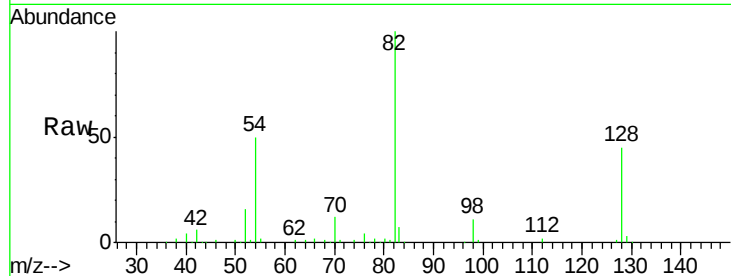
Tot Ion: 82 Resp: 105296

Ion Ratio Lower Upper

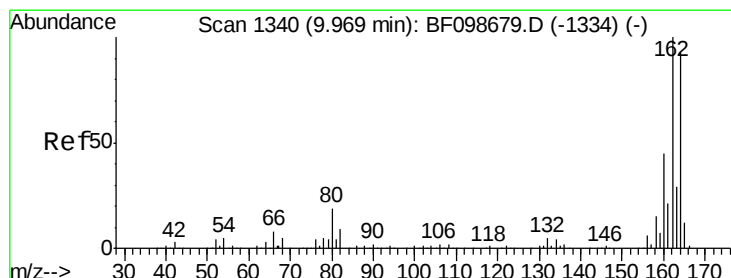
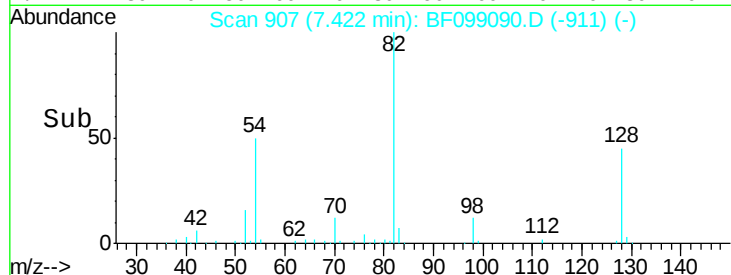
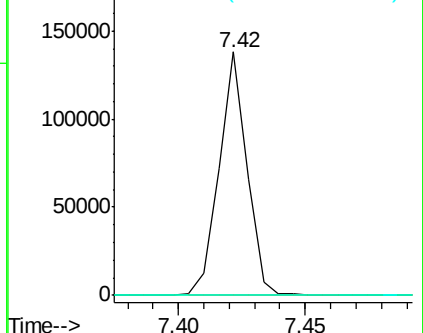
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

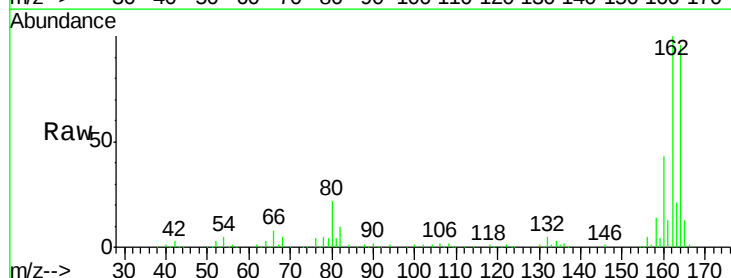
Tgt Ion: 164 Resp: 185793

Ion Ratio Lower Upper

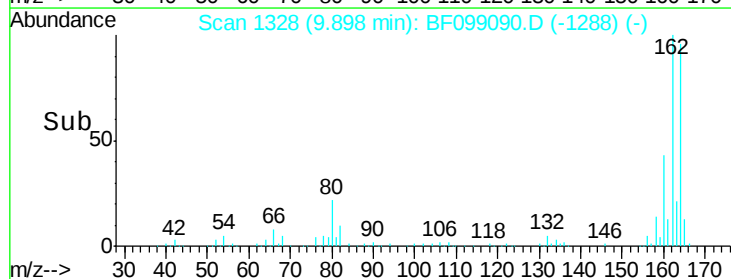
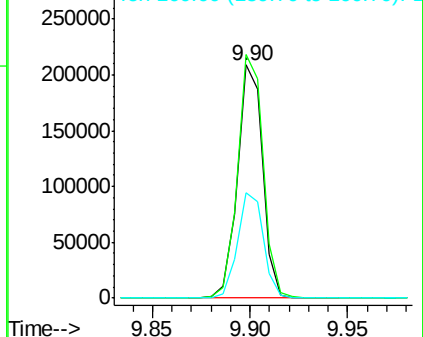
164 100

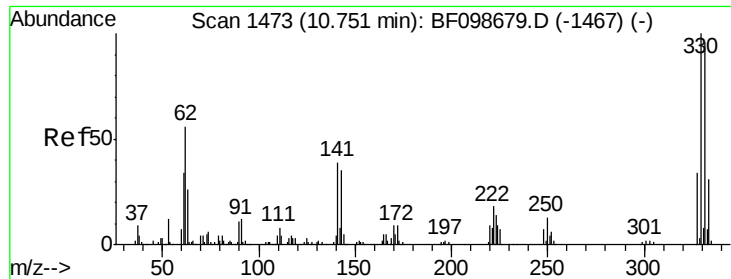
162 104.4 86.1 129.1

160 45.3 38.3 57.5



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

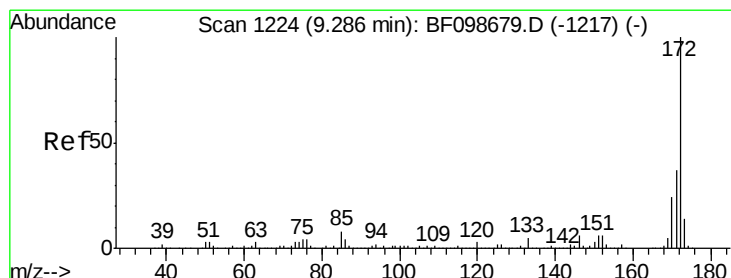
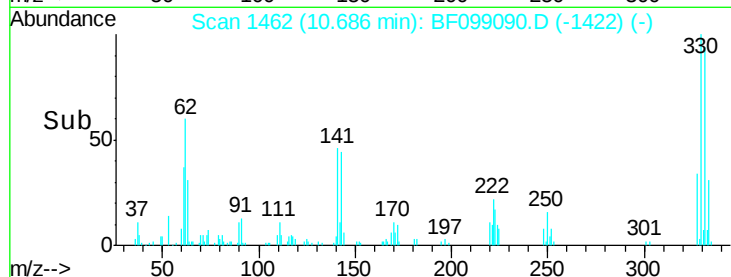
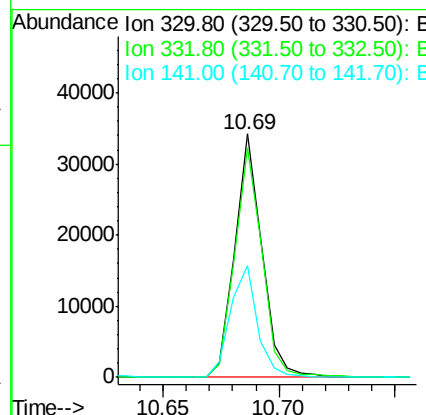
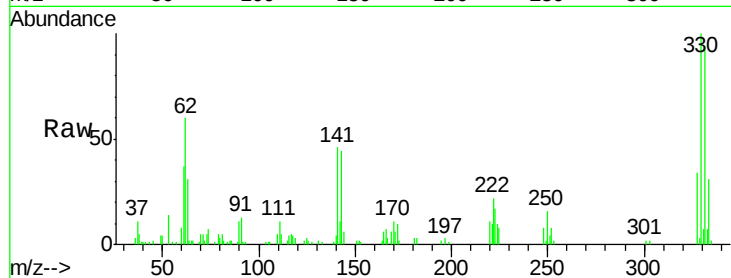




#41
 2,4,6-Tribromophenol
 Concen: 18.42 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

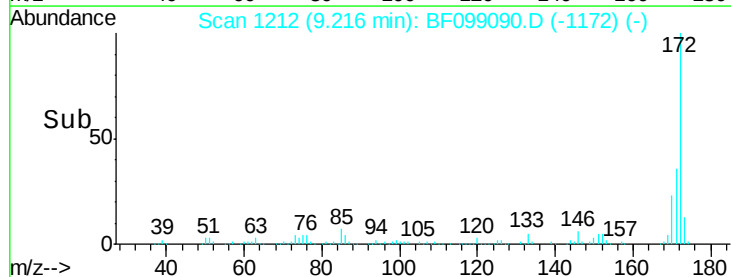
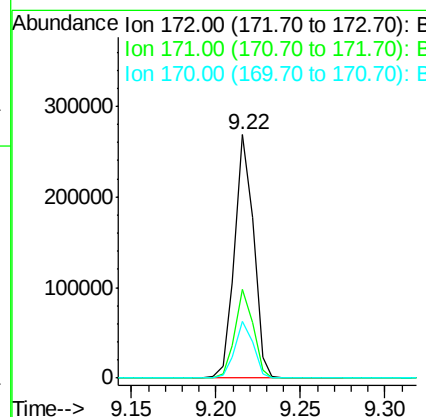
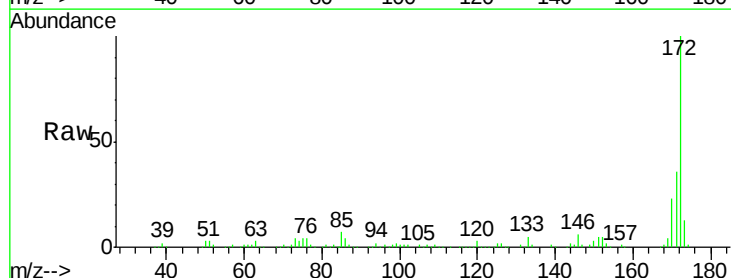
Instrument :
 BNA_F
 ClientSampleId :

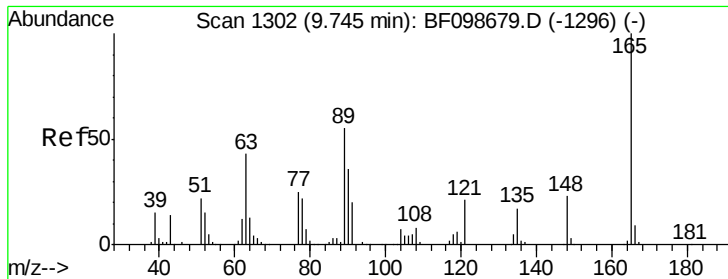
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	46.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 18.85 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.06 min
 Lab File: BF099090.D
 Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.5	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 7.77 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.16 min

Lab File: BF099090.D

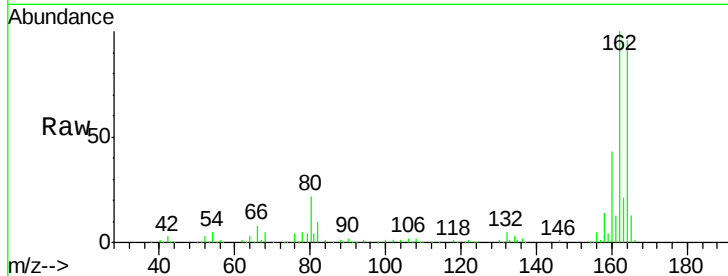
Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

ClientSampleId :

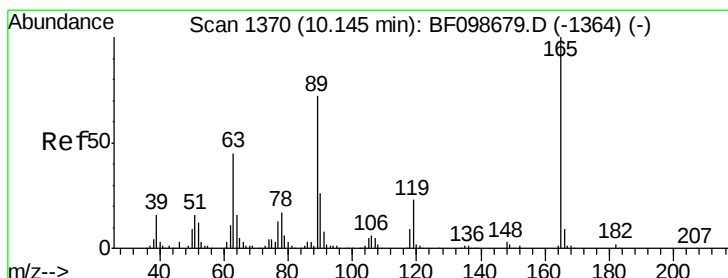
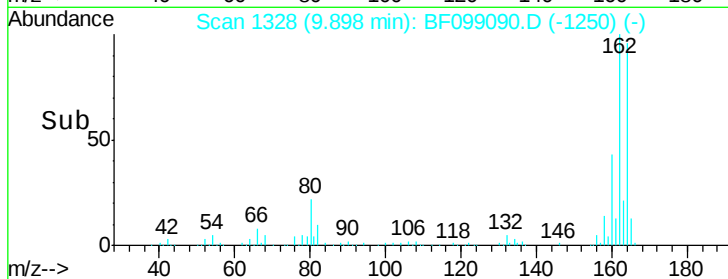
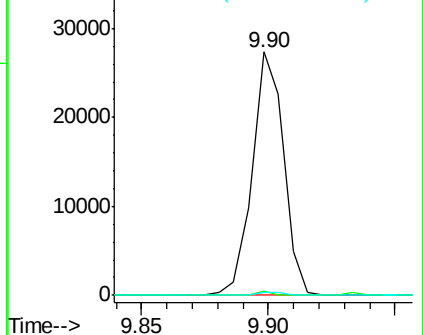
Tot Ion:165	Resp:	23712
Ion Ratio	Lower	Upper
165	100	
63	1.8	44.7 67.1#
89	1.2	44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 5.98 ng

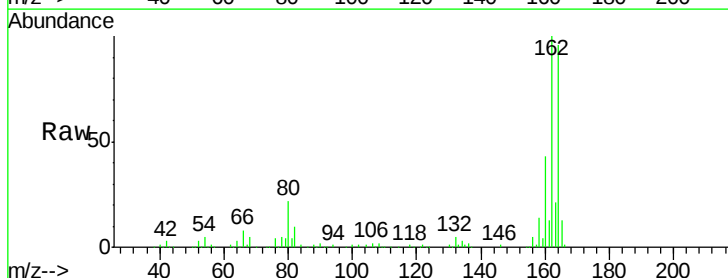
RT: 9.90 min Scan# 1328

Delta R.T. -0.25 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Tgt Ion:165	Resp:	23712
Ion Ratio	Lower	Upper
165	100	
63	1.8	36.4 54.6#
89	1.2	57.8 86.6#
182	0.0	1.6 2.4#

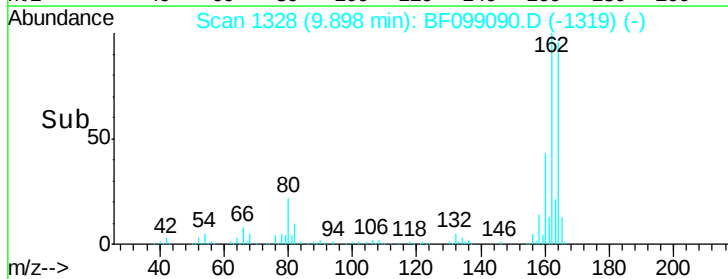
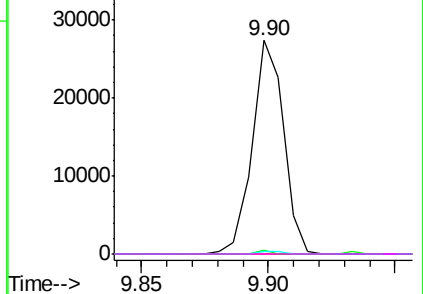


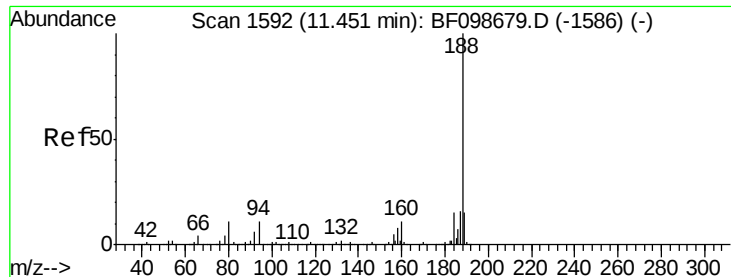
Abundance Ion 165.00 (164.70 to 165.70): E

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

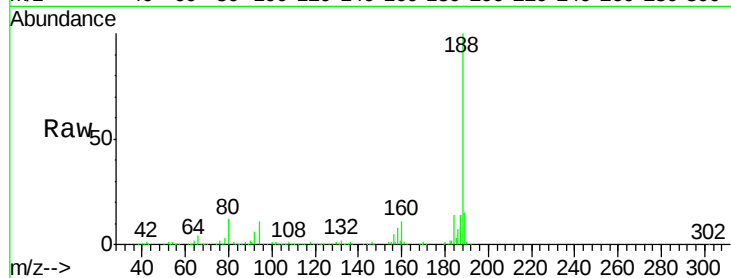




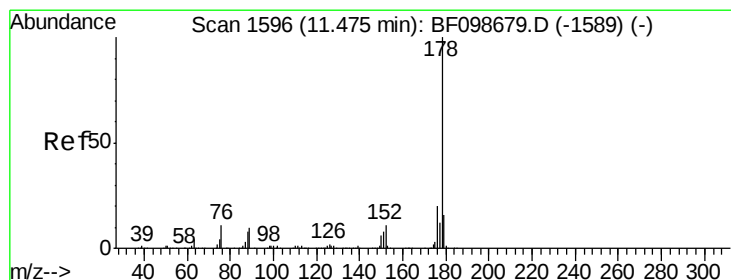
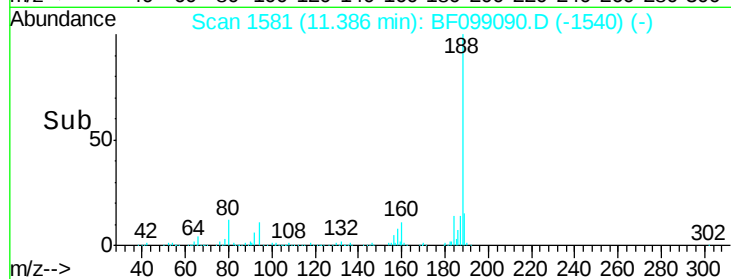
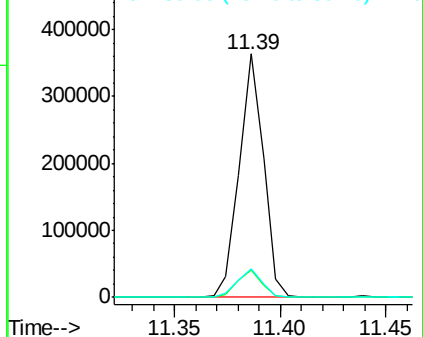
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.9	9.2	13.8

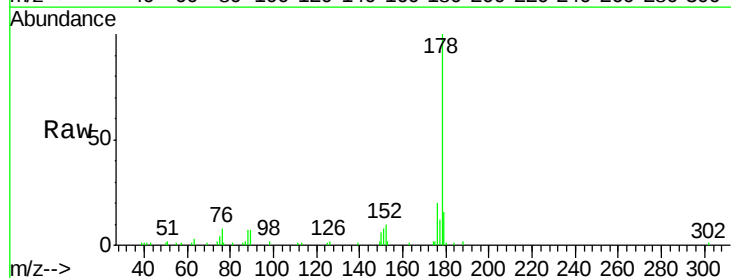


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

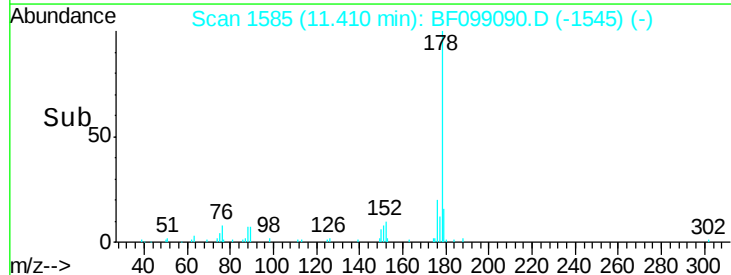
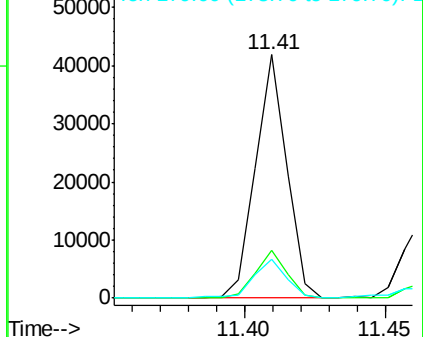


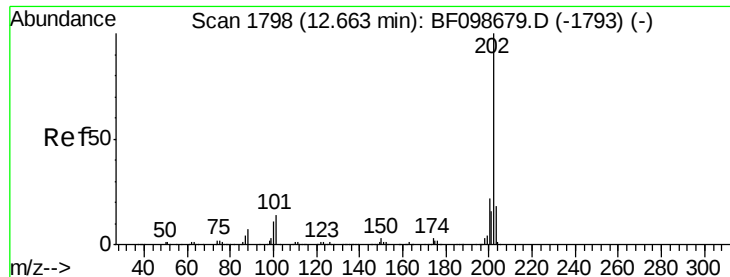
#70
Phenanthrene
Concen: 2.08 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.9	13.0	19.6



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: 3.59 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

ClientSampleId :

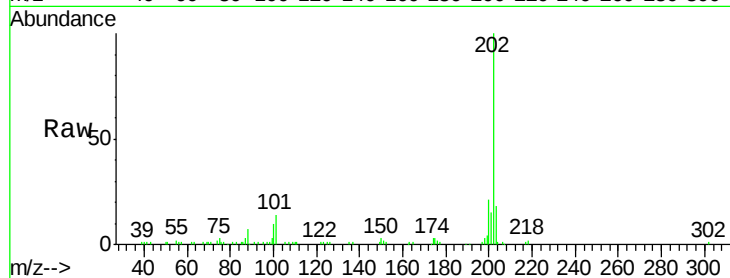
Tot Ion:202 Resp: 56183

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

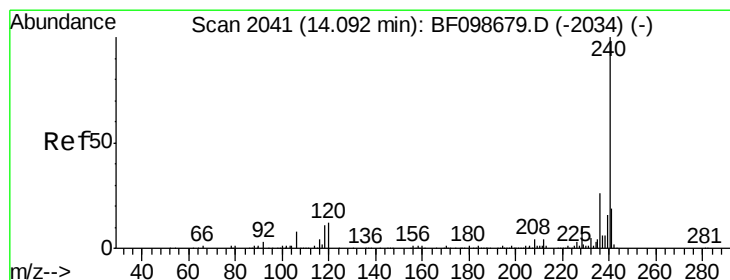
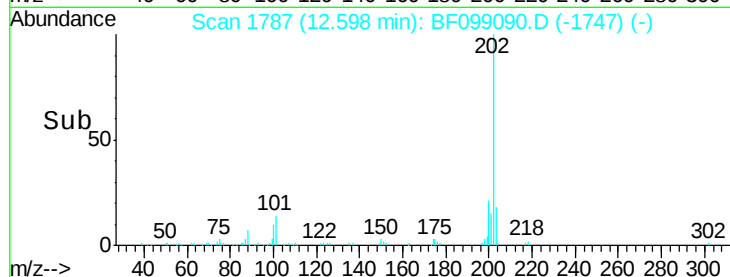
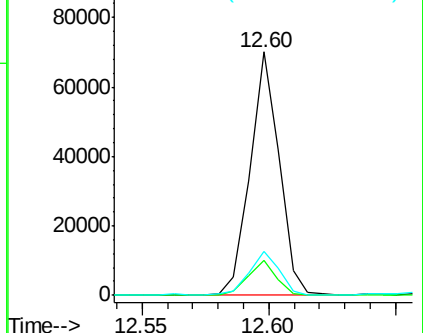
203 18.2 0.0 38.1



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: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

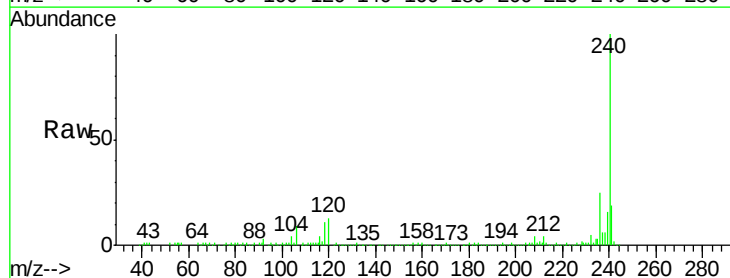
Tgt Ion:240 Resp: 181925

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

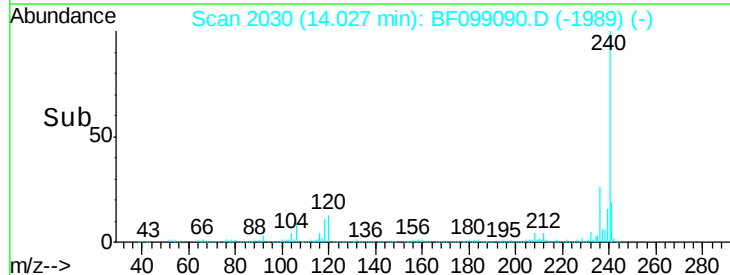
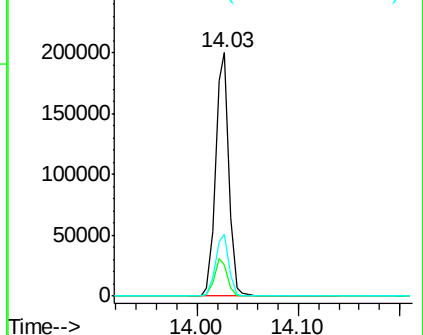
236 25.5 20.7 31.1

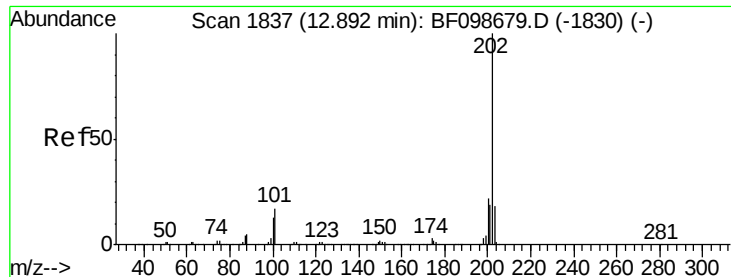


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.68 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.06 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

Instrument :

BNA_F

ClientSampleId :

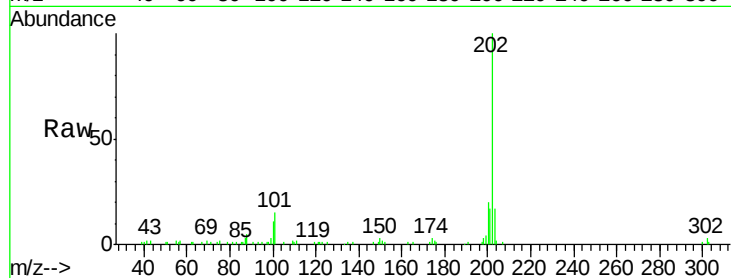
Tot Ion:202 Resp: 51096

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

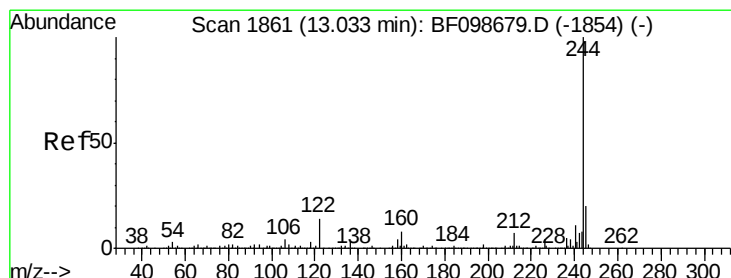
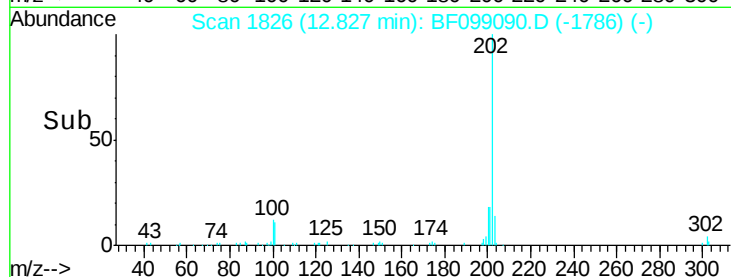
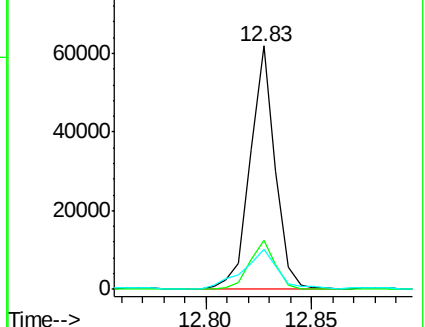
203 16.7 14.3 21.5



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: 15.45 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.07 min

Lab File: BF099090.D

Acq: 5 Oct 2017 2:08

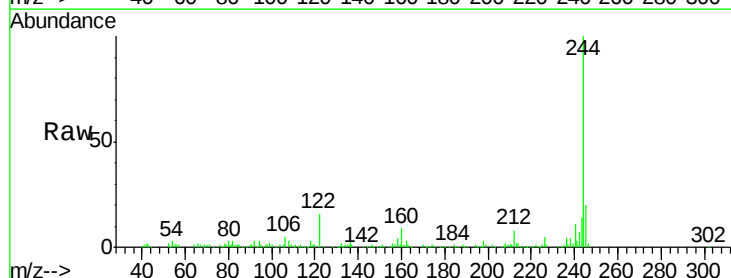
Tgt Ion:244 Resp: 123611

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

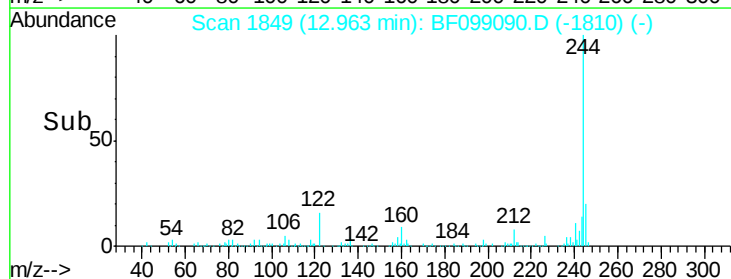
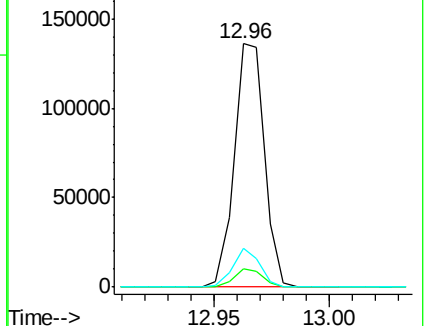
122 15.8 11.0 16.4

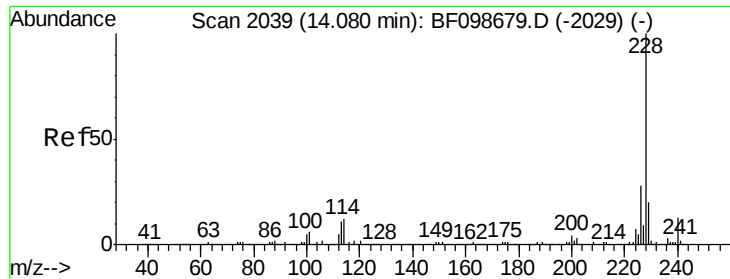


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

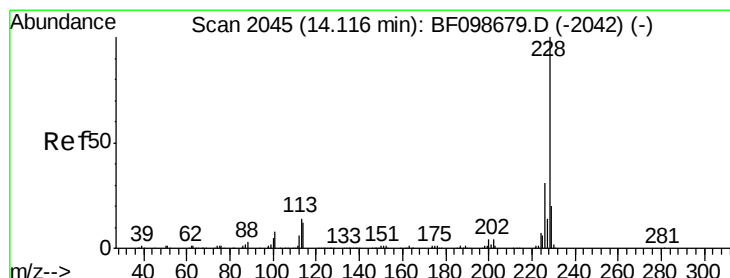
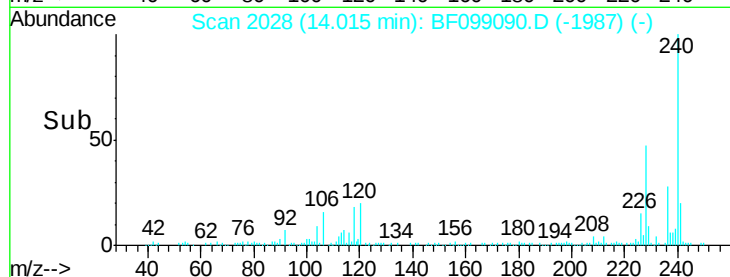
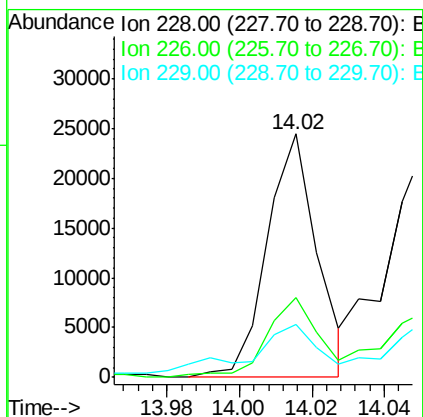
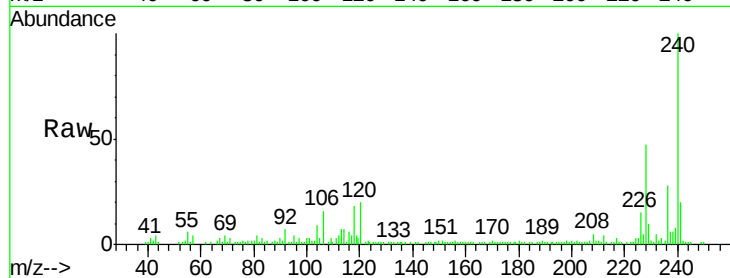




#80
Benzo(a)anthracene
Concen: 2.13 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

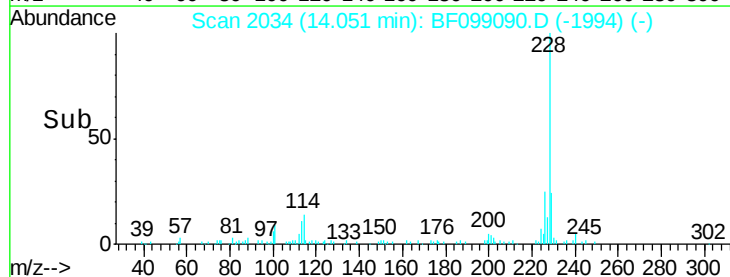
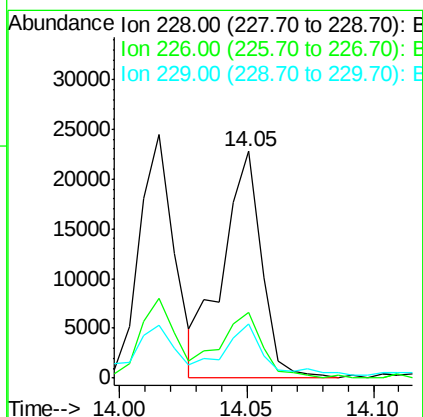
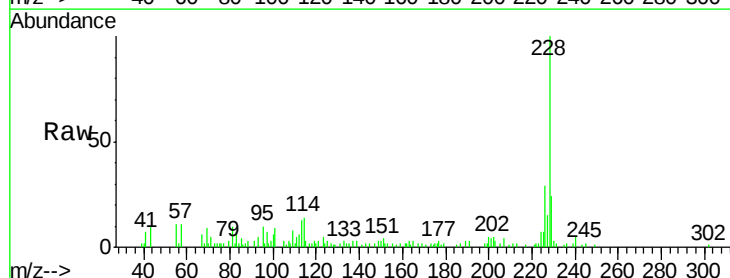
Instrument :
BNA_F
ClientSampleId :

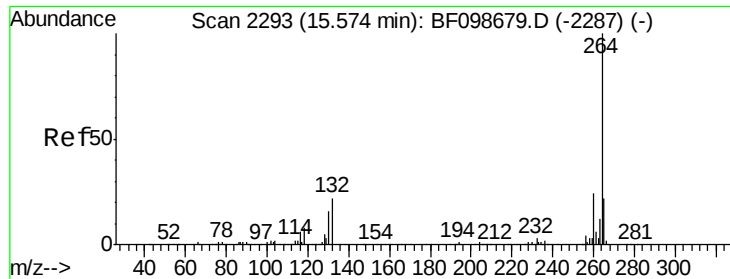
Tot Ion:228 Resp: 23493
Ion Ratio Lower Upper
228 100
226 32.5 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 2.33 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.06 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion:228 Resp: 24429
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 24.0 16.2 24.4

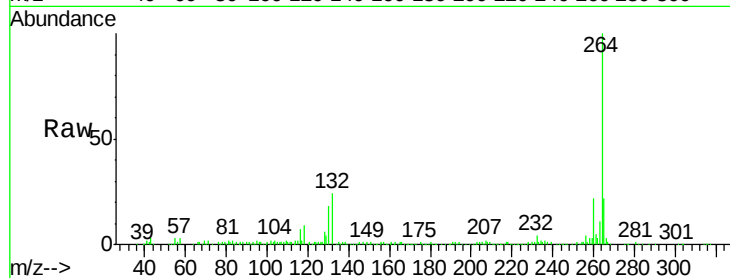




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.08 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

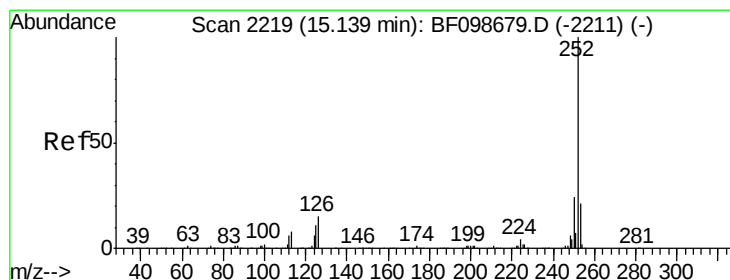
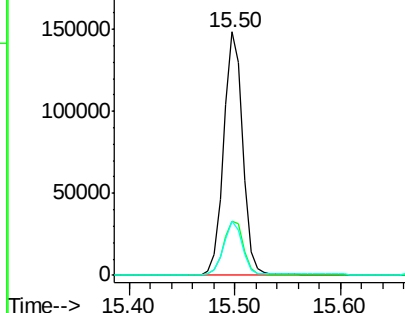
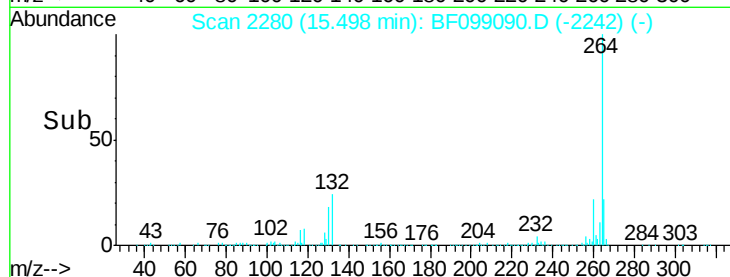
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.3	17.5	26.3



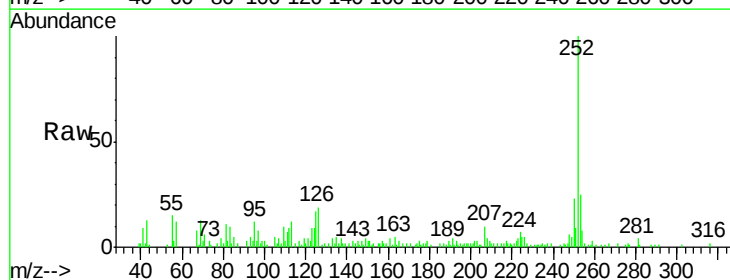
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

15.50



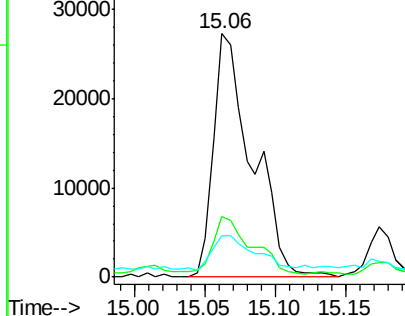
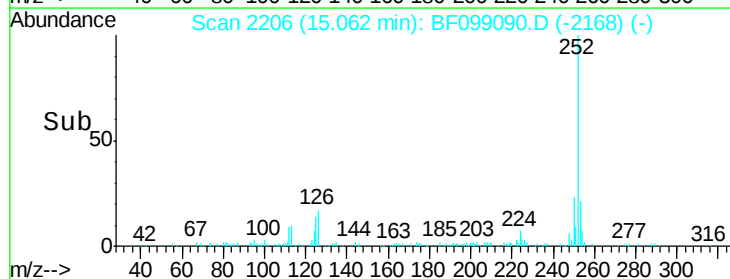
#87
Benzo(b)fluoranthene
Concen: 4.54 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.08 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

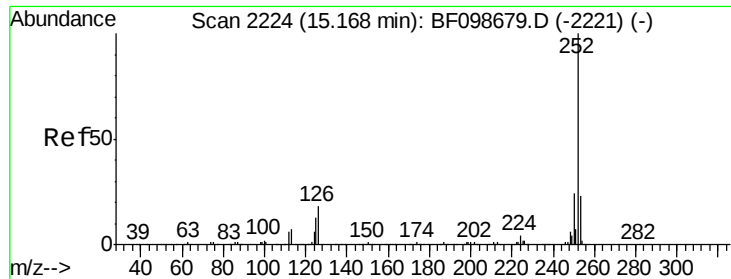
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	17.2	9.0	13.6#



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

15.06

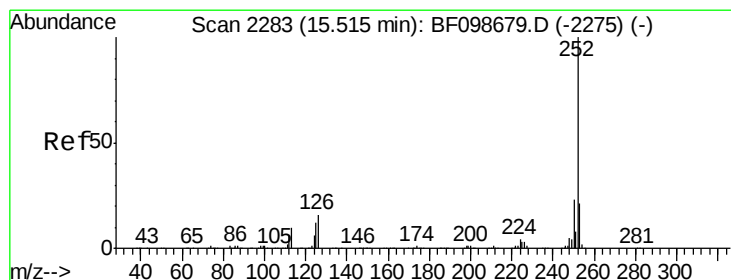
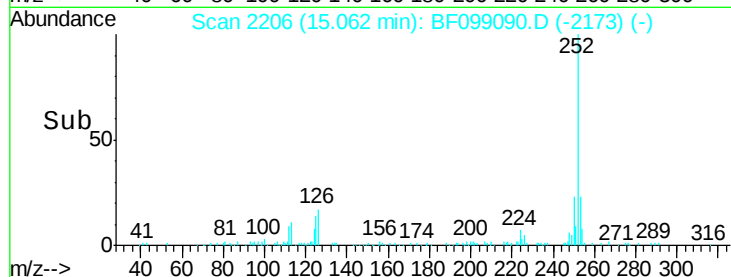
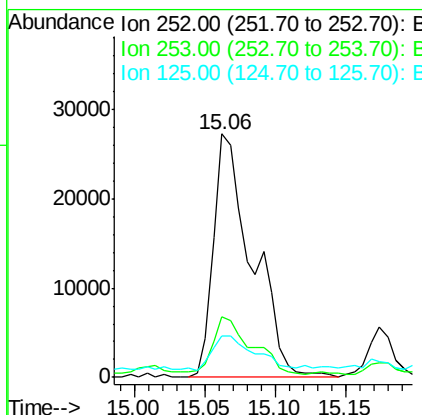
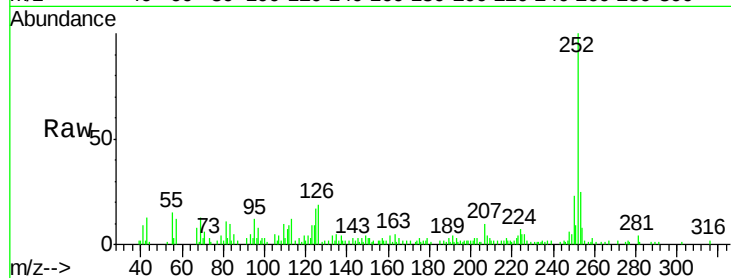




#88
Benzo(k)fluoranthene
Concen: 4.59 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.11 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 52219
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 17.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.08 min
Lab File: BF099090.D
Acq: 5 Oct 2017 2:08

Tgt Ion:252 Resp: 26001
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 16.1 9.8 14.6#

