

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113712.D
 Acq On : 10 Apr 2019 22:51
 Operator : JU/SJ
 Sample : K2342-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:02:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

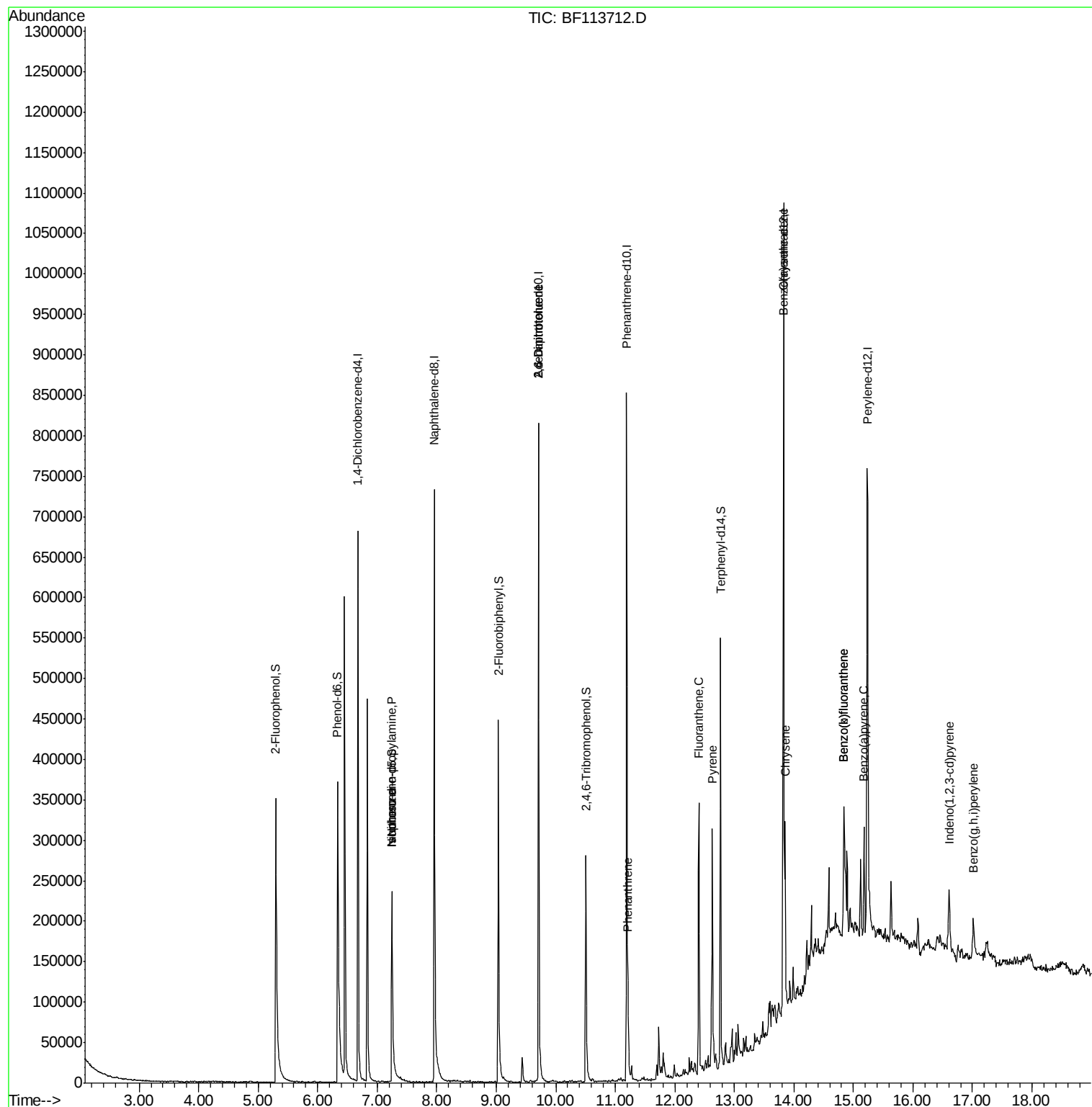
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120031	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	441253	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	180231	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	351360	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	343392	20.00	ng	-0.02
87) Perylene-d12	15.23	264	249585	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	181972	25.85	ng	0.00
7) Phenol-d6	6.33	99	243759	28.10	ng	0.00
23) Nitrobenzene-d5	7.25	82	126126	16.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	51430	23.76	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	188839	16.87	ng	-0.02
79) Terphenyl-d14	12.77	244	180659	10.71	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	15176	2.837	ng	# 78
25) Isophorone	7.25	82	126125	8.691	ng	# 64
51) 2,6-Dinitrotoluene	9.71	165	23164	7.910	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	23164	6.540	ng	# 23
71) Phenanthrene	11.22	178	41689	2.388	ng	98
75) Fluoranthene	12.40	202	148011	7.911	ng	98
78) Pyrene	12.63	202	142805	5.466	ng	97
81) Benzo(a)anthracene	13.82	228	94242	4.758	ng	99
83) Chrysene	13.85	228	85739	4.270	ng	100
86) Indeno(1,2,3-cd)pyrene	16.60	276	40459	2.182	ng	93
88) Benzo(b)fluoranthene	14.84	252	127326	8.334	ng	# 97
89) Benzo(k)fluoranthene	14.84	252	127326	9.286	ng	# 96
90) Benzo(a)pyrene	15.18	252	65622	4.834	ng	97
92) Benzo(a,h,i)perylene	17.02	276	41324	3.189	ng	# 91

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

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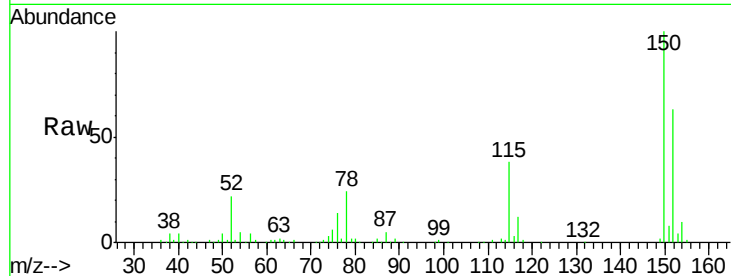


#1

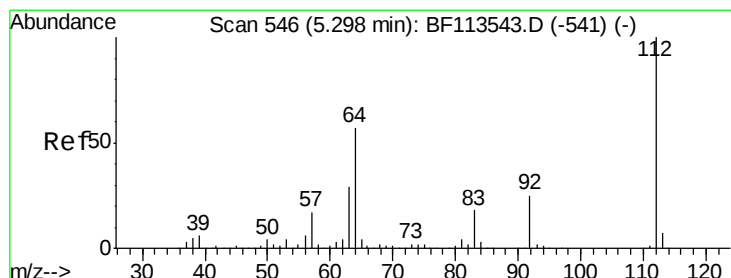
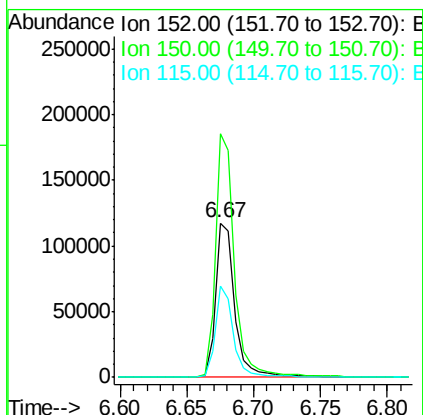
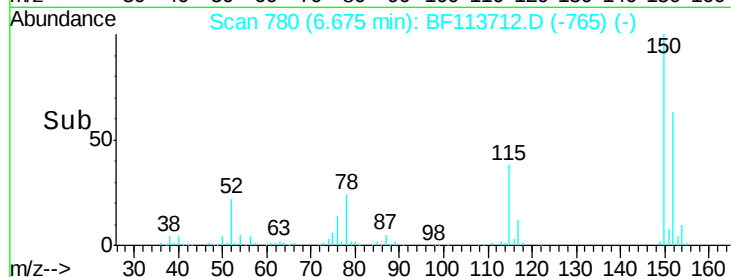
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.7	187.1
115	59.4	46.0	69.0



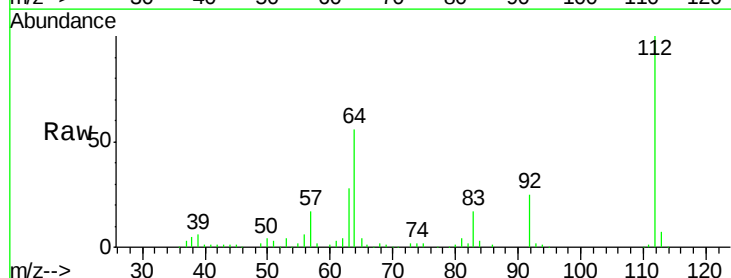
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



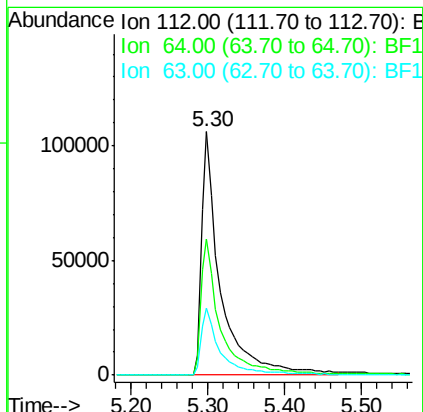
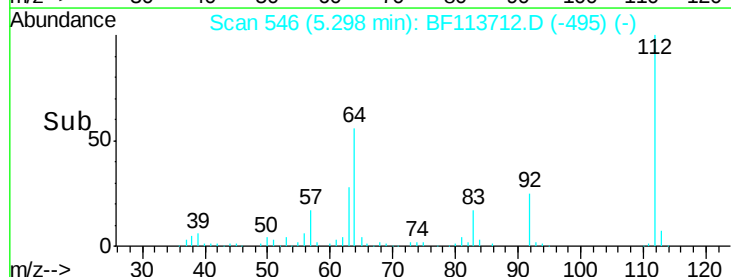
#5

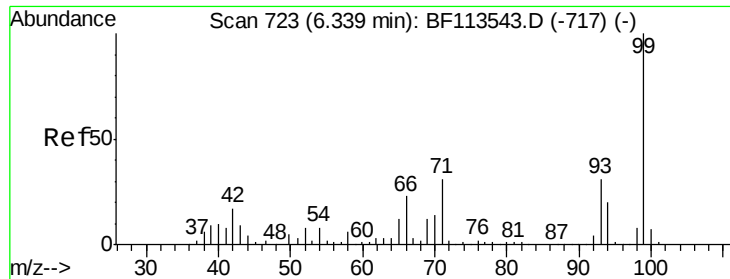
2-Fluorophenol
Concen: 25.852 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	49.2	73.8
63	27.7	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.097 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

ClientSampleId :

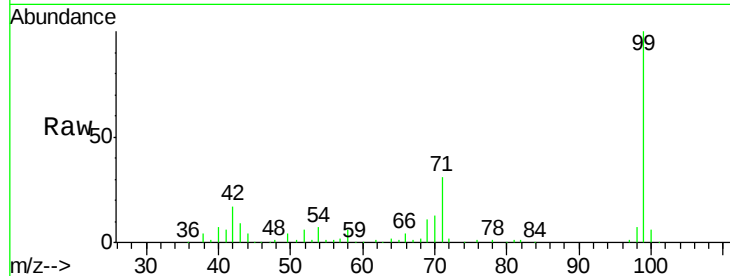
Tot Ion: 99 Resp: 243759

Ion Ratio Lower Upper

99 100

42 17.3 14.8 22.2

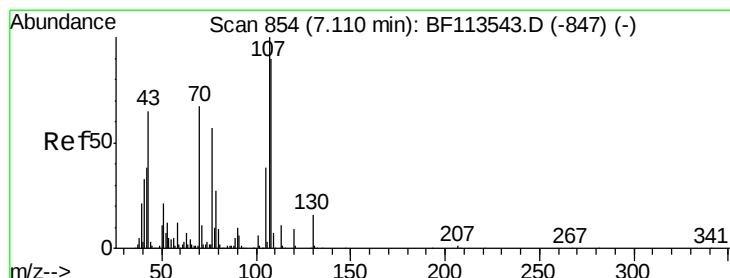
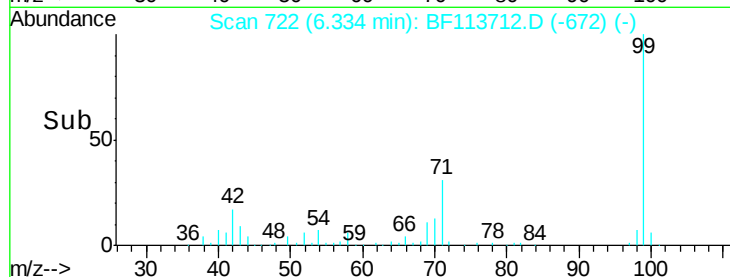
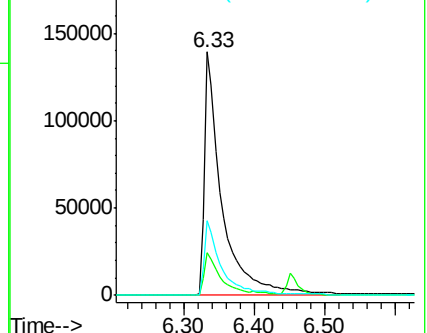
71 30.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.837 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Tgt Ion: 70 Resp: 15176

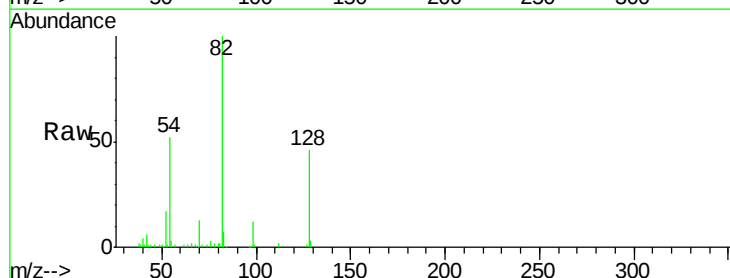
Ion Ratio Lower Upper

70 100

42 51.2 48.4 72.6

101 0.0 7.8 11.8#

130 0.0 18.2 27.4#

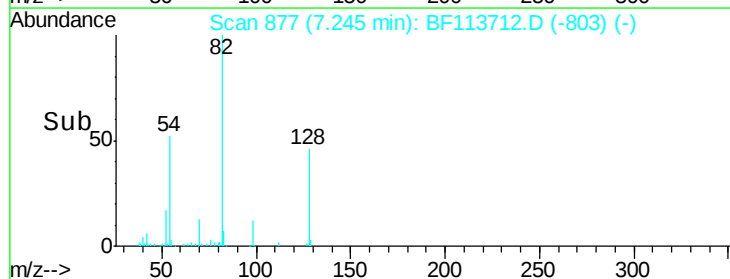
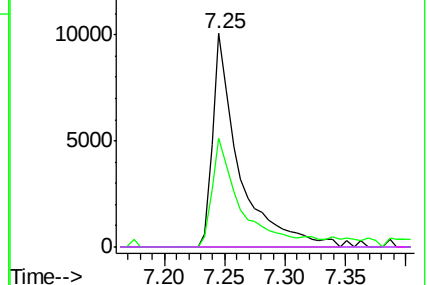


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 441253

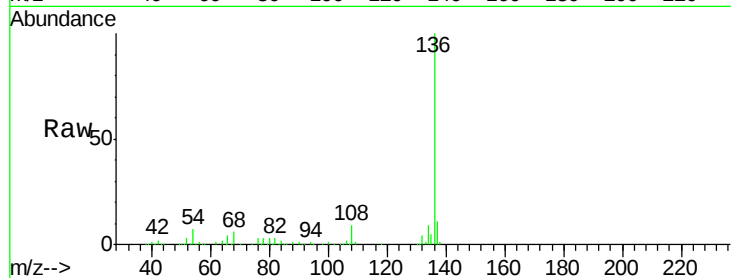
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 7.0 10.6

68 5.8 4.8 7.2

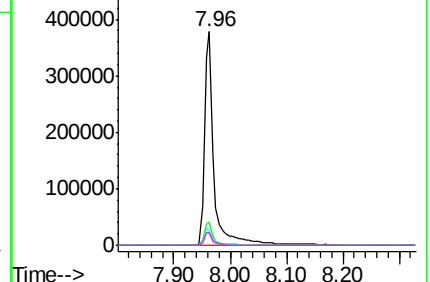
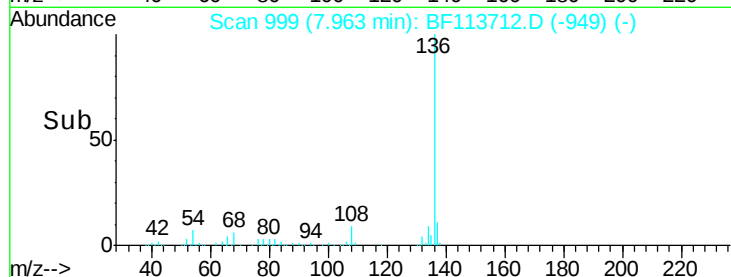


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 16.743 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

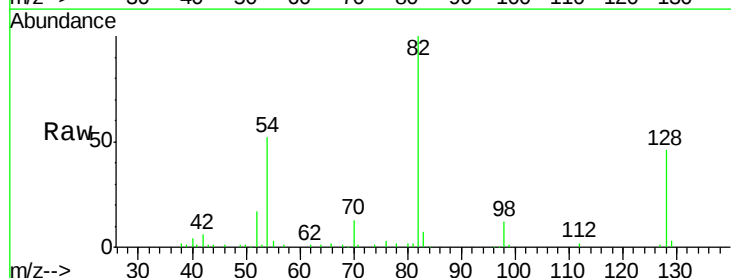
Tgt Ion: 82 Resp: 126126

Ion Ratio Lower Upper

82 100

128 46.0 36.5 54.7

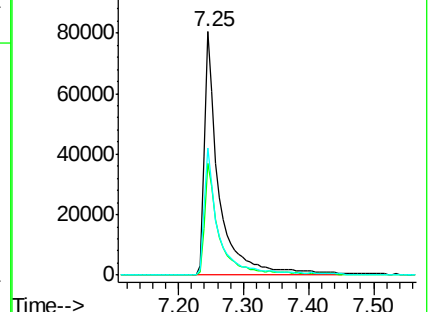
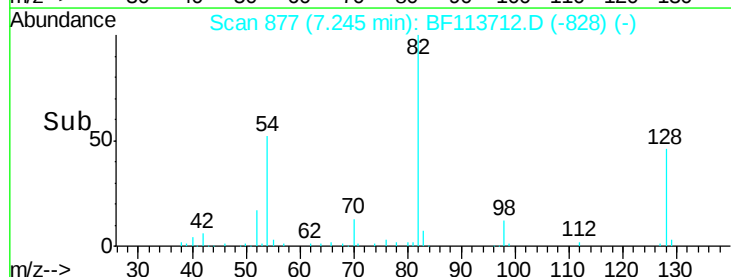
54 52.0 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

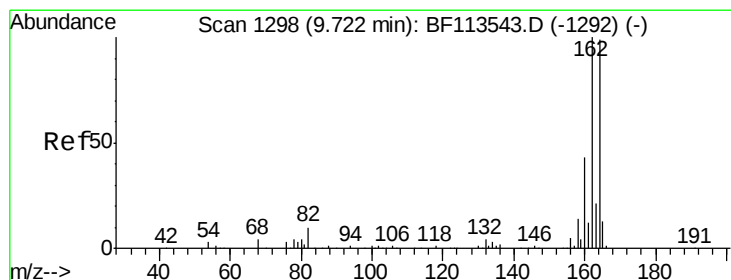
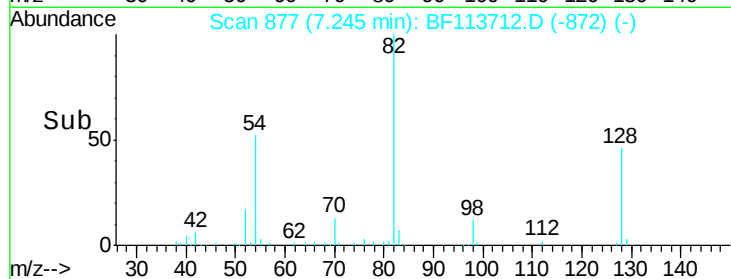
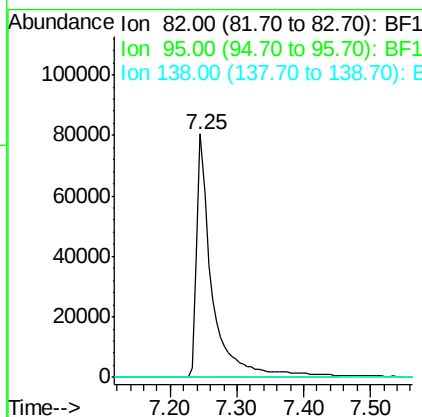
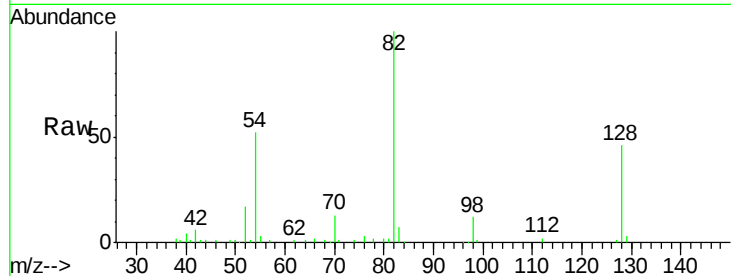




#25
Isophorone
Concen: 8.691 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

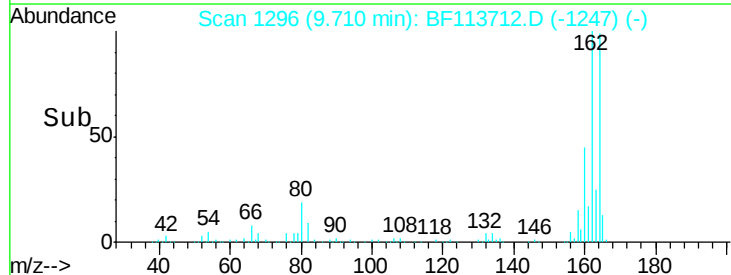
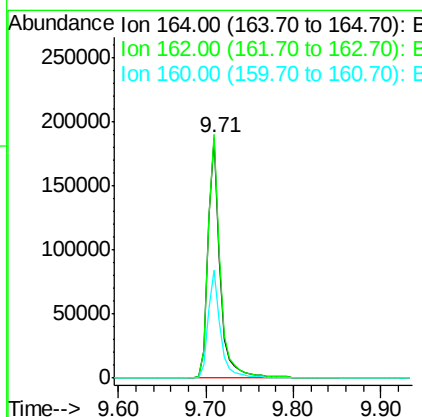
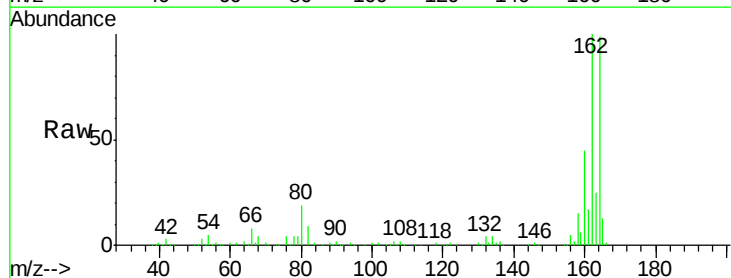
Instrument :
BNA_F
ClientSampleId :

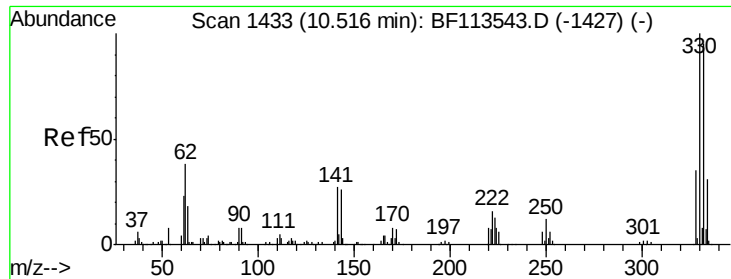
Tot Ion: 82 Resp: 126125
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion:164 Resp: 180231
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 45.2 36.4 54.6

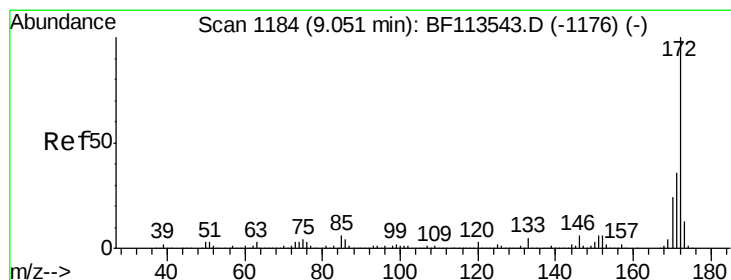
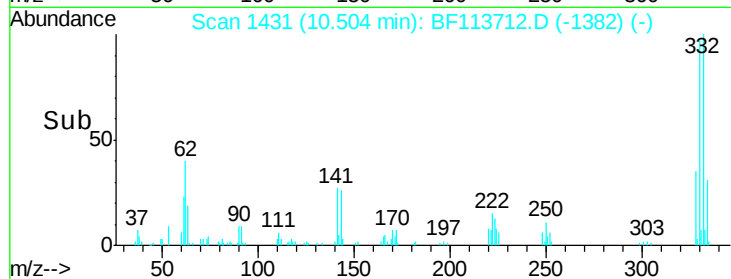
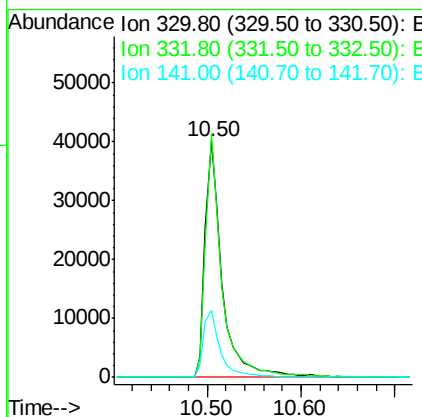
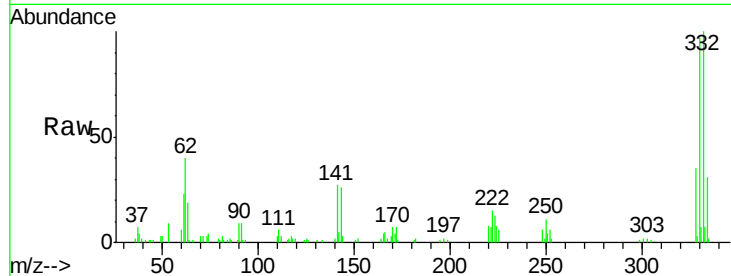




#42
 2,4,6-Tribromophenol
 Concen: 23.755 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

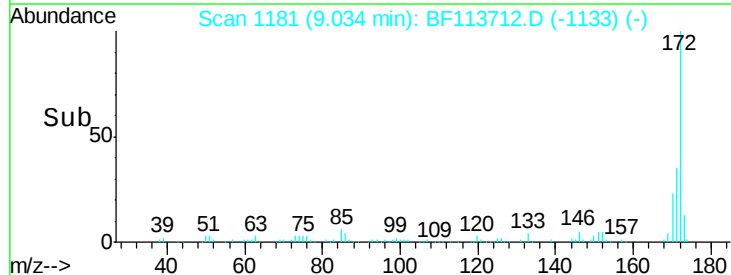
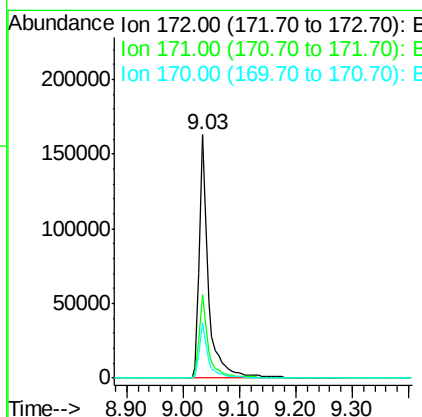
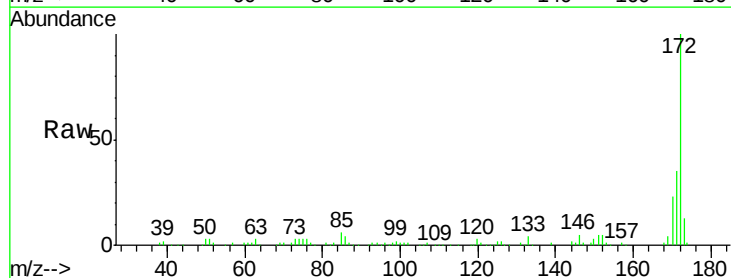
Instrument :
 BNA_F
 ClientSampled :

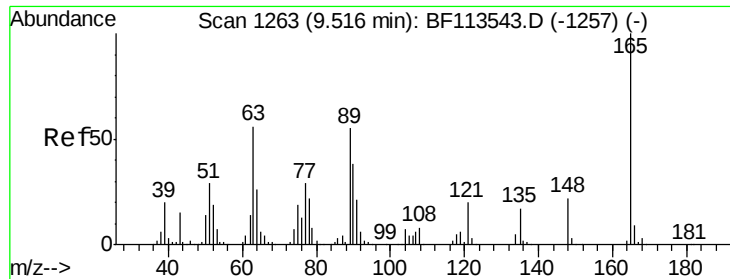
Tot Ion	330	332	141
Resp:	51430		
Ion Ratio	100	98.5	28.2
Lower		77.8	22.7
Upper		116.6	34.1



#45
 2-Fluorobiphenyl
 Concen: 16.868 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Tgt Ion	172	171	170
Resp:	188839		
Ion Ratio	100	34.5	22.6
Lower		29.0	19.5
Upper		43.6	29.3

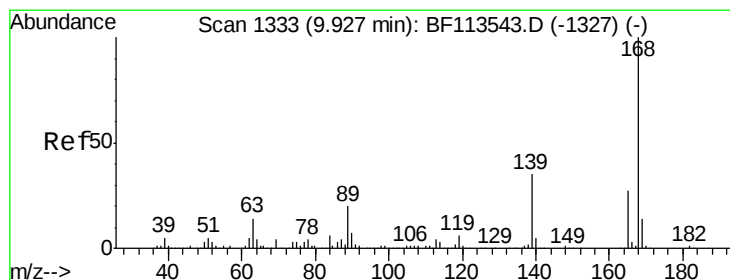
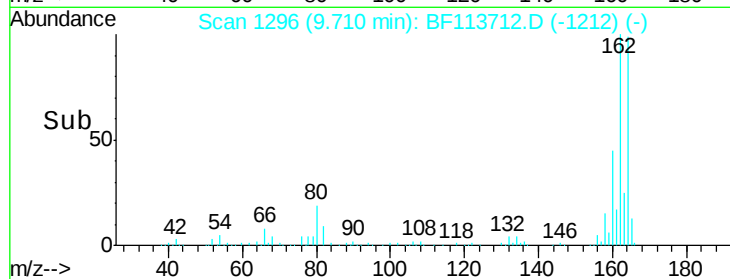
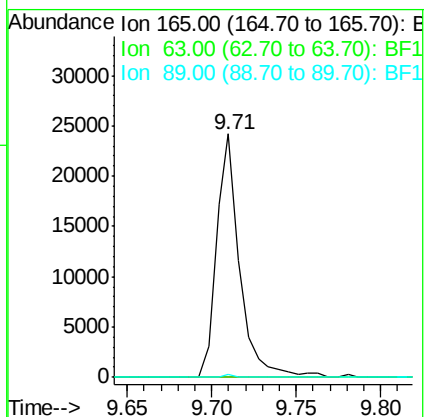
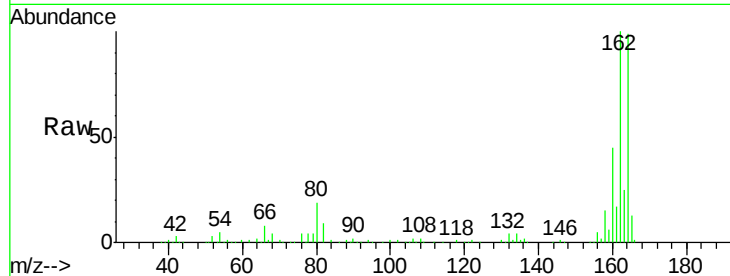




#51
 2,6-Dinitrotoluene
 Concen: 7.910 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. 0.19 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

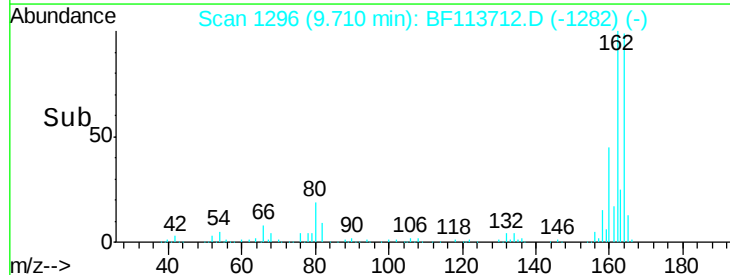
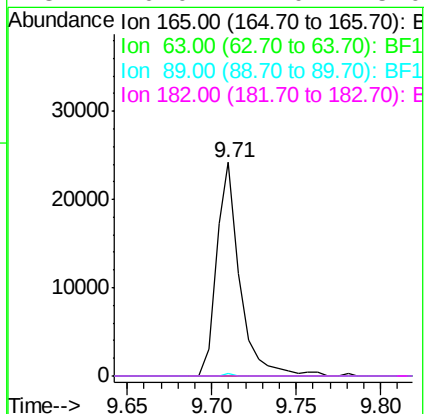
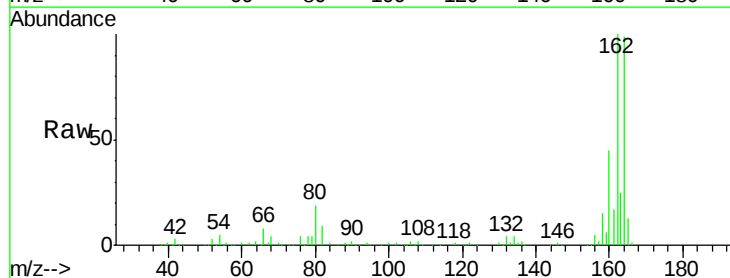
Instrument :
 BNA_F
 ClientSampleId :

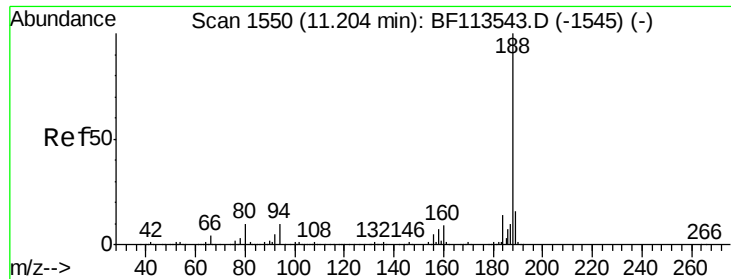
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.0#
89	1.4	43.1	64.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.540 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#

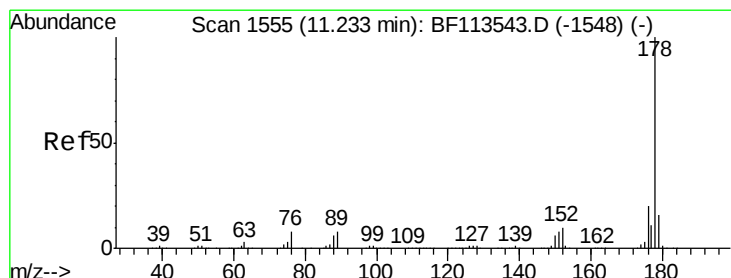
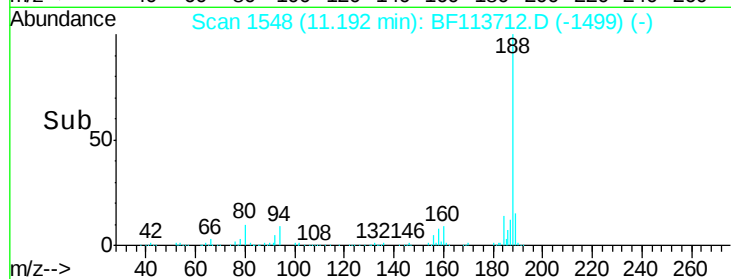
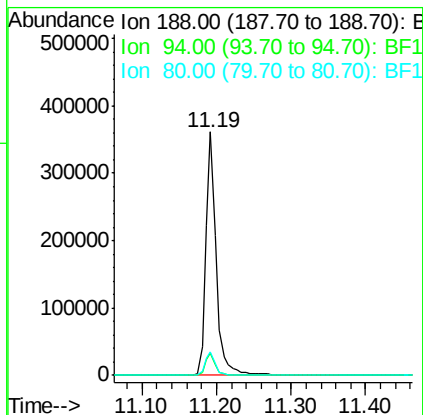
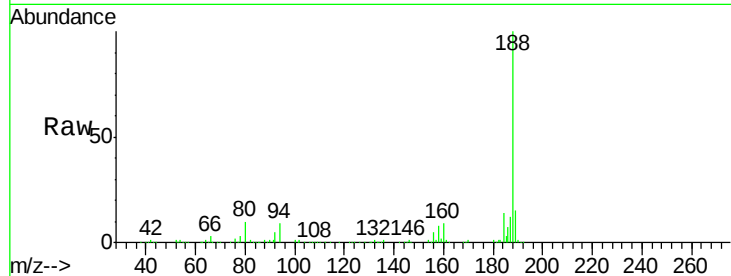




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

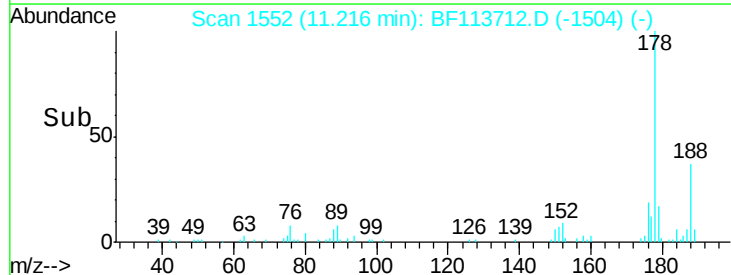
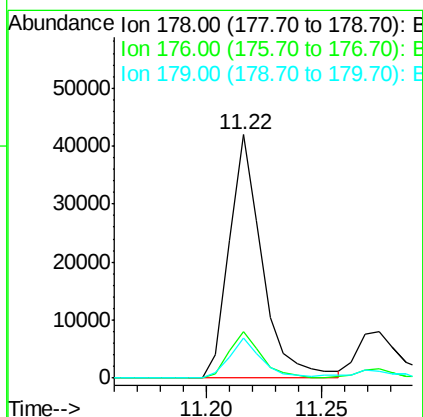
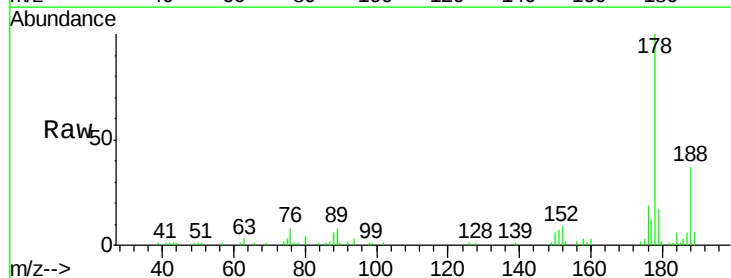
Instrument :
BNA_F
ClientSampleId :

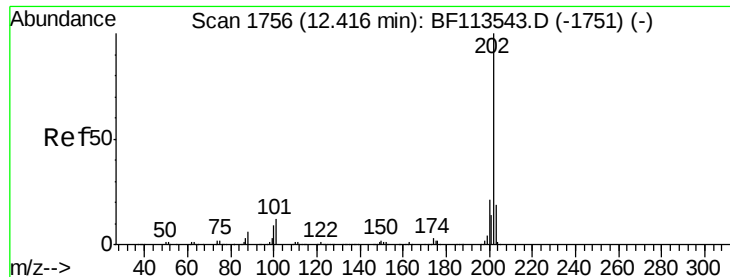
Tot Ion:188 Resp: 351360
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.5 7.7 11.5



#71
Phenanthrene
Concen: 2.388 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion:178 Resp: 41689
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 16.6 12.7 19.1





#75

Fluoranthene

Concen: 7.911 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113712.D

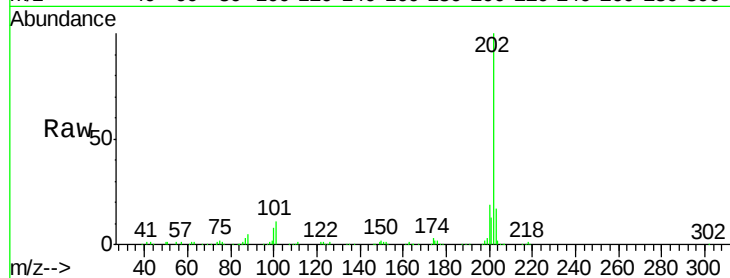
Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

ClientSampleId :

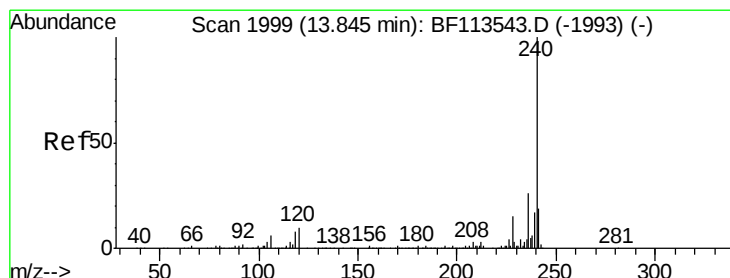
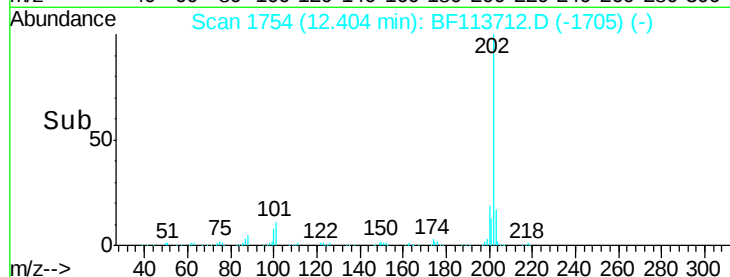
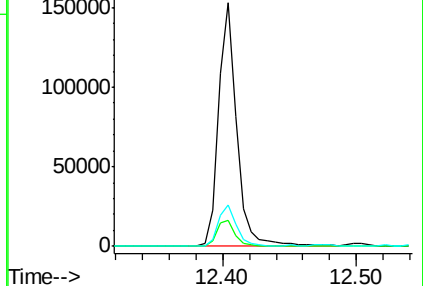
Tot Ion:	202	Resp:	148011
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.4
203	16.9	0.0	38.0



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



#76

Chrysene-d12

Concen: 20.000 ng

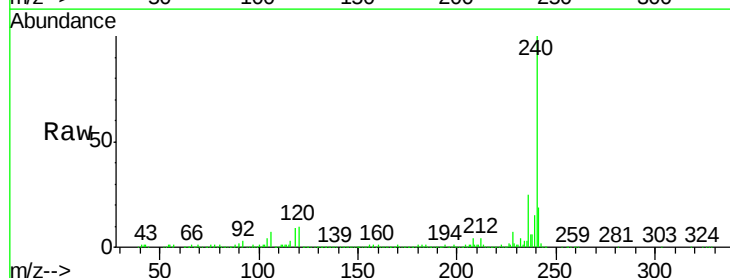
RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

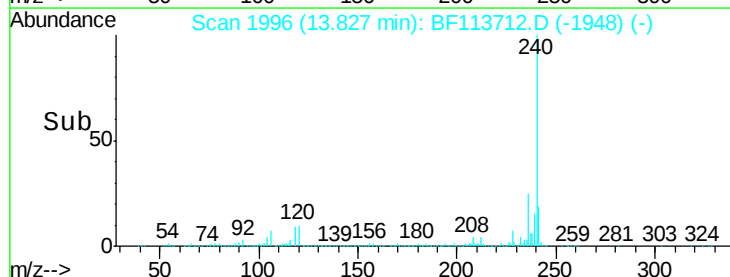
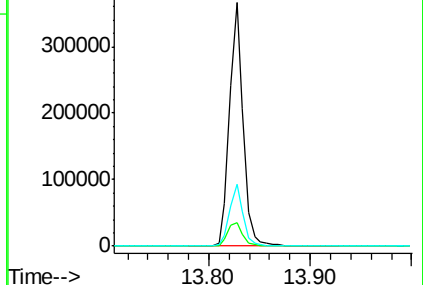
Tgt Ion:	240	Resp:	343392
Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.8	13.2
236	25.5	20.9	31.3

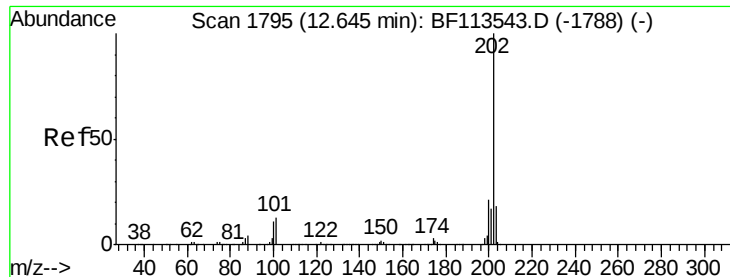


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

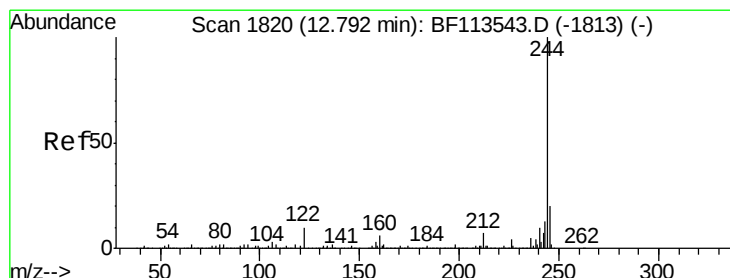
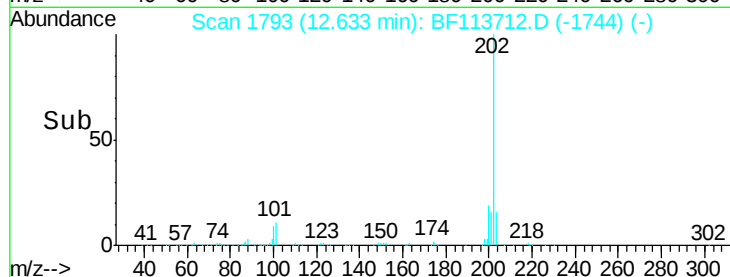
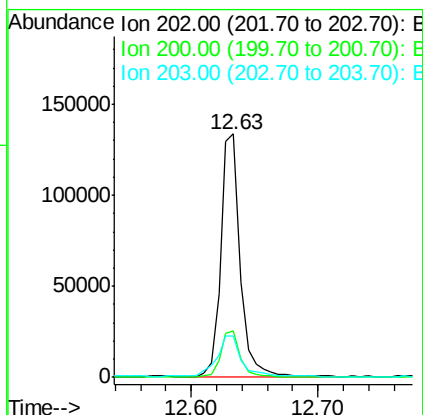
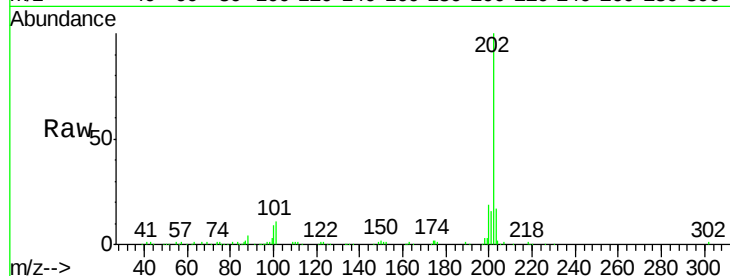




#78
Pvrene
Concen: 5.466 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

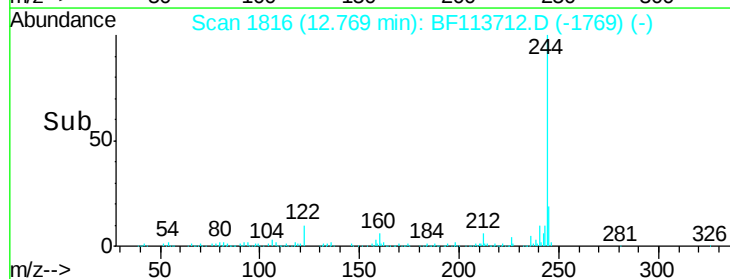
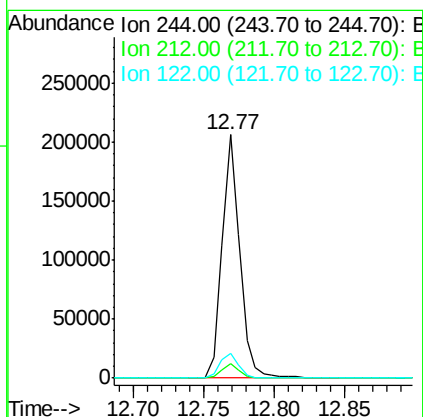
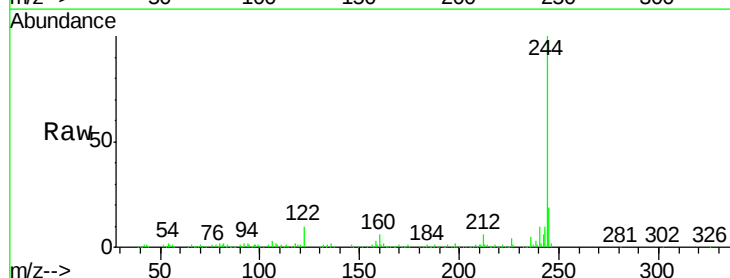
Instrument :
BNA_F
ClientSampleId :

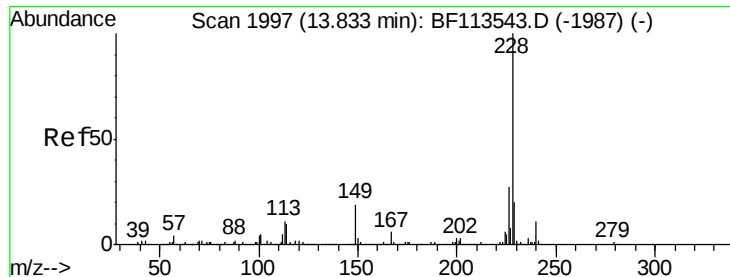
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	16.8	14.4	21.6



#79
Terphenyl-d14
Concen: 10.712 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.5	8.3
122	10.1	8.6	13.0





#81

Benzo(a)anthracene

Concen: 4.758 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

ClientSampleId :

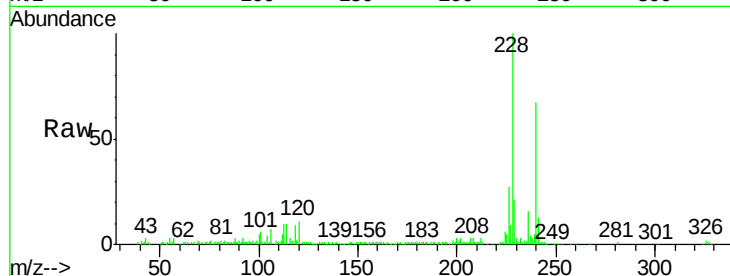
Tot Ion:228 Resp: 94242

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

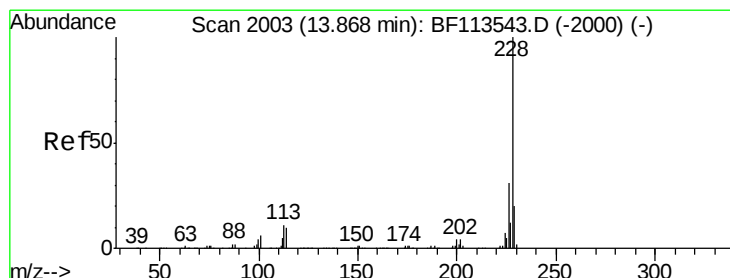
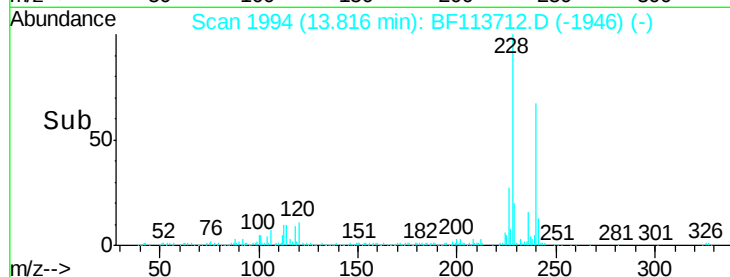
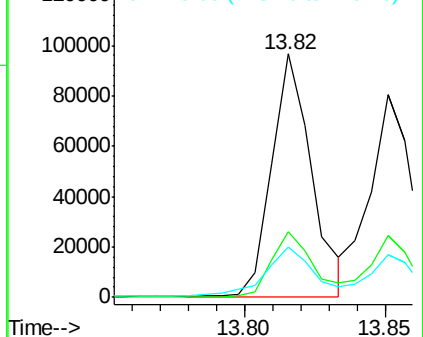
229 20.6 16.2 24.4



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



#83

Chrysene

Concen: 4.270 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

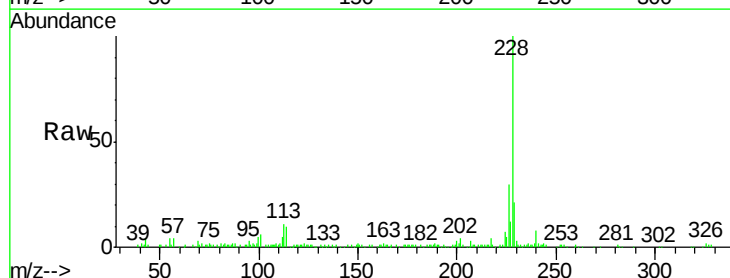
Tgt Ion:228 Resp: 85739

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

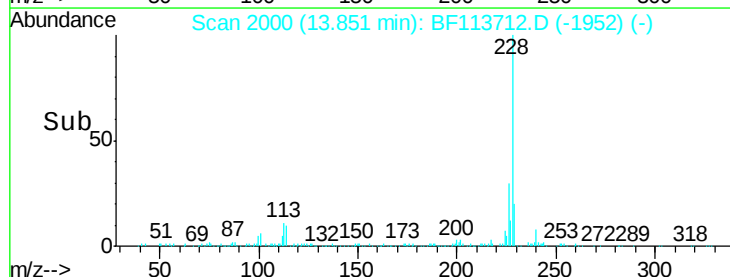
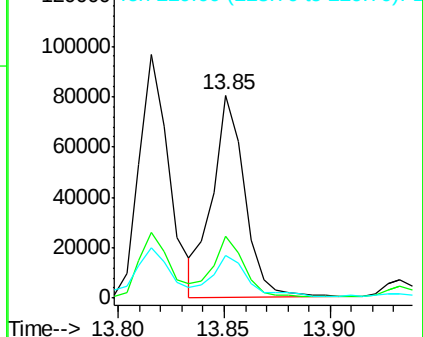
229 20.8 16.3 24.5

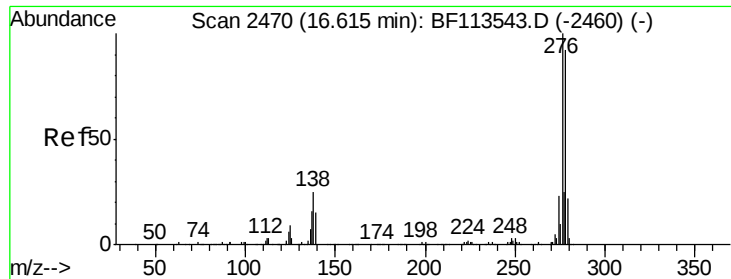


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

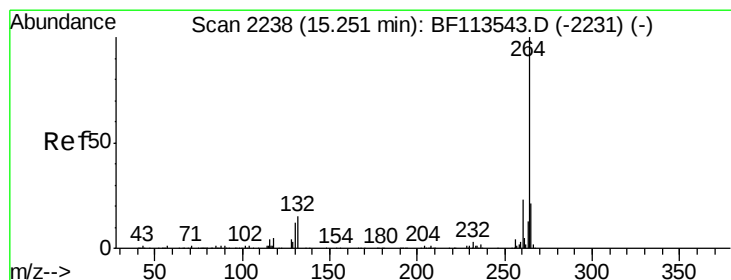
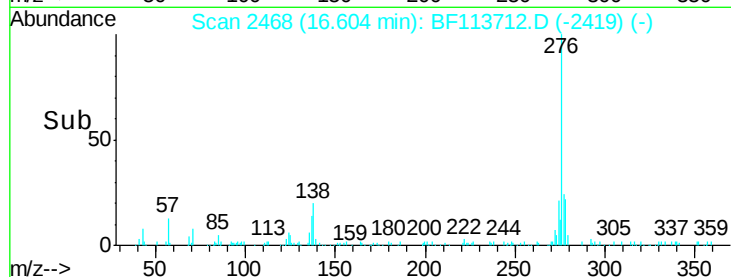
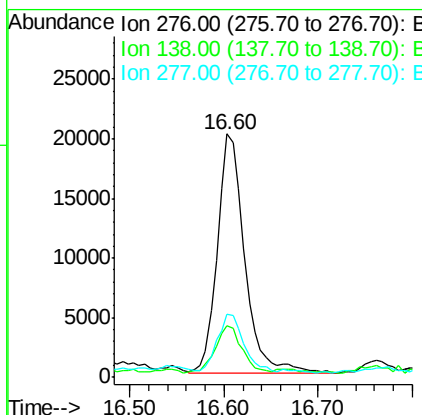
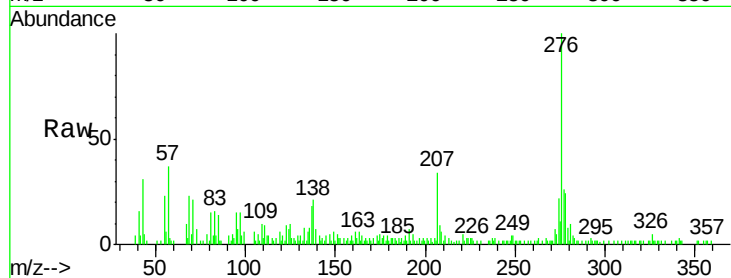




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.182 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

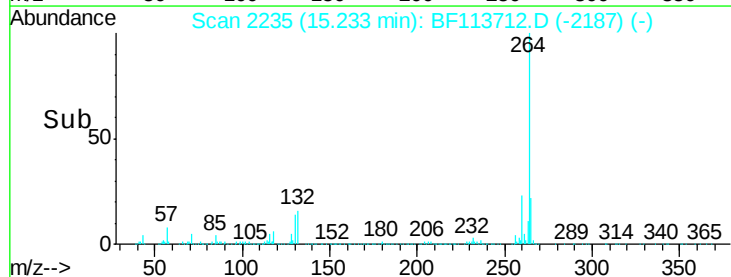
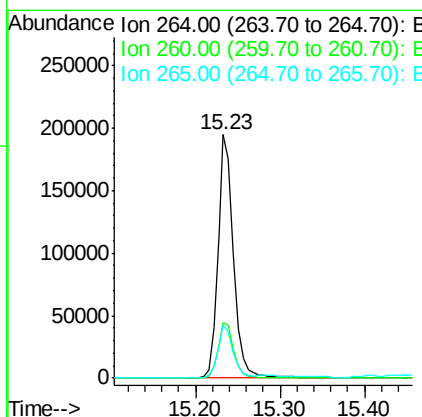
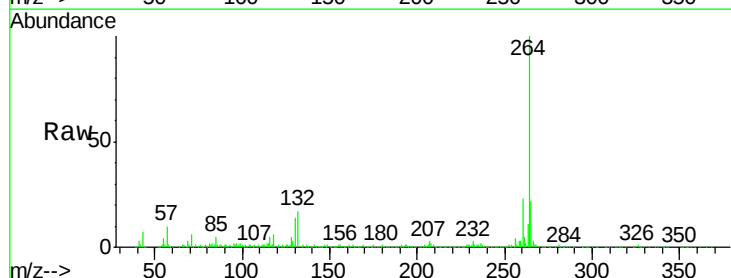
Instrument :
 BNA_F
 ClientSampleId :

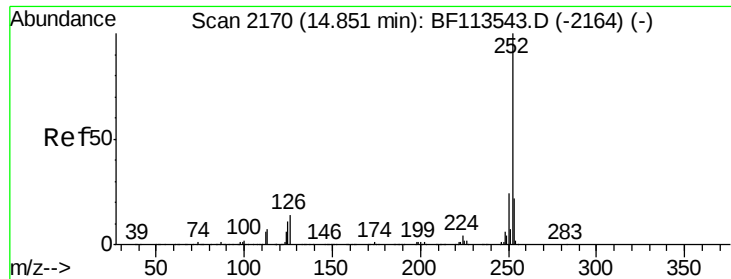
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.1	27.1
277	22.6	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	22.0	17.1	25.7

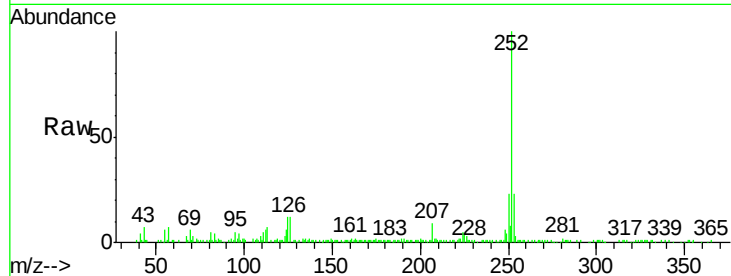




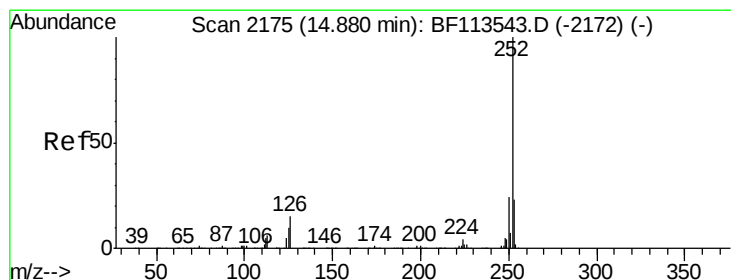
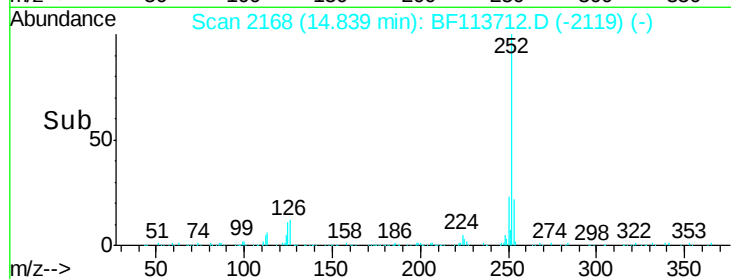
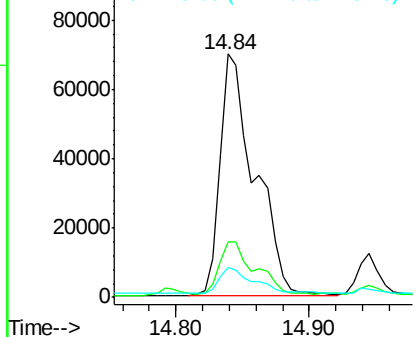
#88
Benzo(b)fluoranthene
Concen: 8.334 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 127326
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.4 7.6 11.4#

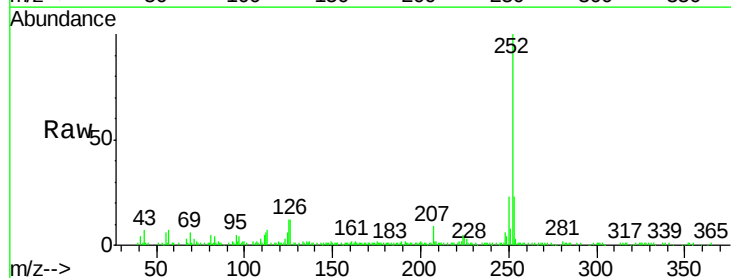


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

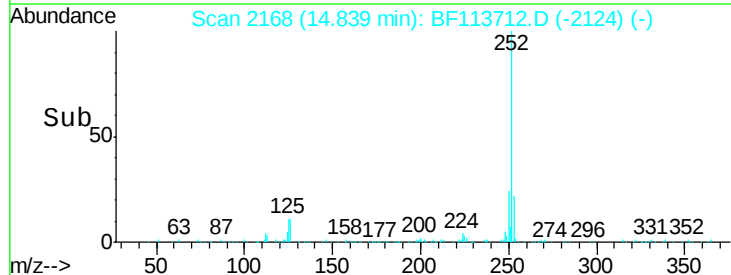
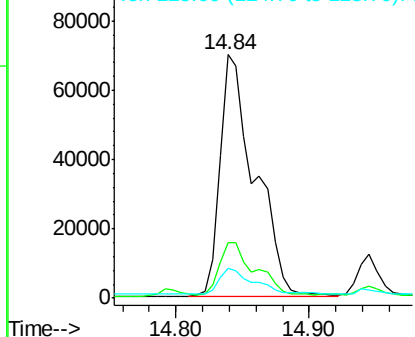


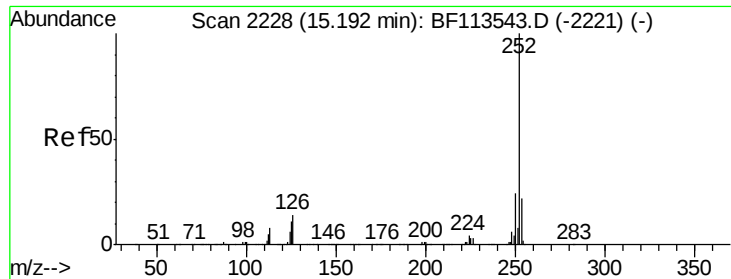
#89
Benzo(k)fluoranthene
Concen: 9.286 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion:252 Resp: 127326
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 12.4 7.3 10.9#



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

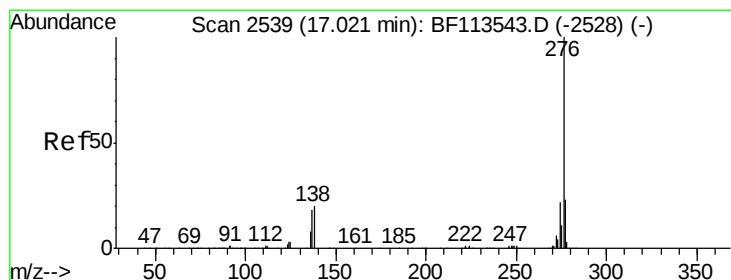
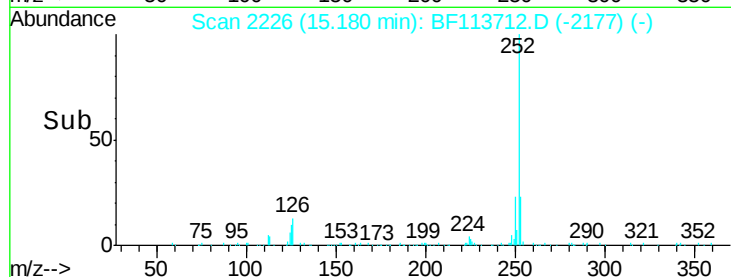
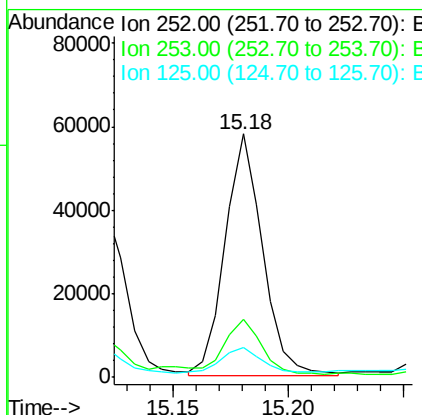
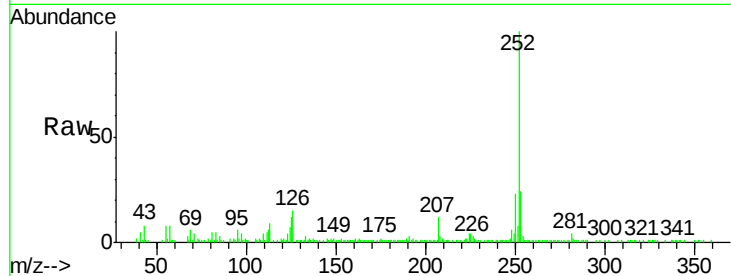




#90
Benzo(a)pyrene
Concen: 4.834 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 65622
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 12.1 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 3.189 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion:276 Resp: 41324
Ion Ratio Lower Upper
276 100
277 25.9 18.8 28.2
138 25.4 15.6 23.4#

