

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113821.D
 Acq On : 18 Apr 2019 17:07
 Operator : JU/SJ
 Sample : K2203-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 17:35:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	190987	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	697083	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	322832	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	554394	20.00	ng	0.00
76) Chrysene-d12	14.04	240	546898	20.00	ng	0.00
87) Perylene-d12	15.51	264	679261	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	563269	49.04	ng	0.00
7) Phenol-d6	6.51	99	703126	49.09	ng	0.00
23) Nitrobenzene-d5	7.45	82	404372	35.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	158157	44.34	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	769698	36.36	ng	0.00
79) Terphenyl-d14	12.99	244	798348	30.61	ng	-0.01

Target Compounds

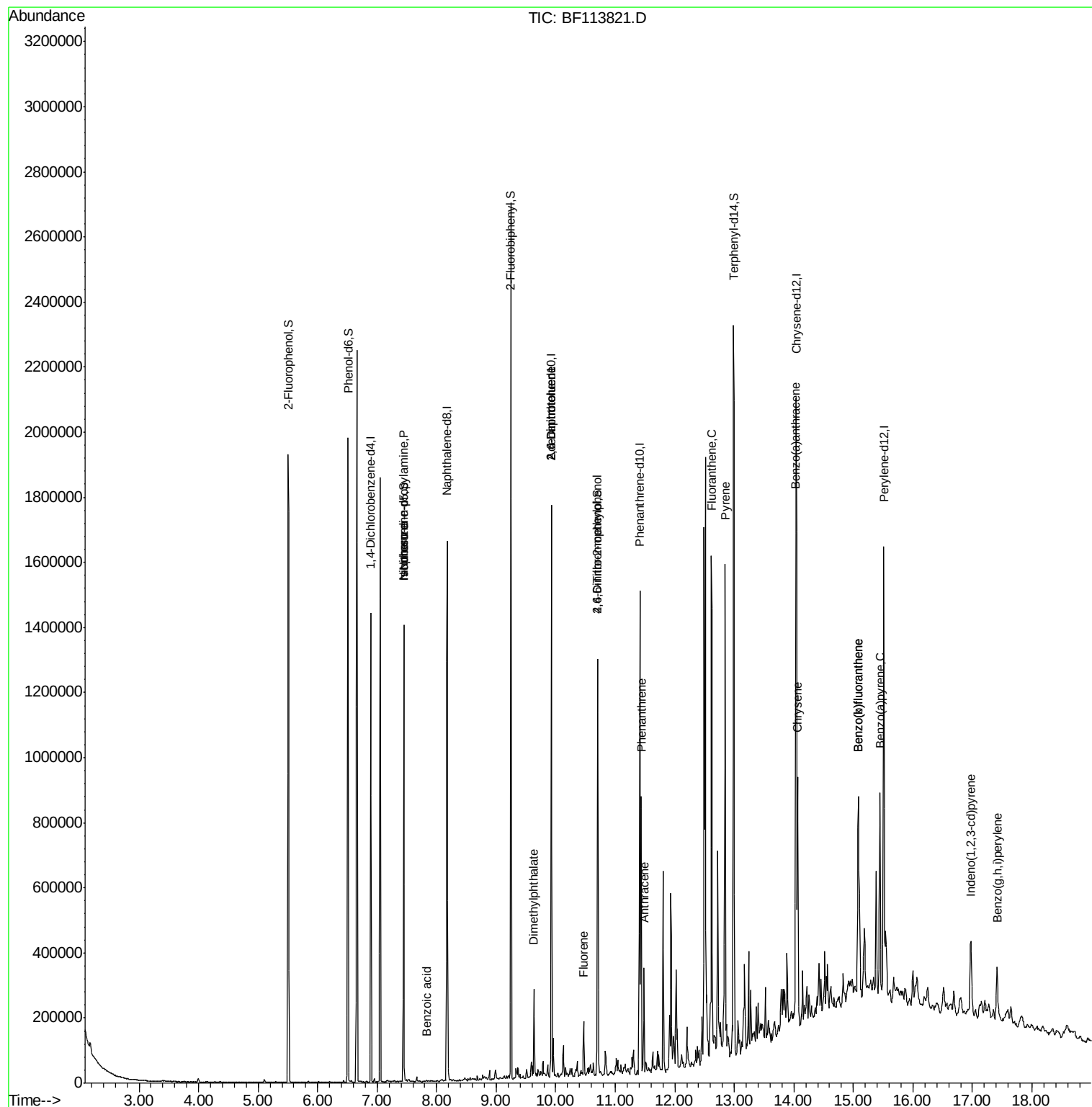
						Qvalue
9) Benzaldehyde	6.51	77	1119	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	54194	5.668 ng	#	80
25) Isophorone	7.45	82	404190	17.054 ng	#	65
32) Benzoic acid	7.83	122	439	5.986 ng	#	68
50) Dimethylphthalate	9.63	163	94889	4.200 ng		98
51) 2,6-Dinitrotoluene	9.93	165	43033	8.631 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	43033	6.957 ng	#	29
58) Fluorene	10.47	166	41368	2.018 ng		99
65) 4,6-Dinitro-2-methylphenol	10.70	198	155	6.985 ng	#	1
71) Phenanthrene	11.43	178	326257	11.555 ng		98
72) Anthracene	11.48	178	112998	3.971 ng		99
75) Fluoranthene	12.62	202	613335	20.496 ng		99
78) Pyrene	12.85	202	563339	14.616 ng		99
81) Benzo(a)anthracene	14.03	228	329636	10.311 ng		99
83) Chrysene	14.06	228	291757	9.195 ng		98
86) Indeno(1,2,3-cd)pyrene	16.97	276	164594	6.354 ng		95
88) Benzo(b)fluoranthene	15.08	252	509240	12.026 ng	#	97
89) Benzo(k)fluoranthene	15.08	252	509240	13.204 ng		98
90) Benzo(a)pyrene	15.44	252	294403	7.863 ng		97
92) Benzo(a,h,i)perylene	17.42	276	141400	4.176 ng		96

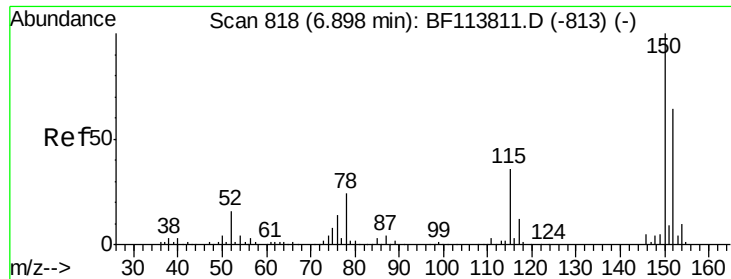
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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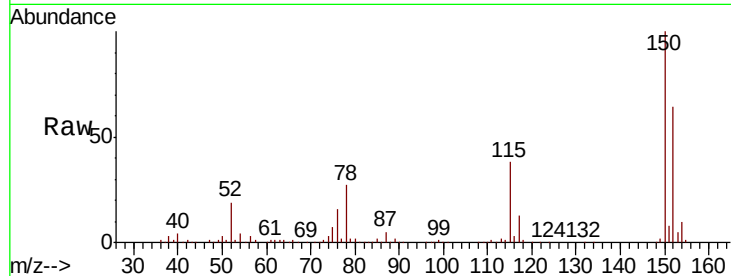


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.9	188.9
115	59.7	45.9	68.9

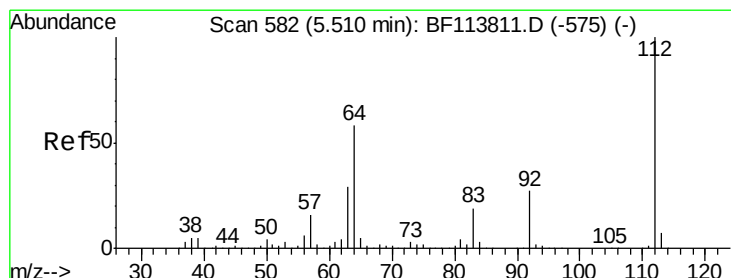
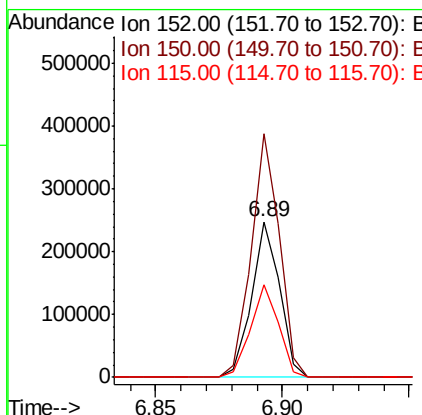
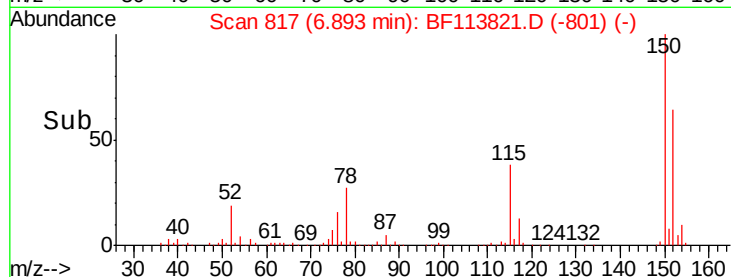


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

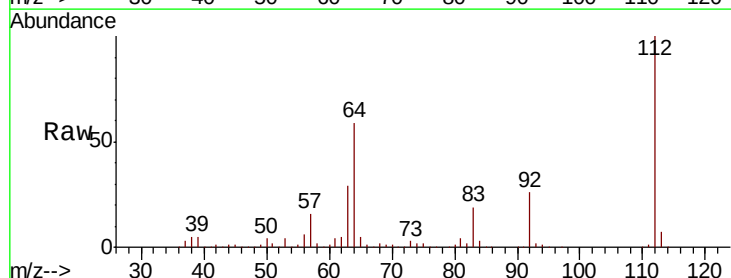
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.039 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.6	69.8
63	29.2	23.1	34.7

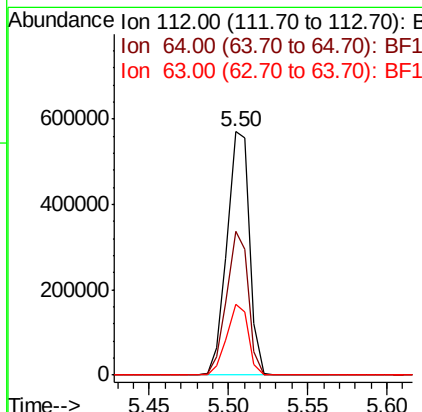
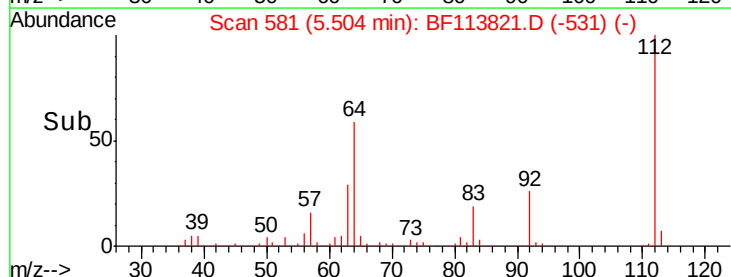


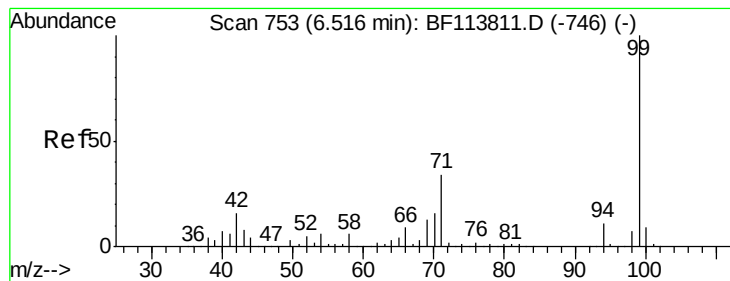
Abundance

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: 49.087 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Instrument :

BNA_F

ClientSampled :

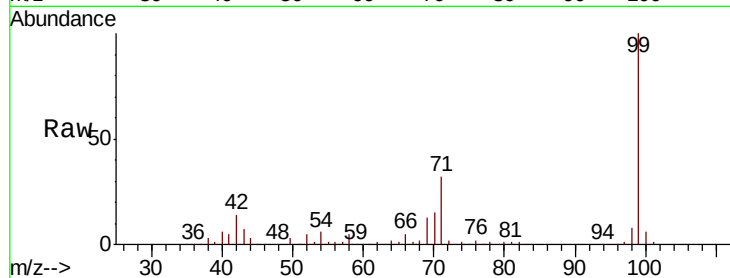
Tot Ion: 99 Resp: 703126

Ion Ratio Lower Upper

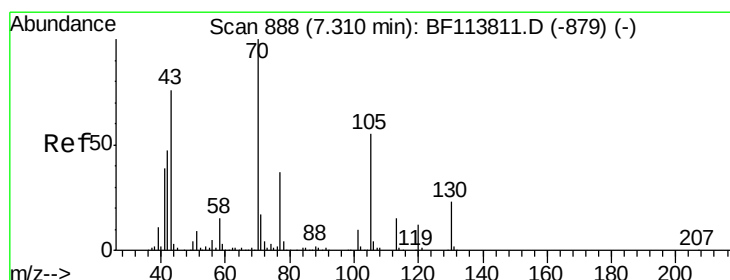
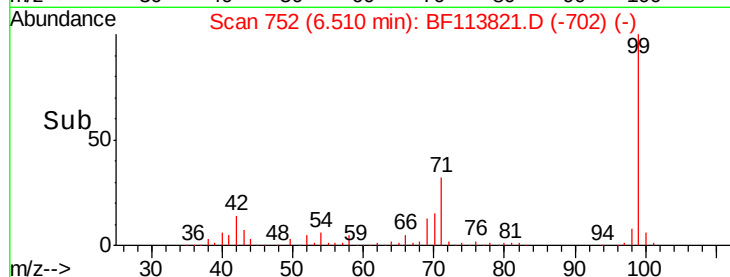
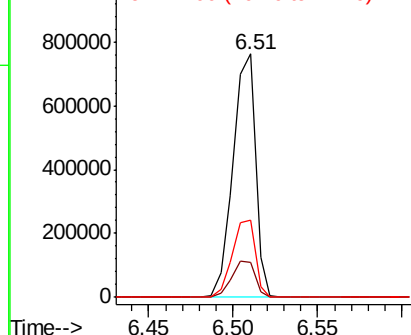
99 100

42 14.3 12.5 18.7

71 31.6 26.9 40.3



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: 5.668 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Tgt Ion: 70 Resp: 54194

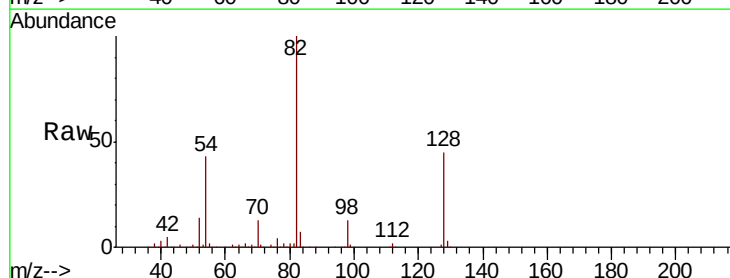
Ion Ratio Lower Upper

70 100

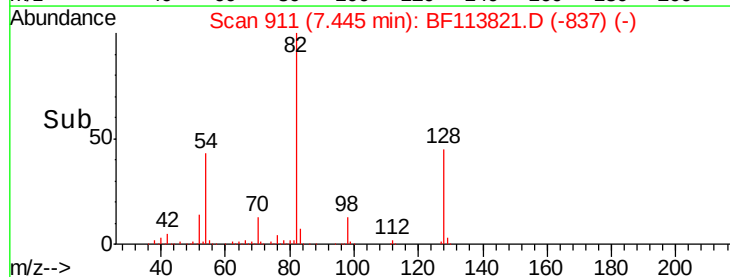
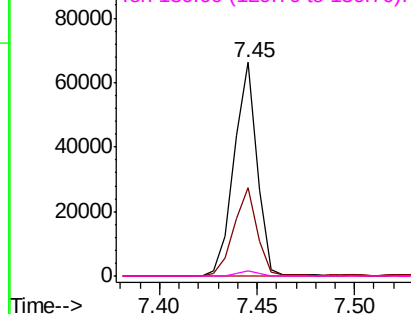
42 41.5 37.3 55.9

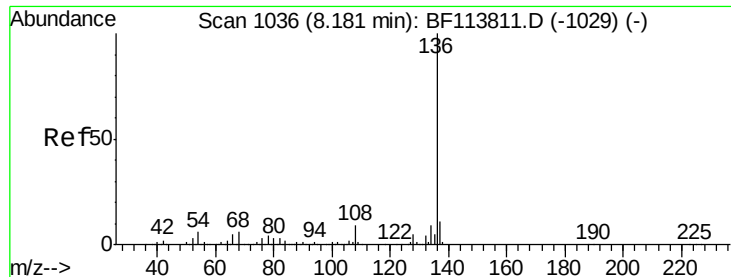
101 0.0 7.8 11.8#

130 2.1 18.2 27.2#



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

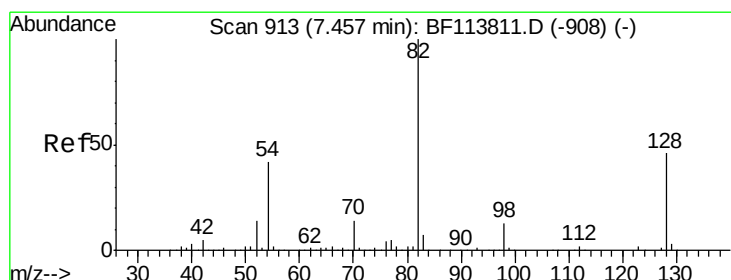
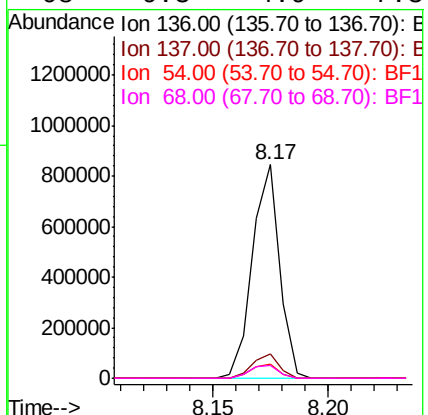
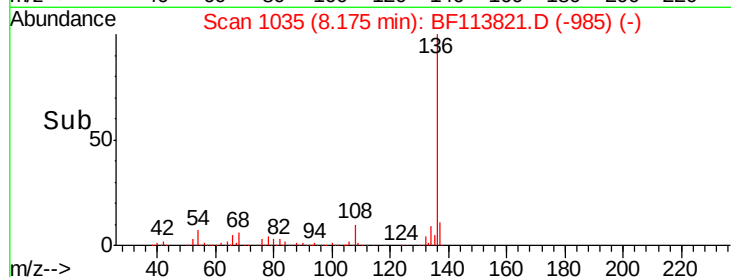
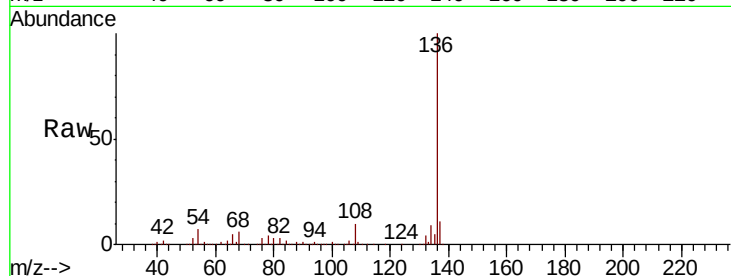




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

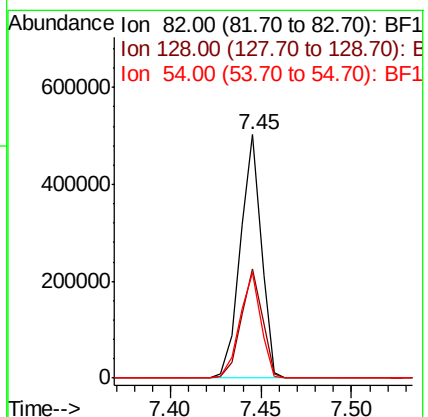
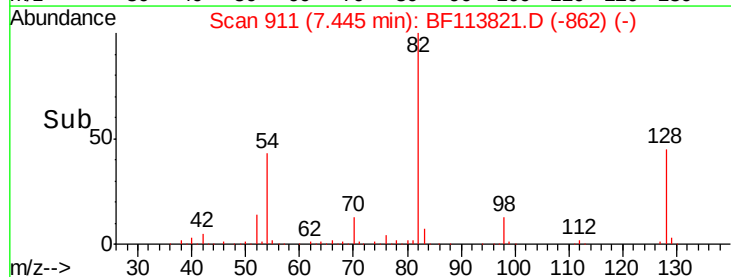
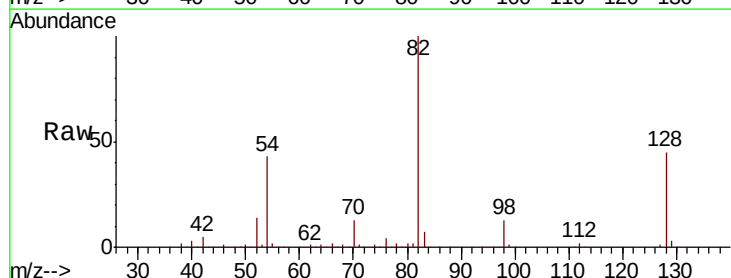
Instrument :
BNA_F
ClientSampleId :

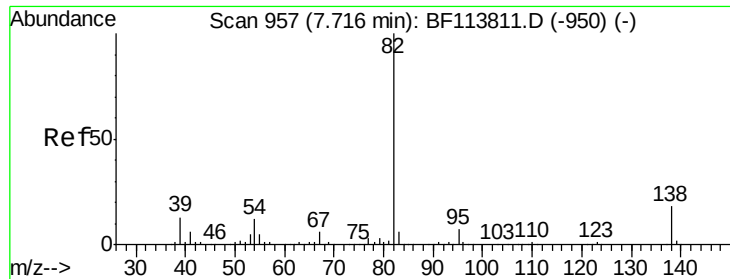
Tot Ion:136	Resp:	697083
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.6 12.8
54	6.6	5.0 7.6
68	6.3	4.9 7.3



#23
Nitrobenzene-d5
Concen: 35.325 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion: 82	Resp:	404372
Ion	Ratio	Lower Upper
82	100	
128	44.6	36.8 55.2
54	43.1	33.8 50.6





#25

Isophorone

Concen: 17.054 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Instrument :

BNA_F

ClientSampleId :

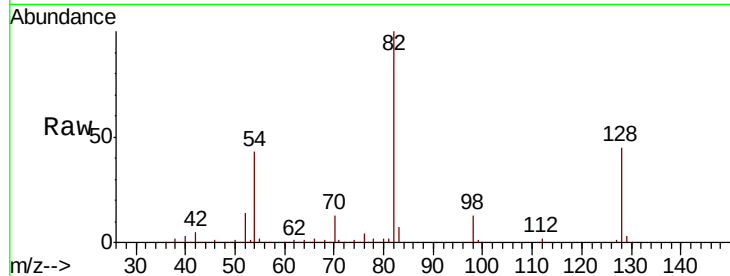
Tot Ion: 82 Resp: 404190

Ion Ratio Lower Upper

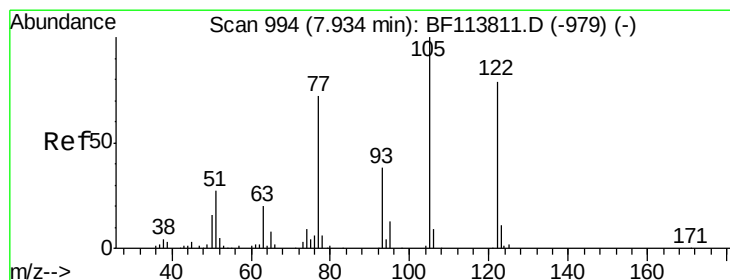
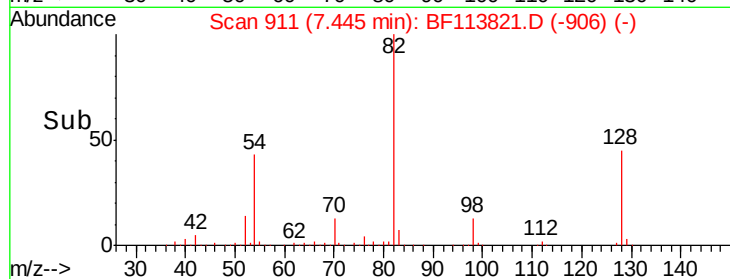
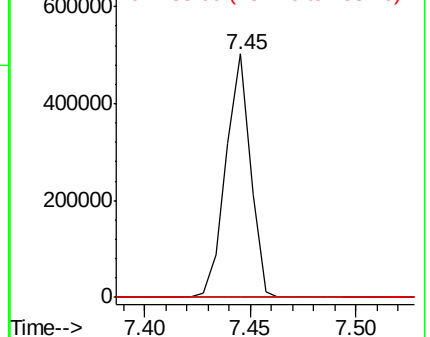
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.986 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.10 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

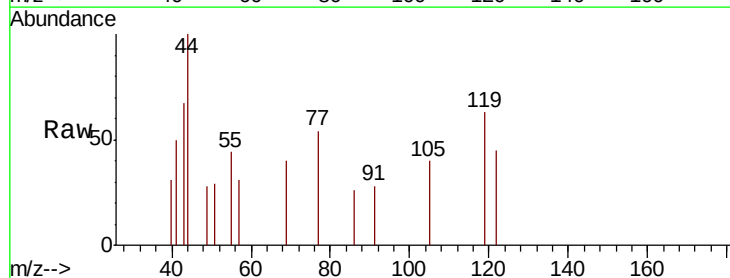
Tgt Ion: 122 Resp: 439

Ion Ratio Lower Upper

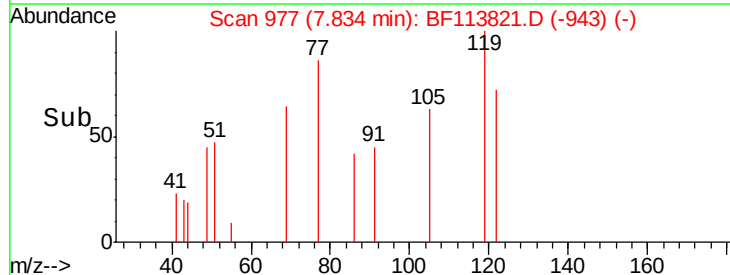
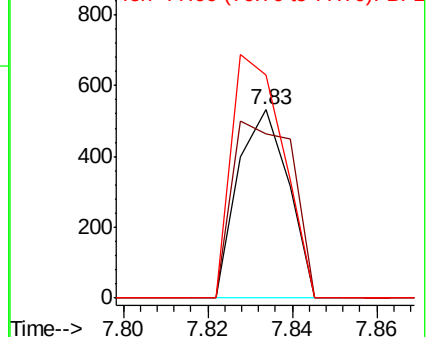
122 100

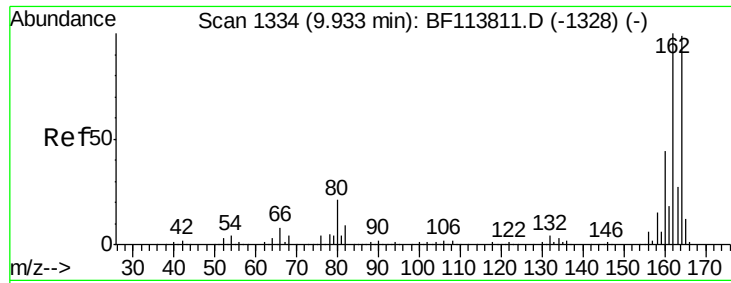
105 87.6 104.3 144.3#

77 119.0 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

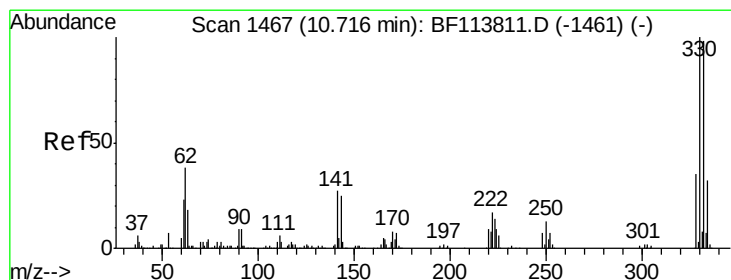
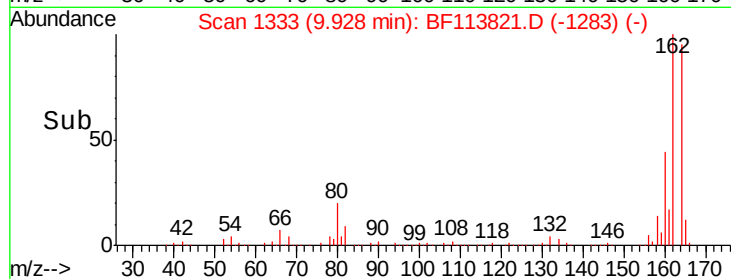
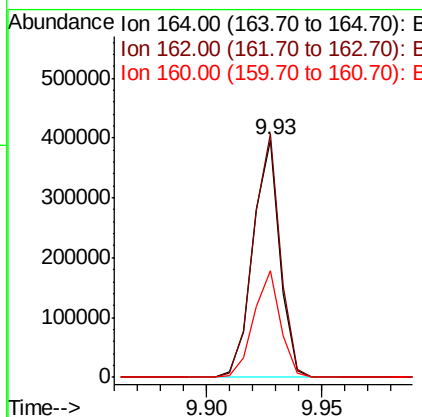
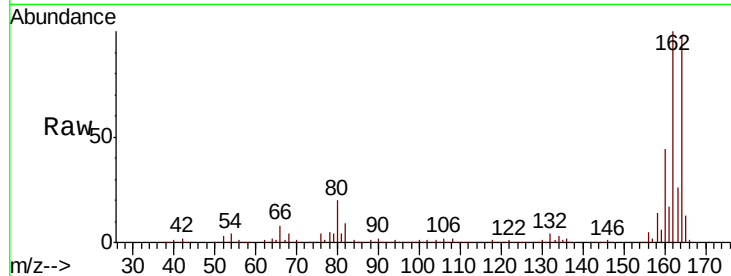




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

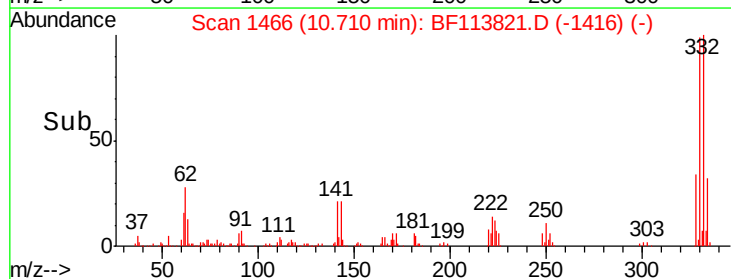
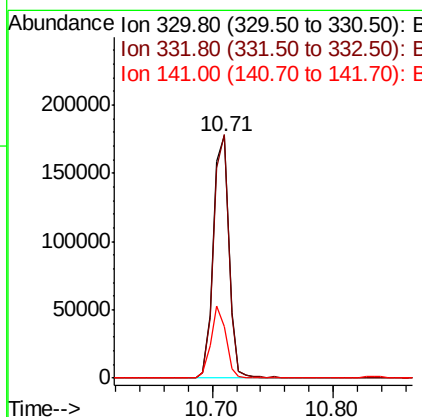
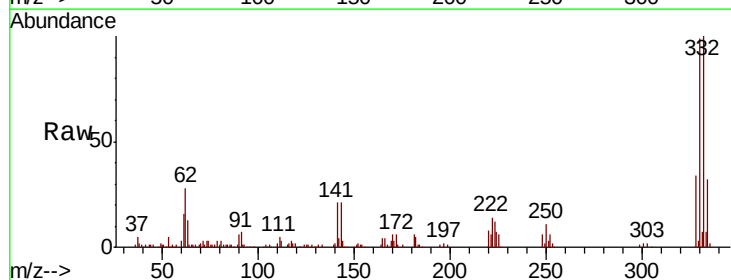
Instrument :
 BNA_F
 ClientSampled :

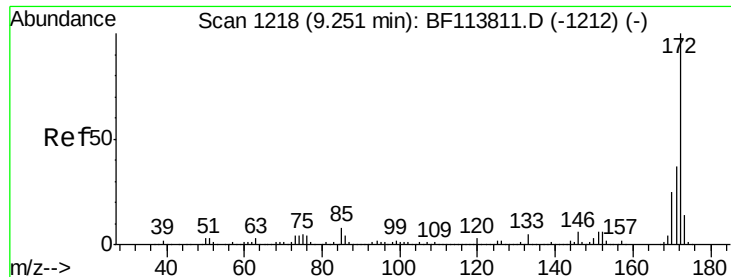
Tot Ion:164 Resp: 322832
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.1 121.7
 160 44.8 35.8 53.6



#42
 2,4,6-Tribromophenol
 Concen: 44.343 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

Tgt Ion:330 Resp: 158157
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.5 116.3
 141 28.2 22.2 33.2

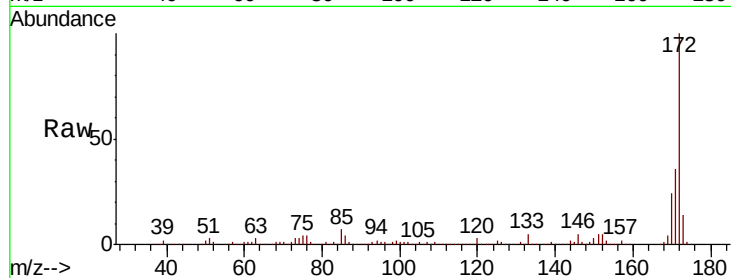




#45
2-Fluorobiphenyl
Concen: 36.360 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.2	19.9	29.9

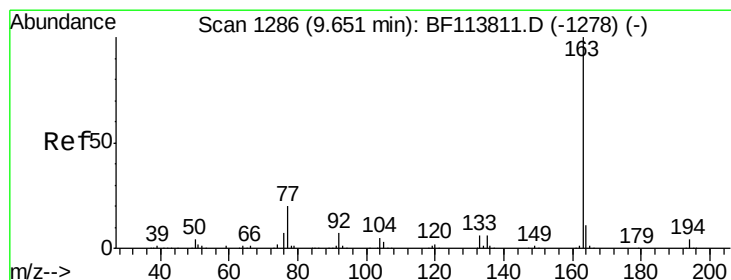
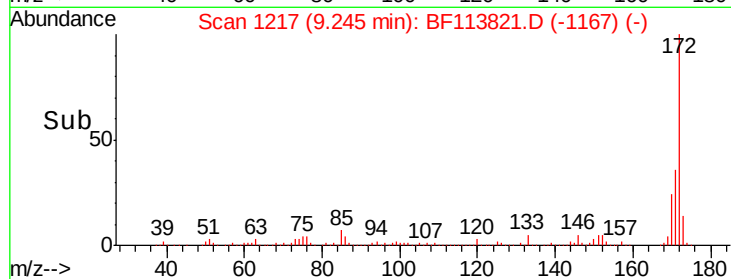
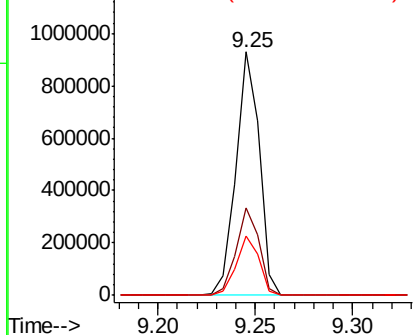


Abundance

Ion 172.00 (171.70 to 172.70): E

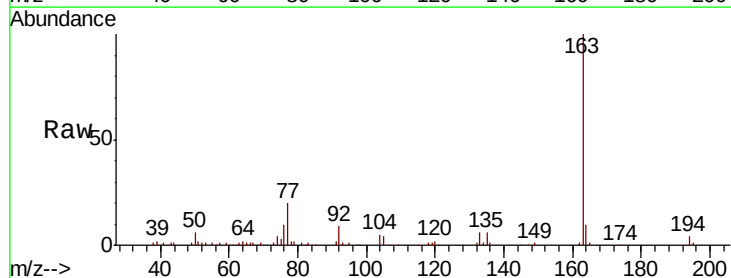
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.200 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.9	8.5	12.7

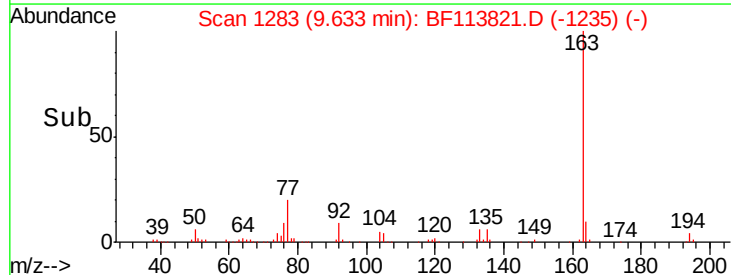
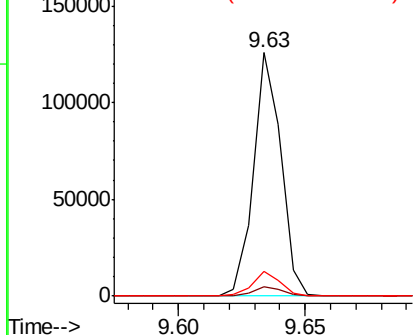


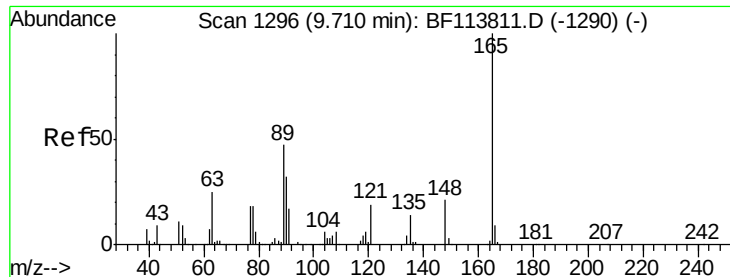
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.631 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Instrument :

BNA_F

ClientSampleId :

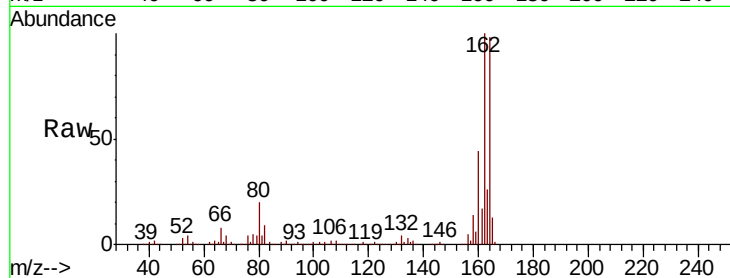
Tot Ion:165 Resp: 43033

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

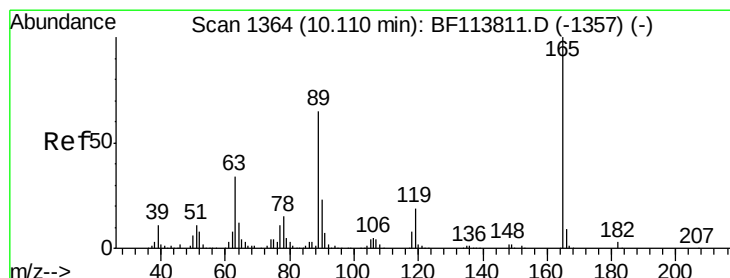
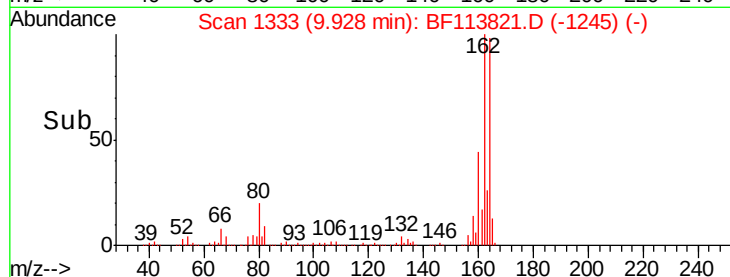
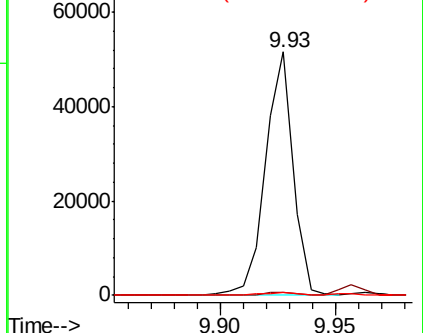
89 1.5 38.2 57.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.957 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Tgt Ion:165 Resp: 43033

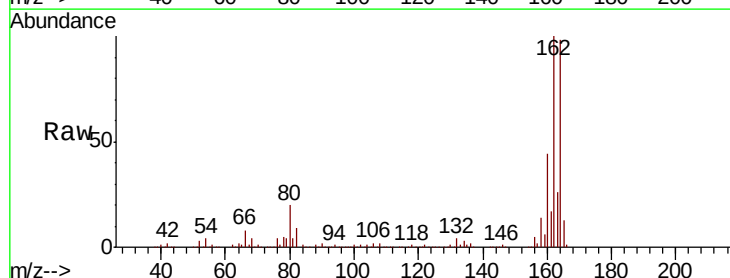
Ion Ratio Lower Upper

165 100

63 1.4 27.4 41.0#

89 1.5 51.8 77.6#

182 0.0 2.2 3.2#

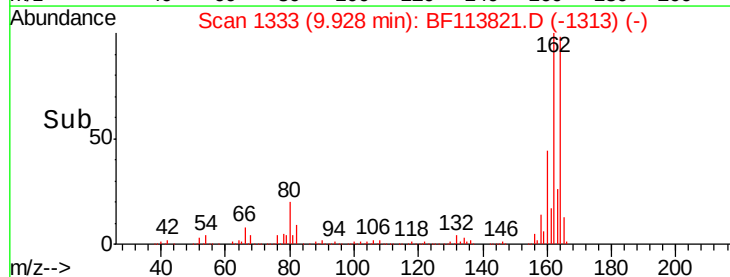
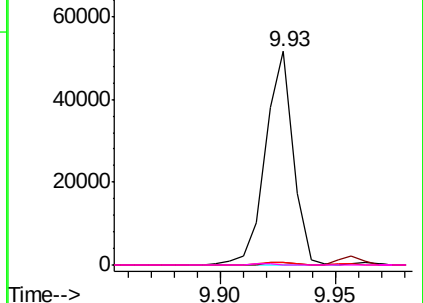


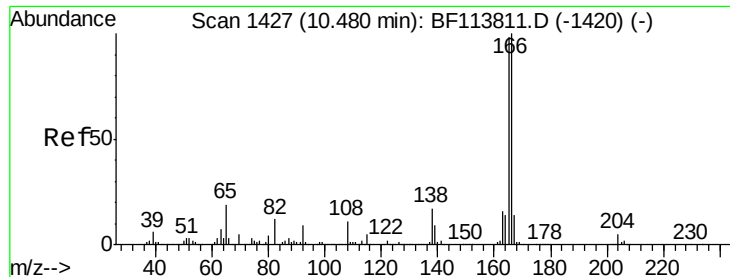
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

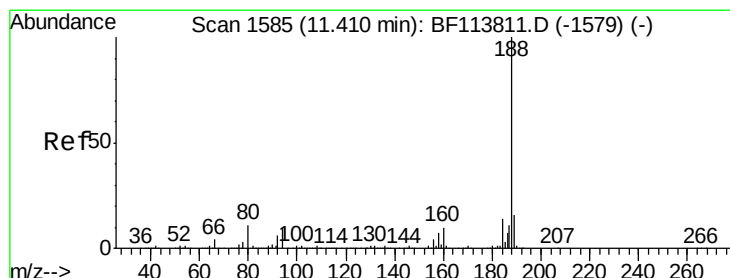
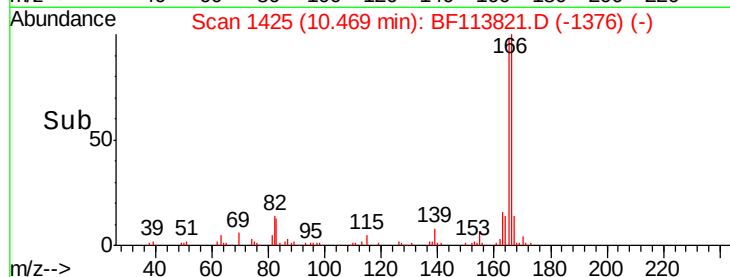
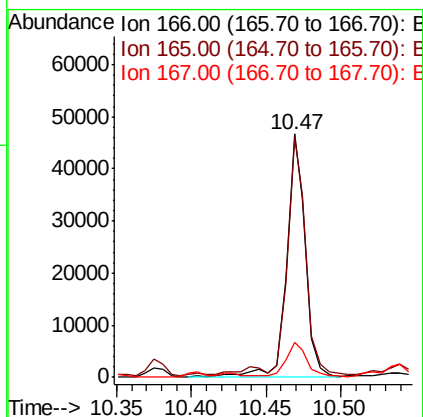
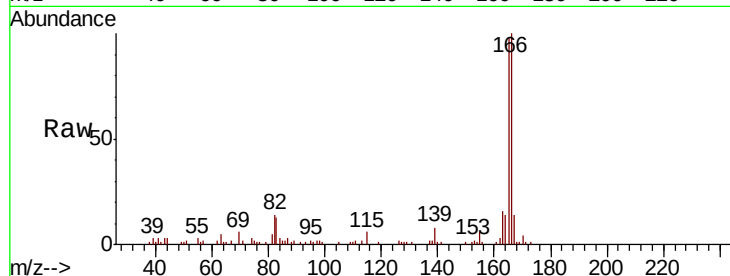




#58
 Fluorene
 Concen: 2.018 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

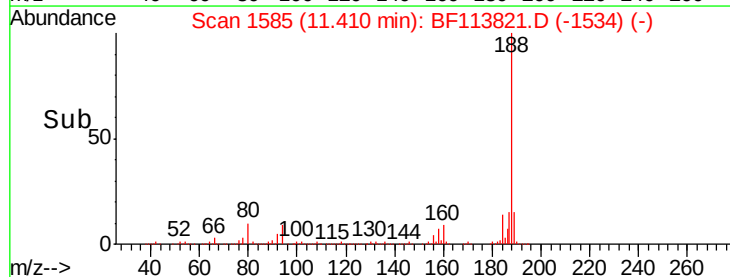
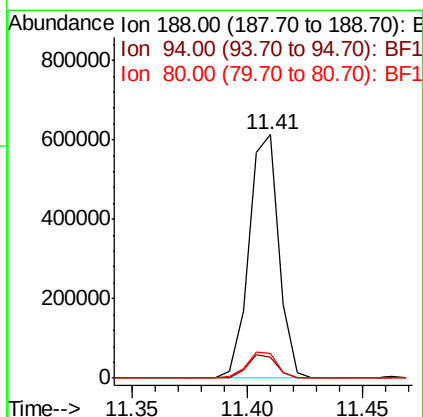
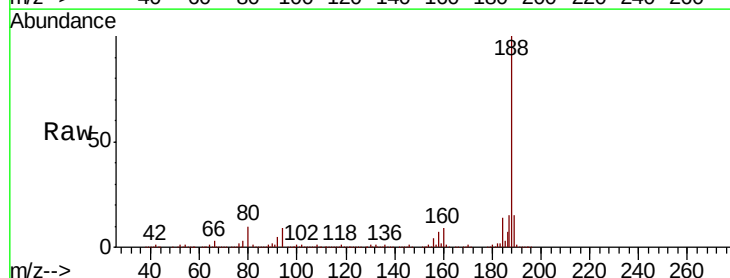
Instrument :
 BNA_F
 ClientSampleId :

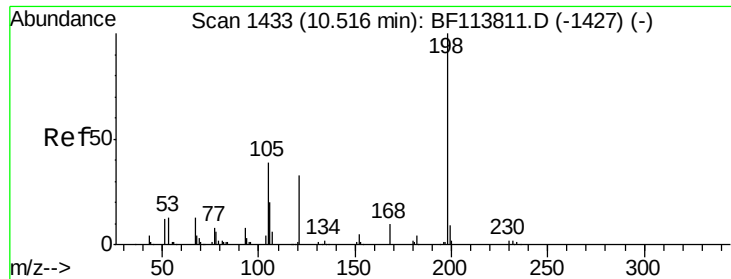
Tot Ion:166 Resp: 41368
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.4 117.6
 167 14.4 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

Tgt Ion:188 Resp: 554394
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.2 12.4
 80 10.1 9.0 13.6

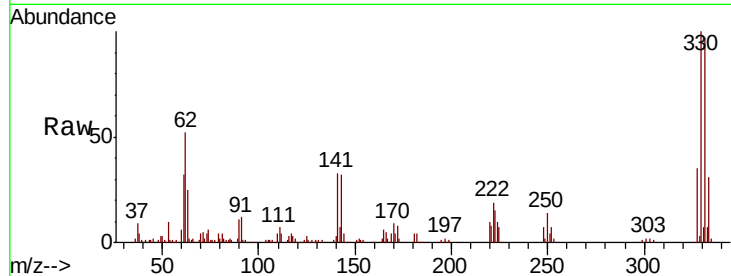




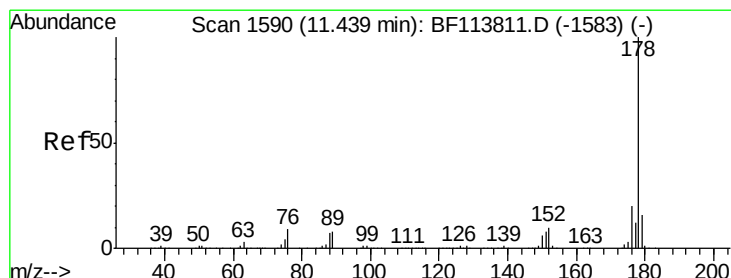
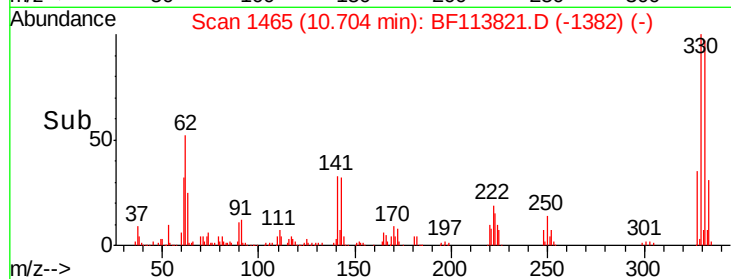
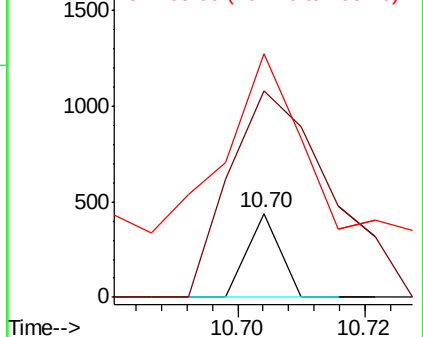
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.985 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	247.5	11.1	51.1#
105	290.9	20.7	60.7#

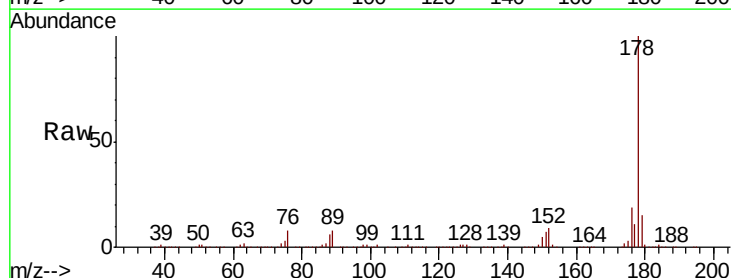


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

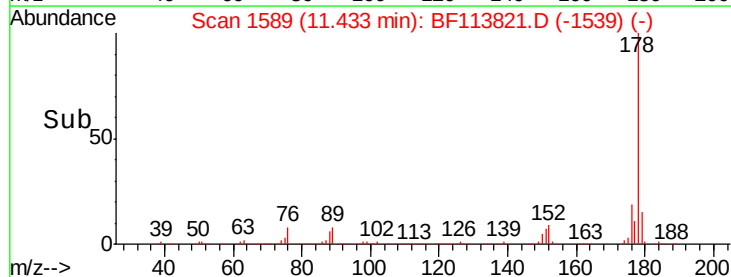
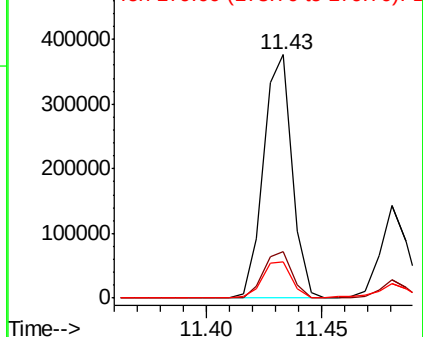


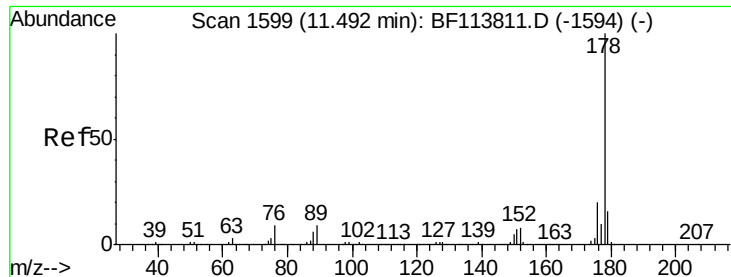
#71
 Phenanthrene
 Concen: 11.555 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.1	24.1
179	15.1	12.8	19.2



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





#72

Anthracene

Concen: 3.971 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Instrument :

BNA_F

ClientSampleId :

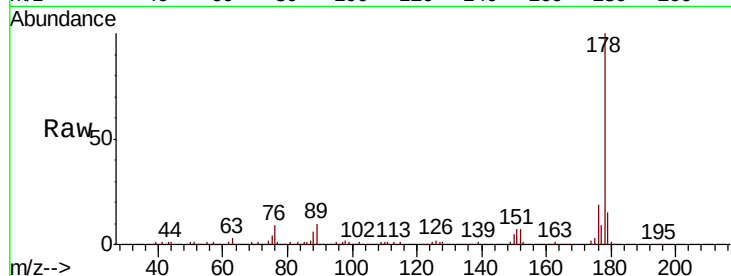
Tot Ion:178 Resp: 112998

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	13.0	19.4

178 100

176 19.5 15.7 23.5

179 15.4 13.0 19.4

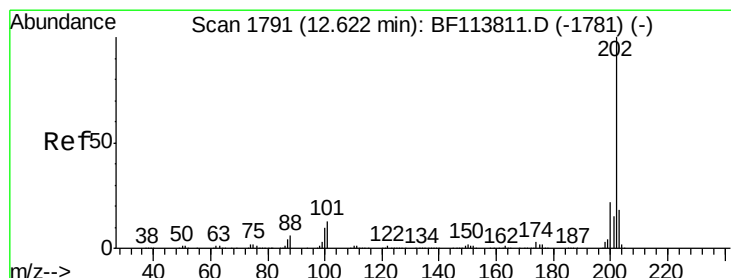
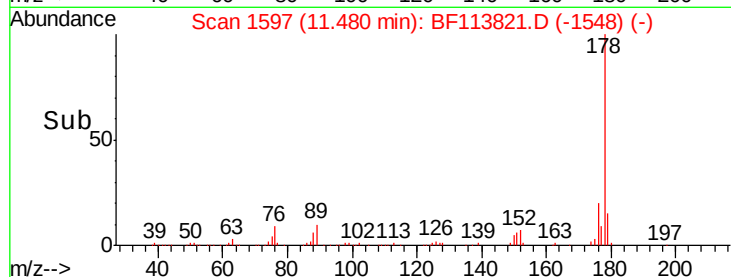
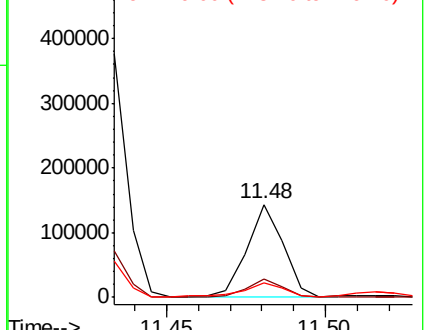


Abundance

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



#75

Fluoranthene

Concen: 20.496 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

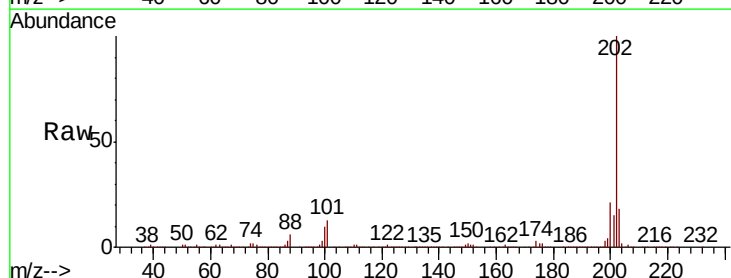
Tgt Ion:202 Resp: 613335

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.9
203	18.0	0.0	38.2

202 100

101 13.4 0.0 32.9

203 18.0 0.0 38.2

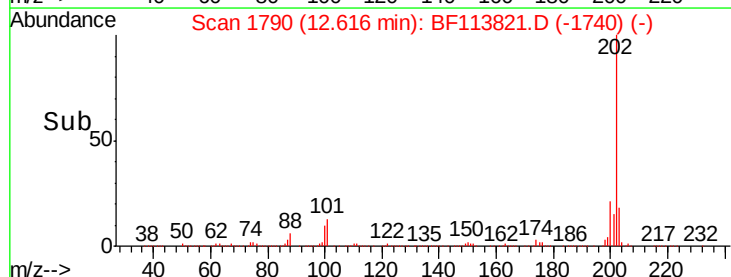
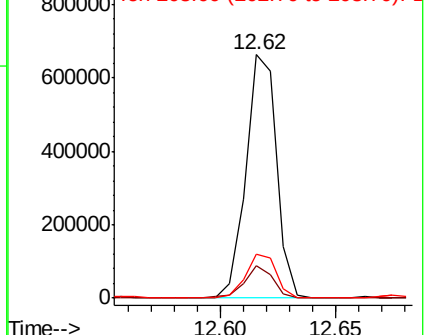


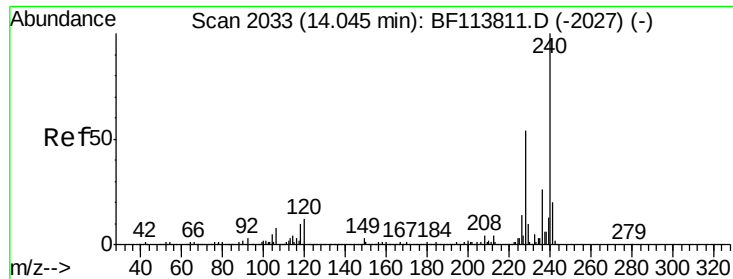
Abundance

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

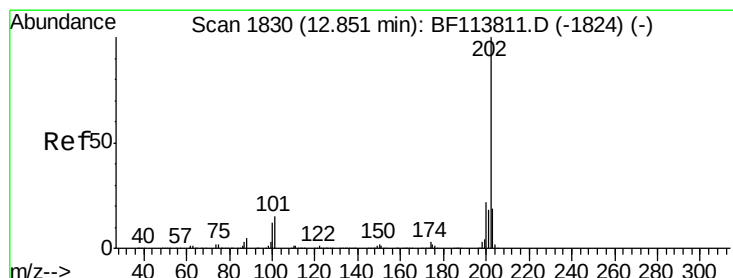
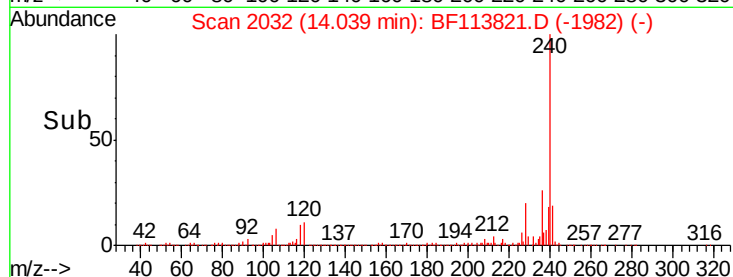
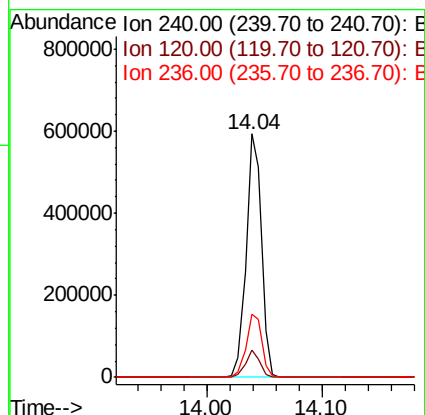
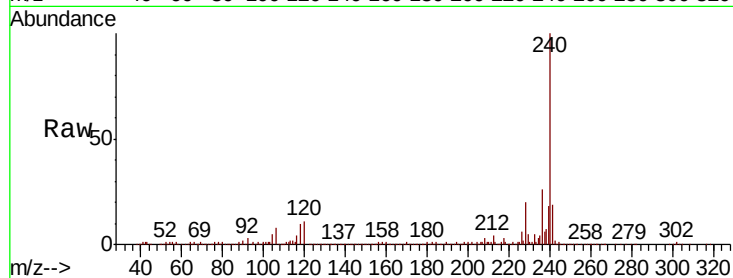




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

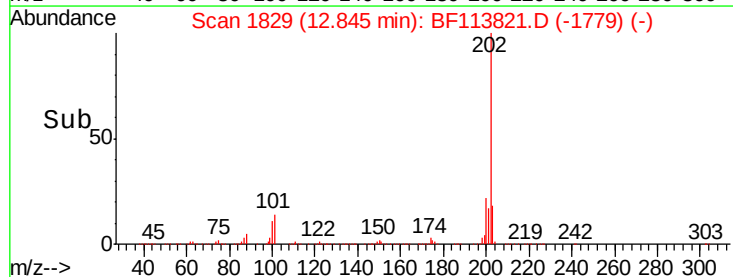
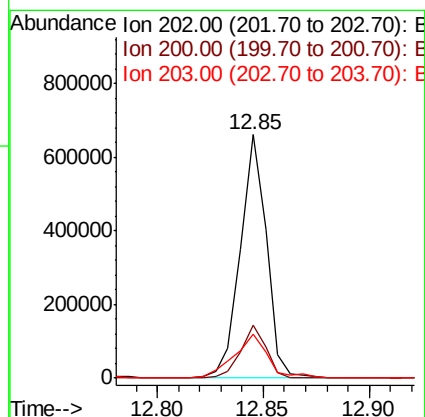
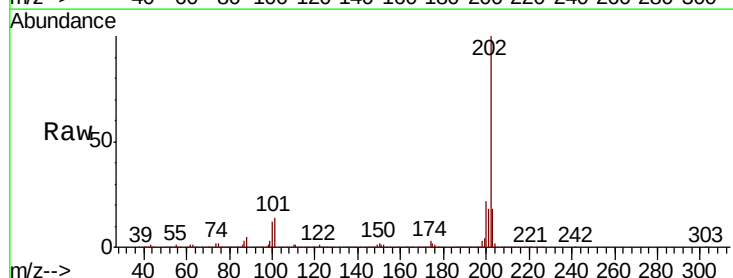
Instrument :
BNA_F
ClientSampleId :

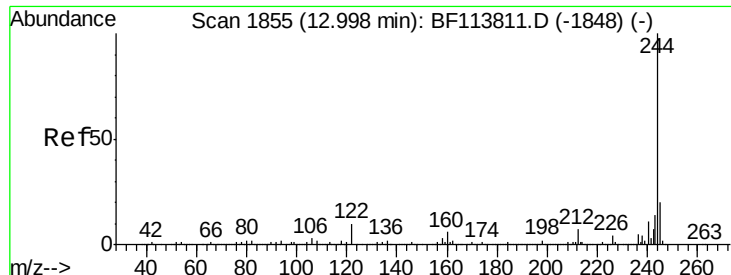
Tot Ion:240 Resp: 546898
Ion Ratio Lower Upper
240 100
120 11.4 9.3 13.9
236 26.1 21.2 31.8



#78
Pyrene
Concen: 14.616 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion:202 Resp: 563339
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 18.1 15.0 22.6





#79

Terphenyl-d14

Concen: 30.611 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

Instrument :

BNA_F

ClientSampled :

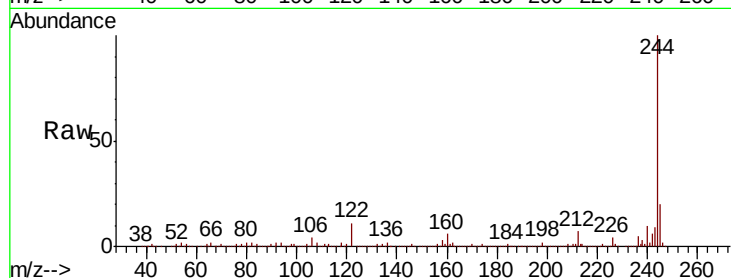
Tot Ion:244 Resp: 798348

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

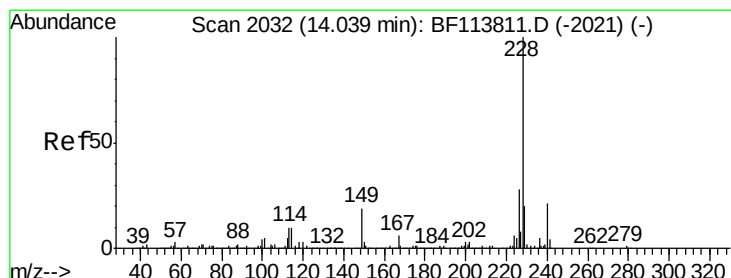
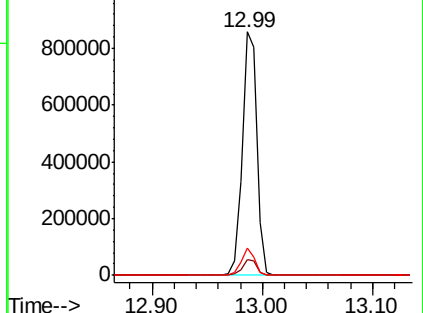
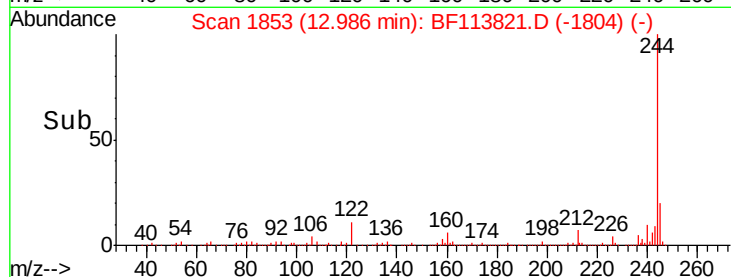
122 11.1 7.6 11.4



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



#81

Benzo(a)anthracene

Concen: 10.311 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF113821.D

Acq: 18 Apr 2019 17:07

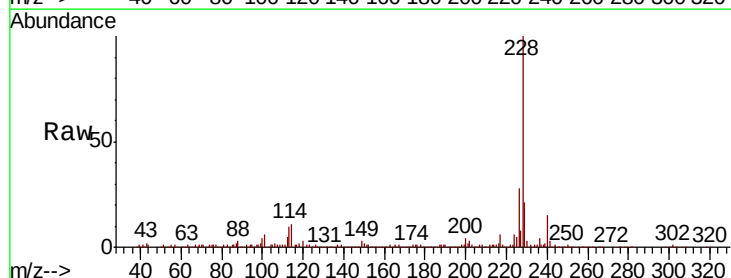
Tgt Ion:228 Resp: 329636

Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.2

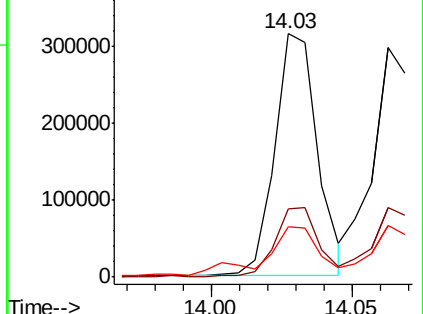
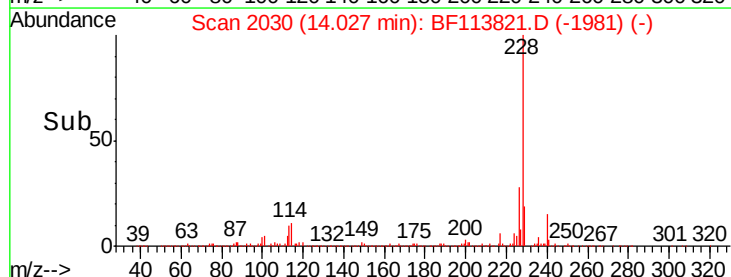
229 20.6 16.0 24.0

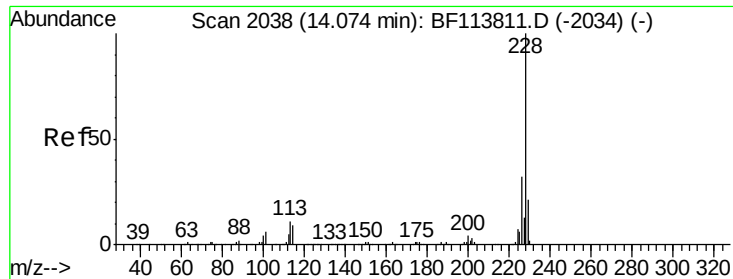


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

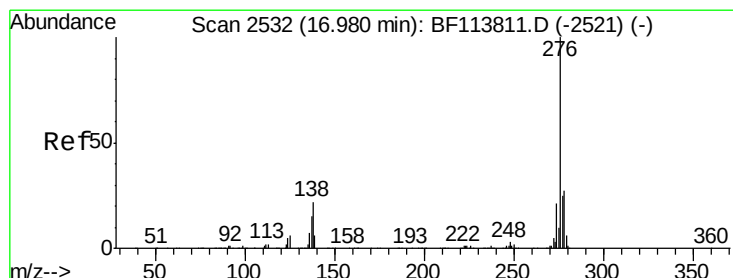
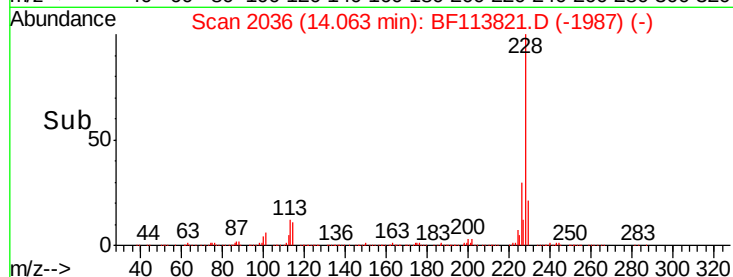
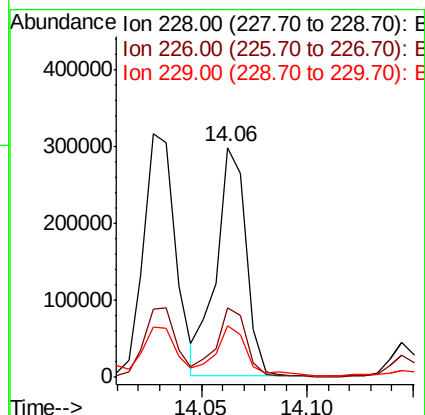
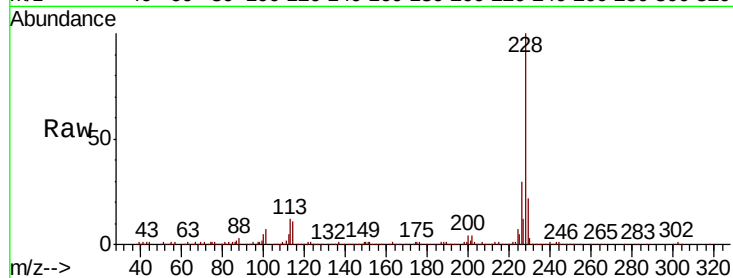




#83
Chrysene
Concen: 9.195 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

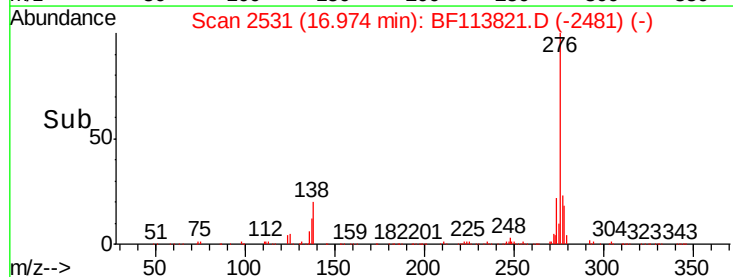
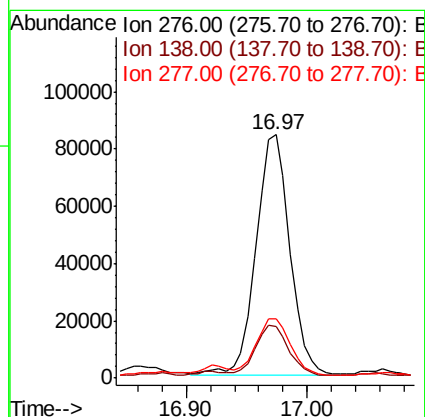
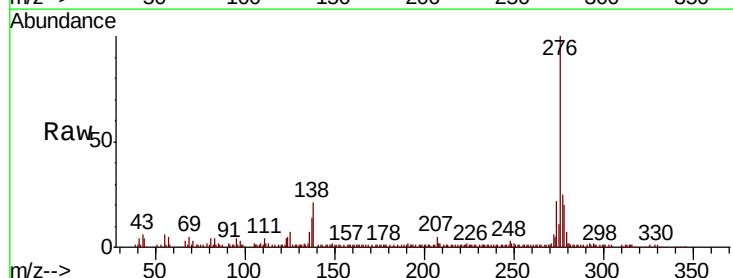
Instrument :
BNA_F
ClientSampleId :

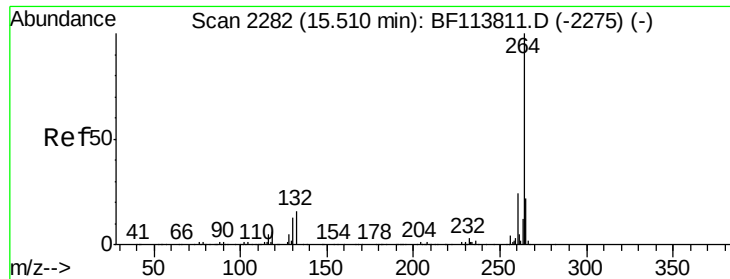
Tot Ion:228 Resp: 291757
Ion Ratio Lower Upper
228 100
226 30.5 25.2 37.8
229 22.5 16.7 25.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.354 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion:276 Resp: 164594
Ion Ratio Lower Upper
276 100
138 20.7 19.6 29.4
277 24.1 20.2 30.4



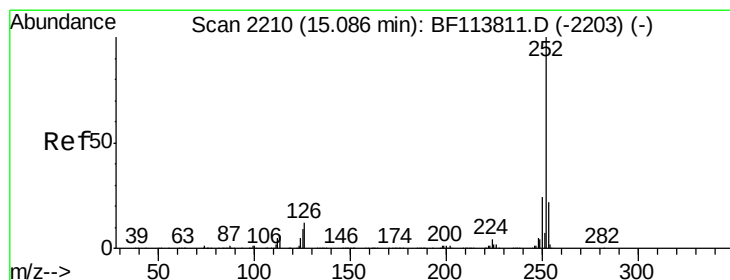
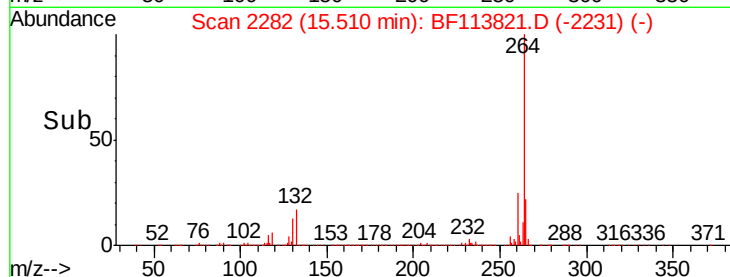
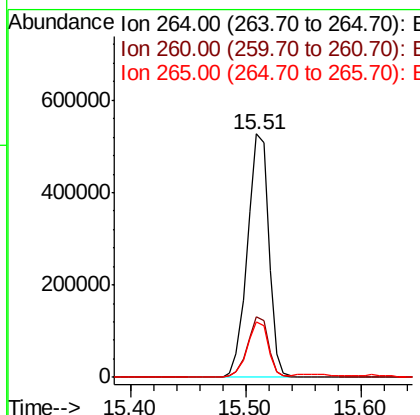
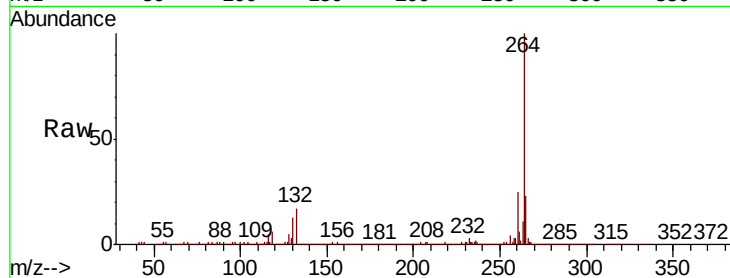


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.00 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 679261

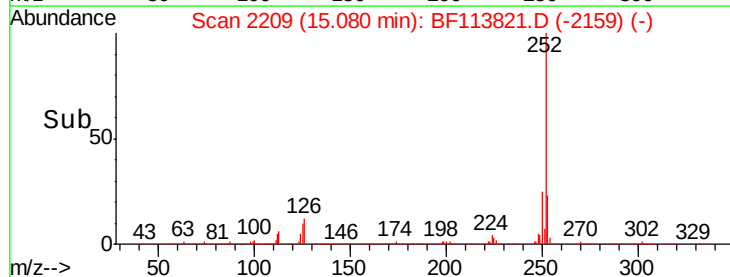
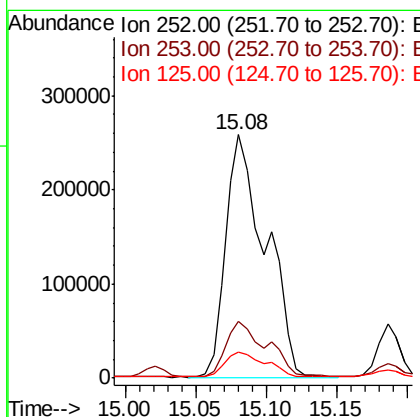
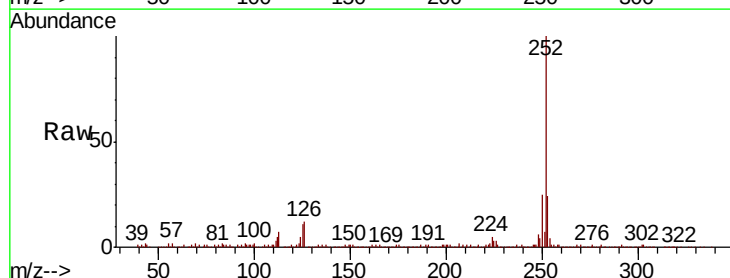
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.9	28.3
265	22.6	17.3	25.9

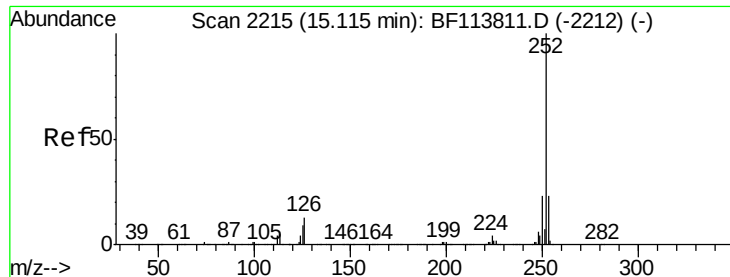


#88
Benzo(b)fluoranthene
Concen: 12.026 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion:252 Resp: 509240

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	10.7	7.0	10.6#

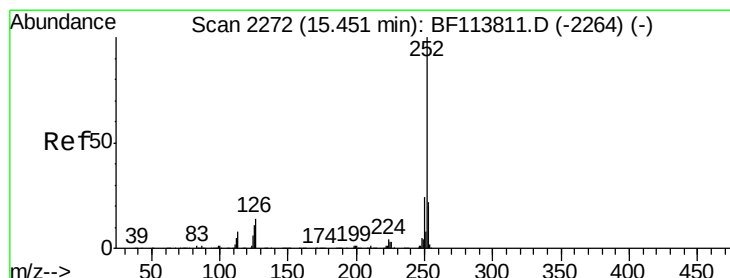
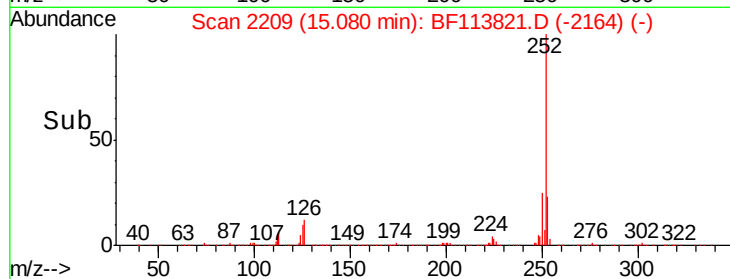
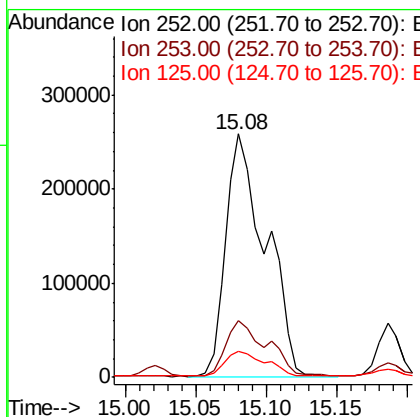
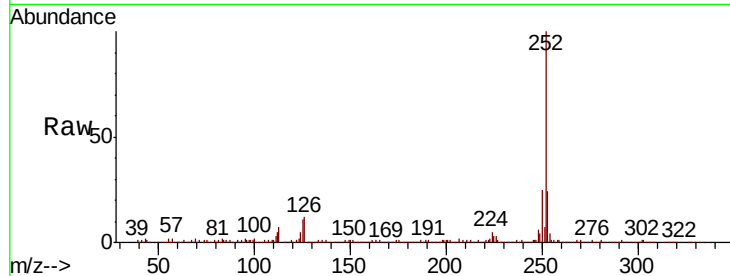




#89
Benzo(k)fluoranthene
Concen: 13.204 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

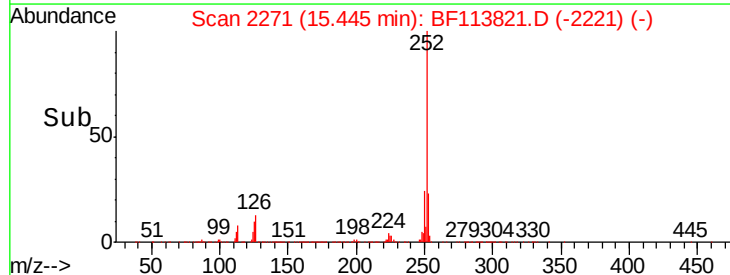
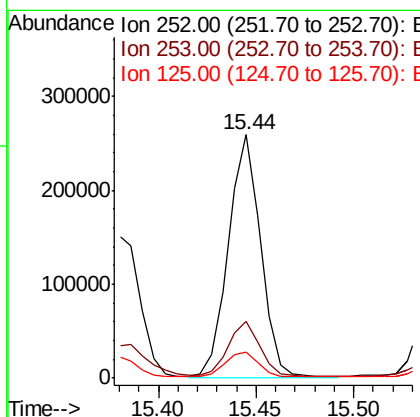
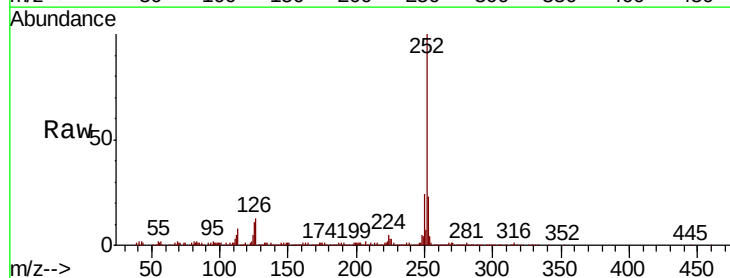
Instrument :
BNA_F
ClientSampleId :

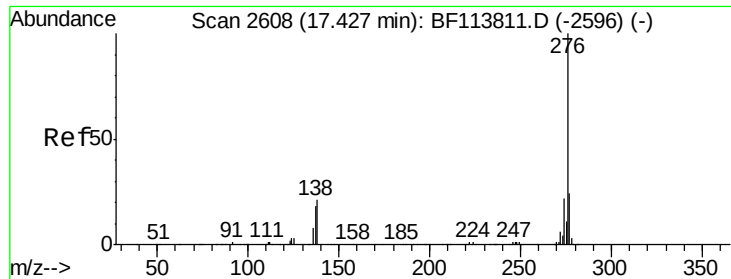
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.7	7.4	11.2



#90
Benzo(a)pyrene
Concen: 7.863 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF113821.D
Acq: 18 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.9	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 4.176 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF113821.D
 Acq: 18 Apr 2019 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.4
138	22.0	16.6	25.0

