

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113230.D
 Acq On : 22 Mar 2019 13:07
 Operator : JU/SJ
 Sample : K1989-05 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 16:11:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 22 16:06:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	122642	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	481999	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	249698	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	396909	20.00	ng	0.01
76) Chrysene-d12	13.89	240	294332	20.00	ng	0.02
87) Perylene-d12	15.29	264	409774	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	139121	17.65	ng	-0.01
7) Phenol-d6	6.36	99	195755	19.77	ng	-0.01
23) Nitrobenzene-d5	7.27	82	111122	13.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	59073	22.28	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	251955	12.53	ng	-0.01
79) Terphenyl-d14	12.82	244	270855	17.84	ng	0.00

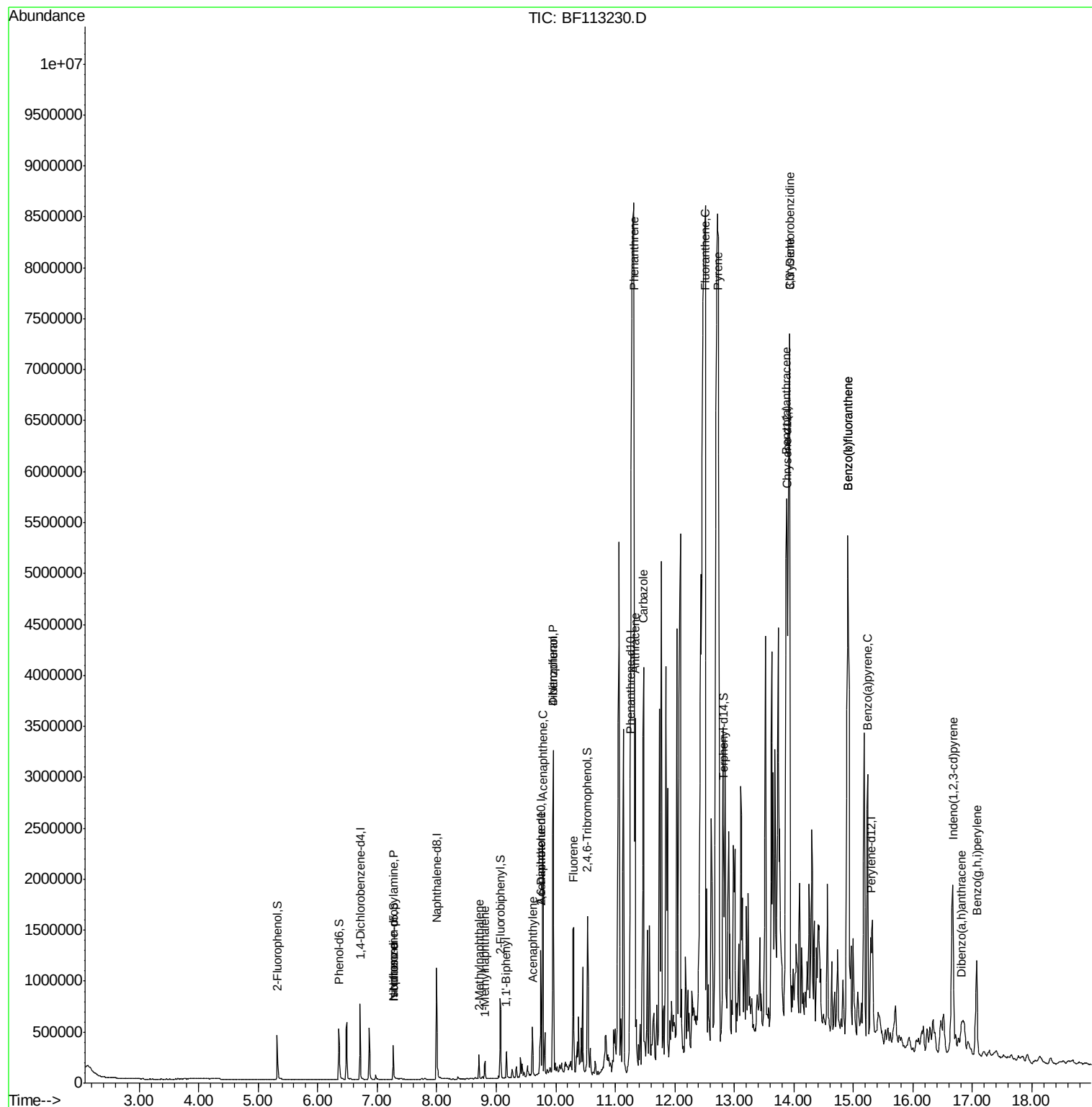
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	15187	2.421	ng	# 84
25) Isophorone	7.27	82	108825	6.271	ng	# 66
37) 2-Methylnaphthalene	8.71	142	62652	4.054	ng	98
38) 1-Methylnaphthalene	8.81	142	45822	3.061	ng	98
46) 1,1'-Biphenyl	9.17	154	88228	4.332	ng	99
49) Acenaphthylene	9.61	152	188086	6.967	ng	99
51) 2,6-Dinitrotoluene	9.75	165	43041	11.226	ng	# 27
52) Acenaphthene	9.78	154	499359	31.629	ng	99
55) Dibenzofuran	9.96	168	1248839	54.424	ng	99
56) 4-Nitrophenol	9.96	139	453003	119.310	ng	# 16
58) Fluorene	10.30	166	415122	25.489	ng	99
71) Phenanthrene	11.31	178	10889108	551.409	ng	96
72) Anthracene	11.33	178	993907	48.081	ng	100
73) Carbazole	11.47	167	1666031	82.618	ng	99
75) Fluoranthene	12.50	202	12836351	606.706	ng	97
78) Pyrene	12.73	202	10088647	406.589	ng	94
81) Benzo(a)anthracene	13.88	228	4107201	201.341	ng	97
82) 3,3'-Dichlorobenzidine	13.92	252	24973	3.237	ng	# 1
83) Chrysene	13.93	228	4473417	223.876	ng	95
86) Indeno(1,2,3-cd)pyrene	16.66	276	1008379	59.195	ng	96
88) Benzo(b)fluoranthene	14.90	252	4973967	187.659	ng	96
89) Benzo(k)fluoranthene	14.90	252	4973967	207.175	ng	96
90) Benzo(a)pyrene	15.24	252	1262242	53.840	ng	97
91) Dibenzo(a,h)anthracene	16.81	278	124871	6.242	ng	96
92) Benzo(g,h,i)perylene	17.07	276	817108	40.676	ng	99

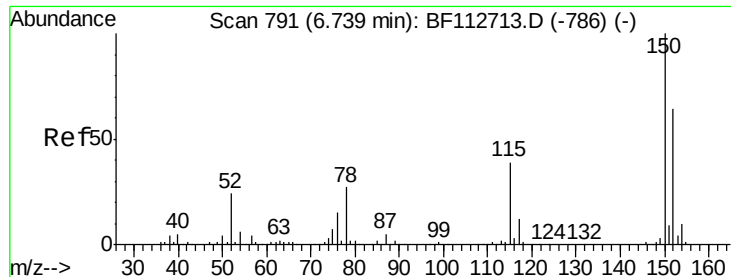
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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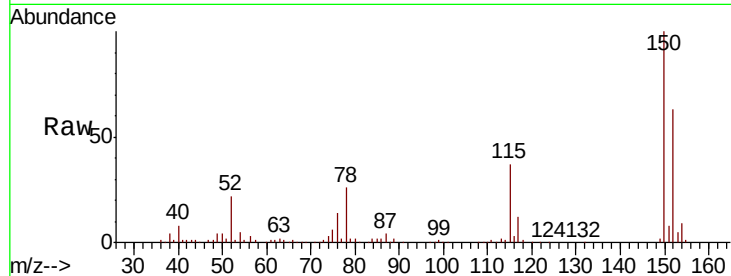


#1

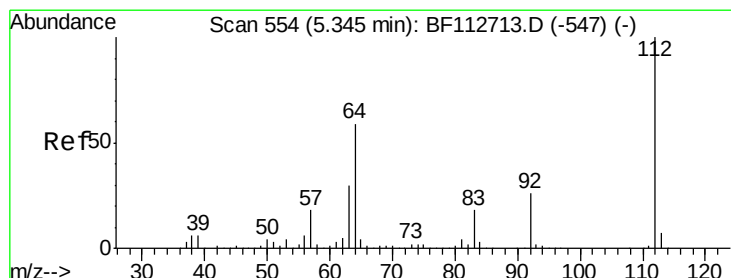
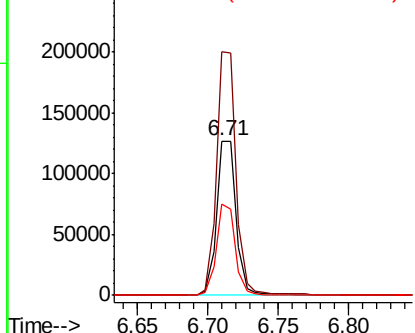
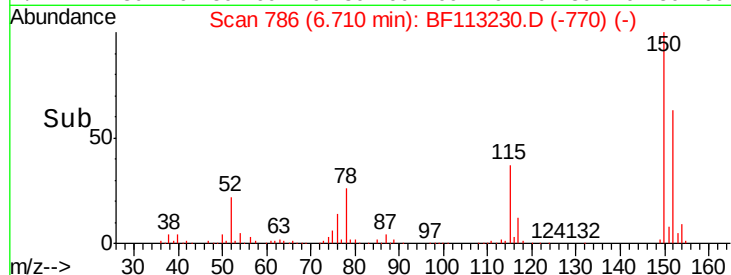
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 122642
Ion Ratio Lower Upper
152 100
150 157.5 124.2 186.2
115 59.0 47.4 71.0



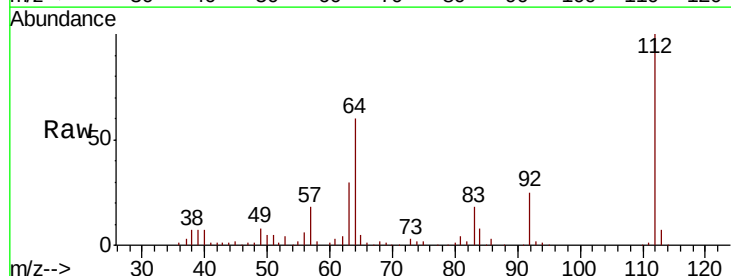
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



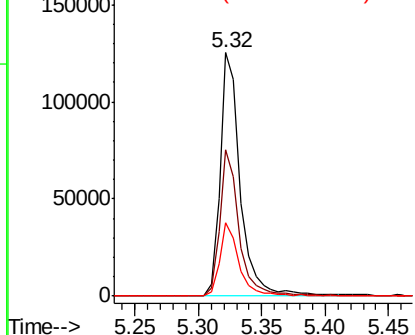
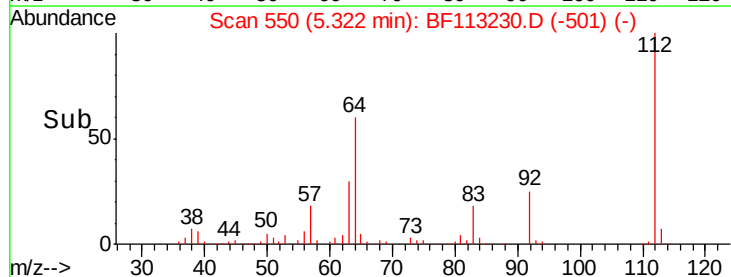
#5

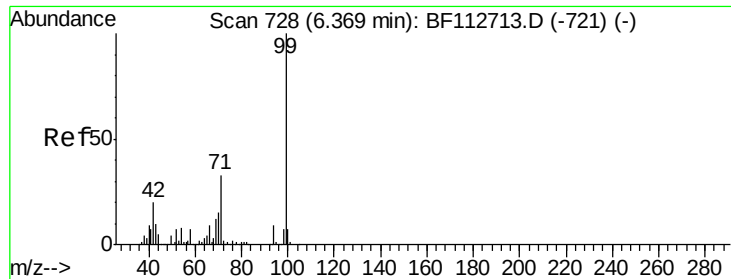
2-Fluorophenol
Concen: 17.646 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:112 Resp: 139121
Ion Ratio Lower Upper
112 100
64 60.3 48.7 73.1
63 30.0 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: 19.766 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

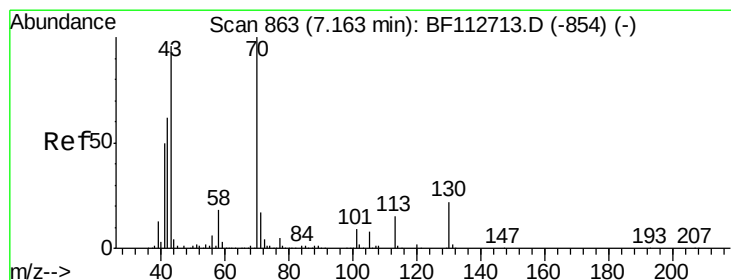
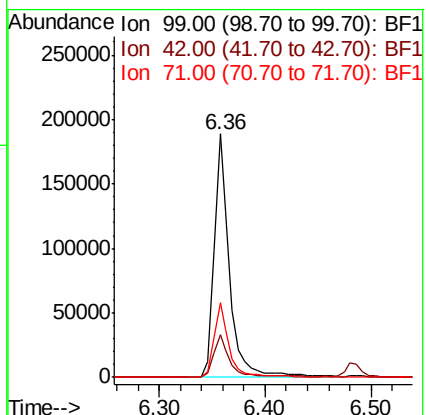
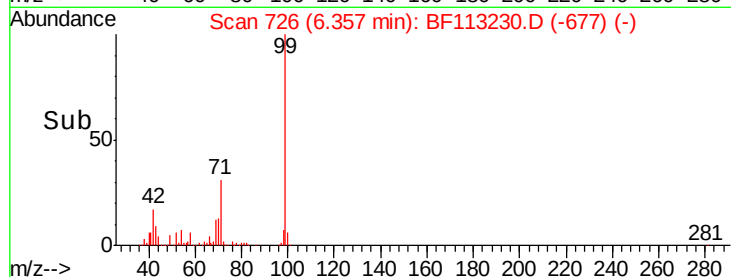
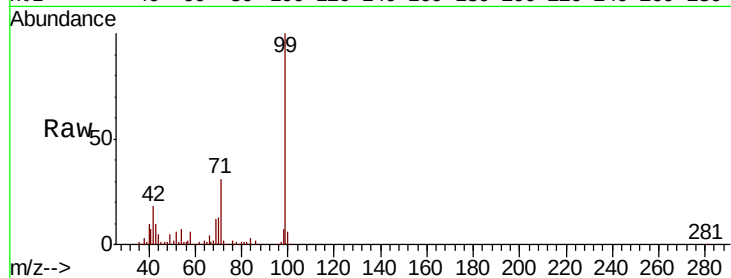
Tot Ion: 99 Resp: 195755

Ion Ratio Lower Upper

99 100

42 17.8 15.0 22.6

71 30.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.421 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion: 70 Resp: 15187

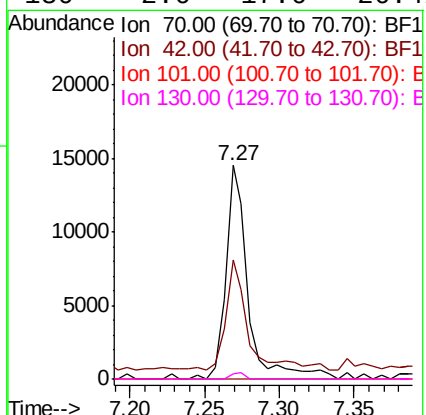
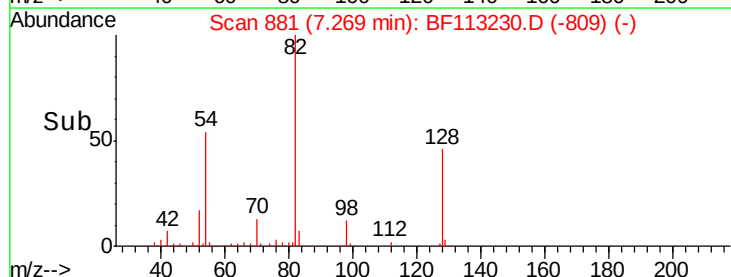
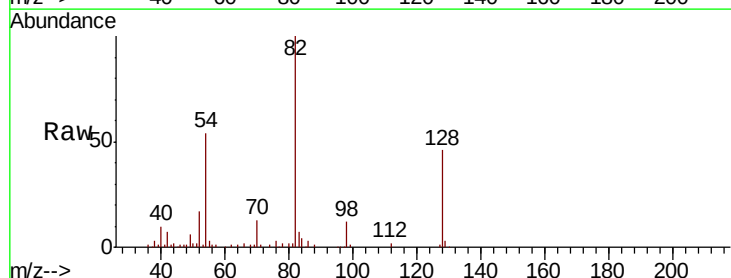
Ion Ratio Lower Upper

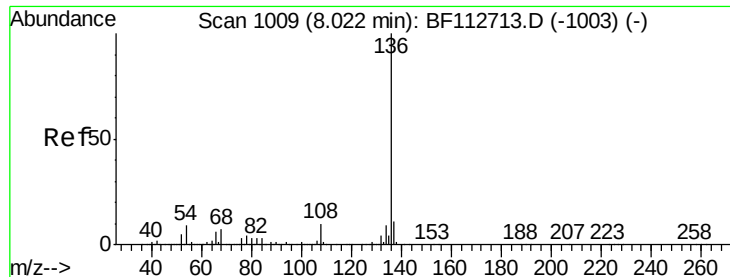
70 100

42 55.5 47.6 71.4

101 0.0 7.6 11.4#

130 2.6 17.6 26.4#

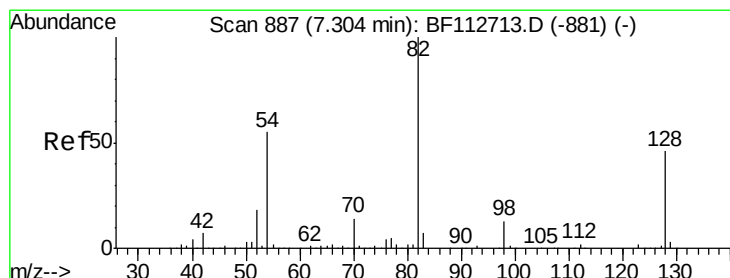
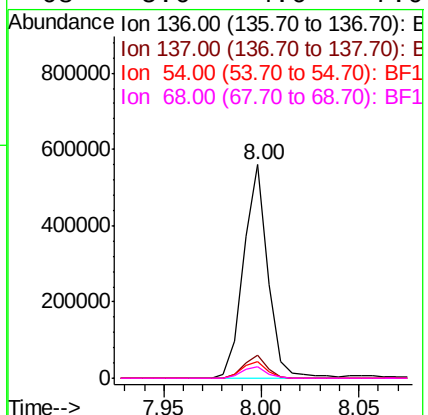
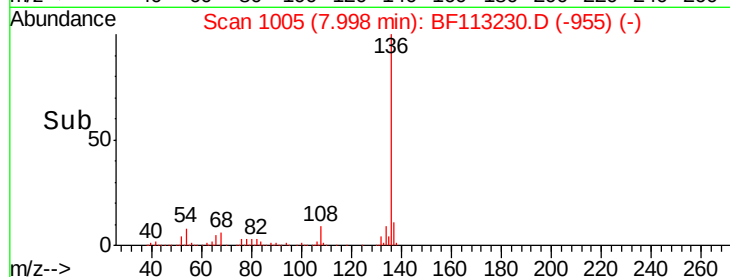
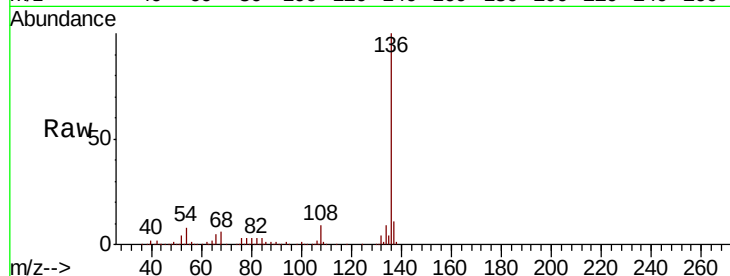




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

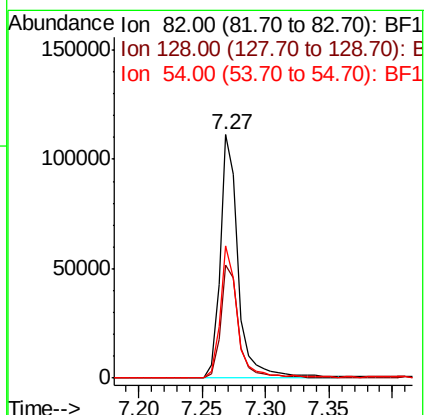
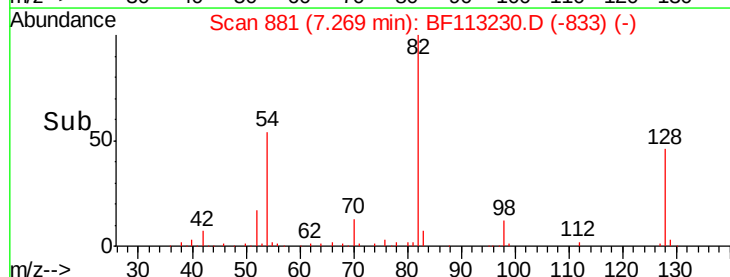
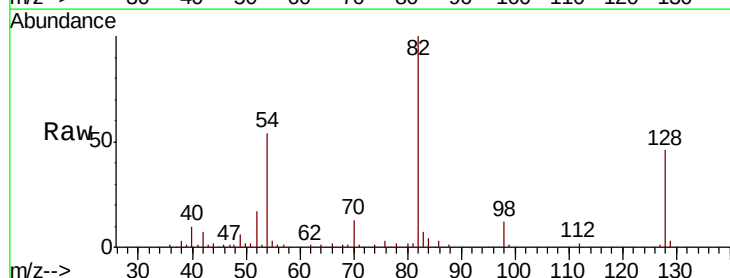
Instrument :
BNA_F
ClientSampleId :

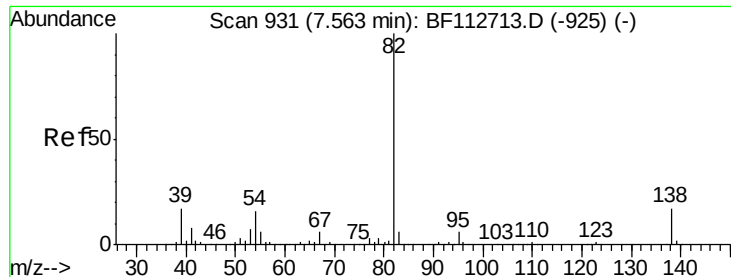
Tot Ion:136	Resp:	481999	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.7	13.1	
54 7.8	6.2	9.2	
68 5.6	4.6	7.0	



#23
Nitrobenzene-d5
Concen: 13.795 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion: 82	Resp: 111122
Ion Ratio	Lower Upper
82 100	
128 46.3	37.5 56.3
54 54.1	41.8 62.8





#25

Isophorone

Concen: 6.271 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampled :

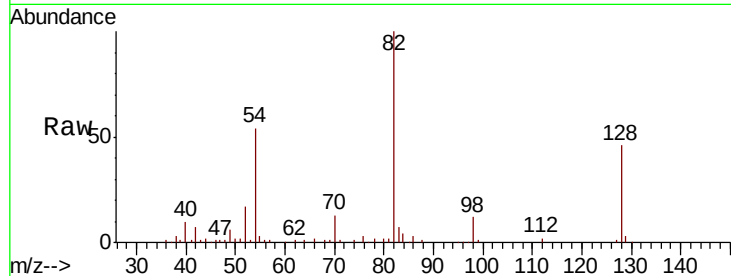
Tot Ion: 82 Resp: 108825

Ion Ratio Lower Upper

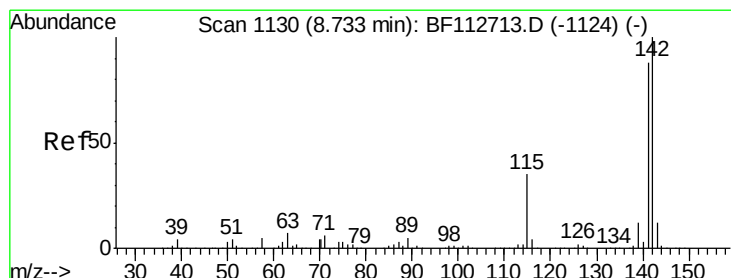
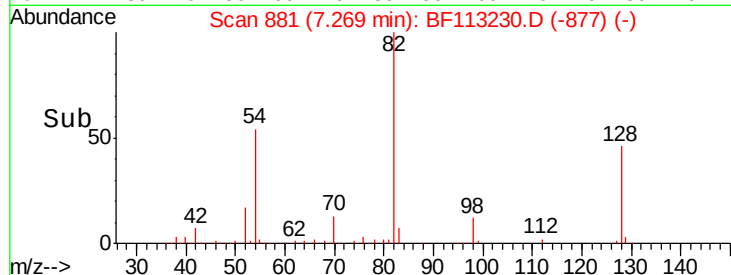
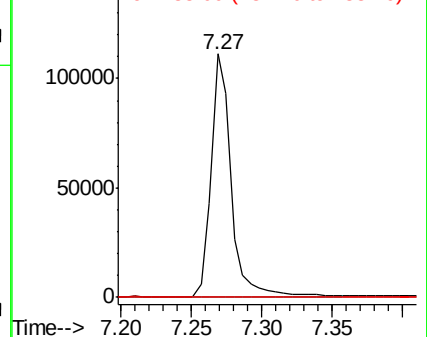
82 100

95 0.3 5.4 8.2#

138 0.0 14.0 21.0#



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



#37

2-Methylnaphthalene

Concen: 4.054 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

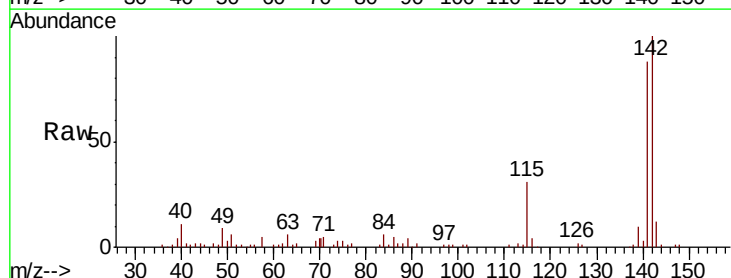
Tgt Ion: 142 Resp: 62652

Ion Ratio Lower Upper

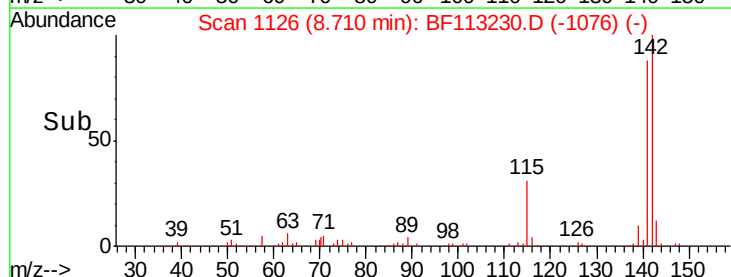
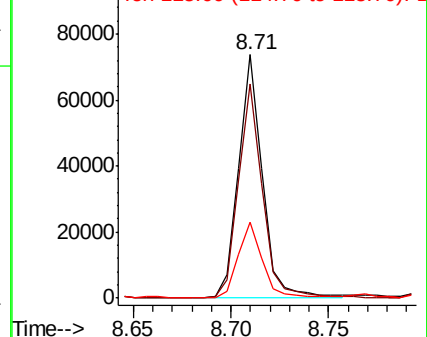
142 100

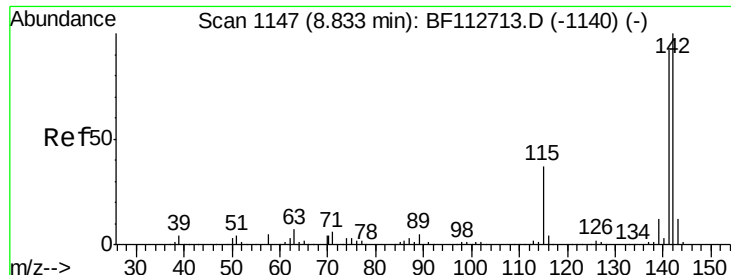
141 87.9 70.6 105.8

115 31.4 27.3 40.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

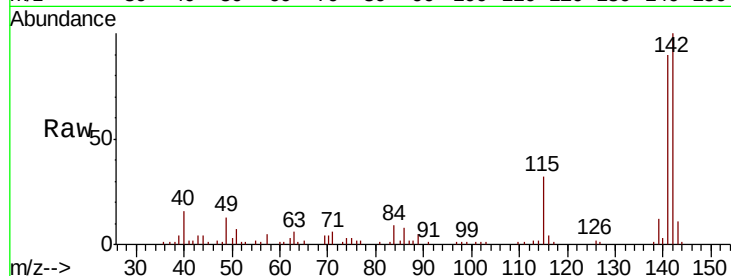




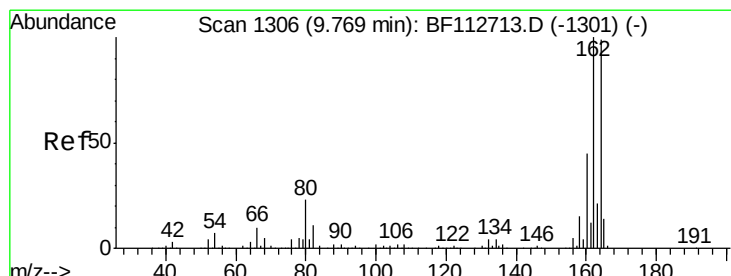
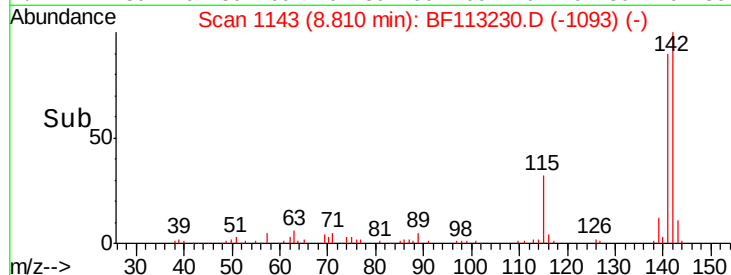
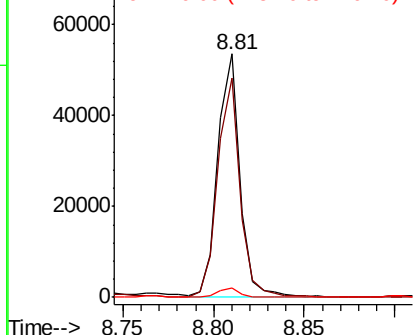
#38
1-Methylnaphthalene
Concen: 3.061 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 45822
Ion Ratio Lower Upper
142 100
141 90.2 73.4 110.0
116 3.7 2.9 4.3

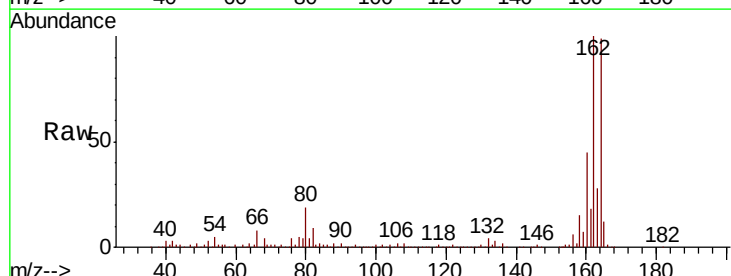


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

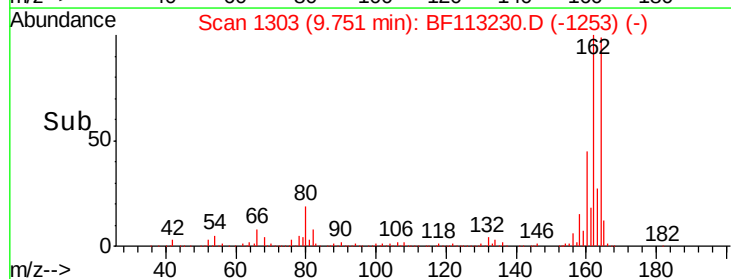
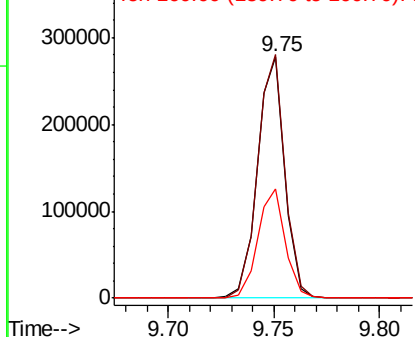


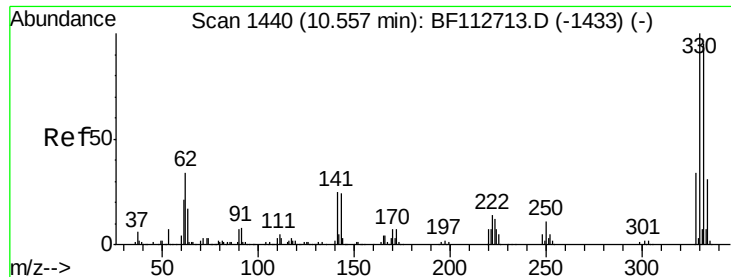
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:164 Resp: 249698
Ion Ratio Lower Upper
164 100
162 100.8 80.7 121.1
160 45.1 36.4 54.6



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

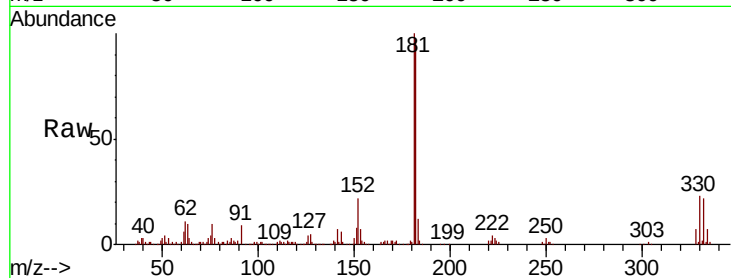




#42
 2,4,6-Tribromophenol
 Concen: 22.284 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.8	113.8
141	31.9	21.8	32.8

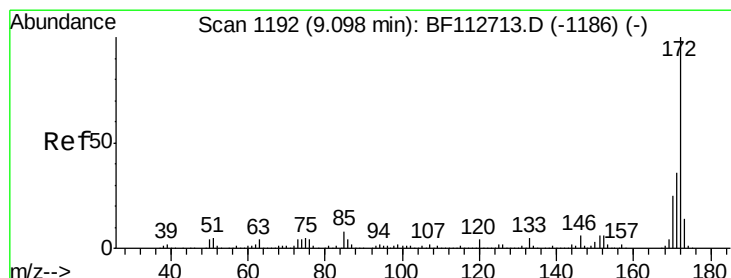
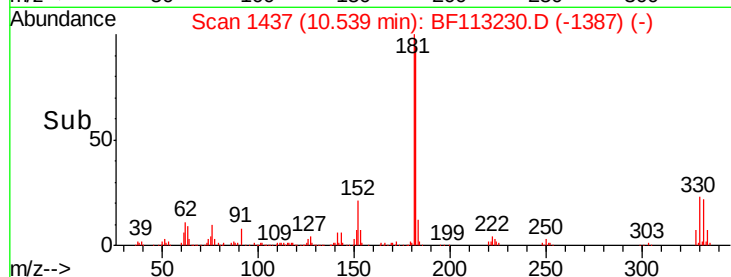
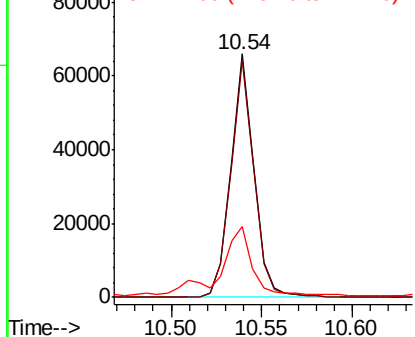


Abundance

Ion 329.80 (329.50 to 330.50): E

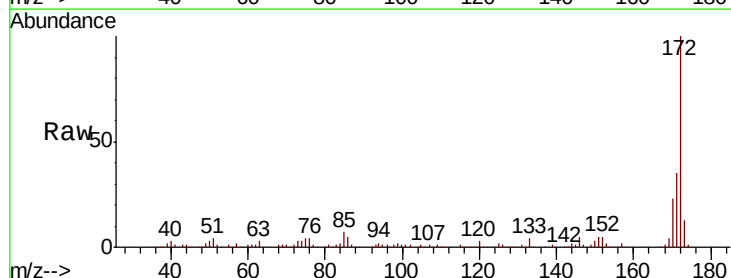
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 12.525 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.2	43.8
170	23.1	20.1	30.1

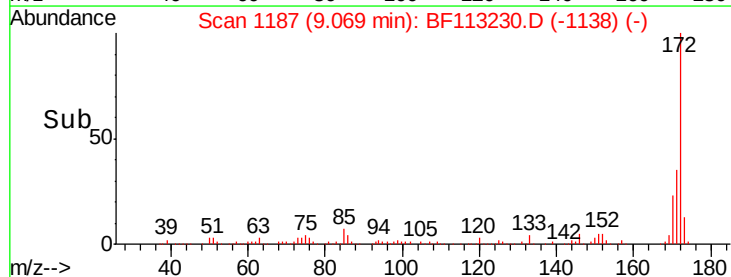
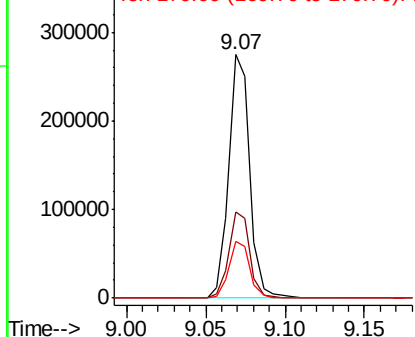


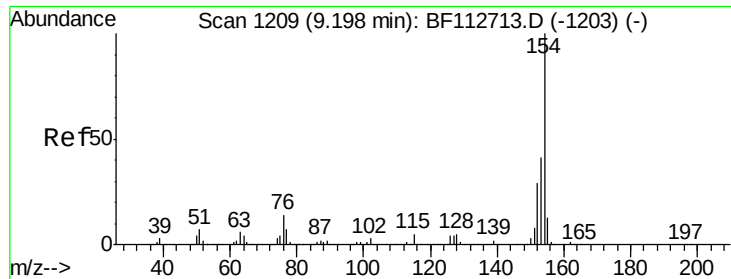
Abundance

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

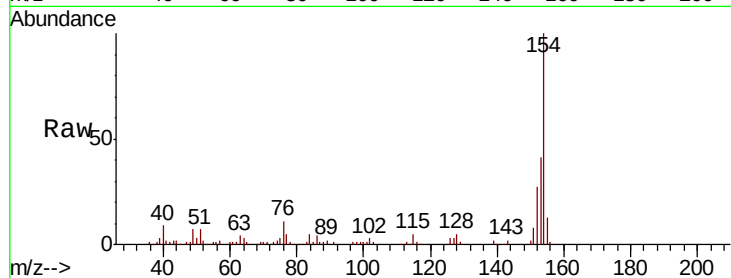




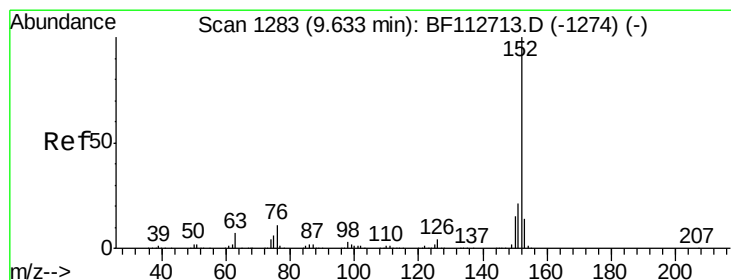
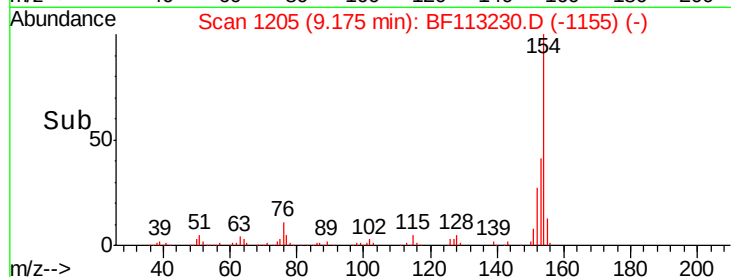
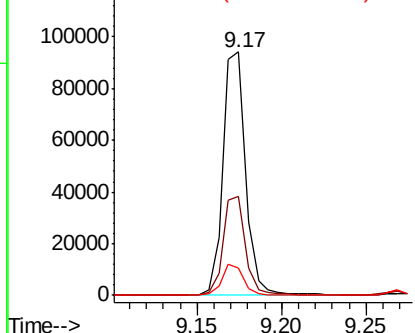
#46
 1,1'-Biphenyl
 Concen: 4.332 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 88228
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.8 60.8
 76 11.0 0.0 33.0

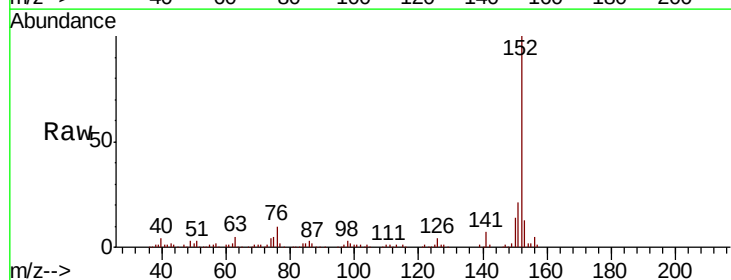


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

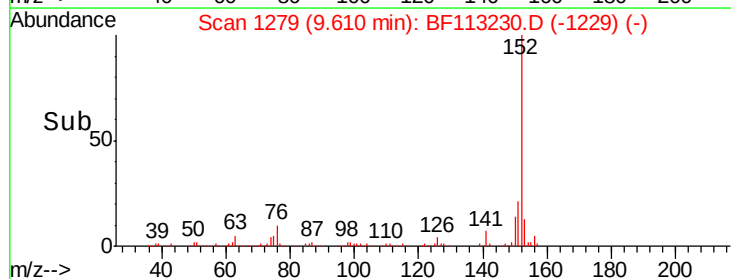
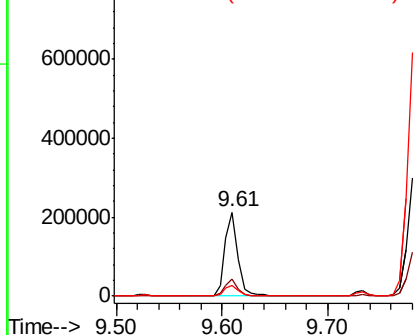


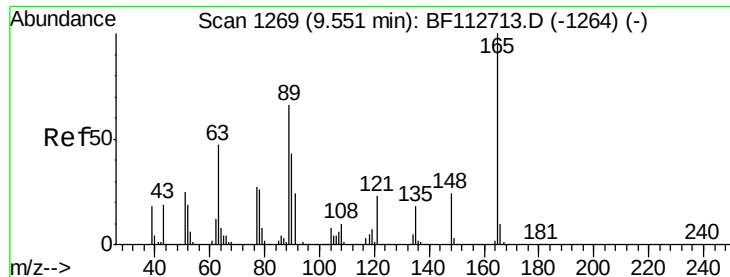
#49
 Acenaphthylene
 Concen: 6.967 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion:152 Resp: 188086
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.8 25.2
 153 13.1 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

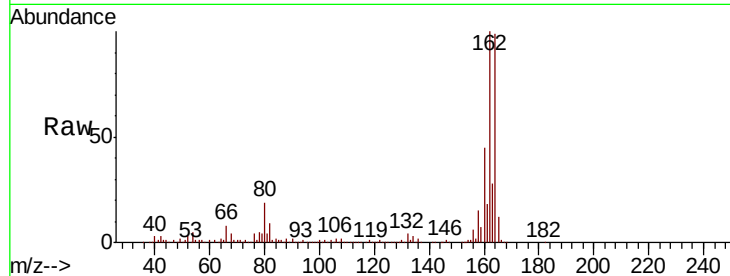




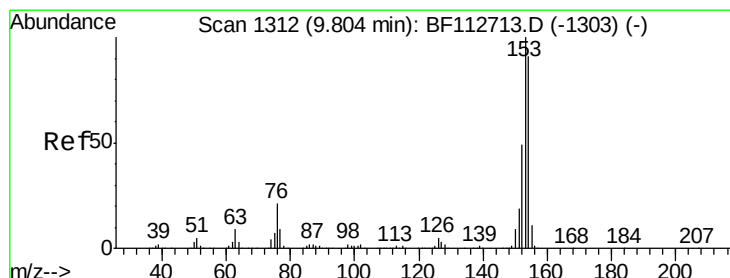
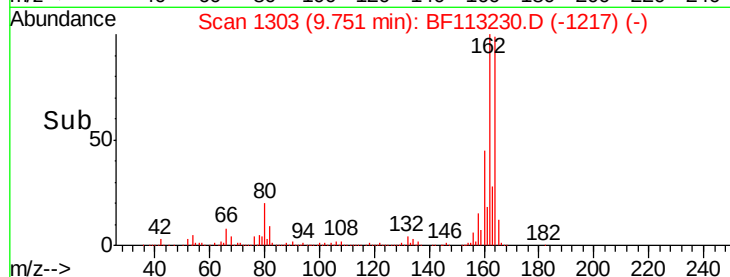
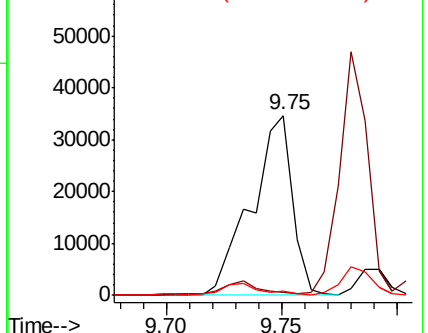
#51
2,6-Dinitrotoluene
Concen: 11.226 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 43041
Ion Ratio Lower Upper
165 100
63 1.5 43.3 64.9#
89 2.3 43.0 64.4#

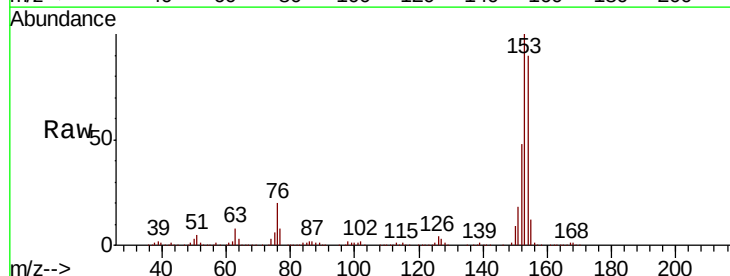


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

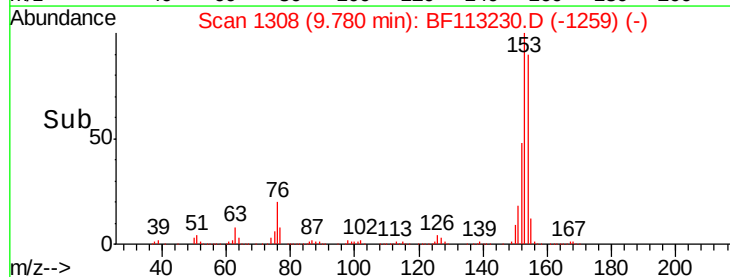
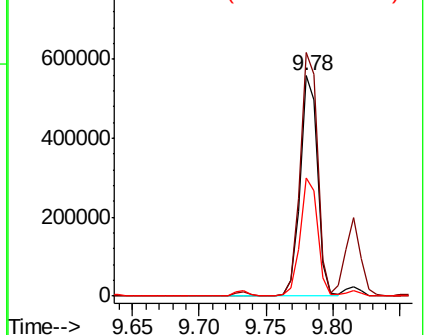


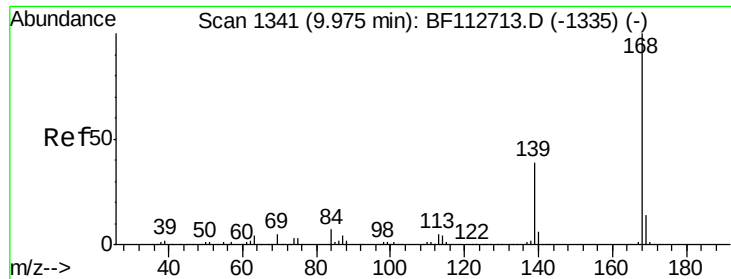
#52
Acenaphthene
Concen: 31.629 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:154 Resp: 499359
Ion Ratio Lower Upper
154 100
153 110.7 88.0 132.0
152 53.4 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

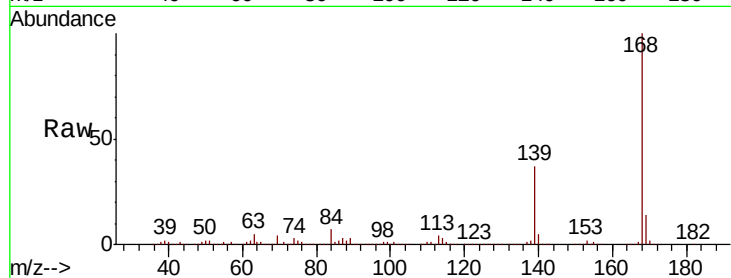




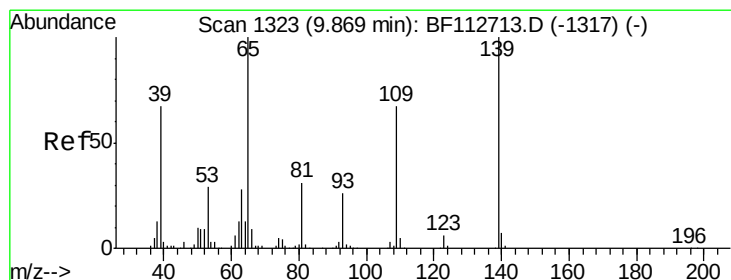
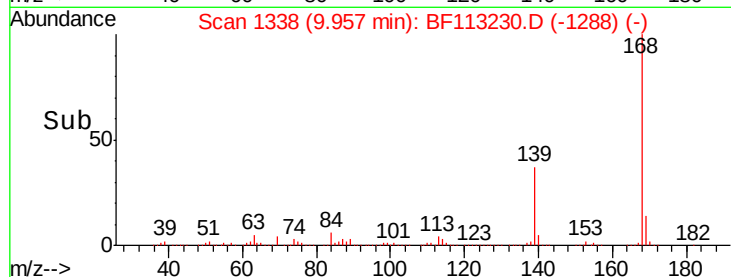
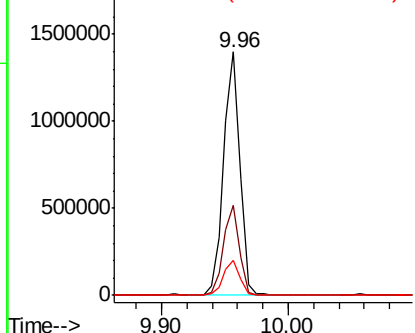
#55
Dibenzofuran
Concen: 54.424 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1248839
Ion Ratio Lower Upper
168 100
139 36.9 29.0 43.4
169 14.2 11.1 16.7

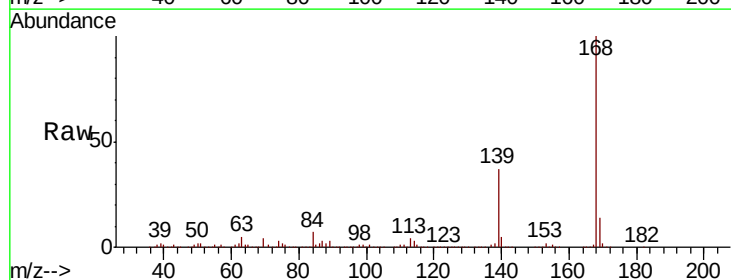


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

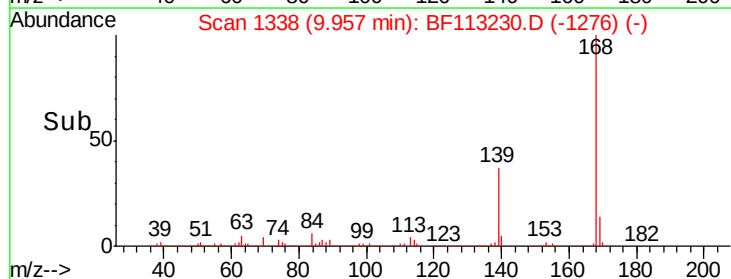
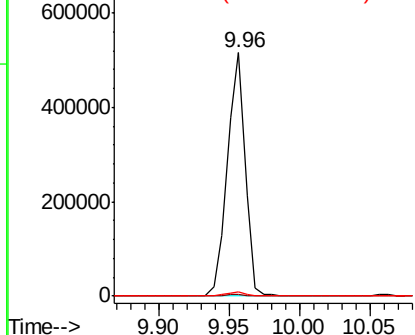


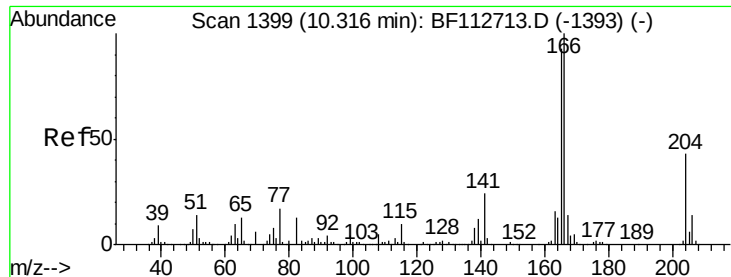
#56
4-Nitrophenol
Concen: 119.310 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:139 Resp: 453003
Ion Ratio Lower Upper
139 100
109 0.8 38.1 78.1#
65 1.5 61.5 101.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

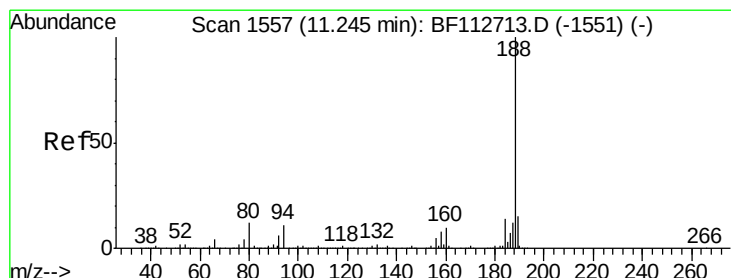
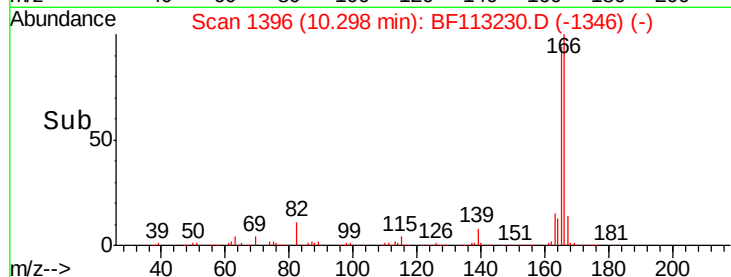
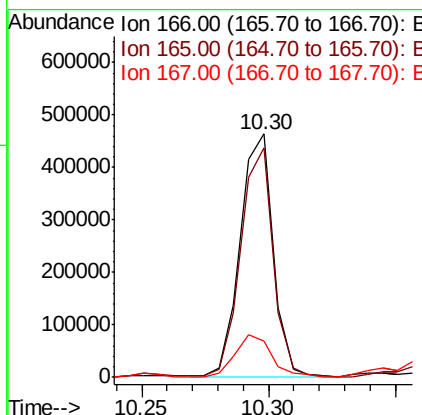
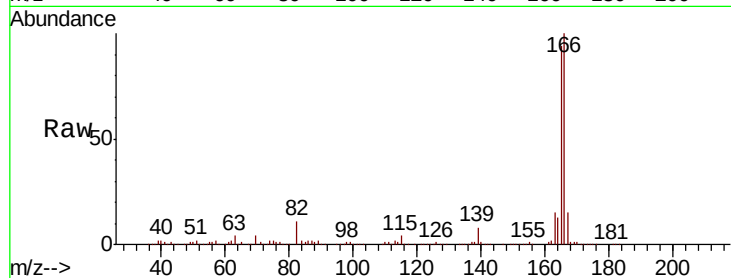




#58
 Fluorene
 Concen: 25.489 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

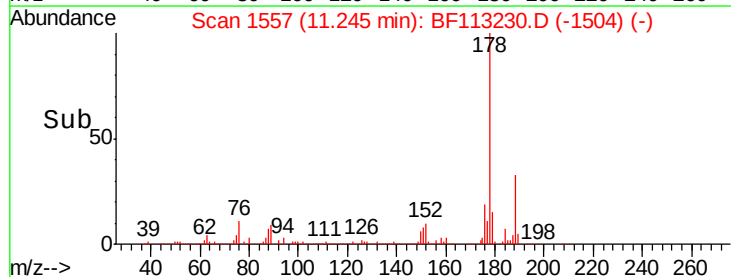
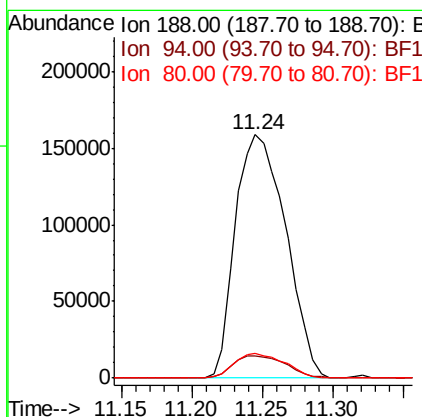
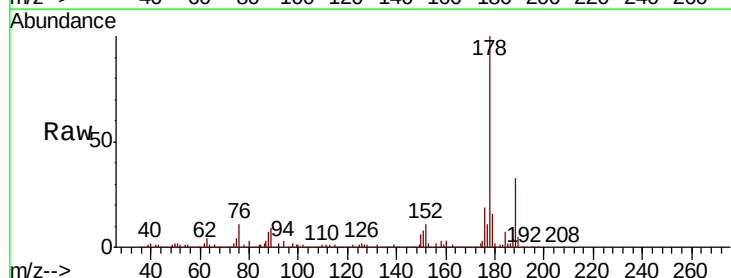
Instrument :
 BNA_F
 ClientSampleId :

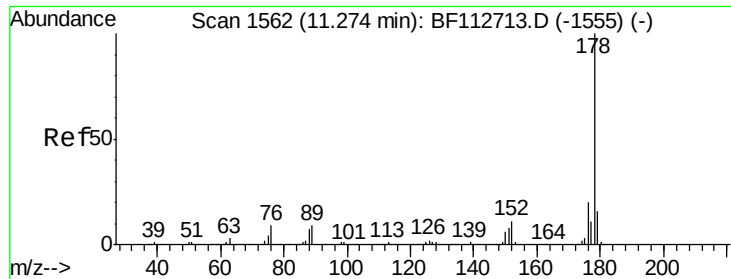
Tot Ion:166 Resp: 415122
 Ion Ratio Lower Upper
 166 100
 165 94.1 74.6 112.0
 167 14.7 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion:188 Resp: 396909
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.6 11.4
 80 10.2 7.8 11.8

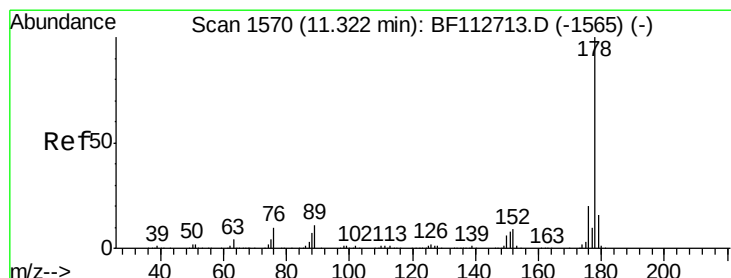
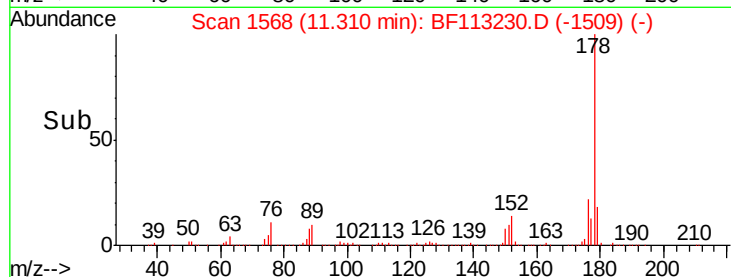
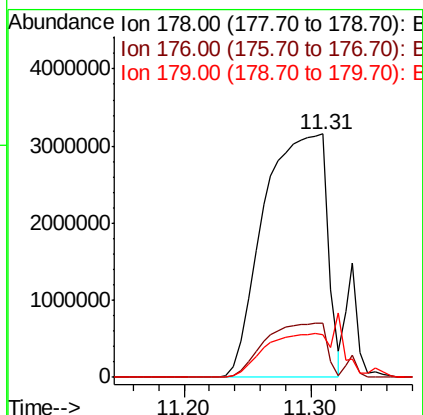
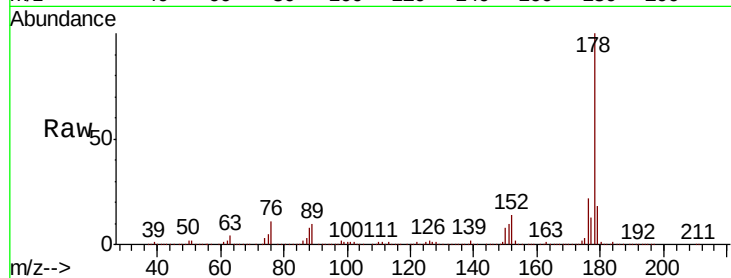




#71
Phenanthrene
Concen: 551.409 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.05 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

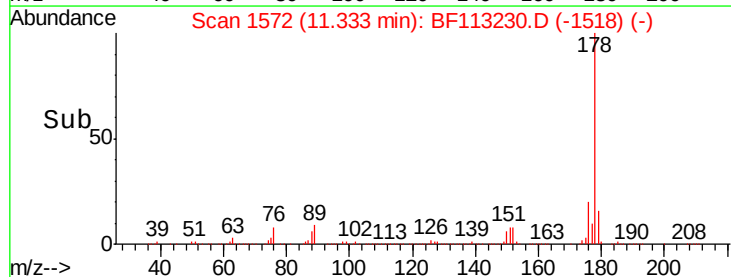
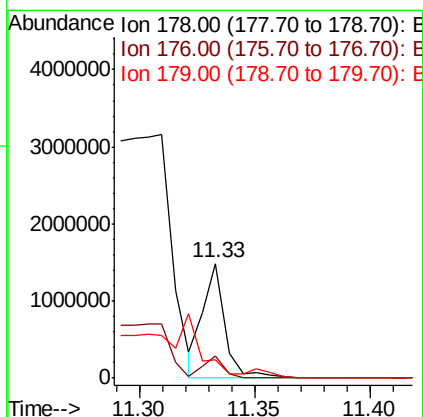
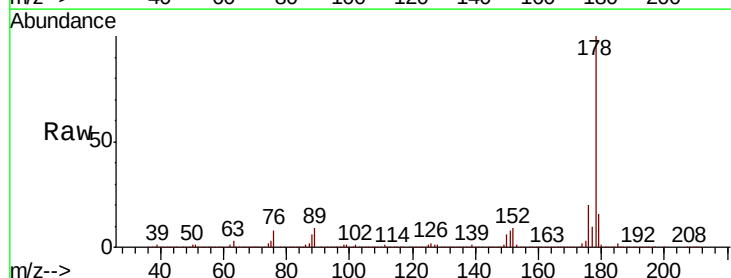
Instrument :
BNA_F
ClientSampleId :

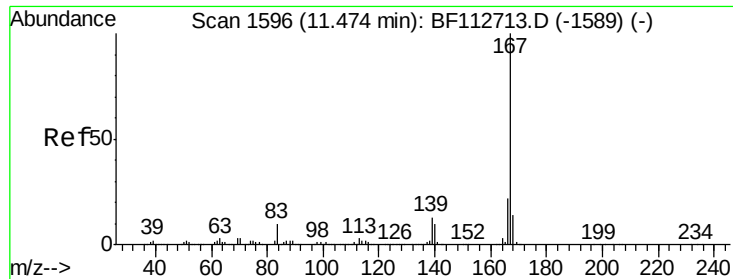
Tot Ion:178 Resp:10889108
Ion Ratio Lower Upper
178 100
176 22.3 16.3 24.5
179 17.7 12.7 19.1



#72
Anthracene
Concen: 48.081 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:178 Resp: 993907
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 16.4 13.0 19.4

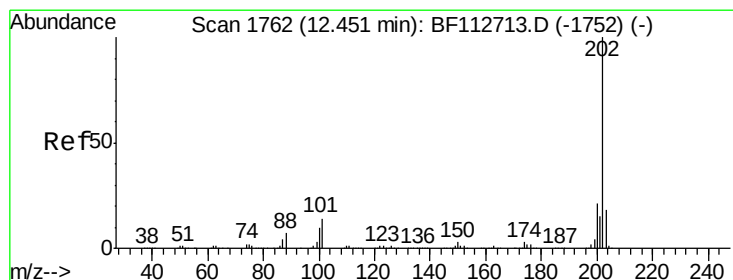
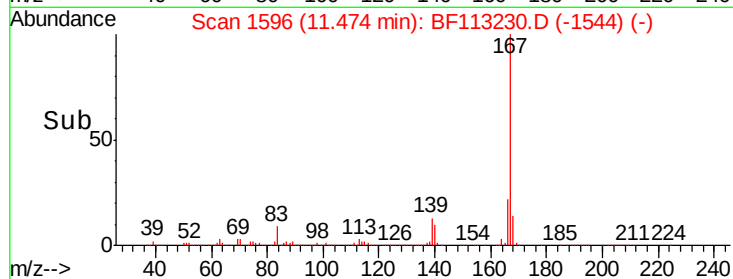
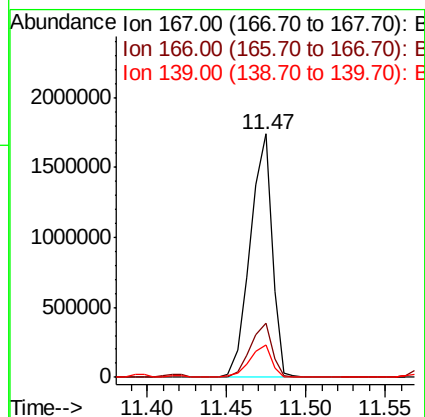
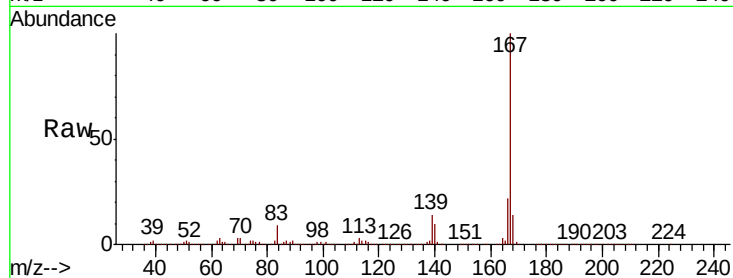




#73
 Carbazole
 Concen: 82.618 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

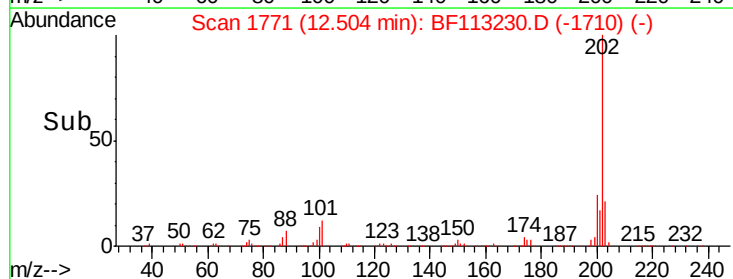
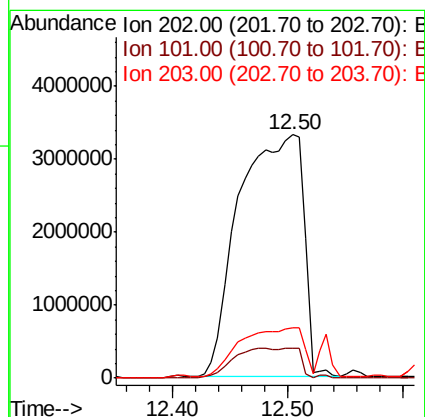
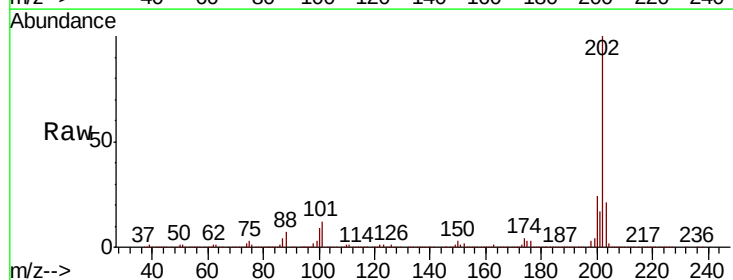
Instrument :
 BNA_F
 ClientSampleId :

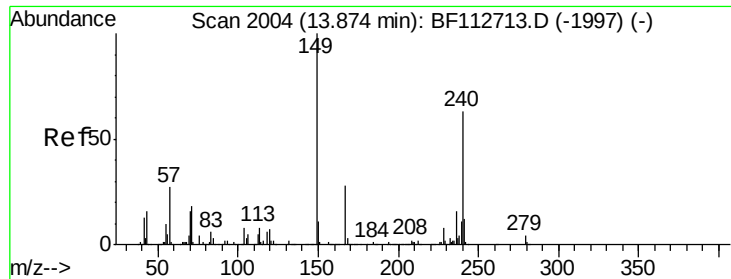
Tot Ion:167 Resp: 1666031
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 13.5 10.6 16.0



#75
 Fluoranthene
 Concen: 606.706 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.06 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion:202 Resp:12836351
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 32.0
 203 20.7 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampled :

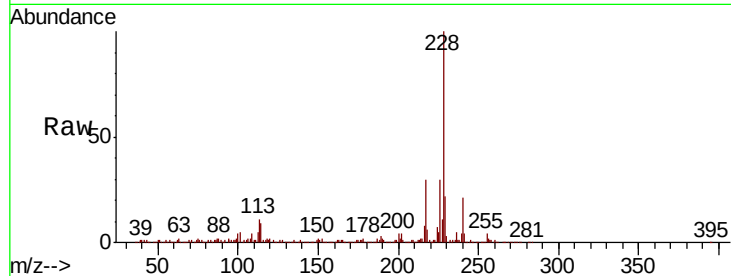
Tot Ion:240 Resp: 294332

Ion Ratio Lower Upper

240 100

120 10.6 9.6 14.4

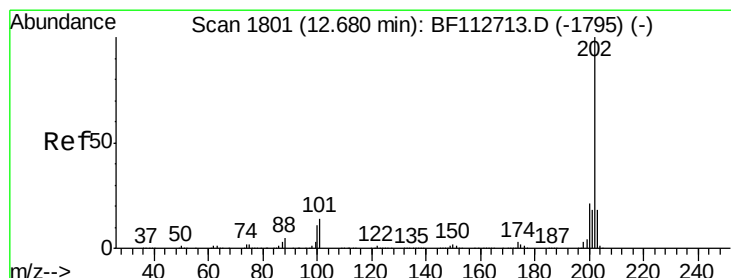
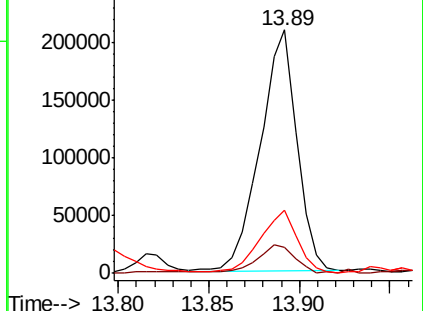
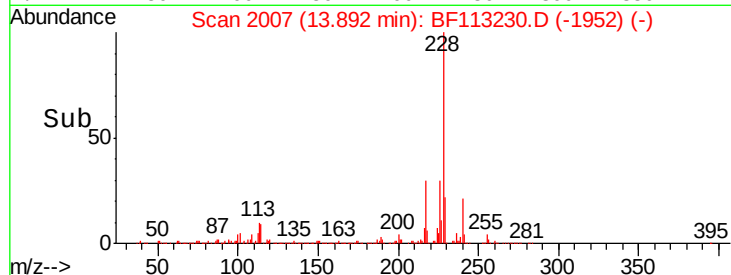
236 26.2 21.1 31.7



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

Pyrene

Concen: 406.589 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.06 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

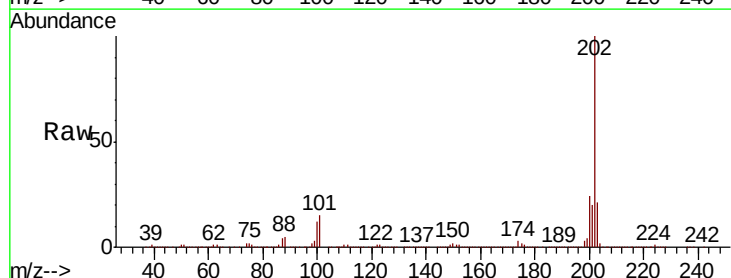
Tgt Ion:202 Resp:10088647

Ion Ratio Lower Upper

202 100

200 24.1 17.0 25.4

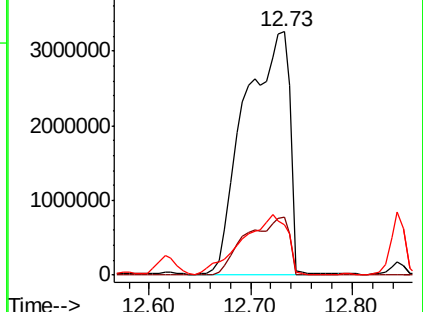
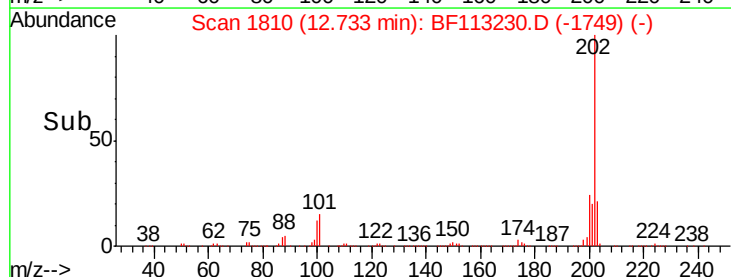
203 20.8 14.7 22.1

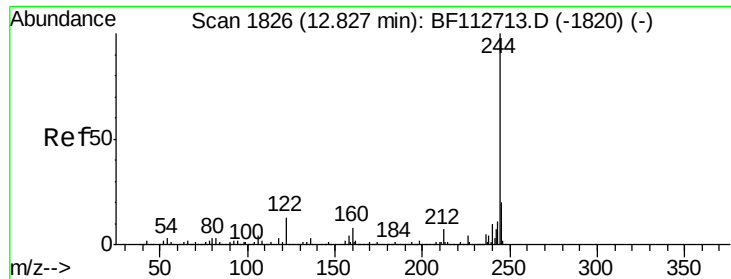


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 17.839 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

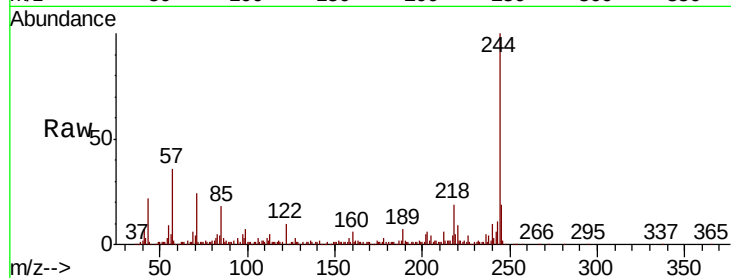
Tot Ion:244 Resp: 270855

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

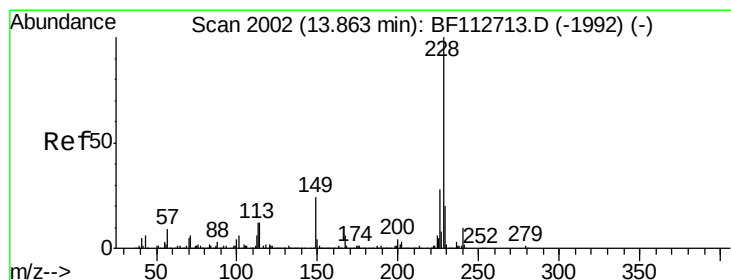
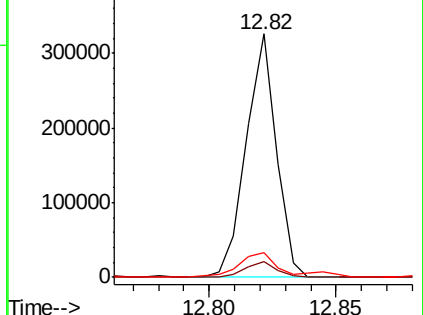
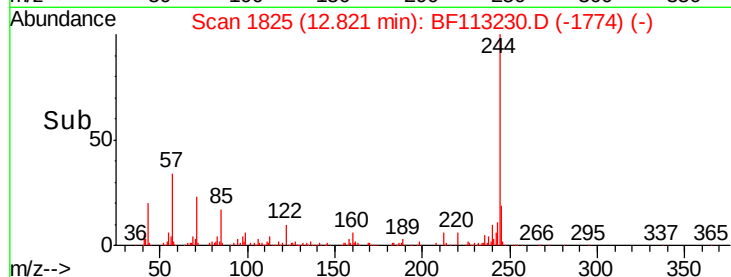
122 10.0 8.4 12.6



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: 201.341 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

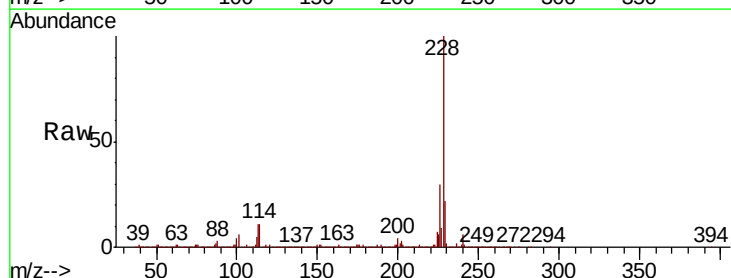
Tgt Ion:228 Resp: 4107201

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

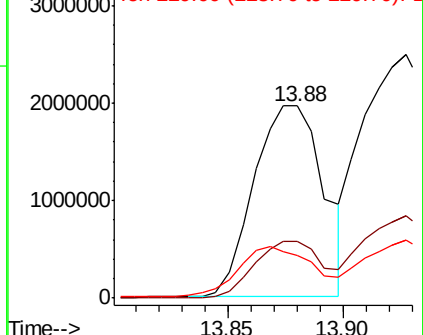
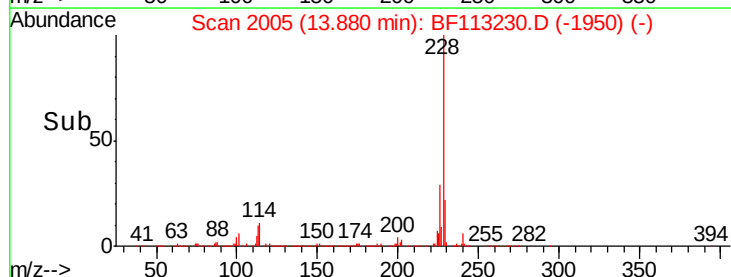
229 22.1 16.4 24.6

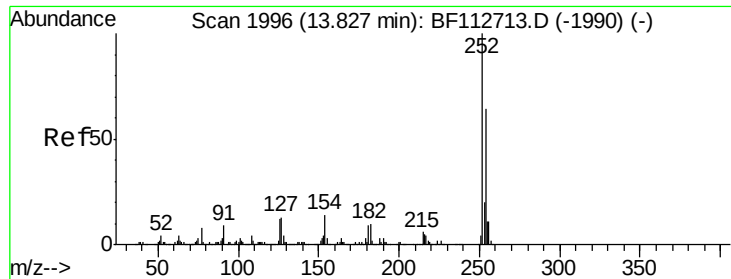


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 3.237 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.10 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

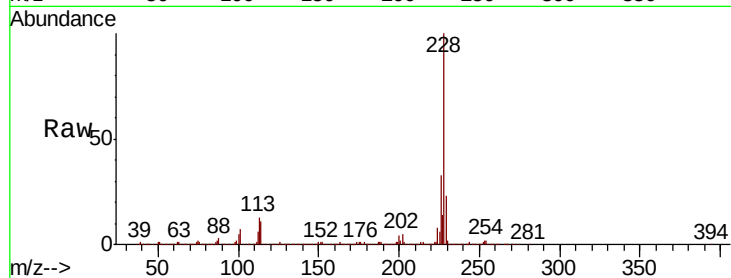
Tot Ion:252 Resp: 24973

Ion Ratio Lower Upper

252 100

254 150.9 52.2 78.4#

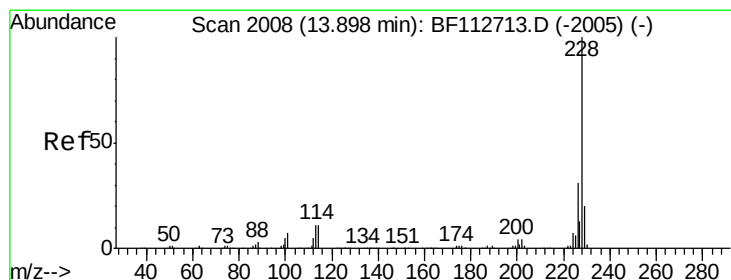
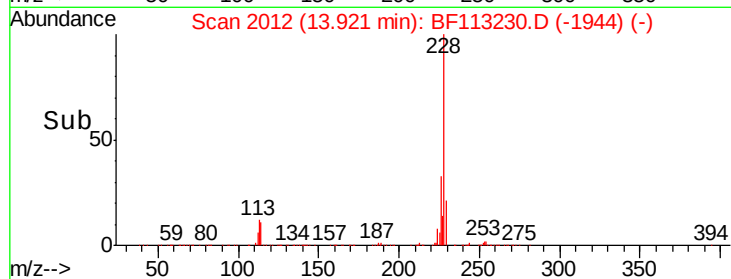
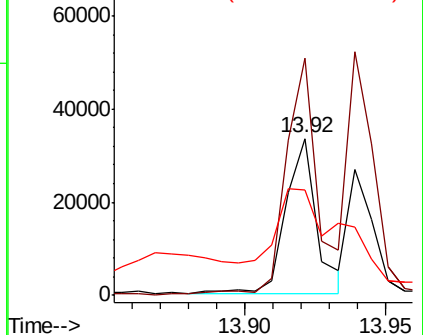
126 66.7 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 223.876 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.03 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

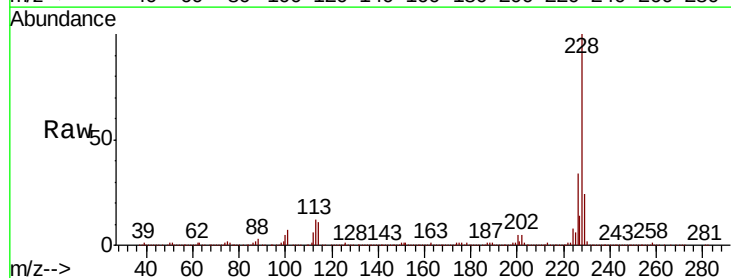
Tgt Ion:228 Resp: 4473417

Ion Ratio Lower Upper

228 100

226 33.7 25.3 37.9

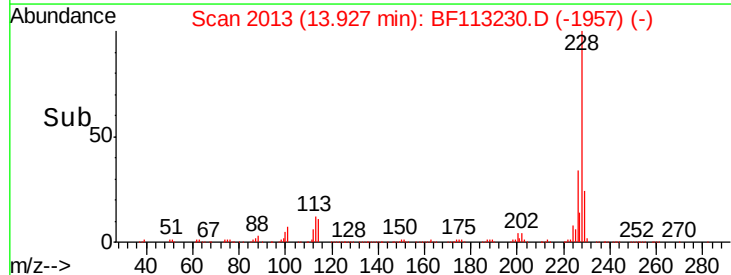
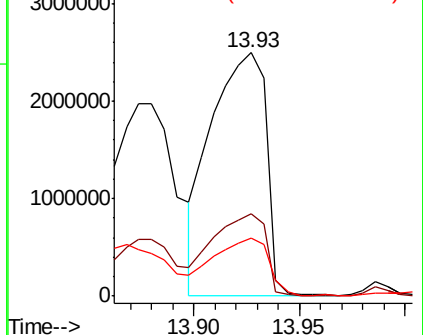
229 23.7 16.6 25.0

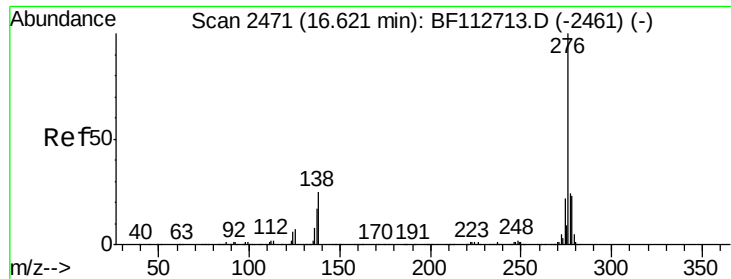


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



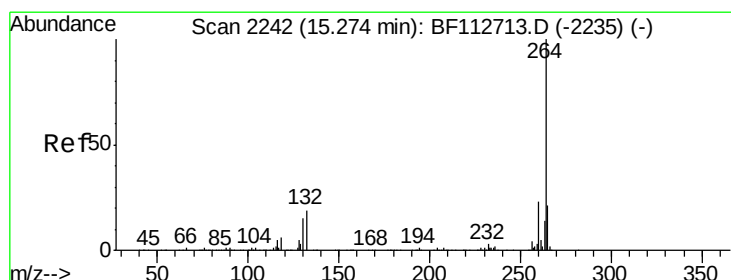
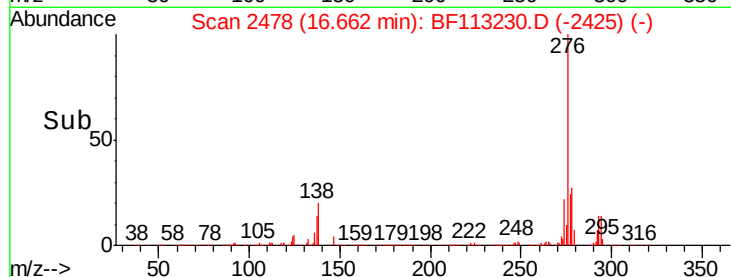
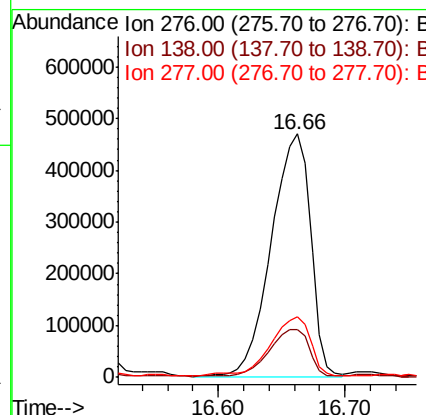
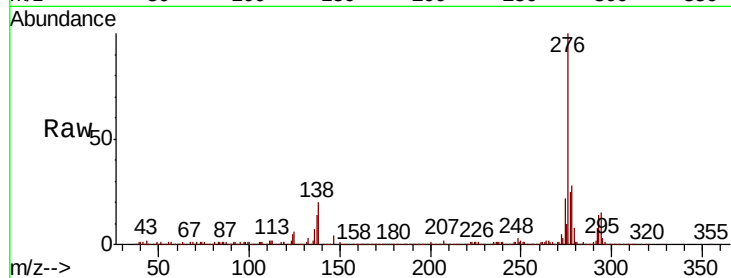


#86
 Indeno(1,2,3-cd)pyrene
 Concen: 59.195 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. 0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 1008379

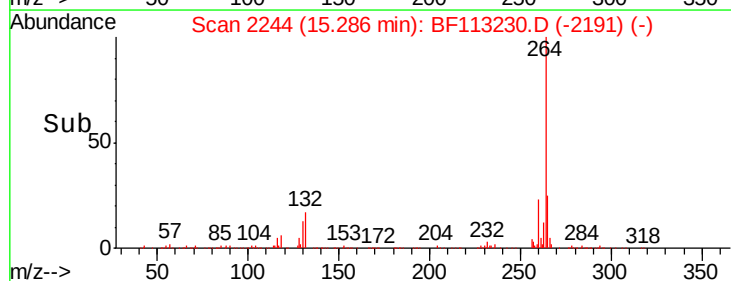
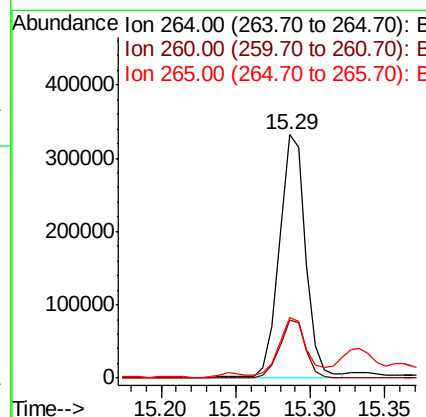
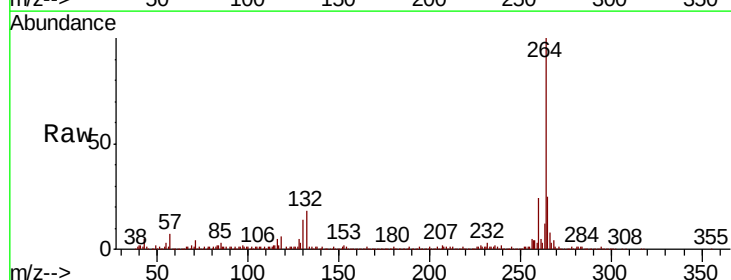
Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.0	28.6
277	24.8	20.1	30.1

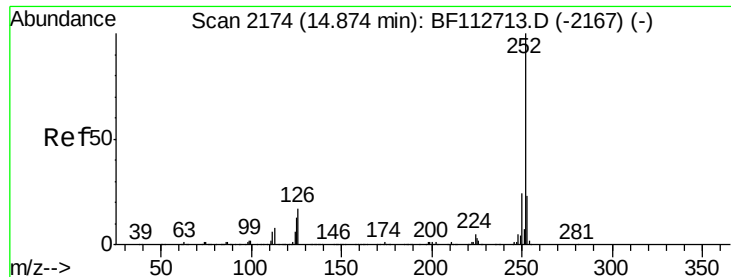


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion:264 Resp: 409774

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	25.1	17.1	25.7

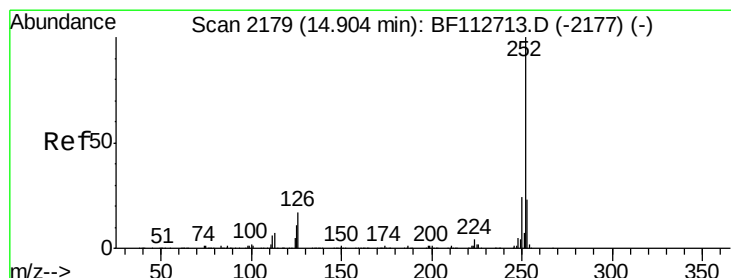
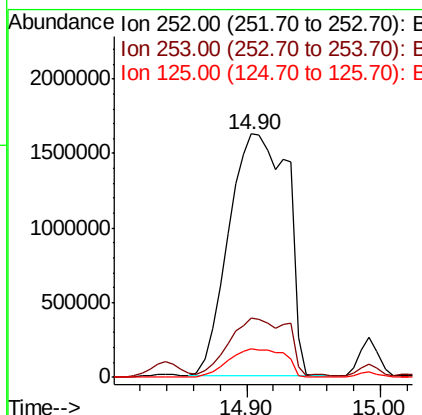
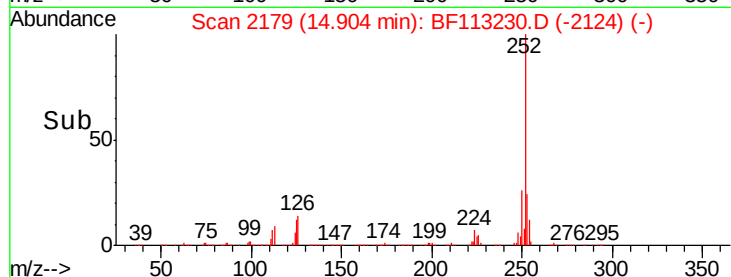
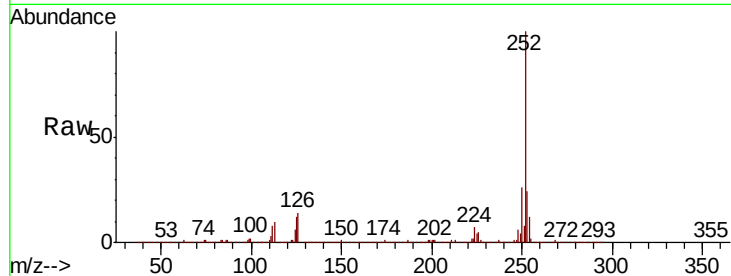




#88
Benzo(b)fluoranthene
Concen: 187.659 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

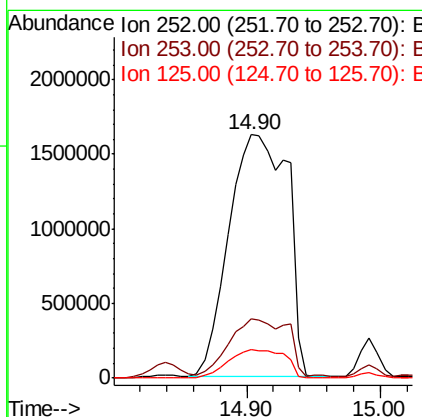
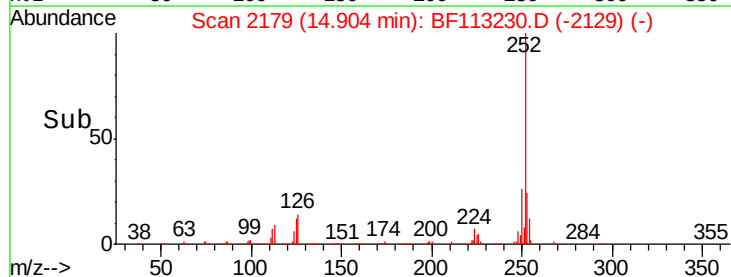
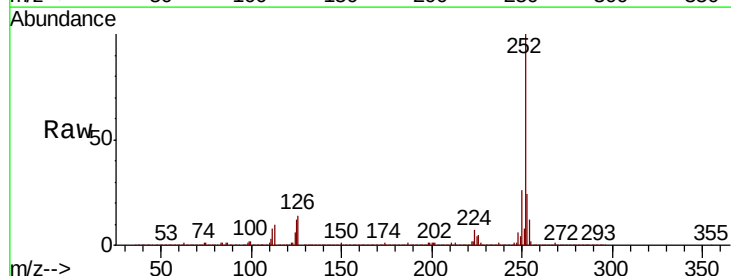
Instrument :
BNA_F
ClientSampleId :

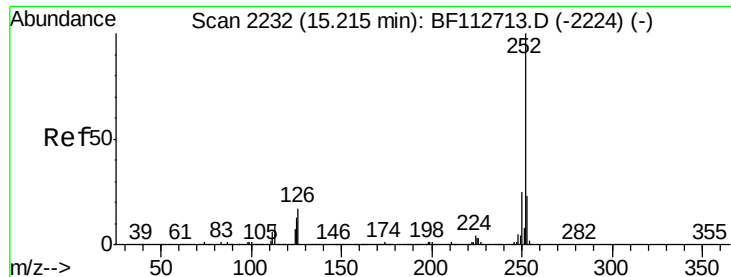
Tot Ion:252 Resp: 4973967
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 11.8 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 207.175 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:252 Resp: 4973967
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 11.8 7.9 11.9





#90

Benzo(a)pyrene

Concen: 53.840 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

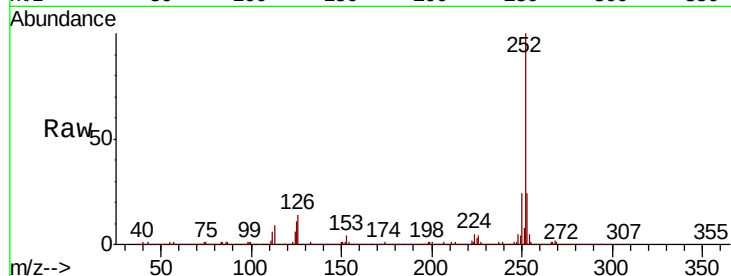
Tot Ion:252 Resp: 1262242

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 10.8 9.2 13.8

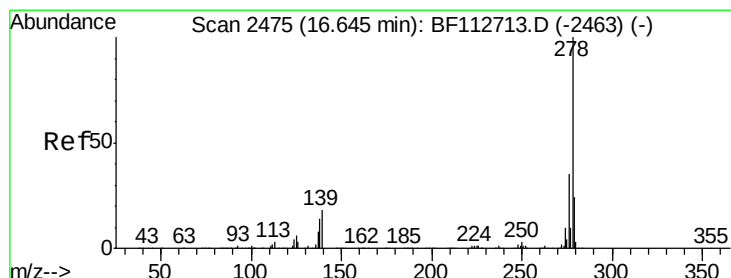
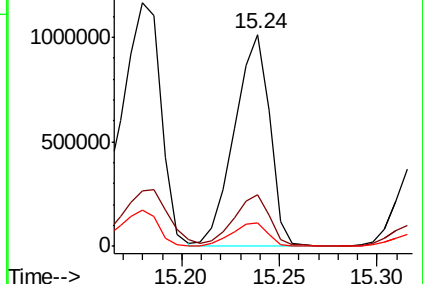
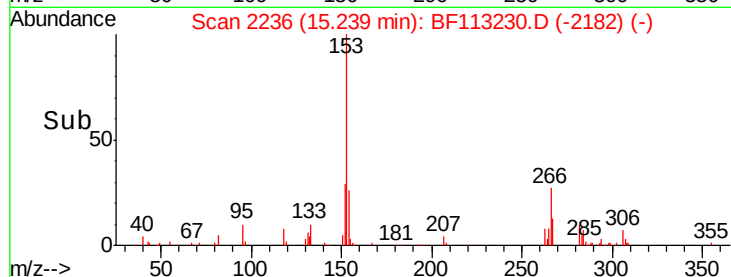


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 6.242 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.15 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

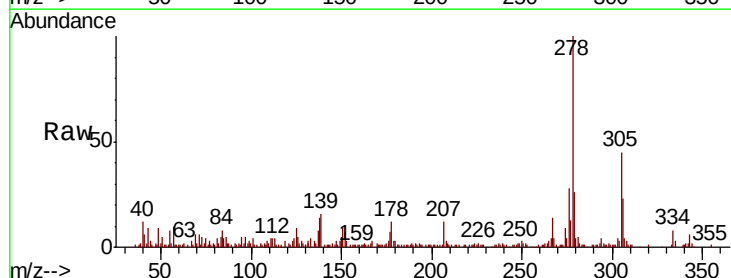
Tgt Ion:278 Resp: 124871

Ion Ratio Lower Upper

278 100

139 15.8 11.8 17.6

279 26.3 19.1 28.7

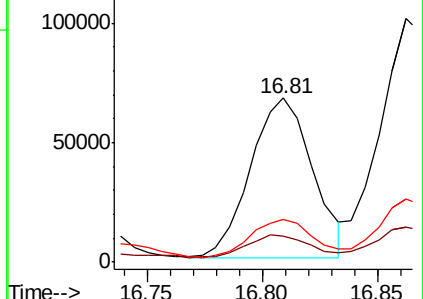
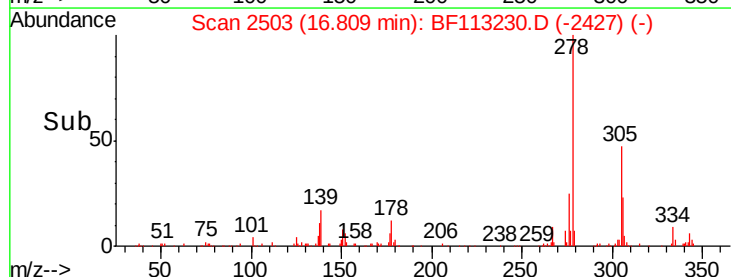


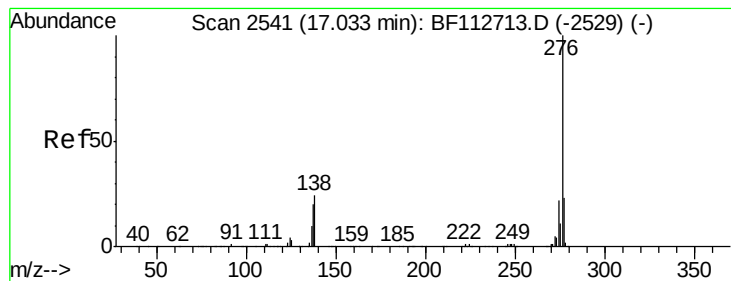
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 40.676 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

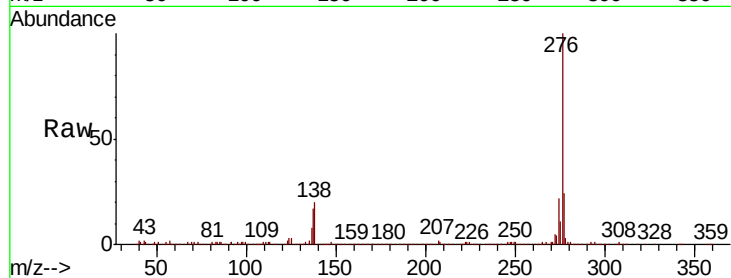
Tot Ion:276 Resp: 817108

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 19.7 16.0 24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

