

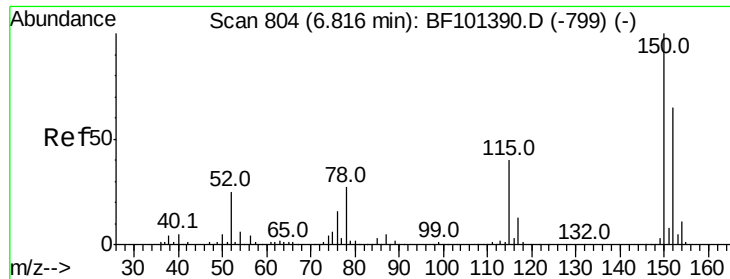
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101870.D
 Acq On : 3 Jan 2018 19:52
 Operator : SJ/JU
 Sample : J1003-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:11:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	133260	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	491269	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	184021	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	305658	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	257906	20.00	ng	-0.02
86) Perylene-d12	15.42	264	206181	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	838654	93.74	ng	0.00
7) Phenol-d6	6.42	99	982775	88.27	ng	-0.01
23) Nitrobenzene-d5	7.35	82	584999	66.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	152337	85.91	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	846323	71.34	ng	-0.02
78) Terphenyl-d14	12.88	244	652647	61.01	ng	-0.02
Target Compounds						
10) Phenol	6.43	94	43731	3.446	ng	# 48
19) n-Nitroso-di-n-propylamine	7.34	70	76822	10.507	ng	# 81
25) Isophorone	7.35	82	584999	33.043	ng	# 64
49) Dimethylphthalate	9.53	163	74027	5.001	ng	99
50) 2,6-Dinitrotoluene	9.80	165	23691	7.875	ng	# 25
56) 2,4-Dinitrotoluene	9.80	165	23691	6.990	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	9352	2.723	ng	# 1
70) Phenanthrene	11.33	178	118672	6.981	ng	97
71) Anthracene	11.39	178	36471	2.100	ng	98
74) Fluoranthene	12.52	202	479030	26.849	ng	98
77) Pyrene	12.75	202	460751	23.804	ng	99
80) Benzo(a)anthracene	13.94	228	423749	24.883	ng	98
82) Chrysene	13.98	228	396485	24.658	ng	100
85) Indeno(1,2,3-cd)pyrene	16.90	276	183114	12.789	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	634628	50.499	ng	97
88) Benzo(k)fluoranthene	15.00	252	634628	51.939	ng	99
89) Benzo(a)pyrene	15.36	252	319400	27.570	ng	98
90) Dibenzo(a,h)anthracene	17.06	278	40321	4.054	ng	94
91) Benzo(a,h,i)perylene	17.36	276	169096	17.168	ng	95

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

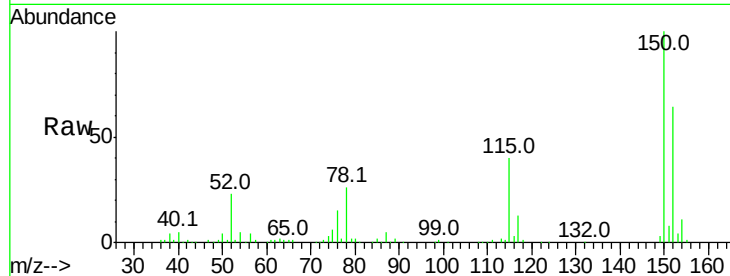


#1

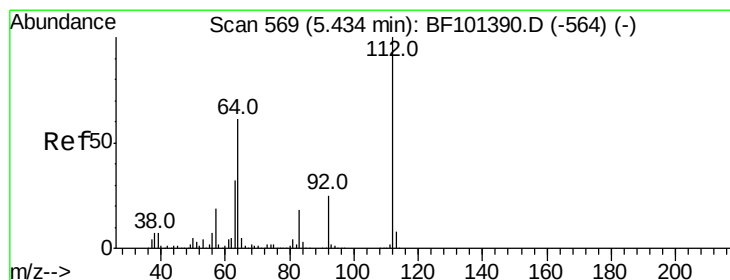
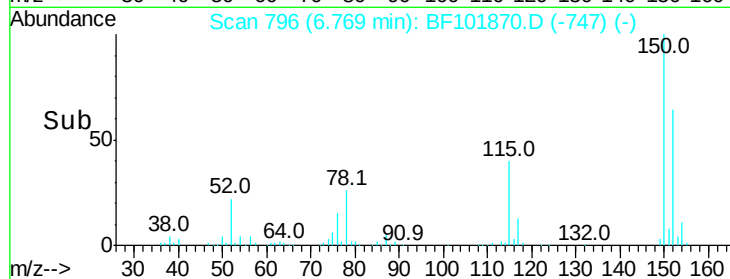
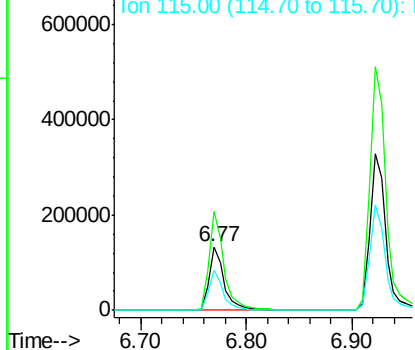
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133260
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 62.9 50.1 75.1



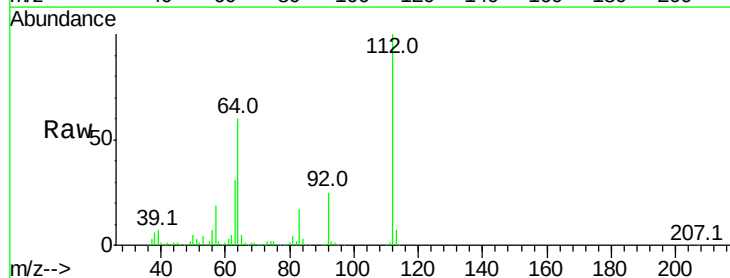
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



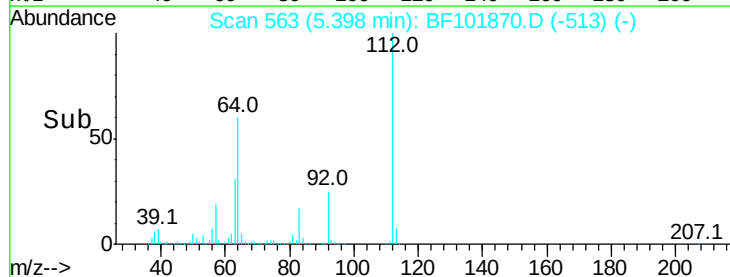
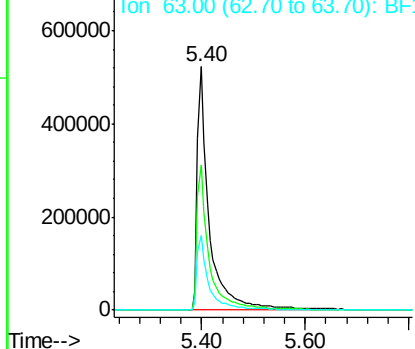
#5

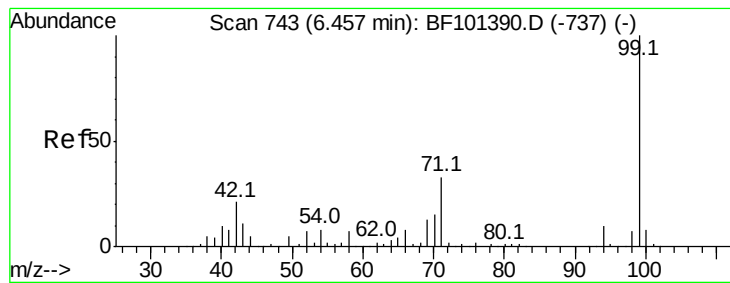
2-Fluorophenol
Concen: 93.745 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Tgt Ion:112 Resp: 838654
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 30.6 23.7 35.5



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: 88.269 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

Instrument :

BNA_F

ClientSampled :

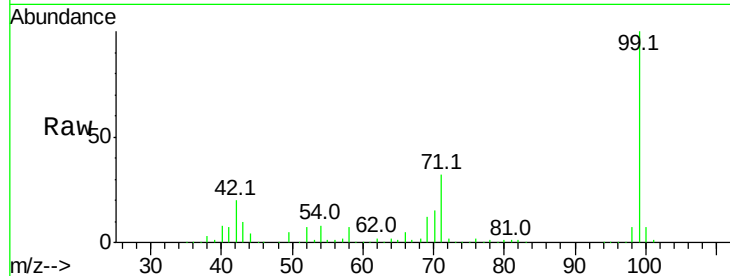
Tot Ion: 99 Resp: 982775

Ion Ratio Lower Upper

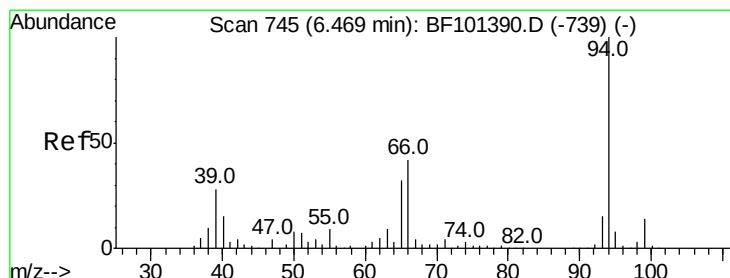
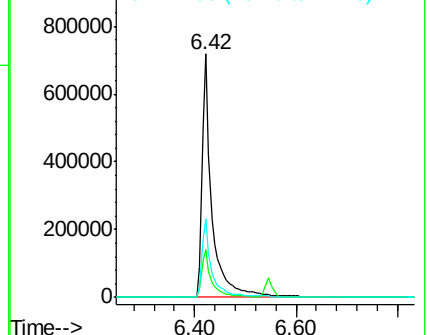
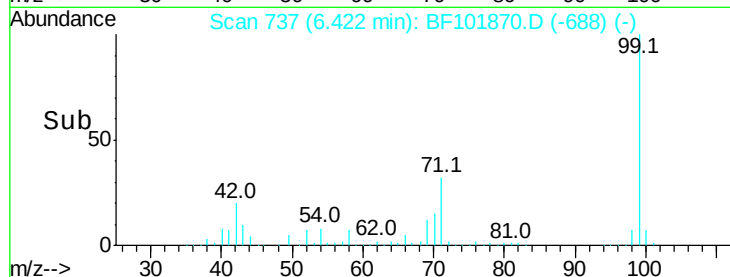
99 100

42 19.8 14.5 21.7

71 32.1 25.4 38.0



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



#10

Phenol

Concen: 3.446 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

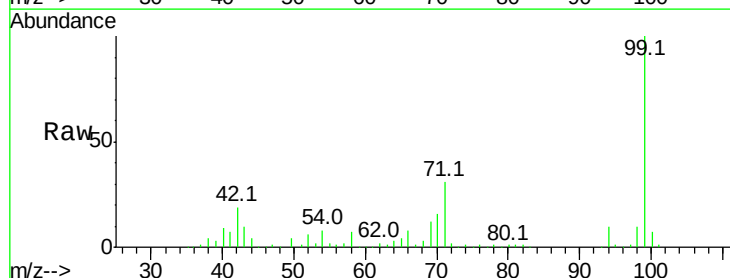
Tgt Ion: 94 Resp: 43731

Ion Ratio Lower Upper

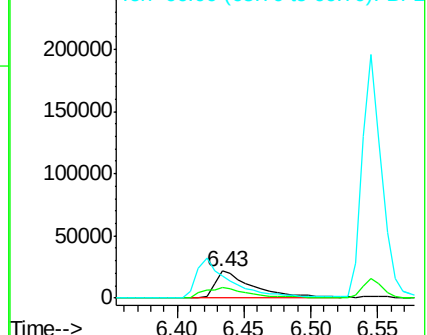
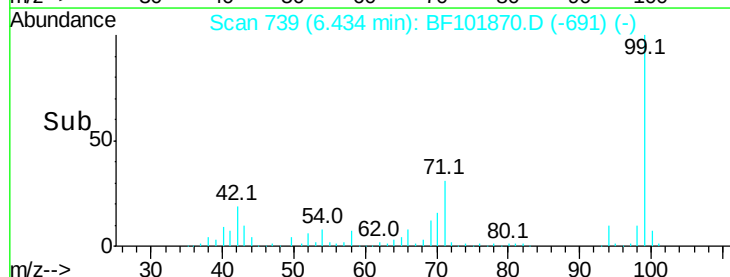
94 100

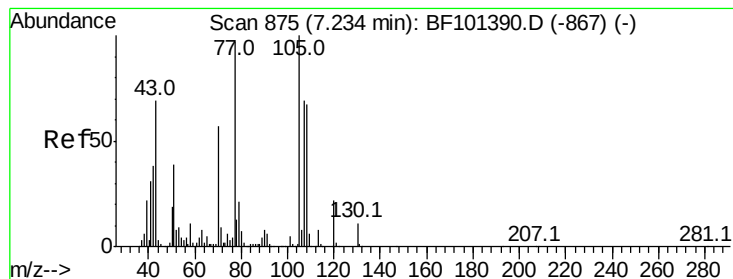
65 38.2 7.9 47.9

66 81.6 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.507 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 76822

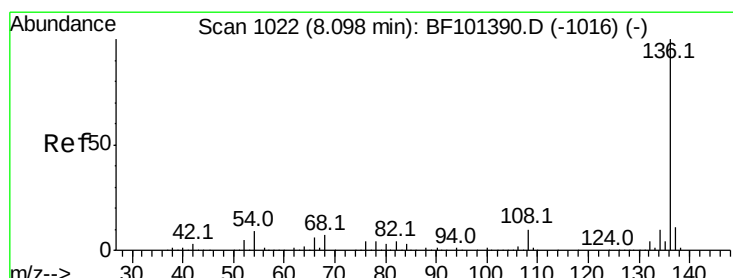
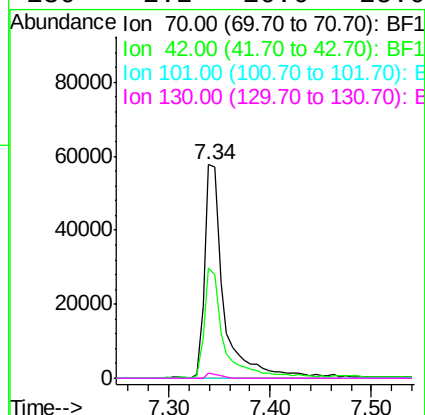
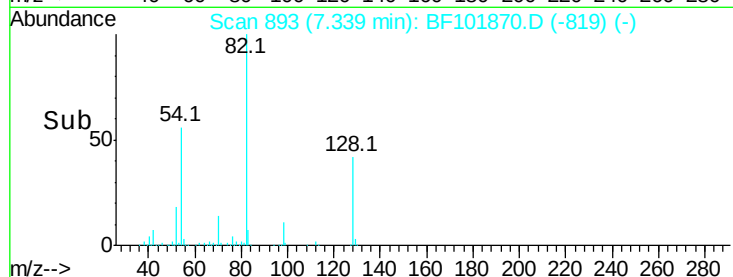
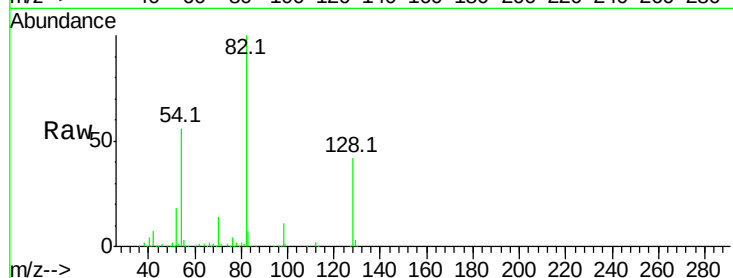
Ion Ratio Lower Upper

70 100

42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

Tgt Ion: 136 Resp: 491269

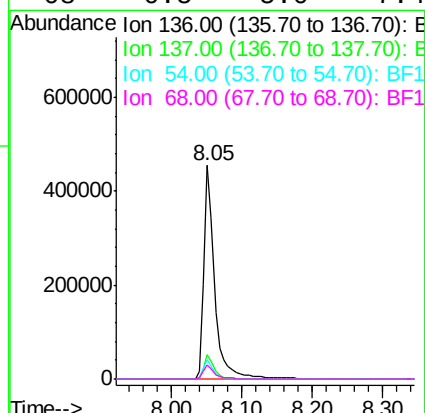
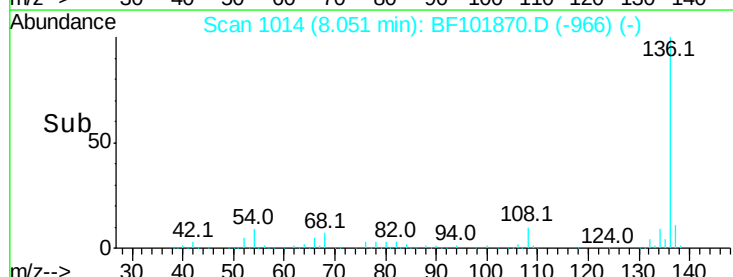
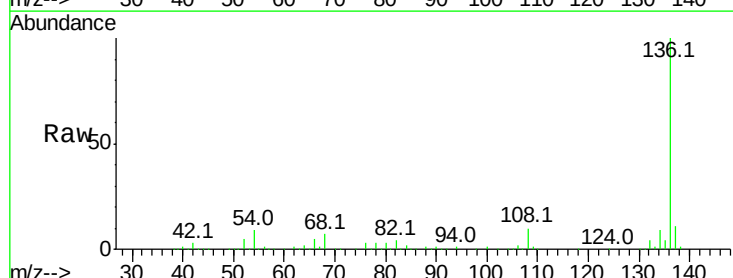
Ion Ratio Lower Upper

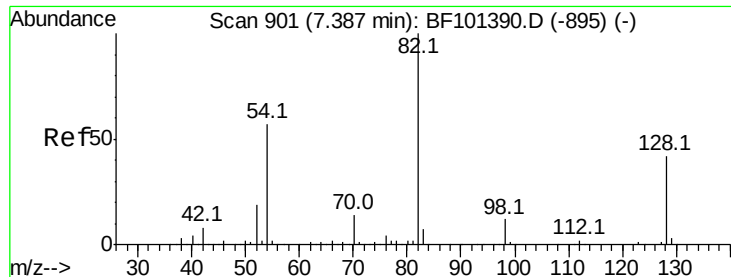
136 100

137 11.1 8.9 13.3

54 9.1 6.6 9.8

68 6.5 5.0 7.4

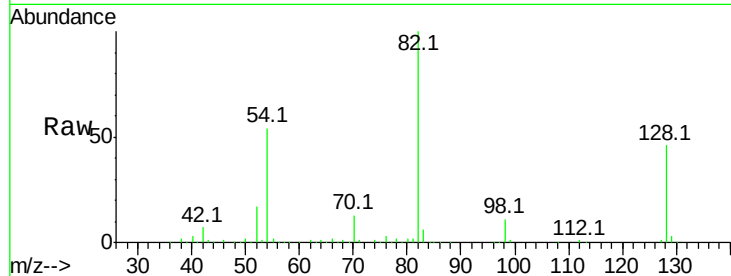




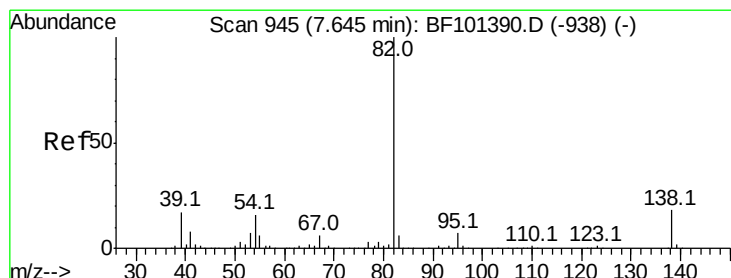
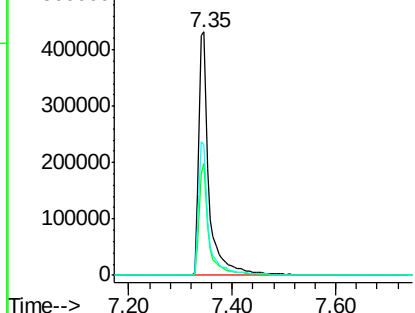
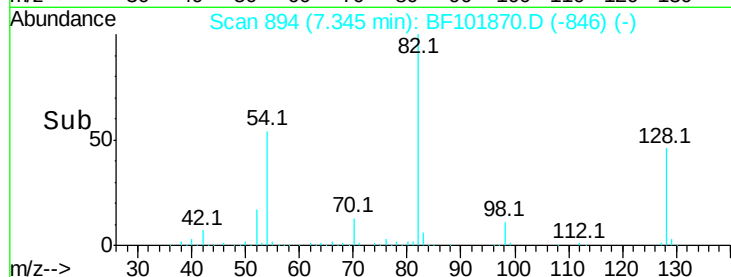
#23
 Nitrobenzene-d5
 Concen: 66.286 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	584999
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	53.5	41.4	62.2

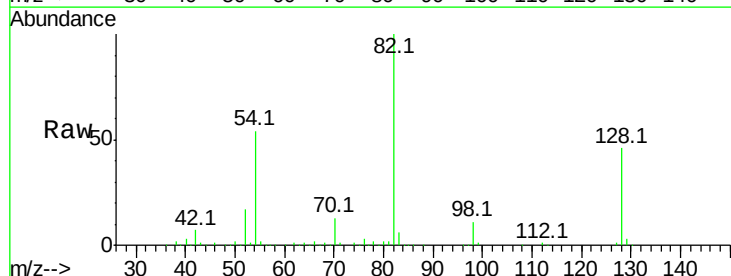


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

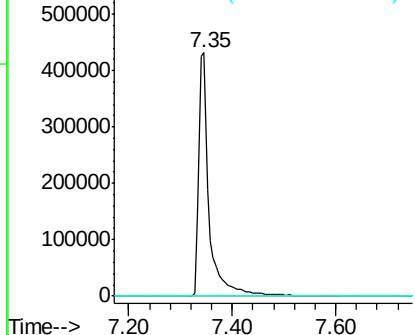
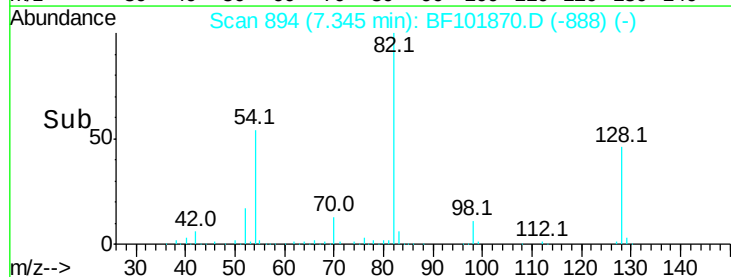


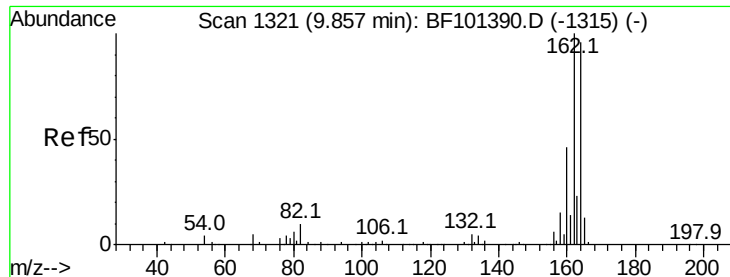
#25
 Isophorone
 Concen: 33.043 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion	82	Resp	584999
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

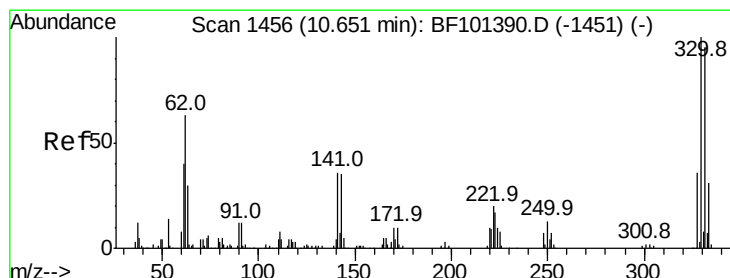
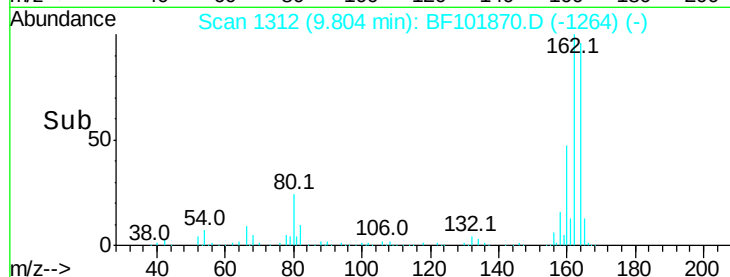
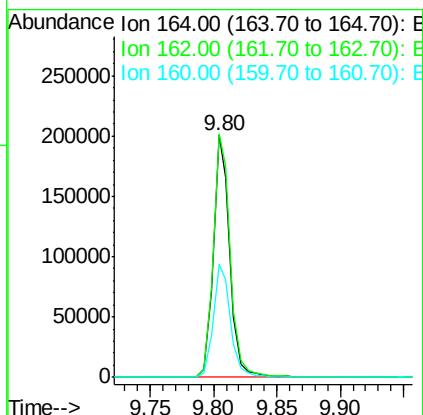
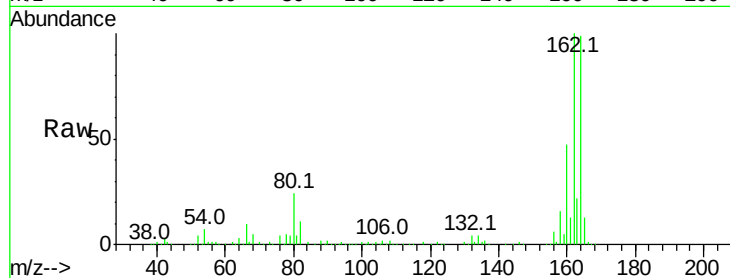




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

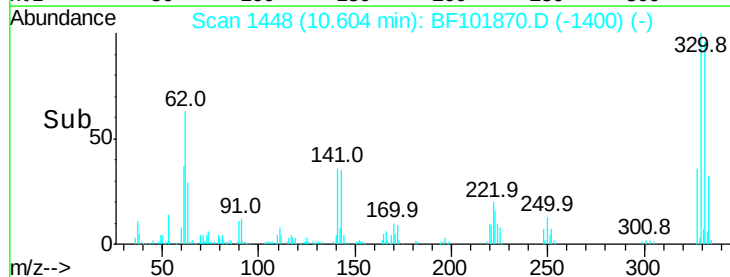
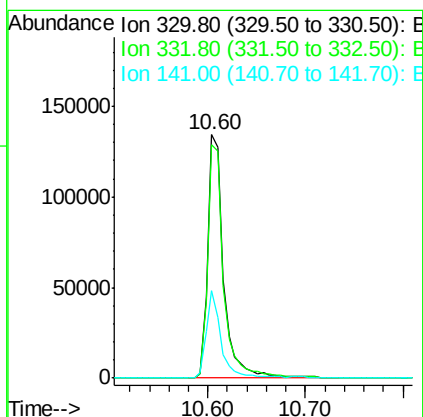
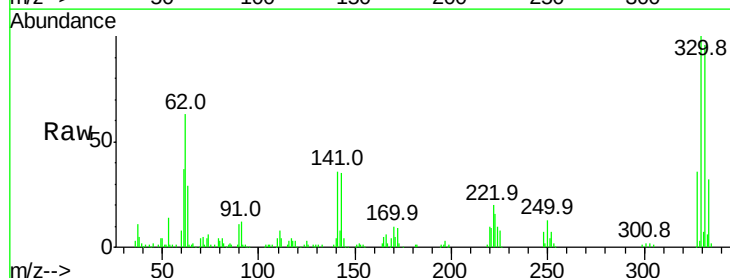
Instrument :
 BNA_F
 ClientSampled :

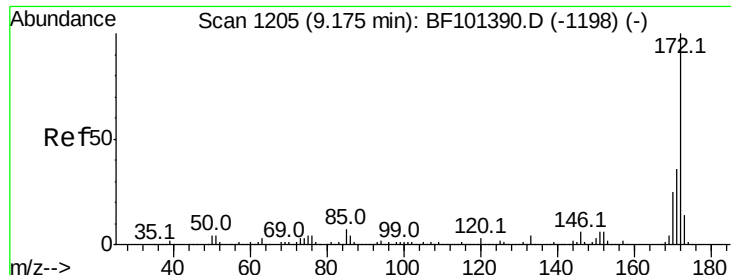
Tot Ion:164 Resp: 184021
 Ion Ratio Lower Upper
 164 100
 162 100.6 86.1 129.1
 160 46.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 85.911 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion:330 Resp: 152337
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 33.3 29.9 44.9

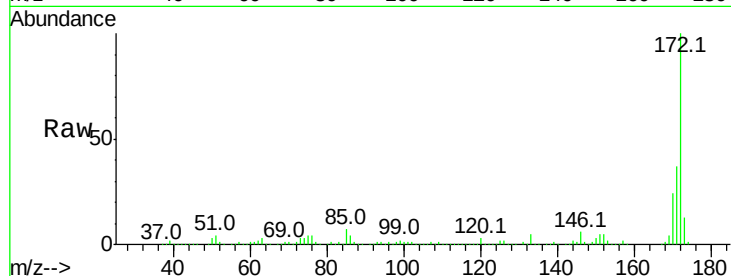




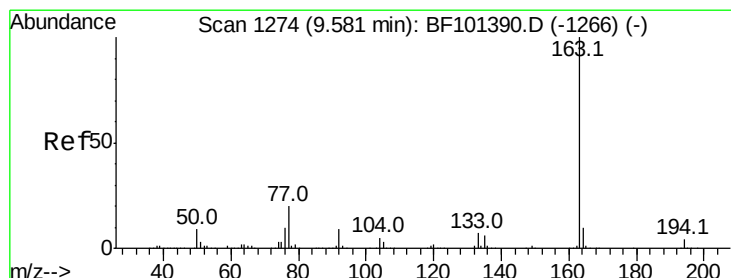
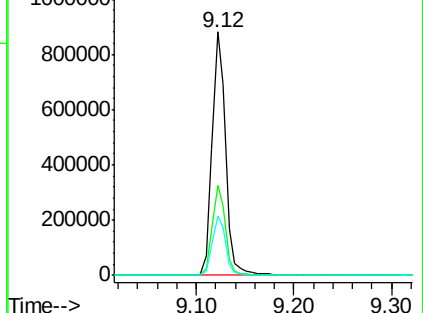
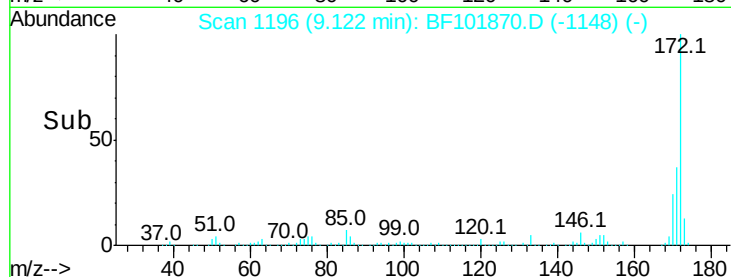
#44
 2-Fluorobiphenyl
 Concen: 71.342 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 846323
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.2 19.6 29.4

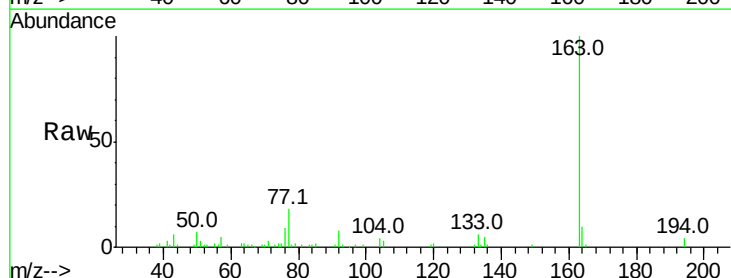


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

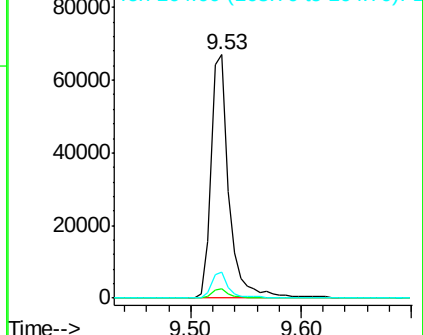
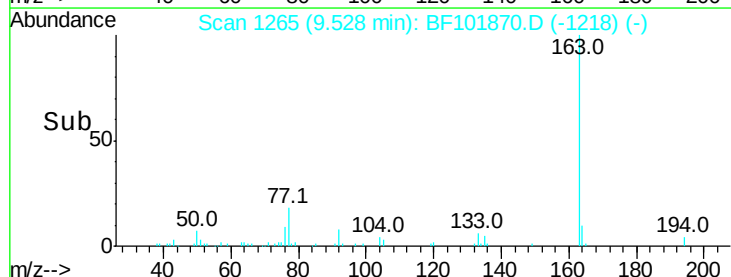


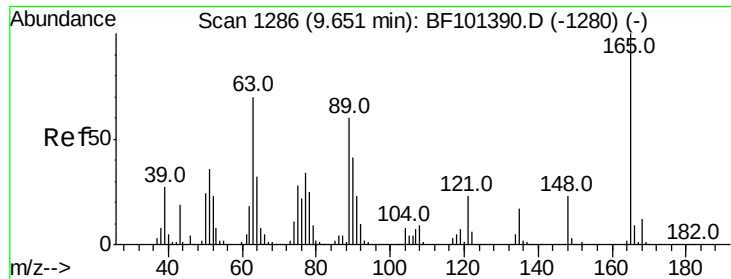
#49
 Dimethylphthalate
 Concen: 5.001 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion:163 Resp: 74027
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

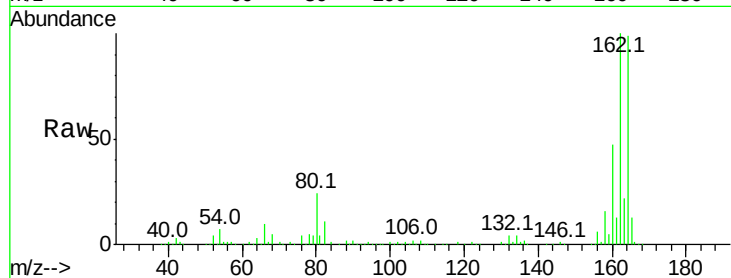




#50
 2,6-Dinitrotoluene
 Concen: 7.875 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.18 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Instrument :
 BNA_F
 ClientSampleId :

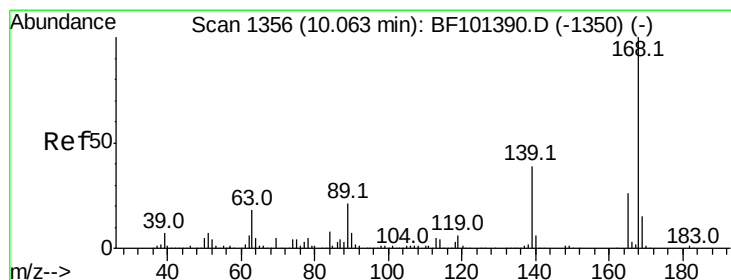
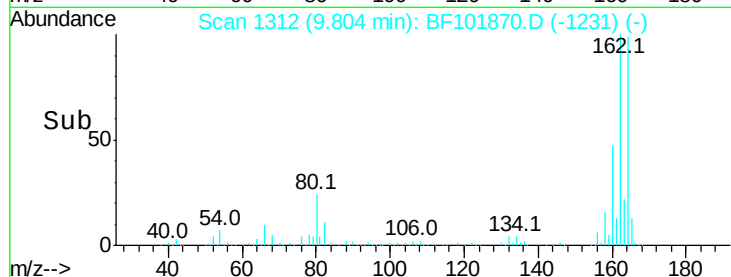
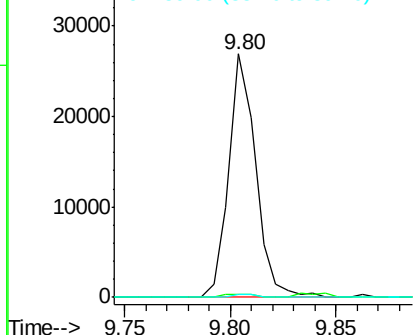
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

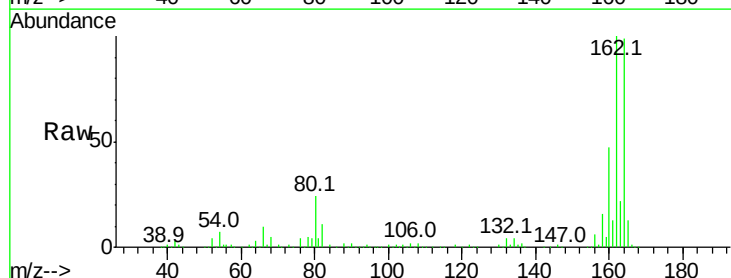
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.990 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.24 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

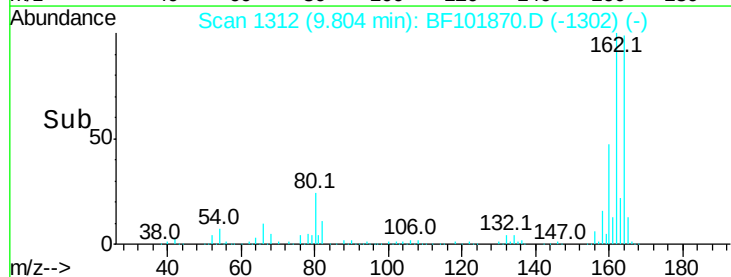
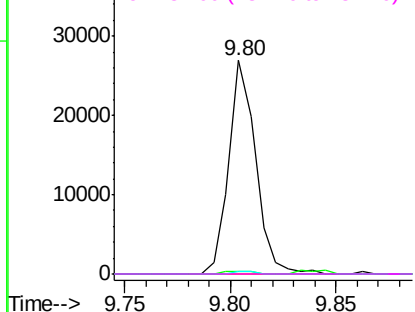


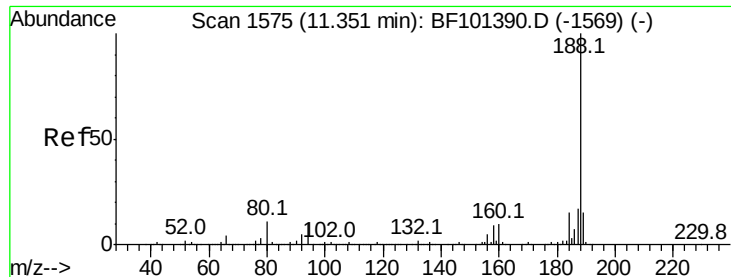
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

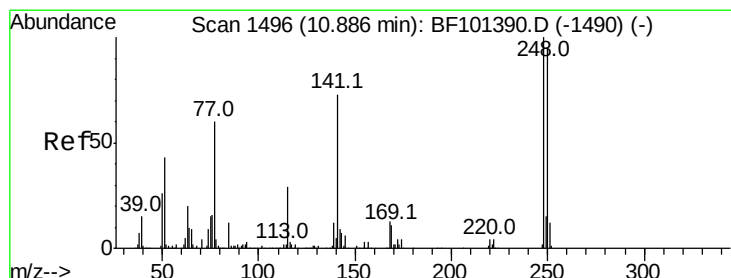
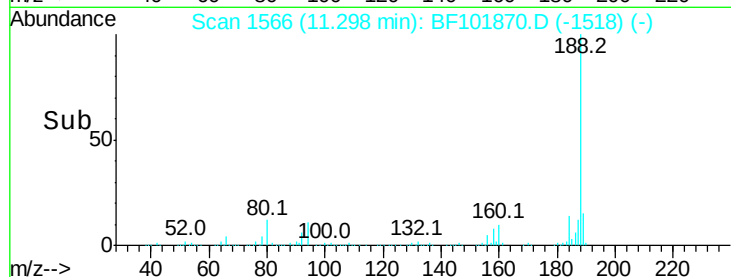
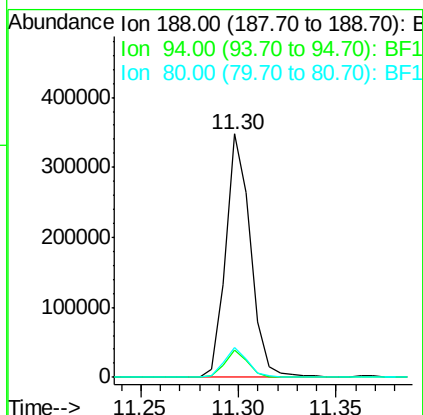
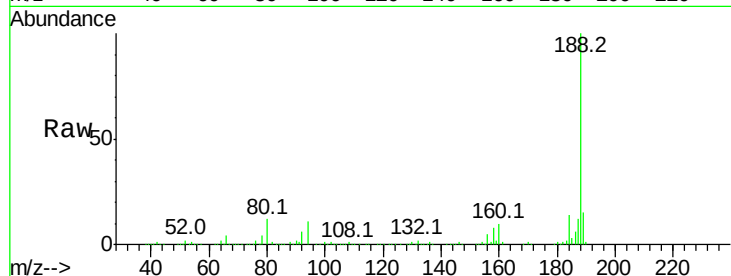




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

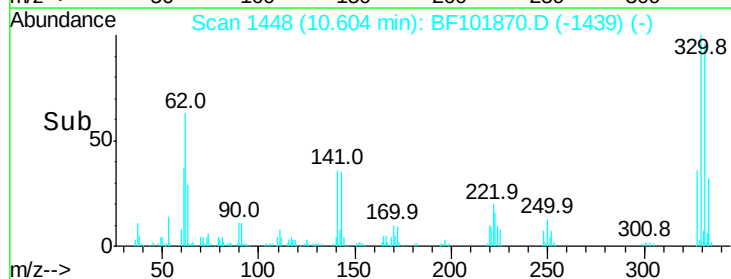
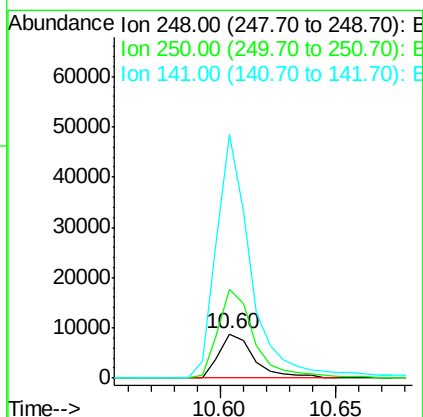
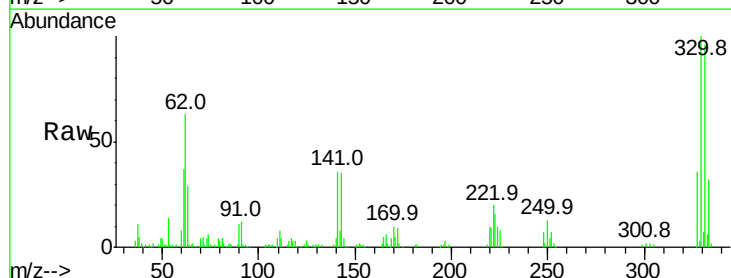
Instrument :
 BNA_F
 ClientSampleId :

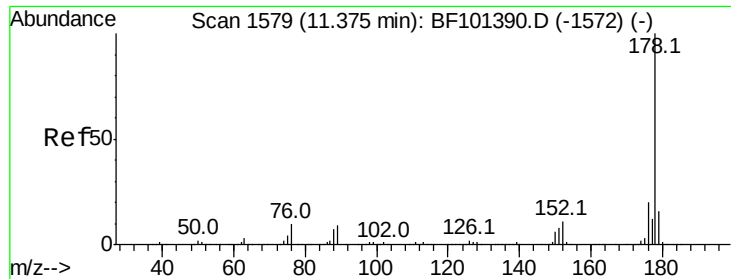
Tot Ion:188 Resp: 305658
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.1 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.723 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion:248 Resp: 9352
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 548.1 74.4 111.6#

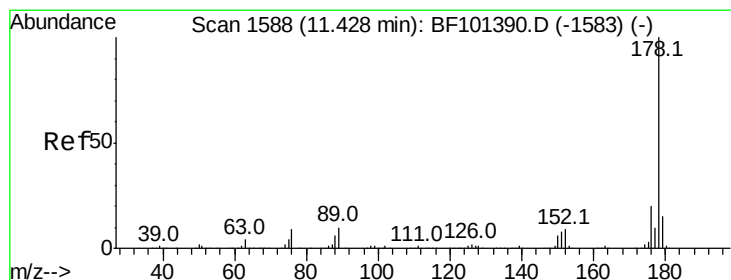
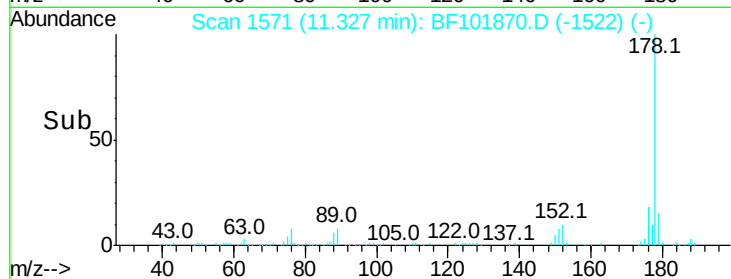
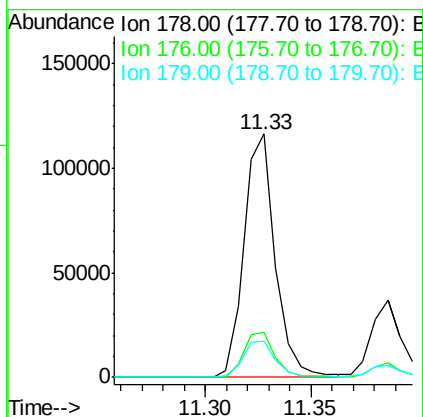
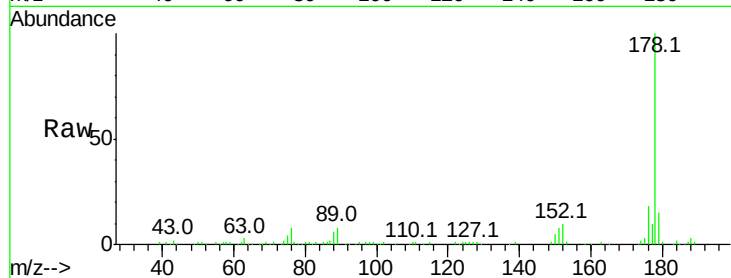




#70
Phenanthrene
Concen: 6.981 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

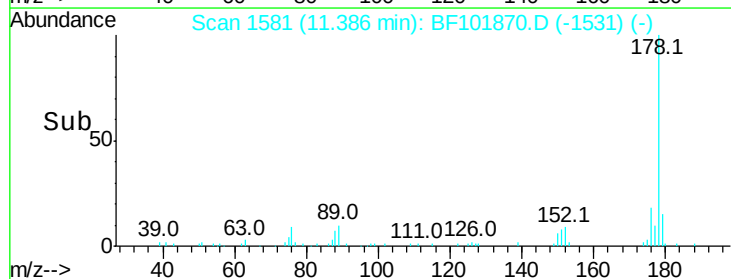
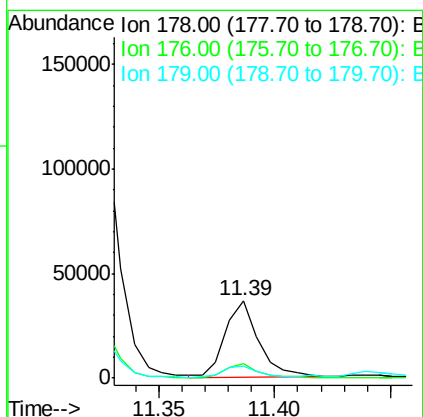
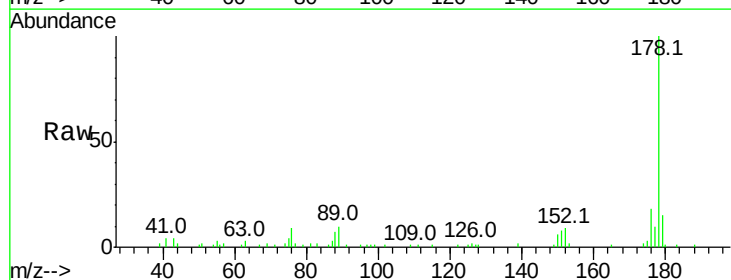
Instrument :
BNA_F
ClientSampleId :

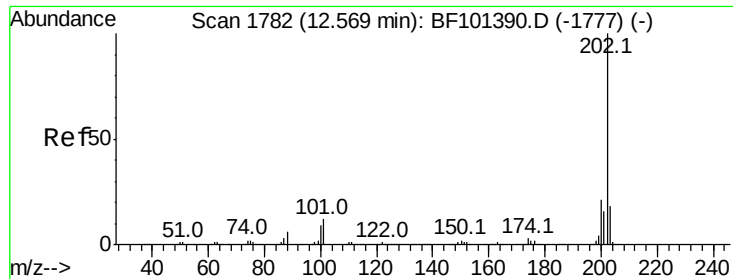
Tot Ion:178 Resp: 118672
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 2.100 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Tgt Ion:178 Resp: 36471
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.8 12.6 19.0

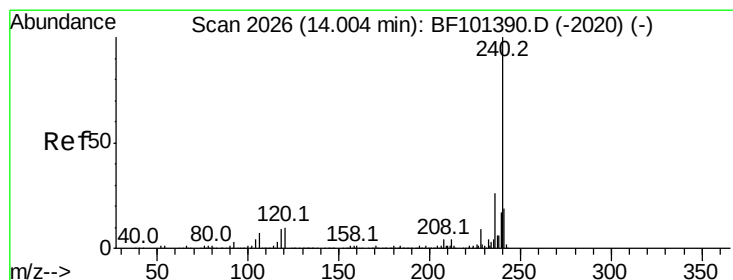
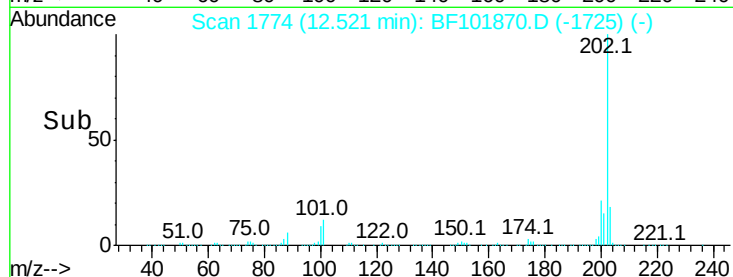
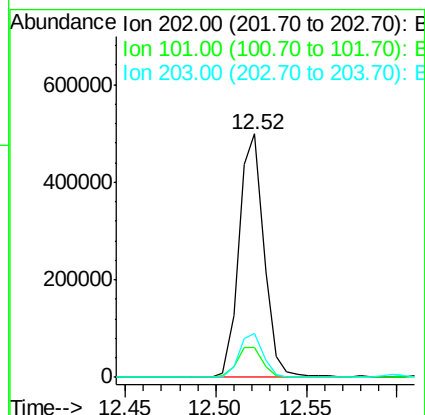
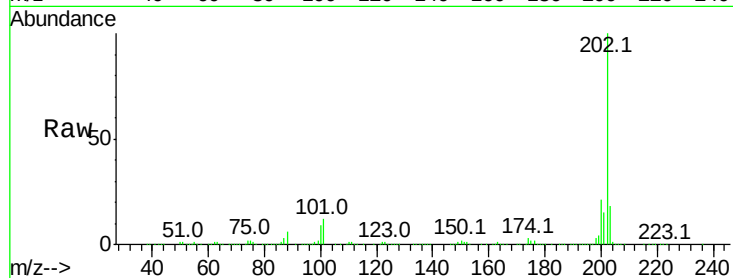




#74
Fluoranthene
Concen: 26.849 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

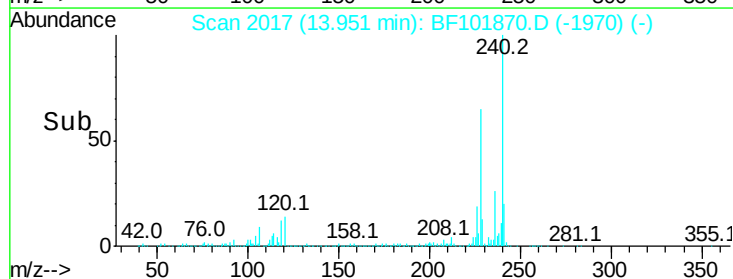
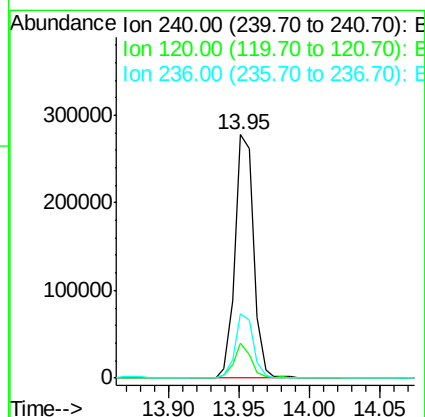
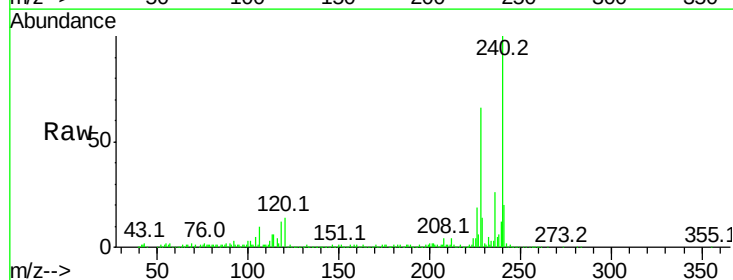
Instrument :
BNA_F
ClientSampleId :

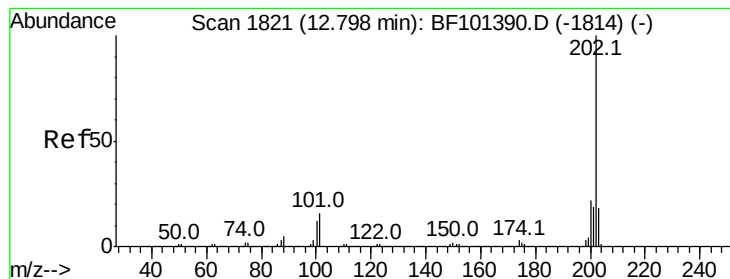
Tot Ion:202 Resp: 479030
Ion Ratio Lower Upper
202 100
101 12.2 0.0 34.1
203 18.0 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Tgt Ion:240 Resp: 257906
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 26.2 20.7 31.1





#77

Pvrene

Concen: 23.804 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

Instrument :

BNA_F

ClientSampleId :

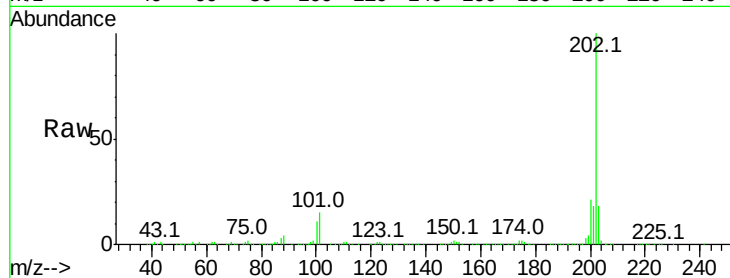
Tot Ion:202 Resp: 460751

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

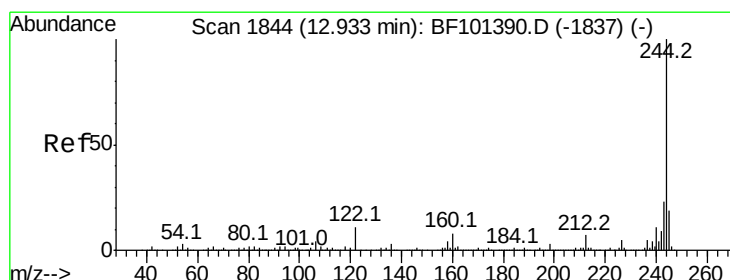
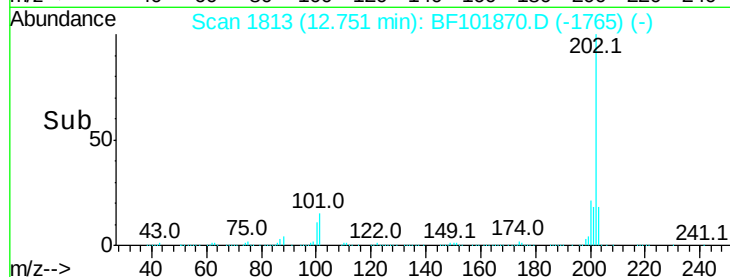
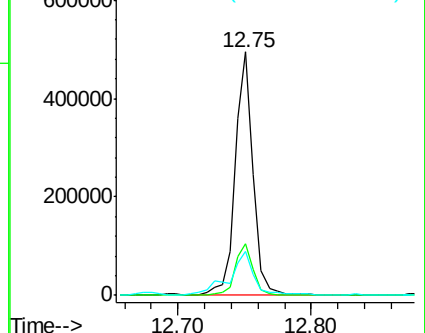
203 18.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.006 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

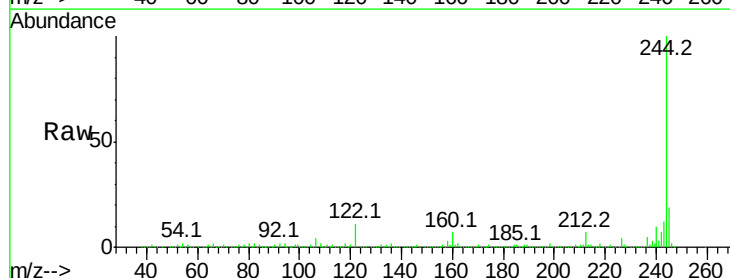
Tgt Ion:244 Resp: 652647

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

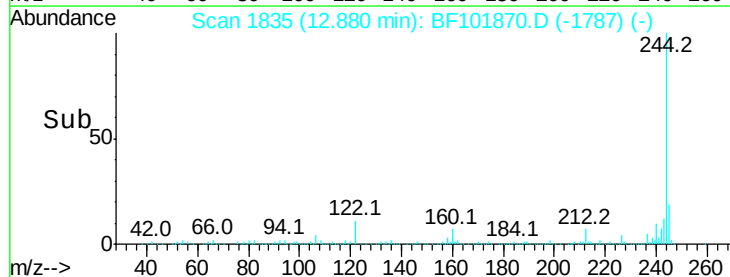
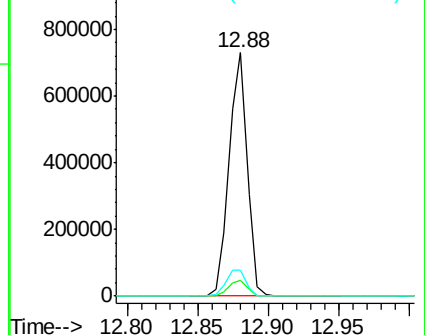
122 10.9 11.0 16.4#

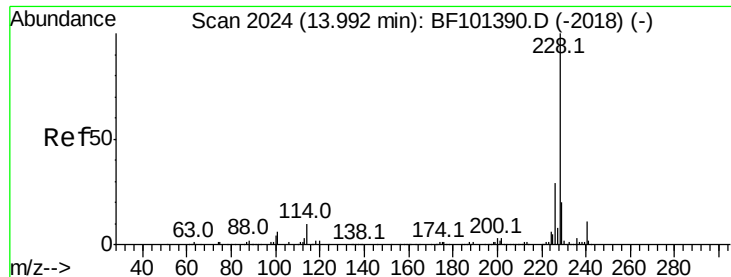


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

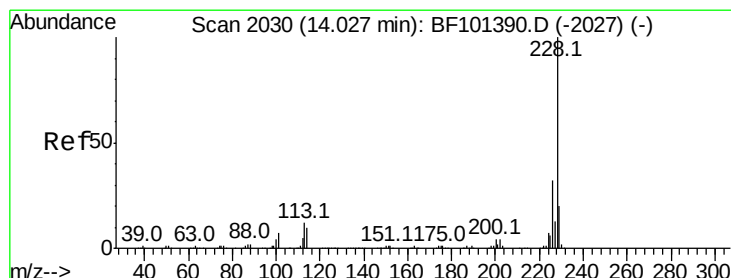
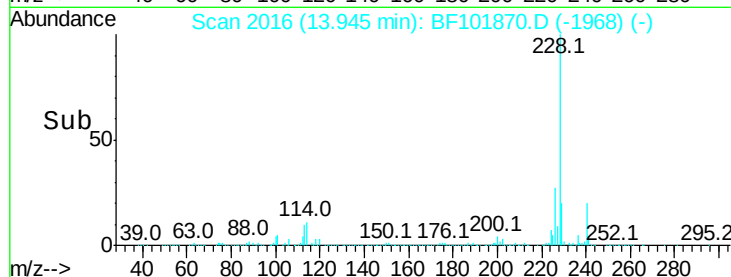
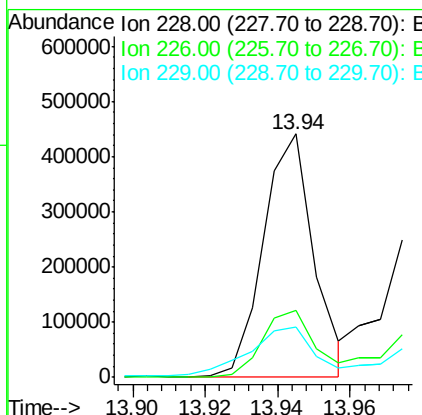
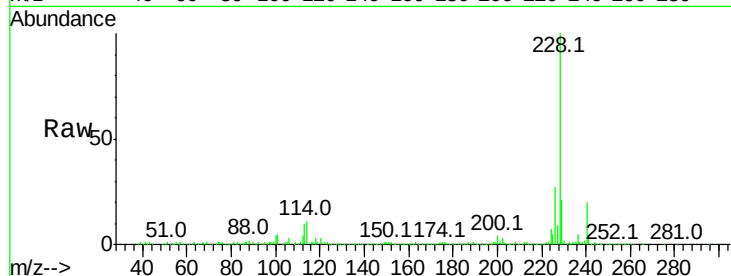




#80
Benzo(a)anthracene
Concen: 24.883 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

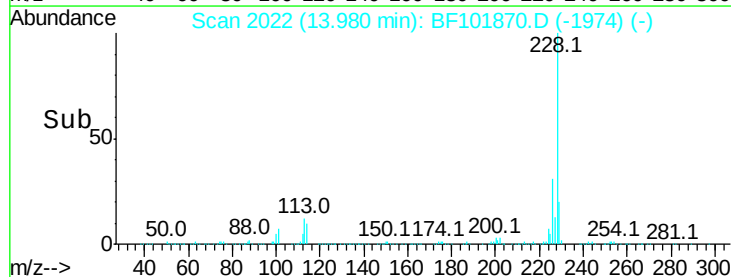
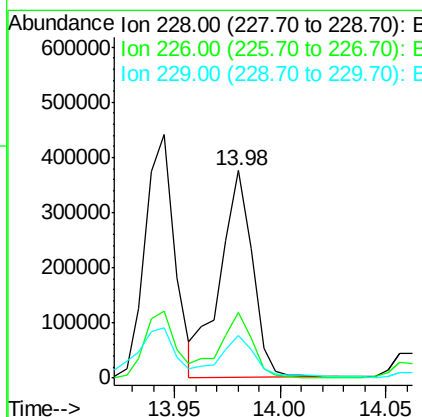
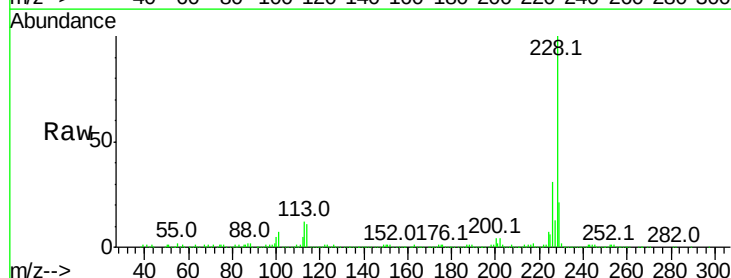
Instrument :
BNA_F
ClientSampled :

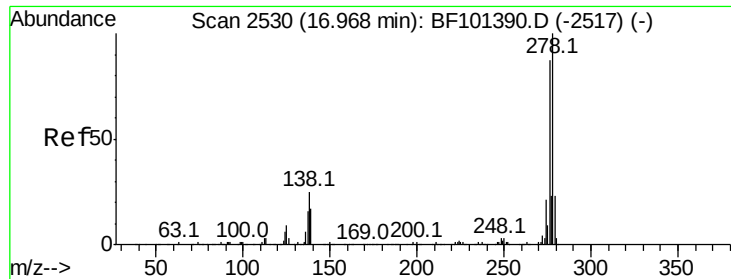
Tot Ion:228 Resp: 423749
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 24.658 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Tgt Ion:228 Resp: 396485
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 20.8 16.2 24.4

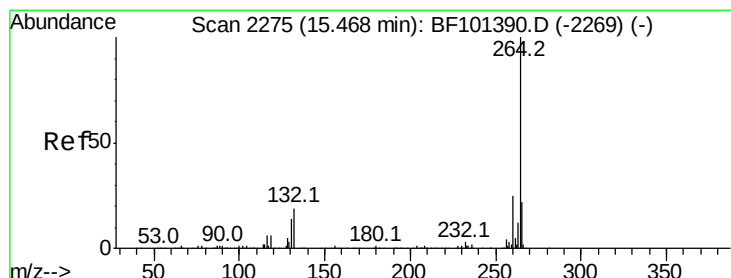
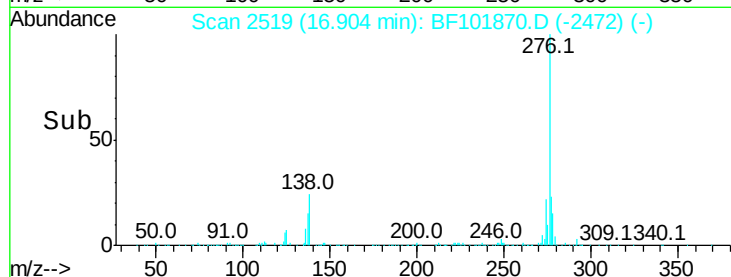
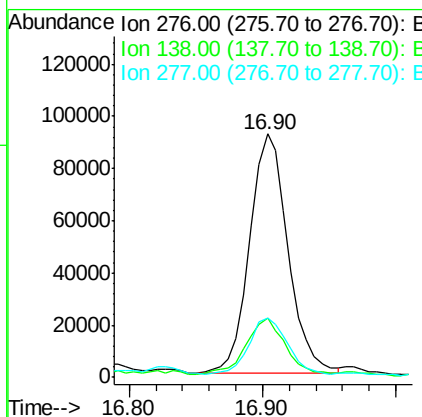
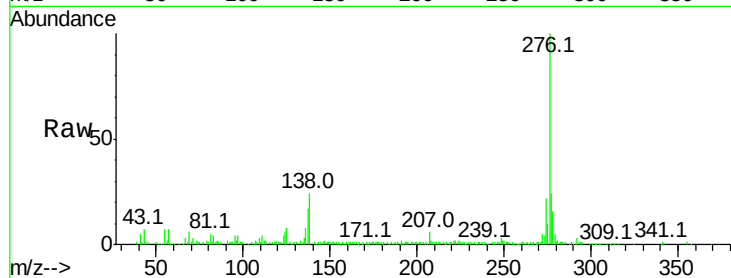




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.789 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

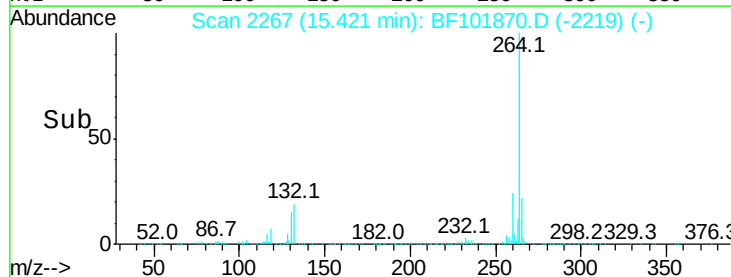
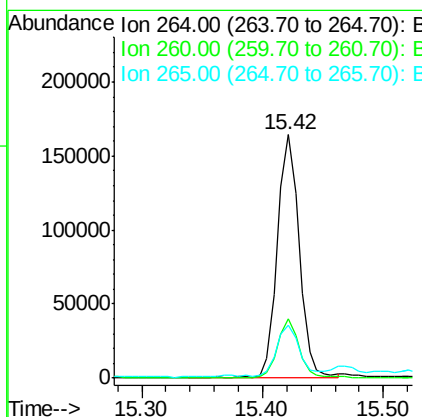
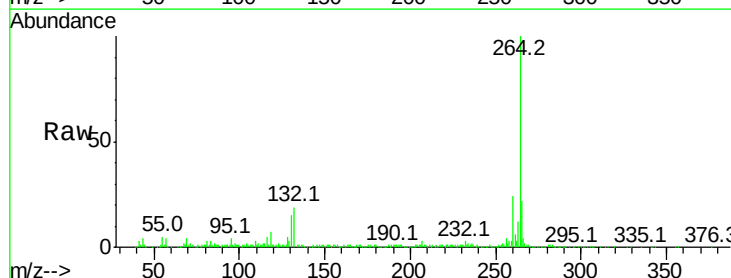
Instrument :
 BNA_F
 ClientSampleId :

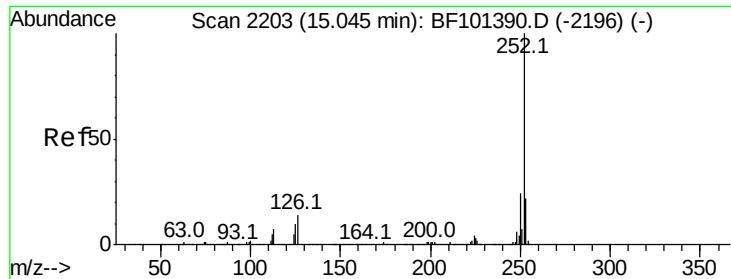
Tot Ion:276 Resp: 183114
 Ion Ratio Lower Upper
 276 100
 138 24.7 25.0 37.6#
 277 24.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Tgt Ion:264 Resp: 206181
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.0 17.5 26.3

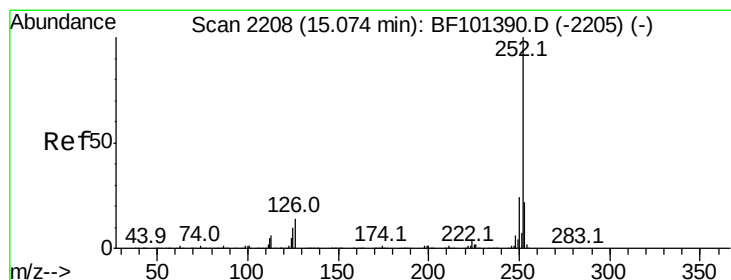
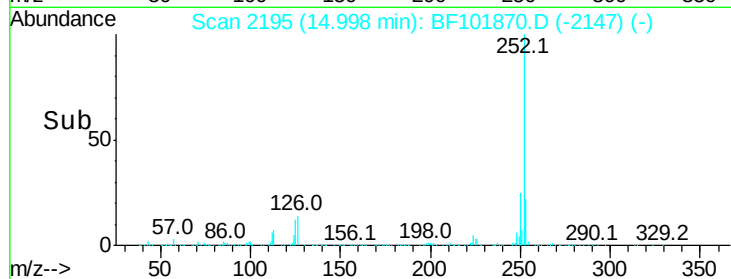
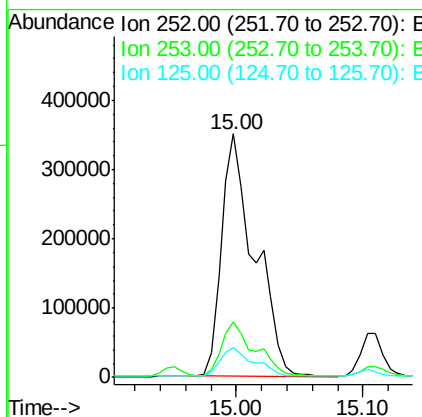
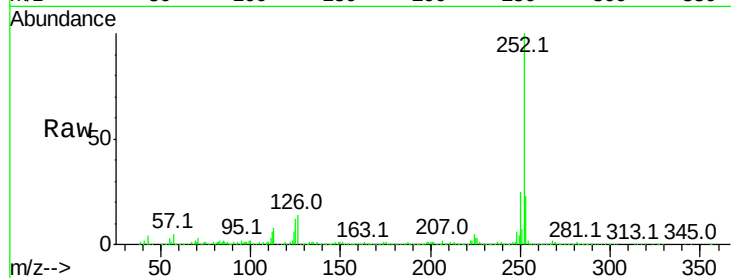




#87
Benzo(b)fluoranthene
Concen: 50.499 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

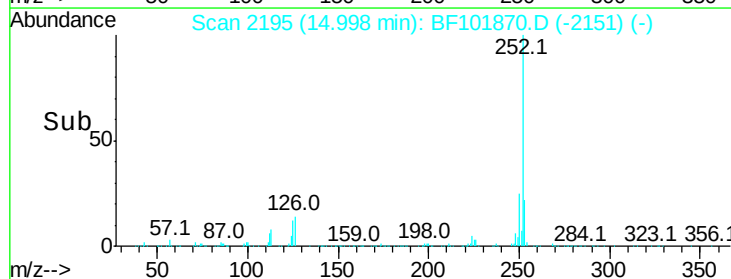
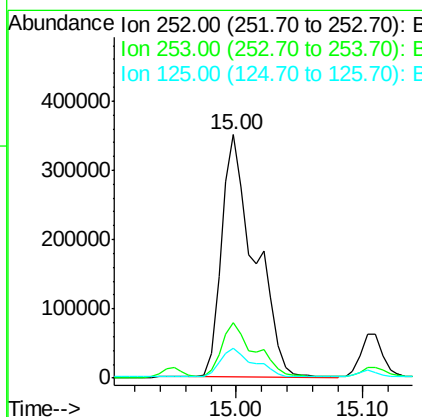
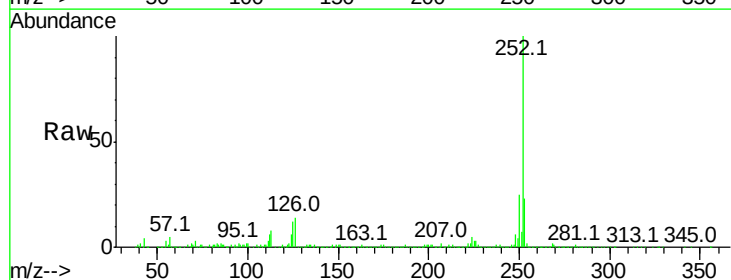
Instrument :
BNA_F
ClientSampleId :

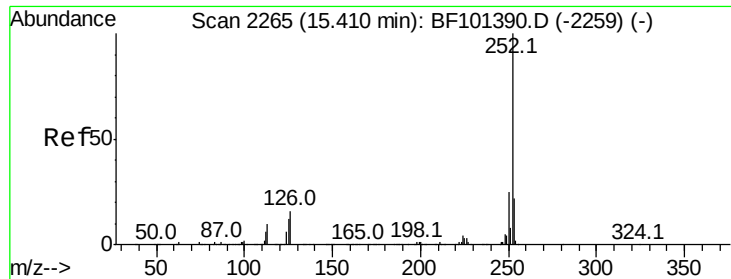
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	12.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 51.939 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101870.D
Acq: 3 Jan 2018 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 27.570 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

Instrument :

BNA_F

ClientSampleId :

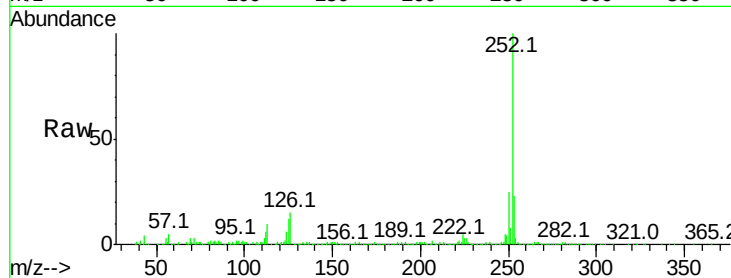
Tot Ion:252 Resp: 319400

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

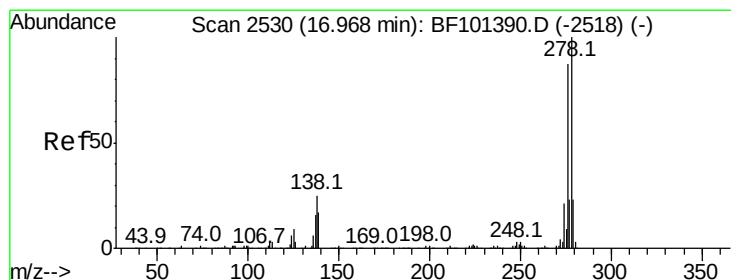
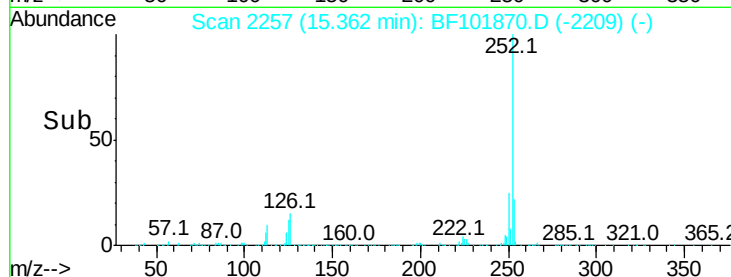
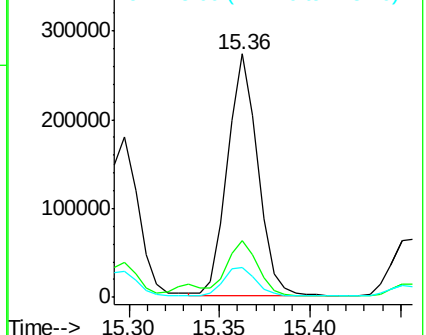
125 12.4 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.054 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.15 min

Lab File: BF101870.D

Acq: 3 Jan 2018 19:52

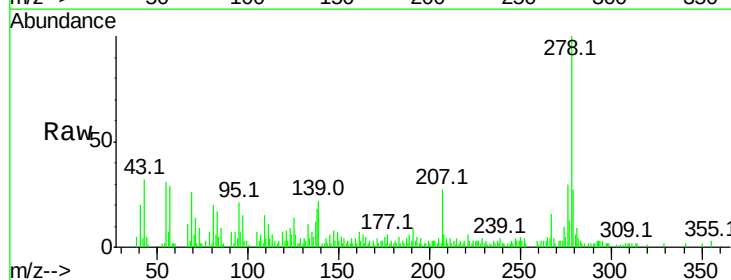
Tgt Ion:278 Resp: 40321

Ion Ratio Lower Upper

278 100

139 21.9 15.9 23.9

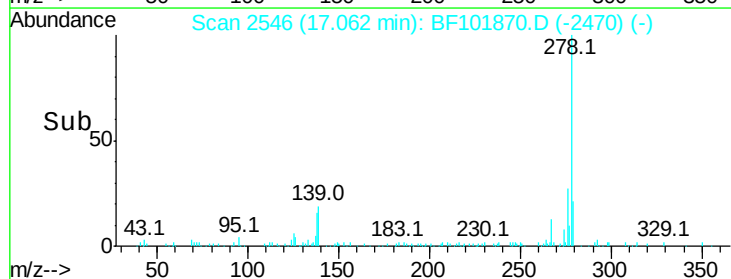
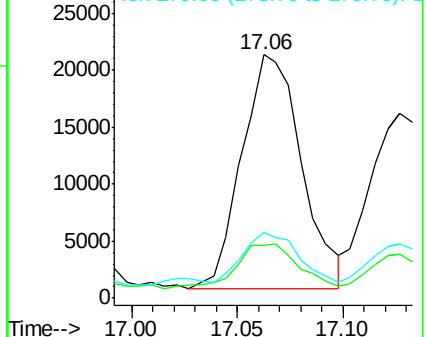
279 26.9 19.0 28.4

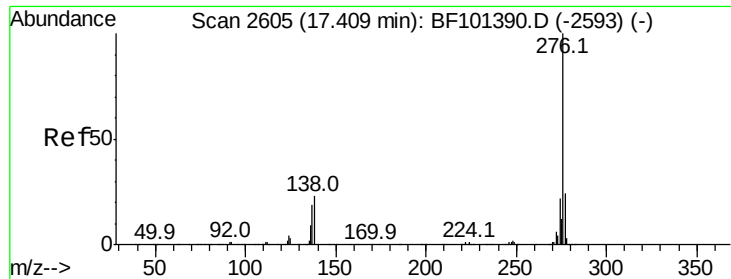


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 17.168 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.01 min
 Lab File: BF101870.D
 Acq: 3 Jan 2018 19:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	24.4	21.8	32.8

