

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096575.D
 Acq On : 7 Jul 2017 22:44
 Operator : SJ/MA
 Sample : I4070-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

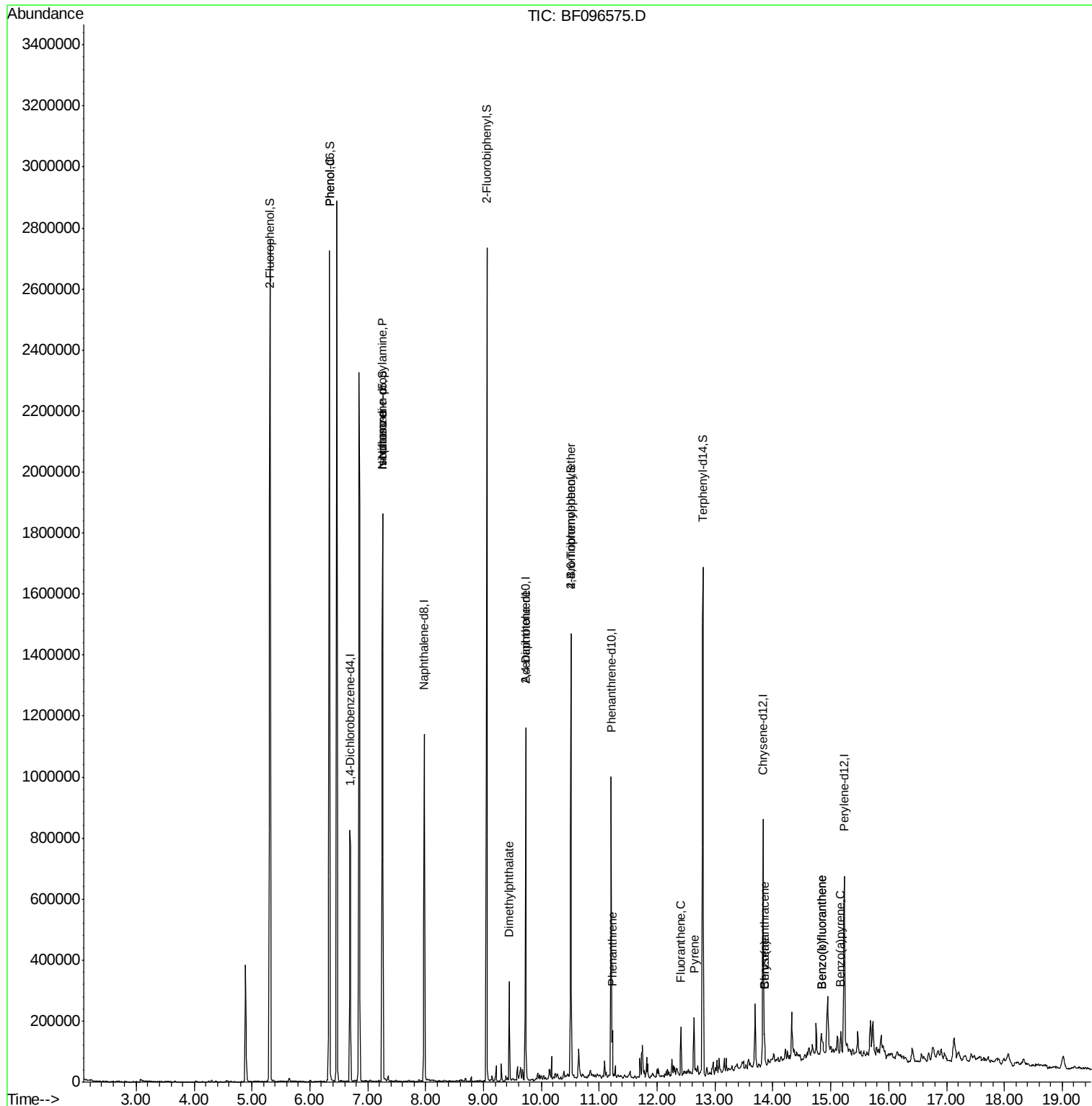
Quant Time: Jul 08 01:04:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	123147	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	507649	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	214210	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	316756	20.00	ng	0.00
75) Chrysene-d12	13.83	240	237818	20.00	ng	-0.01
86) Perylene-d12	15.23	264	236805	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	809793	97.06	ng	0.00
7) Phenol-d6	6.34	99	965202	94.10	ng	0.00
23) Nitrobenzene-d5	7.26	82	567972	67.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	170557	101.93	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	877069	70.01	ng	0.00
78) Terphenyl-d14	12.79	244	534299	48.01	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.35	94	33545	2.87	ng	88
19) n-Nitroso-di-n-propylamine	7.26	70	75125	12.29	ng	# 87
25) Isophorone	7.26	82	565396	34.52	ng	# 67
49) Dimethylphthalate	9.45	163	114292	7.15	ng	99
56) 2,4-Dinitrotoluene	9.73	165	27770	6.20	ng	# 33
66) 4-Bromophenyl-phenylether	10.51	248	10859	3.52	ng	# 1
70) Phenanthrene	11.23	178	49160	2.87	ng	98
74) Fluoranthene	12.41	202	53744	3.20	ng	99
77) Pyrene	12.64	202	76319	4.00	ng	98
80) Benzo(a)anthracene	13.86	228	33894	2.46	ng	95
82) Chrysene	13.86	228	33894	2.35	ng	96
87) Benzo(b)fluoranthene	14.84	252	46005	3.10	ng	# 92
88) Benzo(k)fluoranthene	14.84	252	46005	3.47	ng	# 96
89) Benzo(a)pyrene	15.17	252	28419	2.15	ng	# 95

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

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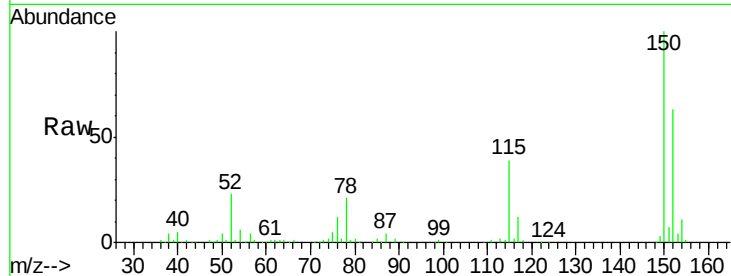


#1

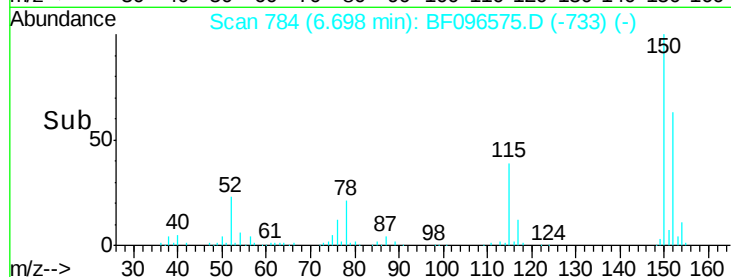
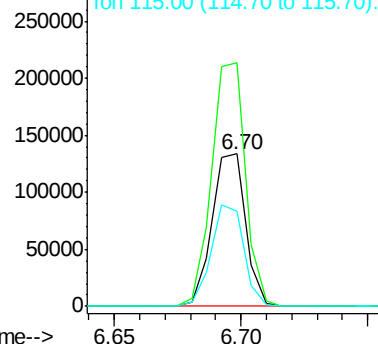
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	62.7	52.2	78.2



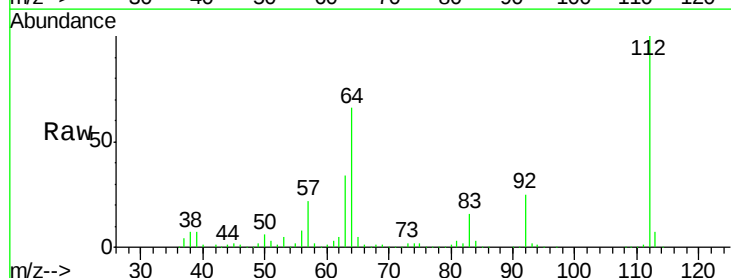
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



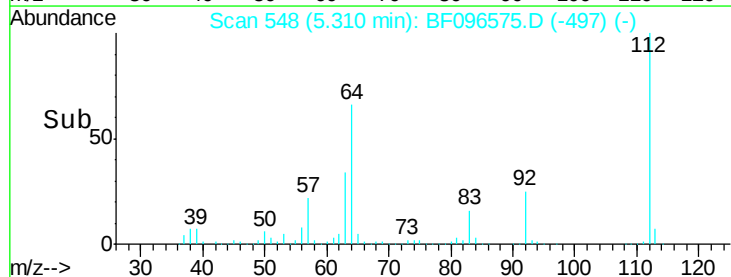
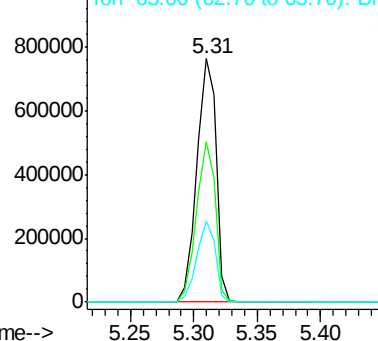
#5

2-Fluorophenol
Concen: 97.06 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	33.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.10 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

Instrument :

BNA_F

ClientSampleId :

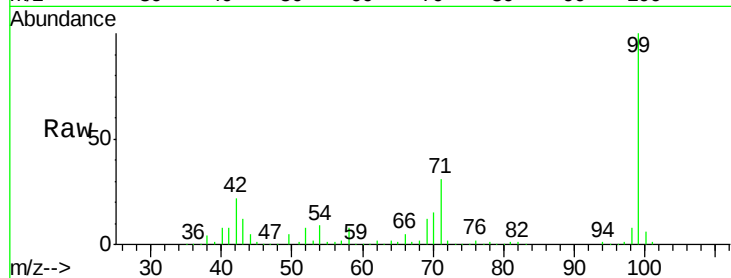
Tot Ion: 99 Resp: 965202

Ion Ratio Lower Upper

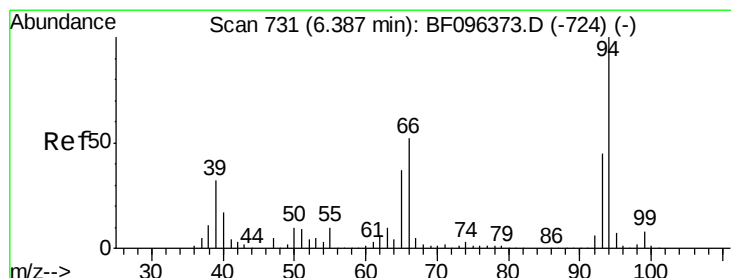
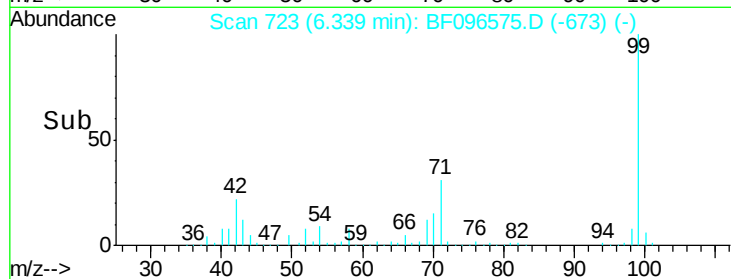
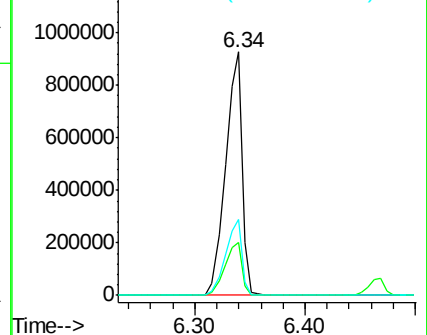
99 100

42 21.9 13.5 20.3#

71 31.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.87 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

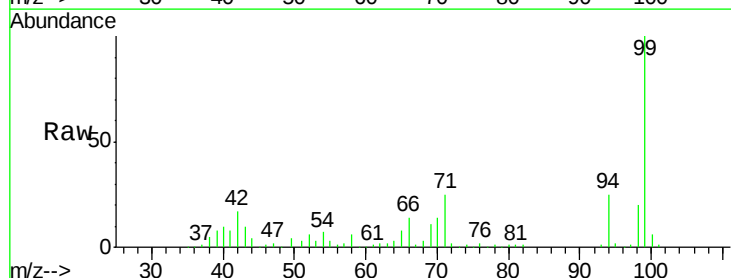
Tgt Ion: 94 Resp: 33545

Ion Ratio Lower Upper

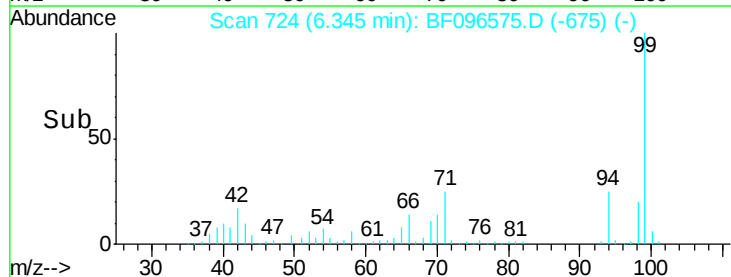
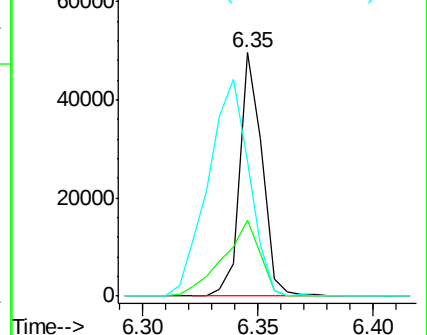
94 100

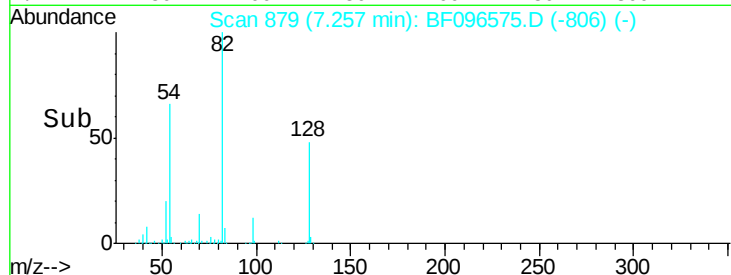
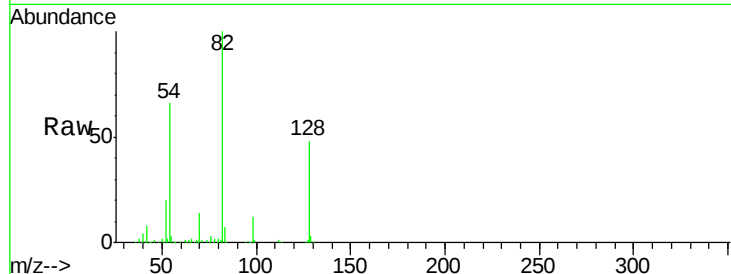
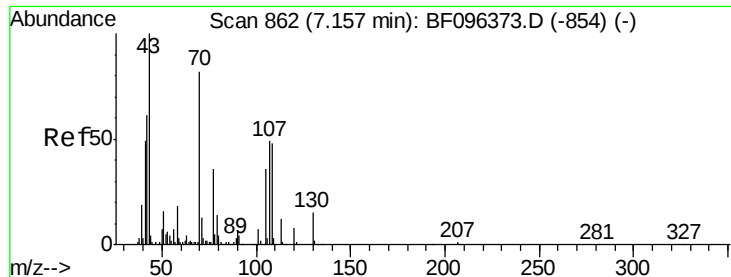
65 31.1 9.9 49.9

66 55.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

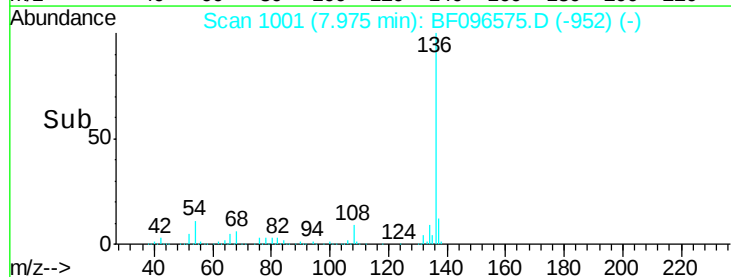
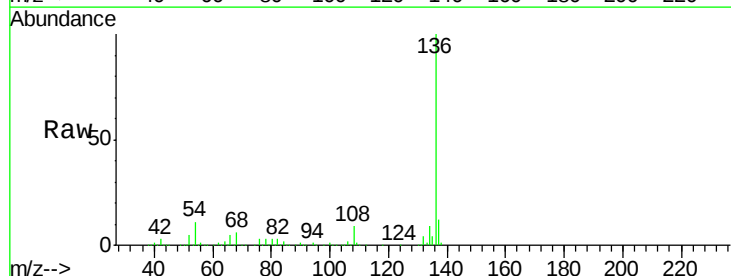
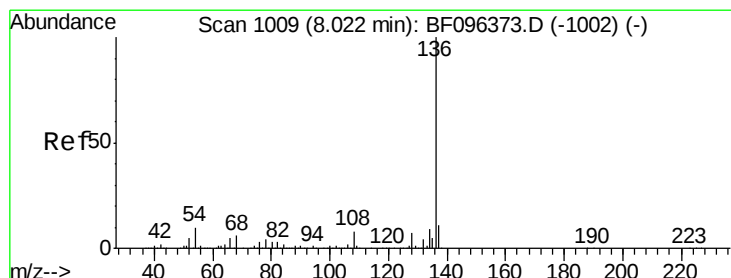
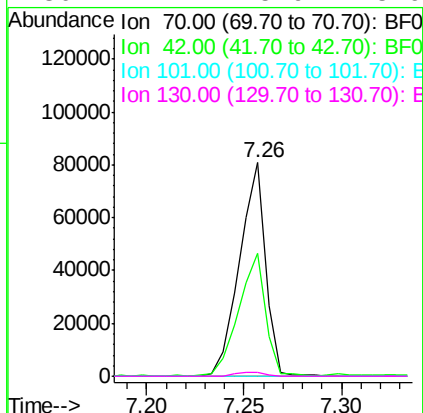




#19
n-Nitroso-di-n-propylamine
Concen: 12.29 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

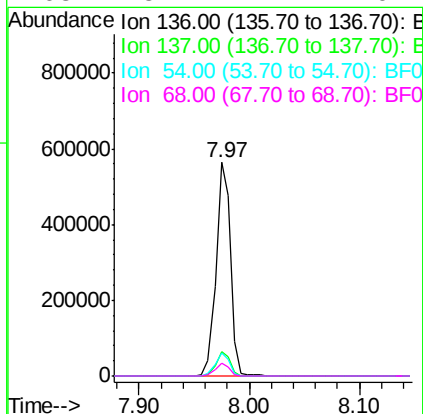
Instrument :
BNA_F
ClientSampleId :

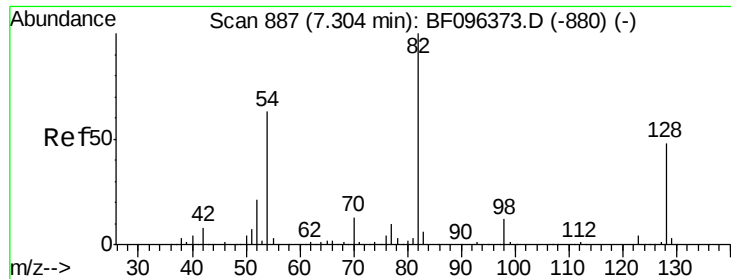
Tot Ion:	70	Resp:	75125
Ion	Ratio	Lower	Upper
70	100		
42	57.4	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion:	136	Resp:	507649
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	10.6	4.9	7.3#
68	5.7	4.1	6.1

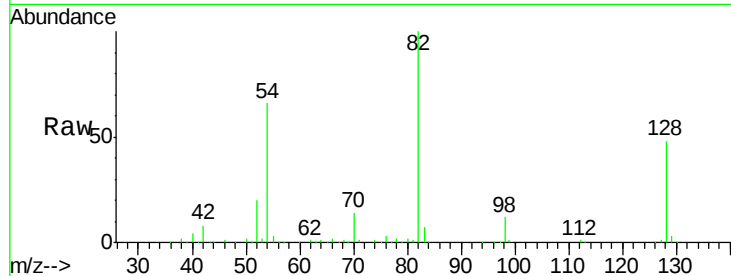




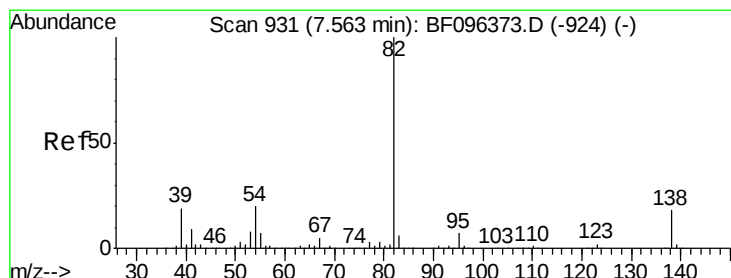
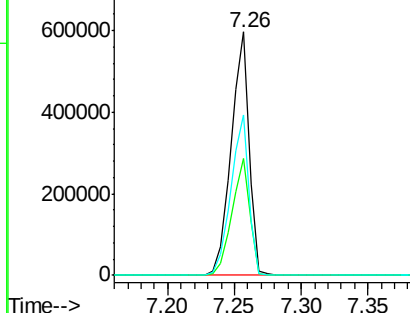
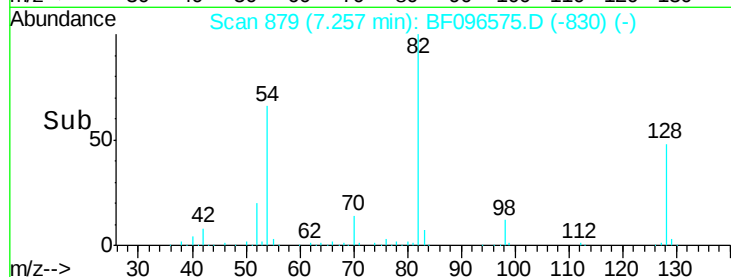
#23
 Nitrobenzene-d5
 Concen: 67.23 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 567972
 Ion Ratio Lower Upper
 82 100
 128 47.8 34.0 51.0
 54 65.7 42.2 63.2#

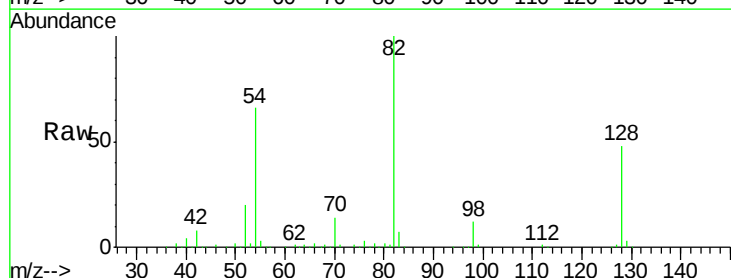


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

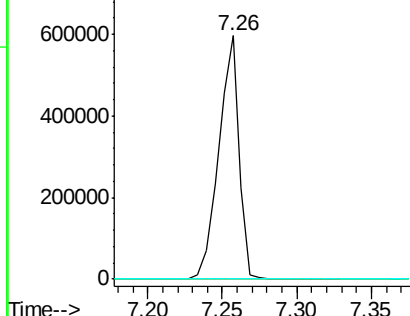
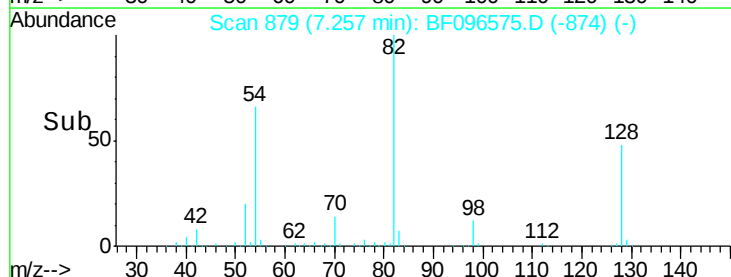


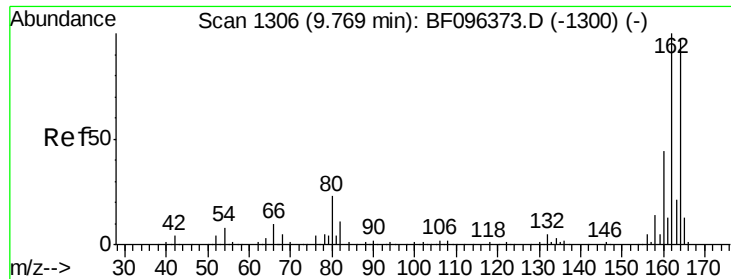
#25
 Isophorone
 Concen: 34.52 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.27 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

Tgt Ion: 82 Resp: 565396
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

Instrument :

BNA_F

ClientSampleId :

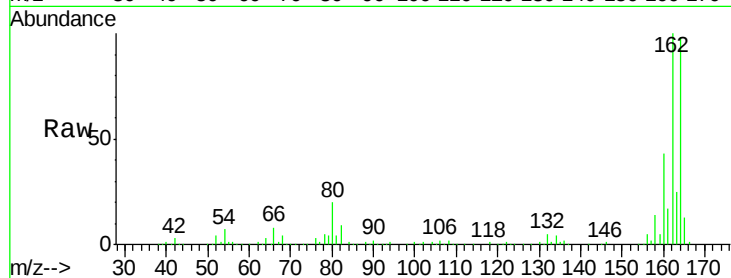
Tot Ion:164 Resp: 214210

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

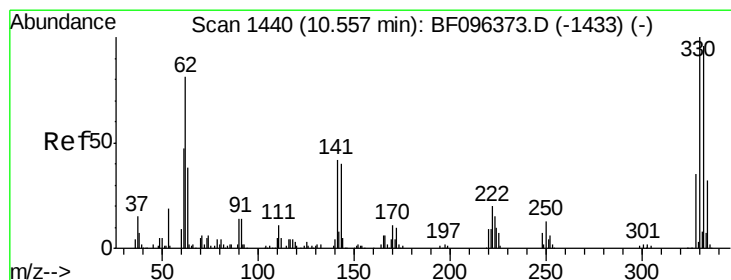
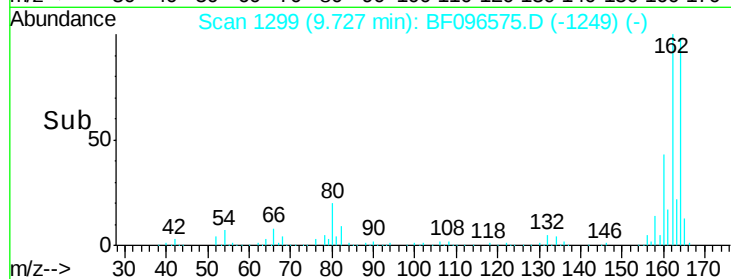
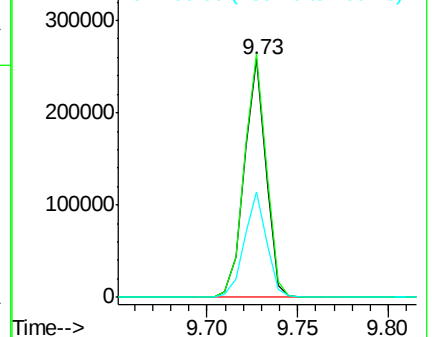
160 44.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 101.93 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

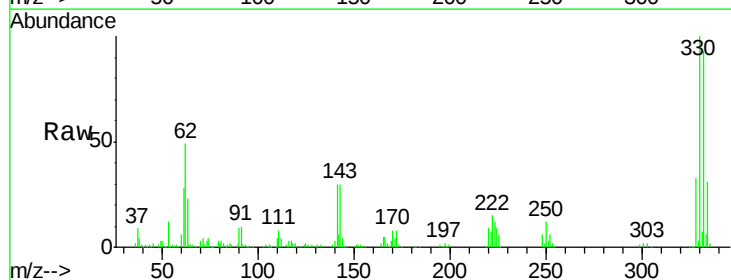
Tgt Ion:330 Resp: 170557

Ion Ratio Lower Upper

330 100

332 93.5 76.6 115.0

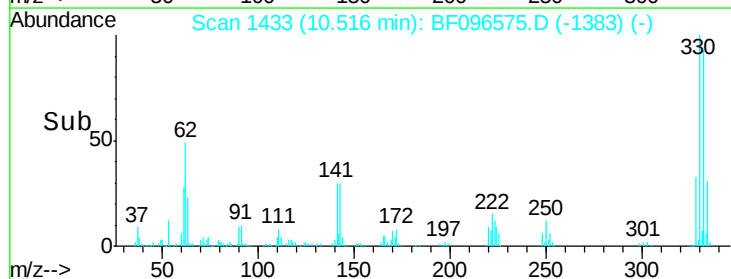
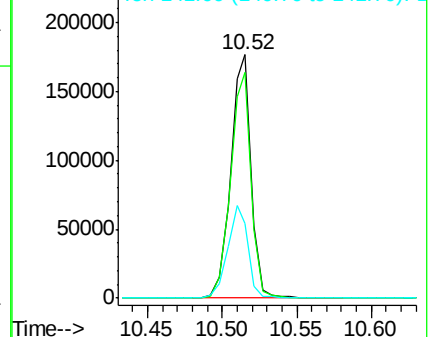
141 38.0 31.4 47.2

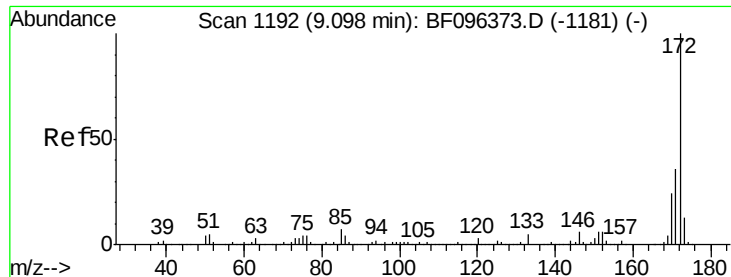


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

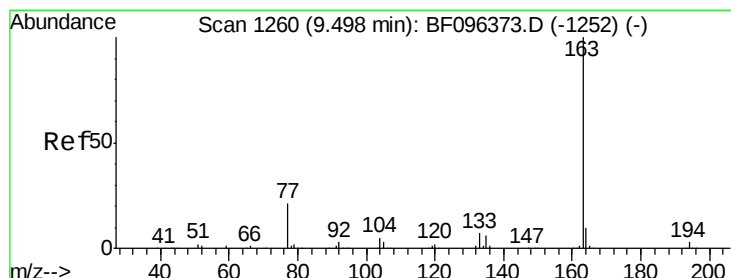
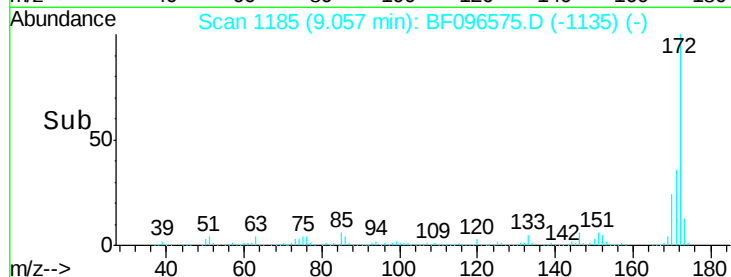
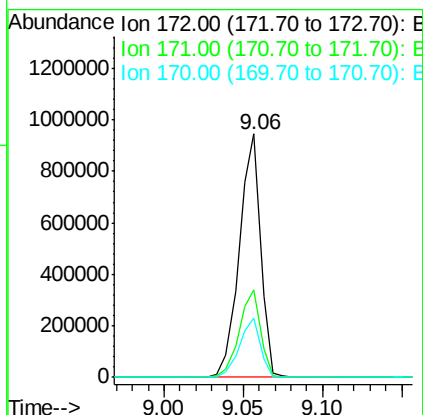
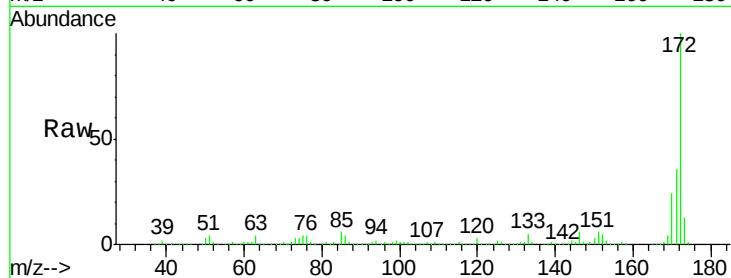




#44
2-Fluorobiphenyl
Concen: 70.01 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

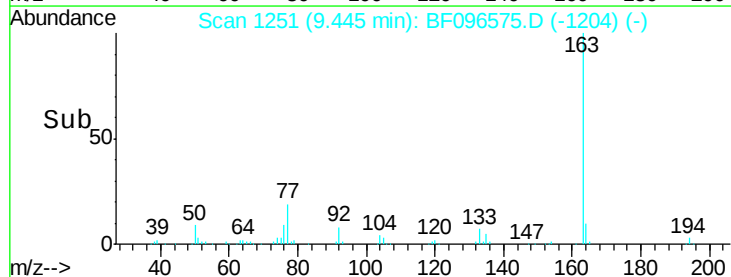
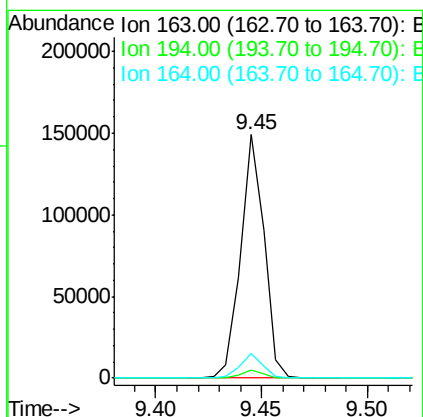
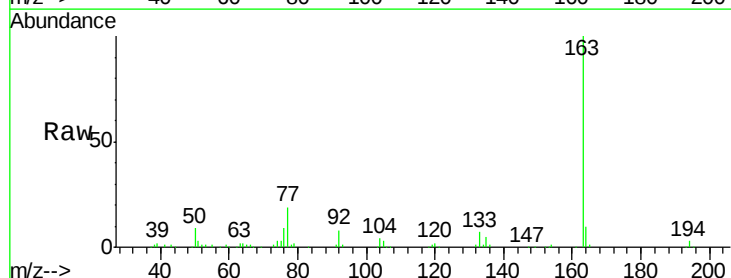
Instrument :
BNA_F
ClientSampleId :

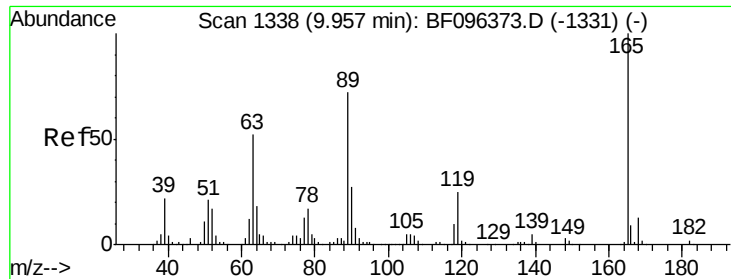
Tot Ion:172 Resp: 877069
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.3 19.8 29.8



#49
Dimethylphthalate
Concen: 7.15 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion:163 Resp: 114292
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.2 8.4 12.6

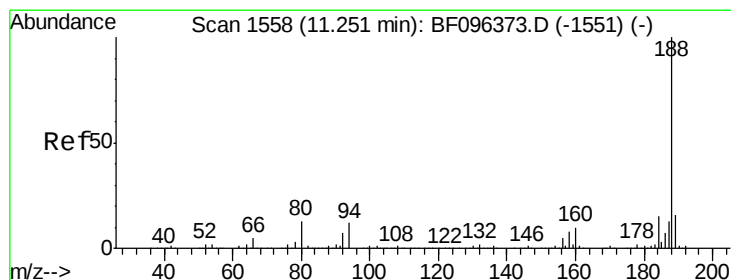
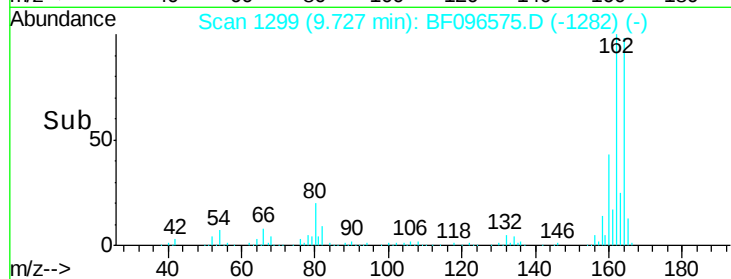
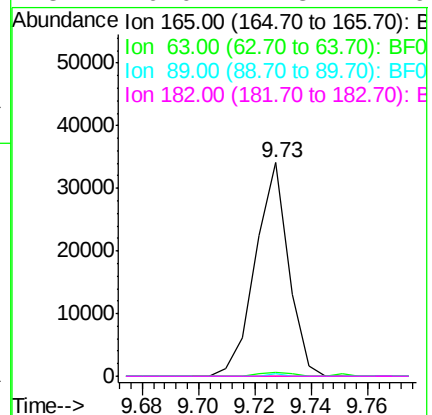
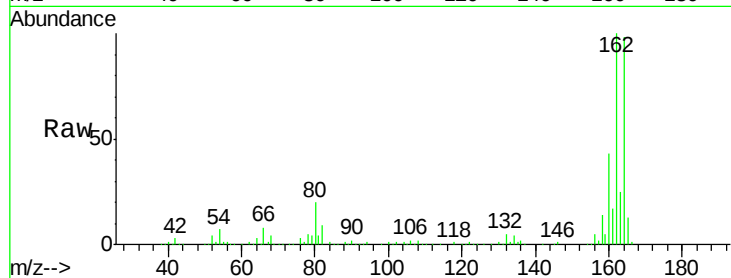




#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

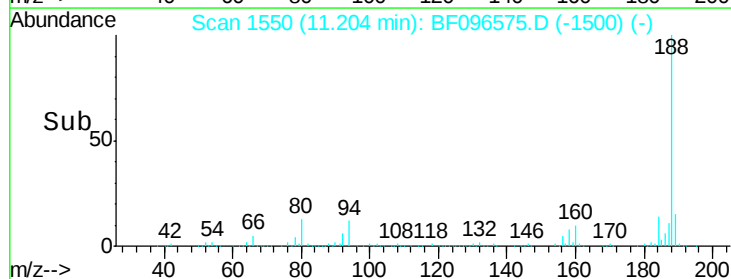
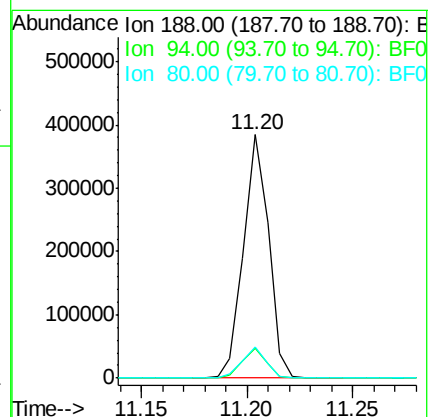
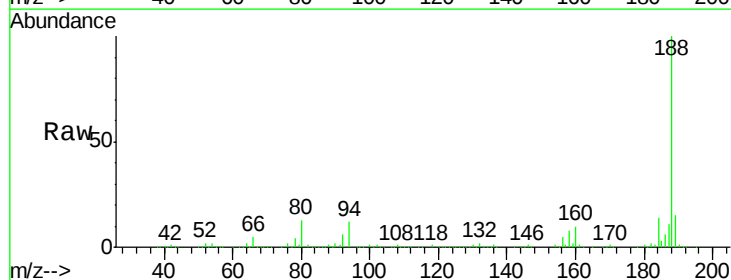
Instrument :
 BNA_F
 ClientSampleId :

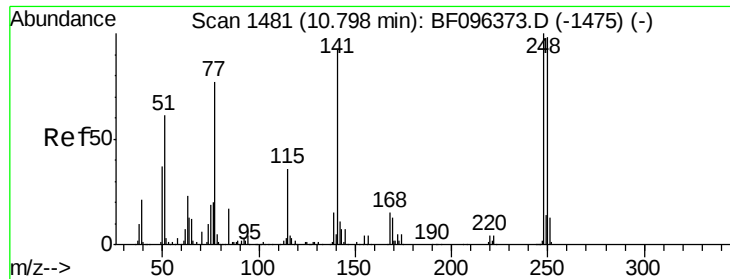
Tot Ion:165 Resp: 27770
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

Tgt Ion:188 Resp: 316756
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 12.6 10.2 15.2

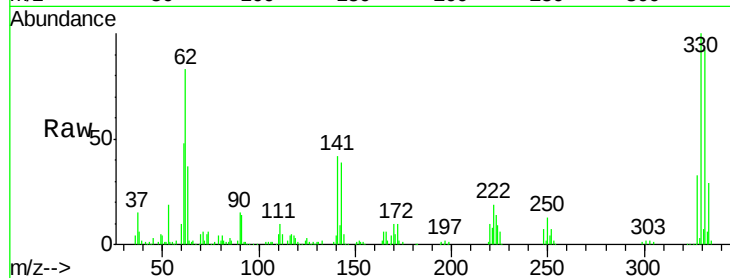




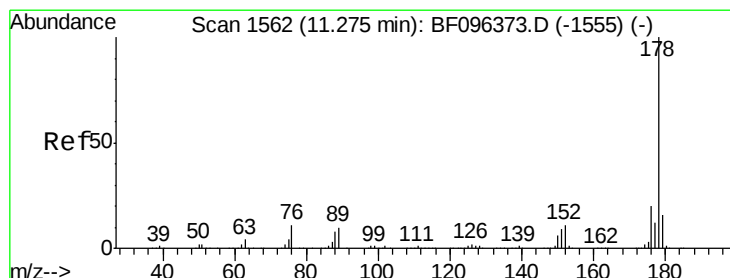
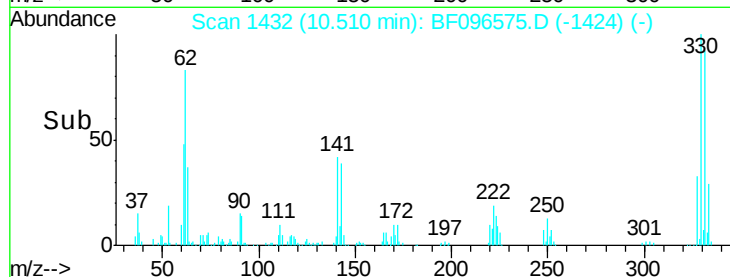
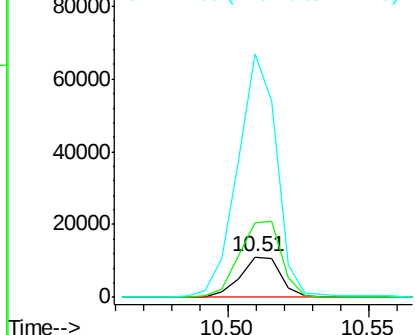
#66
 4-Bromophenyl-phenylether
 Concen: 3.52 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10859
 Ion Ratio Lower Upper
 248 100
 250 183.7 76.8 115.2#
 141 601.5 68.6 103.0#

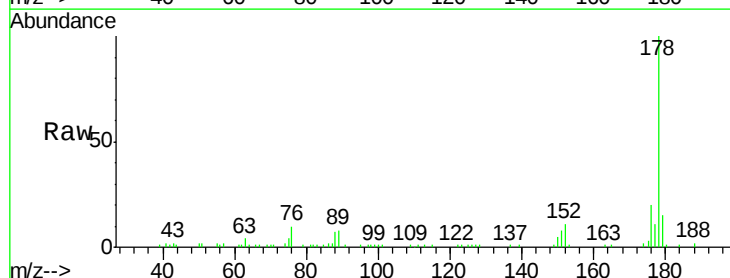


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

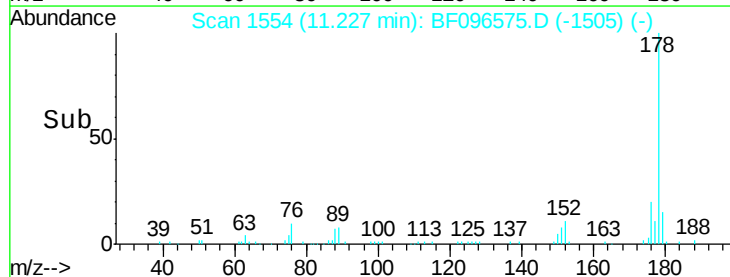
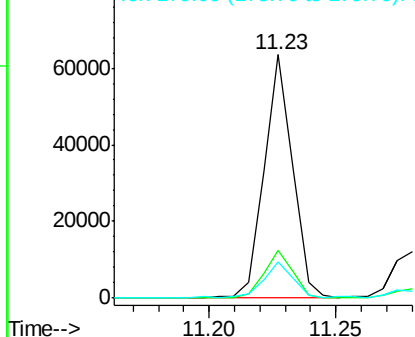


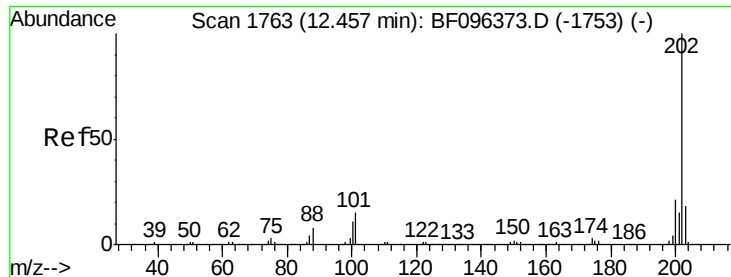
#70
 Phenanthrene
 Concen: 2.87 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096575.D
 Acq: 7 Jul 2017 22:44

Tgt Ion:178 Resp: 49160
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 14.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

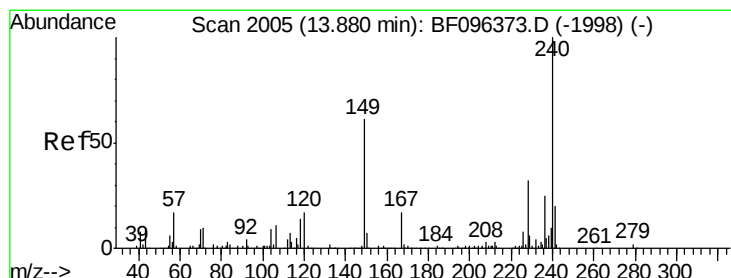
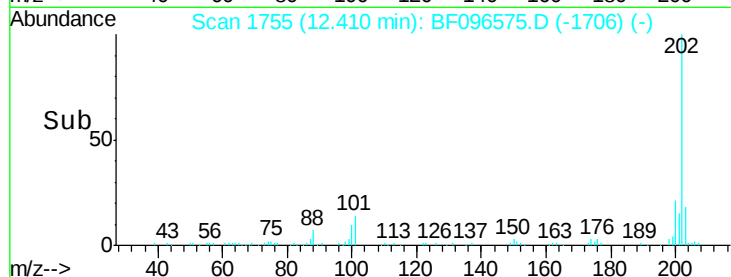
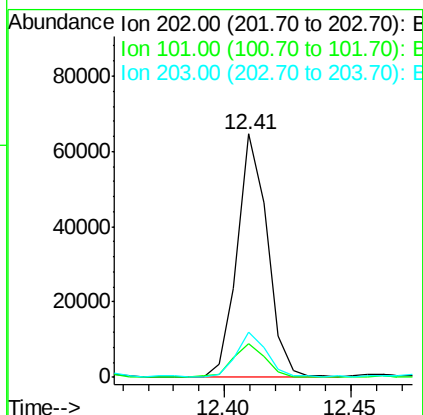
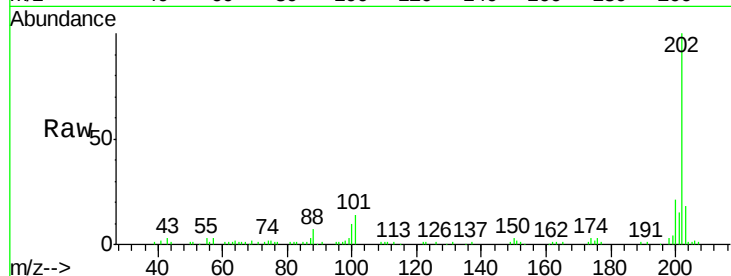




#74
Fluoranthene
Concen: 3.20 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

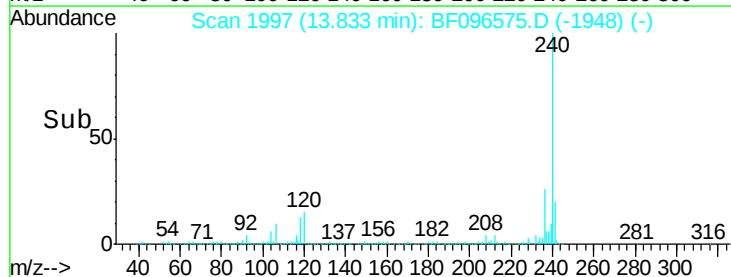
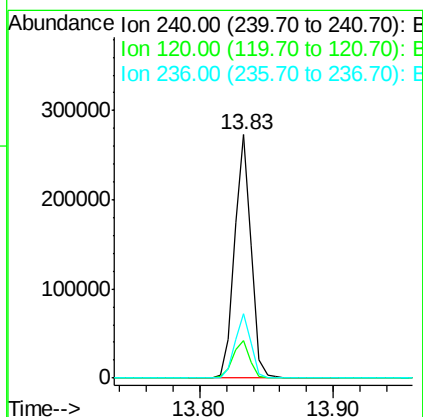
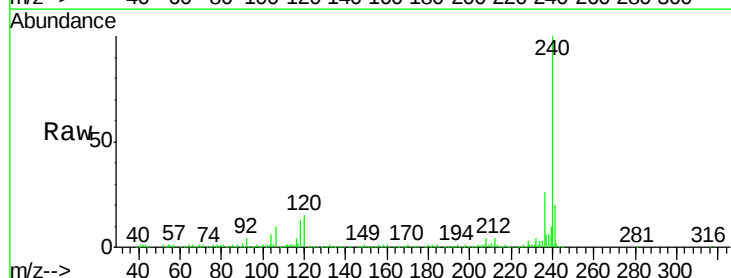
Instrument :
BNA_F
ClientSampleId :

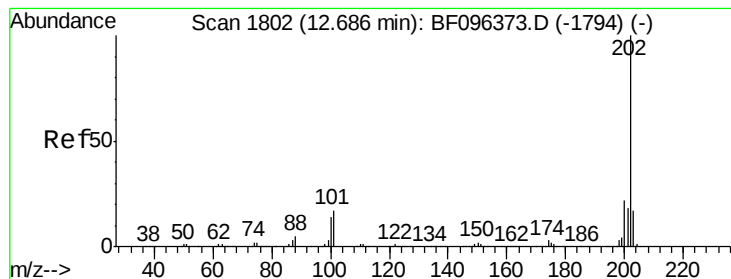
Tot Ion:202 Resp: 53744
Ion Ratio Lower Upper
202 100
101 14.0 0.0 33.2
203 18.5 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion:240 Resp: 237818
Ion Ratio Lower Upper
240 100
120 15.4 5.8 8.8#
236 26.3 20.5 30.7





#77

Pvrene

Concen: 4.00 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

Instrument :

BNA_F

ClientSampleId :

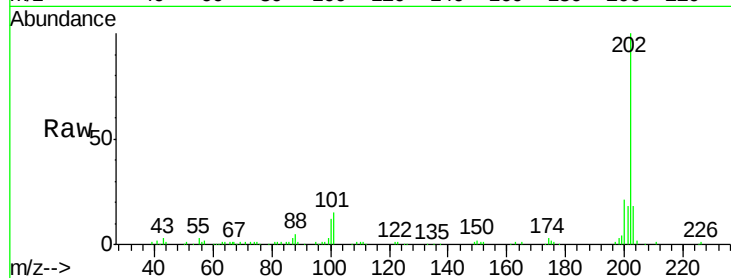
Tot Ion:202 Resp: 76319

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

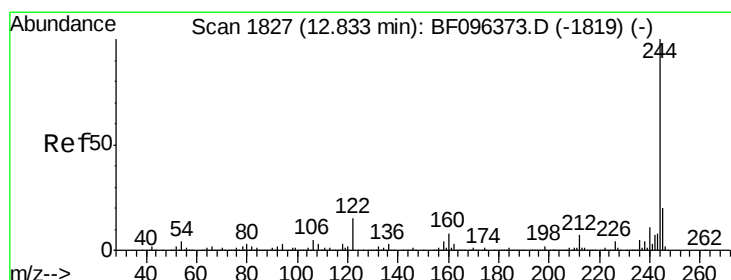
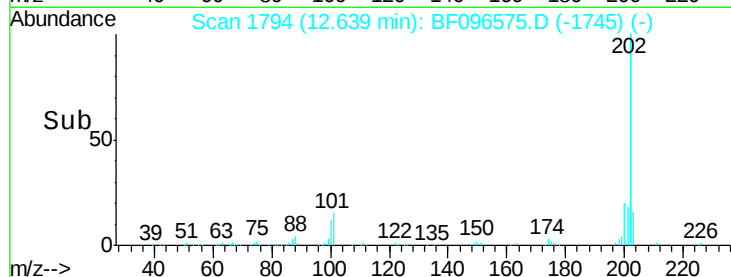
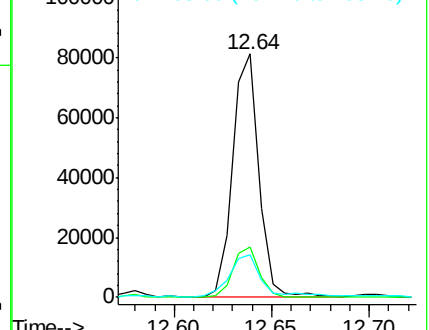
203 17.6 14.4 21.6



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: 48.01 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

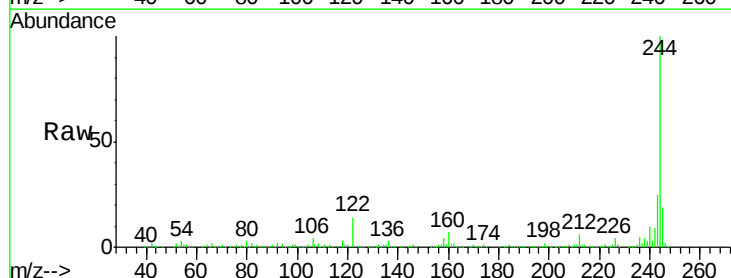
Tgt Ion:244 Resp: 534299

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

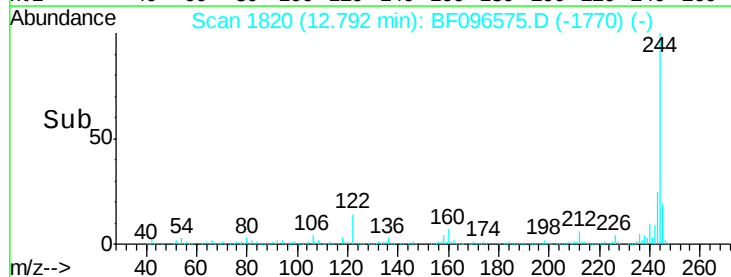
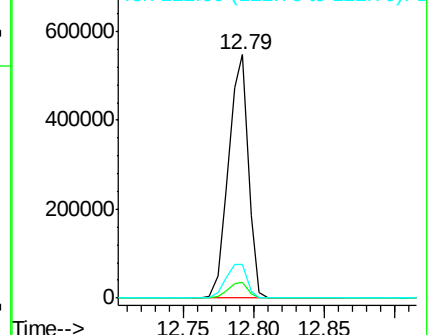
122 14.0 10.3 15.5

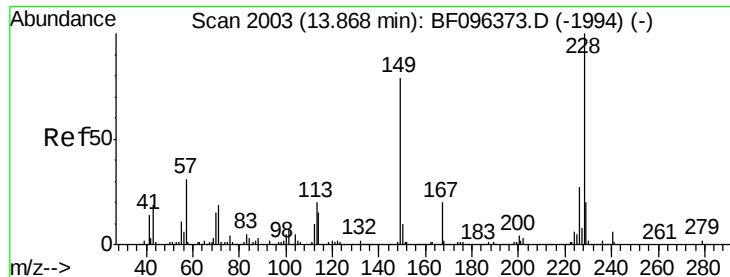


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.46 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.02 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

Instrument :

BNA_F

ClientSampleId :

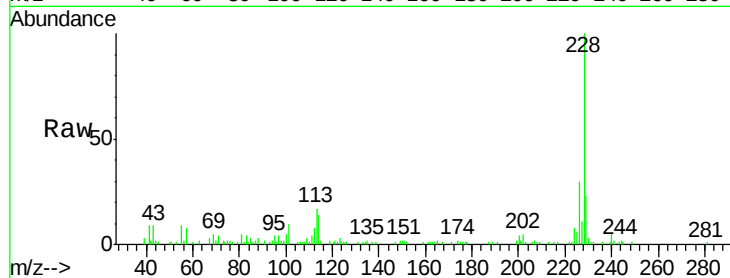
Tot Ion:228 Resp: 33894

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

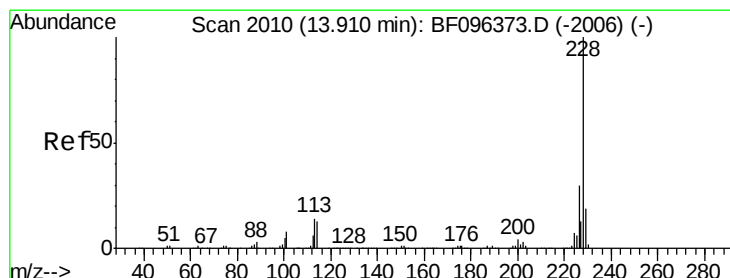
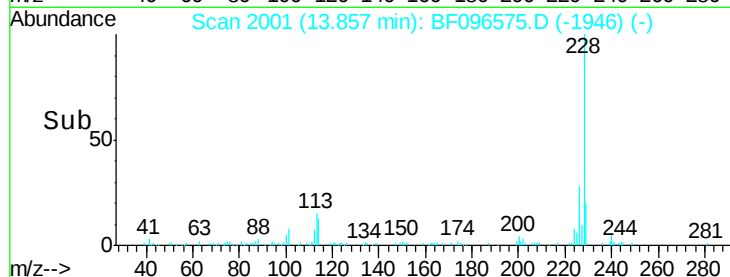
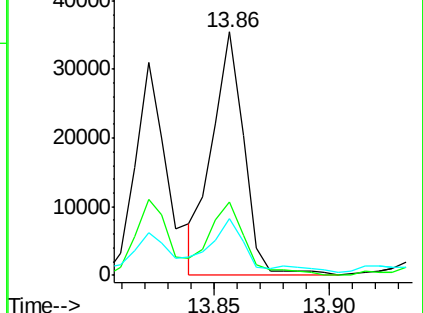
229 23.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.35 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096575.D

Acq: 7 Jul 2017 22:44

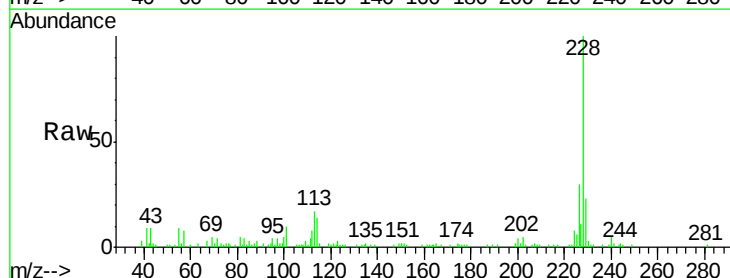
Tgt Ion:228 Resp: 33894

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

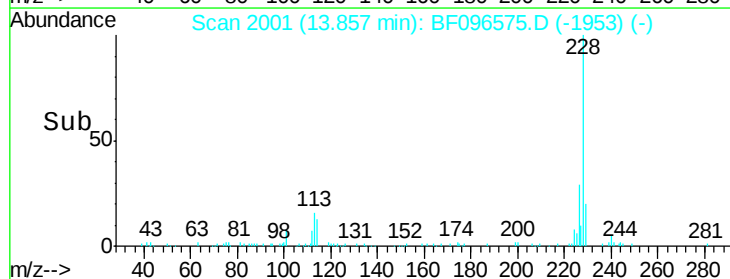
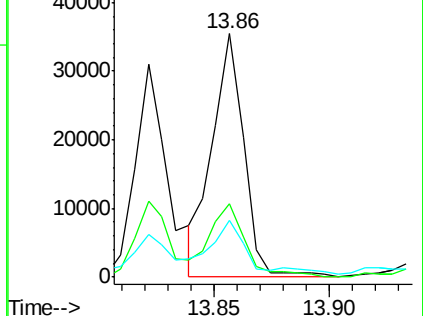
229 23.4 15.8 23.6

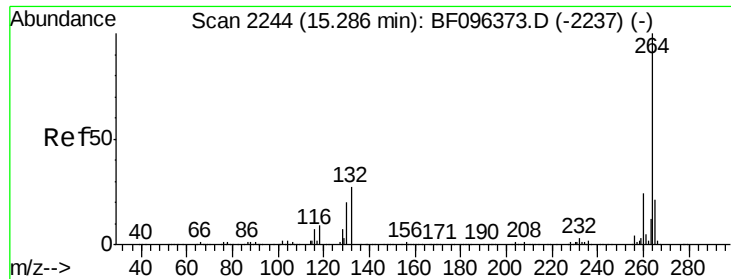


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

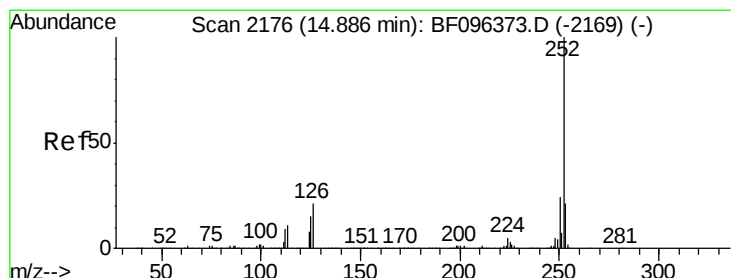
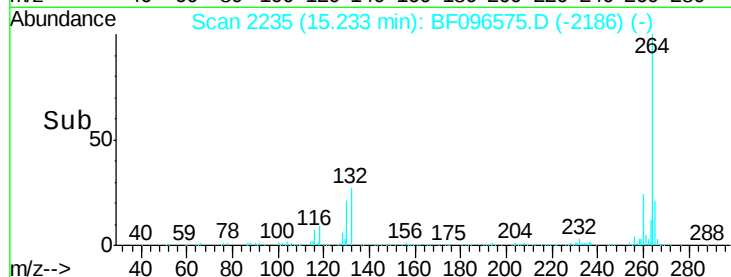
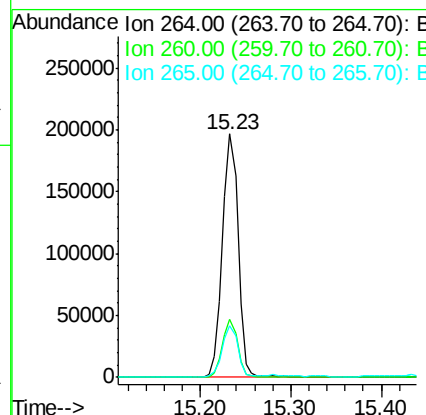
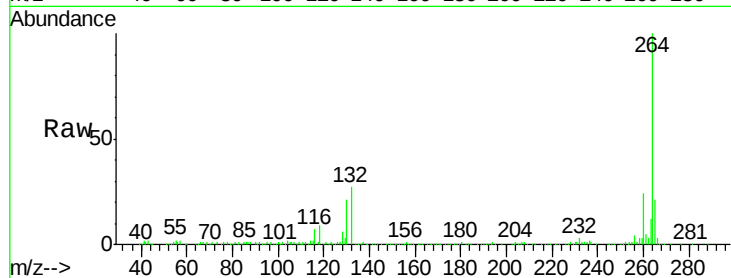




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

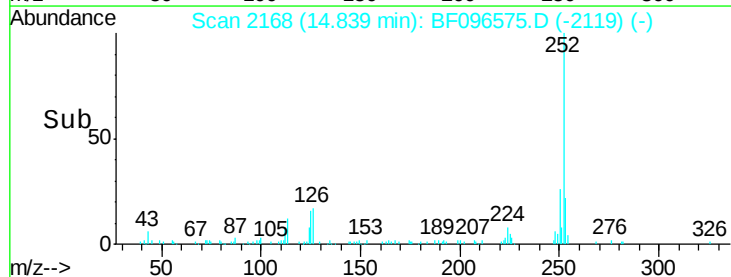
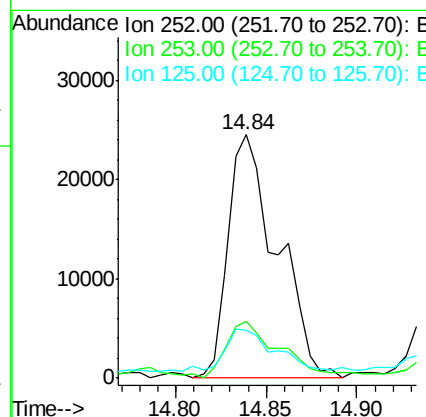
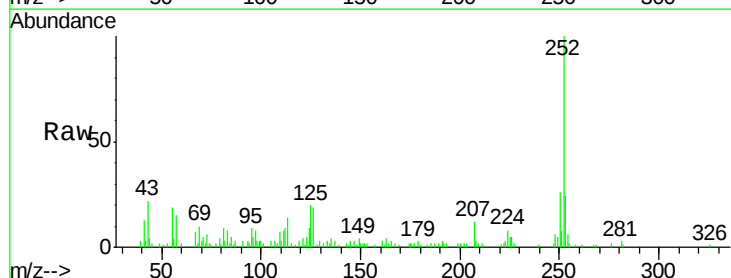
Instrument :
BNA_F
ClientSampled :

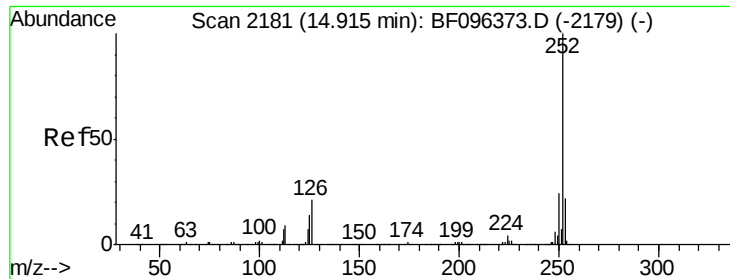
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.10 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	19.7	9.8	14.8#

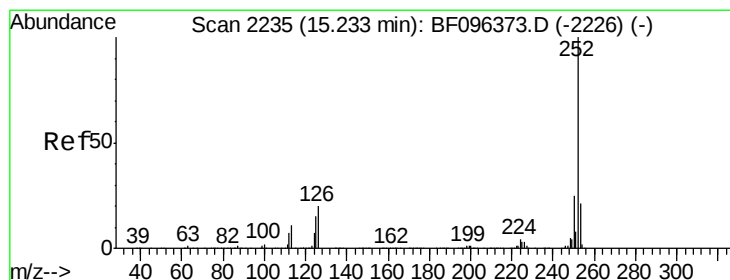
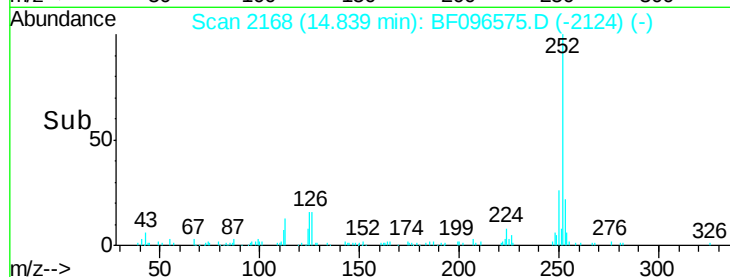
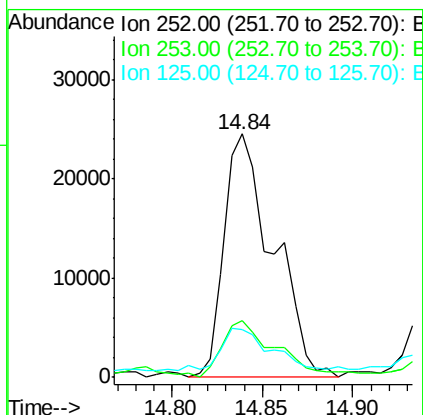
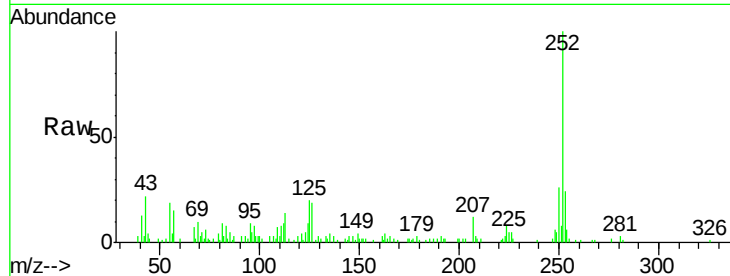




#88
Benzo(k)fluoranthene
Concen: 3.47 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	19.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.15 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF096575.D
Acq: 7 Jul 2017 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	19.0	11.0	16.4

