

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096579.D
 Acq On : 8 Jul 2017 00:36
 Operator : SJ/MA
 Sample : I4072-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 08 01:05:57 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

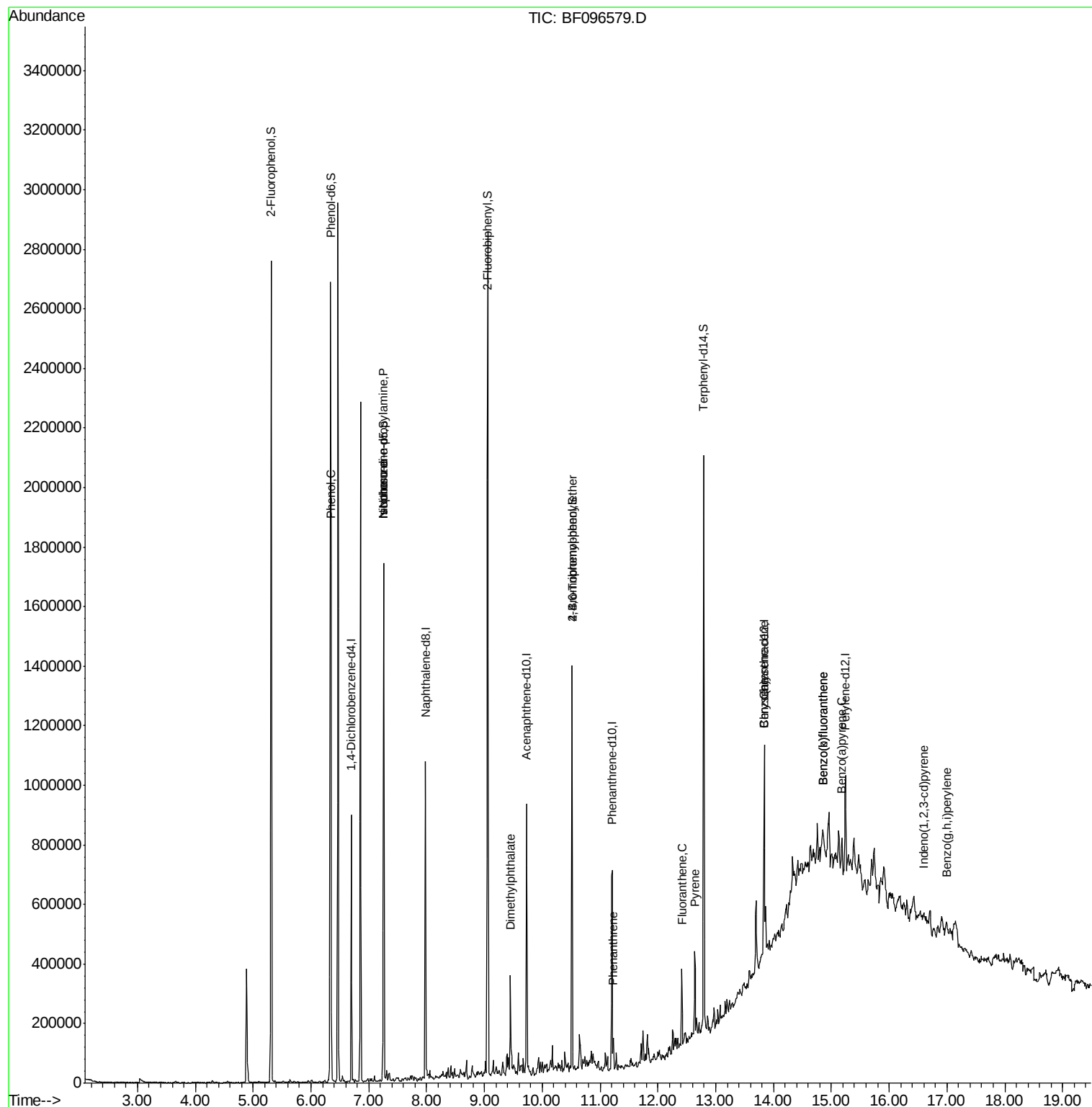
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	119061	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	459962	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	173928	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	251899	20.00	ng	0.00
75) Chrysene-d12	13.84	240	219760	20.00	ng	0.00
86) Perylene-d12	15.24	264	156107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	814596	100.98	ng	0.00
7) Phenol-d6	6.34	99	982853	99.11	ng	0.00
23) Nitrobenzene-d5	7.26	82	564701	73.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	149594	110.11	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	879488	86.46	ng	0.00
78) Terphenyl-d14	12.79	244	637201	61.96	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.35	94	32400	2.87	ng	89
19) n-Nitroso-di-n-propylamine	7.26	70	76286	12.91	ng	# 87
25) Isophorone	7.26	82	559746	37.72	ng	# 67
49) Dimethylphthalate	9.45	163	118290	9.11	ng	99
66) 4-Bromophenyl-phenylether	10.52	248	9705	3.96	ng	# 1
70) Phenanthrene	11.23	178	46028	3.38	ng	97
74) Fluoranthene	12.42	202	93979	7.04	ng	100
77) Pyrene	12.64	202	112636	6.39	ng	98
80) Benzo(a)anthracene	13.83	228	48978	3.85	ng	# 88
82) Chrysene	13.83	228	48978	3.68	ng	91
85) Indeno(1,2,3-cd)pyrene	16.59	276	22555	2.14	ng	# 93
87) Benzo(b)fluoranthene	14.85	252	75360	7.70	ng	# 77
88) Benzo(k)fluoranthene	14.85	252	75360	8.61	ng	# 82
89) Benzo(a)pyrene	15.19	252	43038	4.93	ng	# 85
91) Benzo(a,h,i)perylene	17.00	276	25073	3.52	ng	# 89

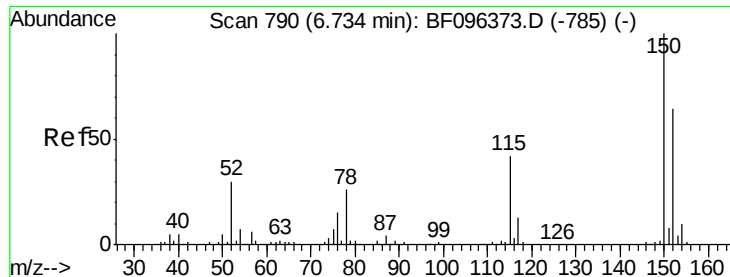
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096579.D

Acq: 8 Jul 2017 00:36

Instrument :

BNA_F

ClientSampleId :

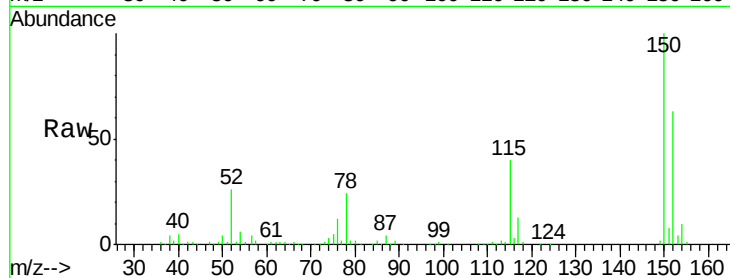
Tot Ion:152 Resp: 119061

Ion Ratio Lower Upper

152 100

150 158.8 126.2 189.2

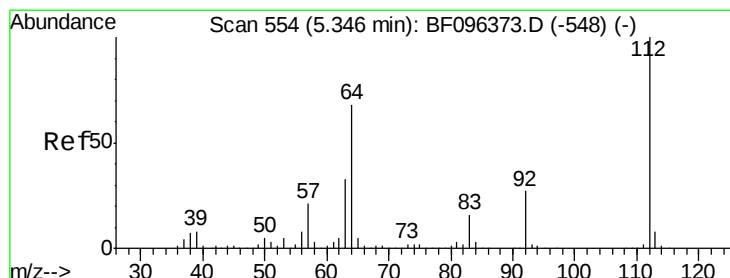
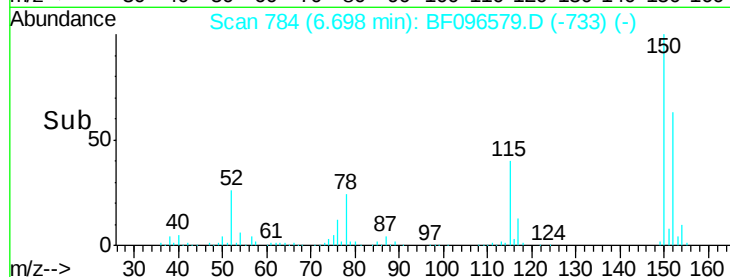
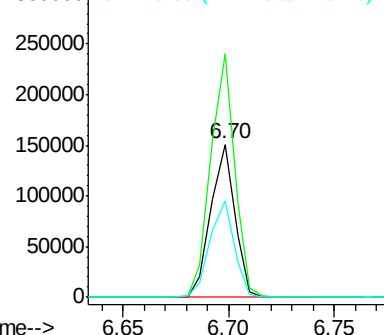
115 63.3 52.2 78.2



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: 100.98 ng

RT: 5.31 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF096579.D

Acq: 8 Jul 2017 00:36

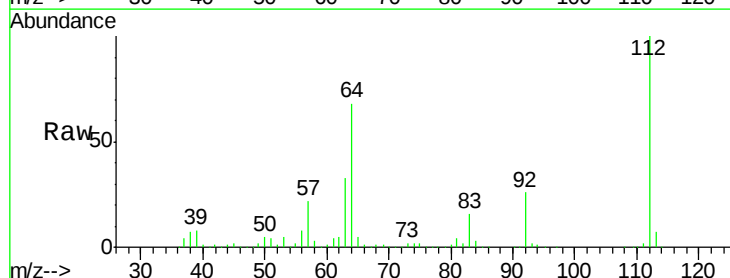
Tgt Ion:112 Resp: 814596

Ion Ratio Lower Upper

112 100

64 67.6 46.0 69.0

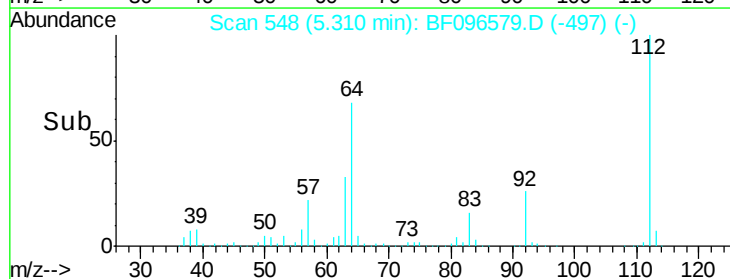
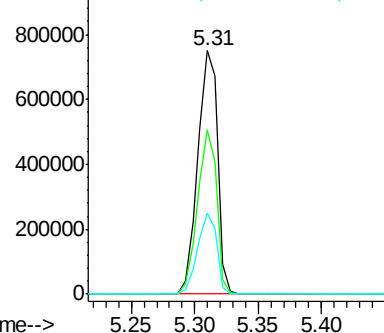
63 33.4 23.4 35.0



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: 99.11 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096579.D

Acq: 8 Jul 2017 00:36

Instrument :

BNA_F

ClientSampleId :

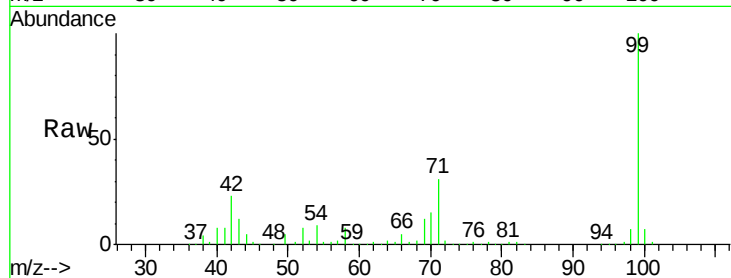
Tot Ion: 99 Resp: 982853

Ion Ratio Lower Upper

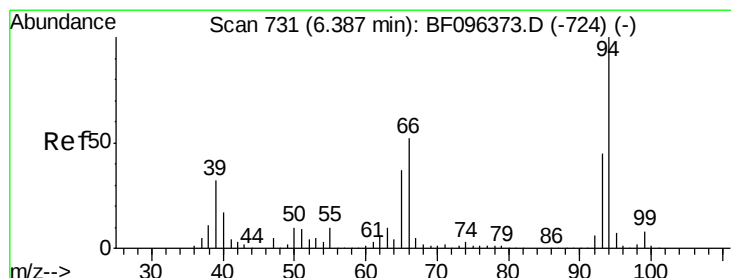
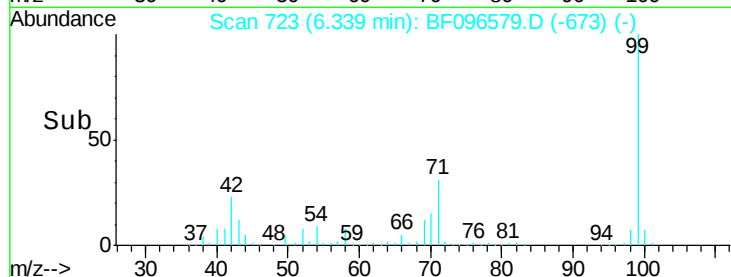
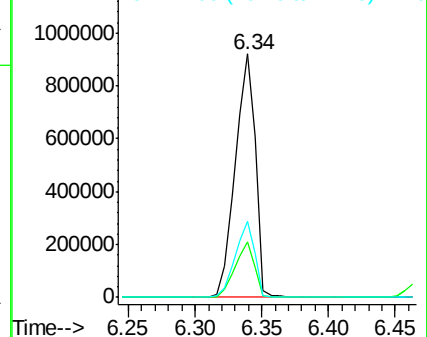
99 100

42 22.8 13.5 20.3#

71 31.1 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# 725

Delta R.T. -0.01 min

Lab File: BF096579.D

Acq: 8 Jul 2017 00:36

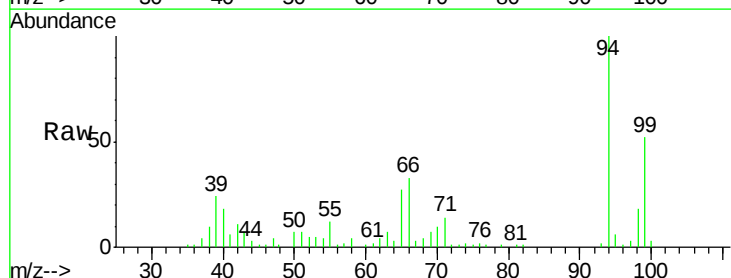
Tgt Ion: 94 Resp: 32400

Ion Ratio Lower Upper

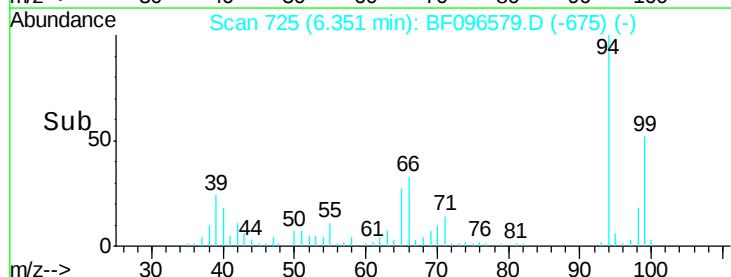
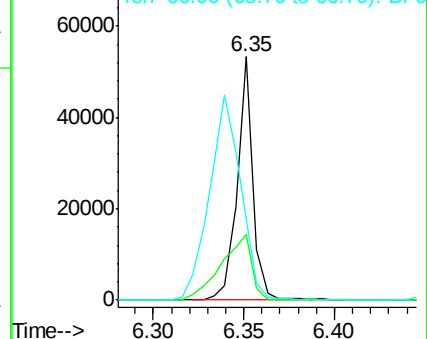
94 100

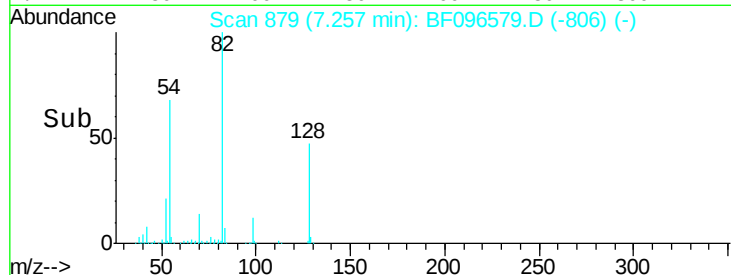
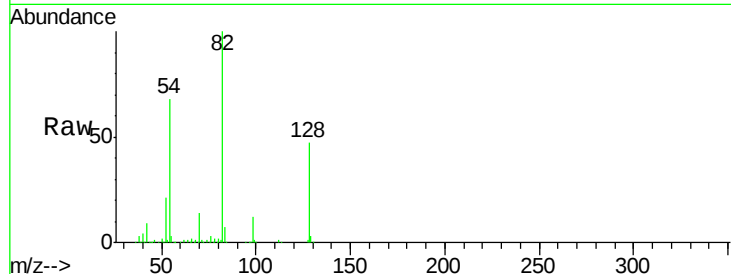
65 27.1 9.9 49.9

66 33.4 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

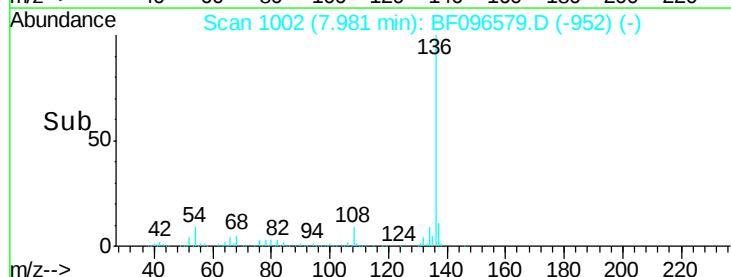
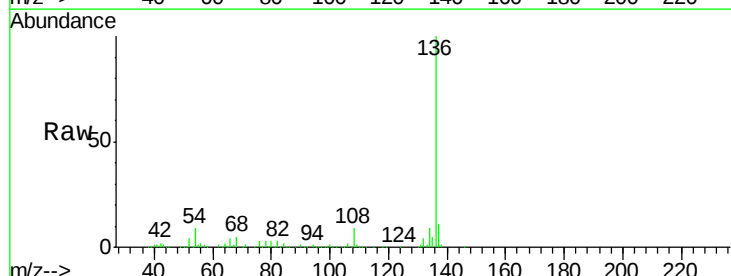
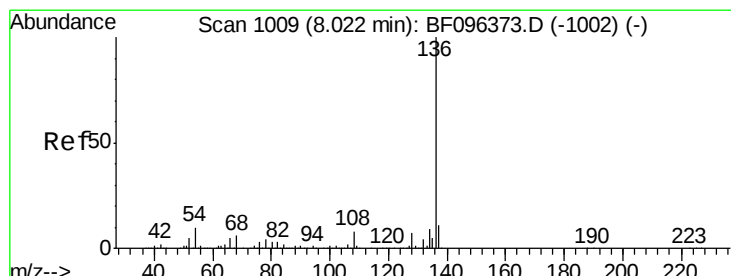
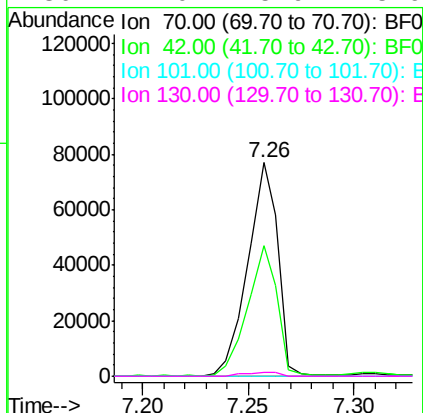




#19
n-Nitroso-di-n-propylamine
Concen: 12.91 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

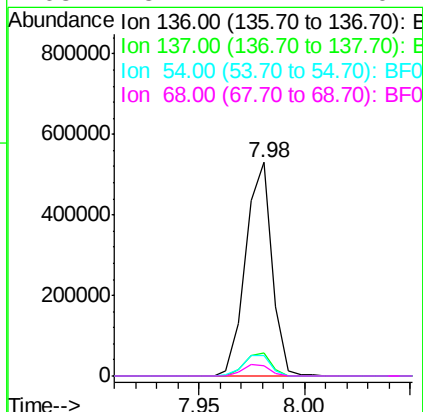
Instrument :
BNA_F
ClientSampleId :

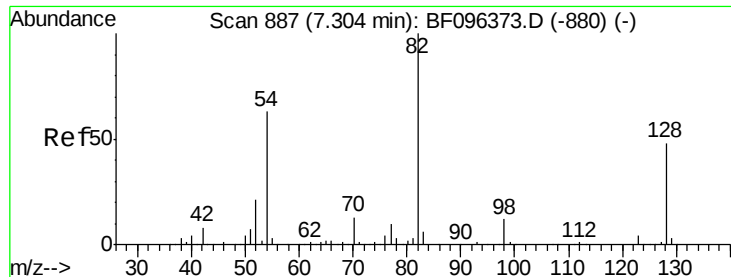
Tot Ion:	70	Resp:	76286
Ion	Ratio	Lower	Upper
70	100		
42	61.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion:	136	Resp:	459962
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.3	4.9	7.3#
68	5.1	4.1	6.1

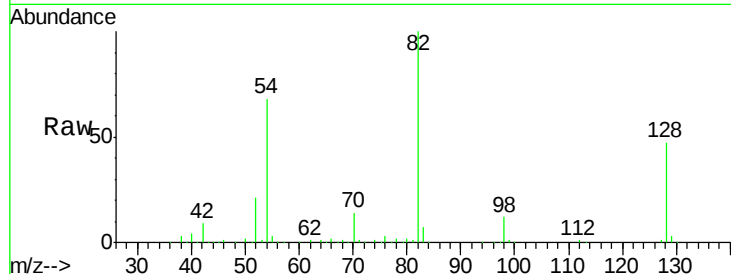




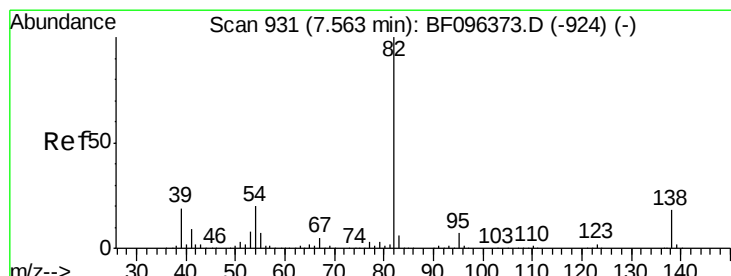
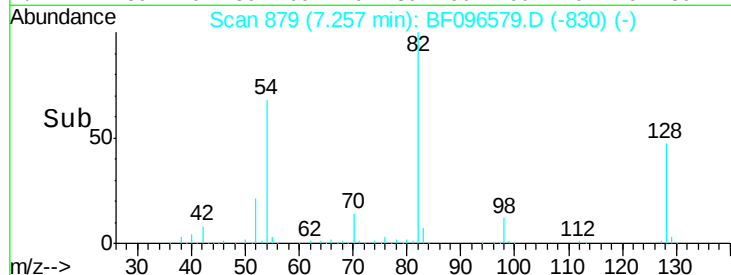
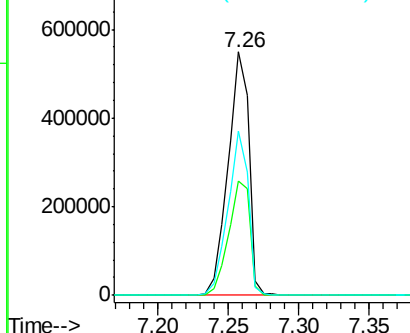
#23
Nitrobenzene-d5
Concen: 73.77 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 564701
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 67.7 42.2 63.2#

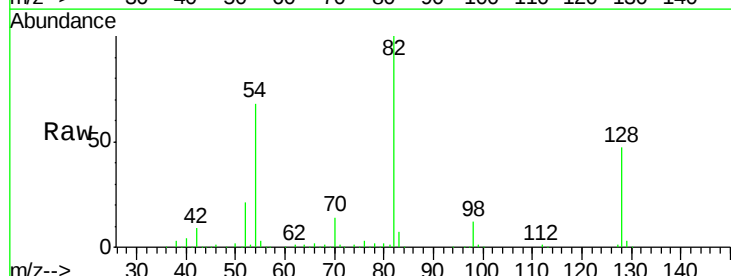


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

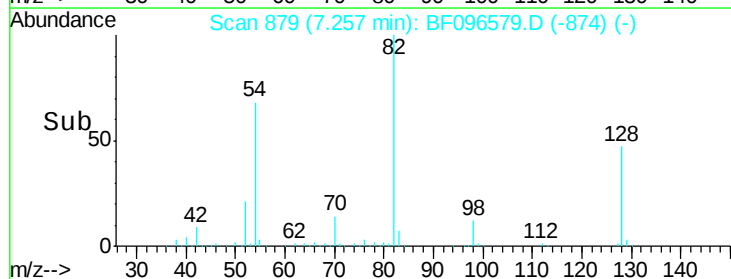
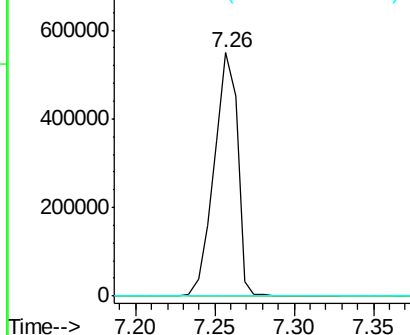


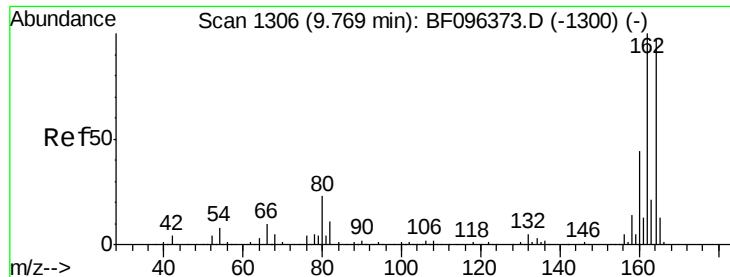
#25
Isophorone
Concen: 37.72 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.27 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion: 82 Resp: 559746
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

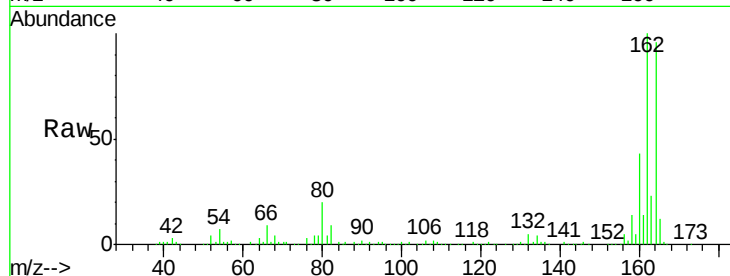




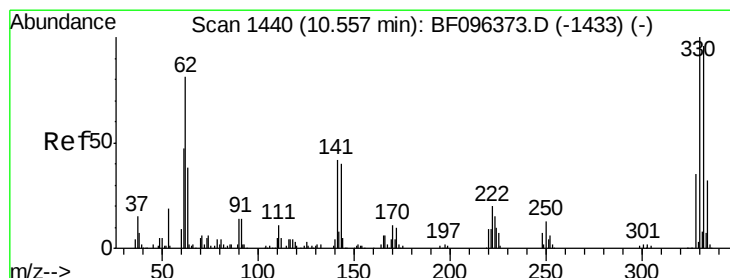
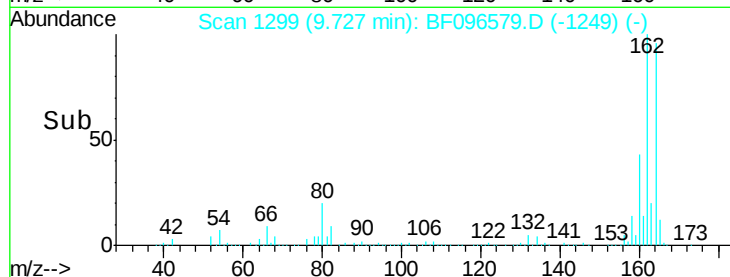
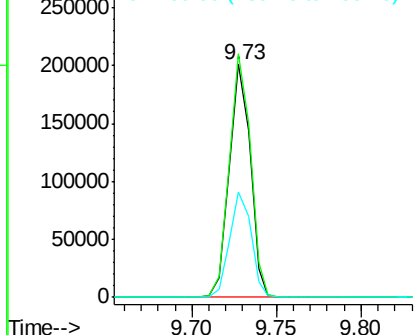
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 173928
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.6 123.8
 160 45.1 36.2 54.2

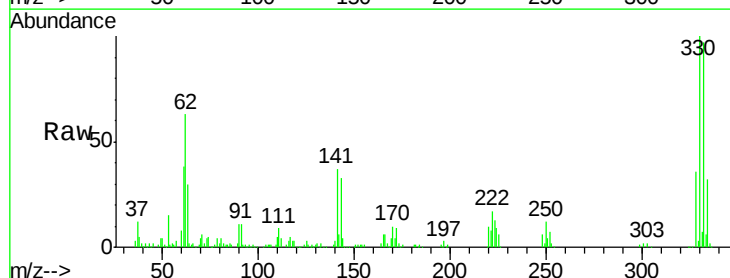


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

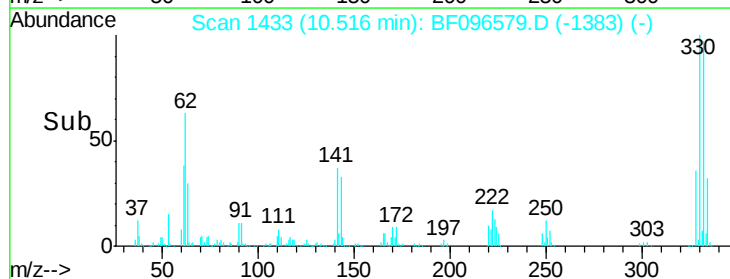
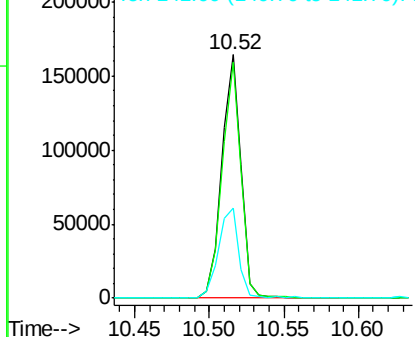


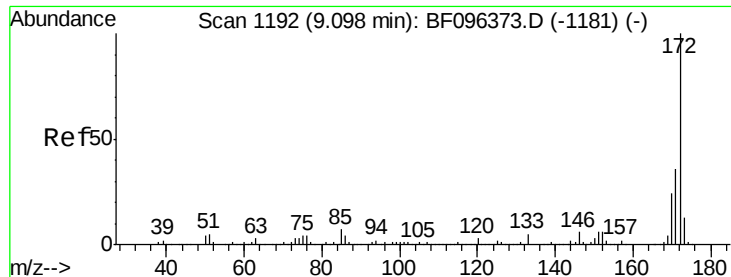
#41
 2,4,6-Tribromophenol
 Concen: 110.11 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

Tgt Ion:330 Resp: 149594
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 40.0 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

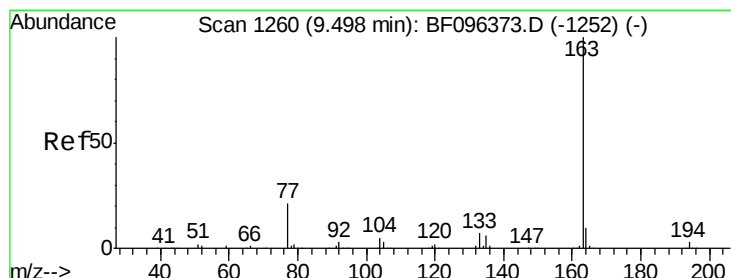
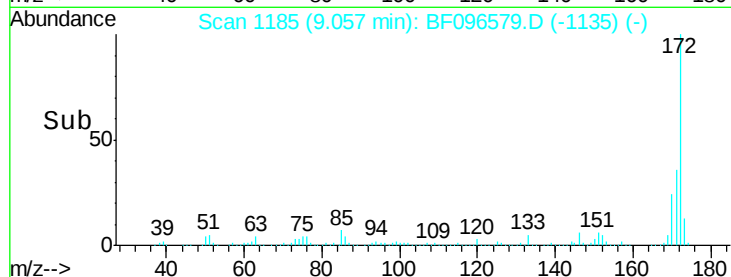
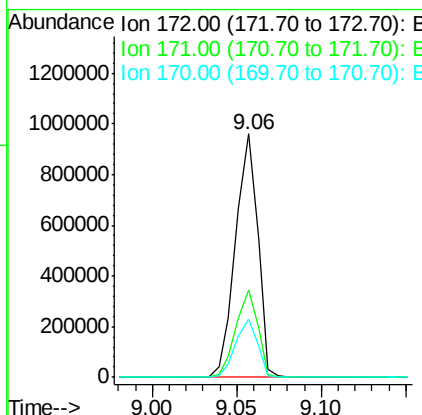
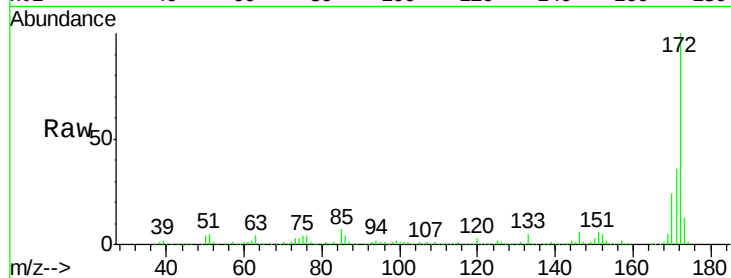




#44
 2-Fluorobiphenyl
 Concen: 86.46 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

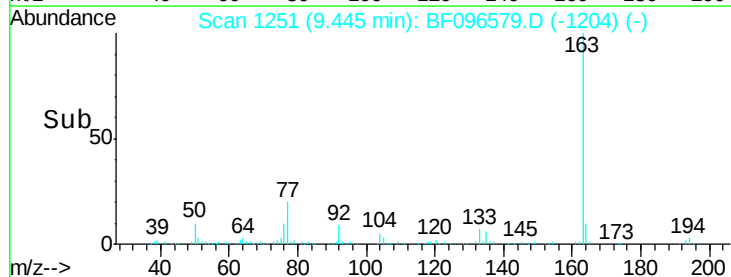
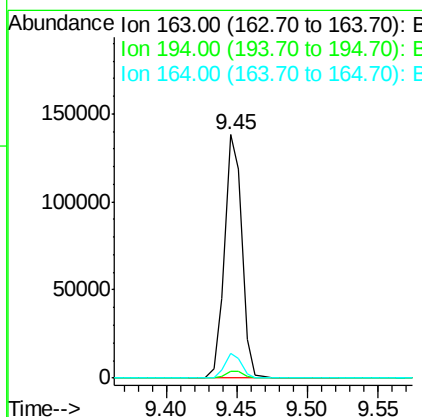
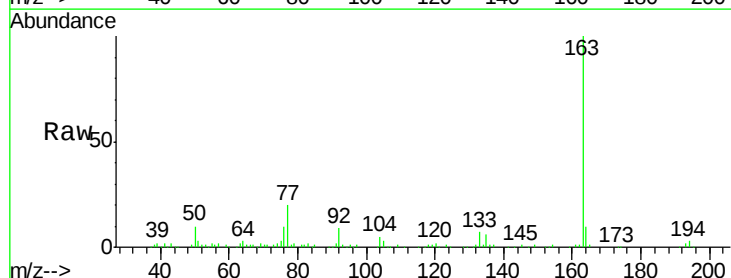
Instrument :
 BNA_F
 ClientSampleId :

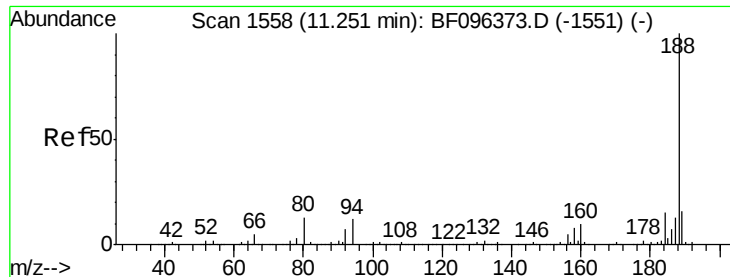
Tot Ion:172 Resp: 879488
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.8 19.8 29.8



#49
 Dimethylphthalate
 Concen: 9.11 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

Tgt Ion:163 Resp: 118290
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.3 8.4 12.6

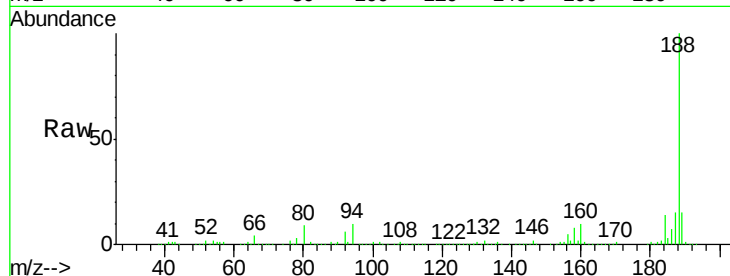




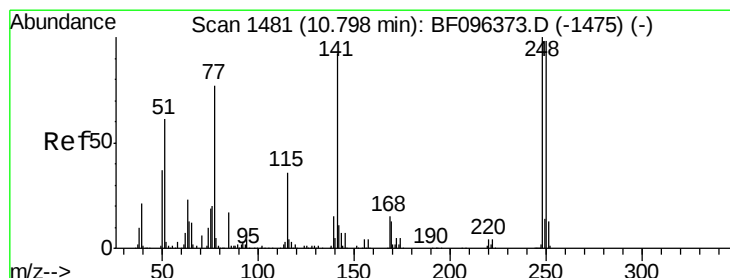
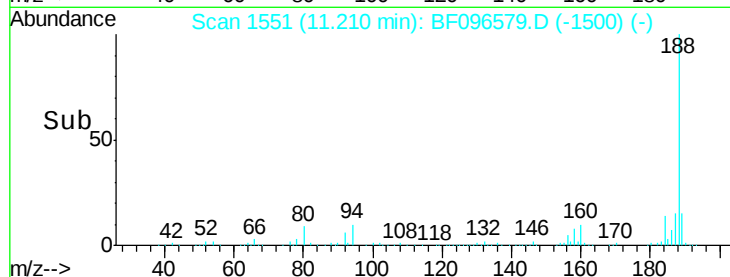
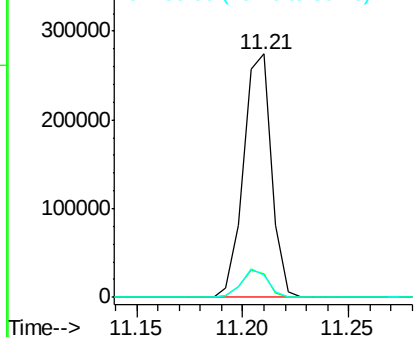
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.00 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 251899
Ion Ratio Lower Upper
188 100
94 9.5 9.4 14.2
80 9.2 10.2 15.2#

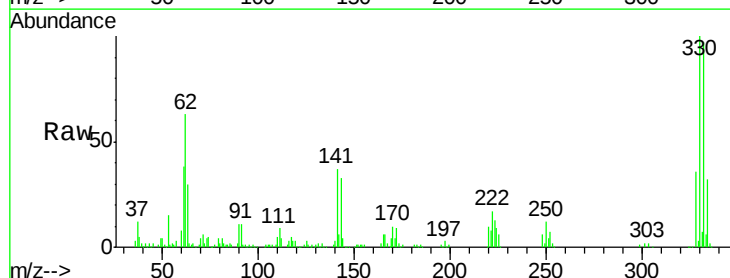


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

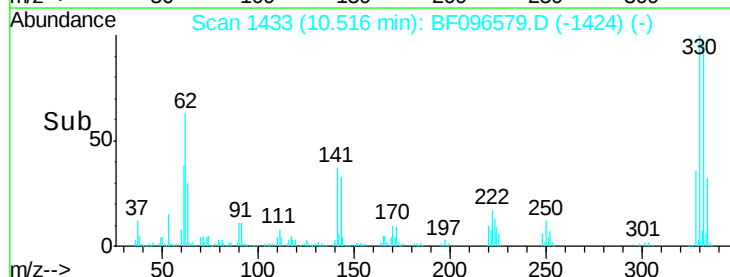
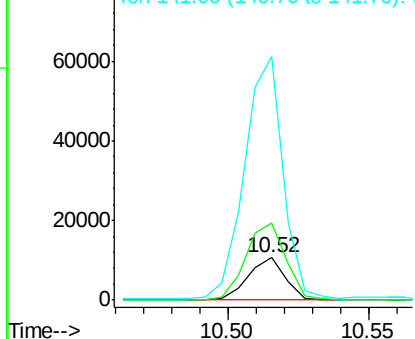


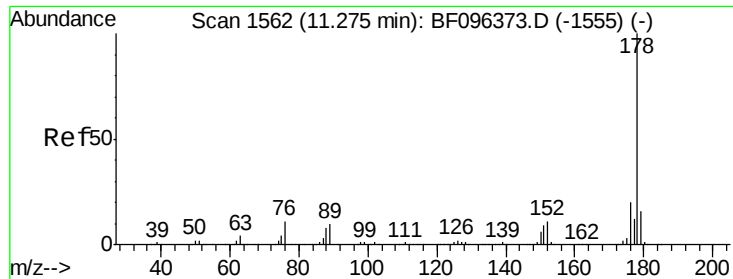
#66
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion:248 Resp: 9705
Ion Ratio Lower Upper
248 100
250 180.6 76.8 115.2#
141 572.3 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

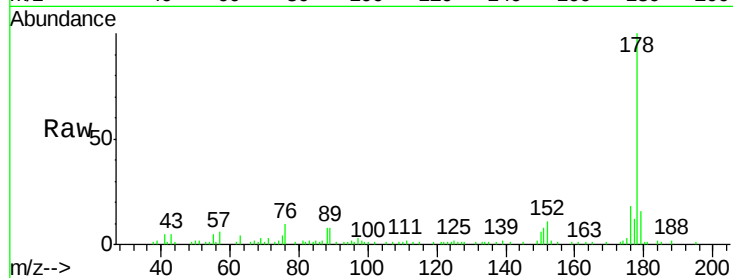




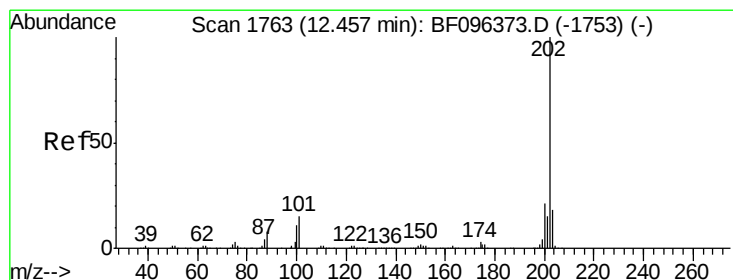
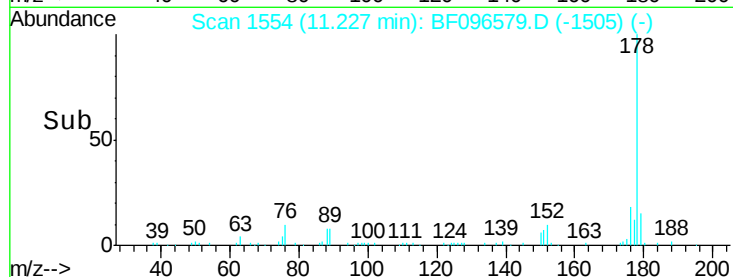
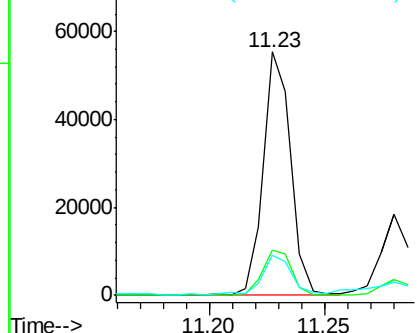
#70
Phenanthrene
Concen: 3.38 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 46028
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 16.4 12.6 19.0

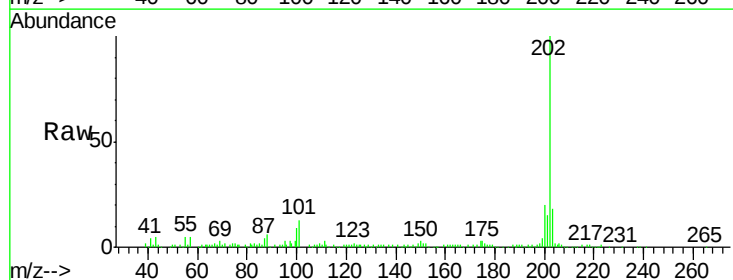


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

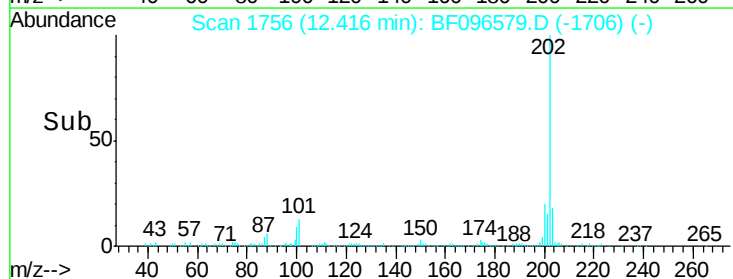
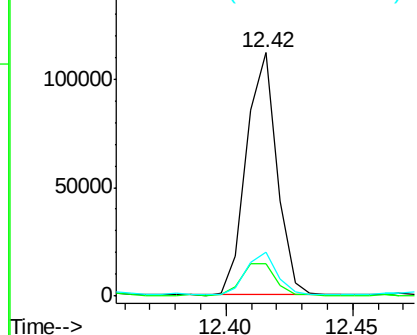


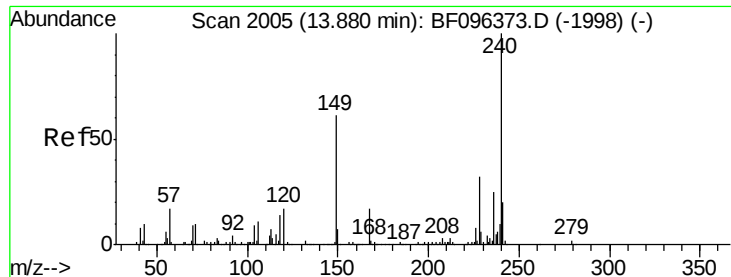
#74
Fluoranthene
Concen: 7.04 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion:202 Resp: 93979
Ion Ratio Lower Upper
202 100
101 13.1 0.0 33.2
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF096579.D

Acq: 8 Jul 2017 00:36

Instrument :

BNA_F

ClientSampleId :

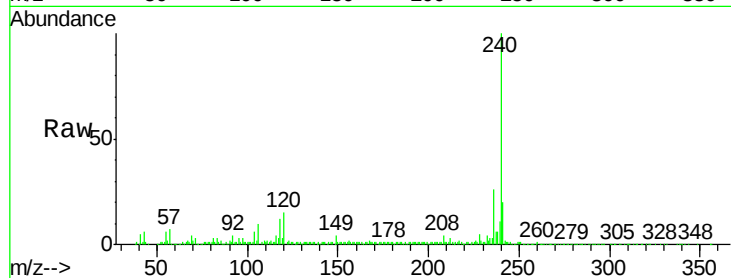
Tot Ion:240 Resp: 219760

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

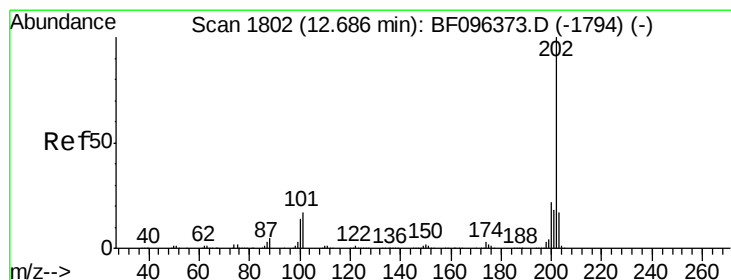
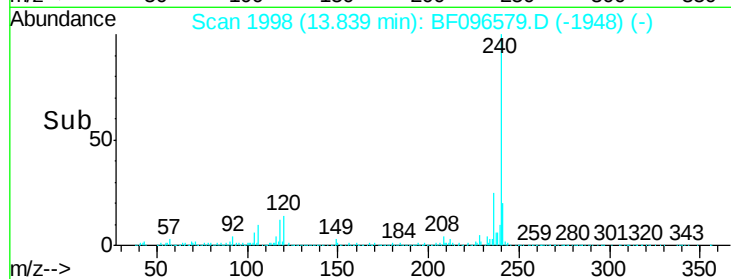
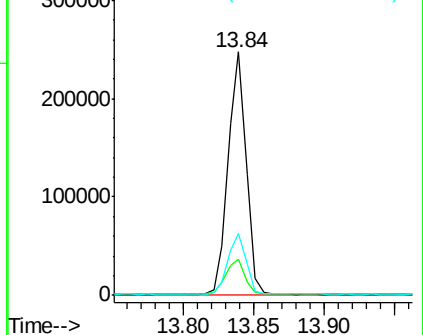
236 25.6 20.5 30.7



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



#77

Pyrene

Concen: 6.39 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF096579.D

Acq: 8 Jul 2017 00:36

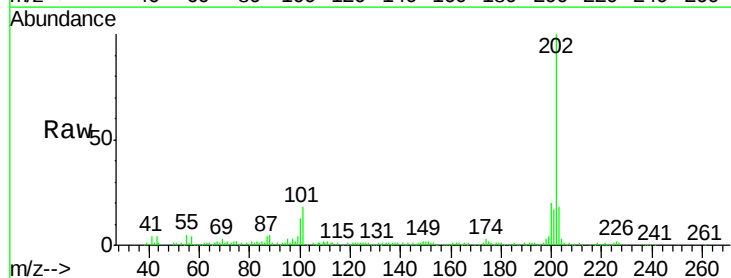
Tgt Ion:202 Resp: 112636

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

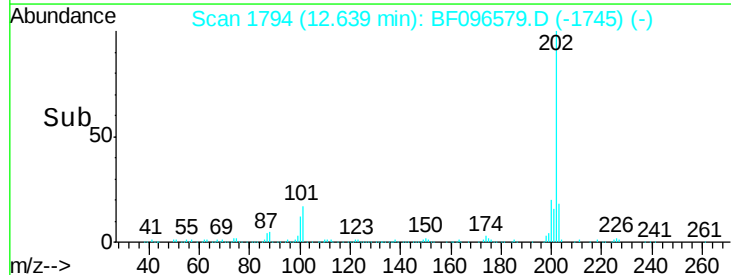
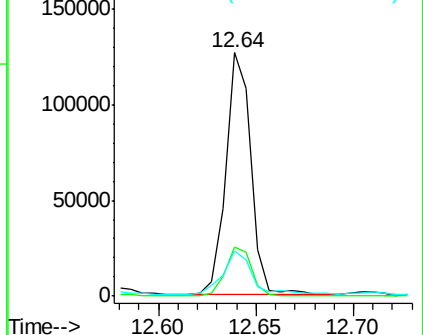
203 18.5 14.4 21.6

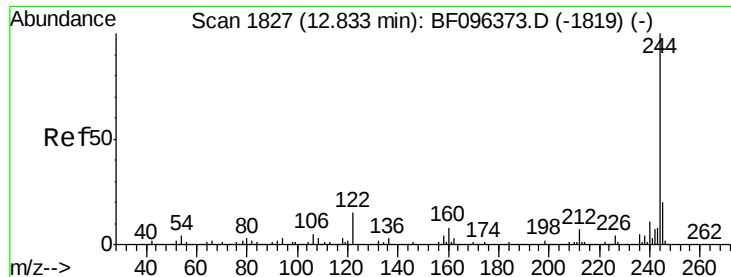


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

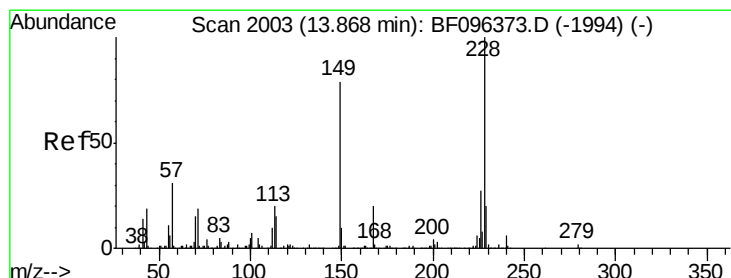
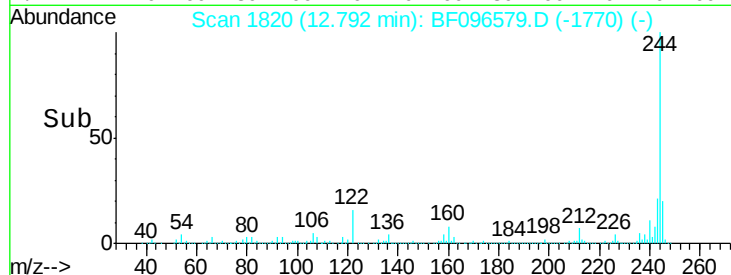
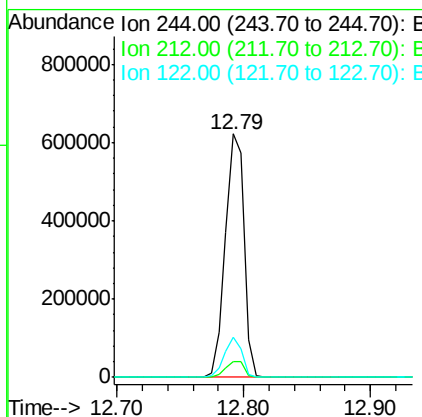
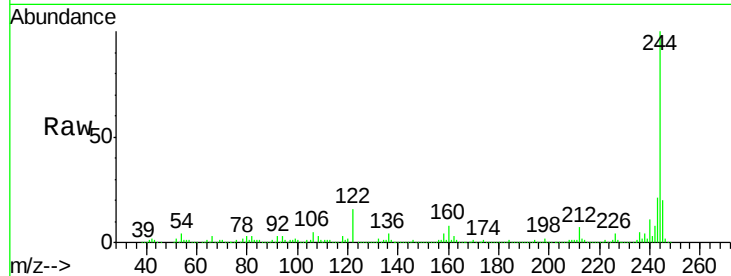




#78
 Terphenyl-d14
 Concen: 61.96 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

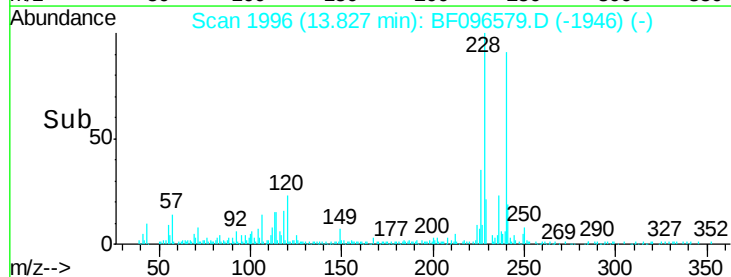
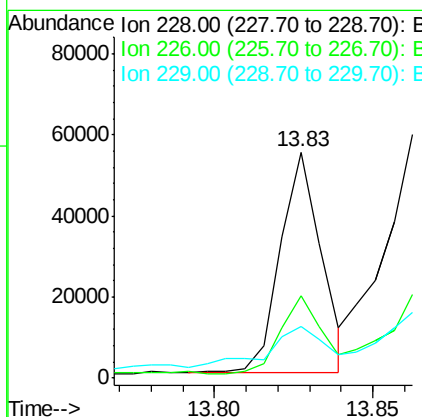
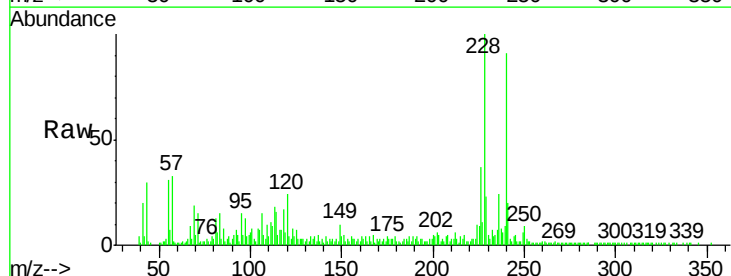
Instrument :
 BNA_F
 ClientSampleId :

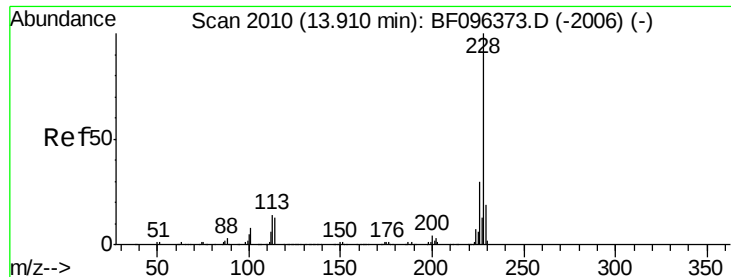
Tot Ion:244 Resp: 637201
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 16.4 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 3.85 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

Tgt Ion:228 Resp: 48978
 Ion Ratio Lower Upper
 228 100
 226 36.5 22.6 33.8#
 229 23.1 16.3 24.5

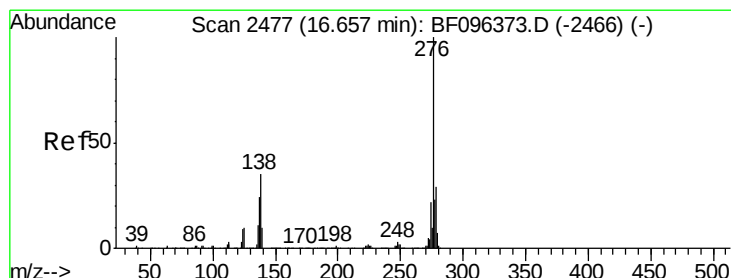
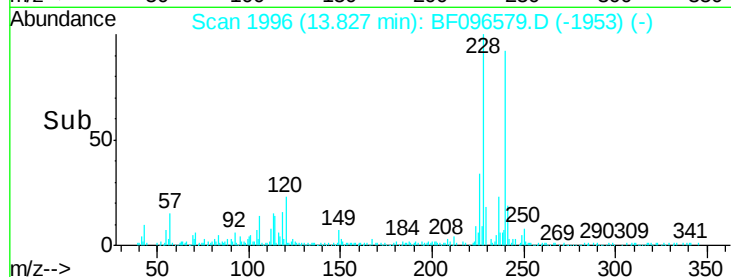
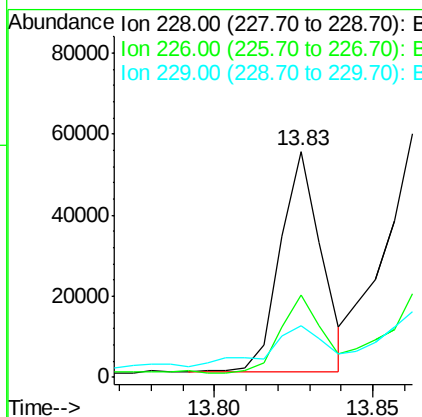
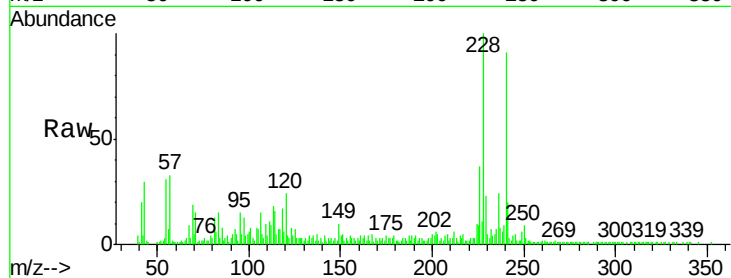




#82
Chrysene
Concen: 3.68 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

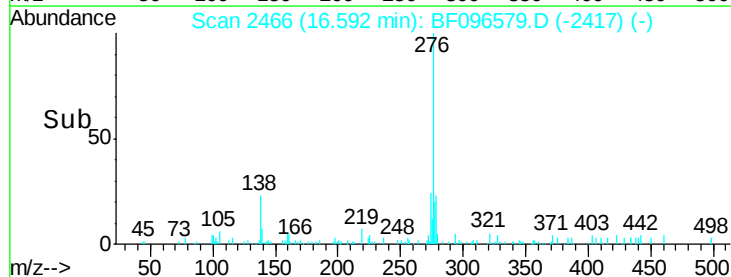
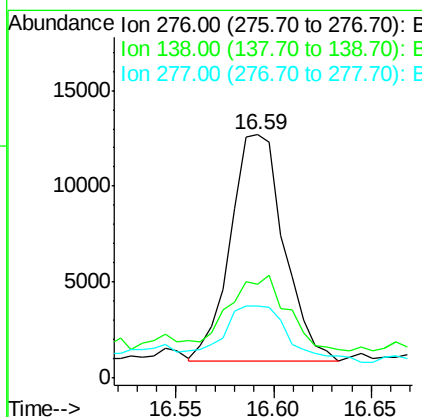
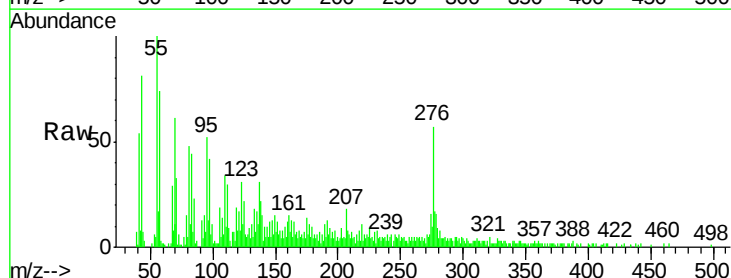
Instrument :
BNA_F
ClientSampleId :

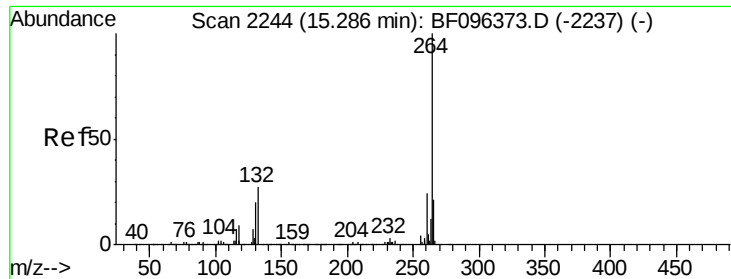
Tot Ion:228 Resp: 48978
Ion Ratio Lower Upper
228 100
226 36.5 24.9 37.3
229 23.1 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.14 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion:276 Resp: 22555
Ion Ratio Lower Upper
276 100
138 37.0 27.8 41.6
277 30.7 20.2 30.4#

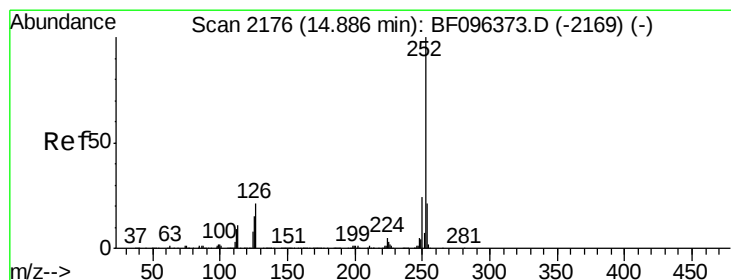
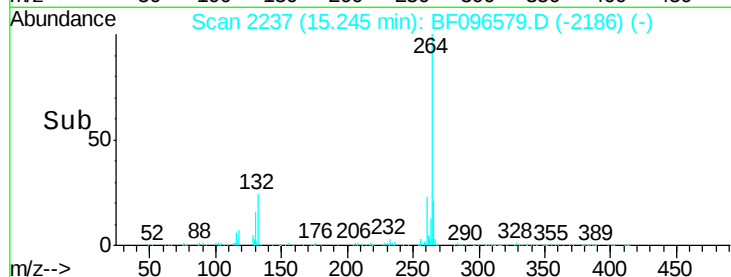
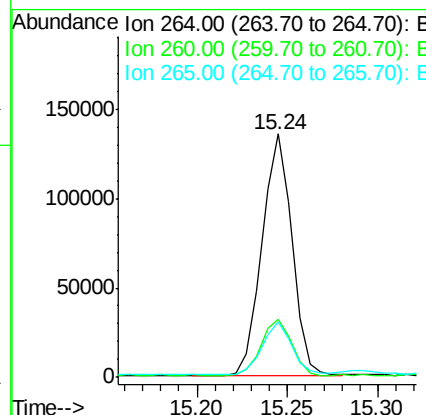
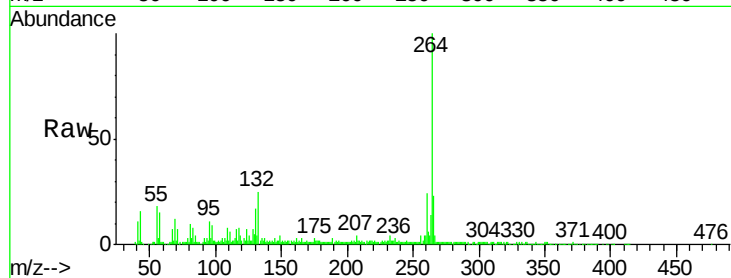




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

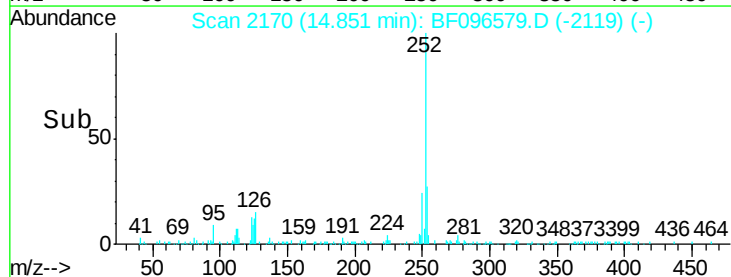
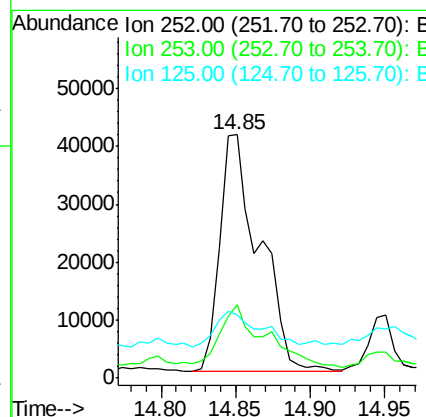
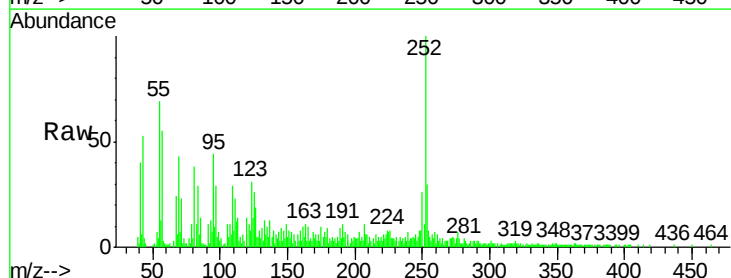
Instrument :
BNA_F
ClientSampleId :

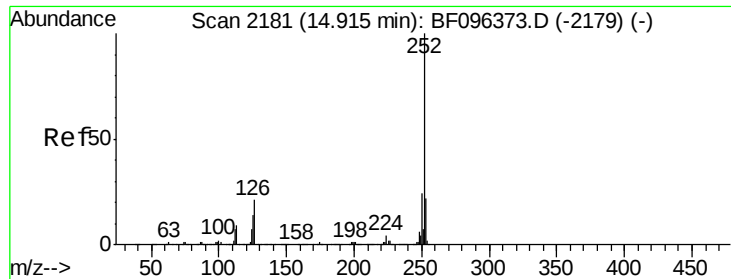
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 7.70 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.1	27.1#
125	26.1	9.8	14.8#

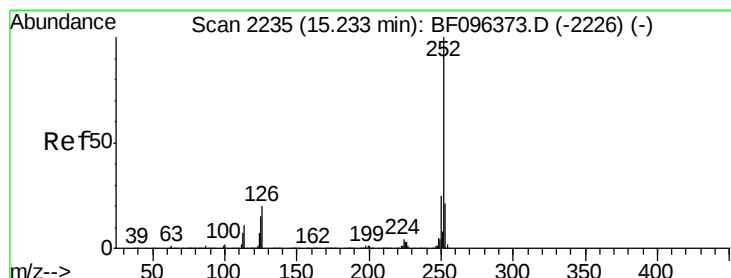
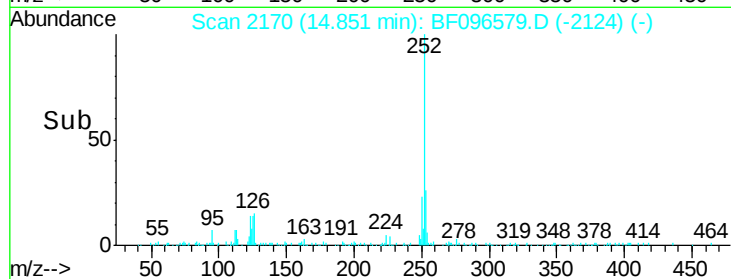
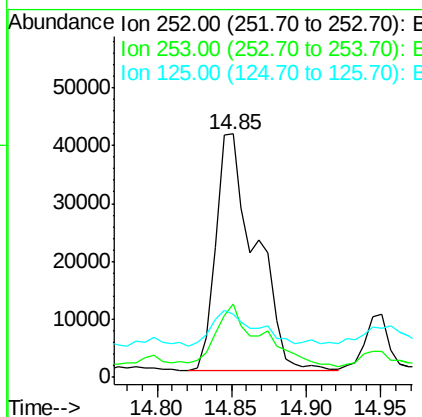
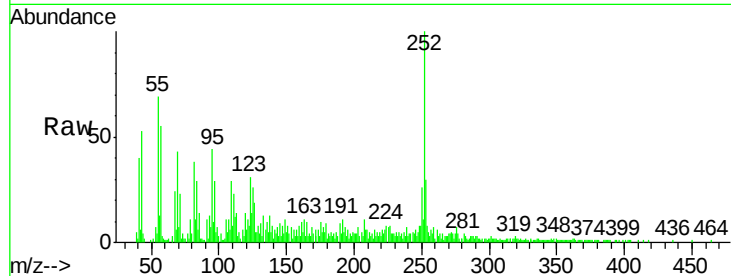




#88
Benzo(k)fluoranthene
Concen: 8.61 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

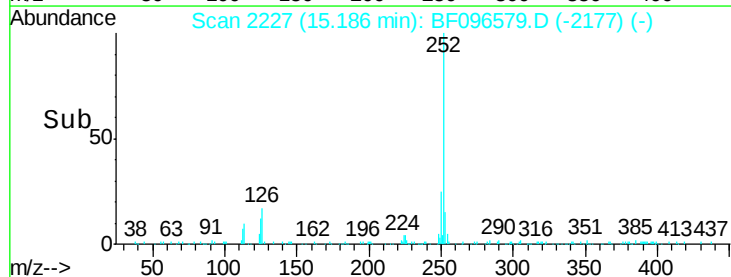
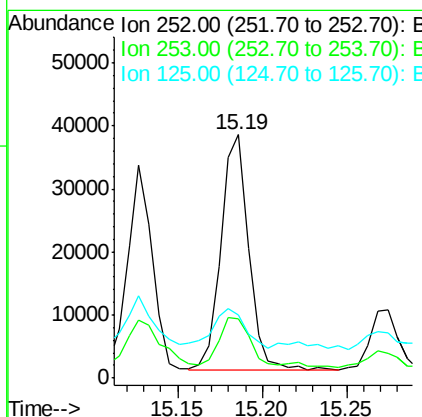
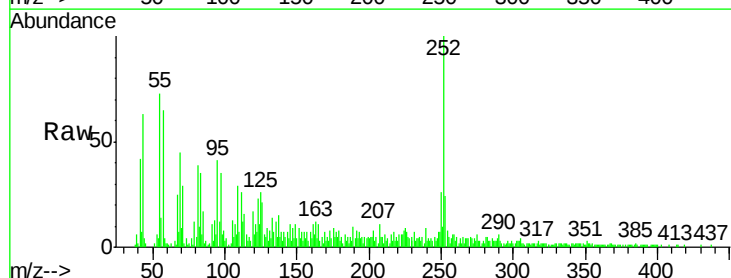
Instrument :
BNA_F
ClientSampleId :

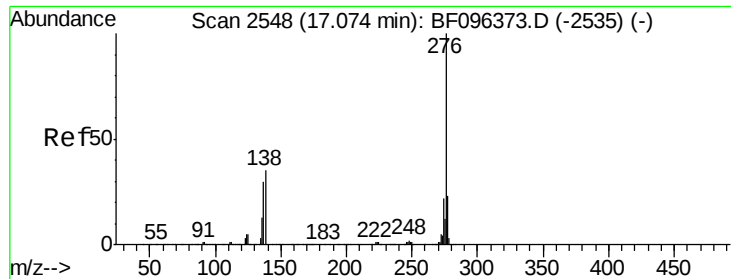
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.4	27.6#
125	26.1	13.1	19.7#



#89
Benzo(a)pyrene
Concen: 4.93 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF096579.D
Acq: 8 Jul 2017 00:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	26.0	11.0	16.4#

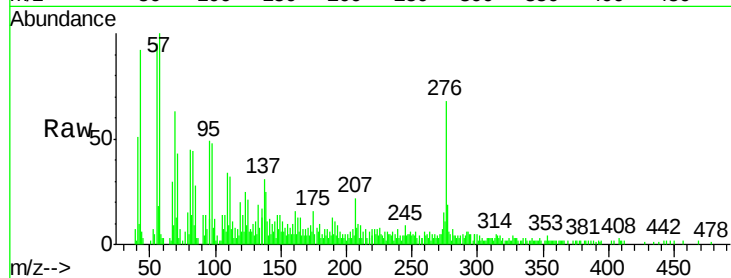




#91
 Benzo(a,h,i)perylene
 Concen: 3.52 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF096579.D
 Acq: 8 Jul 2017 00:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	18.6	28.0
138	37.5	25.4	38.0



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

