

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096573.D
 Acq On : 7 Jul 2017 21:48
 Operator : SJ/MA
 Sample : I4063-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 23:14:17 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	6.69	152	113641	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	506989	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	219342	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	348204	20.00	ng	0.00
75) Chrysene-d12	13.83	240	237865	20.00	ng	-0.01
86) Perylene-d12	15.23	264	238709	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	732908	95.19	ng	0.00
7) Phenol-d6	6.33	99	914994	96.67	ng	-0.01
23) Nitrobenzene-d5	7.26	82	563259	66.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	177782	103.76	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	971197	75.70	ng	0.00
78) Terphenyl-d14	12.79	244	662769	59.54	ng	0.00

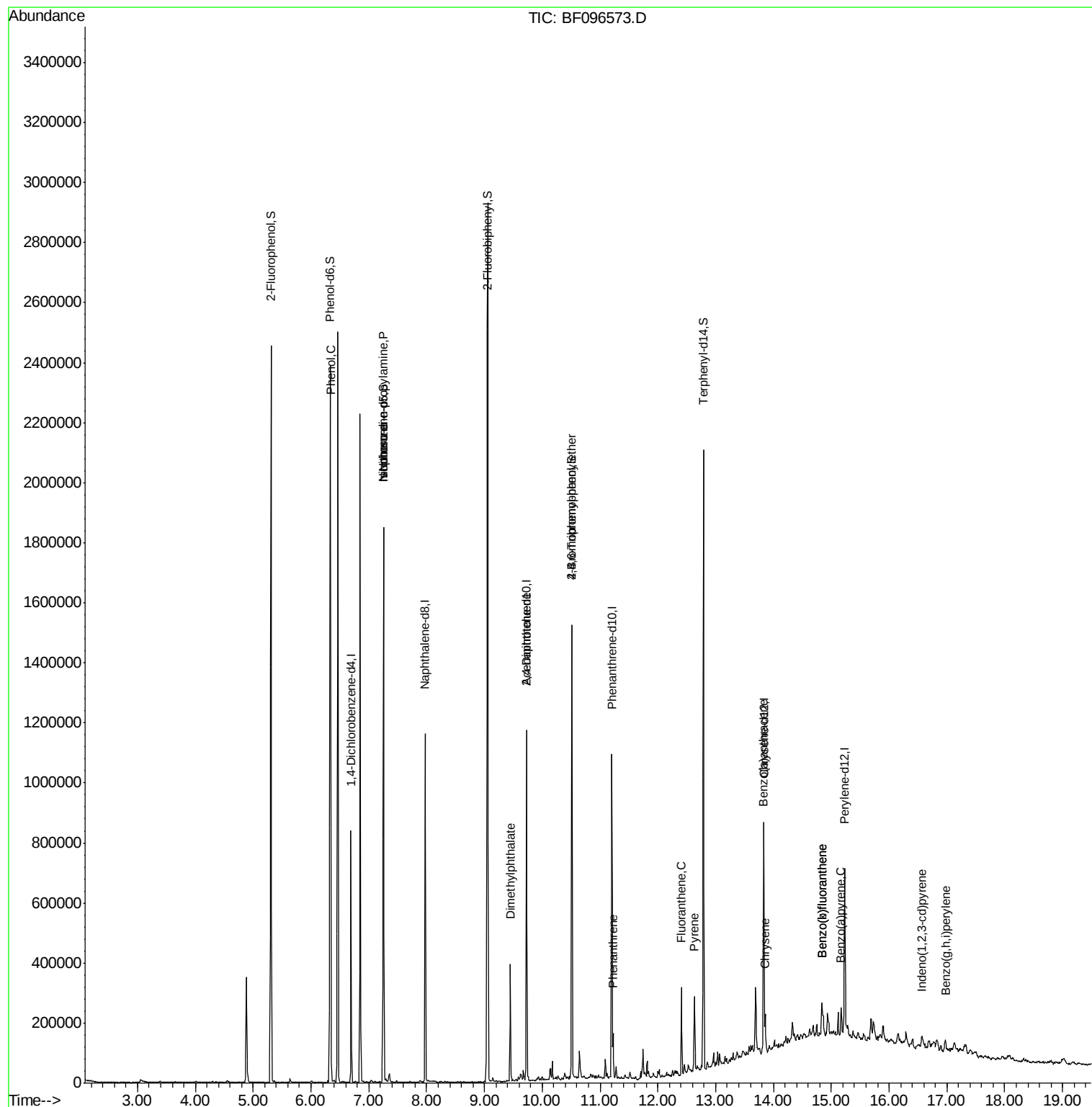
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.35	94	32390	3.00	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	76234	13.52	ng	# 87
25) Isophorone	7.26	82	559731	34.22	ng	# 67
49) Dimethylphthalate	9.45	163	133321	8.14	ng	98
56) 2,4-Dinitrotoluene	9.73	165	26841	5.85	ng	# 33
66) 4-Bromophenyl-phenylether	10.52	248	11776	3.47	ng	# 1
70) Phenanthrene	11.23	178	50430	2.68	ng	97
74) Fluoranthene	12.41	202	100620	5.45	ng	99
77) Pyrene	12.63	202	98894	5.18	ng	98
80) Benzo(a)anthracene	13.82	228	40161	2.92	ng	97
82) Chrysene	13.86	228	45956	3.19	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	24359	2.14	ng	96
87) Benzo(b)fluoranthene	14.84	252	79151	5.29	ng	# 90
88) Benzo(k)fluoranthene	14.84	252	79151	5.92	ng	95
89) Benzo(a)pyrene	15.17	252	42399	3.18	ng	# 95
91) Benzo(g,h,i)perylene	16.97	276	26017	2.39	ng	98

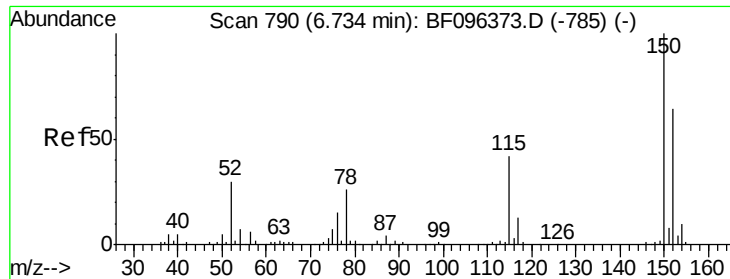
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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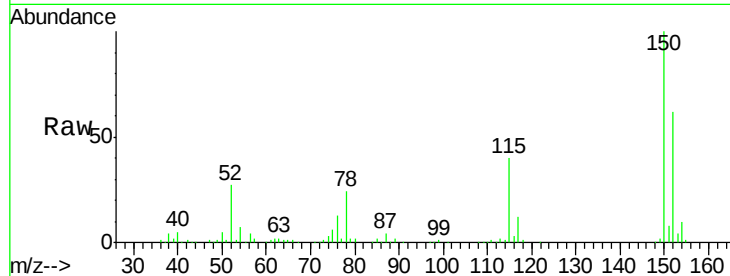


#1

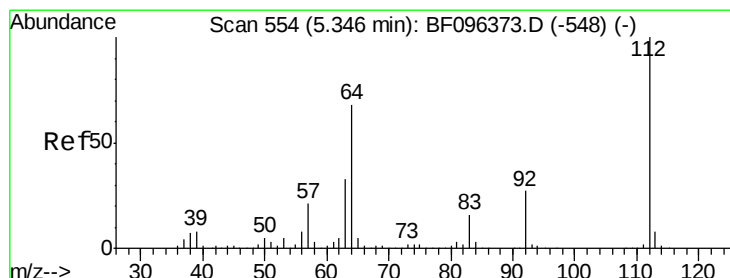
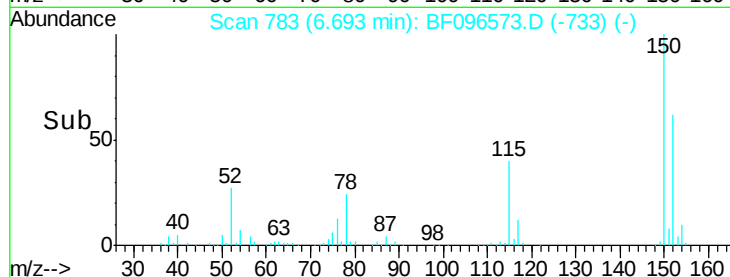
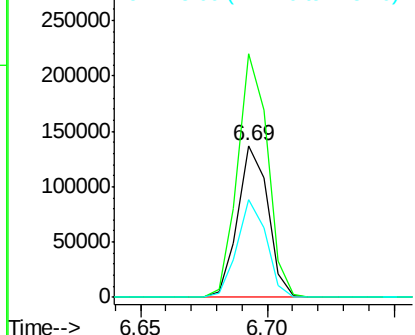
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113641
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 64.7 52.2 78.2



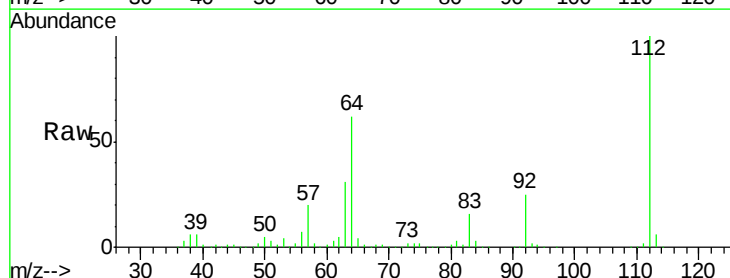
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



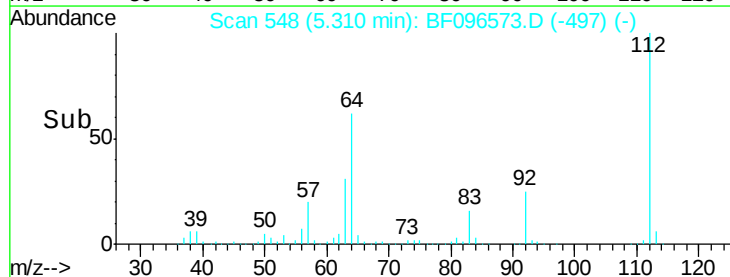
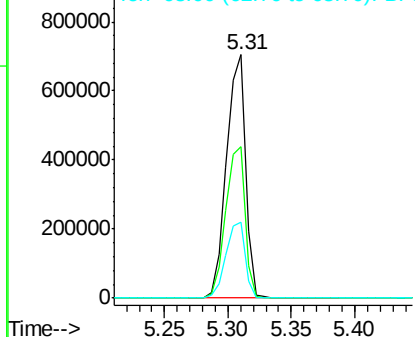
#5

2-Fluorophenol
Concen: 95.19 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Tgt Ion:112 Resp: 732908
Ion Ratio Lower Upper
112 100
64 62.4 46.0 69.0
63 31.0 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: 96.67 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

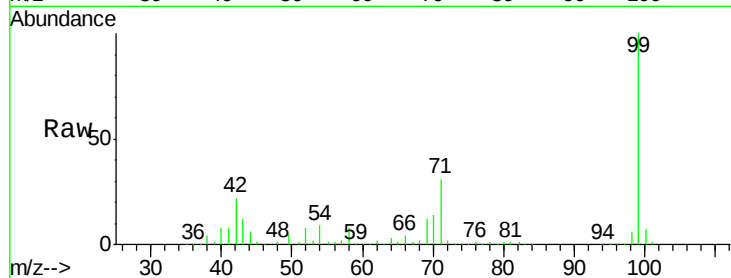
Instrument :

BNA_F

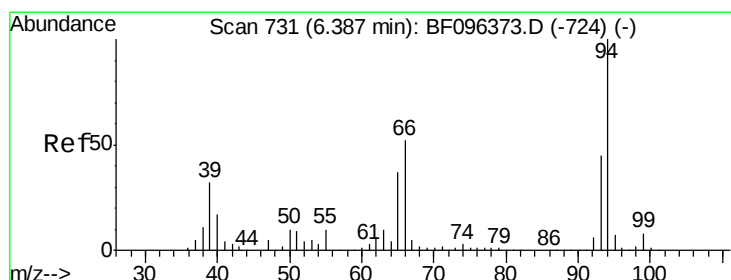
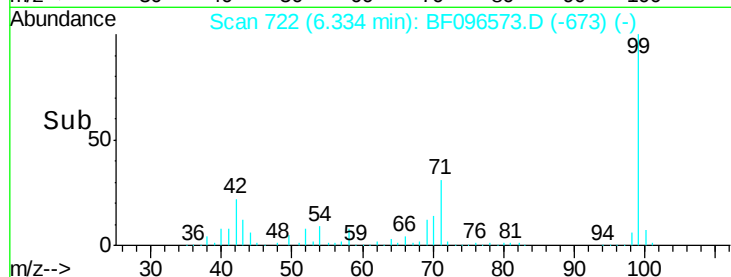
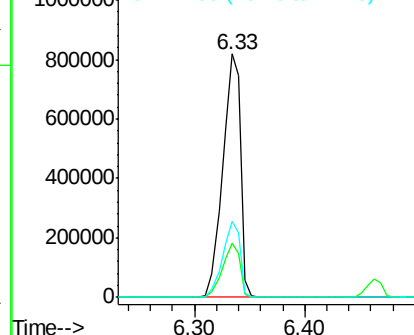
ClientSampleId :

Tot Ion: 99 Resp: 914994

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	31.4	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: 3.00 ng

RT: 6.35 min Scan# 724

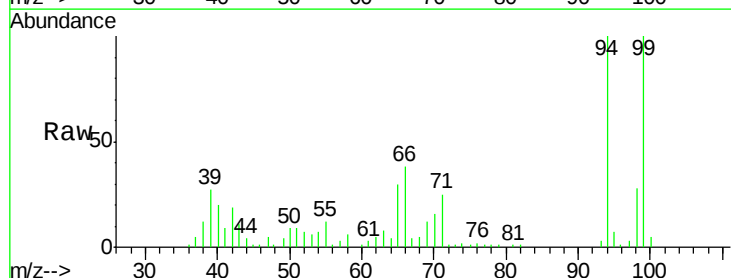
Delta R.T. -0.01 min

Lab File: BF096573.D

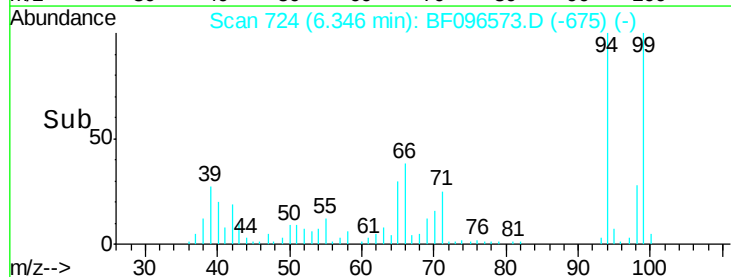
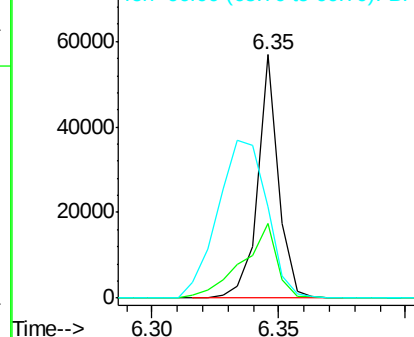
Acq: 7 Jul 2017 21:48

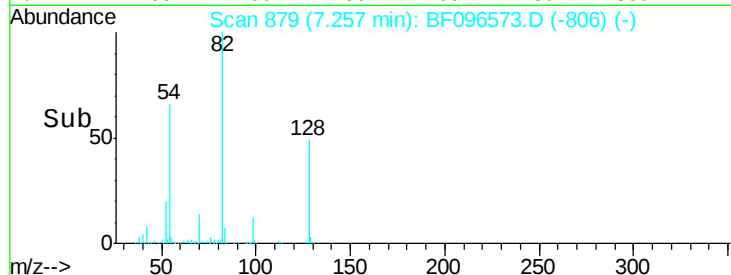
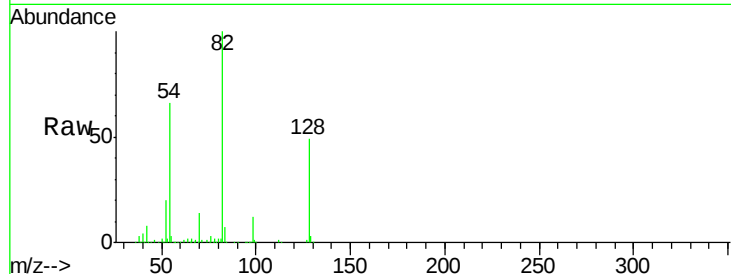
Tgt Ion: 94 Resp: 32390

Ion	Ratio	Lower	Upper
94	100		
65	30.4	9.9	49.9
66	37.5	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

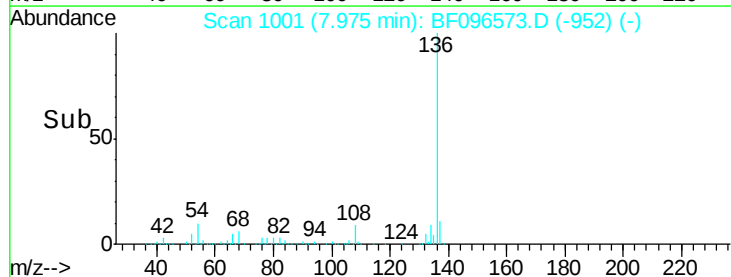
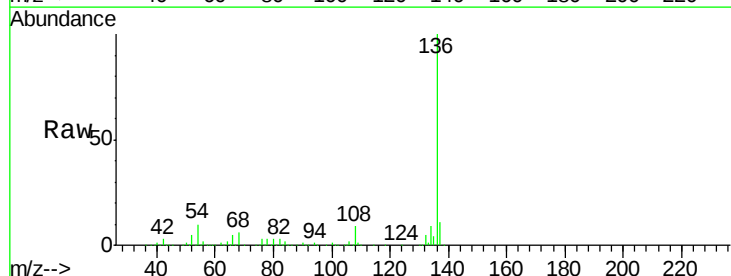
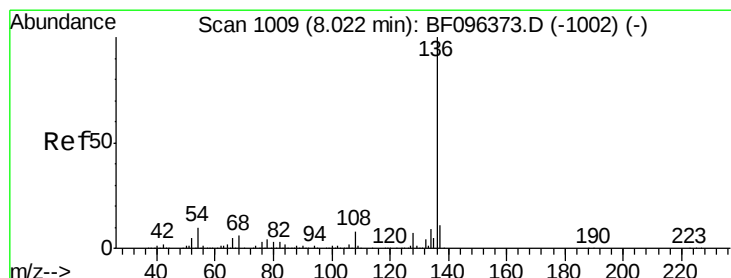
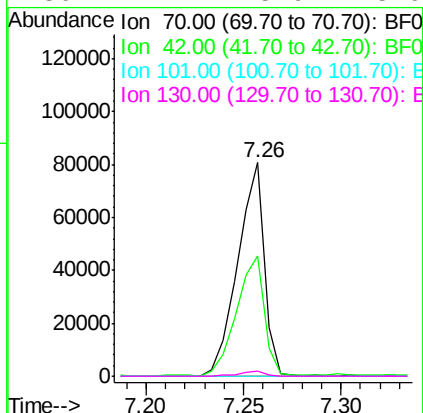




#19
n-Nitroso-di-n-propylamine
Concen: 13.52 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

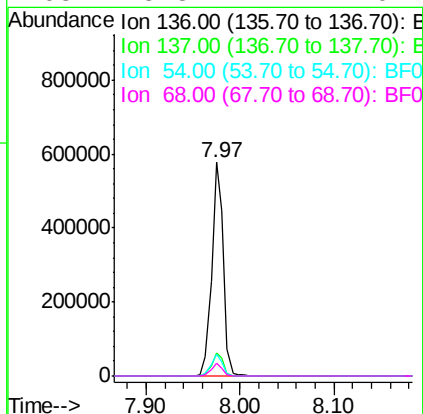
Instrument :
BNA_F
ClientSampleId :

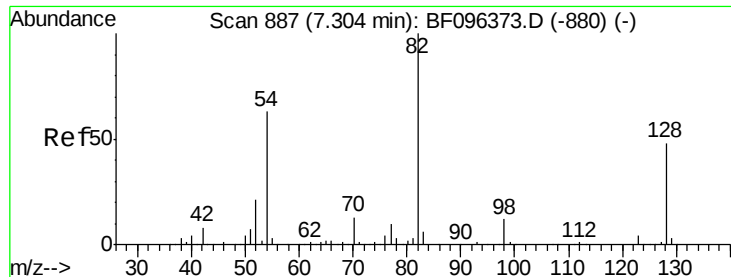
Tot Ion:	70	Resp:	76234
Ion	Ratio	Lower	Upper
70	100		
42	56.6	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Tgt Ion:	136	Resp:	506989
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.5	4.9	7.3#
68	5.8	4.1	6.1

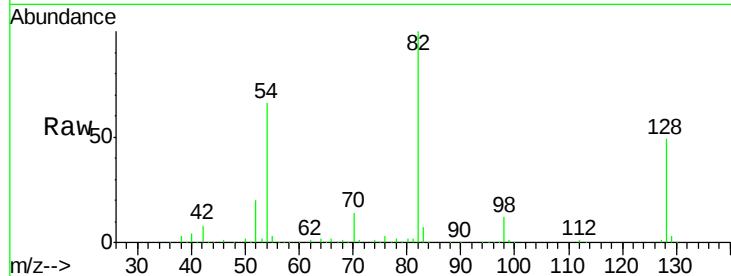




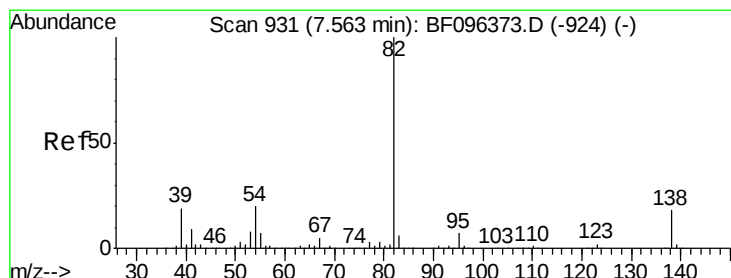
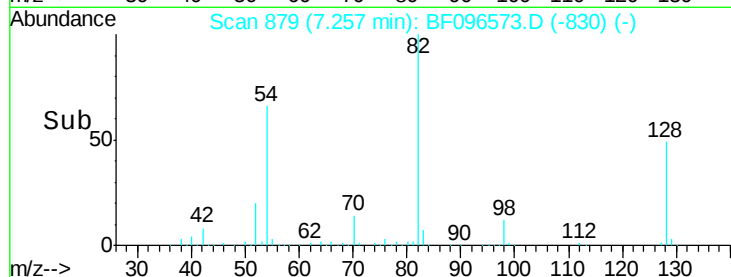
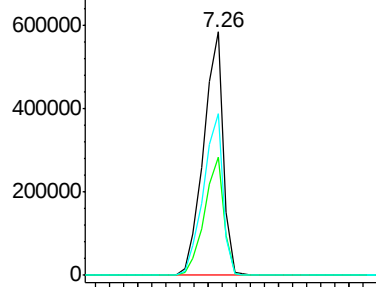
#23
 Nitrobenzene-d5
 Concen: 66.76 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 563259
 Ion Ratio Lower Upper
 82 100
 128 48.7 34.0 51.0
 54 66.2 42.2 63.2#

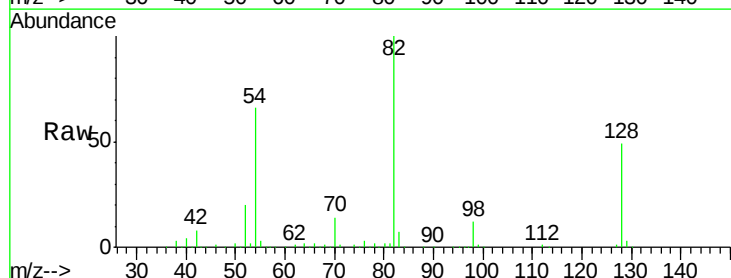


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

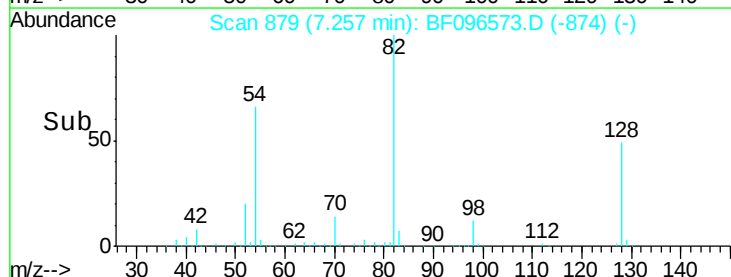
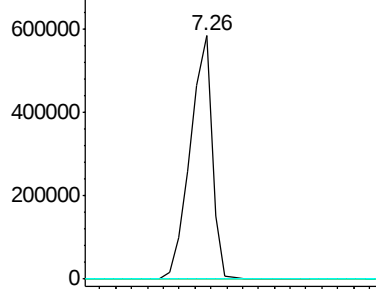


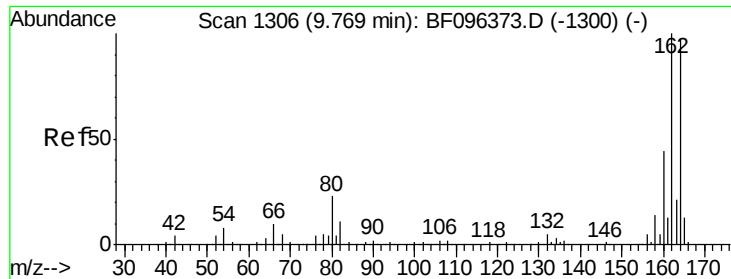
#25
 Isophorone
 Concen: 34.22 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.27 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Tgt Ion: 82 Resp: 559731
 Ion Ratio Lower Upper
 82 100
 95 0.1 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: BF096573.D

Acq: 7 Jul 2017 21:48

Instrument :

BNA_F

ClientSampleId :

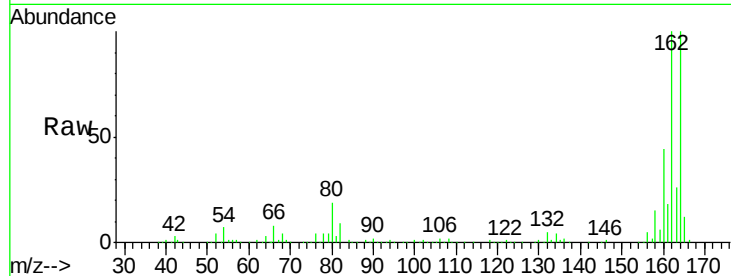
Tot Ion:164 Resp: 219342

Ion Ratio Lower Upper

164 100

162 100.0 82.6 123.8

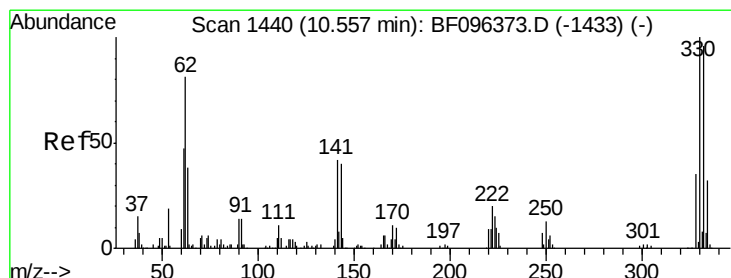
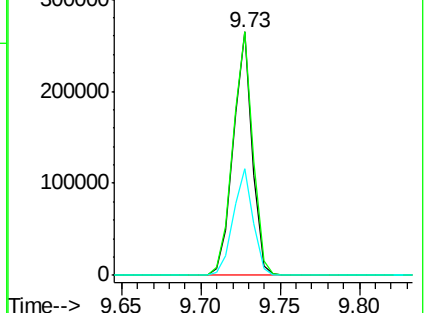
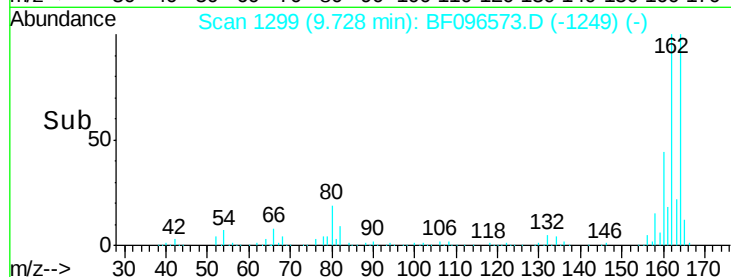
160 43.6 36.2 54.2



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: 103.76 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

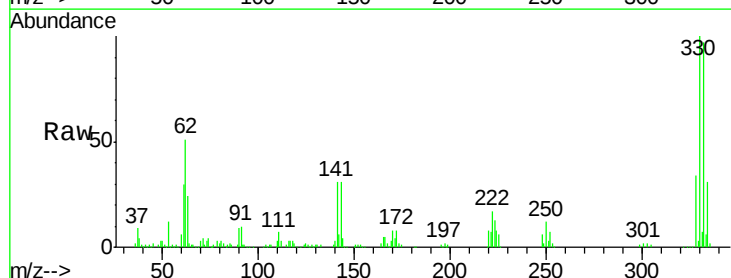
Tgt Ion:330 Resp: 177782

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

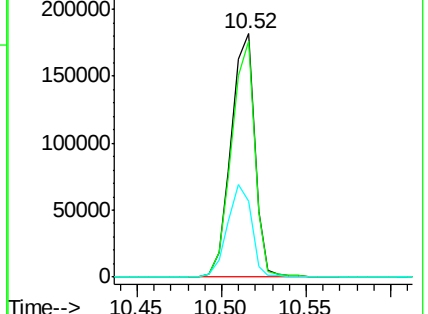
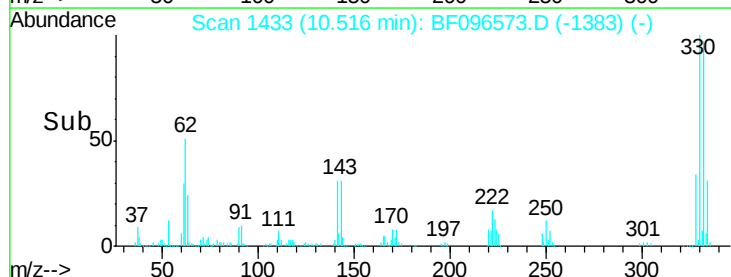
141 38.8 31.4 47.2

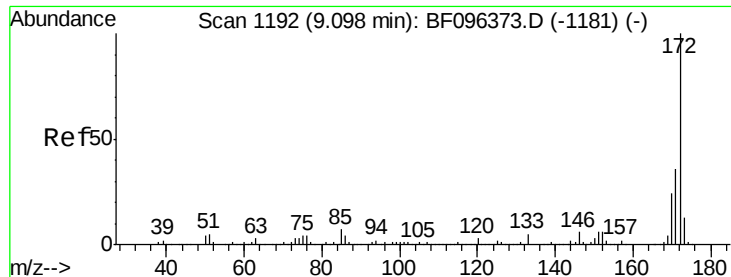


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

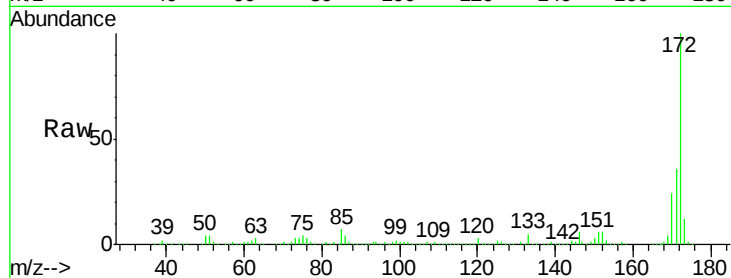




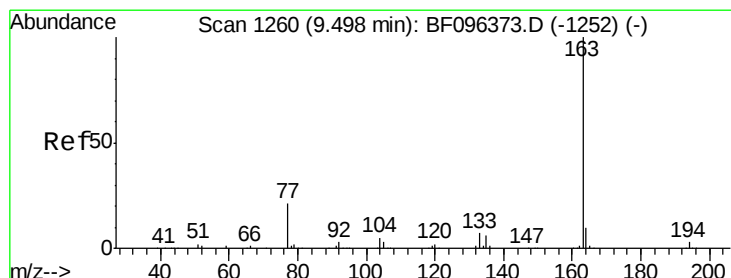
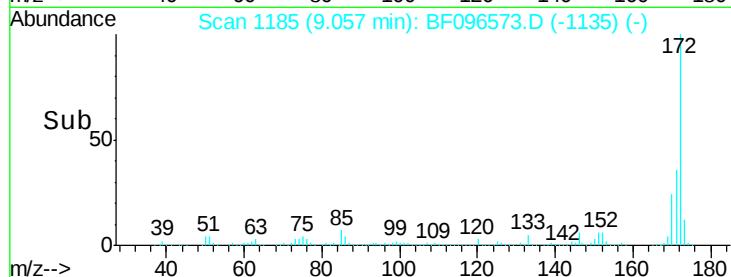
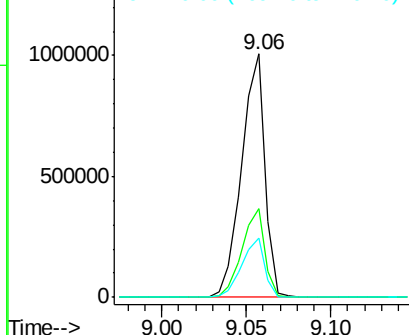
#44
2-Fluorobiphenyl
Concen: 75.70 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 971197
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.2 19.8 29.8

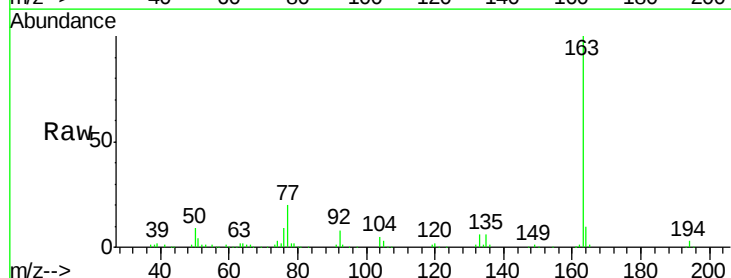


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

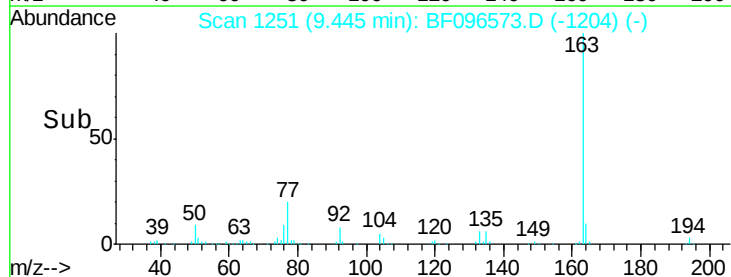
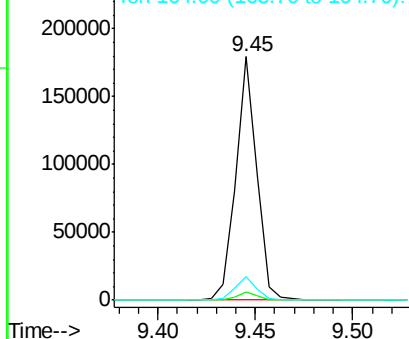


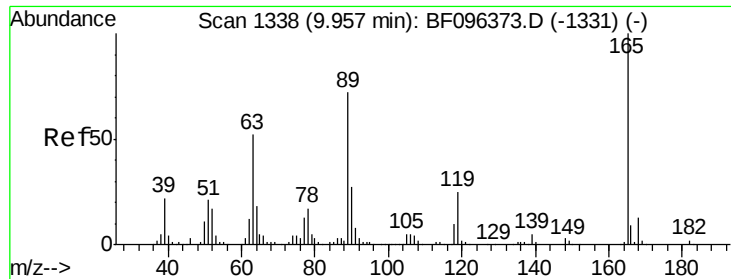
#49
Dimethylphthalate
Concen: 8.14 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Tgt Ion:163 Resp: 133321
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 8.4 12.6



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

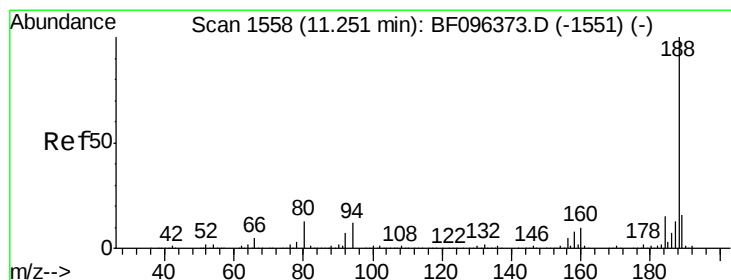
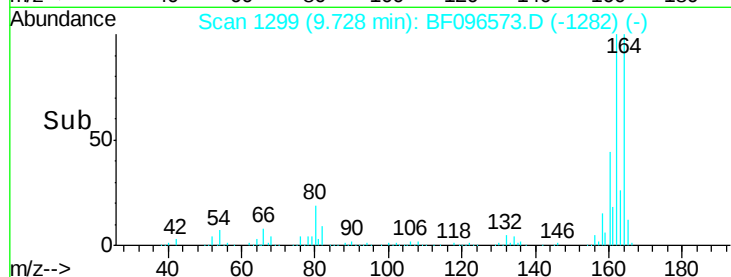
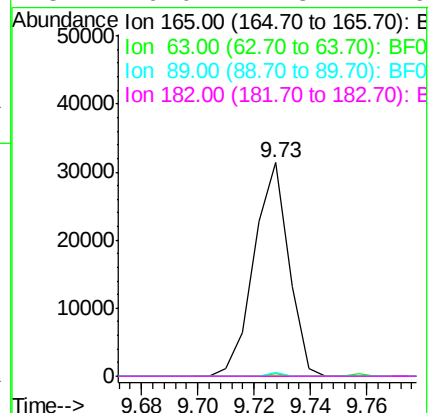
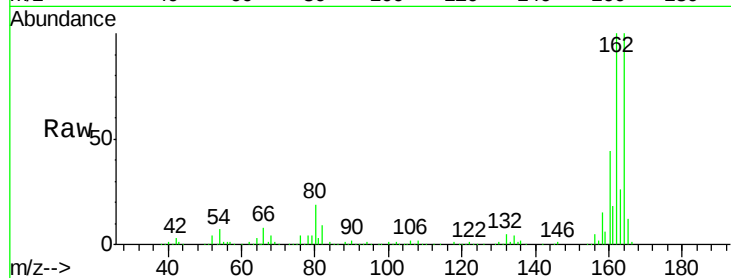




#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

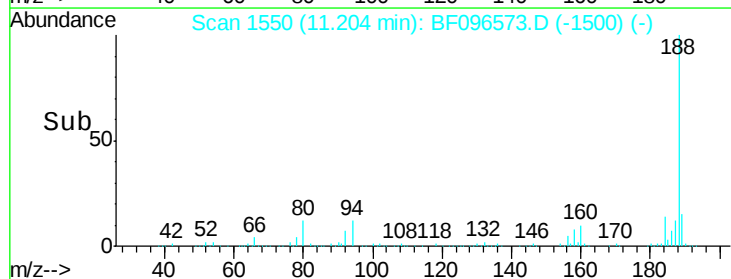
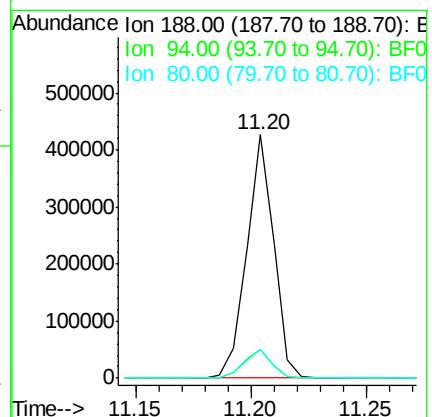
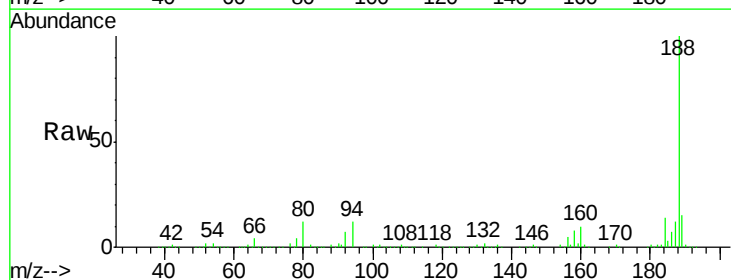
Instrument :
 BNA_F
 ClientSampled :

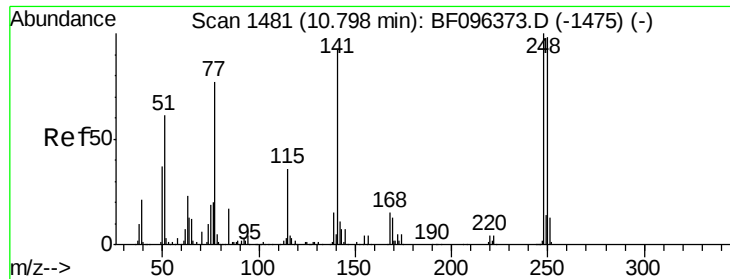
Tot Ion:165 Resp: 26841
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.8 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Tgt Ion:188 Resp: 348204
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 11.7 10.2 15.2

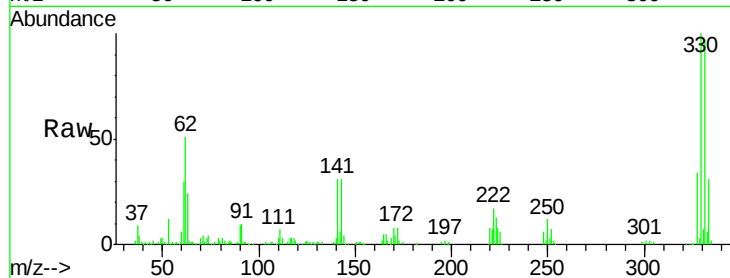




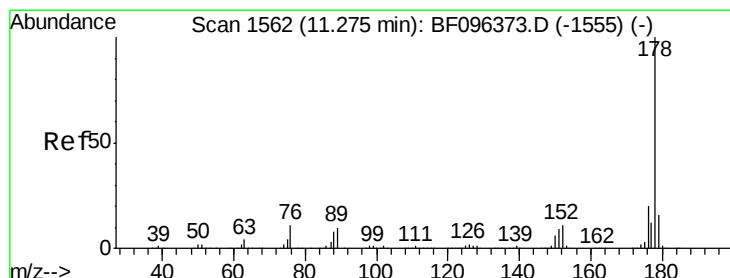
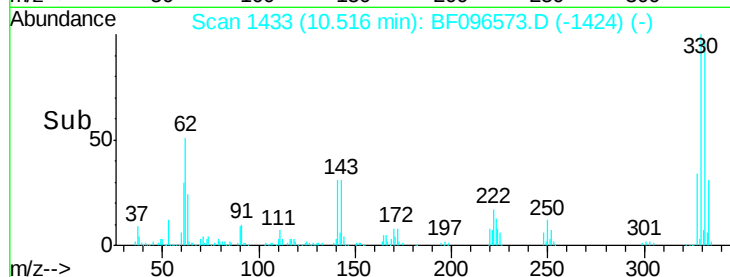
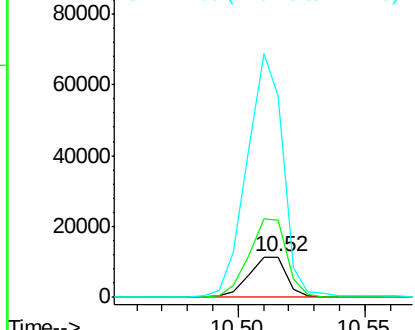
#66
 4-Bromophenyl-phenylether
 Concen: 3.47 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11776
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.8 115.2#
 141 498.1 68.6 103.0#

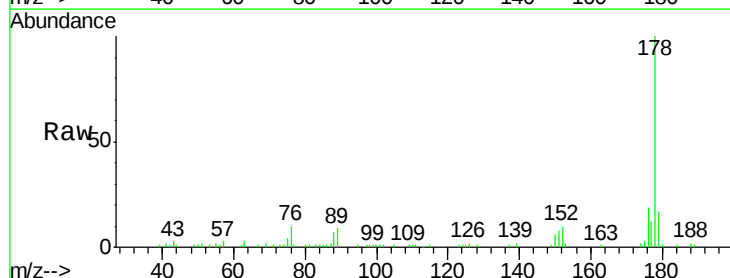


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

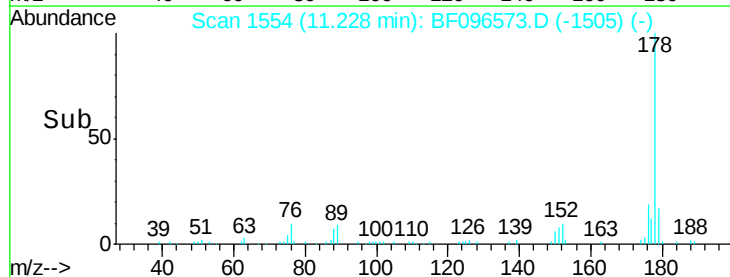
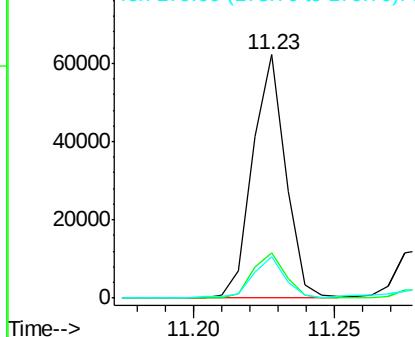


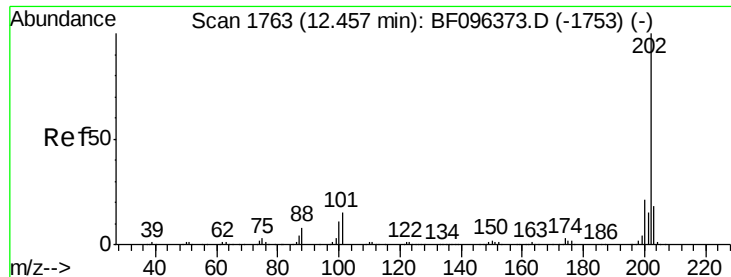
#70
 Phenanthrene
 Concen: 2.68 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Tgt Ion:178 Resp: 50430
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 16.8 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: 5.45 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096573.D

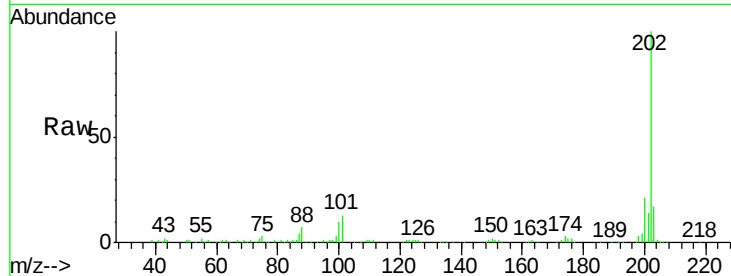
Acq: 7 Jul 2017 21:48

Instrument :

BNA_F

ClientSampleId :

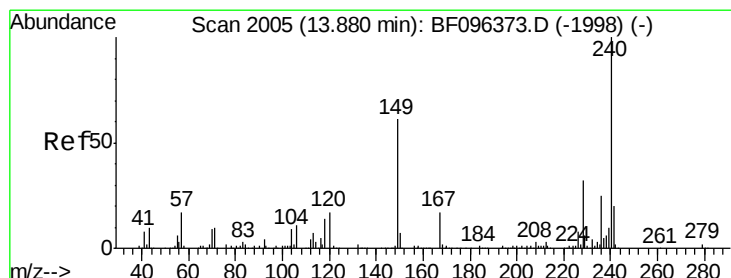
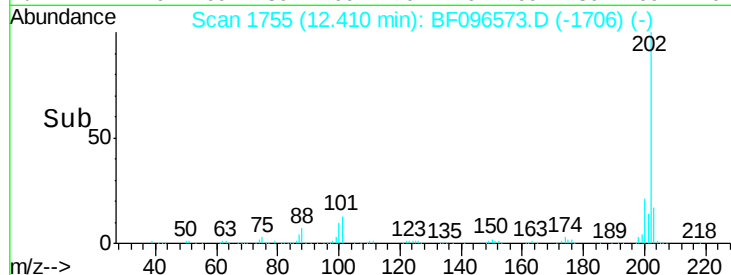
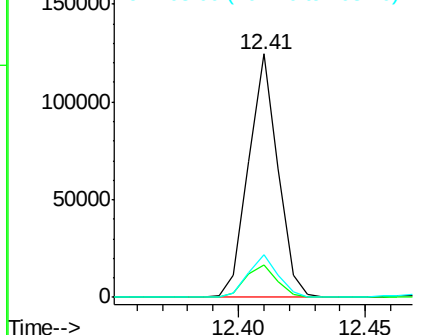
Tot Ion:	202	Resp:	100620
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.4	0.0	38.1



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

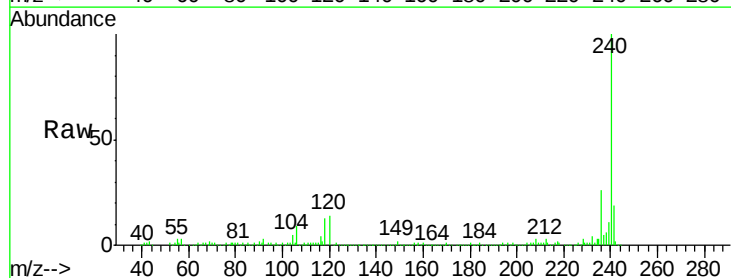
RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

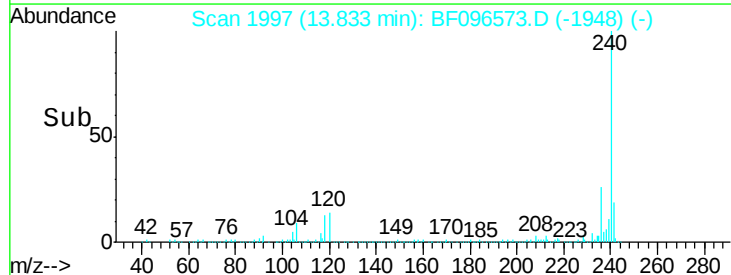
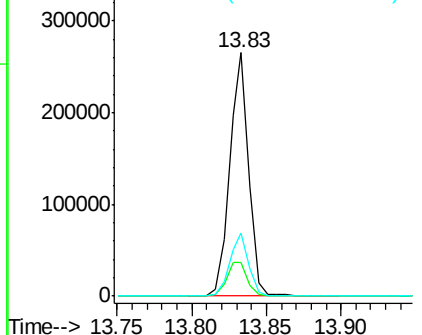
Tgt Ion:	240	Resp:	237865
Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	26.1	20.5	30.7

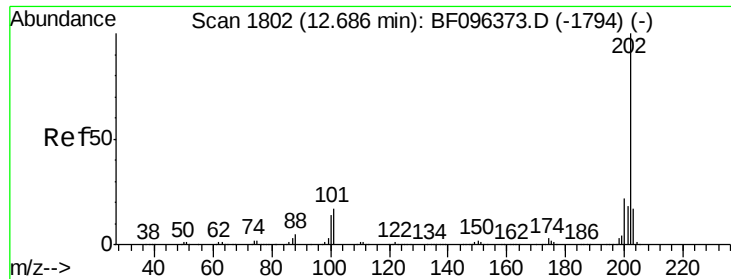


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.18 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

Instrument :

BNA_F

ClientSampleId :

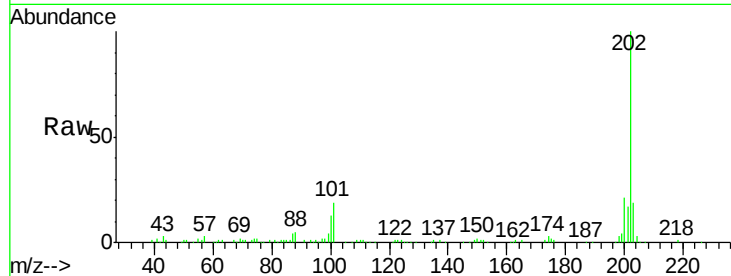
Tot Ion:202 Resp: 98894

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

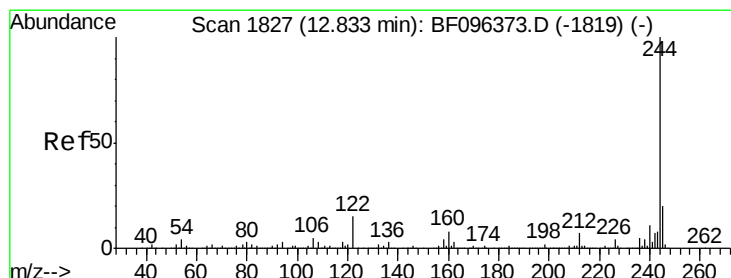
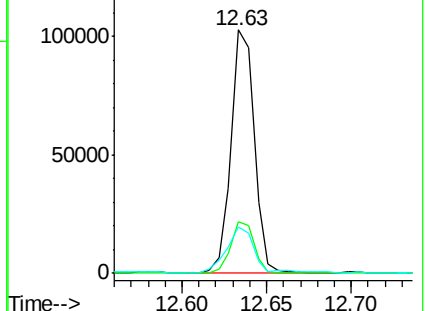
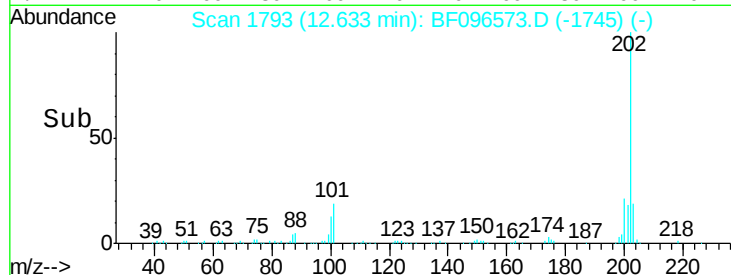
203 19.2 14.4 21.6



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: 59.54 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

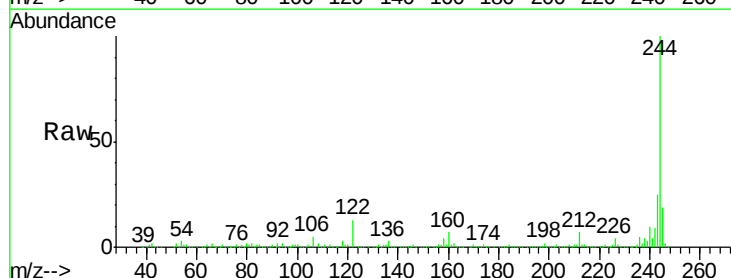
Tgt Ion:244 Resp: 662769

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

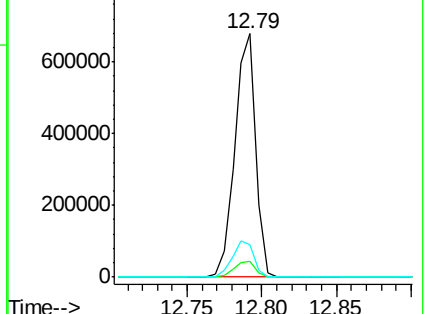
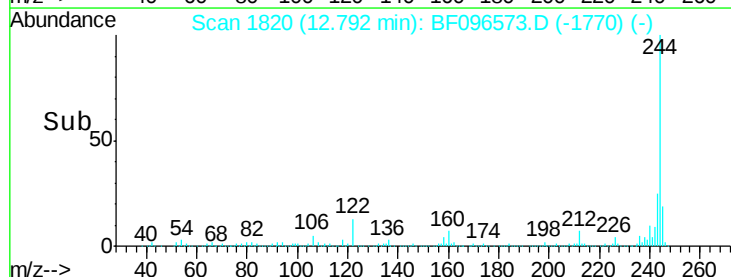
122 13.5 10.3 15.5

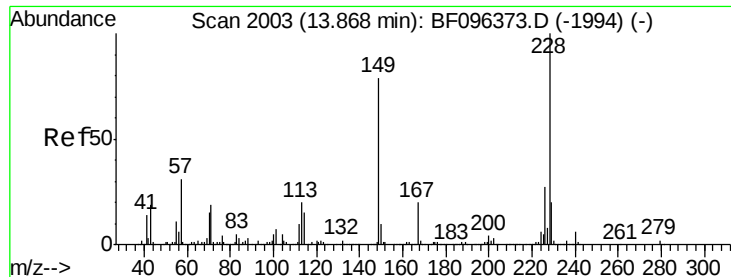


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.92 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

Instrument :

BNA_F

ClientSampleId :

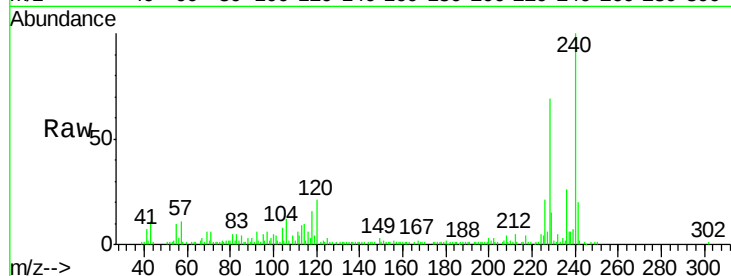
Tot Ion:228 Resp: 40161

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

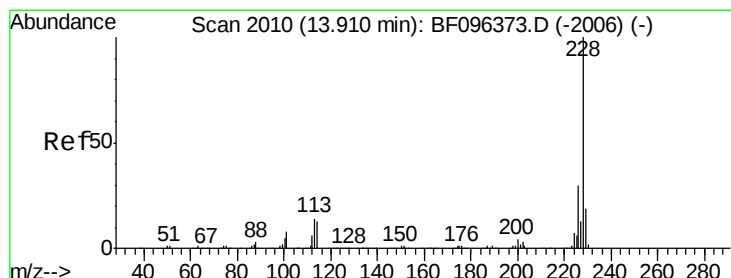
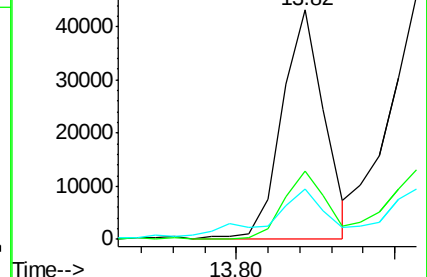
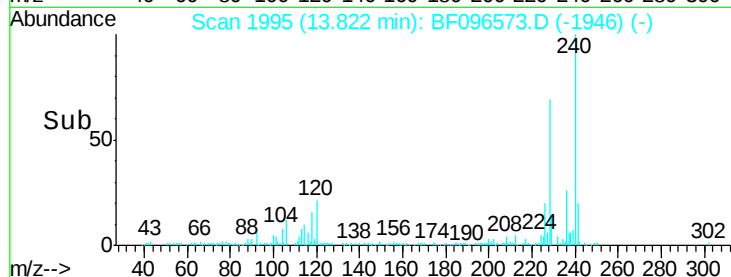
229 21.9 16.3 24.5



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: 3.19 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

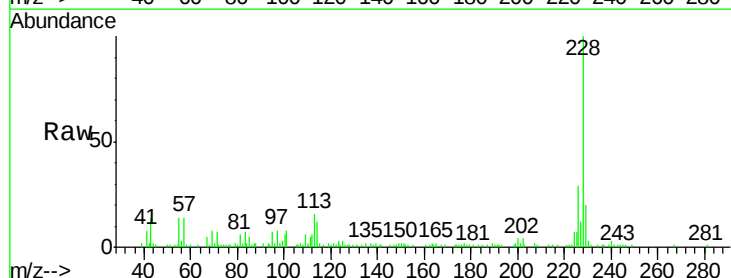
Tgt Ion:228 Resp: 45956

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

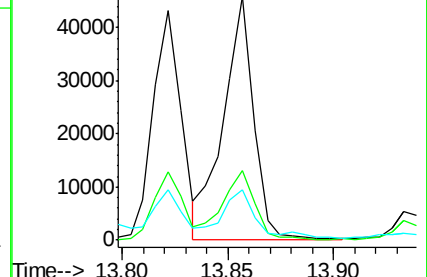
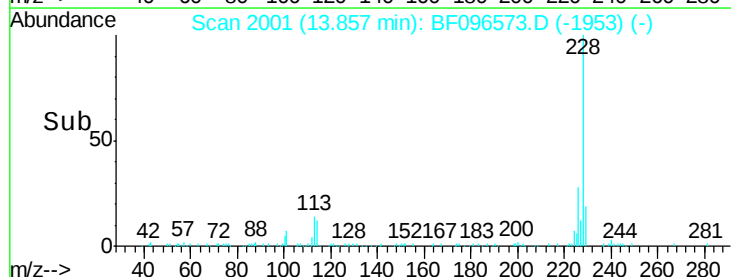
229 20.4 15.8 23.6

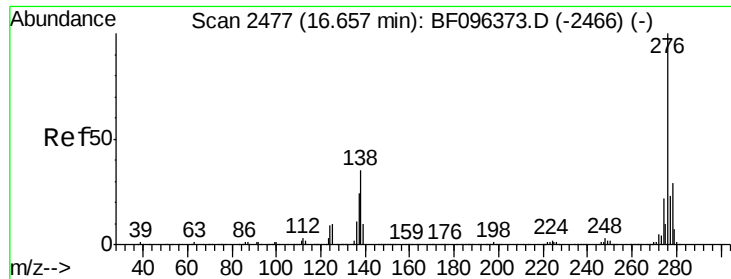


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

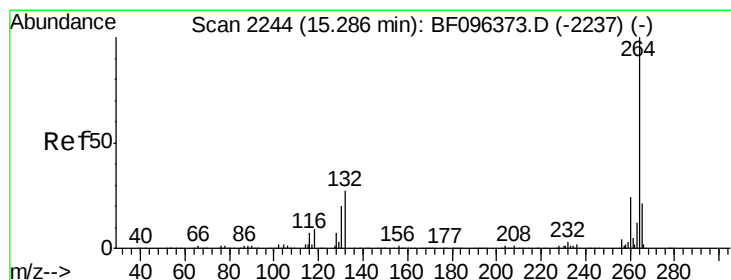
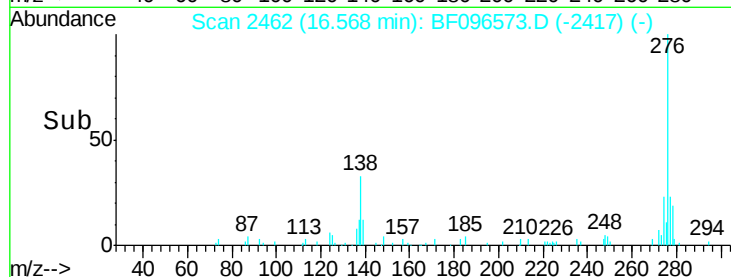
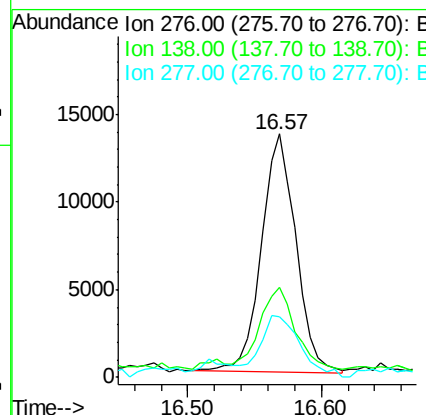
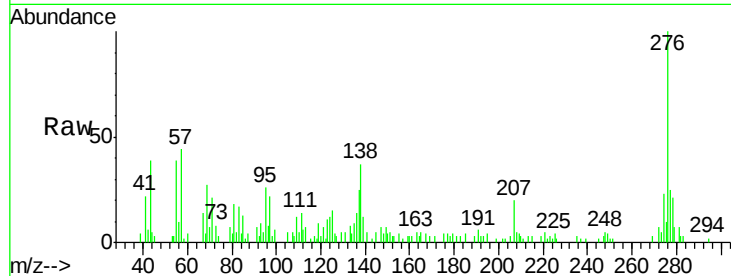




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.14 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.04 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

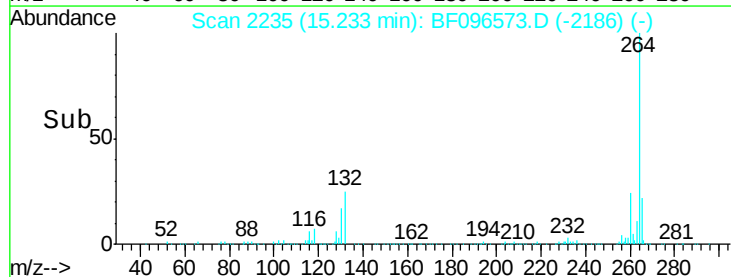
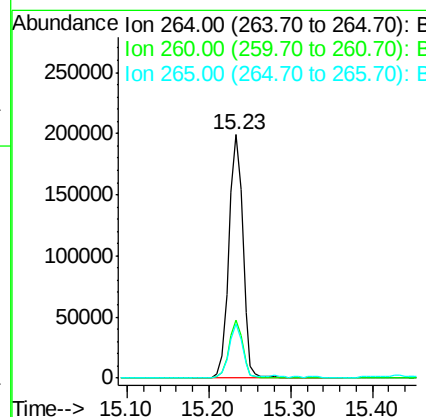
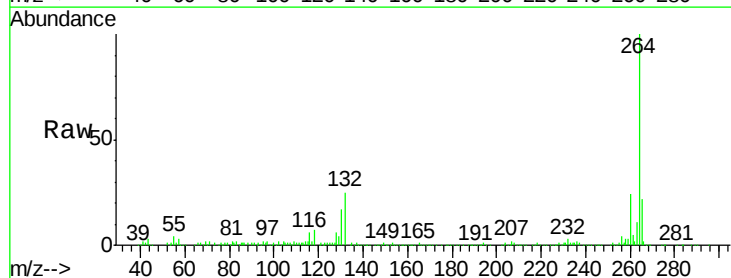
Instrument :
 BNA_F
 ClientSampleId :

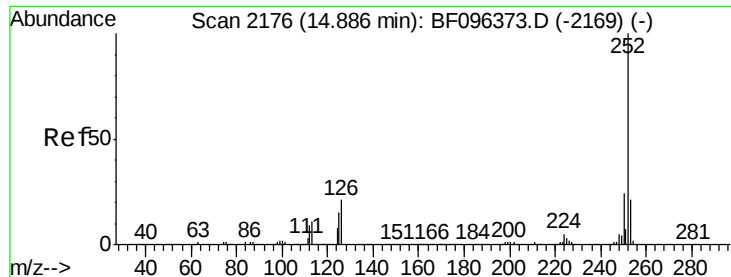
Tot Ion:276 Resp: 24359
 Ion Ratio Lower Upper
 276 100
 138 35.1 27.8 41.6
 277 29.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF096573.D
 Acq: 7 Jul 2017 21:48

Tgt Ion:264 Resp: 238709
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 22.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.29 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

Instrument :

BNA_F

ClientSampleId :

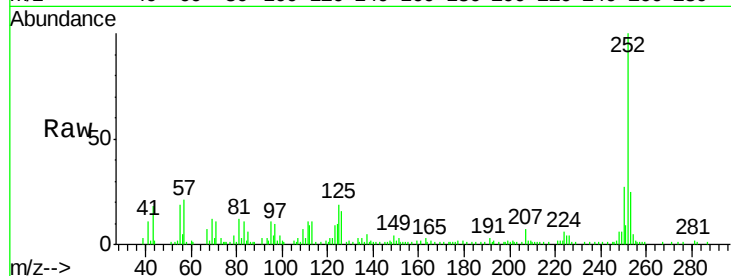
Tot Ion:252 Resp: 79151

Ion Ratio Lower Upper

252 100

253 25.4 18.1 27.1

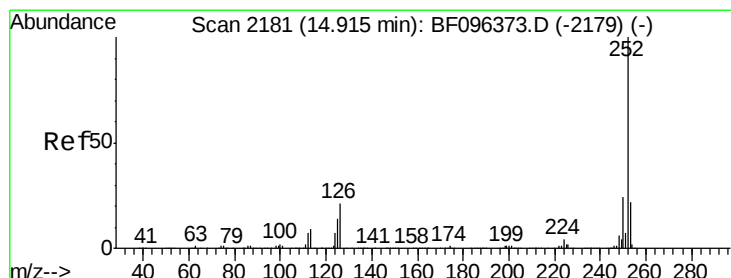
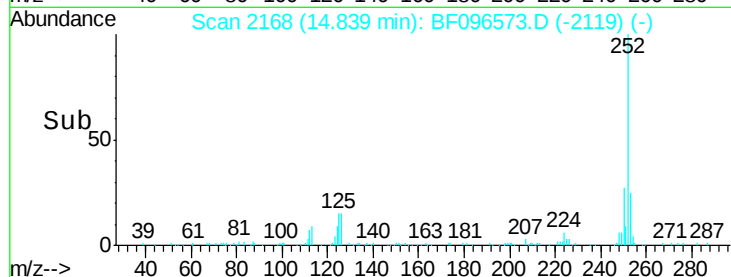
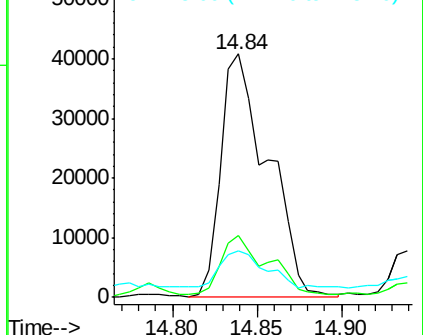
125 19.0 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 5.92 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF096573.D

Acq: 7 Jul 2017 21:48

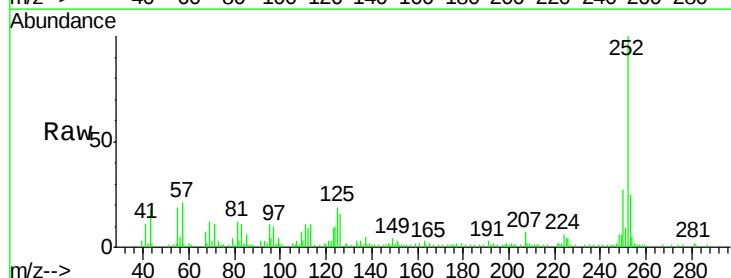
Tgt Ion:252 Resp: 79151

Ion Ratio Lower Upper

252 100

253 25.4 18.4 27.6

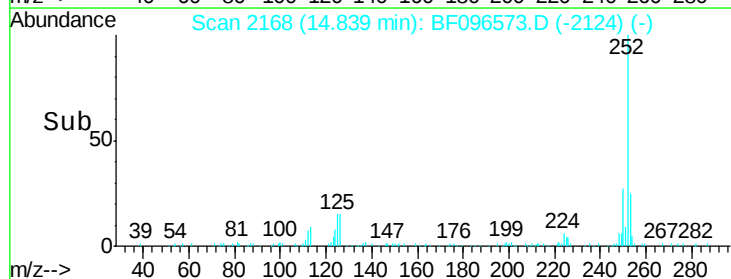
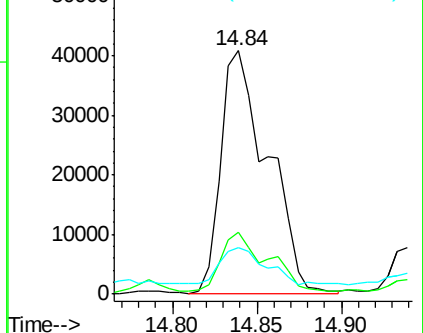
125 19.0 13.1 19.7

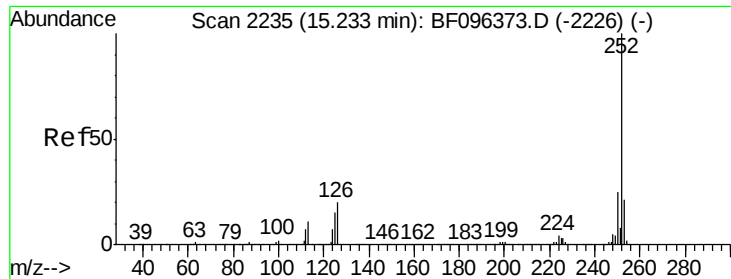


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

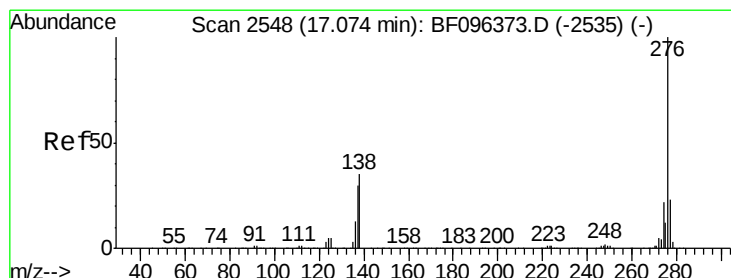
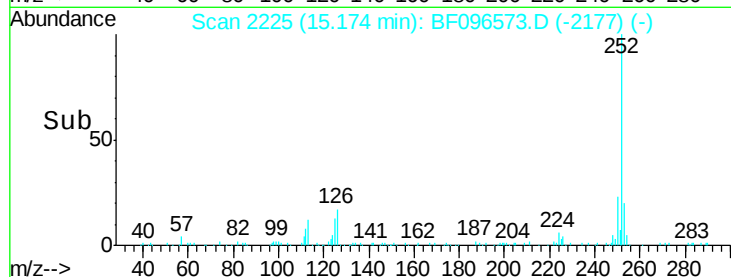
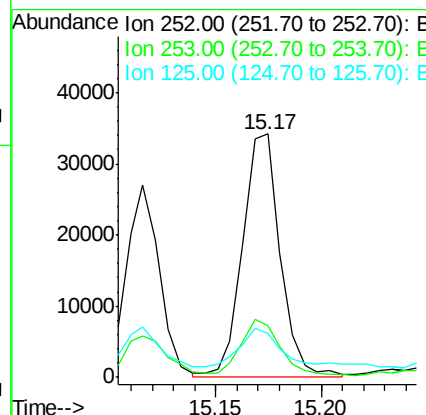
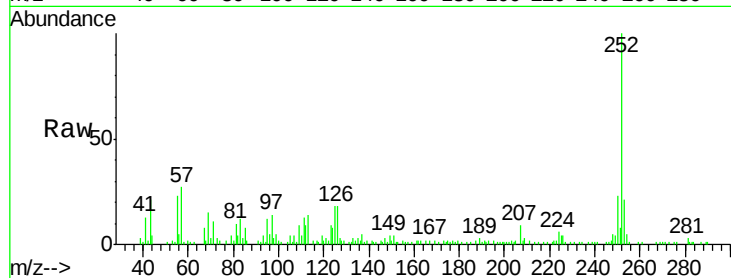




#89
Benzo(a)pyrene
Concen: 3.18 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 42399
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 18.2 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF096573.D
Acq: 7 Jul 2017 21:48

Tgt Ion:276 Resp: 26017
Ion Ratio Lower Upper
276 100
277 25.1 18.6 28.0
138 31.3 25.4 38.0

