

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096883.D
 Acq On : 19 Jul 2017 21:24
 Operator : SJ/JU
 Sample : I4280-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:54:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	116281	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	503005	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	178557	20.00	ng	-0.02
63) Phenanthrene-d10	11.10	188	254757	20.00	ng	0.00
75) Chrysene-d12	13.73	240	199689	20.00	ng	0.00
86) Perylene-d12	15.10	264	165586	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	680125	87.94	ng	0.00
7) Phenol-d6	6.24	99	832234	89.68	ng	-0.01
23) Nitrobenzene-d5	7.15	82	485169	59.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	127557	83.69	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	804721	71.20	ng	-0.01
78) Terphenyl-d14	12.68	244	441988	38.39	ng	-0.01

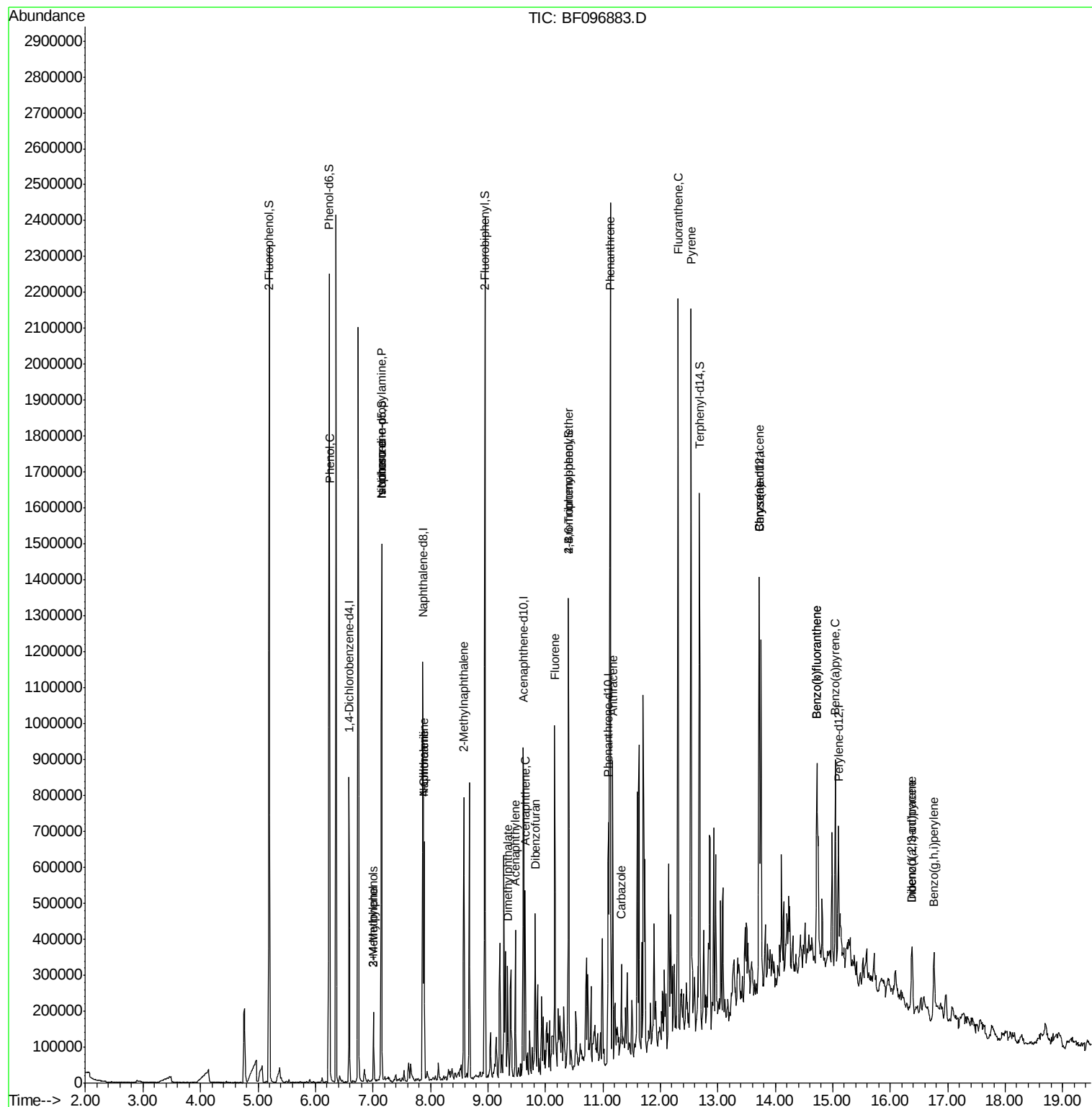
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.25	94	33409	3.18	ng	94
17) 2-Methylphenol	7.01	107	46066	7.10	ng	# 69
19) n-Nitroso-di-n-propylamine	7.15	70	65157	11.65	ng	# 87
20) 3+4-Methylphenols	7.01	107	46066	5.85	ng	# 57
25) Isophorone	7.15	82	481444	31.87	ng	# 67
31) Naphthalene	7.89	128	284286	11.93	ng	99
33) 4-Chloroaniline	7.89	127	36798	3.90	ng	# 35
37) 2-Methylnaphthalene	8.58	142	197050	12.97	ng	98
48) Acenaphthylene	9.47	152	121258	6.75	ng	# 96
49) Dimethylphthalate	9.35	163	96364	7.17	ng	100
51) Acenaphthene	9.65	154	108541	10.23	ng	96
54) Dibenzofuran	9.82	168	98431	6.62	ng	# 95
57) Fluorene	10.16	166	266947	24.29	ng	100
66) 4-Bromophenyl-phenylether	10.40	248	8438	3.24	ng	# 1
70) Phenanthrene	11.13	178	1050482	75.84	ng	99
71) Anthracene	11.17	178	329173	23.50	ng	99
72) Carbazole	11.33	167	90857	6.70	ng	98
74) Fluoranthene	12.31	202	832099	62.76	ng	99
77) Pvrene	12.53	202	925516	51.07	ng	99
80) Benzo(a)anthracene	13.72	228	399559	32.11	ng	95
82) Chrysene	13.72	228	399559	32.62	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	109048	12.47	ng	93
87) Benzo(b)fluoranthene	14.73	252	413041	41.36	ng	# 96
88) Benzo(k)fluoranthene	14.73	252	413041	43.68	ng	98
89) Benzo(a)pyrene	15.04	252	257112	28.07	ng	99
90) Dibenzo(a,h)anthracene	16.38	278	33344	3.96	ng	# 71
91) Benzo(g,h,i)perylene	16.76	276	111269	12.33	ng	98

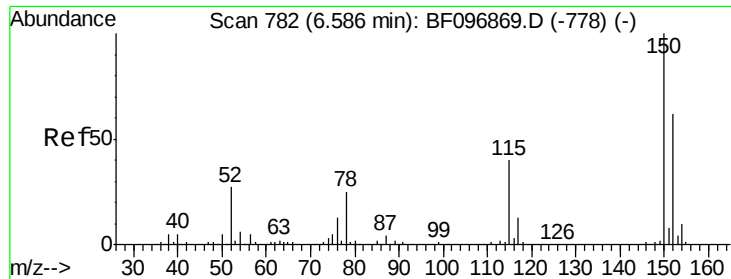
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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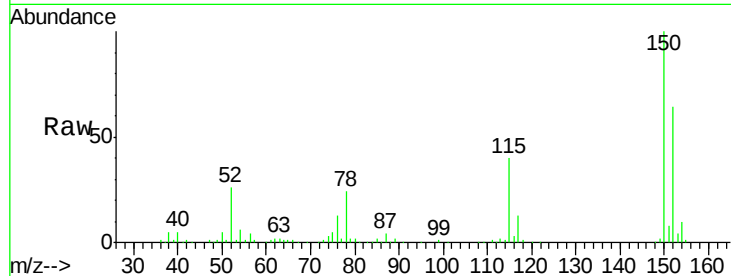


#1

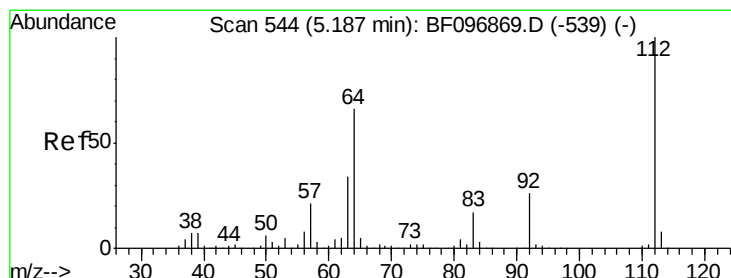
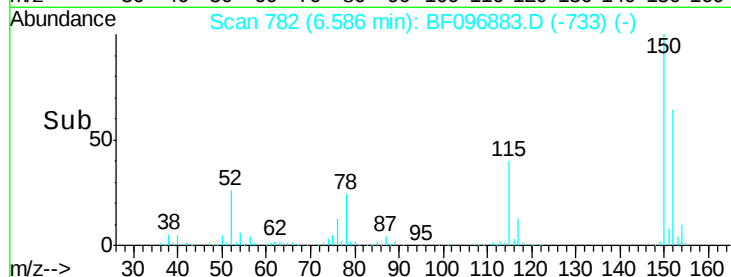
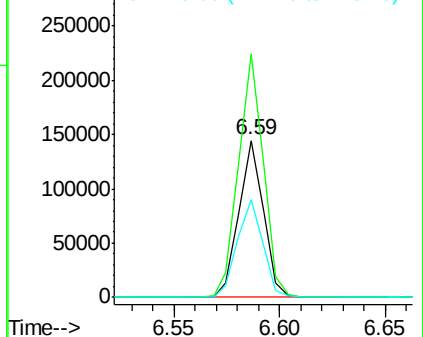
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116281
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 62.7 52.2 78.2



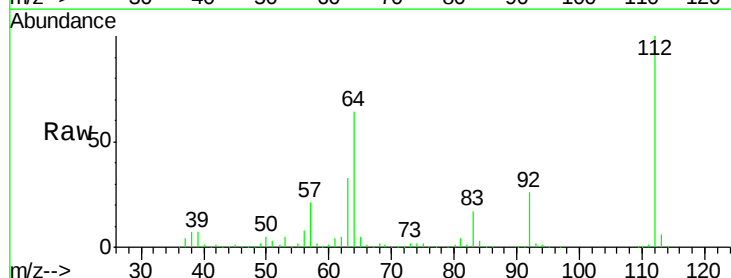
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



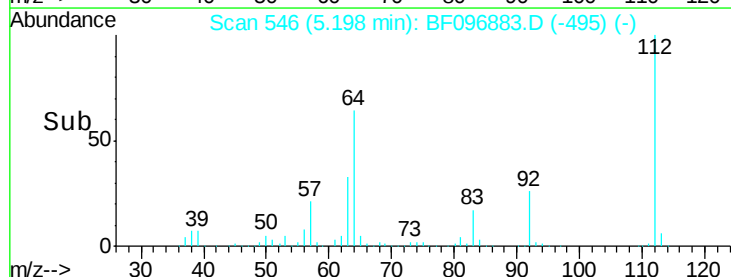
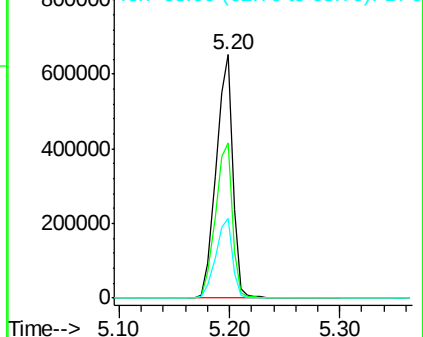
#5

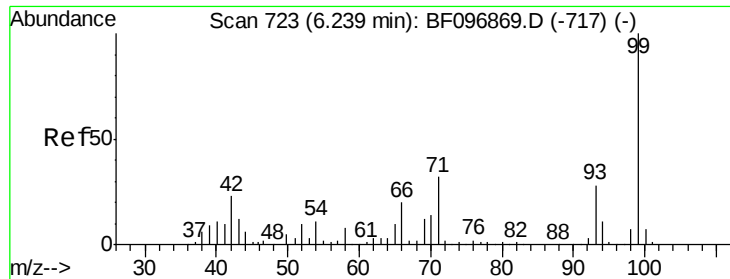
2-Fluorophenol
Concen: 87.94 ng
RT: 5.20 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

Tgt Ion:112 Resp: 680125
Ion Ratio Lower Upper
112 100
64 63.9 46.0 69.0
63 32.9 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: 89.68 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

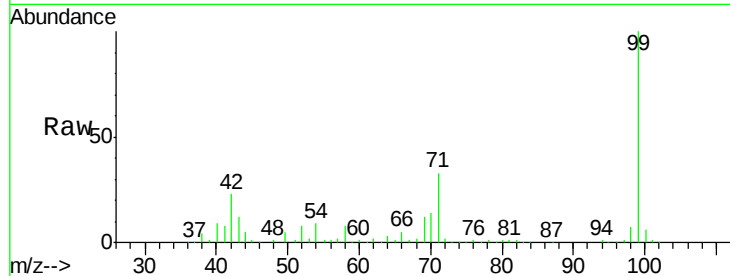
Instrument :

BNA_F

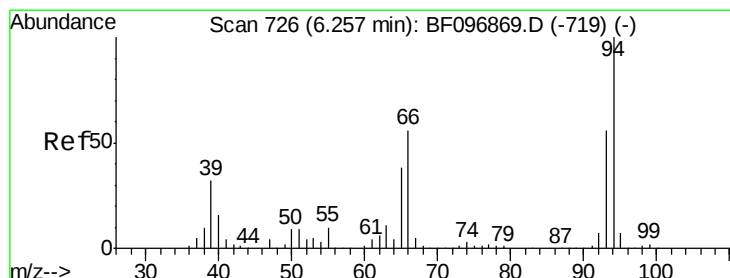
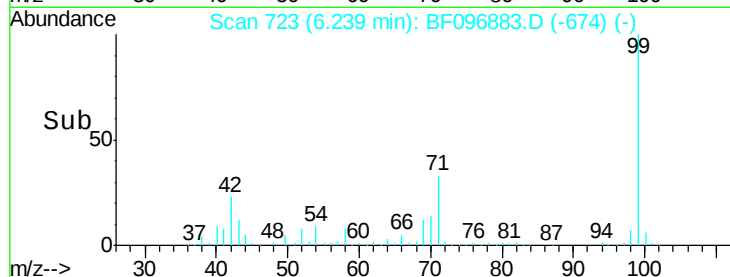
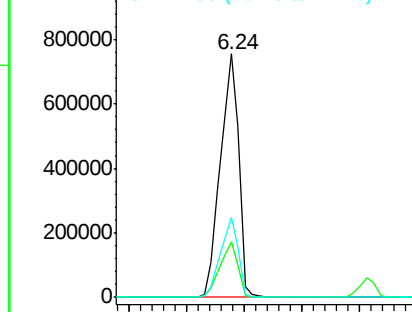
ClientSampled :

Tot Ion: 99 Resp: 832234

Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	32.8	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: 3.18 ng

RT: 6.25 min Scan# 725

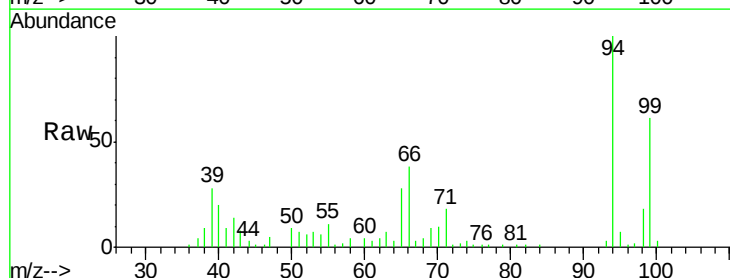
Delta R.T. -0.02 min

Lab File: BF096883.D

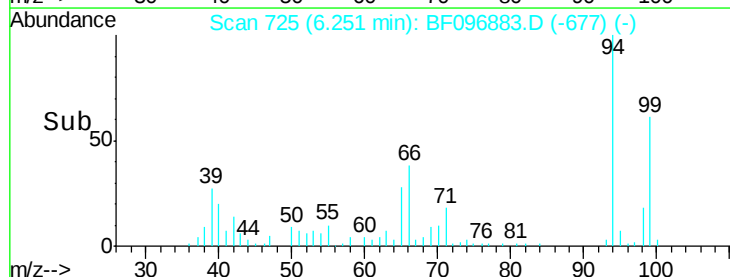
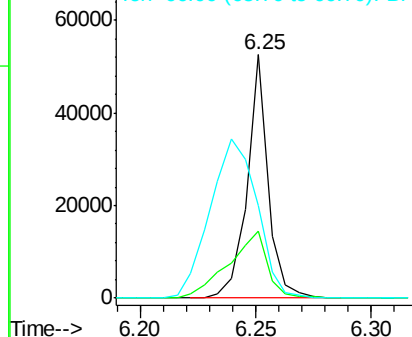
Acq: 19 Jul 2017 21:24

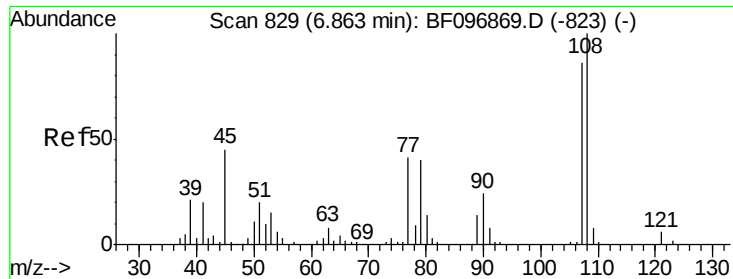
Tgt Ion: 94 Resp: 33409

Ion	Ratio	Lower	Upper
94	100		
65	27.7	9.9	49.9
66	38.1	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

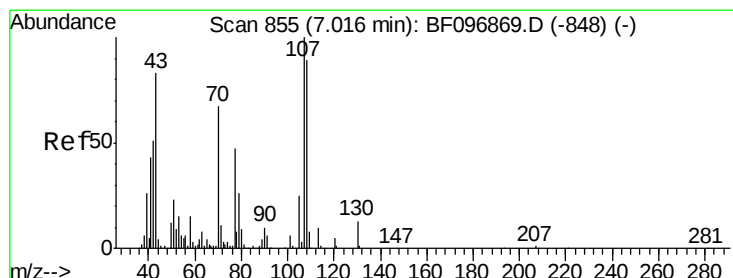
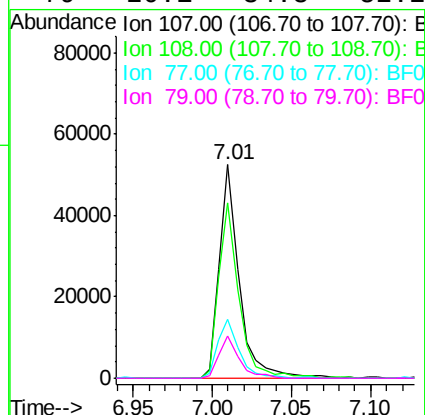
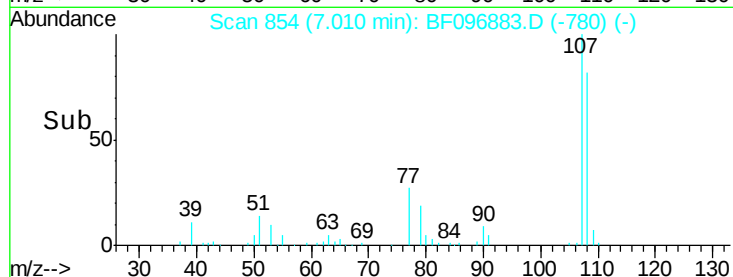
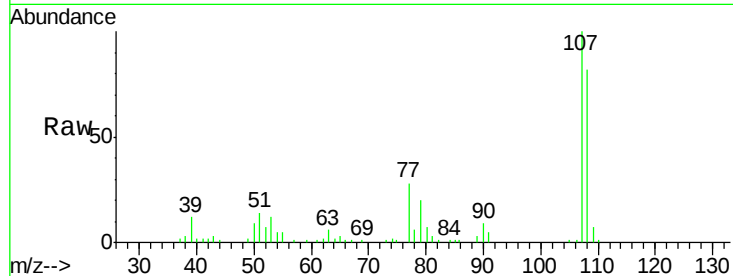




#17
2-Methylphenol
Concen: 7.10 ng
RT: 7.01 min Scan# 854
Delta R.T. 0.14 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

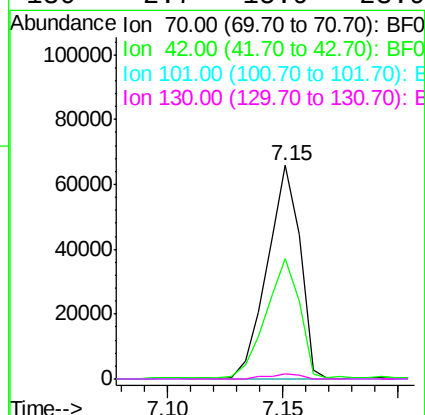
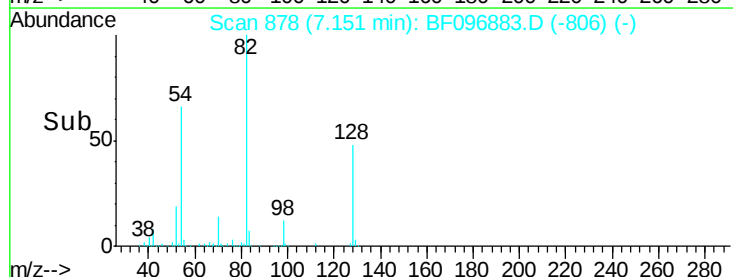
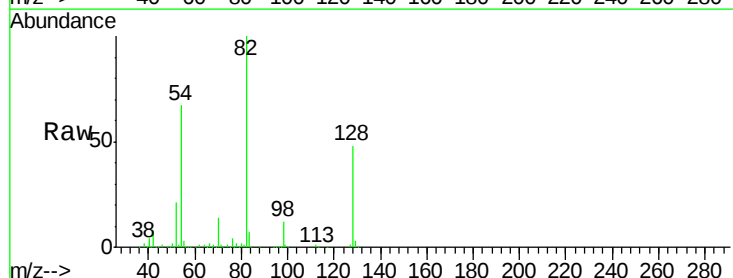
Instrument :
BNA_F
ClientSampleId :

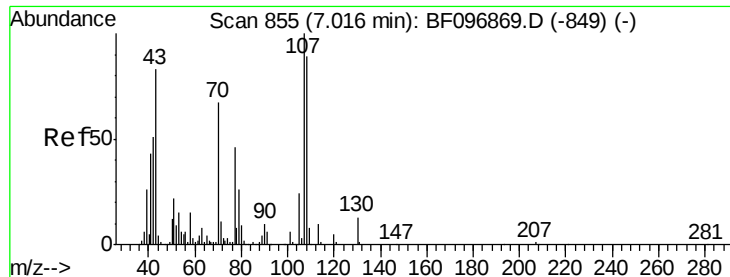
Tot Ion:	107	Resp:	46066
Ion	Ratio	Lower	Upper
107	100		
108	82.0	93.4	140.0#
77	27.8	35.8	53.6#
79	20.1	34.8	52.2#



#19
n-Nitroso-di-n-propylamine
Concen: 11.65 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

Tgt Ion:	70	Resp:	65157
Ion	Ratio	Lower	Upper
70	100		
42	56.4	47.2	70.8
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#





#20

3+4-Methylphenols

Concen: 5.85 ng

RT: 7.01 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF096883.D

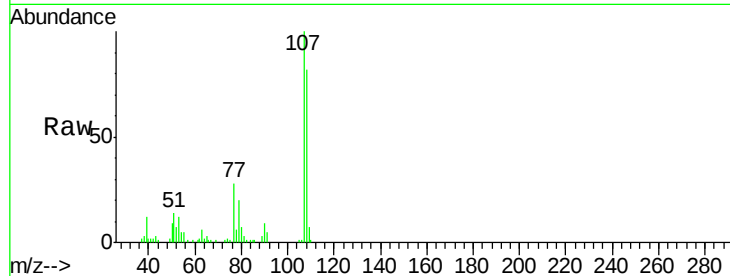
Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	46066
Ion	Ratio	Lower	Upper
107	100		
108	82.0	71.0	111.0
77	27.8	90.5	130.5#
79	20.1	8.4	48.4

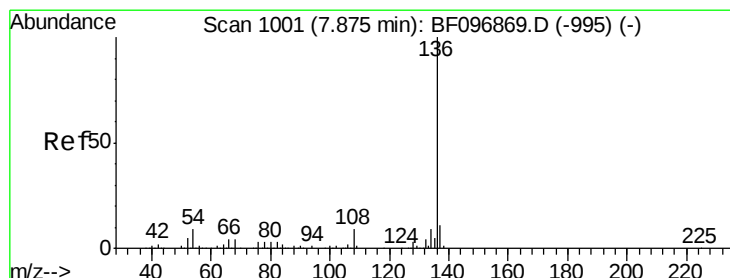
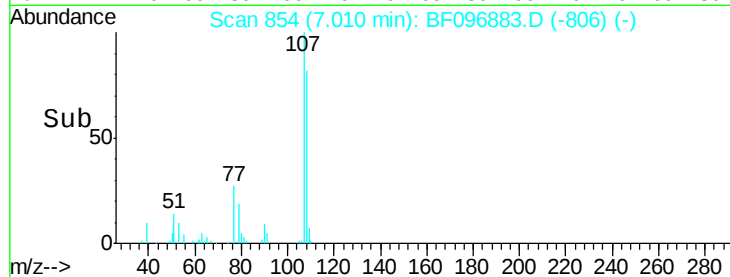
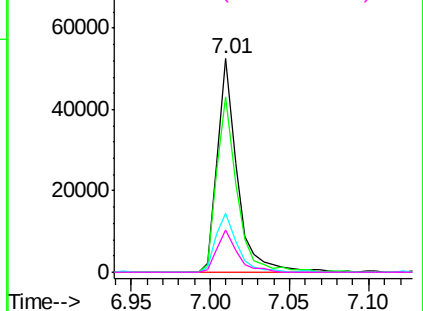


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

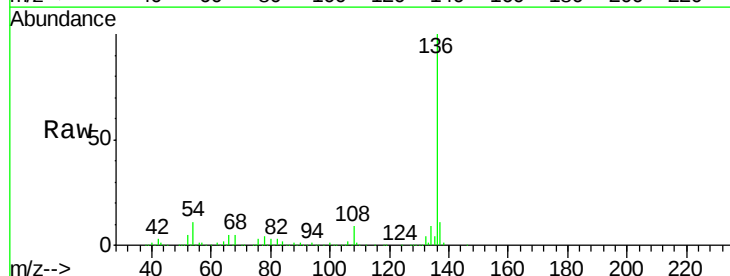
RT: 7.87 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Tgt Ion:	136	Resp:	503005
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.7	4.9	7.3#
68	5.3	4.1	6.1

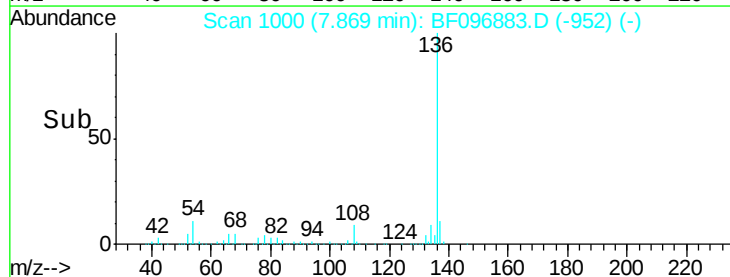
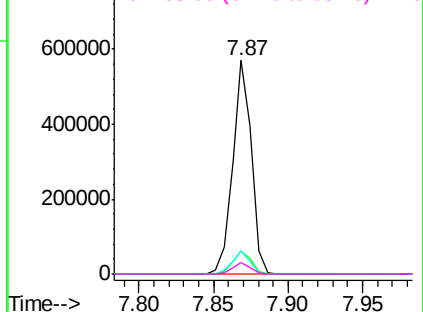


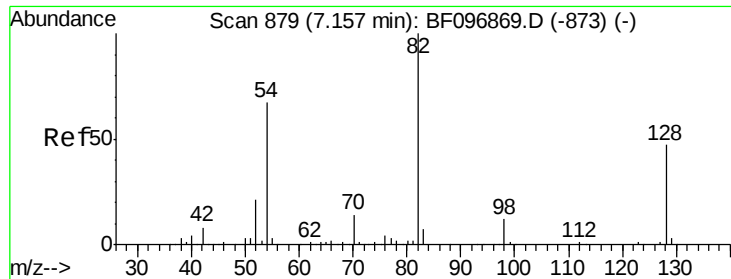
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

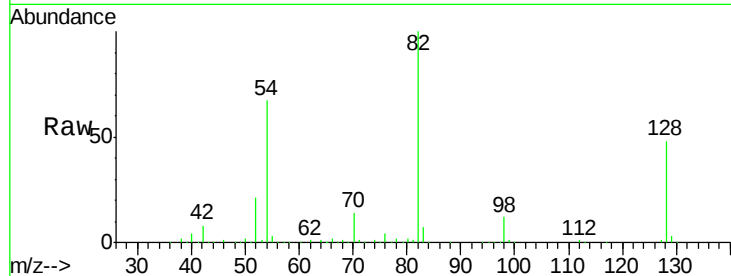




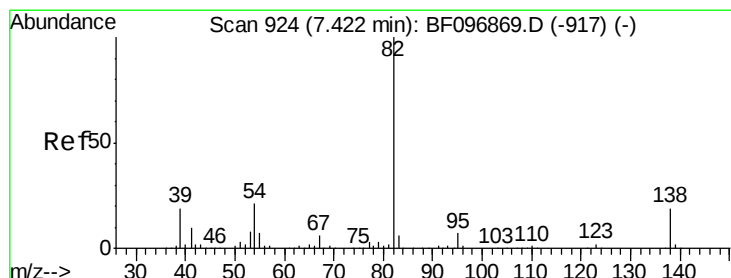
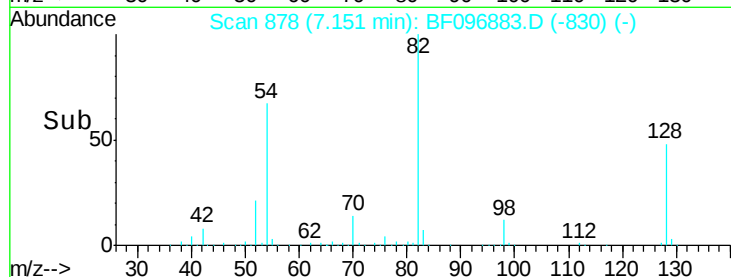
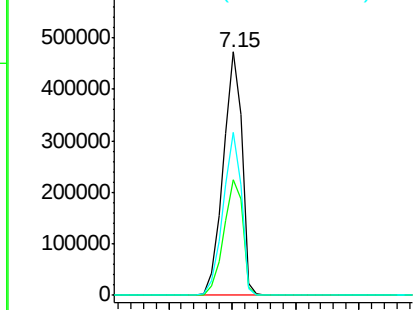
#23
 Nitrobenzene-d5
 Concen: 59.74 ng
 RT: 7.15 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 485169
 Ion Ratio Lower Upper
 82 100
 128 47.6 34.0 51.0
 54 66.9 42.2 63.2#

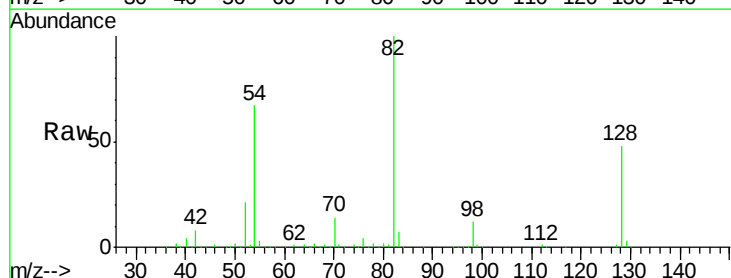


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

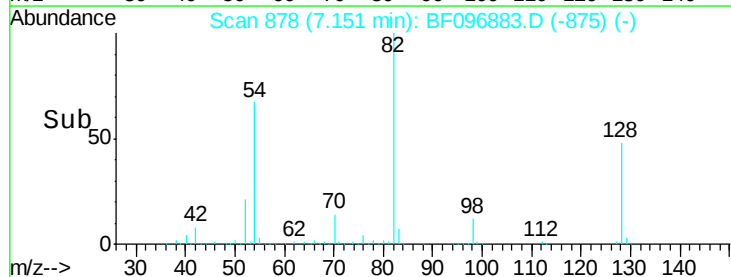
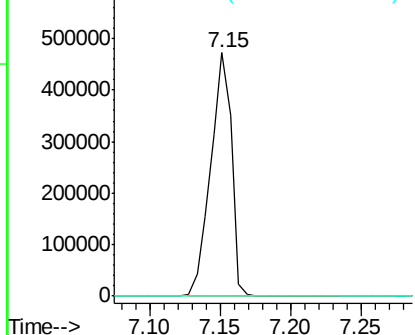


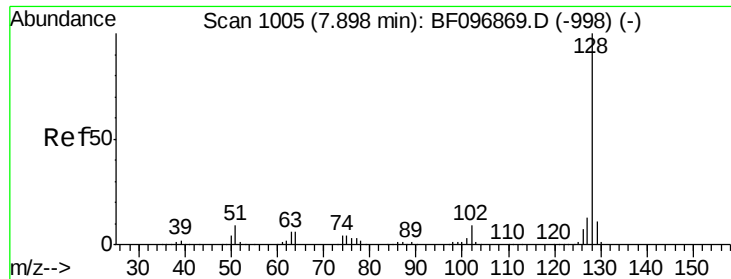
#25
 Isophorone
 Concen: 31.87 ng
 RT: 7.15 min Scan# 878
 Delta R.T. -0.28 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Tgt Ion: 82 Resp: 481444
 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





#31

Naphthalene

Concen: 11.93 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

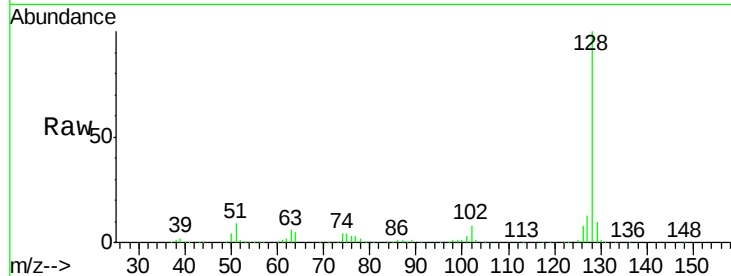
Tot Ion:128 Resp: 284286

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

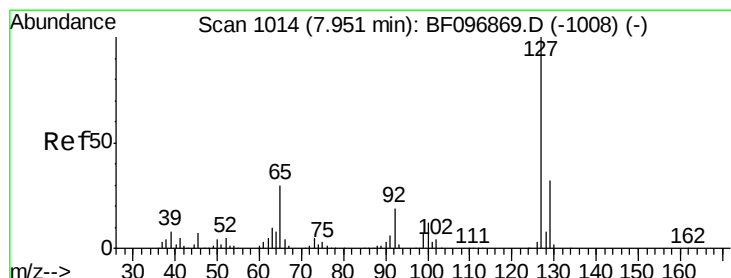
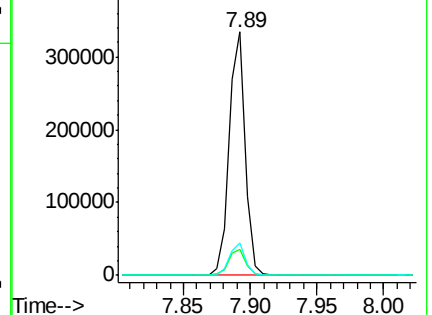
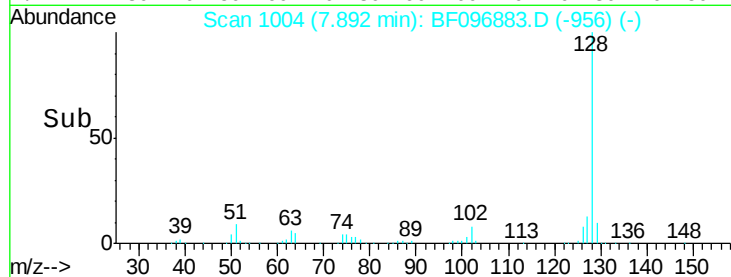
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 3.90 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.07 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Tgt Ion:127 Resp: 36798

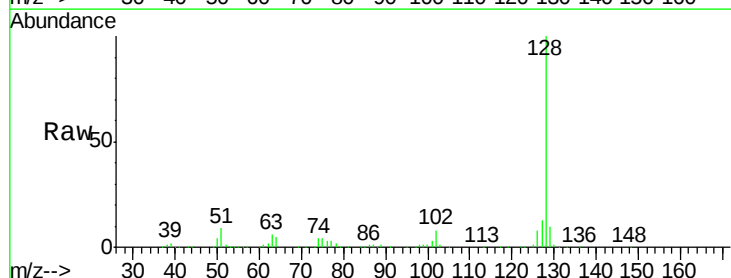
Ion Ratio Lower Upper

127 100

129 79.4 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

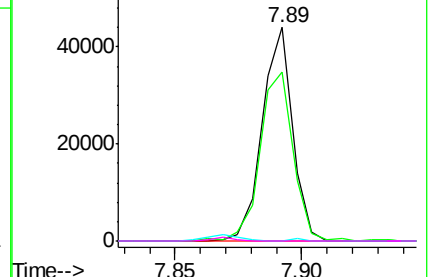
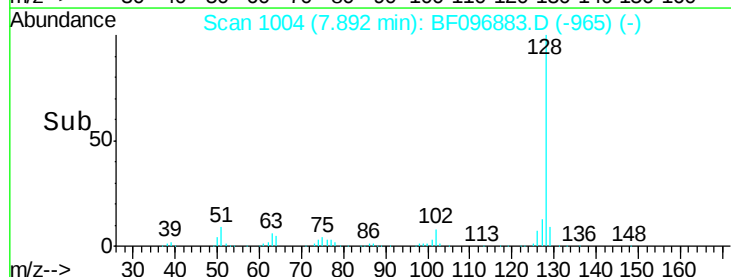


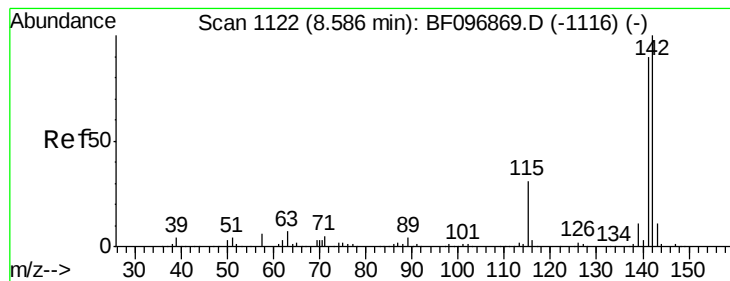
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

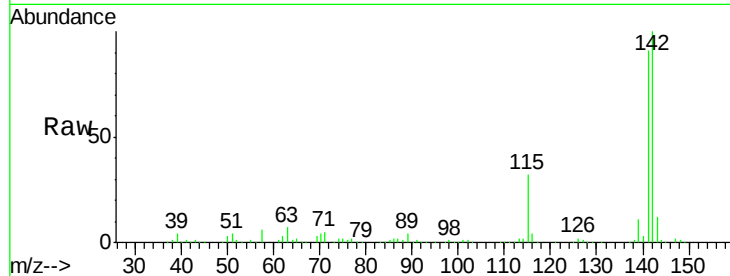




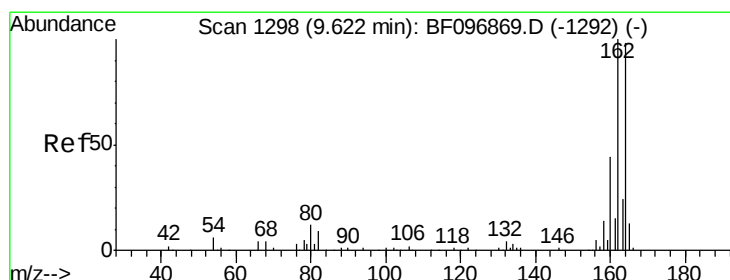
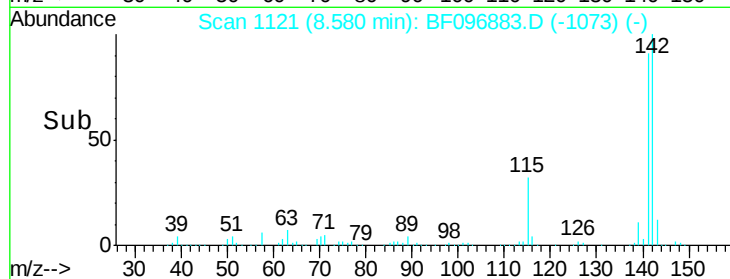
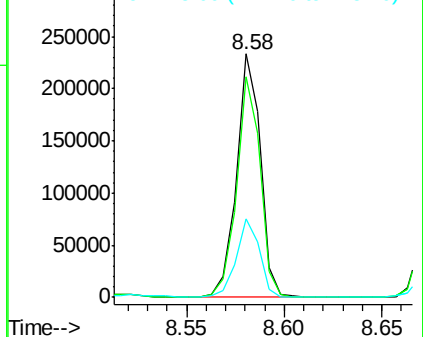
#37
 2-Methylnaphthalene
 Concen: 12.97 ng
 RT: 8.58 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	32.5	27.1	40.7

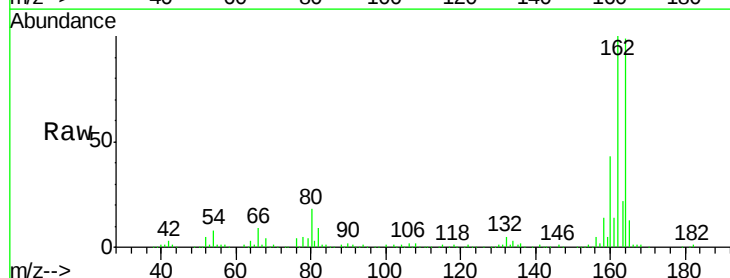


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

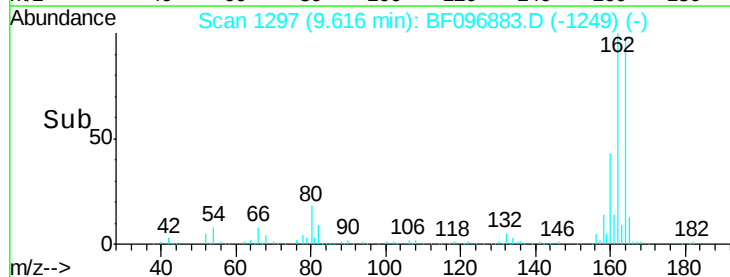
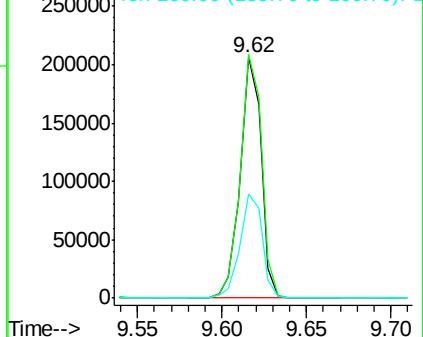


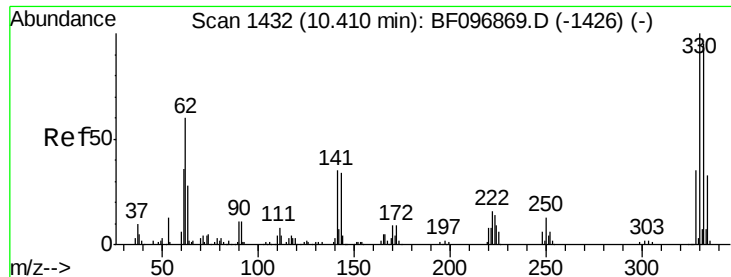
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	43.3	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: 83.69 ng

RT: 10.40 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

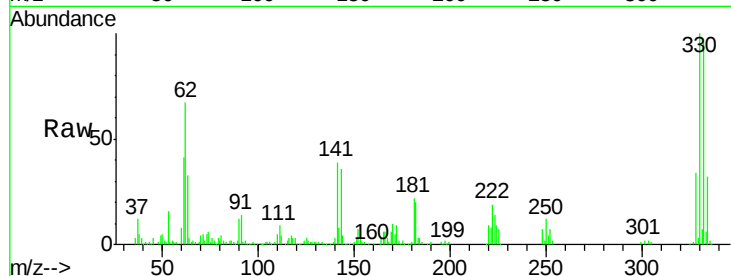
Tot Ion:330 Resp: 127557

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

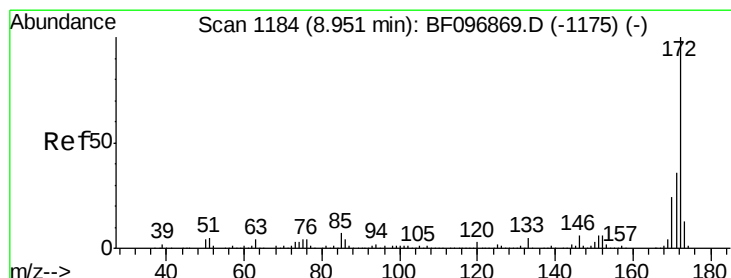
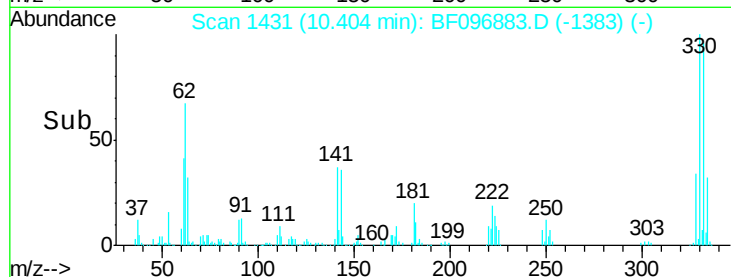
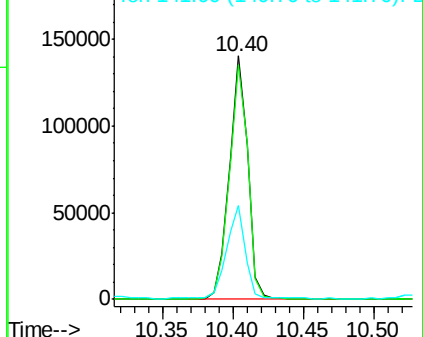
141 37.2 31.4 47.2



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: 71.20 ng

RT: 8.95 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

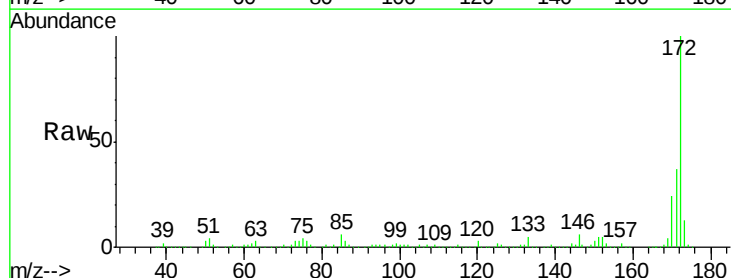
Tgt Ion:172 Resp: 804721

Ion Ratio Lower Upper

172 100

171 37.1 29.6 44.4

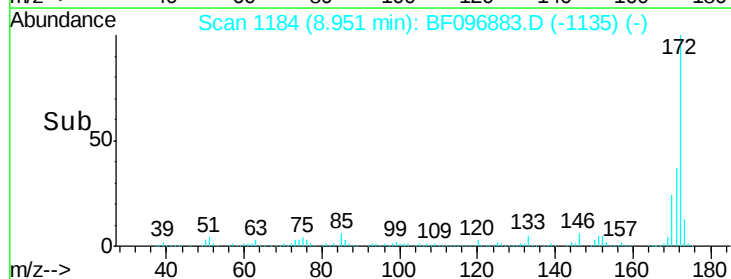
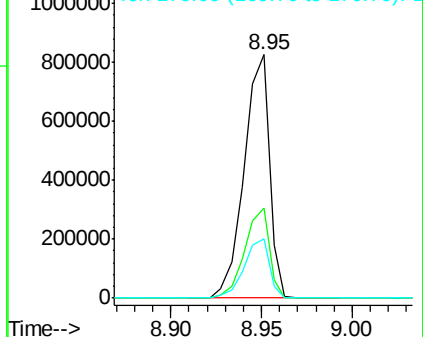
170 24.2 19.8 29.8

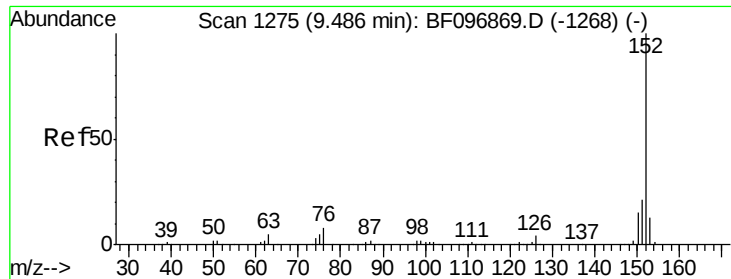


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 6.75 ng

RT: 9.47 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

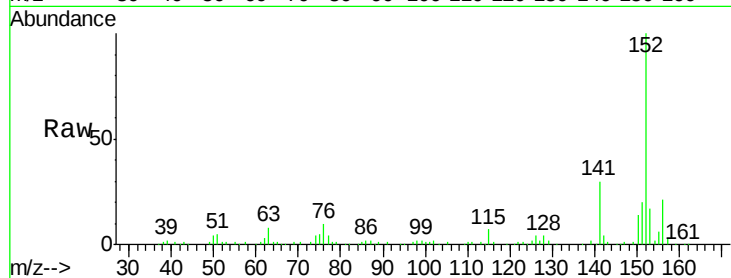
Tot Ion:152 Resp: 121258

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

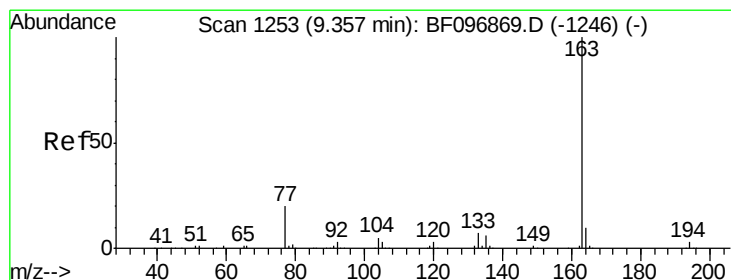
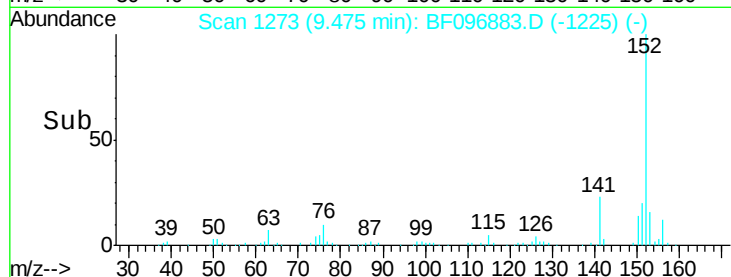
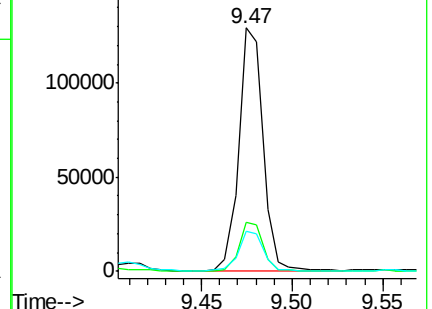
153 16.7 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.17 ng

RT: 9.35 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

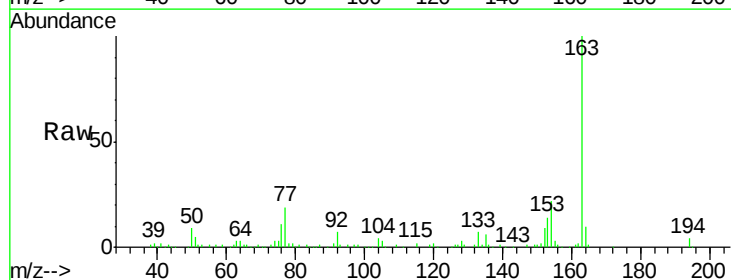
Tgt Ion:163 Resp: 96364

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

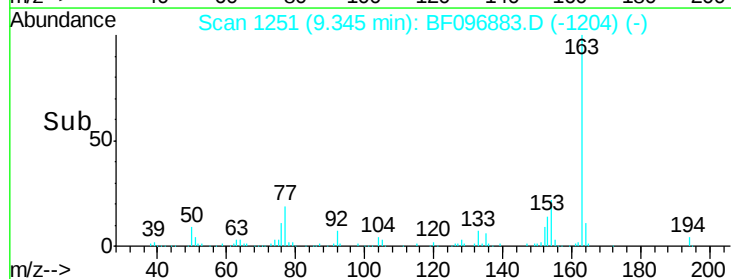
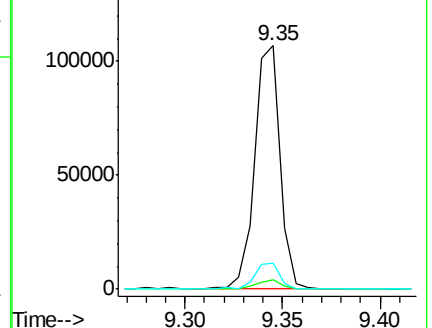
164 10.5 8.4 12.6

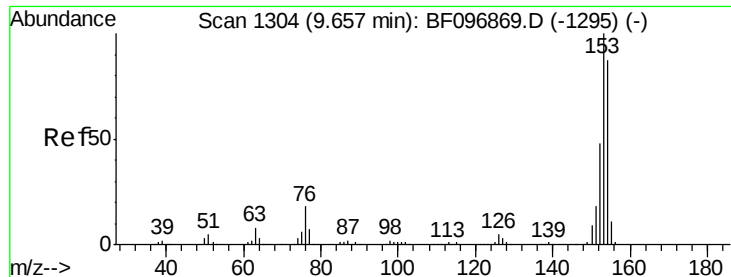


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 10.23 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

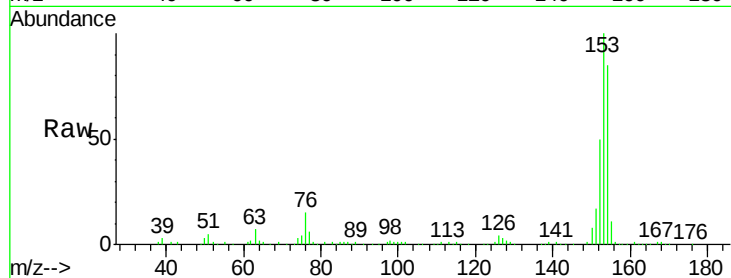
Tot Ion:154 Resp: 108541

Ion Ratio Lower Upper

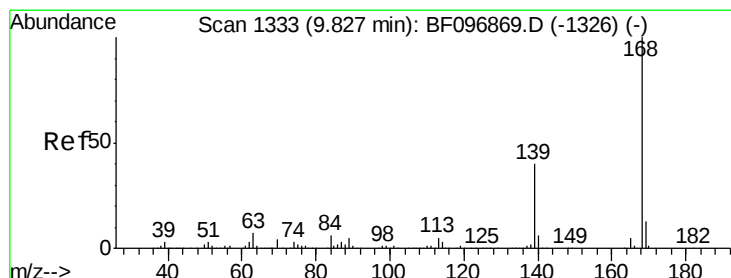
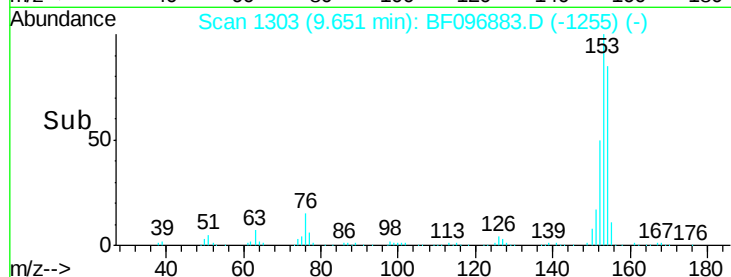
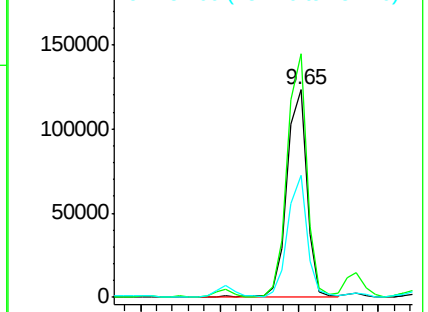
154 100

153 117.3 90.5 135.7

152 58.5 43.6 65.4



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



#54

Dibenzofuran

Concen: 6.62 ng

RT: 9.82 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

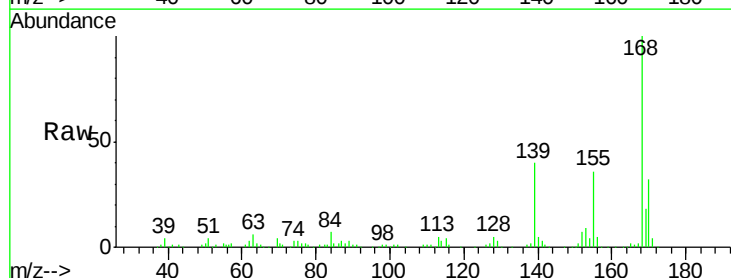
Tgt Ion:168 Resp: 98431

Ion Ratio Lower Upper

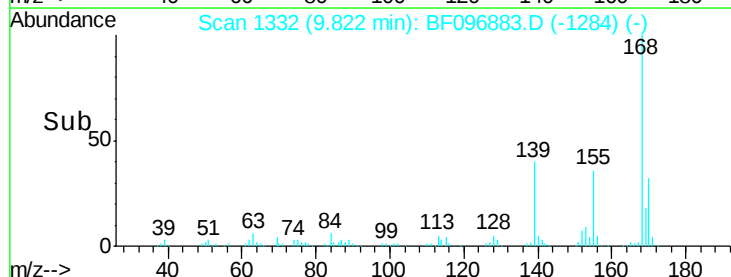
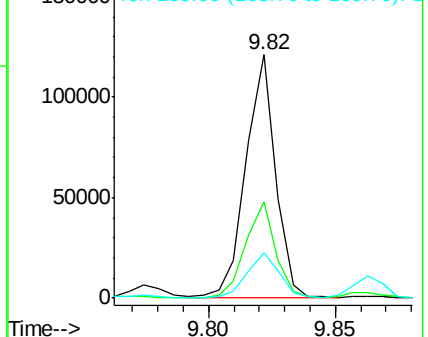
168 100

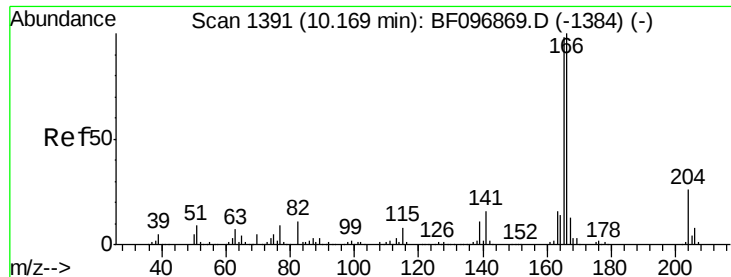
139 39.8 30.6 45.8

169 18.3 10.8 16.2#



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





#57

Fluorene

Concen: 24.29 ng

RT: 10.16 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

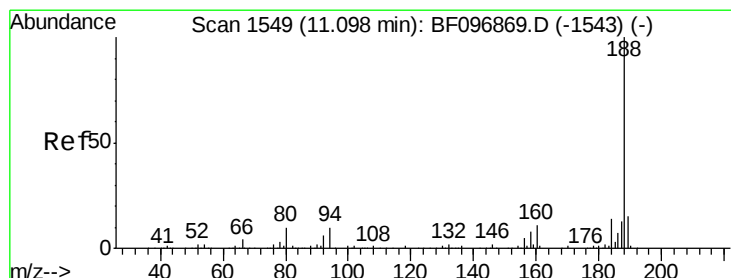
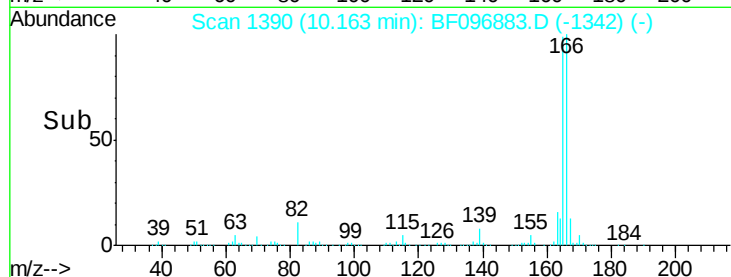
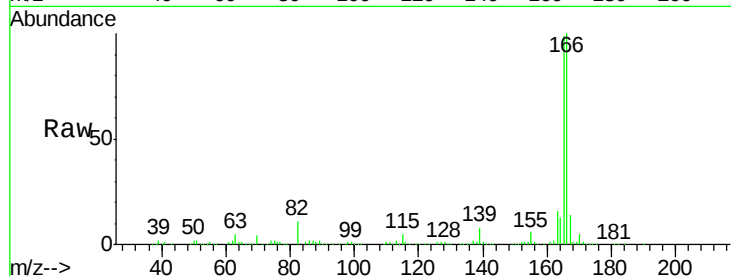
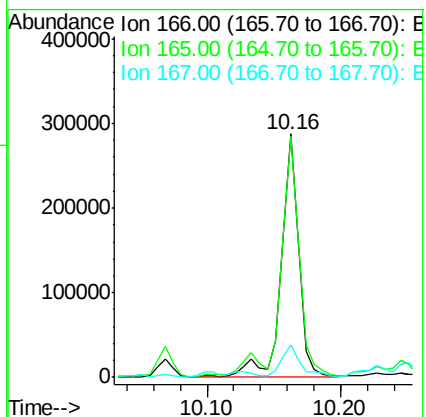
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 266947

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.5	10.6	16.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 1549

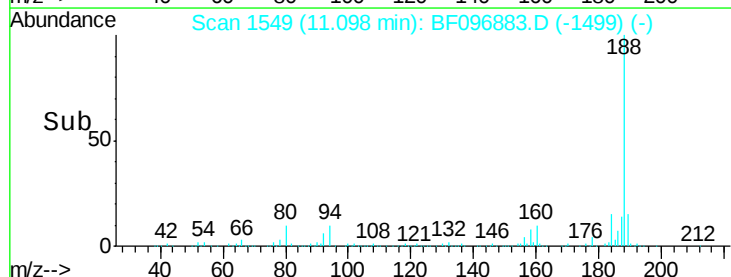
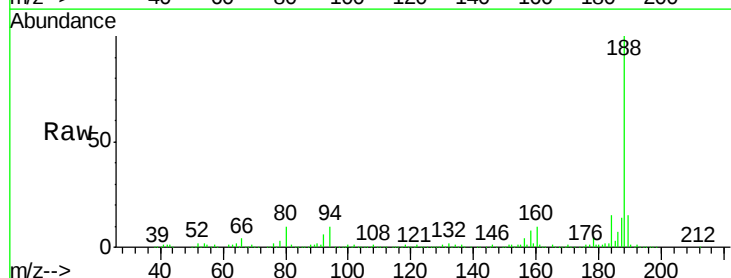
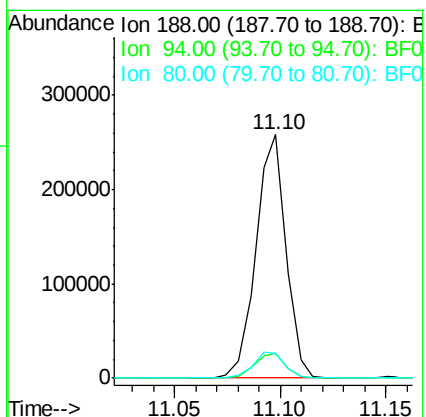
Delta R.T. -0.01 min

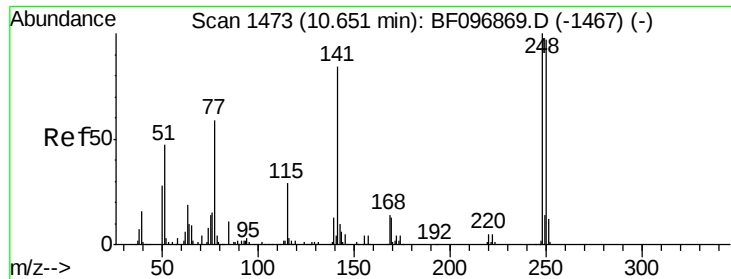
Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Tgt Ion:188 Resp: 254757

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.3	10.2	15.2

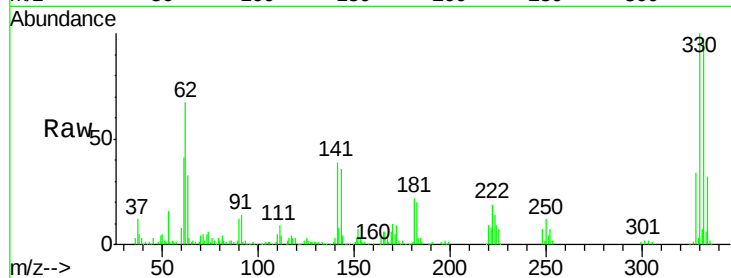




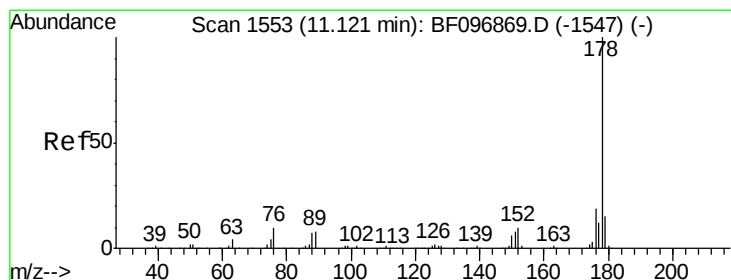
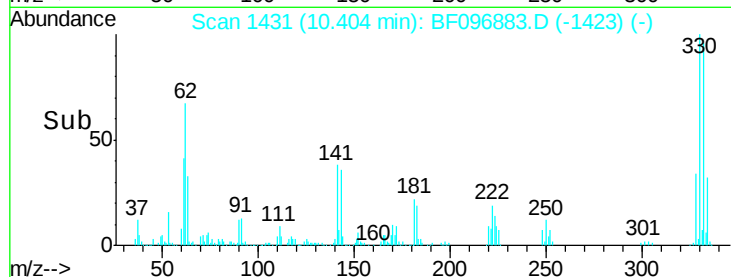
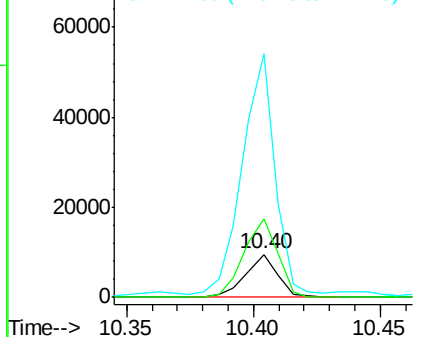
#66
 4-Bromophenyl-phenylether
 Concen: 3.24 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8438
 Ion Ratio Lower Upper
 248 100
 250 181.7 76.8 115.2#
 141 562.8 68.6 103.0#

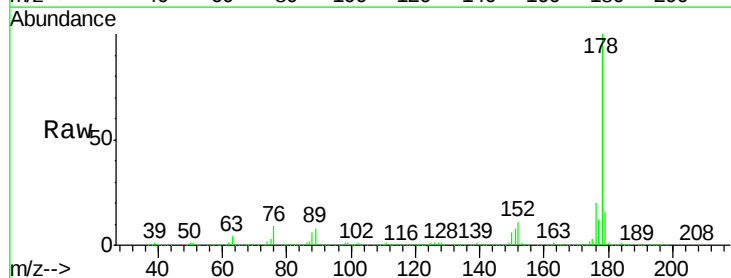


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

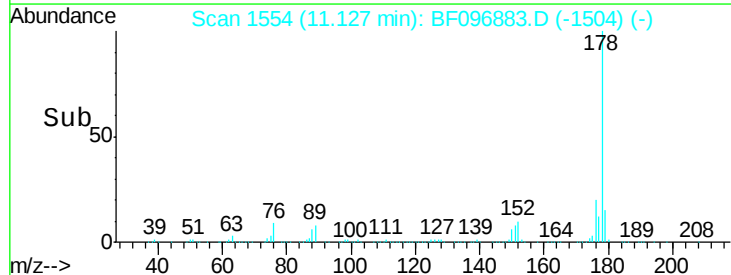
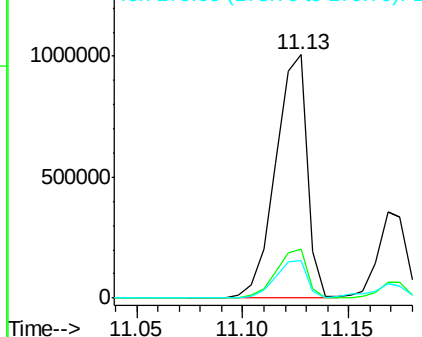


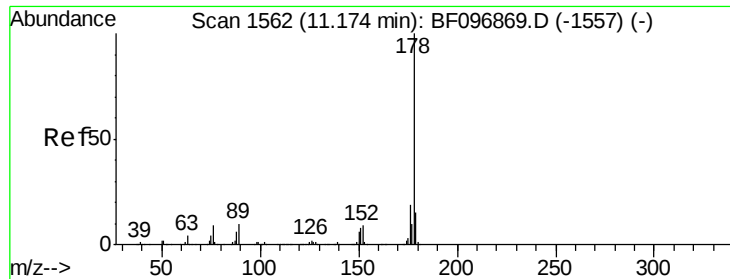
#70
 Phenanthrene
 Concen: 75.84 ng
 RT: 11.13 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Tgt Ion:178 Resp: 1050482
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.5 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

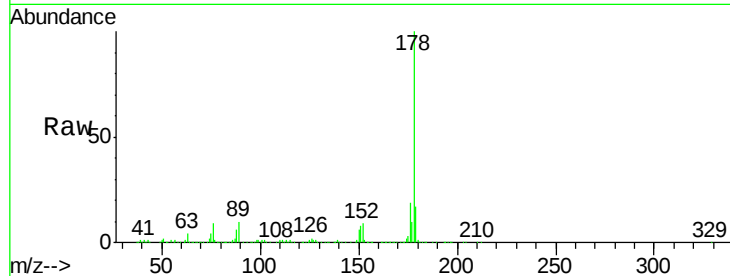




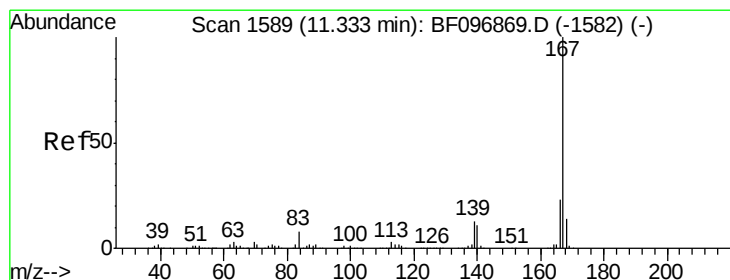
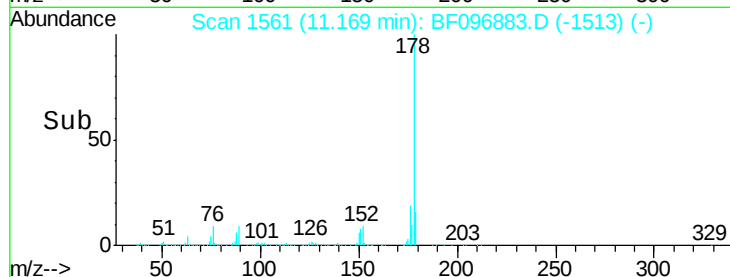
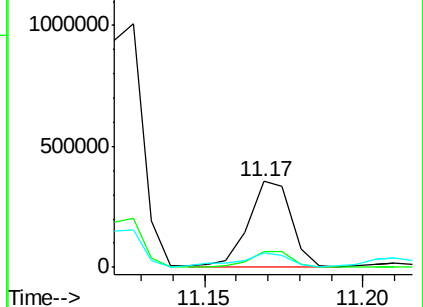
#71
 Anthracene
 Concen: 23.50 ng
 RT: 11.17 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 329173
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.5 12.7 19.1

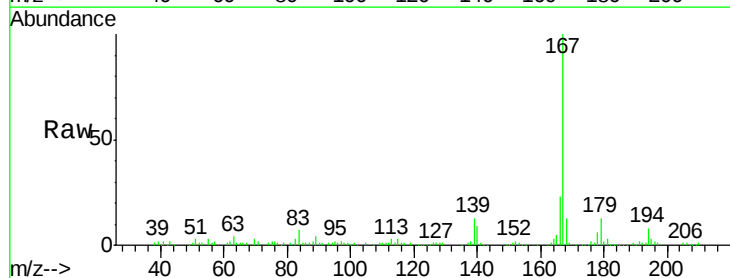


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

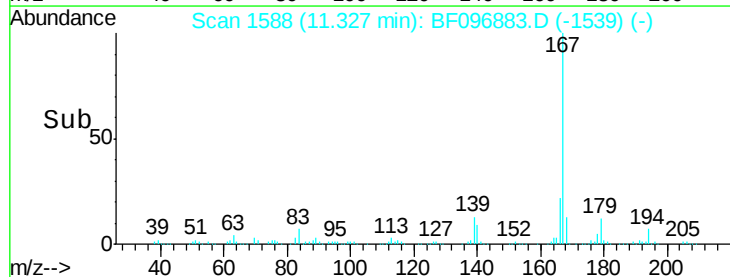
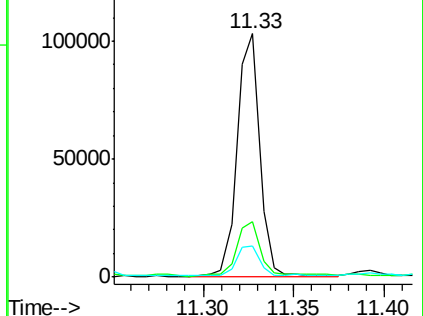


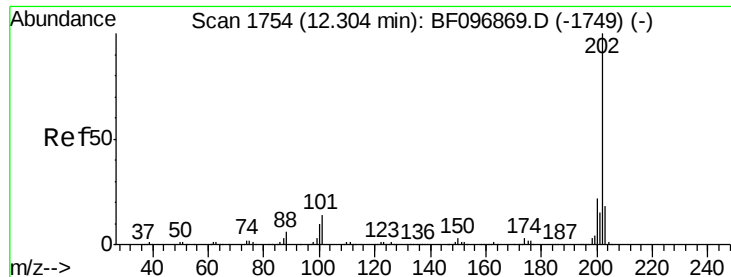
#72
 Carbazole
 Concen: 6.70 ng
 RT: 11.33 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Tgt Ion:167 Resp: 90857
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.1 27.1
 139 13.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

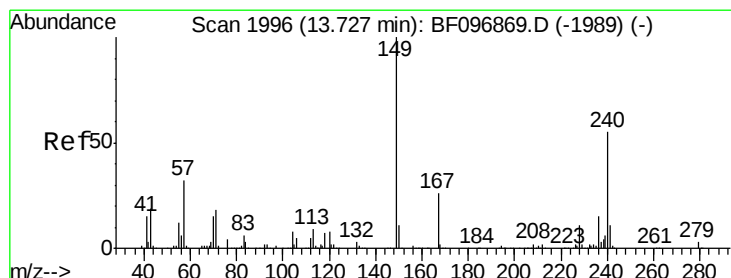
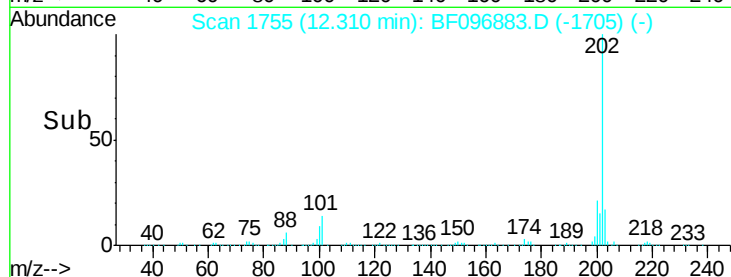
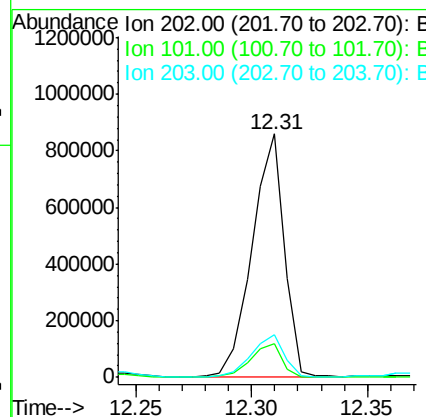
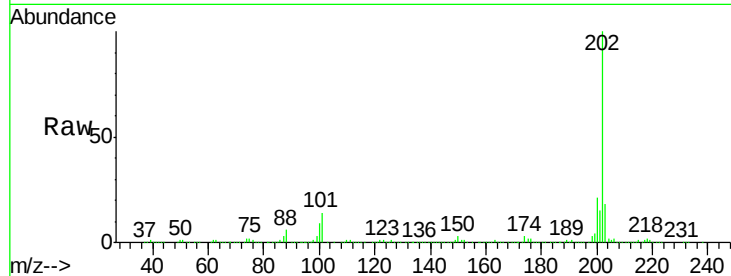




#74
Fluoranthene
Concen: 62.76 ng
RT: 12.31 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

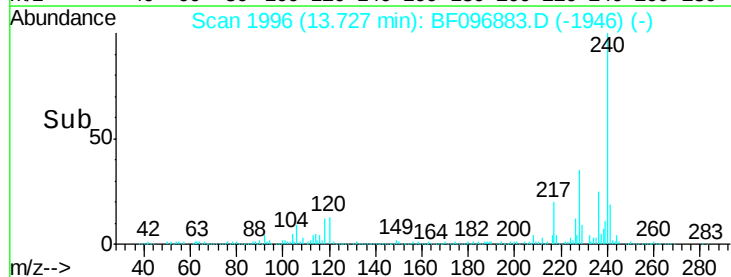
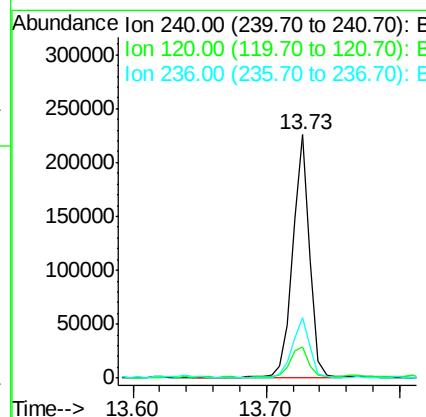
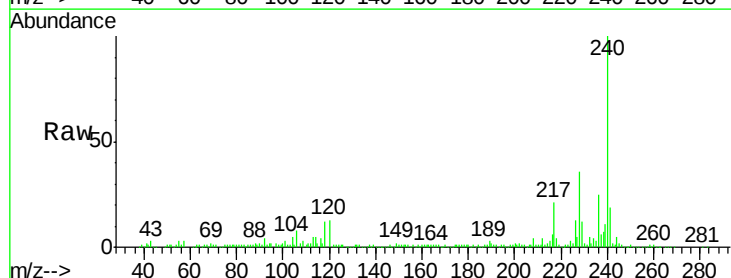
Instrument :
BNA_F
ClientSampled :

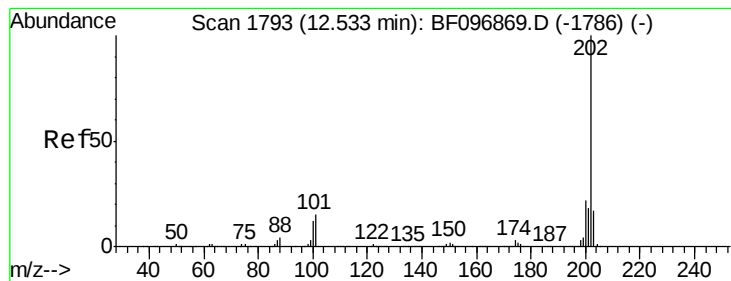
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.5	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	24.9	20.5	30.7





#77

Pvrene

Concen: 51.07 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

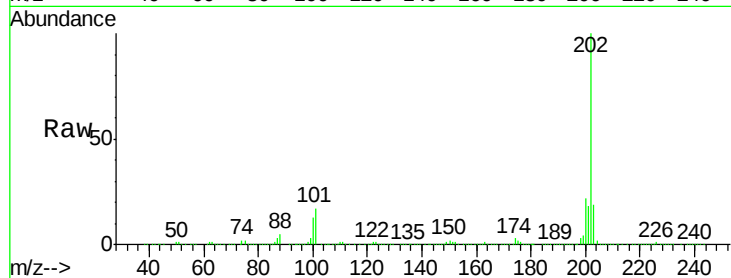
Tot Ion:202 Resp: 925516

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

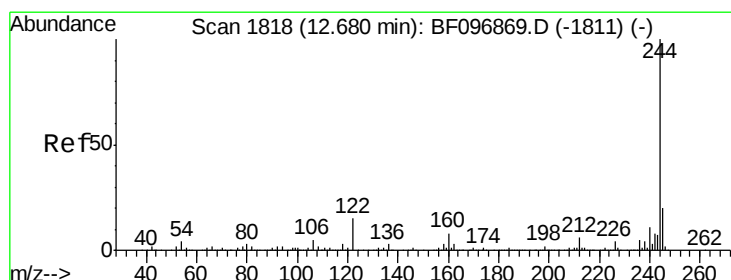
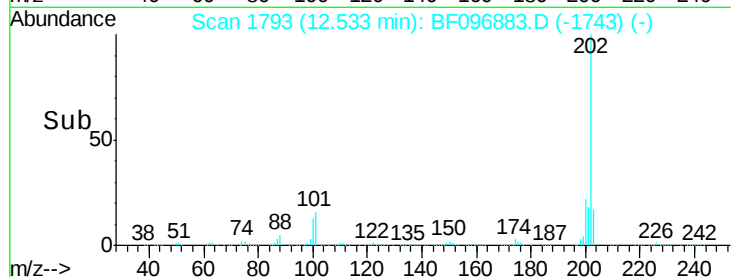
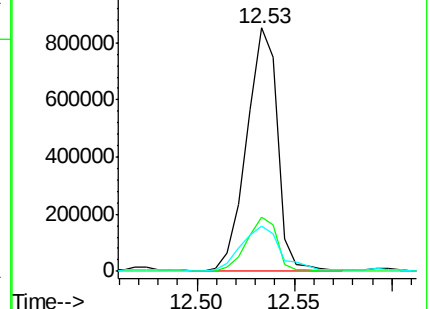
203 18.5 14.4 21.6



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: 38.39 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

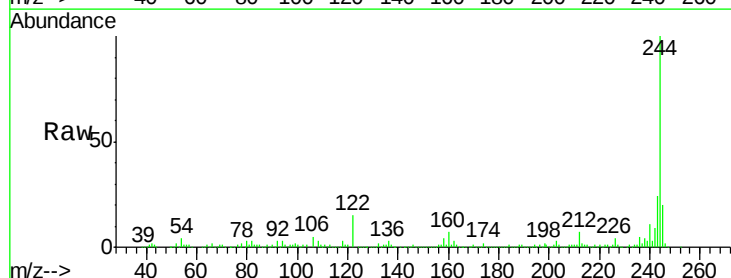
Tgt Ion:244 Resp: 441988

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

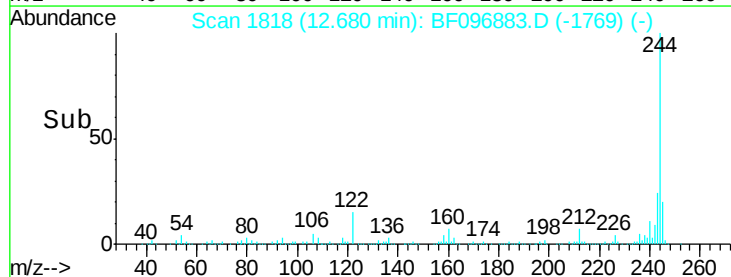
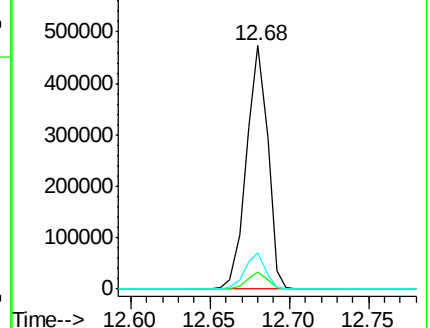
122 14.7 10.3 15.5

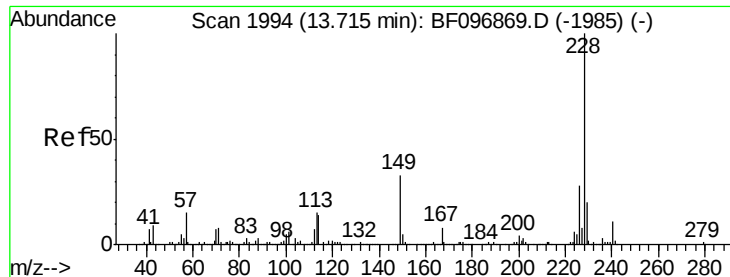


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 32.11 ng

RT: 13.72 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

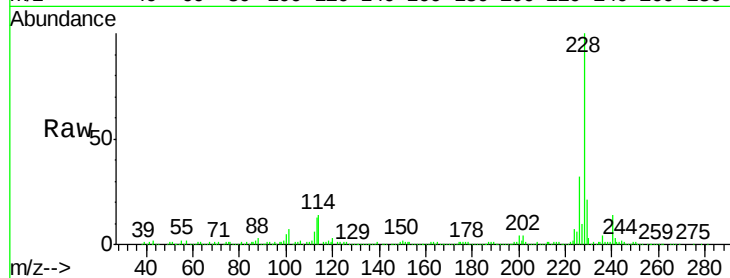
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 399559

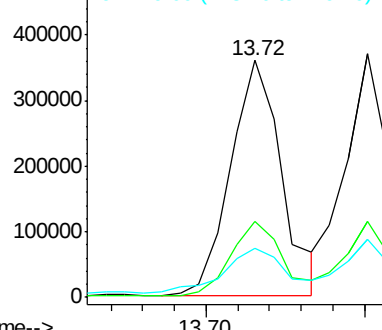
Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	20.8	16.3	24.5



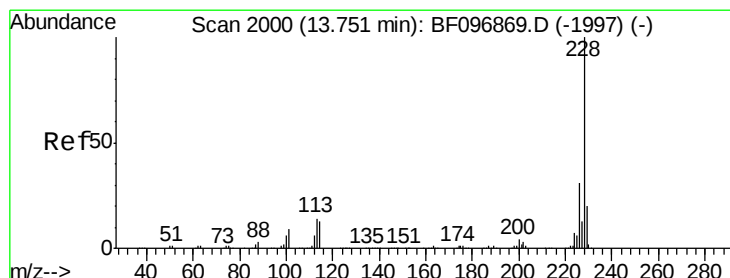
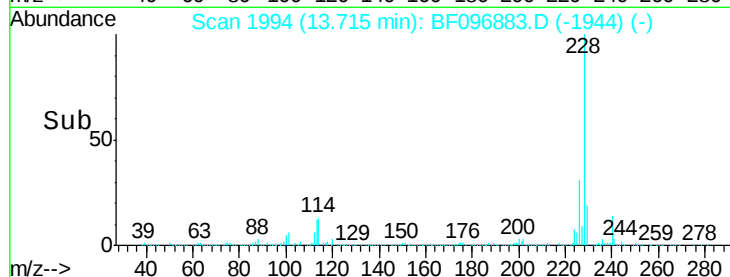
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 32.62 ng

RT: 13.72 min Scan# 1994

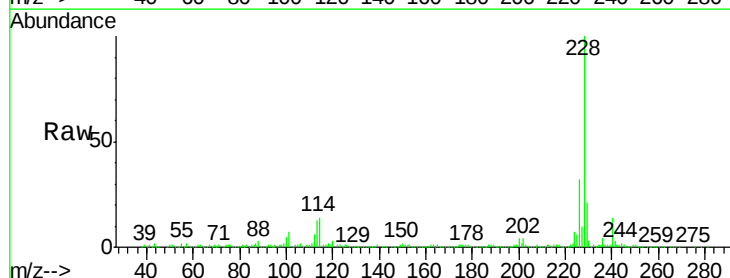
Delta R.T. -0.05 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Tgt Ion:228 Resp: 399559

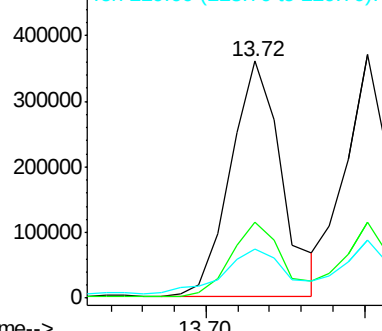
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.9	37.3
229	20.8	15.8	23.6



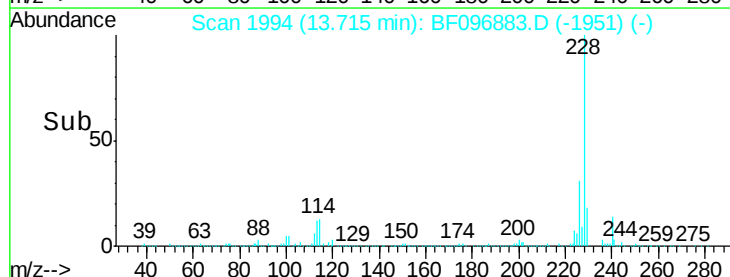
Abundance Ion 228.00 (227.70 to 228.70): E

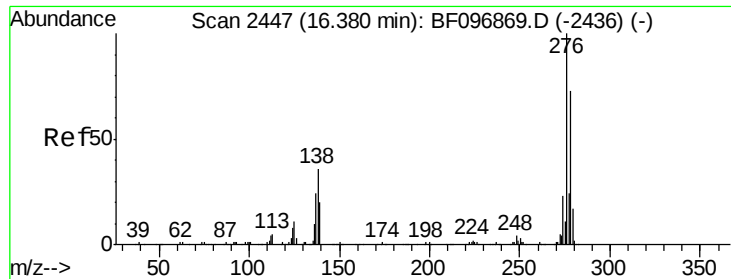
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

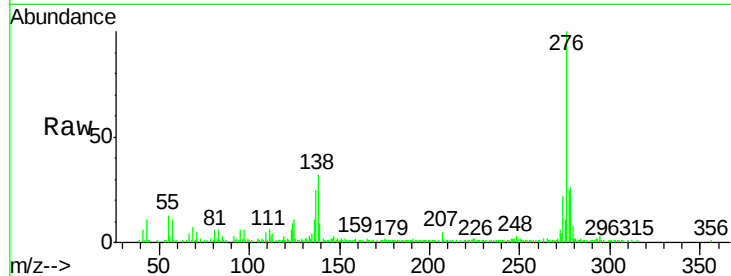




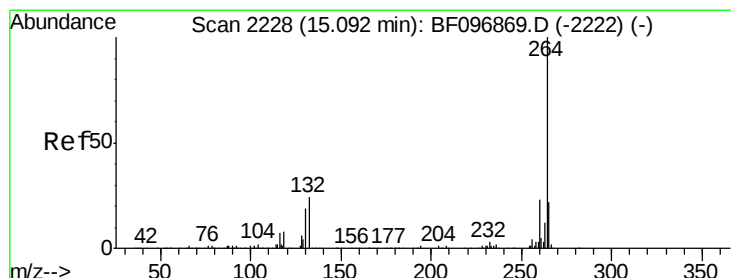
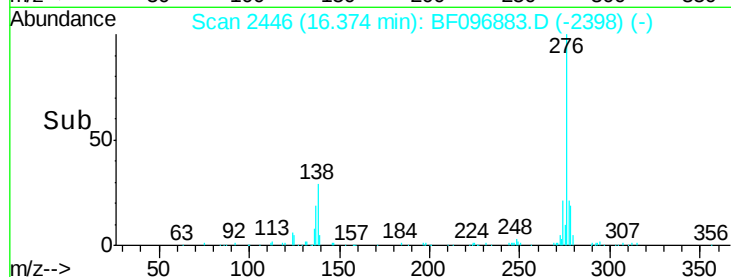
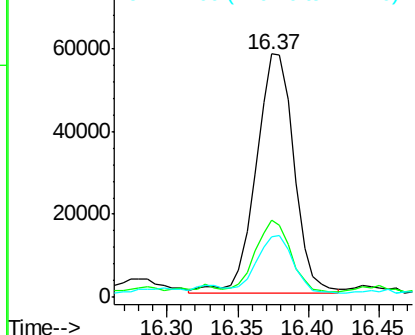
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.47 ng
 RT: 16.37 min Scan# 2446
 Delta R.T. -0.02 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	27.8	41.6
277	23.7	20.2	30.4

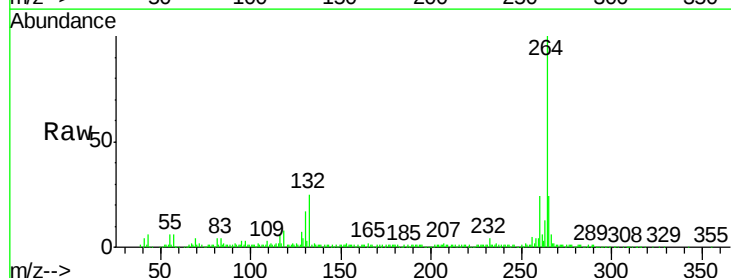


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

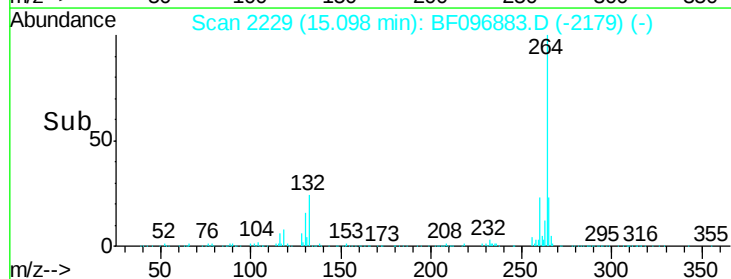
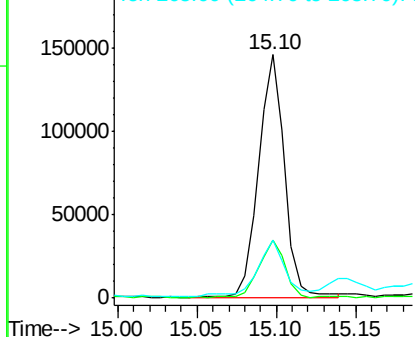


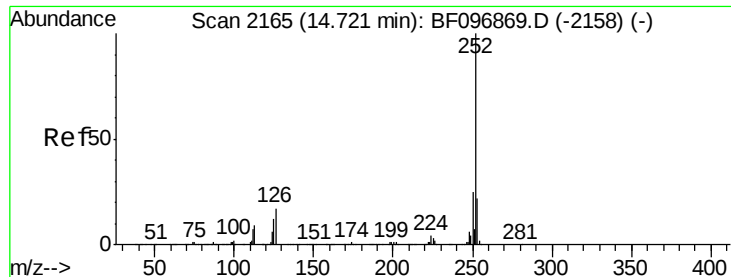
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF096883.D
 Acq: 19 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	23.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.36 ng

RT: 14.73 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

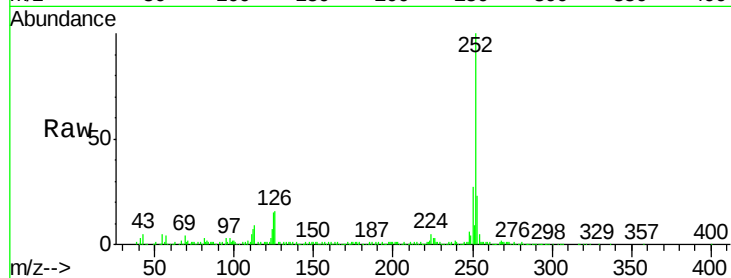
Tot Ion:252 Resp: 413041

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

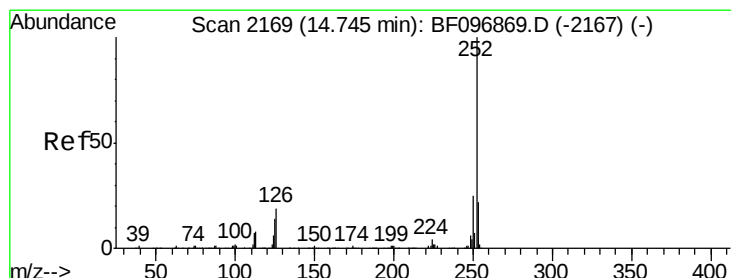
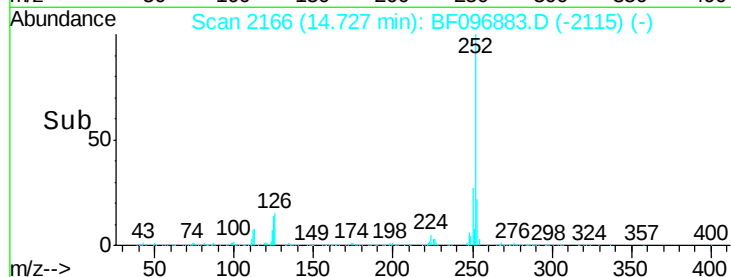
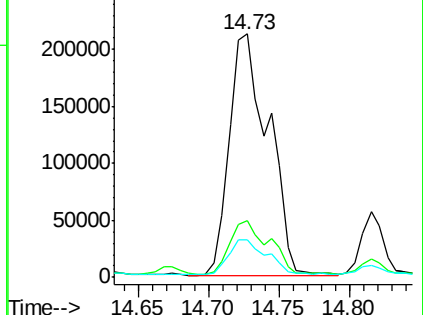
125 15.3 9.8 14.8#



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: 43.68 ng

RT: 14.73 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

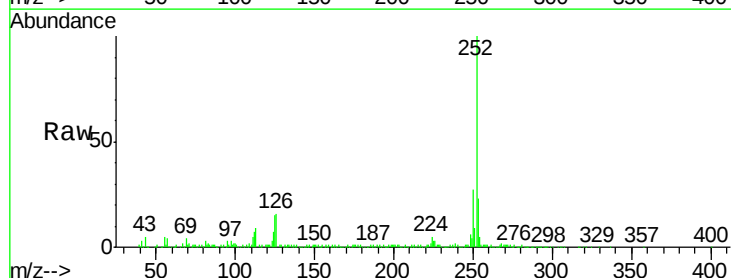
Tgt Ion:252 Resp: 413041

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

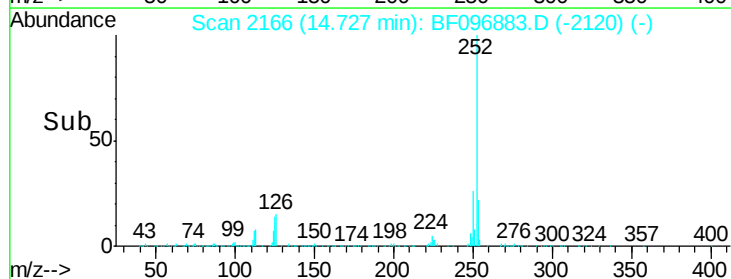
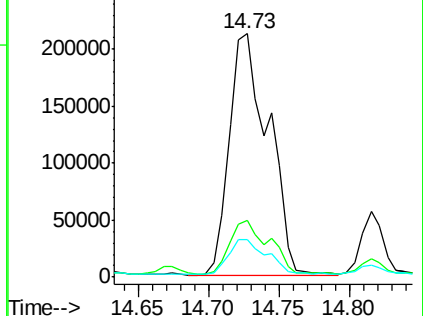
125 15.3 13.1 19.7

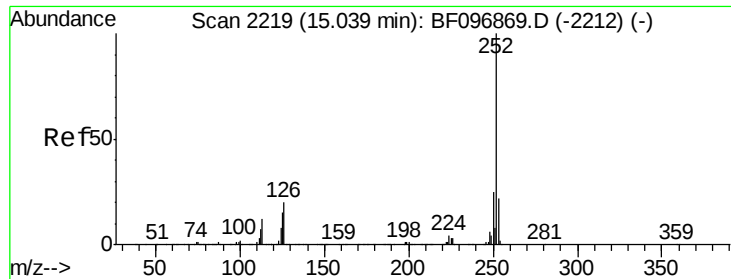


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

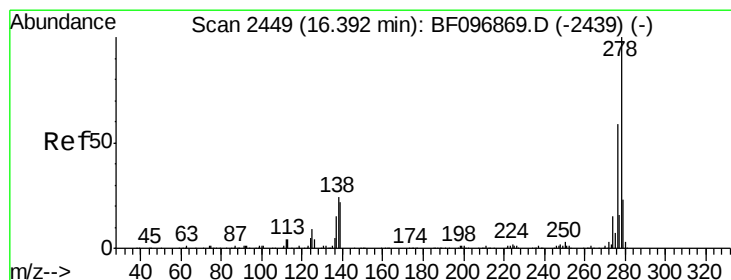
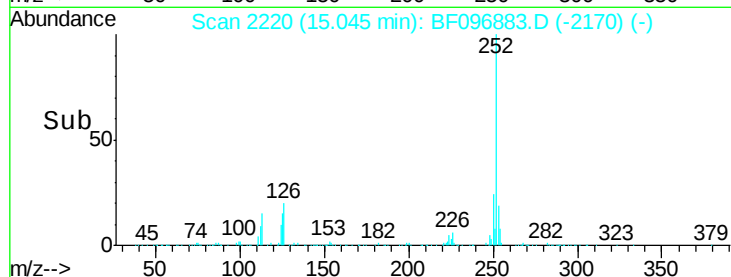
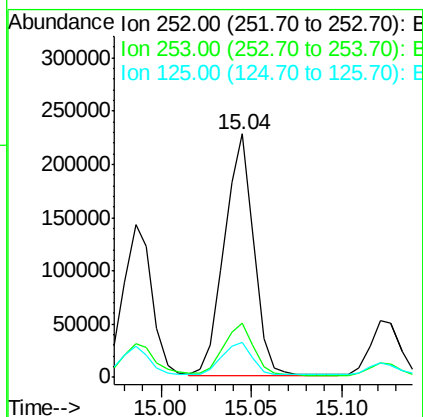
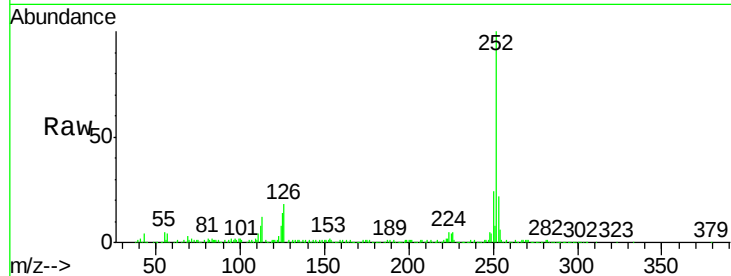




#89
Benzo(a)pyrene
Concen: 28.07 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

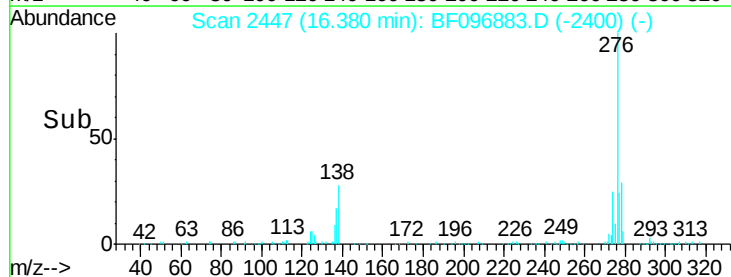
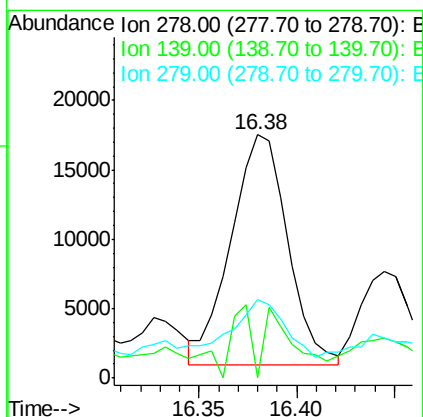
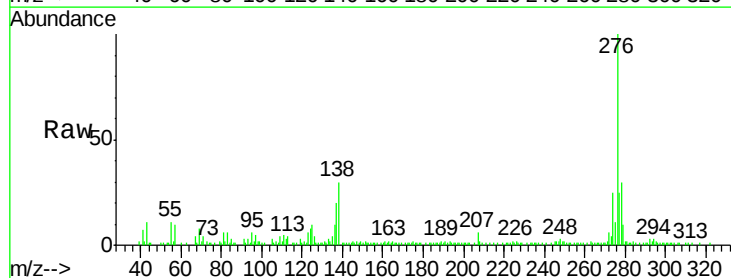
Instrument :
BNA_F
ClientSampleId :

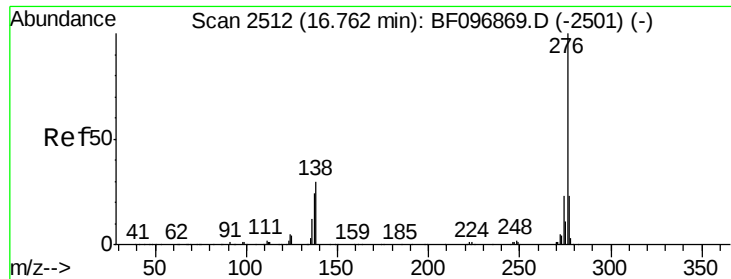
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.2	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 3.96 ng
RT: 16.38 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BF096883.D
Acq: 19 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	32.1	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 12.33 ng

RT: 16.76 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF096883.D

Acq: 19 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 111269

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 29.8 25.4 38.0

