

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096451.D
 Acq On : 3 Jul 2017 19:53
 Operator : SJ/MA
 Sample : I3991-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 01:15:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117531	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	460652	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	188178	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	287495	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	224519	20.00	ng	0.00
86) Perylene-d12	15.29	264	156133	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	918641	115.36	ng	0.00
7) Phenol-d6	6.37	99	1094787	111.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	593074	77.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	146898	99.94	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	915634	83.19	ng	-0.01
78) Terphenyl-d14	12.83	244	655503	62.39	ng	0.00

Target Compounds

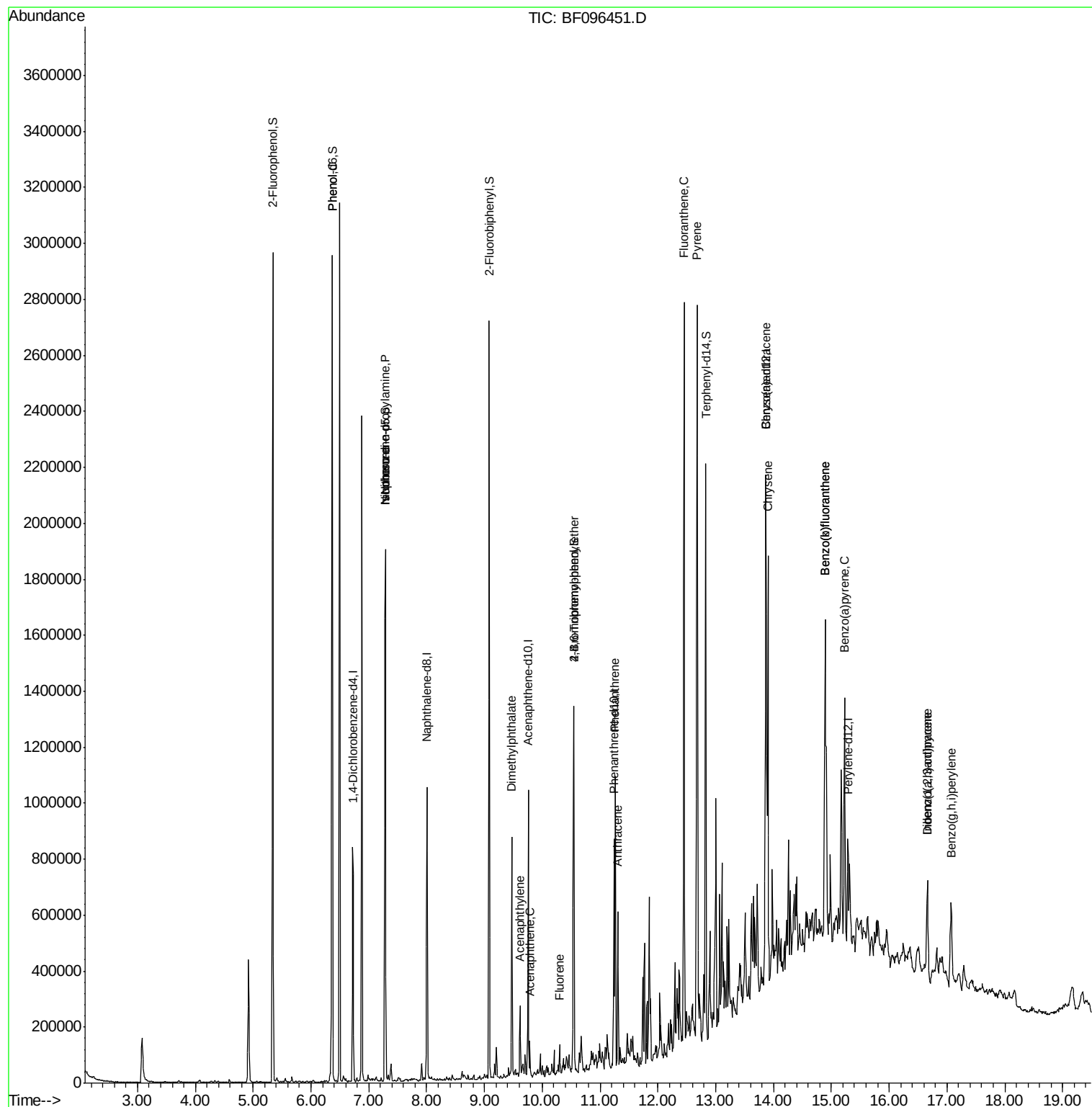
						Qvalue
10) Phenol	6.37	94	58980	5.29	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	79491	13.63	ng	# 89
25) Isophorone	7.29	82	590064	39.70	ng	# 67
48) Acenaphthylene	9.62	152	94204	4.95	ng	98
49) Dimethylphthalate	9.47	163	319649	22.75	ng	100
51) Acenaphthene	9.79	154	24550	2.09	ng	98
57) Fluorene	10.30	166	28228	2.58	ng	99
66) 4-Bromophenyl-phenylether	10.55	248	9816	3.51	ng	# 1
70) Phenanthrene	11.26	178	373230	24.02	ng	99
71) Anthracene	11.31	178	185774	11.73	ng	98
74) Fluoranthene	12.46	202	1207033	79.22	ng	99
77) Pyrene	12.68	202	1203085	66.76	ng	99
80) Benzo(a)anthracene	13.86	228	694890	53.45	ng	96
82) Chrysene	13.90	228	624940	45.90	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	229401	21.35	ng	95
87) Benzo(b)fluoranthene	14.89	252	845771	86.45	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	845771	96.65	ng	99
89) Benzo(a)pyrene	15.23	252	416523	47.69	ng	96
90) Dibenzo(a,h)anthracene	16.67	278	65547	9.54	ng	# 89
91) Benzo(a,h,i)perylene	17.07	276	222716	31.28	ng	95

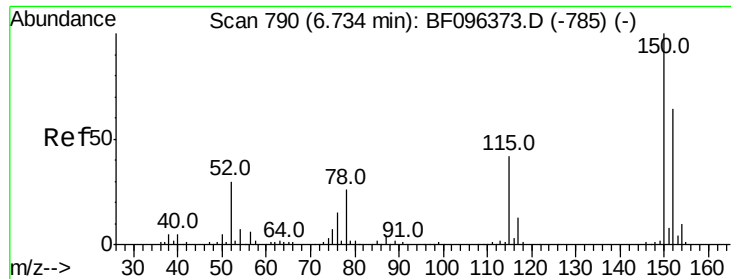
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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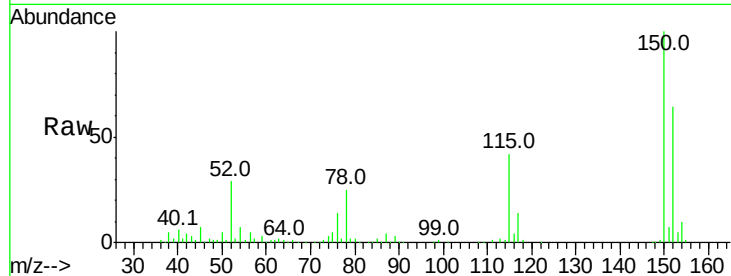


#1

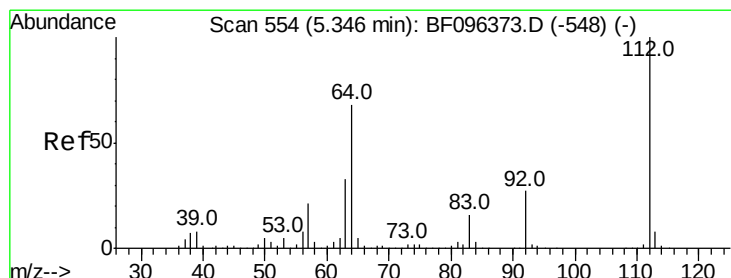
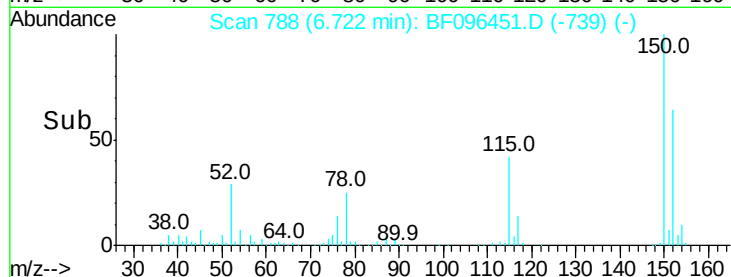
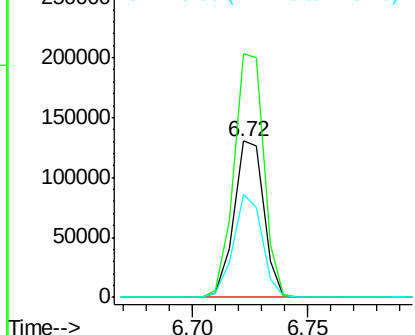
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117531
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 66.1 52.2 78.2



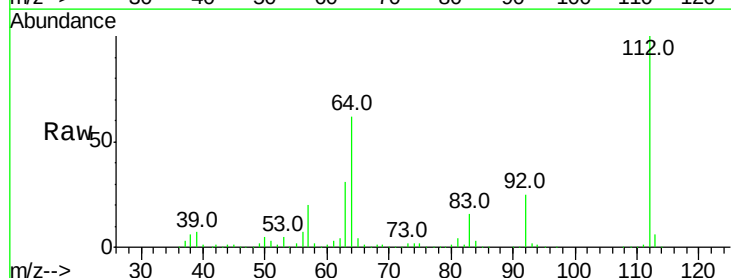
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



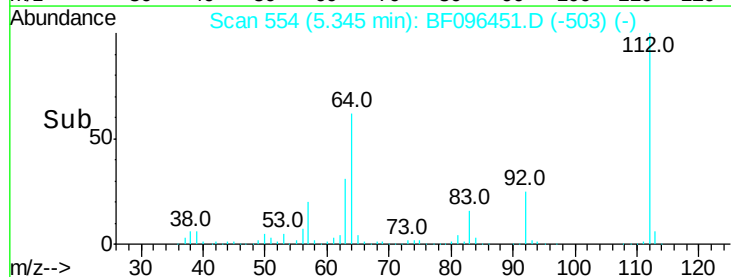
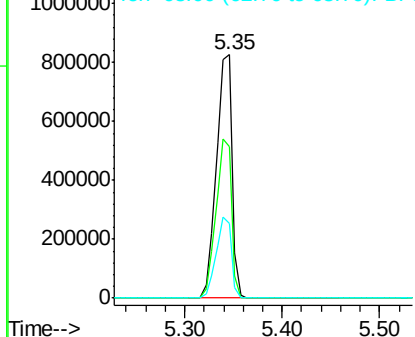
#5

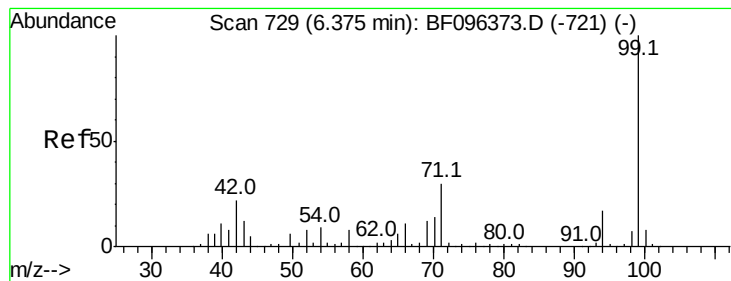
2-Fluorophenol
Concen: 115.36 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Tgt Ion:112 Resp: 918641
Ion Ratio Lower Upper
112 100
64 62.1 46.0 69.0
63 30.8 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: 111.83 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

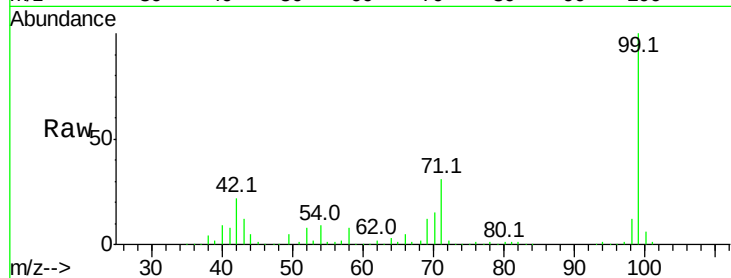
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1094787

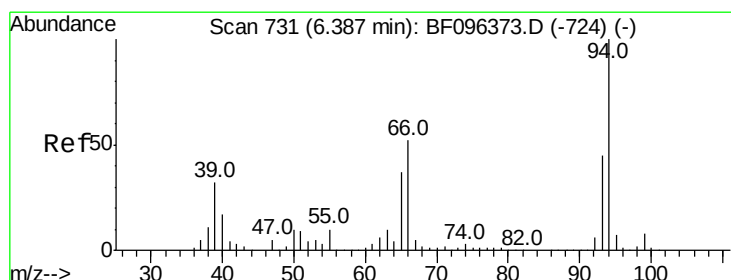
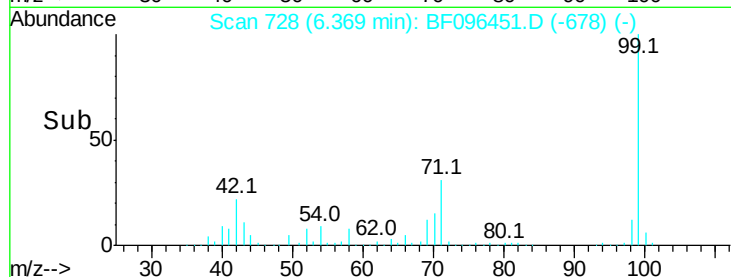
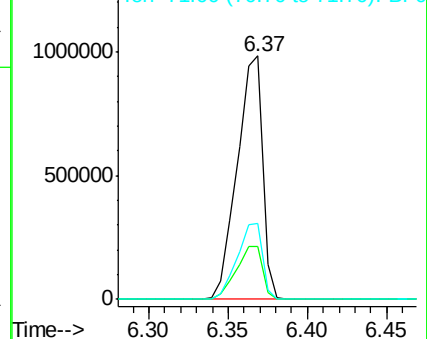
Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	31.3	24.5	36.7



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: 5.29 ng

RT: 6.37 min Scan# 729

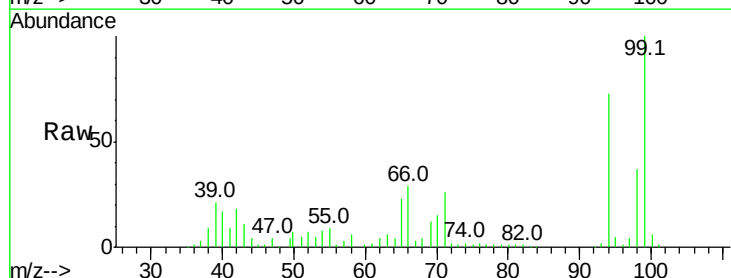
Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Tgt Ion: 94 Resp: 58980

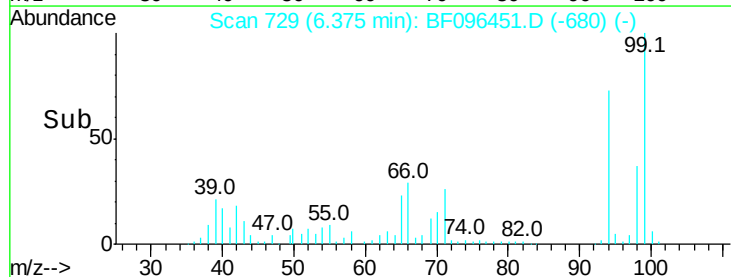
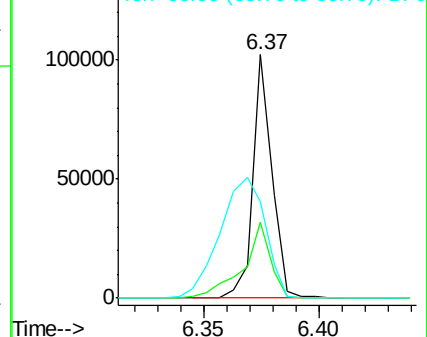
Ion	Ratio	Lower	Upper
94	100		
65	31.1	9.9	49.9
66	39.7	23.1	63.1

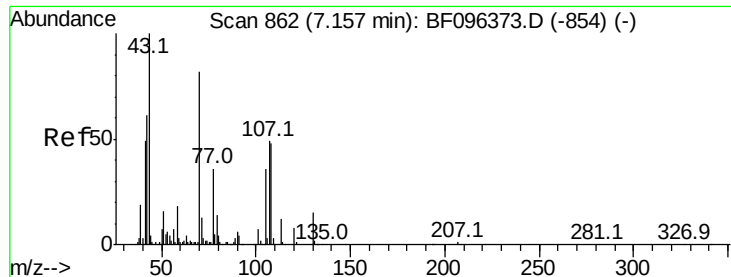


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

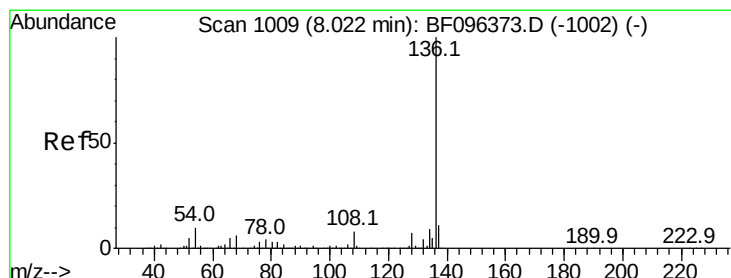
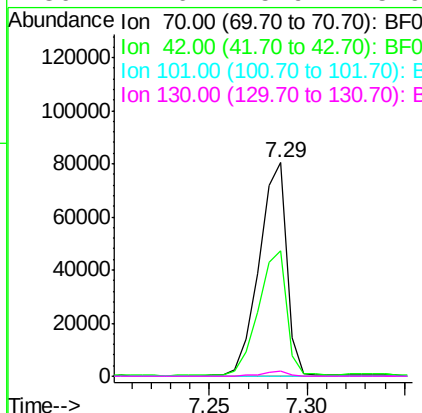
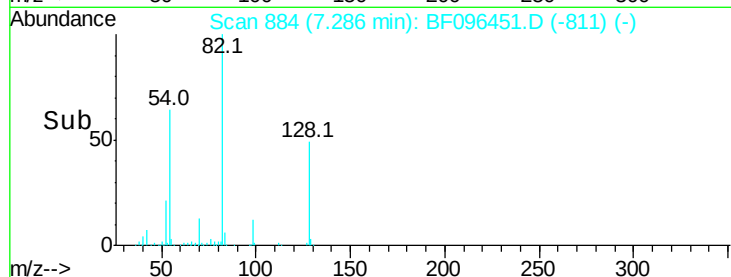
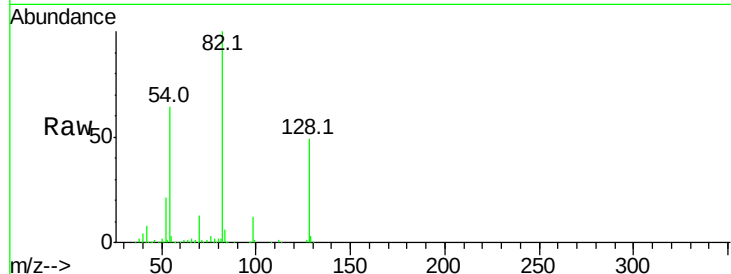




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.63 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.13 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

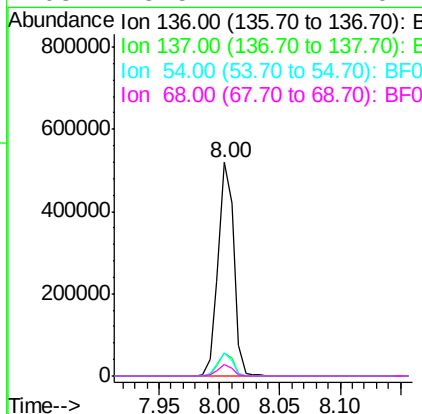
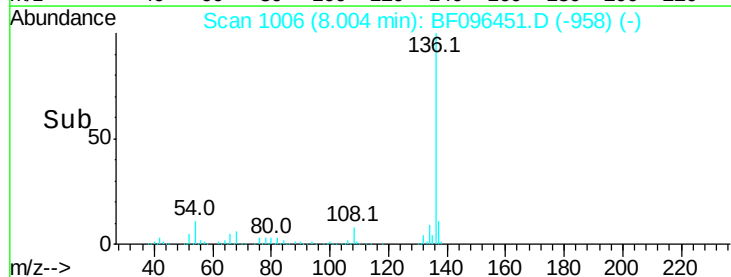
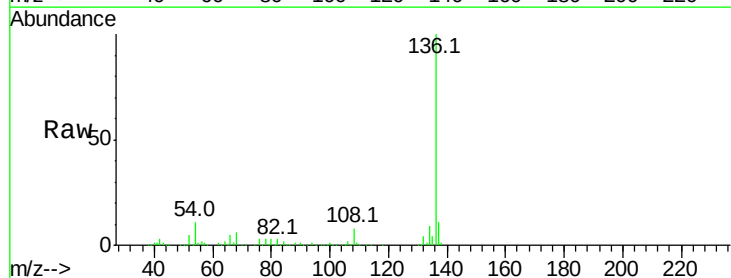
Instrument :
 BNA_F
 ClientSampleId :

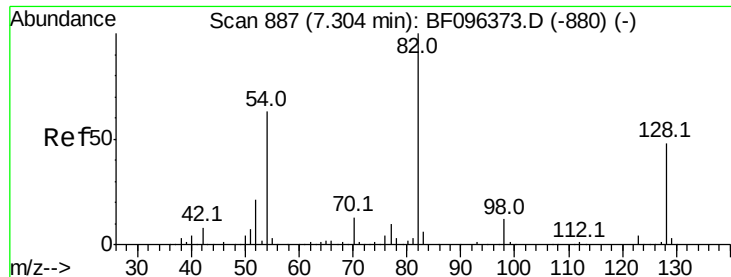
Tot Ion: 70 Resp: 79491
 Ion Ratio Lower Upper
 70 100
 42 58.9 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.6 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion: 136 Resp: 460652
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.5 12.7
 54 11.0 4.9 7.3#
 68 5.5 4.1 6.1

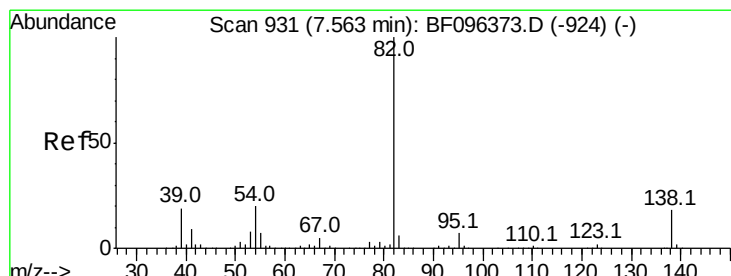
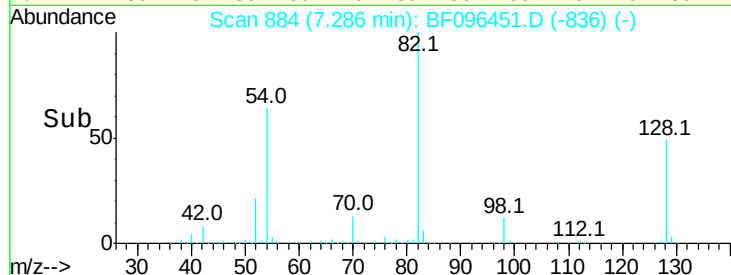
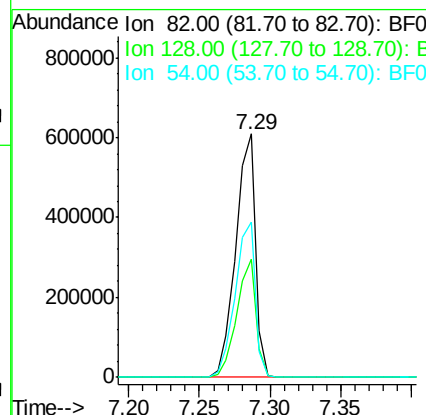
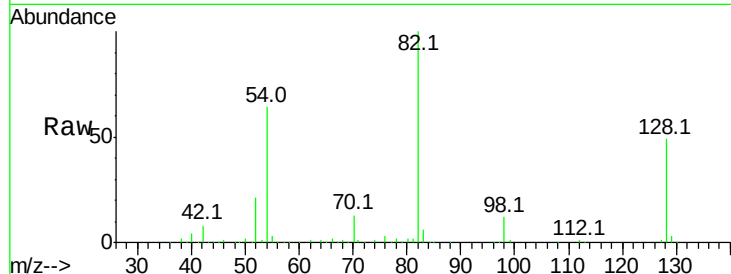




#23
 Nitrobenzene-d5
 Concen: 77.36 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

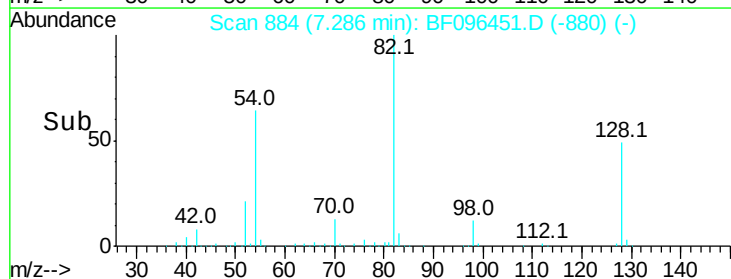
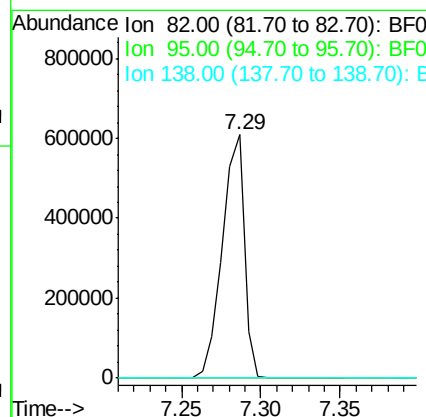
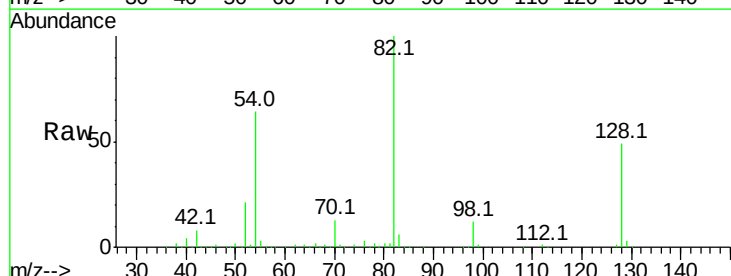
Instrument :
 BNA_F
 ClientSampleId :

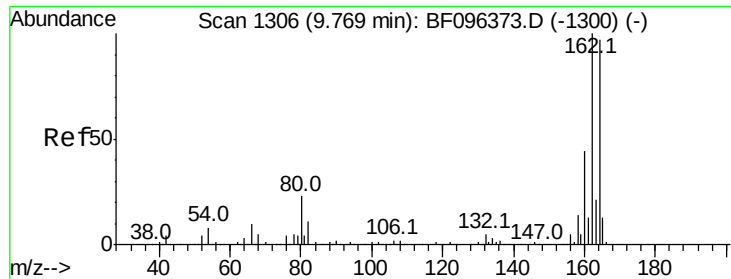
Tot Ion	82	Resp	593074
Ion Ratio	100	Lower	Upper
128	48.7	34.0	51.0
54	63.8	42.2	63.2#



#25
 Isophorone
 Concen: 39.70 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.28 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion	82	Resp	590064
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

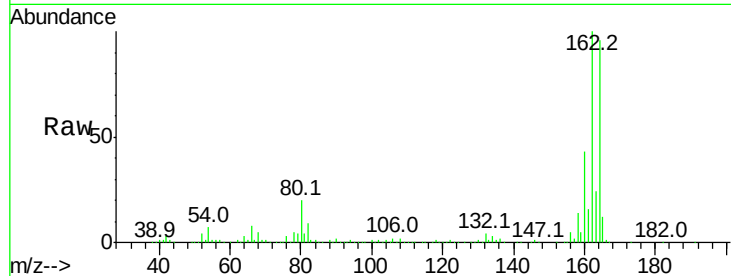




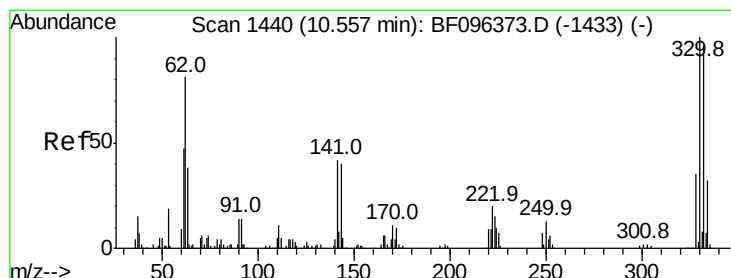
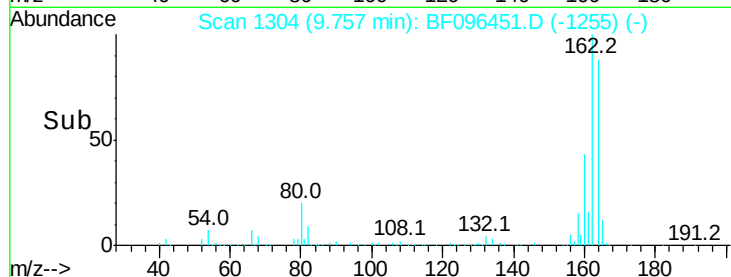
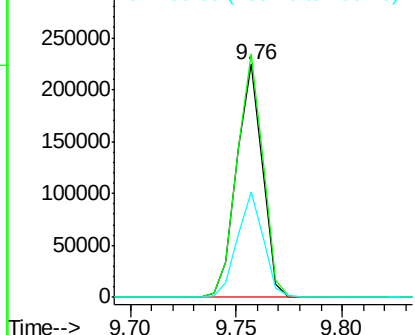
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 188178
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.6 123.8
 160 45.0 36.2 54.2

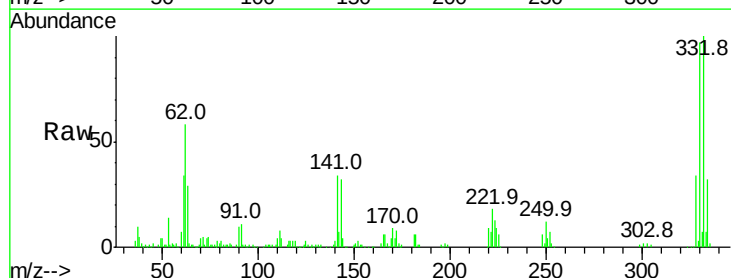


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

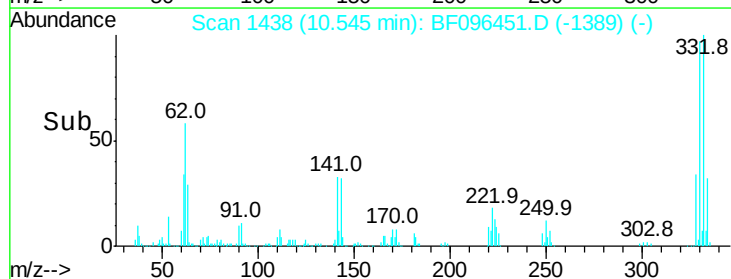
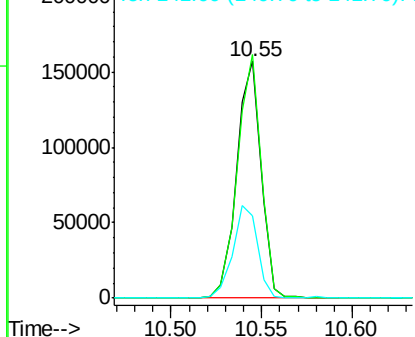


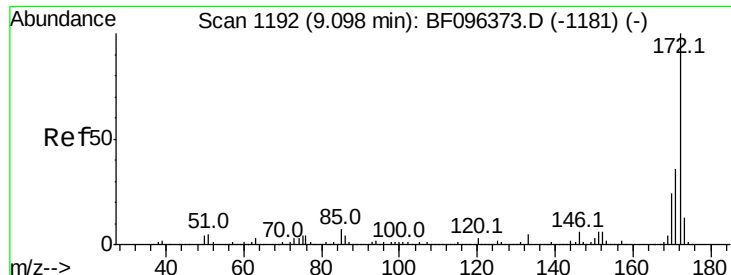
#41
 2,4,6-Tribromophenol
 Concen: 99.94 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion:330 Resp: 146898
 Ion Ratio Lower Upper
 330 100
 332 99.8 76.6 115.0
 141 39.0 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



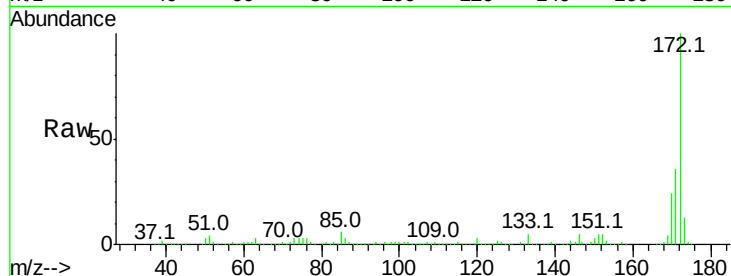


#44
 2-Fluorobiphenyl
 Concen: 83.19 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

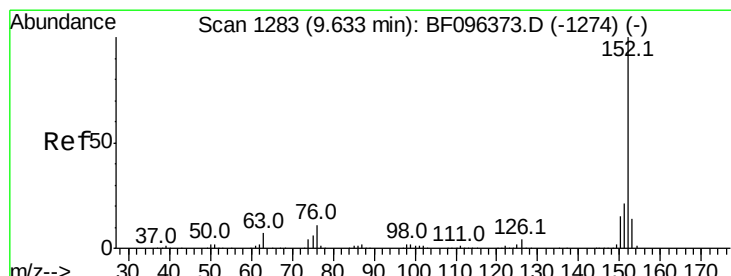
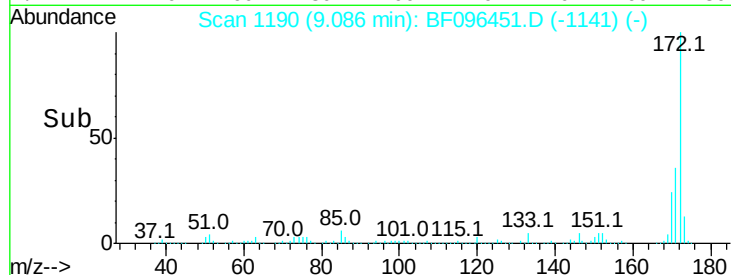
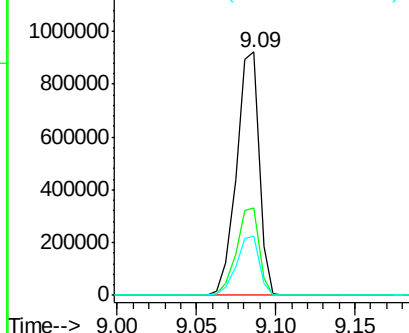
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 915634

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.5	19.8	29.8



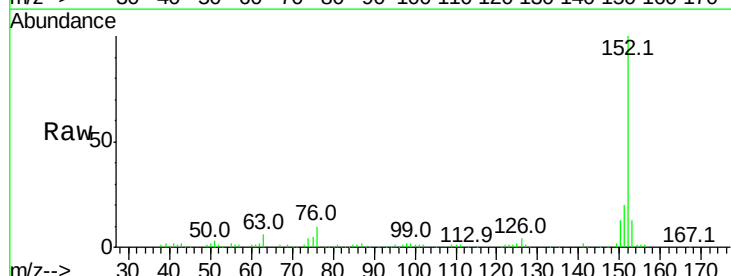
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



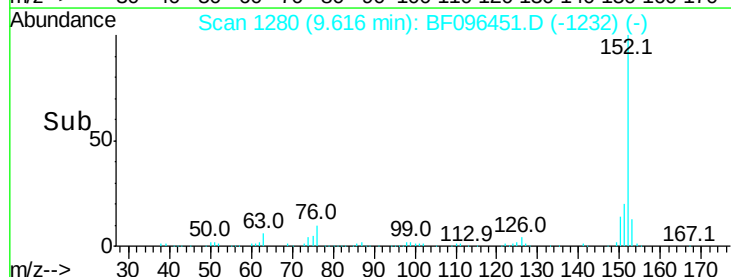
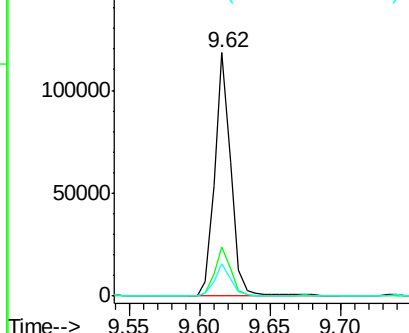
#48
 Acenaphthylene
 Concen: 4.95 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

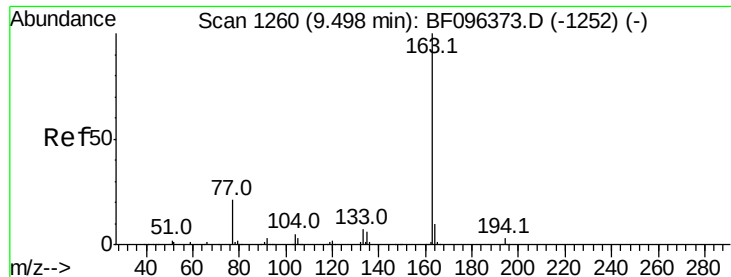
Tgt Ion:152 Resp: 94204

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	13.1	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

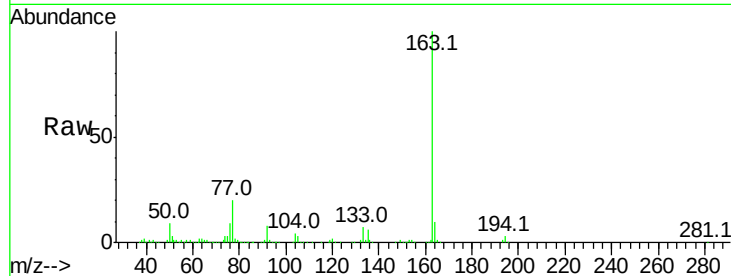




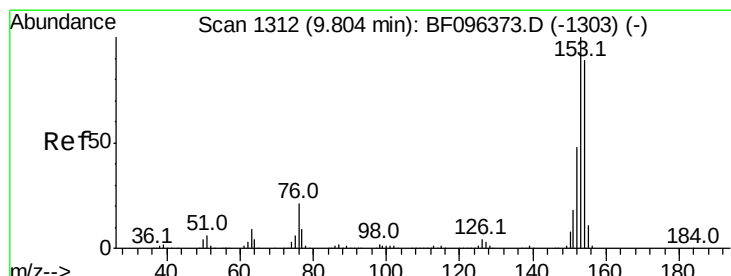
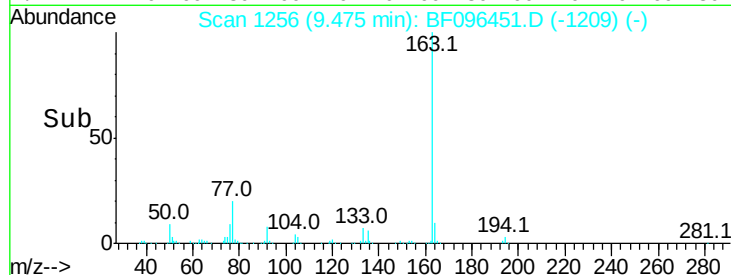
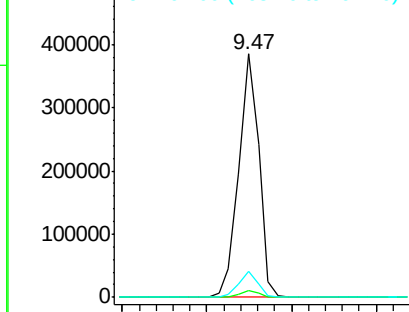
#49
Dimethylphthalate
Concen: 22.75 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 319649
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.5 8.4 12.6

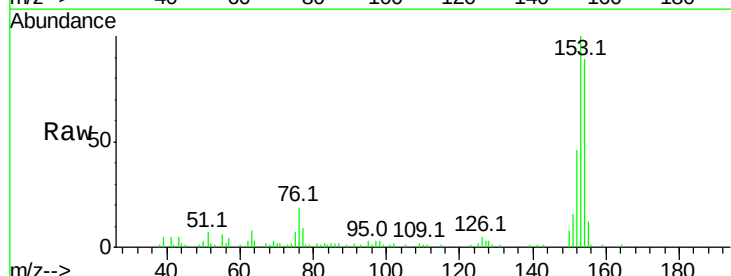


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

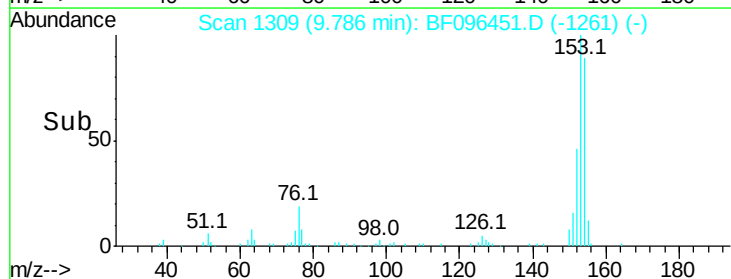
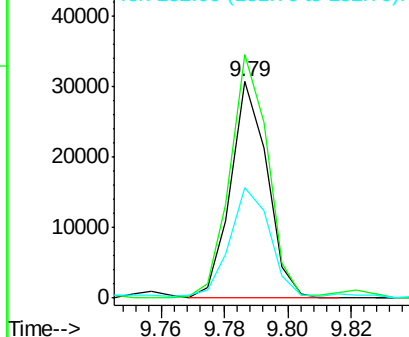


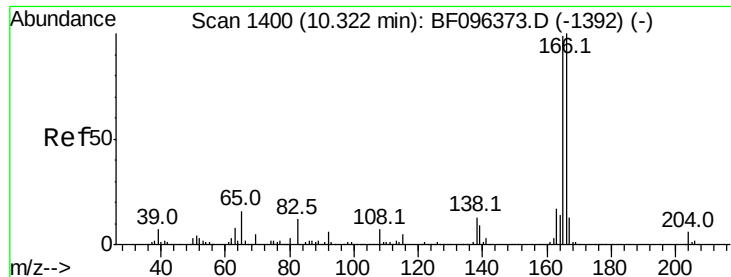
#51
Acenaphthene
Concen: 2.09 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Tgt Ion:154 Resp: 24550
Ion Ratio Lower Upper
154 100
153 112.6 90.5 135.7
152 51.3 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





#57

Fluorene

Concen: 2.58 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA_F

ClientSampleId :

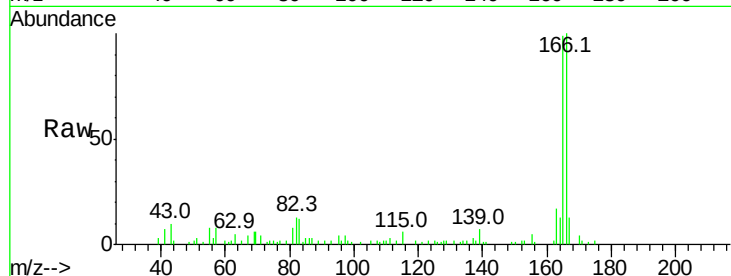
Tot Ion:166 Resp: 28228

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

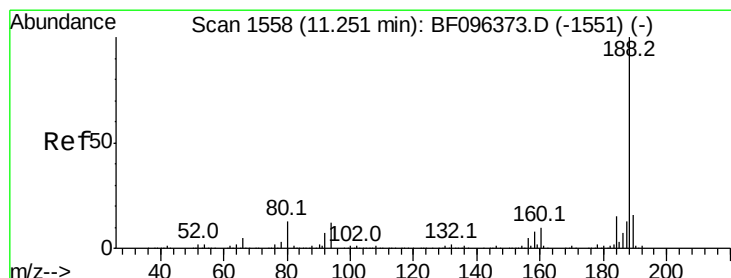
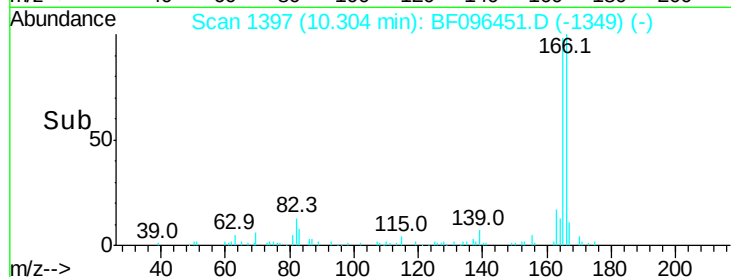
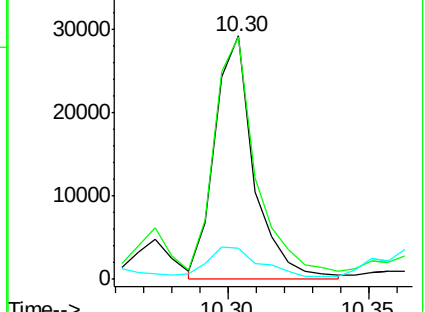
167 12.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

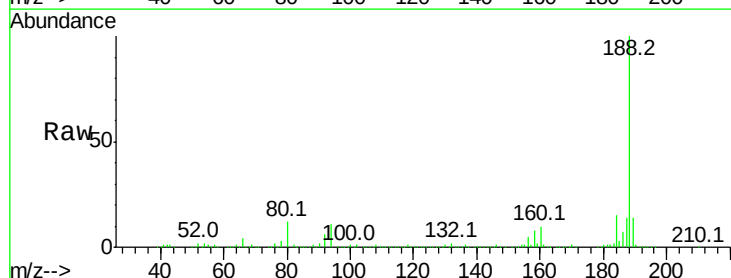
Tgt Ion:188 Resp: 287495

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

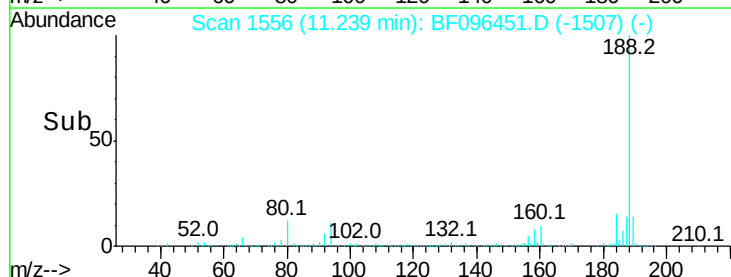
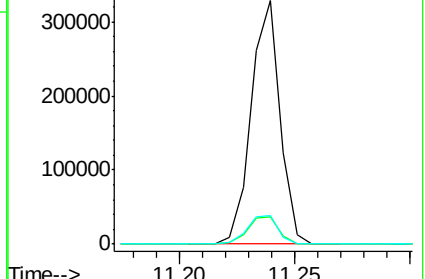
80 11.6 10.2 15.2

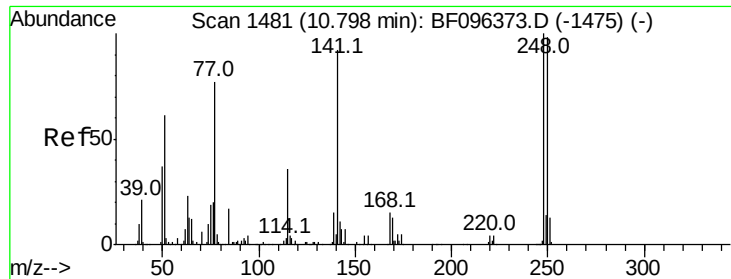


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

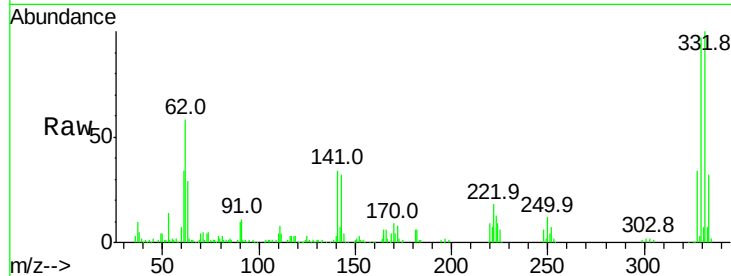




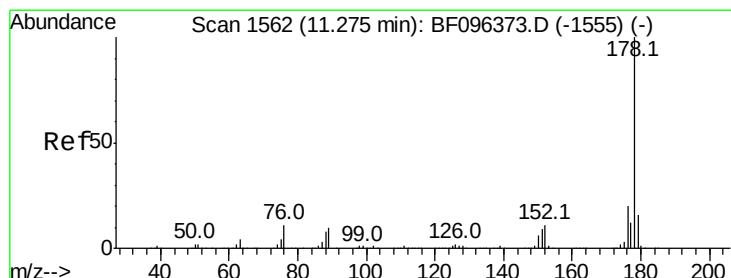
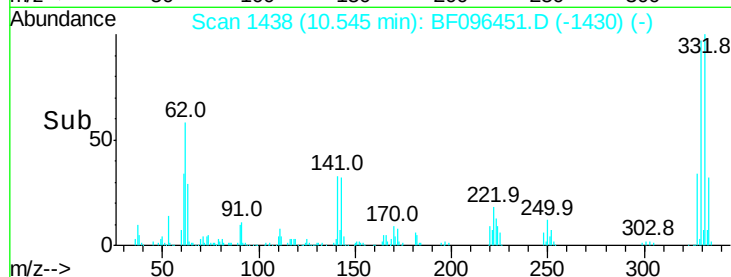
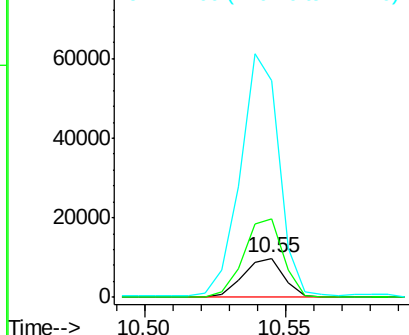
#66
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9816
Ion Ratio Lower Upper
248 100
250 200.2 76.8 115.2#
141 551.1 68.6 103.0#

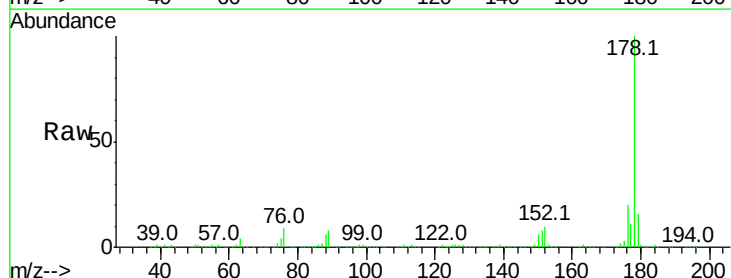


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

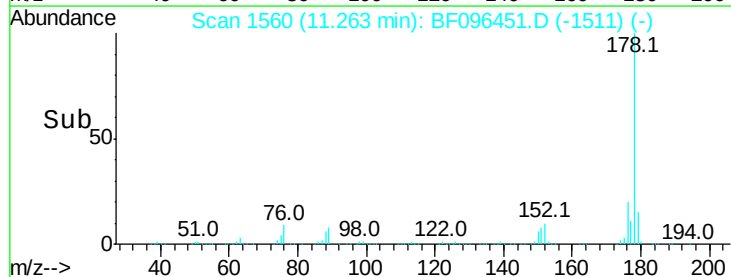
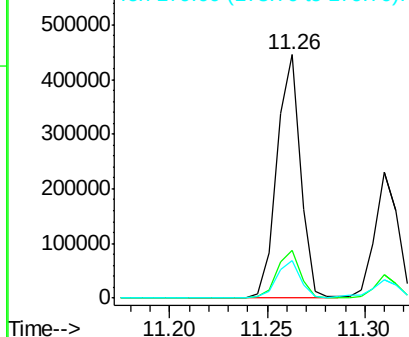


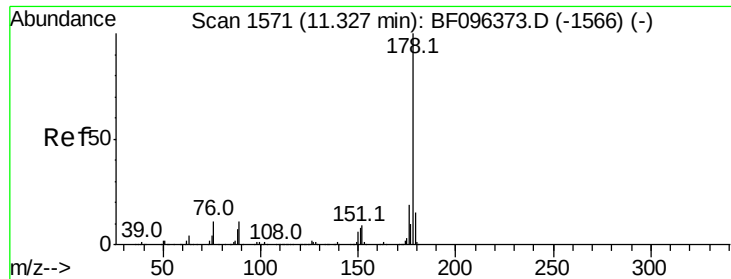
#70
Phenanthrene
Concen: 24.02 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Tgt Ion:178 Resp: 373230
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.6 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

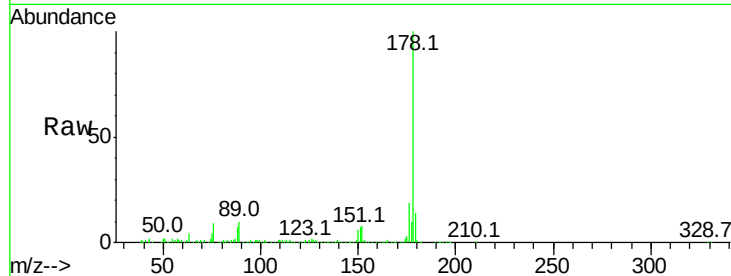




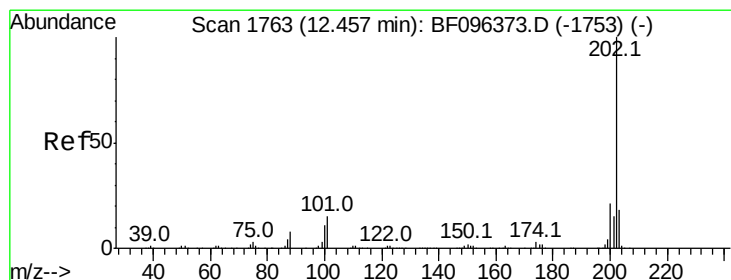
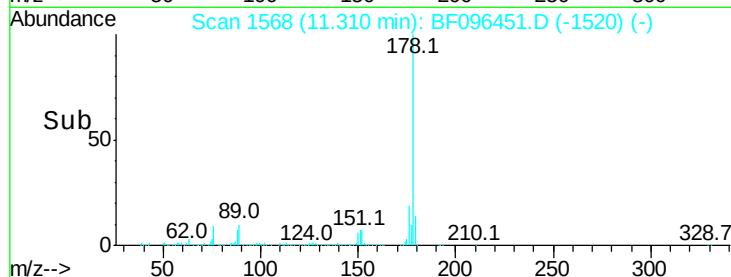
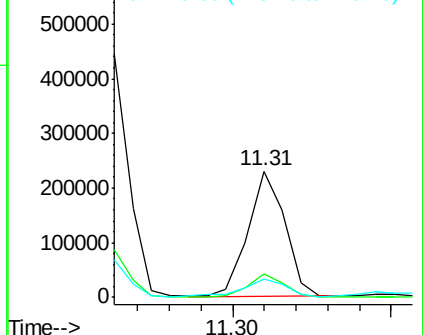
#71
 Anthracene
 Concen: 11.73 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 185774
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 14.5 12.7 19.1

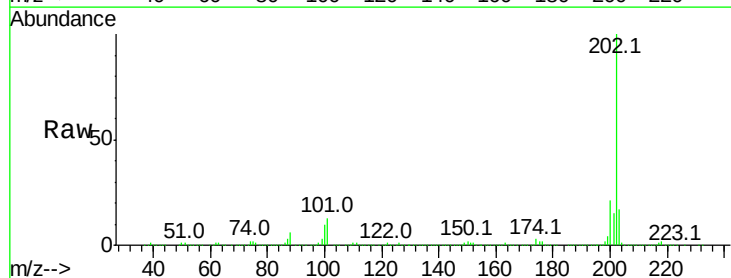


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

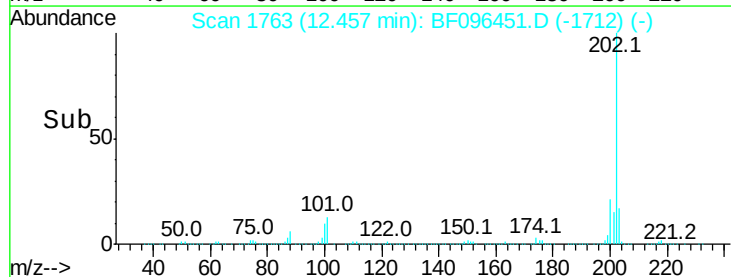
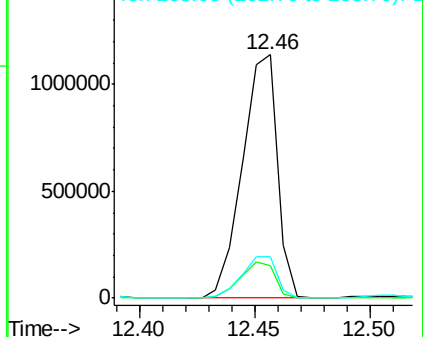


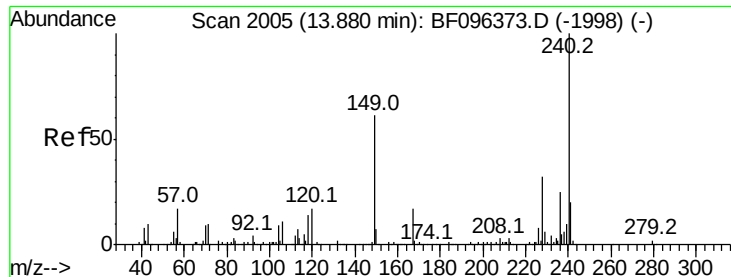
#74
 Fluoranthene
 Concen: 79.22 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion:202 Resp: 1207033
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 33.2
 203 17.2 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA_F

ClientSampleId :

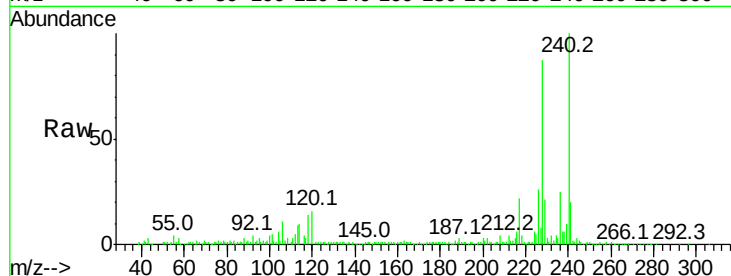
Tot Ion:240 Resp: 224519

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

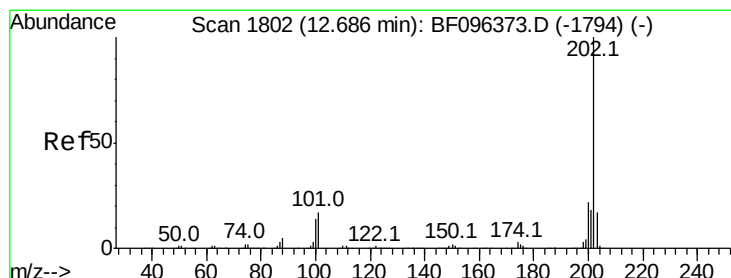
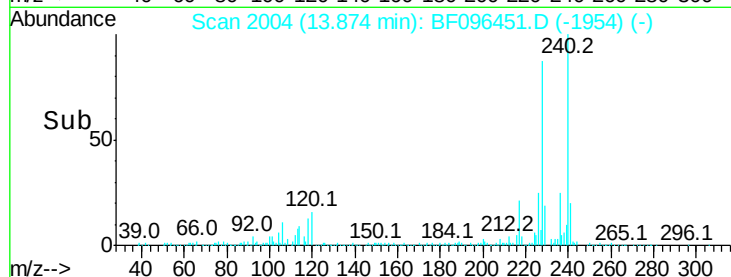
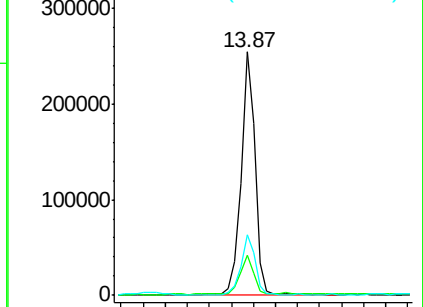
236 25.1 20.5 30.7



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

Pyrene

Concen: 66.76 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

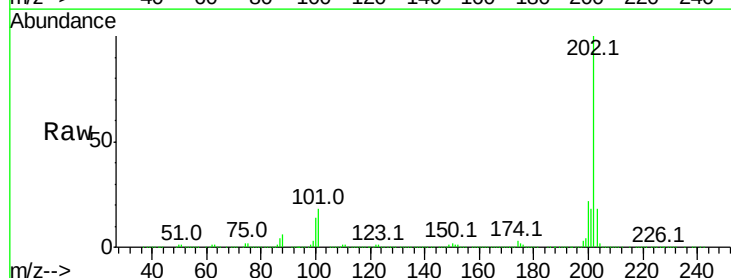
Tgt Ion:202 Resp: 1203085

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

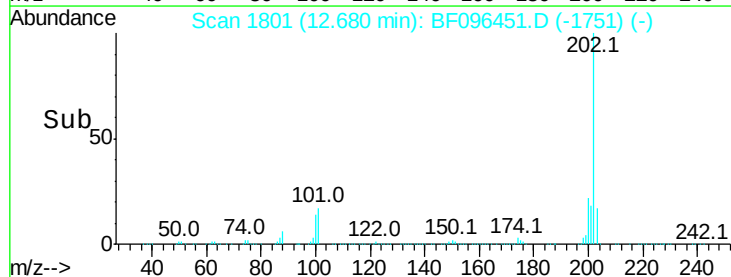
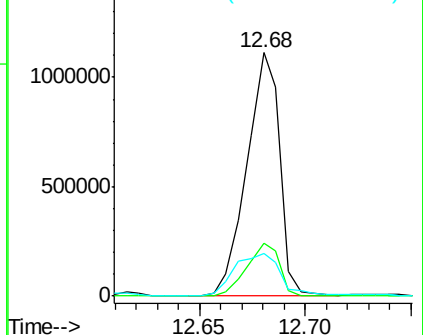
203 17.8 14.4 21.6

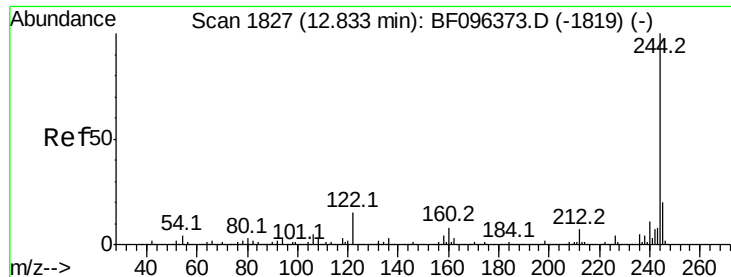


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

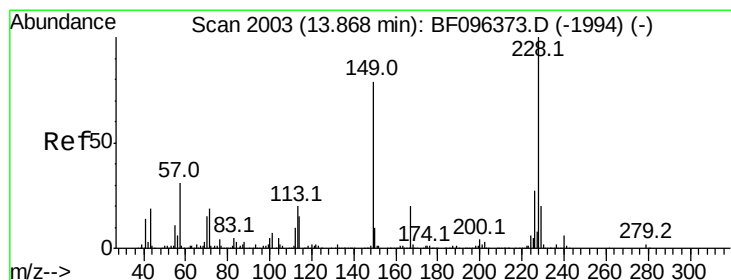
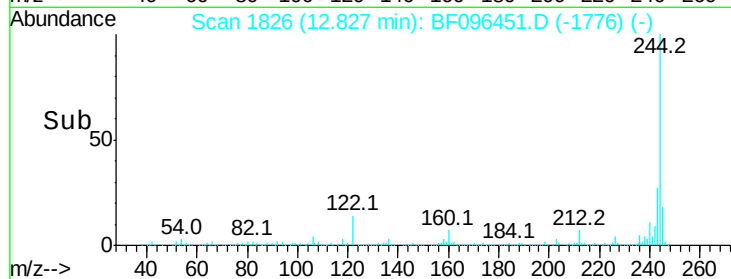
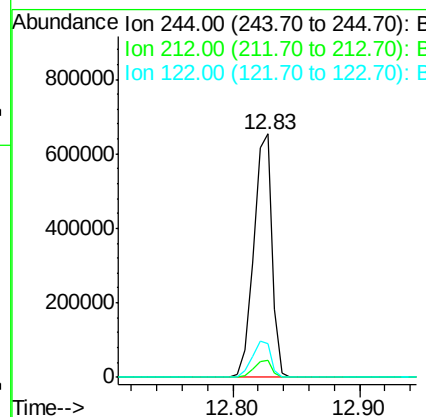
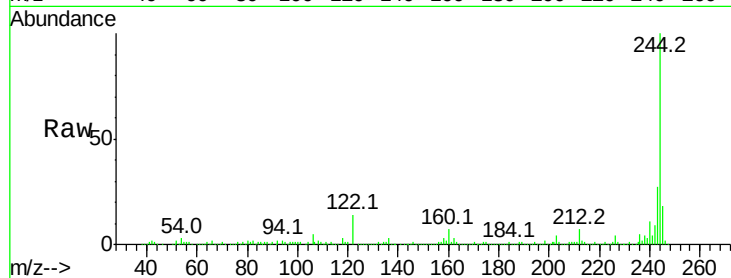




#78
 Terphenyl-d14
 Concen: 62.39 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

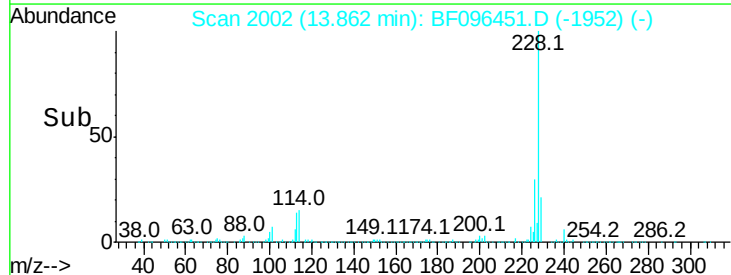
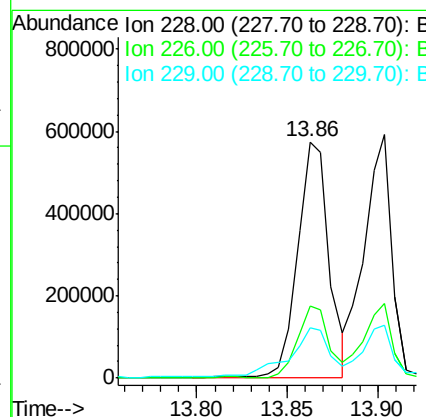
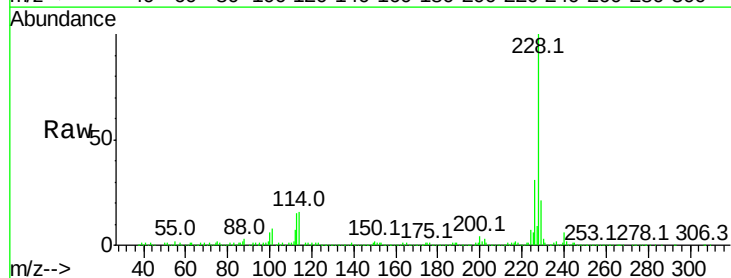
Instrument :
 BNA_F
 ClientSampleId :

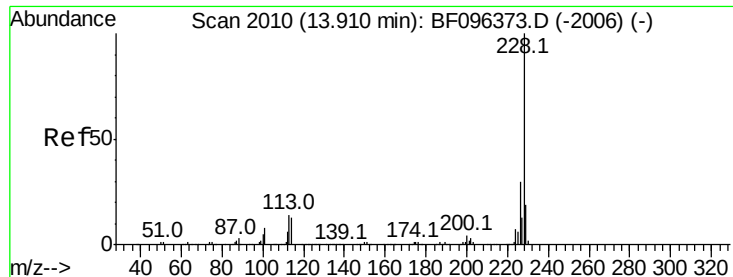
Tot Ion:244 Resp: 655503
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 53.45 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion:228 Resp: 694890
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 21.4 16.3 24.5

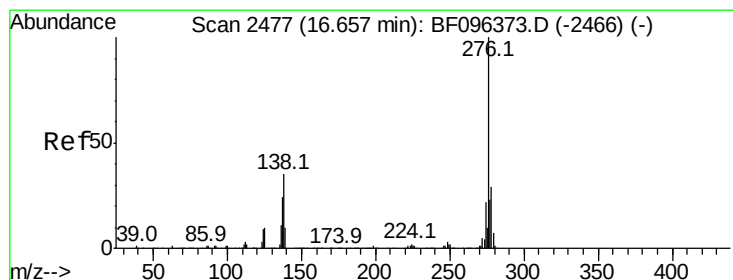
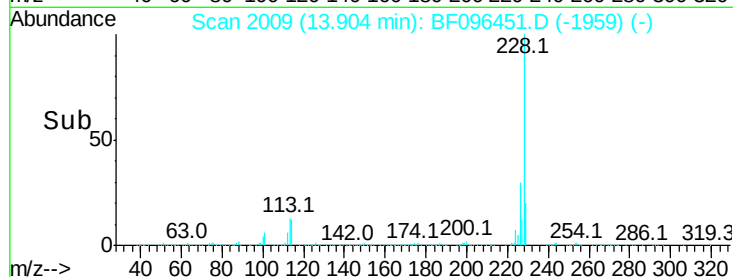
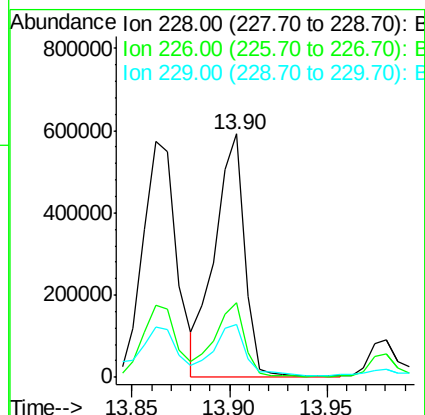
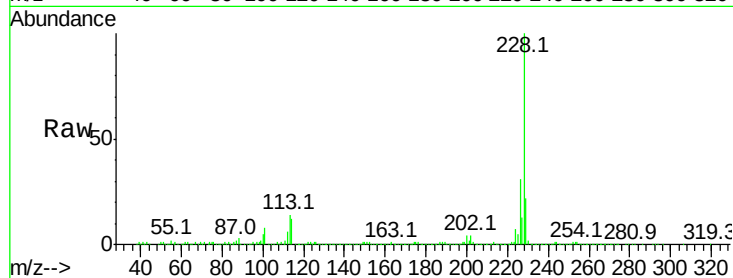




#82
 Chrysene
 Concen: 45.90 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

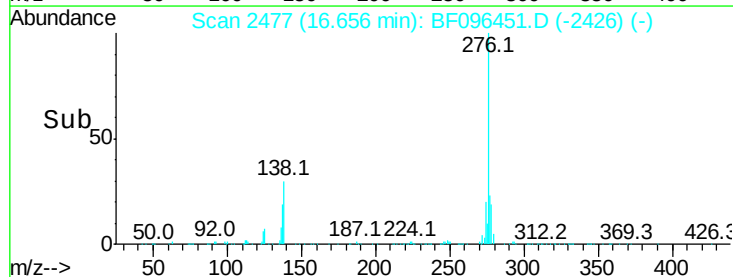
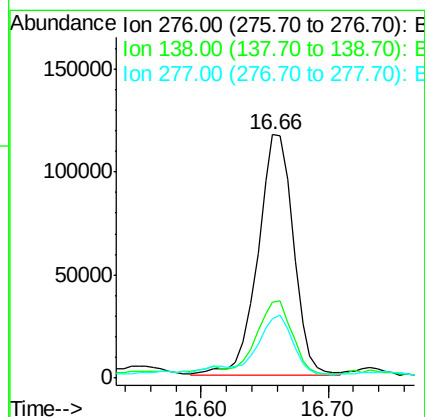
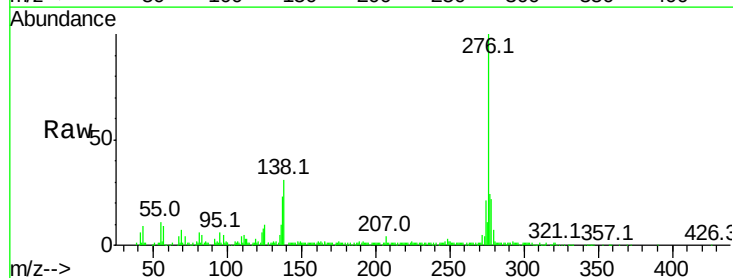
Instrument :
 BNA_F
 ClientSampleId :

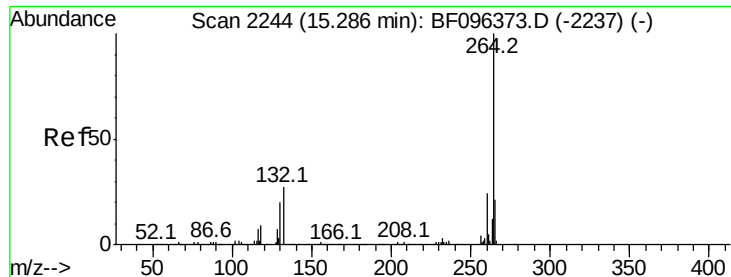
Tot Ion:	228	Resp:	624940
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.6	15.8	23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.35 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. -0.00 min
 Lab File: BF096451.D
 Acq: 3 Jul 2017 19:53

Tgt Ion:	276	Resp:	229401
Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	24.4	20.2	30.4

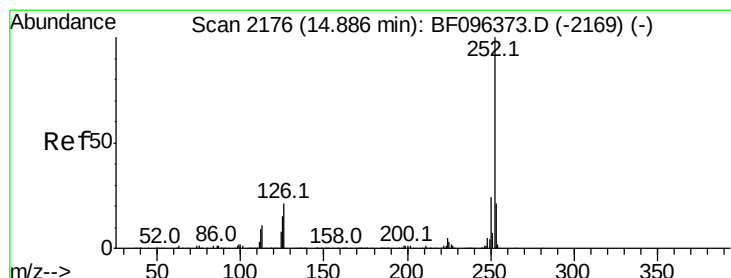
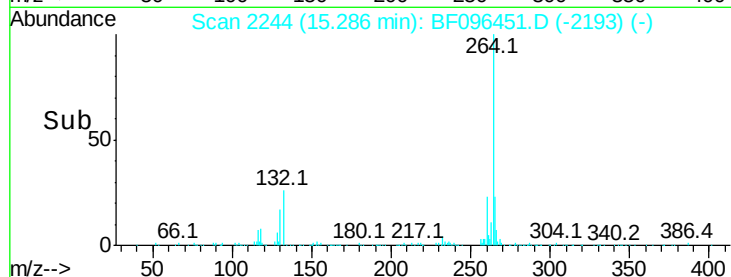
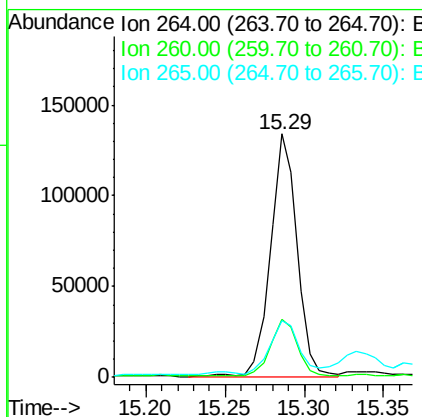
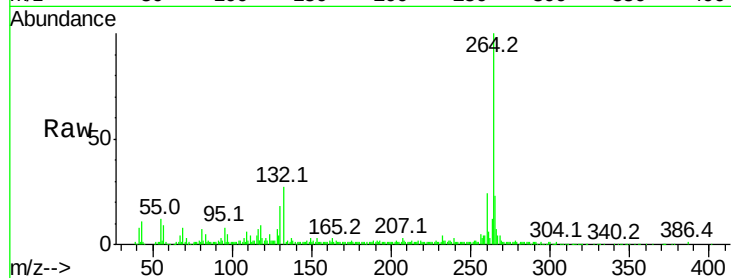




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

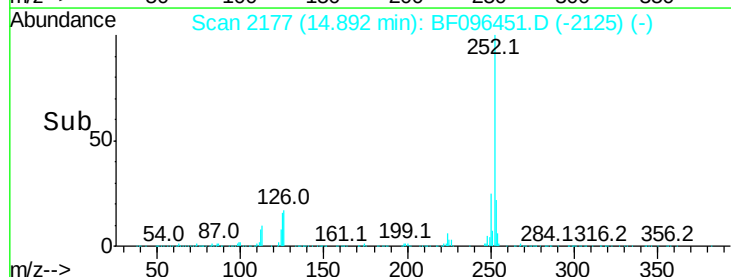
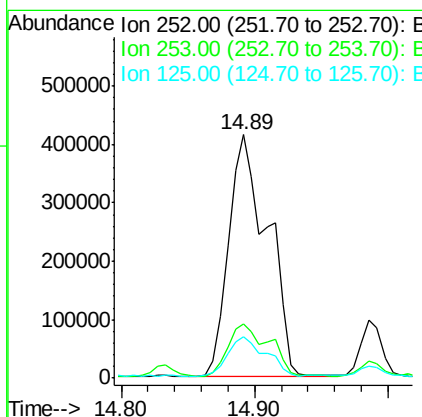
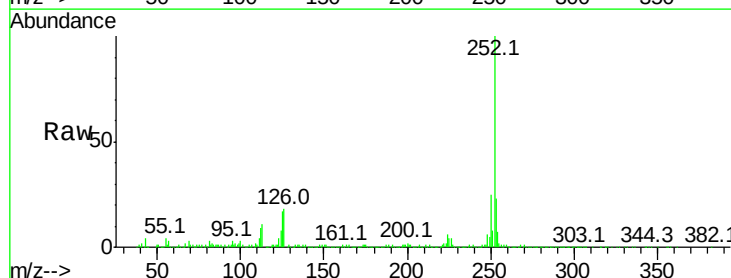
Instrument :
BNA_F
ClientSampleId :

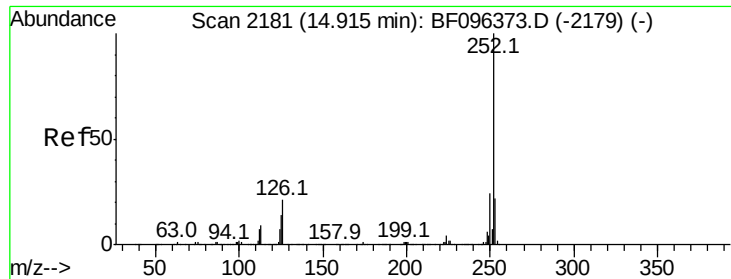
Tot Ion:264 Resp: 156133
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 23.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 86.45 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Tgt Ion:252 Resp: 845771
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 17.1 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 96.65 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

Instrument :

BNA_F

ClientSampleId :

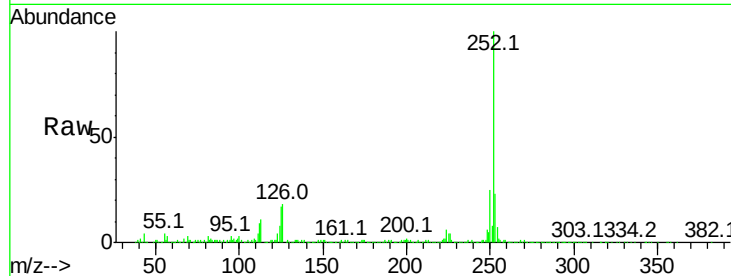
Tot Ion:252 Resp: 845771

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

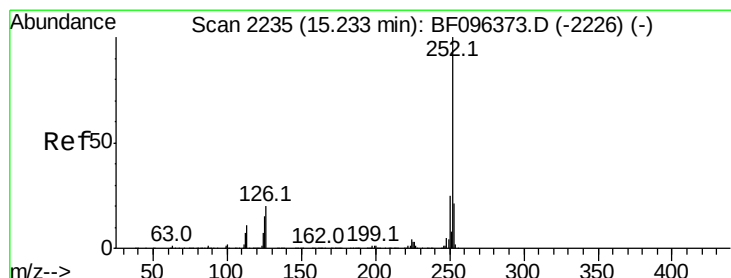
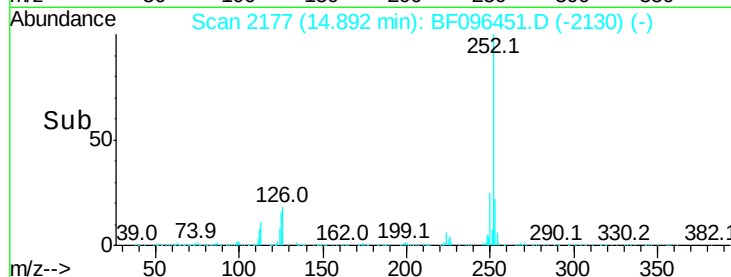
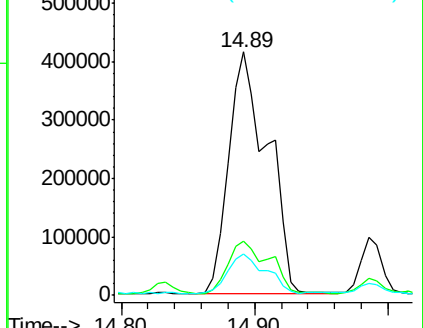
125 17.1 13.1 19.7



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: 47.69 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF096451.D

Acq: 3 Jul 2017 19:53

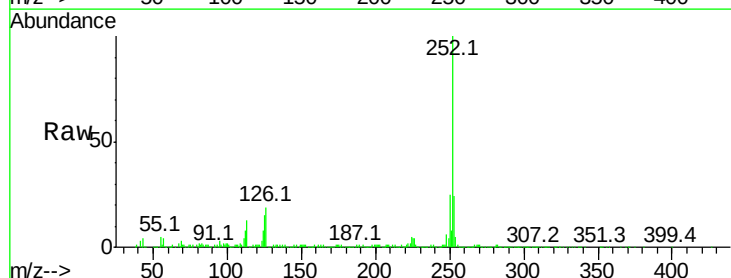
Tgt Ion:252 Resp: 416523

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

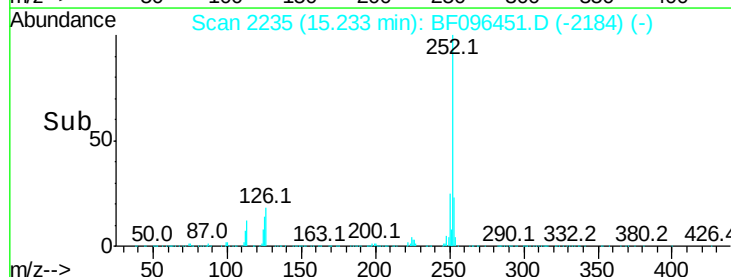
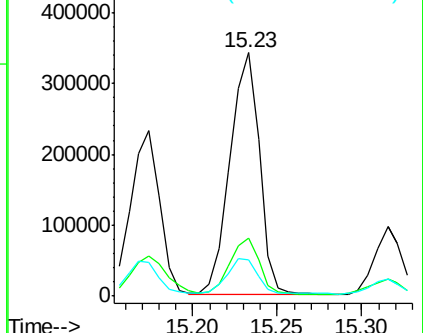
125 15.1 11.0 16.4

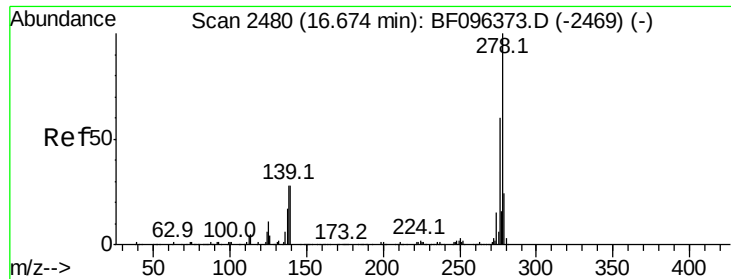


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

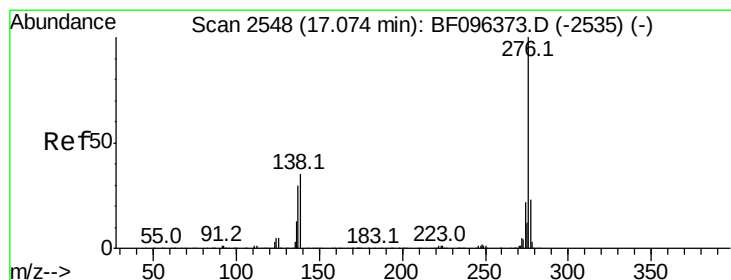
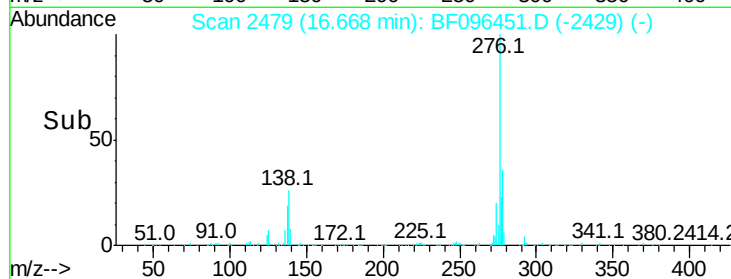
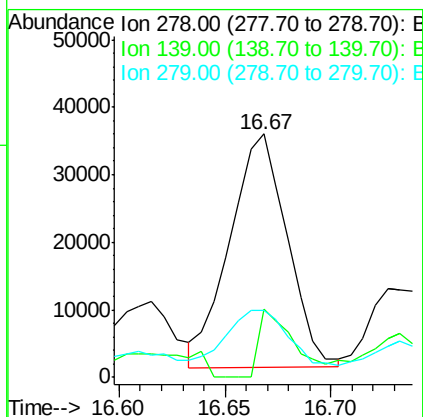
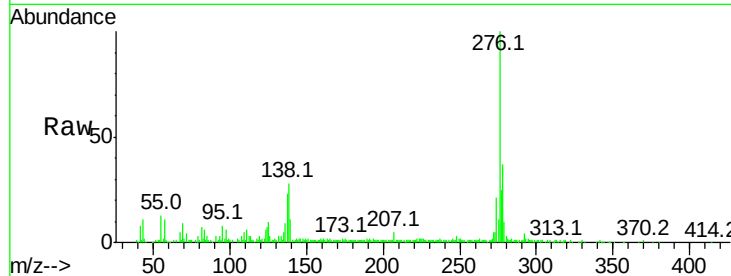




#90
Dibenzo(a,h)anthracene
Concen: 9.54 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 65547
Ion Ratio Lower Upper
278 100
139 28.2 16.6 24.8#
279 27.4 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 31.28 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BF096451.D
Acq: 3 Jul 2017 19:53

Tgt Ion:276 Resp: 222716
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 34.6 25.4 38.0

