

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070617\
 Data File : BF096544.D
 Acq On : 6 Jul 2017 20:15
 Operator : SJ/MA
 Sample : I3972-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 01:23:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128590	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	485825	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	196081	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	280856	20.00	ng	0.00
75) Chrysene-d12	13.86	240	255977	20.00	ng	0.00
86) Perylene-d12	15.27	264	197292	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	834340	95.77	ng	0.01
7) Phenol-d6	6.36	99	1037324	96.85	ng	0.00
23) Nitrobenzene-d5	7.27	82	574588	71.07	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	139361	90.99	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	860323	75.02	ng	0.00
78) Terphenyl-d14	12.82	244	499129	41.67	ng	0.00

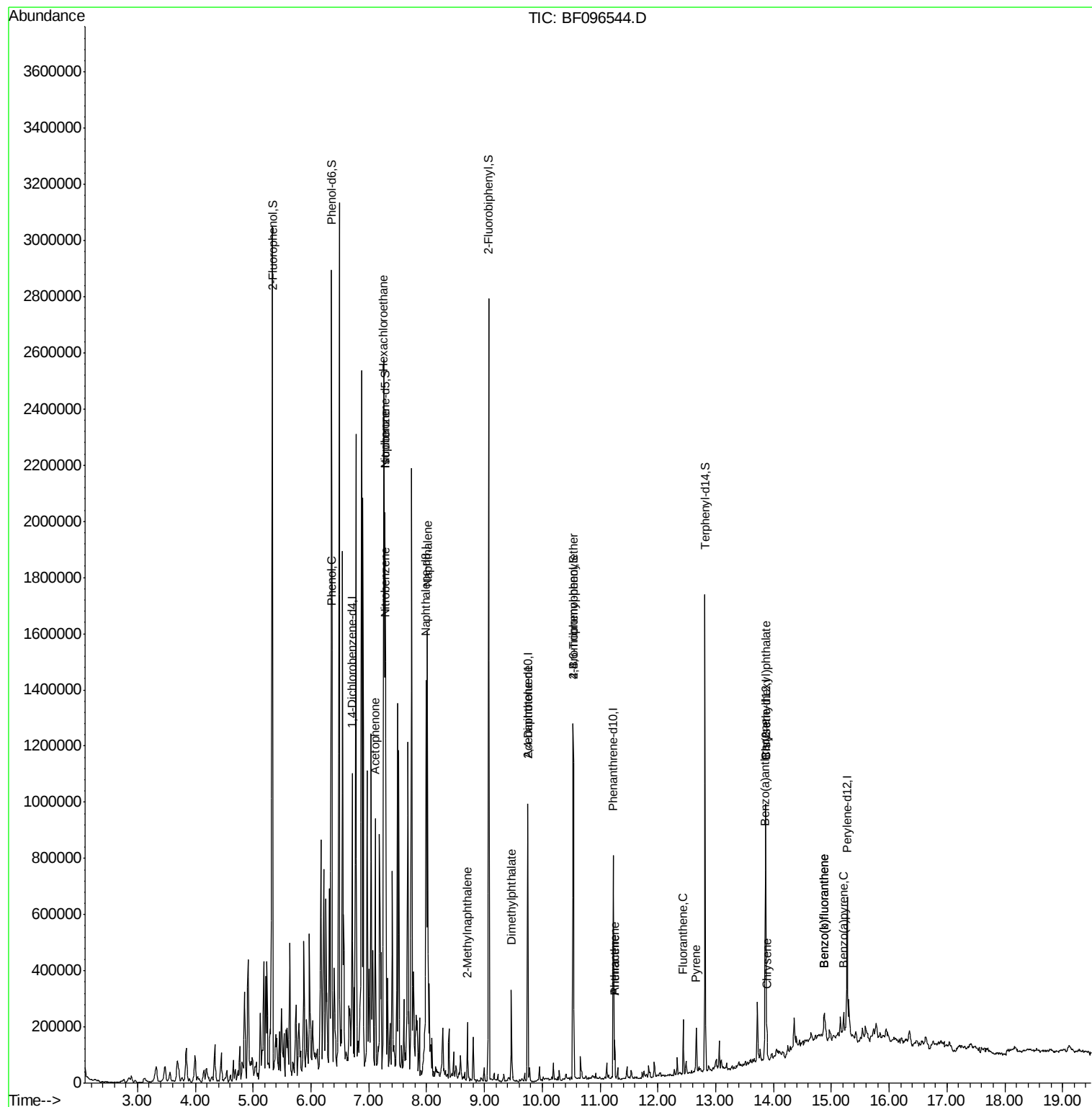
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	36621	3.00	ng	89
18) Hexachloroethane	7.25	117	158702	44.96	ng	# 1
22) Acetophenone	7.12	105	222994	21.01	ng	# 50
24) Nitrobenzene	7.29	77	21951	2.59	ng	# 1
25) Isophorone	7.27	82	568250	36.25	ng	# 67
31) Naphthalene	8.02	128	579197	25.25	ng	99
37) 2-Methylnaphthalene	8.71	142	52372	3.59	ng	96
49) Dimethylphthalate	9.47	163	136899	9.35	ng	97
56) 2,4-Dinitrotoluene	9.75	165	24608	6.00	ng	# 33
66) 4-Bromophenyl-phenylether	10.54	248	9207	3.37	ng	# 1
70) Phenanthrene	11.25	178	44758	2.95	ng	99
71) Anthracene	11.25	178	44758	2.89	ng	99
74) Fluoranthene	12.44	202	64243	4.32	ng	97
77) Pyrene	12.67	202	65707	3.20	ng	97
80) Benzo(a)anthracene	13.85	228	32660	2.20	ng	# 90
82) Chrysene	13.89	228	31189	2.01	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.86	149	30024	2.59	ng	100
87) Benzo(b)fluoranthene	14.87	252	56485	4.57	ng	# 89
88) Benzo(k)fluoranthene	14.87	252	56485	5.11	ng	# 93
89) Benzo(a)pyrene	15.22	252	29732	2.69	ng	# 90

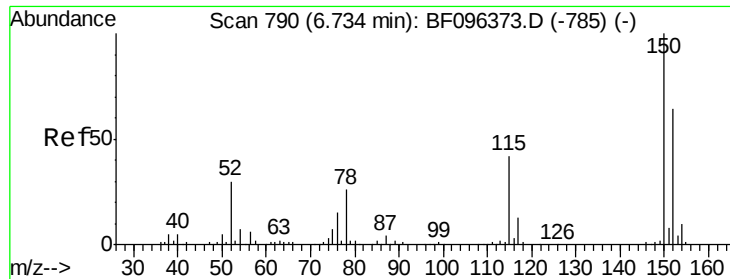
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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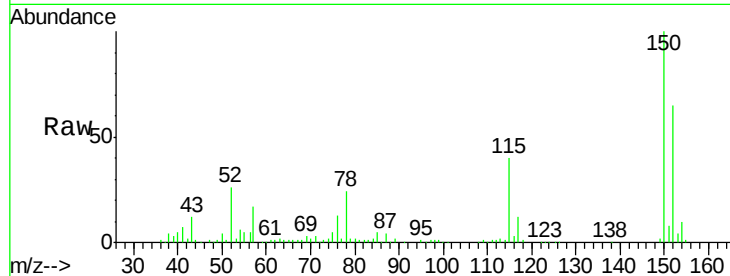


#1

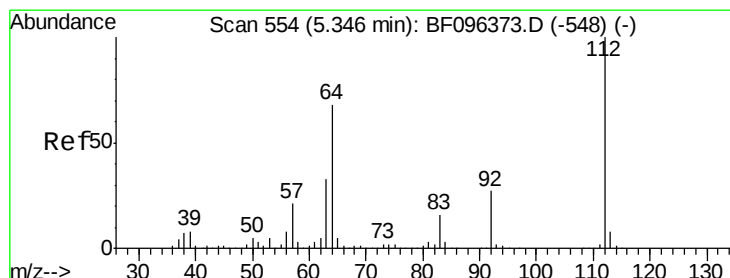
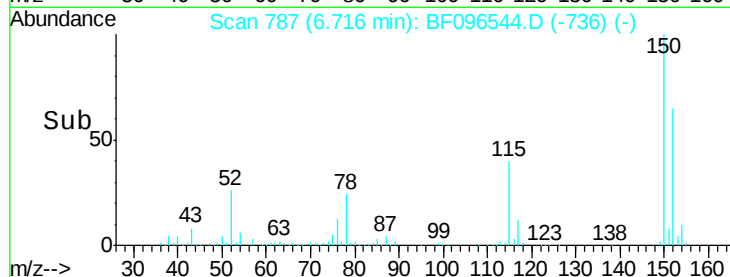
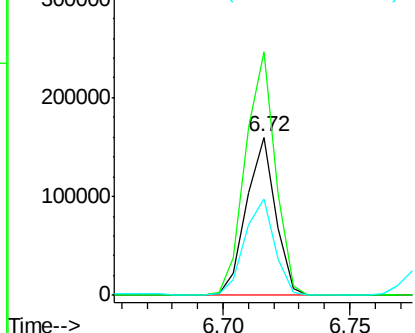
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128590
Ion Ratio Lower Upper
152 100
150 153.6 126.2 189.2
115 61.2 52.2 78.2



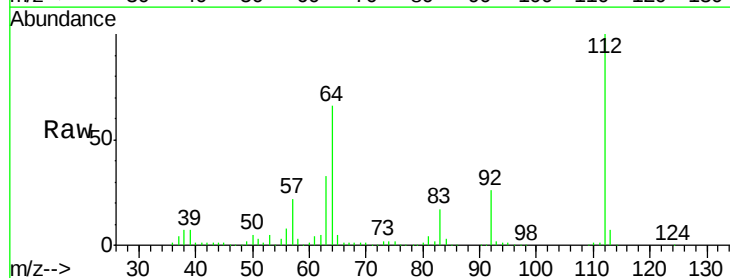
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



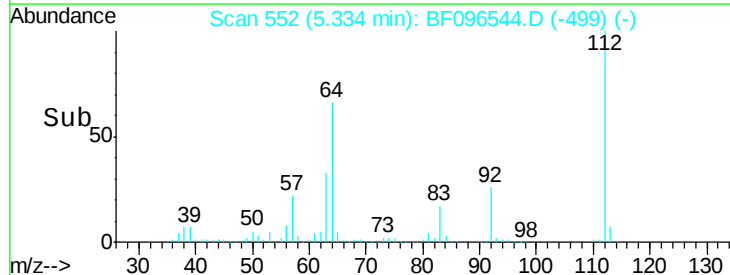
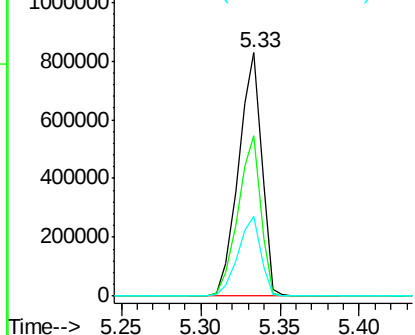
#5

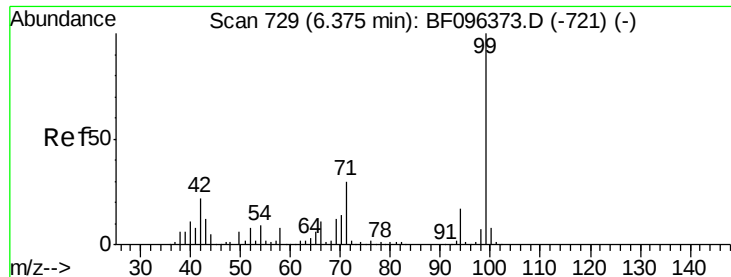
2-Fluorophenol
Concen: 95.77 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:112 Resp: 834340
Ion Ratio Lower Upper
112 100
64 65.7 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: 96.85 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

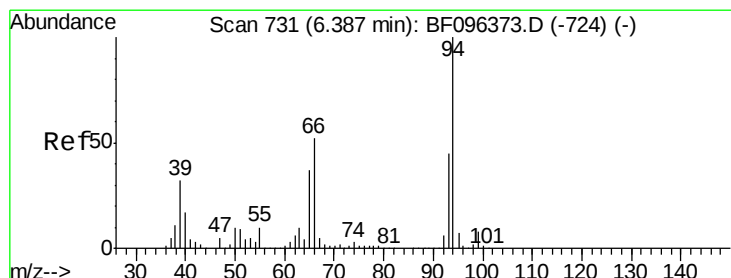
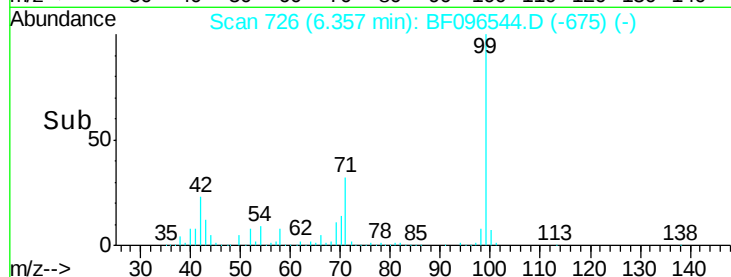
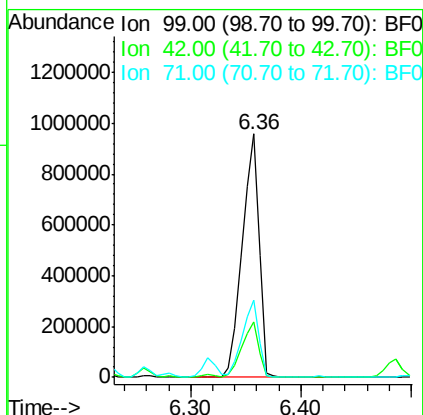
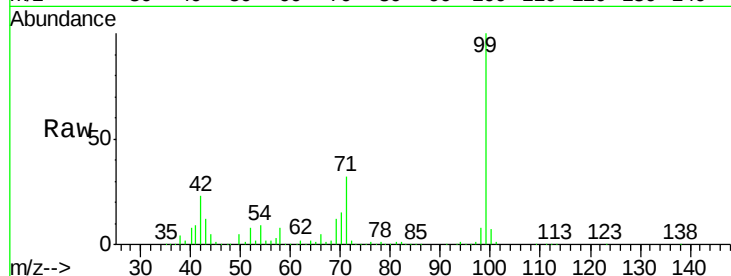
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1037324

Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	31.9	24.5	36.7



#10

Phenol

Concen: 3.00 ng

RT: 6.37 min Scan# 728

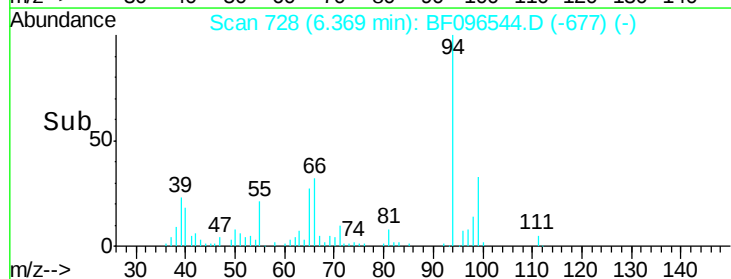
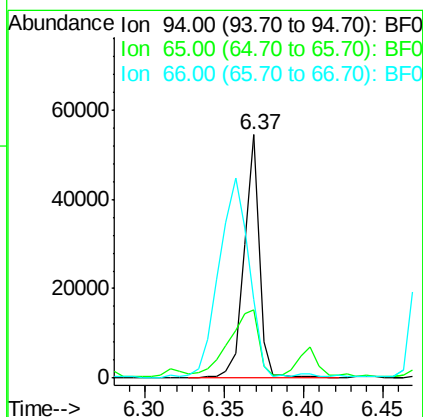
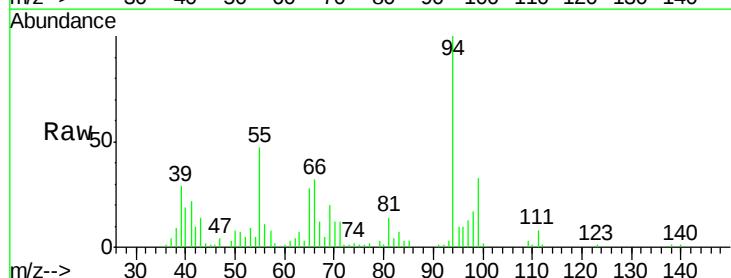
Delta R.T. -0.00 min

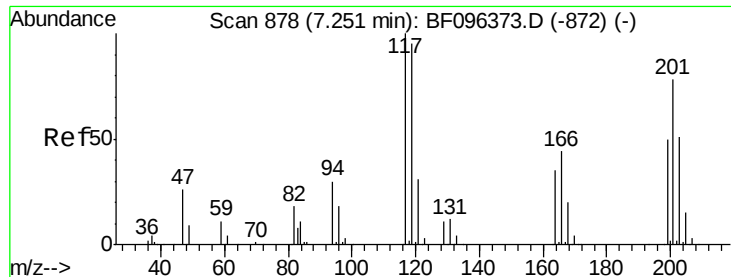
Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Tgt Ion: 94 Resp: 36621

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.9	49.9
66	32.4	23.1	63.1

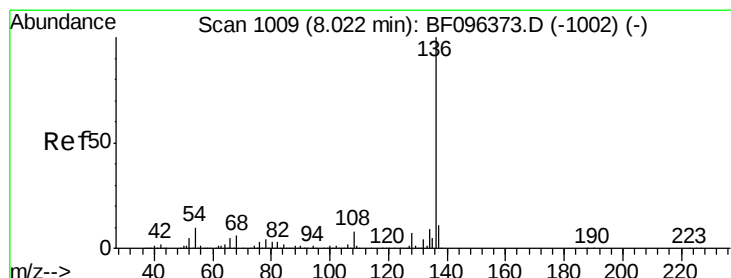
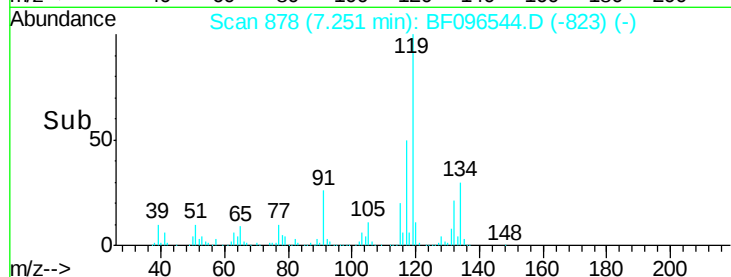
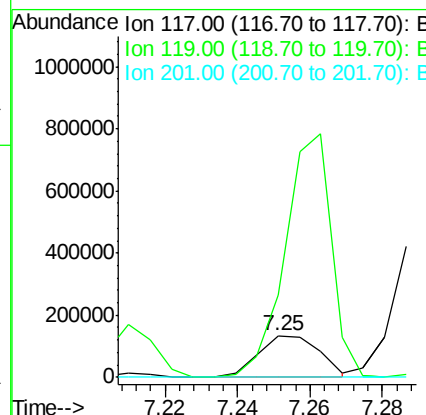
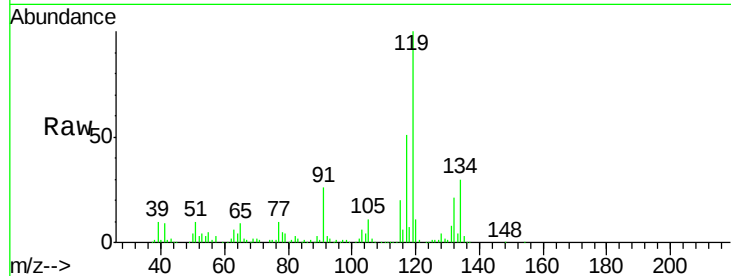




#18
Hexachloroethane
Concen: 44.96 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

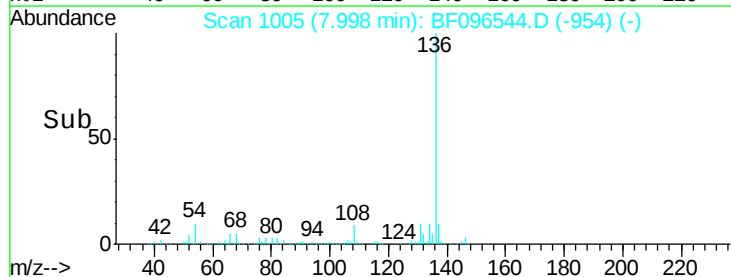
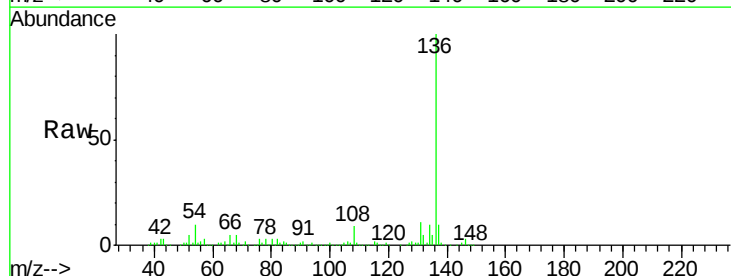
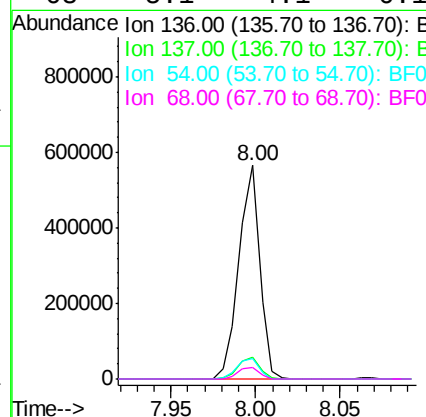
Instrument :
BNA_F
ClientSampleId :

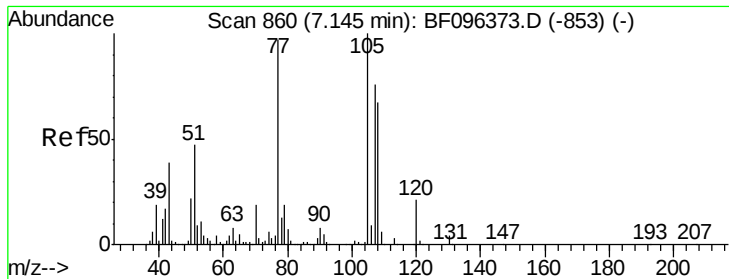
Tot Ion:117 Resp: 158702
Ion Ratio Lower Upper
117 100
119 197.5 77.4 116.0#
201 0.0 94.6 141.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:136 Resp: 485825
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 9.8 4.9 7.3#
68 5.1 4.1 6.1





#22

Acetophenone

Concen: 21.01 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 222994

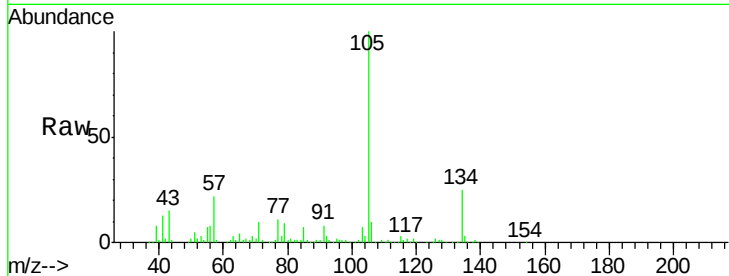
Ion Ratio Lower Upper

105 100

71 10.5 2.8 4.2#

51 5.2 30.7 46.1#

120 0.4 17.4 26.0#

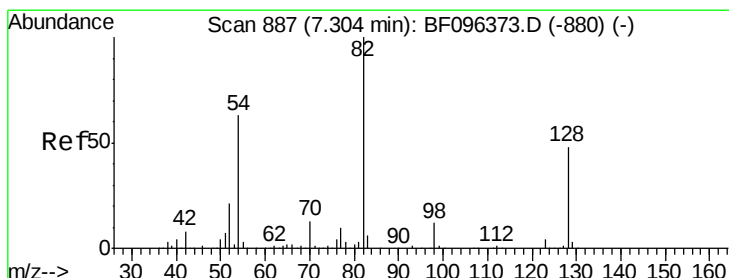
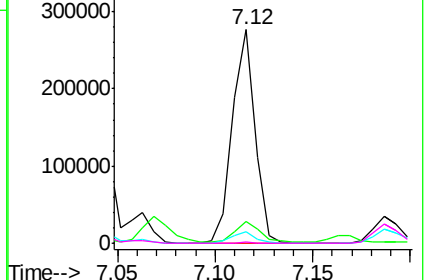
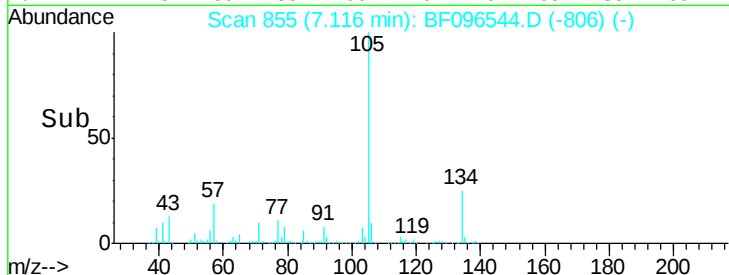


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 71.07 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

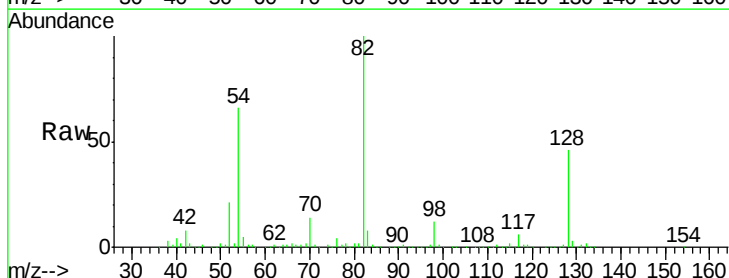
Tgt Ion: 82 Resp: 574588

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

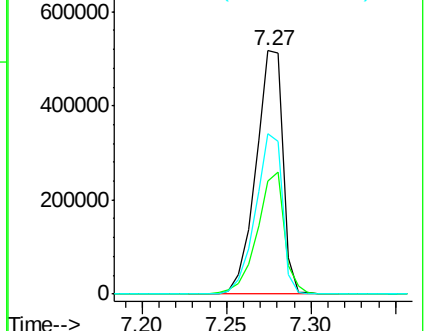
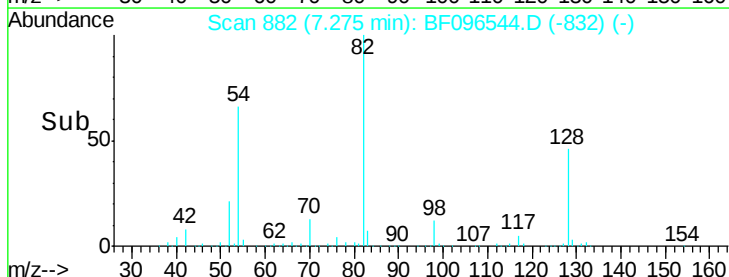
54 66.1 42.2 63.2#

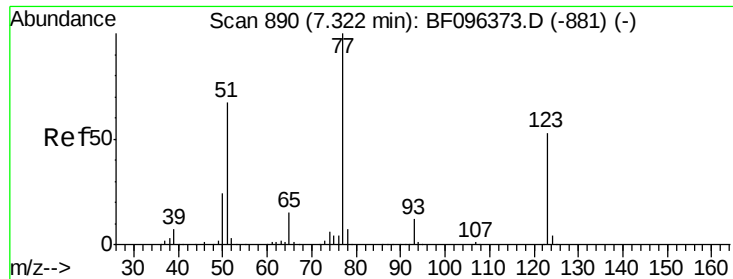


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

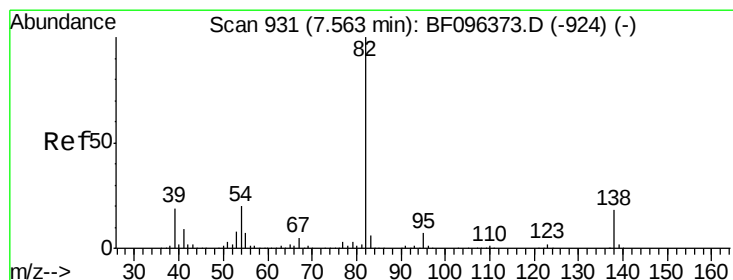
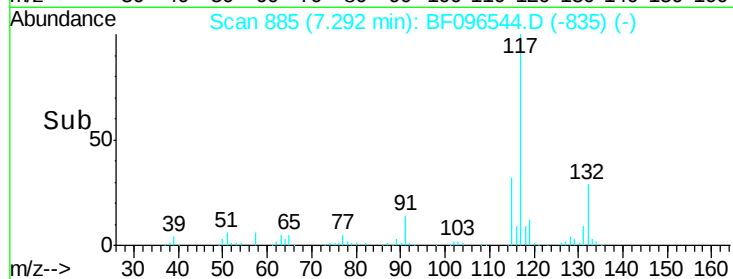
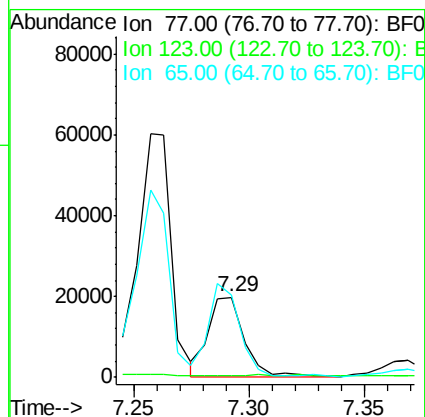
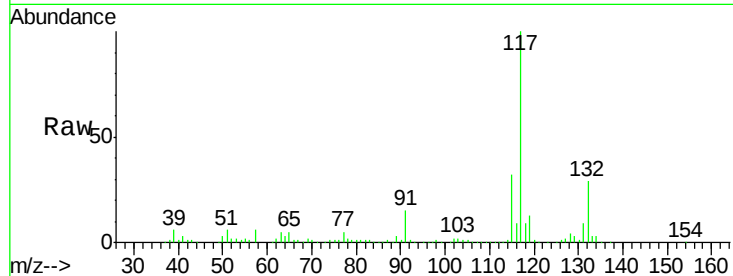




#24
 Nitrobenzene
 Concen: 2.59 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

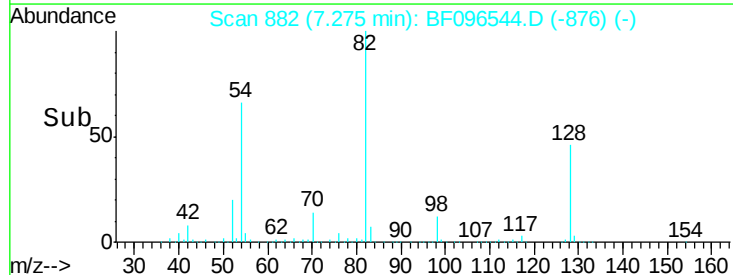
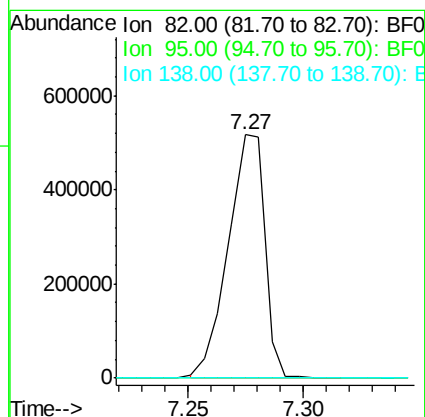
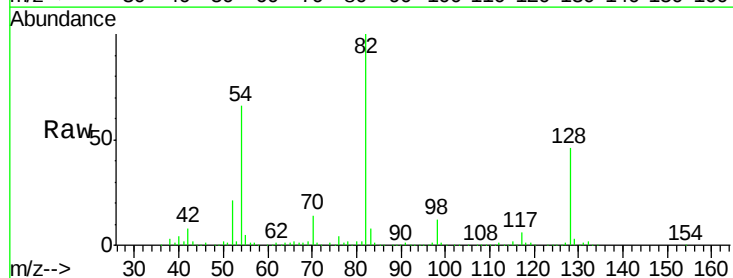
Instrument :
 BNA_F
 ClientSampleId :

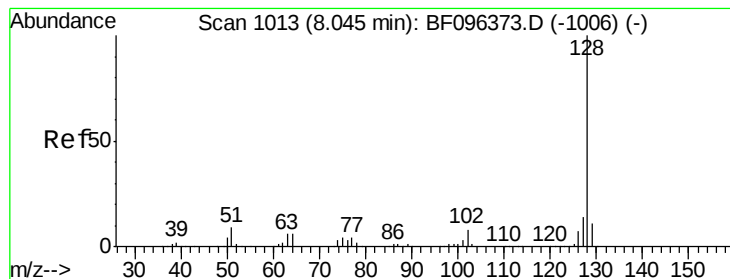
Tot Ion	Ratio	Lower	Upper
77	100		
123	2.5	35.8	53.8#
65	102.3	10.6	15.8#



#25
 Isophorone
 Concen: 36.25 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.3	7.9#
138	0.0	13.1	19.7#





#31

Naphthalene

Concen: 25.25 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

ClientSampleId :

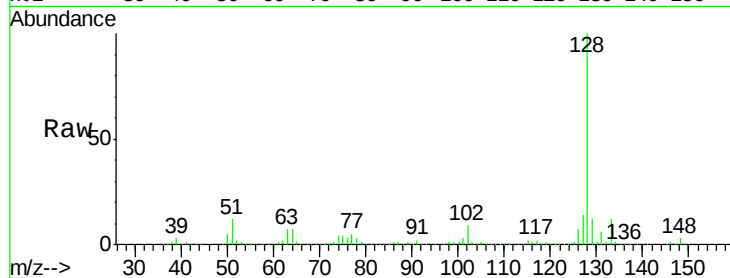
Tot Ion:128 Resp: 579197

Ion Ratio Lower Upper

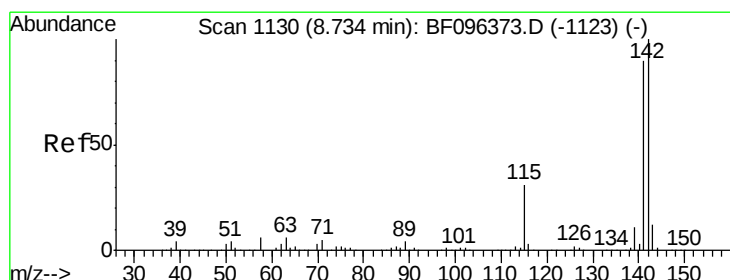
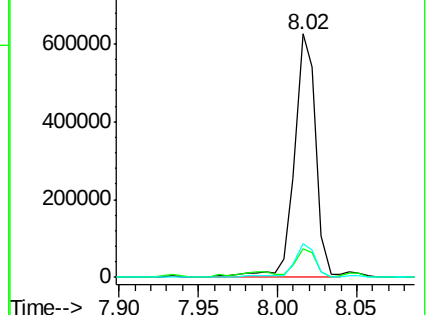
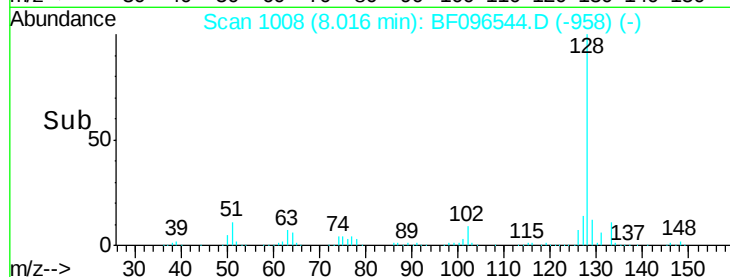
128 100

129 11.9 9.0 13.6

127 13.6 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



#37

2-Methylnaphthalene

Concen: 3.59 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

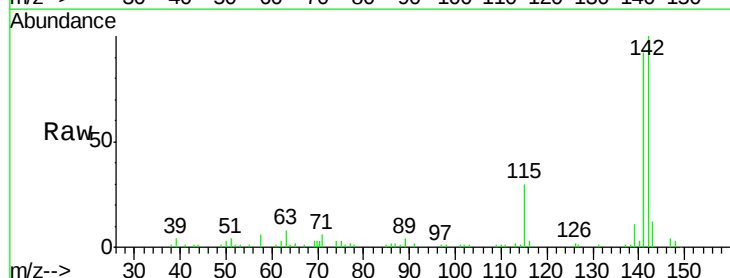
Tgt Ion:142 Resp: 52372

Ion Ratio Lower Upper

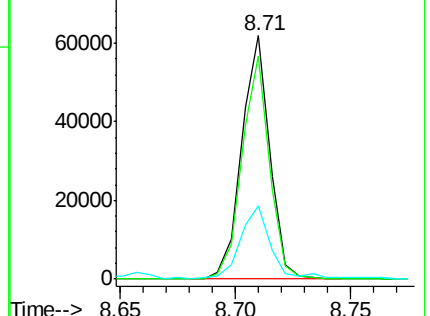
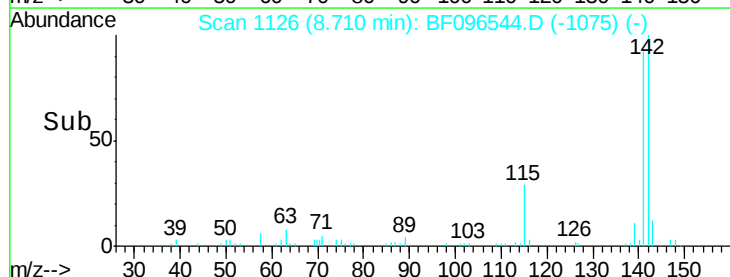
142 100

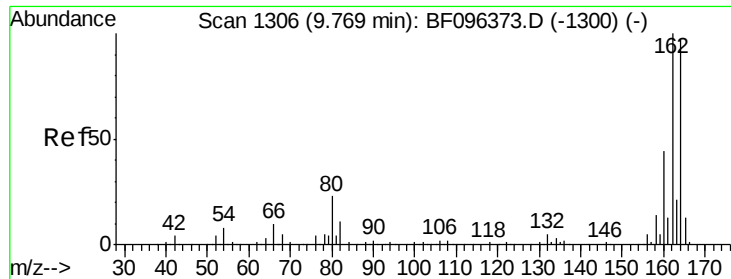
141 91.6 71.3 106.9

115 30.0 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

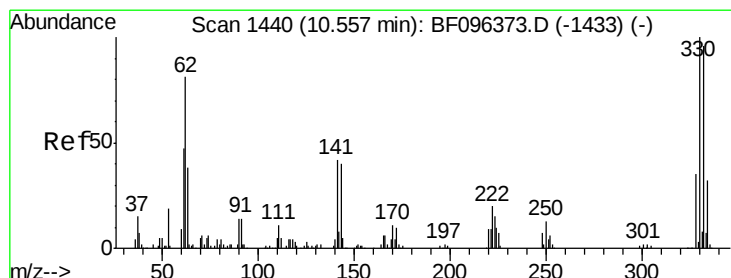
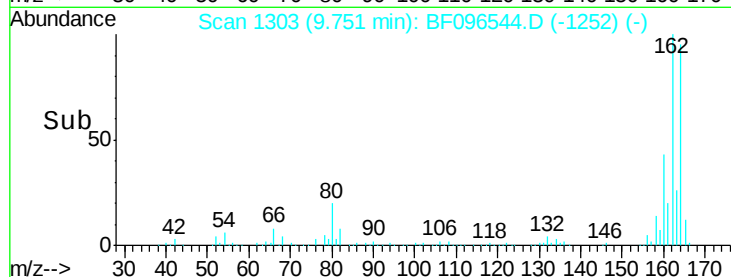
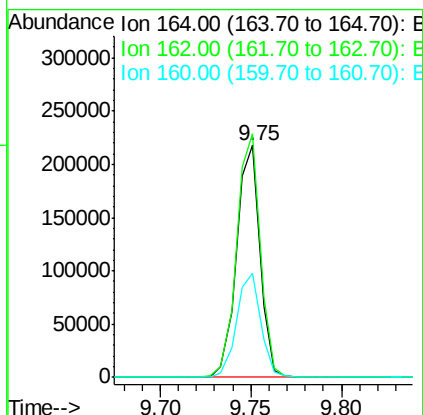
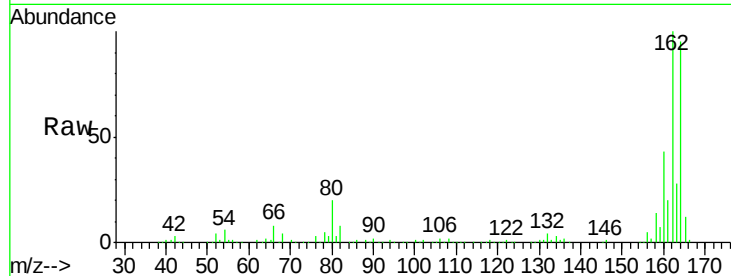




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

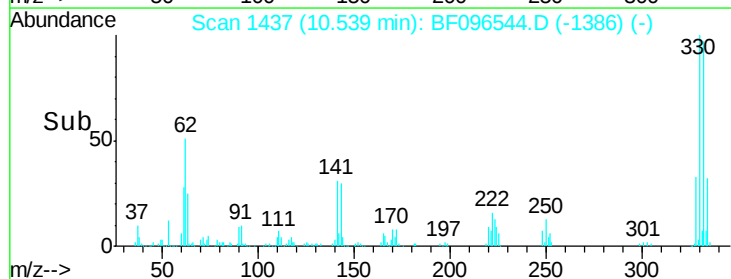
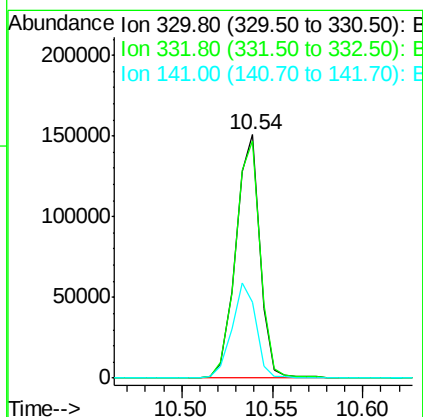
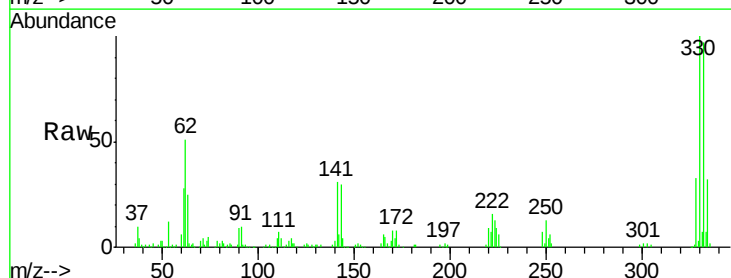
Instrument :
 BNA_F
 ClientSampleId :

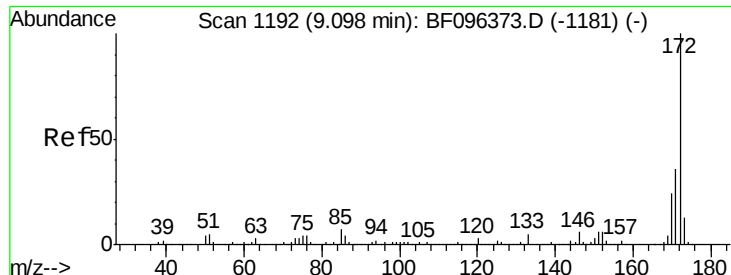
Tot Ion:164 Resp: 196081
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.6 123.8
 160 44.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 90.99 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion:330 Resp: 139361
 Ion Ratio Lower Upper
 330 100
 332 100.1 76.6 115.0
 141 39.4 31.4 47.2

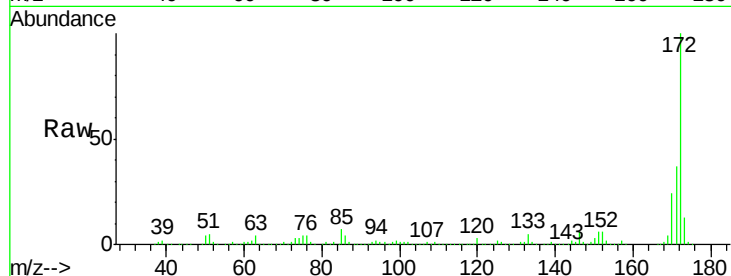




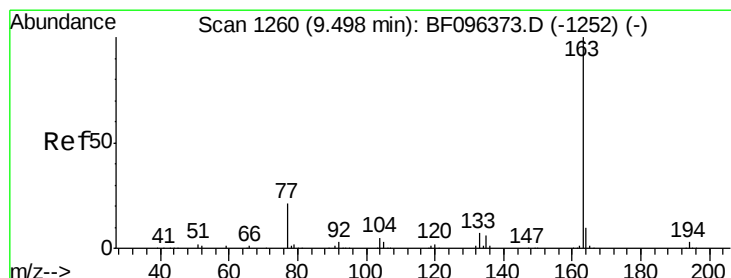
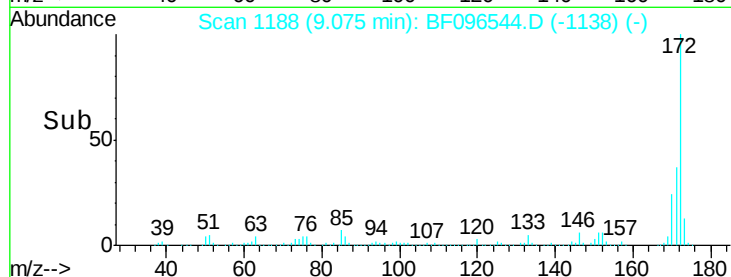
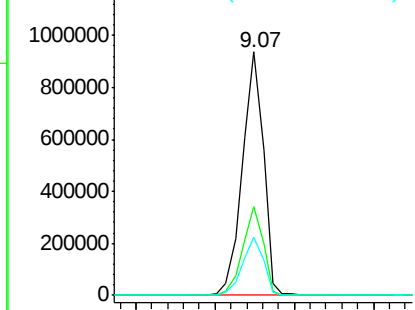
#44
2-Fluorobiphenyl
Concen: 75.02 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 860323
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.9 19.8 29.8

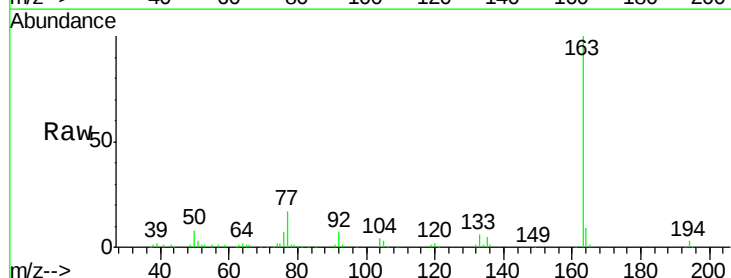


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

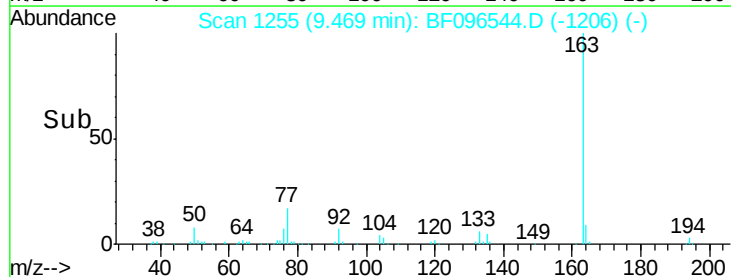
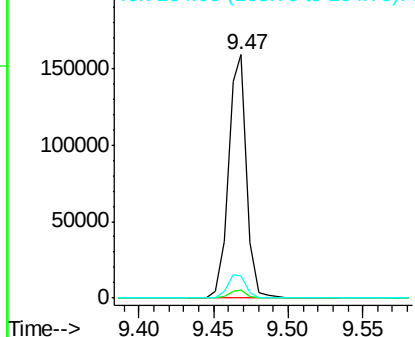


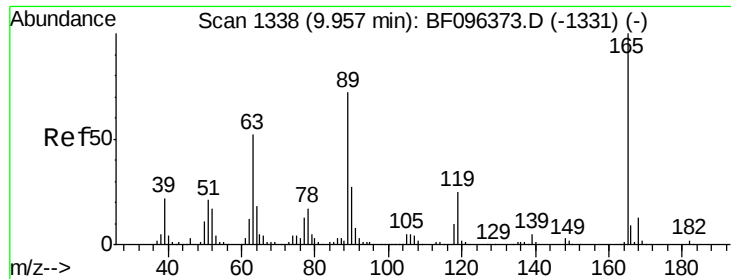
#49
Dimethylphthalate
Concen: 9.35 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:163 Resp: 136899
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.1 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

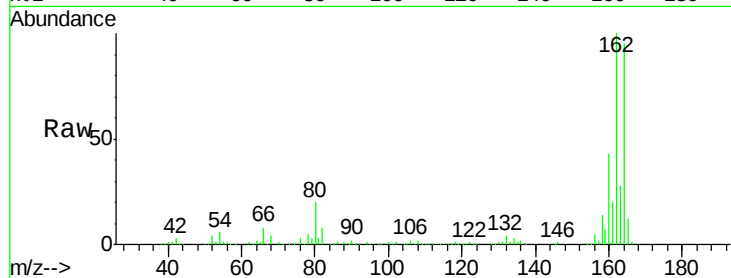




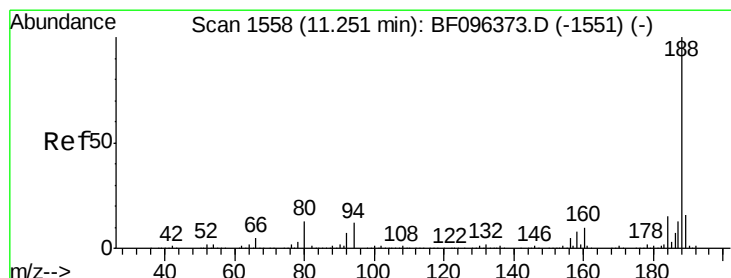
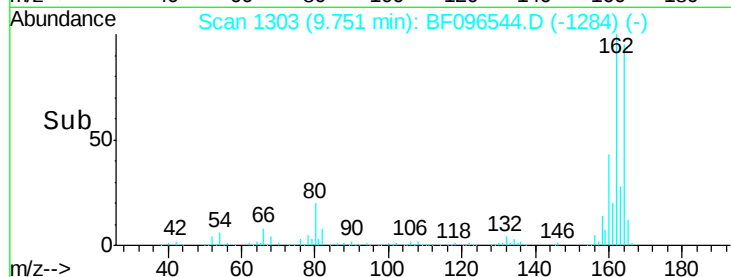
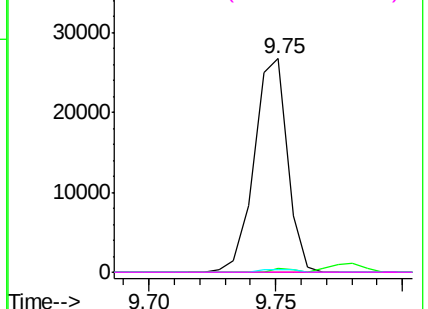
#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24608
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#

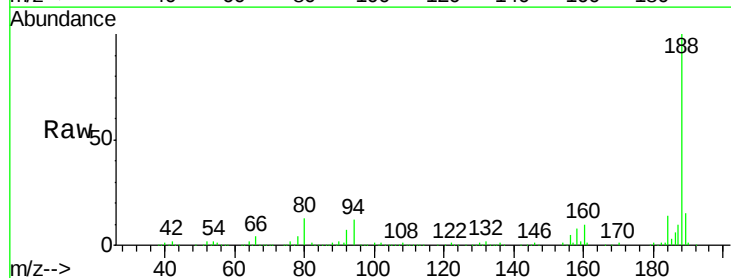


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

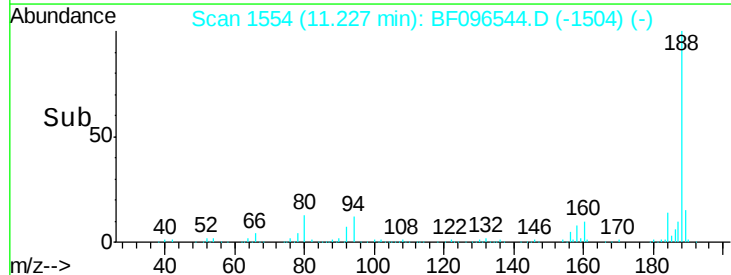
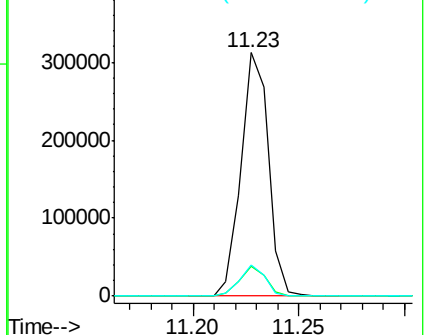


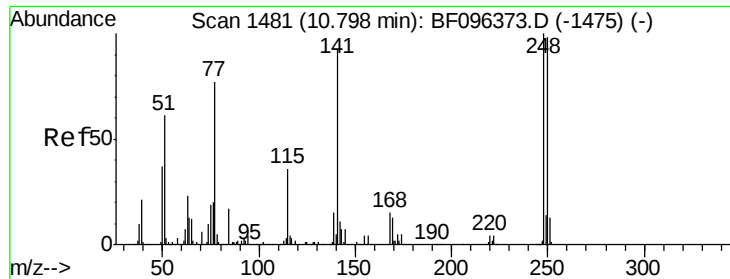
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion:188 Resp: 280856
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 12.9 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

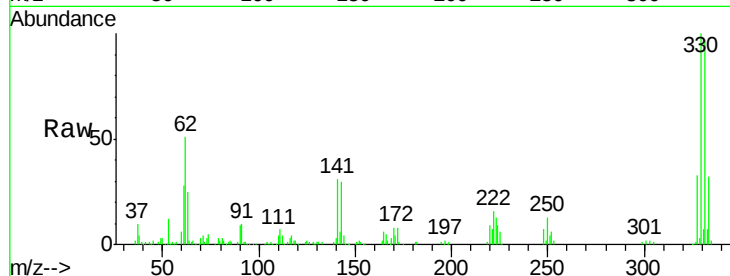




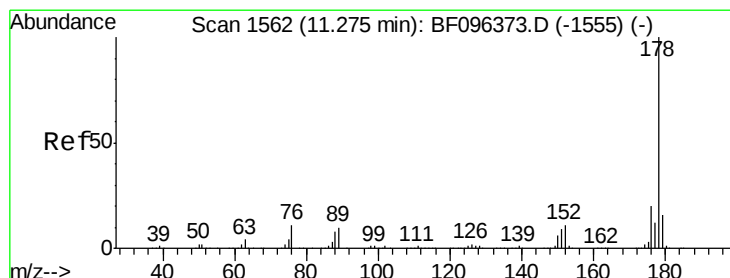
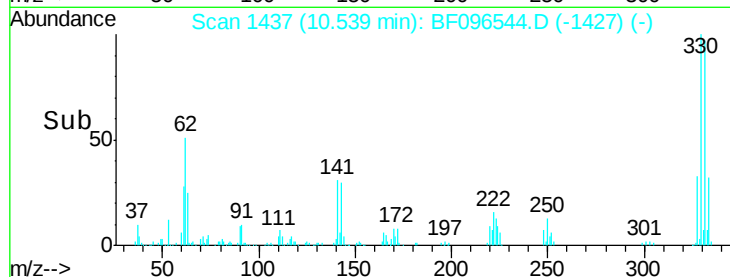
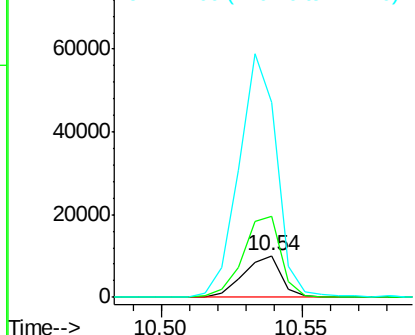
#66
4-Bromophenyl-phenylether
Concen: 3.37 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9207
Ion Ratio Lower Upper
248 100
250 193.5 76.8 115.2#
141 466.3 68.6 103.0#

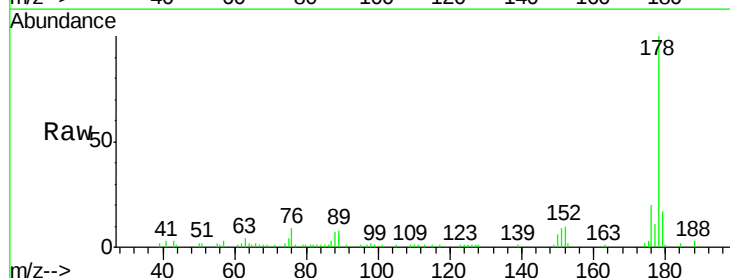


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

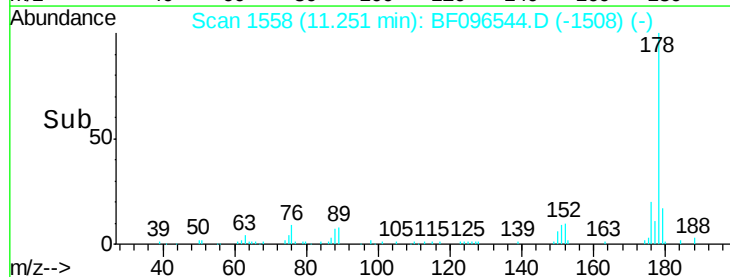
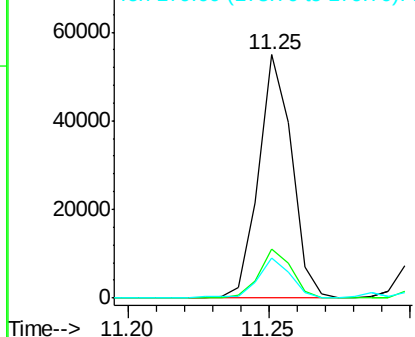


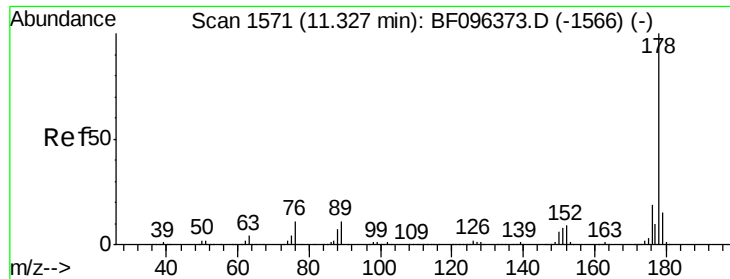
#70
Phenanthrene
Concen: 2.95 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:178 Resp: 44758
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 16.6 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

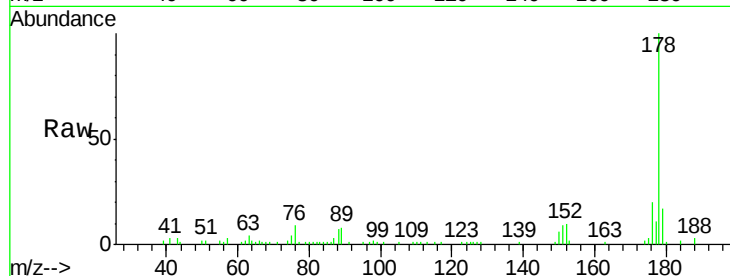




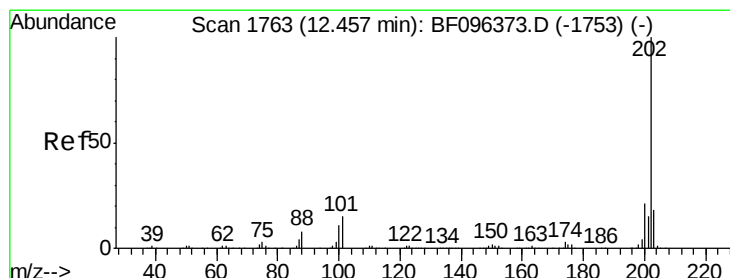
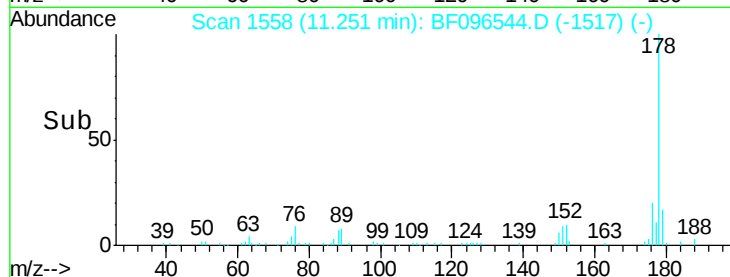
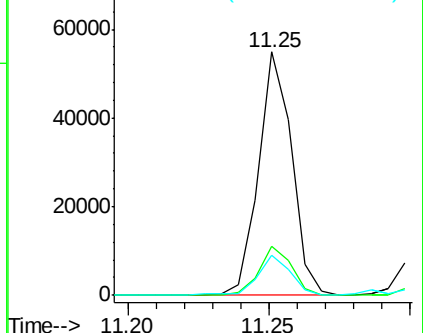
#71
 Anthracene
 Concen: 2.89 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.06 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 44758
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 16.6 12.7 19.1

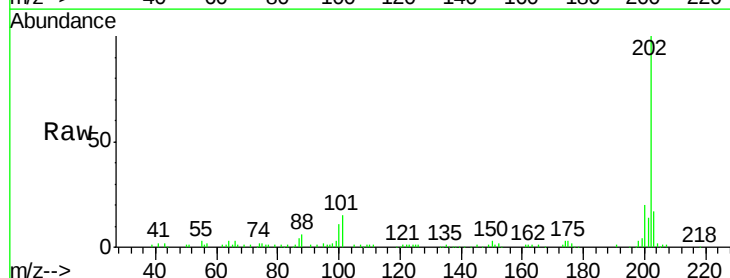


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

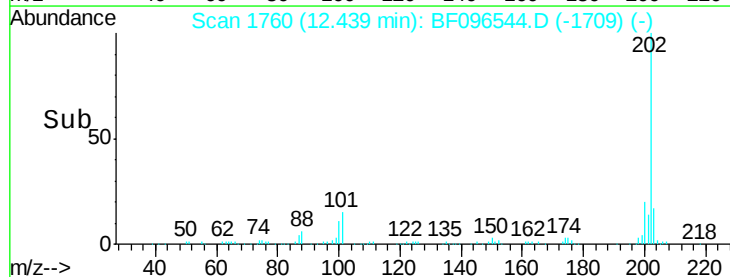
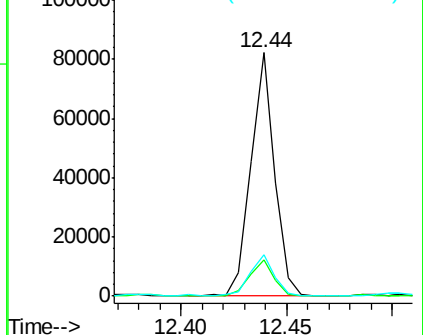


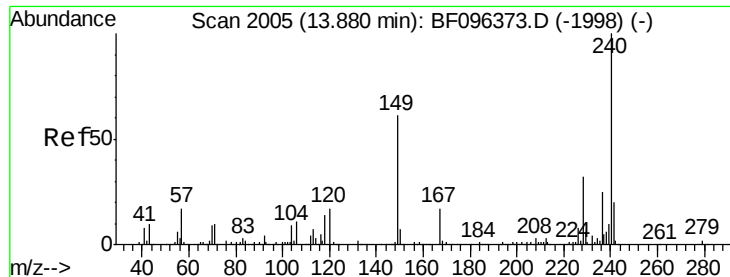
#74
 Fluoranthene
 Concen: 4.32 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion:202 Resp: 64243
 Ion Ratio Lower Upper
 202 100
 101 15.0 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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

ClientSampleId :

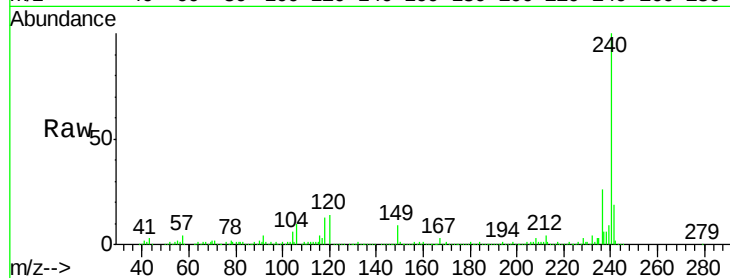
Tot Ion:240 Resp: 255977

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

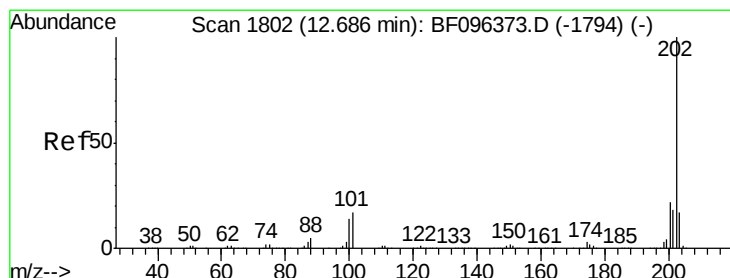
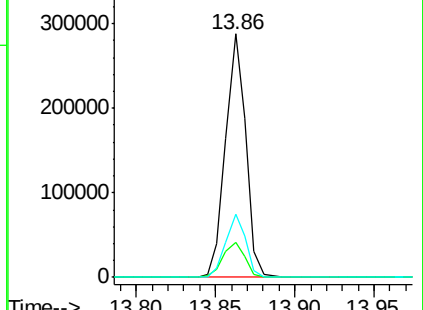
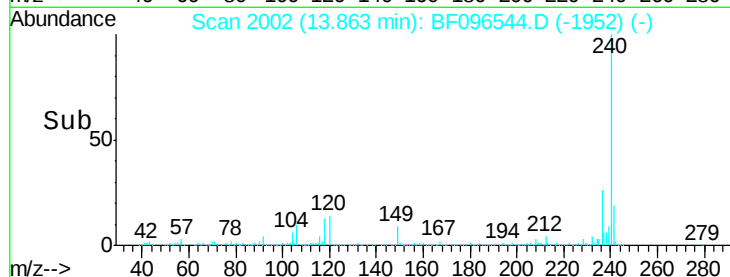
236 25.9 20.5 30.7



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: 3.20 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

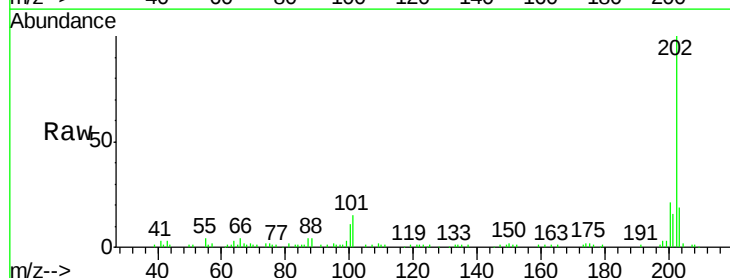
Tgt Ion:202 Resp: 65707

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

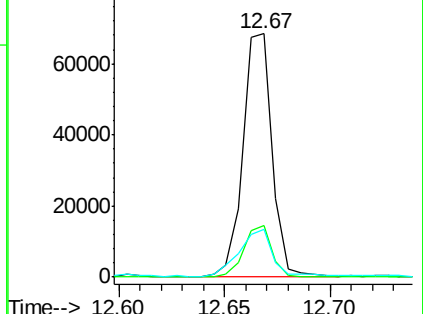
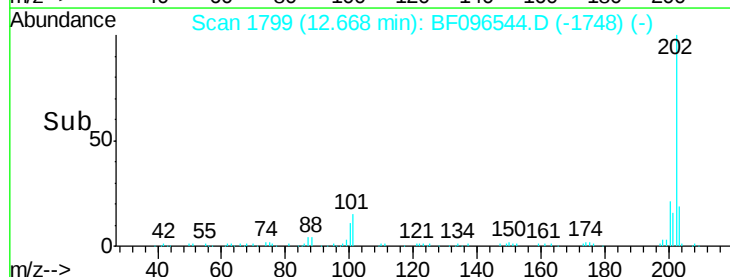
203 19.4 14.4 21.6

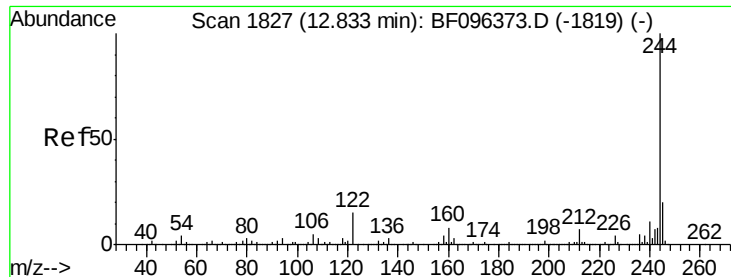


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

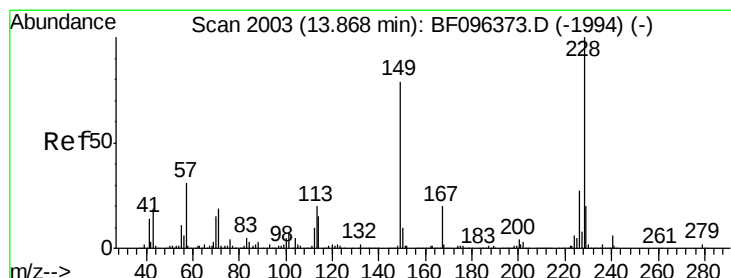
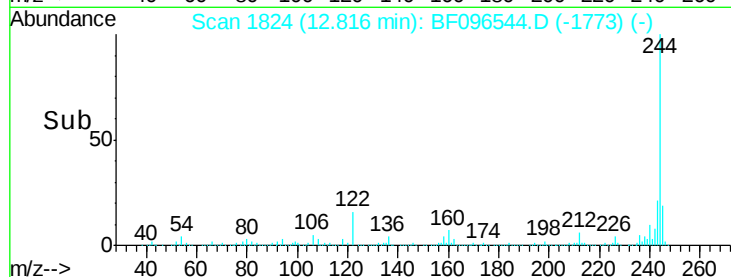
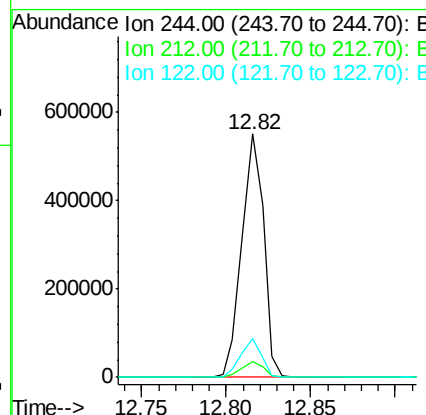
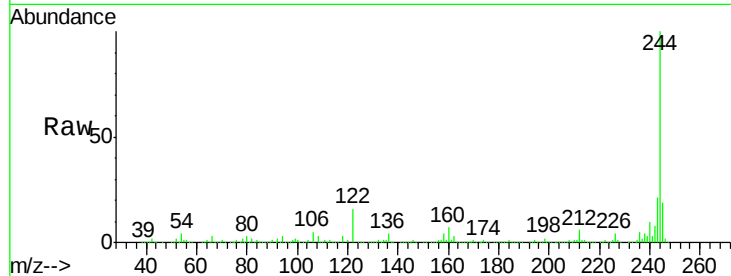




#78
 Terphenyl-d14
 Concen: 41.67 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

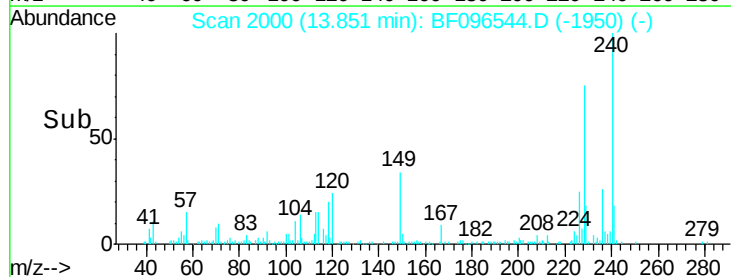
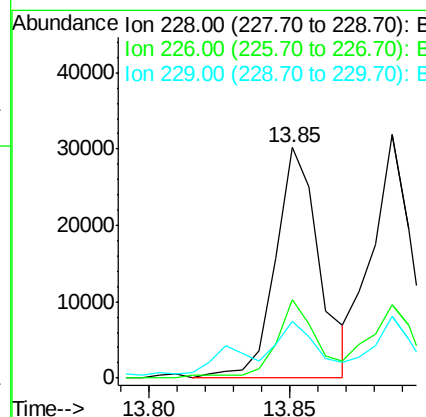
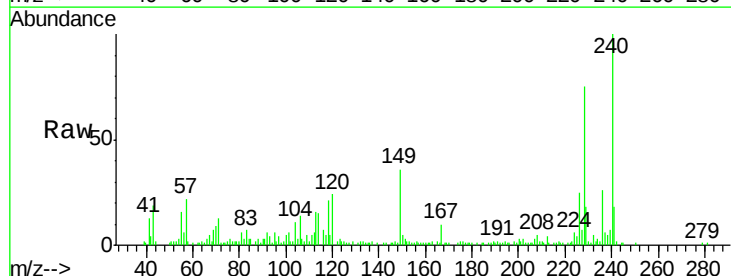
Instrument :
 BNA_F
 ClientSampleId :

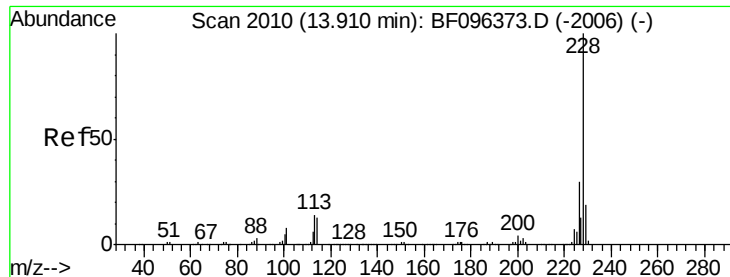
Tot Ion:244 Resp: 499129
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 15.8 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 2.20 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096544.D
 Acq: 6 Jul 2017 20:15

Tgt Ion:228 Resp: 32660
 Ion Ratio Lower Upper
 228 100
 226 34.0 22.6 33.8#
 229 24.6 16.3 24.5#





#82

Chrysene

Concen: 2.01 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

Instrument :

BNA_F

ClientSampleId :

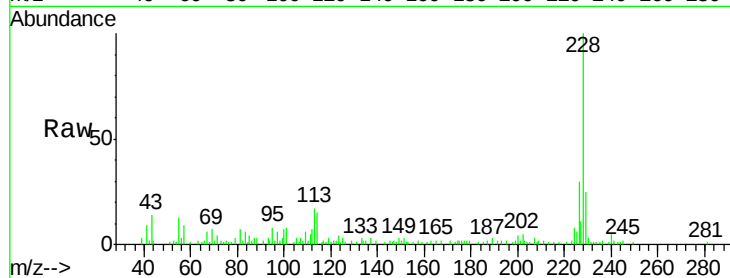
Tot Ion:228 Resp: 31189

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

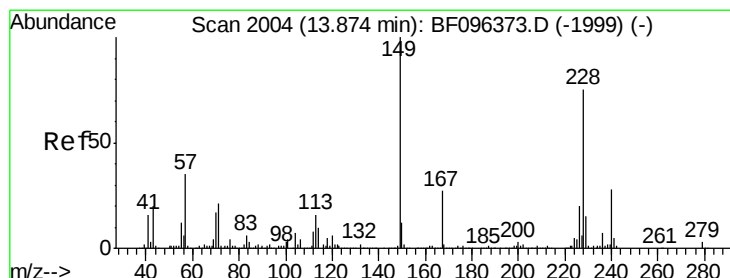
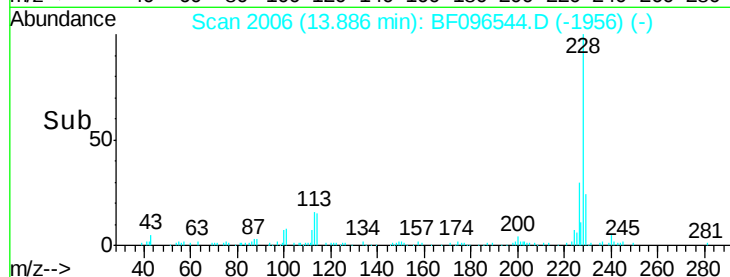
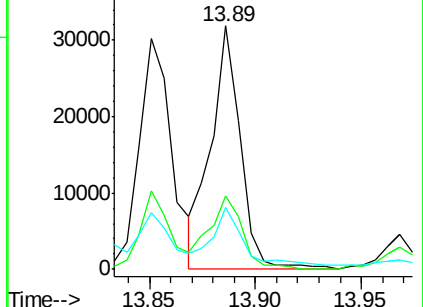
229 25.2 15.8 23.6#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.59 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF096544.D

Acq: 6 Jul 2017 20:15

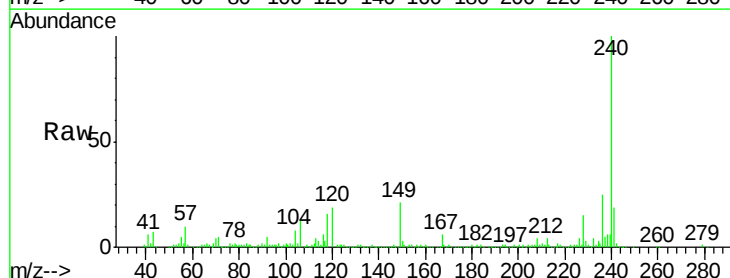
Tgt Ion:149 Resp: 30024

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

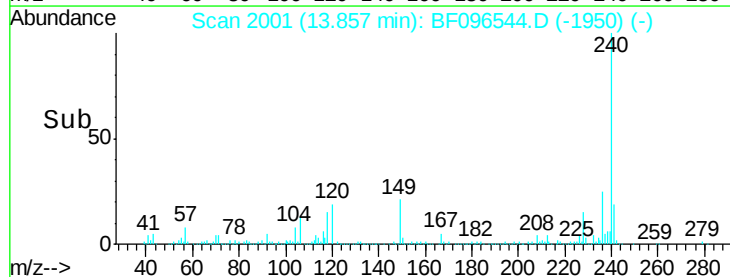
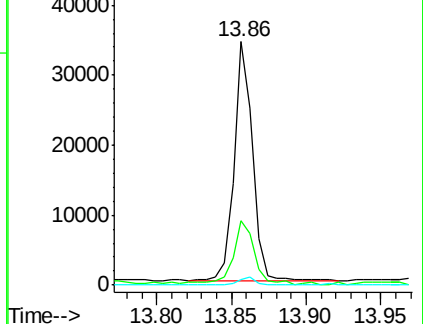
279 2.5 1.9 2.9

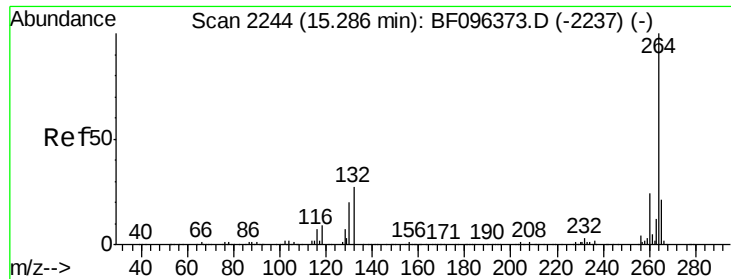


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

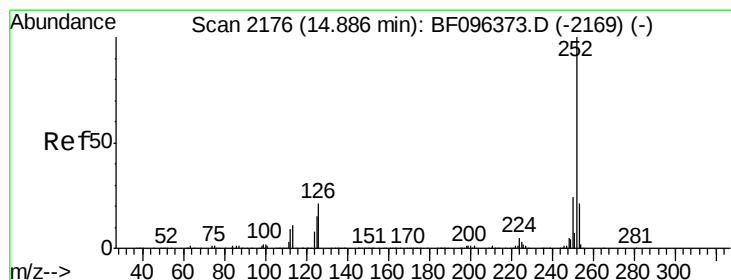
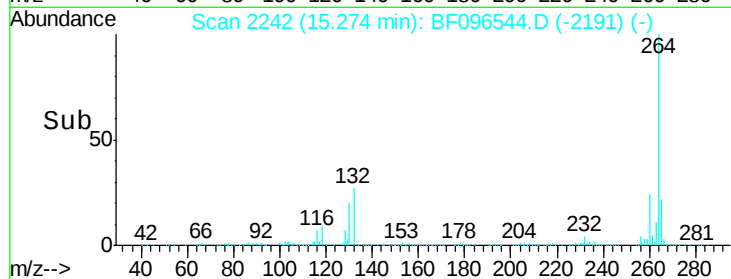
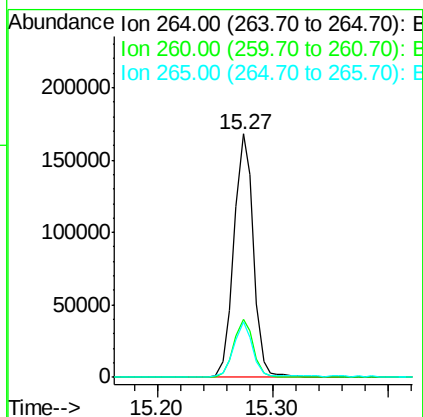
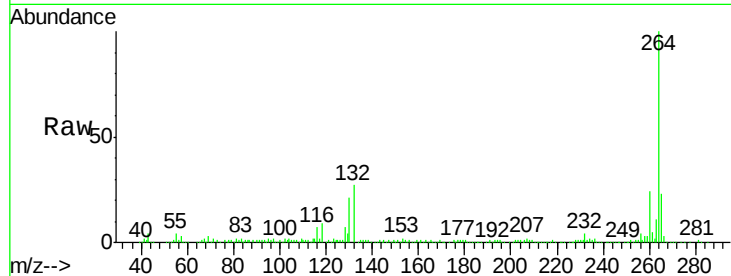




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

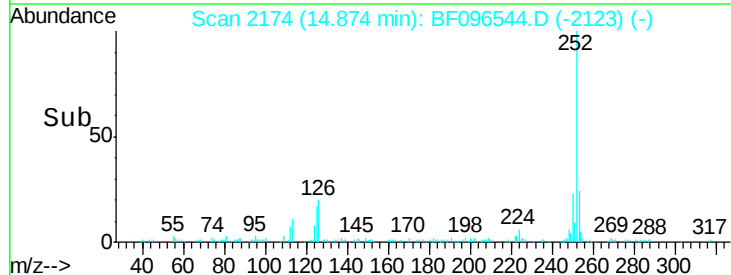
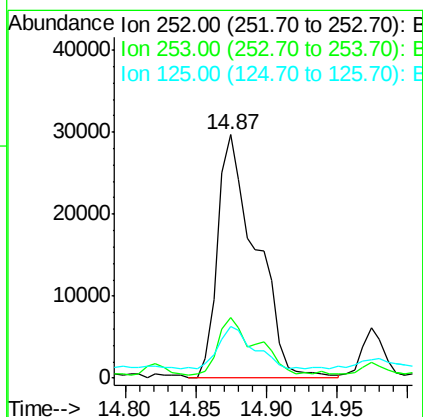
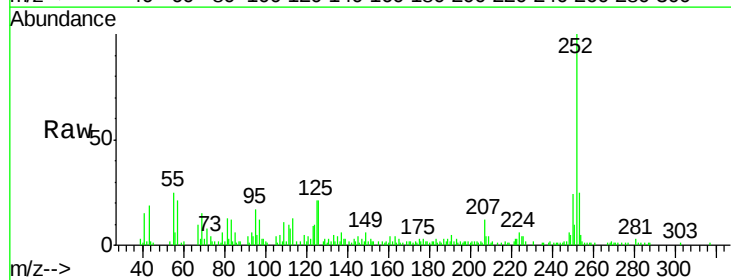
Instrument :
BNA_F
ClientSampleId :

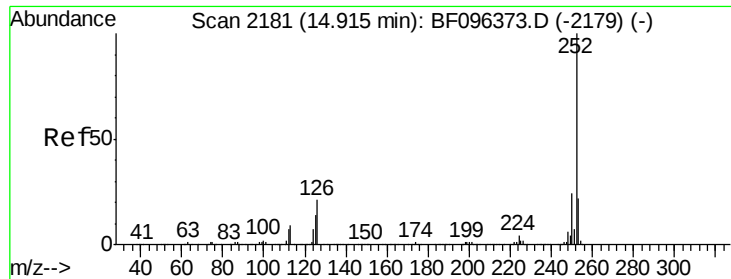
Tot Ion:264 Resp: 197292
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.57 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:252 Resp: 56485
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 21.3 9.8 14.8#

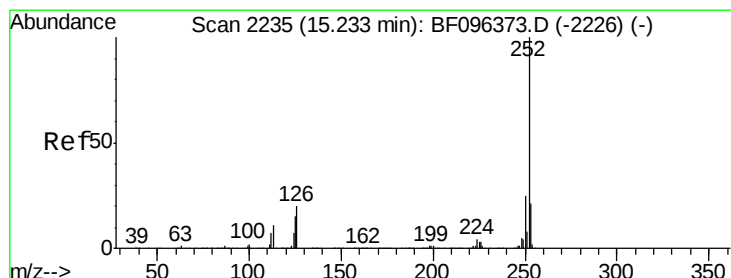
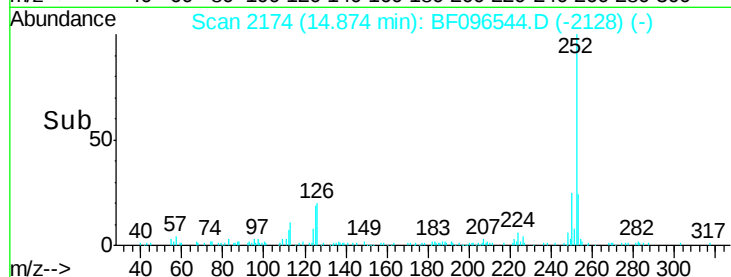
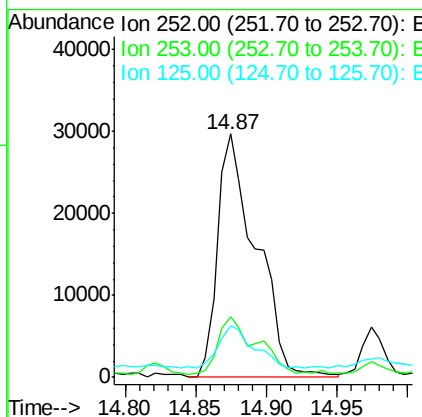
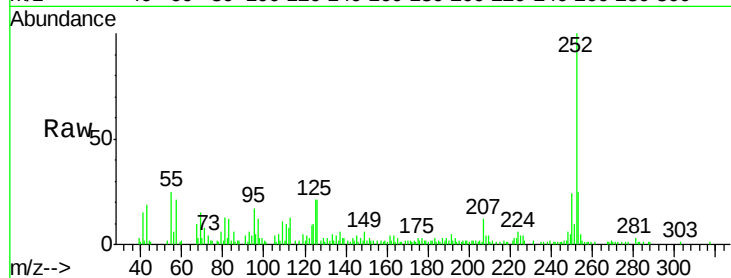




#88
Benzo(k)fluoranthene
Concen: 5.11 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 56485
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 21.3 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096544.D
Acq: 6 Jul 2017 20:15

Tgt Ion:252 Resp: 29732
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 24.2 11.0 16.4#

