

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096504.D
 Acq On : 6 Jul 2017 1:29
 Operator : SJ/MA
 Sample : I3976-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B9-6-8

Quant Time: Jul 06 04:48:36 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

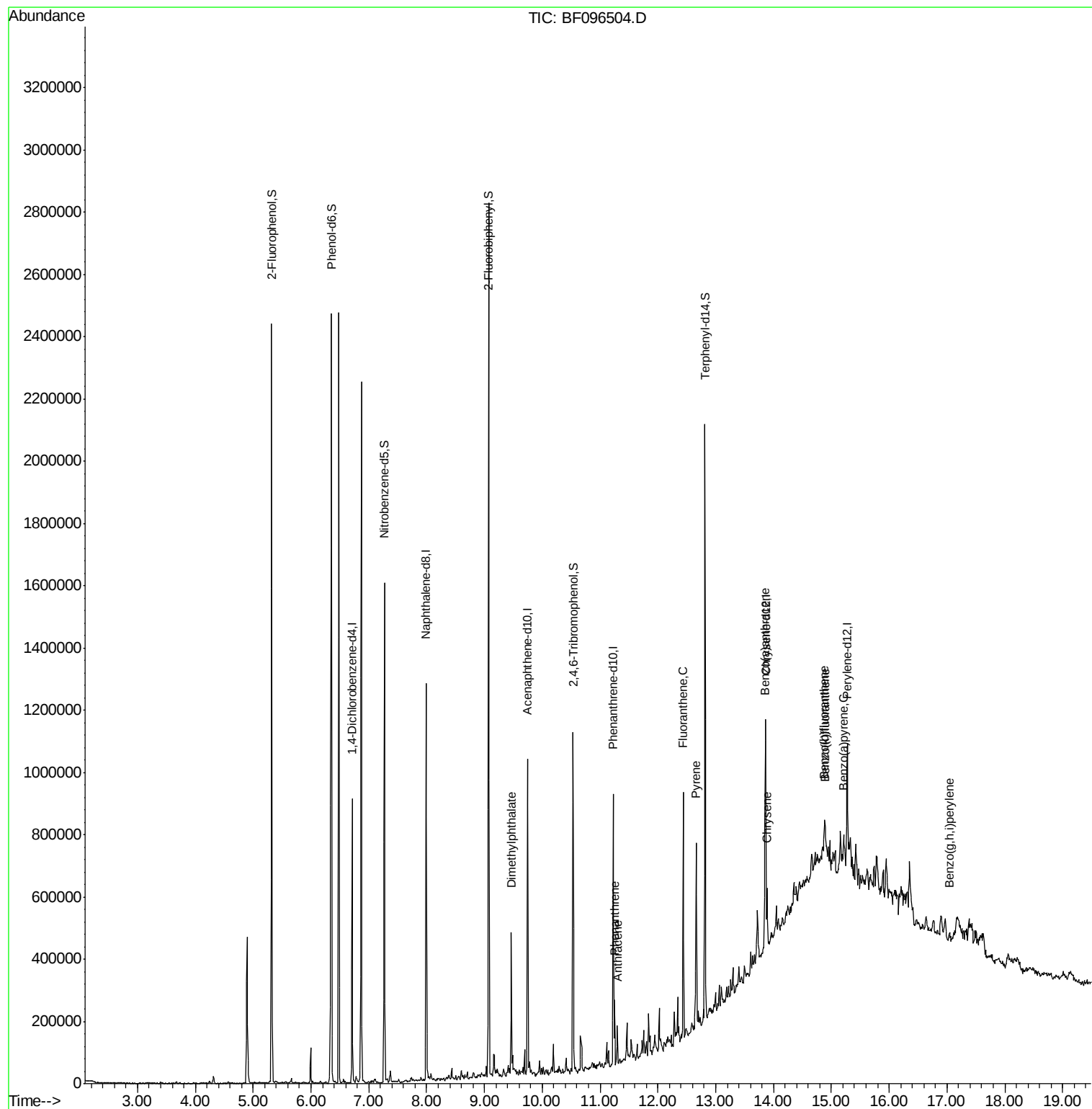
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	120201	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	519444	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	198546	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	298329	20.00	ng	0.00
75) Chrysene-d12	13.86	240	221864	20.00	ng	0.00
86) Perylene-d12	15.27	264	169519	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	681734	83.71	ng	0.00
7) Phenol-d6	6.35	99	866615	86.56	ng	0.00
23) Nitrobenzene-d5	7.27	82	495598	57.33	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	116268	74.97	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	862221	74.25	ng	0.00
78) Terphenyl-d14	12.82	244	559336	53.87	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	163826	11.05	ng	99
70) Phenanthrene	11.25	178	71068	4.41	ng	98
71) Anthracene	11.30	178	34145	2.08	ng	99
74) Fluoranthene	12.44	202	297711	18.83	ng	100
77) Pyrene	12.66	202	238025	13.37	ng	99
80) Benzo(a)anthracene	13.85	228	91791	7.14	ng	98
82) Chrysene	13.89	228	72501m	5.39	ng	
87) Benzo(b)fluoranthene	14.87	252	67096m	6.32	ng	
88) Benzo(k)fluoranthene	14.90	252	20807m	2.19	ng	
89) Benzo(a)pyrene	15.22	252	41243	4.35	ng	# 71
91) Benzo(g,h,i)perylene	17.05	276	19031	2.46	ng	# 88

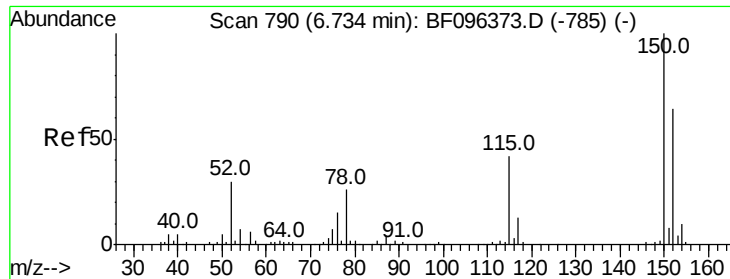
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampleId :

B9-6-8

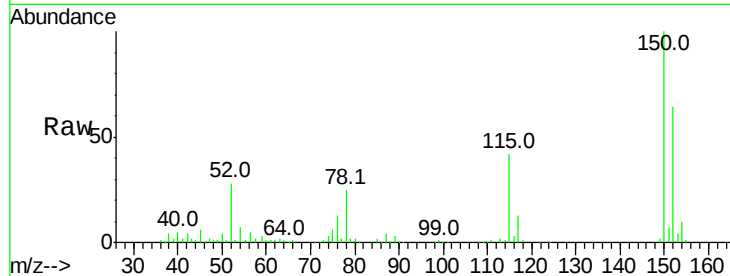
Tot Ion:152 Resp: 120201

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.2

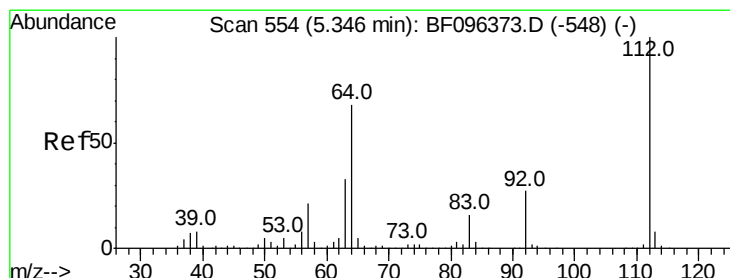
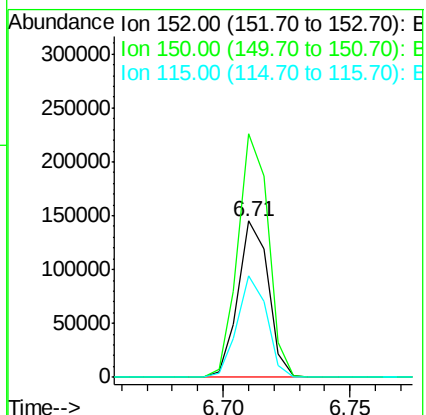
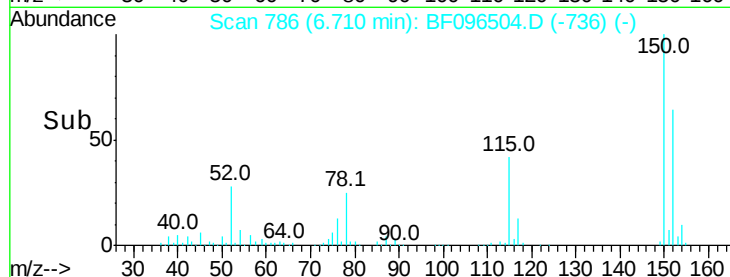
115 65.1 52.2 78.2



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: 83.71 ng

RT: 5.32 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

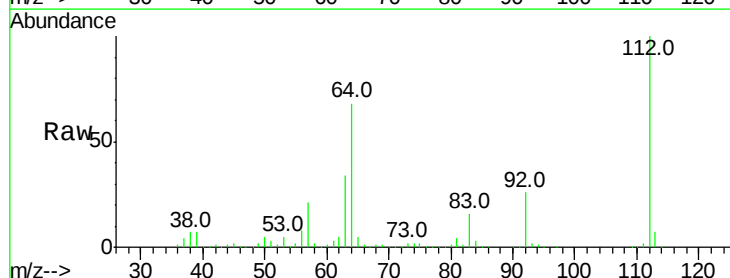
Tgt Ion:112 Resp: 681734

Ion Ratio Lower Upper

112 100

64 67.6 46.0 69.0

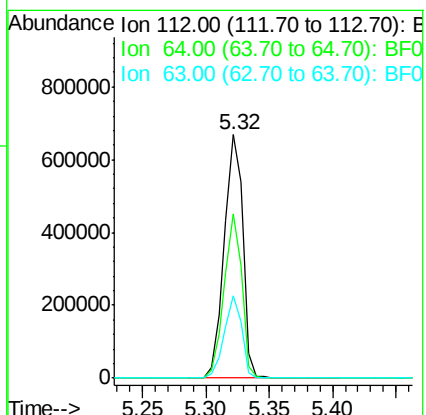
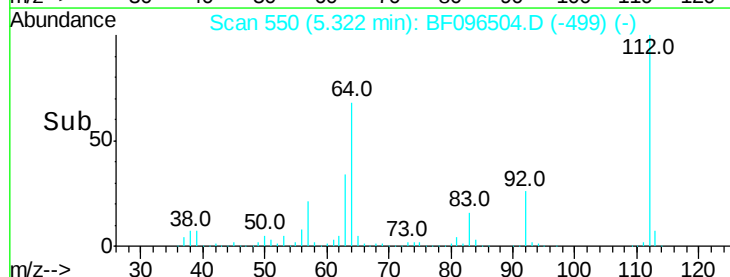
63 33.7 23.4 35.0



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: 86.56 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampled :

B9-6-8

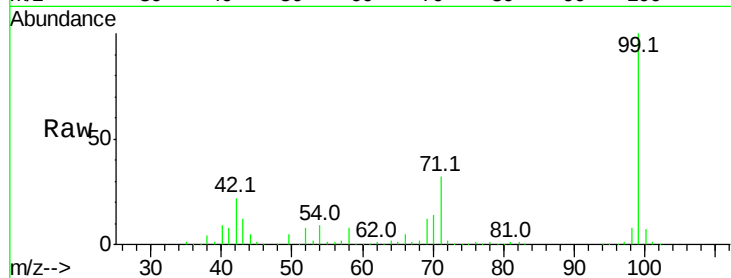
Tot Ion: 99 Resp: 866615

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

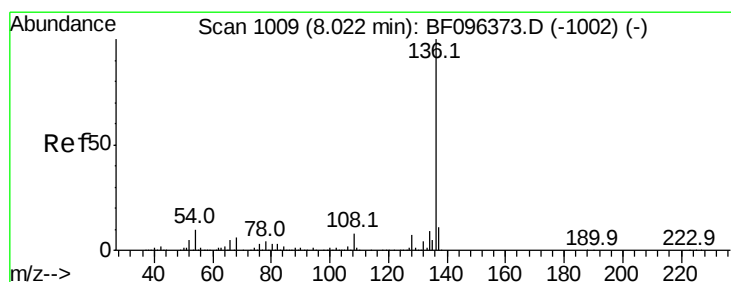
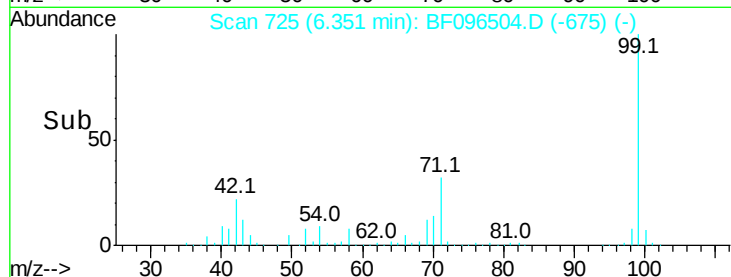
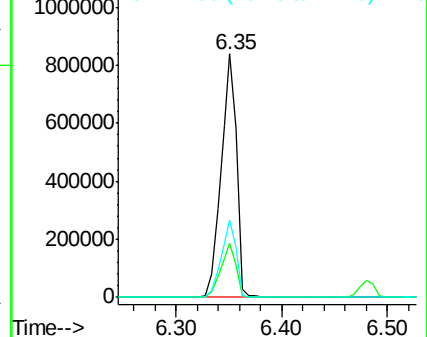
71 31.9 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Tgt Ion: 136 Resp: 519444

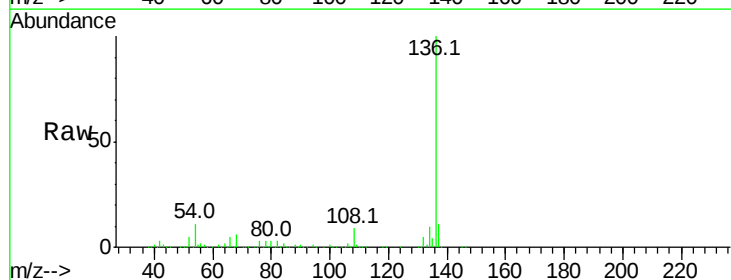
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.9 4.9 7.3#

68 5.7 4.1 6.1

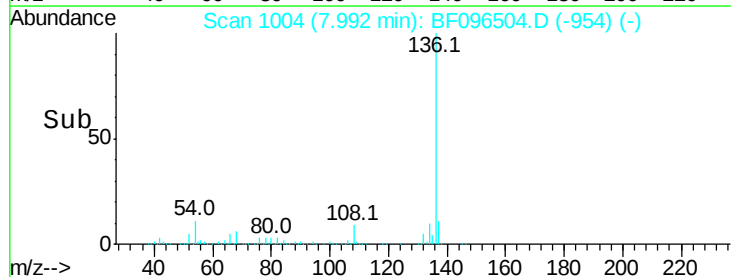
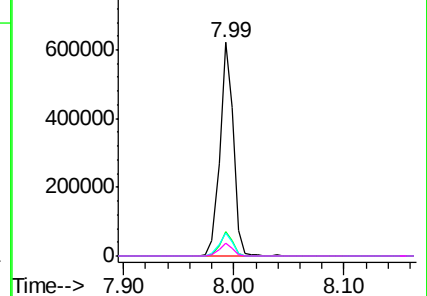


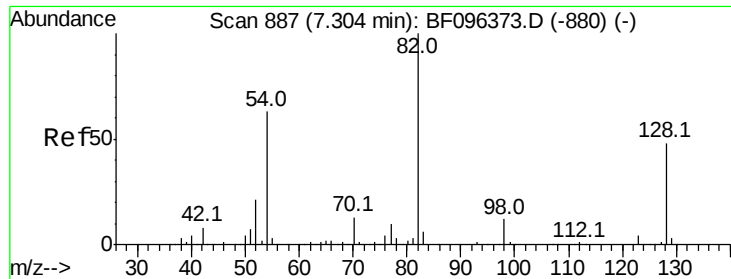
Abundance Ion 136.00 (135.70 to 136.70): E

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

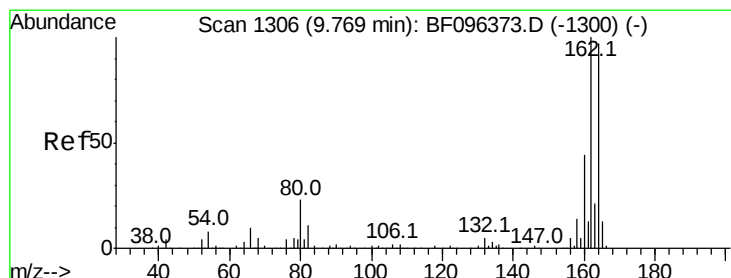
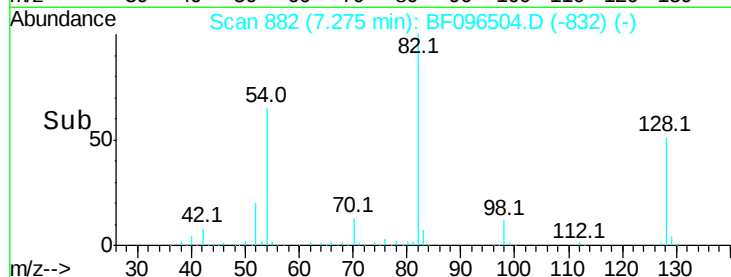
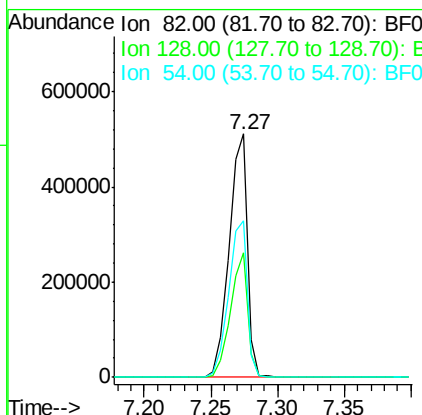
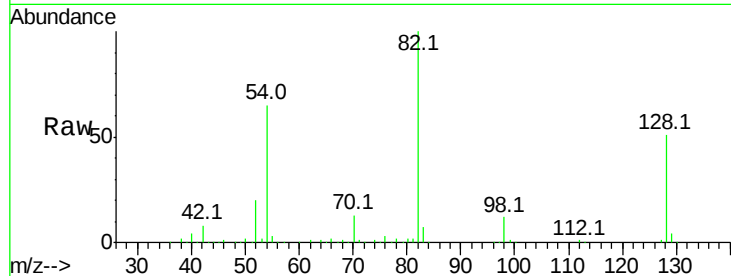




#23
 Nitrobenzene-d5
 Concen: 57.33 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

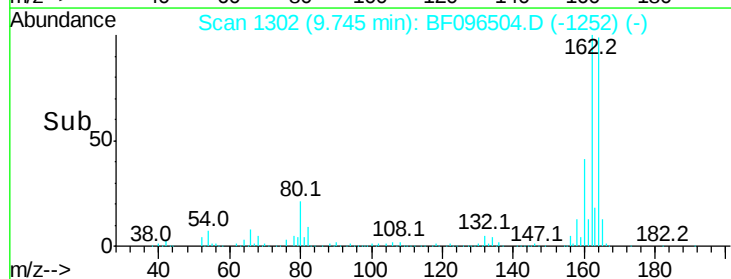
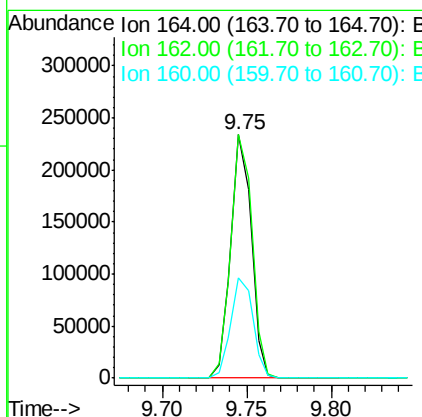
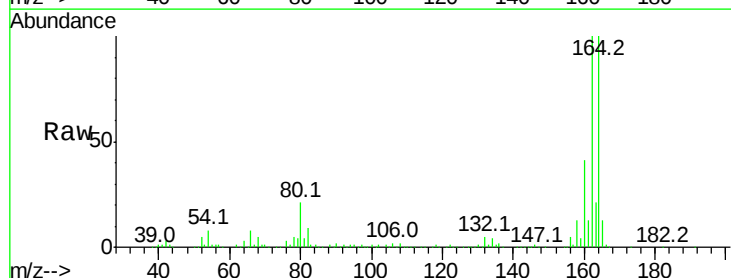
Instrument :
 BNA_F
 ClientSampleId :
 B9-6-8

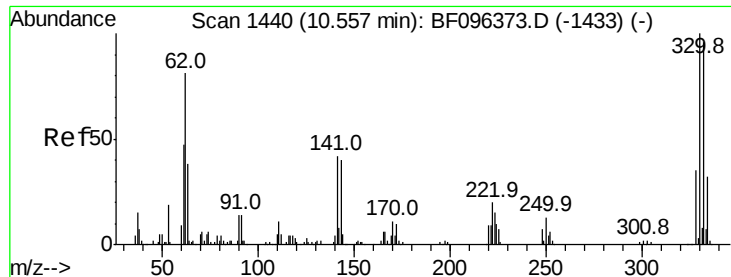
Tot Ion: 82 Resp: 495598
 Ion Ratio Lower Upper
 82 100
 128 50.9 34.0 51.0
 54 64.5 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Tgt Ion:164 Resp: 198546
 Ion Ratio Lower Upper
 164 100
 162 100.1 82.6 123.8
 160 41.5 36.2 54.2

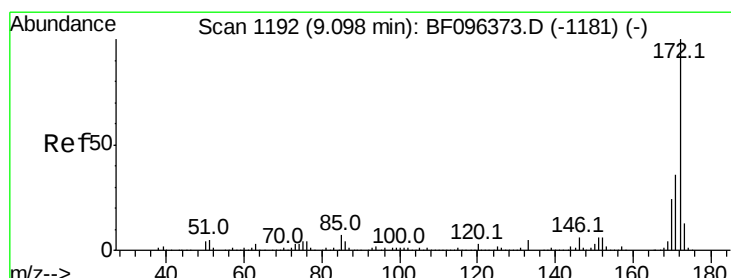
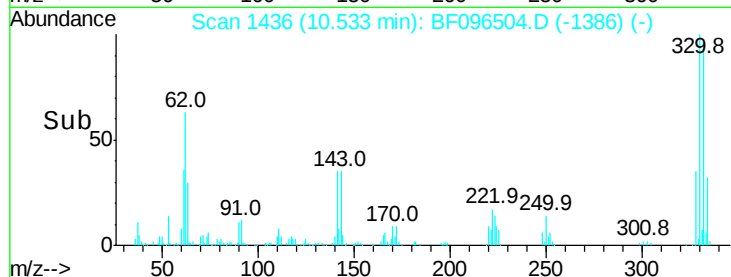
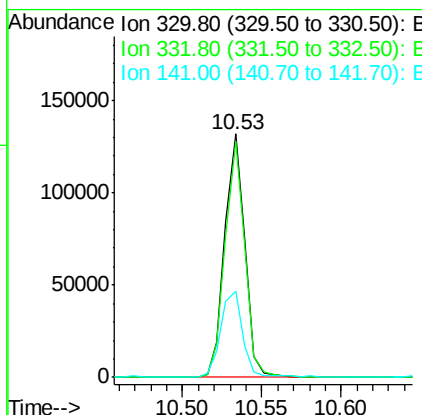
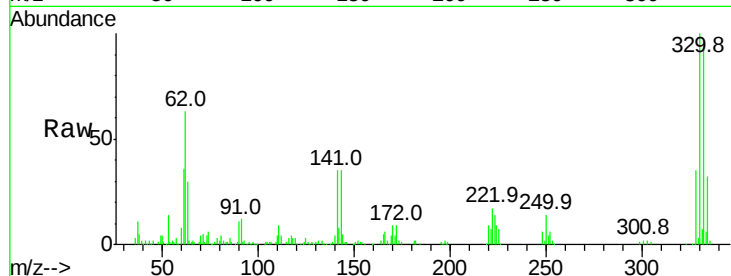




#41
 2,4,6-Tribromophenol
 Concen: 74.97 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

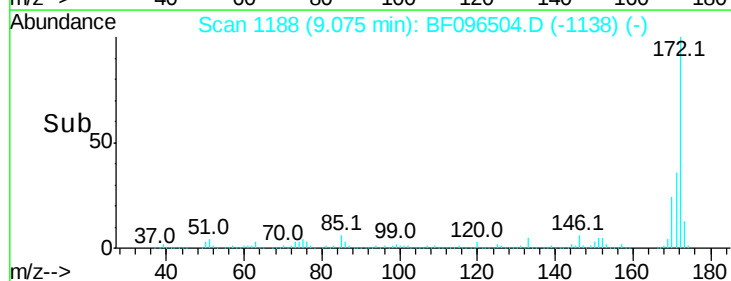
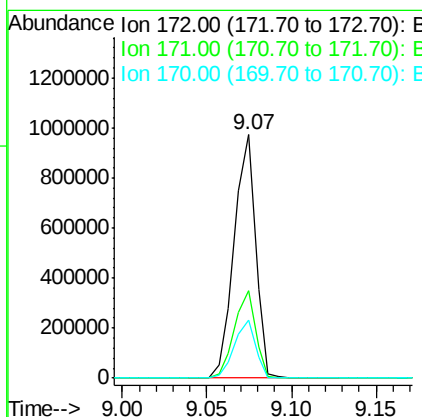
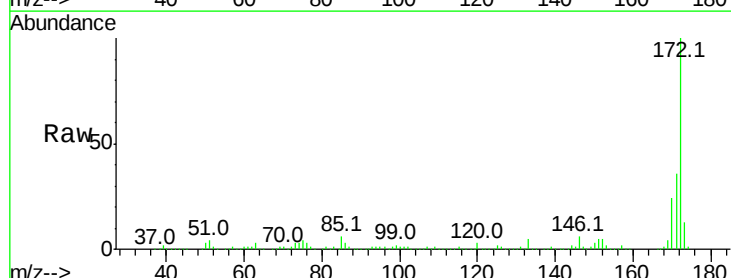
Instrument :
 BNA_F
 ClientSampleId :
 B9-6-8

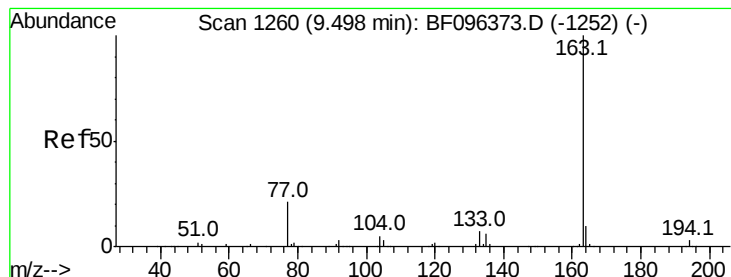
Tot Ion:330 Resp: 116268
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.5 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 74.25 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Tgt Ion:172 Resp: 862221
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 11.05 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampled :

B9-6-8

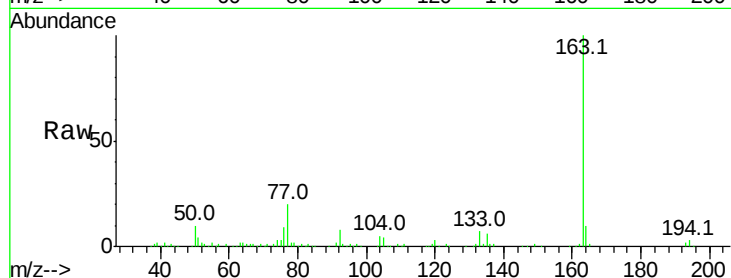
Tot Ion:163 Resp: 163826

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

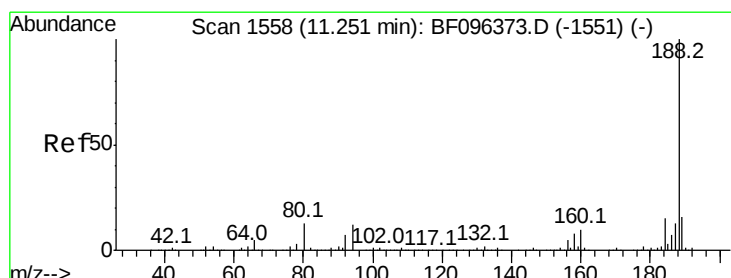
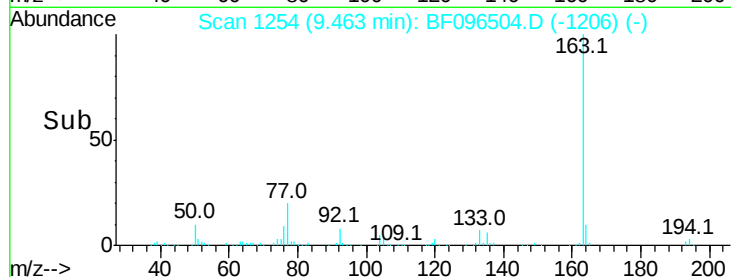
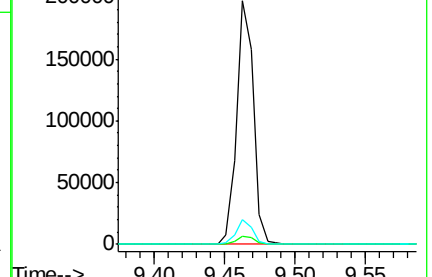
164 9.9 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

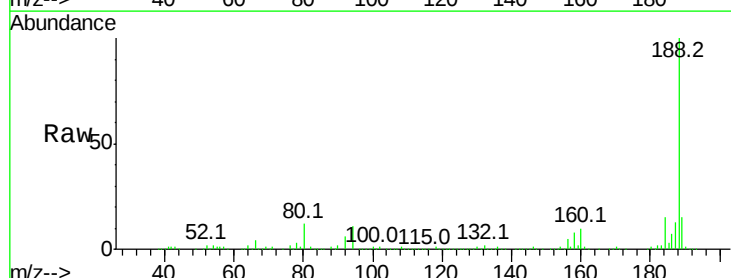
Tgt Ion:188 Resp: 298329

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

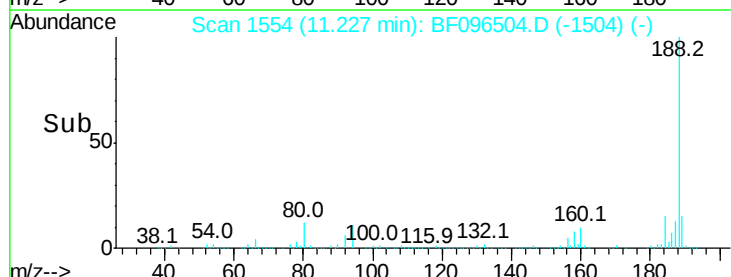
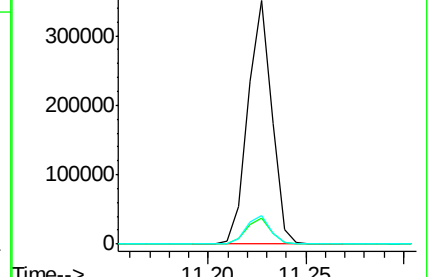
80 11.7 10.2 15.2

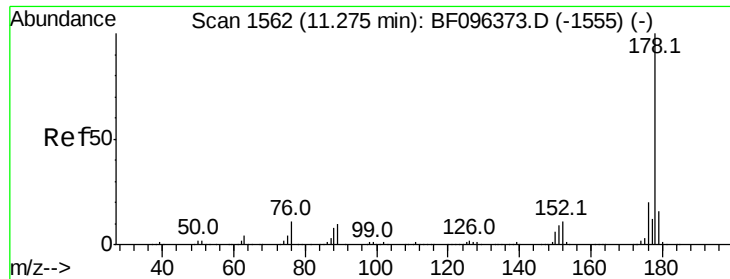


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

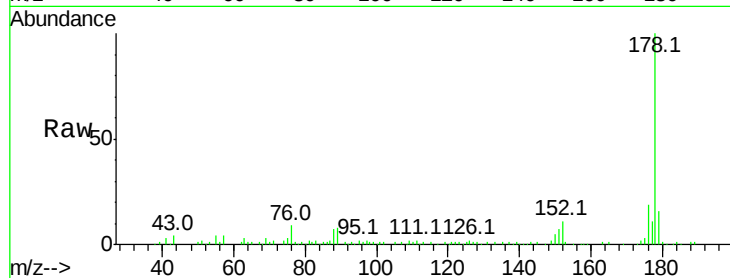




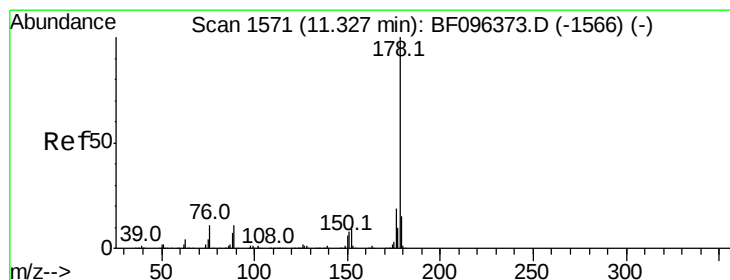
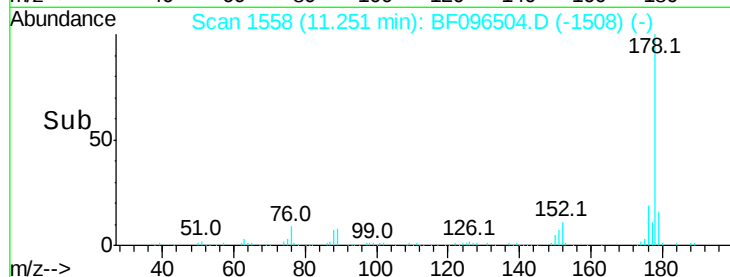
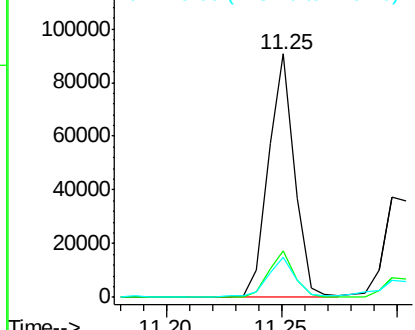
#70
Phenanthrene
Concen: 4.41 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Instrument :
BNA_F
ClientSampleId :
B9-6-8

Tot Ion:178 Resp: 71068
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 16.5 12.6 19.0

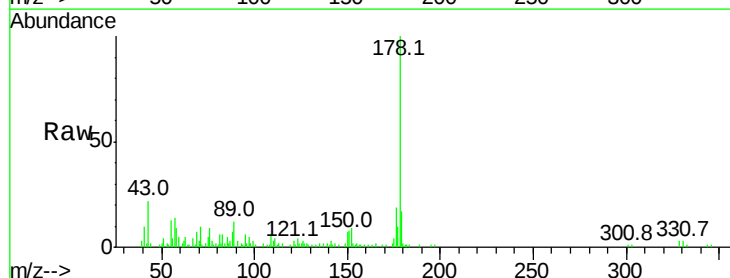


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

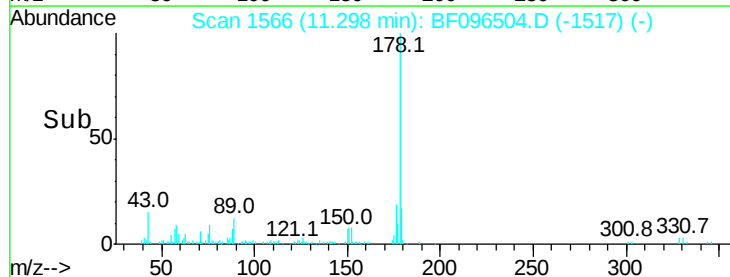
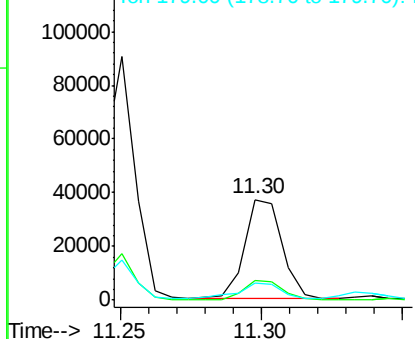


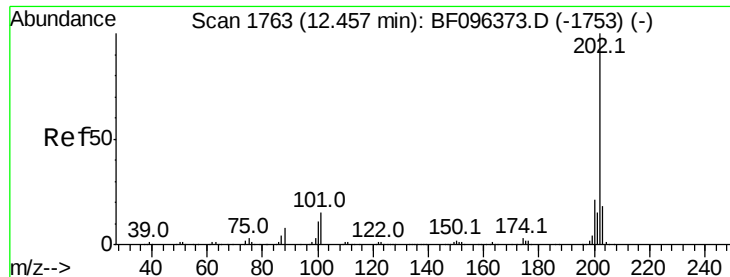
#71
Anthracene
Concen: 2.08 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion:178 Resp: 34145
Ion Ratio Lower Upper
178 100
176 19.2 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: 18.83 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampleId :

B9-6-8

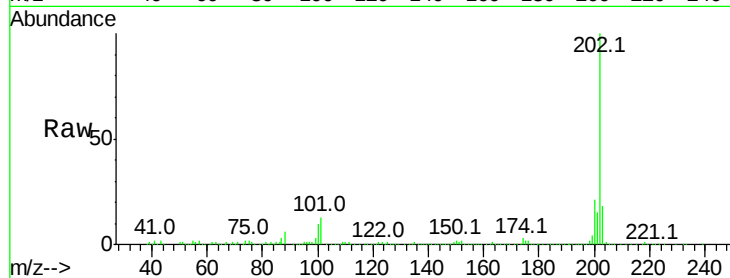
Tot Ion:202 Resp: 297711

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

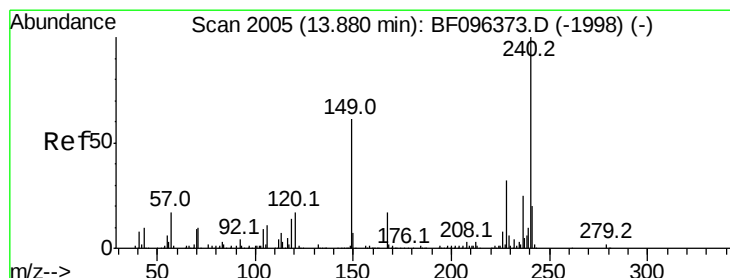
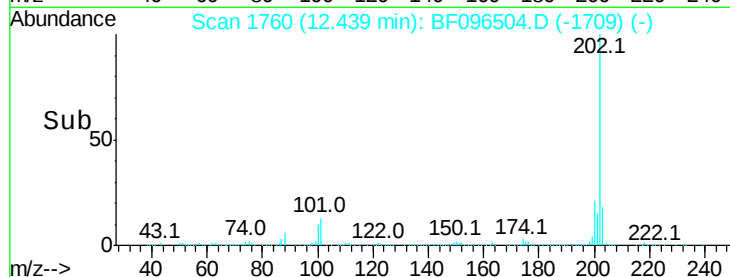
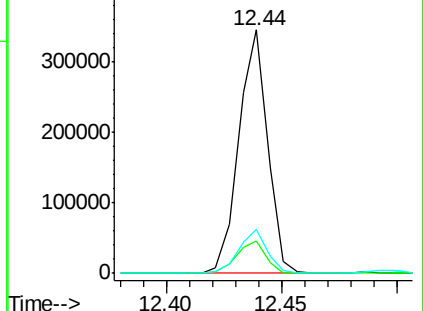
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

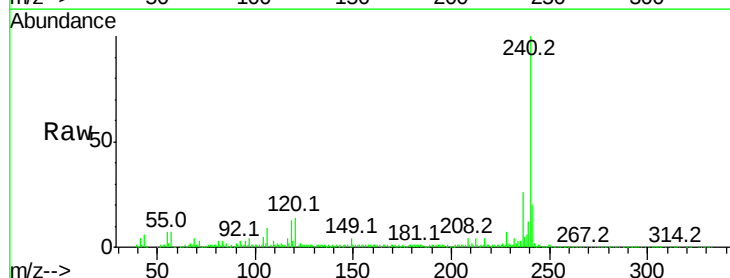
Tgt Ion:240 Resp: 221864

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

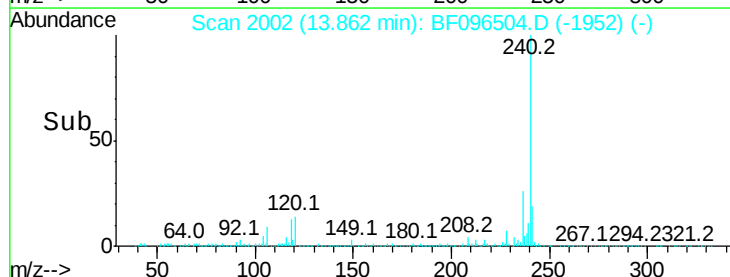
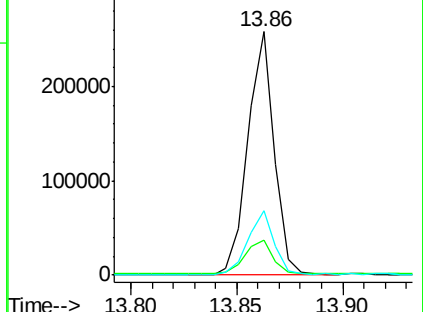
236 26.2 20.5 30.7

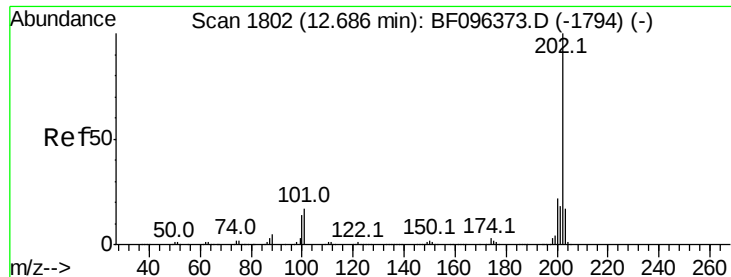


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

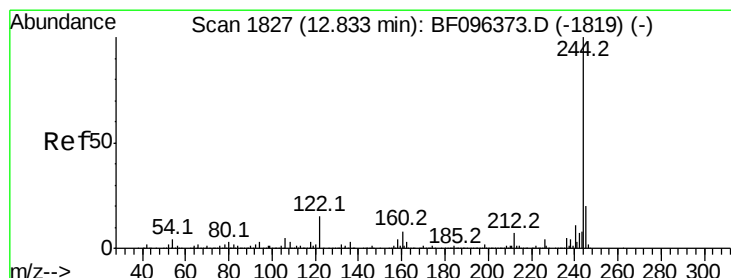
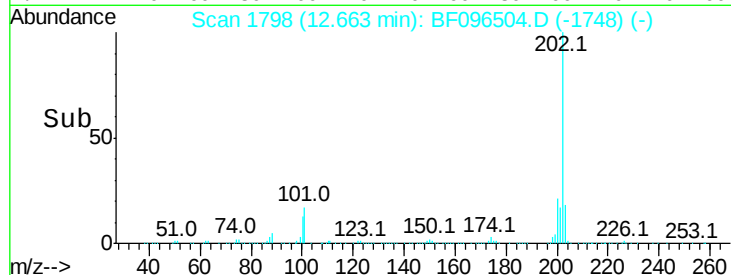
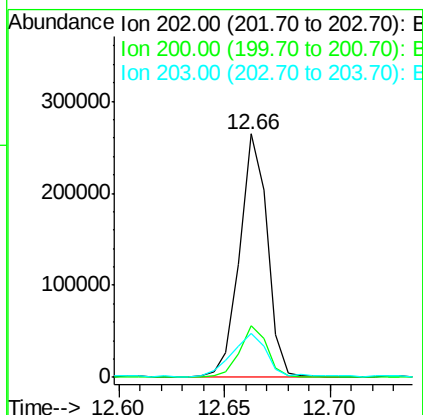
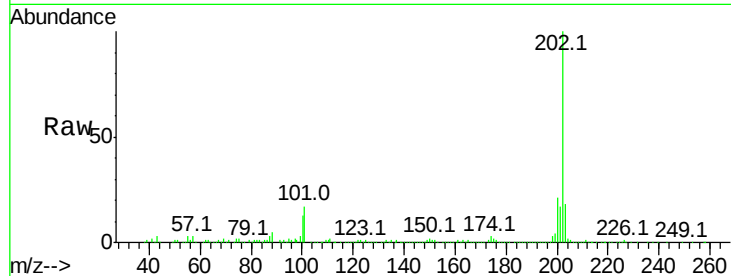




#77
Pvrene
Concen: 13.37 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

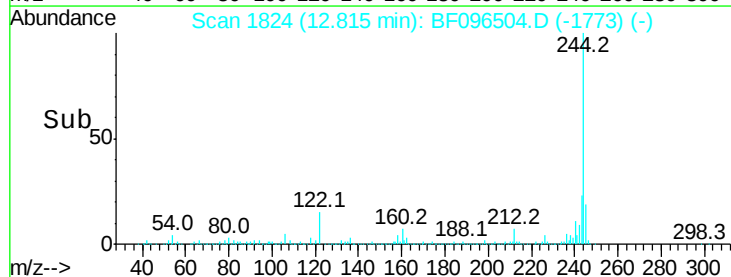
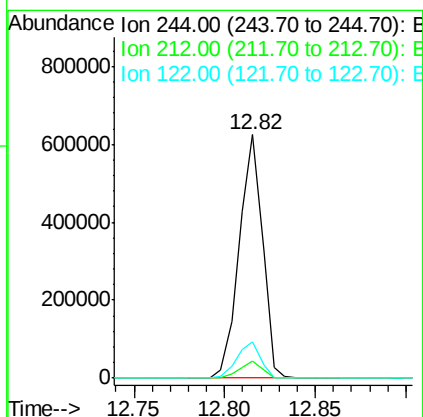
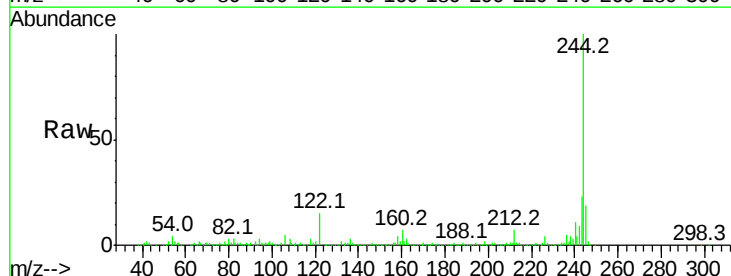
Instrument :
BNA_F
ClientSampleId :
B9-6-8

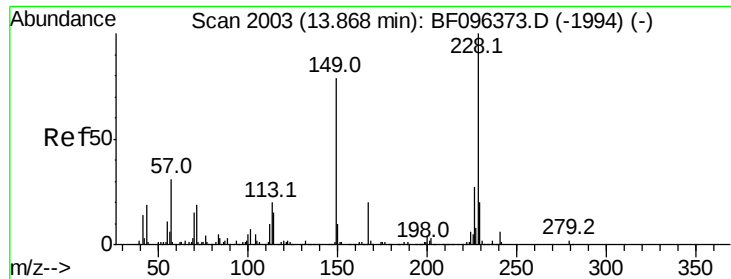
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6



#78
Terphenyl-d14
Concen: 53.87 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	15.0	10.3	15.5





#80

Benzo(a)anthracene

Concen: 7.14 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampleId :

B9-6-8

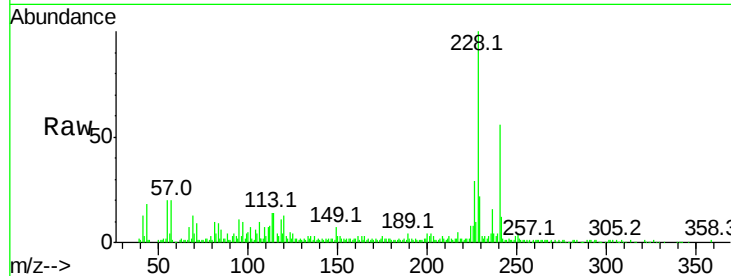
Tot Ion:228 Resp: 91791

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

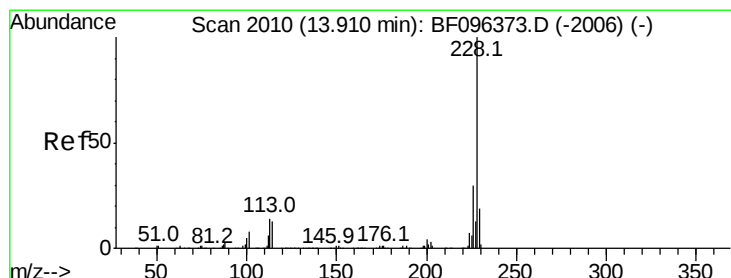
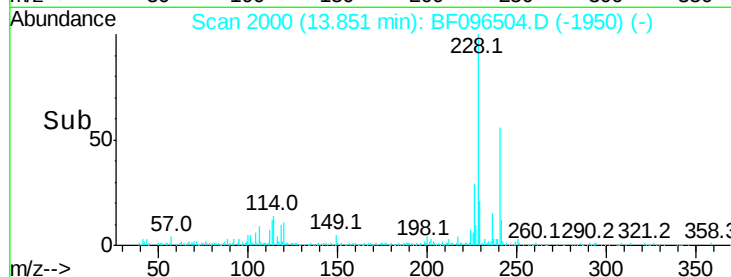
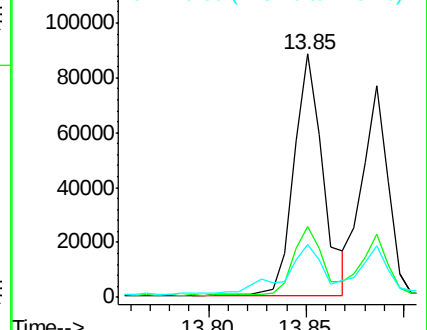
229 21.8 16.3 24.5



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



#82

Chrysene

Concen: 5.39 ng m

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

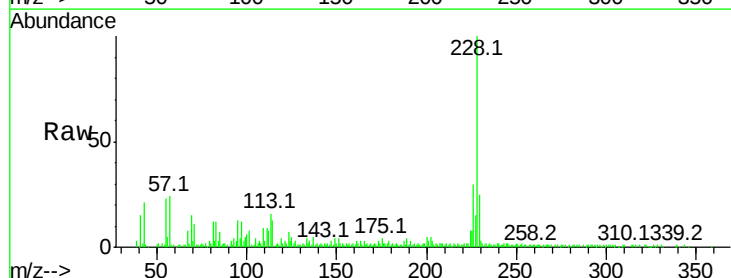
Tgt Ion:228 Resp: 72501

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

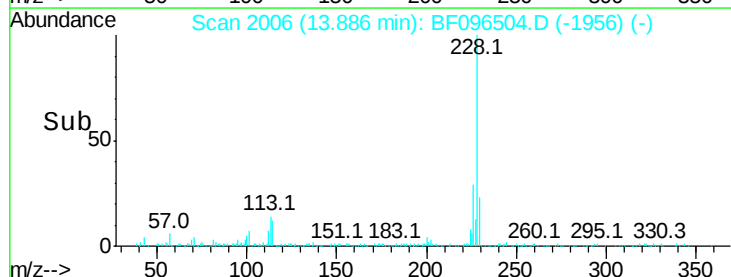
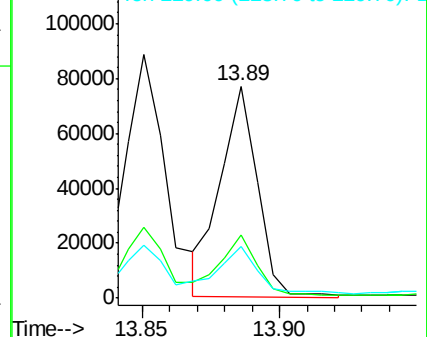
229 24.7 15.8 23.6#

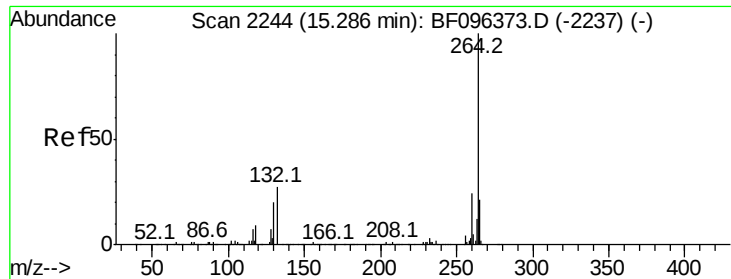


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

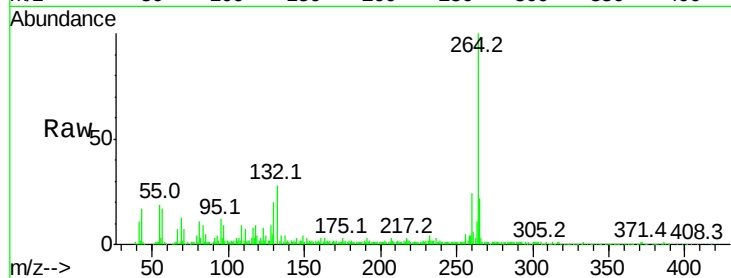




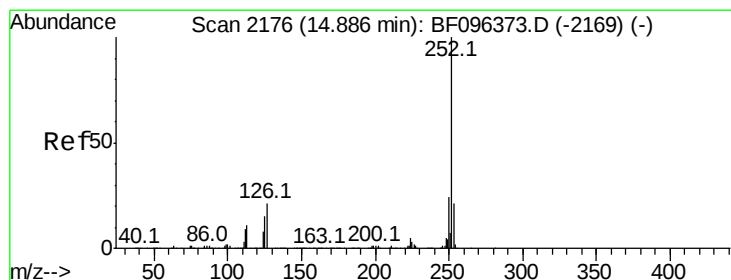
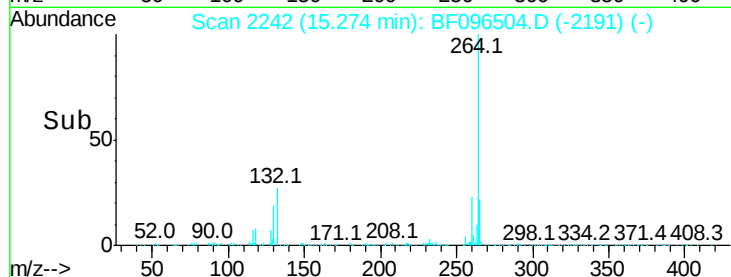
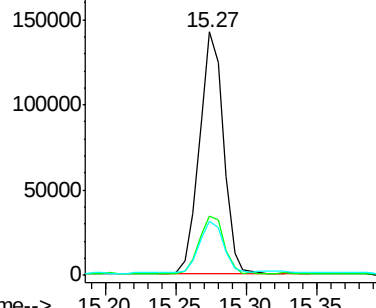
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Instrument :
BNA_F
ClientSampleId :
B9-6-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.2	17.2	25.8

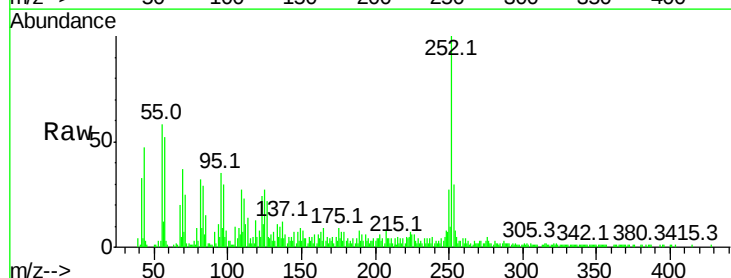


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

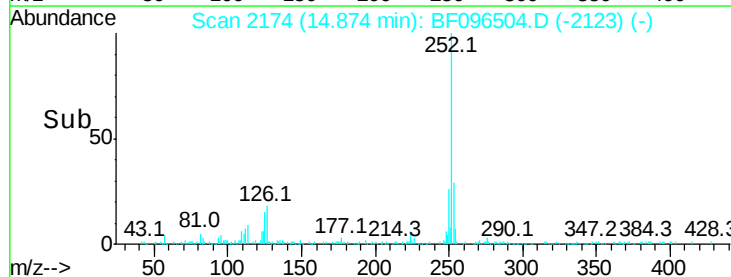
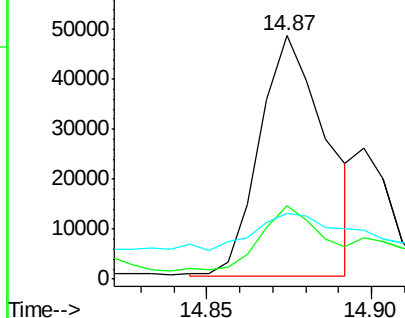


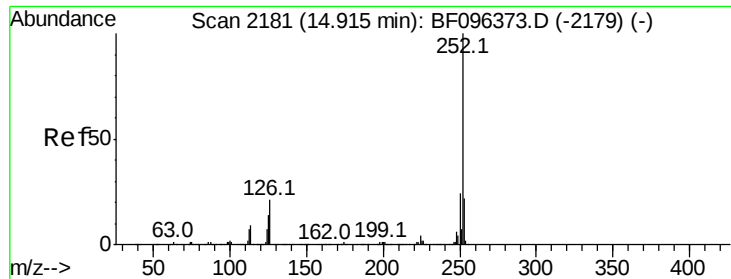
#87
Benzo(b)fluoranthene
Concen: 6.32 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.1	27.1#
125	27.0	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

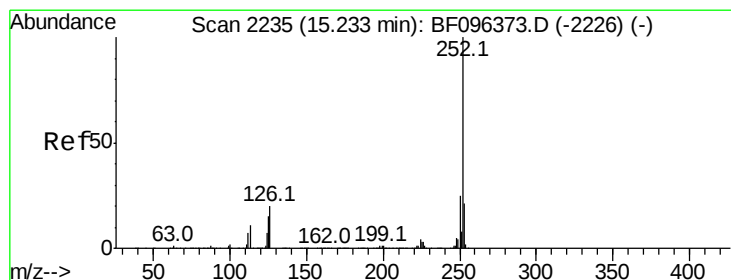
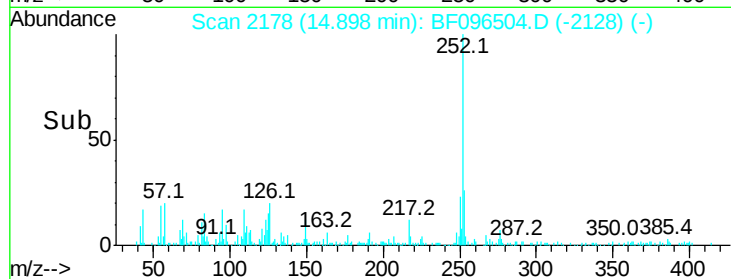
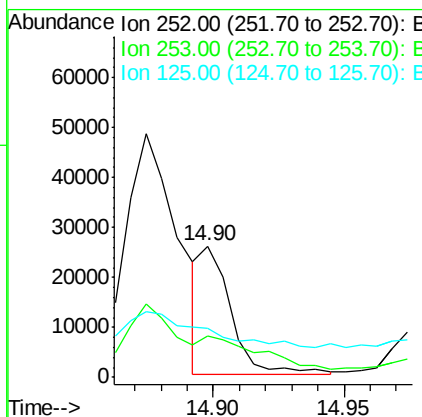
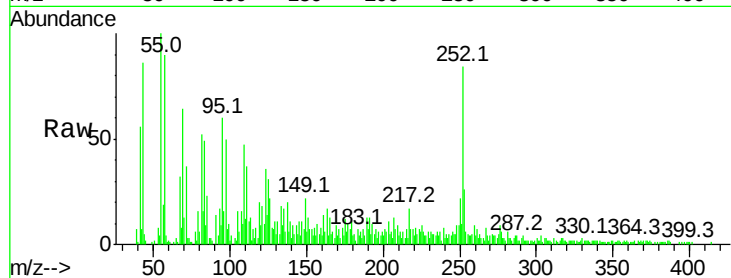




#88
Benzo(k)fluoranthene
Concen: 2.19 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

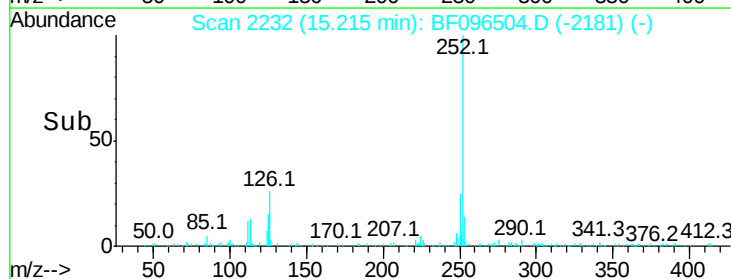
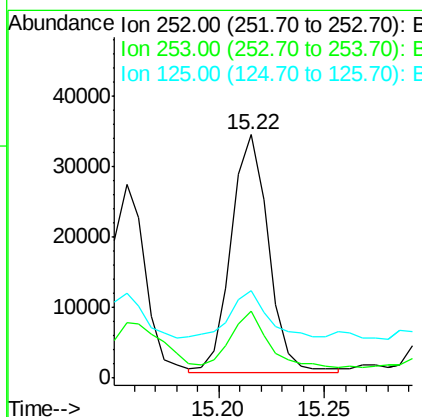
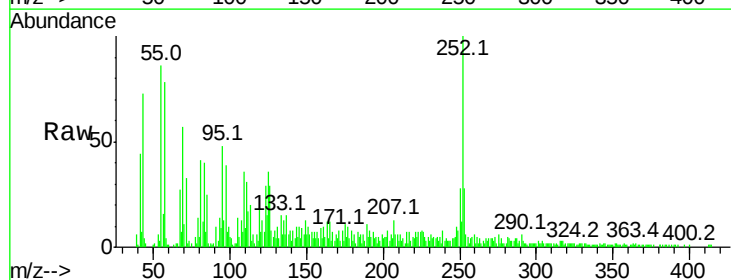
Instrument :
BNA_F
ClientSampled :
B9-6-8

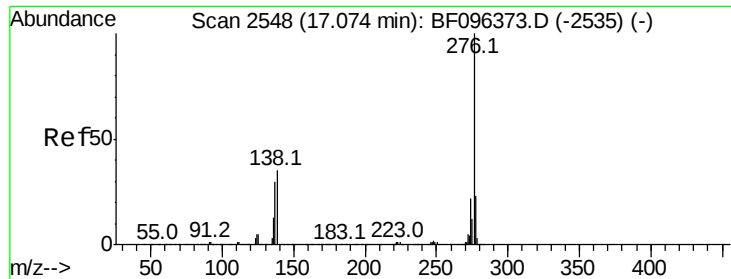
Tot Ion:252 Resp: 20807
Ion Ratio Lower Upper
252 100
253 31.3 18.4 27.6#
125 37.0 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 4.35 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion:252 Resp: 41243
Ion Ratio Lower Upper
252 100
253 27.8 17.5 26.3#
125 36.0 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.46 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :
 B9-6-8

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.6	28.0
138	39.9	25.4	38.0

