

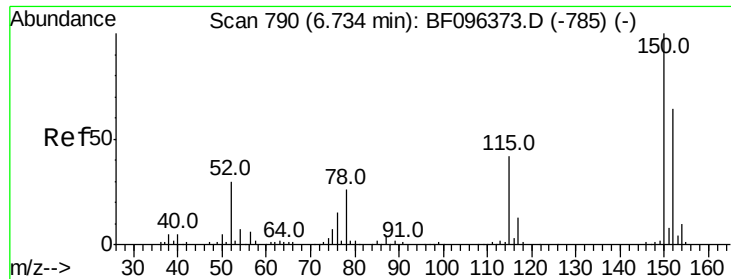
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096513.D
 Acq On : 6 Jul 2017 5:38
 Operator : SJ/MA
 Sample : I3975-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 06:26:34 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	119553	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	475533	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	163721	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	261022	20.00	ng	0.00
75) Chrysene-d12	13.86	240	243610	20.00	ng	0.00
86) Perylene-d12	15.27	264	154197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	764309	94.36	ng	0.00
7) Phenol-d6	6.35	99	886576	89.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	488385	61.71	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	124692	97.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	822266	85.87	ng	0.00
78) Terphenyl-d14	12.82	244	615509	53.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	64998	10.96	ng	# 87
25) Isophorone	7.27	82	486126	31.68	ng	# 67
49) Dimethylphthalate	9.47	163	300869	24.62	ng	98
56) 2,4-Dinitrotoluene	9.75	165	21920	6.40	ng	# 32
66) 4-Bromophenyl-phenylether	10.53	248	8178	3.22	ng	# 1
70) Phenanthrene	11.25	178	57204	4.05	ng	98
74) Fluoranthene	12.43	202	75038	5.42	ng	97
77) Pyrene	12.66	202	75890	3.88	ng	98
80) Benzo(a)anthracene	13.89	228	31287	2.22	ng	96
82) Chrysene	13.85	228	35507	2.40	ng	95
87) Benzo(b)fluoranthene	14.87	252	35024	3.62	ng	# 82
88) Benzo(k)fluoranthene	14.87	252	34922	4.04	ng	# 86
89) Benzo(a)pyrene	15.21	252	17711	2.05	ng	# 80

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

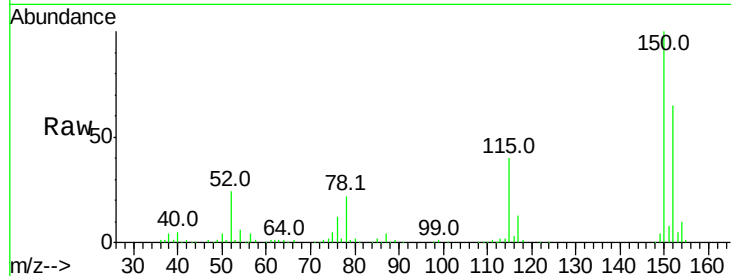


#1

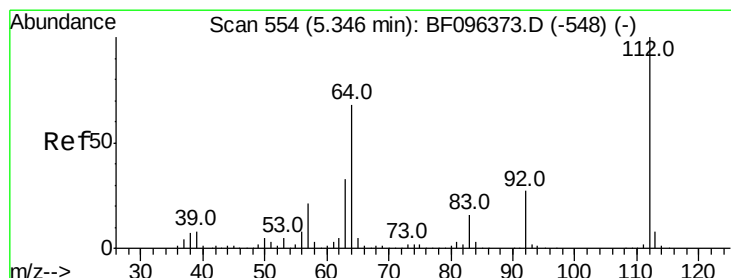
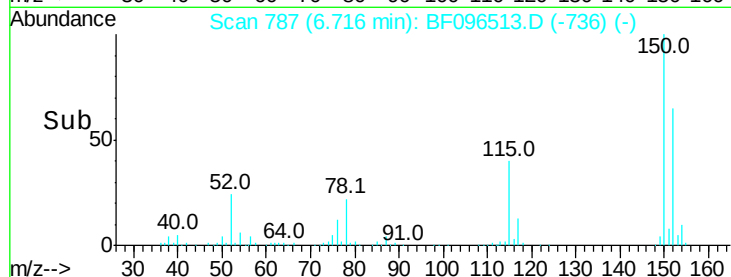
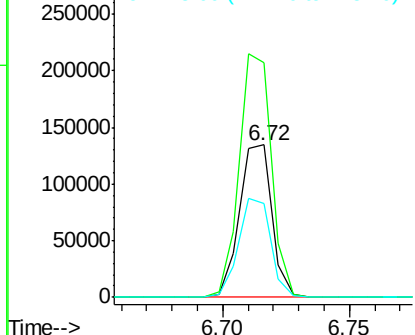
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119553
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 62.0 52.2 78.2



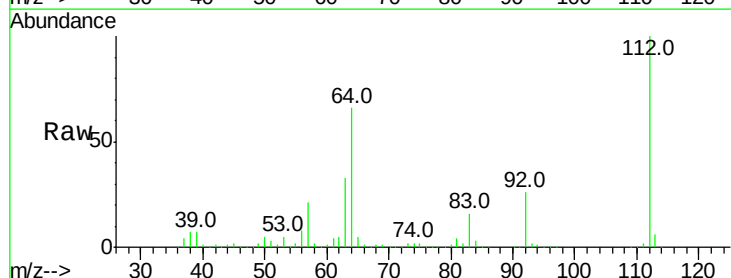
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



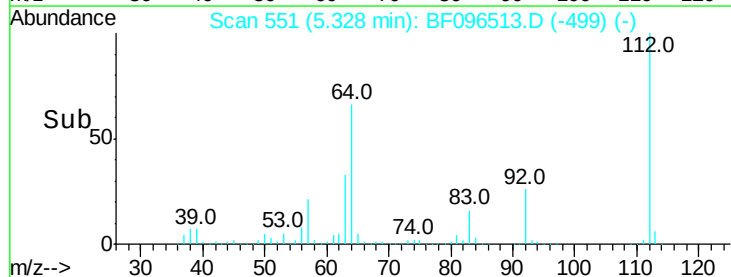
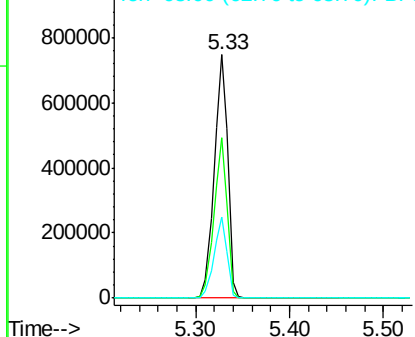
#5

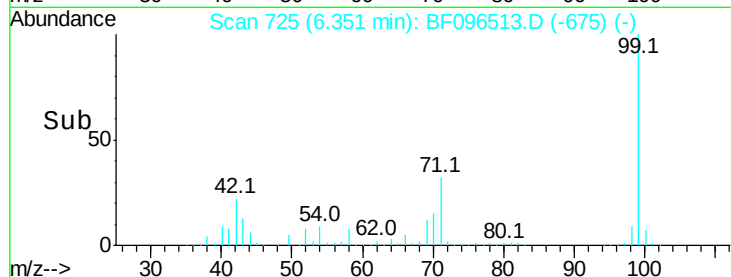
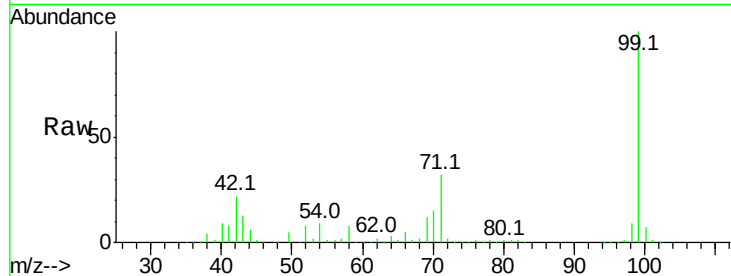
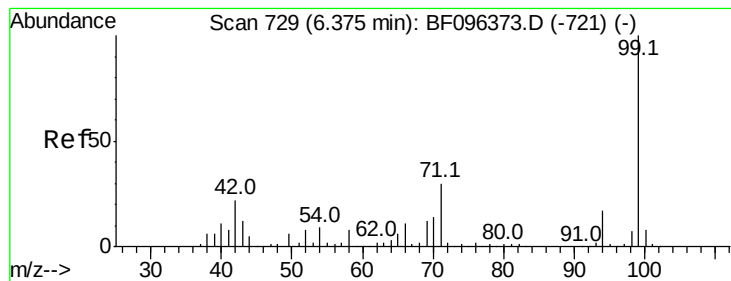
2-Fluorophenol
Concen: 94.36 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:112 Resp: 764309
Ion Ratio Lower Upper
112 100
64 65.7 46.0 69.0
63 33.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.03 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

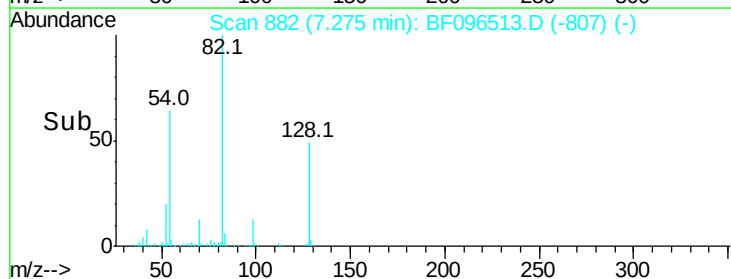
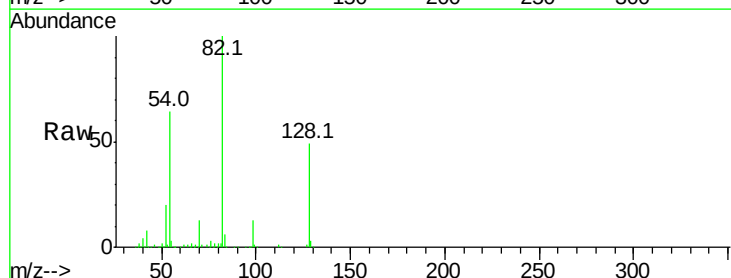
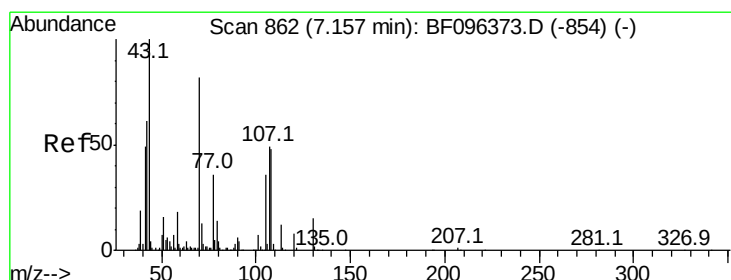
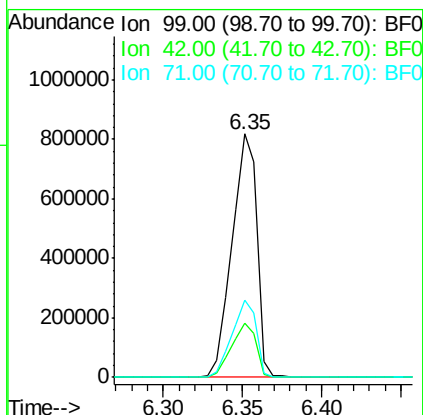
Tot Ion: 99 Resp: 886576

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

71 32.0 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.96 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Tgt Ion: 70 Resp: 64998

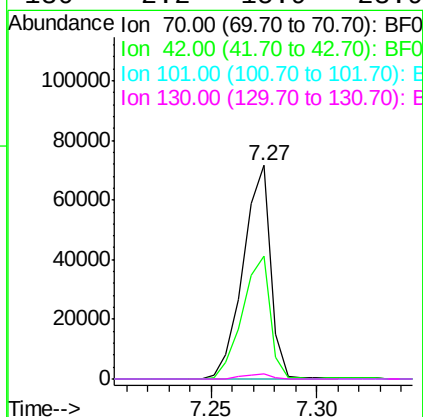
Ion Ratio Lower Upper

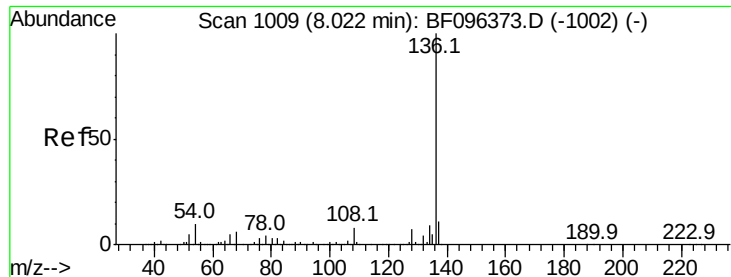
70 100

42 57.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

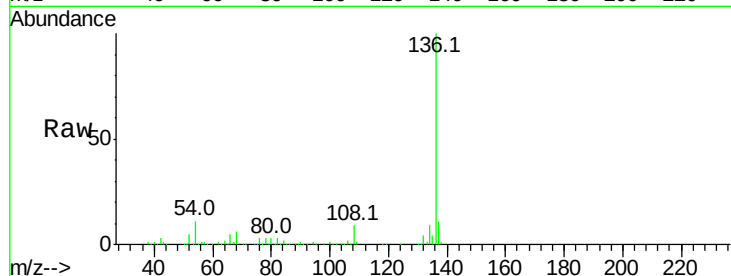




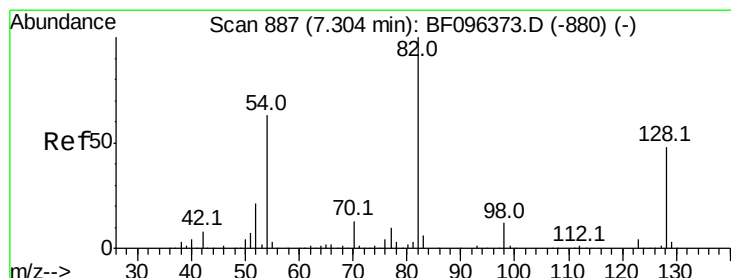
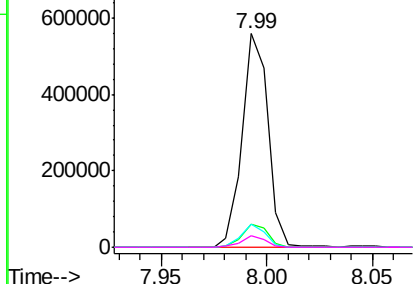
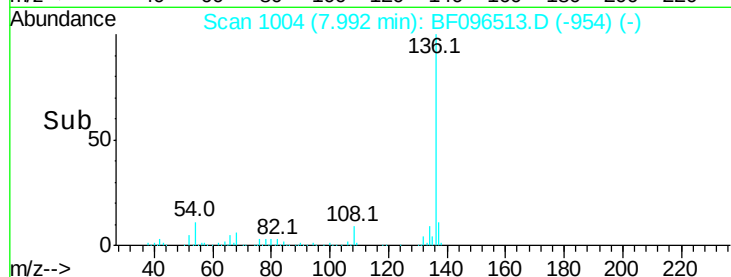
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	475533
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.8	4.9	7.3#
68	5.6	4.1	6.1

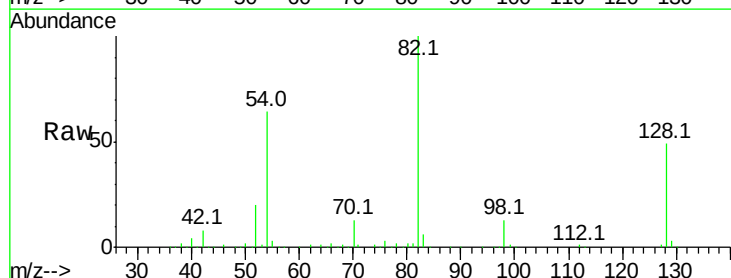


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

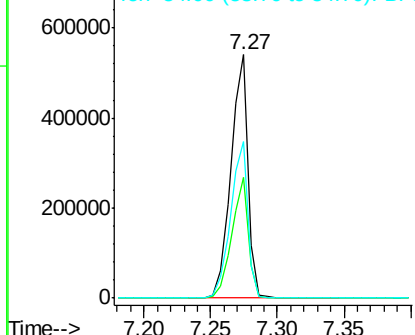
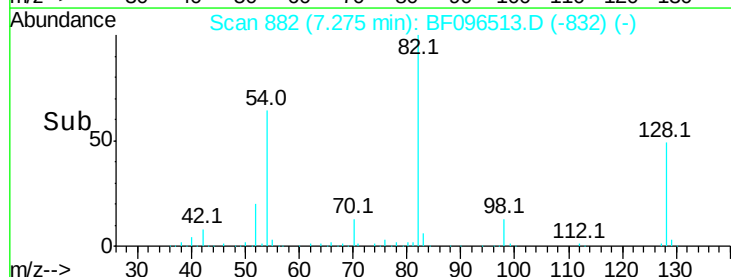


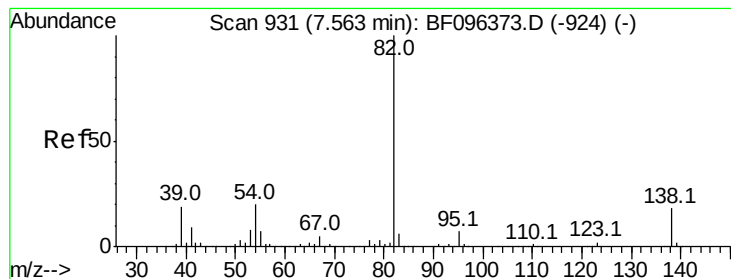
#23
Nitrobenzene-d5
Concen: 61.71 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:	82	Resp:	488385
Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	64.1	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





#25

Isophorone

Concen: 31.68 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

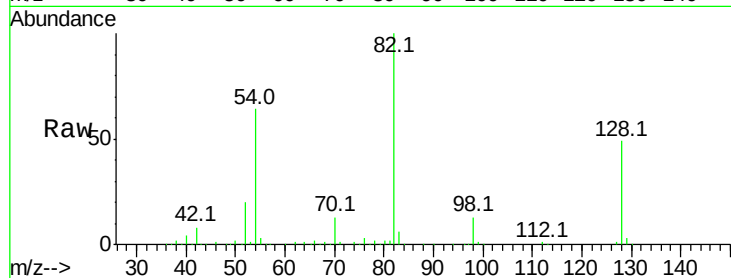
Tot Ion: 82 Resp: 486126

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

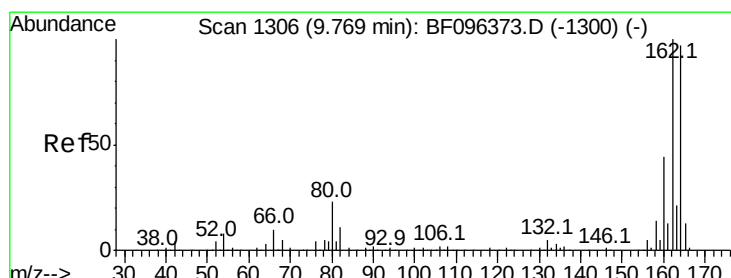
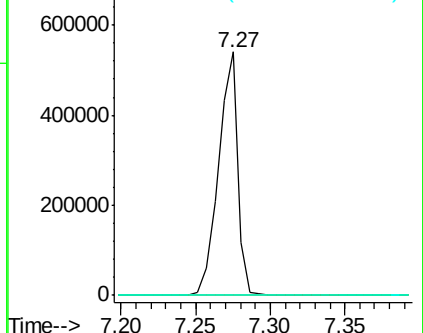
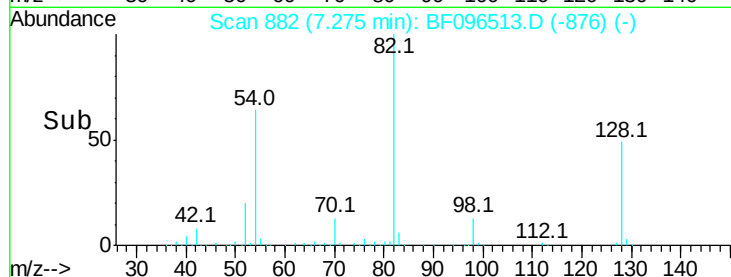
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

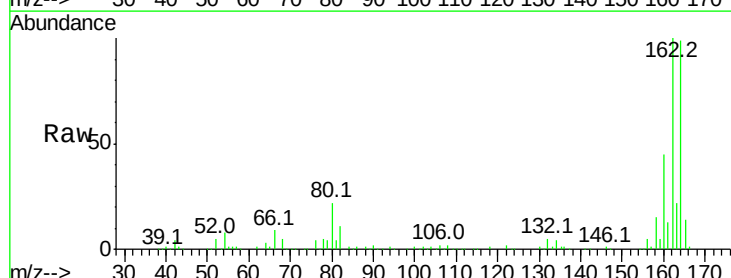
Tgt Ion:164 Resp: 163721

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

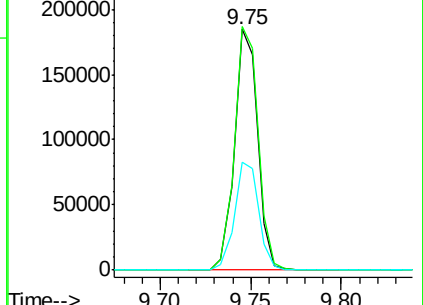
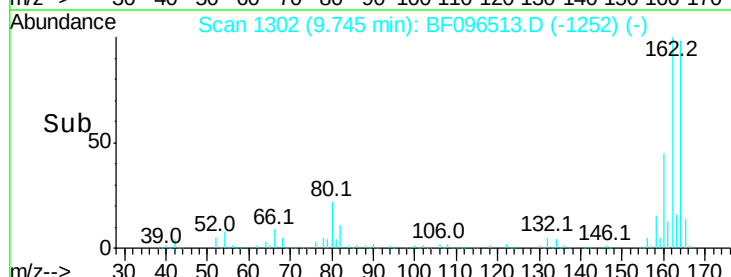
160 45.1 36.2 54.2

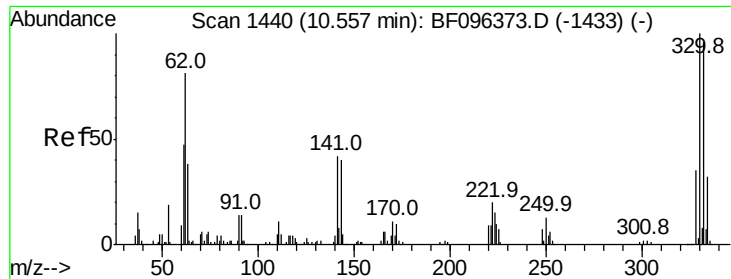


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

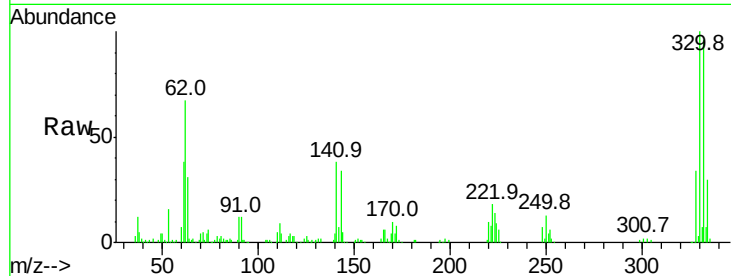




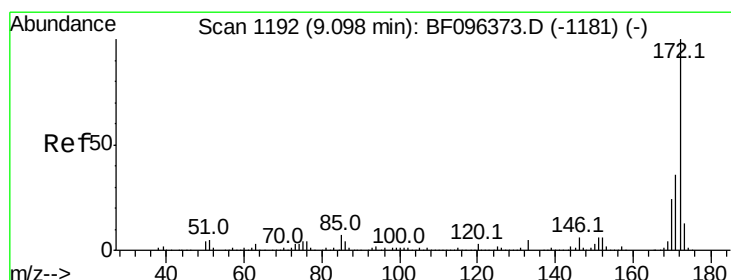
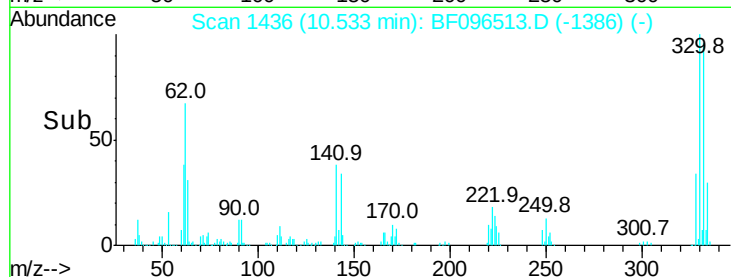
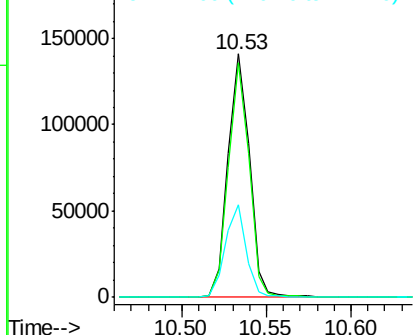
#41
 2,4,6-Tribromophenol
 Concen: 97.50 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.6	115.0
141	37.4	31.4	47.2

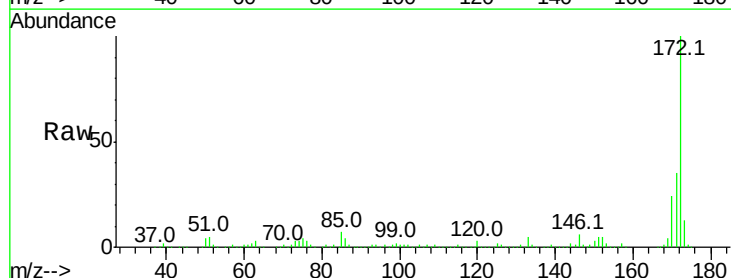


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

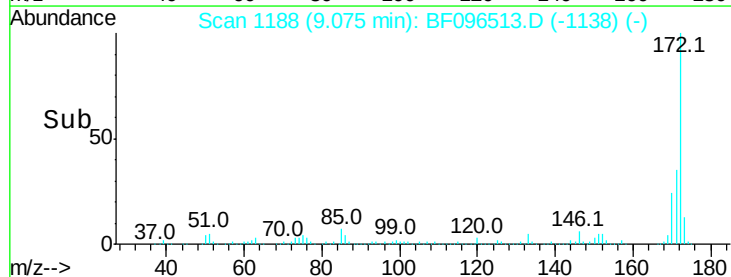
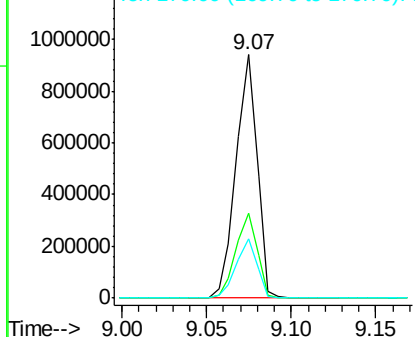


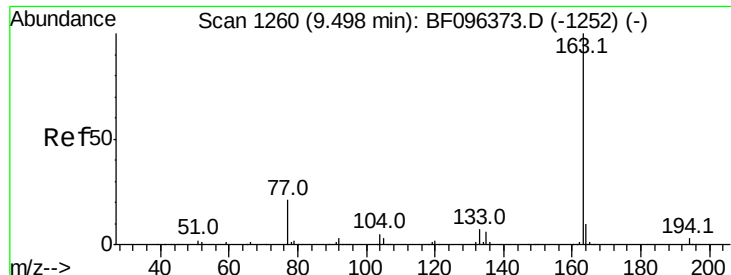
#44
 2-Fluorobiphenyl
 Concen: 85.87 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.2	19.8	29.8



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

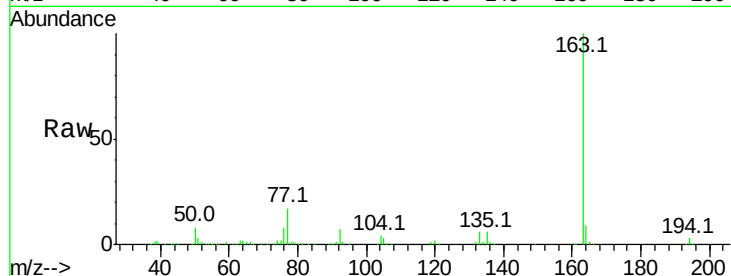




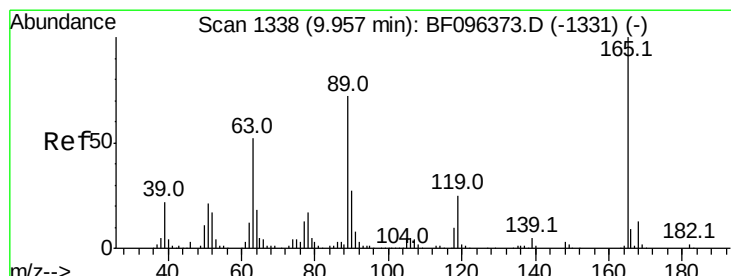
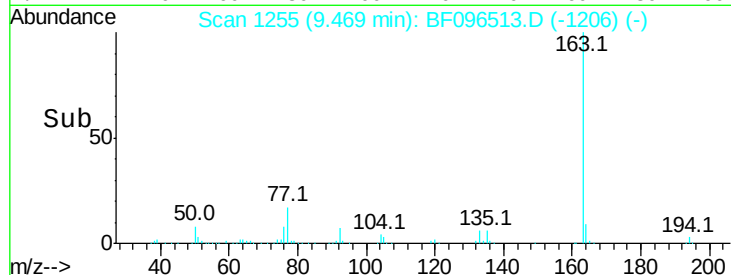
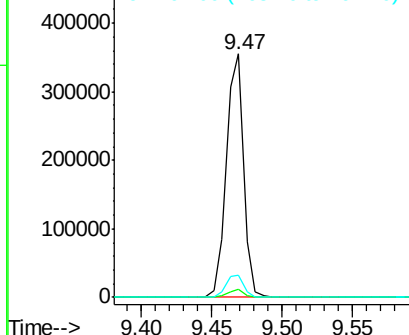
#49
Dimethylphthalate
Concen: 24.62 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.3	8.4	12.6



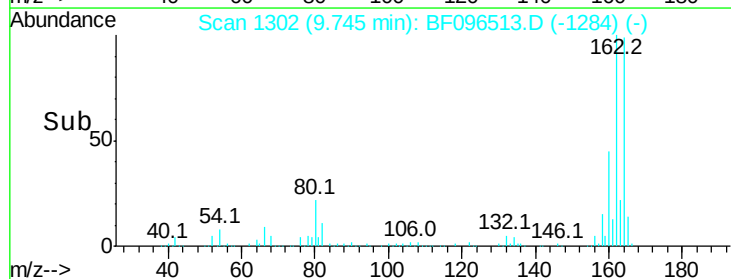
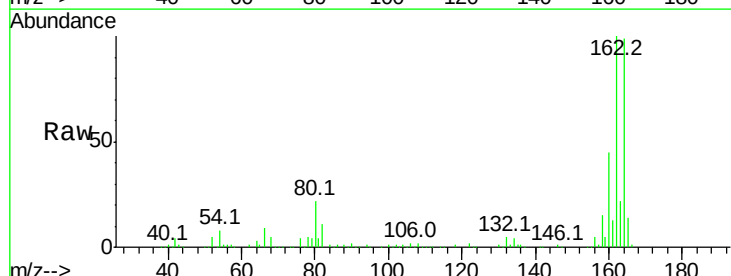
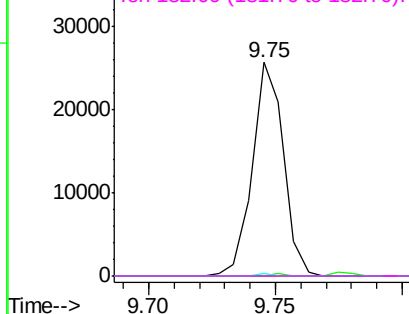
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

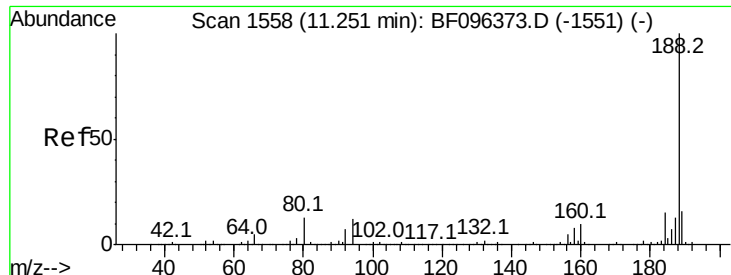


#56
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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

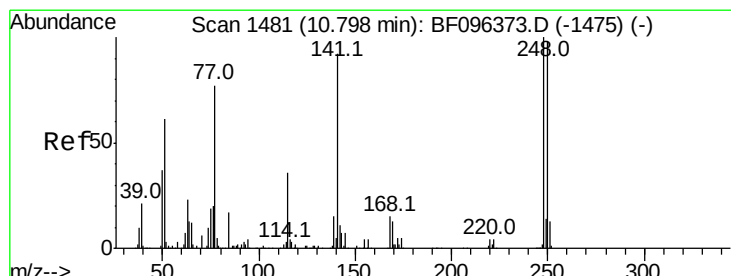
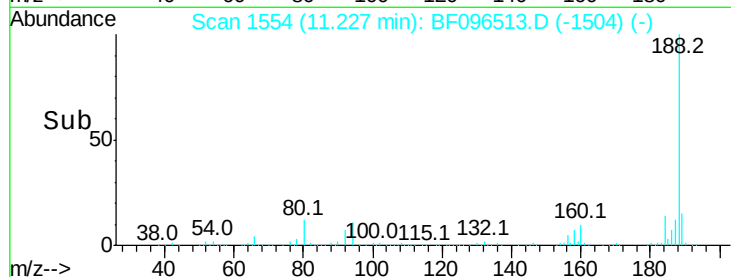
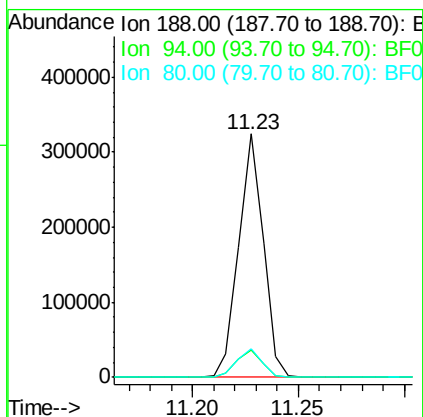
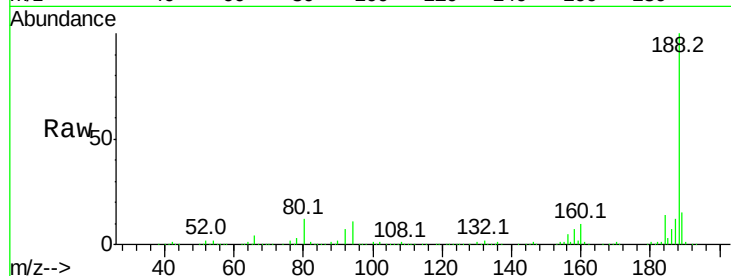




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

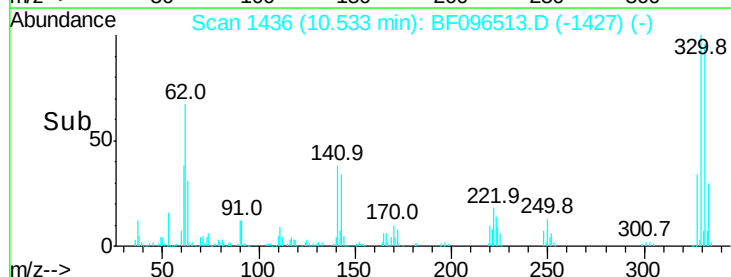
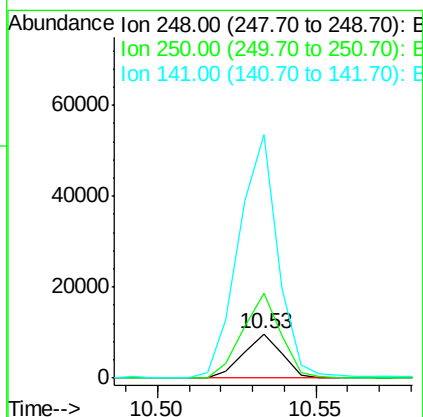
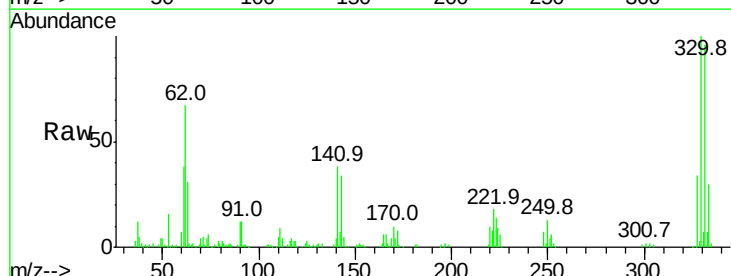
Instrument :
BNA_F
ClientSampleId :

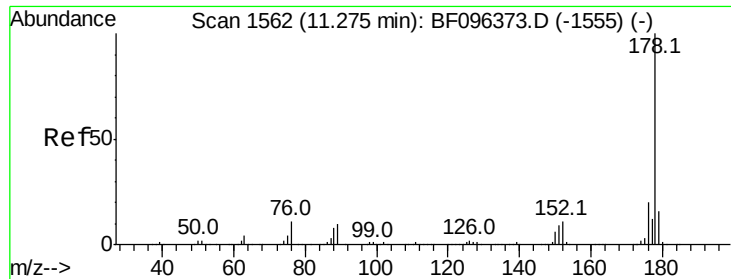
Tot Ion:188 Resp: 261022
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.8 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:248 Resp: 8178
Ion Ratio Lower Upper
248 100
250 192.3 76.8 115.2#
141 550.4 68.6 103.0#





#70

Phenanthrene

Concen: 4.05 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

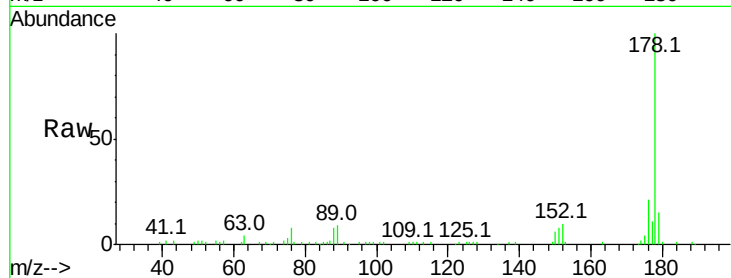
Tot Ion:178 Resp: 57204

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

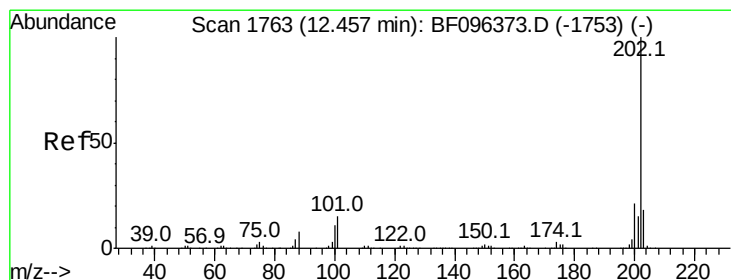
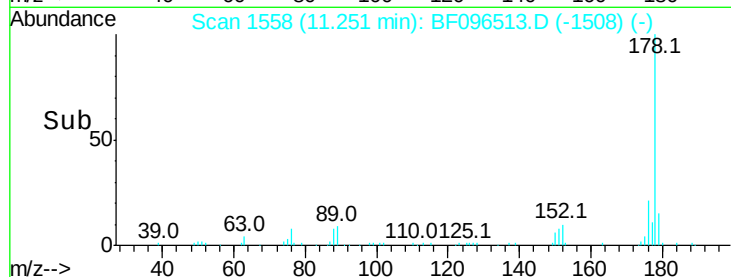
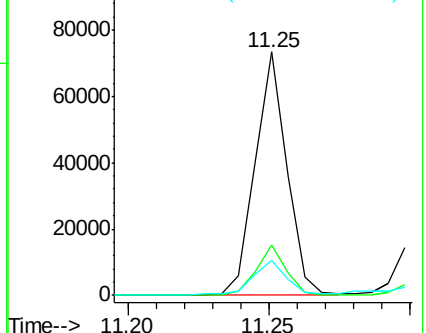
179 14.5 12.6 19.0



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



#74

Fluoranthene

Concen: 5.42 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

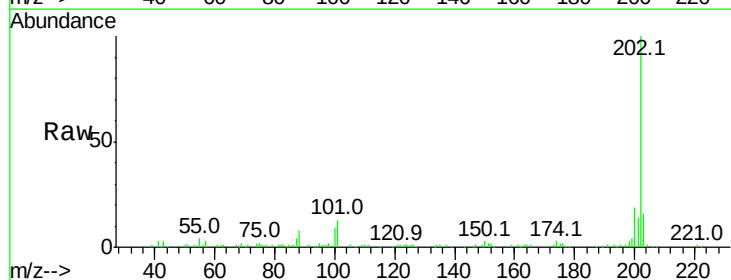
Tgt Ion:202 Resp: 75038

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

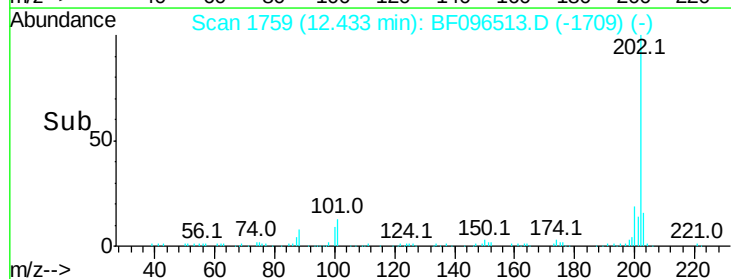
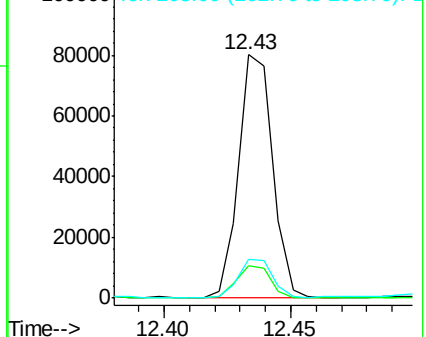
203 15.9 0.0 38.1

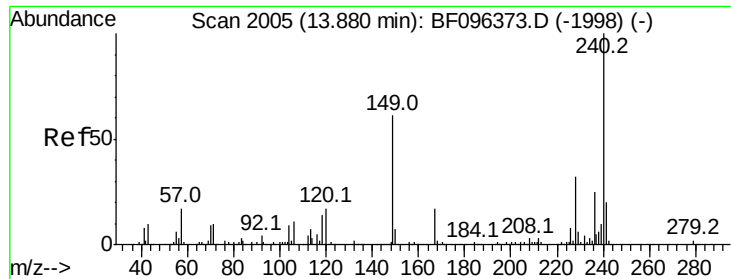


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

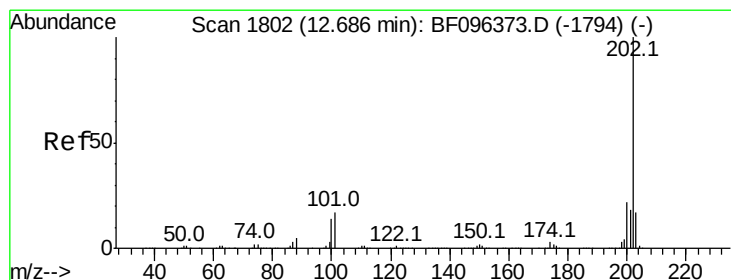
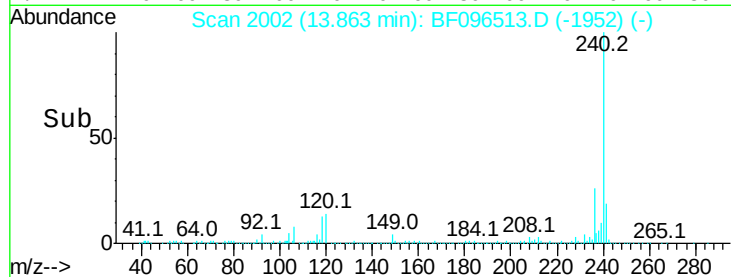
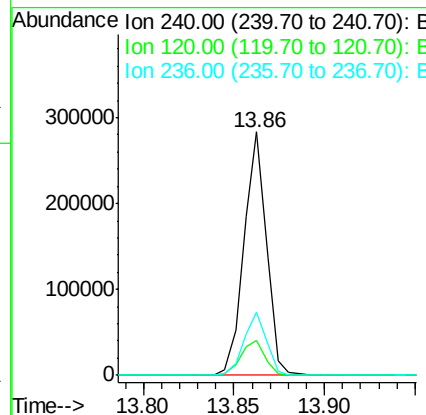
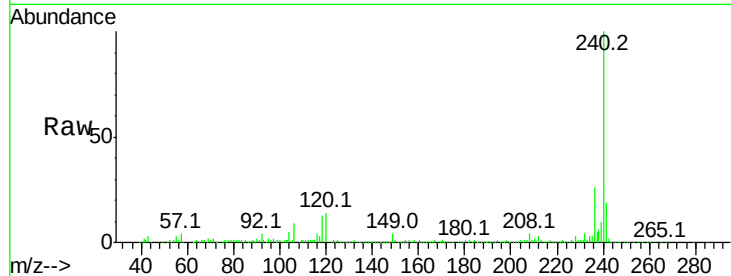




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

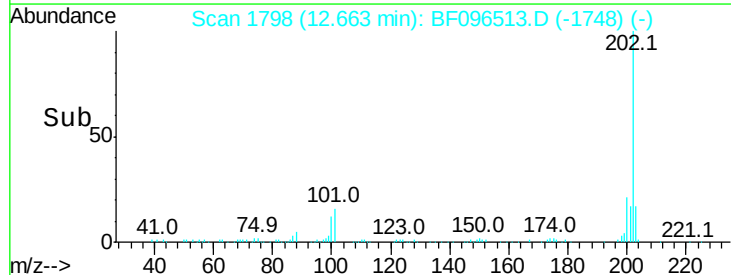
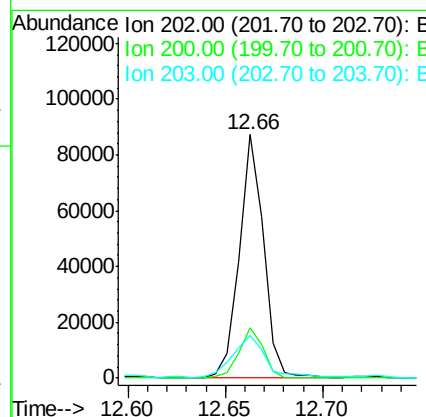
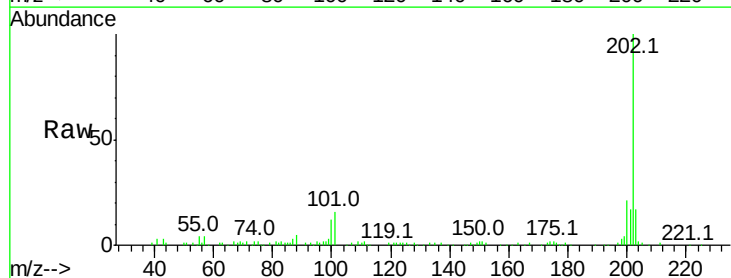
Instrument :
 BNA_F
 ClientSampleId :

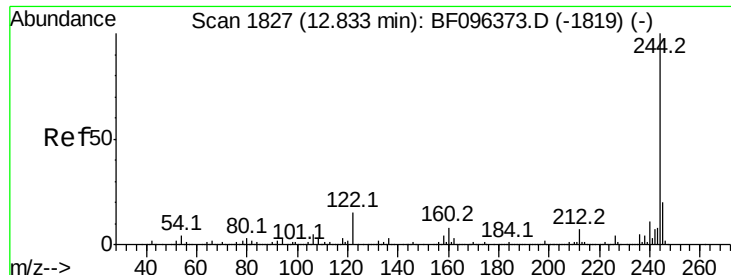
Tot Ion:240 Resp: 243610
 Ion Ratio Lower Upper
 240 100
 120 14.2 5.8 8.8#
 236 25.7 20.5 30.7



#77
 Pyrene
 Concen: 3.88 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Tgt Ion:202 Resp: 75890
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.6 26.4
 203 17.3 14.4 21.6

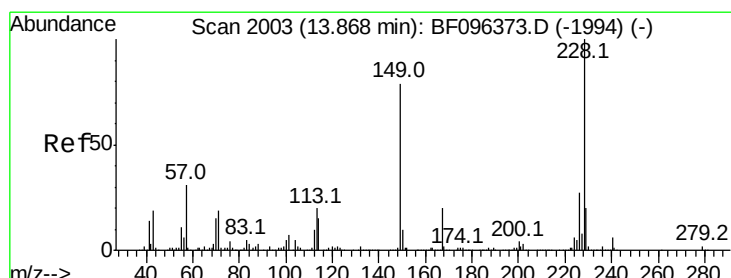
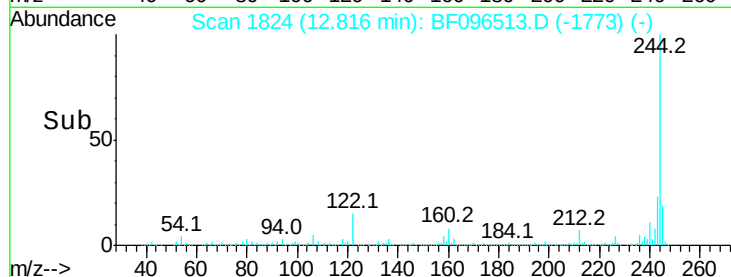
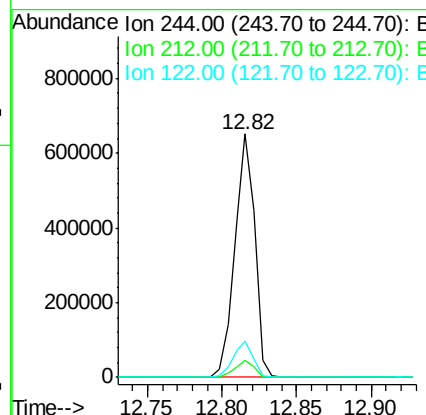
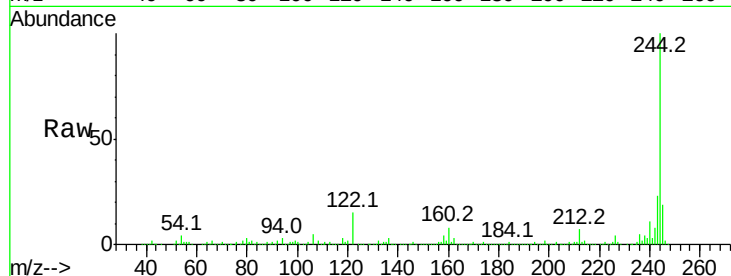




#78
 Terphenyl-d14
 Concen: 53.99 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

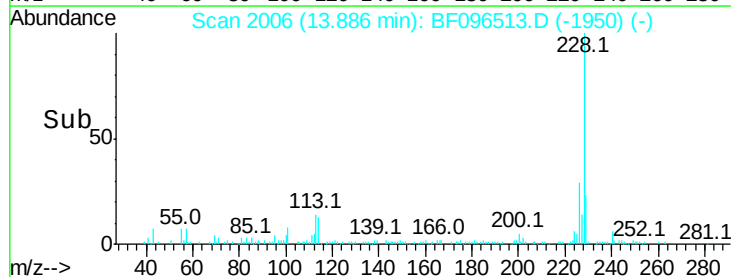
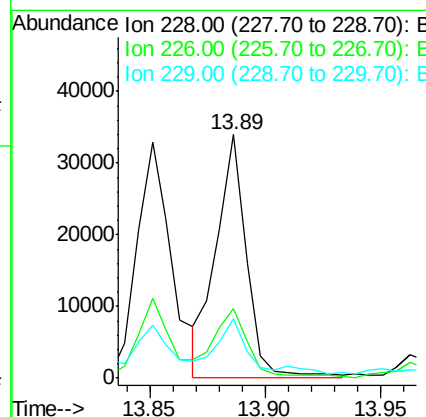
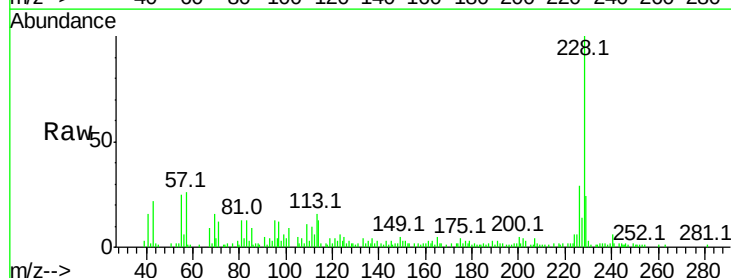
Instrument :
 BNA_F
 ClientSampleId :

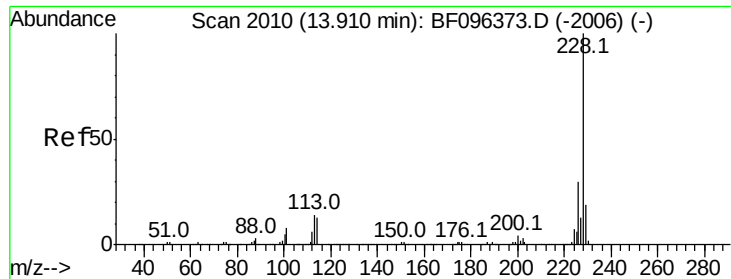
Tot Ion:244 Resp: 615509
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.22 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.03 min
 Lab File: BF096513.D
 Acq: 6 Jul 2017 5:38

Tgt Ion:228 Resp: 31287
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 24.4 16.3 24.5





#82

Chrysene

Concen: 2.40 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

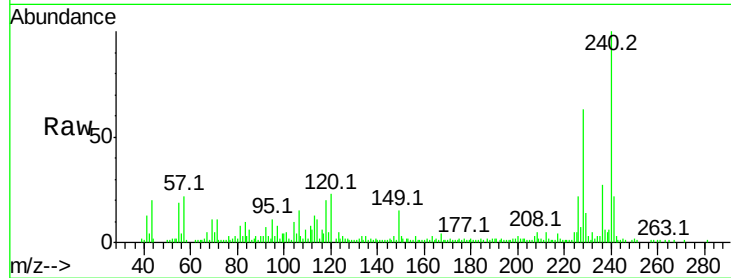
Tot Ion:228 Resp: 35507

Ion Ratio Lower Upper

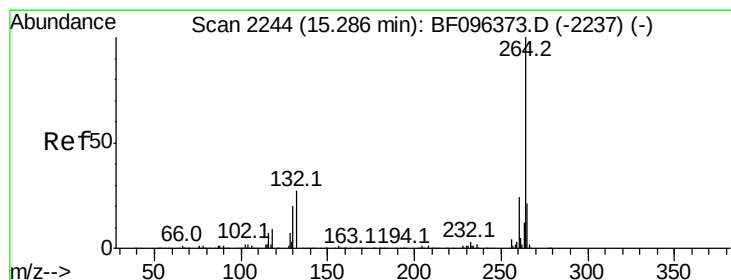
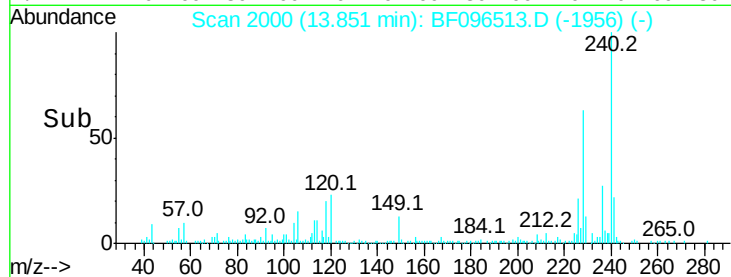
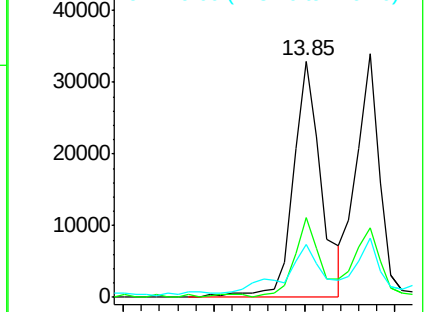
228 100

226 34.0 24.9 37.3

229 22.1 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

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

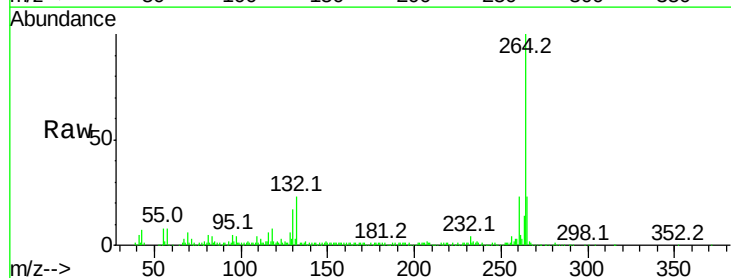
Tgt Ion:264 Resp: 154197

Ion Ratio Lower Upper

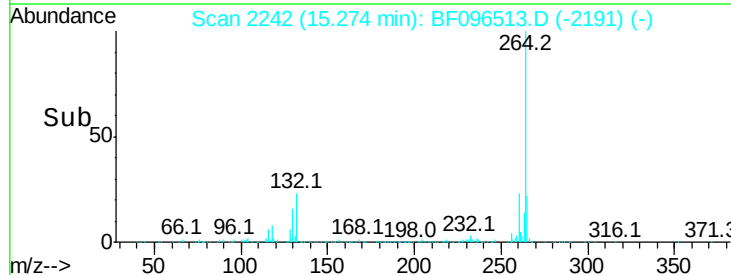
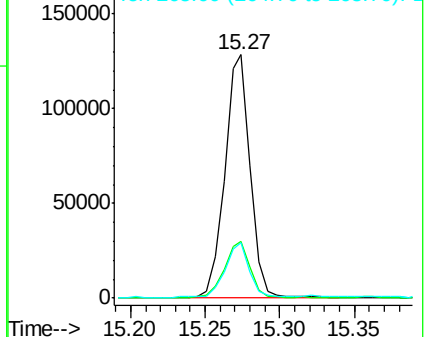
264 100

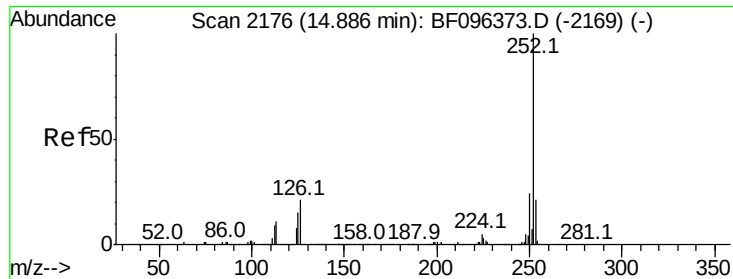
260 23.2 19.5 29.3

265 22.6 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

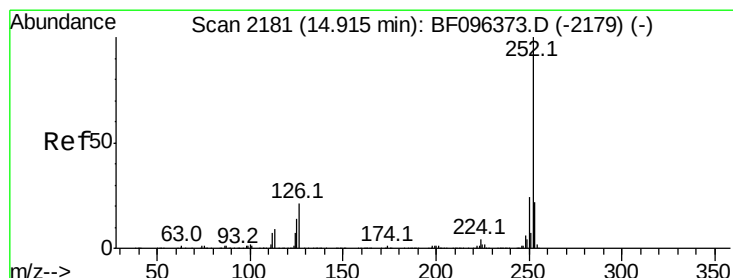
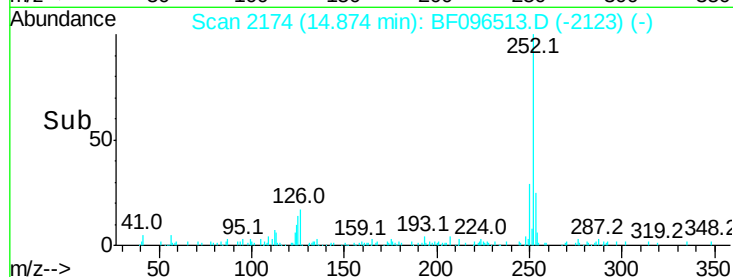
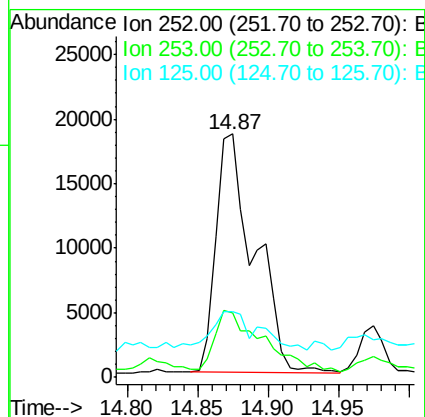
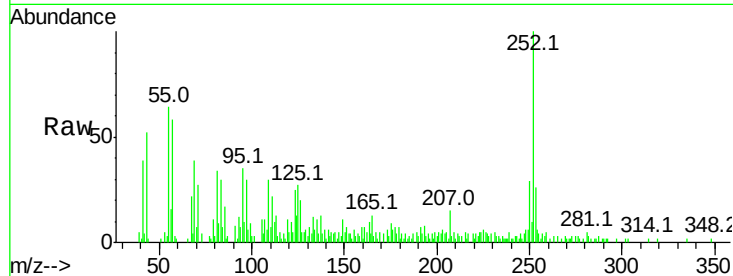




#87
Benzo(b)fluoranthene
Concen: 3.62 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

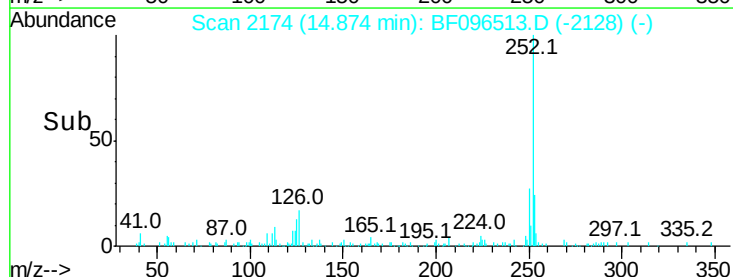
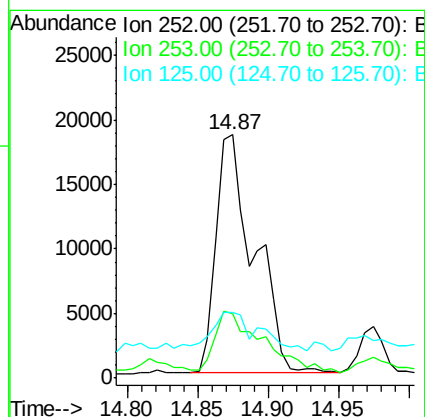
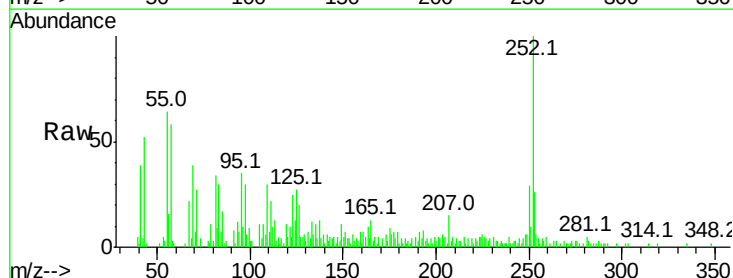
Instrument :
BNA_F
ClientSampleId :

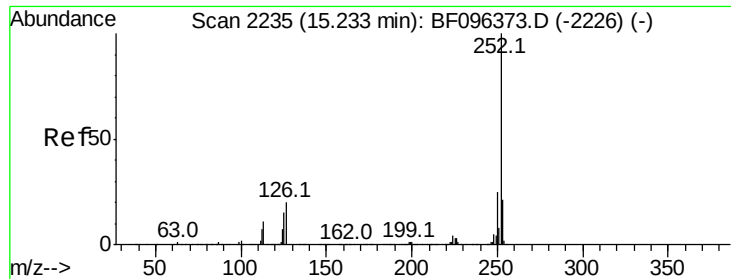
Tot Ion:252 Resp: 35024
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 26.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 4.04 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096513.D
Acq: 6 Jul 2017 5:38

Tgt Ion:252 Resp: 34922
Ion Ratio Lower Upper
252 100
253 26.2 18.4 27.6
125 26.8 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.05 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF096513.D

Acq: 6 Jul 2017 5:38

Instrument :

BNA_F

ClientSampleId :

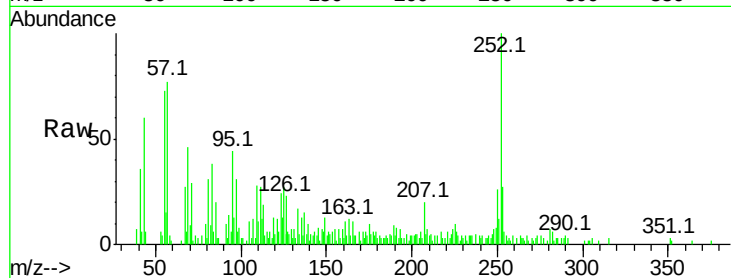
Tot Ion:252 Resp: 17711

Ion Ratio Lower Upper

252 100

253 27.2 17.5 26.3#

125 27.1 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

