

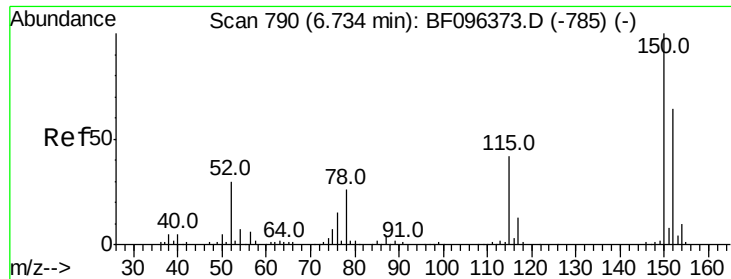
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096504.D
 Acq On : 6 Jul 2017 1:29
 Operator : SJ/MA
 Sample : I3976-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:42:09 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						
19) n-Nitroso-di-n-propylamine	7.27	70	65111	10.92	ng	Qvalue # 89
25) Isophorone	7.27	82	493367	29.44	ng	# 67
49) Dimethylphthalate	9.46	163	163826	11.05	ng	99
56) 2,4-Dinitrotoluene	9.75	165	26374	6.35	ng	# 34
66) 4-Bromophenyl-phenylether	10.53	248	7668	2.64	ng	# 1
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	13.85	228	91791	6.82	ng	96
87) Benzo(b)fluoranthene	14.87	252	85813	8.08	ng	# 76
88) Benzo(k)fluoranthene	14.87	252	85813	9.03	ng	# 81
89) Benzo(a)pyrene	15.22	252	41243	4.35	ng	# 71
91) Benzo(a,h,i)perylene	17.05	276	19031	2.46	ng	# 88

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

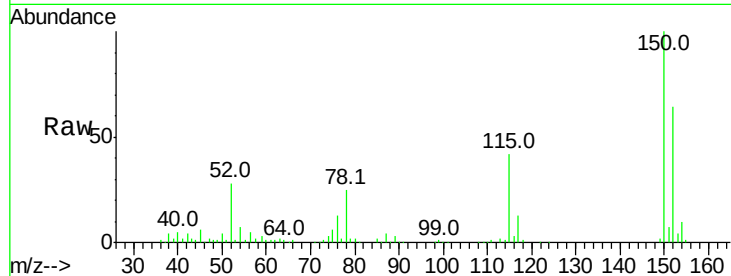


#1

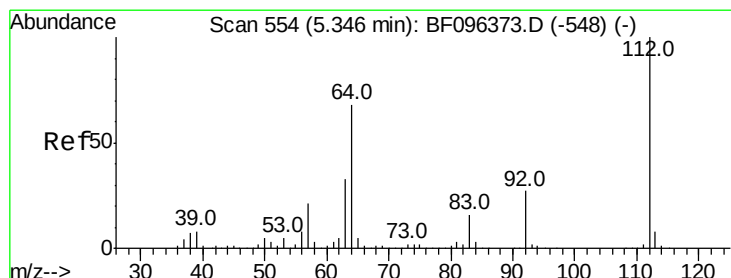
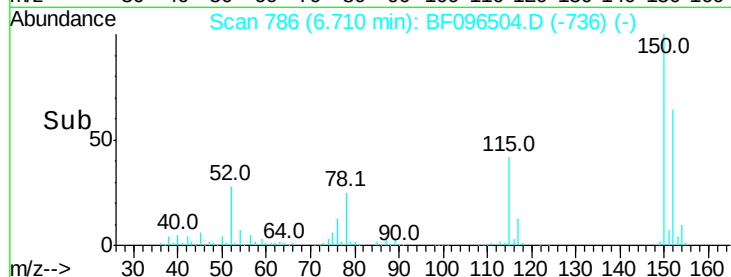
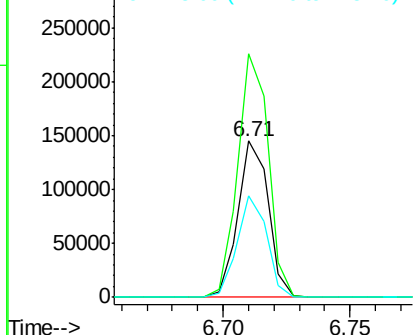
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	65.1	52.2	78.2



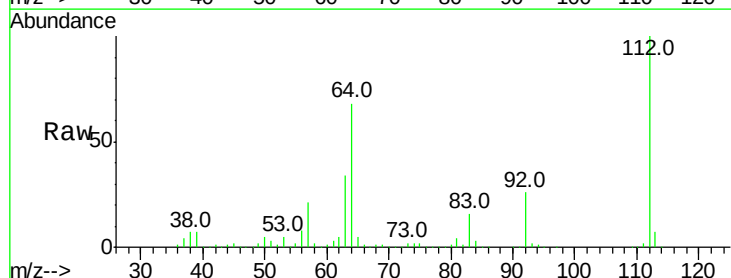
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



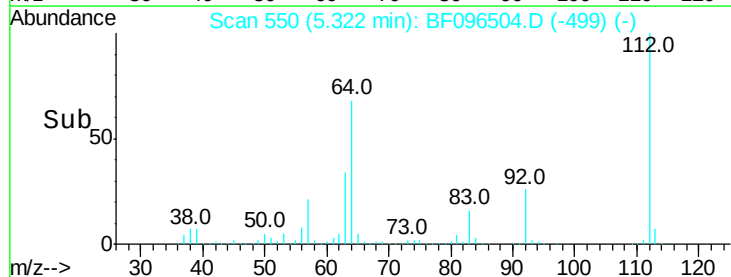
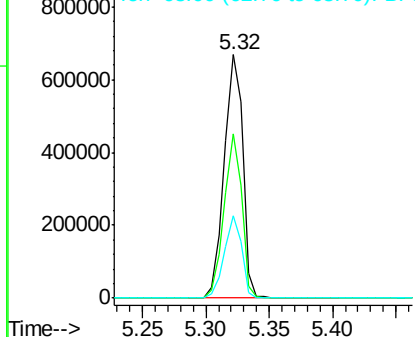
#5

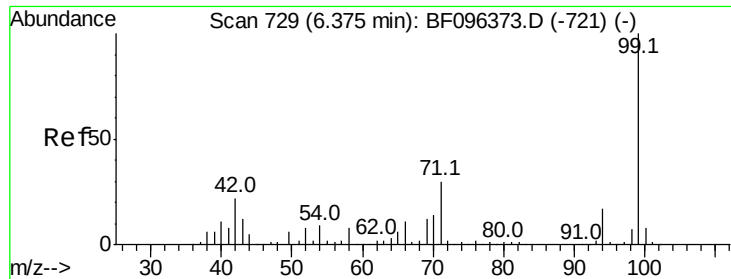
2-Fluorophenol
 Concen: 83.71 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Tgt Ion	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 :

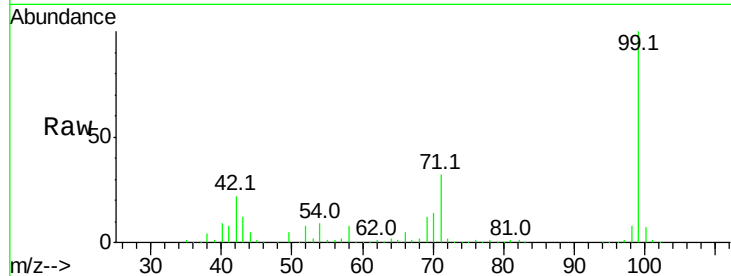
Tot Ion: 99 Resp: 866615

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

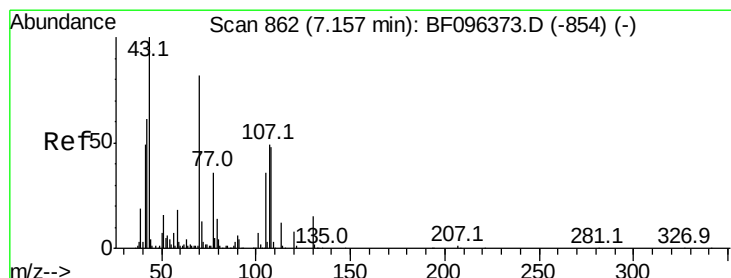
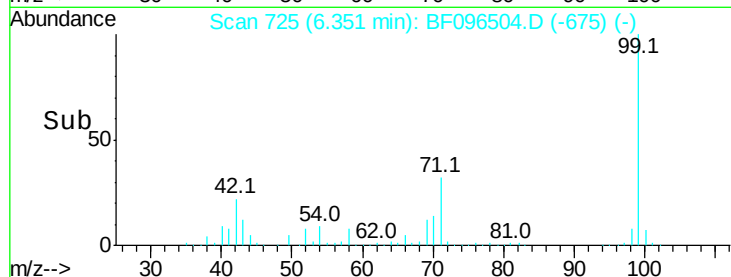
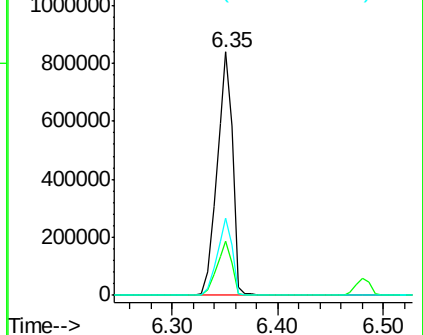
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.92 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Tgt Ion: 70 Resp: 65111

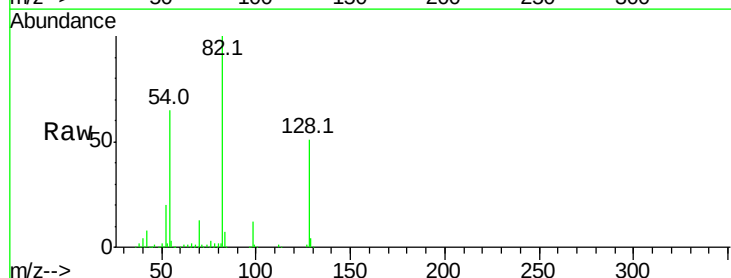
Ion Ratio Lower Upper

70 100

42 58.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

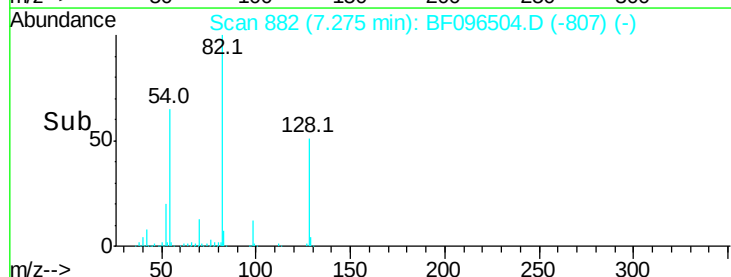
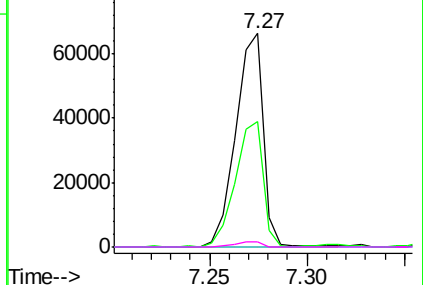


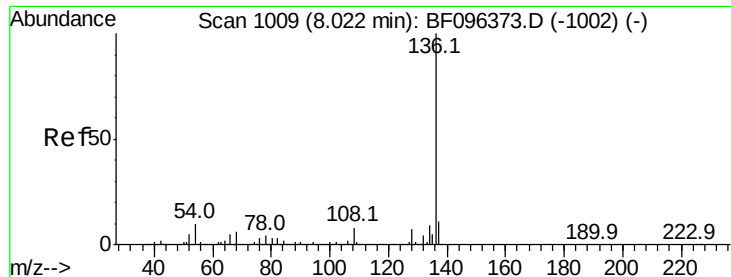
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

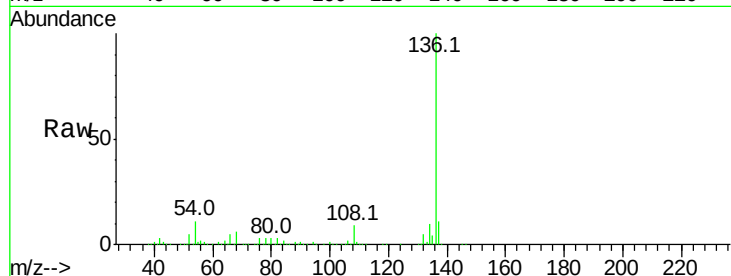




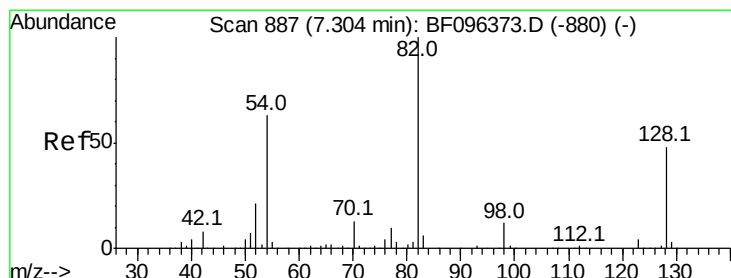
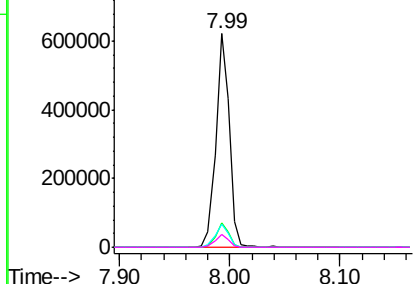
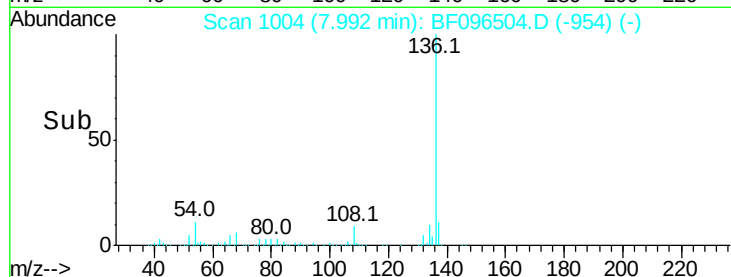
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Instrument :
BNA_F
ClientSampleId :

Tot 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

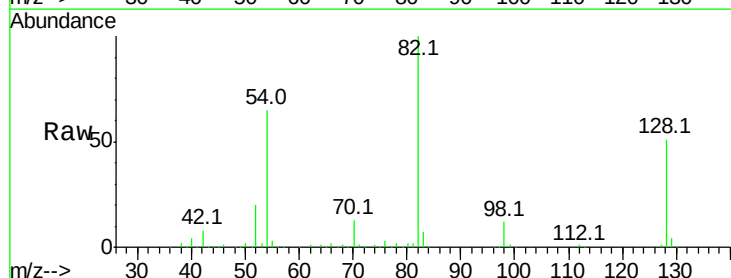


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

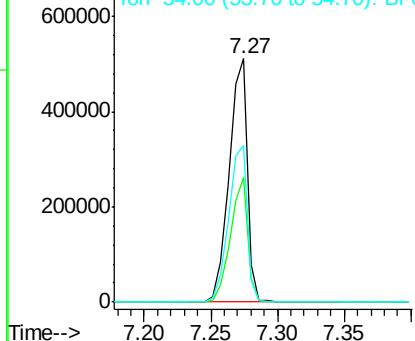
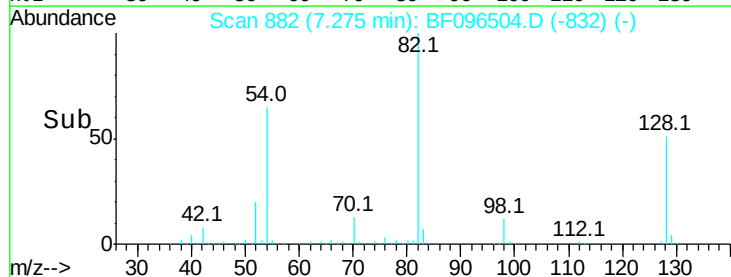


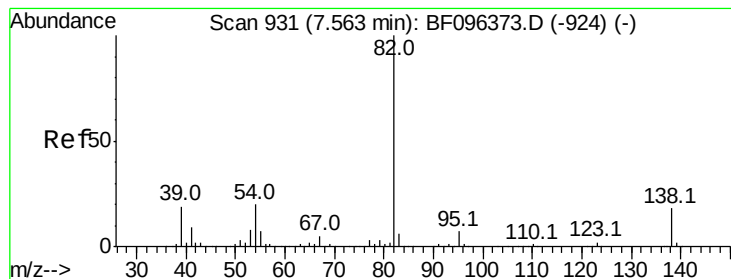
#23
Nitrobenzene-d5
Concen: 57.33 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion: 82	Resp:	495598
Ion Ratio	Lower	Upper
82	100	
128	50.9	34.0 51.0
54	64.5	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: 29.44 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

Instrument :

BNA_F

ClientSampleId :

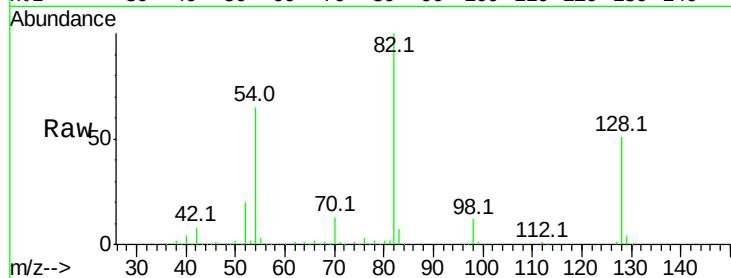
Tot Ion: 82 Resp: 493367

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

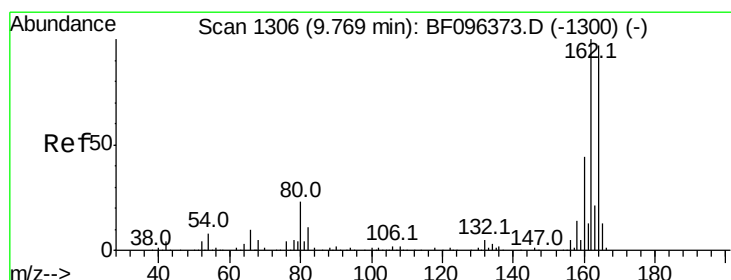
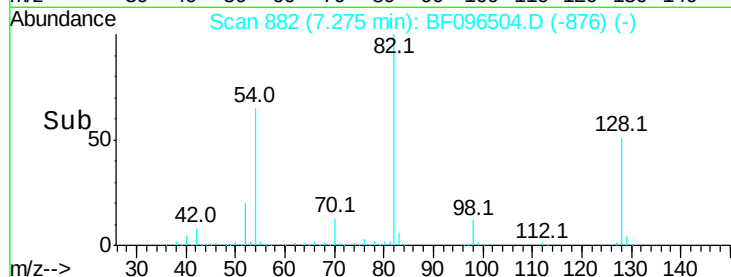
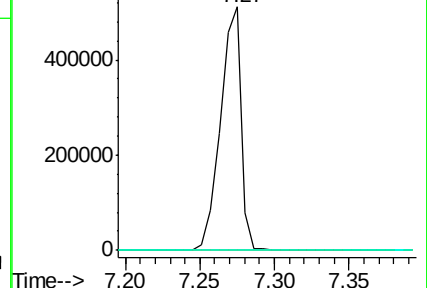
138 0.0 13.1 19.7#



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: BF096504.D

Acq: 6 Jul 2017 1:29

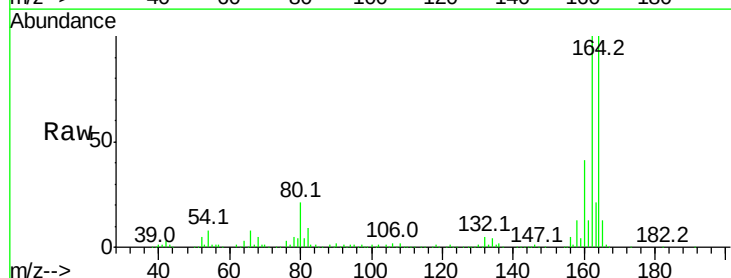
Tgt Ion:164 Resp: 198546

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

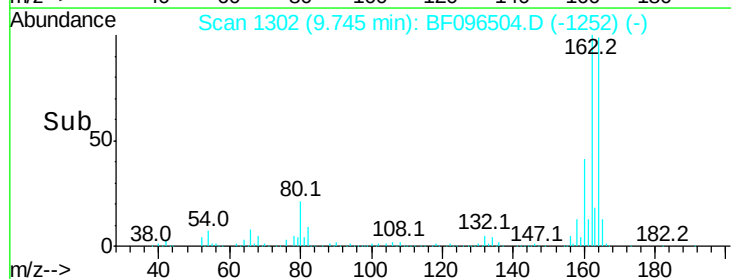
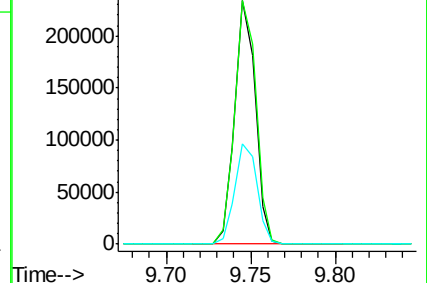
160 41.5 36.2 54.2

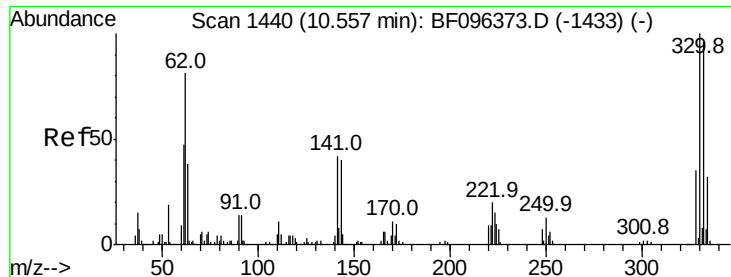


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

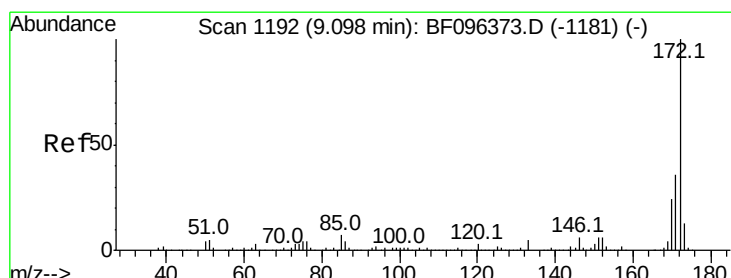
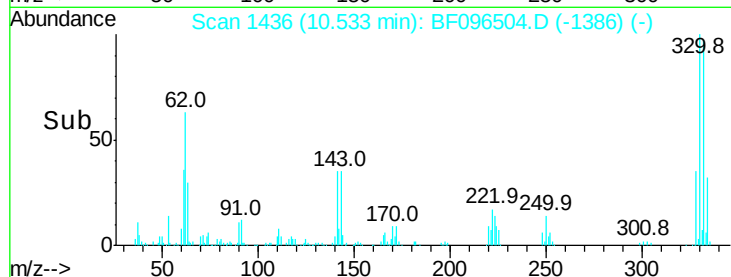
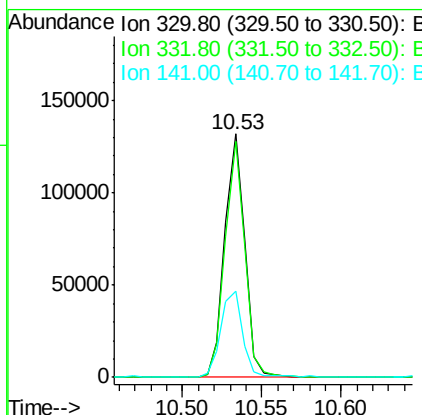
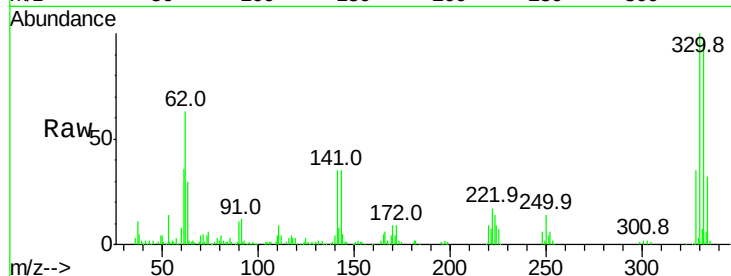




#41
 2,4,6-Tribromophenol
 Concen: 74.97 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

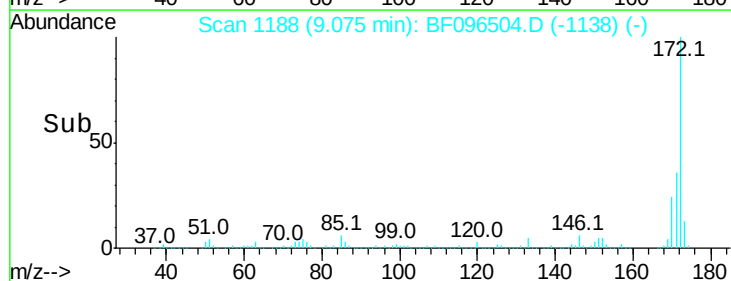
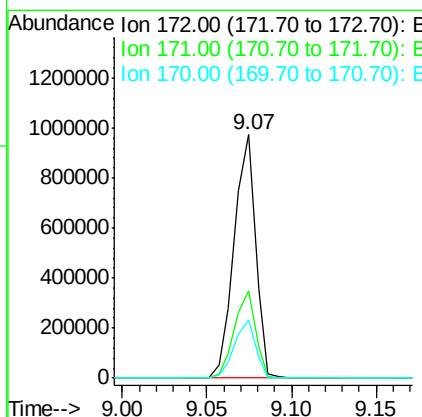
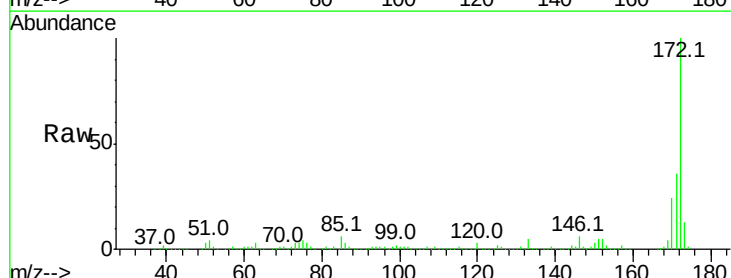
Instrument :
 BNA_F
 ClientSampleId :

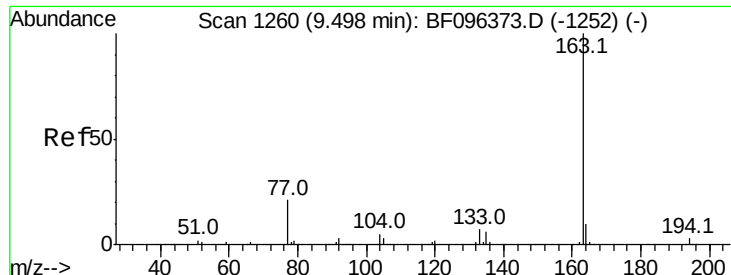
Tot Ion:330 Resp: 116268
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.5 31.4 47.2



#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

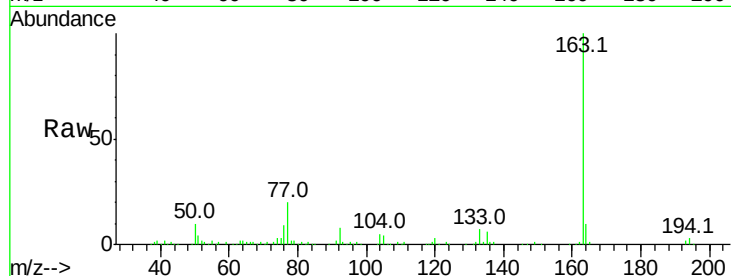




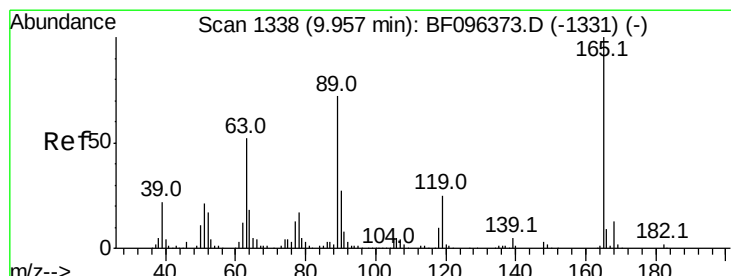
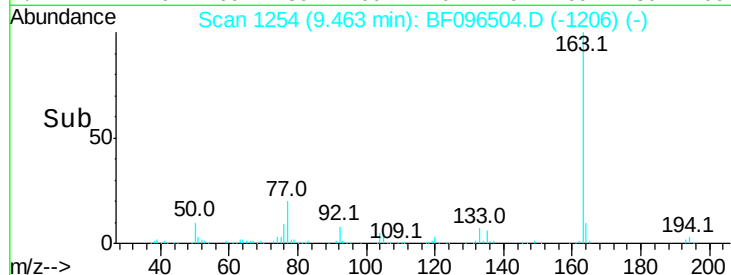
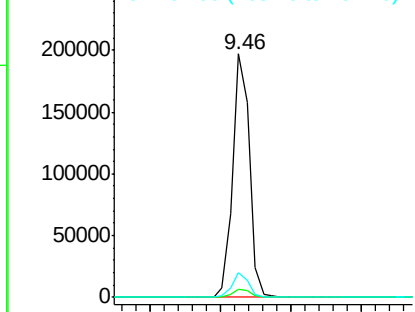
#49
Dimethylphthalate
Concen: 11.05 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Instrument :
BNA_F
ClientSampleId :

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

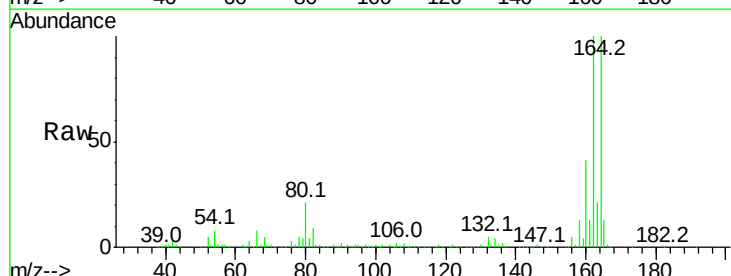


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

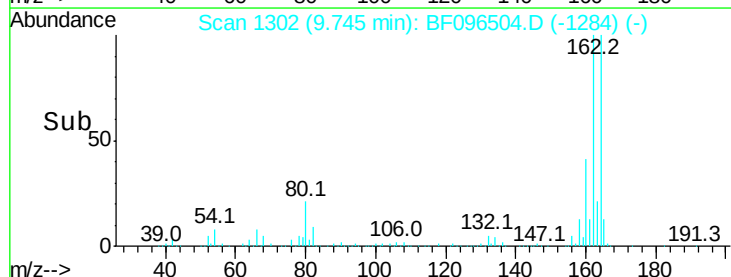
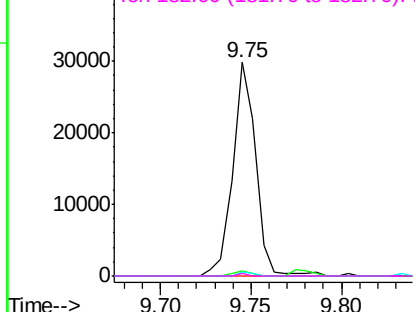


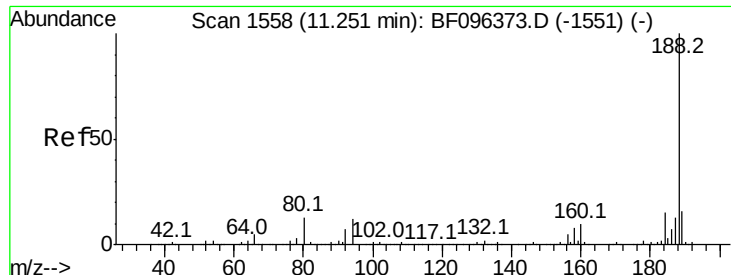
#56
2,4-Dinitrotoluene
Concen: 6.35 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion:165 Resp: 26374
Ion Ratio Lower Upper
165 100
63 2.1 25.4 38.0#
89 1.7 46.4 69.6#
182 1.2 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

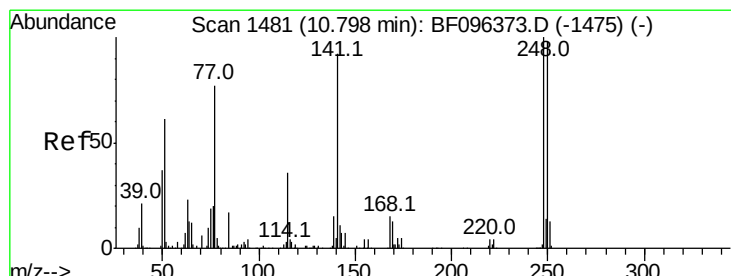
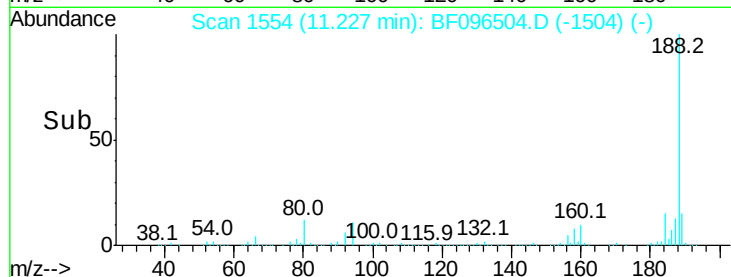
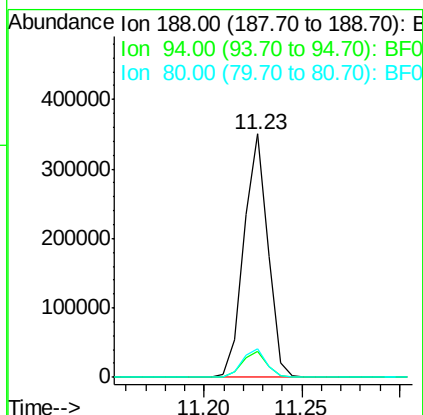
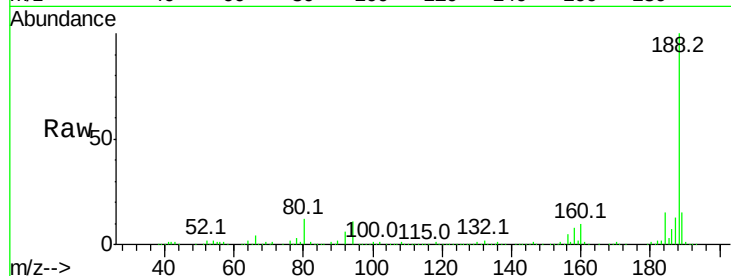




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

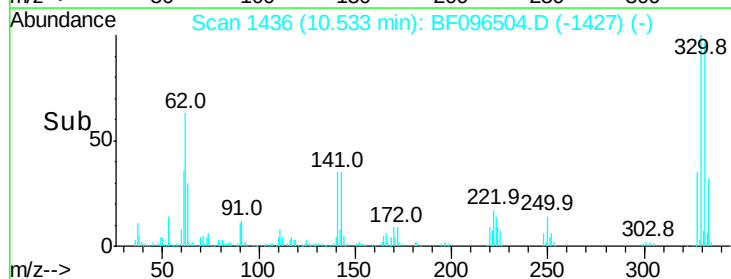
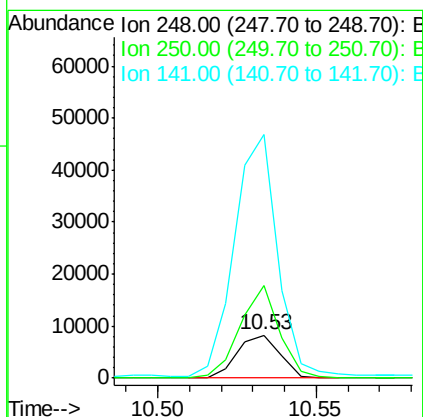
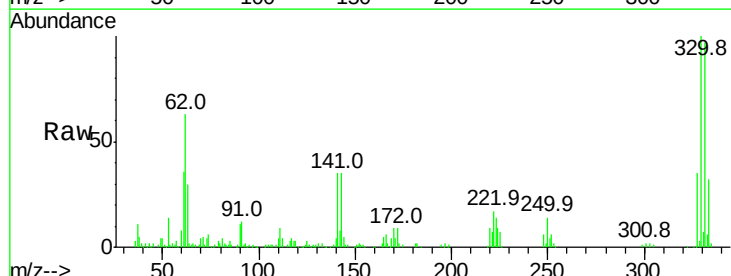
Instrument :
BNA_F
ClientSampleId :

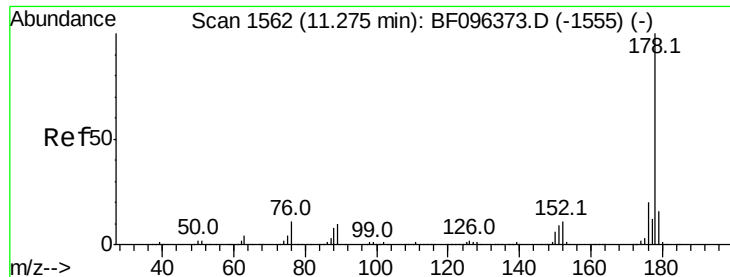
Tot Ion:188 Resp: 298329
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.7 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.64 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Tgt Ion:248 Resp: 7668
Ion Ratio Lower Upper
248 100
250 214.6 76.8 115.2#
141 562.4 68.6 103.0#

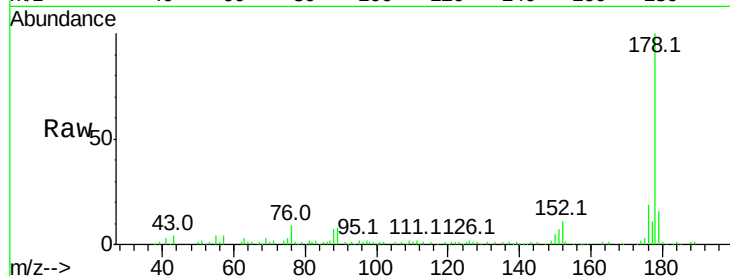




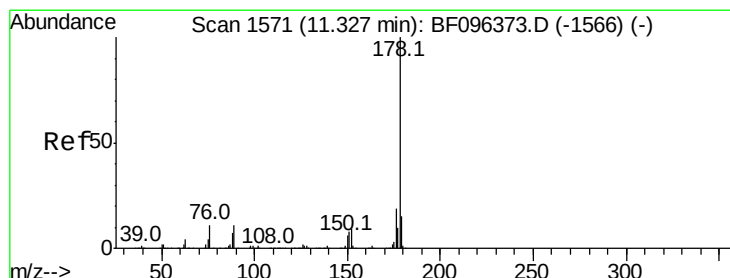
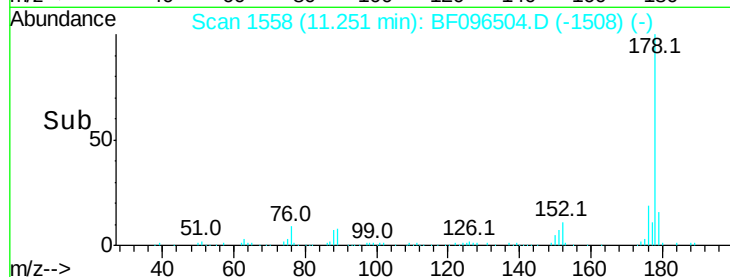
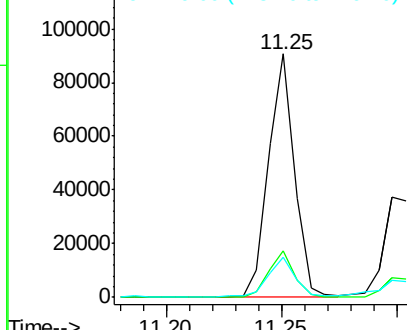
#70
Phenanthrene
Concen: 4.41 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

Instrument :
BNA_F
ClientSampleId :

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

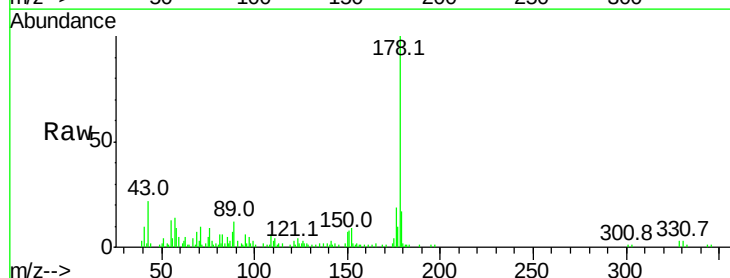


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

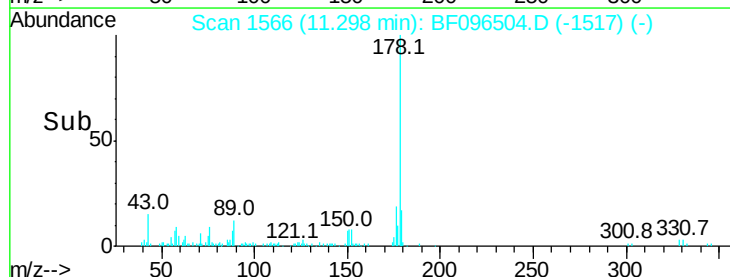
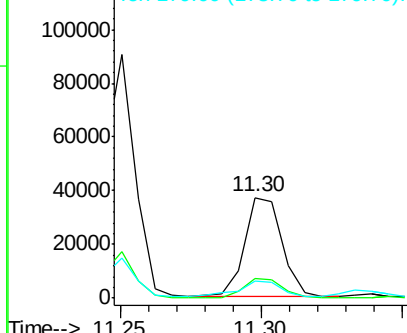


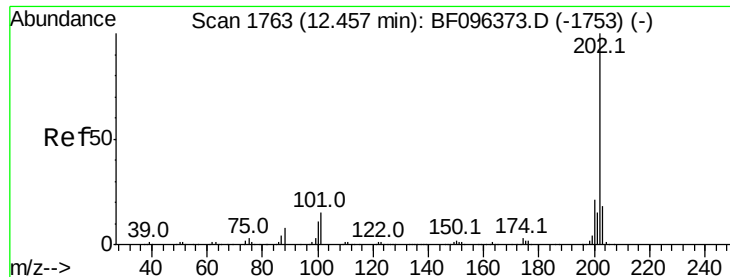
#71
Anthracene
Concen: 2.08 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

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 :

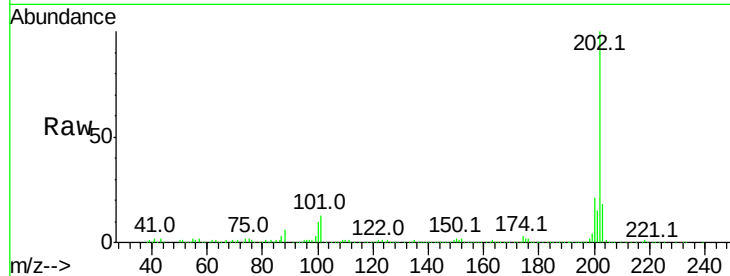
Tot Ion:202 Resp: 297711

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

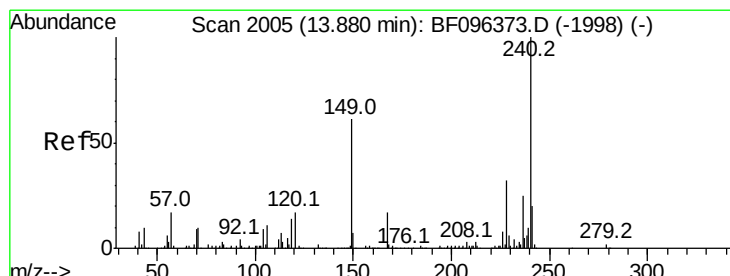
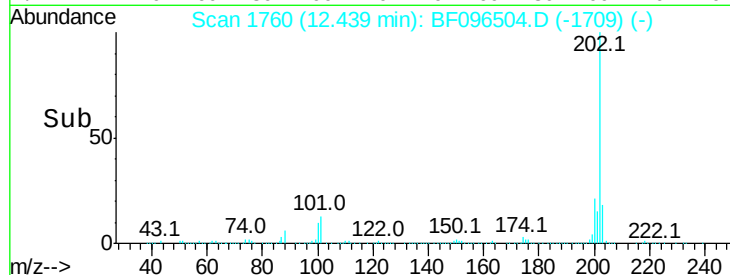
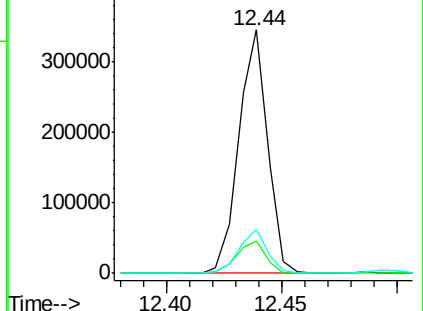
203 18.3 0.0 38.1



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

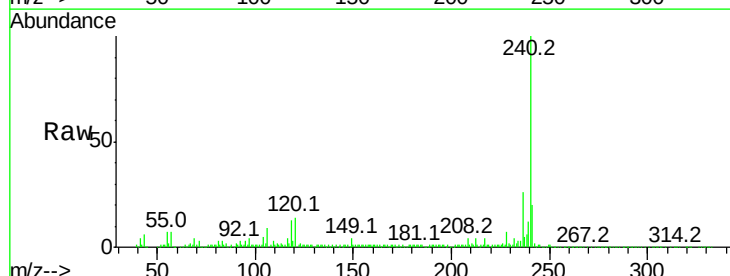
Tgt Ion:240 Resp: 221864

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

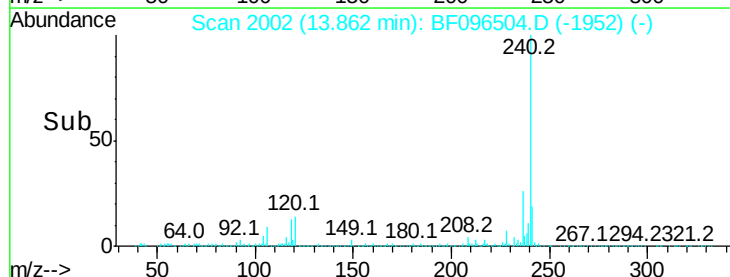
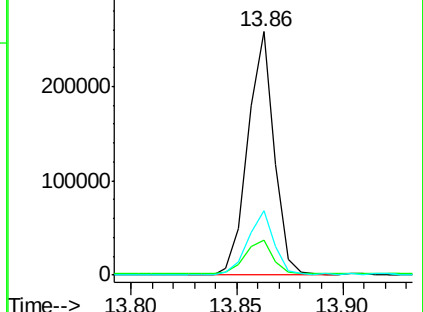
236 26.2 20.5 30.7

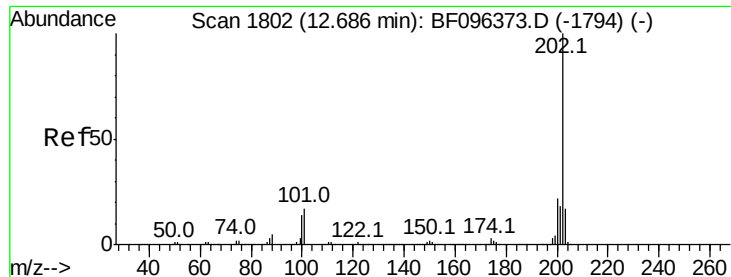


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

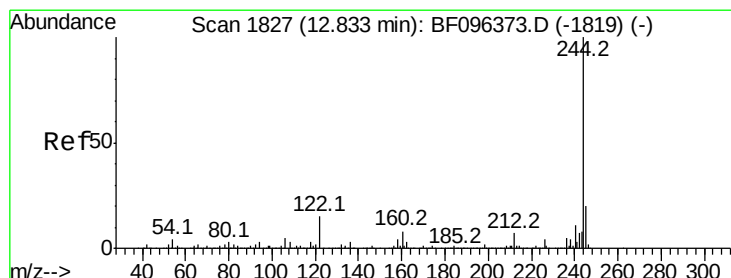
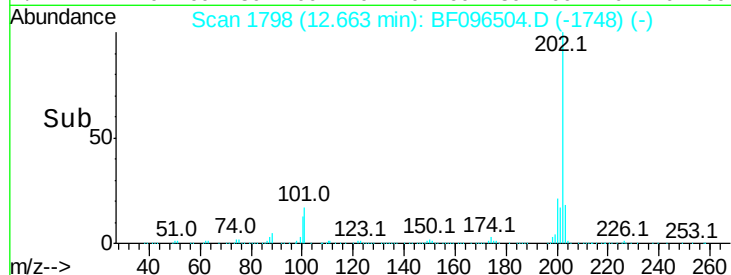
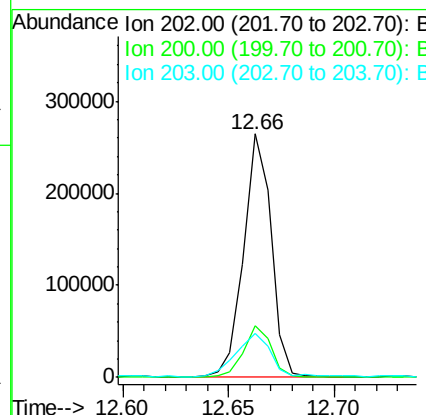
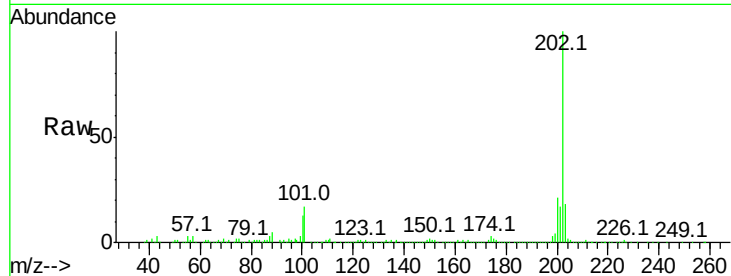




#77
Pvrene
Concen: 13.37 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

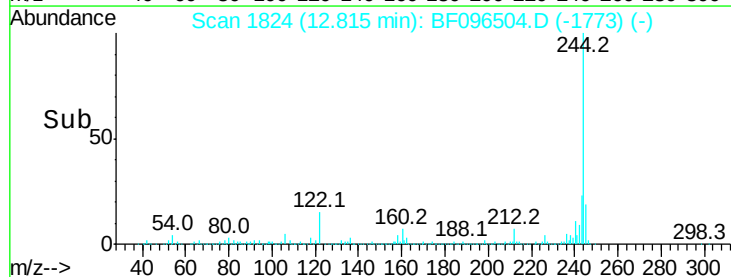
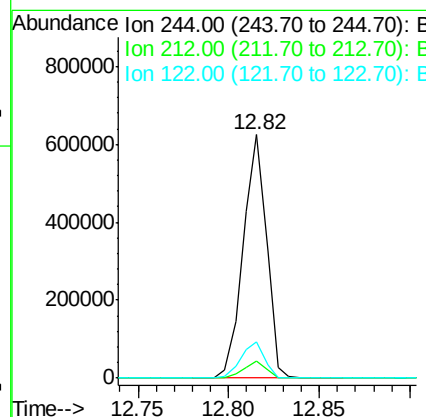
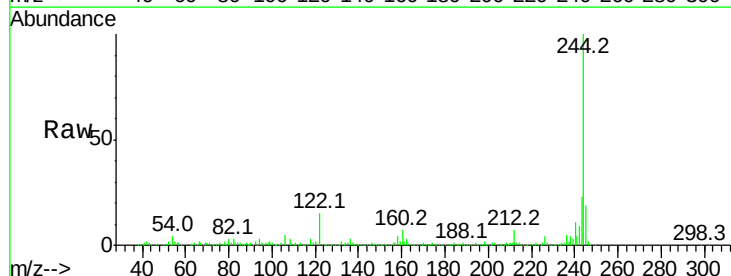
Instrument :
BNA_F
ClientSampleId :

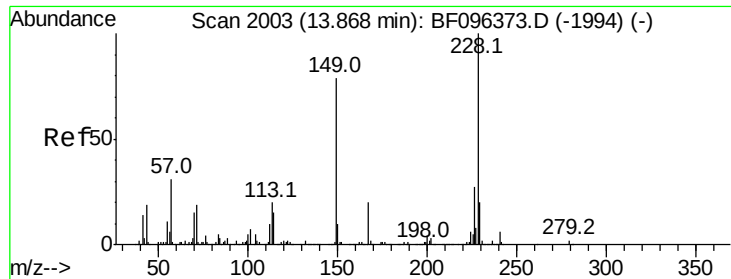
Tot Ion:202 Resp: 238025
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.0 14.4 21.6



#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:244 Resp: 559336
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 :

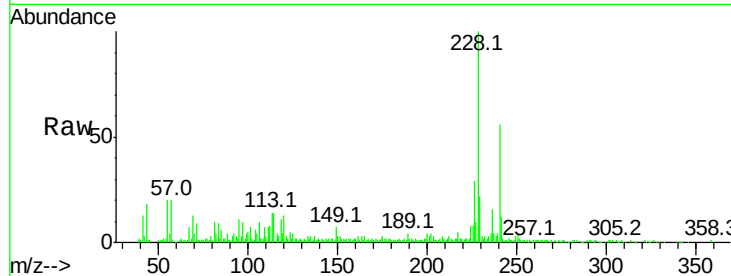
Tot Ion:228 Resp: 91791

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

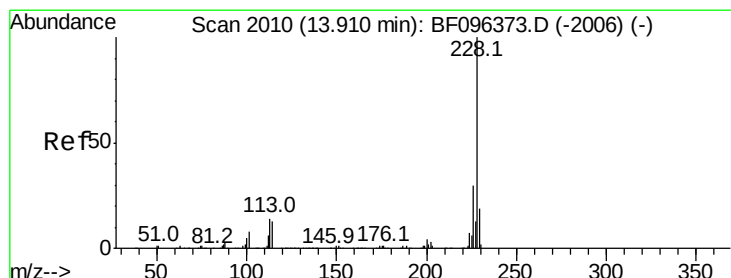
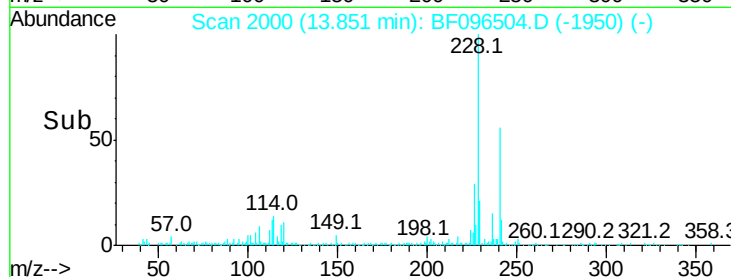
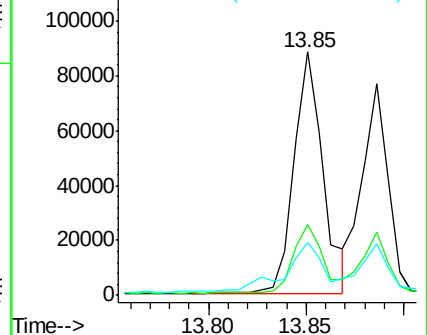
229 21.8 16.3 24.5



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: 6.82 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF096504.D

Acq: 6 Jul 2017 1:29

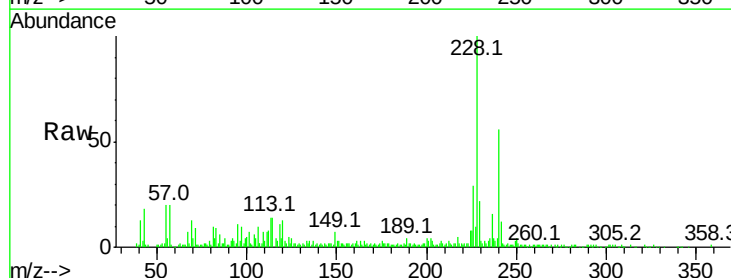
Tgt Ion:228 Resp: 91791

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

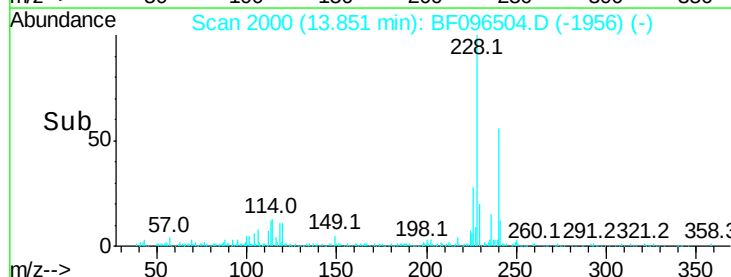
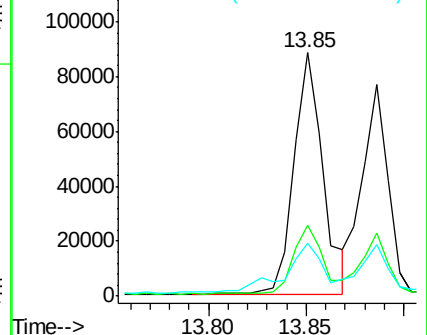
229 21.8 15.8 23.6

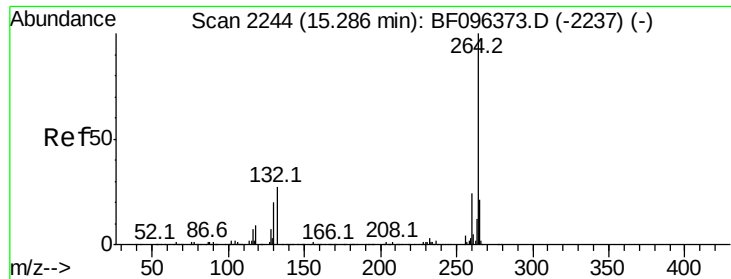


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

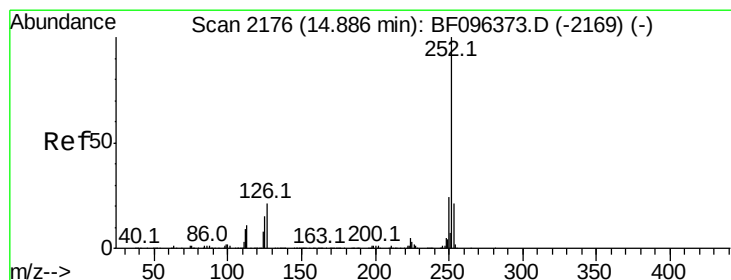
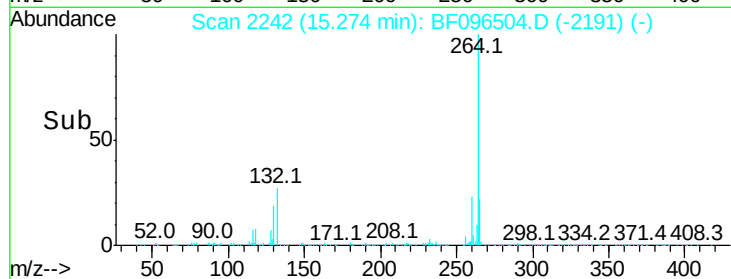
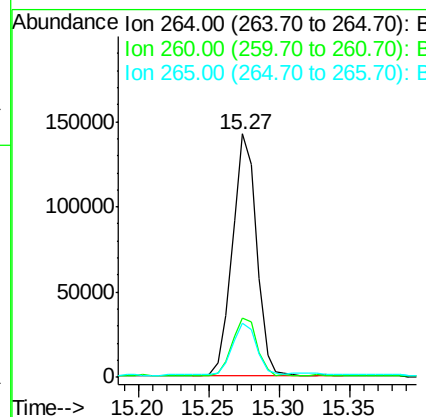
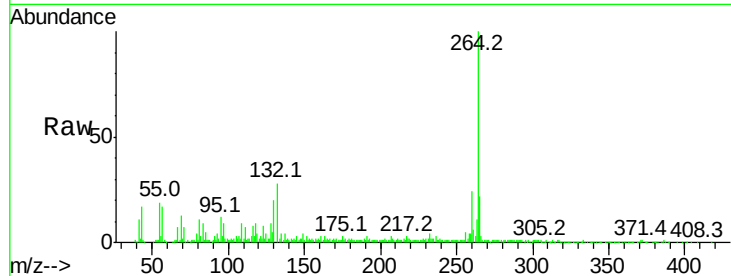




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

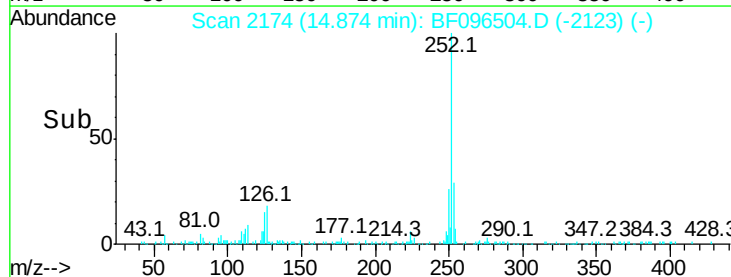
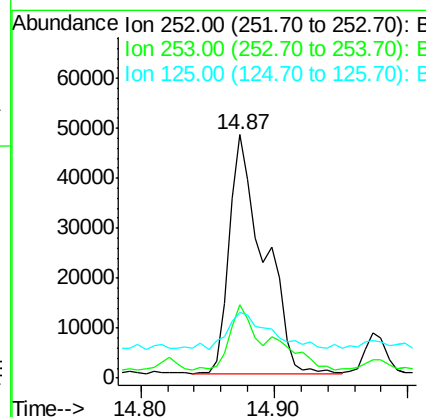
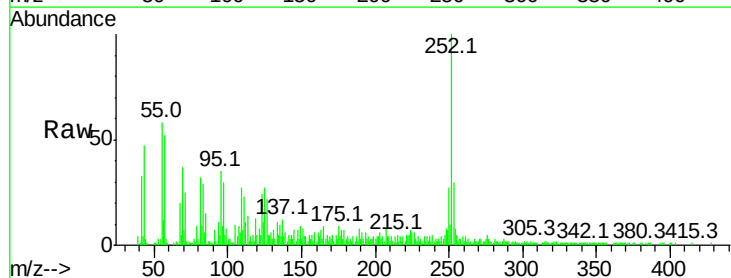
Instrument :
BNA_F
ClientSampleId :

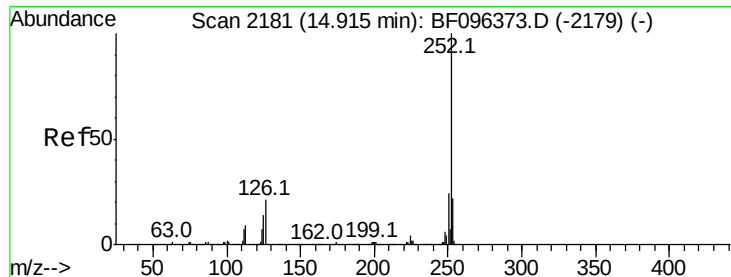
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 8.08 ng
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#

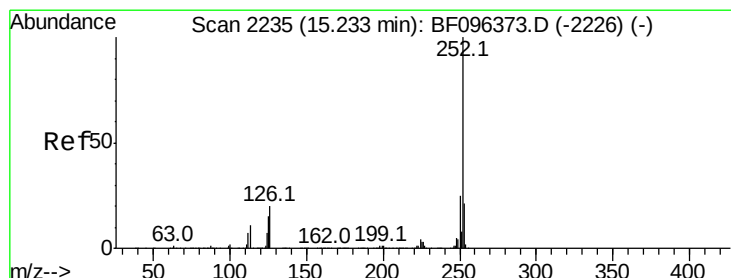
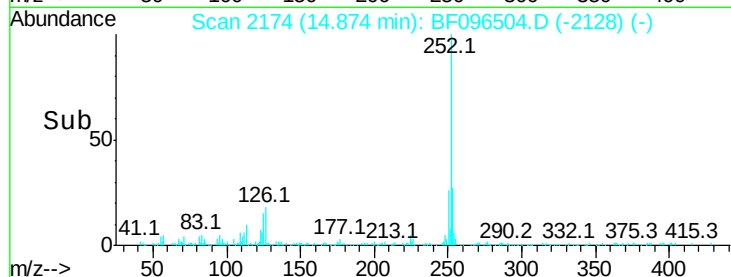
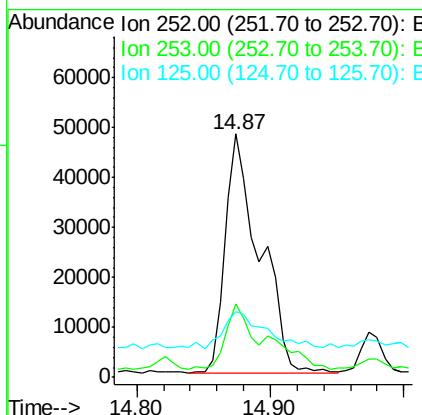
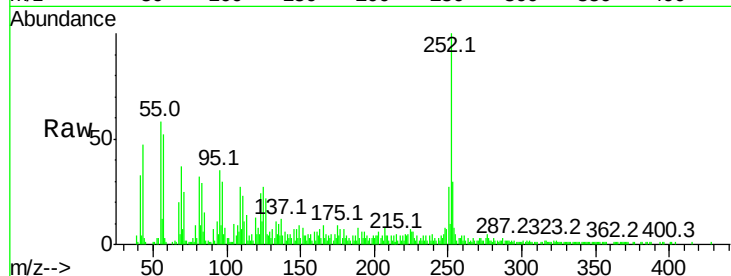




#88
Benzo(k)fluoranthene
Concen: 9.03 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096504.D
Acq: 6 Jul 2017 1:29

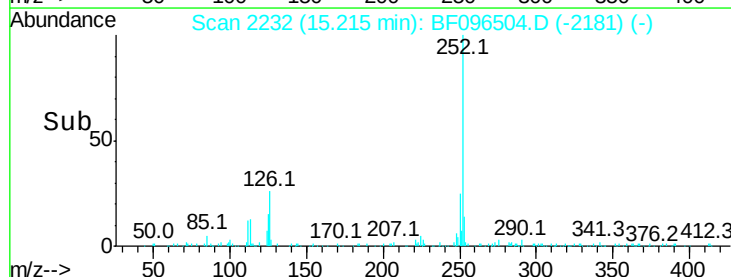
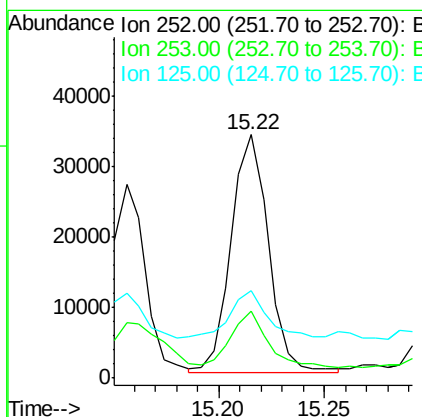
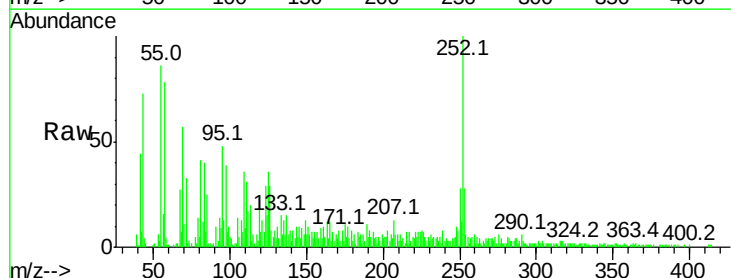
Instrument :
BNA_F
ClientSampleId :

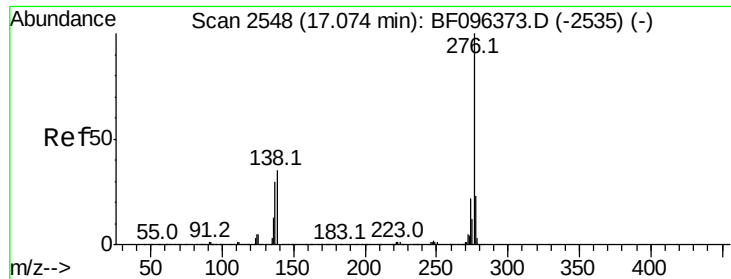
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.4	27.6#
125	27.0	13.1	19.7#



#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	Ratio	Lower	Upper
252	100		
253	27.8	17.5	26.3#
125	36.0	11.0	16.4#

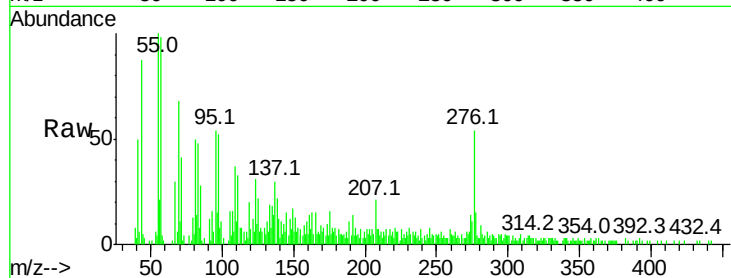




#91
 Benzo(a,h,i)perylene
 Concen: 2.46 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: BF096504.D
 Acq: 6 Jul 2017 1:29

Instrument :
 BNA_F
 ClientSampleId :

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



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

