

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096501.D
 Acq On : 6 Jul 2017 00:07
 Operator : SJ/MA
 Sample : I3976-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:44:32 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

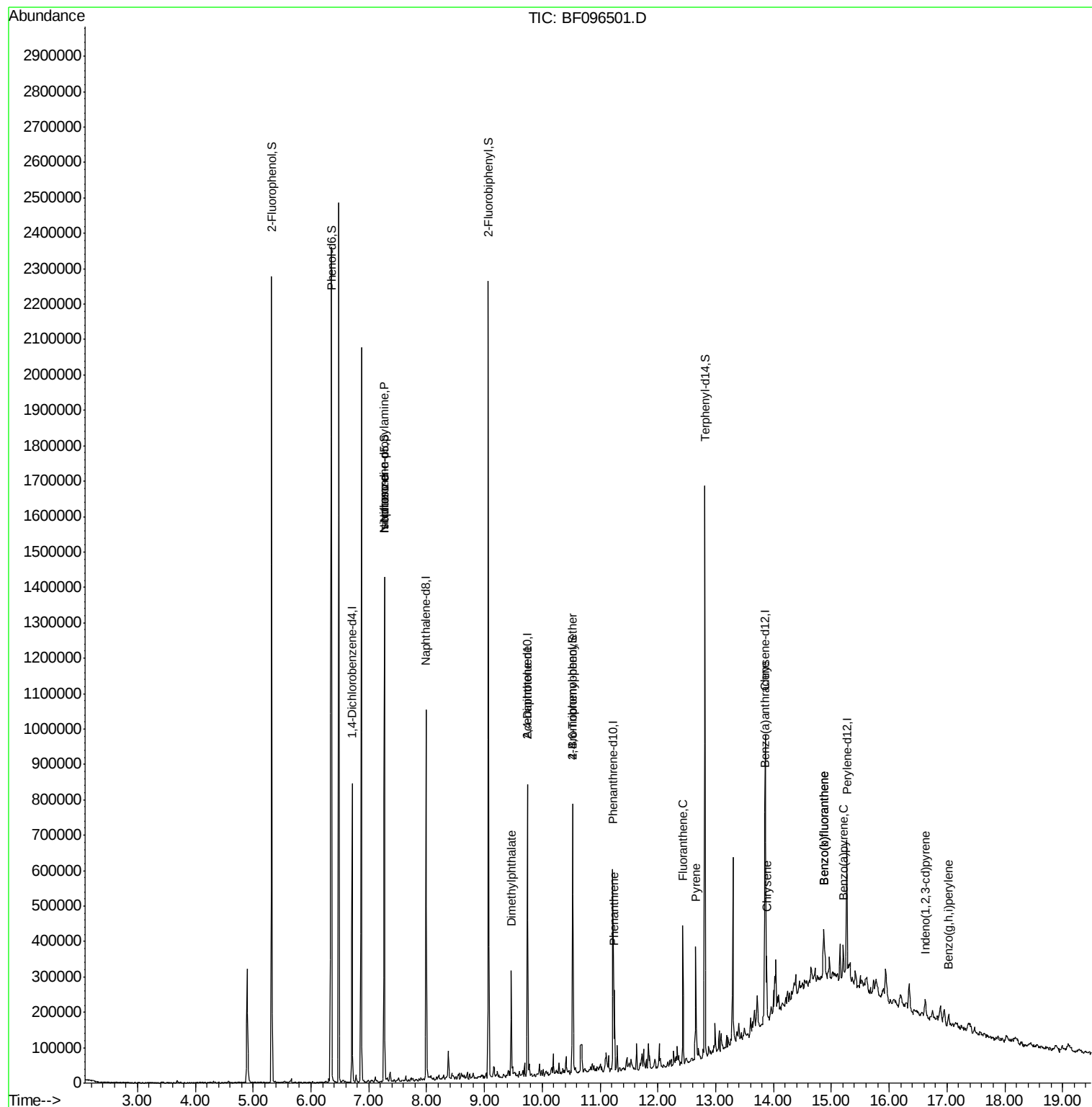
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	107901	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	417291	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	148458	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	207294	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	221805	20.00	ng	-0.01
86) Perylene-d12	15.27	264	171473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	633204	86.62	ng	0.00
7) Phenol-d6	6.35	99	770616	85.74	ng	0.00
23) Nitrobenzene-d5	7.27	82	441108	63.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	79394	68.46	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	730286	84.11	ng	0.00
78) Terphenyl-d14	12.81	244	492023	47.40	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	58955	11.01	ng	# 87
25) Isophorone	7.27	82	437495	32.49	ng	# 67
49) Dimethylphthalate	9.46	163	102827	9.28	ng	98
56) 2,4-Dinitrotoluene	9.75	165	18684	6.02	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	5305	2.63	ng	# 1
70) Phenanthrene	11.25	178	81975	7.32	ng	98
74) Fluoranthene	12.43	202	138352	12.59	ng	98
77) Pyrene	12.66	202	136336	7.66	ng	99
80) Benzo(a)anthracene	13.84	228	67696	5.27	ng	97
82) Chrysene	13.88	228	66710	4.96	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	21506	2.03	ng	97
87) Benzo(b)fluoranthene	14.87	252	91279	8.50	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	91279	9.50	ng	99
89) Benzo(a)pyrene	15.20	252	44433	4.63	ng	# 86
91) Benzo(a,h,i)perylene	17.03	276	25411	3.25	ng	97

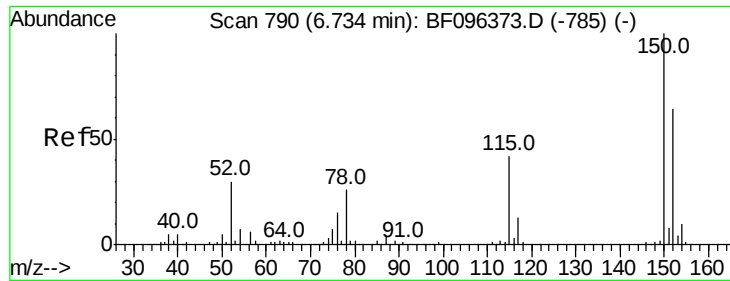
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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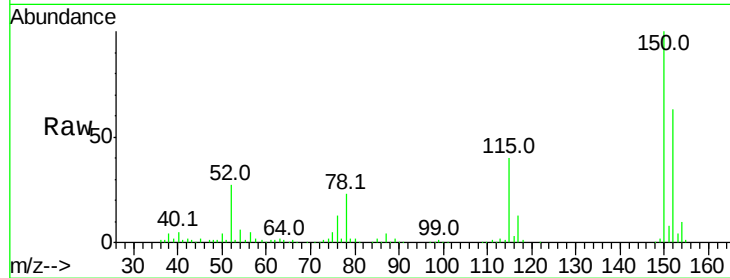


#1

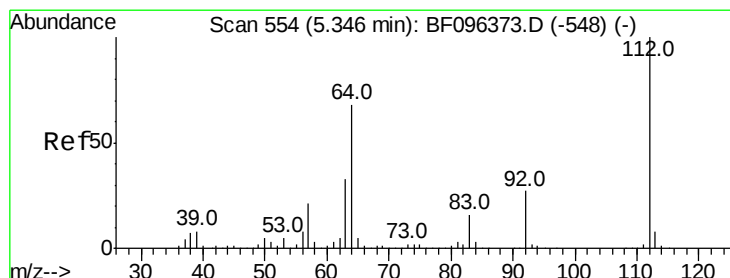
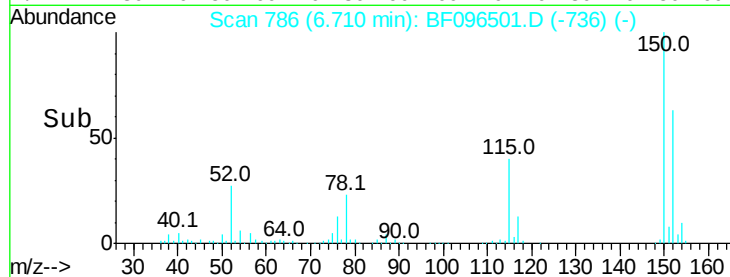
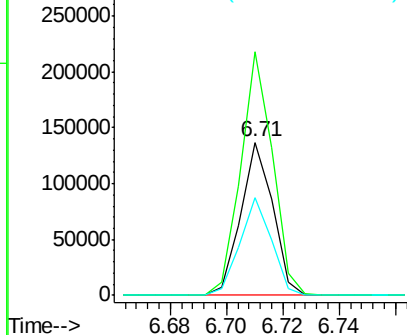
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.2	189.2
115	63.8	52.2	78.2



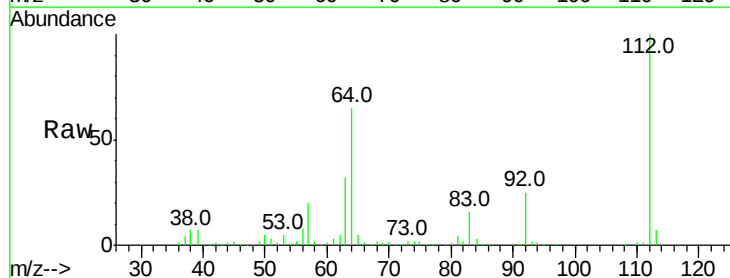
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



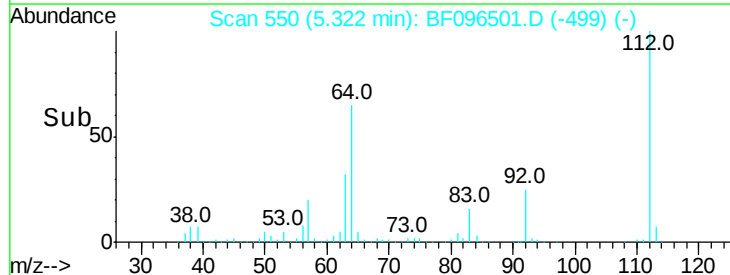
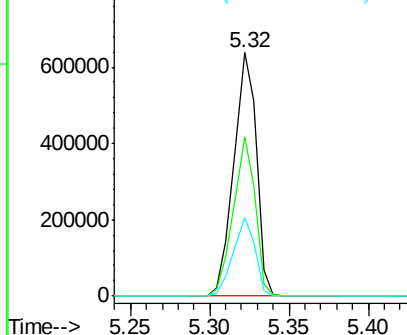
#5

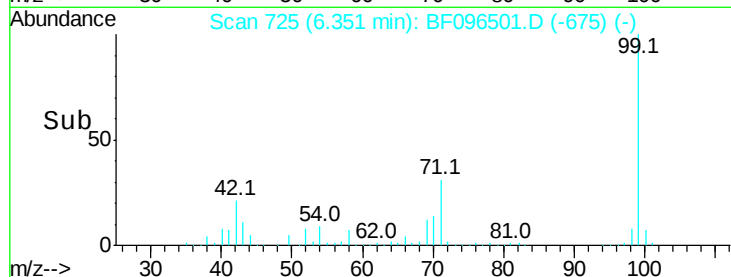
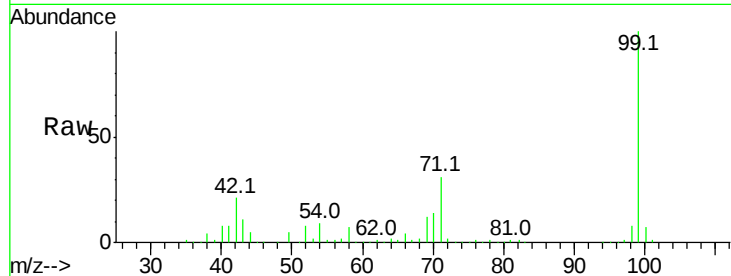
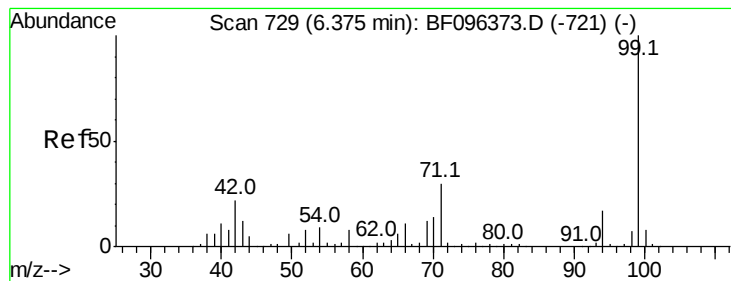
2-Fluorophenol
 Concen: 86.62 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	32.3	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: 85.74 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampled :

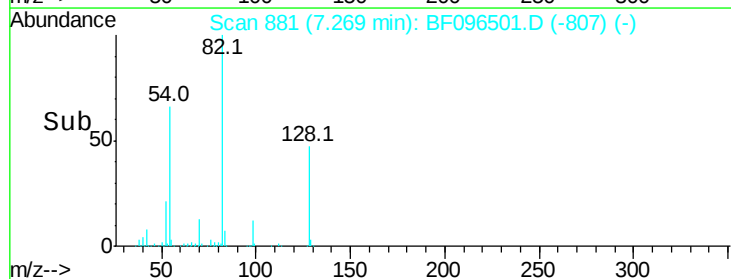
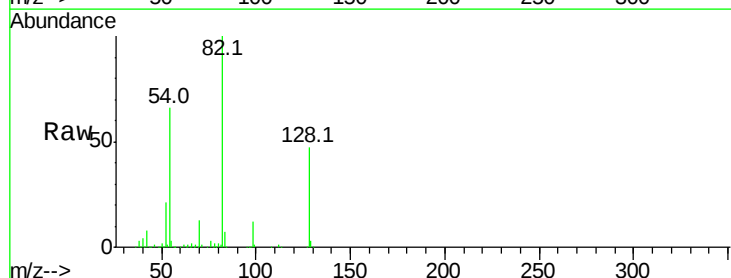
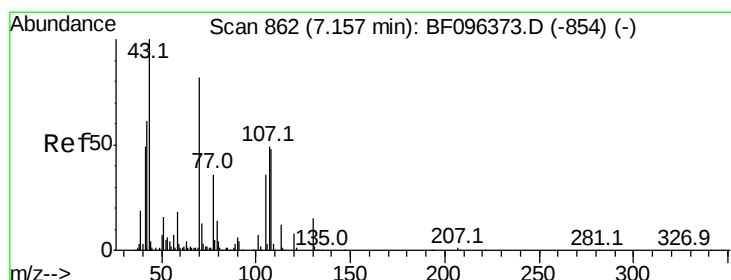
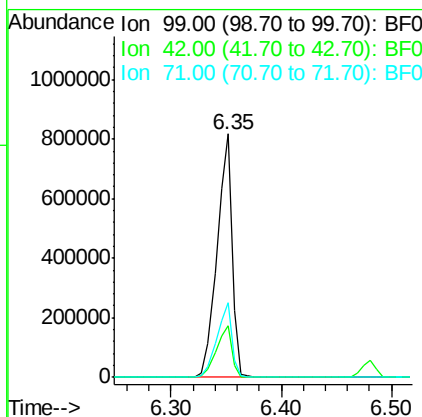
Tot Ion: 99 Resp: 770616

Ion Ratio Lower Upper

99 100

42 21.4 13.5 20.3#

71 30.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.01 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Tgt Ion: 70 Resp: 58955

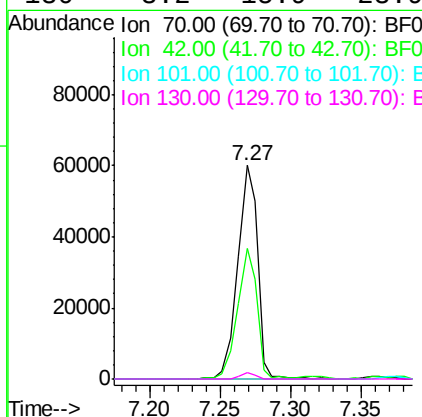
Ion Ratio Lower Upper

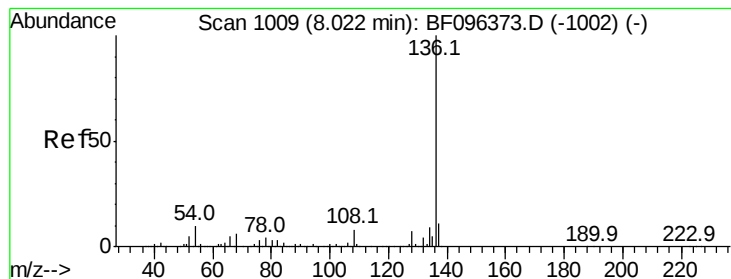
70 100

42 61.0 47.2 70.8

101 0.0 7.2 10.8#

130 3.2 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: BF096501.D

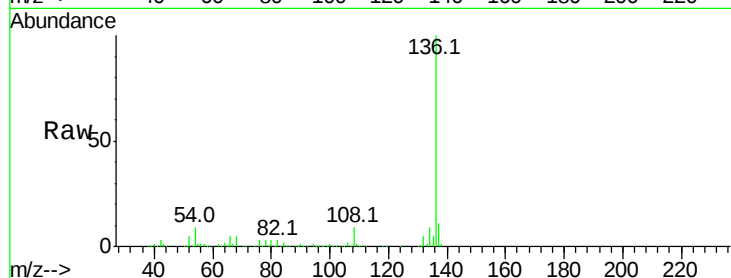
Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	417291
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	9.4	4.9 7.3#
68	5.1	4.1 6.1

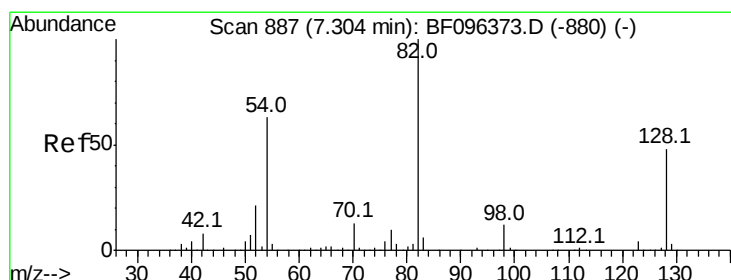
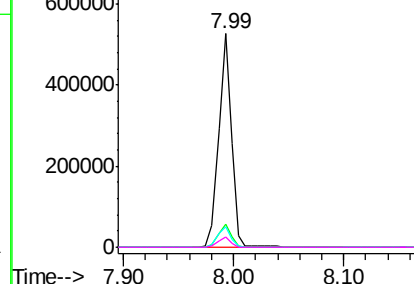
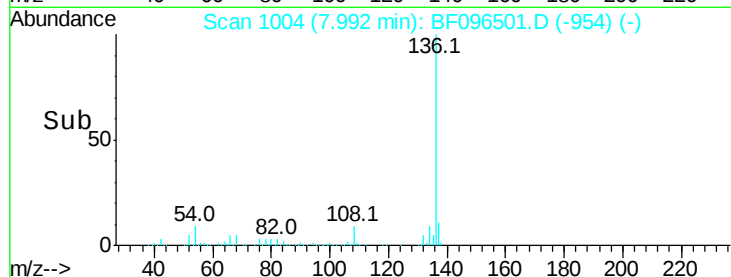


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.52 ng

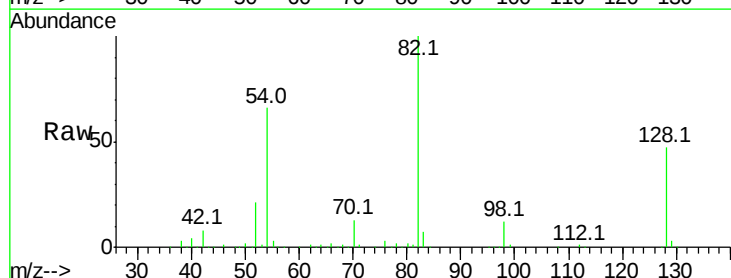
RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

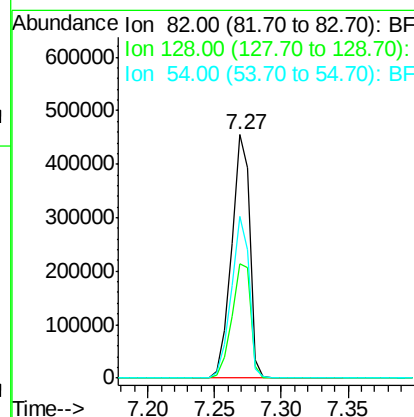
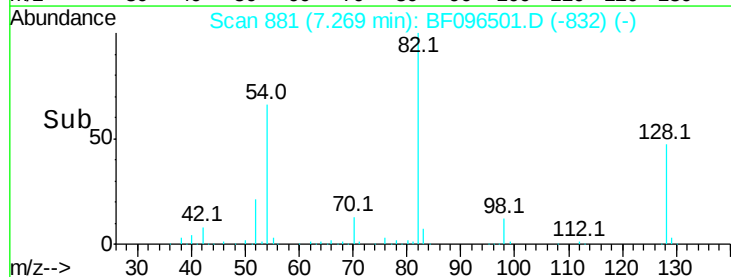
Tgt Ion: 82	Resp:	441108
Ion Ratio	Lower	Upper
82	100	
128	46.9	34.0 51.0
54	66.3	42.2 63.2#

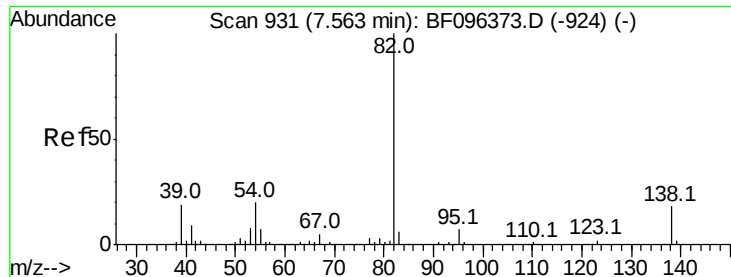


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.49 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :
BNA_F
ClientSampleId :

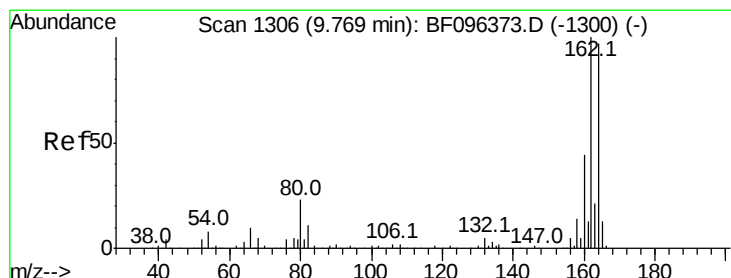
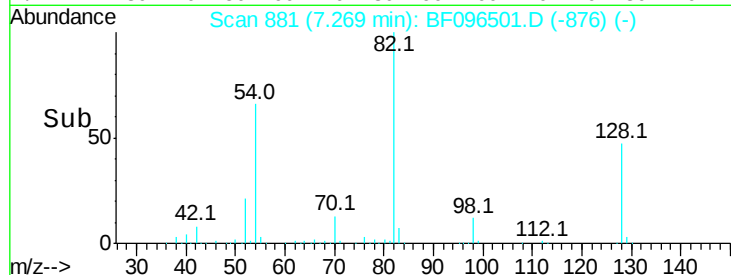
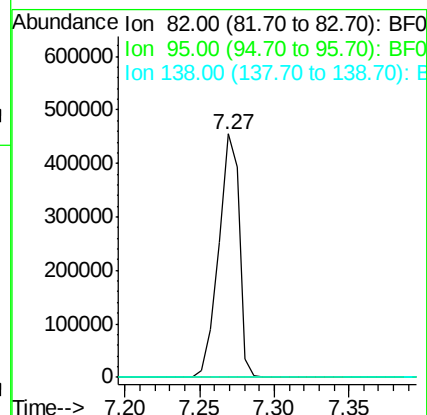
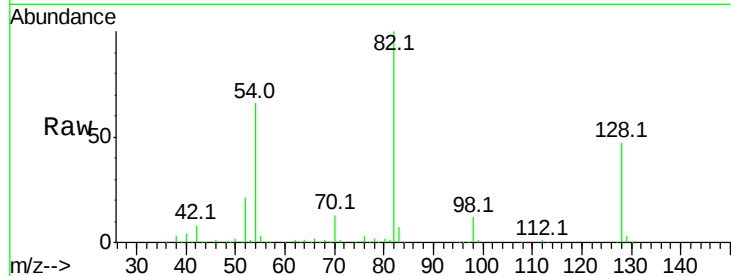
Tot Ion: 82 Resp: 437495

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

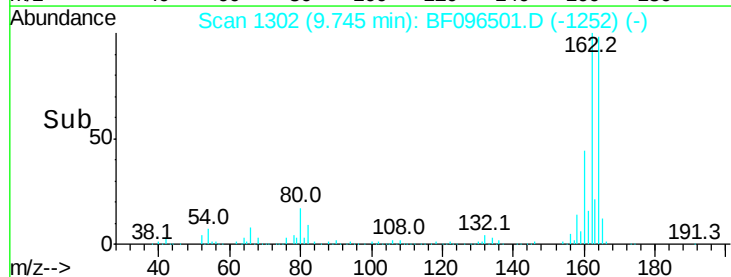
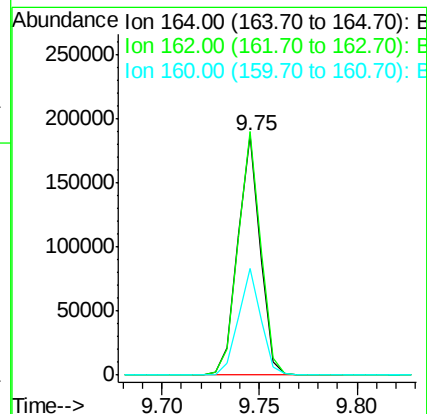
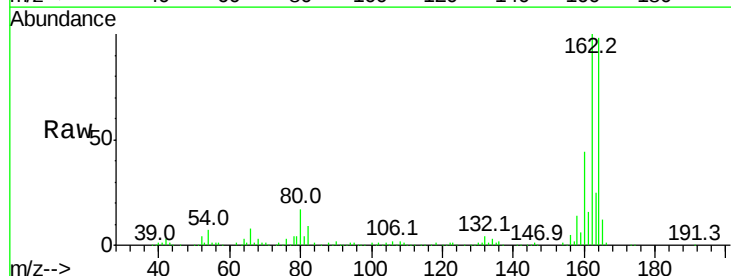
Tgt Ion:164 Resp: 148458

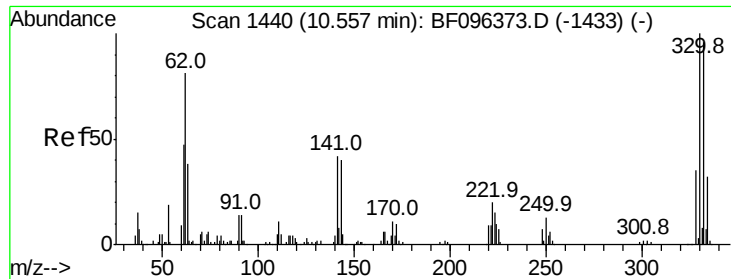
Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 44.3 36.2 54.2

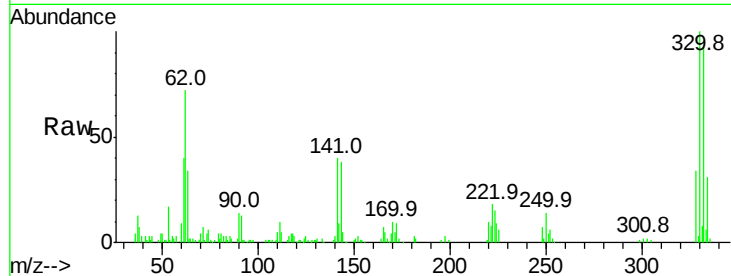




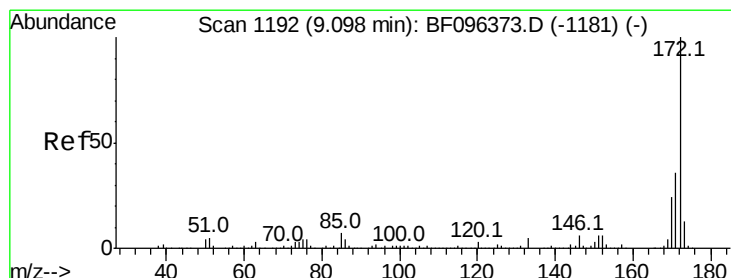
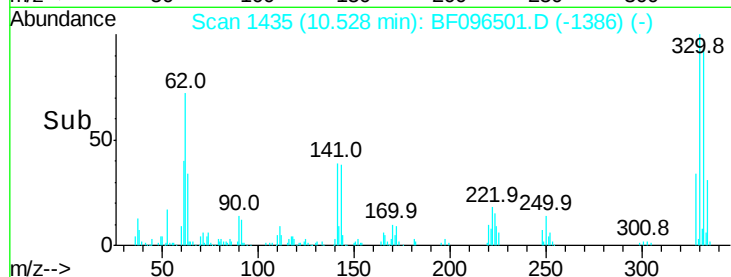
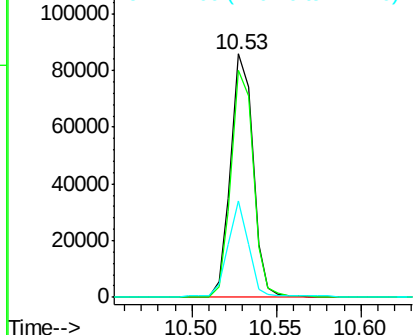
#41
 2,4,6-Tribromophenol
 Concen: 68.46 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 79394
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 115.0
 141 37.9 31.4 47.2

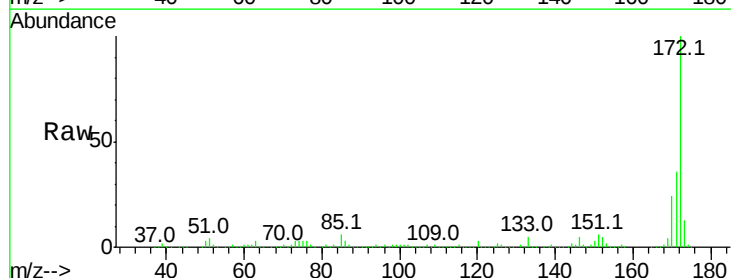


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

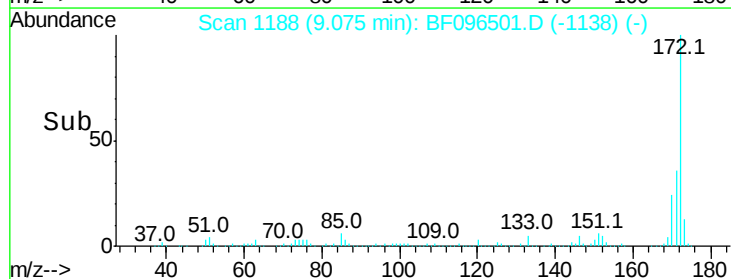
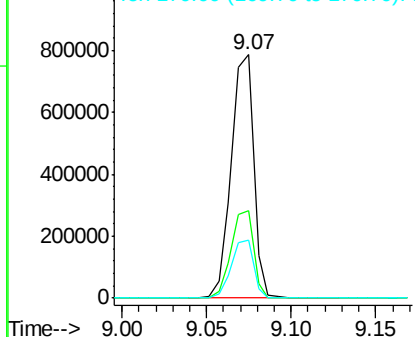


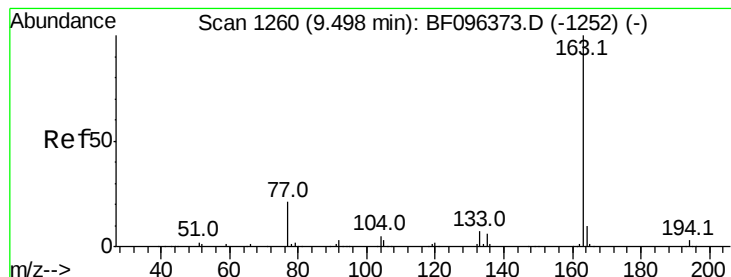
#44
 2-Fluorobiphenyl
 Concen: 84.11 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Tgt Ion:172 Resp: 730286
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.0 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: 9.28 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampleId :

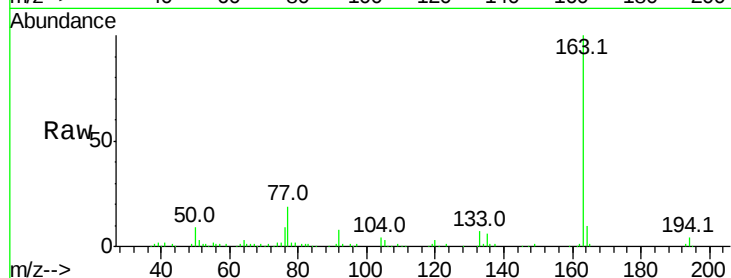
Tot Ion:163 Resp: 102827

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

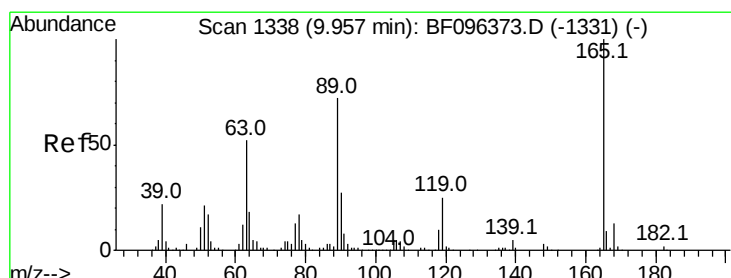
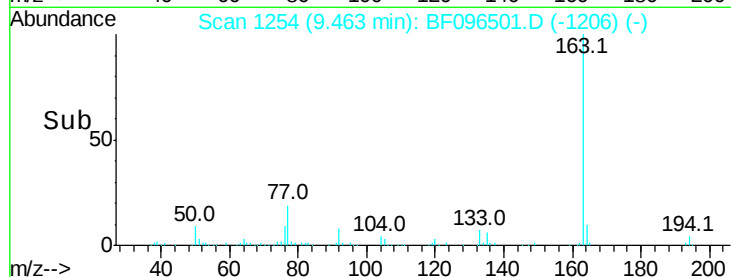
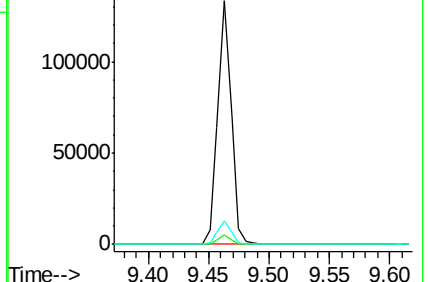
164 9.8 8.4 12.6



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: 6.02 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.19 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Tgt Ion:165 Resp: 18684

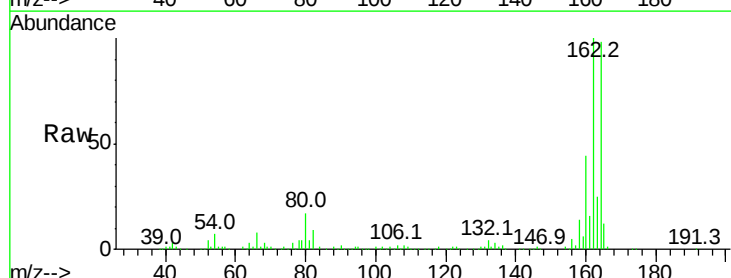
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

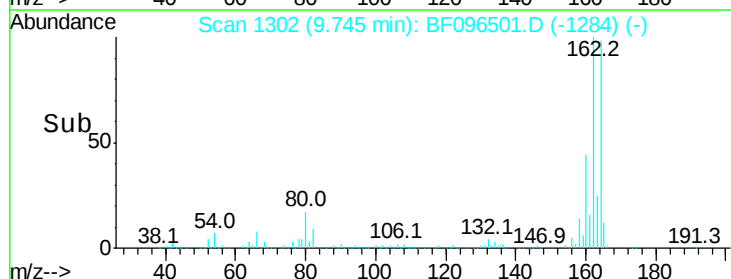
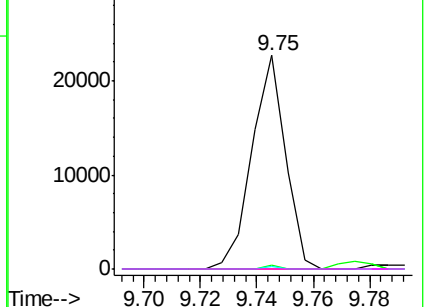


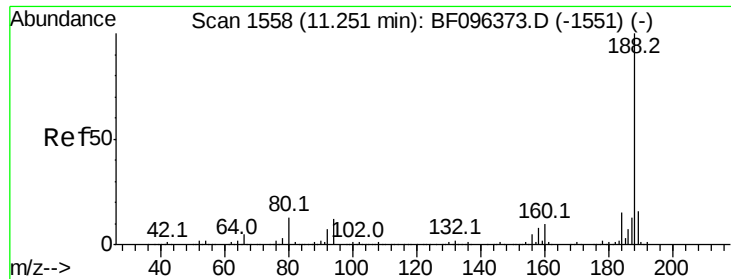
Abundance Ion 165.00 (164.70 to 165.70): E

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

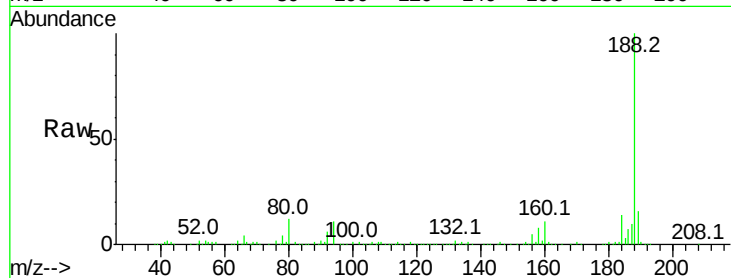




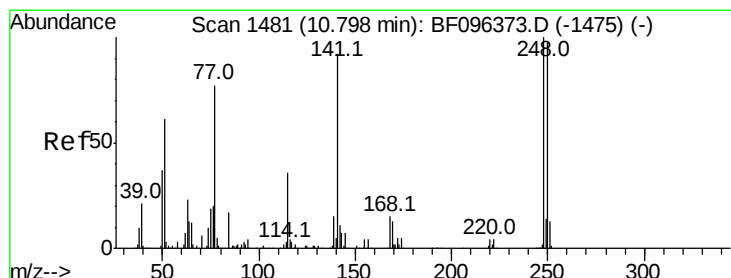
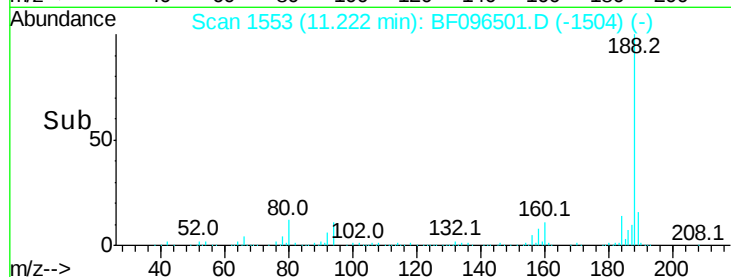
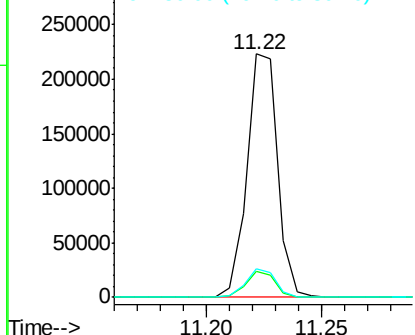
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 207294
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 10.2 15.2

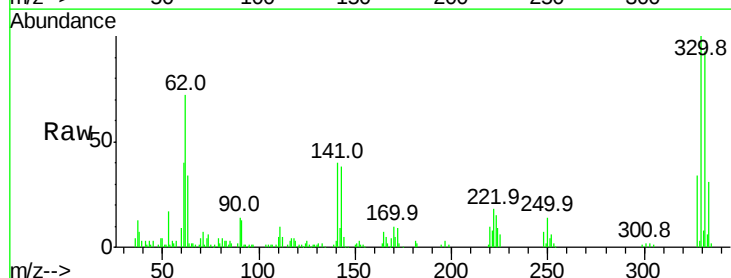


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

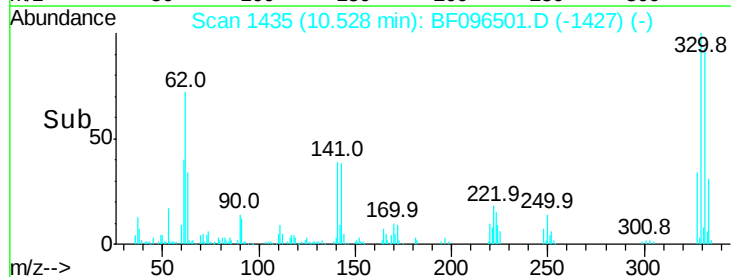
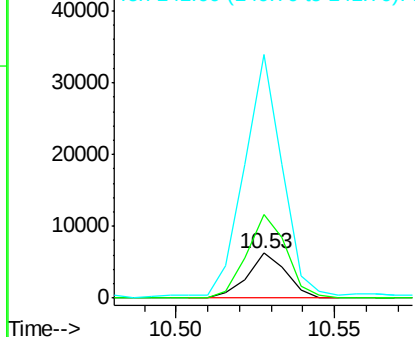


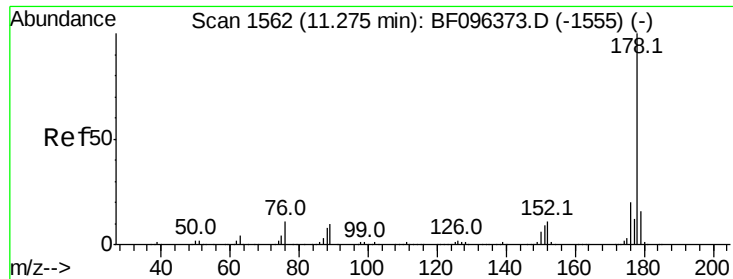
#66
4-Bromophenyl-phenylether
Concen: 2.63 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.25 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion:248 Resp: 5305
Ion Ratio Lower Upper
248 100
250 186.0 76.8 115.2#
141 542.1 68.6 103.0#



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

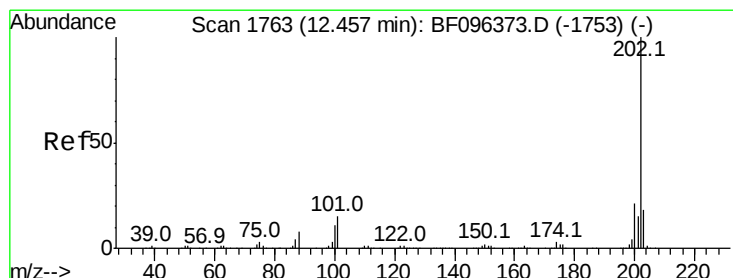
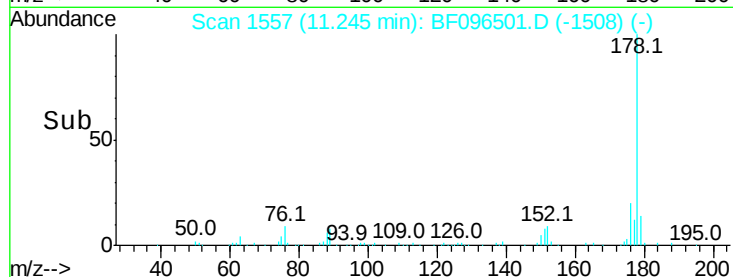
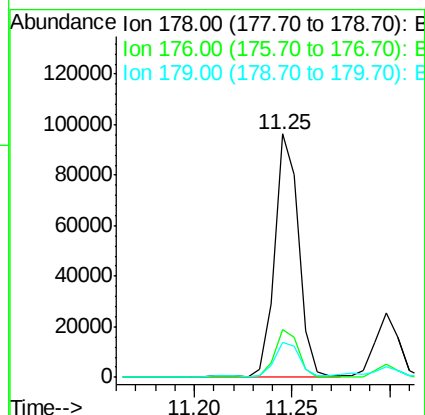
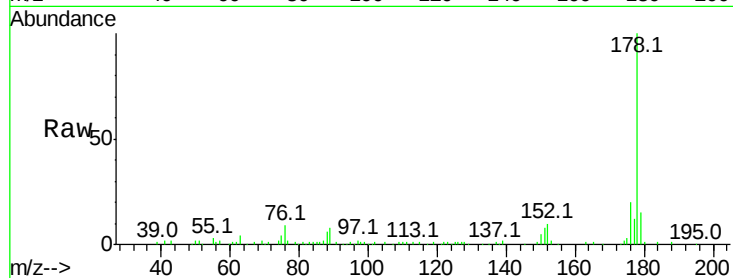




#70
Phenanthrene
Concen: 7.32 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

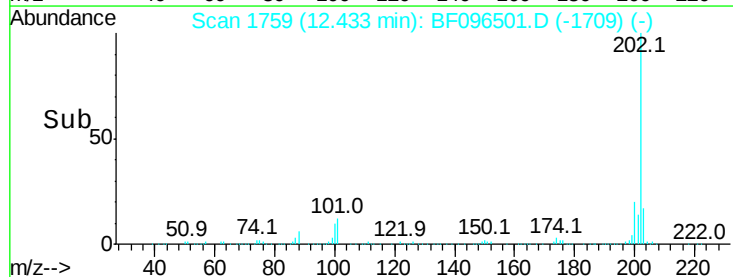
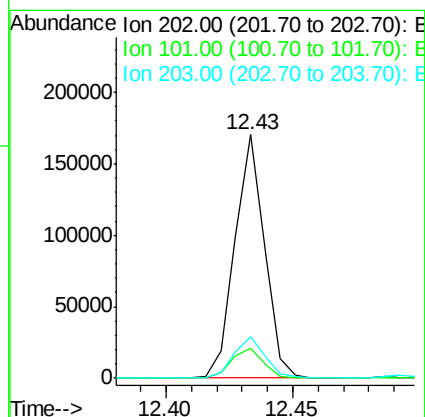
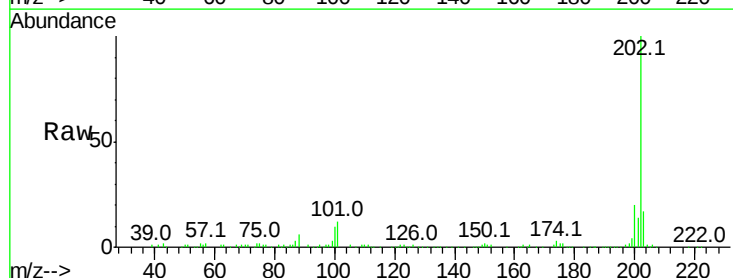
Instrument :
BNA_F
ClientSampleId :

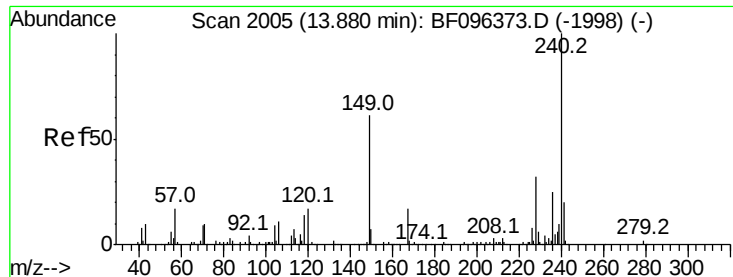
Tot Ion:178 Resp: 81975
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 14.5 12.6 19.0



#74
Fluoranthene
Concen: 12.59 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion:202 Resp: 138352
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.2
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampleId :

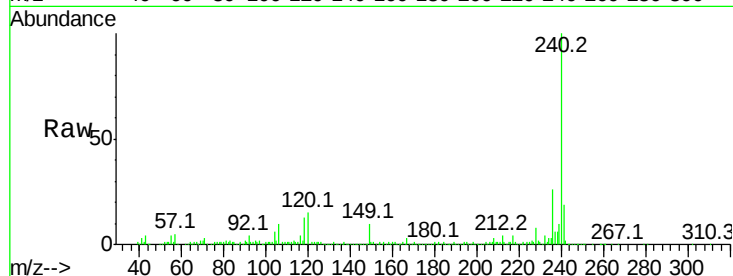
Tot Ion:240 Resp: 221805

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

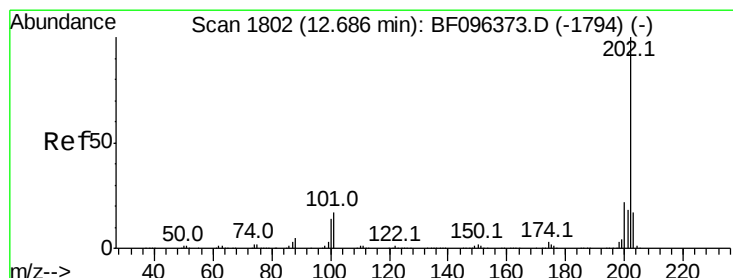
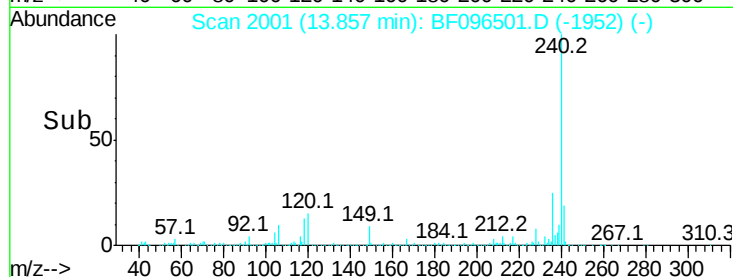
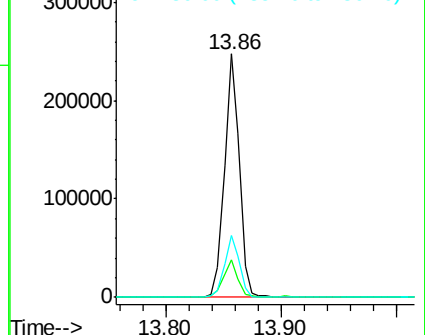
236 25.6 20.5 30.7



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: 7.66 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

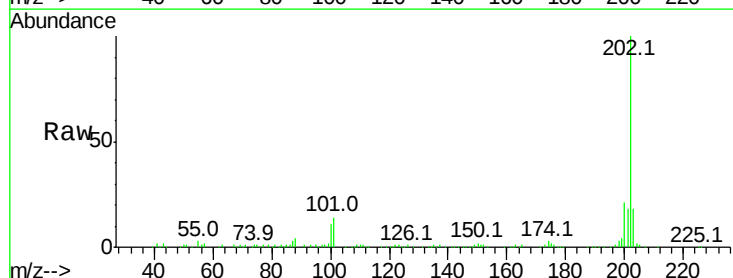
Tgt Ion:202 Resp: 136336

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

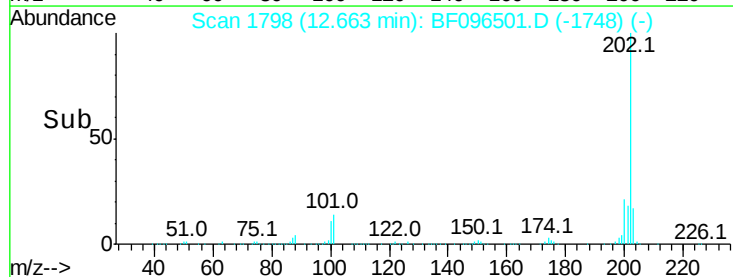
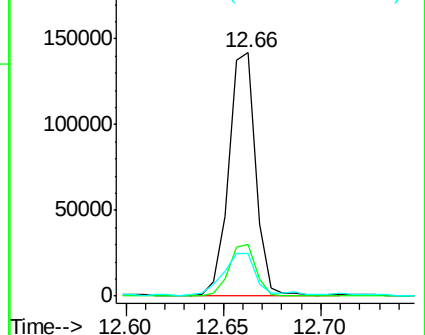
203 17.5 14.4 21.6

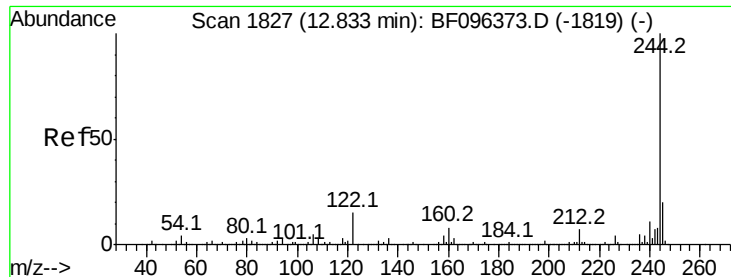


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.40 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampleId :

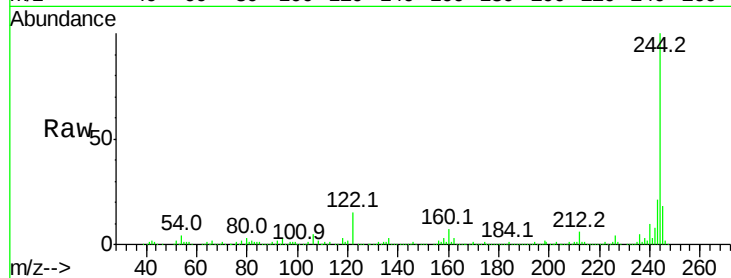
Tot Ion:244 Resp: 492023

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

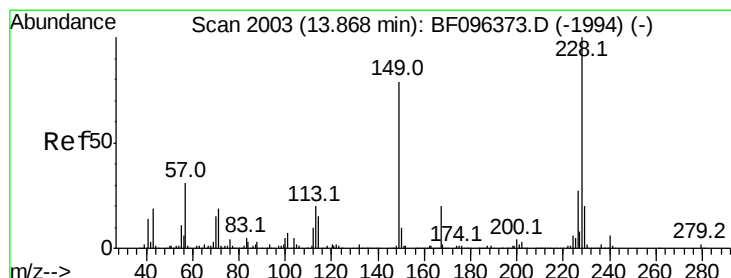
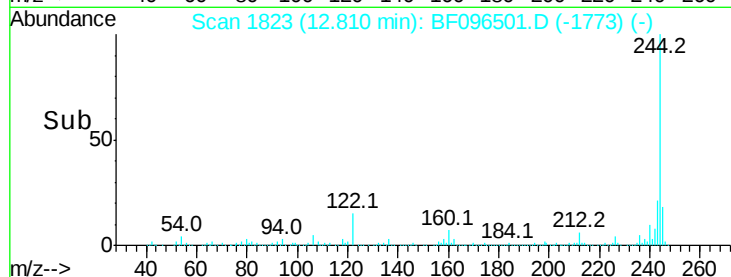
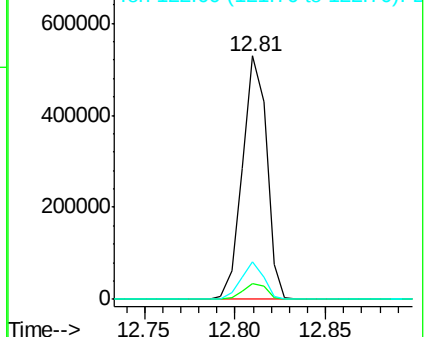
122 15.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.27 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

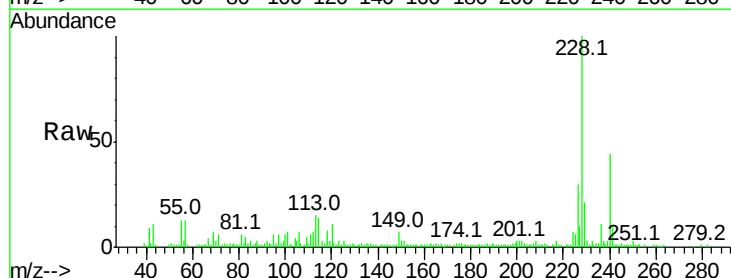
Tgt Ion:228 Resp: 67696

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

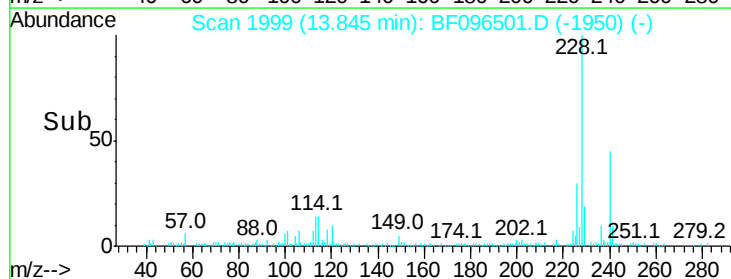
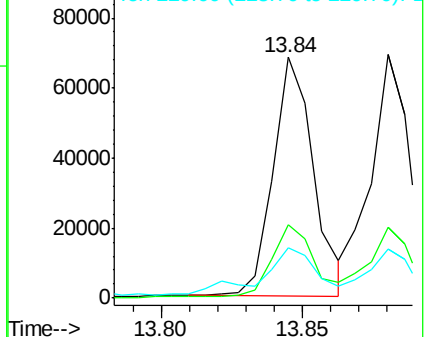
229 20.9 16.3 24.5

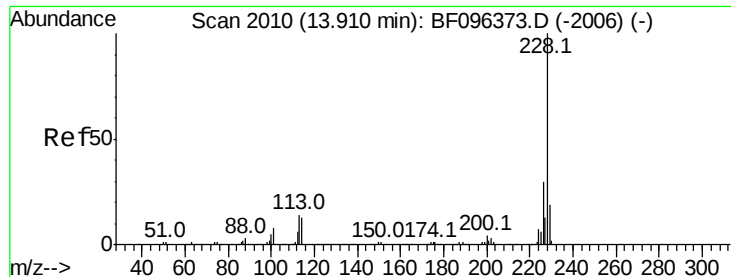


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.96 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampled :

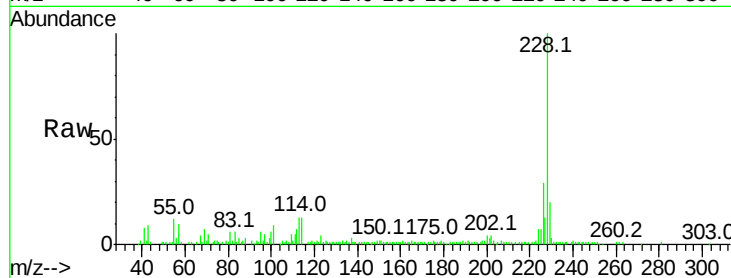
Tot Ion:228 Resp: 66710

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

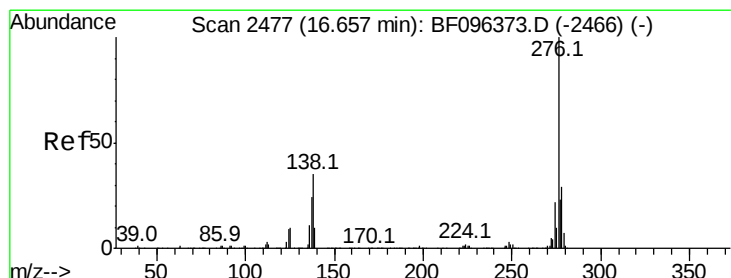
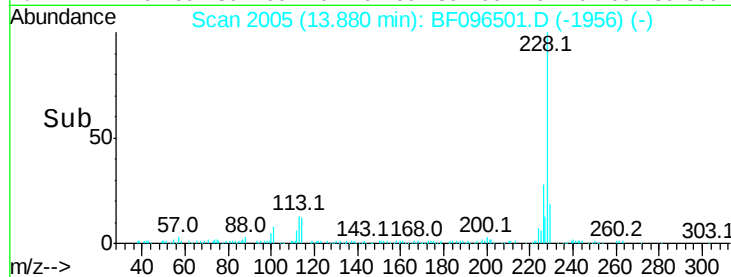
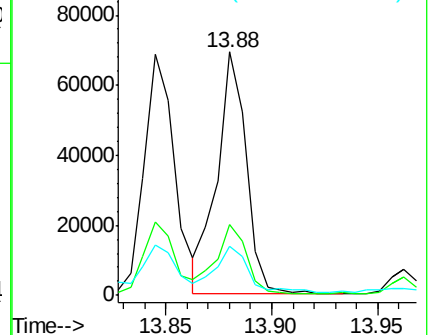
229 20.3 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.03 ng

RT: 16.62 min Scan# 2471

Delta R.T. -0.02 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

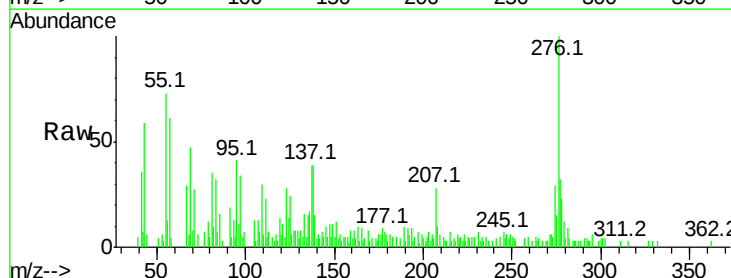
Tgt Ion:276 Resp: 21506

Ion Ratio Lower Upper

276 100

138 35.3 27.8 41.6

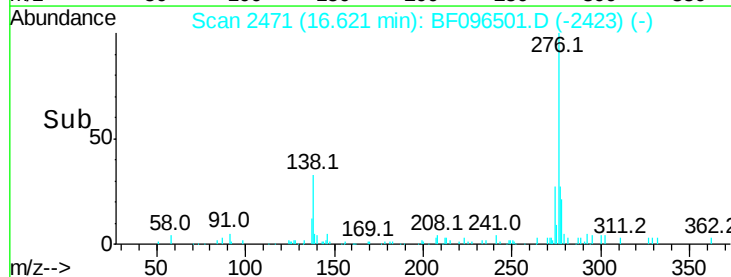
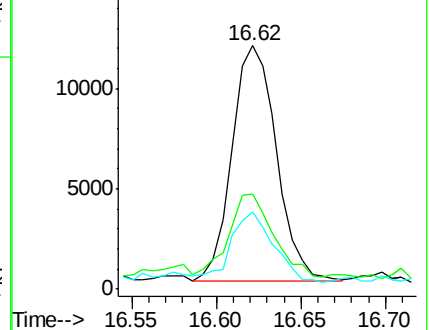
277 28.5 20.2 30.4

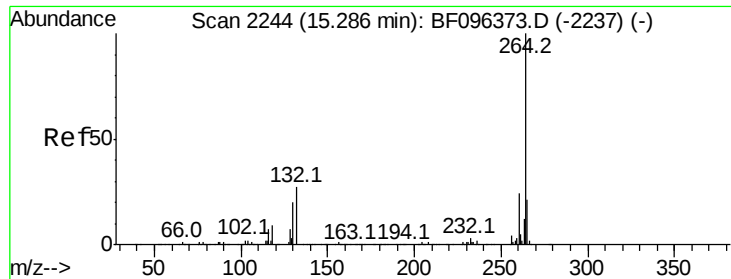


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

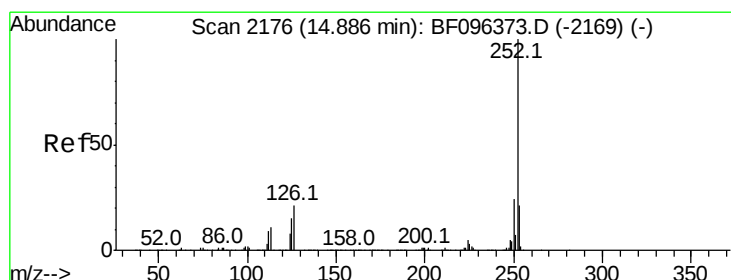
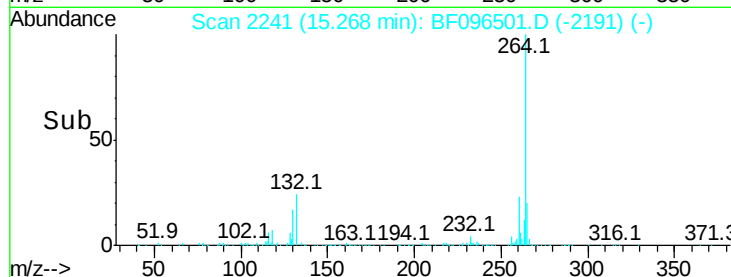
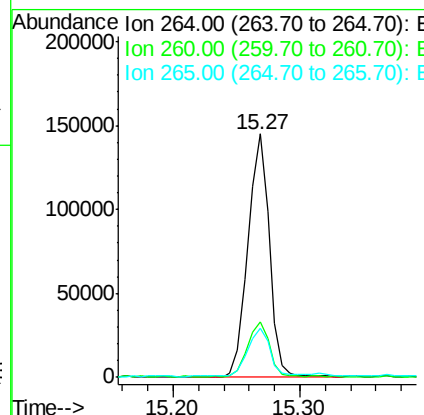
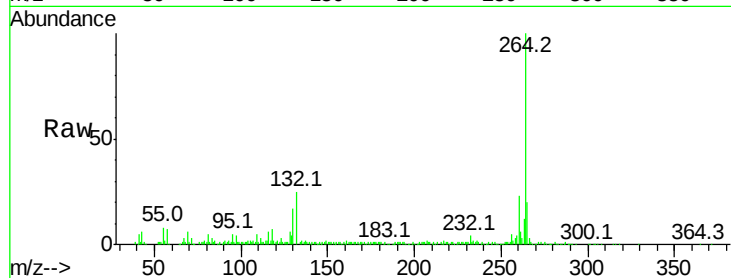




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

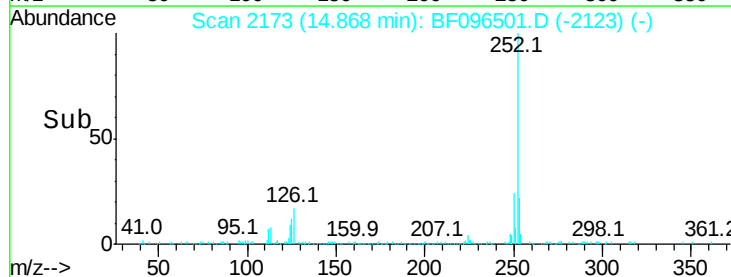
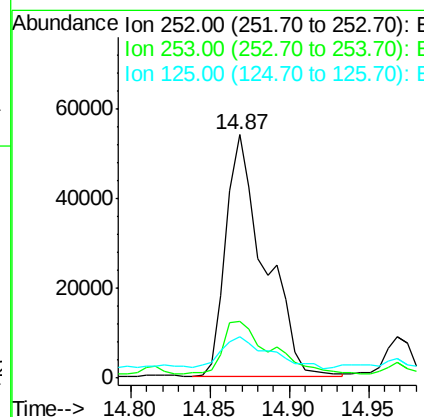
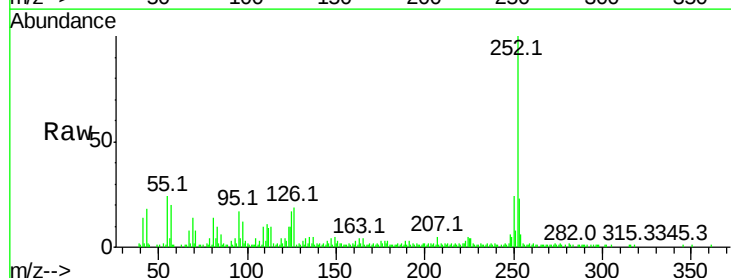
Instrument :
BNA_F
ClientSampleId :

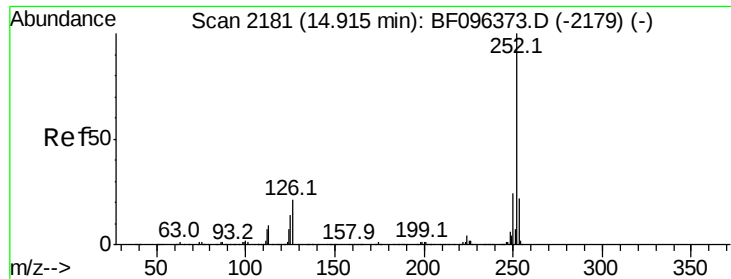
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	20.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 8.50 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.8	9.8	14.8#

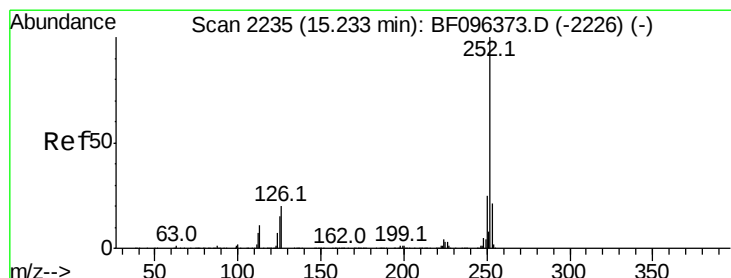
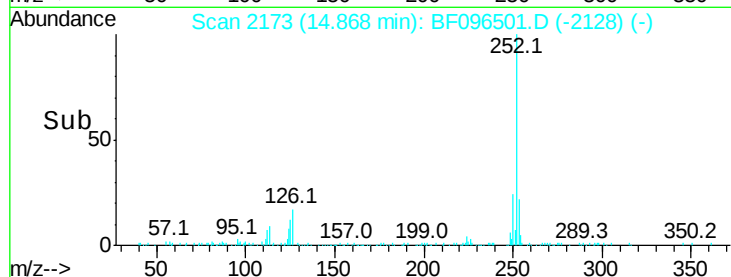
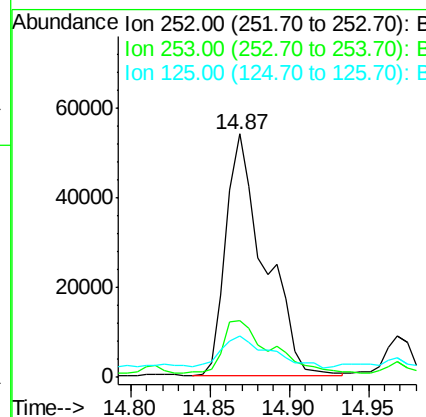
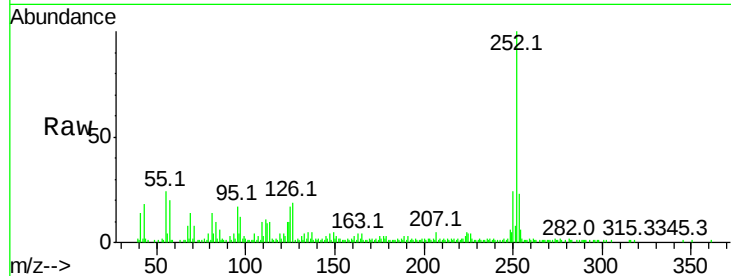




#88
Benzo(k)fluoranthene
Concen: 9.50 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

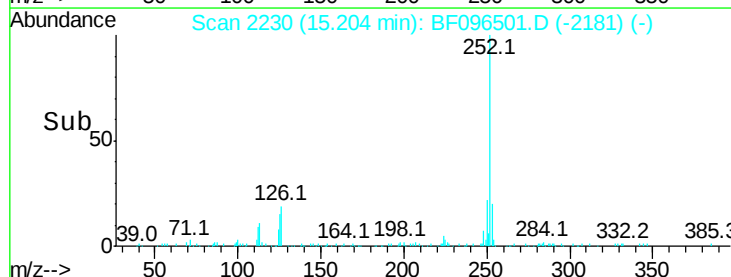
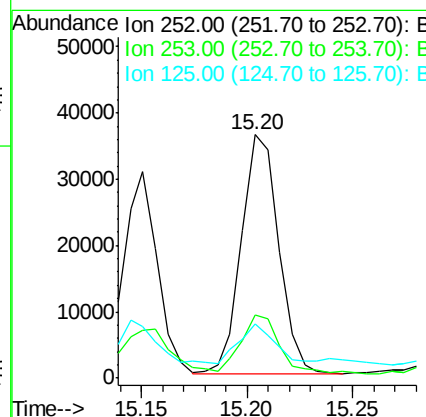
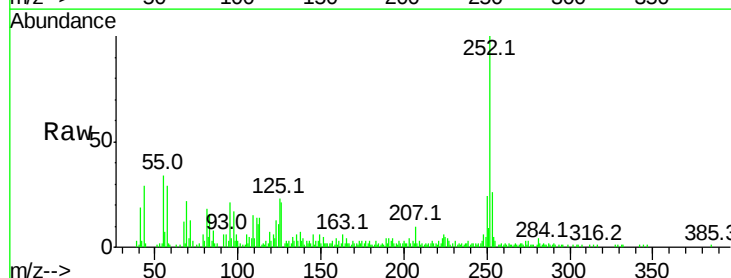
Instrument :
BNA_F
ClientSampleId :

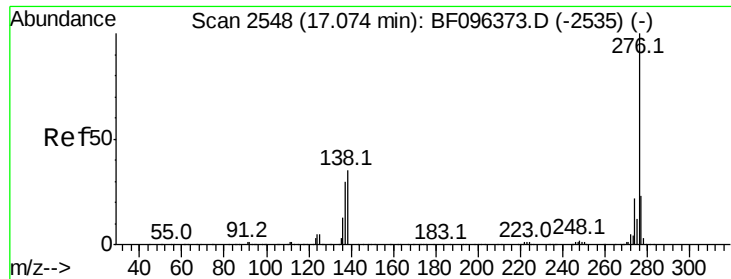
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.63 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	22.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.25 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 25411
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.6 28.0
 138 33.1 25.4 38.0

