

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096519.D
 Acq On : 6 Jul 2017 8:24
 Operator : SJ/MA
 Sample : I3975-11
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B8-6-8

Quant Time: Jul 06 11:22:15 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

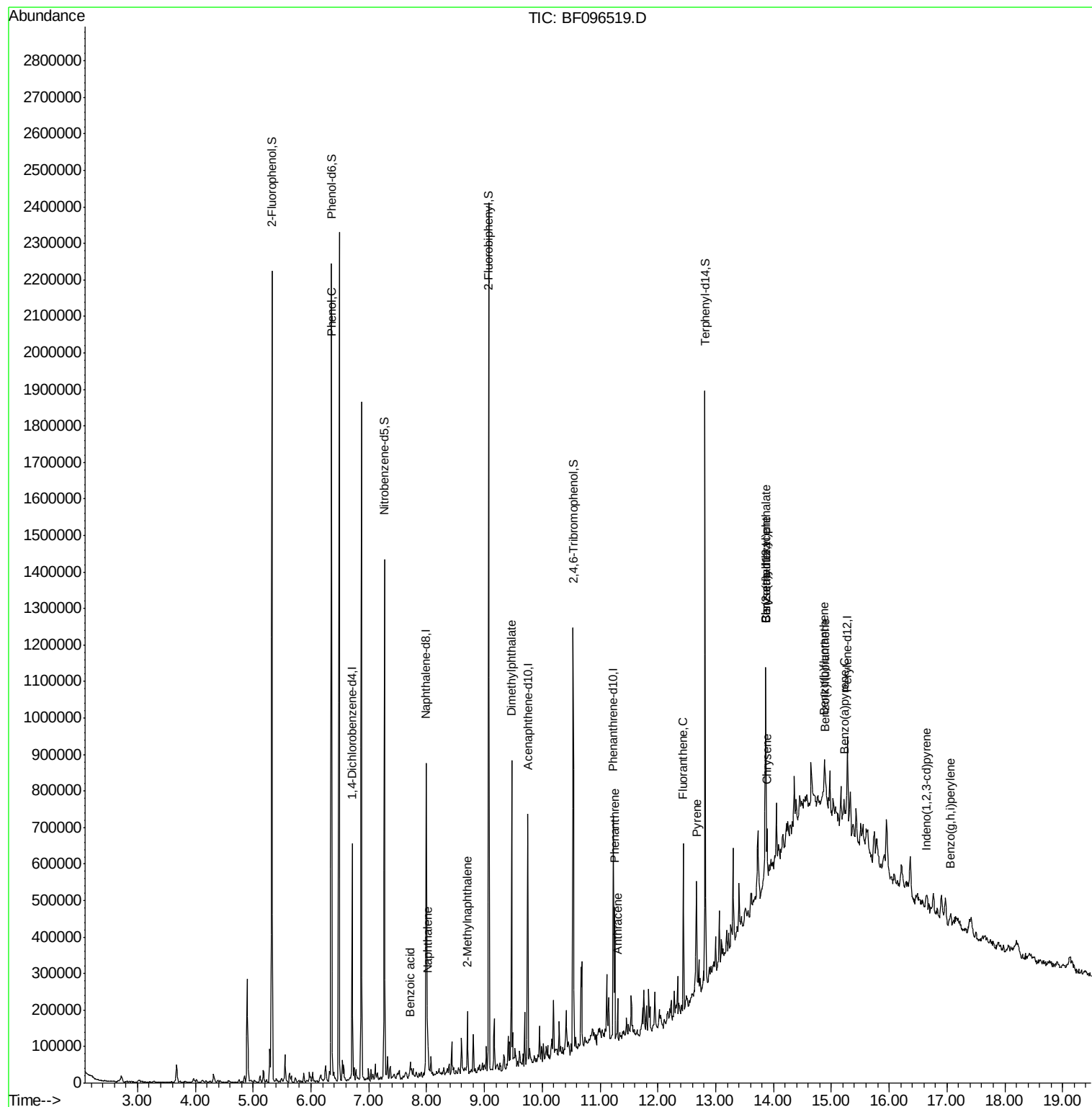
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	97268	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	359631	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	131697	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	216071	20.00	ng	0.00
75) Chrysene-d12	13.86	240	166784	20.00	ng	0.00
86) Perylene-d12	15.28	264	107795	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	656828	99.67	ng	0.00
7) Phenol-d6	6.35	99	773291	95.45	ng	0.00
23) Nitrobenzene-d5	7.27	82	407972	68.17	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	115577	112.35	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	692690	89.93	ng	0.00
78) Terphenyl-d14	12.82	244	497637	63.76	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.36	94	23693	2.57	ng	95
31) Naphthalene	8.02	128	52779	3.11	ng	98
32) Benzoic acid	7.72	122	10775	2.27	ng	89
37) 2-Methylnaphthalene	8.71	142	40864	3.78	ng	98
49) Dimethylphthalate	9.47	163	307912	31.32	ng	98
70) Phenanthrene	11.25	178	125978	10.79	ng	99
71) Anthracene	11.30	178	37433	3.14	ng	98
74) Fluoranthene	12.44	202	158851	13.87	ng	98
77) Pyrene	12.67	202	133952	10.01	ng	98
80) Benzo(a)anthracene	13.86	228	59086	6.12	ng	95
82) Chrysene	13.89	228	64576m	6.38	ng	
83) Bis(2-ethylhexyl)phthalate	13.86	149	20857m	2.76	ng	
85) Indeno(1,2,3-cd)pyrene	16.64	276	18184	2.28	ng	97
87) Benzo(b)fluoranthene	14.88	252	58183m	8.61	ng	
88) Benzo(k)fluoranthene	14.90	252	16964m	2.81	ng	
89) Benzo(a)pyrene	15.22	252	28089	4.66	ng	# 62
91) Benzo(a,h,i)perylene	17.06	276	17459	3.55	ng	# 87

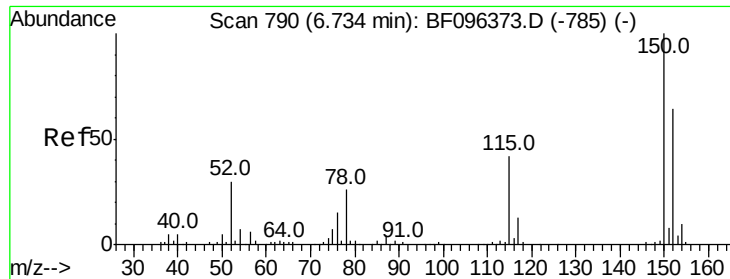
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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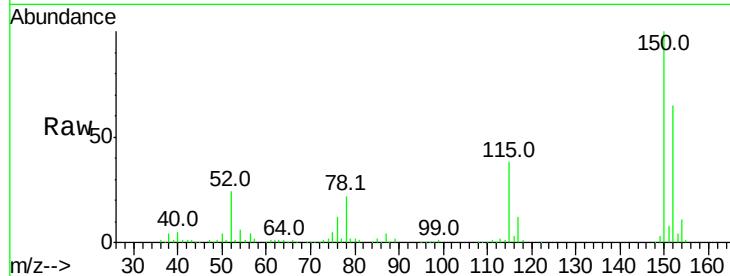


#1

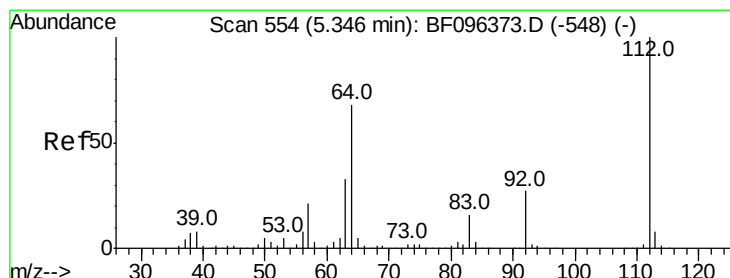
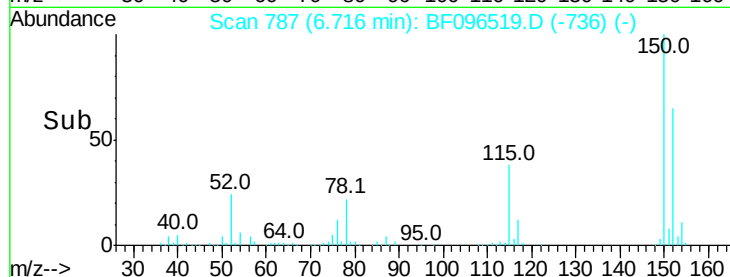
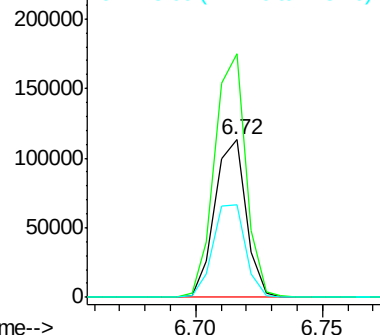
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Instrument :
BNA_F
ClientSampleId :
B8-6-8

Tot Ion:152 Resp: 97268
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 59.0 52.2 78.2



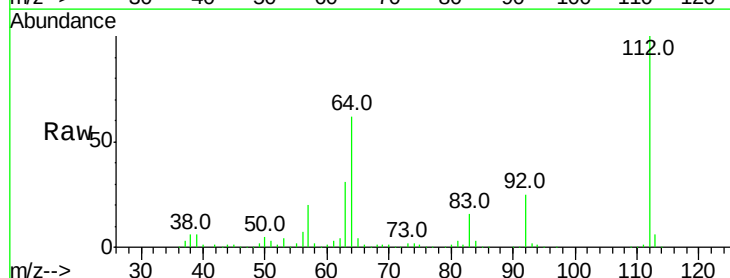
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



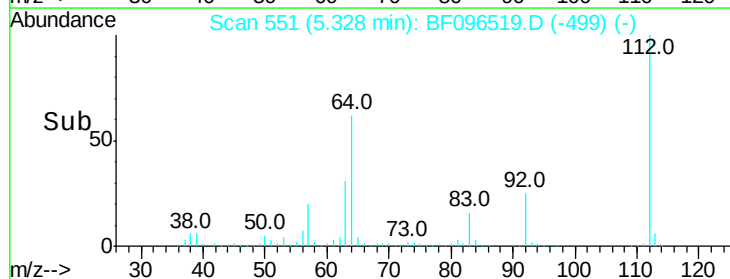
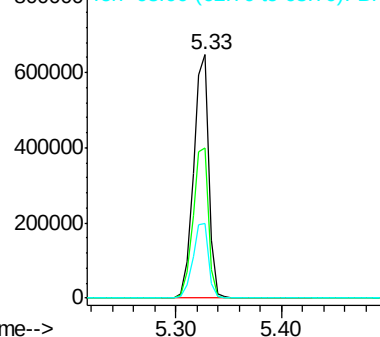
#5

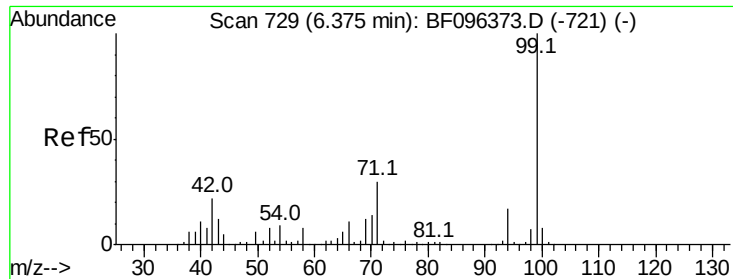
2-Fluorophenol
Concen: 99.67 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Tgt Ion:112 Resp: 656828
Ion Ratio Lower Upper
112 100
64 61.7 46.0 69.0
63 30.8 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: 95.45 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

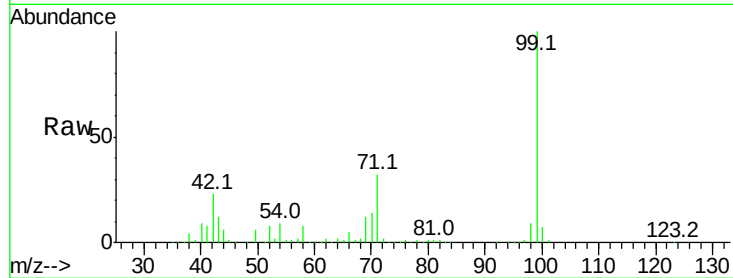
Tot Ion: 99 Resp: 773291

Ion Ratio Lower Upper

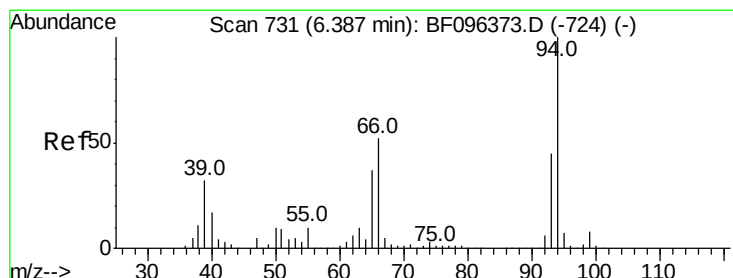
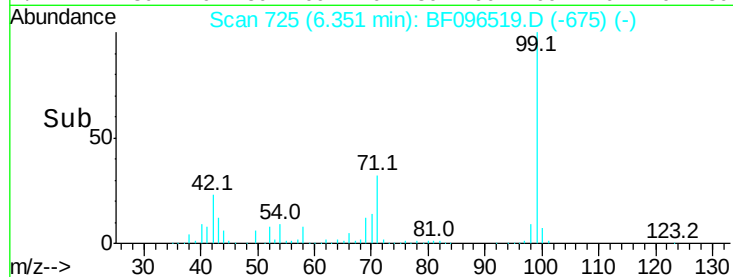
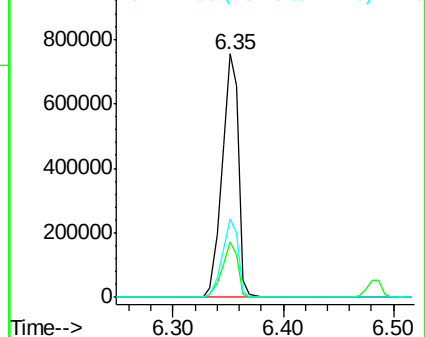
99 100

42 22.7 13.5 20.3#

71 32.3 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



#10

Phenol

Concen: 2.57 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

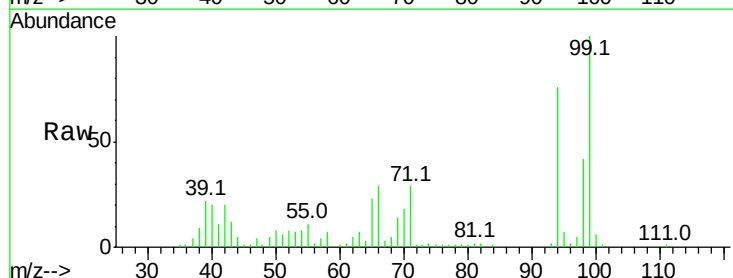
Tgt Ion: 94 Resp: 23693

Ion Ratio Lower Upper

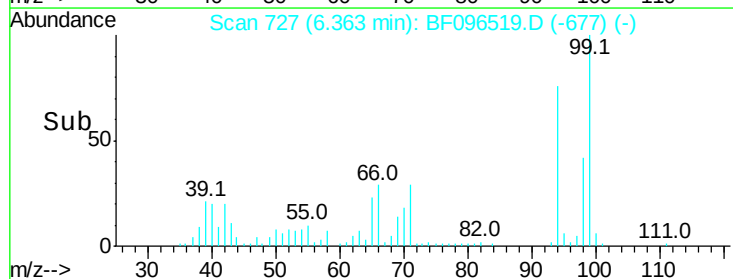
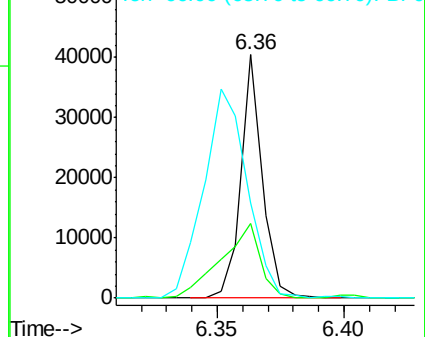
94 100

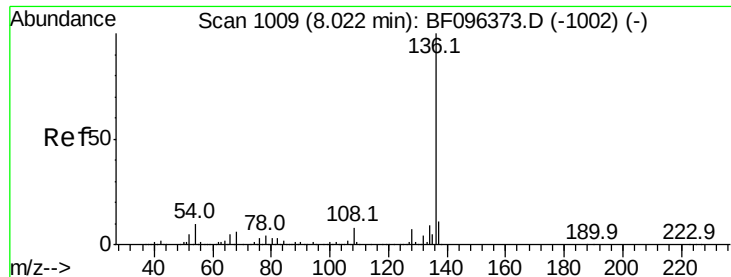
65 30.7 9.9 49.9

66 38.8 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

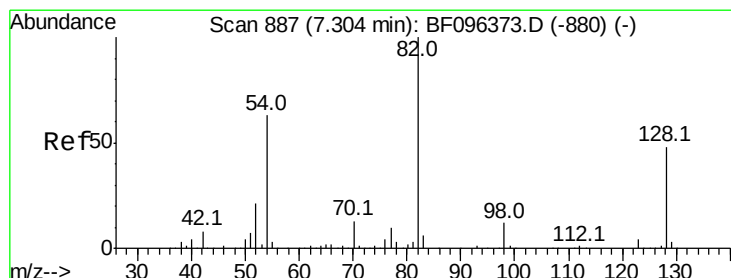
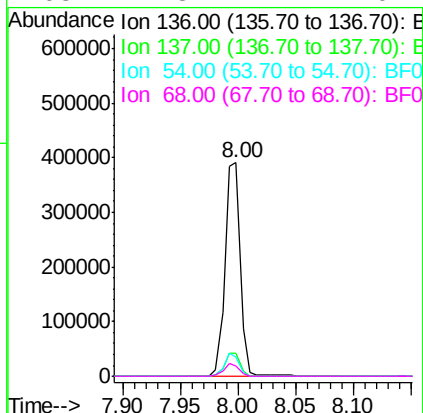
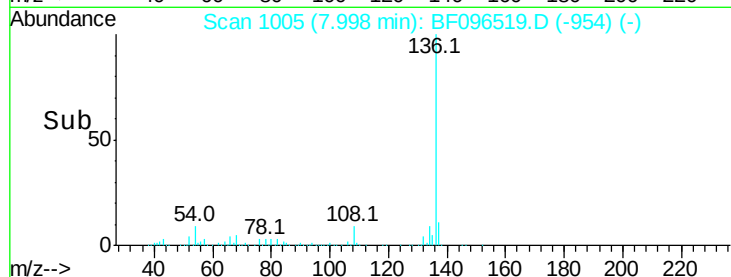
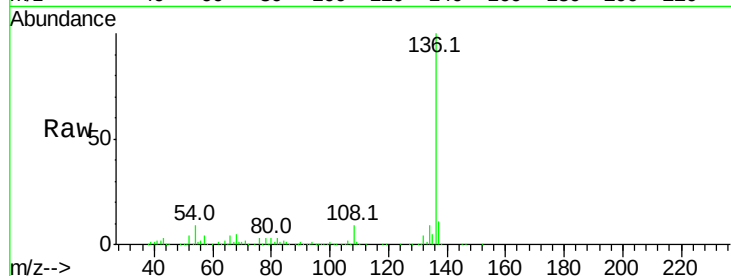




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

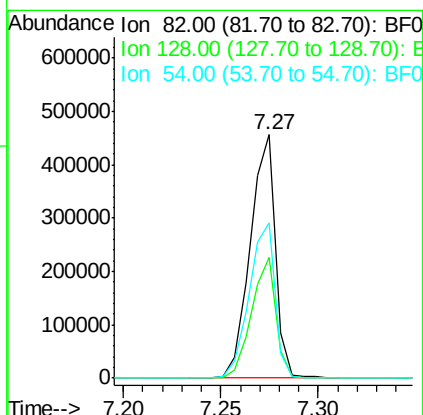
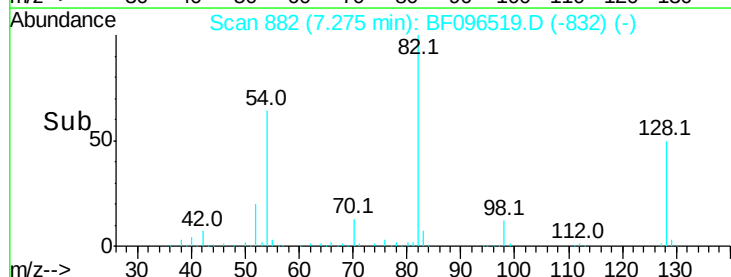
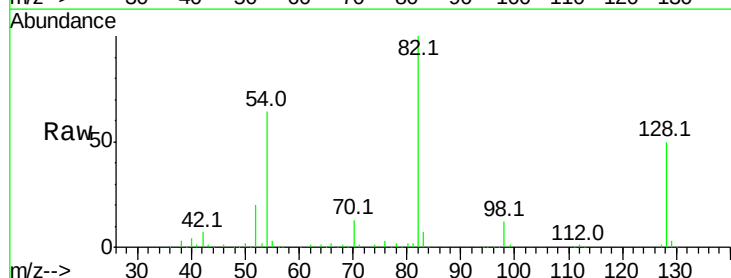
Instrument :
BNA_F
ClientSampleId :
B8-6-8

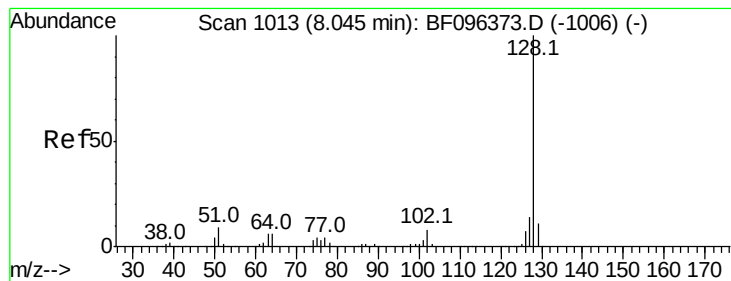
Tot Ion:	136	Resp:	359631
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.2	4.9	7.3#
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.17 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Tgt Ion:	82	Resp:	407972
Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	64.0	42.2	63.2#





#31

Naphthalene

Concen: 3.11 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

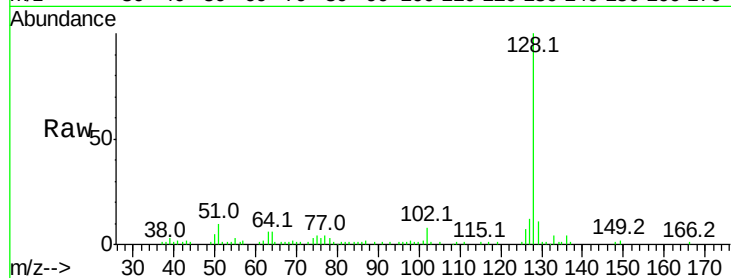
Tot Ion:128 Resp: 52779

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

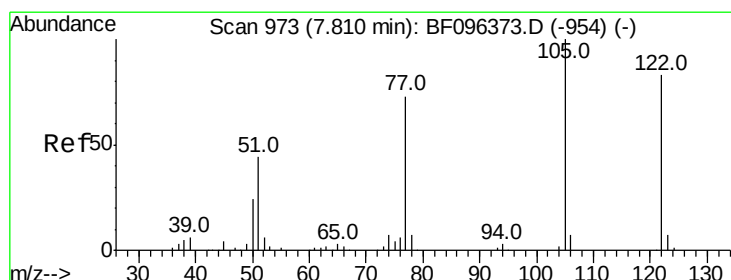
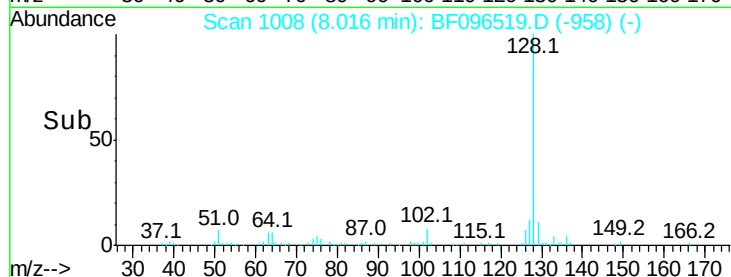
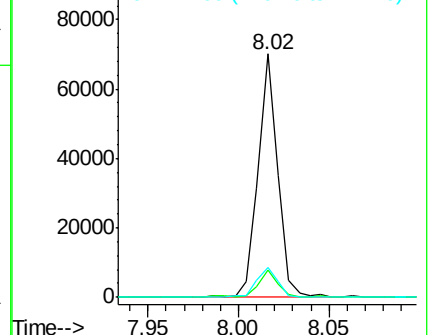
127 12.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.27 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.08 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

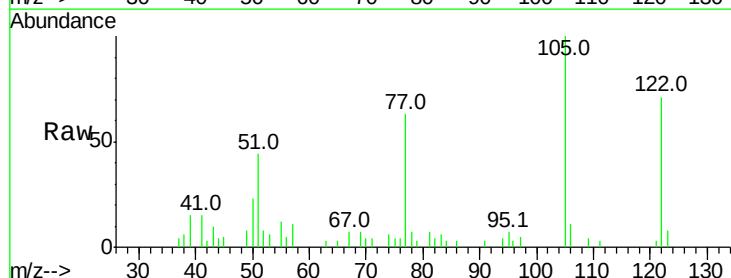
Tgt Ion:122 Resp: 10775

Ion Ratio Lower Upper

122 100

105 141.6 103.3 143.3

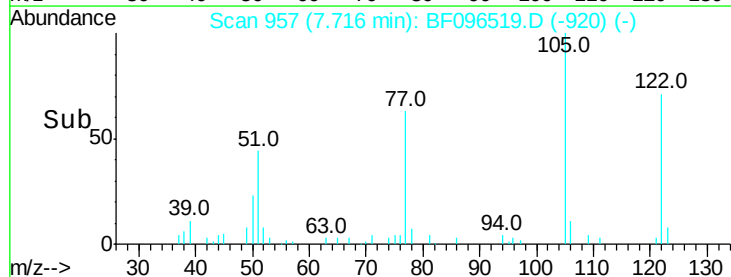
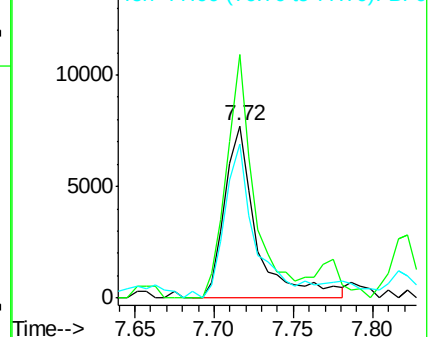
77 89.2 73.7 113.7

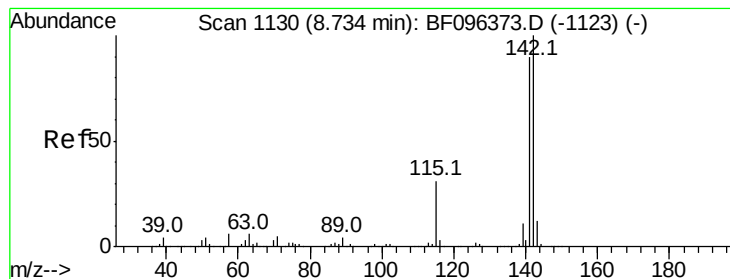


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 3.78 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

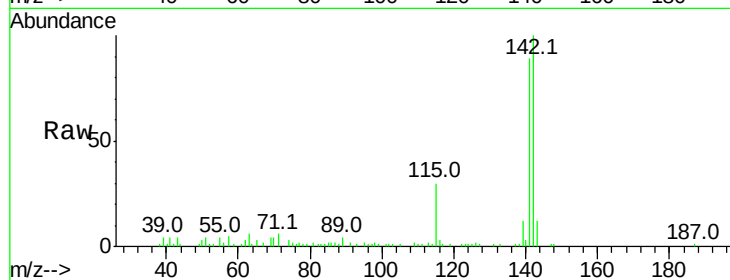
Tot Ion:142 Resp: 40864

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

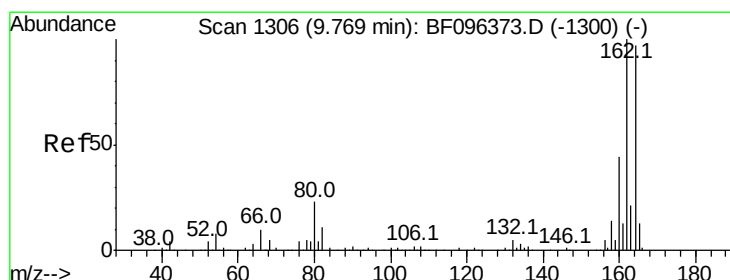
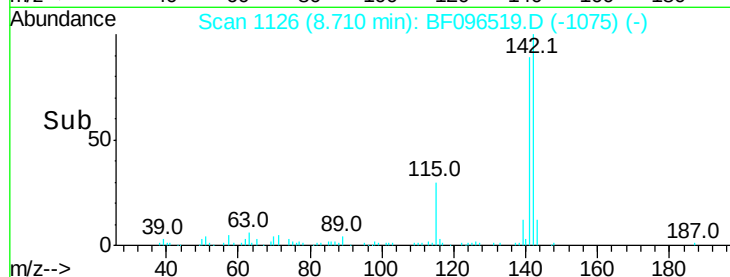
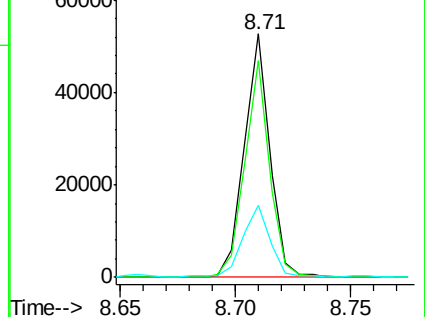
115 29.8 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

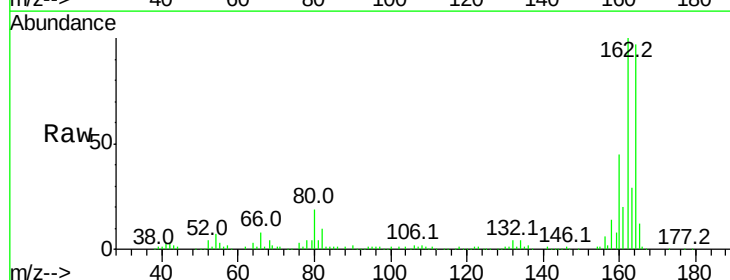
Tgt Ion:164 Resp: 131697

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

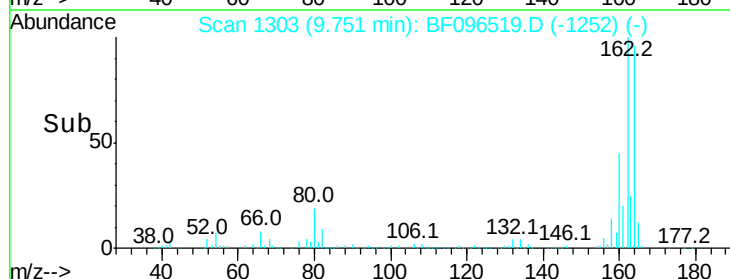
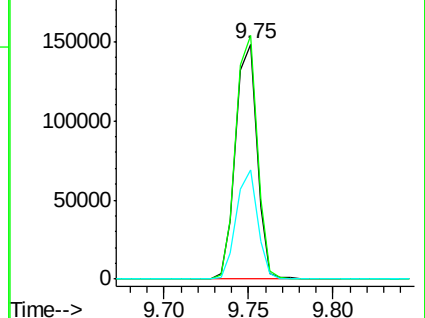
160 46.7 36.2 54.2

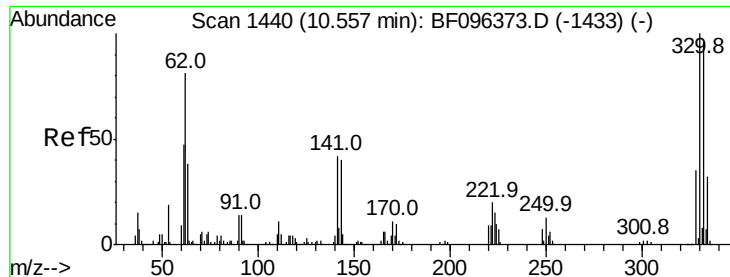


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

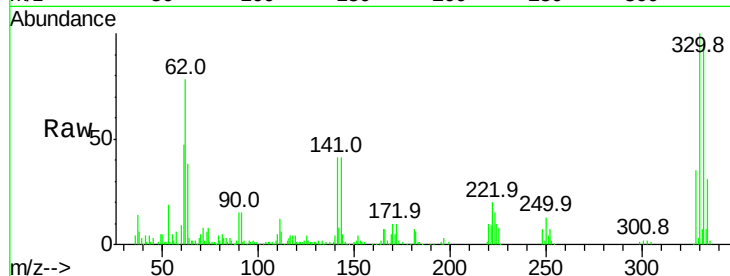




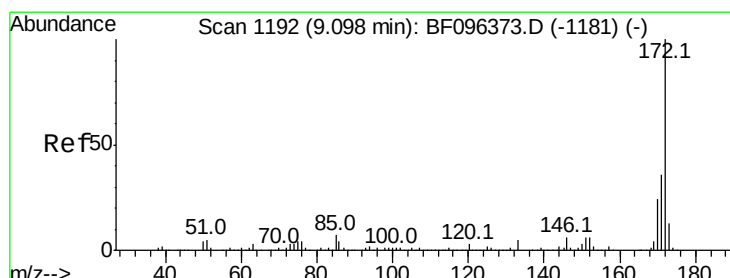
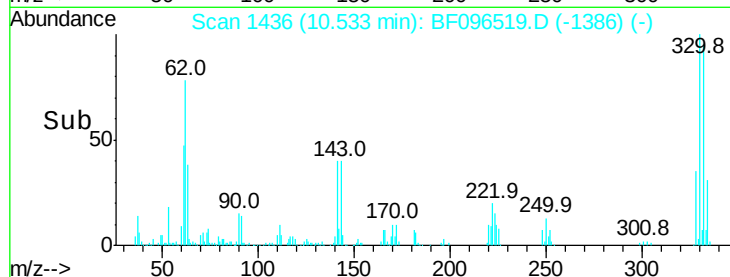
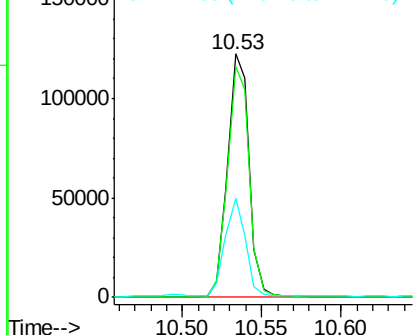
#41
 2,4,6-Tribromophenol
 Concen: 112.35 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096519.D
 Acq: 6 Jul 2017 8:24

Instrument :
 BNA_F
 ClientSampleId :
 B8-6-8

Tot Ion:330 Resp: 115577
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 37.8 31.4 47.2

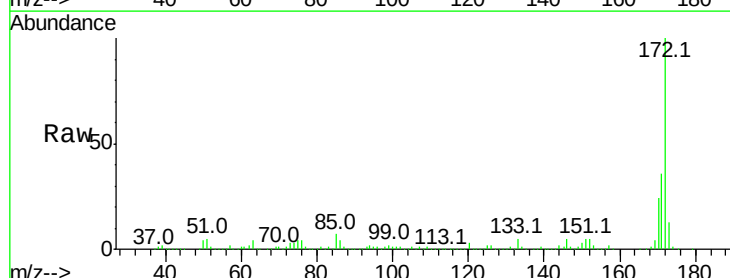


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

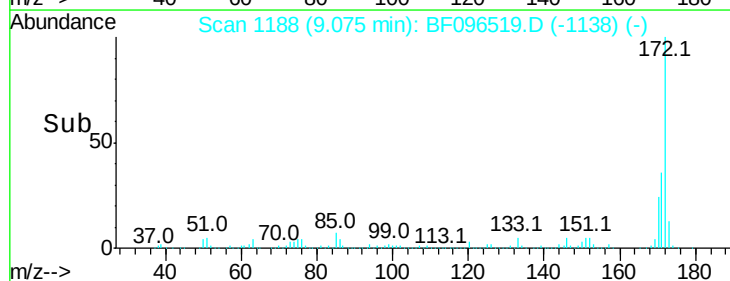
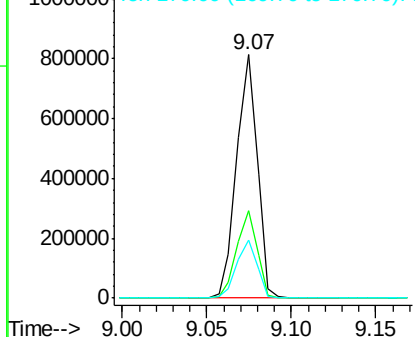


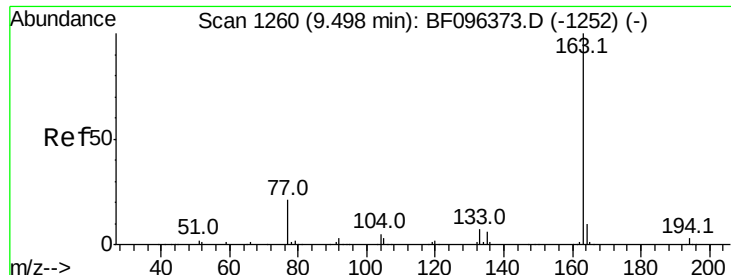
#44
 2-Fluorobiphenyl
 Concen: 89.93 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096519.D
 Acq: 6 Jul 2017 8:24

Tgt Ion:172 Resp: 692690
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.8 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

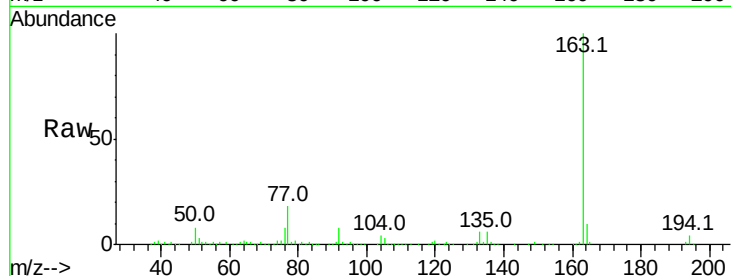




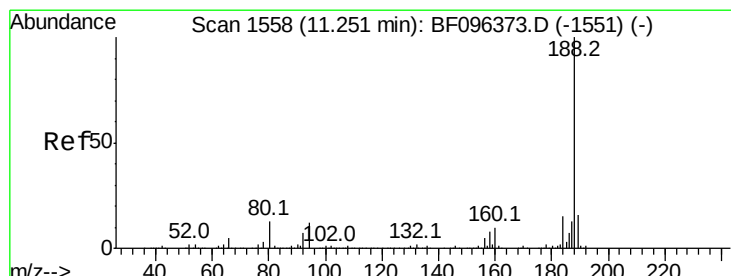
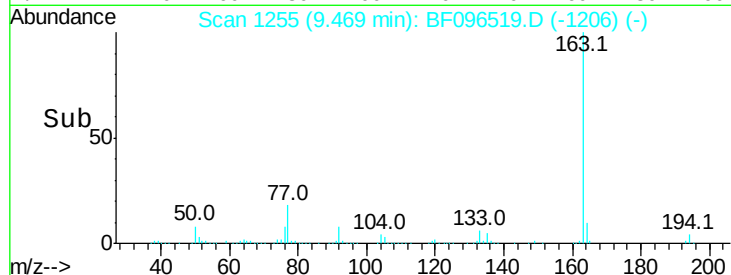
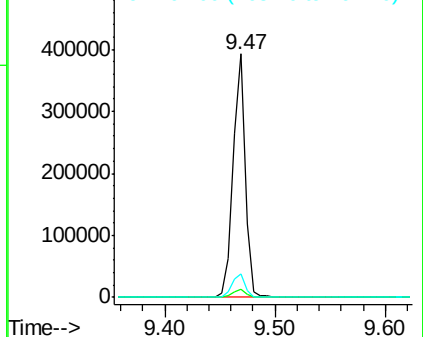
#49
Dimethylphthalate
Concen: 31.32 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Instrument :
BNA_F
ClientSampled :
B8-6-8

Tot Ion:163 Resp: 307912
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 8.4 12.6

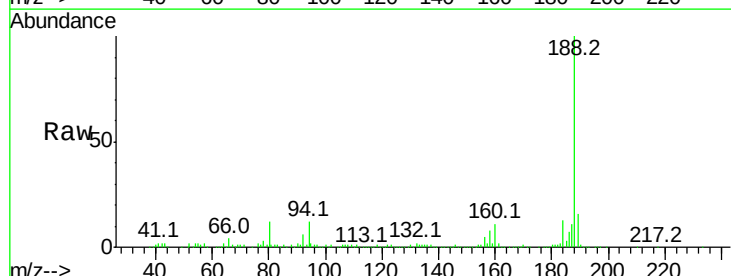


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

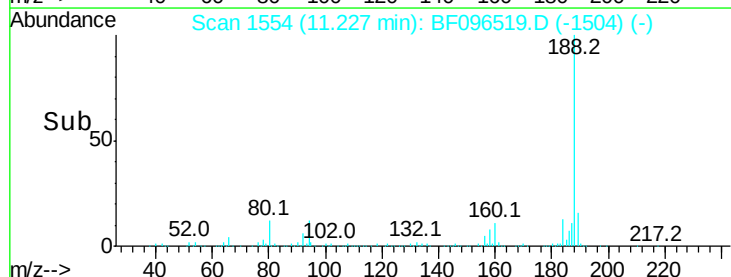
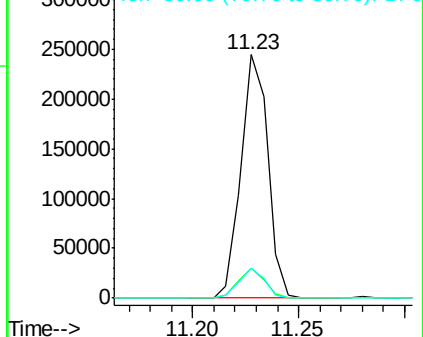


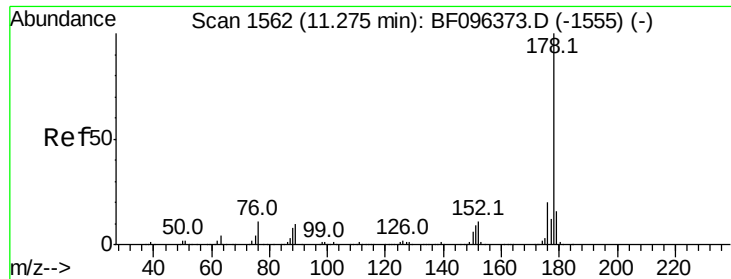
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Tgt Ion:188 Resp: 216071
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.4 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: 10.79 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

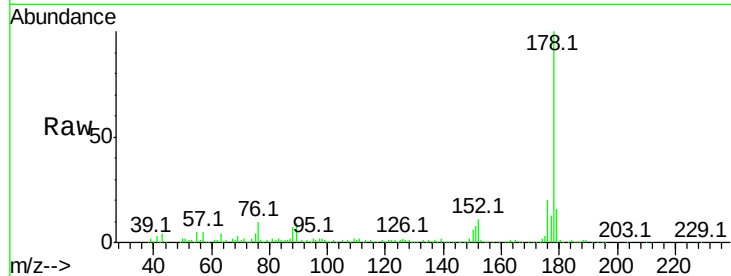
Tot Ion:178 Resp: 125978

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

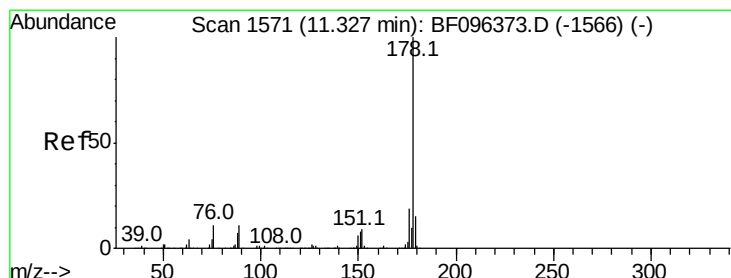
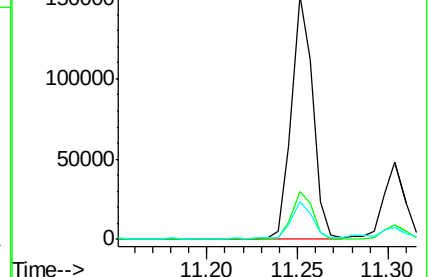
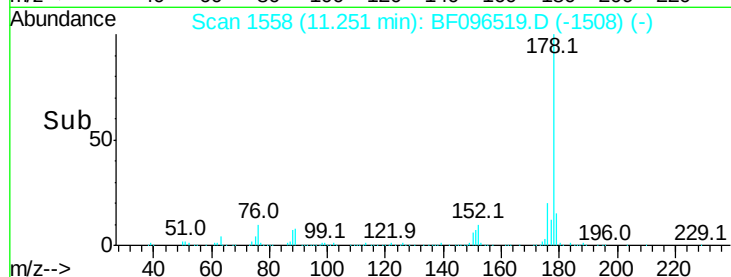
179 15.5 12.6 19.0



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: 3.14 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

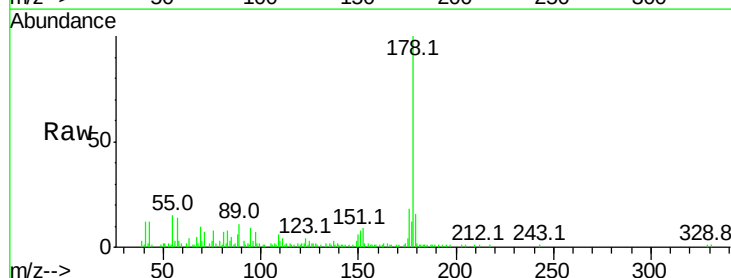
Tgt Ion:178 Resp: 37433

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

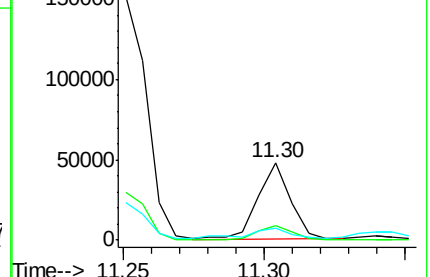
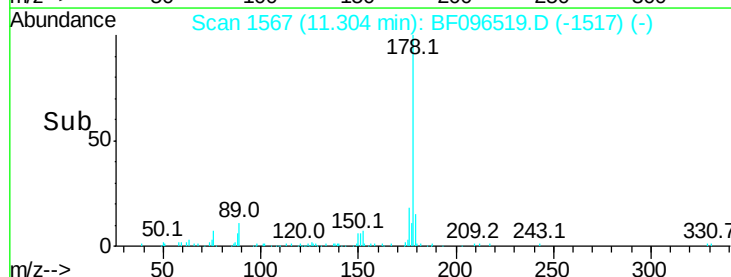
179 15.9 12.7 19.1

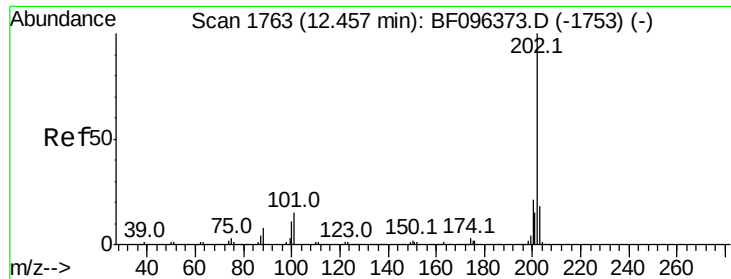


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.87 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

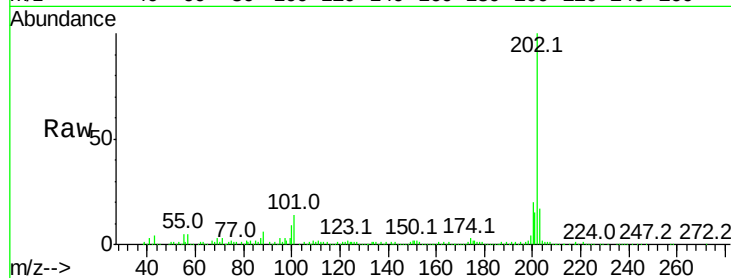
Tot Ion:202 Resp: 158851

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

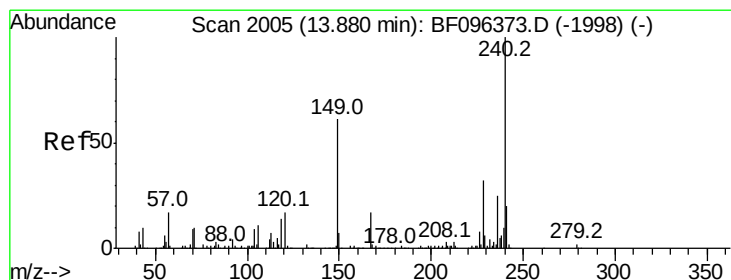
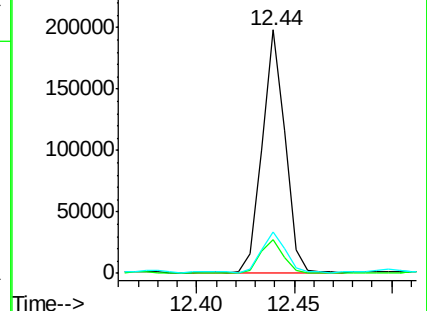
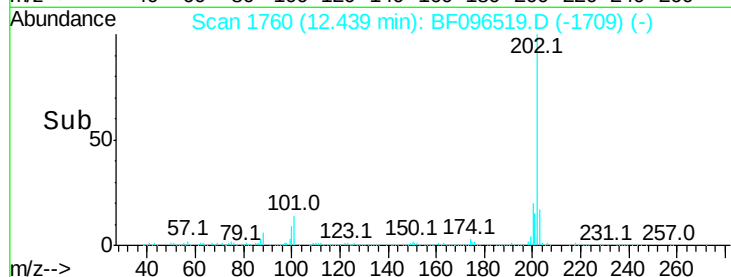
203 17.1 0.0 38.1



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: BF096519.D

Acq: 6 Jul 2017 8:24

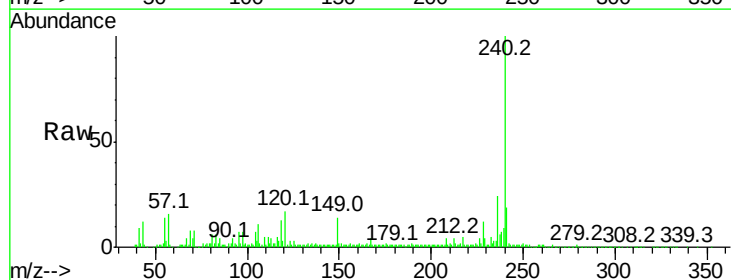
Tgt Ion:240 Resp: 166784

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

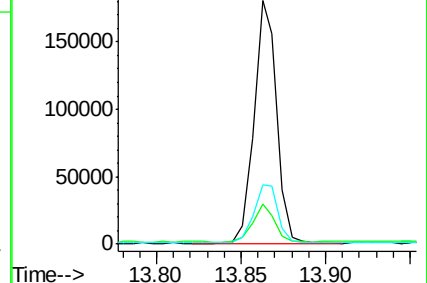
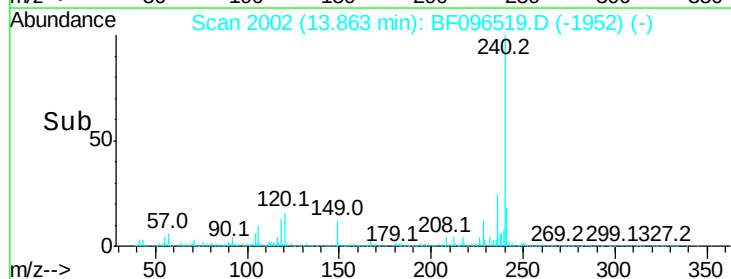
236 24.2 20.5 30.7

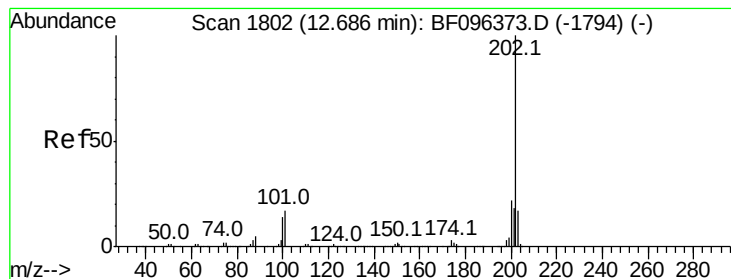


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.01 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

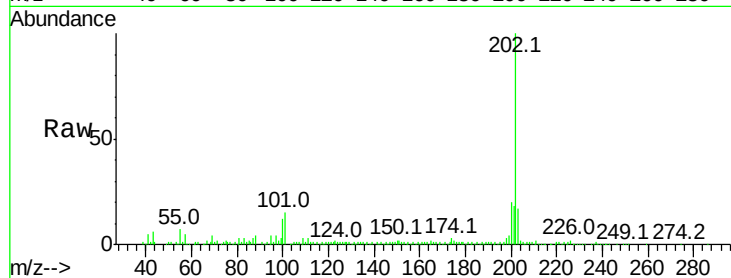
Tot Ion:202 Resp: 133952

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

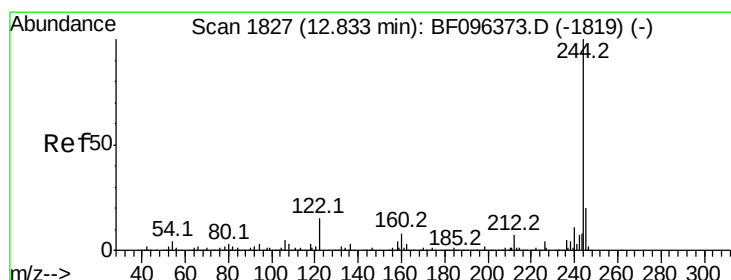
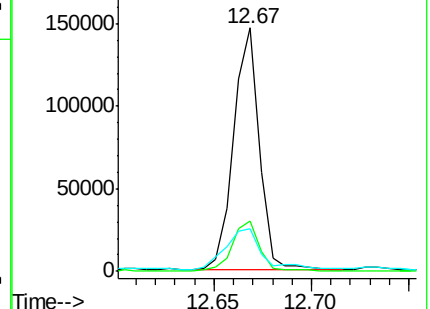
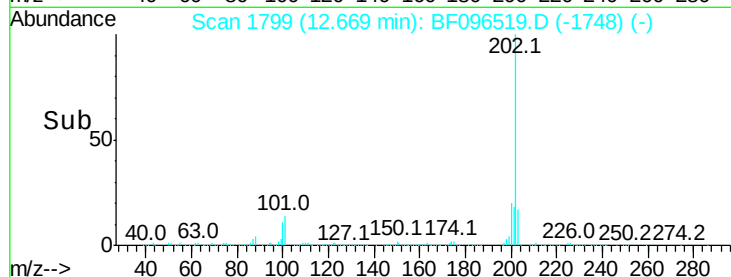
203 17.5 14.4 21.6



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: 63.76 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

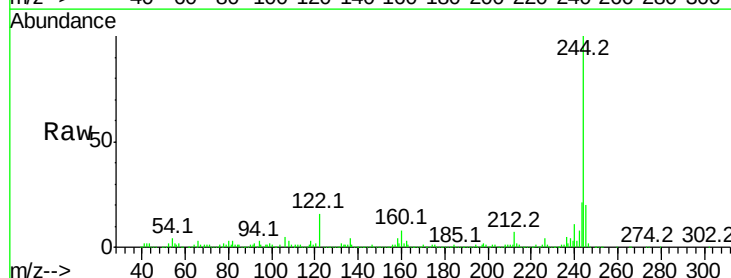
Tgt Ion:244 Resp: 497637

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

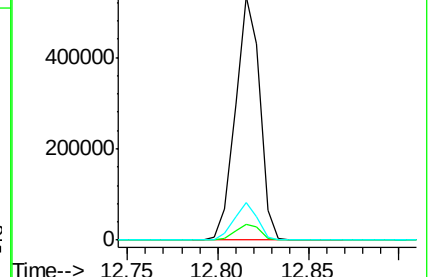
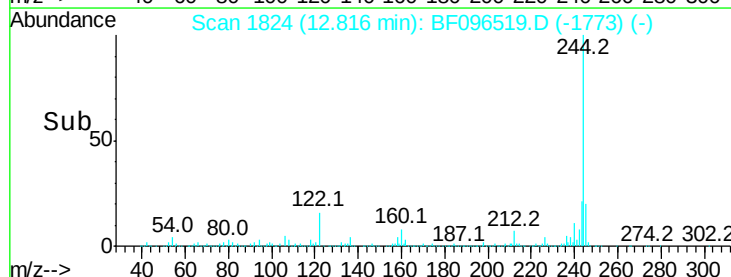
122 15.6 10.3 15.5#

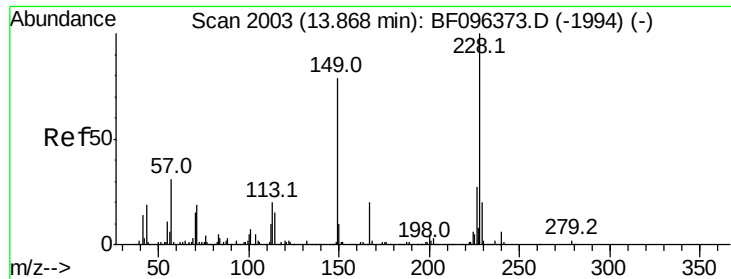


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.12 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

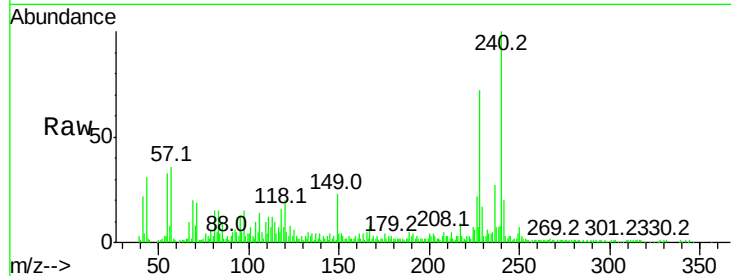
Tot Ion:228 Resp: 59086

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

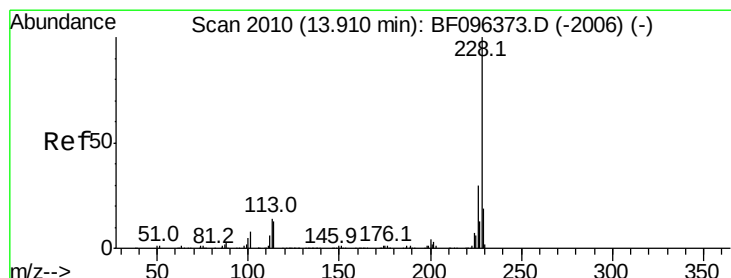
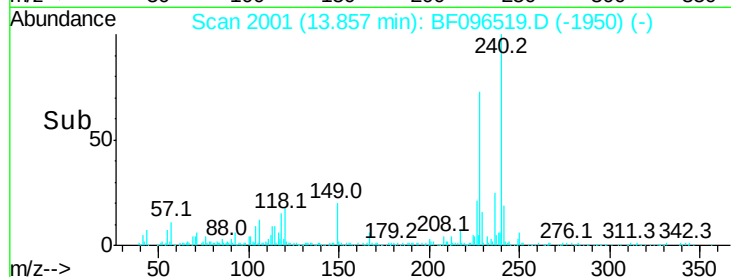
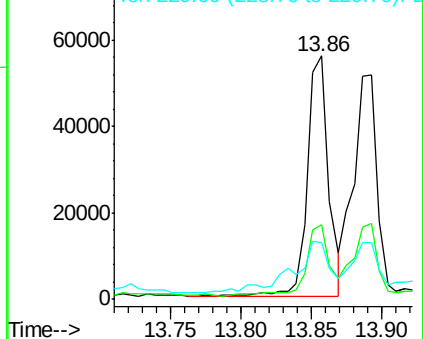
229 23.5 16.3 24.5



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: 6.38 ng m

RT: 13.89 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

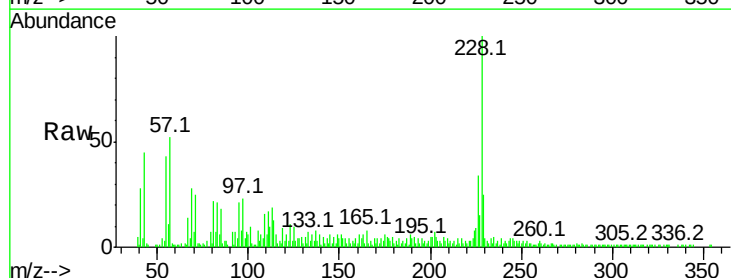
Tgt Ion:228 Resp: 64576

Ion Ratio Lower Upper

228 100

226 34.0 24.9 37.3

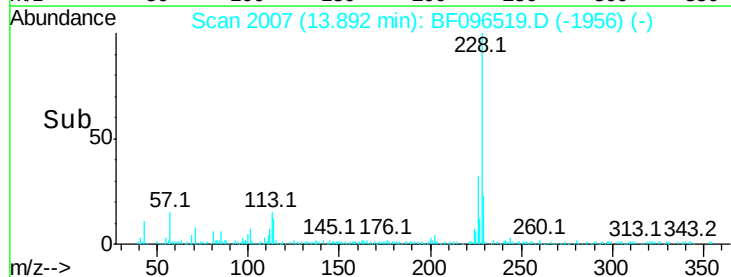
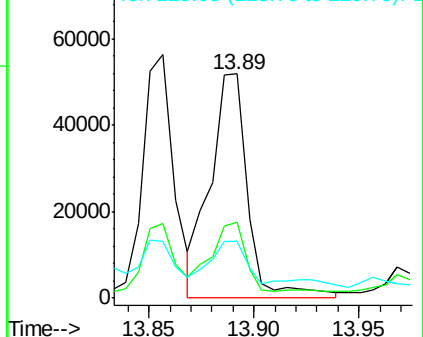
229 25.4 15.8 23.6#

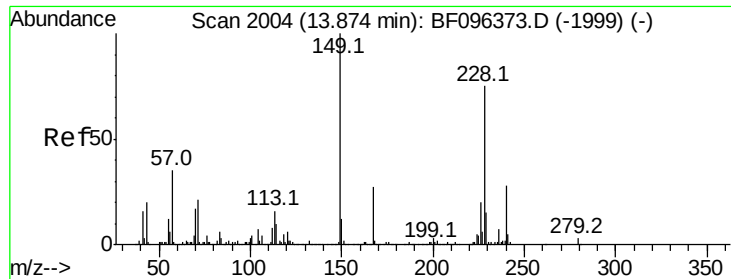


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

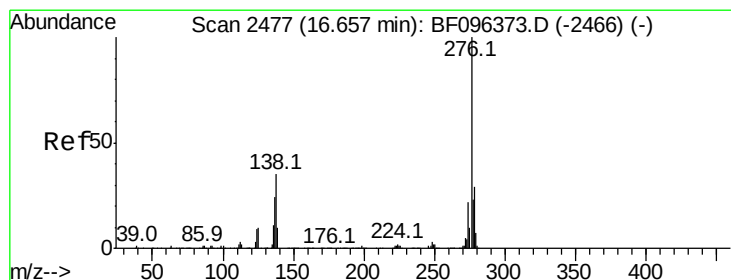
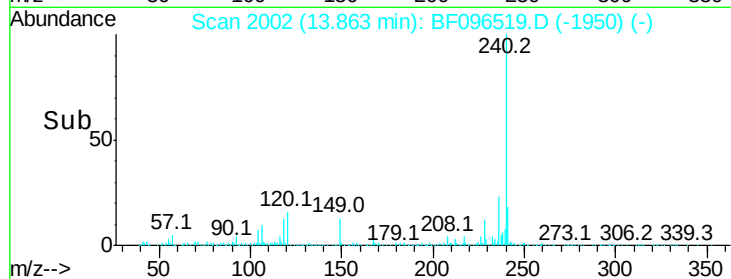
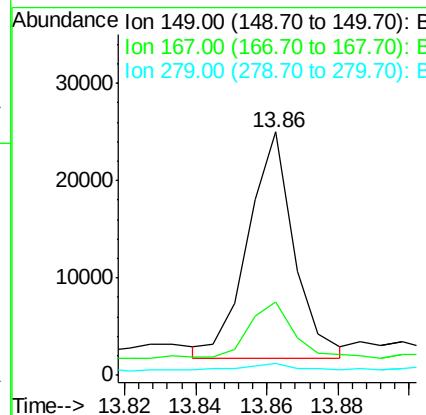
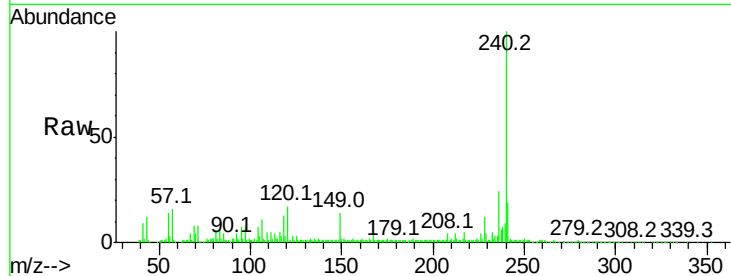




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.76 ng/ml
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF096519.D
 Acq: 6 Jul 2017 8:24

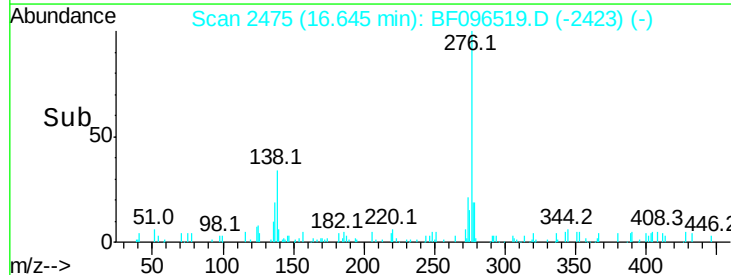
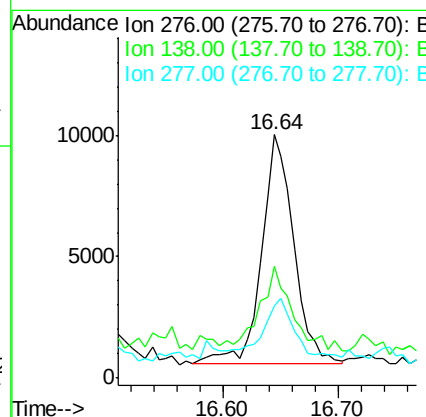
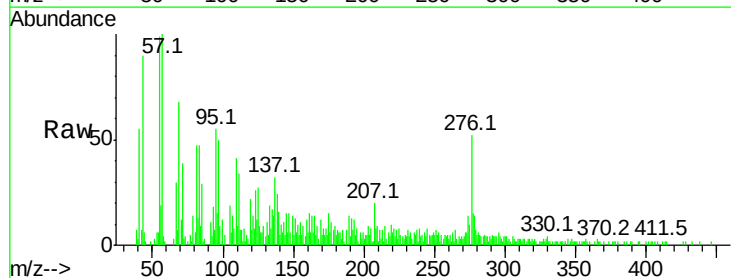
Instrument :
 BNA_F
 ClientSampleId :
 B8-6-8

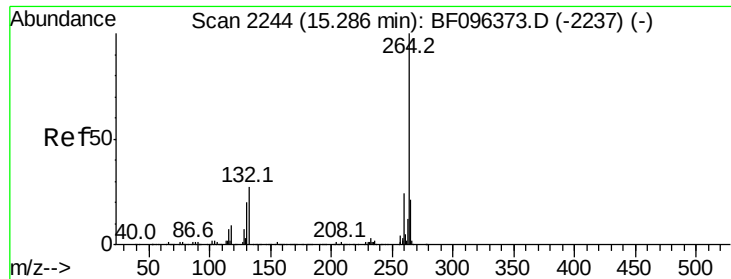
Tot Ion:149 Resp: 20857
 Ion Ratio Lower Upper
 149 100
 167 30.0 21.0 31.4
 279 4.9 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.28 ng
 RT: 16.64 min Scan# 2475
 Delta R.T. 0.01 min
 Lab File: BF096519.D
 Acq: 6 Jul 2017 8:24

Tgt Ion:276 Resp: 18184
 Ion Ratio Lower Upper
 276 100
 138 37.3 27.8 41.6
 277 24.5 20.2 30.4

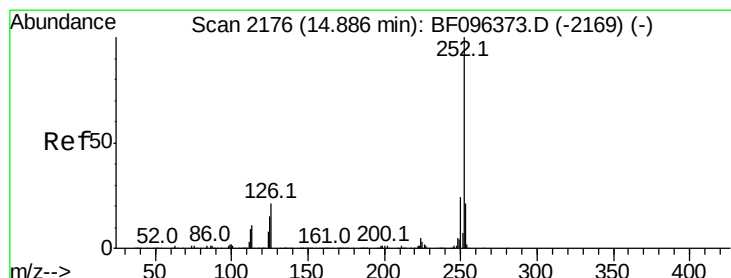
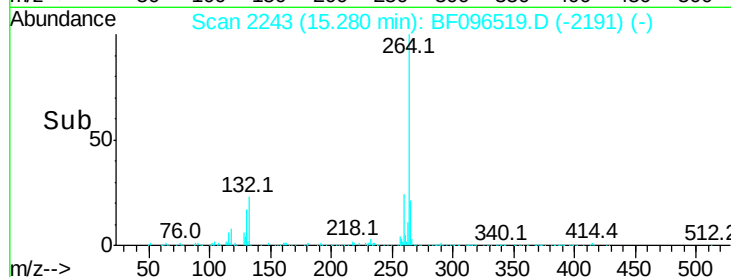
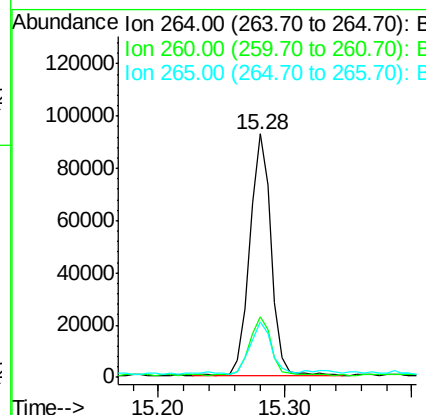
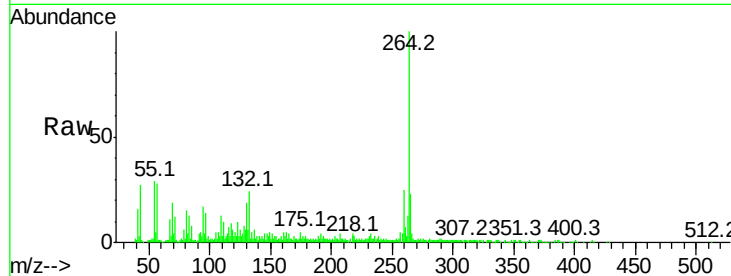




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

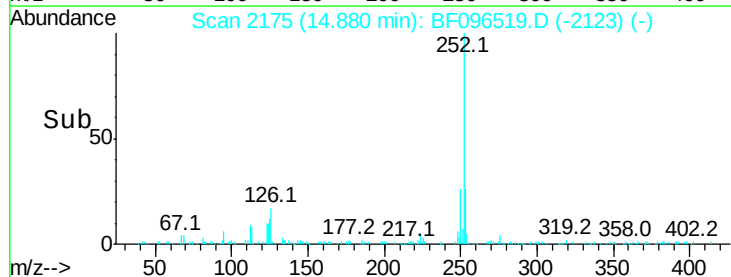
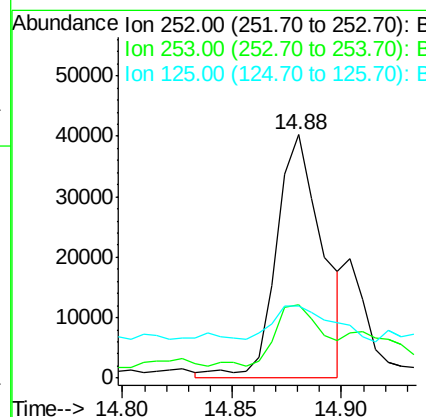
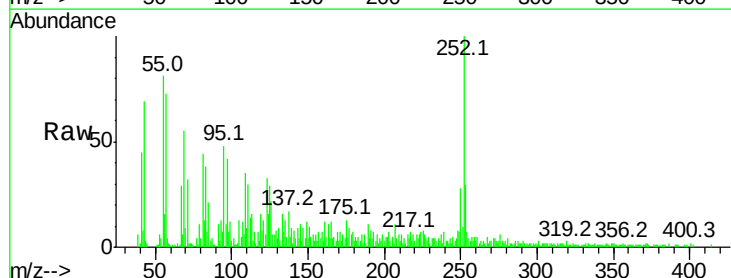
Instrument :
BNA_F
ClientSampleId :
B8-6-8

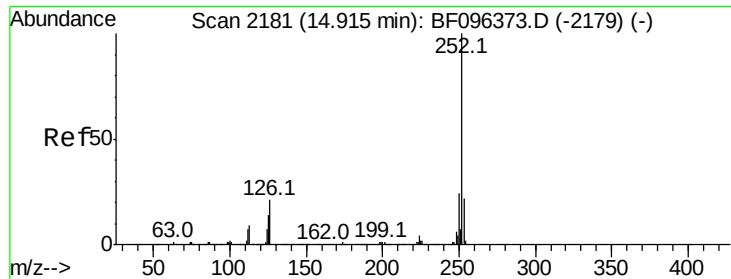
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 8.61 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF096519.D
Acq: 6 Jul 2017 8:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.1	27.1#
125	29.4	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.81 ng/mL

RT: 14.90 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

Client Sample ID :

B8-6-8

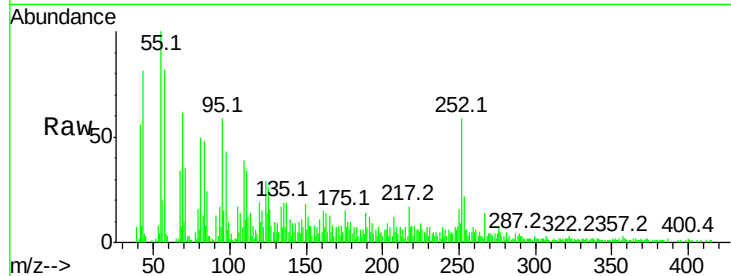
Tot Ion: 252 Resp: 16964

Ion Ratio Lower Upper

252 100

253 37.4 18.4 27.6#

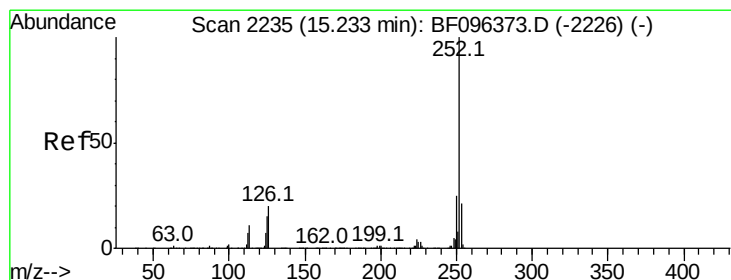
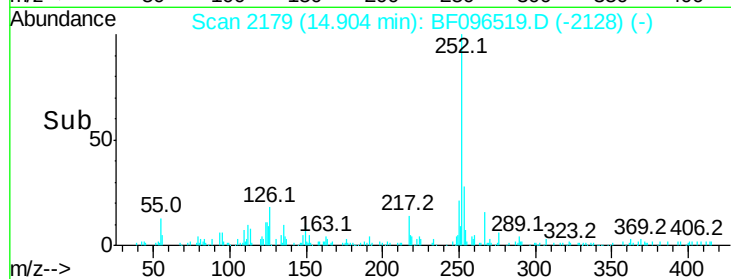
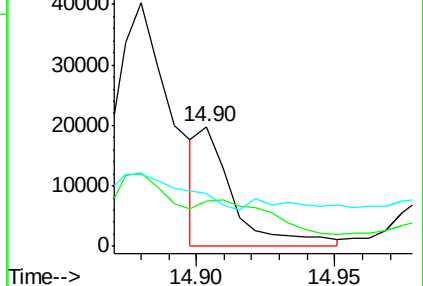
125 44.6 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 4.66 ng/mL

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

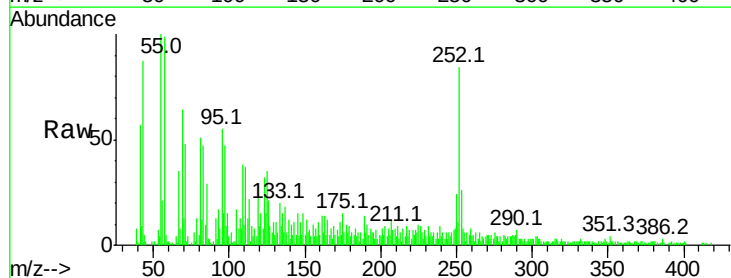
Tgt Ion: 252 Resp: 28089

Ion Ratio Lower Upper

252 100

253 30.7 17.5 26.3#

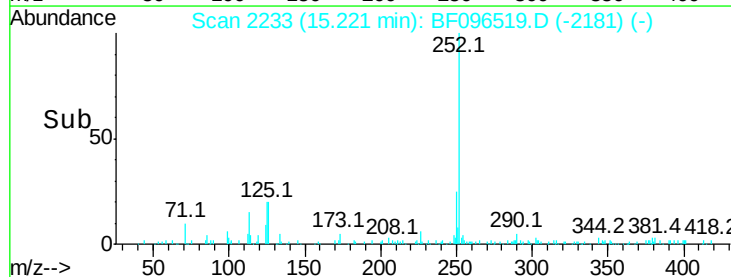
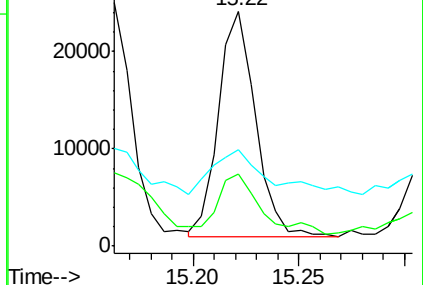
125 41.2 11.0 16.4#

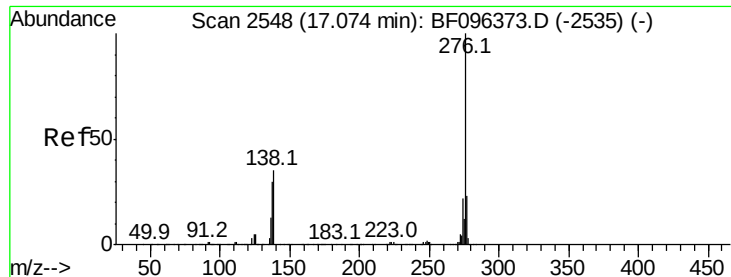


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.55 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF096519.D

Acq: 6 Jul 2017 8:24

Instrument :

BNA_F

ClientSampleId :

B8-6-8

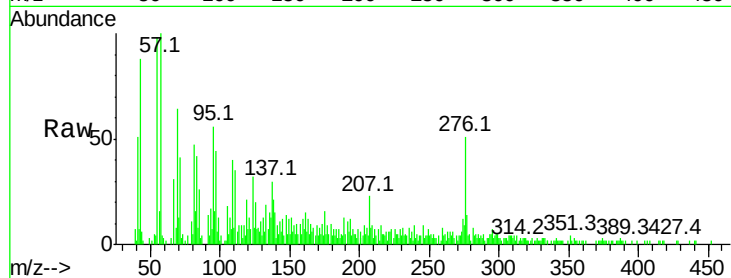
Tot Ion:276 Resp: 17459

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 40.3 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

