

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096581.D
 Acq On : 8 Jul 2017 1:32
 Operator : SJ/MA
 Sample : I4062-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 08 04:13:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

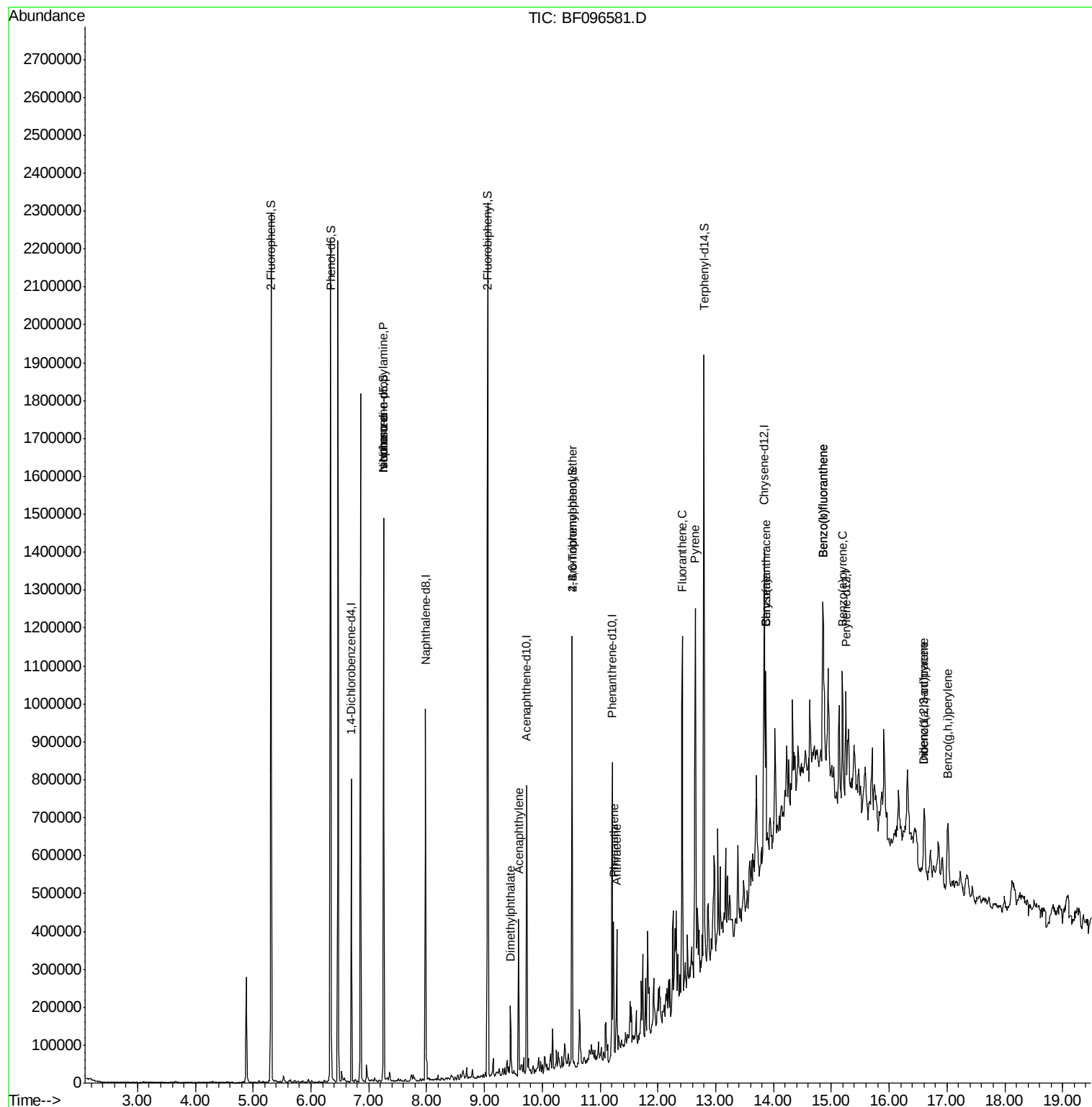
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101677	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	398804	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	155334	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	248965	20.00	ng	0.00
75) Chrysene-d12	13.84	240	188566	20.00	ng	0.00
86) Perylene-d12	15.25	264	123871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	618512	89.78	ng	0.00
7) Phenol-d6	6.34	99	723830	85.47	ng	0.00
23) Nitrobenzene-d5	7.26	82	389744	58.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	113618	93.64	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	661719	72.84	ng	0.00
78) Terphenyl-d14	12.80	244	513444	58.18	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	51661	10.24	ng	# 86
25) Isophorone	7.26	82	385844	29.99	ng	# 67
48) Acenaphthylene	9.59	152	168831	10.74	ng	98
49) Dimethylphthalate	9.45	163	48220	4.16	ng	97
66) 4-Bromophenyl-phenylether	10.52	248	7248	2.99	ng	# 1
70) Phenanthrene	11.23	178	114225	8.49	ng	98
71) Anthracene	11.29	178	127011	9.26	ng	100
74) Fluoranthene	12.42	202	360626	27.33	ng	99
77) Pyrene	12.64	202	433839	28.66	ng	99
80) Benzo(a)anthracene	13.87	228	188556	17.27	ng	95
82) Chrysene	13.87	228	188556	16.49	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	111247	12.32	ng	94
87) Benzo(b)fluoranthene	14.86	252	302015	38.91	ng	# 93
88) Benzo(k)fluoranthene	14.86	252	302015	43.50	ng	97
89) Benzo(a)pyrene	15.19	252	159116	22.96	ng	95
90) Dibenzo(a,h)anthracene	16.61	278	28590	5.24	ng	# 76
91) Benzo(a,h,i)perylene	17.02	276	136885	24.23	ng	98

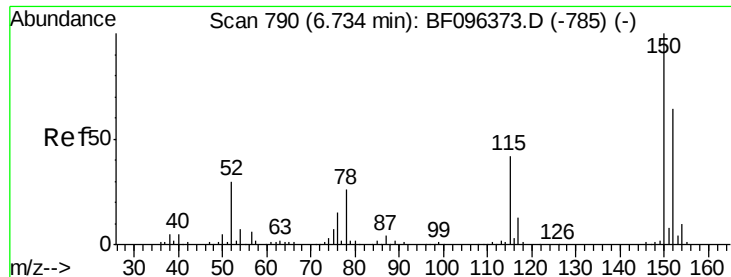
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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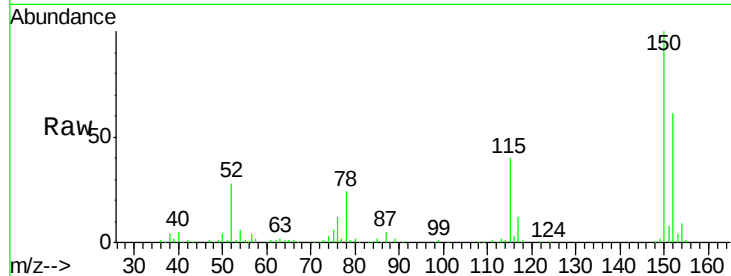


#1

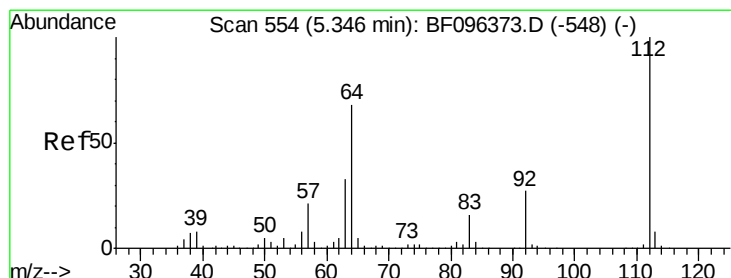
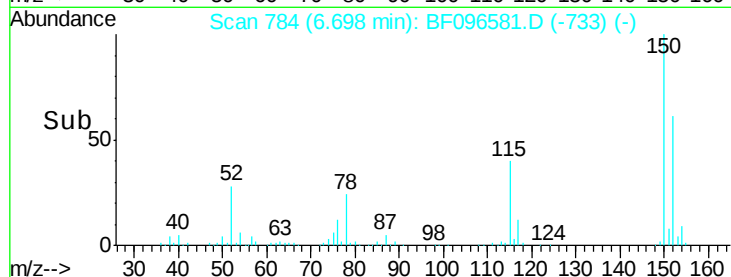
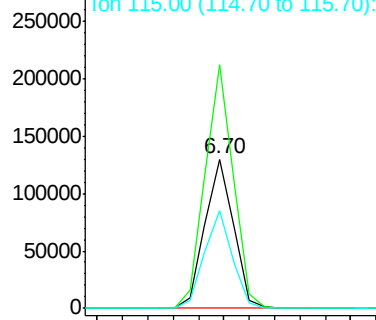
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 101677
Ion Ratio Lower Upper
152 100
150 163.0 126.2 189.2
115 65.1 52.2 78.2



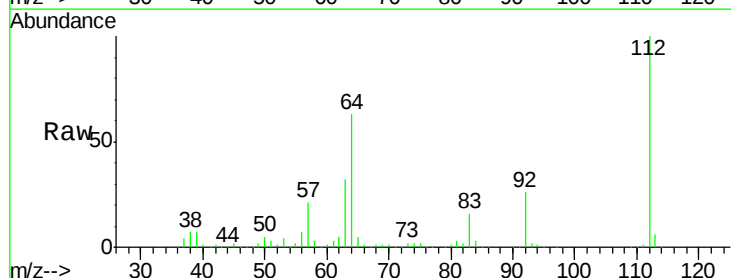
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



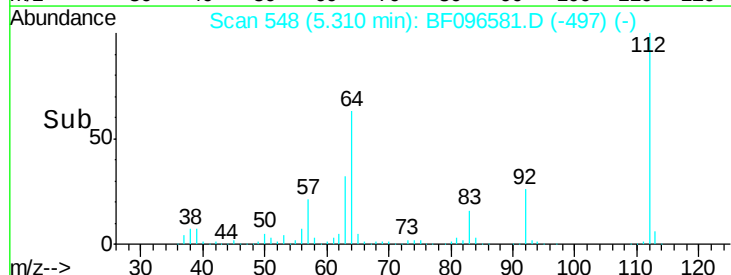
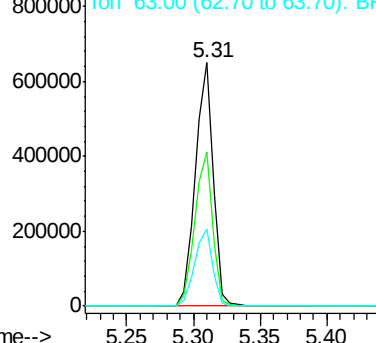
#5

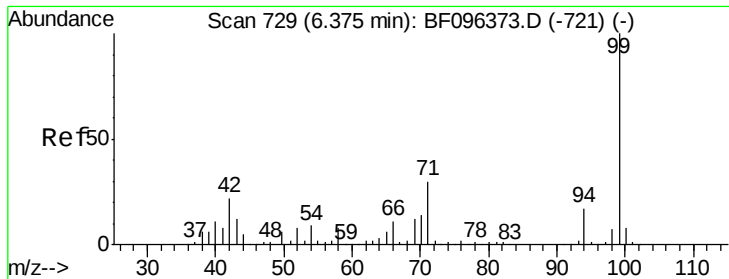
2-Fluorophenol
Concen: 89.78 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:112 Resp: 618512
Ion Ratio Lower Upper
112 100
64 63.3 46.0 69.0
63 31.9 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: 85.47 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampled :

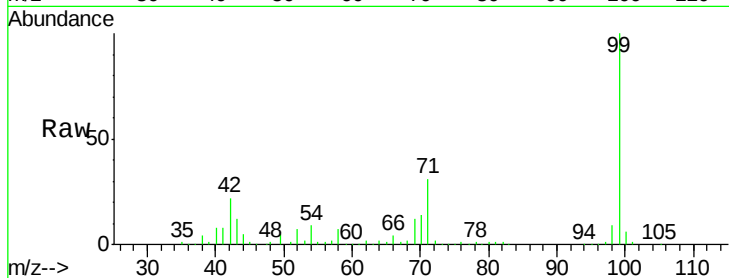
Tot Ion: 99 Resp: 723830

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

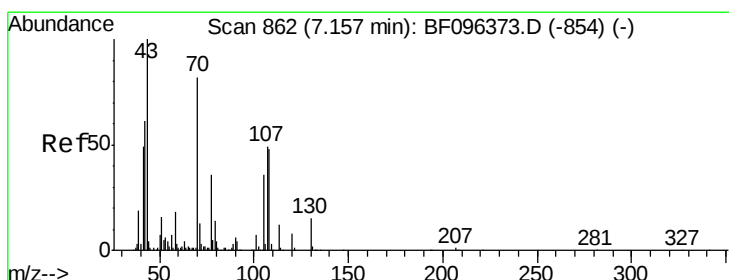
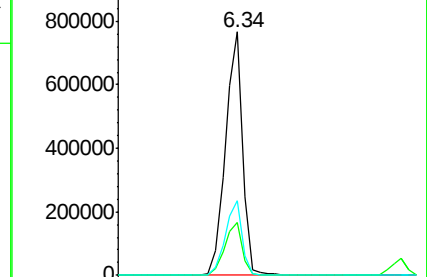
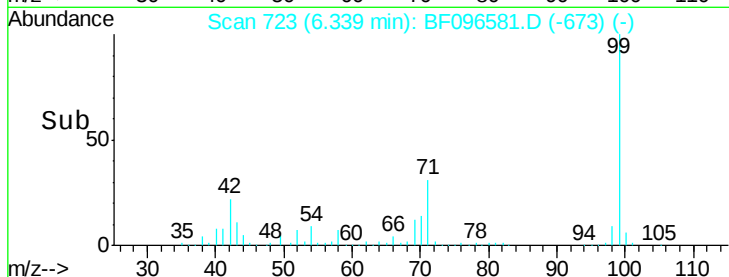
71 30.6 24.5 36.7



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: 10.24 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Tgt Ion: 70 Resp: 51661

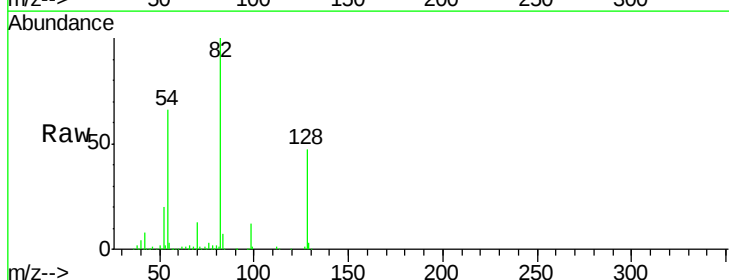
Ion Ratio Lower Upper

70 100

42 56.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

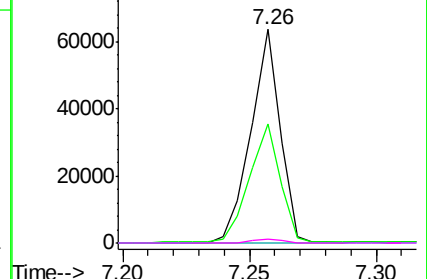
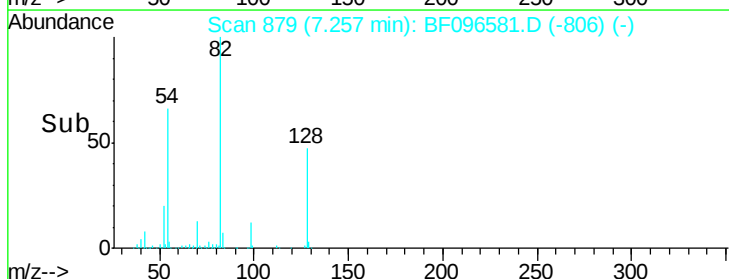


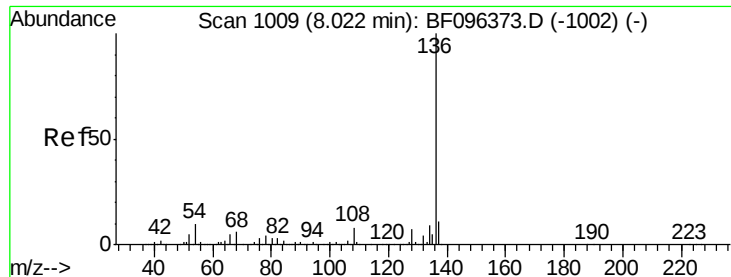
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 1002

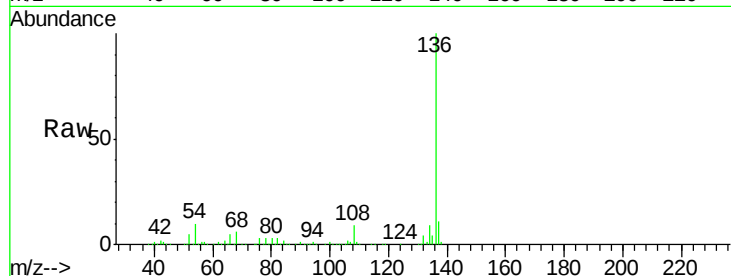
Delta R.T. -0.01 min

Lab File: BF096581.D

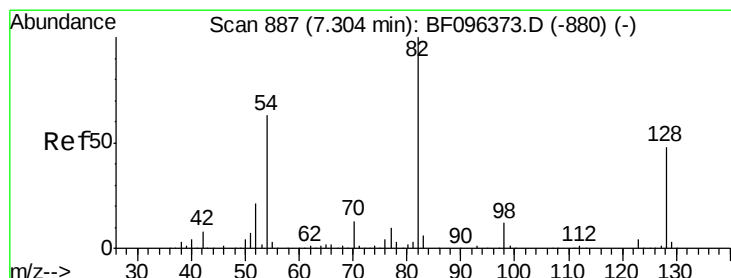
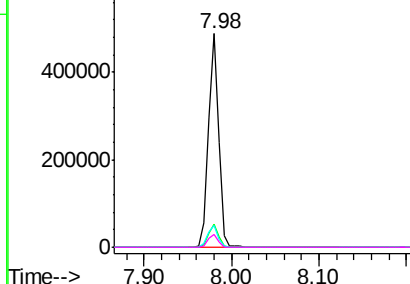
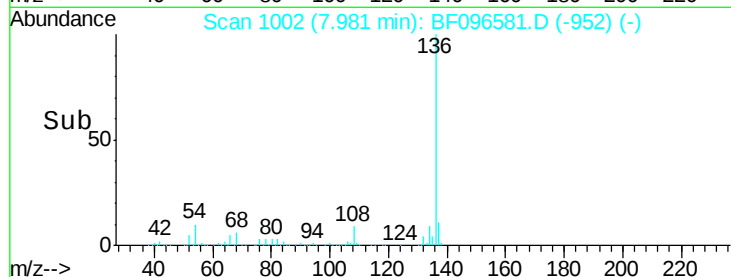
Acq: 8 Jul 2017 1:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	398804
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.5 12.7
54	10.1	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: 58.73 ng

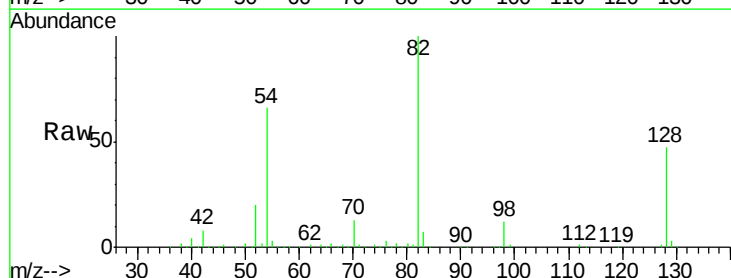
RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

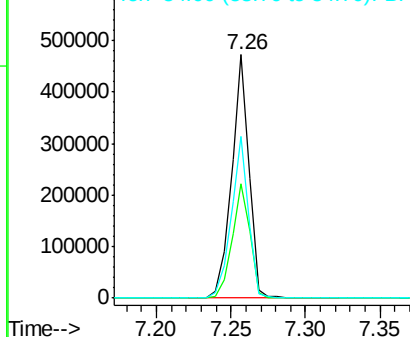
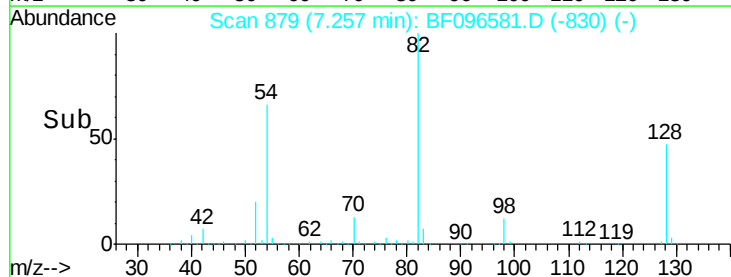
Lab File: BF096581.D

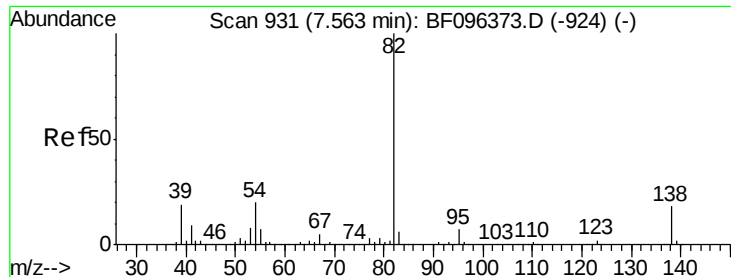
Acq: 8 Jul 2017 1:32

Tgt Ion: 82	Resp:	389744
Ion	Ratio	Lower Upper
82	100	
128	47.1	34.0 51.0
54	66.5	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: 29.99 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.27 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

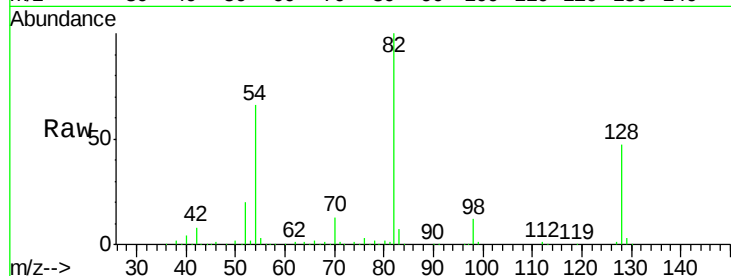
Tot Ion: 82 Resp: 385844

Ion Ratio Lower Upper

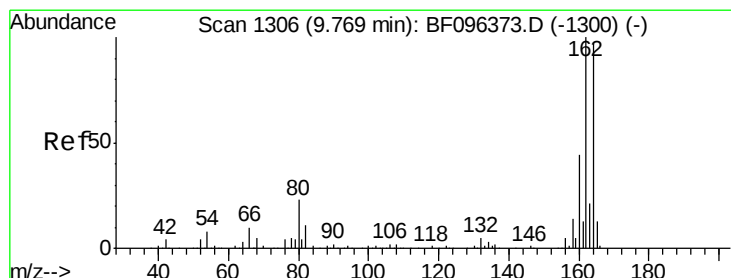
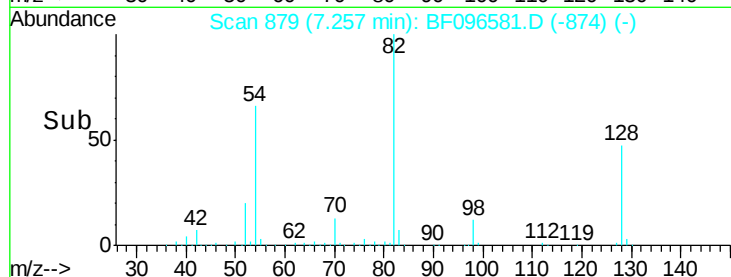
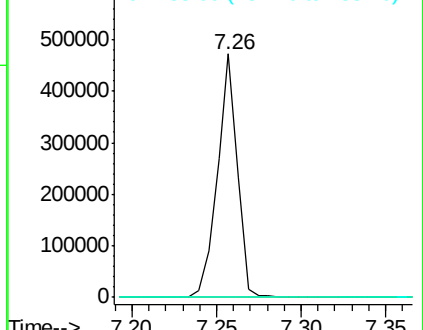
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

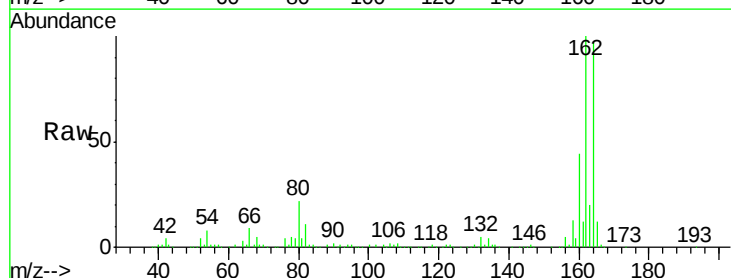
Tgt Ion:164 Resp: 155334

Ion Ratio Lower Upper

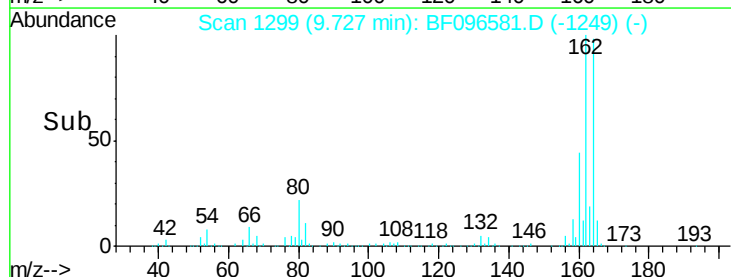
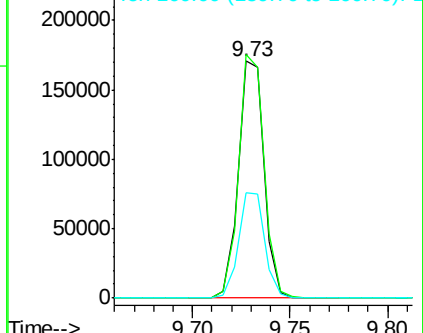
164 100

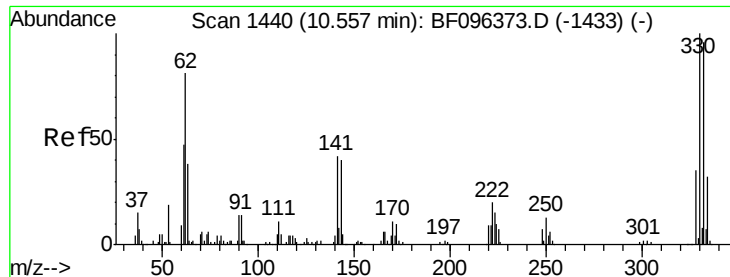
162 102.7 82.6 123.8

160 44.7 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

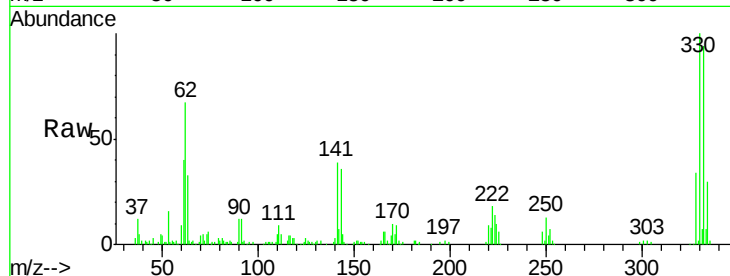




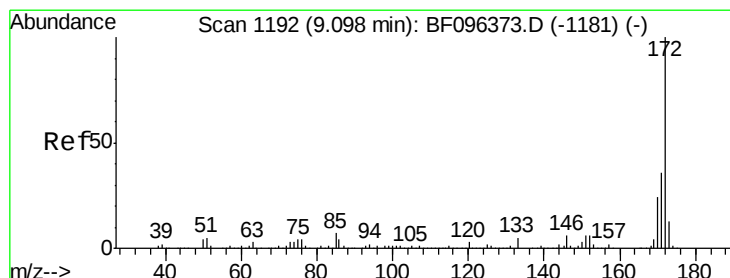
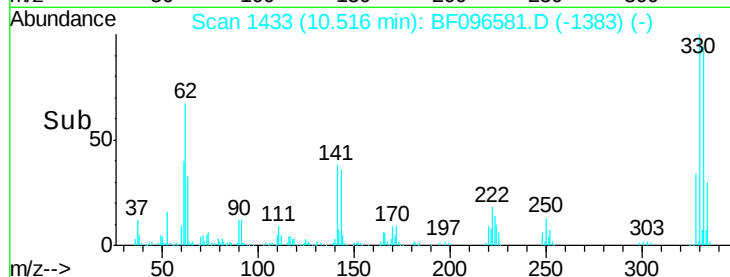
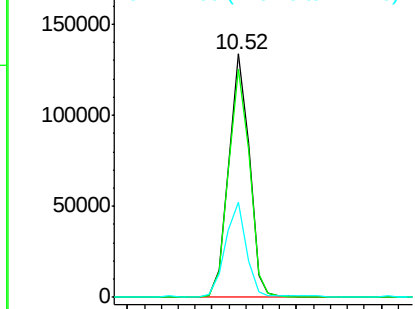
#41
 2,4,6-Tribromophenol
 Concen: 93.64 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096581.D
 Acq: 8 Jul 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 113618
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 38.8 31.4 47.2

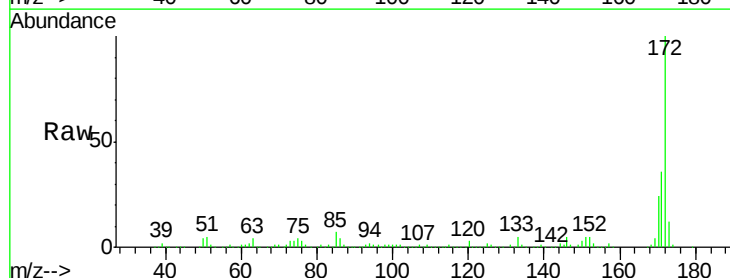


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

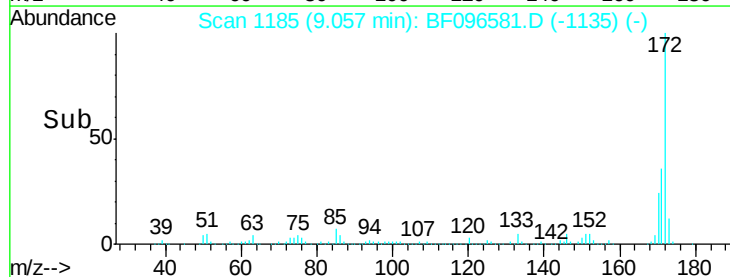
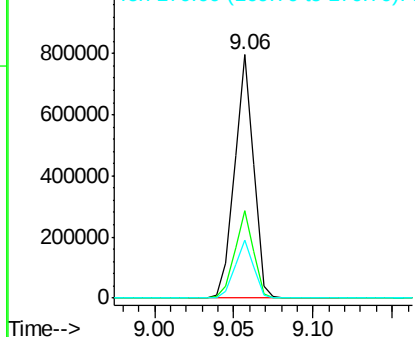


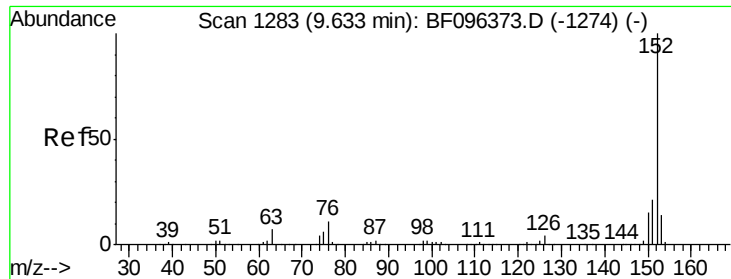
#44
 2-Fluorobiphenyl
 Concen: 72.84 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096581.D
 Acq: 8 Jul 2017 1:32

Tgt Ion:172 Resp: 661719
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.6 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





#48

Acenaphthylene

Concen: 10.74 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampled :

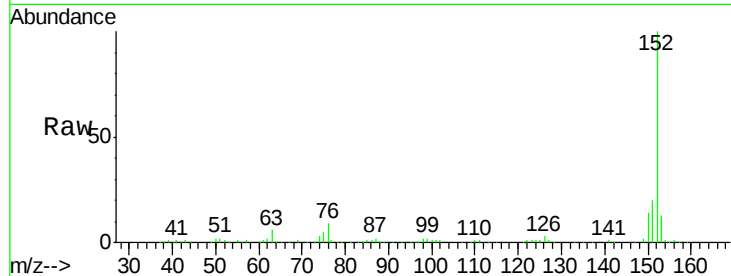
Tot Ion:152 Resp: 168831

Ion Ratio Lower Upper

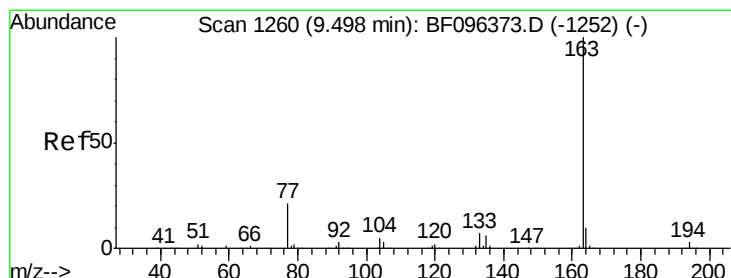
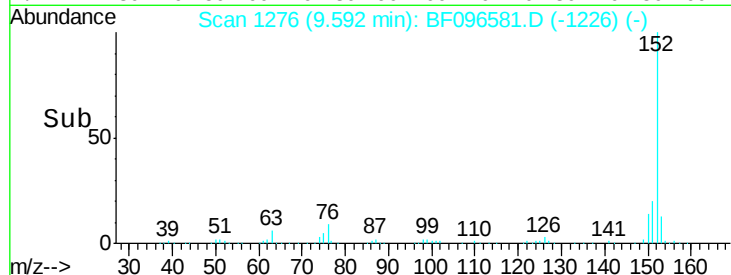
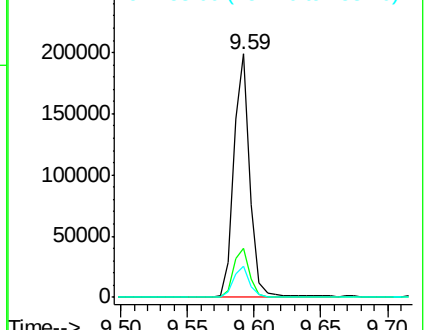
152 100

151 20.0 16.8 25.2

153 12.7 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.16 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

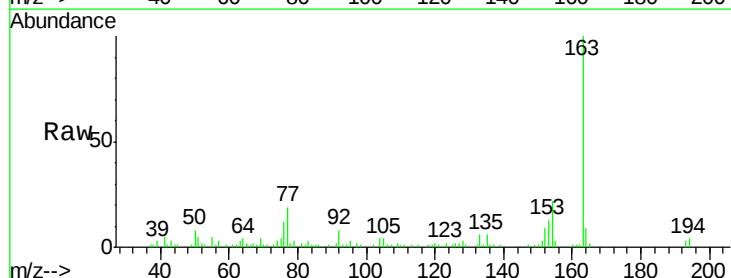
Tgt Ion:163 Resp: 48220

Ion Ratio Lower Upper

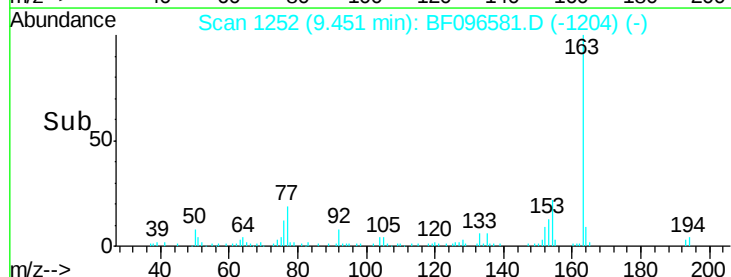
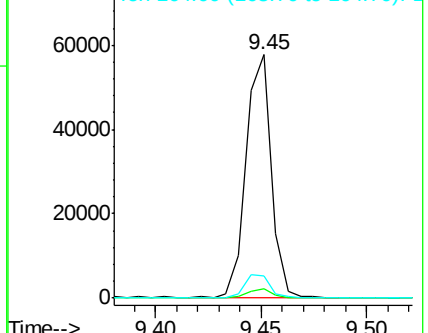
163 100

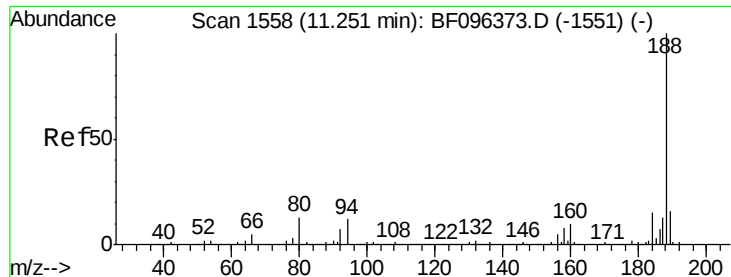
194 3.6 2.6 4.0

164 9.1 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

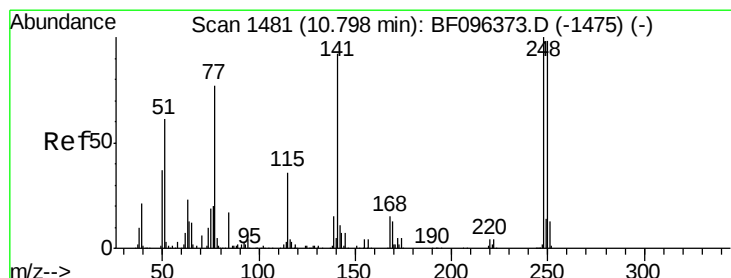
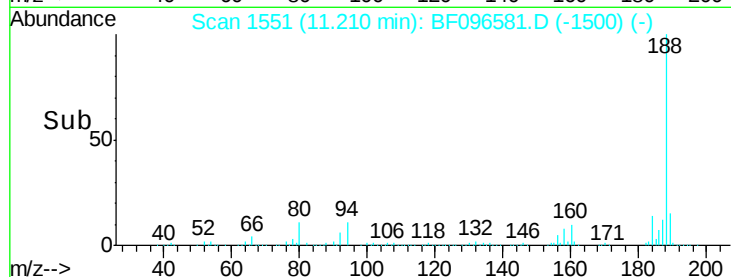
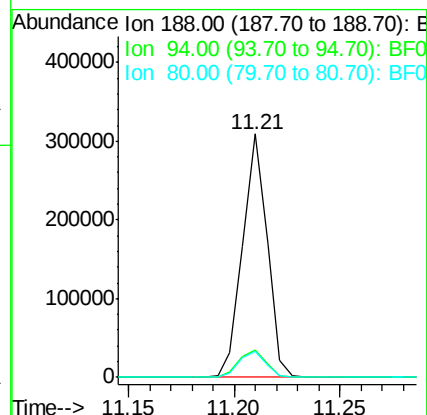
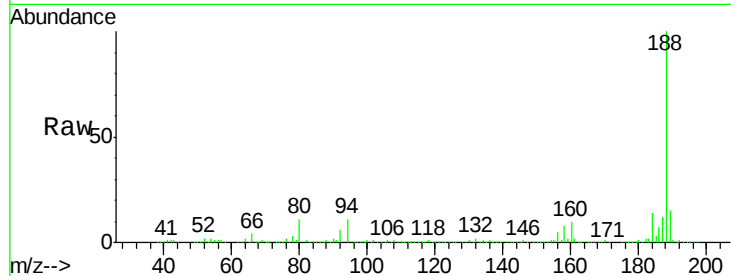




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.00 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

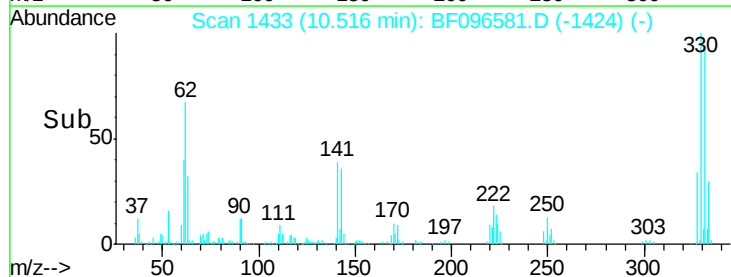
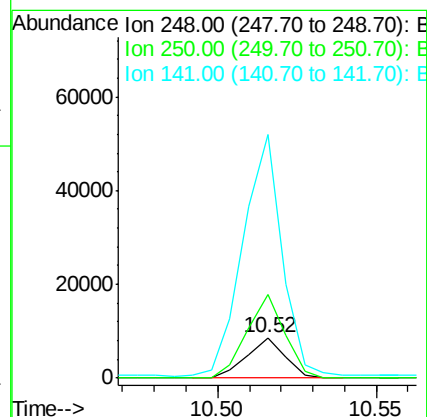
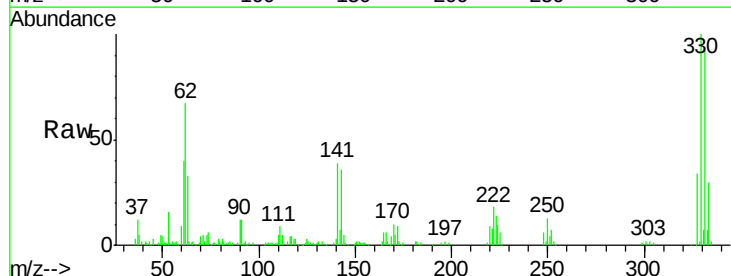
Instrument :
BNA_F
ClientSampleId :

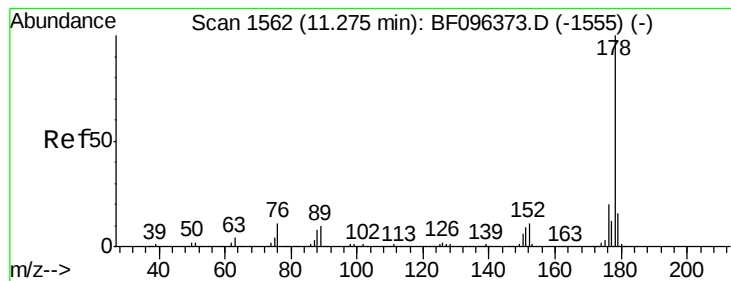
Tot Ion:188 Resp: 248965
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 10.9 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:248 Resp: 7248
Ion Ratio Lower Upper
248 100
250 209.5 76.8 115.2#
141 605.6 68.6 103.0#





#70

Phenanthrene

Concen: 8.49 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

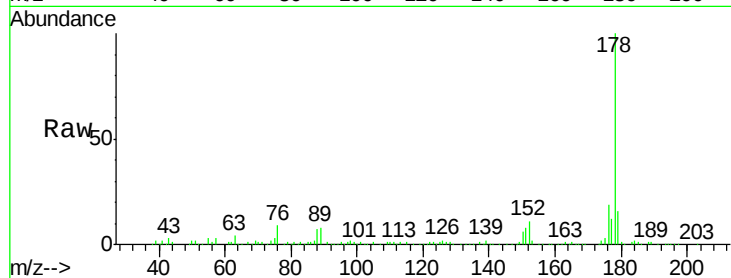
Tot Ion:178 Resp: 114225

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

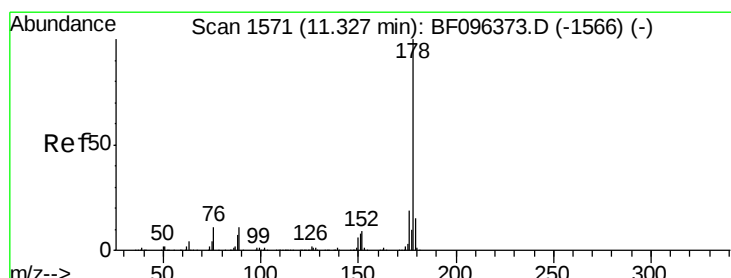
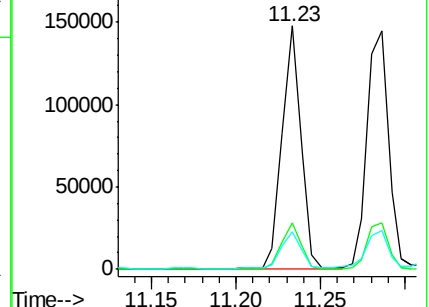
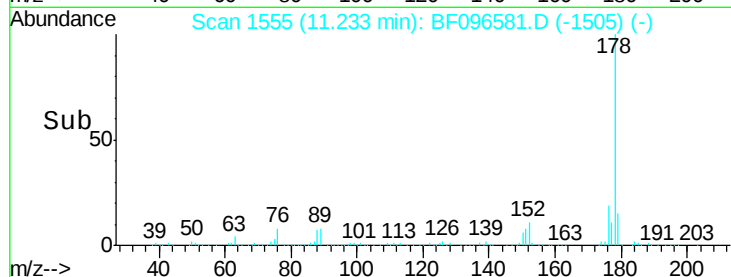
179 15.6 12.6 19.0



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: 9.26 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

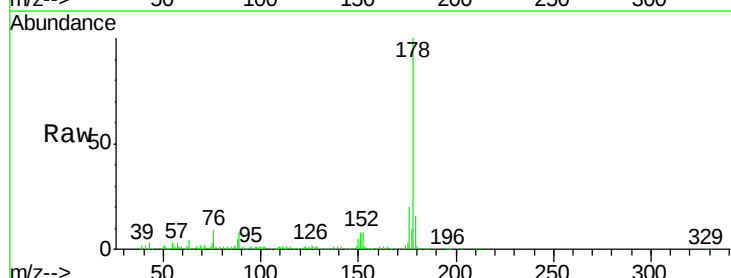
Tgt Ion:178 Resp: 127011

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

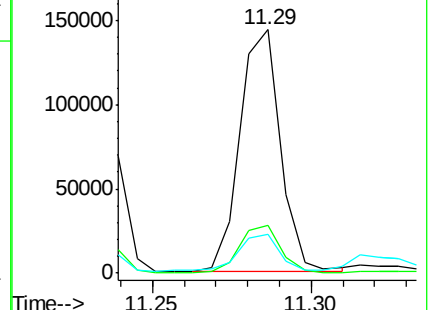
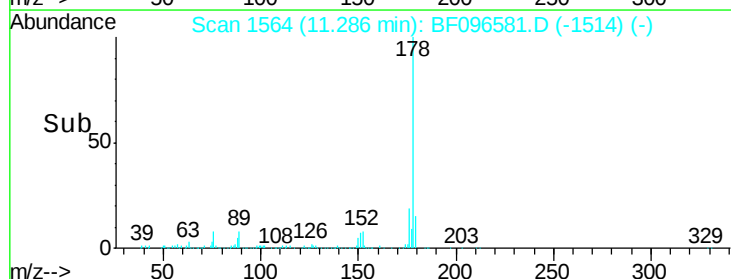
179 16.2 12.7 19.1

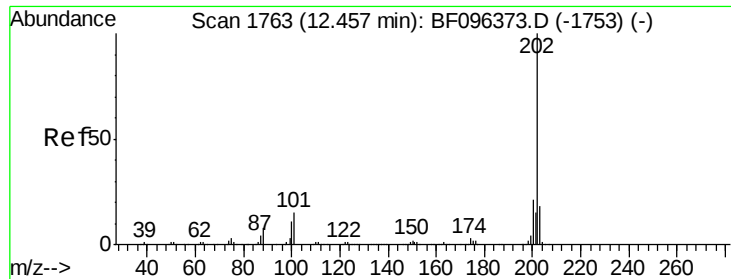


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 27.33 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampled :

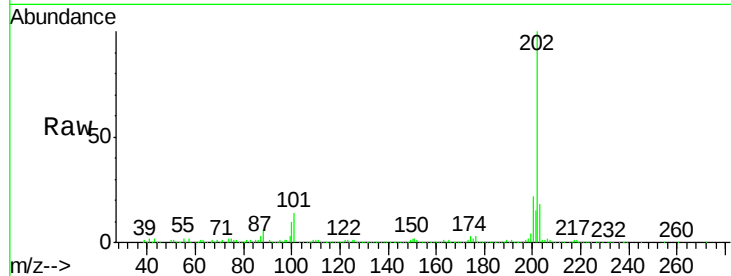
Tot Ion:202 Resp: 360626

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

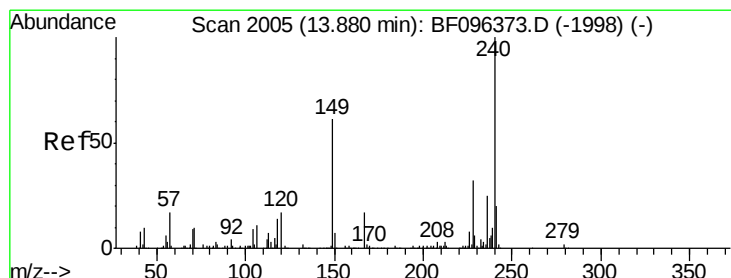
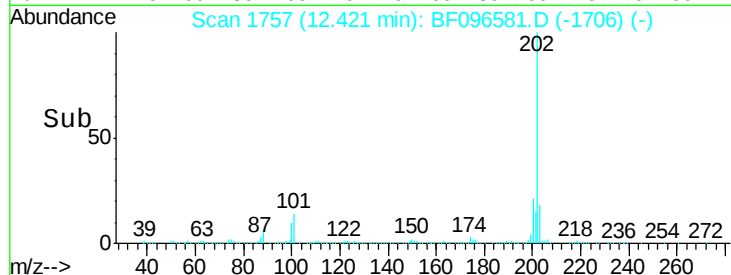
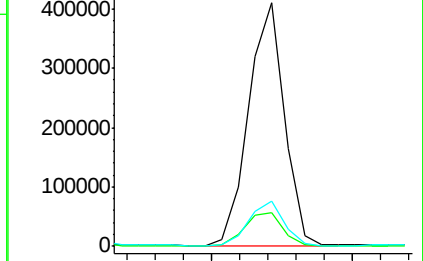
203 18.3 0.0 38.1



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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

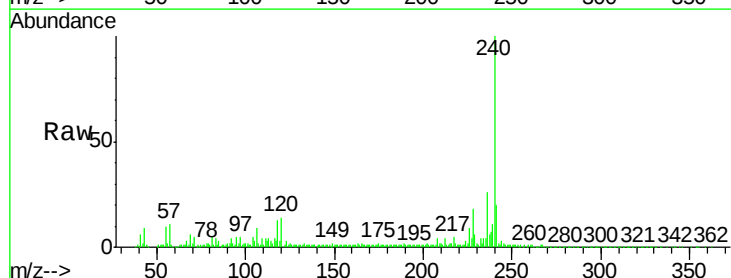
Tgt Ion:240 Resp: 188566

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

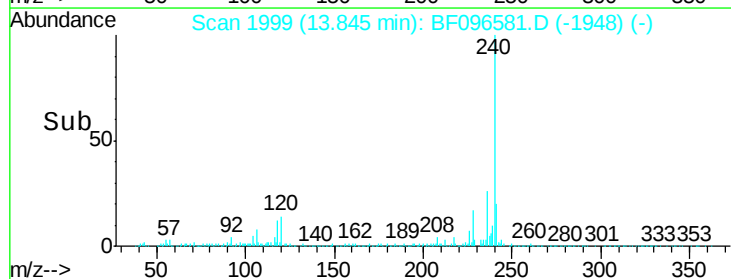
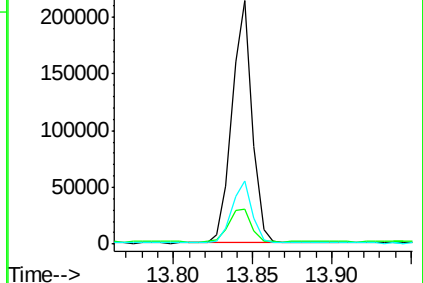
236 26.0 20.5 30.7

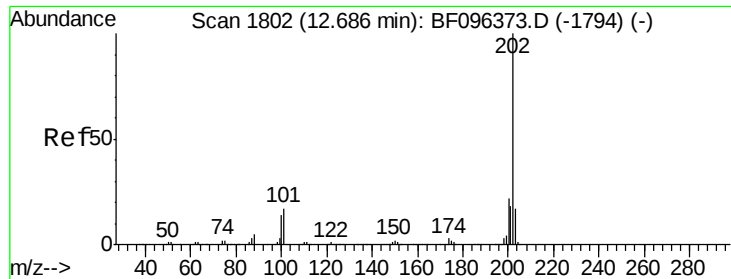


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 28.66 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

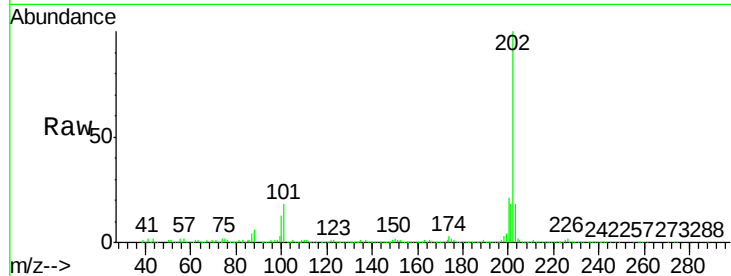
Tot Ion:202 Resp: 433839

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

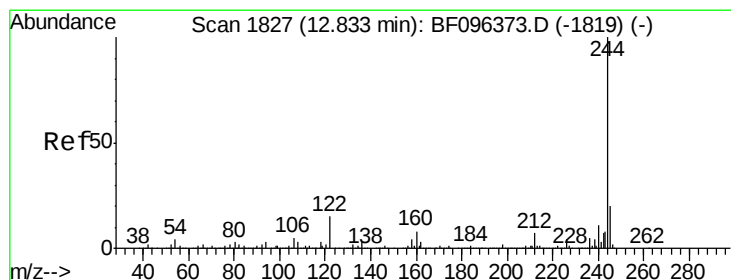
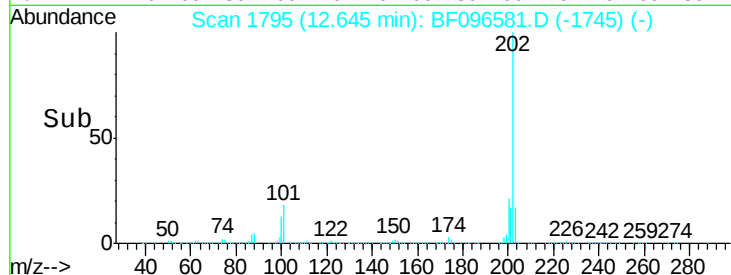
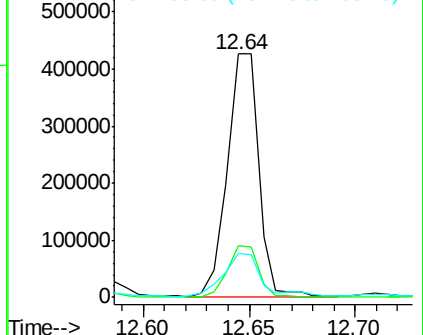
203 18.3 14.4 21.6



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: 58.18 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

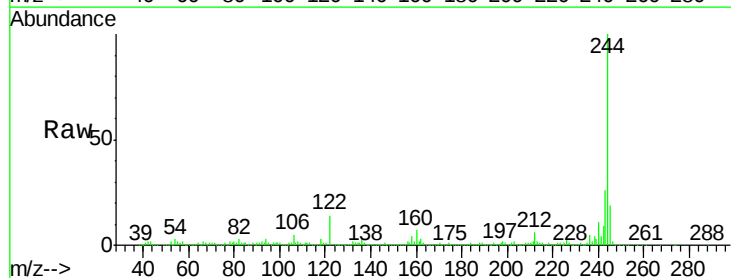
Tgt Ion:244 Resp: 513444

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

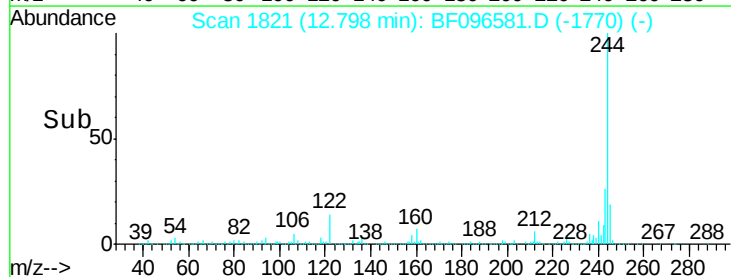
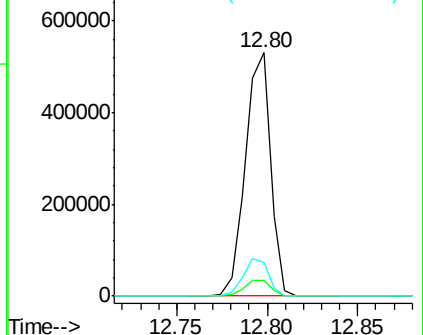
122 13.8 10.3 15.5

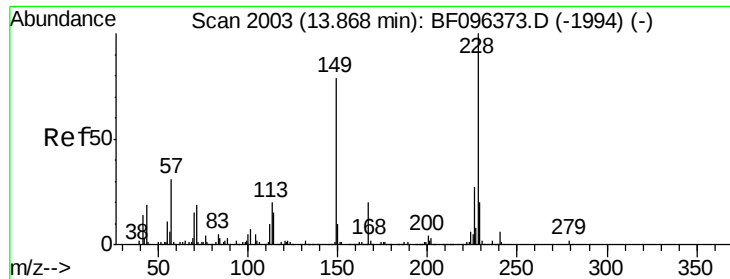


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

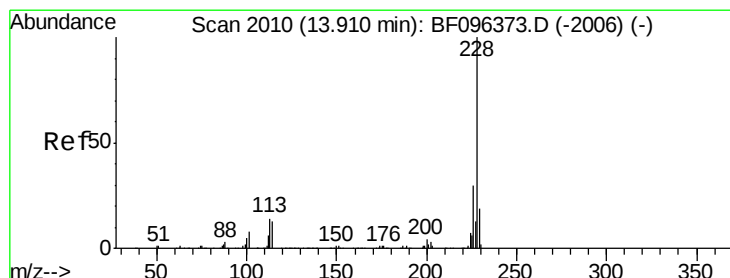
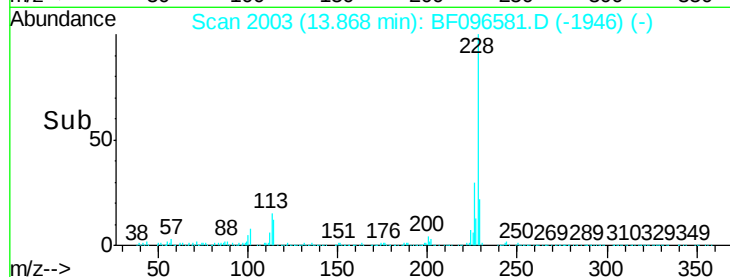
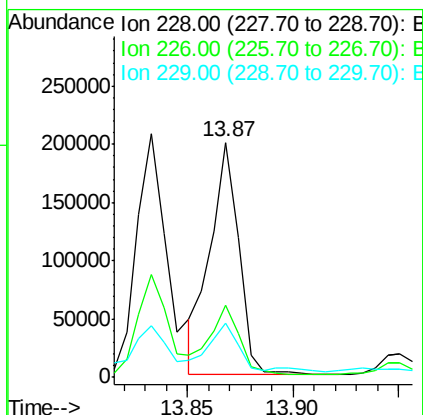
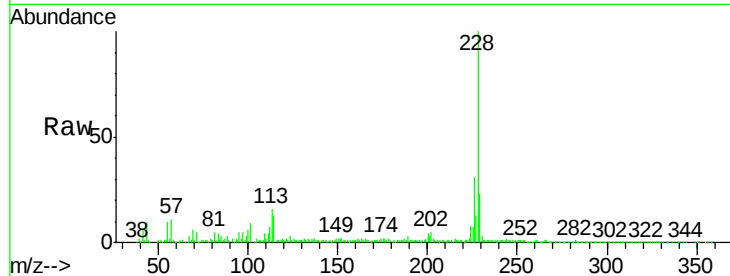




#80
Benzo(a)anthracene
Concen: 17.27 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.04 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

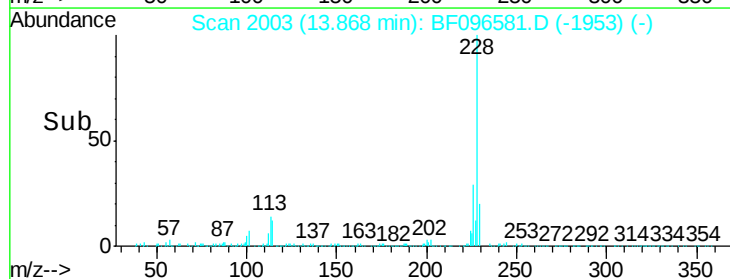
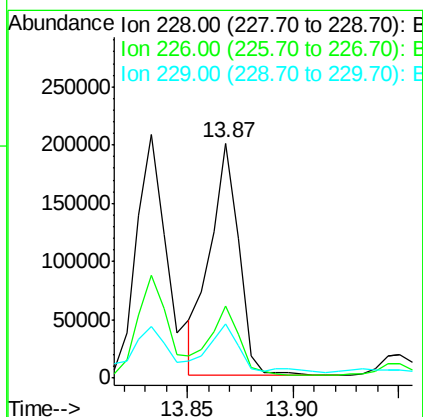
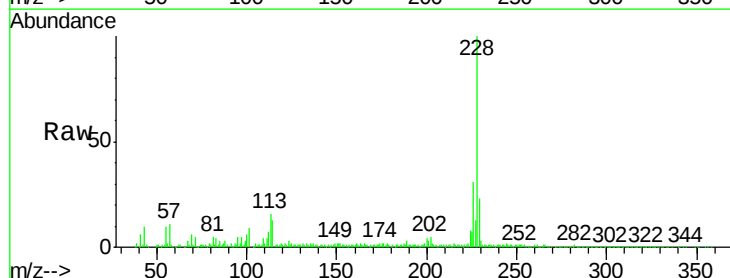
Instrument :
BNA_F
ClientSampleId :

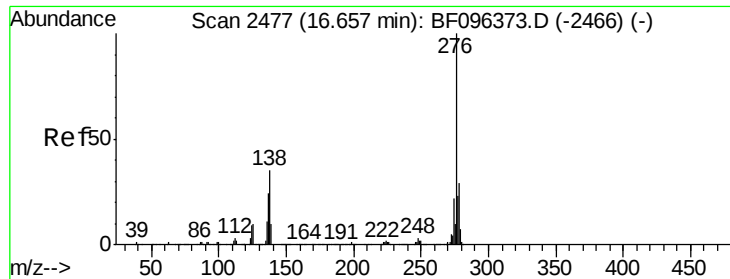
Tot Ion:228 Resp: 188556
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 23.0 16.3 24.5



#82
Chrysene
Concen: 16.49 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096581.D
Acq: 8 Jul 2017 1:32

Tgt Ion:228 Resp: 188556
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 23.0 15.8 23.6

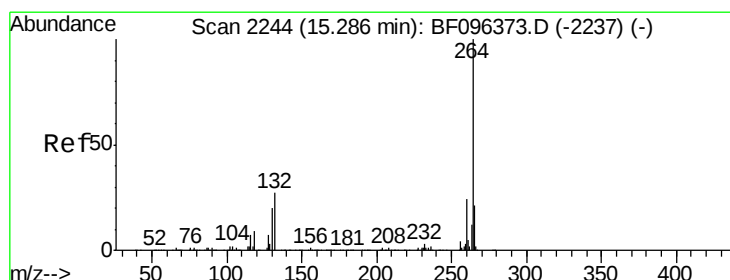
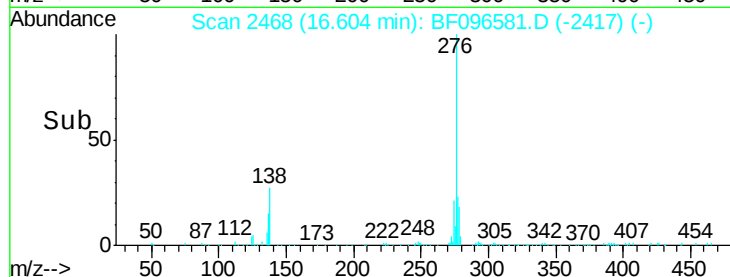
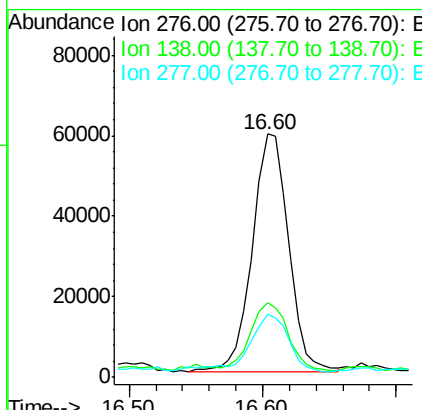
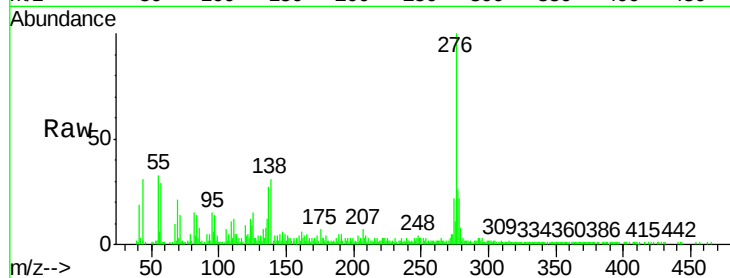




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.32 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.00 min
 Lab File: BF096581.D
 Acq: 8 Jul 2017 1:32

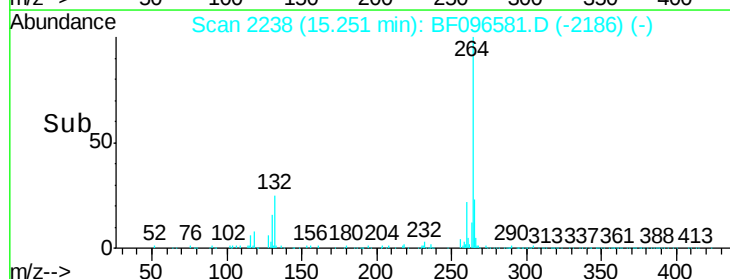
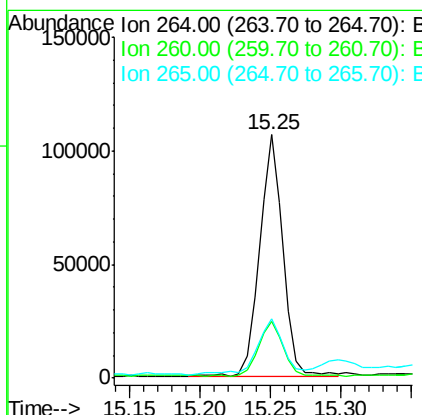
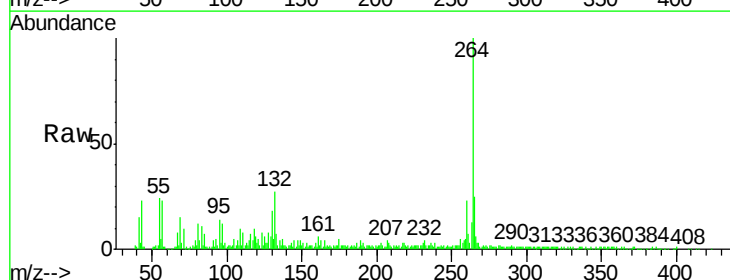
Instrument :
 BNA_F
 ClientSampleId :

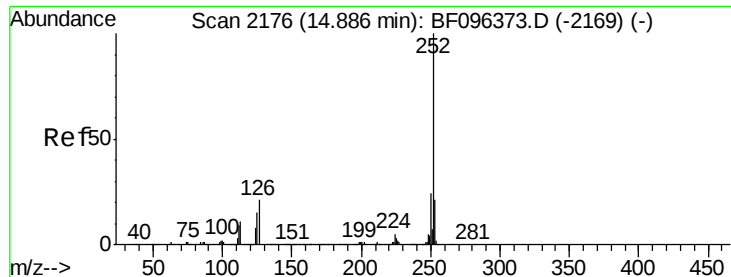
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.8	41.6
277	26.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: BF096581.D
 Acq: 8 Jul 2017 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	24.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 38.91 ng

RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

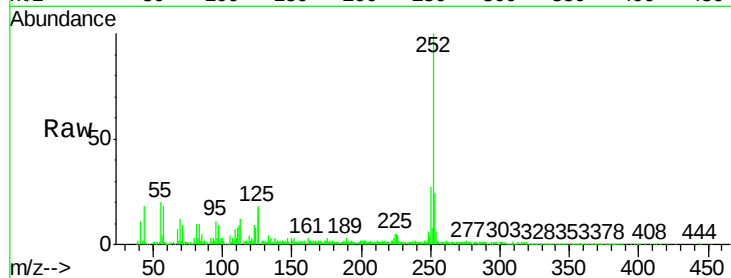
Tot Ion:252 Resp: 302015

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

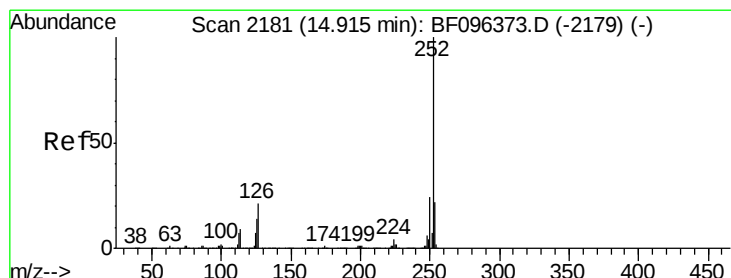
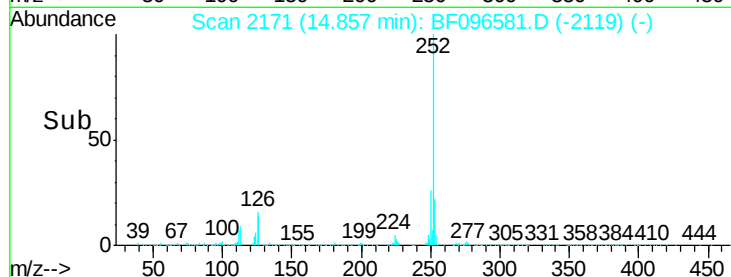
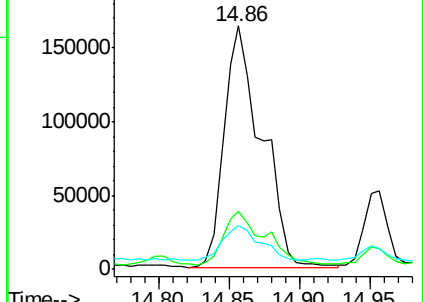
125 18.2 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 43.50 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

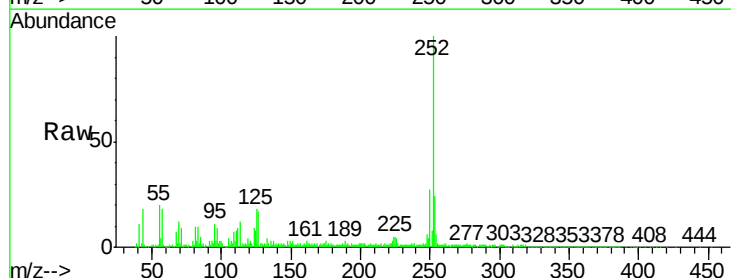
Tgt Ion:252 Resp: 302015

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

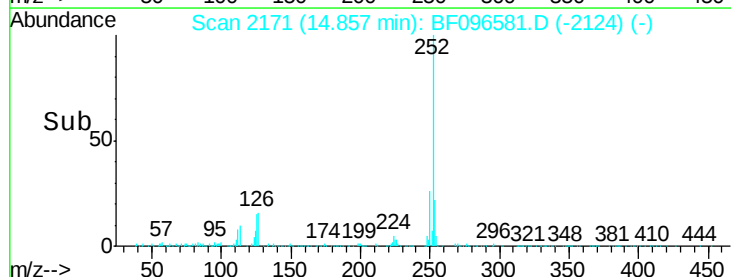
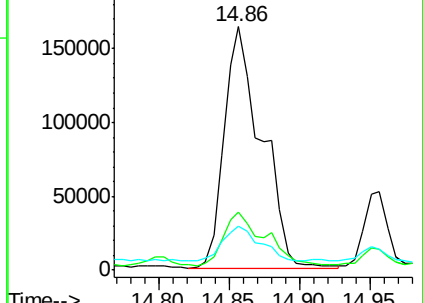
125 18.2 13.1 19.7

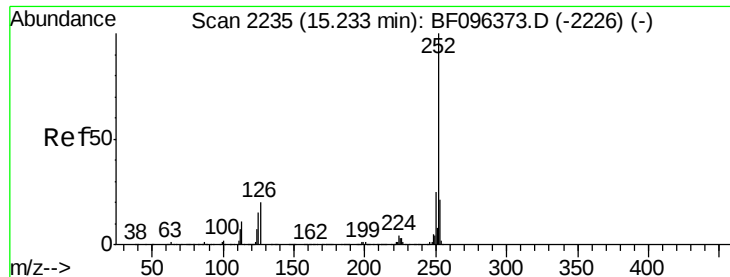


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 22.96 ng

RT: 15.19 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

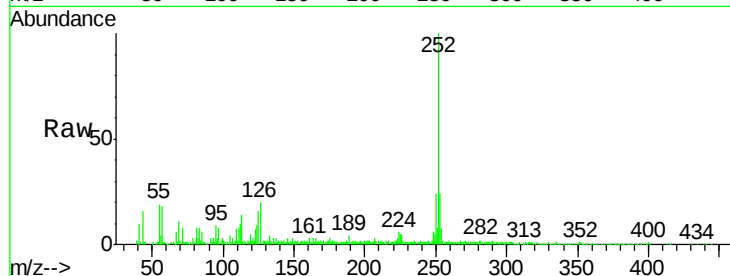
Tot Ion:252 Resp: 159116

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

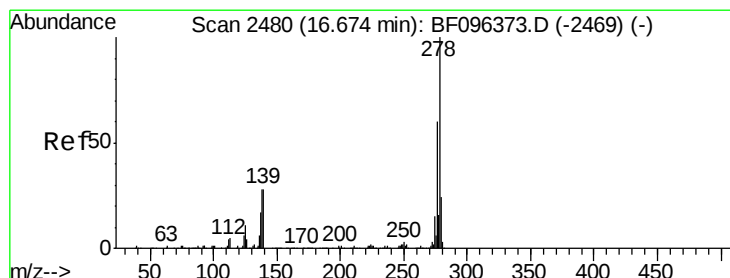
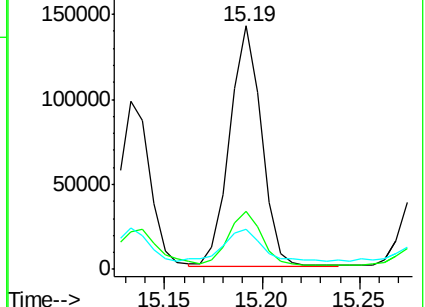
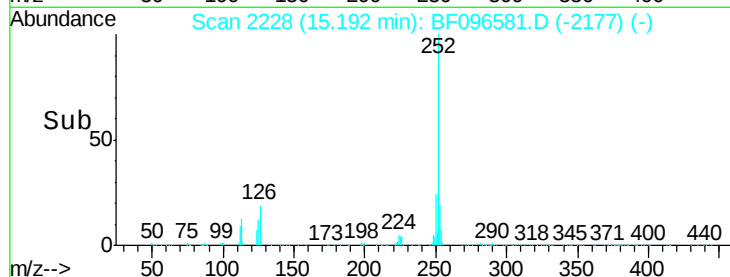
125 16.2 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 5.24 ng

RT: 16.61 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

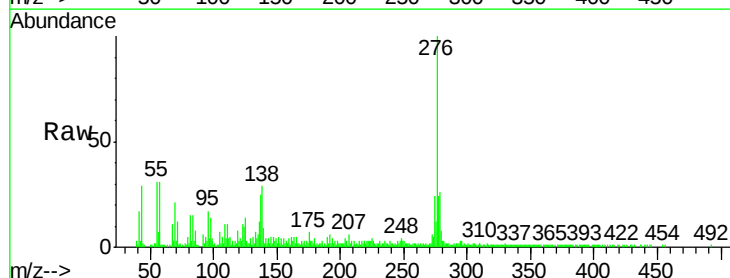
Tgt Ion:278 Resp: 28590

Ion Ratio Lower Upper

278 100

139 36.1 16.6 24.8#

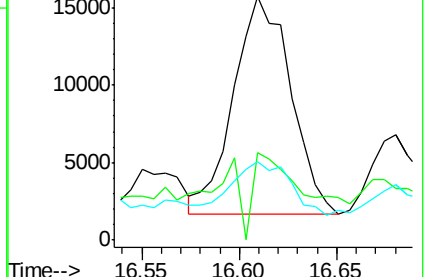
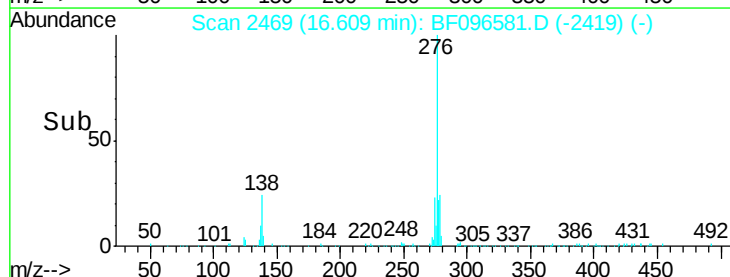
279 32.0 19.3 28.9#

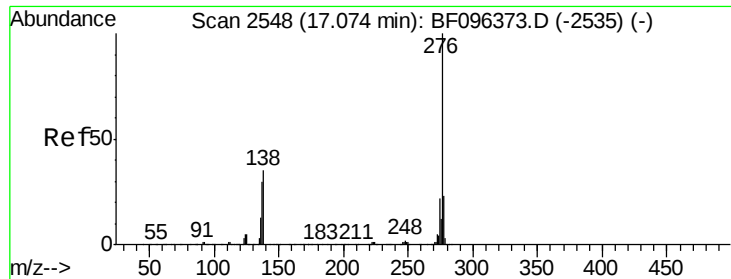


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 24.23 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF096581.D

Acq: 8 Jul 2017 1:32

Instrument :

BNA_F

ClientSampleId :

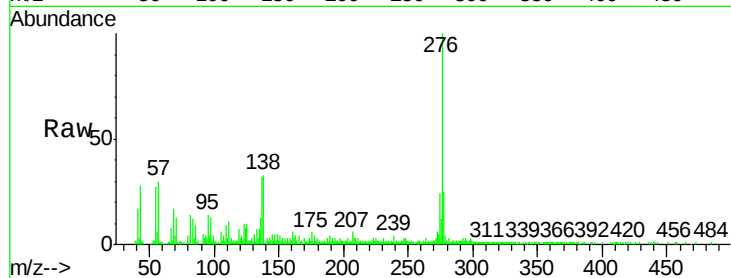
Tot Ion: 276 Resp: 136885

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 32.7 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

