

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096420.D
 Acq On : 2 Jul 2017 17:08
 Operator : SJ/MA
 Sample : I3876-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:32:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

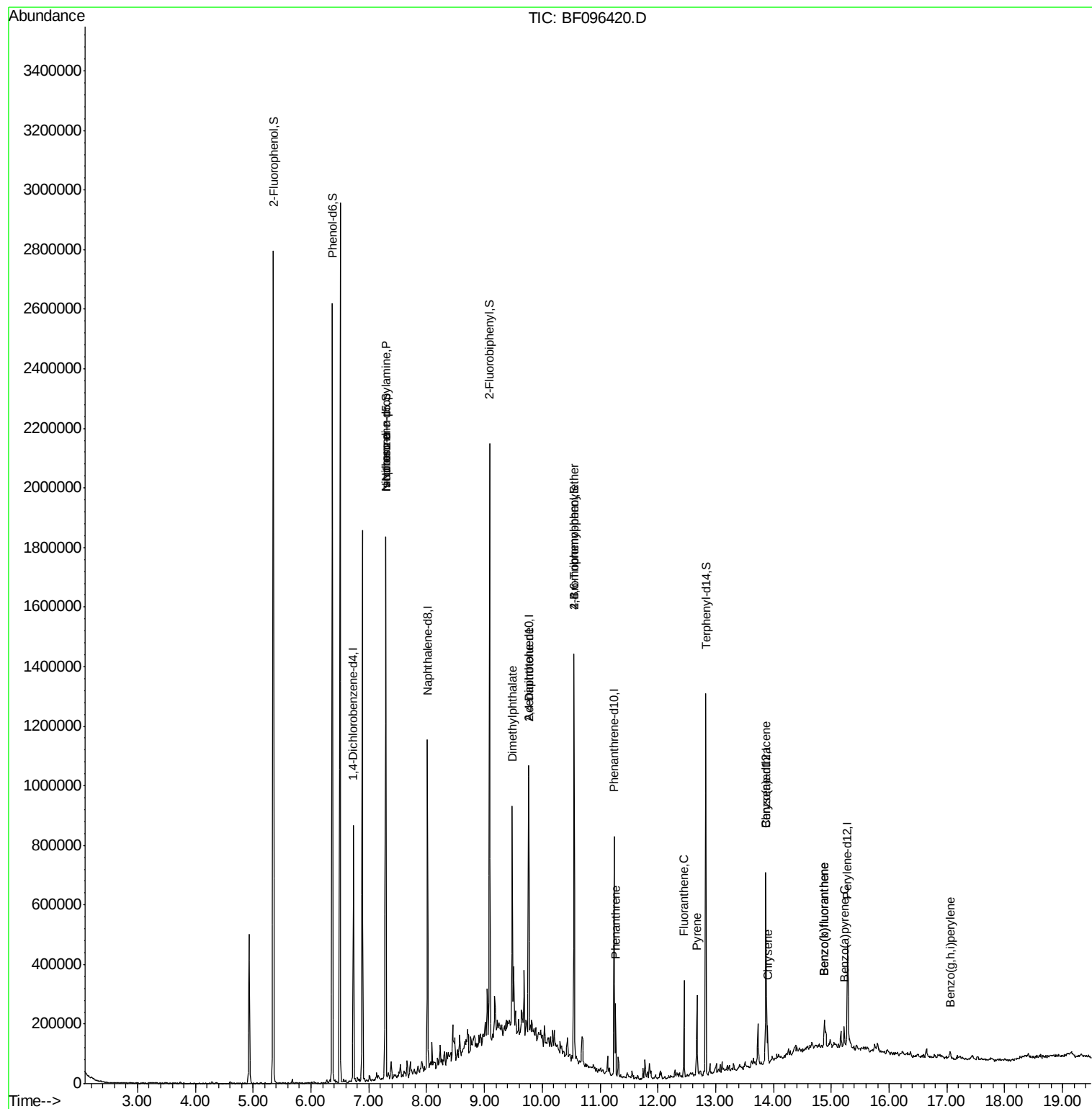
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	116579	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	466927	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	183460	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	259588	20.00	ng	0.00
75) Chrysene-d12	13.87	240	205490	20.00	ng	0.00
86) Perylene-d12	15.29	264	145165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	819543	103.76	ng	0.00
7) Phenol-d6	6.37	99	1000283	103.01	ng	0.00
23) Nitrobenzene-d5	7.29	82	545147	70.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	146183	102.01	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	601264	56.04	ng	0.00
78) Terphenyl-d14	12.83	244	359371	37.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	74677	12.91	ng	# 88
25) Isophorone	7.29	82	538281	35.73	ng	# 67
49) Dimethylphthalate	9.48	163	226123	16.51	ng	# 98
56) 2,4-Dinitrotoluene	9.77	165	24145	6.30	ng	# 34
66) 4-Bromophenyl-phenylether	10.55	248	9280	3.67	ng	# 1
70) Phenanthrene	11.27	178	86465	6.16	ng	96
74) Fluoranthene	12.45	202	114725	8.34	ng	97
77) Pyrene	12.68	202	113454	6.88	ng	97
80) Benzo(a)anthracene	13.86	228	46759	3.93	ng	98
82) Chrysene	13.90	228	45316	3.64	ng	99
87) Benzo(b)fluoranthene	14.88	252	57918	6.37	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	57918	7.12	ng	97
89) Benzo(a)pyrene	15.22	252	29568	3.64	ng	# 93
91) Benzo(a,h,i)perylene	17.06	276	15728	2.38	ng	95

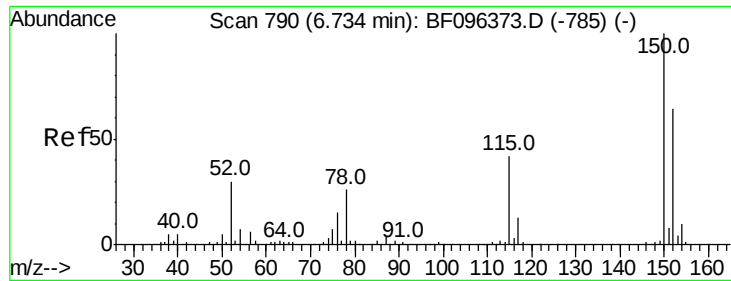
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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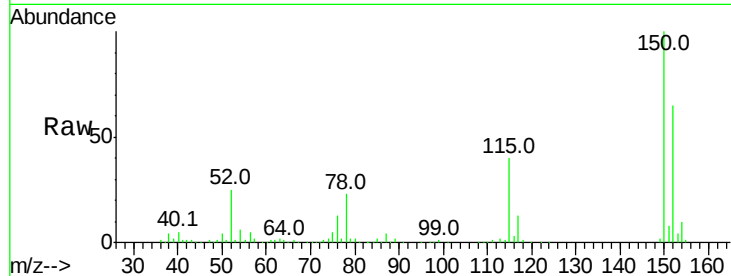


#1

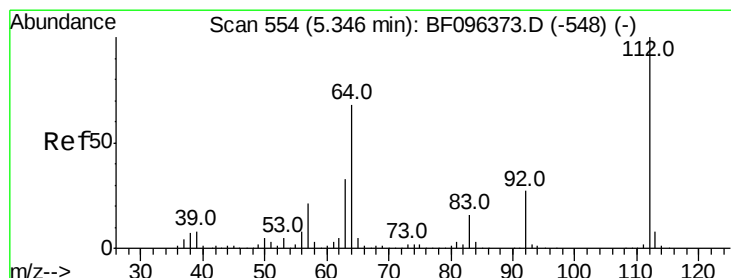
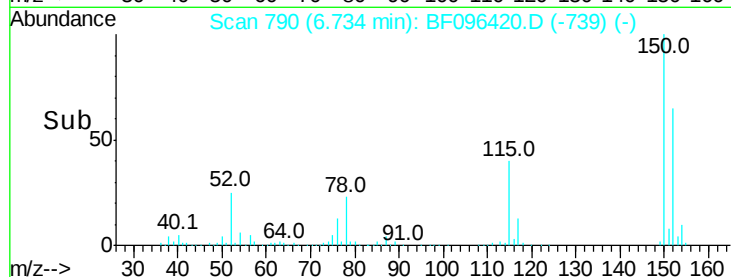
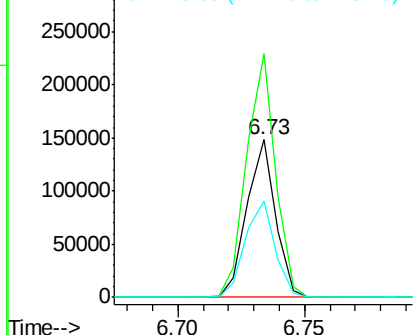
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116579
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 61.2 52.2 78.2



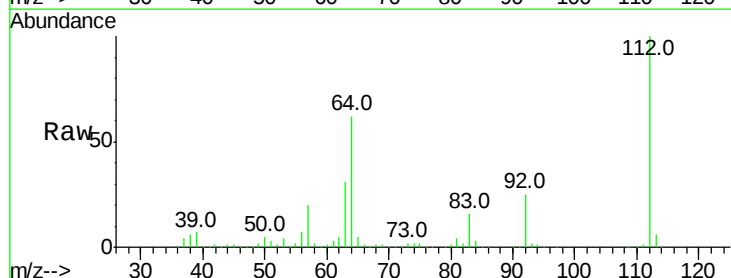
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



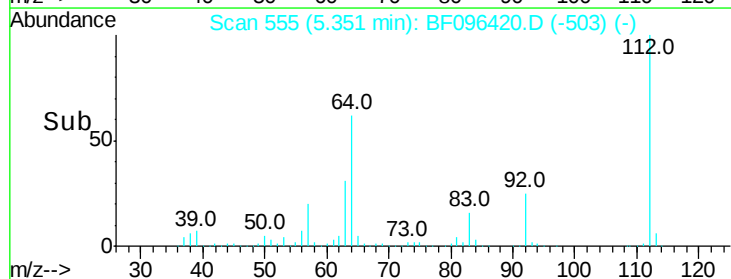
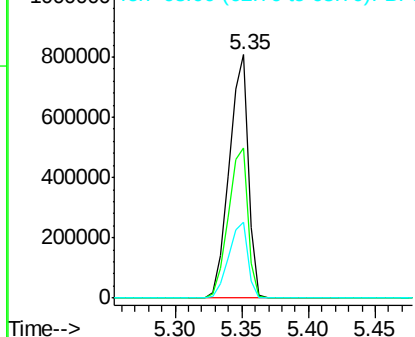
#5

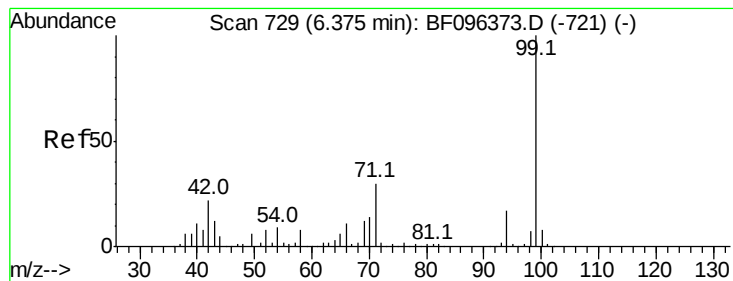
2-Fluorophenol
Concen: 103.76 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Tgt Ion:112 Resp: 819543
Ion Ratio Lower Upper
112 100
64 61.8 46.0 69.0
63 31.1 23.4 35.0



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





#7

Phenol-d6

Concen: 103.01 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

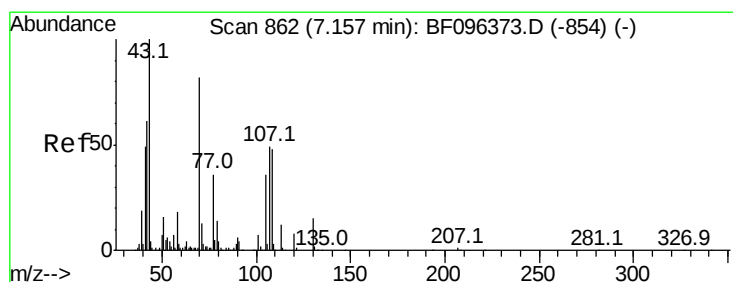
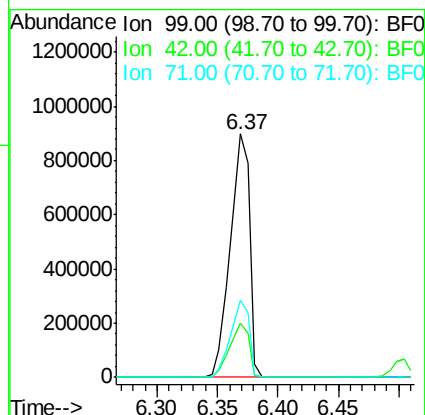
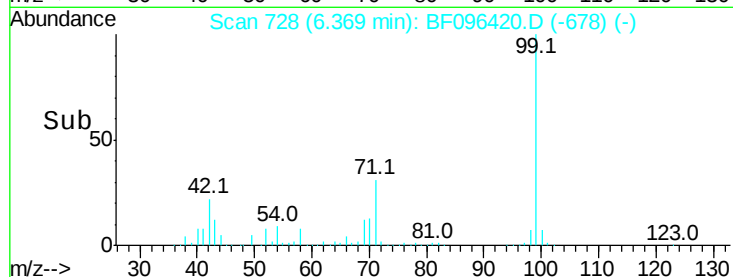
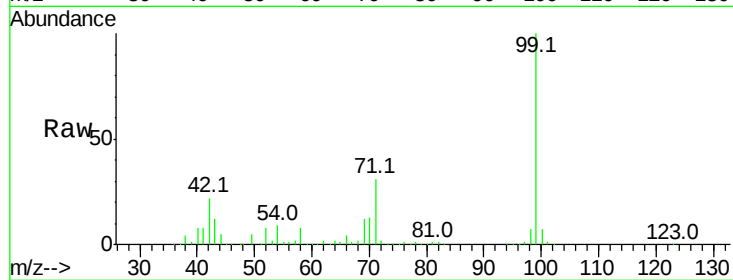
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1000283

Ion	Ratio	Lower	Upper
99	100		
42	22.5	13.5	20.3#
71	31.5	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.91 ng

RT: 7.29 min Scan# 885

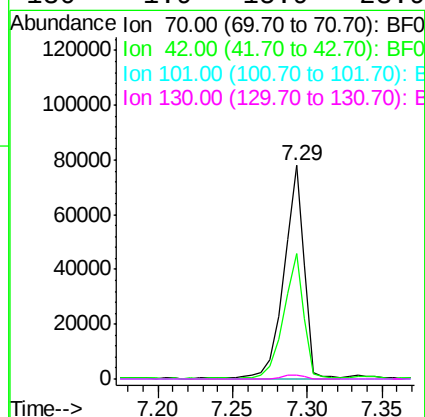
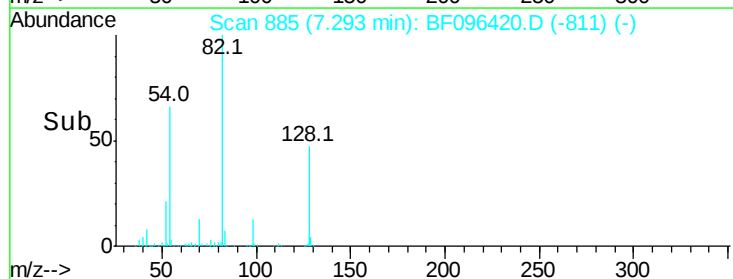
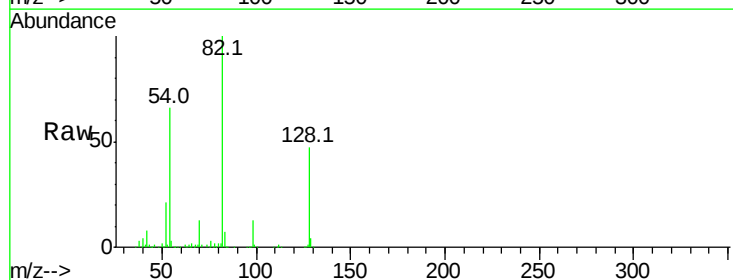
Delta R.T. 0.14 min

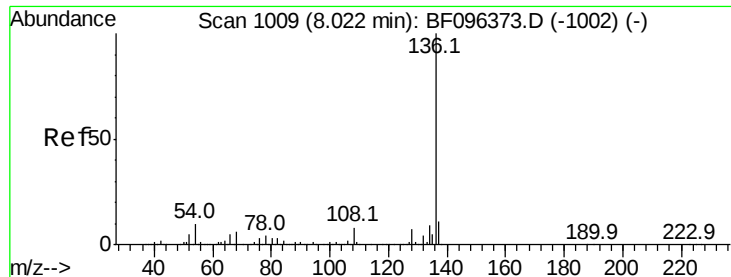
Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Tgt Ion: 70 Resp: 74677

Ion	Ratio	Lower	Upper
70	100		
42	58.6	47.2	70.8
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

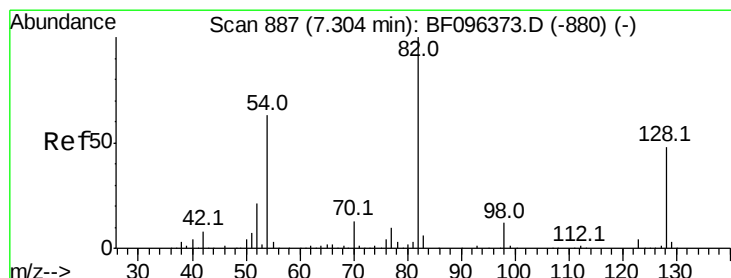
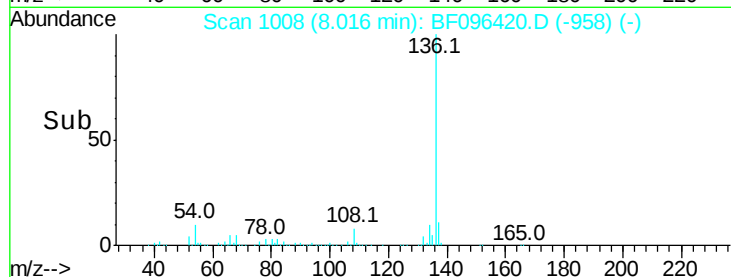
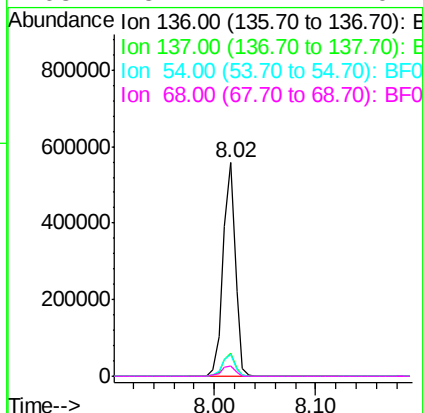
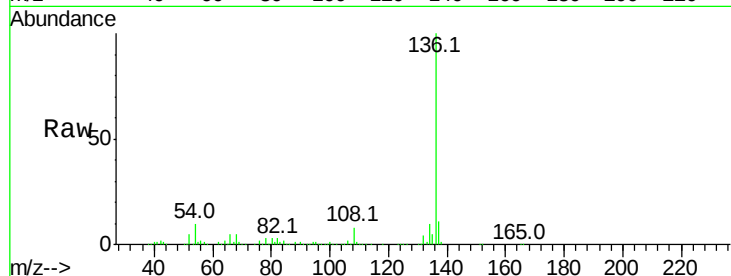




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

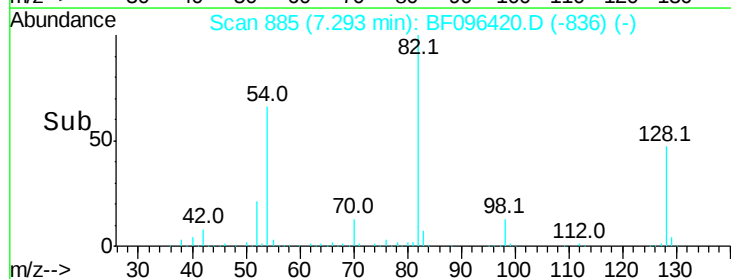
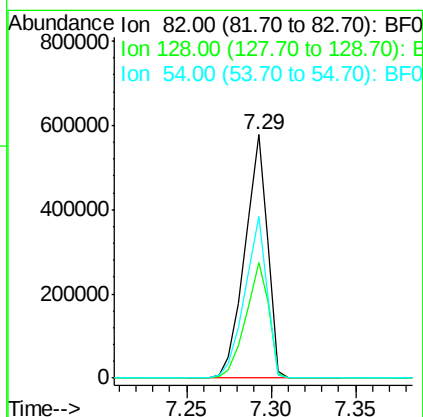
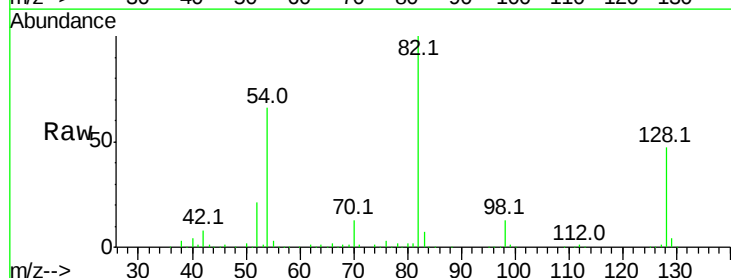
Instrument :
BNA_F
ClientSampleId :

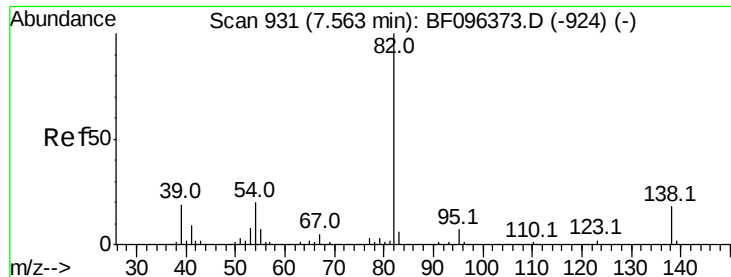
Tot Ion:	136	Resp:	466927
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	9.9	4.9	7.3#
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 70.16 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Tgt Ion:	82	Resp:	545147
Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.0	51.0
54	66.2	42.2	63.2#





#25

Isophorone

Concen: 35.73 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

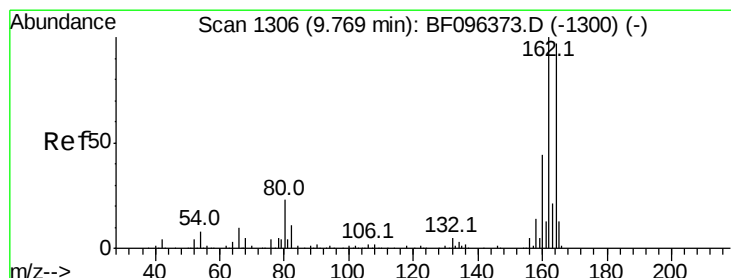
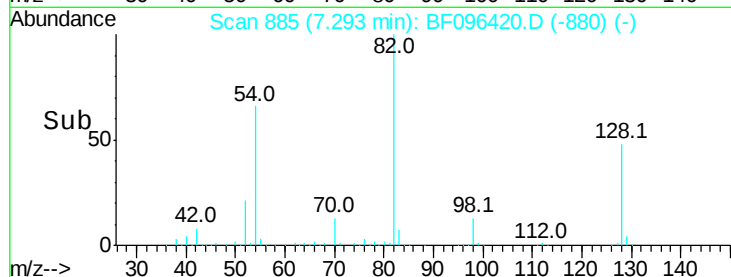
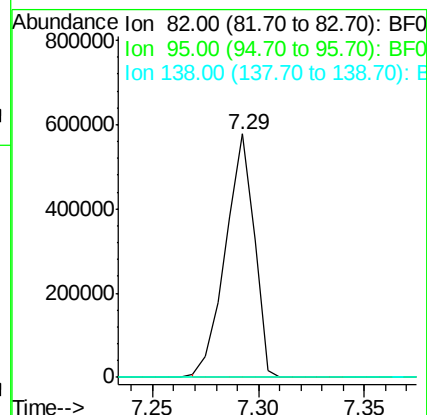
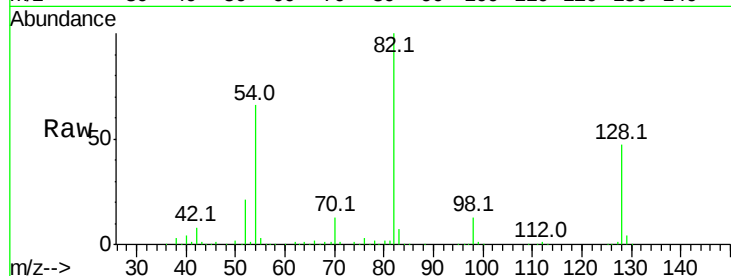
Tot Ion: 82 Resp: 538281

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

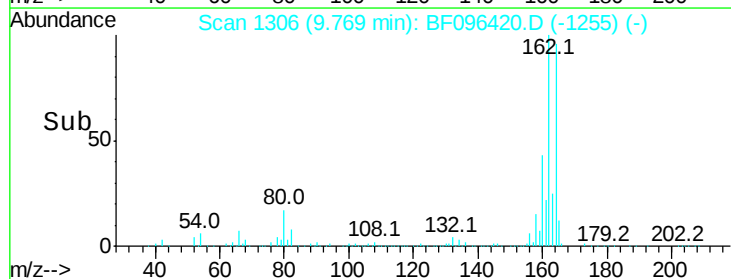
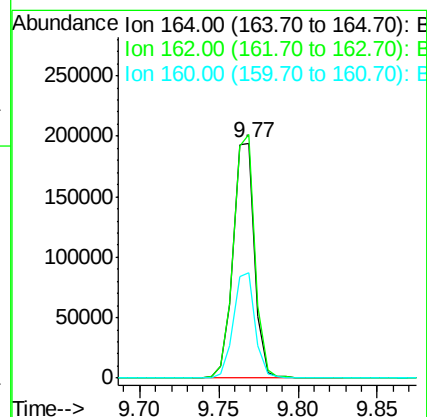
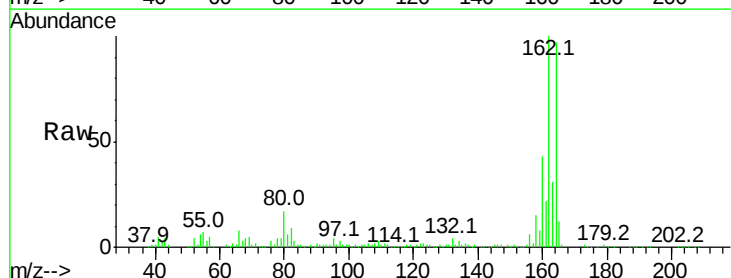
Tgt Ion:164 Resp: 183460

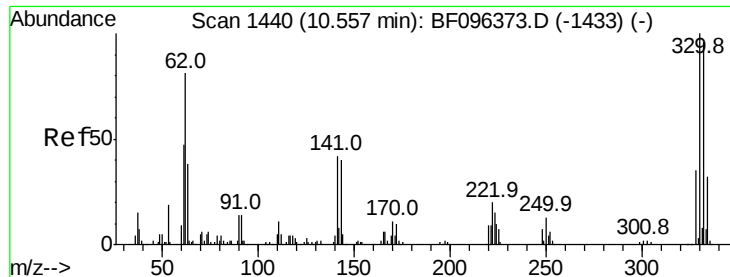
Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

160 44.9 36.2 54.2

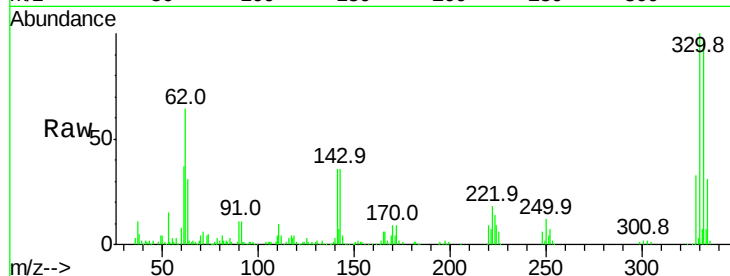




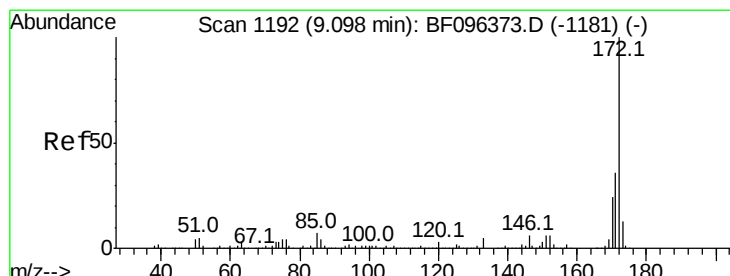
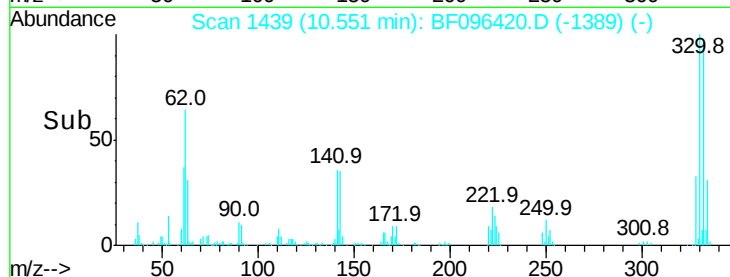
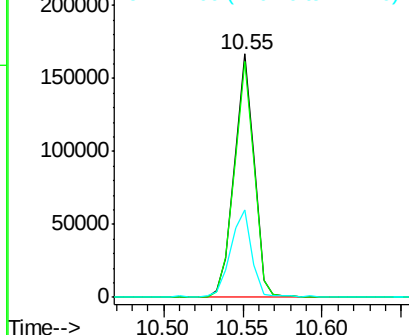
#41
 2,4,6-Tribromophenol
 Concen: 102.01 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096420.D
 Acq: 2 Jul 2017 17:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 146183
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 37.9 31.4 47.2

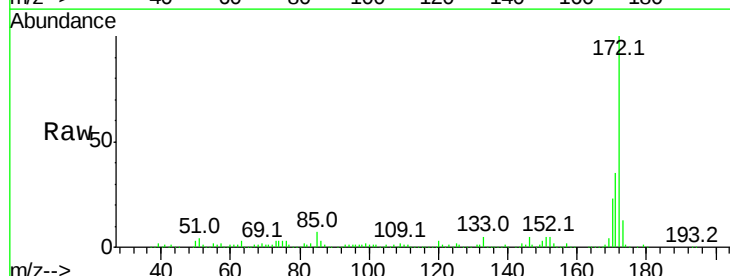


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

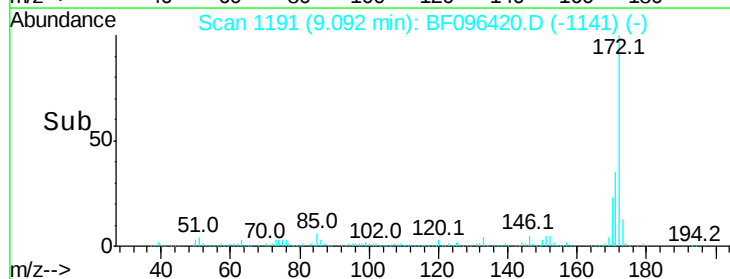
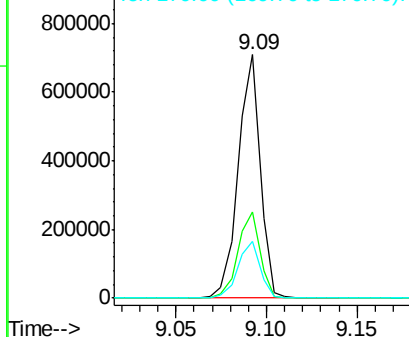


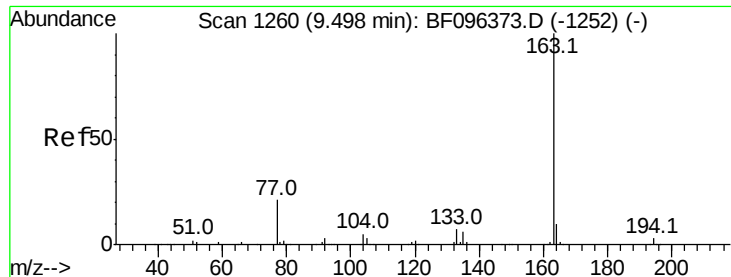
#44
 2-Fluorobiphenyl
 Concen: 56.04 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096420.D
 Acq: 2 Jul 2017 17:08

Tgt Ion:172 Resp: 601264
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.4 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

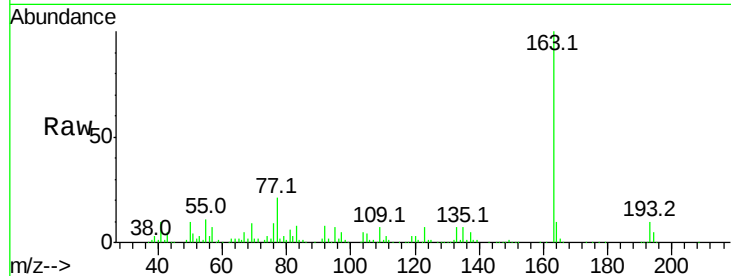




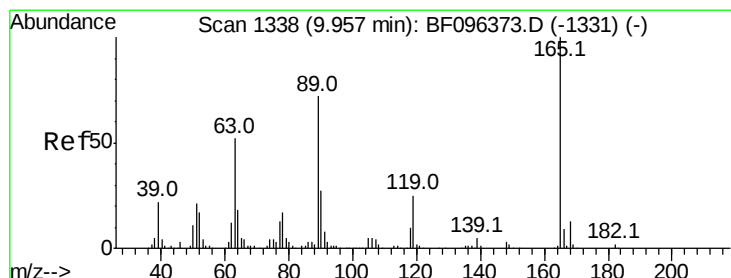
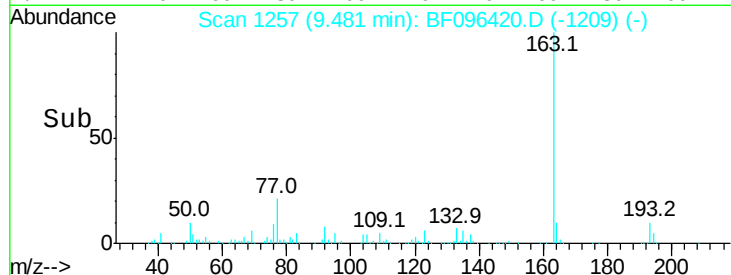
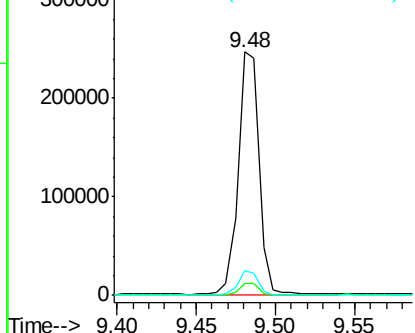
#49
Dimethylphthalate
Concen: 16.51 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.6	4.0#
164	10.2	8.4	12.6

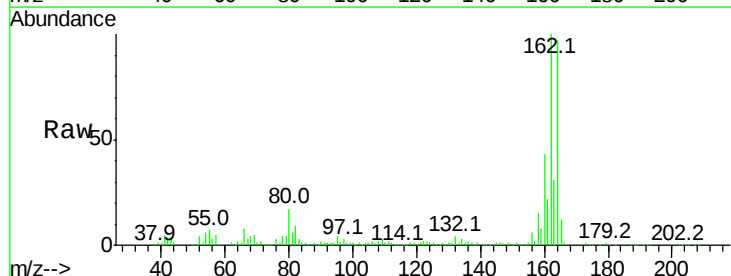


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

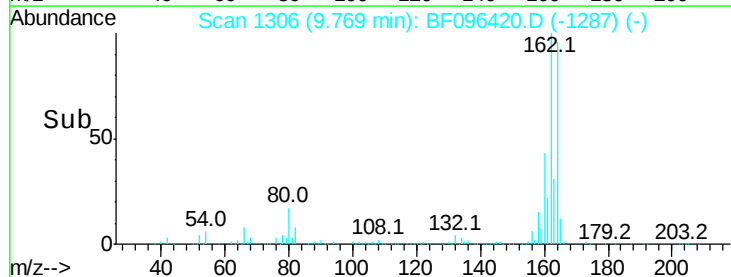
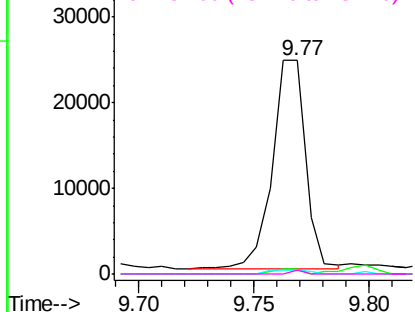


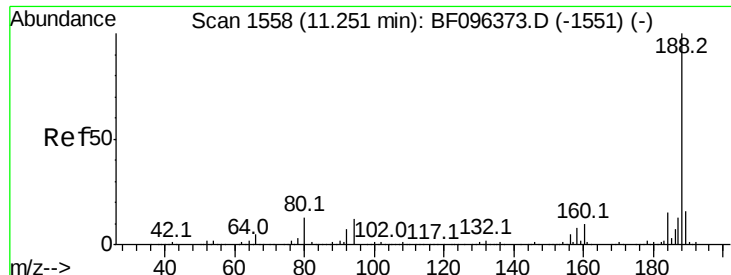
#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.6	46.4	69.6#
182	1.6	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

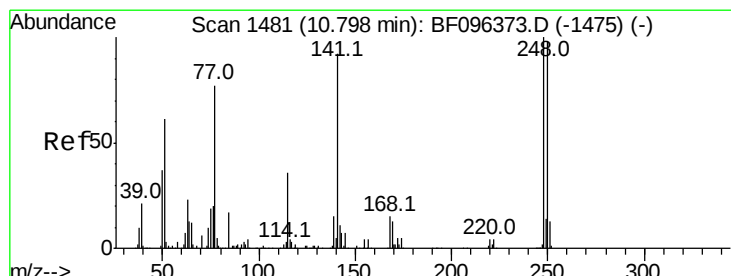
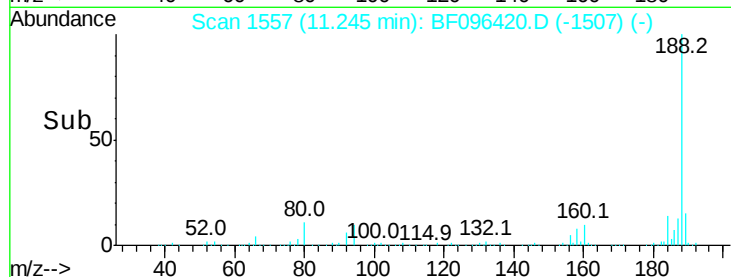
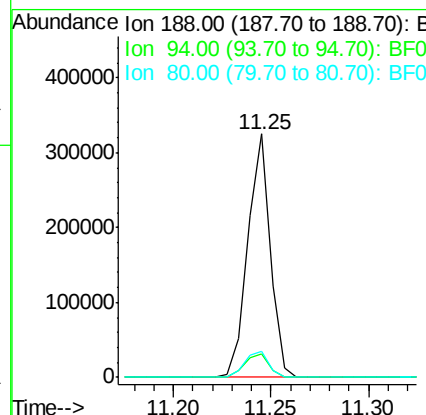
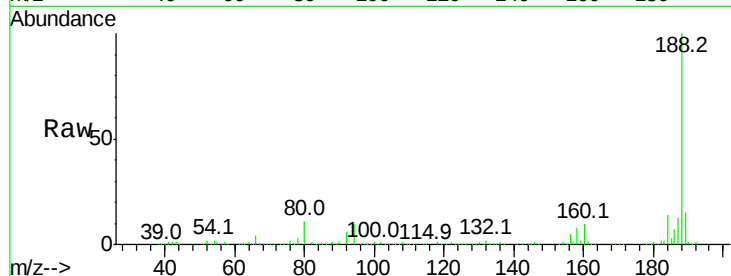




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096420.D
 Acq: 2 Jul 2017 17:08

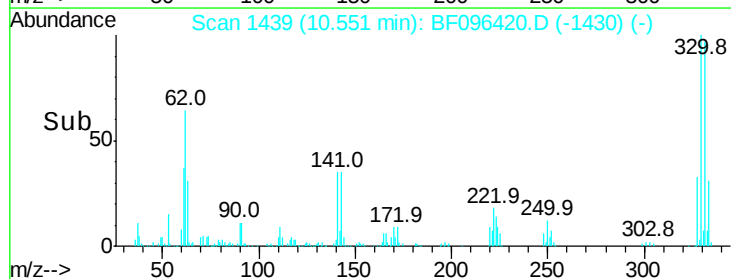
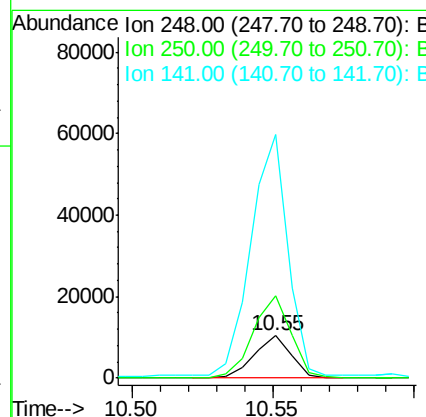
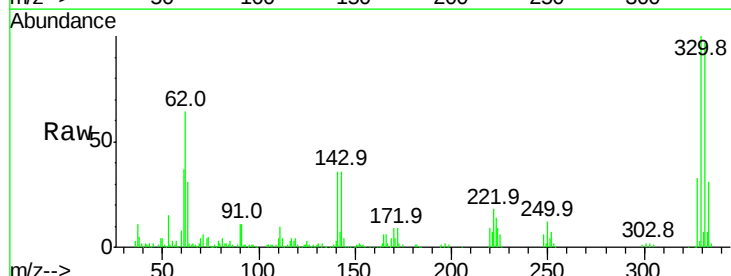
Instrument :
 BNA_F
 ClientSampleId :

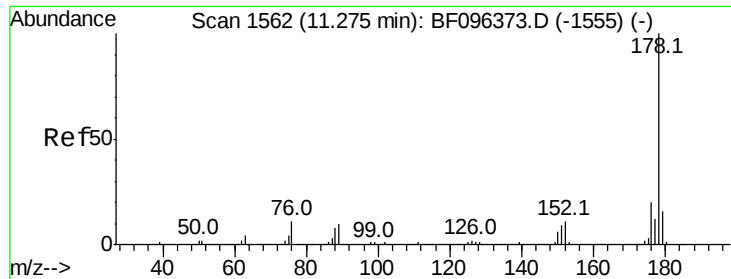
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.7	10.2	15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF096420.D
 Acq: 2 Jul 2017 17:08

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.9	76.8	115.2#
141	575.8	68.6	103.0#

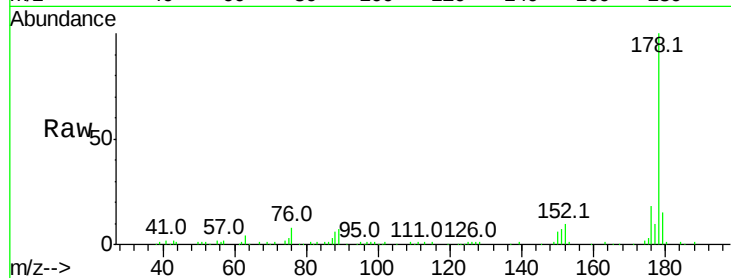




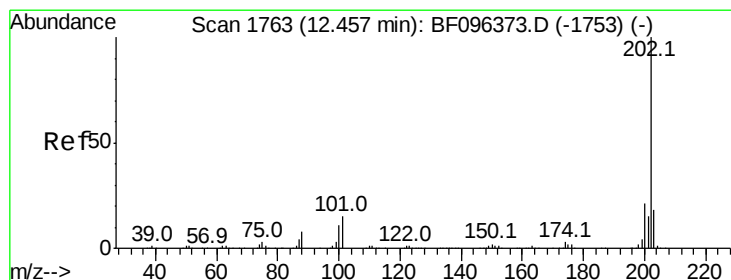
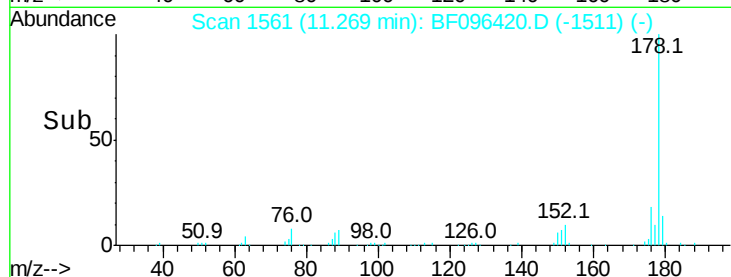
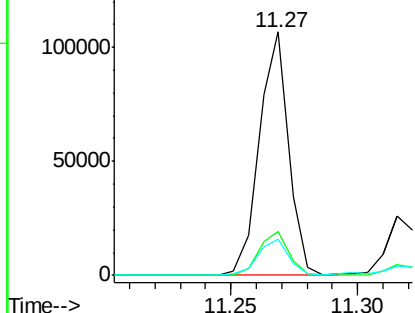
#70
Phenanthrene
Concen: 6.16 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 86465
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.7 12.6 19.0

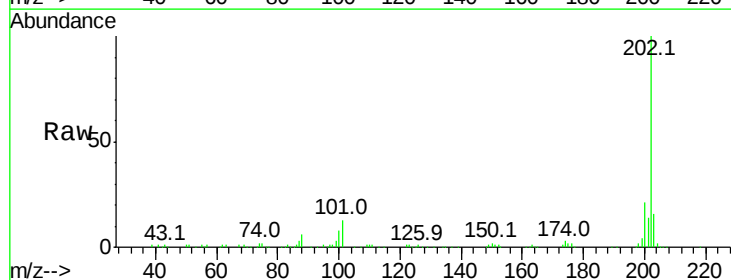


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

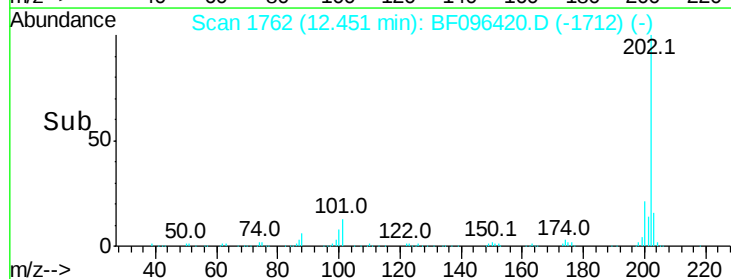
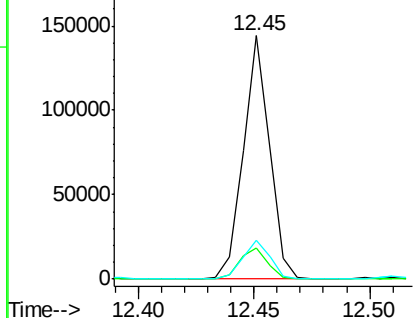


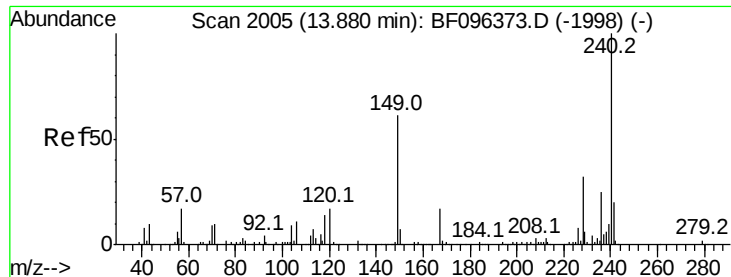
#74
Fluoranthene
Concen: 8.34 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Tgt Ion:202 Resp: 114725
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.2
203 15.8 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

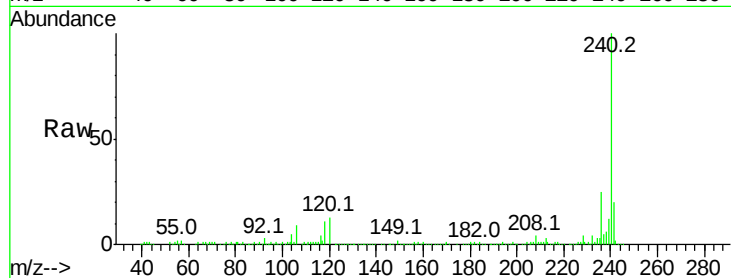
Tot Ion:240 Resp: 205490

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

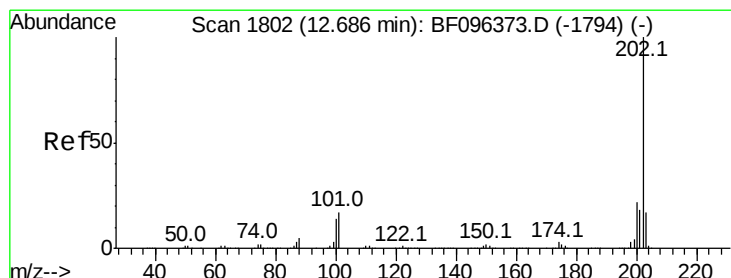
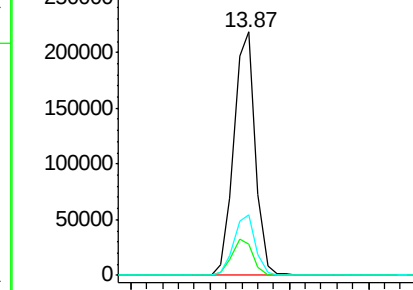
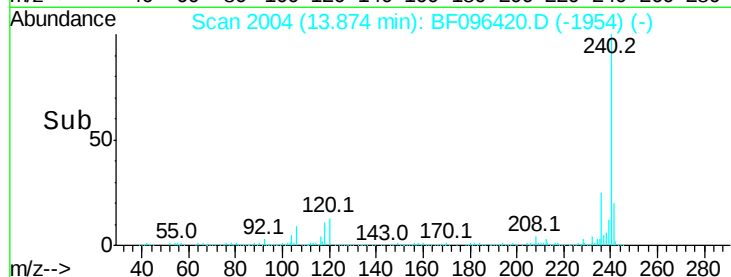
236 24.7 20.5 30.7



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: 6.88 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

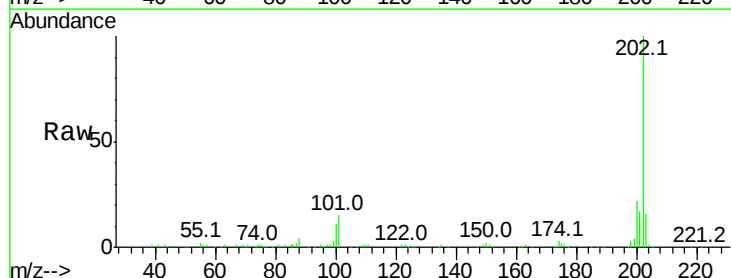
Tgt Ion:202 Resp: 113454

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

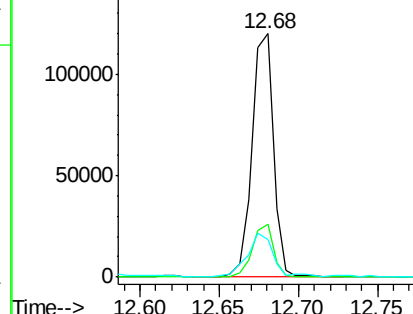
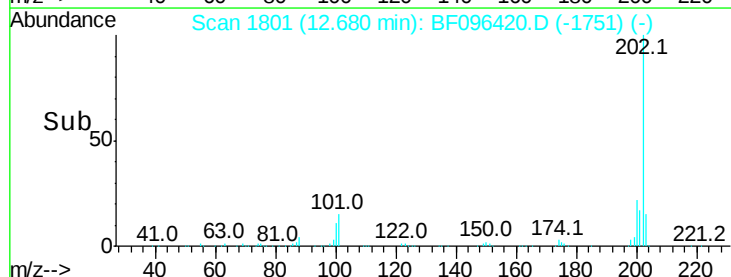
203 15.6 14.4 21.6

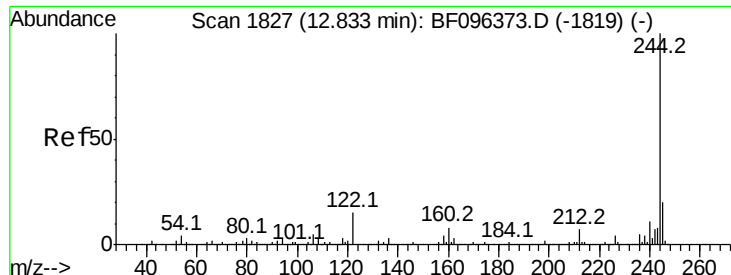


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 37.37 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

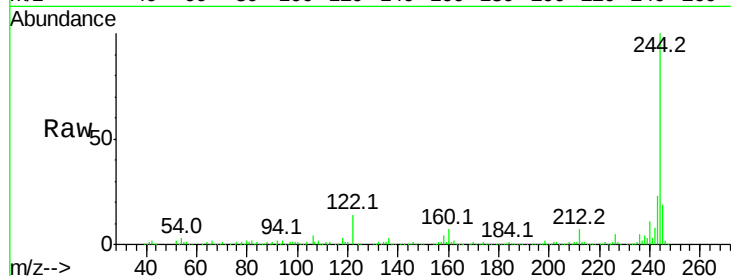
Tot Ion:244 Resp: 359371

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

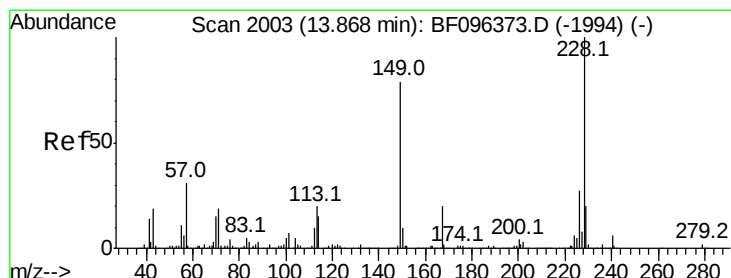
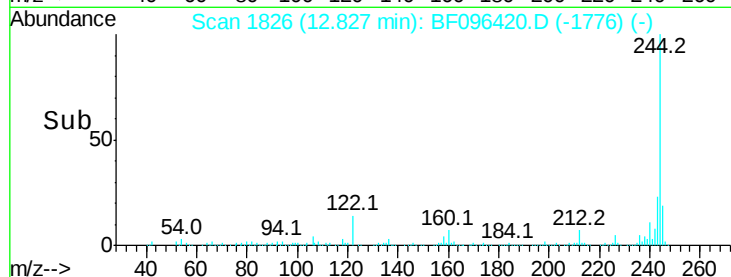
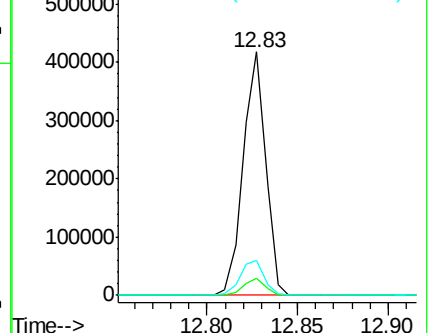
122 14.3 10.3 15.5



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: 3.93 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

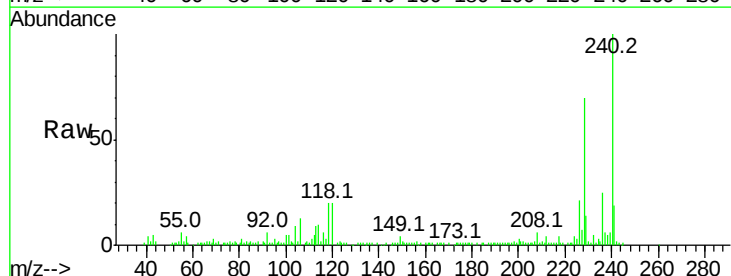
Tgt Ion:228 Resp: 46759

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

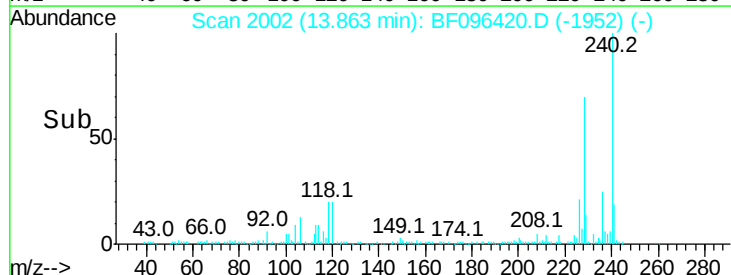
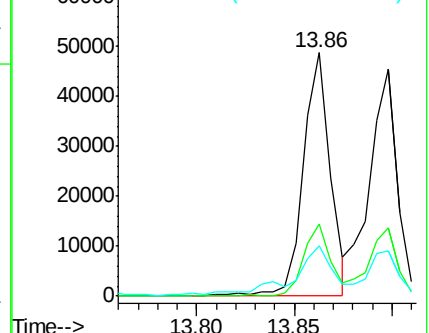
229 20.6 16.3 24.5

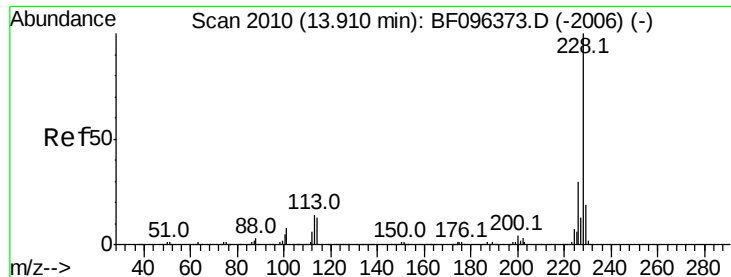


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.64 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

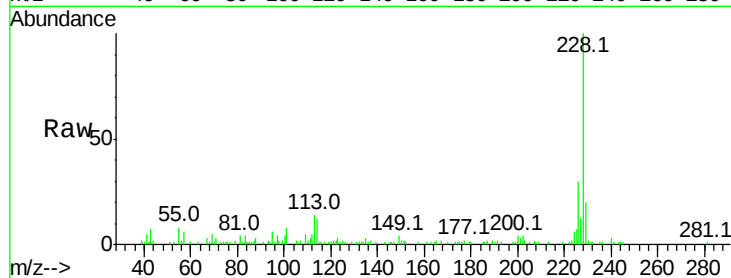
Tot Ion:228 Resp: 45316

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

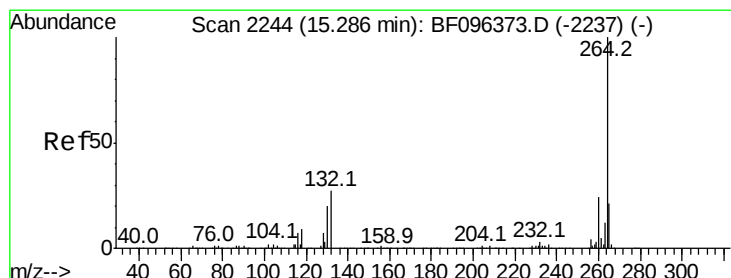
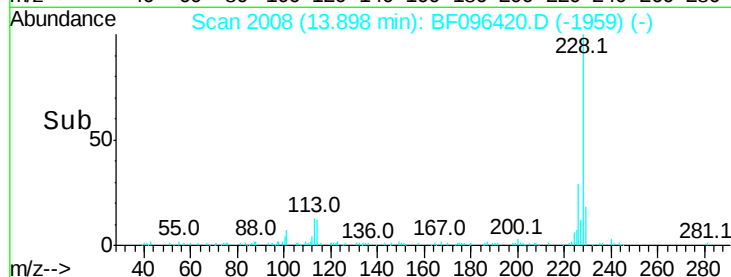
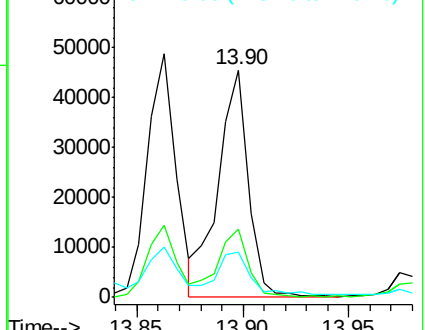
229 20.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

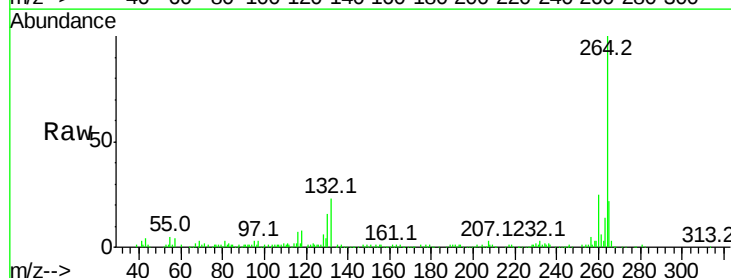
Tgt Ion:264 Resp: 145165

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

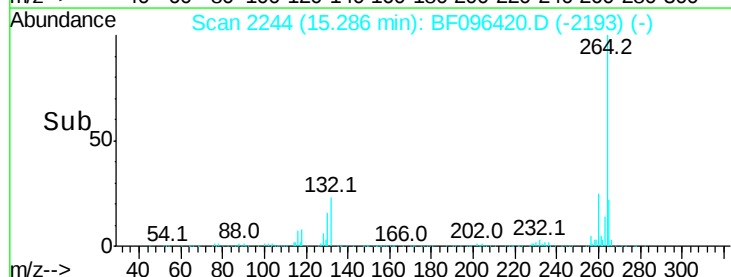
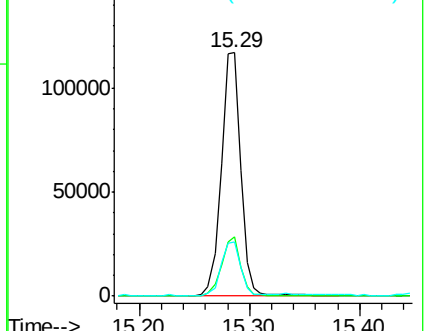
265 22.0 17.2 25.8

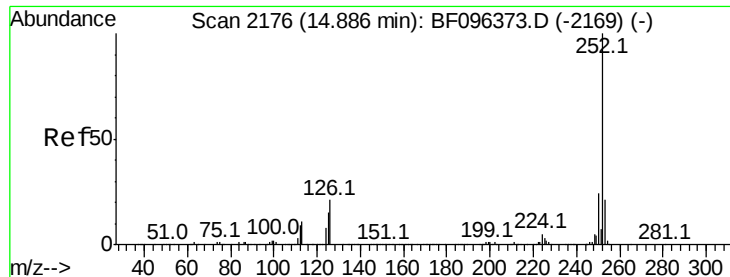


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.37 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

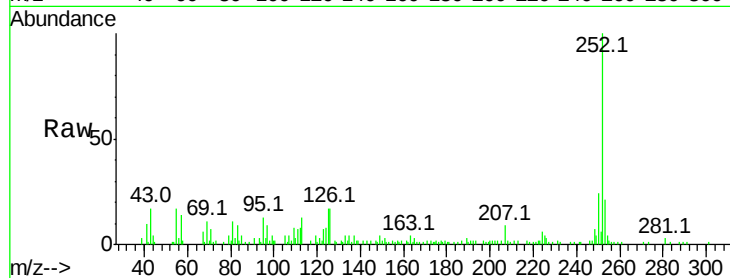
Tot Ion:252 Resp: 57918

Ion Ratio Lower Upper

252 100

253 21.2 18.1 27.1

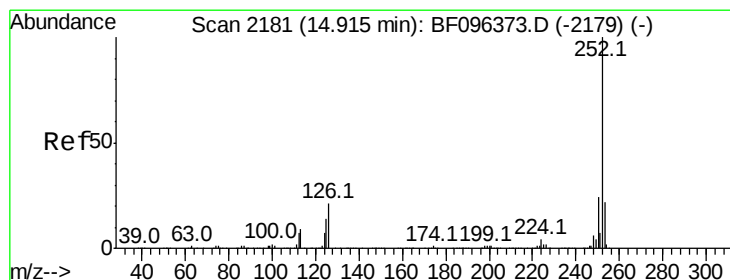
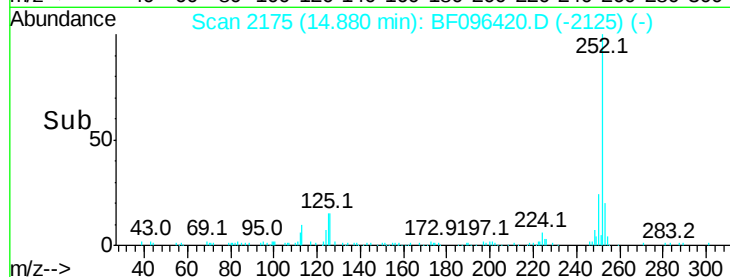
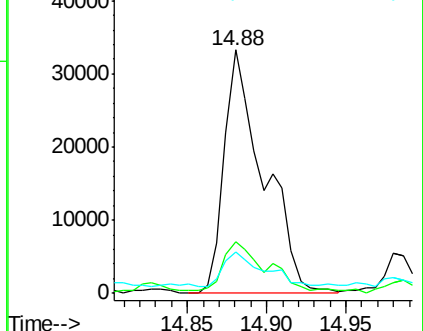
125 17.1 9.8 14.8#



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: 7.12 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF096420.D

Acq: 2 Jul 2017 17:08

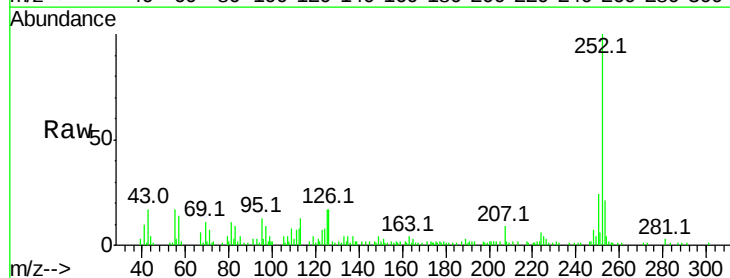
Tgt Ion:252 Resp: 57918

Ion Ratio Lower Upper

252 100

253 21.2 18.4 27.6

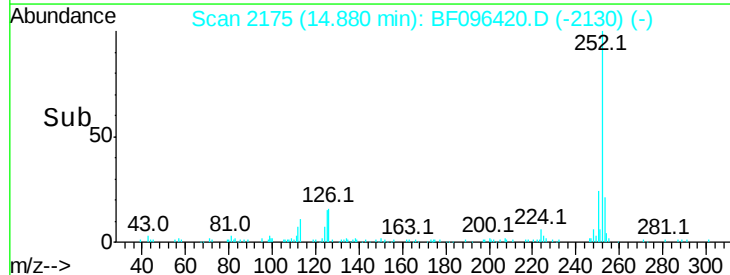
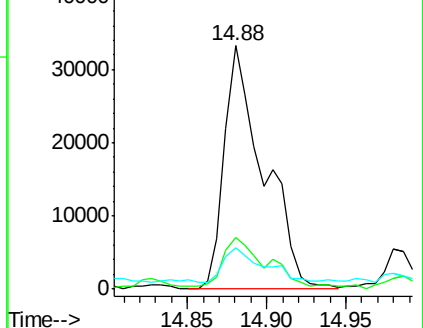
125 17.1 13.1 19.7

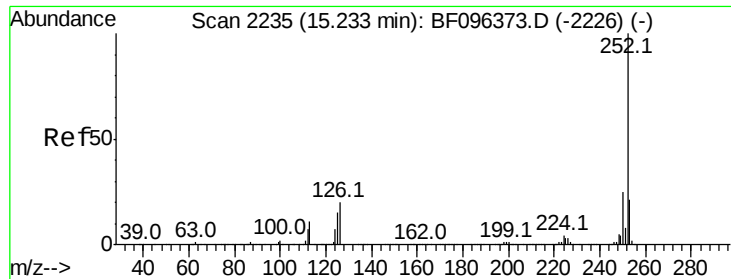


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

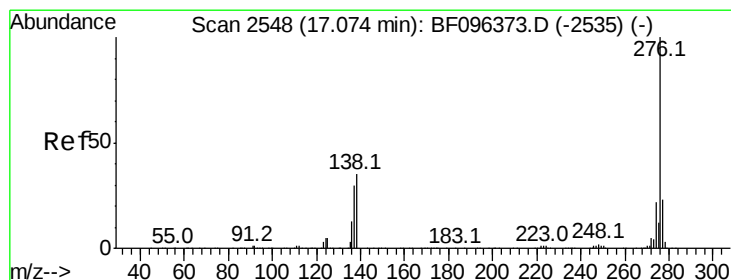
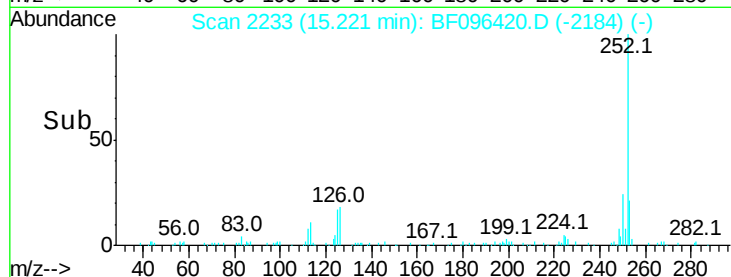
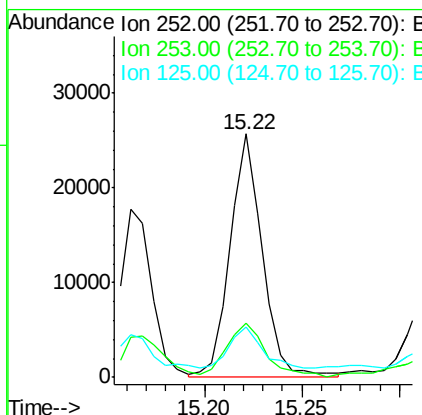
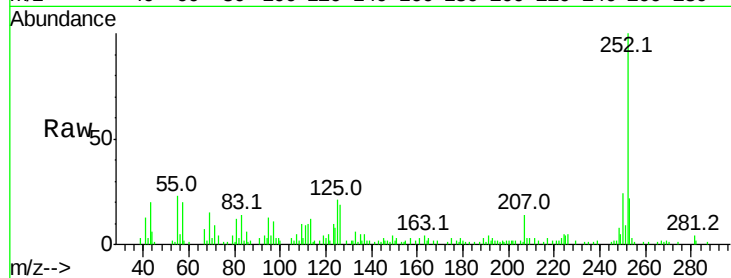




#89
Benzo(a)pyrene
Concen: 3.64 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 29568
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 20.8 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.38 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF096420.D
Acq: 2 Jul 2017 17:08

Tgt Ion:276 Resp: 15728
Ion Ratio Lower Upper
276 100
277 20.9 18.6 28.0
138 29.1 25.4 38.0

