

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096489.D
 Acq On : 5 Jul 2017 17:38
 Operator : SJ/MA
 Sample : I3871-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:40:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	105329	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	431313	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	168466	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	235063	20.00	ng	0.00
75) Chrysene-d12	13.86	240	204008	20.00	ng	-0.01
86) Perylene-d12	15.27	264	159154	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	633553	88.78	ng	0.00
7) Phenol-d6	6.35	99	752467	85.77	ng	0.00
23) Nitrobenzene-d5	7.27	82	426271	59.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	115164	87.52	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	602778	61.18	ng	0.00
78) Terphenyl-d14	12.81	244	334310	35.02	ng	0.00

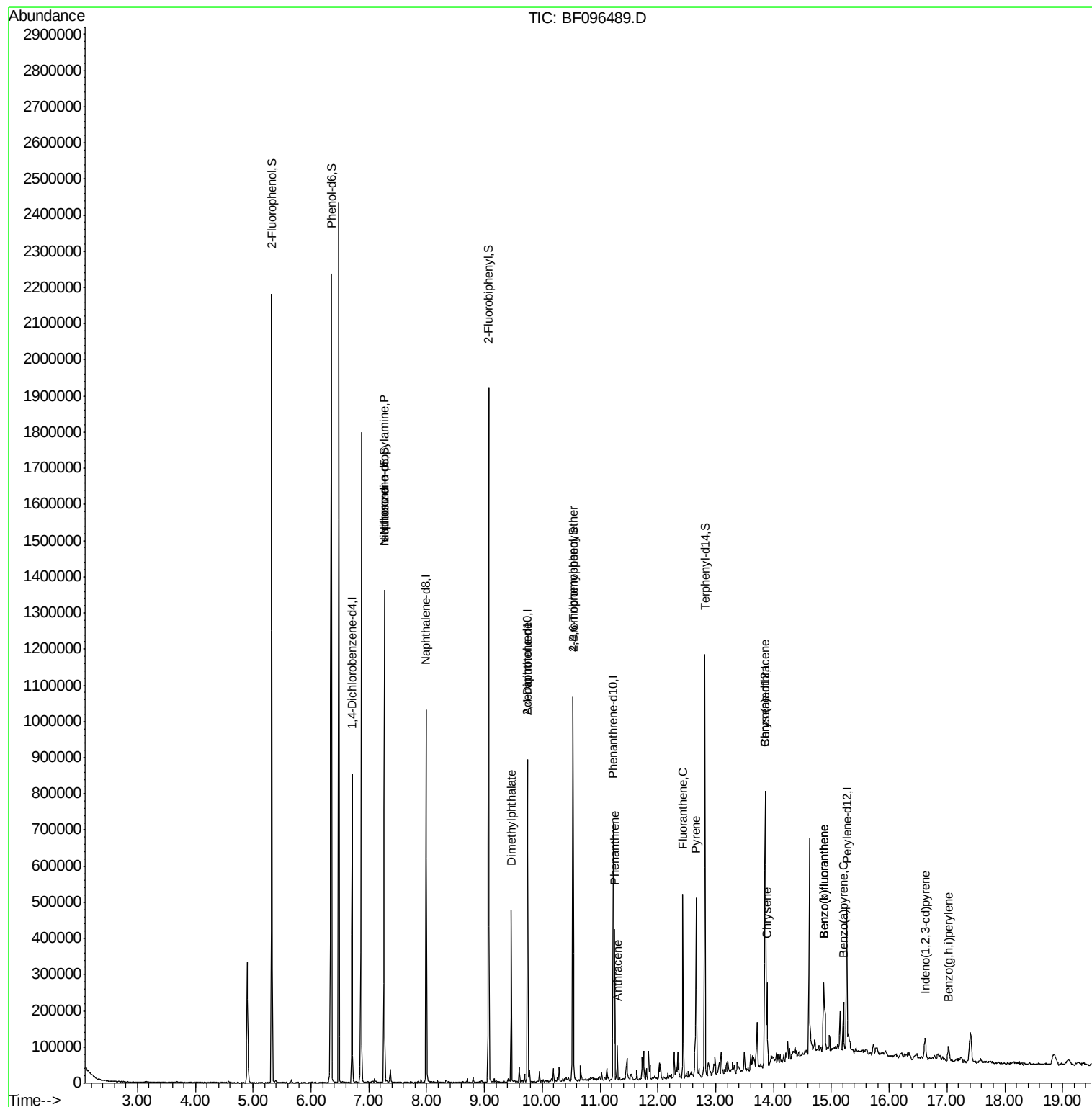
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	55978	10.71	ng	# 88
25) Isophorone	7.27	82	425900	30.60	ng	# 67
49) Dimethylphthalate	9.46	163	182114	14.48	ng	99
56) 2,4-Dinitrotoluene	9.75	165	21887	6.21	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	7571	3.31	ng	# 1
70) Phenanthrene	11.25	178	144008	11.33	ng	97
71) Anthracene	11.30	178	32142	2.48	ng	96
74) Fluoranthene	12.43	202	192289	15.43	ng	98
77) Pyrene	12.66	202	180138	11.00	ng	99
80) Benzo(a)anthracene	13.85	228	89151	7.55	ng	99
82) Chrysene	13.89	228	86412	6.98	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	33679	3.45	ng	98
87) Benzo(b)fluoranthene	14.87	252	121312	12.16	ng	99
88) Benzo(k)fluoranthene	14.87	252	121312	13.60	ng	97
89) Benzo(a)pyrene	15.21	252	61347	6.89	ng	100
91) Benzo(g,h,i)perylene	17.03	276	29750	4.10	ng	93

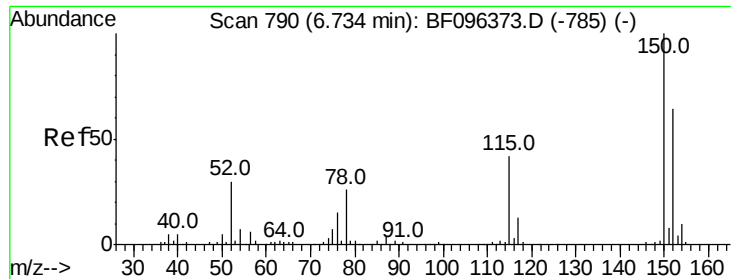
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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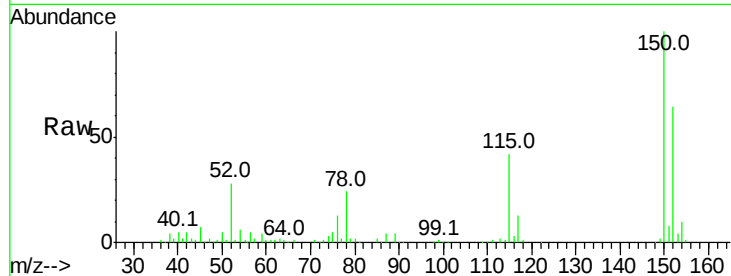


#1

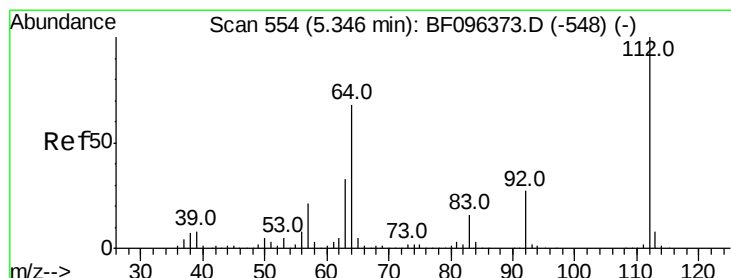
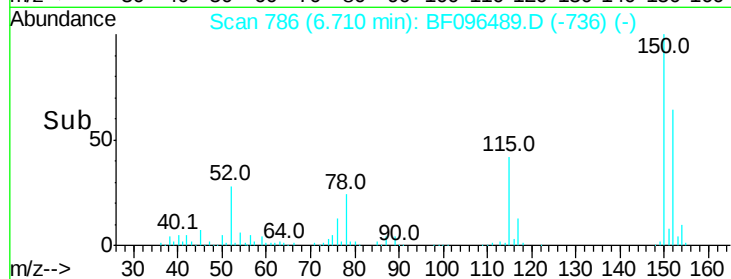
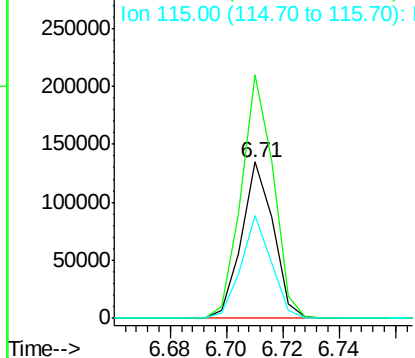
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105329
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 65.8 52.2 78.2



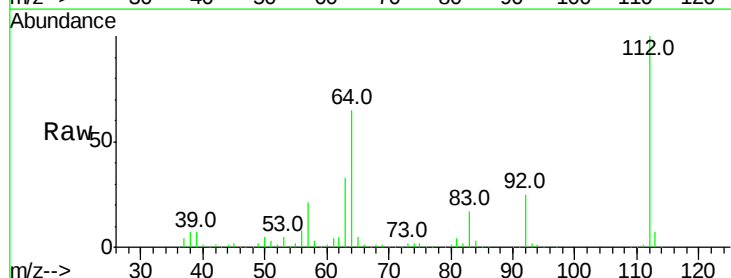
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



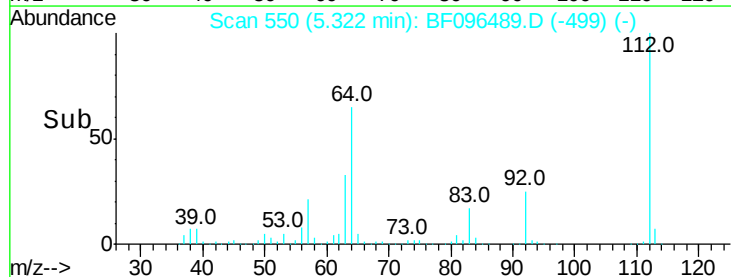
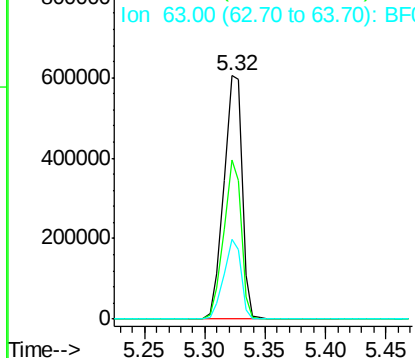
#5

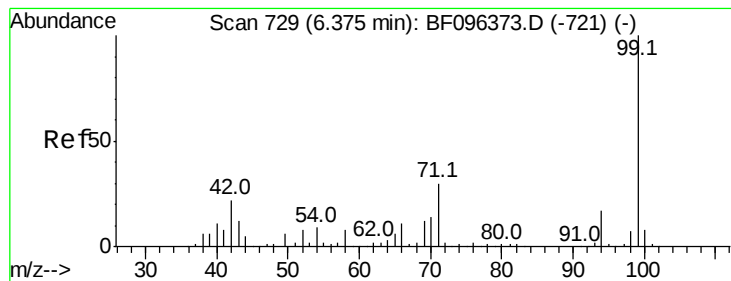
2-Fluorophenol
Concen: 88.78 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:112 Resp: 633553
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 32.9 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: 85.77 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

Instrument :

BNA_F

ClientSampleId :

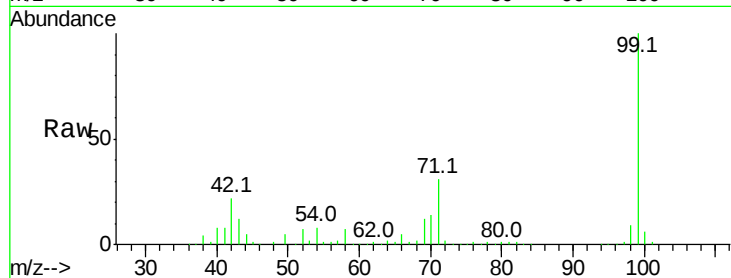
Tot Ion: 99 Resp: 752467

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

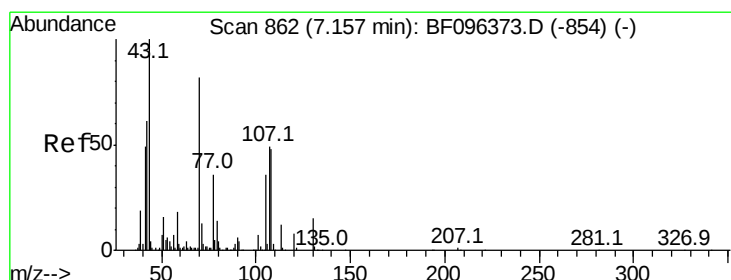
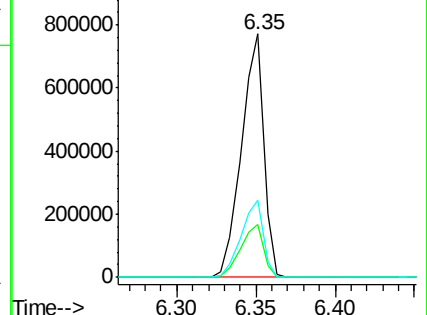
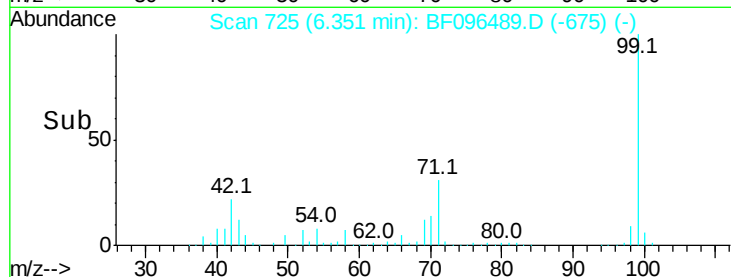
71 31.5 24.5 36.7



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: 10.71 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

Tgt Ion: 70 Resp: 55978

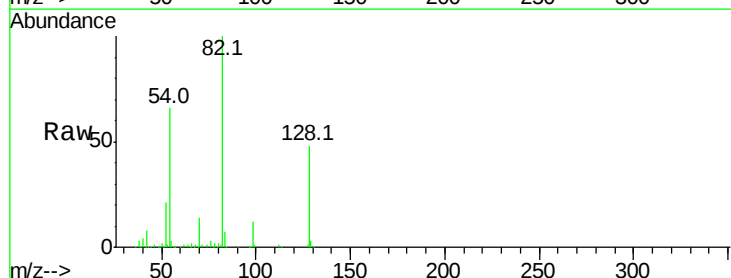
Ion Ratio Lower Upper

70 100

42 57.9 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

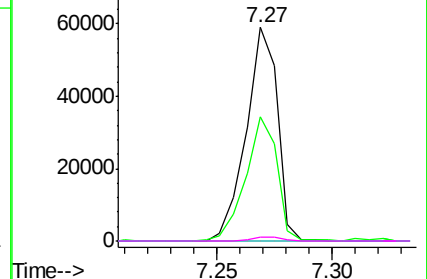
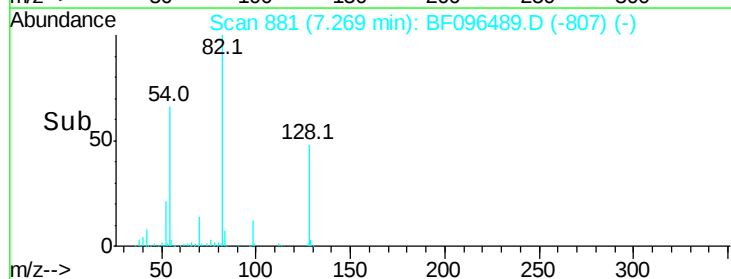


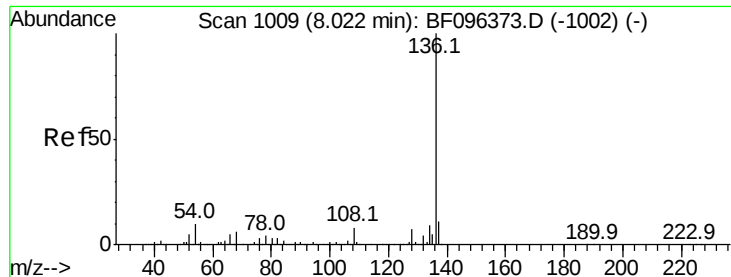
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

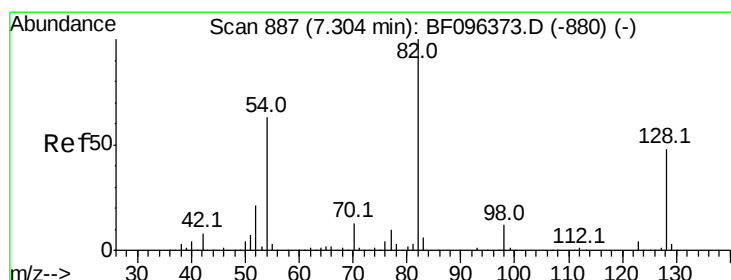
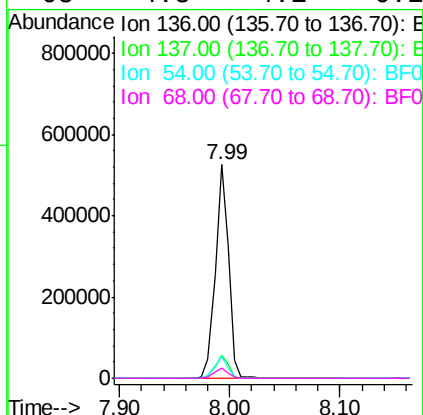
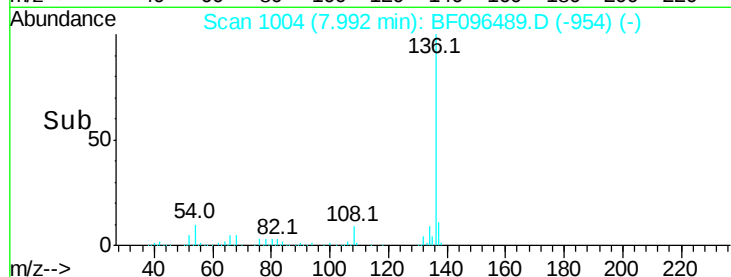
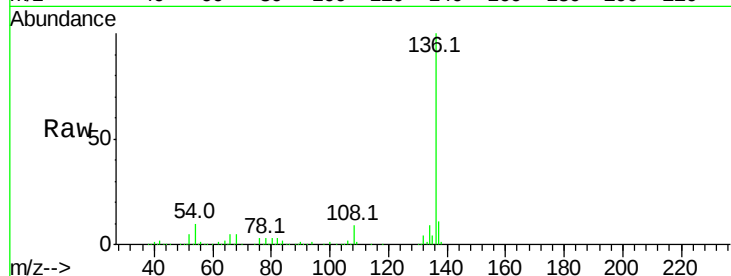




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

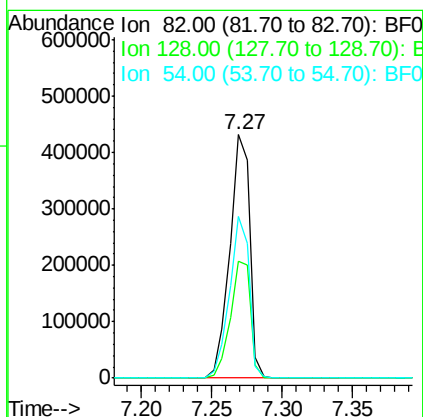
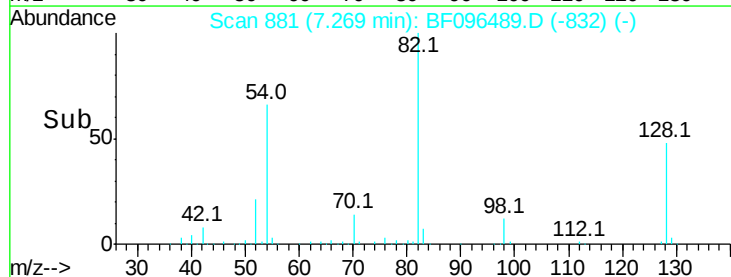
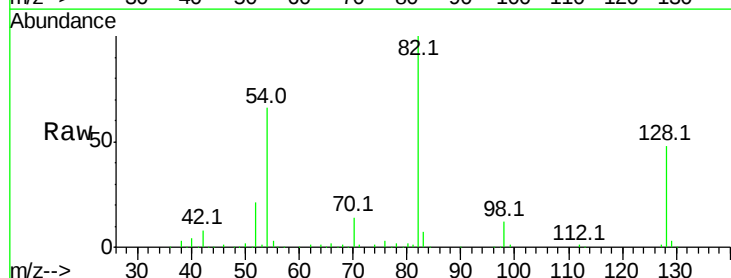
Instrument :
BNA_F
ClientSampleId :

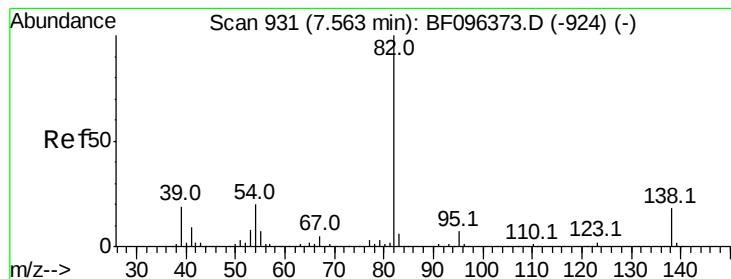
Tot Ion:	136	Resp:	431313
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.0	4.9	7.3#
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 59.39 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:	82	Resp:	426271
Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	66.4	42.2	63.2#





#25

Isophorone

Concen: 30.60 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

Instrument :

BNA_F

ClientSampleId :

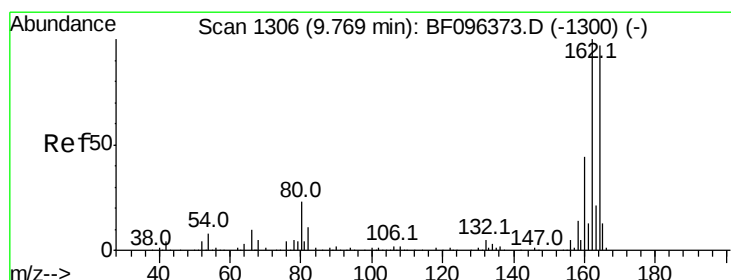
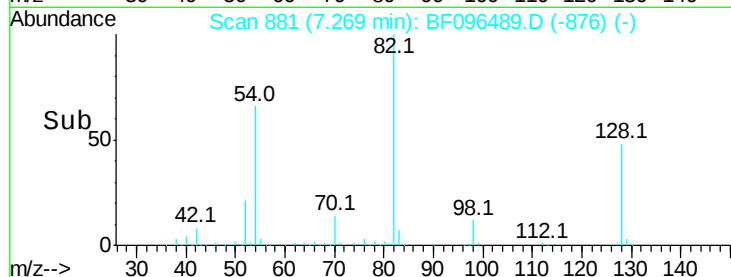
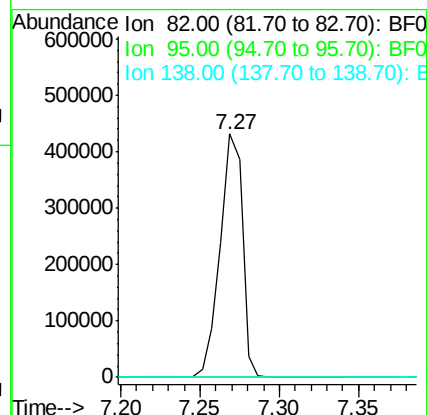
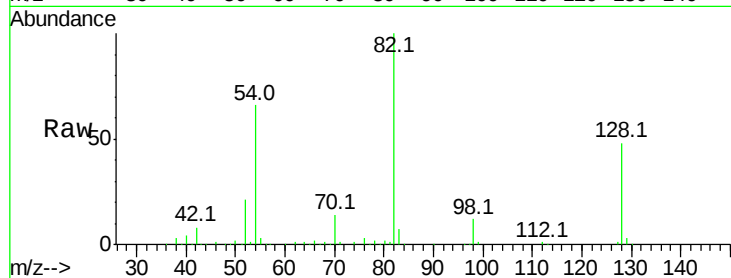
Tot Ion: 82 Resp: 425900

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

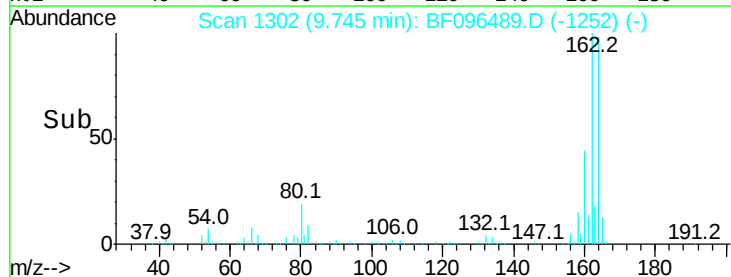
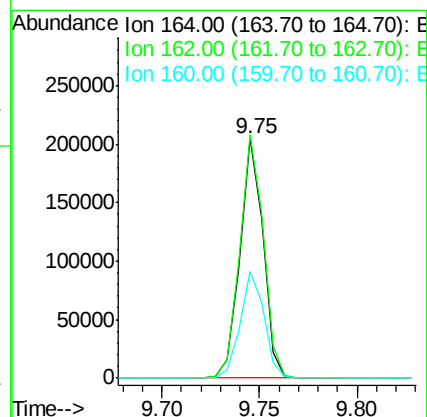
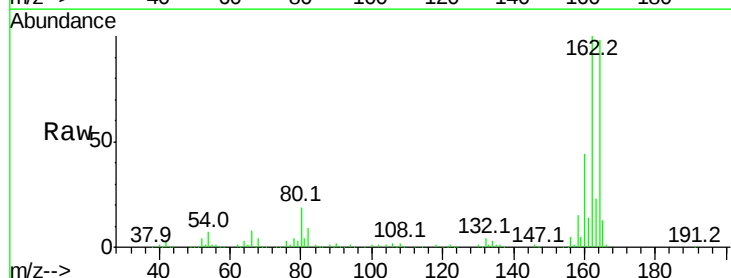
Tgt Ion:164 Resp: 168466

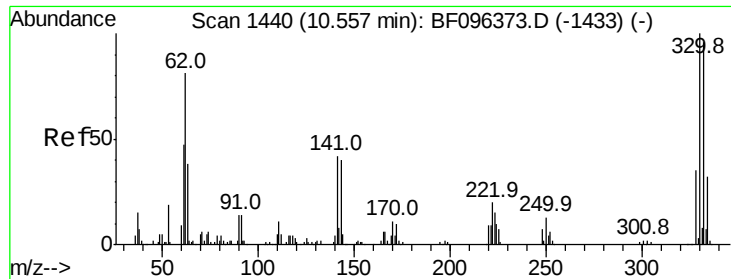
Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

160 44.8 36.2 54.2

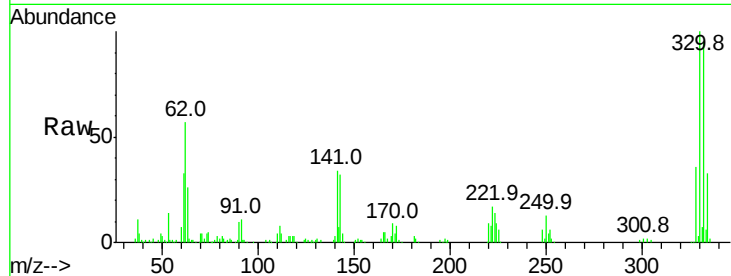




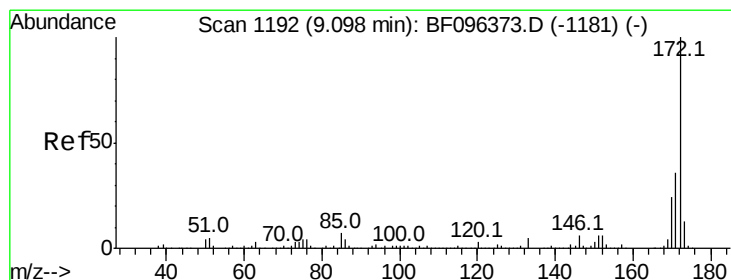
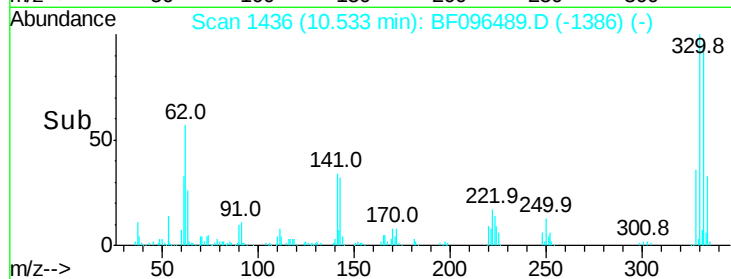
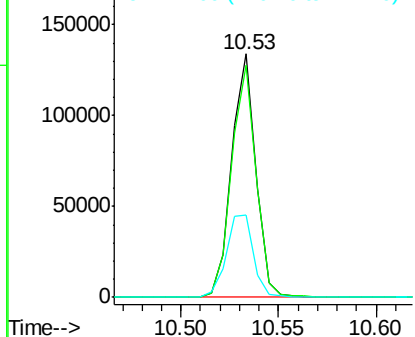
#41
 2,4,6-Tribromophenol
 Concen: 87.52 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 115164
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 38.0 31.4 47.2

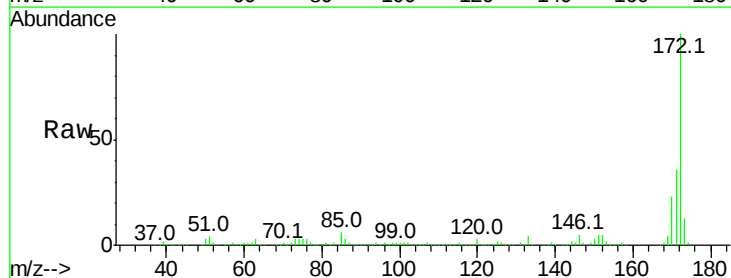


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

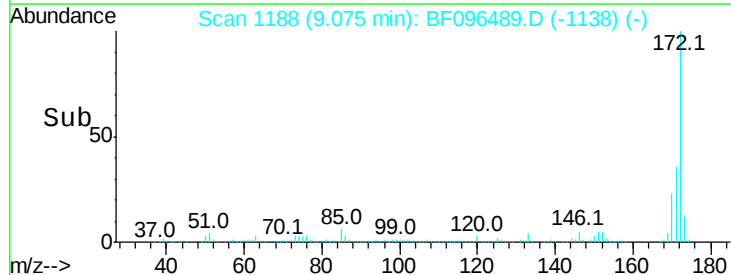
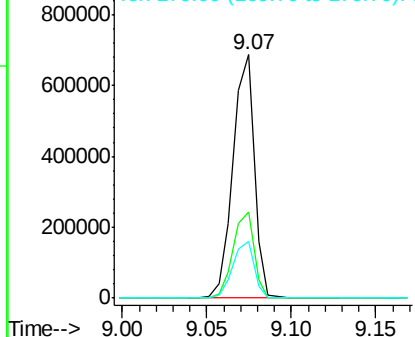


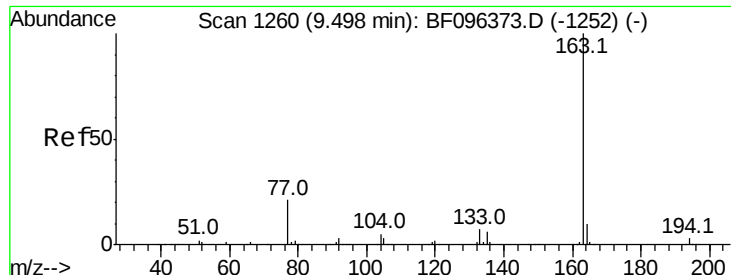
#44
 2-Fluorobiphenyl
 Concen: 61.18 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Tgt Ion:172 Resp: 602778
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.5 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: 14.48 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

Instrument :

BNA_F

ClientSampleId :

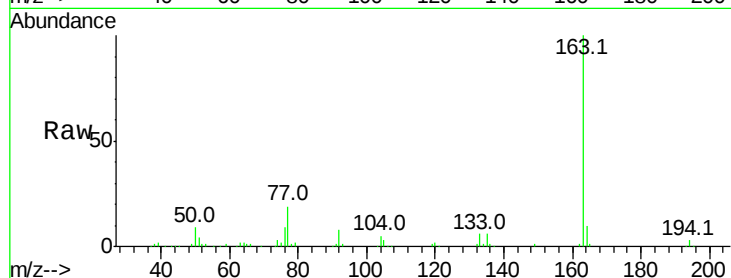
Tot Ion:163 Resp: 182114

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

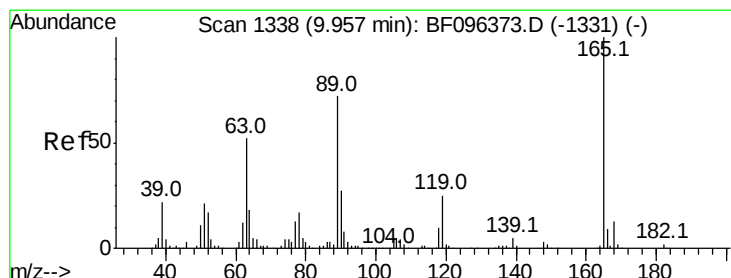
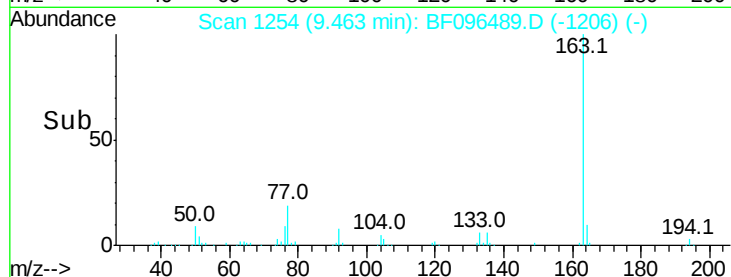
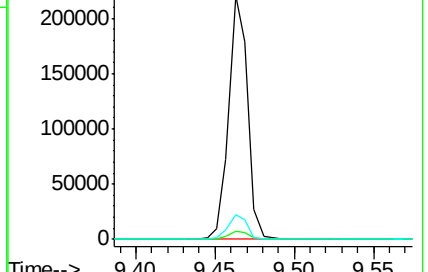
164 10.3 8.4 12.6



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: 6.21 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.19 min

Lab File: BF096489.D

Acq: 5 Jul 2017 17:38

Tgt Ion:165 Resp: 21887

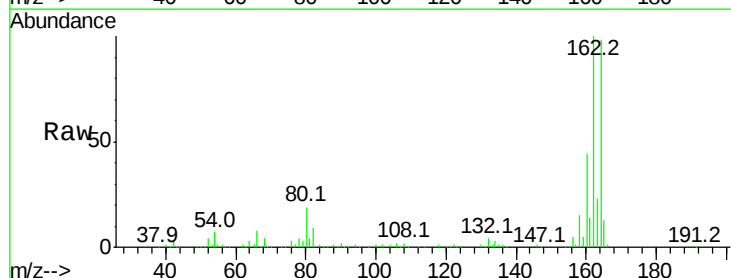
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

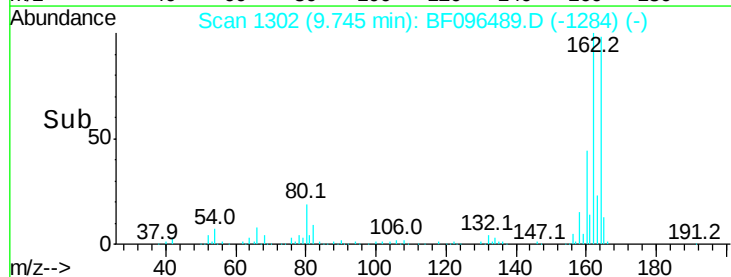
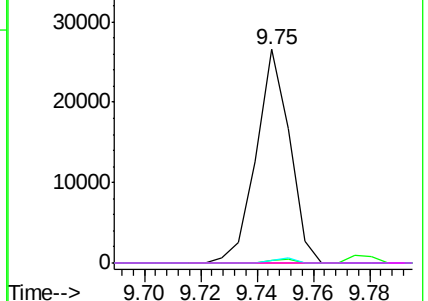


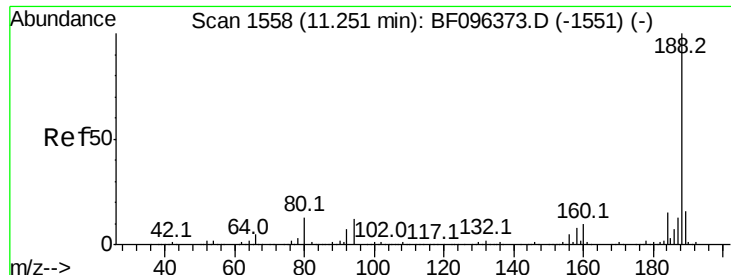
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

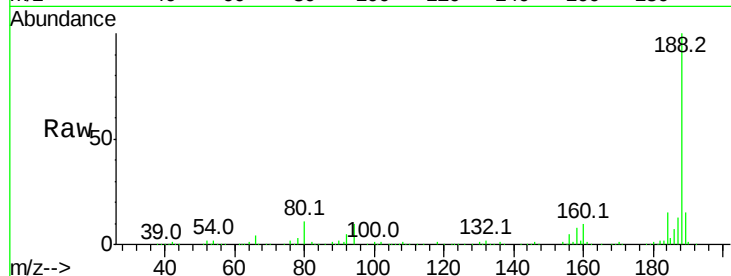




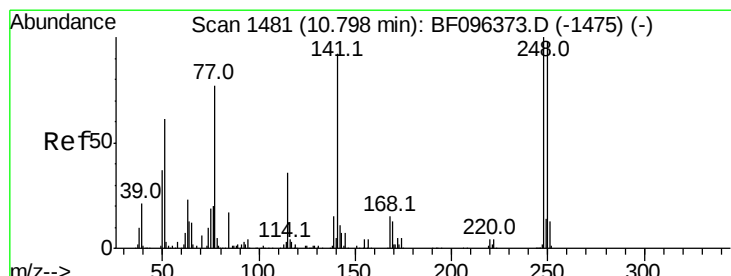
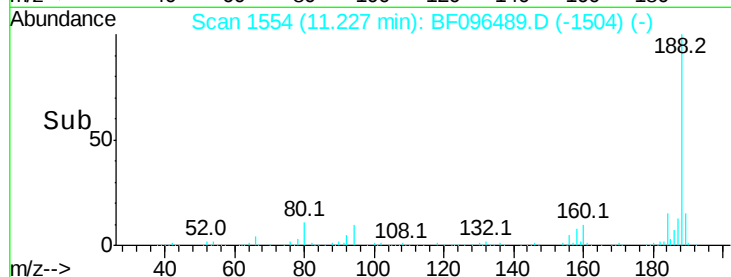
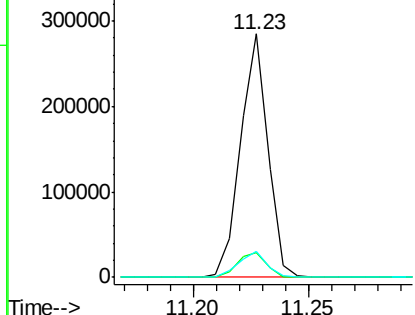
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 235063
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.4 14.2
 80 10.6 10.2 15.2

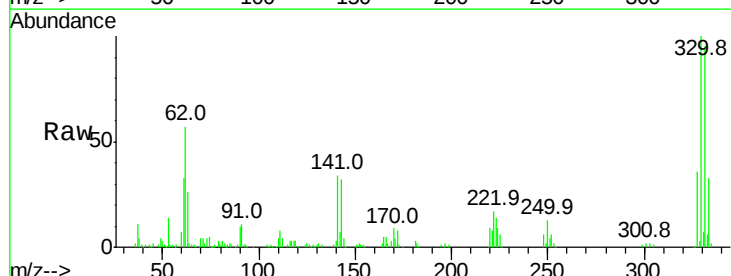


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

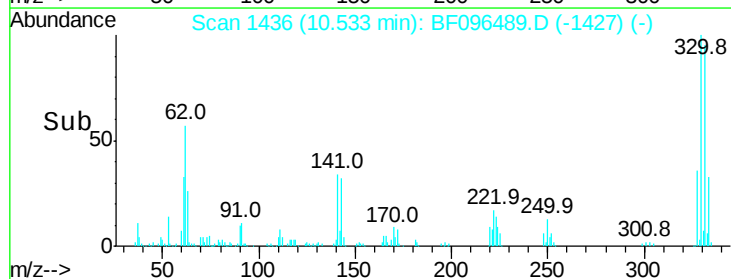
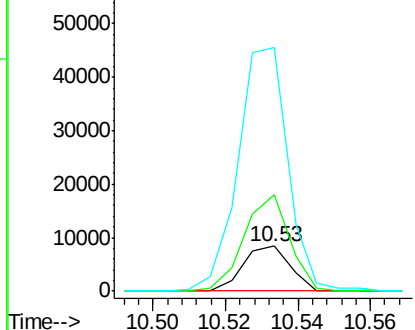


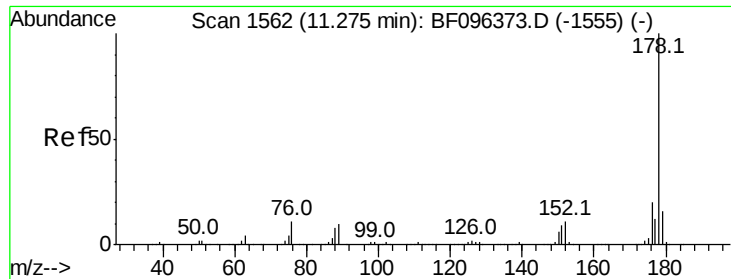
#66
 4-Bromophenyl-phenylether
 Concen: 3.31 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Tgt Ion:248 Resp: 7571
 Ion Ratio Lower Upper
 248 100
 250 216.1 76.8 115.2#
 141 544.6 68.6 103.0#



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

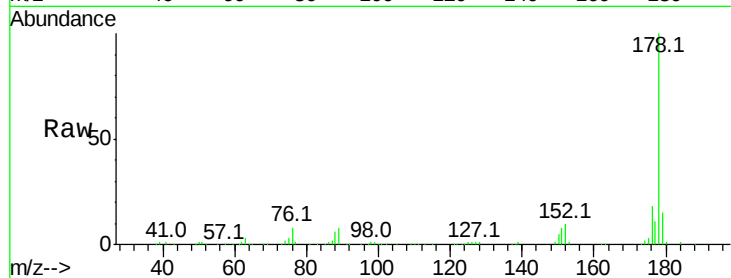




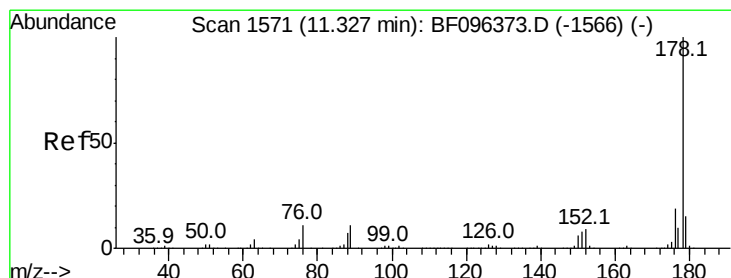
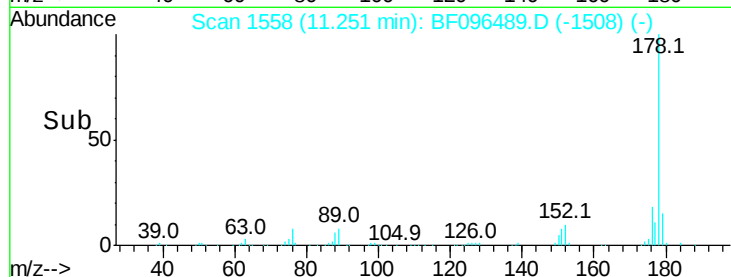
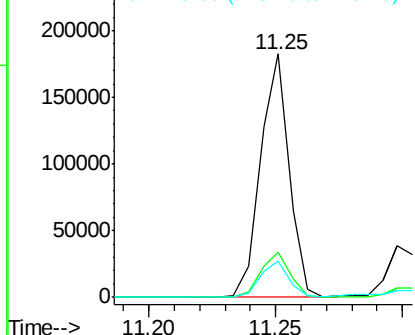
#70
Phenanthrene
Concen: 11.33 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 144008
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 14.7 12.6 19.0

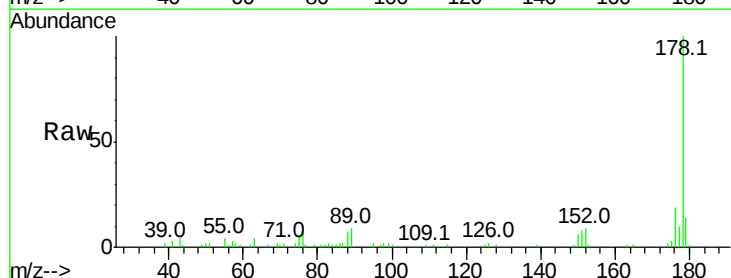


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

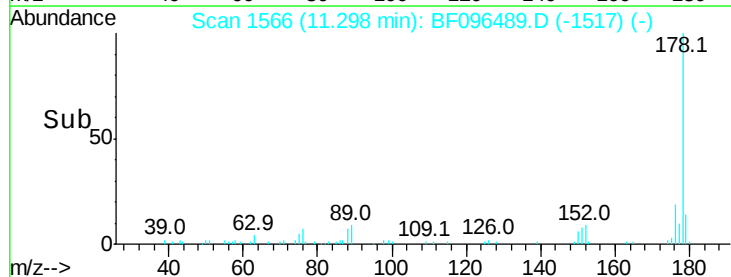
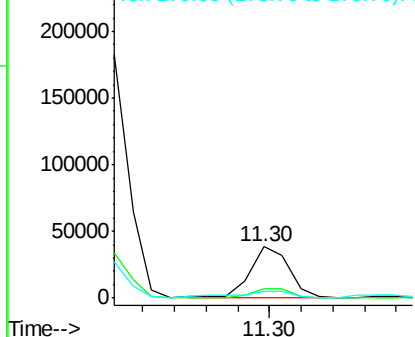


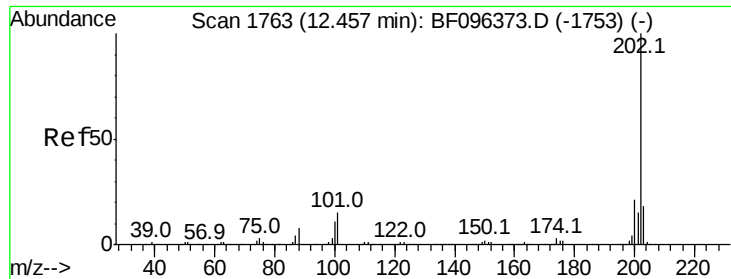
#71
Anthracene
Concen: 2.48 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:178 Resp: 32142
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 13.6 12.7 19.1



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

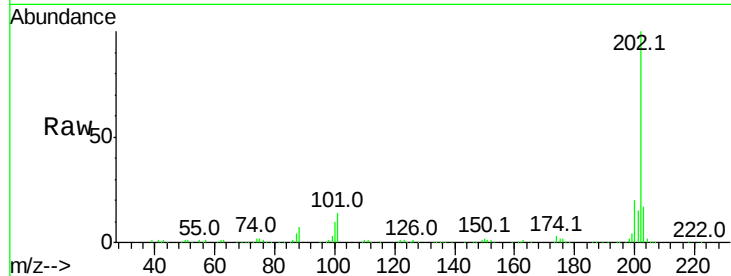




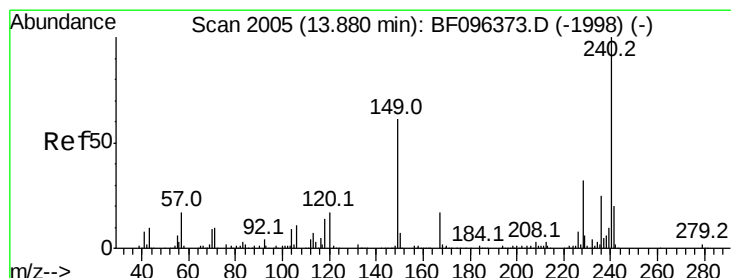
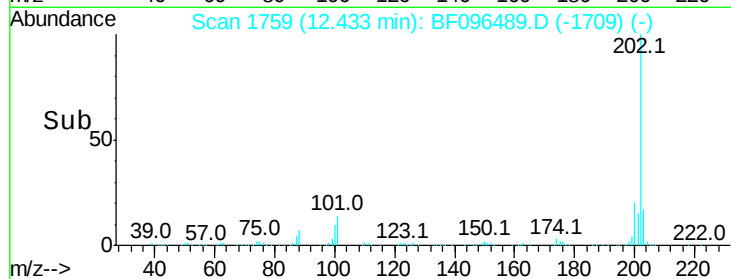
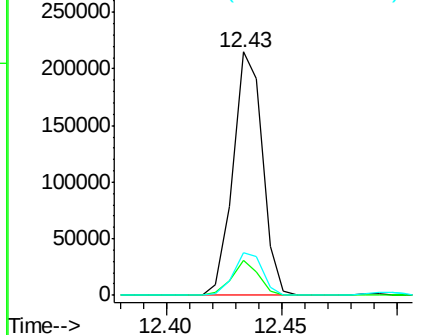
#74
Fluoranthene
Concen: 15.43 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.3	0.0	38.1

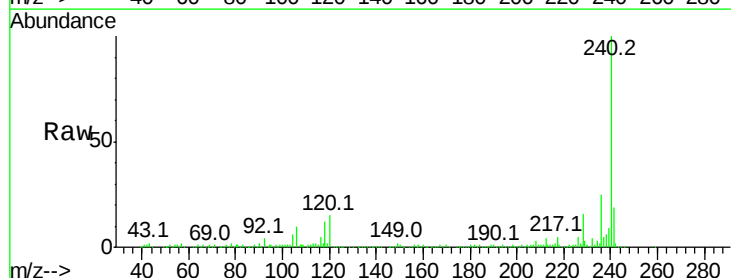


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

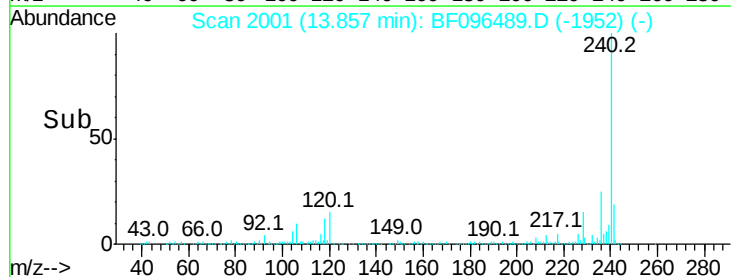
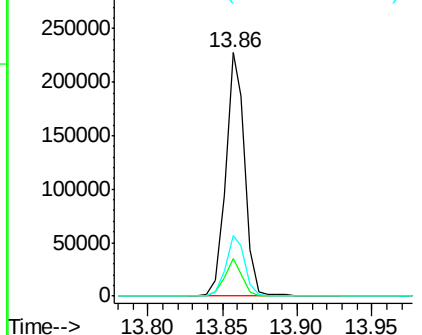


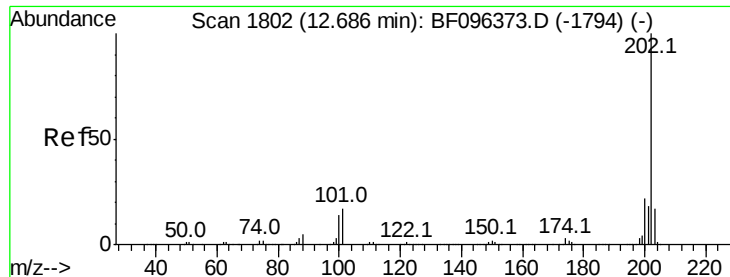
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	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

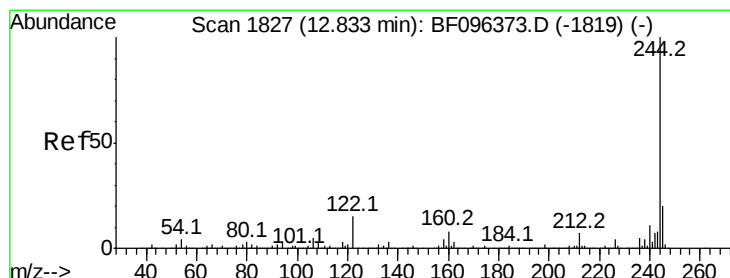
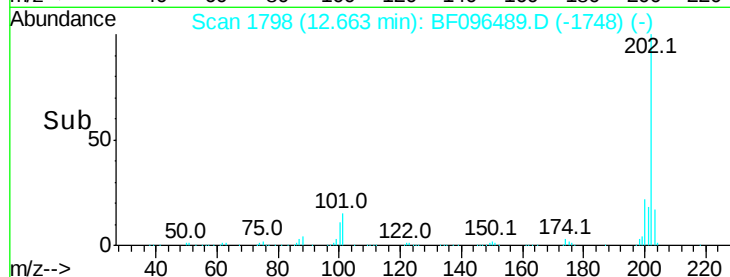
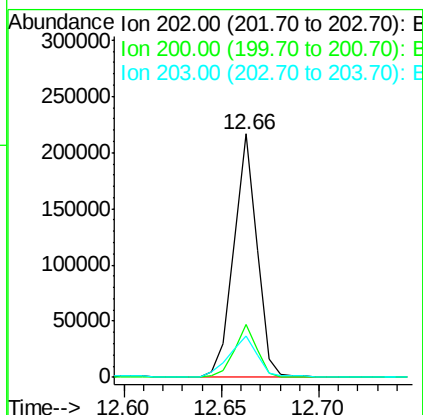
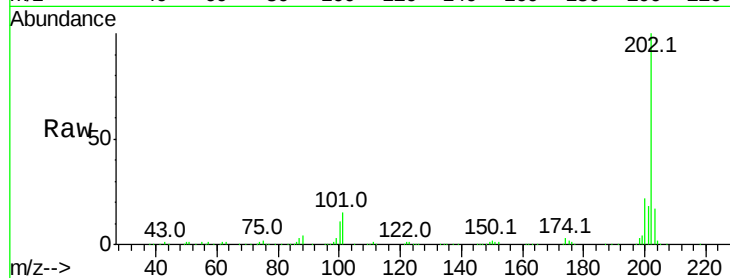




#77
Pvrene
Concen: 11.00 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

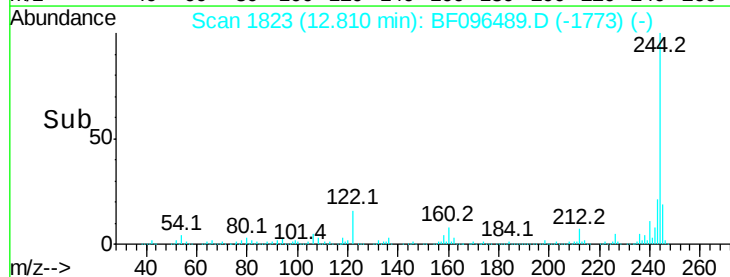
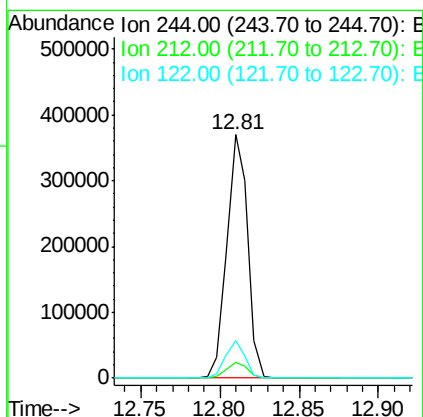
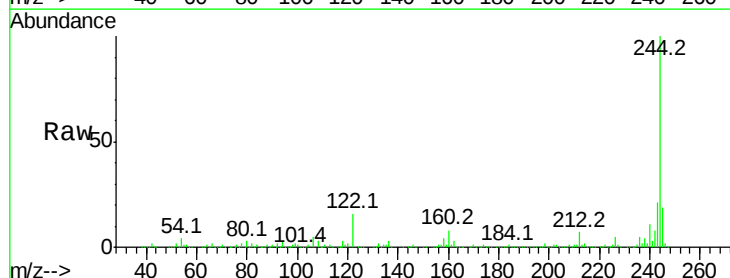
Instrument :
BNA_F
ClientSampled :

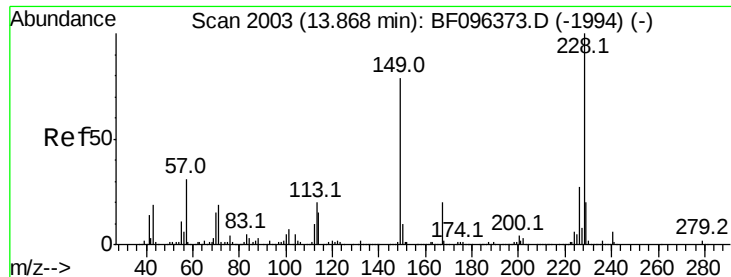
Tot Ion:202 Resp: 180138
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 17.1 14.4 21.6



#78
Terphenyl-d14
Concen: 35.02 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:244 Resp: 334310
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 15.6 10.3 15.5#

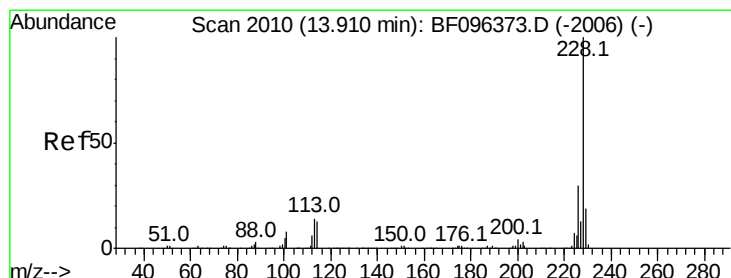
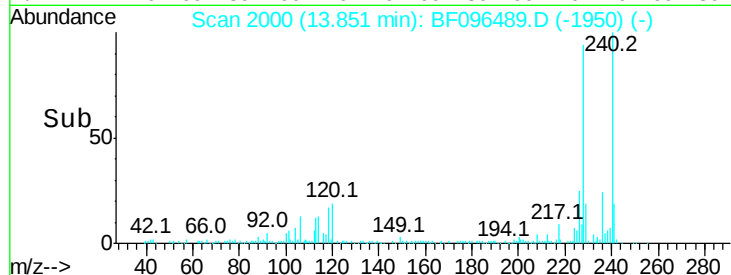
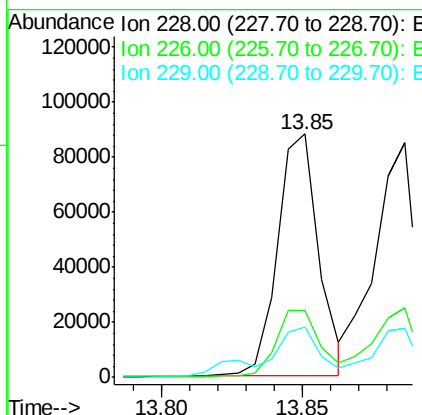
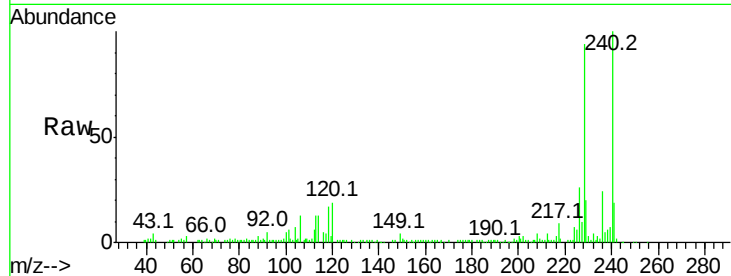




#80
Benzo(a)anthracene
Concen: 7.55 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

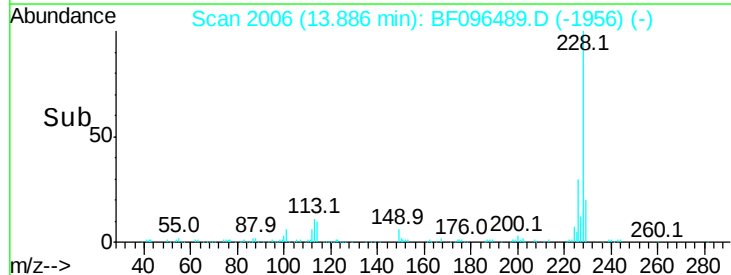
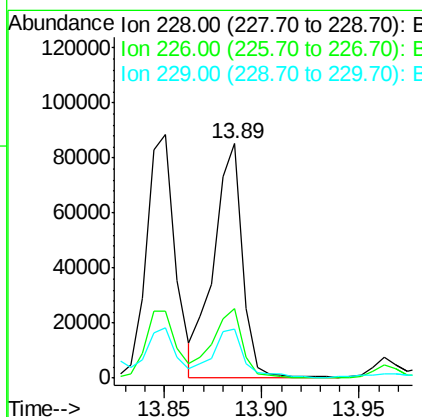
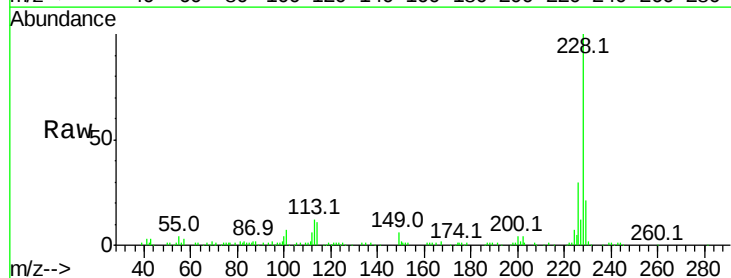
Instrument :
BNA_F
ClientSampleId :

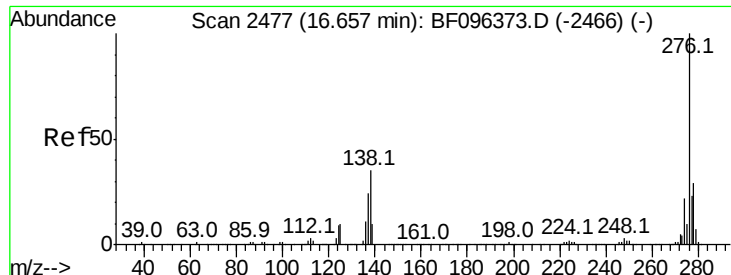
Tot Ion:228 Resp: 89151
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 20.8 16.3 24.5



#82
Chrysene
Concen: 6.98 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:228 Resp: 86412
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 20.9 15.8 23.6



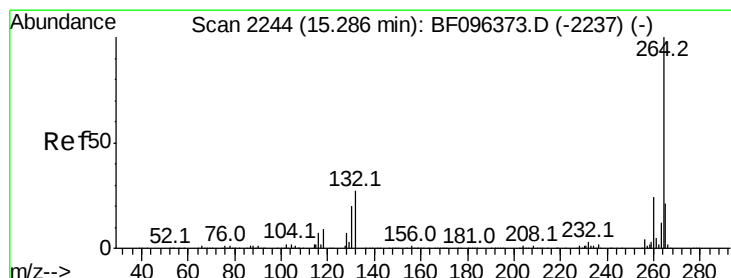
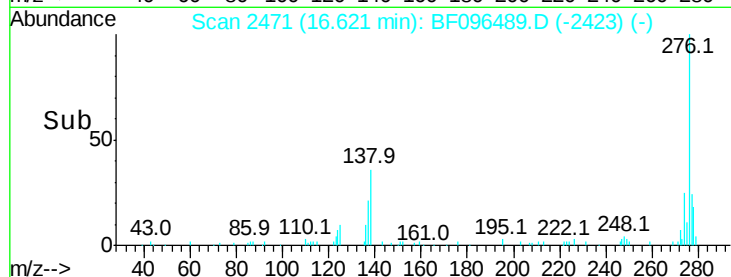
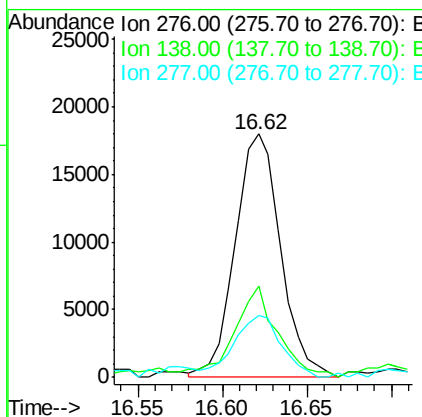
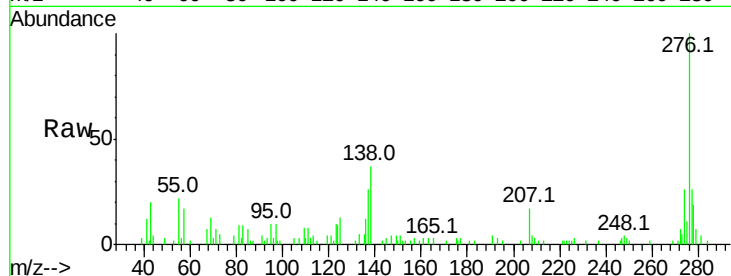


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.45 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.02 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 33679

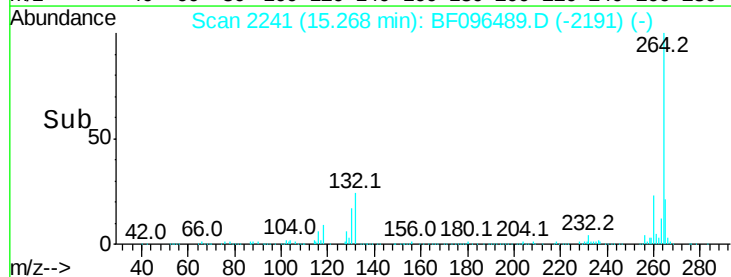
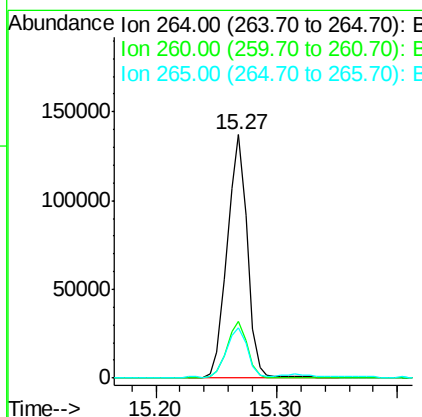
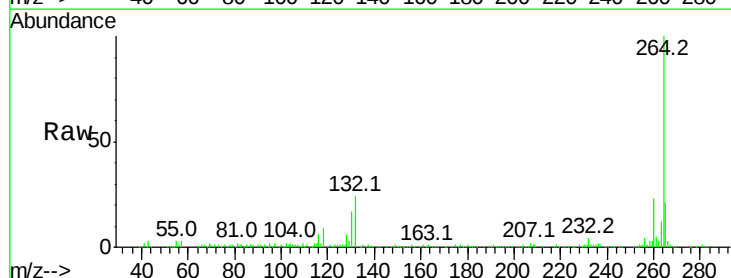
Ion	Ratio	Lower	Upper
276	100		
138	35.6	27.8	41.6
277	26.7	20.2	30.4

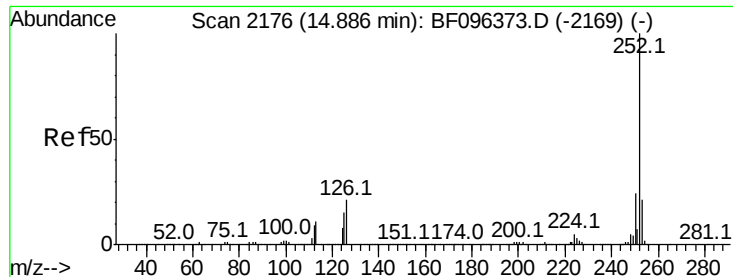


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF096489.D
 Acq: 5 Jul 2017 17:38

Tgt Ion:264 Resp: 159154

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.6	17.2	25.8

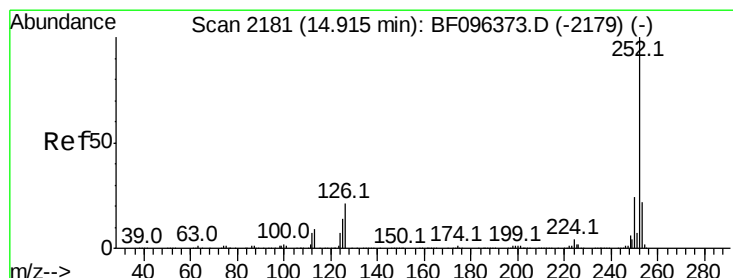
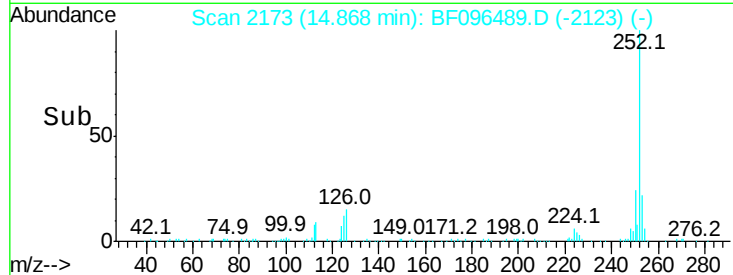
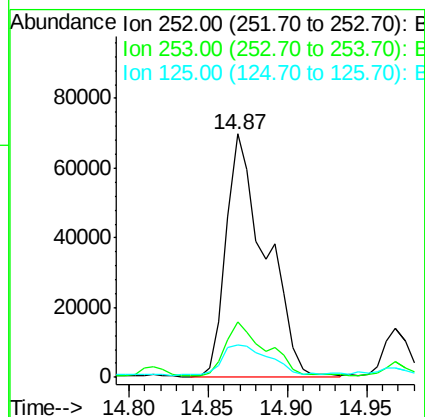
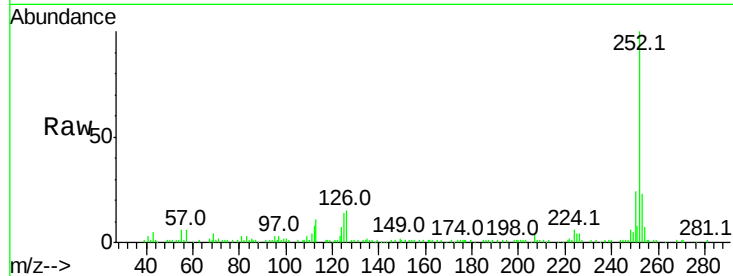




#87
Benzo(b)fluoranthene
Concen: 12.16 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

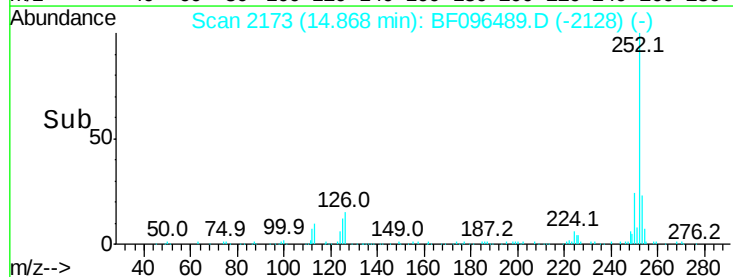
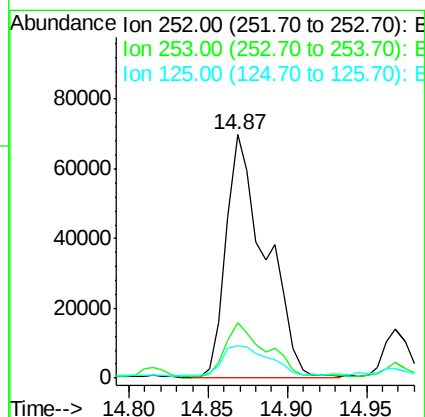
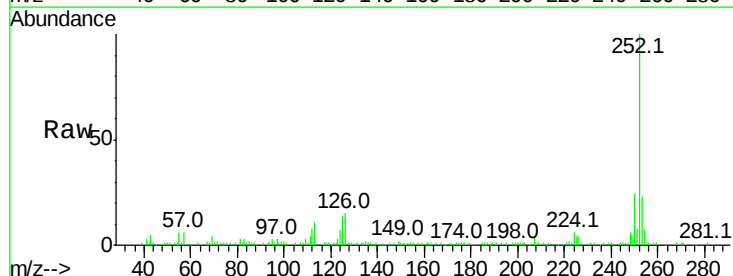
Instrument :
BNA_F
ClientSampleId :

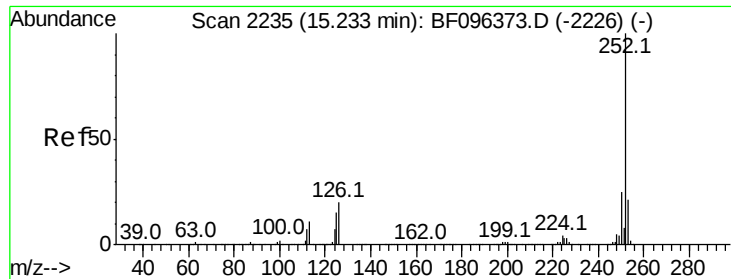
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.6	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 13.60 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	13.6	13.1	19.7

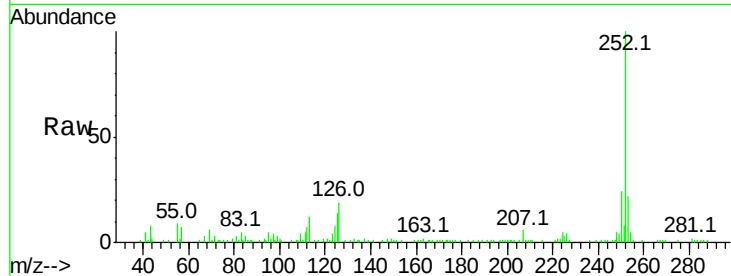




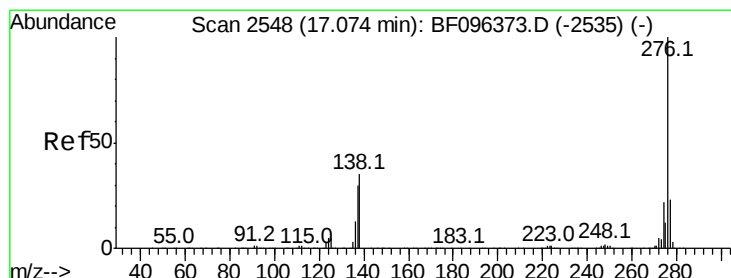
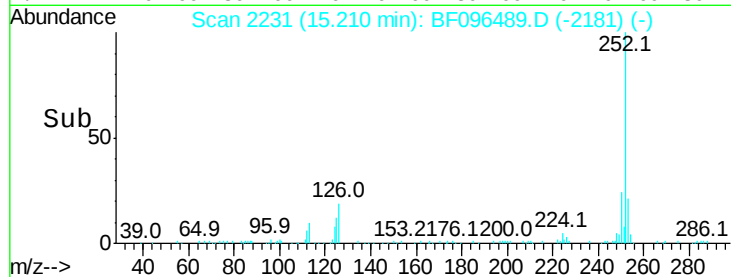
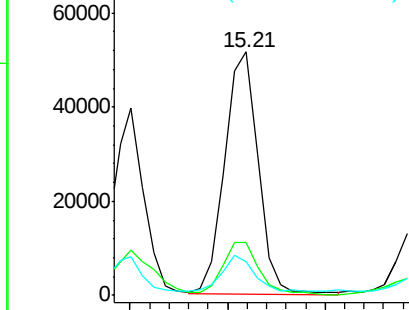
#89
Benzo(a)pyrene
Concen: 6.89 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 61347
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 14.0 11.0 16.4

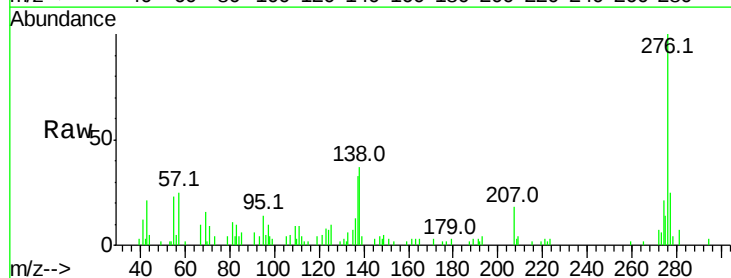


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.10 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF096489.D
Acq: 5 Jul 2017 17:38

Tgt Ion:276 Resp: 29750
Ion Ratio Lower Upper
276 100
277 25.5 18.6 28.0
138 36.5 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

