

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096490.D
 Acq On : 5 Jul 2017 18:05
 Operator : SJ/MA
 Sample : I3876-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:40:59 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

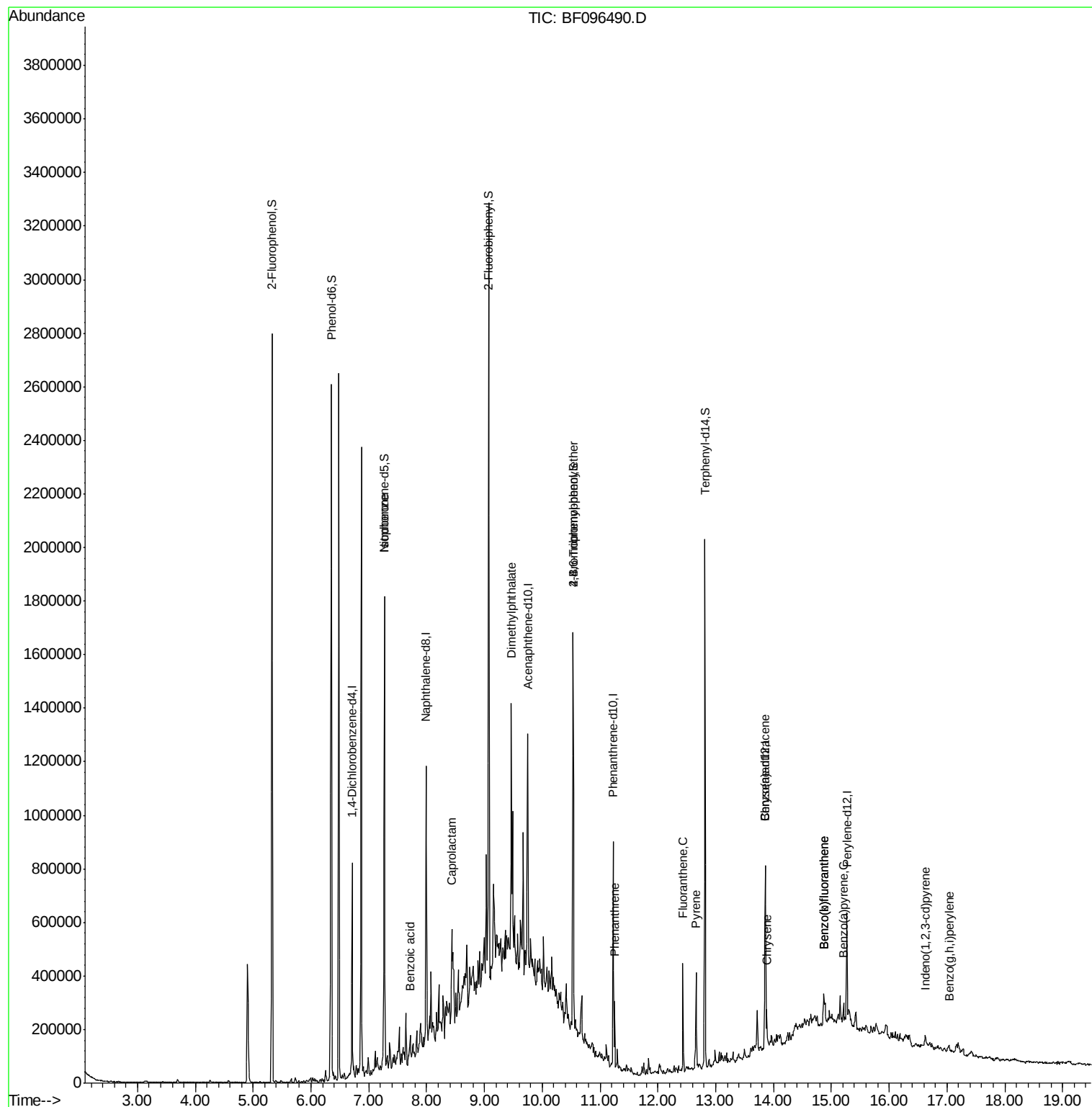
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	104152	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	419845	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	168802	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	272315	20.00	ng	0.00
75) Chrysene-d12	13.86	240	209192	20.00	ng	-0.01
86) Perylene-d12	15.27	264	164511	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	804680	114.03	ng	0.00
7) Phenol-d6	6.35	99	987237	113.80	ng	0.00
23) Nitrobenzene-d5	7.27	82	554413	79.35	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	168009	127.42	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	933831	94.59	ng	0.00
78) Terphenyl-d14	12.82	244	589681	60.23	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.27	82	550627	40.65	ng	# 68
32) Benzoic acid	7.72	122	17438	3.14	ng	95
35) Caprolactam	8.43	113	6936	3.53	ng	# 1
49) Dimethylphthalate	9.47	163	192867	15.31	ng	# 96
66) 4-Bromophenyl-phenylether	10.53	248	10909	4.12	ng	# 1
70) Phenanthrene	11.25	178	83191	5.65	ng	97
74) Fluoranthene	12.43	202	142080	9.84	ng	97
77) Pyrene	12.66	202	132295	7.88	ng	99
80) Benzo(a)anthracene	13.85	228	55962	4.62	ng	97
82) Chrysene	13.88	228	58557	4.62	ng	96
85) Indeno(1,2,3-cd)pyrene	16.62	276	20685	2.07	ng	# 90
87) Benzo(b)fluoranthene	14.87	252	77914	7.56	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	77914	8.45	ng	98
89) Benzo(a)pyrene	15.21	252	36370	3.95	ng	# 92
91) Benzo(a,h,i)perylene	17.03	276	19962	2.66	ng	96

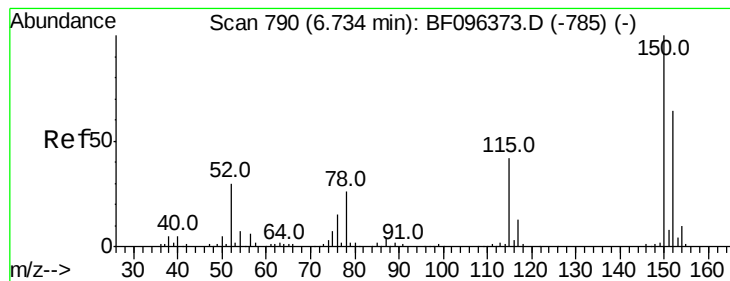
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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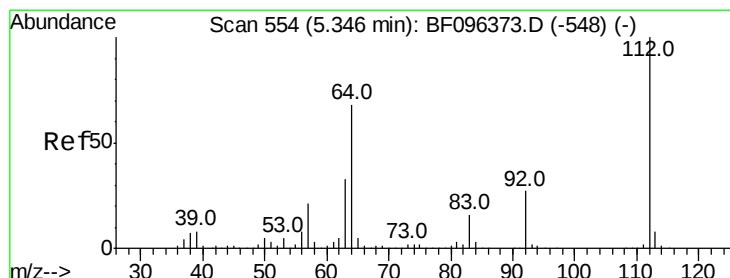
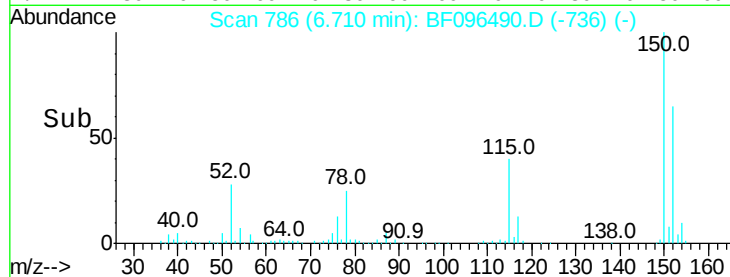
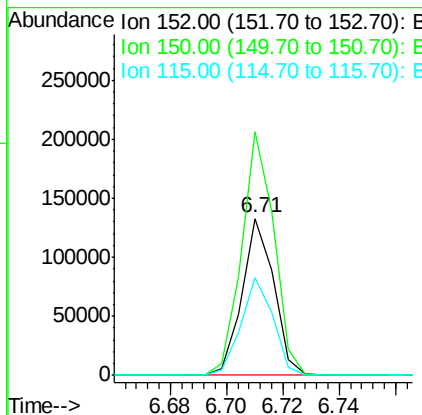
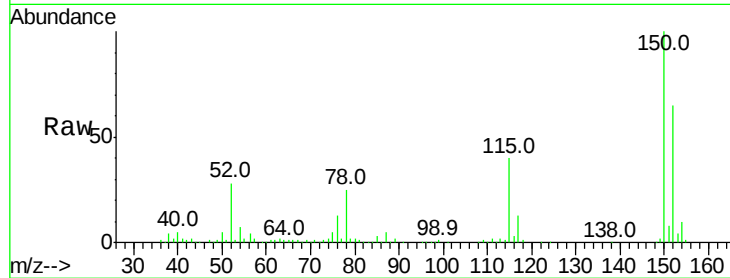


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :

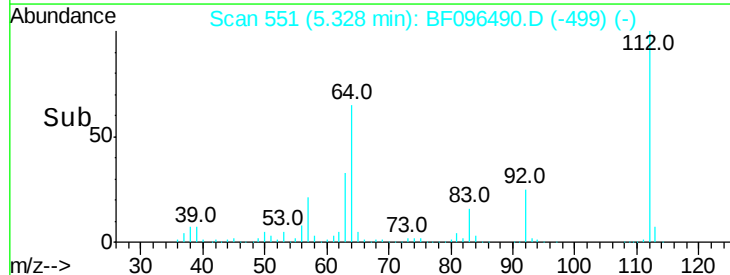
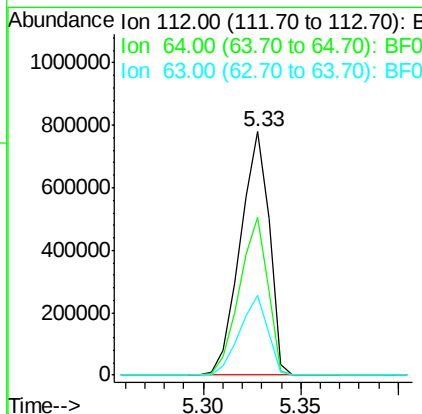
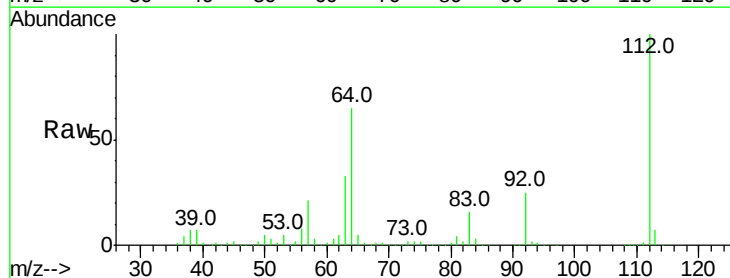
Tot Ion:152 Resp: 104152
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.2 189.2
 115 61.8 52.2 78.2

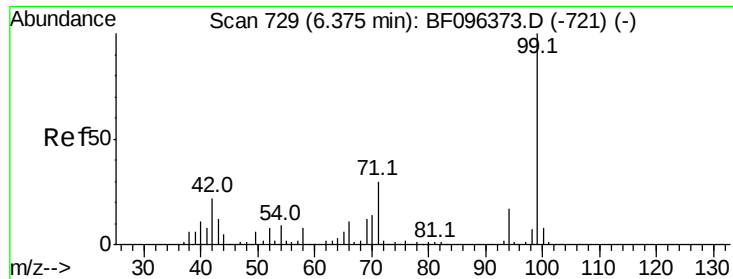


#5

2-Fluorophenol
 Concen: 114.03 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Tgt Ion:112 Resp: 804680
 Ion Ratio Lower Upper
 112 100
 64 64.6 46.0 69.0
 63 32.8 23.4 35.0





#7

Phenol-d6

Concen: 113.80 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

Instrument :

BNA_F

ClientSampleId :

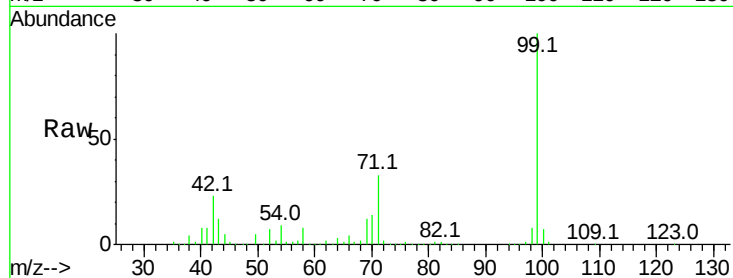
Tot Ion: 99 Resp: 987237

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

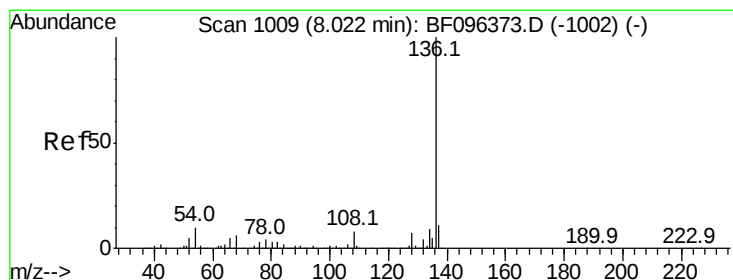
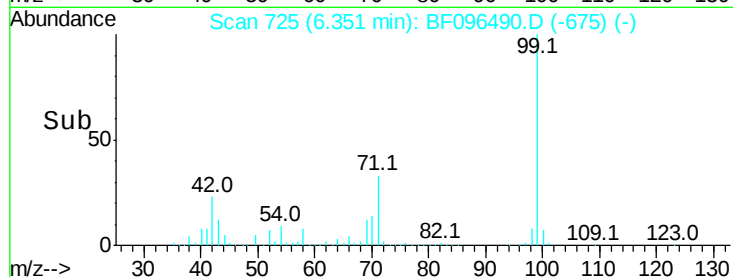
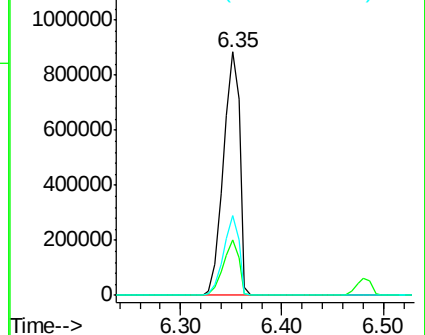
71 32.8 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

Tgt Ion: 136 Resp: 419845

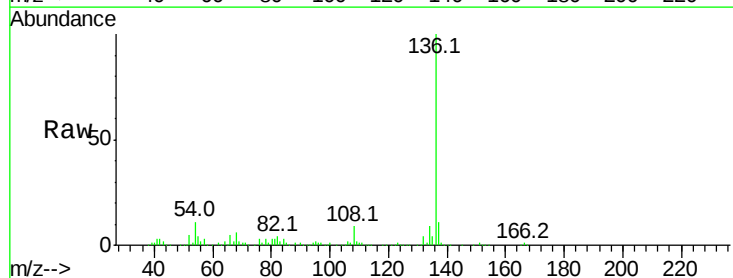
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.7 4.9 7.3#

68 5.9 4.1 6.1

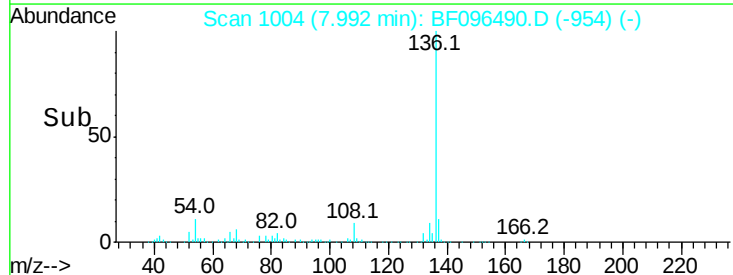
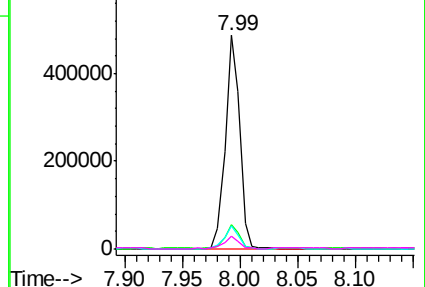


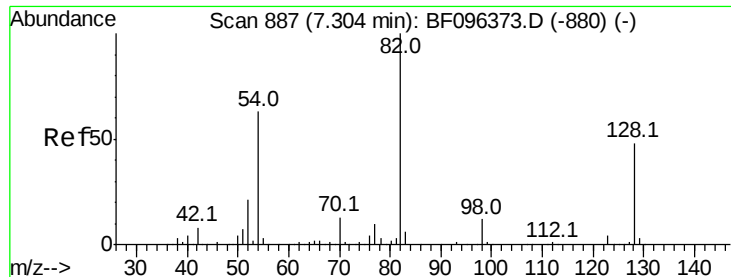
Abundance Ion 136.00 (135.70 to 136.70): E

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

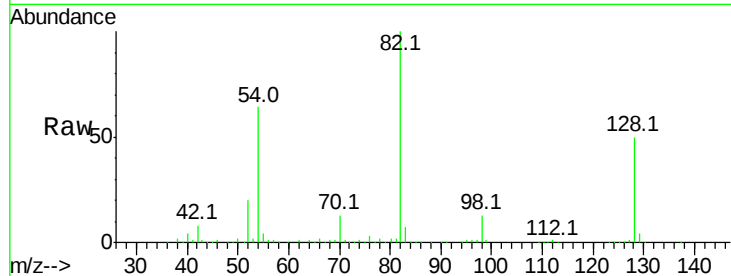




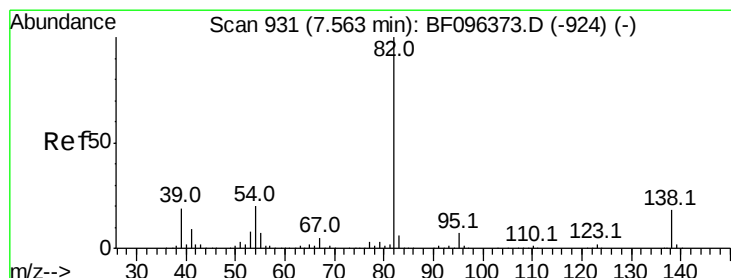
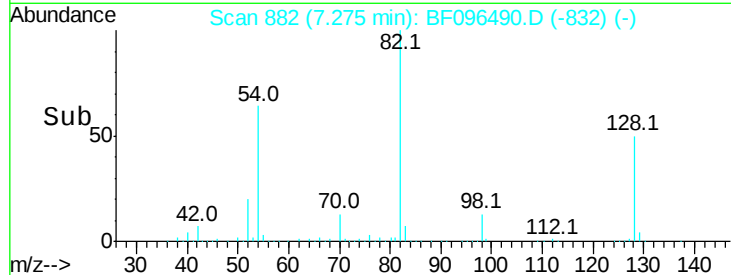
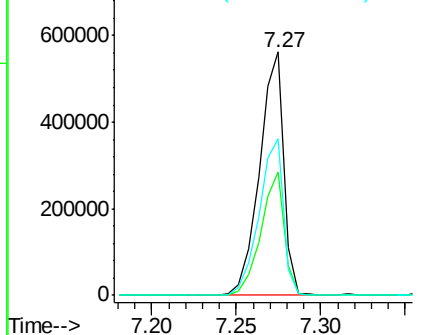
#23
 Nitrobenzene-d5
 Concen: 79.35 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 554413
 Ion Ratio Lower Upper
 82 100
 128 50.4 34.0 51.0
 54 64.2 42.2 63.2#

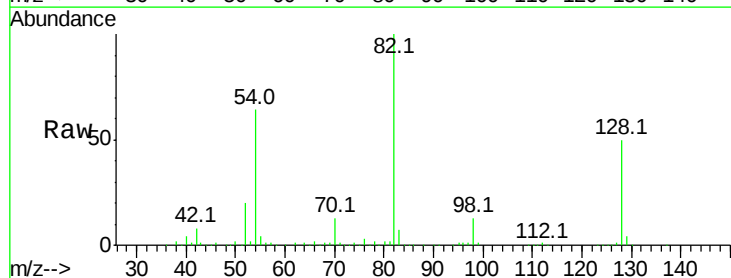


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

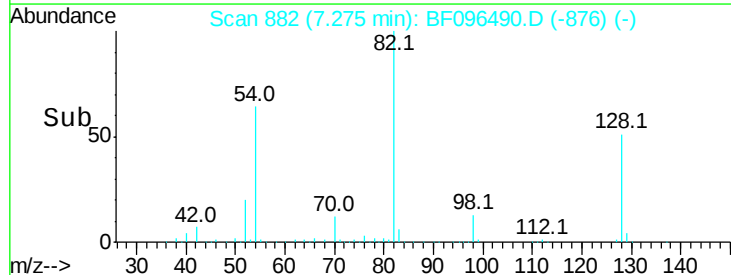
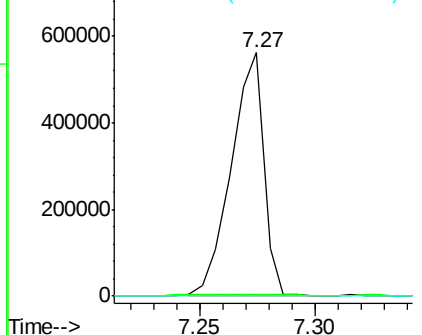


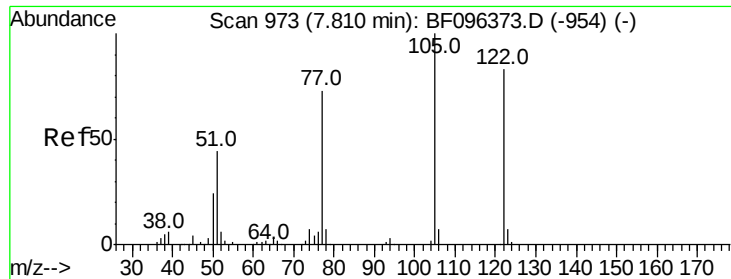
#25
 Isophorone
 Concen: 40.65 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Tgt Ion: 82 Resp: 550627
 Ion Ratio Lower Upper
 82 100
 95 0.6 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): BF0

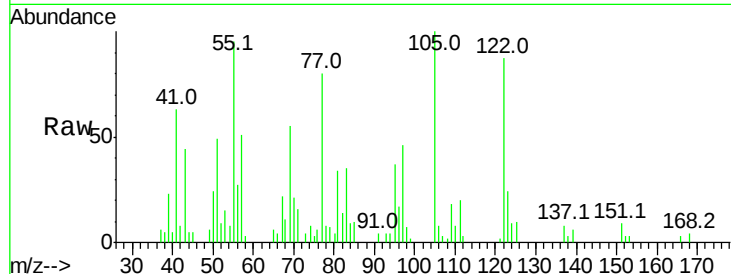




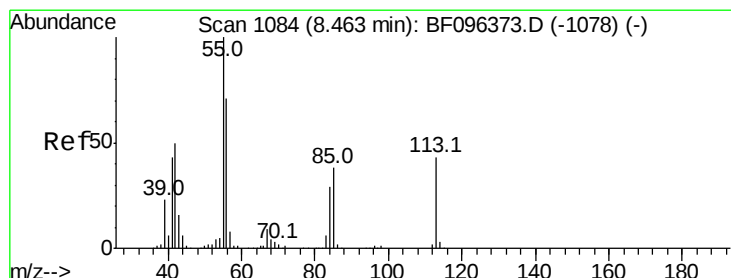
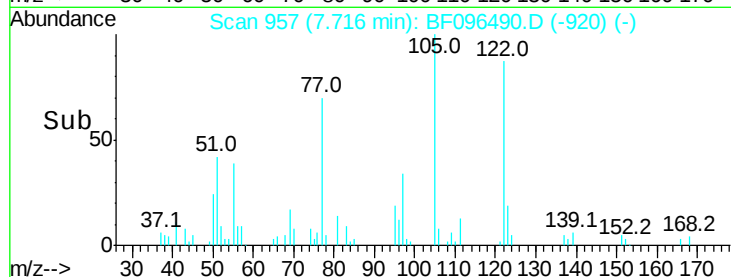
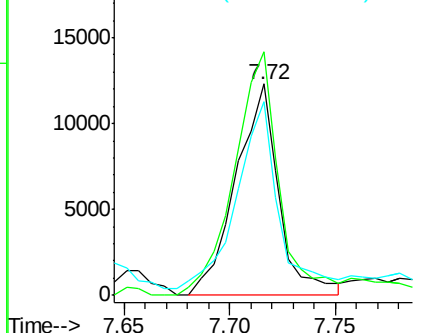
#32
Benzoic acid
Concen: 3.14 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.08 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 17438
Ion Ratio Lower Upper
122 100
105 115.3 103.3 143.3
77 91.7 73.7 113.7

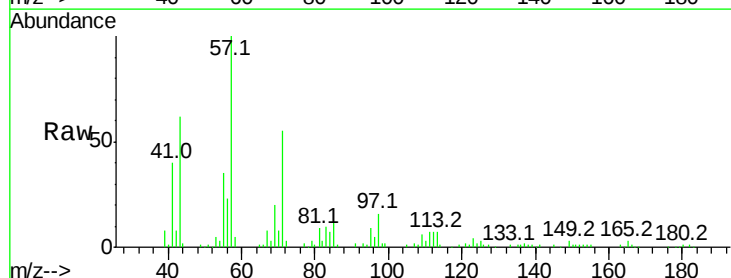


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

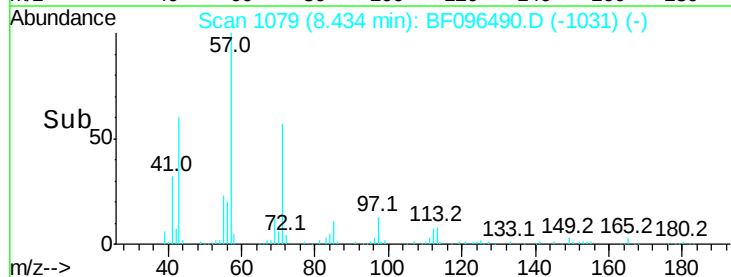
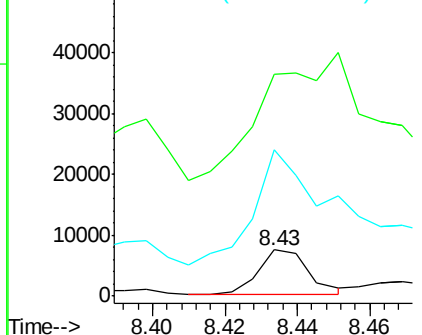


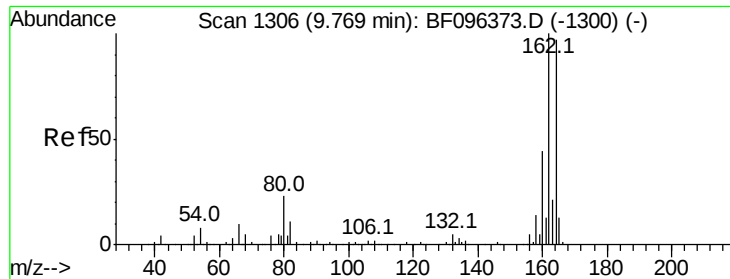
#35
Caprolactam
Concen: 3.53 ng
RT: 8.43 min Scan# 1079
Delta R.T. -0.02 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:113 Resp: 6936
Ion Ratio Lower Upper
113 100
55 481.3 150.2 190.2#
56 317.4 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

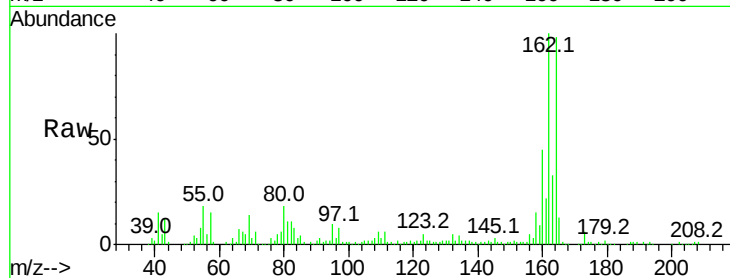




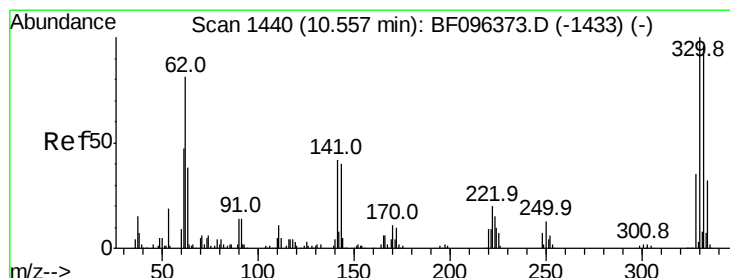
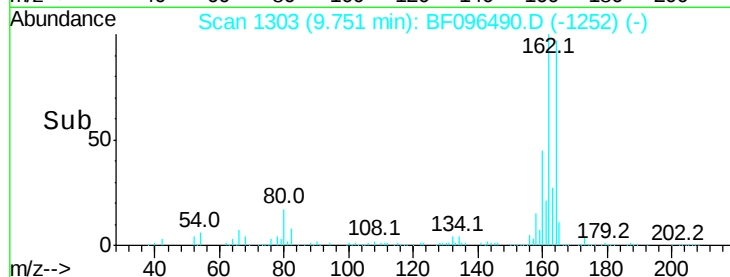
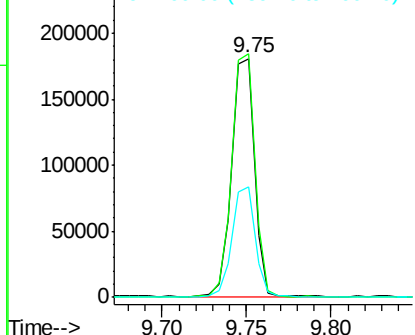
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 168802
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 46.0 36.2 54.2

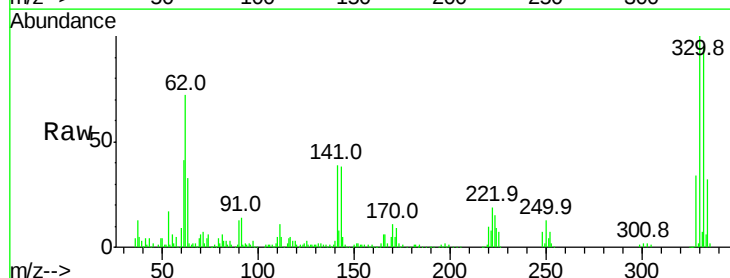


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

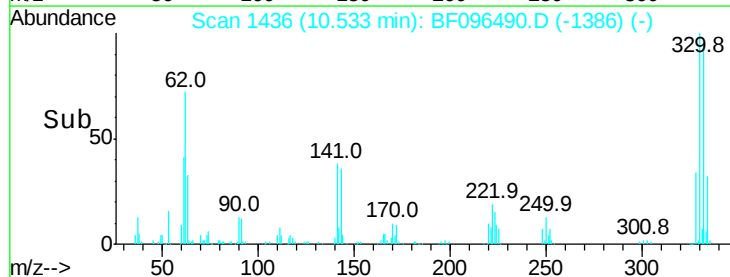
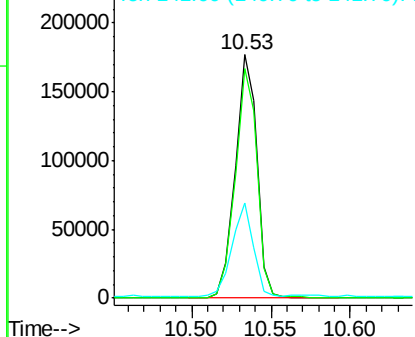


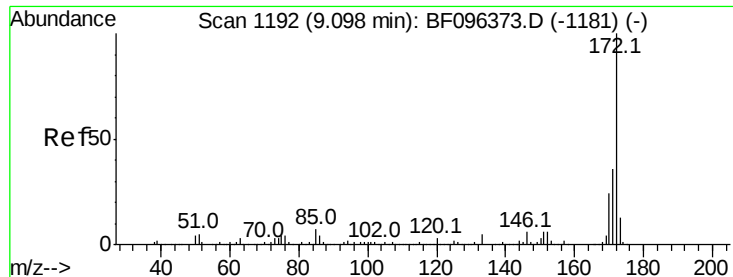
#41
 2,4,6-Tribromophenol
 Concen: 127.42 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Tgt Ion:330 Resp: 168009
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 37.3 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

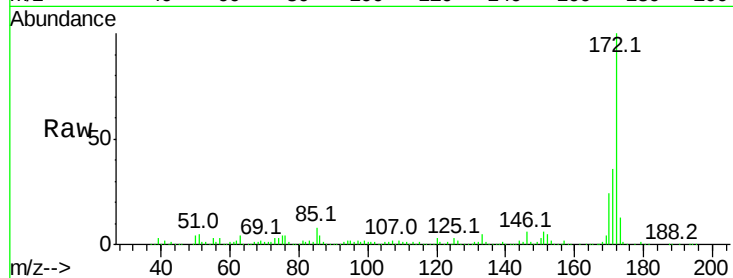




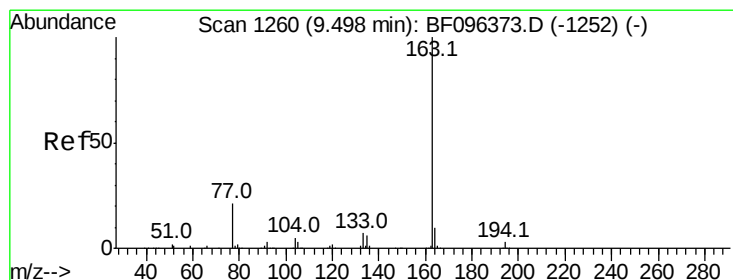
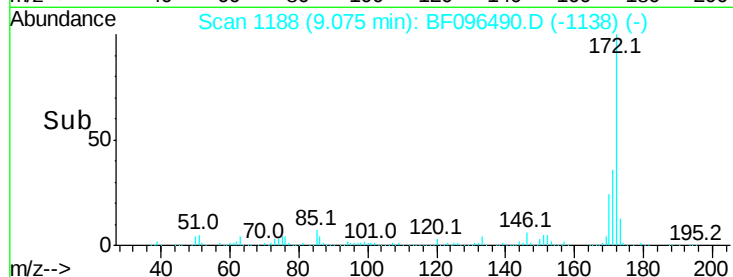
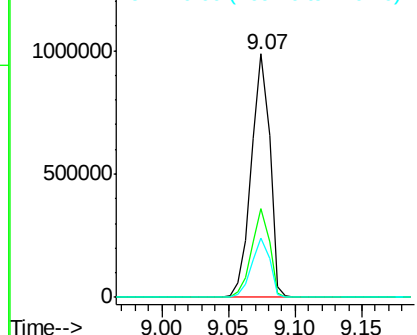
#44
2-Fluorobiphenyl
Concen: 94.59 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 933831
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.4 19.8 29.8

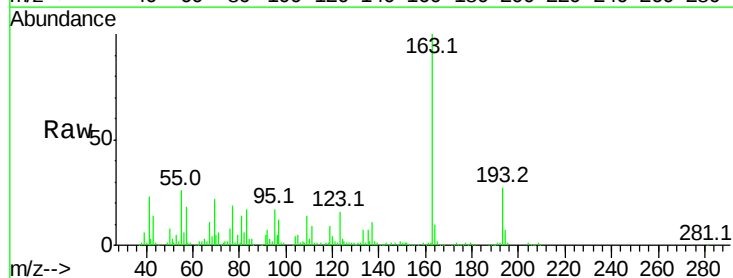


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

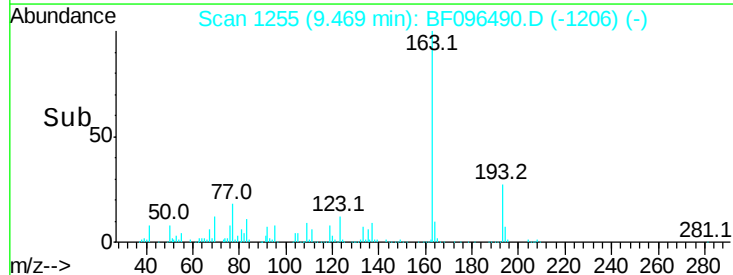
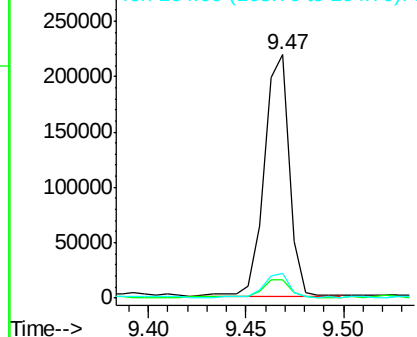


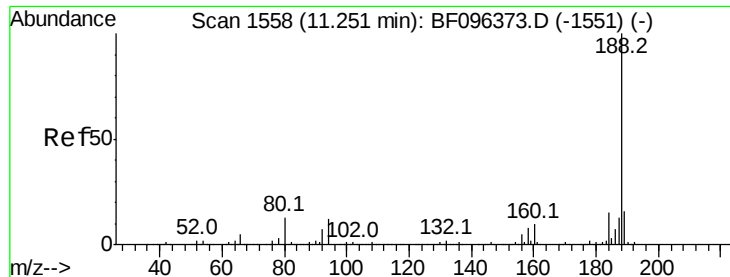
#49
Dimethylphthalate
Concen: 15.31 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:163 Resp: 192867
Ion Ratio Lower Upper
163 100
194 7.3 2.6 4.0#
164 9.9 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

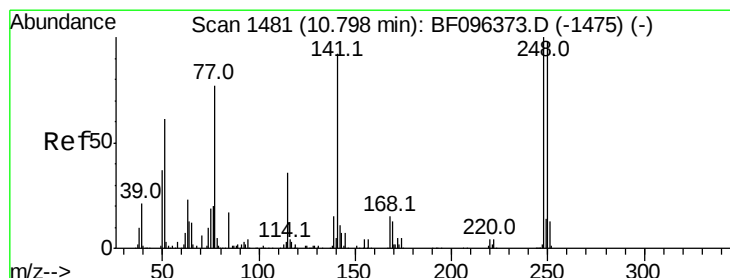
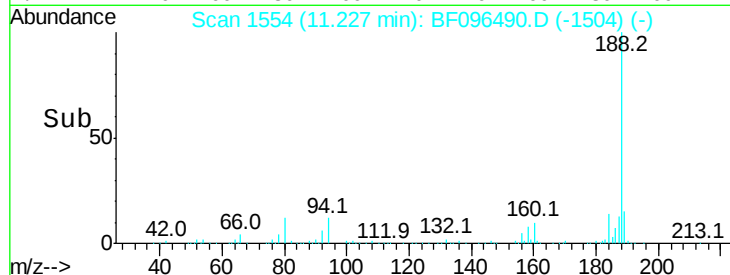
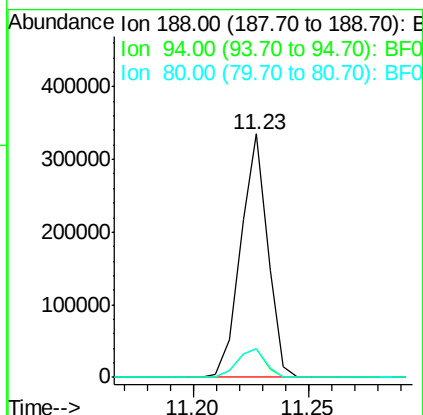
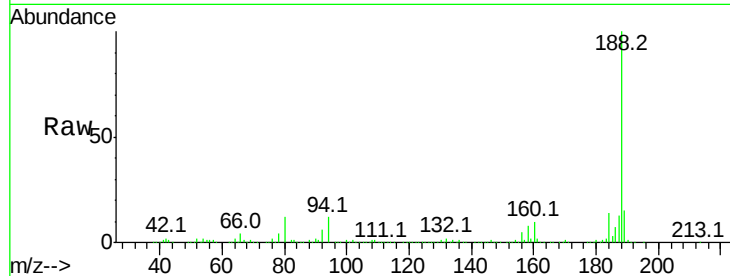




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

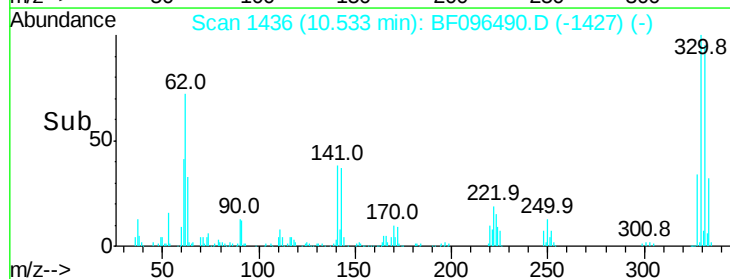
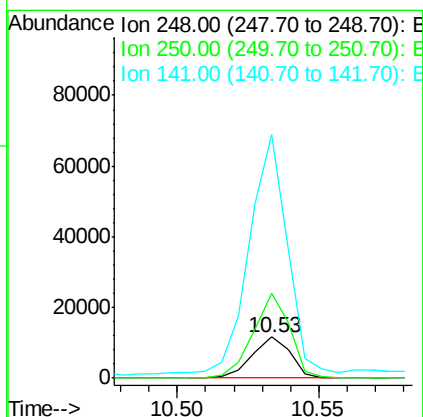
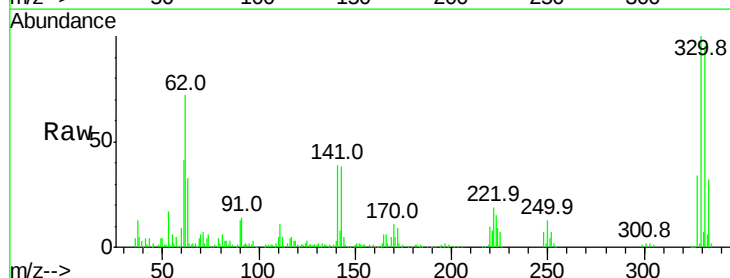
Instrument :
BNA_F
ClientSampleId :

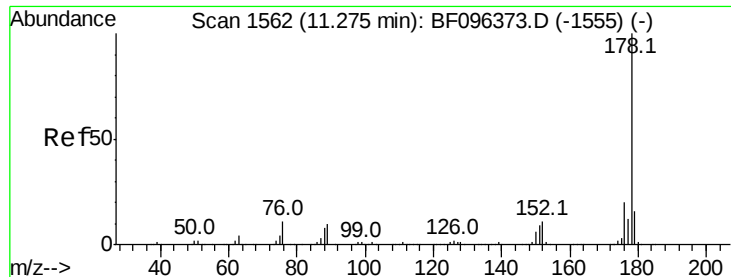
Tot Ion:188 Resp: 272315
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 11.9 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 4.12 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:248 Resp: 10909
Ion Ratio Lower Upper
248 100
250 205.2 76.8 115.2#
141 592.0 68.6 103.0#





#70

Phenanthrene

Concen: 5.65 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

Instrument :

BNA_F

ClientSampleId :

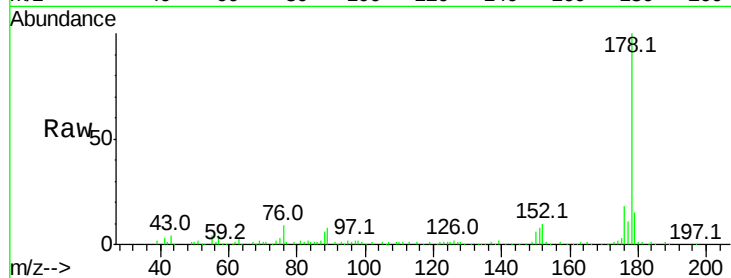
Tot Ion:178 Resp: 83191

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

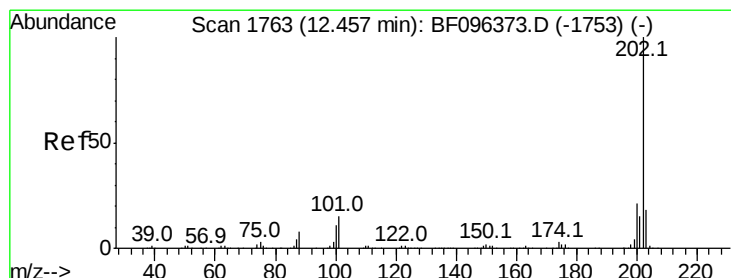
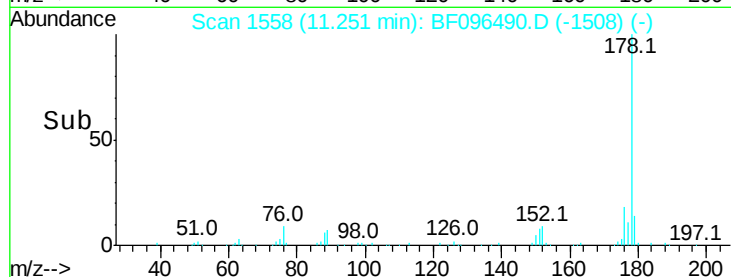
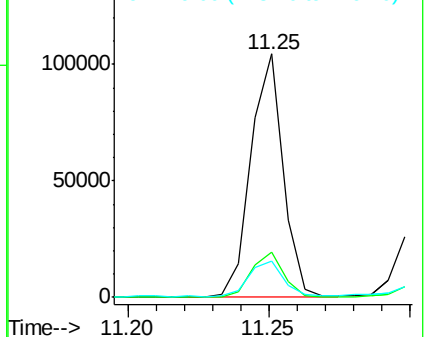
179 14.9 12.6 19.0



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: 9.84 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

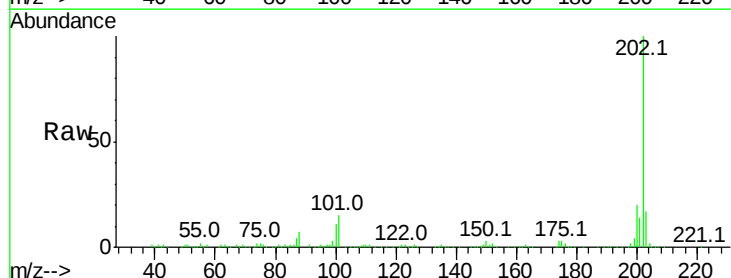
Tgt Ion:202 Resp: 142080

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.2

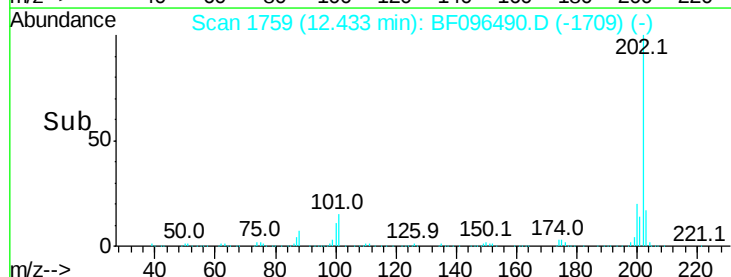
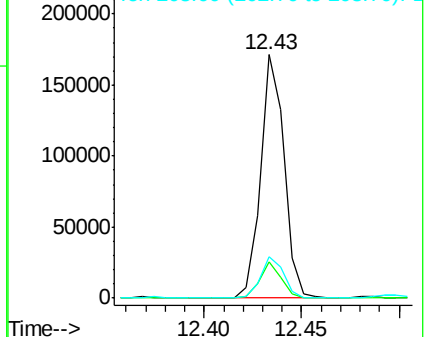
203 16.8 0.0 38.1

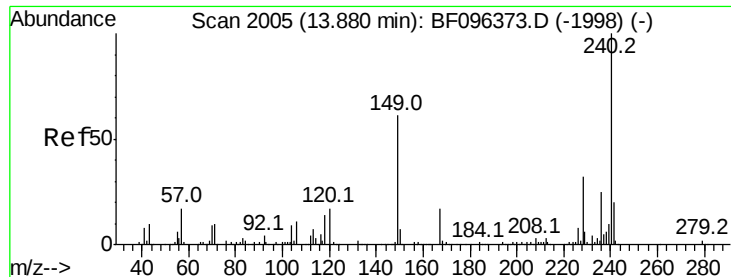


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

Instrument :

BNA_F

ClientSampleId :

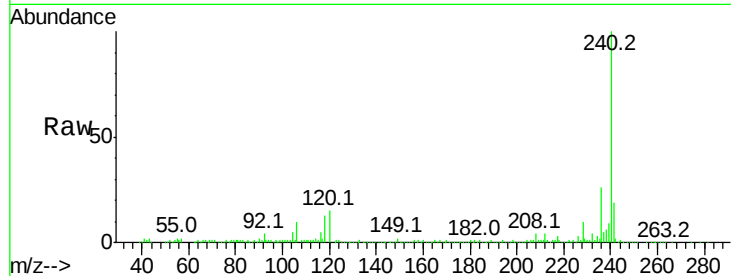
Tot Ion:240 Resp: 209192

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

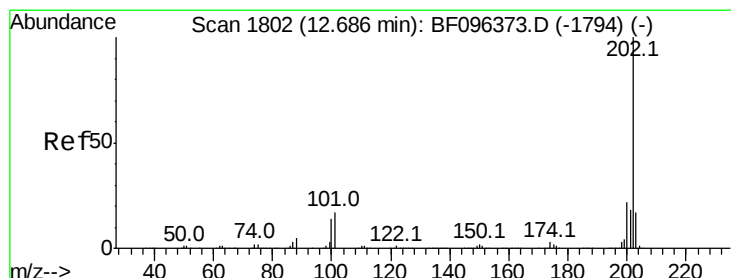
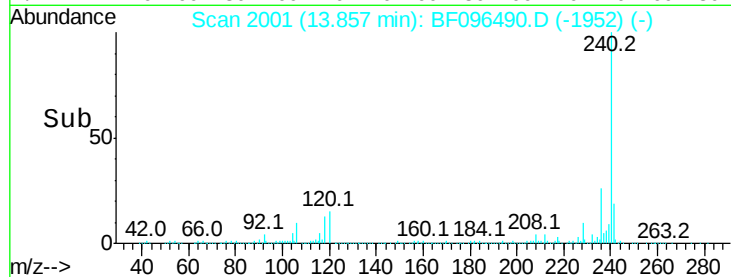
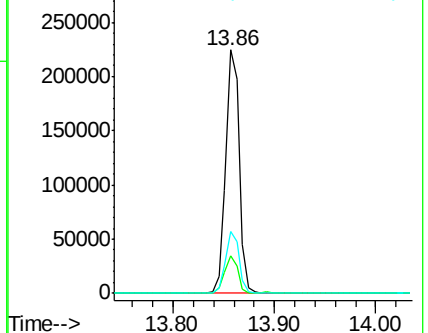
236 25.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.88 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096490.D

Acq: 5 Jul 2017 18:05

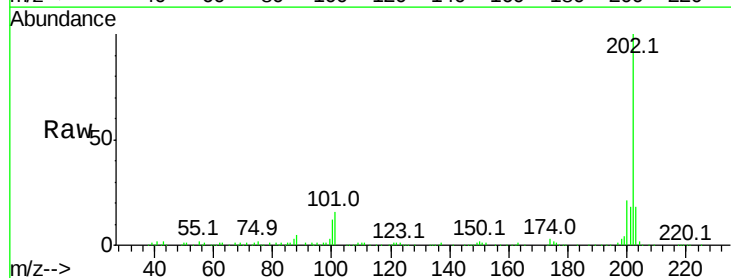
Tgt Ion:202 Resp: 132295

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

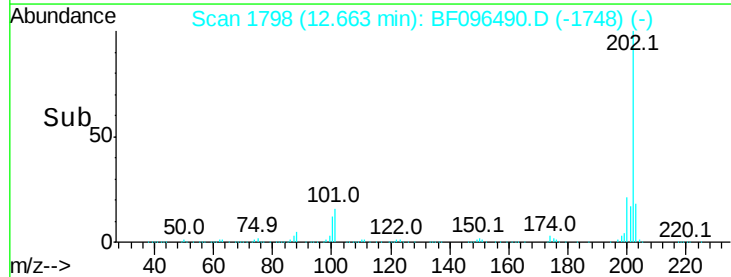
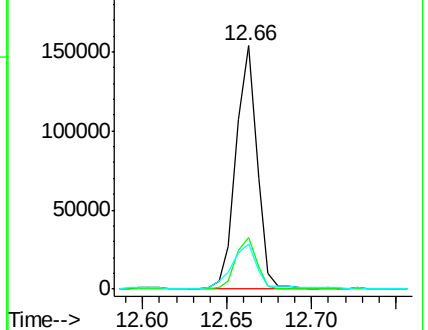
203 18.3 14.4 21.6

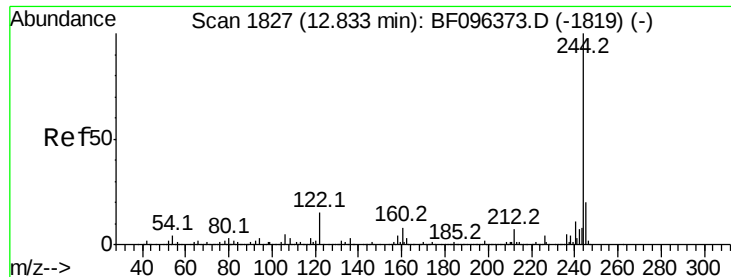


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

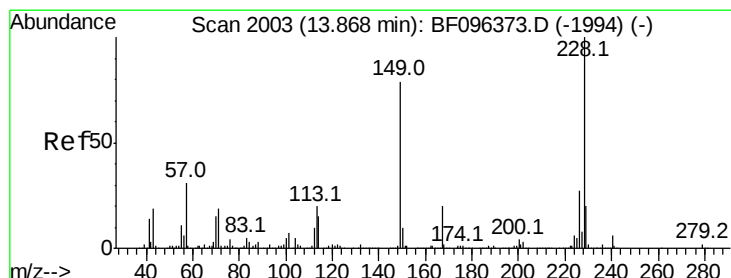
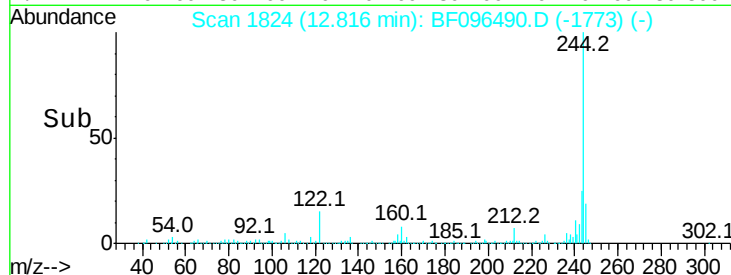
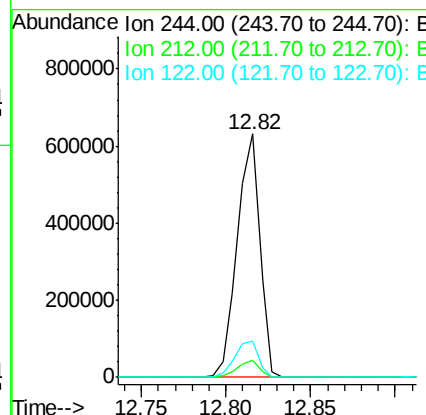
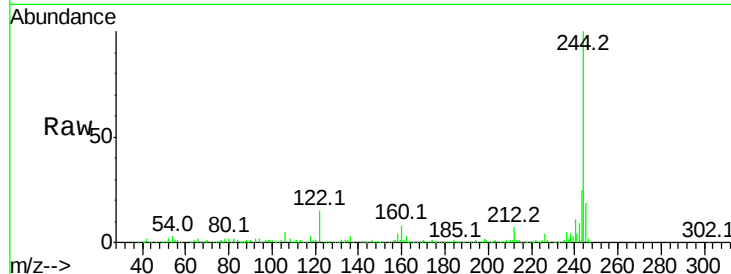




#78
 Terphenyl-d14
 Concen: 60.23 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

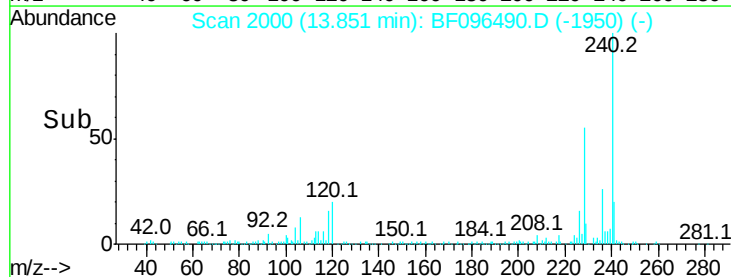
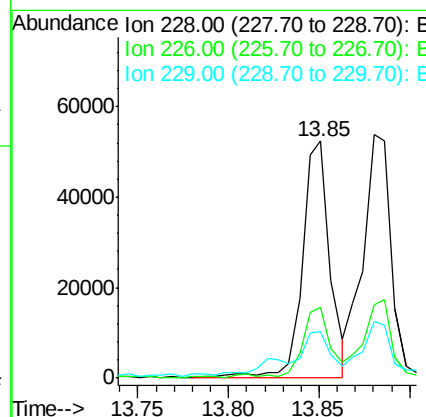
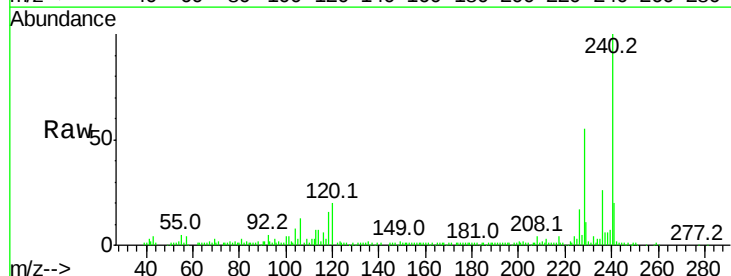
Instrument :
 BNA_F
 ClientSampleId :

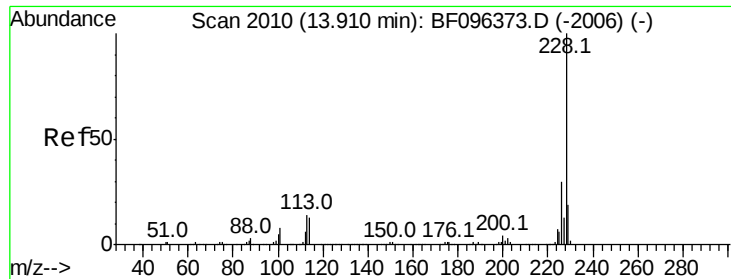
Tot Ion:244 Resp: 589681
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.62 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Tgt Ion:228 Resp: 55962
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 19.5 16.3 24.5

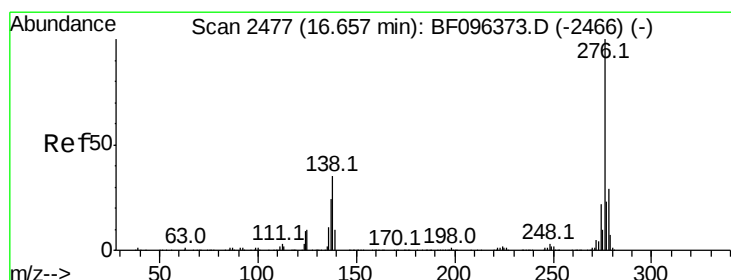
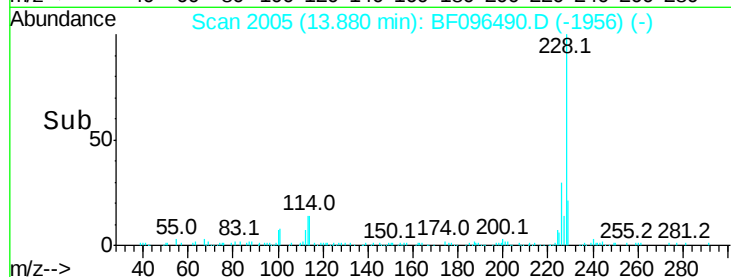
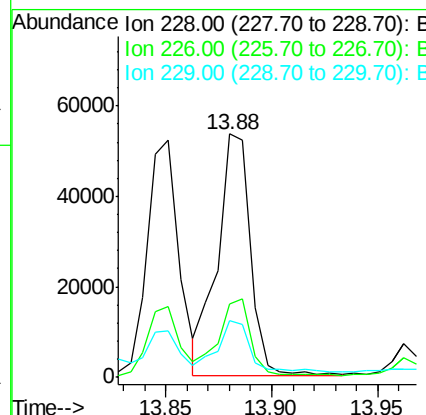
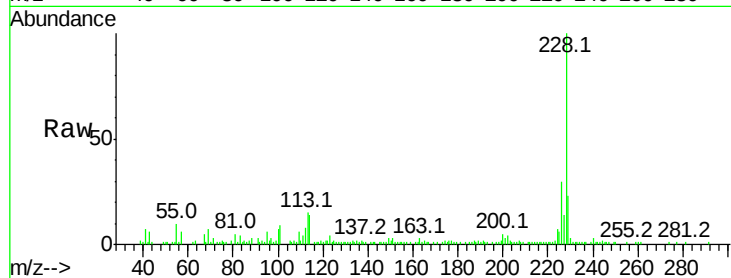




#82
Chrysene
Concen: 4.62 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

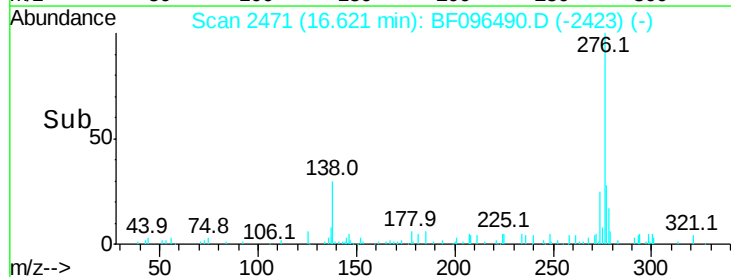
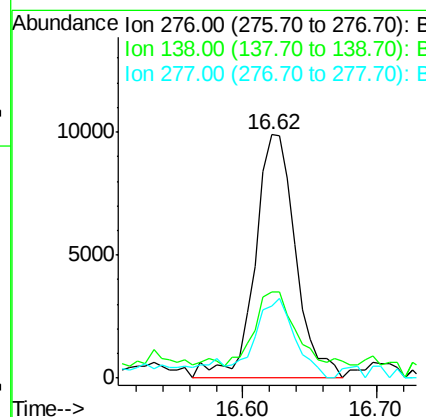
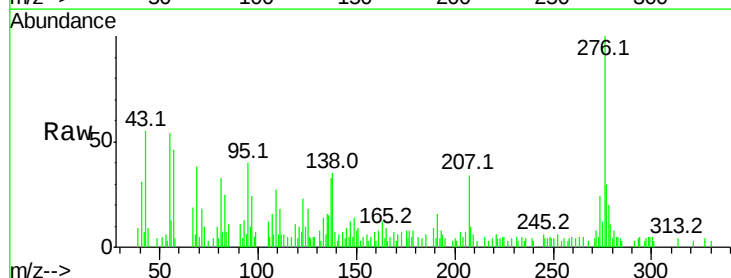
Instrument :
BNA_F
ClientSampleId :

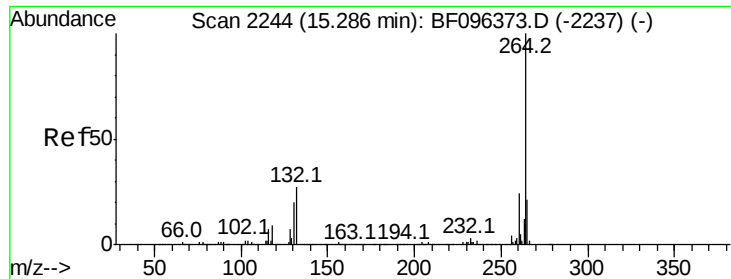
Tot Ion:	228	Resp:	58557
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	23.2	15.8	23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.07 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.02 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:	276	Resp:	20685
Ion	Ratio	Lower	Upper
276	100		
138	30.3	27.8	41.6
277	31.6	20.2	30.4#

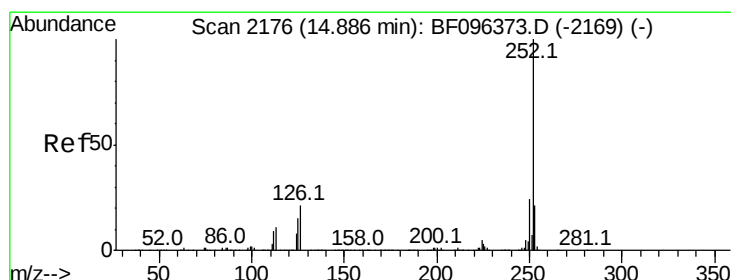
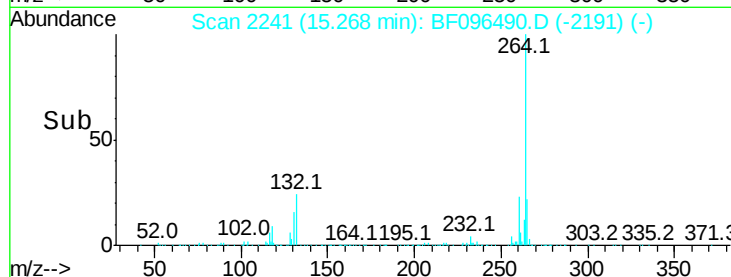
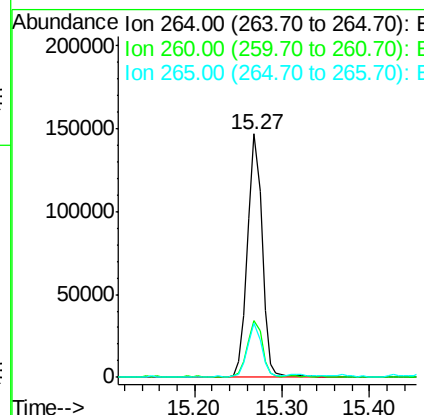
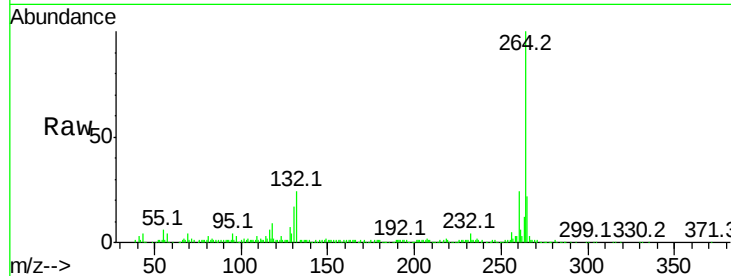




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

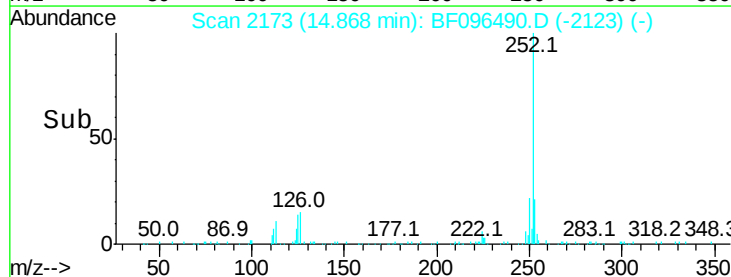
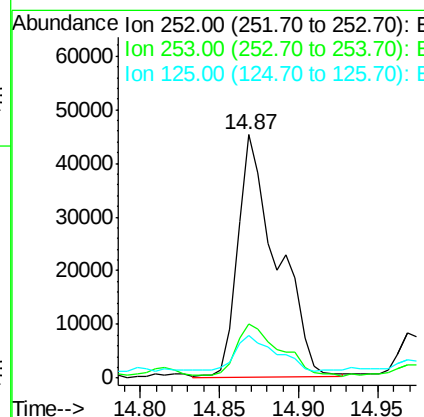
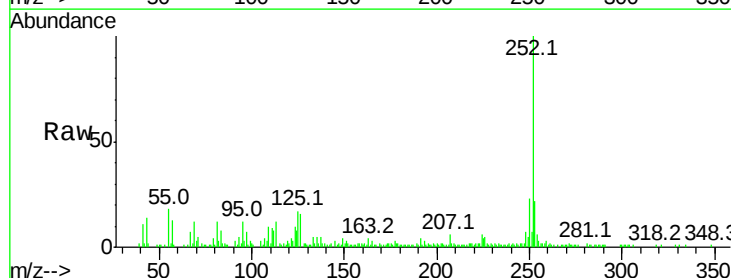
Instrument :
BNA_F
ClientSampleId :

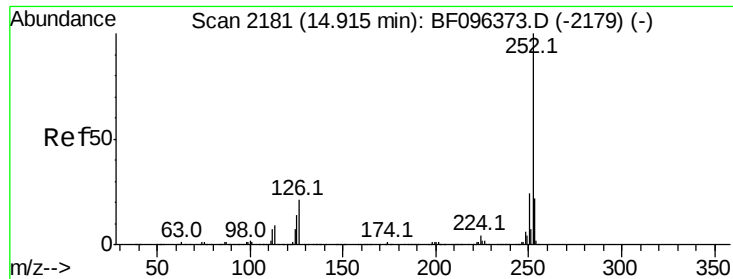
Tot Ion:264 Resp: 164511
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.56 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:252 Resp: 77914
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 17.4 9.8 14.8#

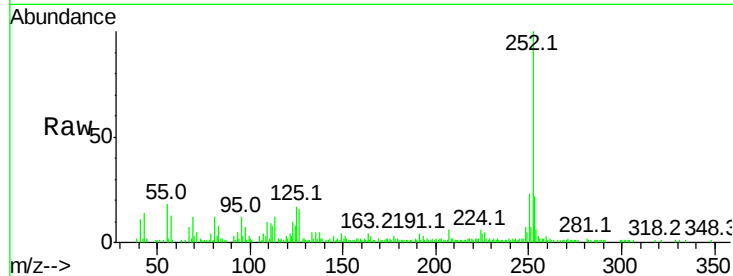




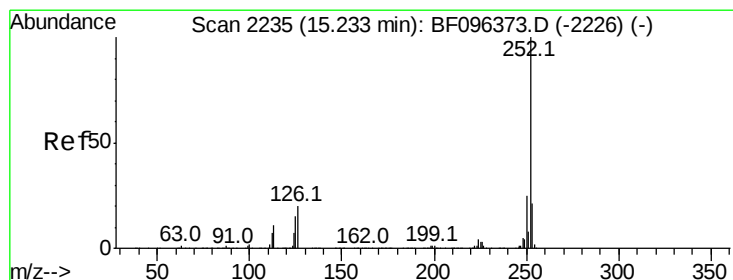
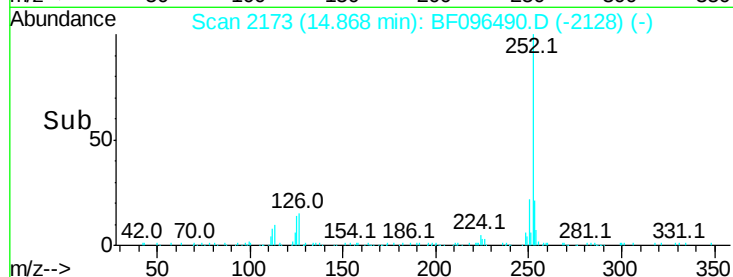
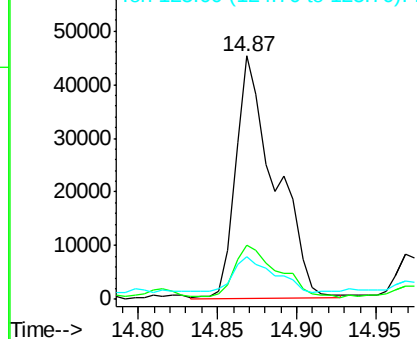
#88
Benzo(k)fluoranthene
Concen: 8.45 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 77914
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 17.4 13.1 19.7

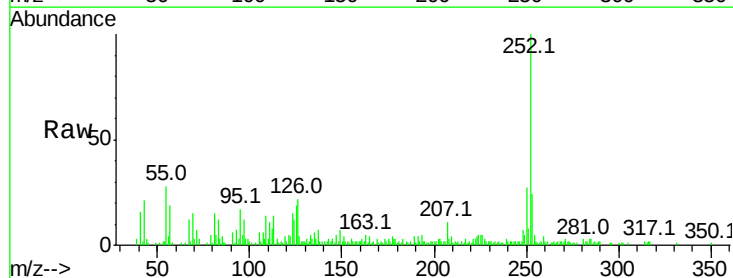


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

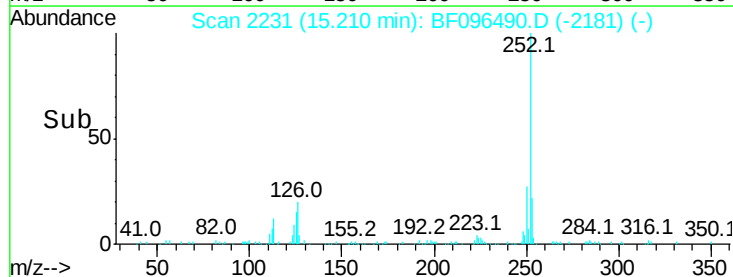
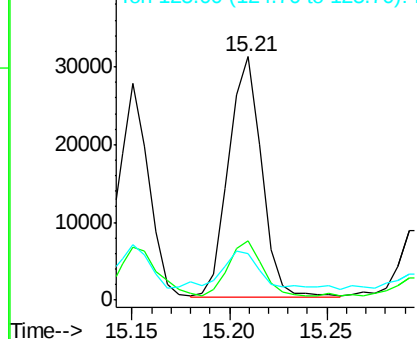


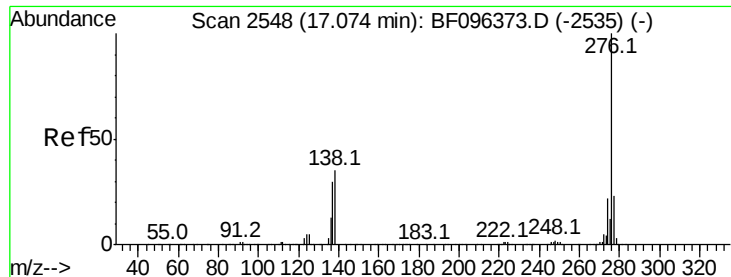
#89
Benzo(a)pyrene
Concen: 3.95 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096490.D
Acq: 5 Jul 2017 18:05

Tgt Ion:252 Resp: 36370
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 19.1 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

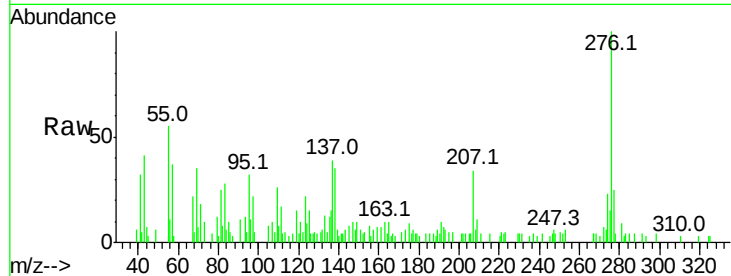




#91
 Benzo(a,h,i)perylene
 Concen: 2.66 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF096490.D
 Acq: 5 Jul 2017 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	34.7	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

