

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096798.D
 Acq On : 15 Jul 2017 3:38
 Operator : SJ/JU
 Sample : I4187-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 04:07:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

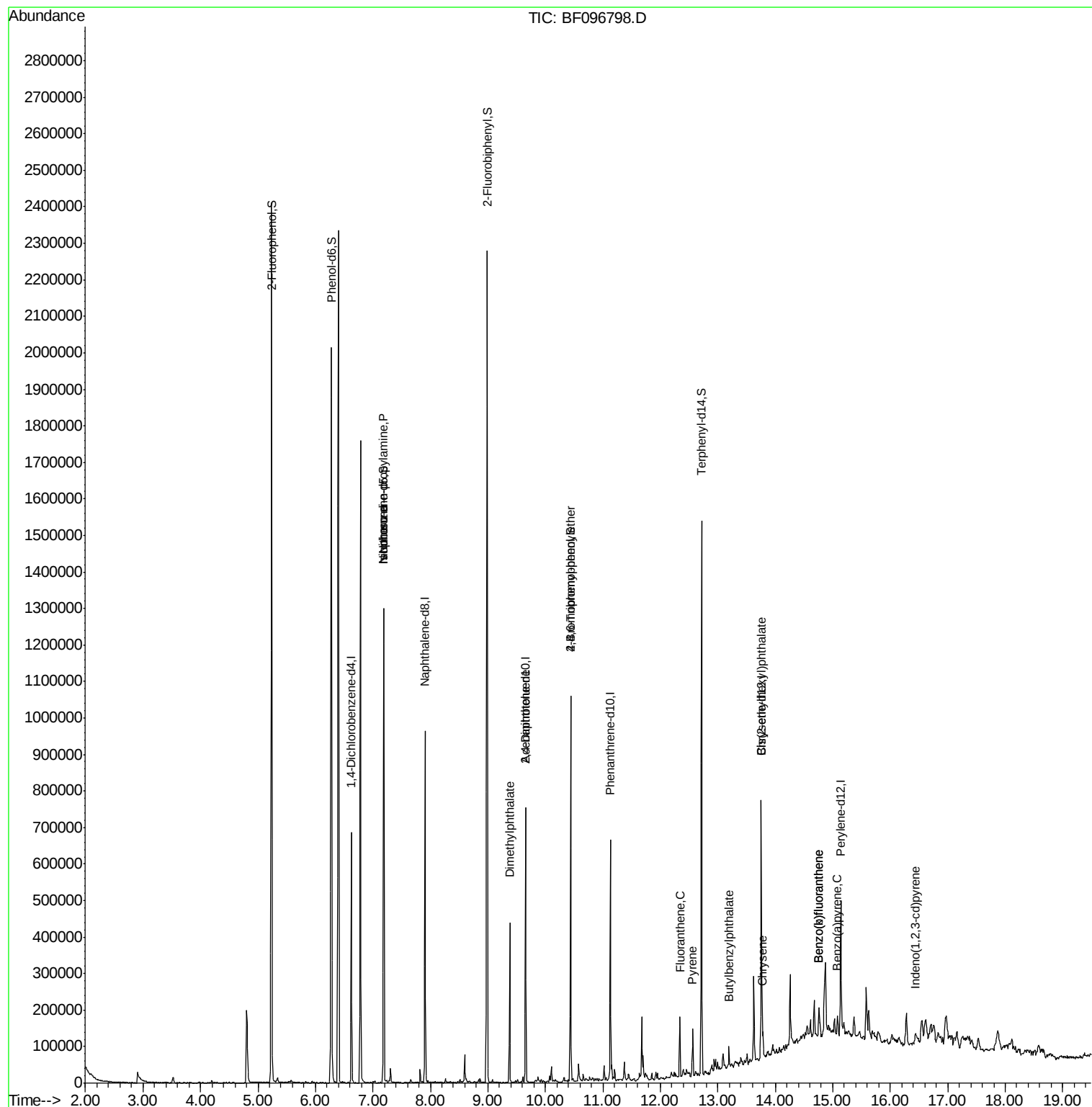
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	103171	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	444828	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	147656	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	238975	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	202799	20.00	ng	-0.02
86) Perylene-d12	15.14	264	157441	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	679531	99.03	ng	0.00
7) Phenol-d6	6.28	99	726077	88.18	ng	0.00
23) Nitrobenzene-d5	7.19	82	425840	59.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	112321	89.12	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	698243	74.71	ng	-0.01
78) Terphenyl-d14	12.72	244	468317	40.05	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	56541	11.40	ng	# 87
25) Isophorone	7.19	82	420082	31.44	ng	# 67
49) Dimethylphthalate	9.38	163	172711	15.53	ng	99
56) 2,4-Dinitrotoluene	9.66	165	18562	6.00	ng	# 33
66) 4-Bromophenyl-phenylether	10.44	248	7149	2.93	ng	# 1
74) Fluoranthene	12.34	202	58096	4.67	ng	95
77) Pyrene	12.56	202	48107	2.61	ng	98
79) Butylbenzylphthalate	13.19	149	12252	2.80	ng	# 82
82) Chrysene	13.79	228	28675	2.31	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	28439	2.67	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.44	276	13166	4.43	ng	# 88
87) Benzo(b)fluoranthene	14.76	252	46878	4.94	ng	# 95
88) Benzo(k)fluoranthene	14.76	252	46878	5.21	ng	98
89) Benzo(a)pyrene	15.08	252	22578	2.59	ng	# 90

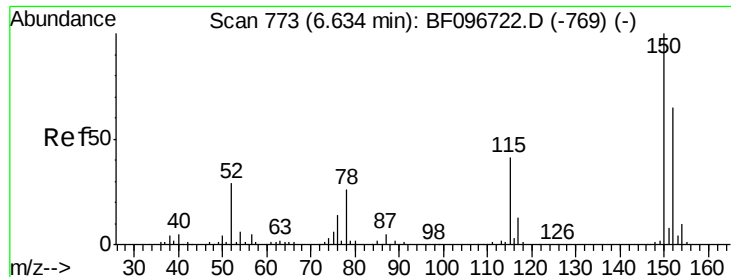
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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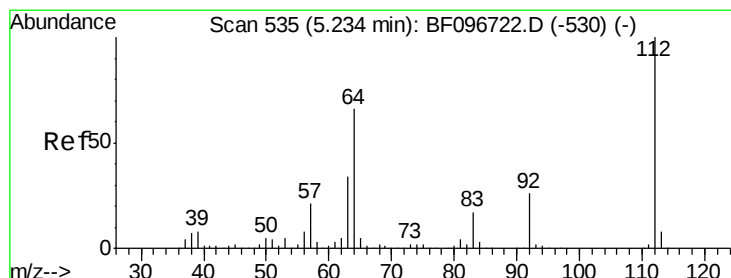
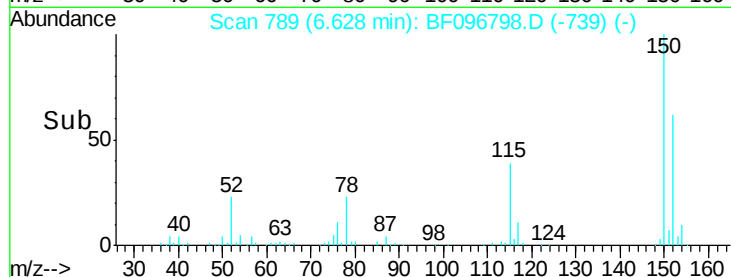
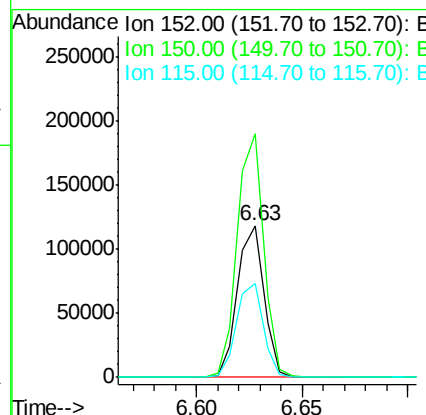
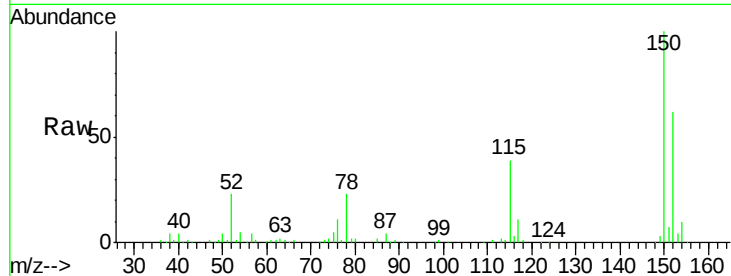




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.63 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

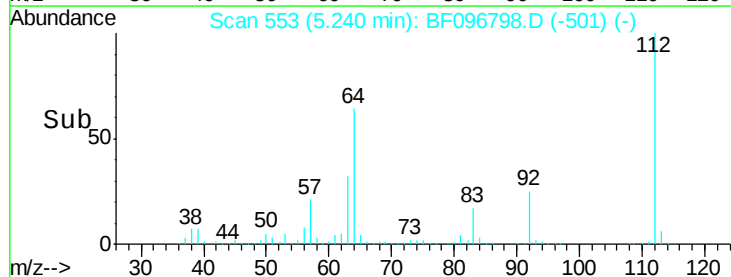
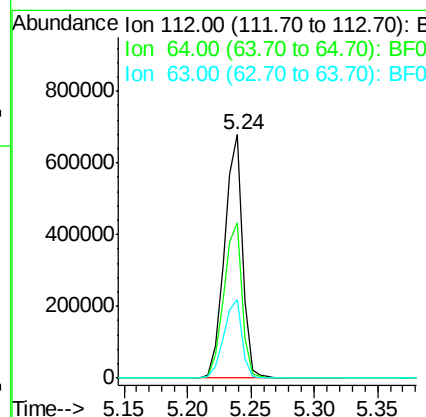
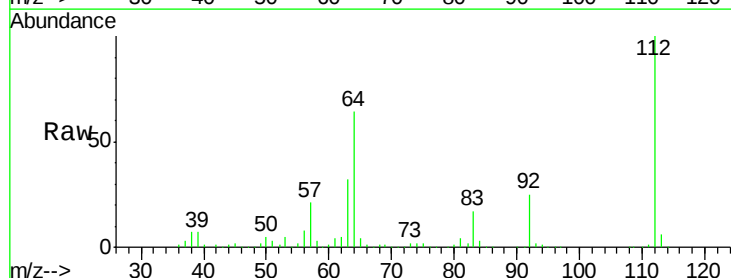
Instrument :
 BNA_F
 ClientSampleId :

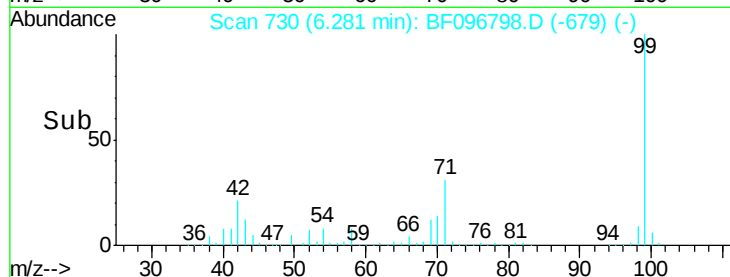
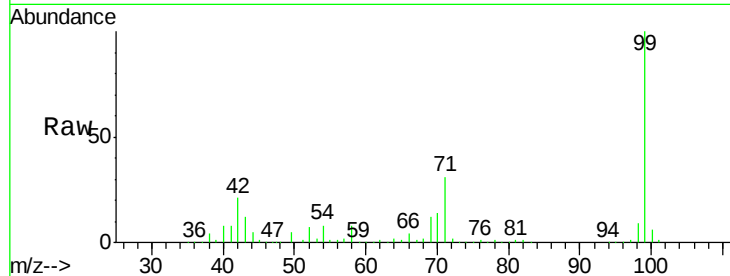
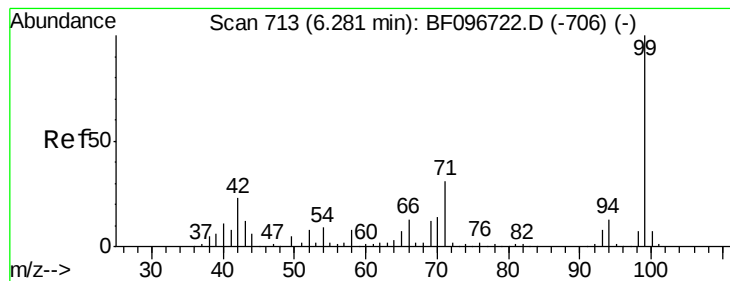
Tot Ion:152 Resp: 103171
 Ion Ratio Lower Upper
 152 100
 150 160.3 126.2 189.2
 115 61.8 52.2 78.2



#5
 2-Fluorophenol
 Concen: 99.03 ng
 RT: 5.24 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

Tgt Ion:112 Resp: 679531
 Ion Ratio Lower Upper
 112 100
 64 63.8 46.0 69.0
 63 32.4 23.4 35.0





#7

Phenol-d6

Concen: 88.18 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Instrument :

BNA_F

ClientSampleId :

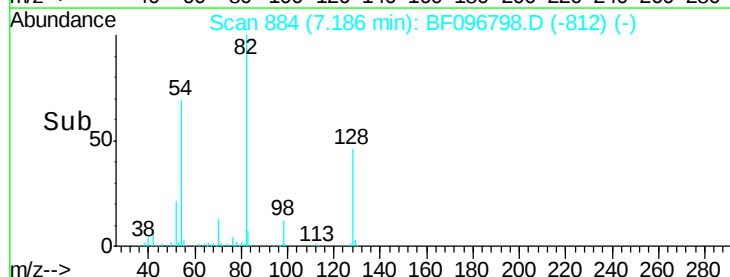
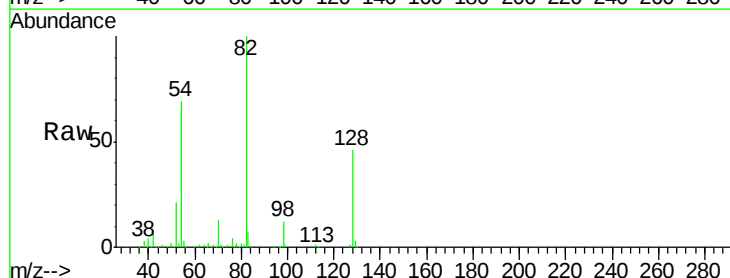
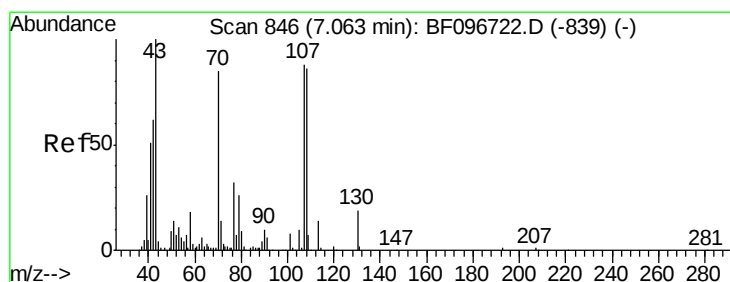
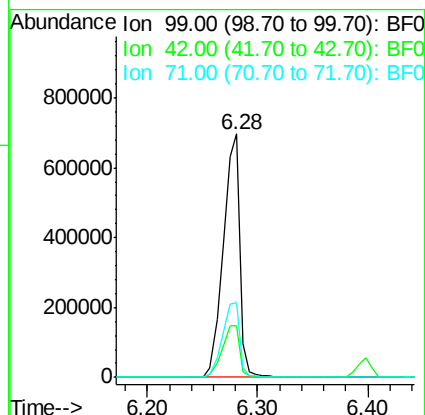
Tot Ion: 99 Resp: 726077

Ion Ratio Lower Upper

99 100

42 21.2 13.5 20.3#

71 30.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.40 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Tgt Ion: 70 Resp: 56541

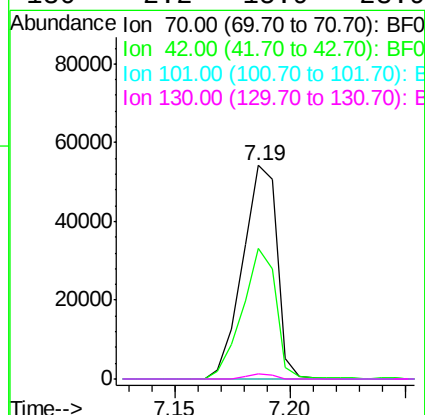
Ion Ratio Lower Upper

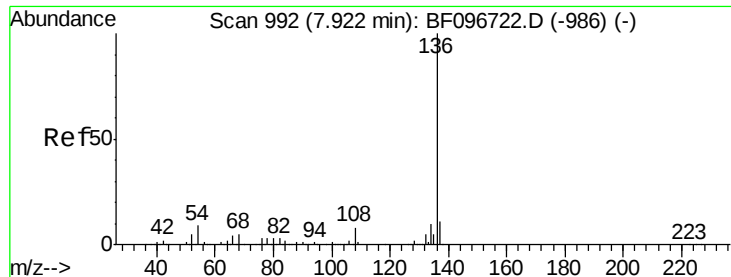
70 100

42 61.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 444828

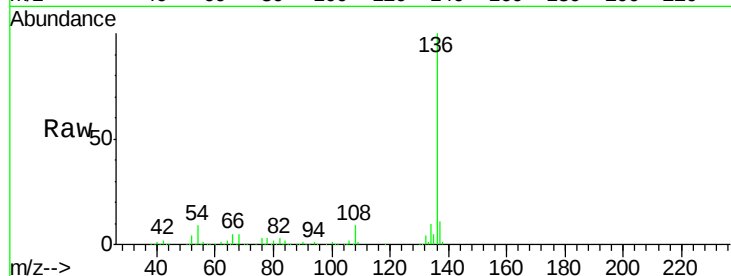
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.4 4.9 7.3#

68 5.1 4.1 6.1

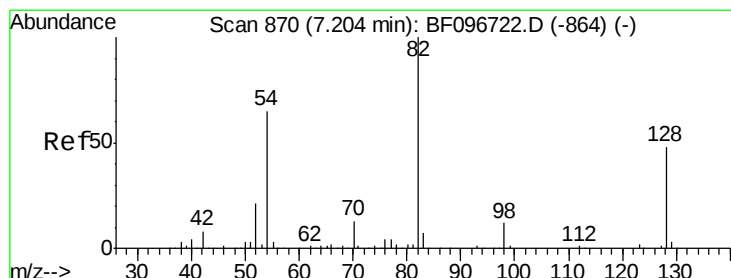
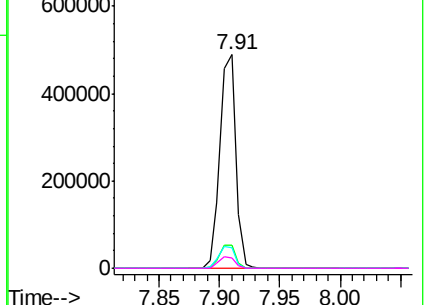
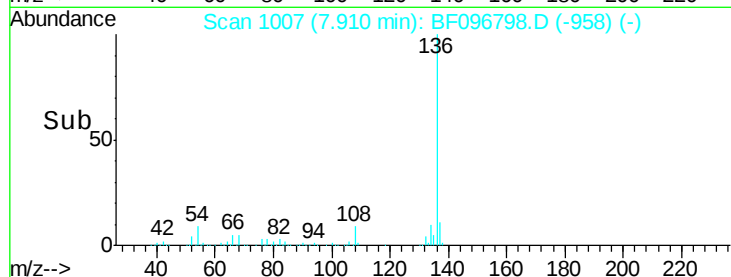


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.30 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

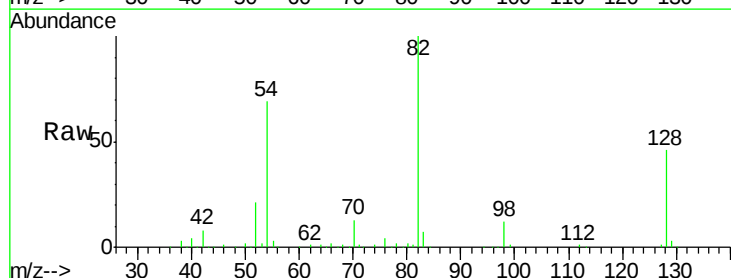
Tgt Ion: 82 Resp: 425840

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

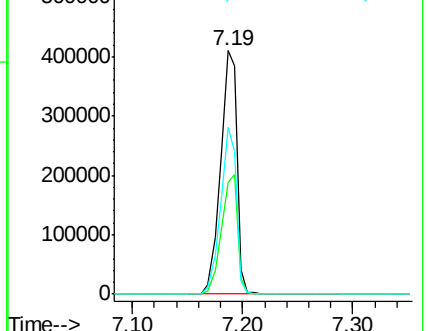
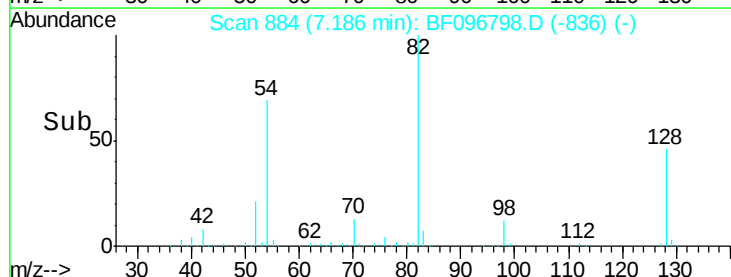
54 68.6 42.2 63.2#

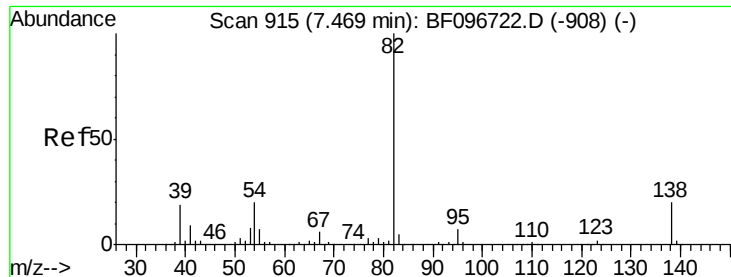


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.44 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Instrument :

BNA_F

ClientSampled :

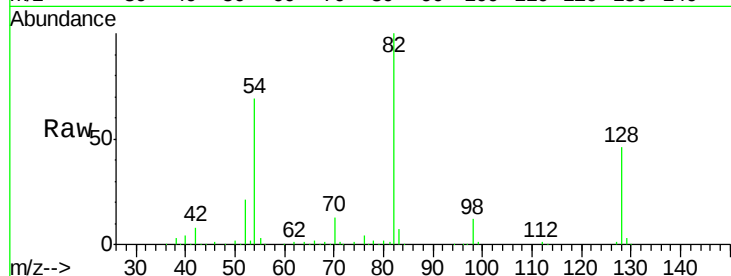
Tot Ion: 82 Resp: 420082

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

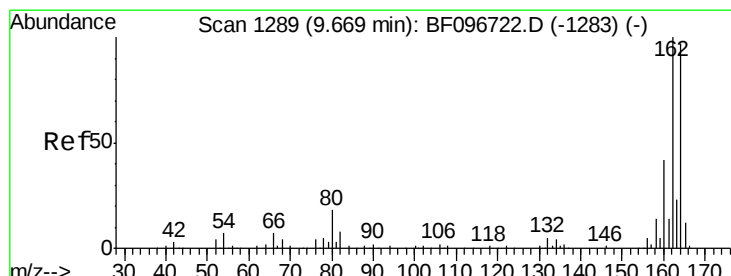
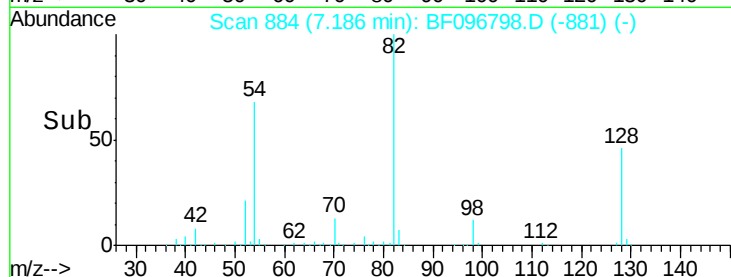
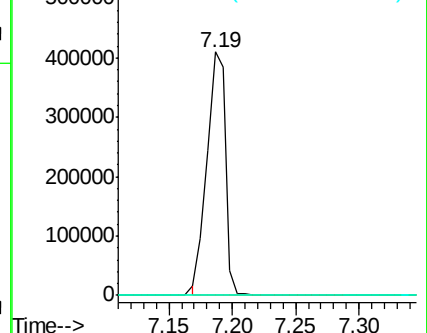
138 0.0 13.1 19.7#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

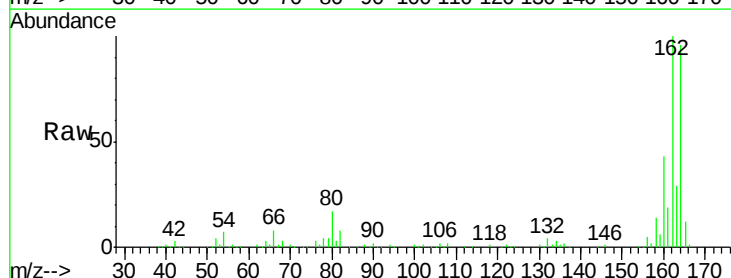
Tgt Ion:164 Resp: 147656

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

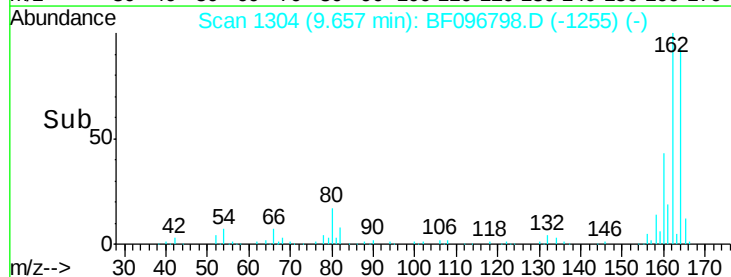
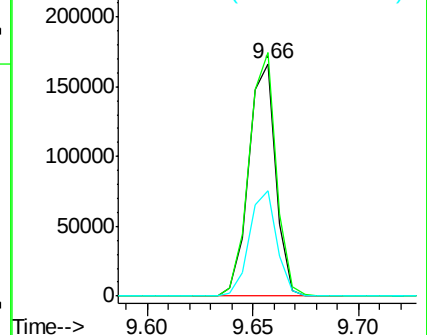
160 45.3 36.2 54.2

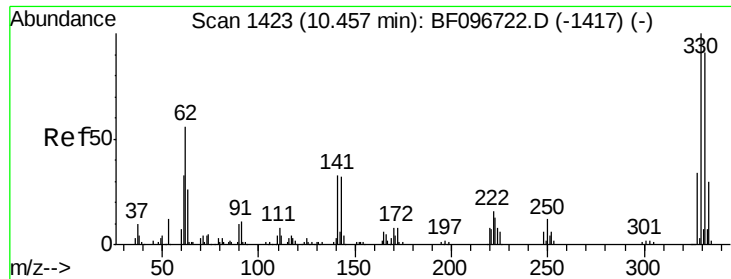


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

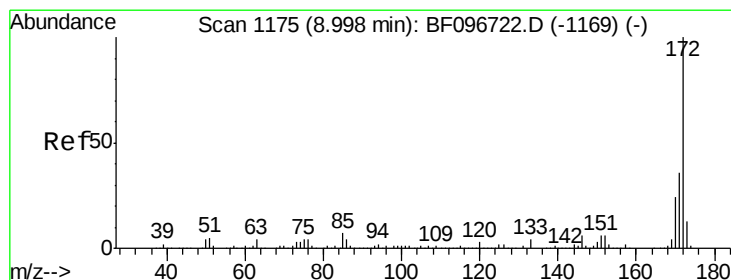
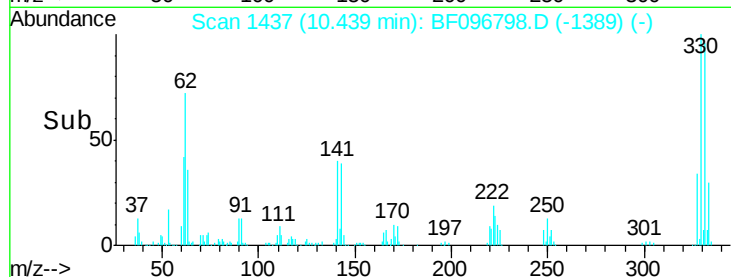
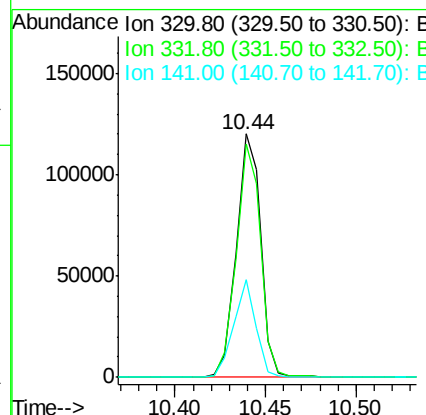
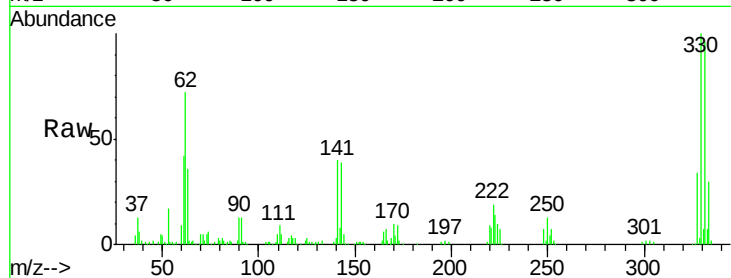




#41
 2,4,6-Tribromophenol
 Concen: 89.12 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

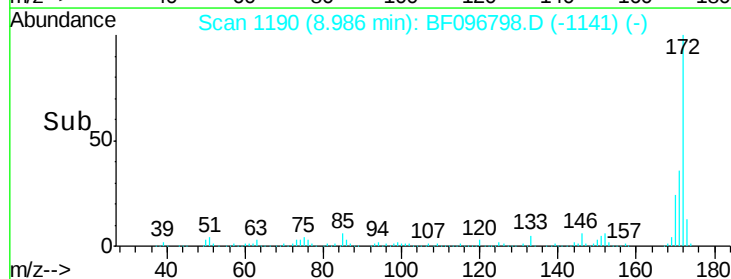
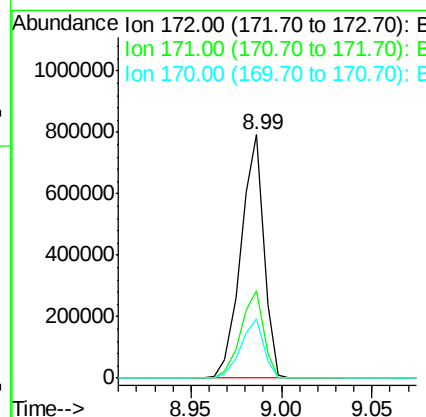
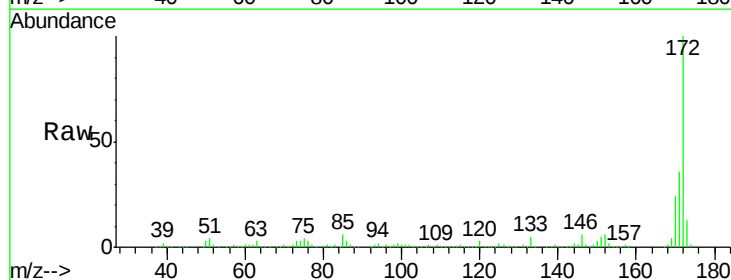
Instrument :
 BNA_F
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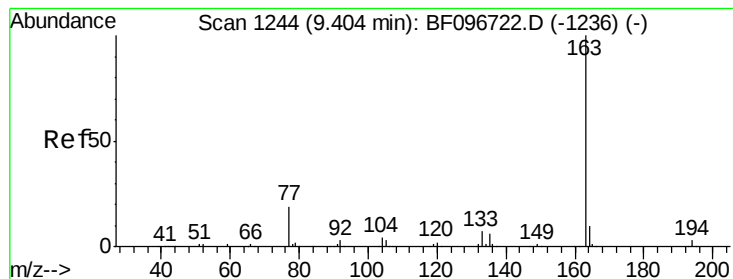
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	36.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 74.71 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.2	19.8	29.8





#49

Dimethylphthalate

Concen: 15.53 ng

RT: 9.38 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Instrument :

BNA_F

ClientSampled :

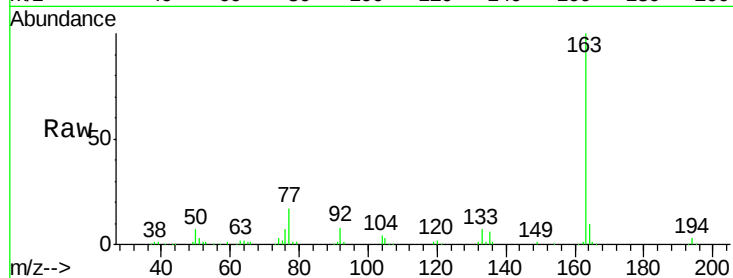
Tot Ion:163 Resp: 172711

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

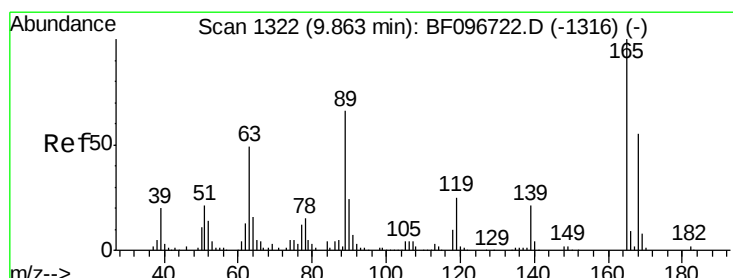
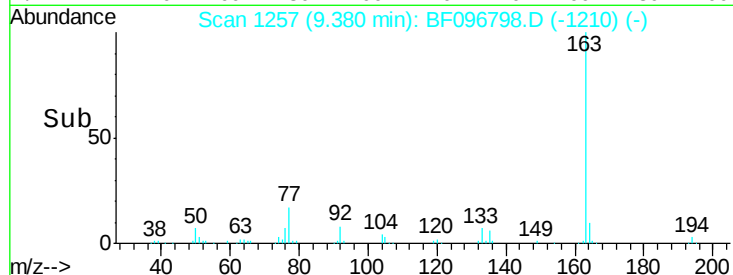
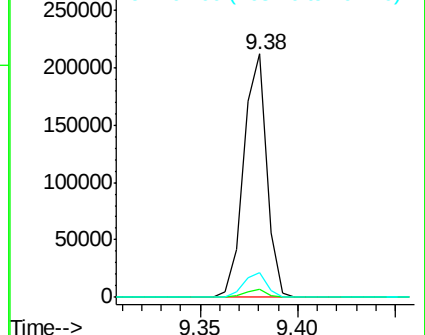
164 9.9 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.66 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF096798.D

Acq: 15 Jul 2017 3:38

Tgt Ion:165 Resp: 18562

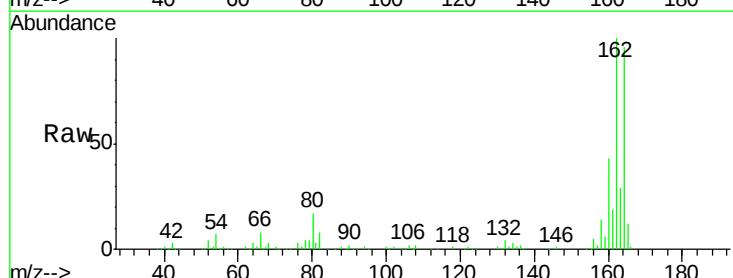
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

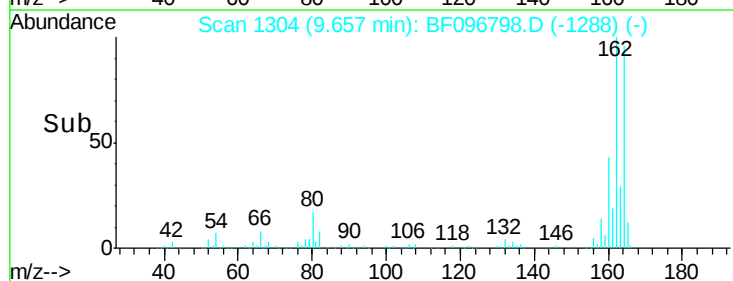
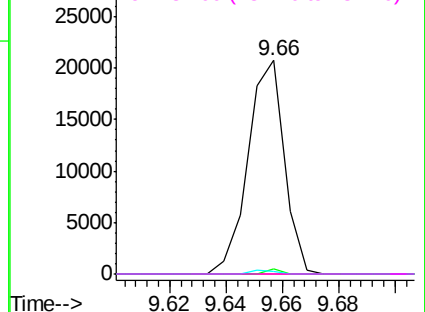


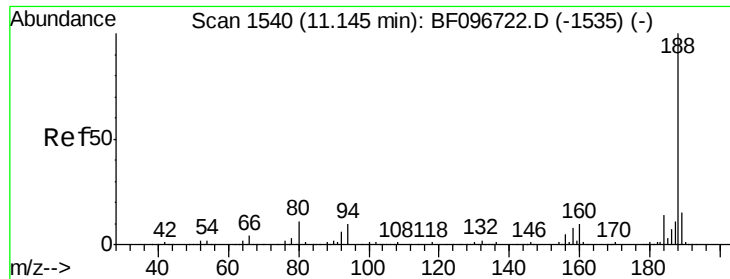
Abundance Ion 165.00 (164.70 to 165.70): E

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

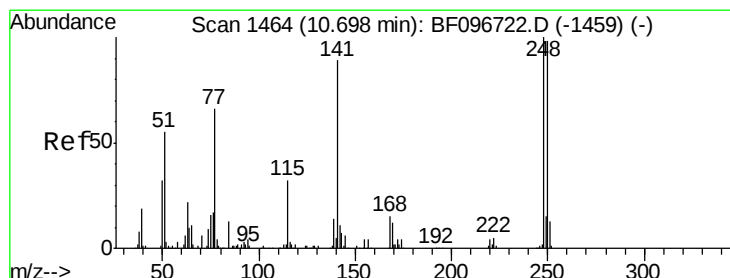
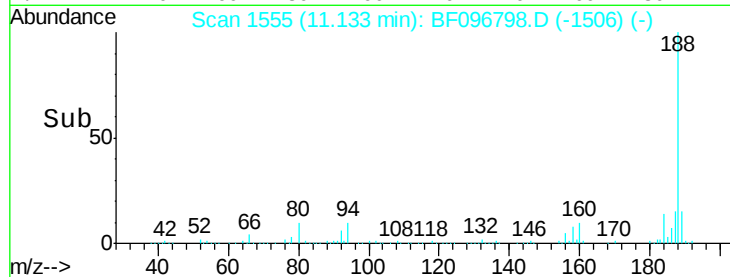
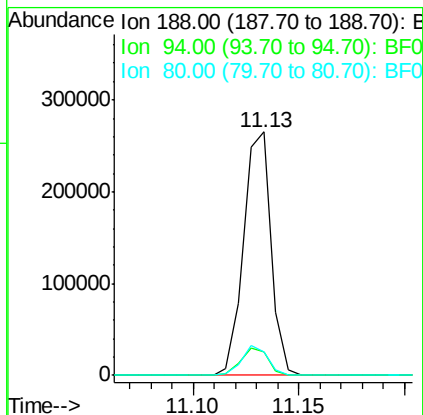
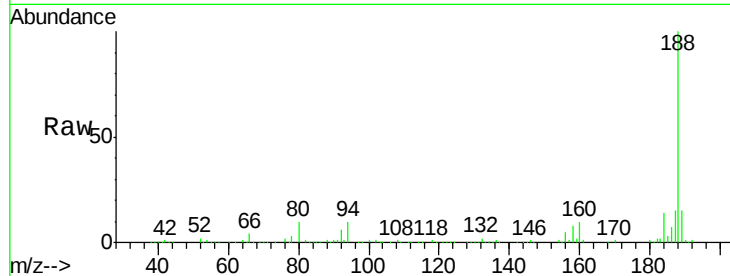




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

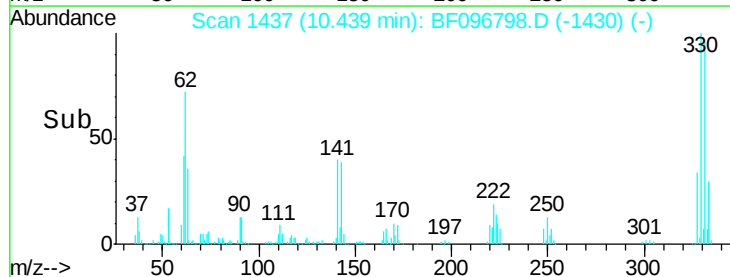
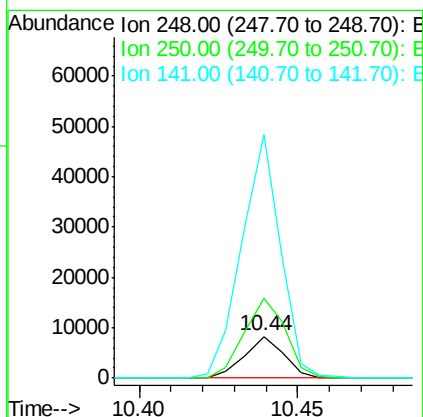
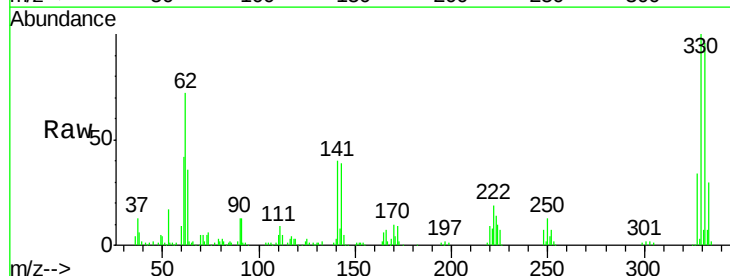
Instrument :
 BNA_F
 ClientSampleId :

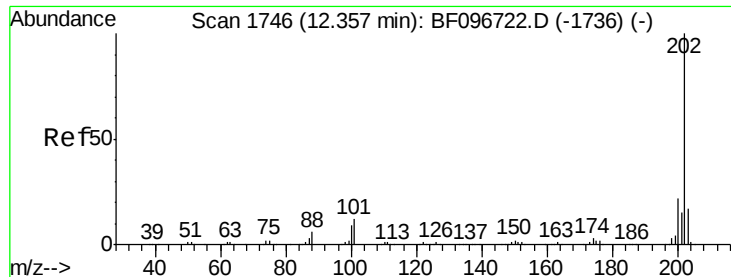
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	9.9	10.2	15.2#



#66
 4-Bromophenyl-phenylether
 Concen: 2.93 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.26 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.3	76.8	115.2#
141	586.8	68.6	103.0#

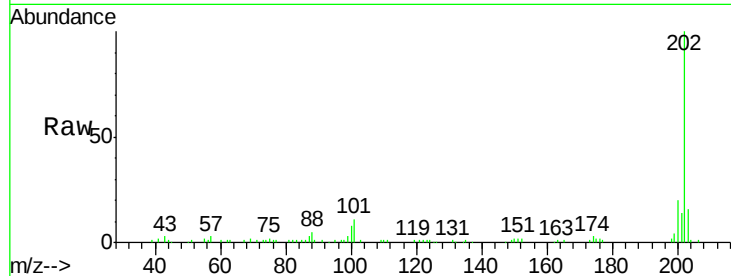




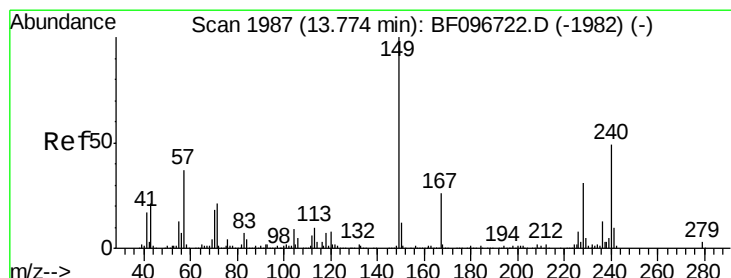
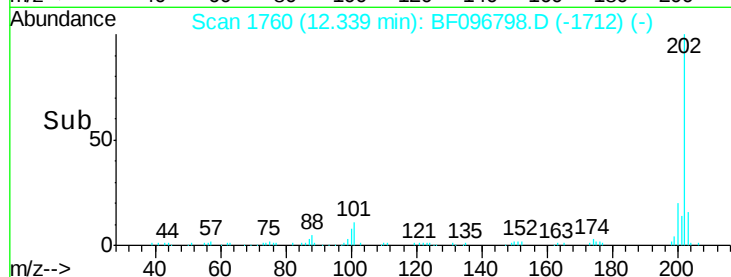
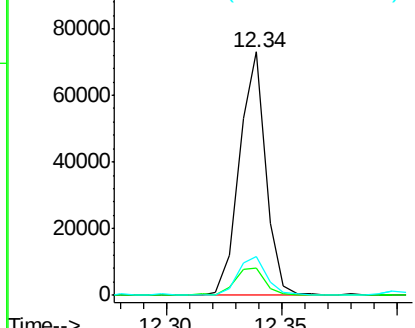
#74
 Fluoranthene
 Concen: 4.67 ng
 RT: 12.34 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	33.2
203	16.0	0.0	38.1

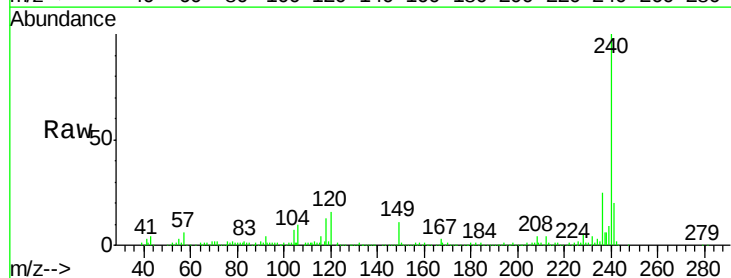


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

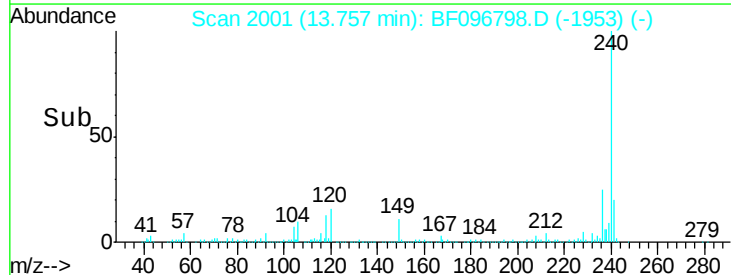
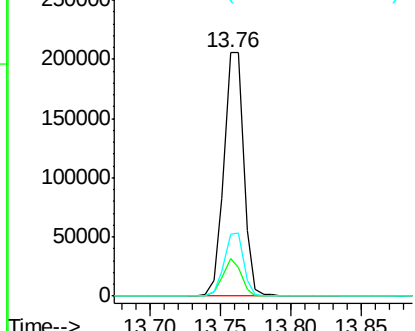


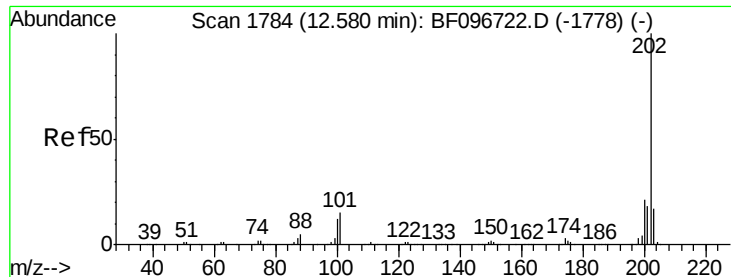
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.76 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF096798.D
 Acq: 15 Jul 2017 3:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	25.3	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

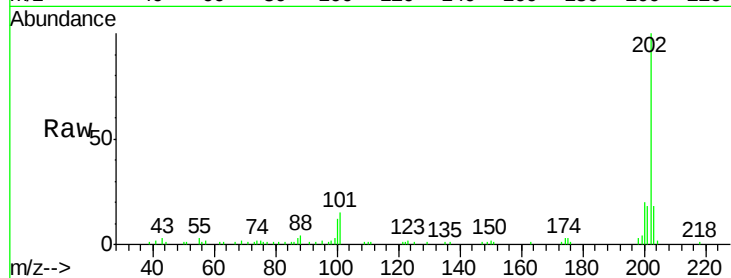




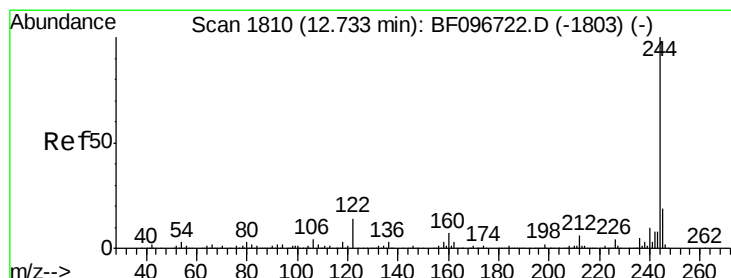
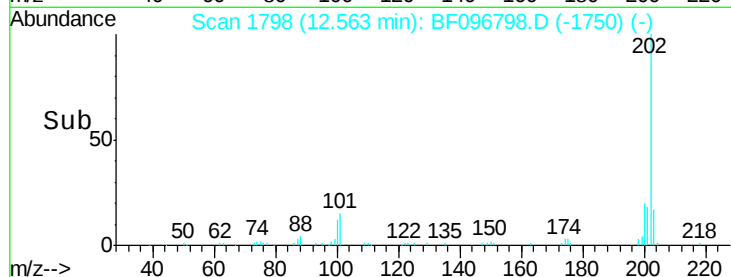
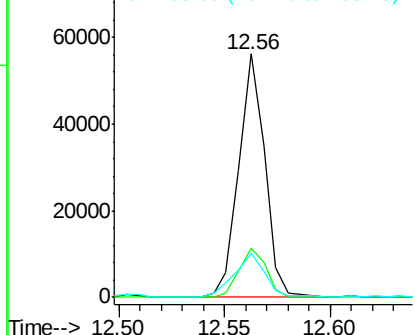
#77
Pvrene
Concen: 2.61 ng
RT: 12.56 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 48107
Ion Ratio Lower Upper
202 100
200 20.3 17.6 26.4
203 17.9 14.4 21.6

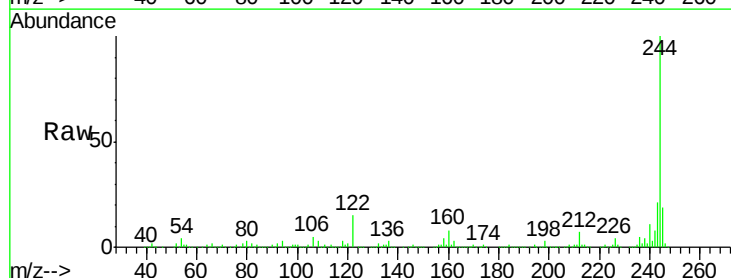


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

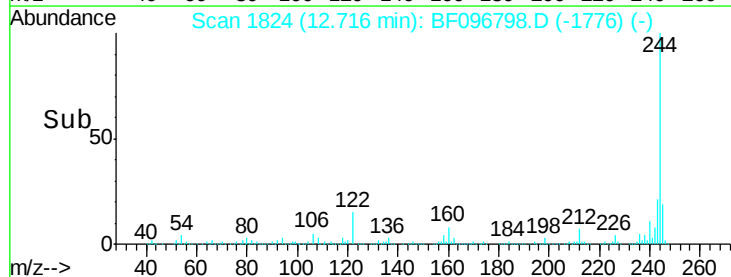
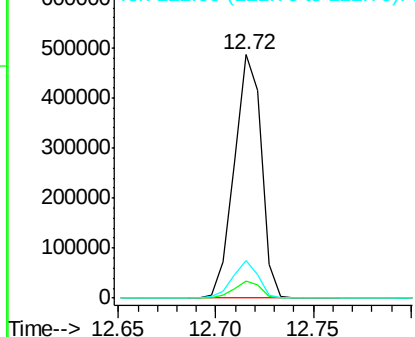


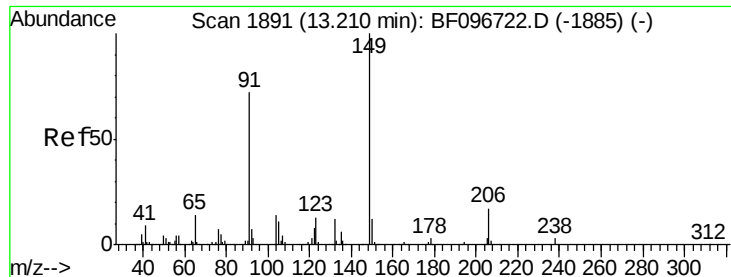
#78
Terphenyl-d14
Concen: 40.05 ng
RT: 12.72 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Tgt Ion:244 Resp: 468317
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 15.4 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

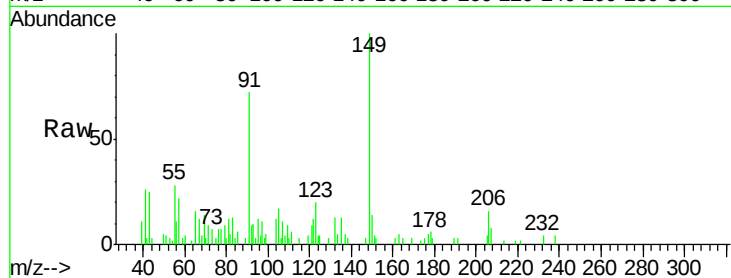




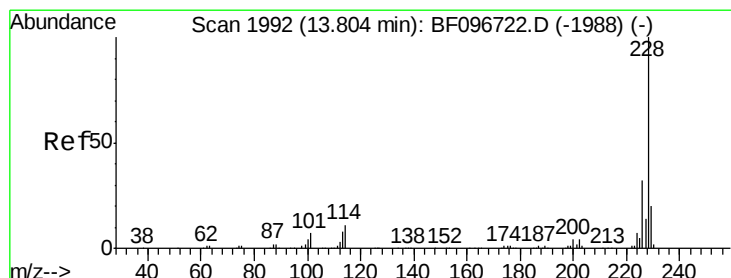
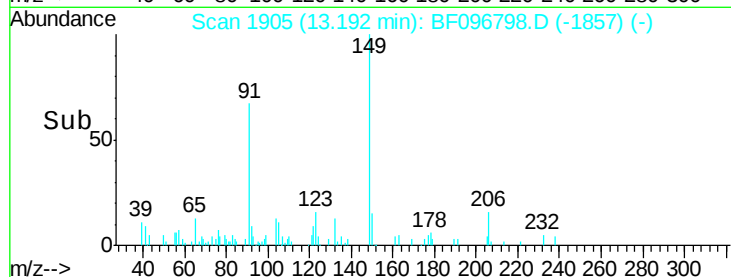
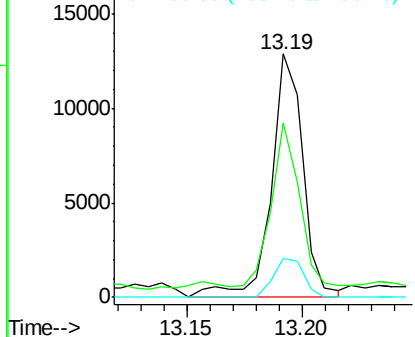
#79
Butylbenzylphthalate
Concen: 2.80 ng
RT: 13.19 min Scan# 1905
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 12252
Ion Ratio Lower Upper
149 100
91 71.7 45.0 67.4#
206 15.9 17.0 25.6#

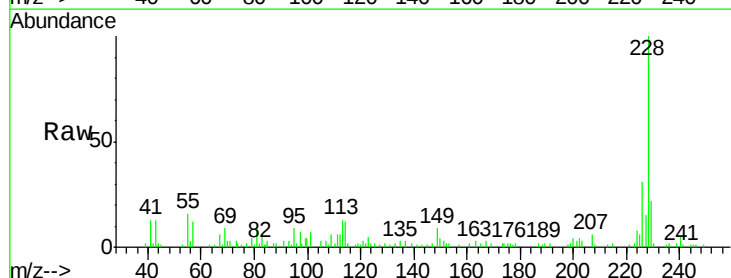


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

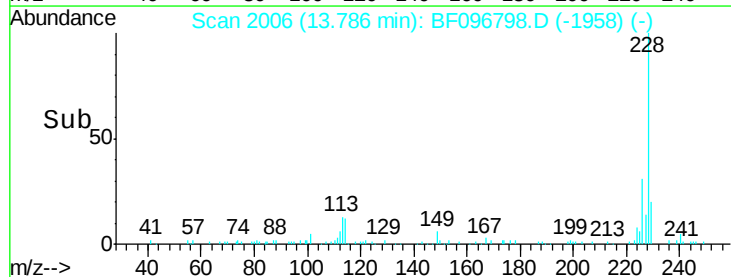
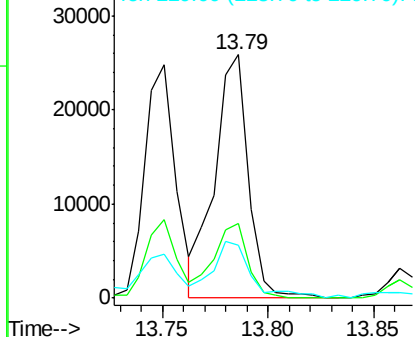


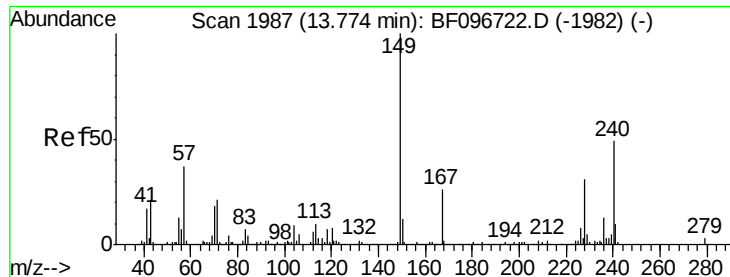
#82
Chrysene
Concen: 2.31 ng
RT: 13.79 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Tgt Ion:228 Resp: 28675
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 21.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

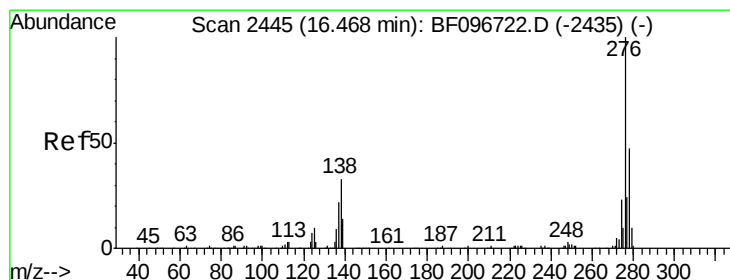
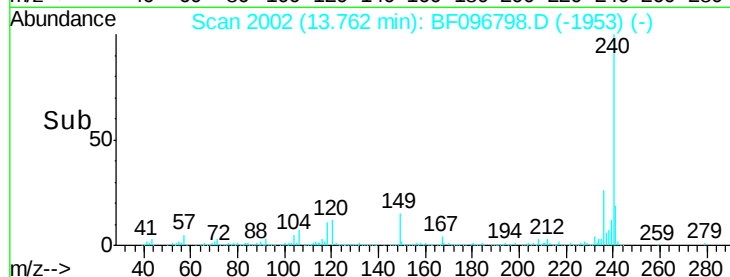
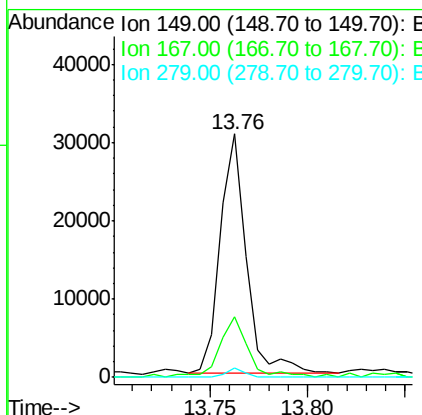
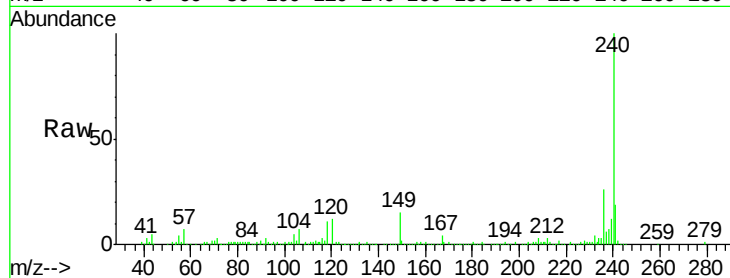




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.67 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

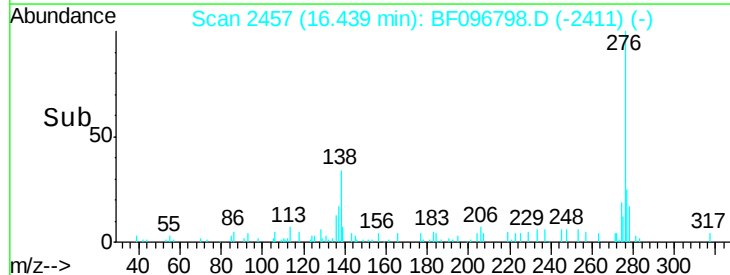
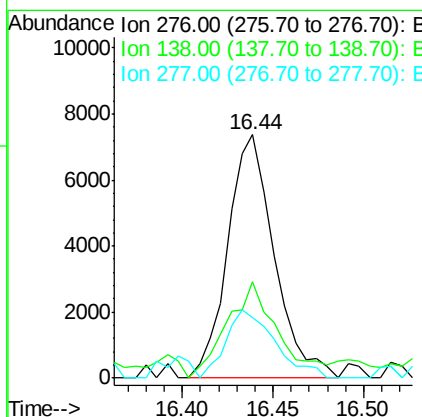
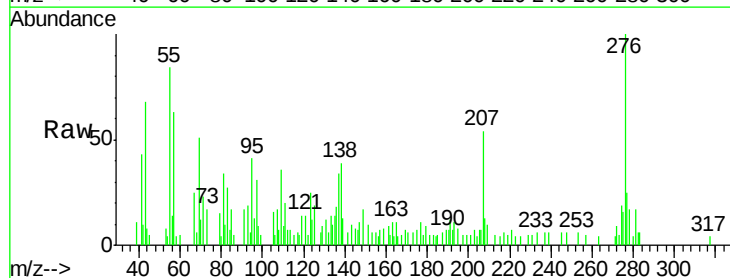
Instrument :
BNA_F
ClientSampleId :

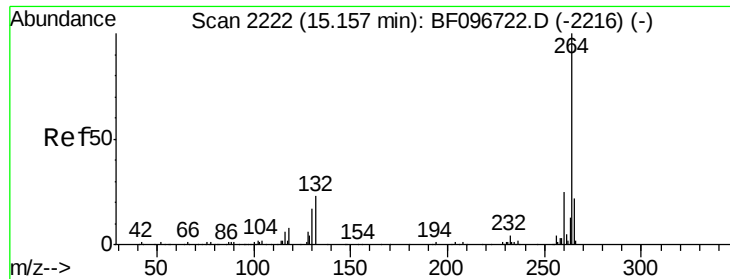
Tot Ion:149 Resp: 28439
Ion Ratio Lower Upper
149 100
167 24.8 21.0 31.4
279 3.7 1.9 2.9#



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.43 ng
RT: 16.44 min Scan# 2457
Delta R.T. -0.03 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Tgt Ion:276 Resp: 13166
Ion Ratio Lower Upper
276 100
138 43.1 27.8 41.6#
277 29.6 20.2 30.4

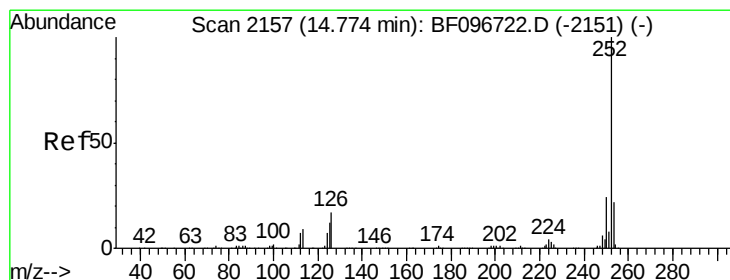
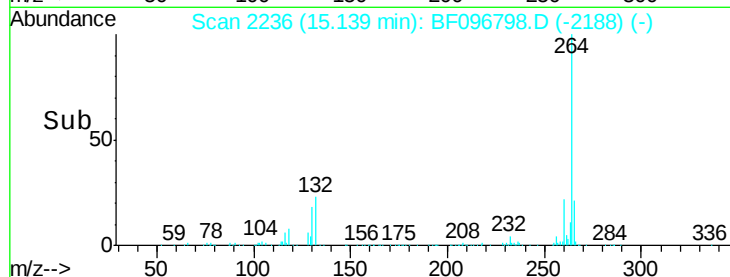
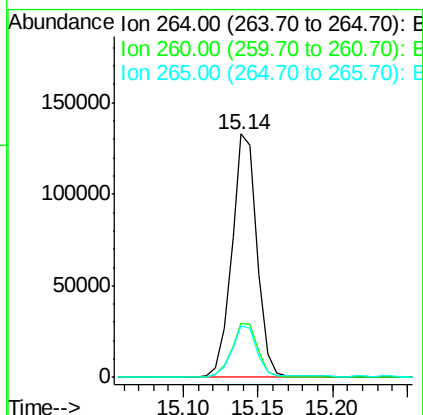
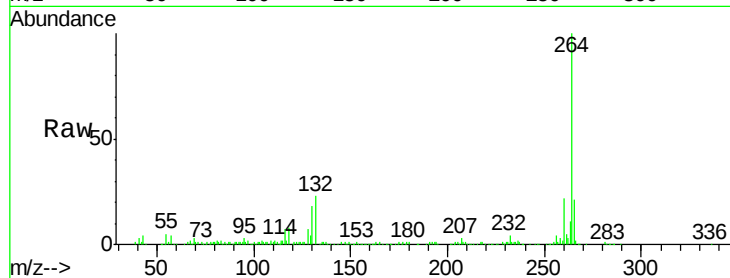




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

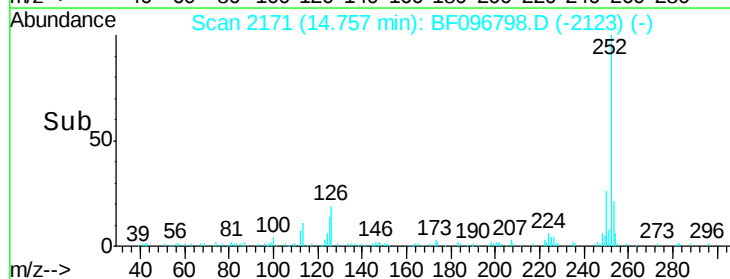
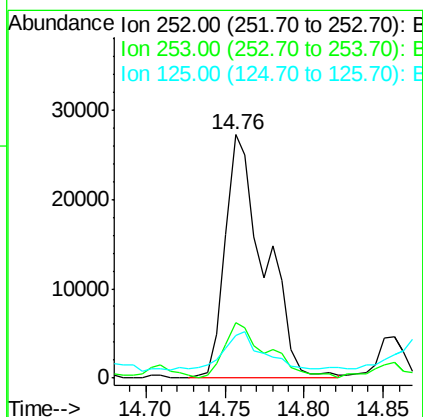
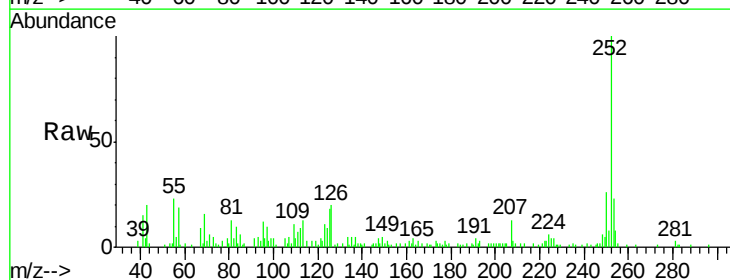
Instrument :
BNA_F
ClientSampleId :

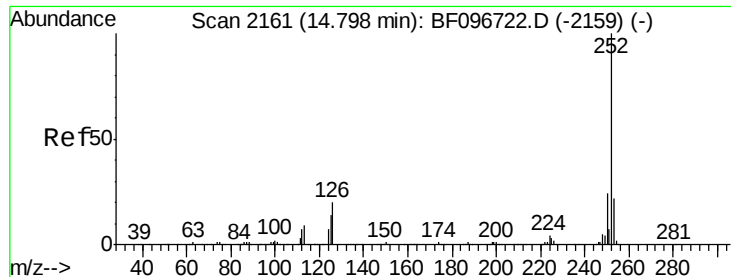
Tot Ion:264 Resp: 157441
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 21.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.94 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Tgt Ion:252 Resp: 46878
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 17.8 9.8 14.8#

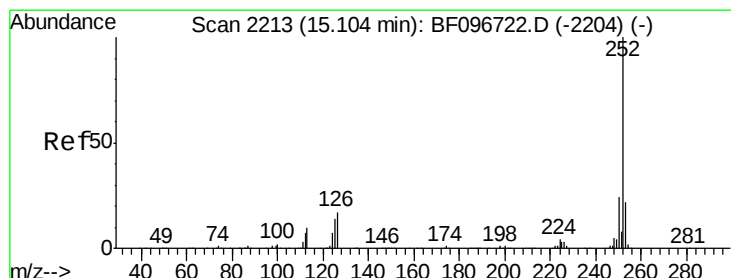
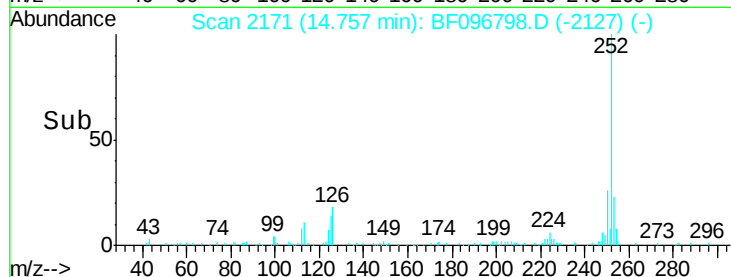
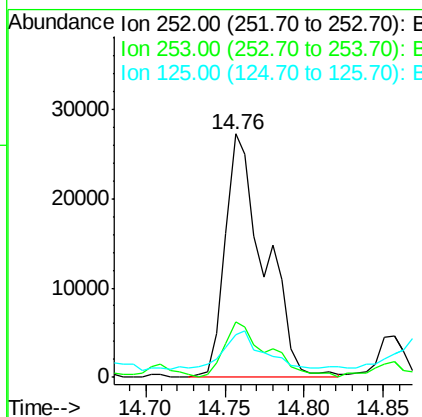
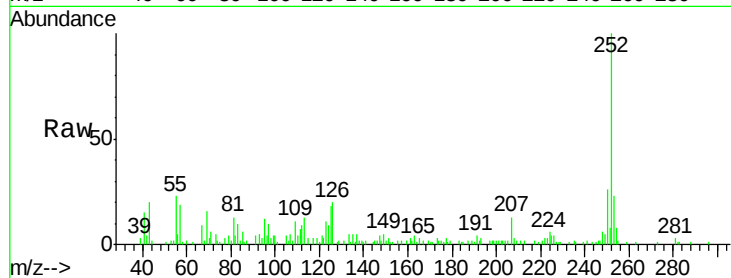




#88
Benzo(k)fluoranthene
Concen: 5.21 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	17.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.59 ng
RT: 15.08 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BF096798.D
Acq: 15 Jul 2017 3:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	21.2	11.0	16.4

