

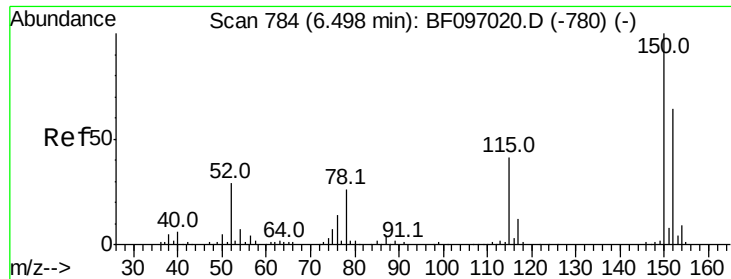
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097145.D
 Acq On : 28 Jul 2017 10:57
 Operator : SJ/JU
 Sample : I4424-10RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

Quant Time: Jul 28 13:20:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	62811	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	267198	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	115912	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	189357	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	114455	20.00	ng	-0.02
86) Perylene-d12	14.96	264	115704	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	430619	103.35	ng	-0.01
7) Phenol-d6	6.15	99	492009	103.44	ng	-0.02
23) Nitrobenzene-d5	7.05	82	291327	63.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	98920	108.01	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	464854	68.06	ng	-0.02
78) Terphenyl-d14	12.57	244	292153	52.04	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.16	94	13124	2.326	ng	82
19) n-Nitroso-di-n-propylamine	7.05	70	37601	12.009	ng	# 88
25) Isophorone	7.05	82	290499	32.568	ng	# 67
49) Dimethylphthalate	9.25	163	99917	11.351	ng	99
56) 2,4-Dinitrotoluene	9.52	165	14192	6.613	ng	# 33
59) Diethylphthalate	9.95	149	22114	2.738	ng	99
66) 4-Bromophenyl-phenylether	10.30	248	6370	3.371	ng	# 1
70) Phenanthrene	11.01	178	23835	2.349	ng	97
71) Anthracene	11.01	178	23835	2.294	ng	98
74) Fluoranthene	12.19	202	43027	4.329	ng	98
77) Pyrene	12.42	202	41623	4.442	ng	98
80) Benzo(a)anthracene	13.60	228	18920	2.555	ng	94
82) Chrysene	13.64	228	19063	2.636	ng	96
85) Indeno(1,2,3-cd)pyrene	16.18	276	12583	2.029	ng	93
87) Benzo(b)fluoranthene	14.60	252	34414	4.948	ng	# 87
88) Benzo(k)fluoranthene	14.60	252	34414	5.192	ng	# 92
89) Benzo(a)pyrene	14.91	252	18693	2.937	ng	# 92
91) Benzo(g,h,i)perylene	16.55	276	12362	2.258	ng	# 85

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

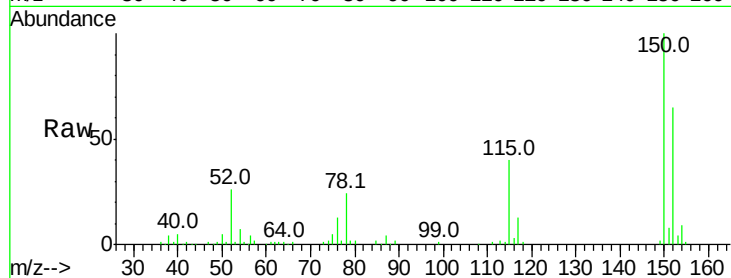


#1

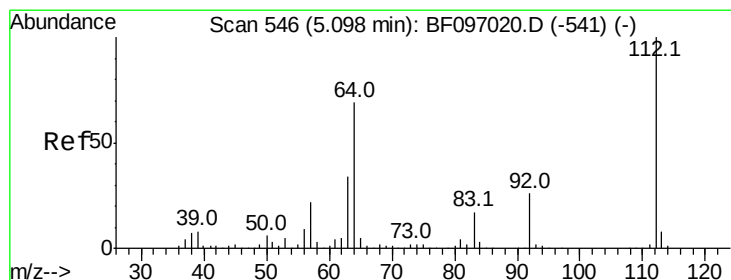
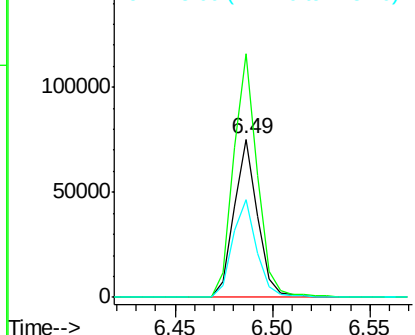
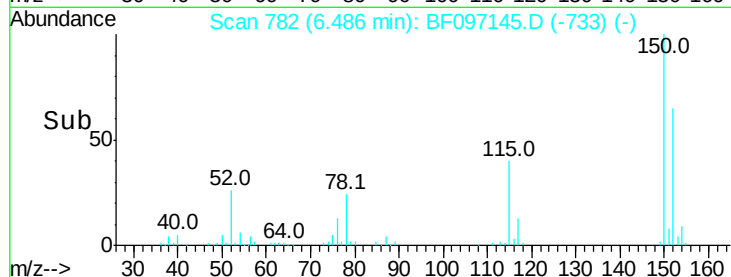
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

Tot Ion:152 Resp: 62811
 Ion Ratio Lower Upper
 152 100
 150 154.2 126.2 189.2
 115 62.2 52.2 78.2



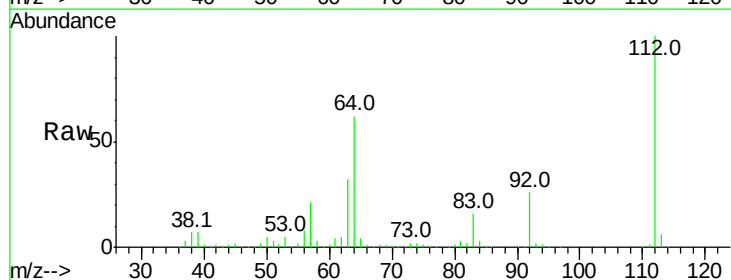
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



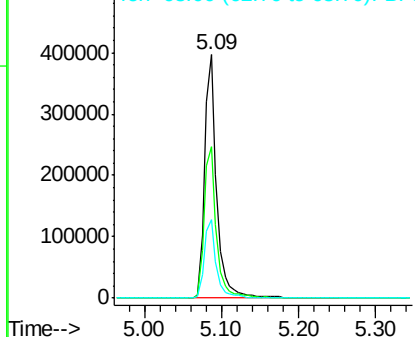
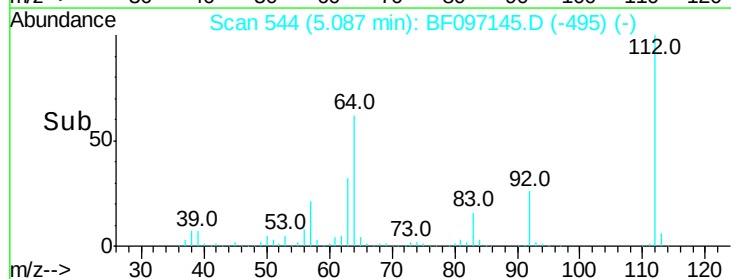
#5

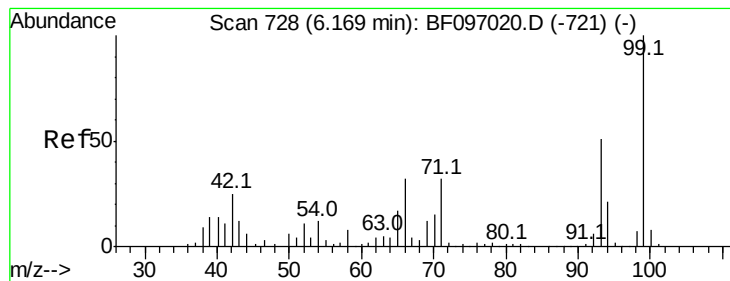
2-Fluorophenol
 Concen: 103.350 ng
 RT: 5.09 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Tgt Ion:112 Resp: 430619
 Ion Ratio Lower Upper
 112 100
 64 62.3 46.0 69.0
 63 32.3 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: 103.436 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-DRE

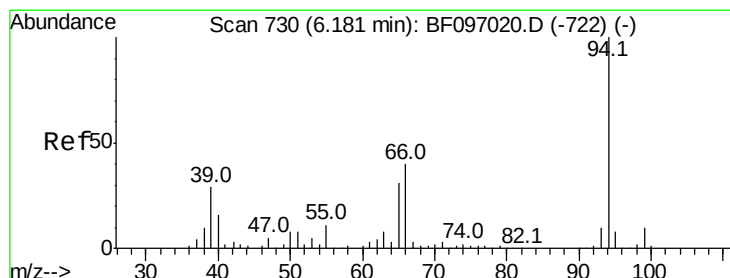
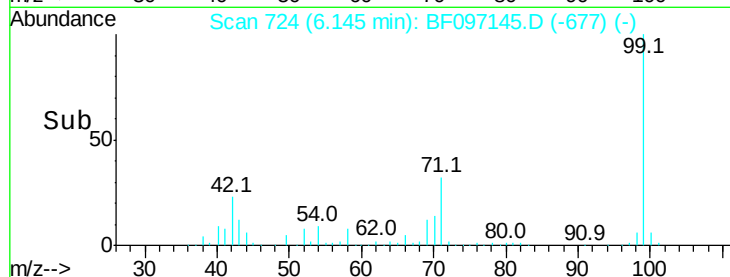
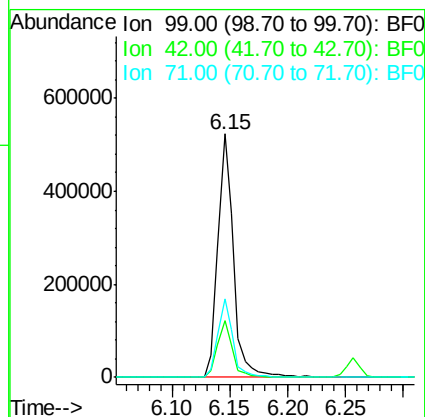
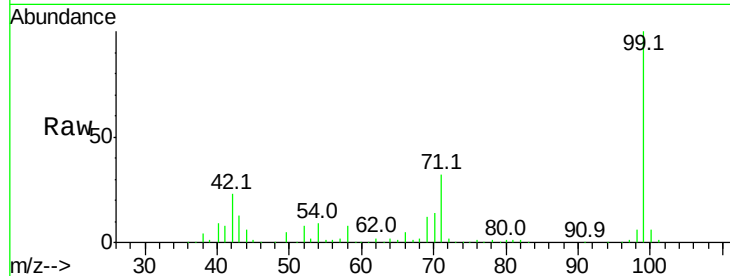
Tot Ion: 99 Resp: 492009

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

71 32.4 24.5 36.7



#10

Phenol

Concen: 2.326 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

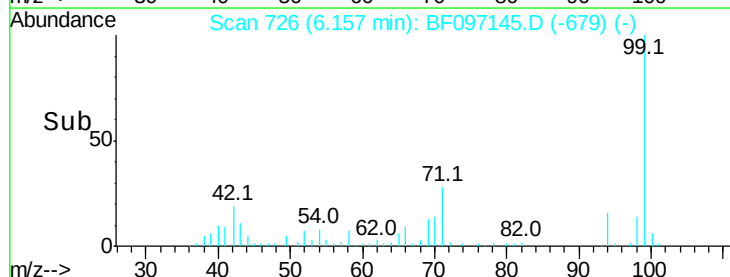
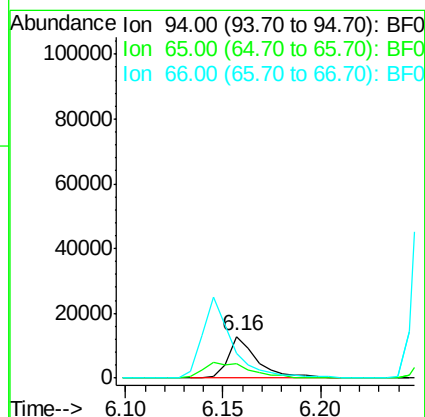
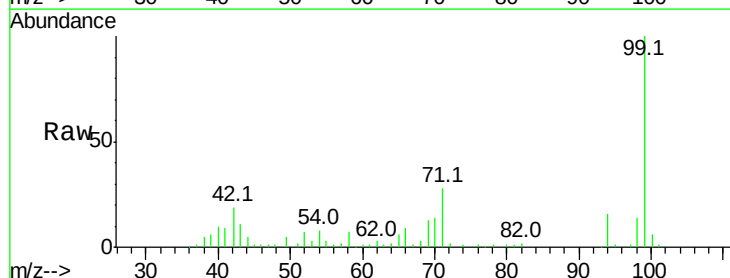
Tgt Ion: 94 Resp: 13124

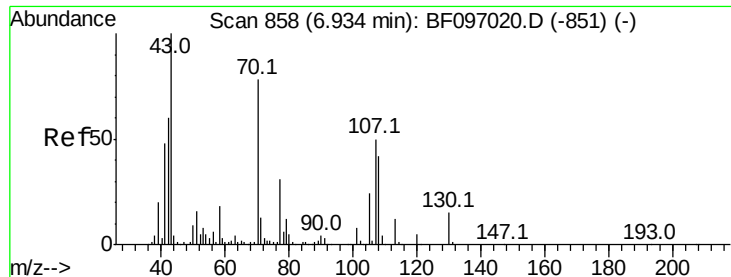
Ion Ratio Lower Upper

94 100

65 35.7 9.9 49.9

66 58.4 23.1 63.1

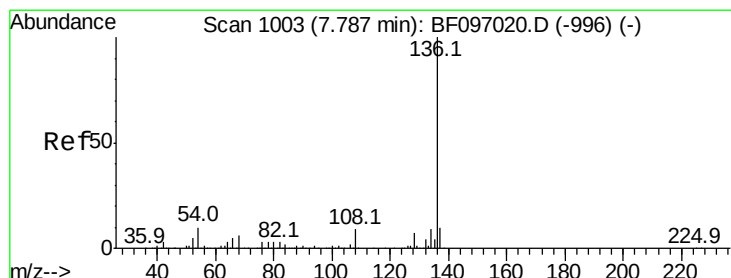
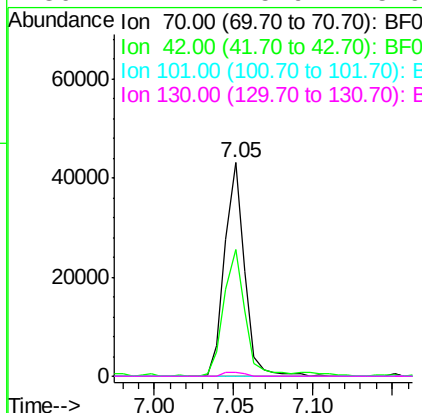
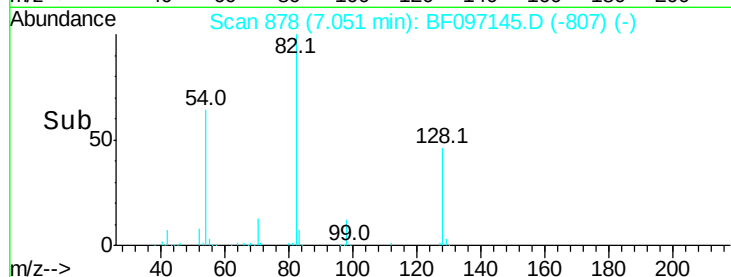
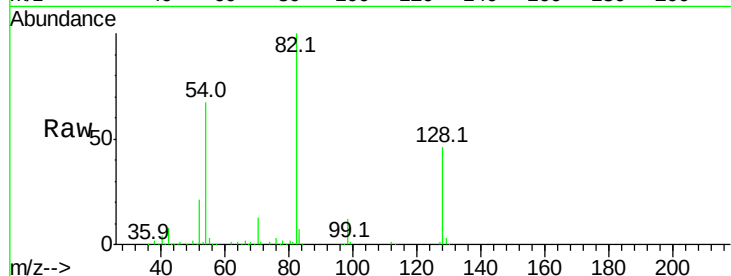




#19
n-Nitroso-di-n-propylamine
Concen: 12.009 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

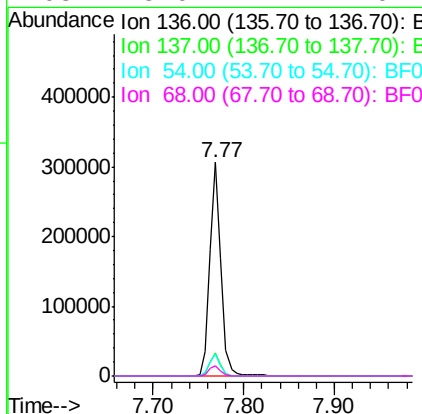
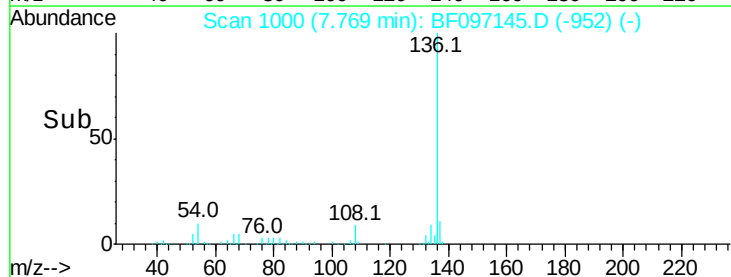
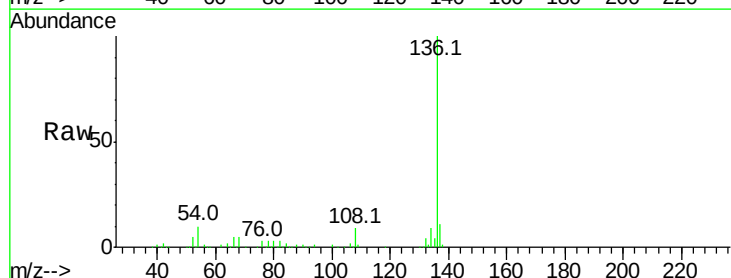
Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

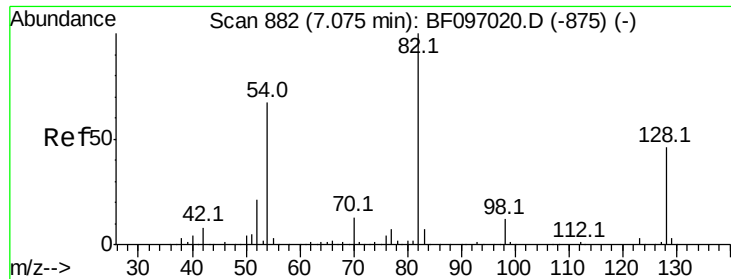
Tot Ion: 70 Resp: 37601
Ion Ratio Lower Upper
70 100
42 59.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion:136 Resp: 267198
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 10.3 4.9 7.3#
68 5.0 4.1 6.1

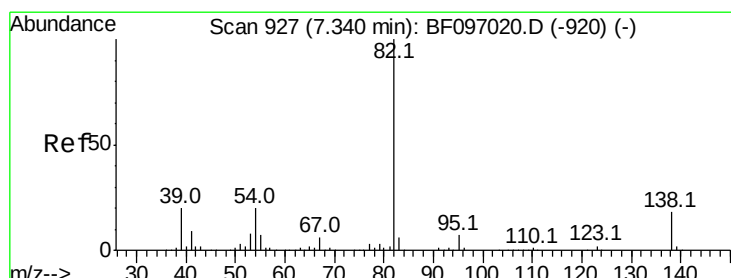
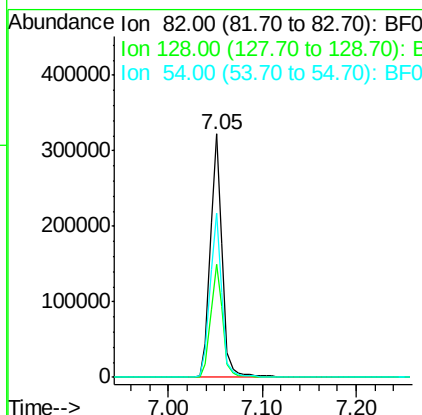
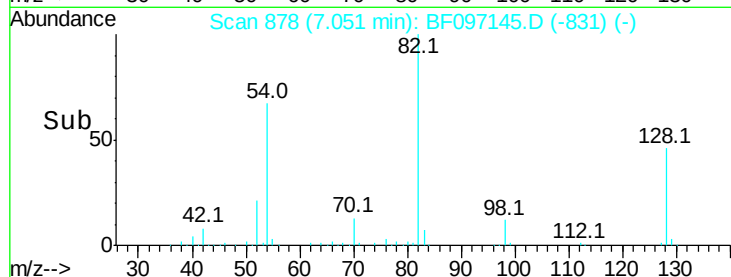
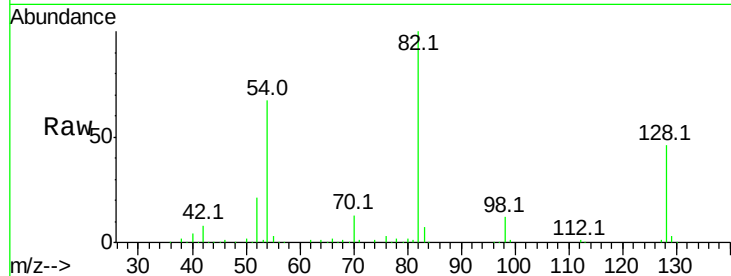




#23
 Nitrobenzene-d5
 Concen: 63.962 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

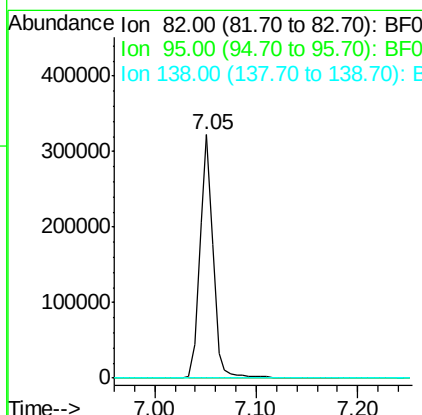
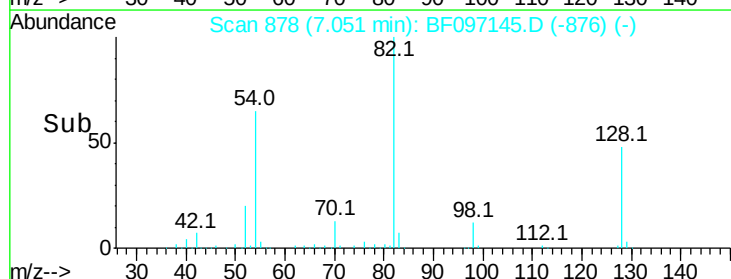
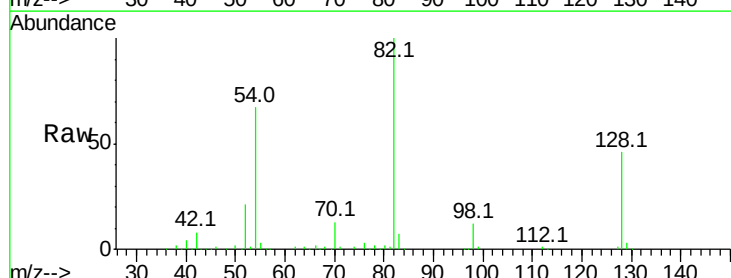
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

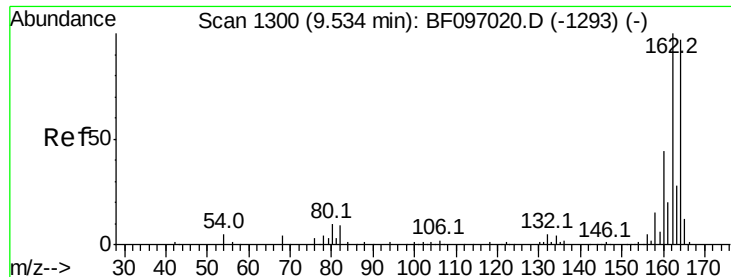
Tot Ion	82	Resp	291327
Ion Ratio	Lower	Upper	
82	100		
128	46.5	34.0	51.0
54	67.3	42.2	63.2#



#25
 Isophorone
 Concen: 32.568 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Tgt Ion	82	Resp	290499
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

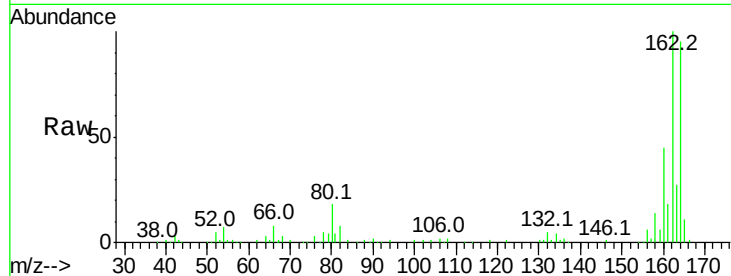




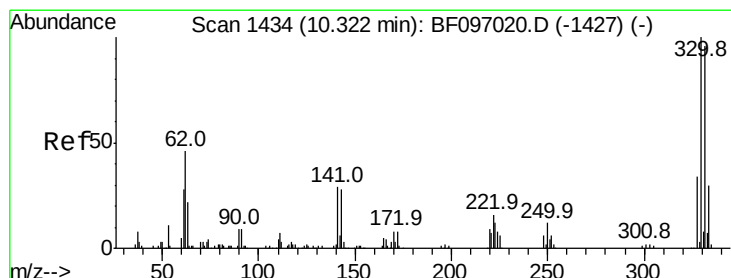
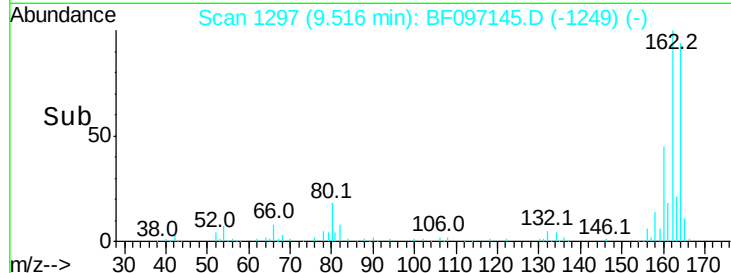
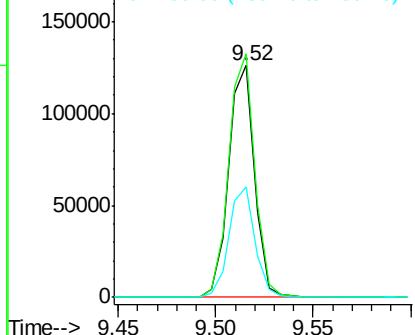
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Tot Ion:164 Resp: 115912
Ion Ratio Lower Upper
164 100
162 105.0 82.6 123.8
160 47.4 36.2 54.2

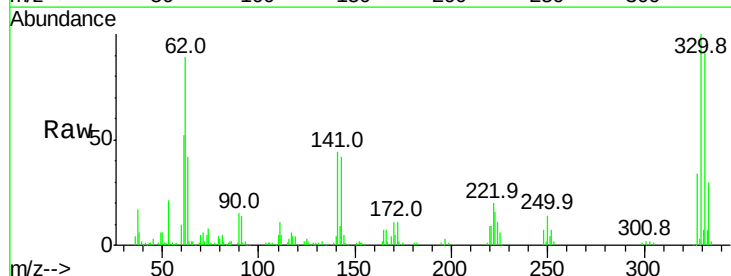


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

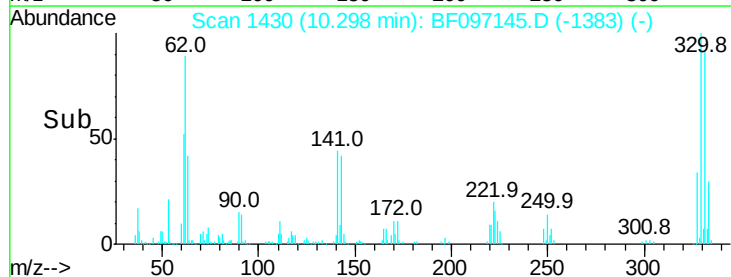
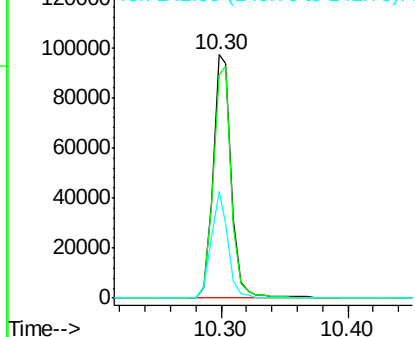


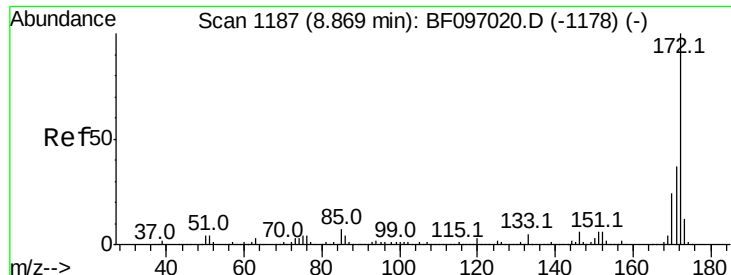
#41
2,4,6-Tribromophenol
Concen: 108.013 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion:330 Resp: 98920
Ion Ratio Lower Upper
330 100
332 94.4 76.6 115.0
141 40.0 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

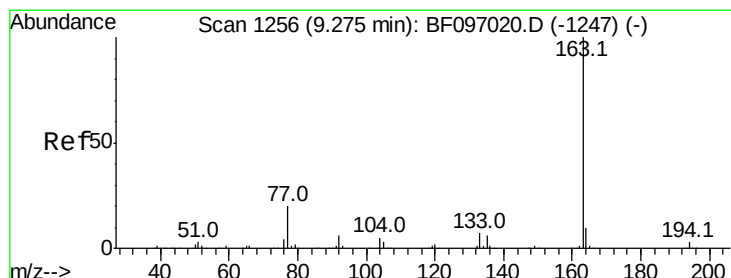
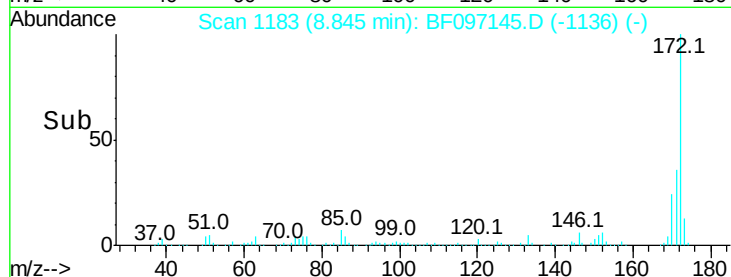
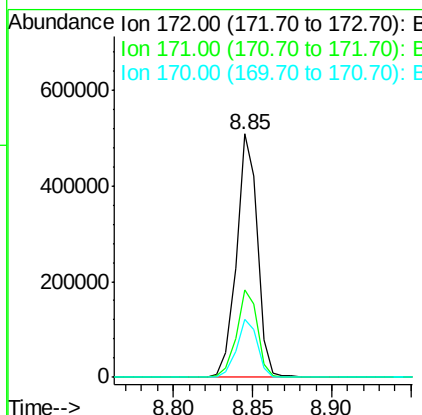
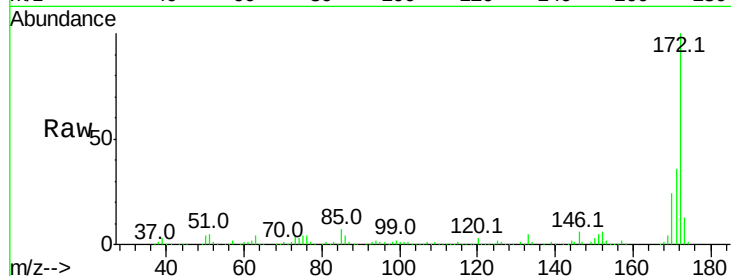




#44
2-Fluorobiphenyl
Concen: 68.060 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

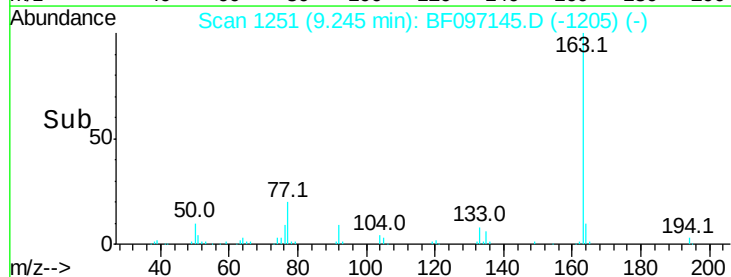
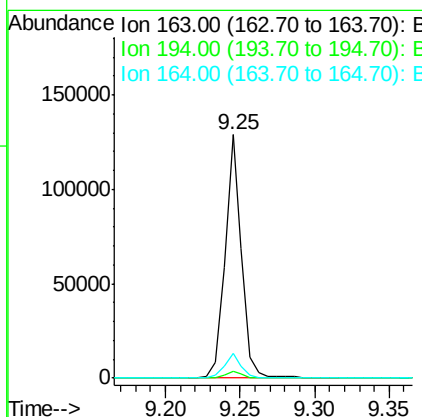
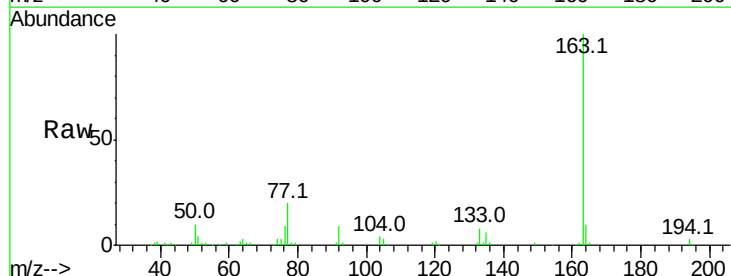
Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

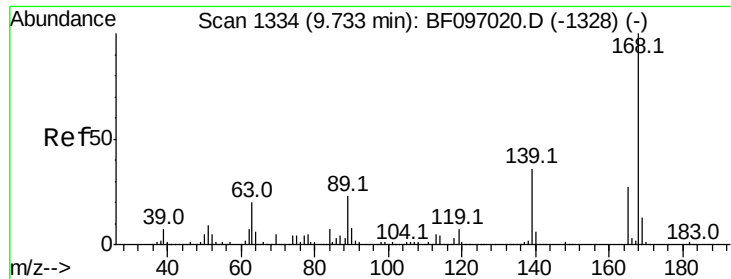
Tot Ion:172 Resp: 464854
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 11.351 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion:163 Resp: 99917
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.2 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.613 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-DRE

Tot Ion:165 Resp: 14192

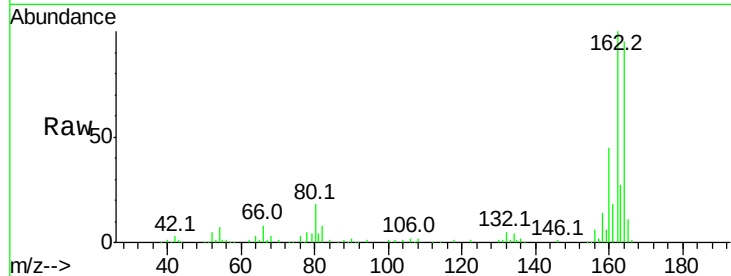
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

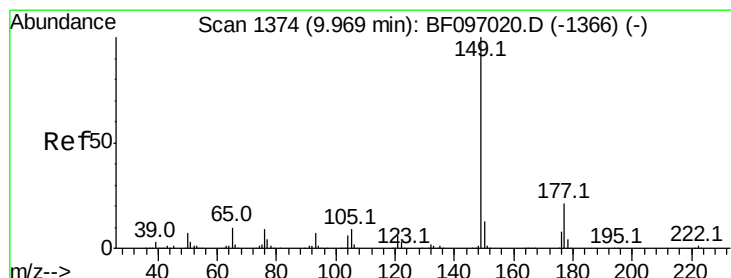
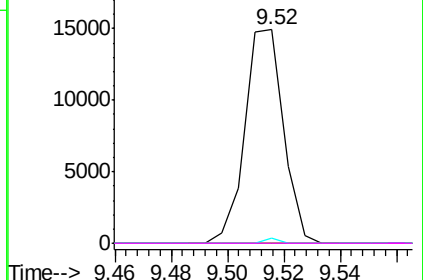
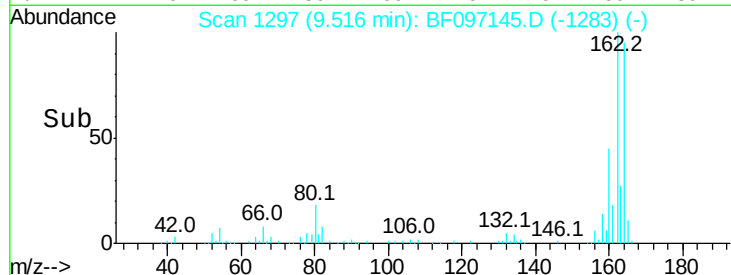


Abundance Ion 165.00 (164.70 to 165.70): E

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



#59

Diethylphthalate

Concen: 2.738 ng

RT: 9.95 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

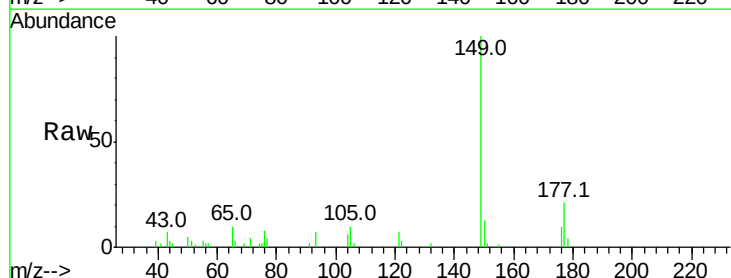
Tgt Ion:149 Resp: 22114

Ion Ratio Lower Upper

149 100

177 21.2 16.7 25.1

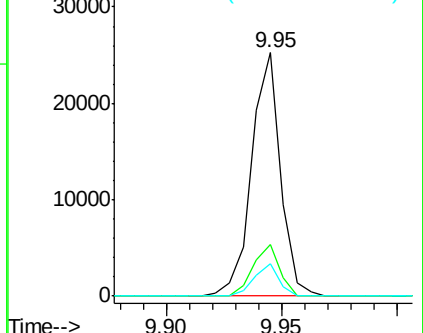
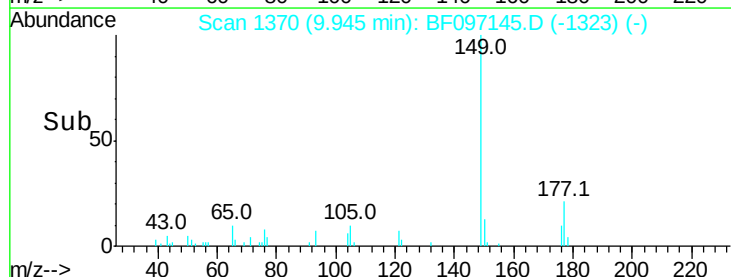
150 13.2 10.2 15.2

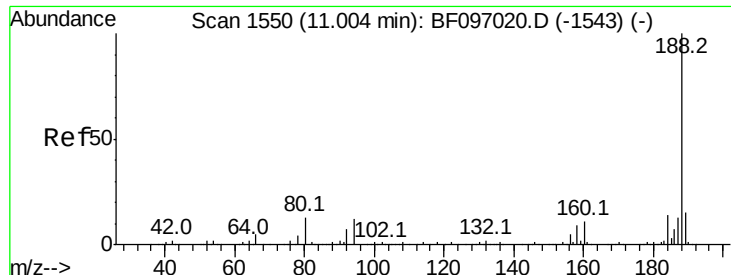


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

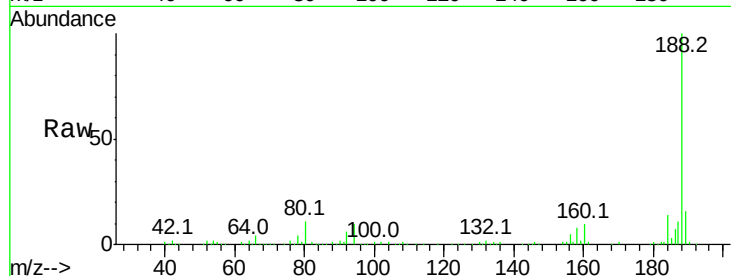




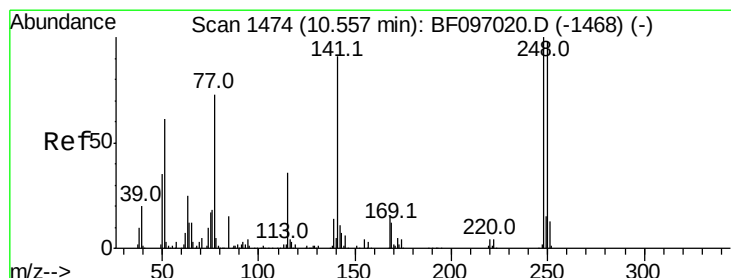
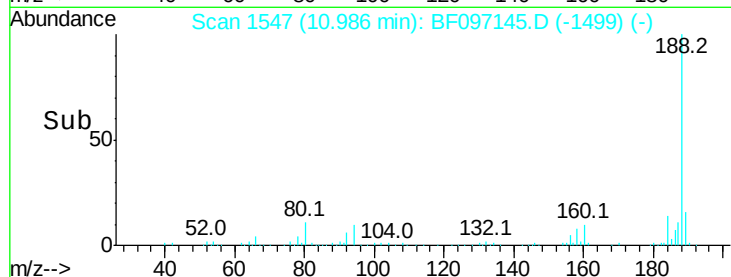
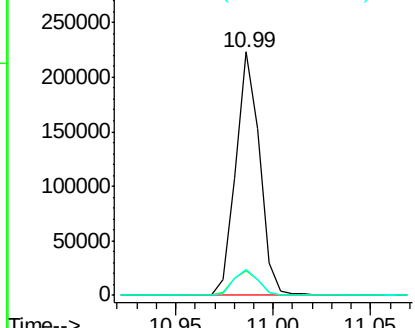
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.9	10.2	15.2

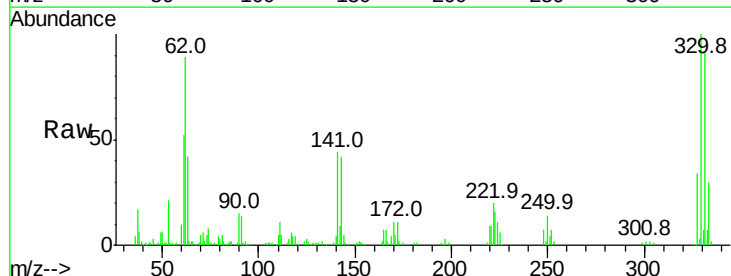


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

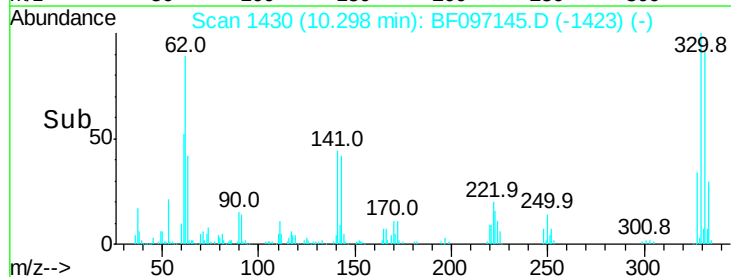
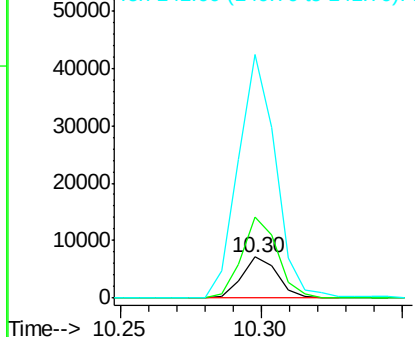


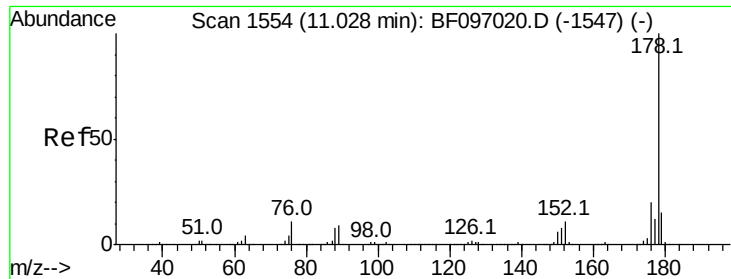
#66
4-Bromophenyl-phenylether
Concen: 3.371 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
248	100		
250	197.0	76.8	115.2#
141	594.7	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: 2.349 ng

RT: 11.01 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-DRE

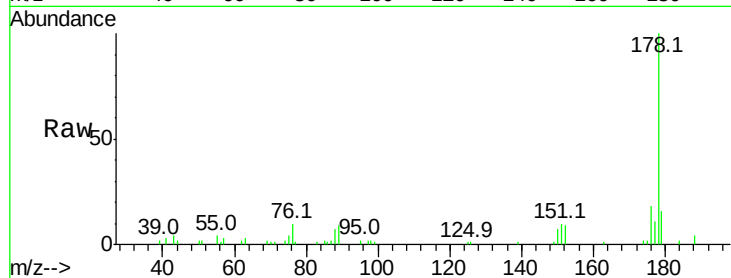
Tot Ion:178 Resp: 23835

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.4

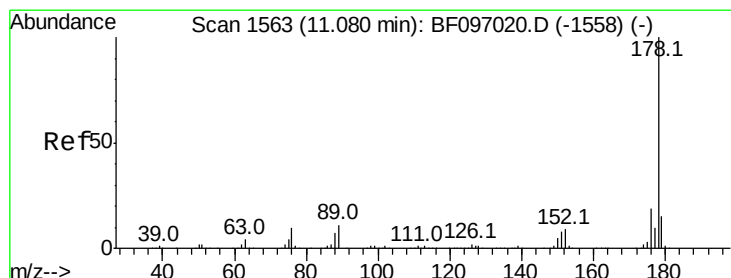
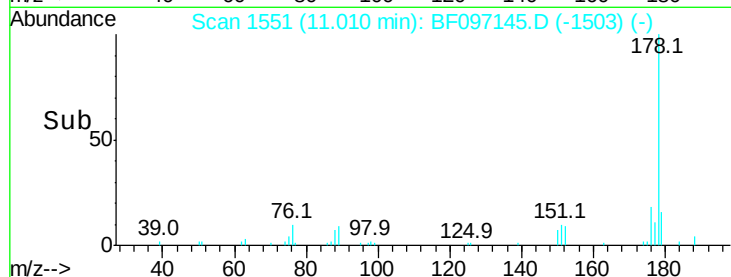
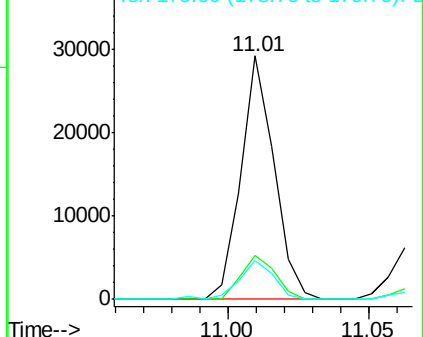
179 16.0 12.6 19.0



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: 2.294 ng

RT: 11.01 min Scan# 1551

Delta R.T. -0.07 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

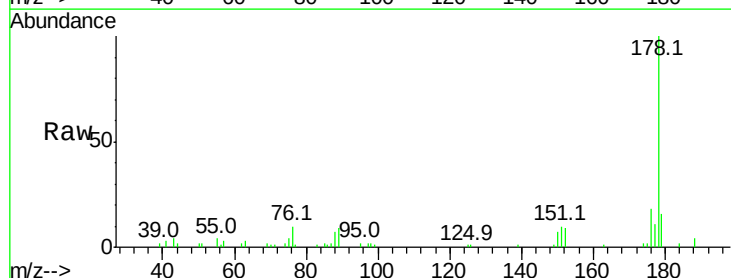
Tgt Ion:178 Resp: 23835

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

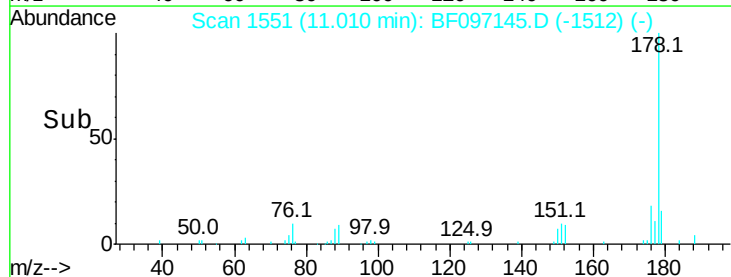
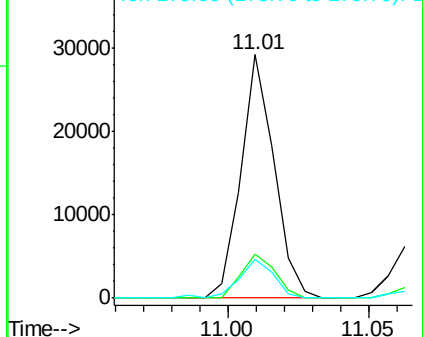
179 16.0 12.7 19.1

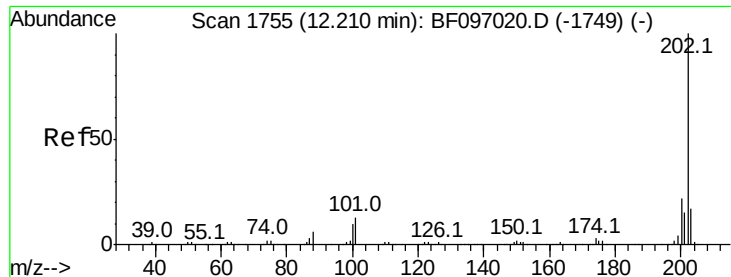


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

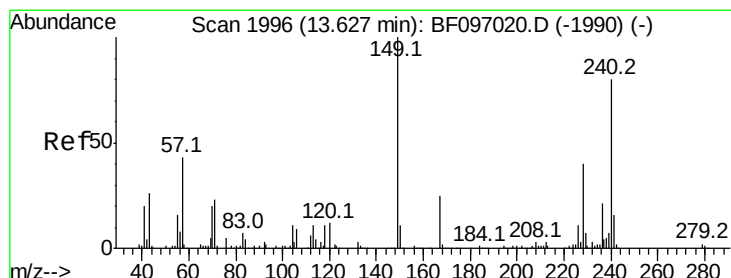
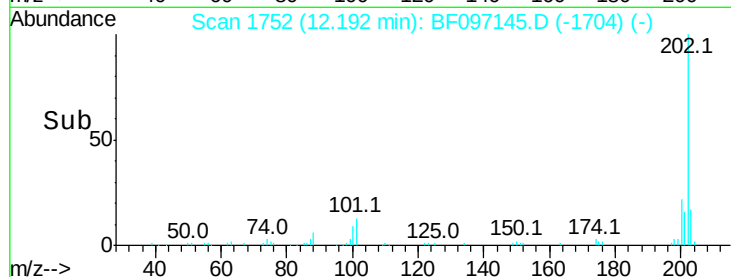
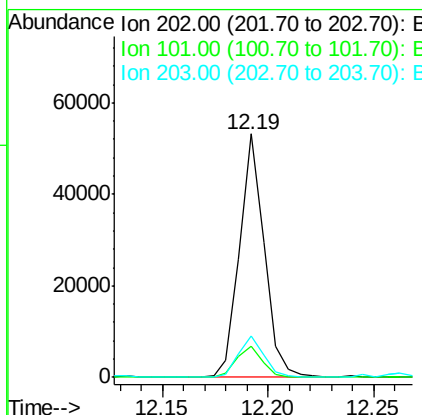
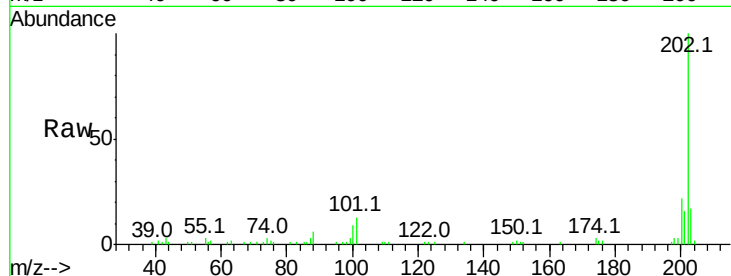




#74
 Fluoranthene
 Concen: 4.329 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

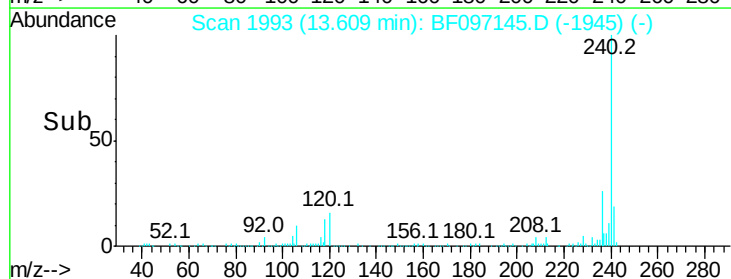
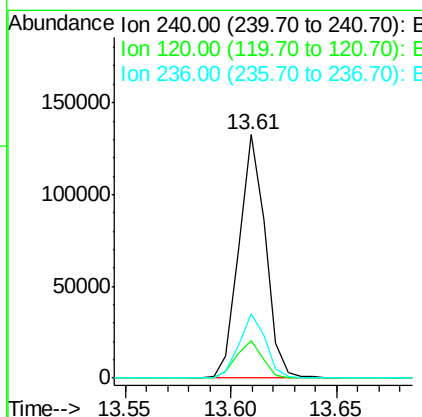
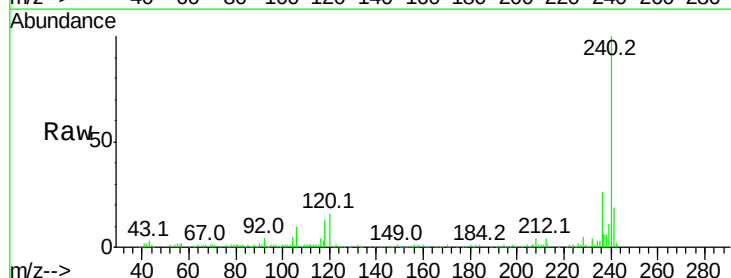
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

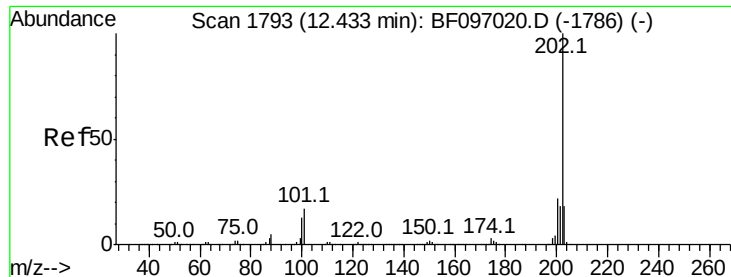
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	16.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.61 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	26.3	20.5	30.7

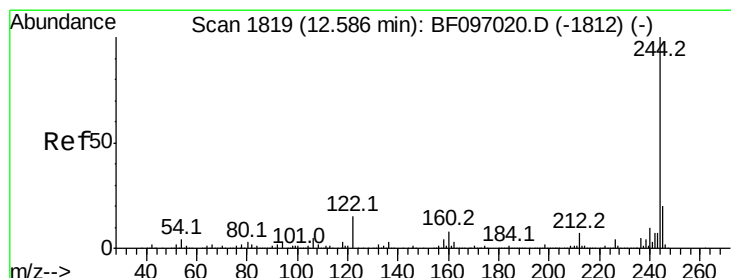
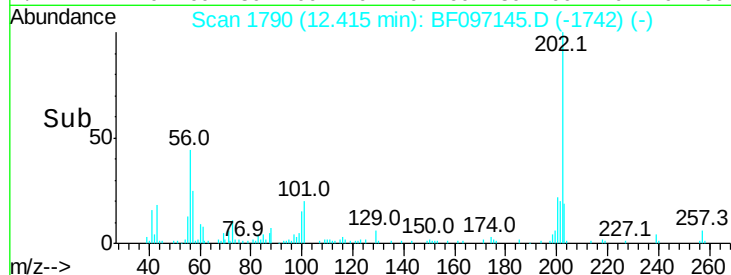
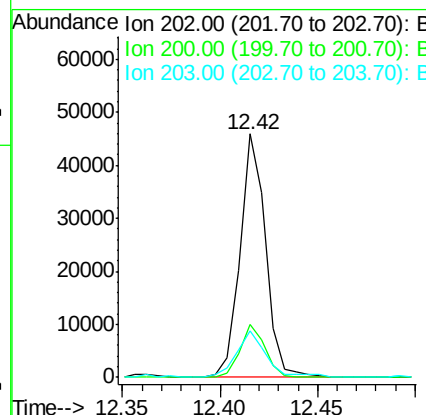
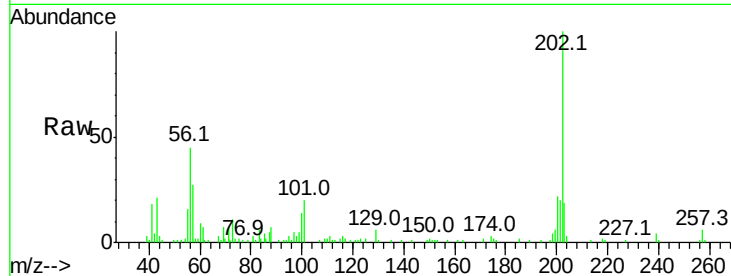




#77
Pvrene
Concen: 4.442 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

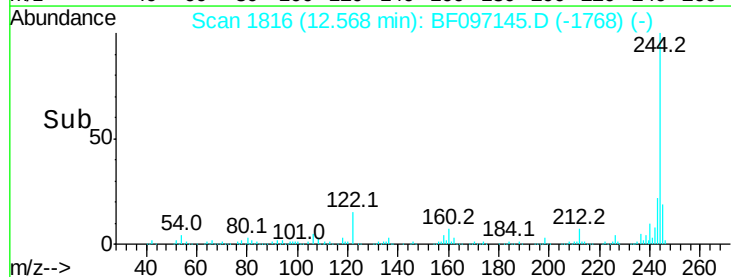
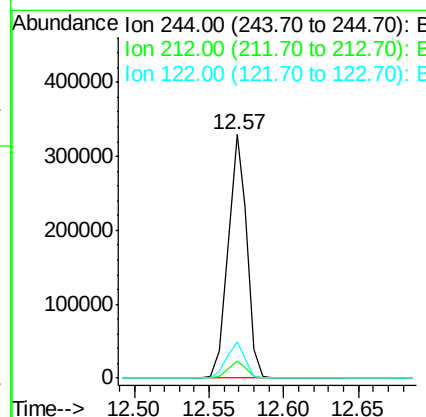
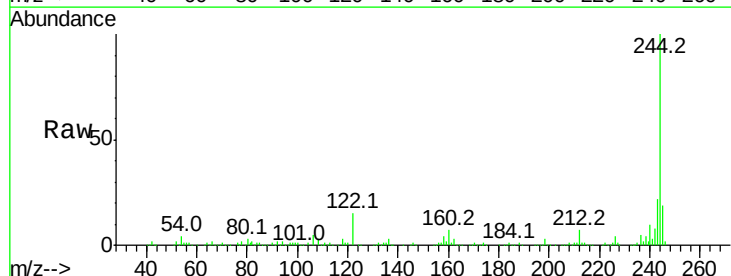
Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

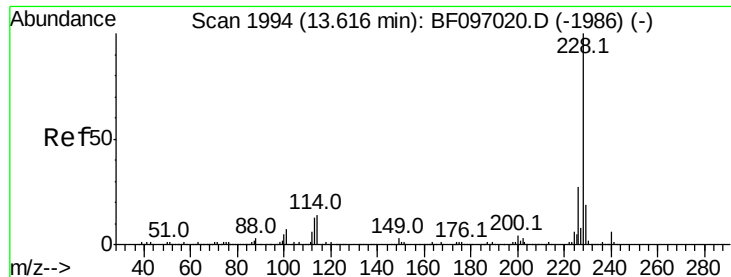
Tot Ion:202 Resp: 41623
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 19.3 14.4 21.6



#78
Terphenyl-d14
Concen: 52.043 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion:244 Resp: 292153
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 14.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.555 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-DRE

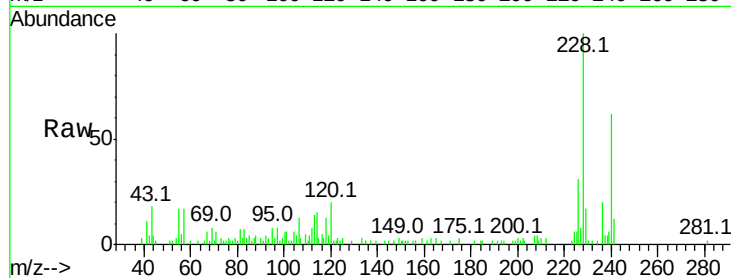
Tot Ion:228 Resp: 18920

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

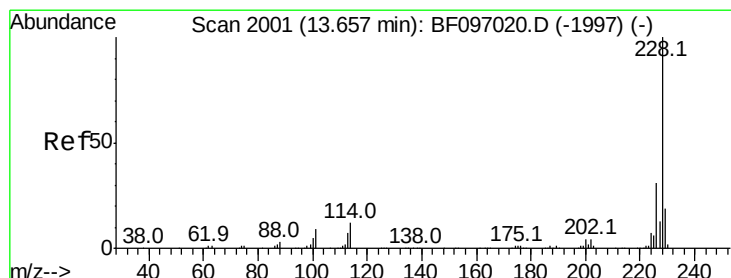
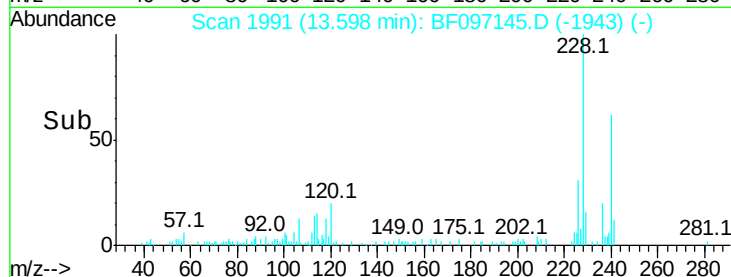
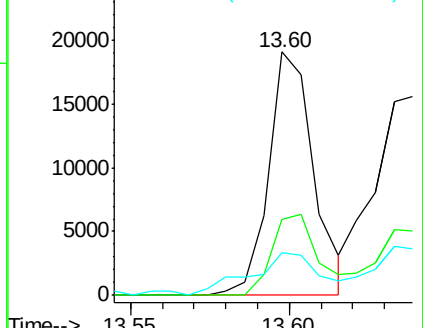
229 17.5 16.3 24.5



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: 2.636 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

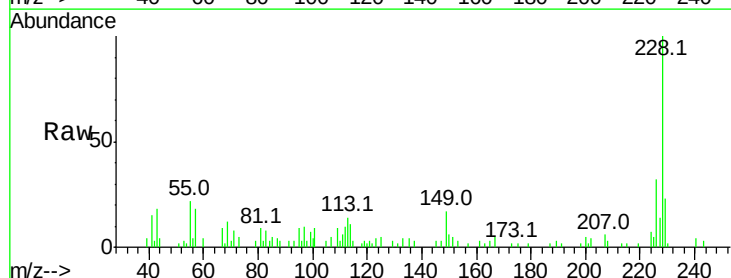
Tgt Ion:228 Resp: 19063

Ion Ratio Lower Upper

228 100

226 32.1 24.9 37.3

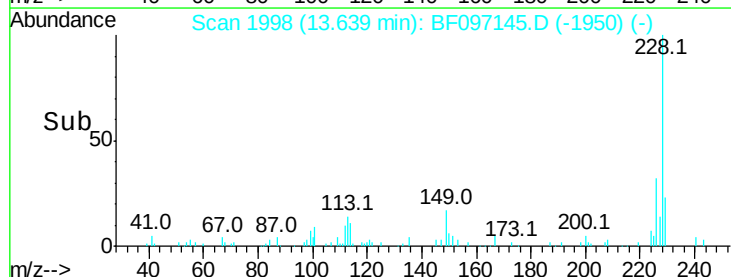
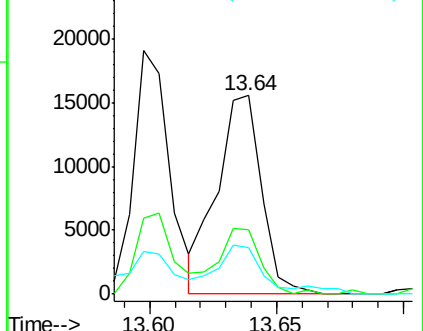
229 23.2 15.8 23.6

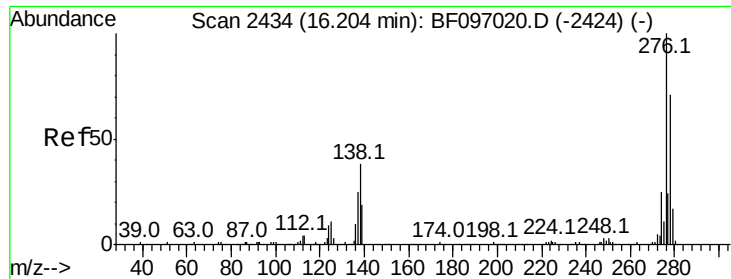


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

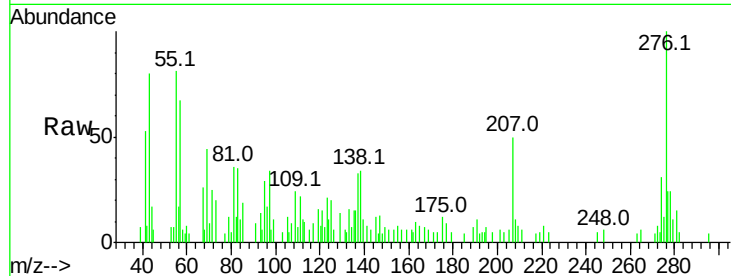




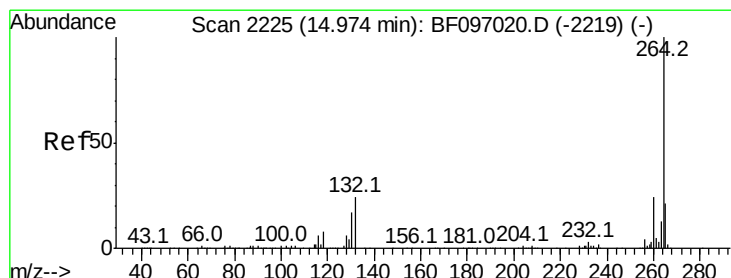
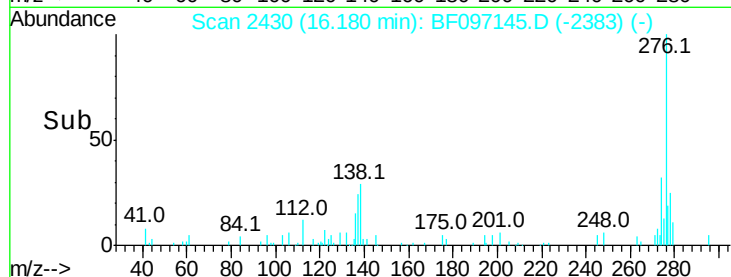
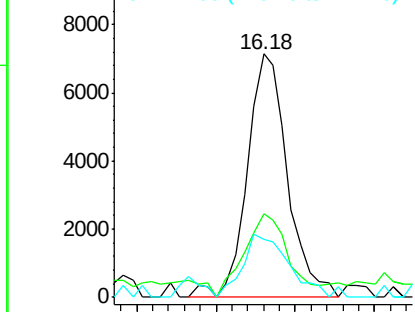
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.029 ng
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

Tot Ion:276 Resp: 12583
 Ion Ratio Lower Upper
 276 100
 138 37.6 27.8 41.6
 277 30.2 20.2 30.4

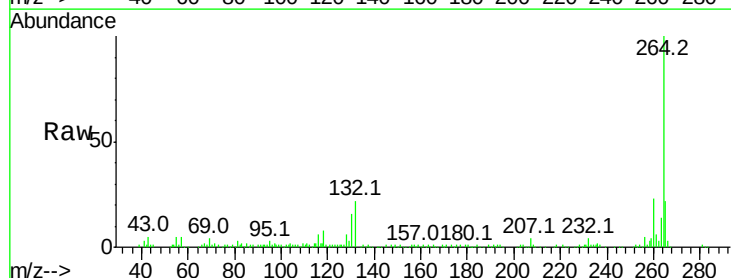


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

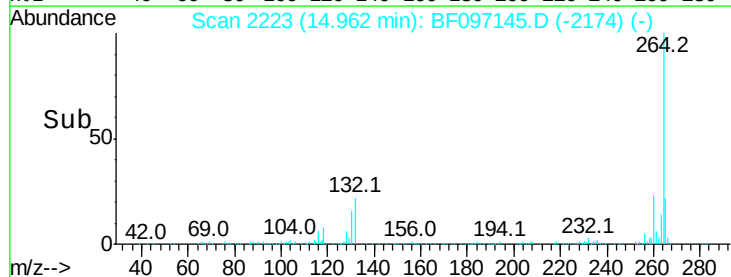
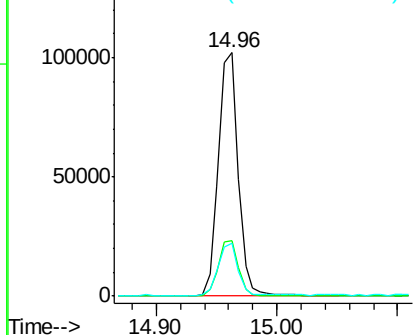


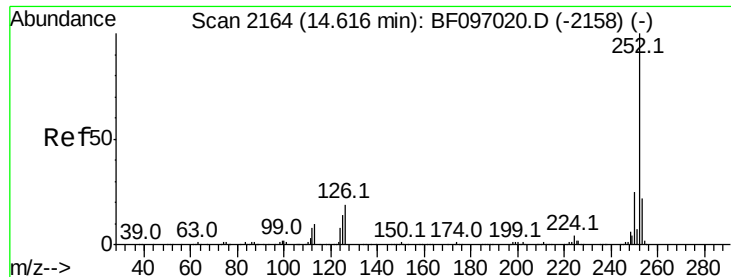
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Tgt Ion:264 Resp: 115704
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.7 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

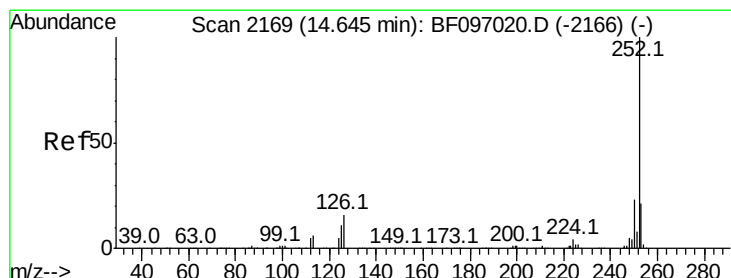
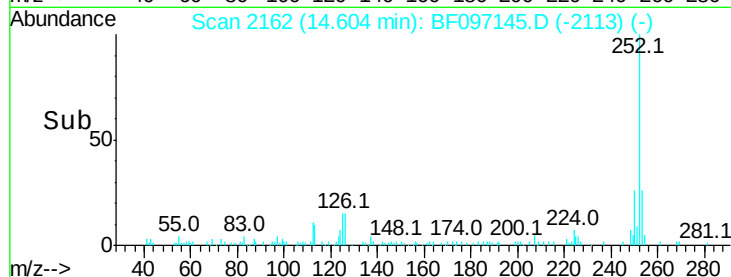
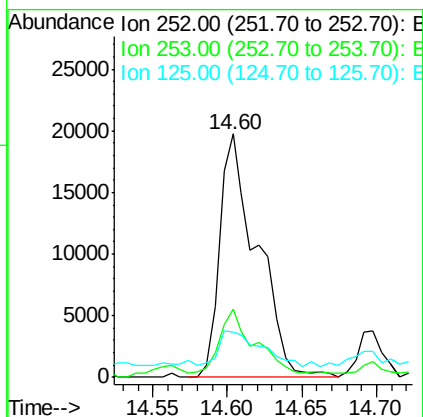
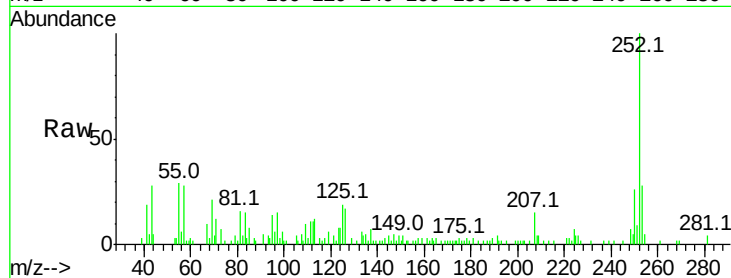




#87
Benzo(b)fluoranthene
Concen: 4.948 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

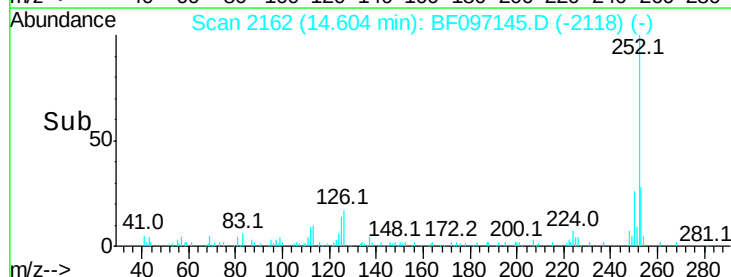
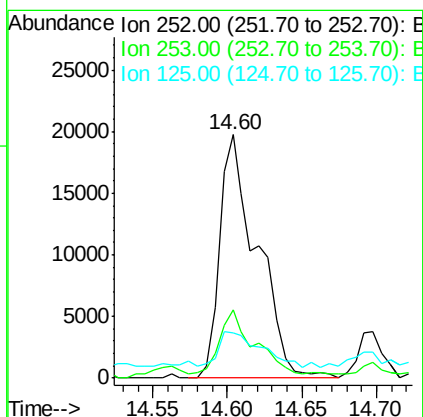
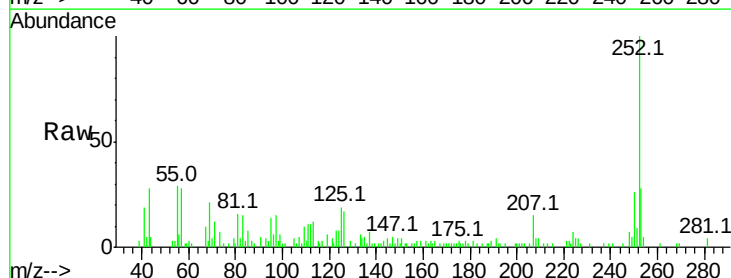
Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

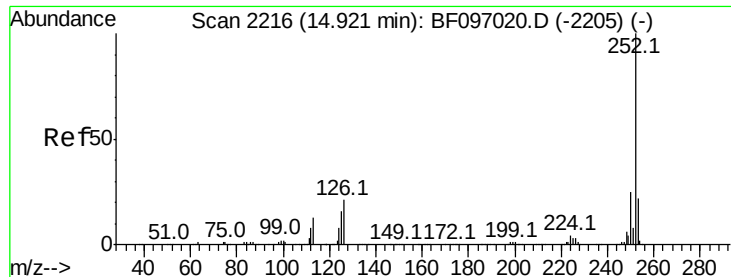
Tot Ion:252 Resp: 34414
Ion Ratio Lower Upper
252 100
253 27.9 18.1 27.1#
125 18.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.192 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion:252 Resp: 34414
Ion Ratio Lower Upper
252 100
253 27.9 18.4 27.6#
125 18.8 13.1 19.7





#89

Benzo(a)pyrene

Concen: 2.937 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-DRE

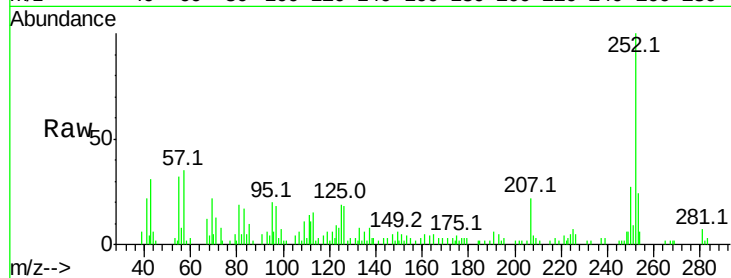
Tot Ion:252 Resp: 18693

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

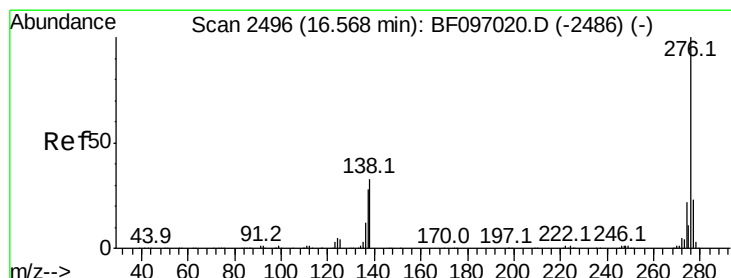
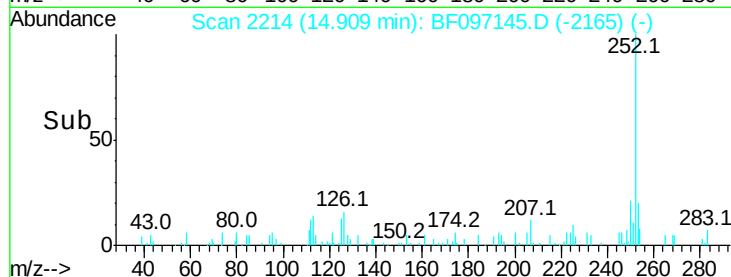
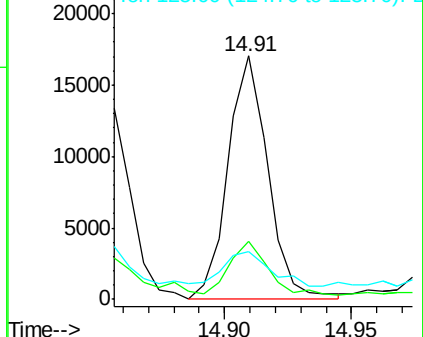
125 19.4 11.0 16.4#



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: 2.258 ng

RT: 16.55 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

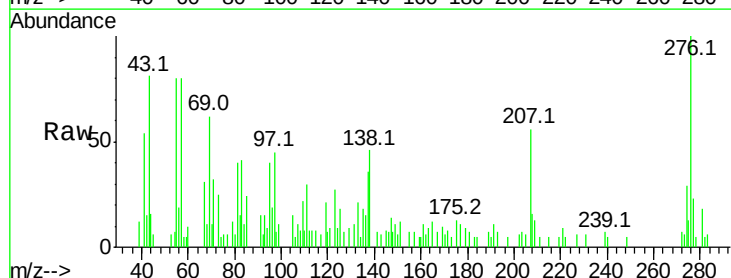
Tgt Ion:276 Resp: 12362

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 46.1 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

