

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097147.D
 Acq On : 28 Jul 2017 11:52
 Operator : SJ/JU
 Sample : I4397-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1A-14.5-15.0-072117

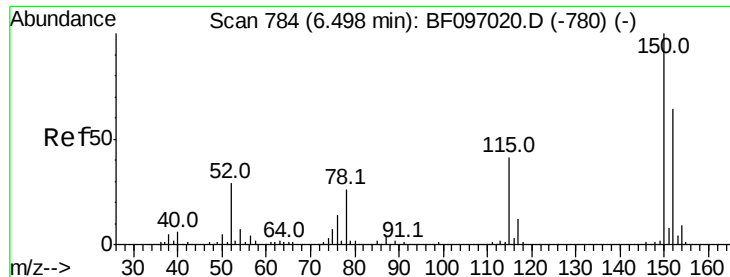
Quant Time: Jul 28 13:21:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	110724	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	465512	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	195706	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	302626	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	197322	20.00	ng	-0.02
86) Perylene-d12	14.96	264	176650	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	754707	102.75	ng	0.00
7) Phenol-d6	6.15	99	944444	112.63	ng	-0.02
23) Nitrobenzene-d5	7.06	82	543208	68.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	164736	106.54	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	855463	74.18	ng	-0.02
78) Terphenyl-d14	12.57	244	549992	56.83	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.16	94	38405	3.861	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	73231	13.268	ng	# 89
25) Isophorone	7.06	82	537002	34.556	ng	# 67
49) Dimethylphthalate	9.25	163	205587	13.833	ng	98
56) 2,4-Dinitrotoluene	9.52	165	24480	6.756	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	10625	3.518	ng	# 1
70) Phenanthrene	11.01	178	124299	7.666	ng	97
74) Fluoranthene	12.19	202	184651	11.624	ng	98
77) Pyrene	12.42	202	144097	8.920	ng	99
80) Benzo(a)anthracene	13.60	228	64765	5.073	ng	98
82) Chrysene	13.63	228	58019	4.654	ng	97
87) Benzo(b)fluoranthene	14.60	252	95973	9.038	ng	# 97
88) Benzo(k)fluoranthene	14.60	252	95973	9.485	ng	99
89) Benzo(a)pyrene	14.91	252	48317	4.972	ng	95
91) Benzo(a,h,i)perylene	16.54	276	25124	3.006	ng	# 87

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

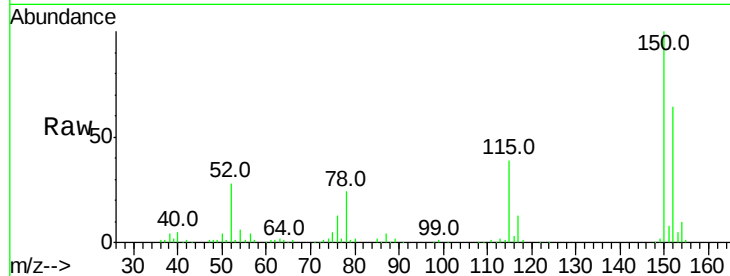


#1

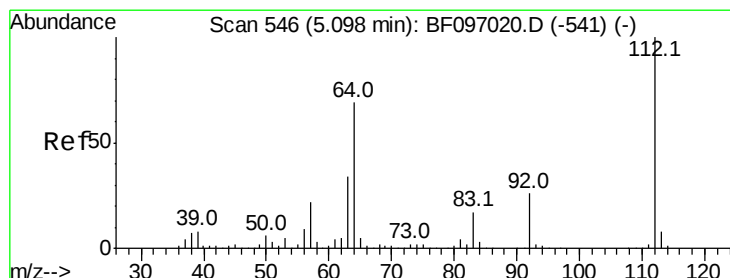
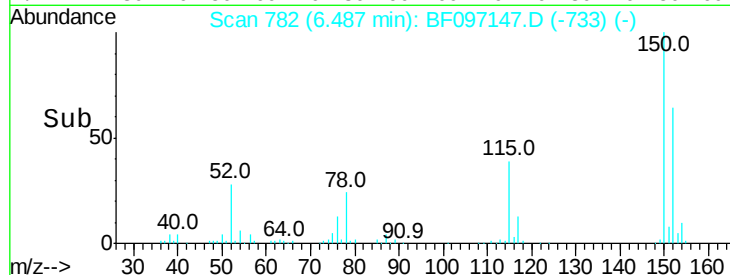
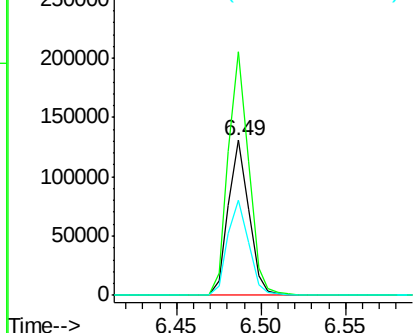
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:152 Resp: 110724
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.2 189.2
 115 61.2 52.2 78.2



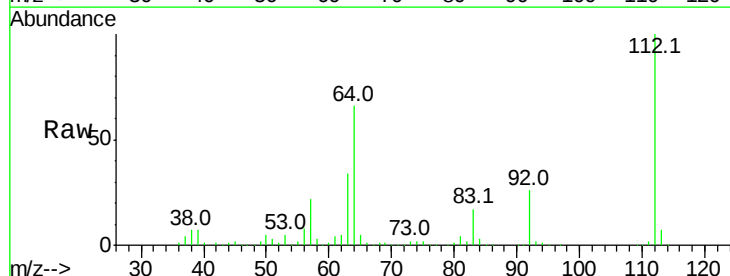
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



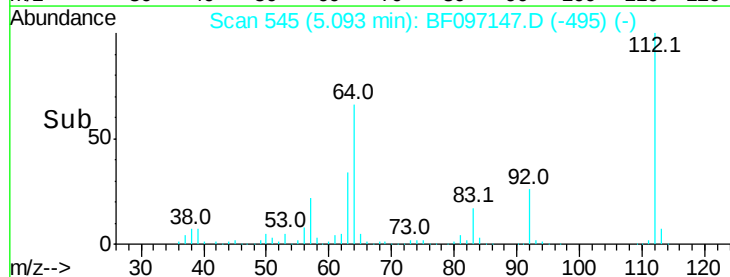
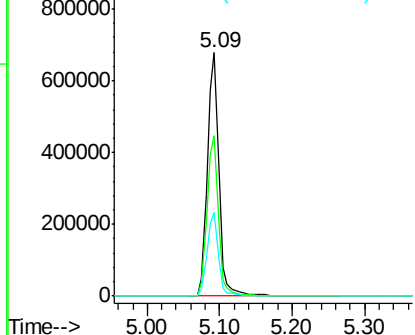
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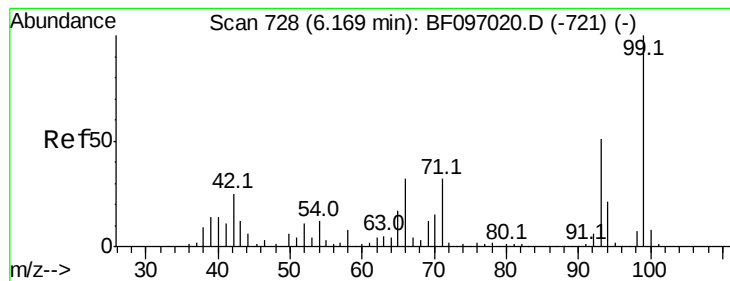
2-Fluorophenol
 Concen: 102.752 ng
 RT: 5.09 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Tgt Ion:112 Resp: 754707
 Ion Ratio Lower Upper
 112 100
 64 65.8 46.0 69.0
 63 34.1 23.4 35.0



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





#7

Phenol-d6

Concen: 112.633 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

T-1A-14.5-15.0-072117

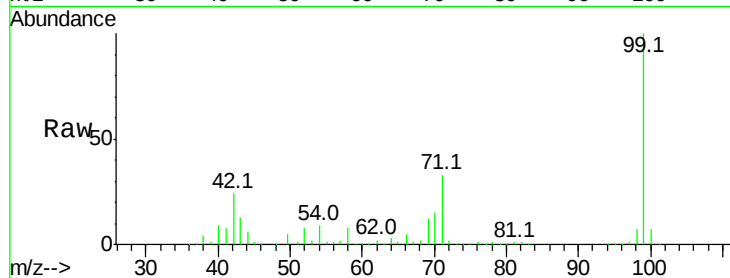
Tot Ion: 99 Resp: 944444

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

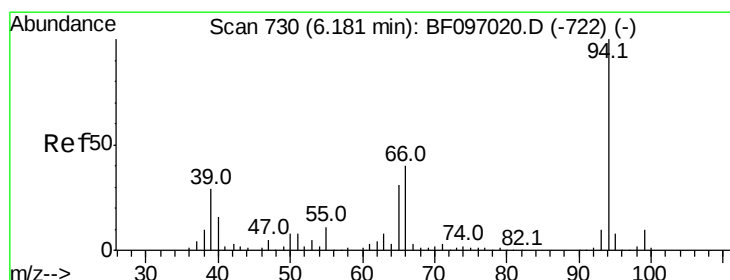
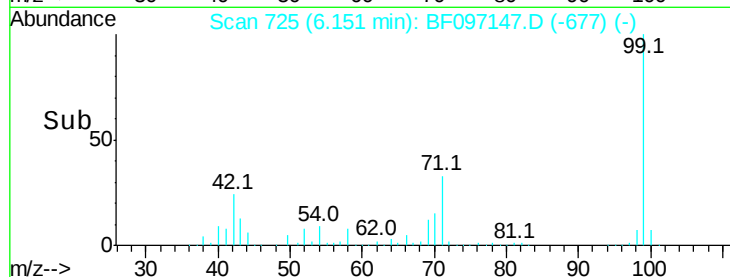
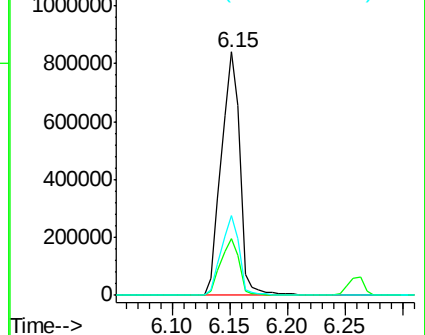
71 32.6 24.5 36.7



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



#10

Phenol

Concen: 3.861 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

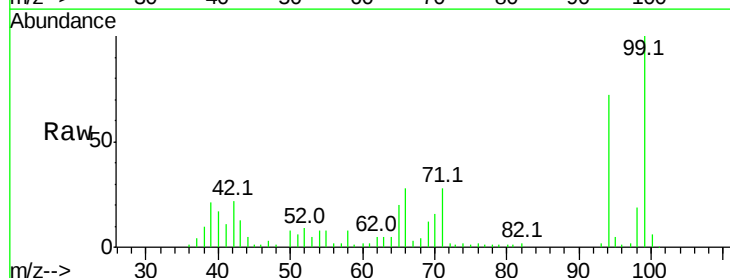
Tgt Ion: 94 Resp: 38405

Ion Ratio Lower Upper

94 100

65 28.0 9.9 49.9

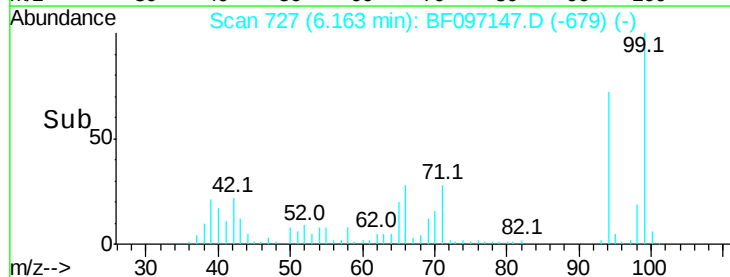
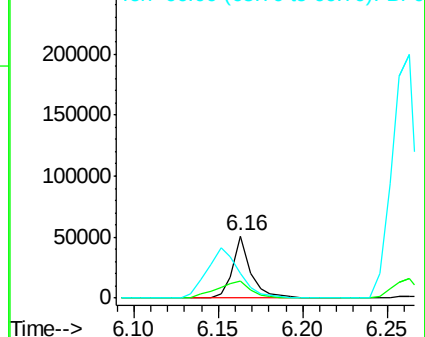
66 39.4 23.1 63.1

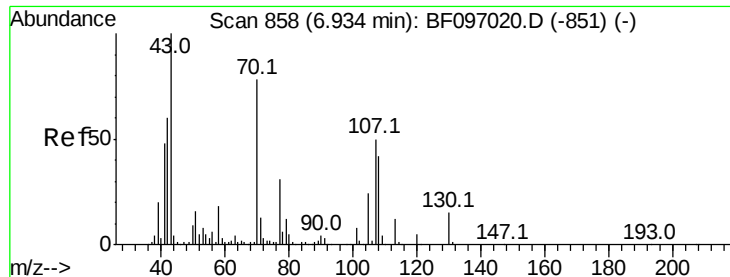


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

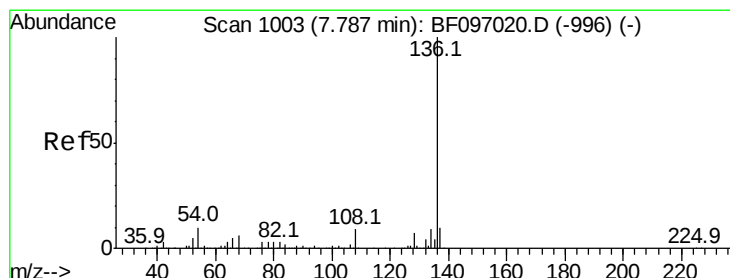
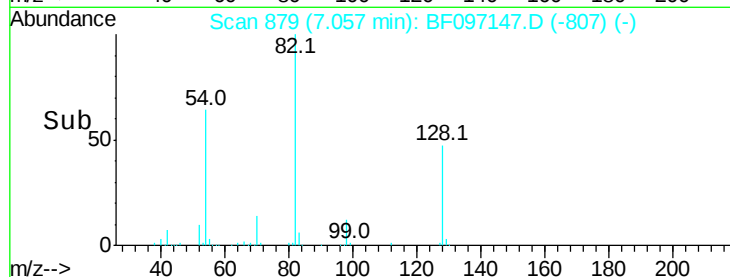
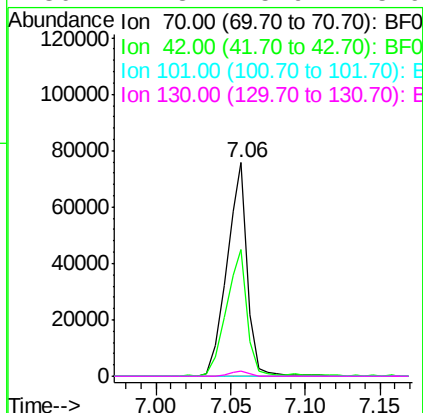
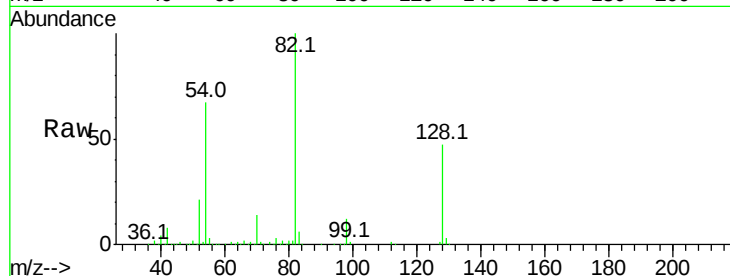




#19
n-Nitroso-di-n-propylamine
Concen: 13.268 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

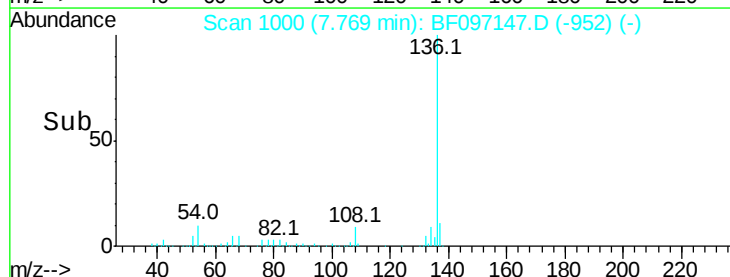
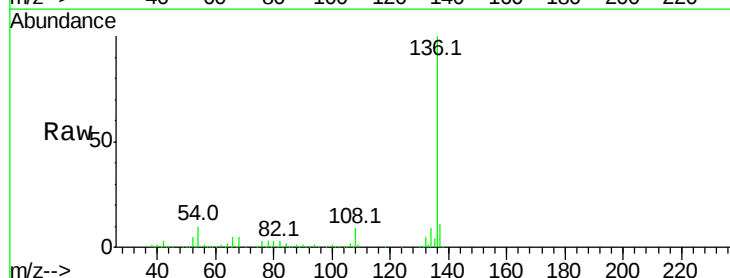
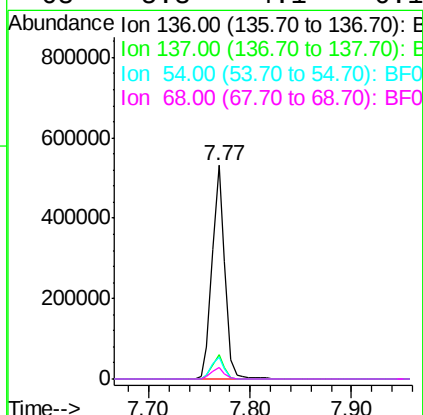
Instrument :
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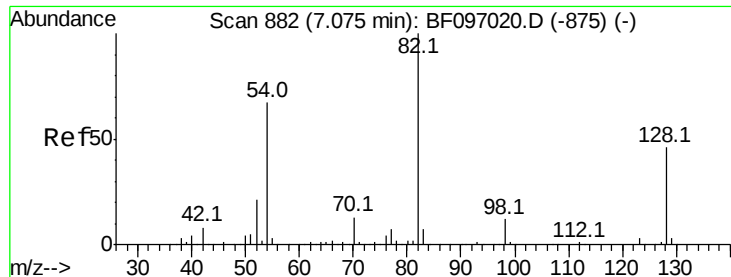
Tot Ion: 70 Resp: 73231
Ion Ratio Lower Upper
70 100
42 59.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:136 Resp: 465512
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 10.4 4.9 7.3#
68 5.3 4.1 6.1

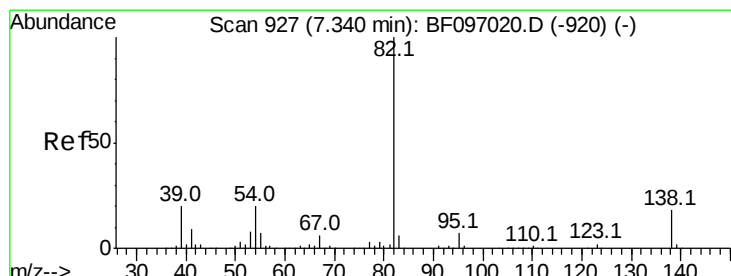
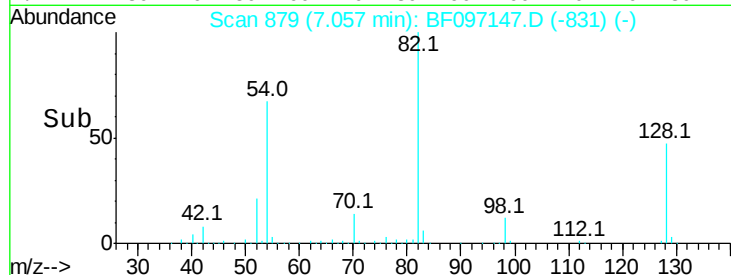
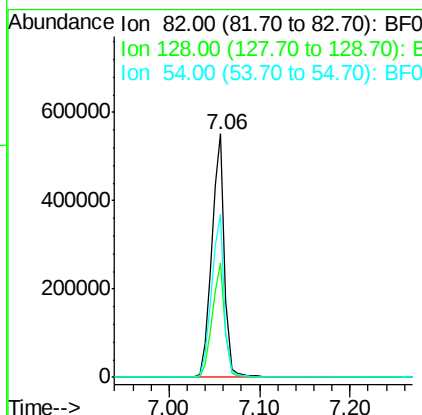
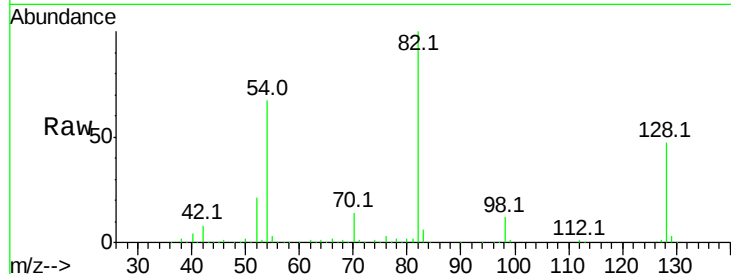




#23
 Nitrobenzene-d5
 Concen: 68.455 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

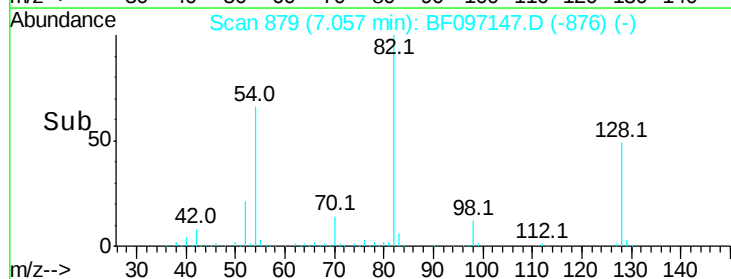
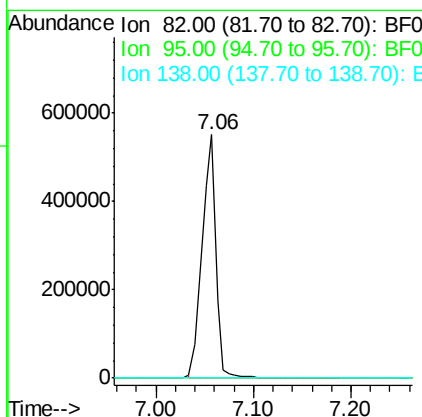
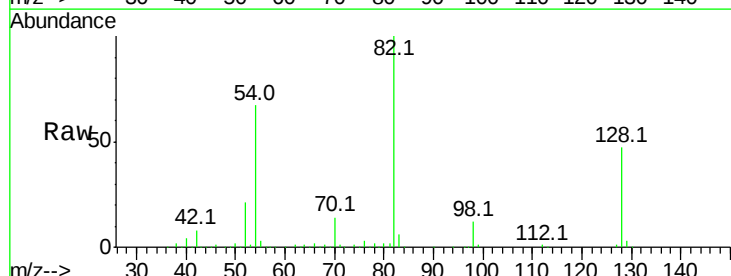
Instrument :
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 T-1A-14.5-15.0-072117

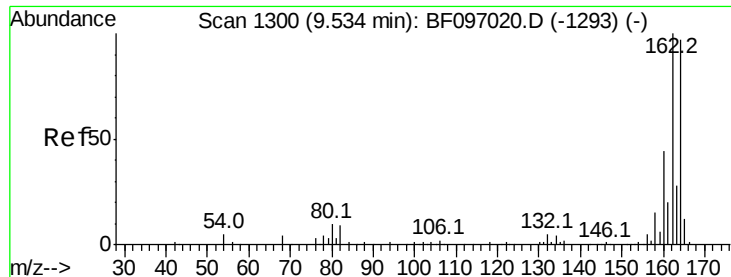
Tot Ion: 82 Resp: 543208
 Ion Ratio Lower Upper
 82 100
 128 47.2 34.0 51.0
 54 66.9 42.2 63.2#



#25
 Isophorone
 Concen: 34.556 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Tgt Ion: 82 Resp: 537002
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

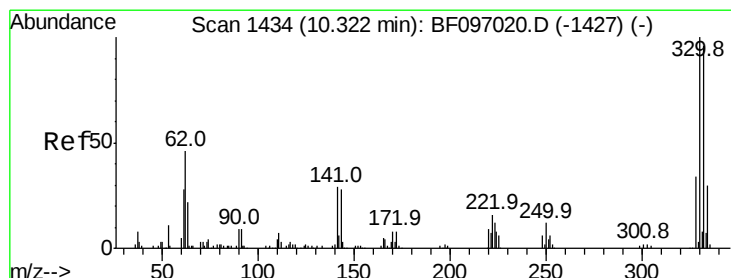
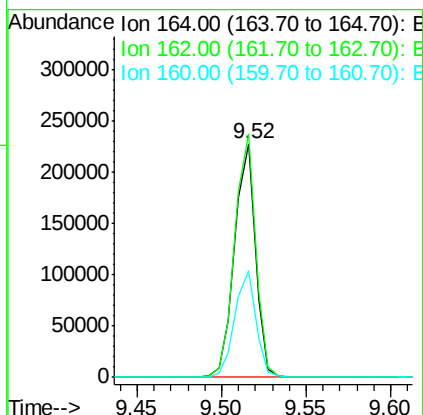
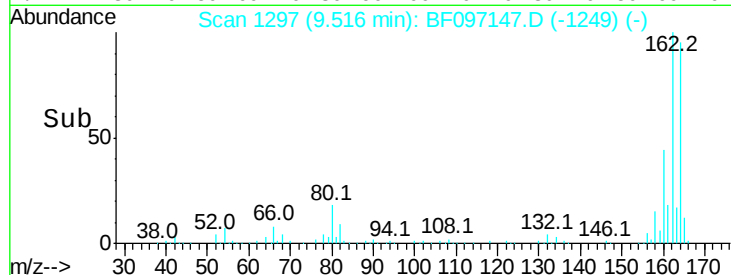
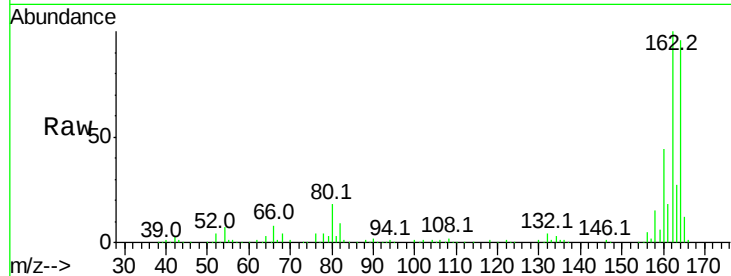




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

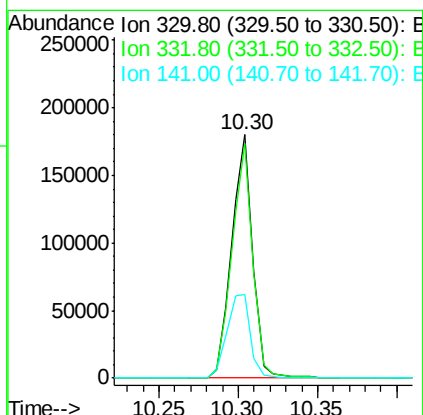
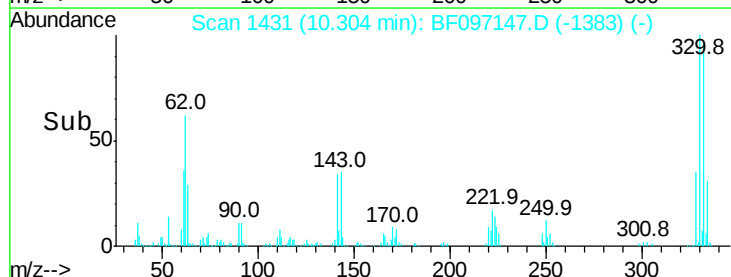
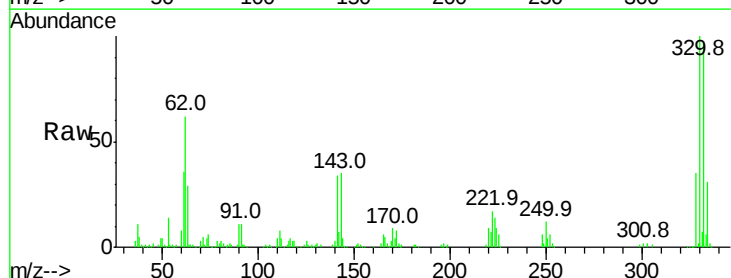
Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

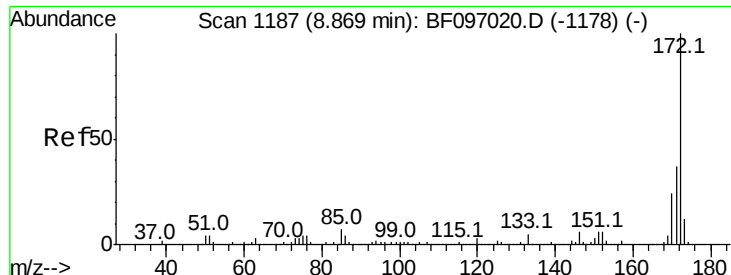
Tot Ion:164 Resp: 195706
Ion Ratio Lower Upper
164 100
162 104.2 82.6 123.8
160 45.6 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 106.538 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:330 Resp: 164736
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 38.5 31.4 47.2

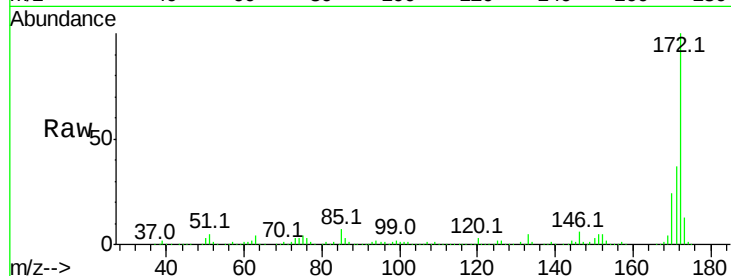




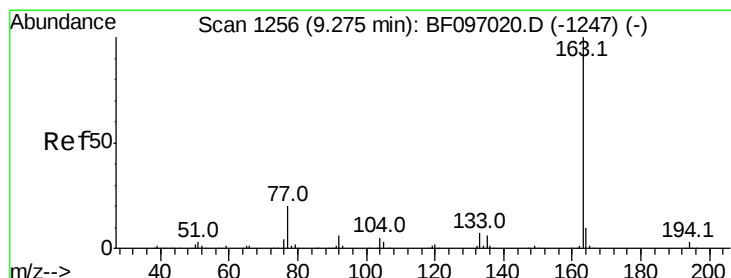
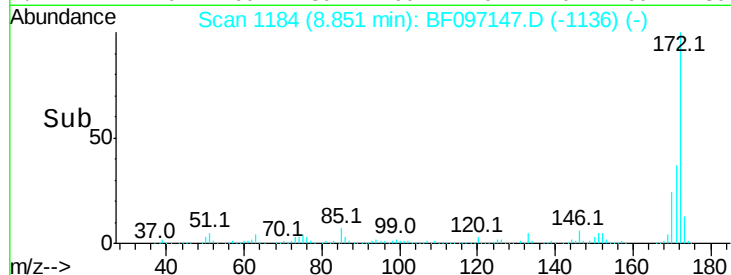
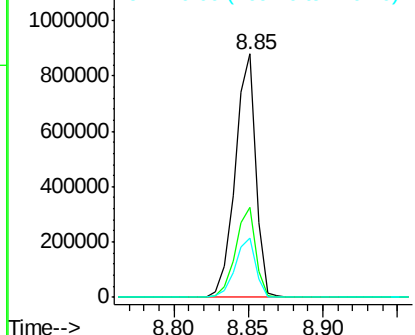
#44
2-Fluorobiphenyl
Concen: 74.183 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.5	19.8	29.8

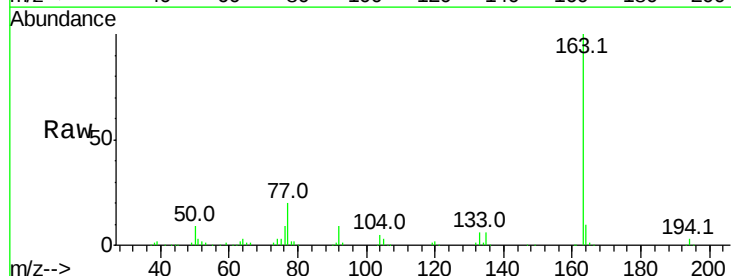


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

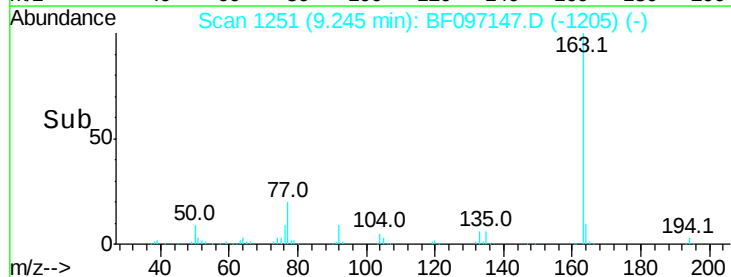
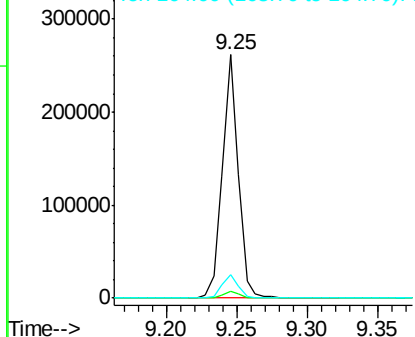


#49
Dimethylphthalate
Concen: 13.833 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.5	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

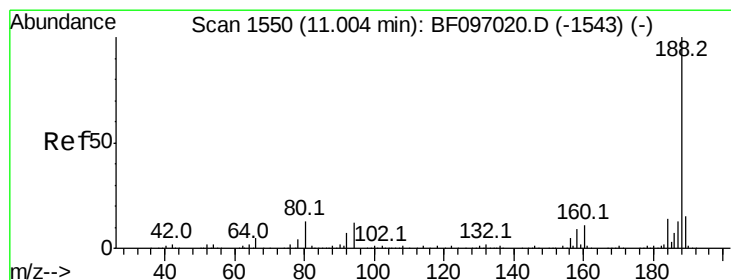
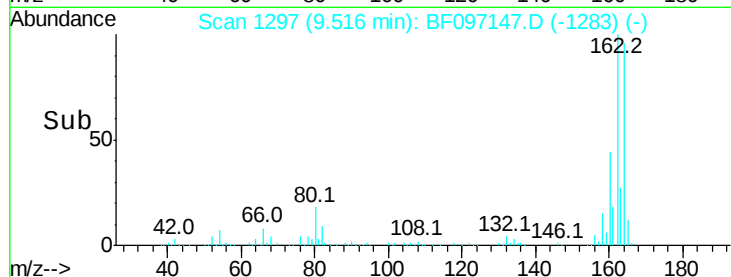
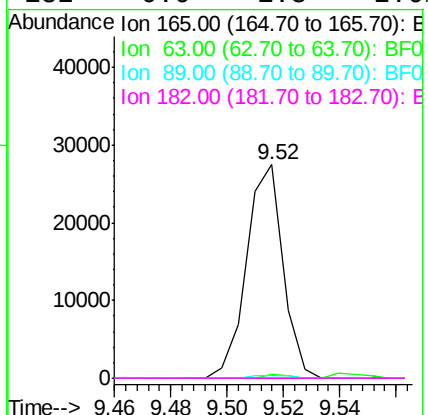
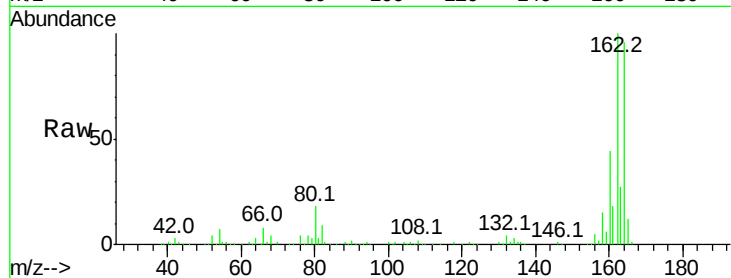




#56
 2,4-Dinitrotoluene
 Concen: 6.756 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

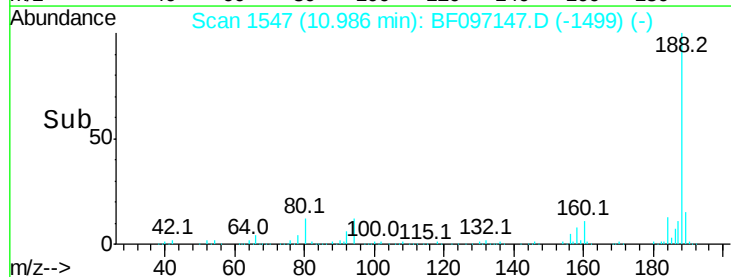
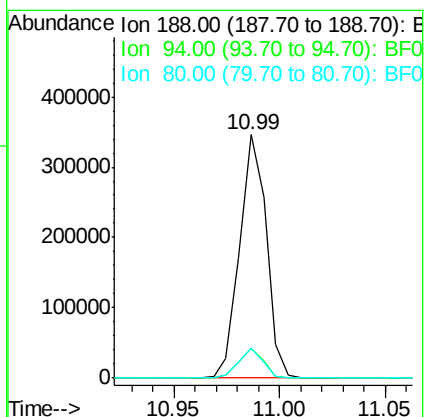
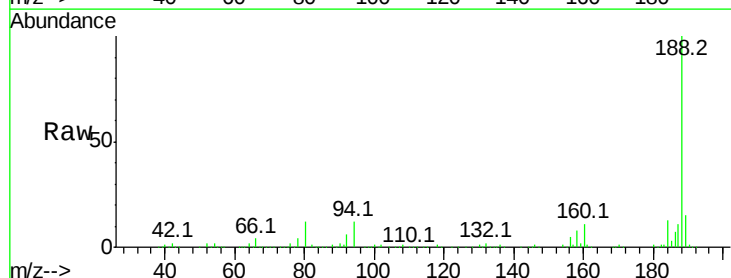
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 T-1A-14.5-15.0-072117

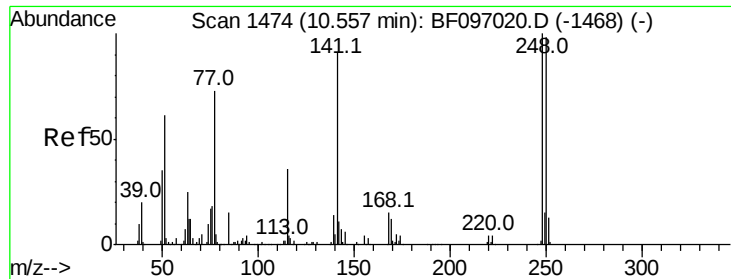
Tot Ion:165 Resp: 24480
 Ion Ratio Lower Upper
 165 100
 63 2.0 25.4 38.0#
 89 1.1 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097147.D
 Acq: 28 Jul 2017 11:52

Tgt Ion:188 Resp: 302626
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 12.2 10.2 15.2

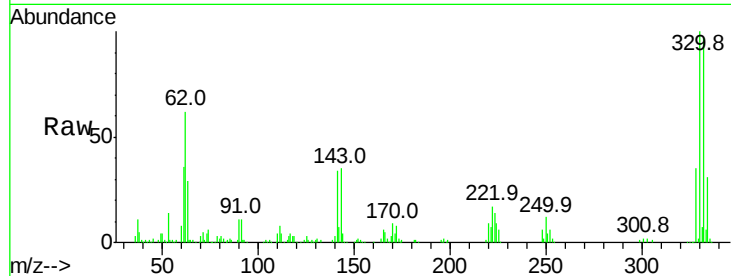




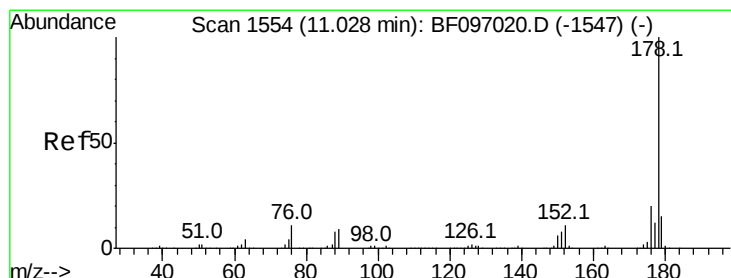
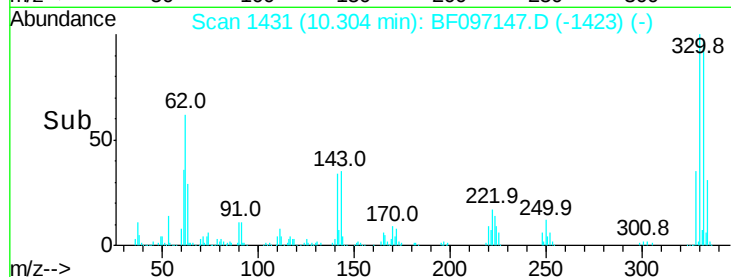
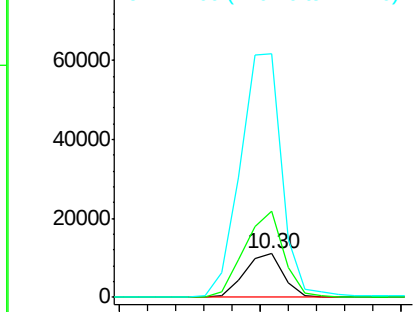
#66
4-Bromophenyl-phenylether
Concen: 3.518 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion:248 Resp: 10625
Ion Ratio Lower Upper
248 100
250 196.9 76.8 115.2#
141 559.1 68.6 103.0#

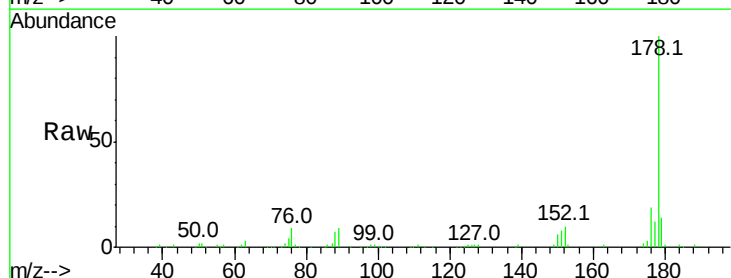


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

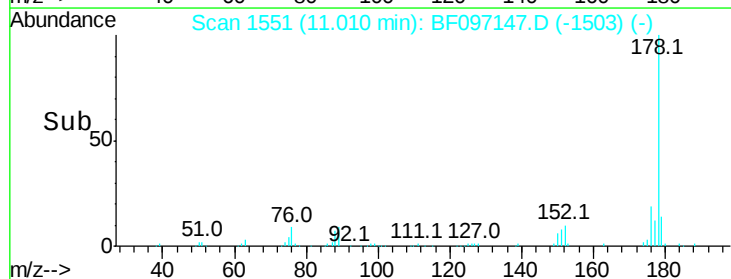
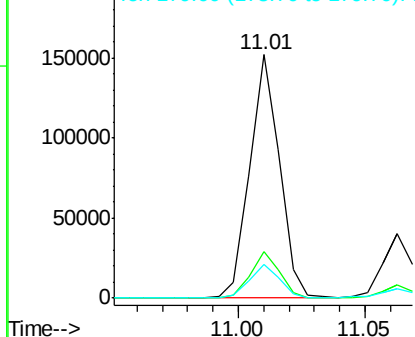


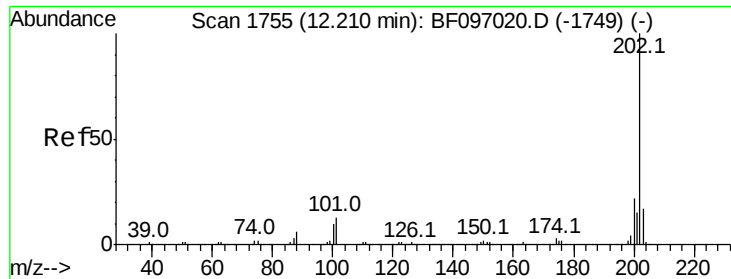
#70
Phenanthrene
Concen: 7.666 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:178 Resp: 124299
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 14.0 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





#74

Fluoranthene

Concen: 11.624 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

T-1A-14.5-15.0-072117

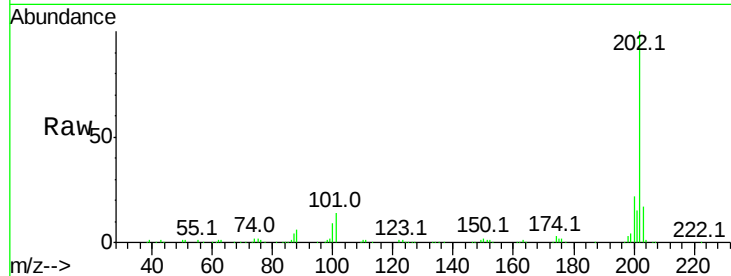
Tot Ion:202 Resp: 184651

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

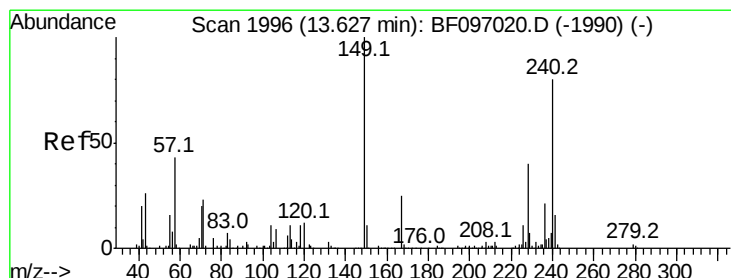
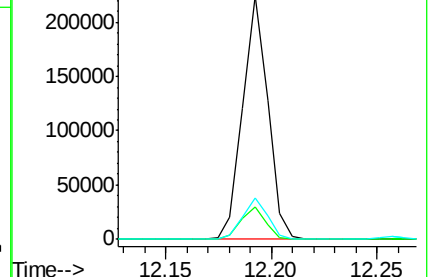
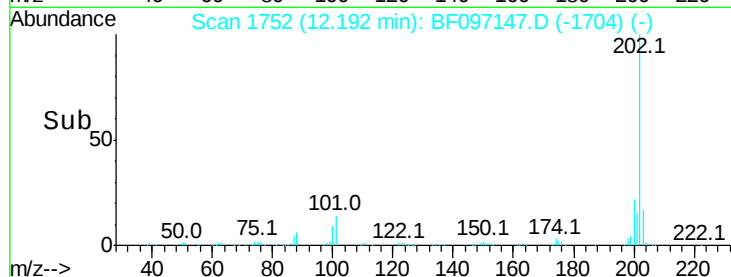
203 16.9 0.0 38.1



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: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

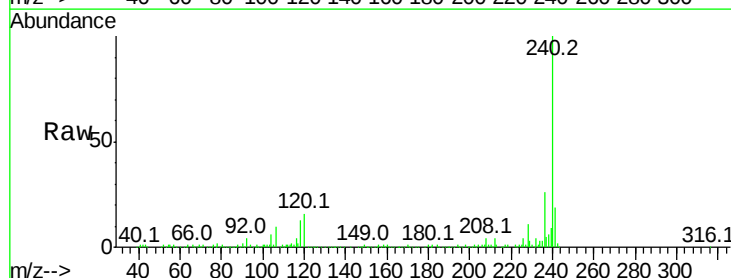
Tgt Ion:240 Resp: 197322

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

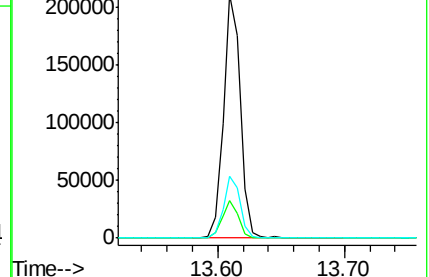
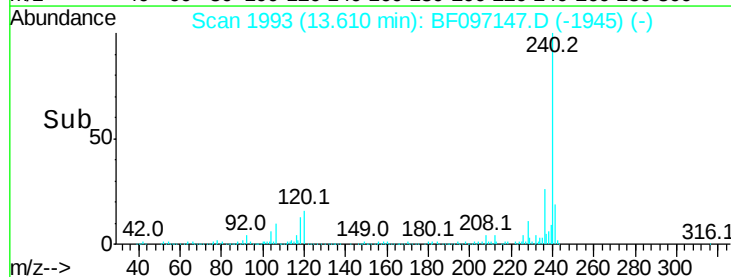
236 25.5 20.5 30.7

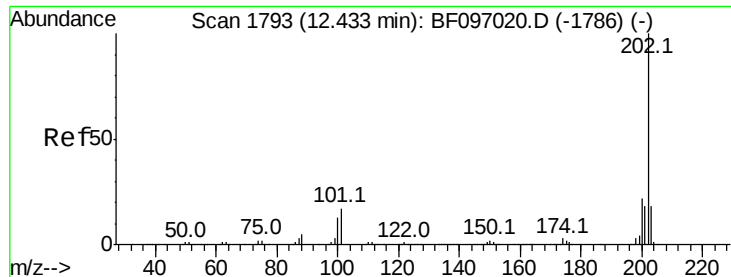


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.920 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

T-1A-14.5-15.0-072117

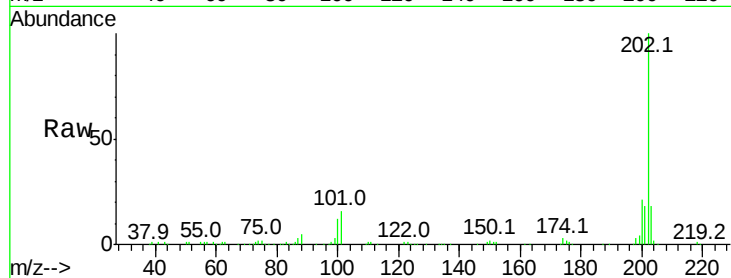
Tot Ion:202 Resp: 144097

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

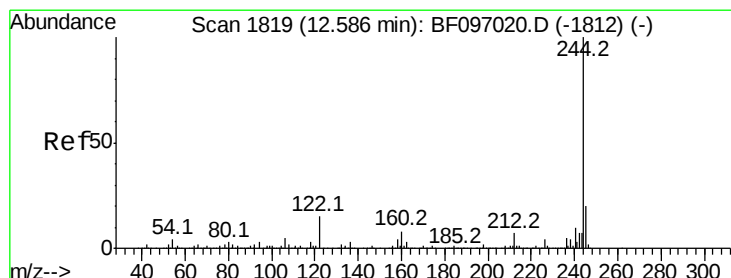
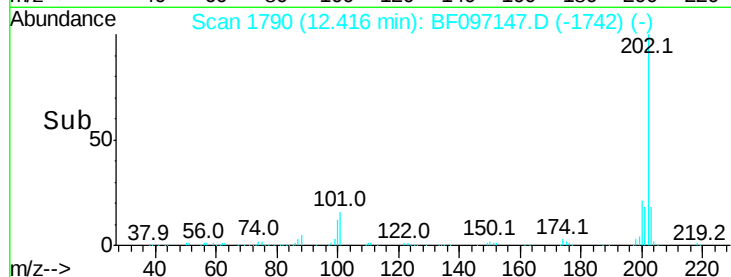
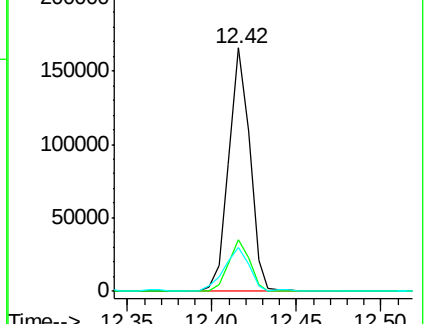
203 18.0 14.4 21.6



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: 56.829 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

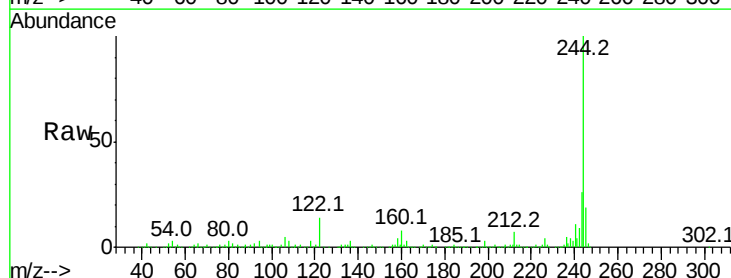
Tgt Ion:244 Resp: 549992

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

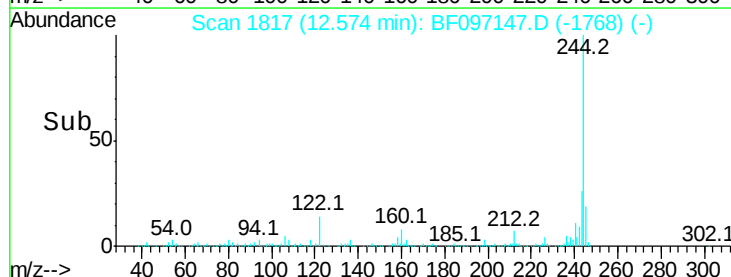
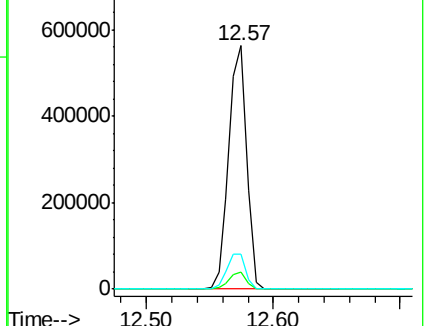
122 14.3 10.3 15.5

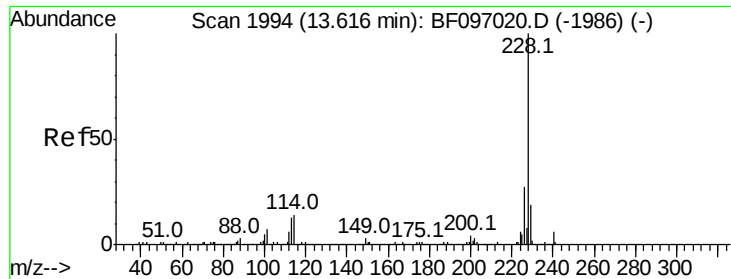


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

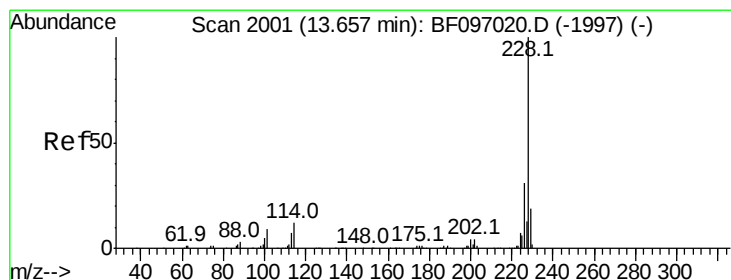
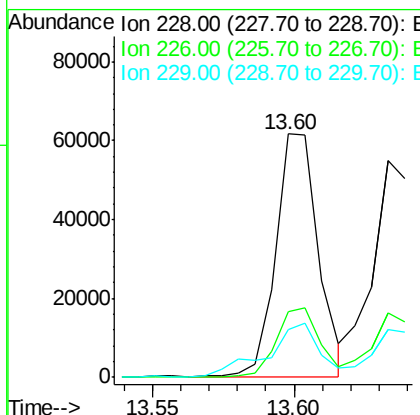
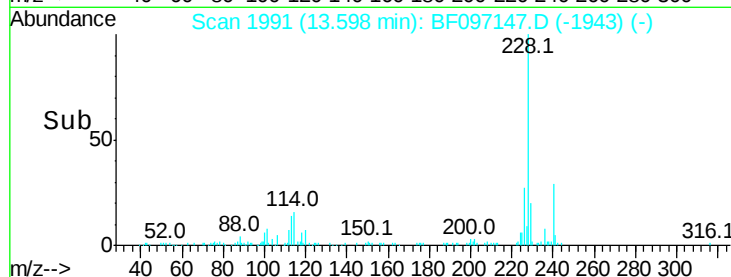
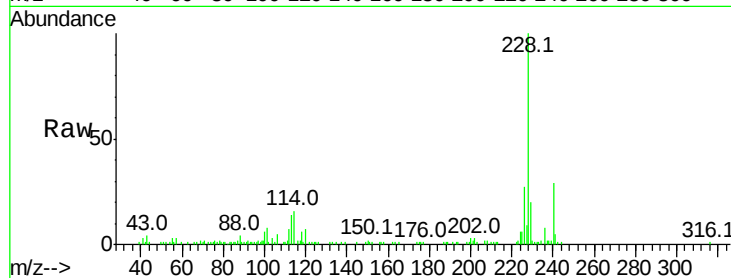




#80
Benzo(a)anthracene
Concen: 5.073 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

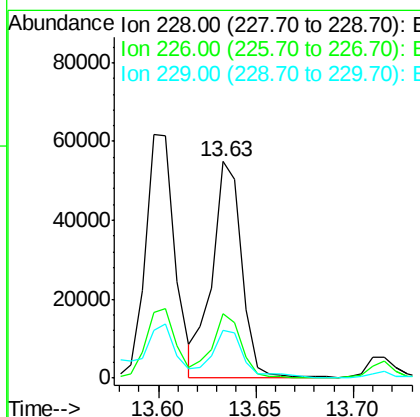
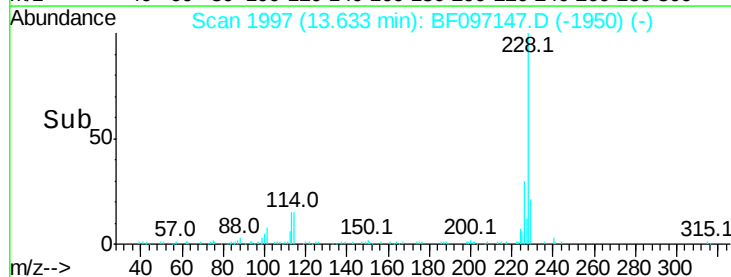
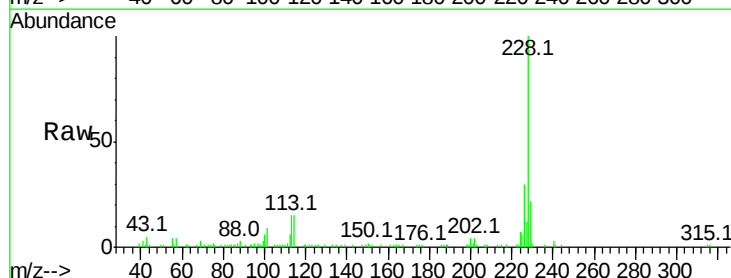
Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

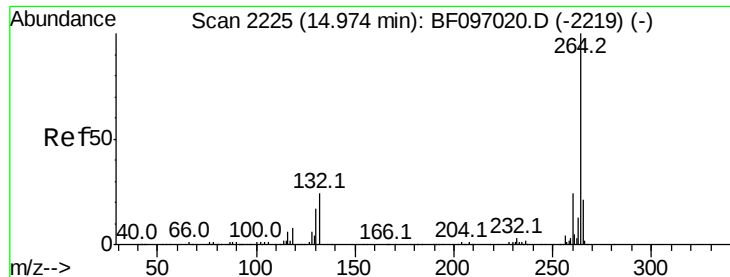
Tot Ion:228 Resp: 64765
Ion Ratio Lower Upper
228 100
226 26.7 22.6 33.8
229 19.7 16.3 24.5



#82
Chrysene
Concen: 4.654 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:228 Resp: 58019
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 21.9 15.8 23.6

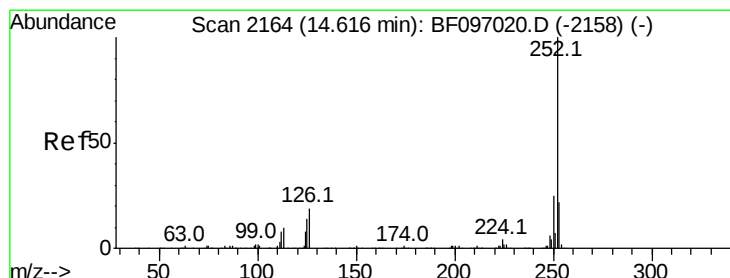
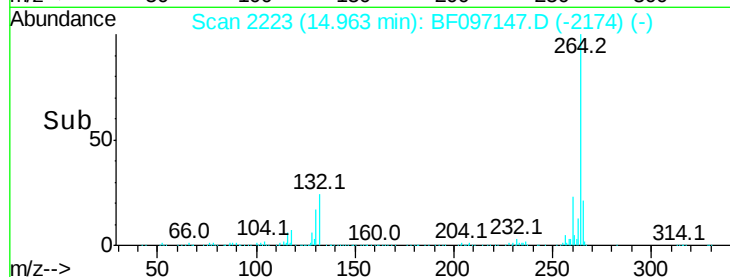
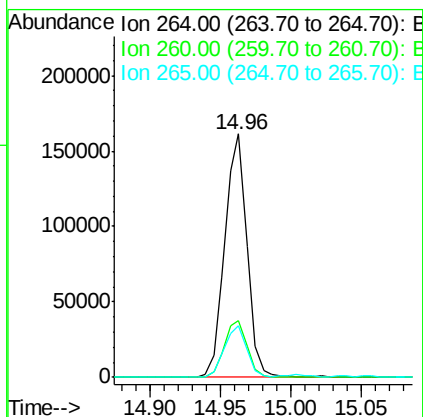
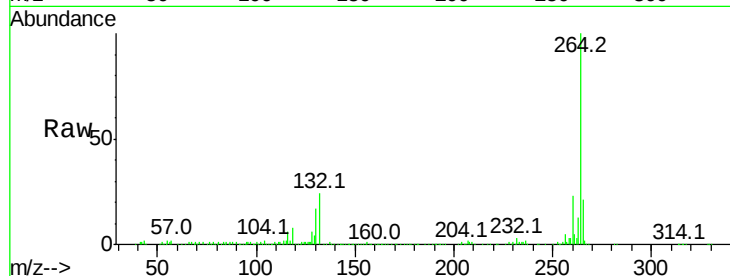




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

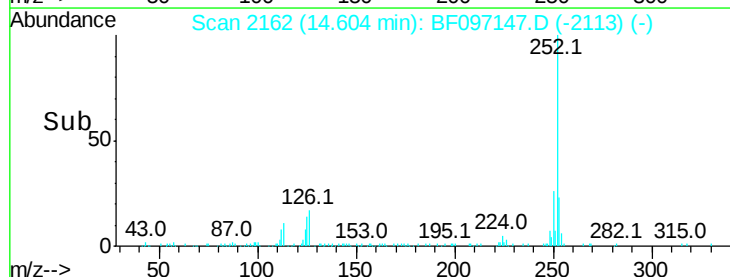
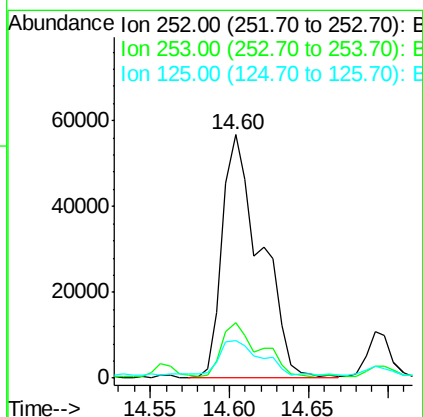
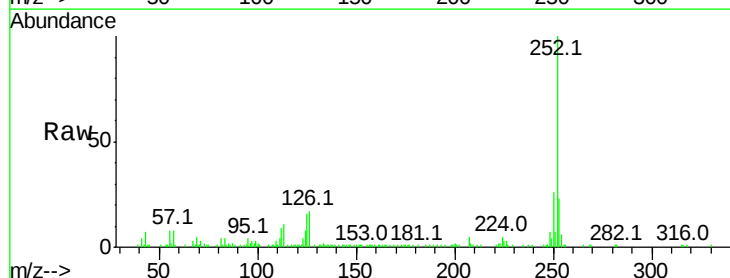
Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

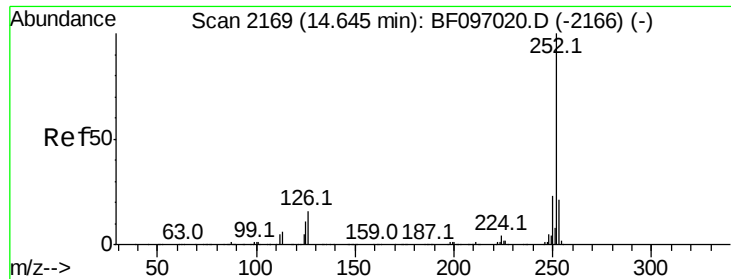
Tot Ion:264 Resp: 176650
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.038 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:252 Resp: 95973
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 15.6 9.8 14.8#

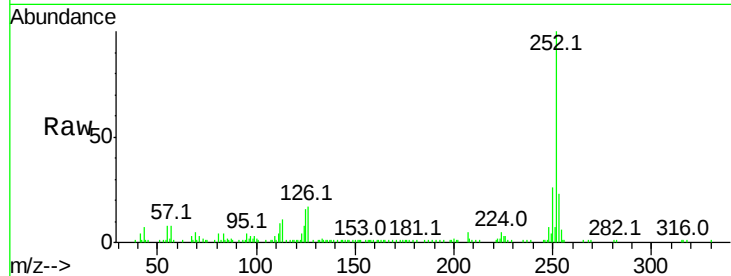




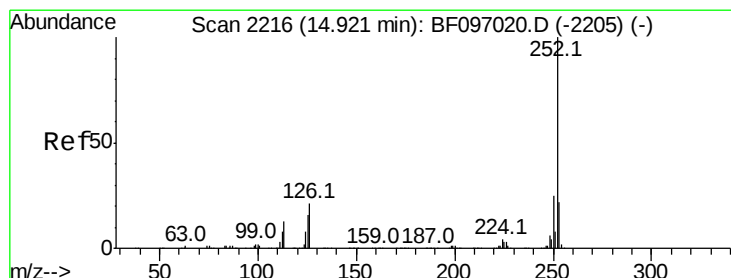
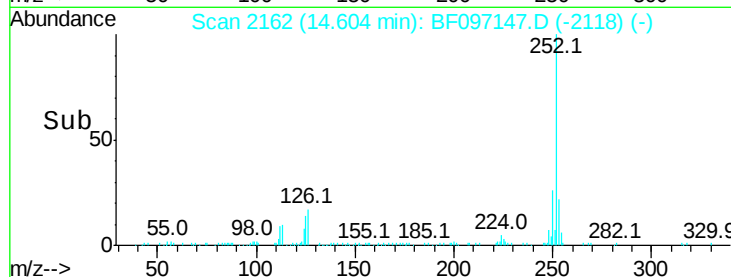
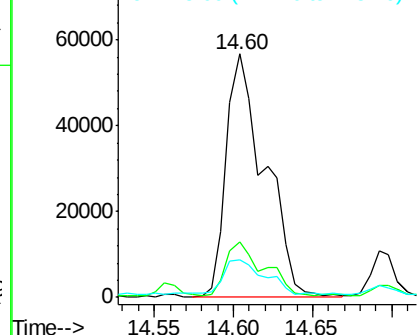
#88
Benzo(k)fluoranthene
Concen: 9.485 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Instrument :
BNA_F
ClientSampleId :
T-1A-14.5-15.0-072117

Tot Ion:252 Resp: 95973
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 15.6 13.1 19.7

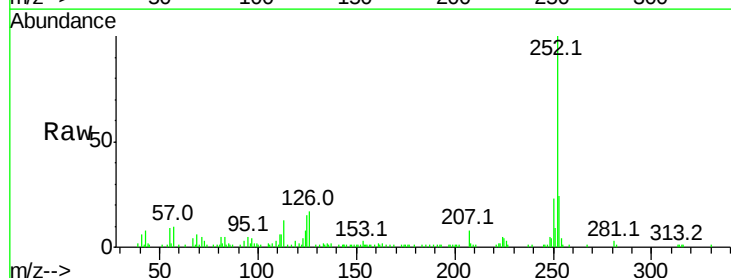


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

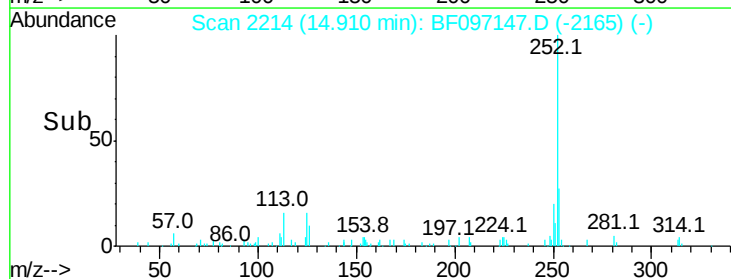
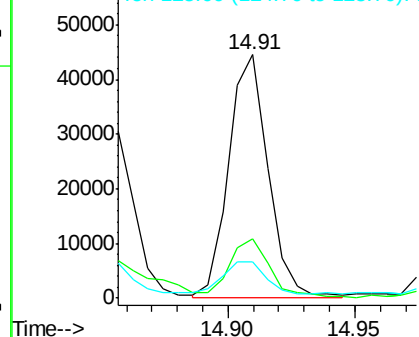


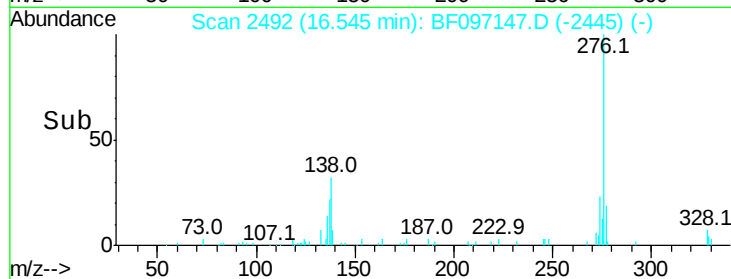
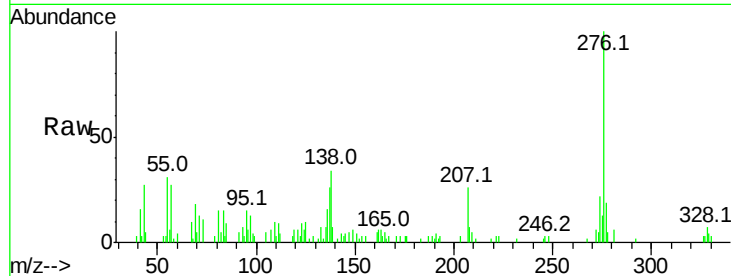
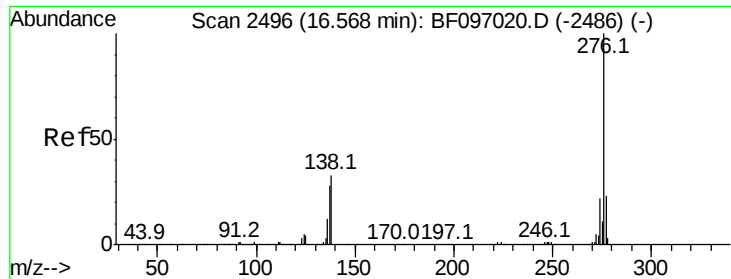
#89
Benzo(a)pyrene
Concen: 4.972 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097147.D
Acq: 28 Jul 2017 11:52

Tgt Ion:252 Resp: 48317
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 15.2 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: 3.006 ng

RT: 16.54 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF097147.D

Acq: 28 Jul 2017 11:52

Instrument :

BNA_F

ClientSampleId :

T-1A-14.5-15.0-072117

Tot Ion: 276 Resp: 25124

Ion Ratio Lower Upper

276 100

277 18.9 18.6 28.0

138 40.7 25.4 38.0#

