

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
 Data File : BF096933.D
 Acq On : 21 Jul 2017 5:28
 Operator : SJ/JU
 Sample : I4253-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 21 08:55:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

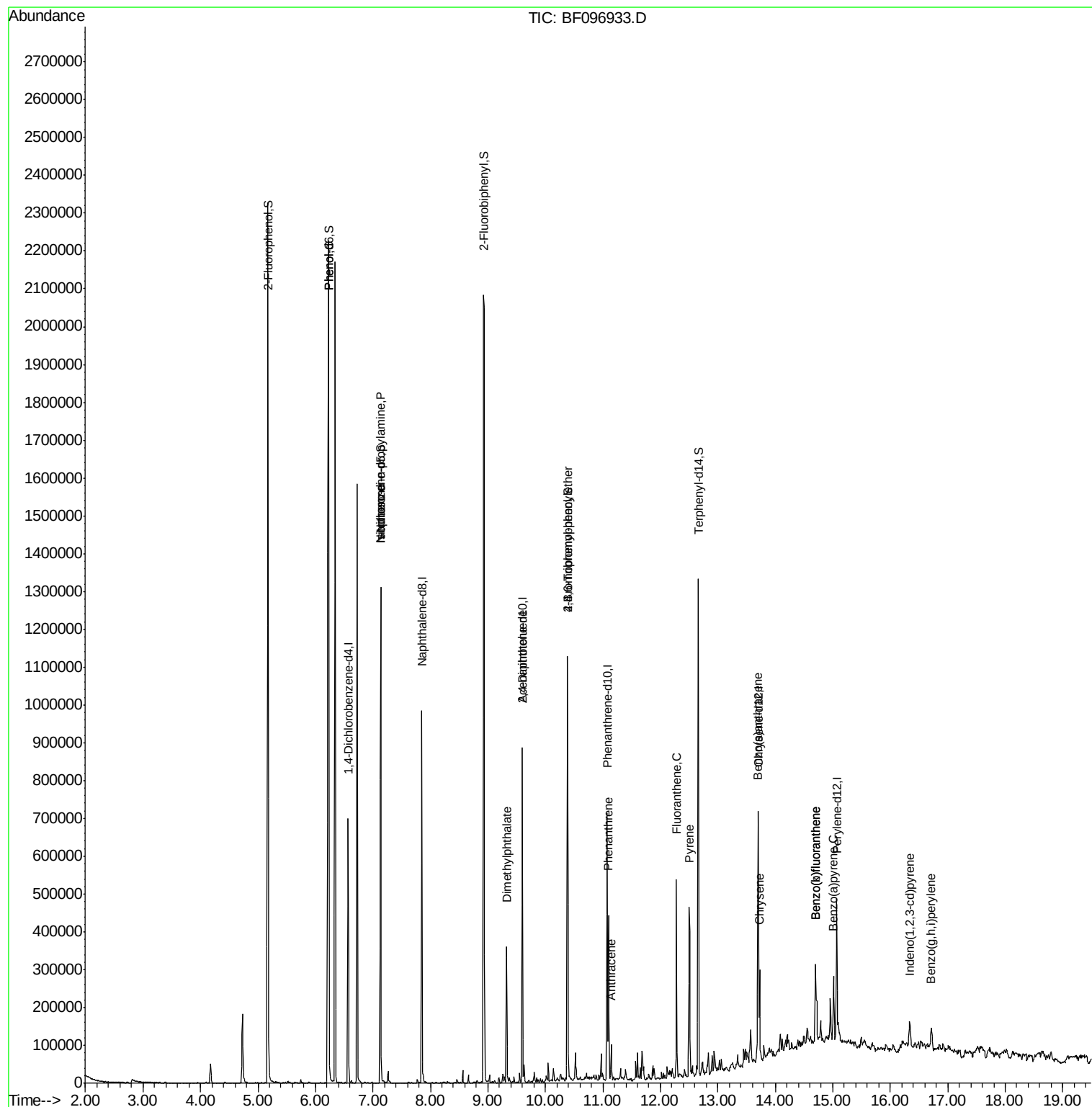
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	96392	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	401490	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	165511	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	234943	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	186311	20.00	ng	-0.03
86) Perylene-d12	15.07	264	154467	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	688954	107.47	ng	-0.02
7) Phenol-d6	6.23	99	835544	108.61	ng	-0.02
23) Nitrobenzene-d5	7.13	82	402266	62.06	ng	-0.04
41) 2,4,6-Tribromophenol	10.39	330	122128	86.45	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	705555	67.35	ng	-0.03
78) Terphenyl-d14	12.66	244	415783	38.70	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.23	94	20876	2.40	ng	90
19) n-Nitroso-di-n-propylamine	7.13	70	53747	11.60	ng	# 89
25) Isophorone	7.13	82	391505	32.47	ng	# 67
49) Dimethylphthalate	9.33	163	153708	12.33	ng	99
56) 2,4-Dinitrotoluene	9.60	165	21233	6.12	ng	# 32
66) 4-Bromophenyl-phenylether	10.39	248	7860	3.28	ng	# 1
70) Phenanthrene	11.10	178	144916	11.34	ng	98
71) Anthracene	11.15	178	32716	2.53	ng	98
74) Fluoranthene	12.28	202	195934	16.02	ng	99
77) Pyrene	12.50	202	184898	10.94	ng	99
80) Benzo(a)anthracene	13.69	228	98127	8.45	ng	98
82) Chrysene	13.73	228	82912	7.26	ng	95
85) Indeno(1,2,3-cd)pyrene	16.34	276	36603	6.65	ng	96
87) Benzo(b)fluoranthene	14.70	252	129641	13.92	ng	98
88) Benzo(k)fluoranthene	14.70	252	129641	14.70	ng	97
89) Benzo(a)pyrene	15.02	252	69302	8.11	ng	99
91) Benzo(a,h,i)perylene	16.72	276	34340	4.08	ng	94

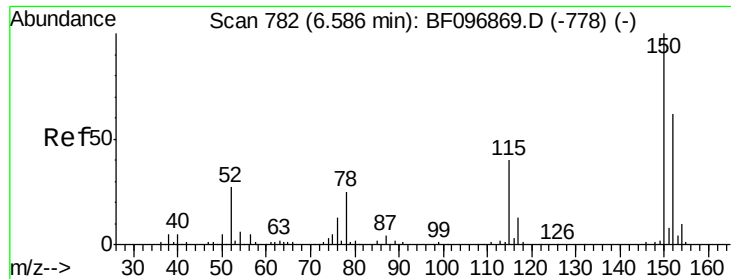
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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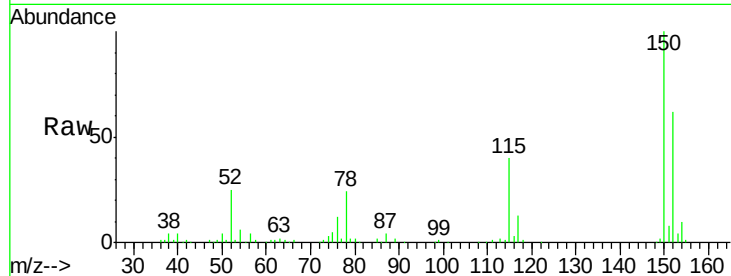


#1

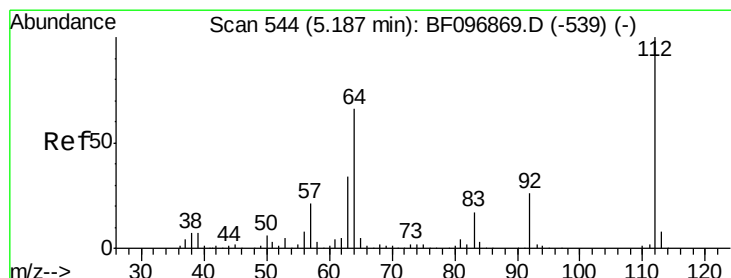
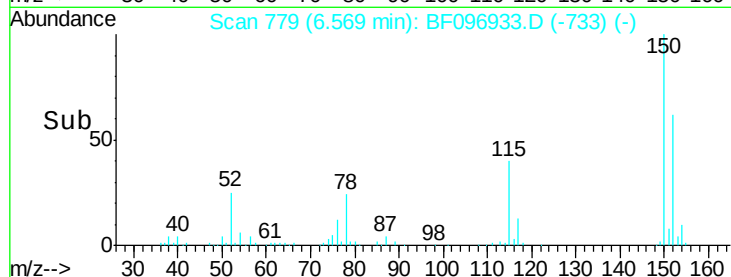
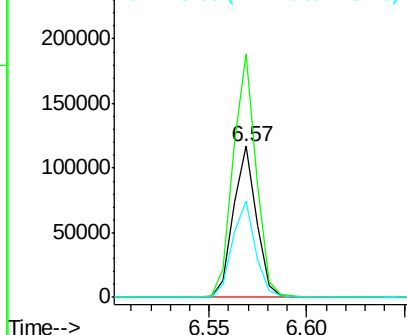
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 96392
Ion Ratio Lower Upper
152 100
150 160.8 126.2 189.2
115 63.8 52.2 78.2



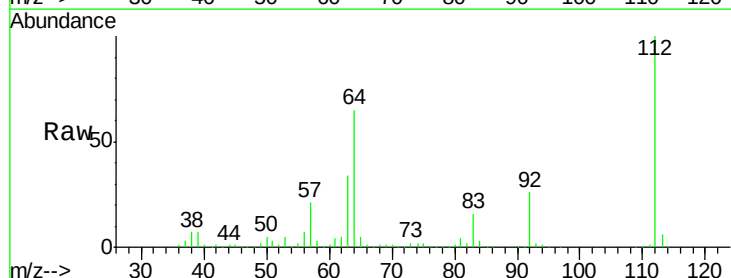
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



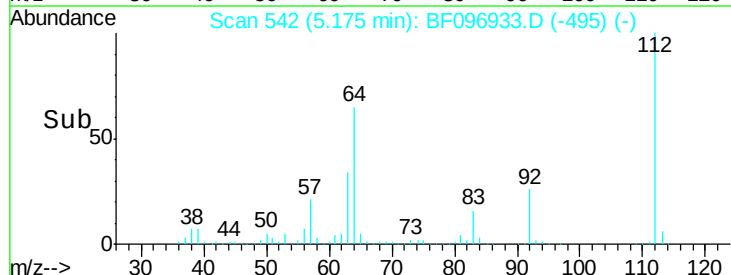
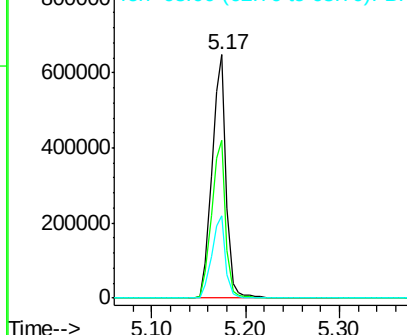
#5

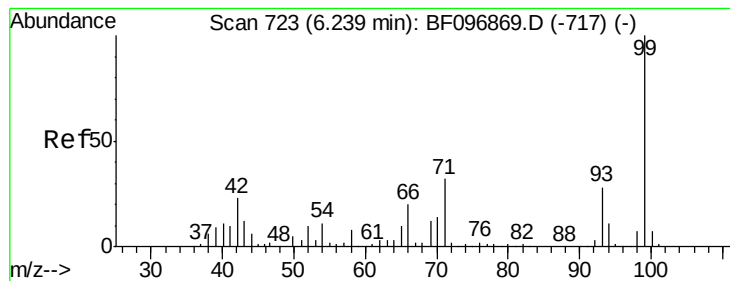
2-Fluorophenol
Concen: 107.47 ng
RT: 5.17 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion:112 Resp: 688954
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 33.7 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: 108.61 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_M

ClientSampleId :

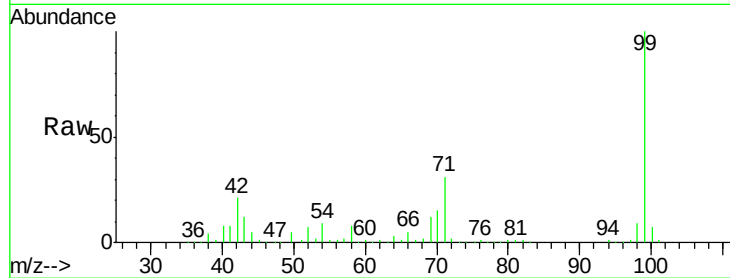
Tot Ion: 99 Resp: 835544

Ion Ratio Lower Upper

99 100

42 21.4 13.5 20.3#

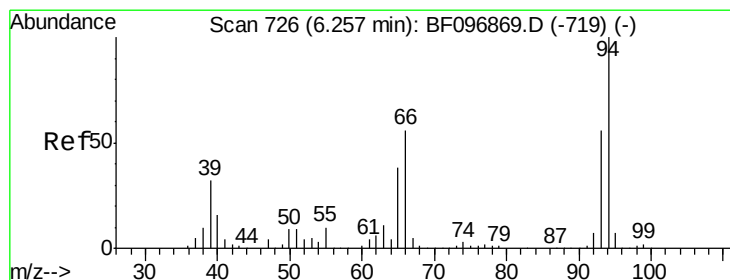
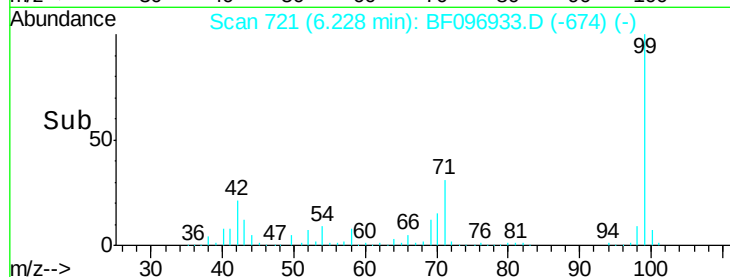
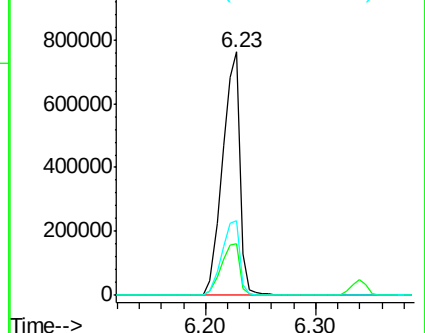
71 30.9 24.5 36.7



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: 2.40 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

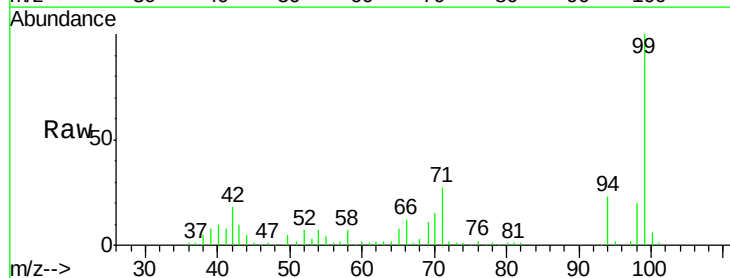
Tgt Ion: 94 Resp: 20876

Ion Ratio Lower Upper

94 100

65 32.4 9.9 49.9

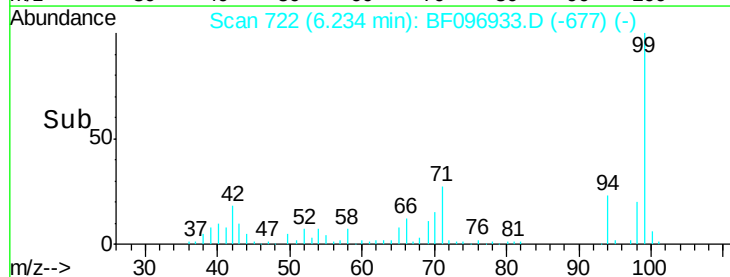
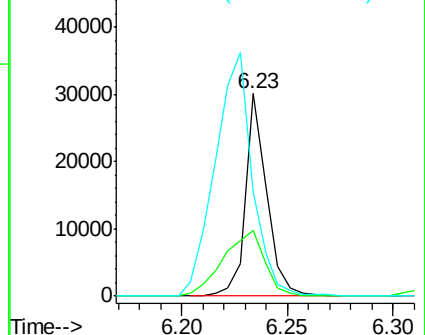
66 51.7 23.1 63.1

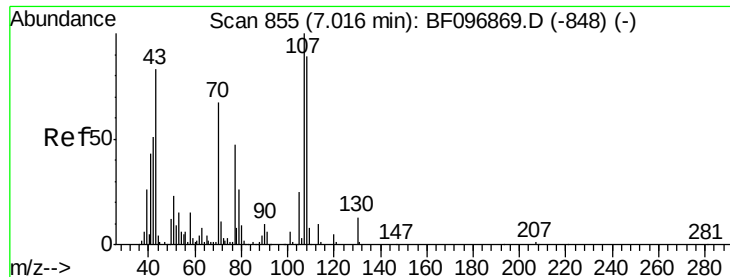


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

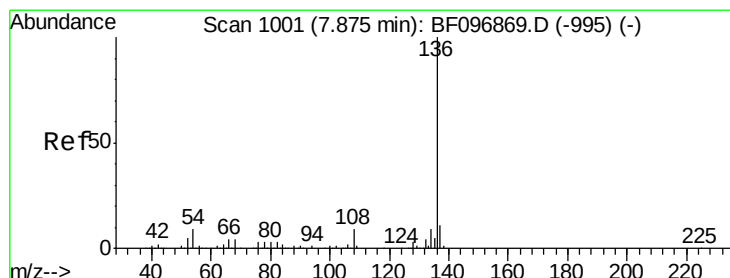
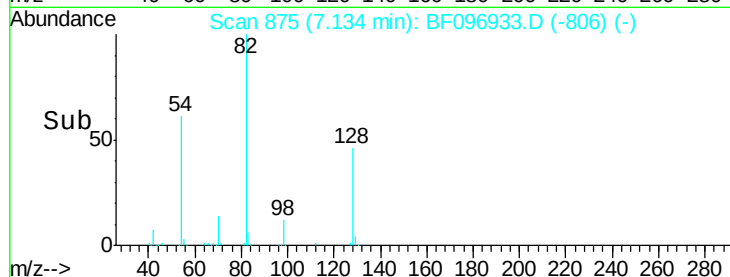
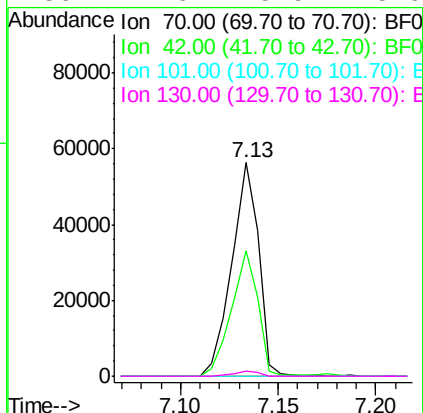
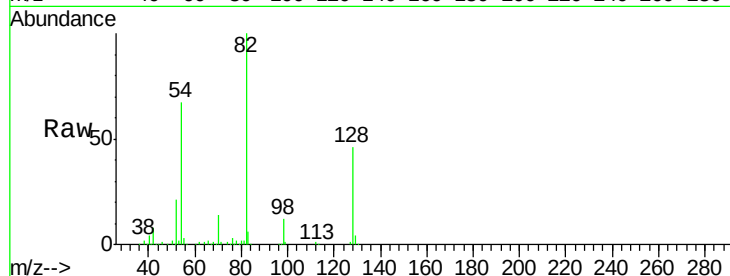




#19
n-Nitroso-di-n-propylamine
Concen: 11.60 ng
RT: 7.13 min Scan# 875
Delta R.T. 0.11 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

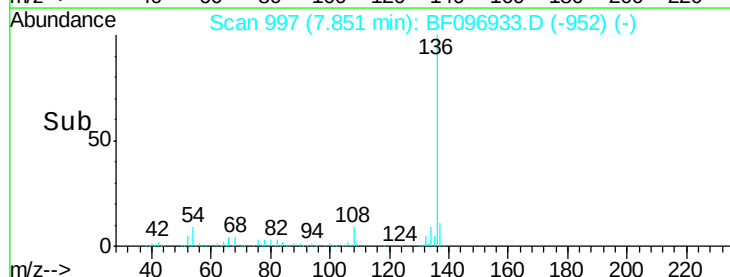
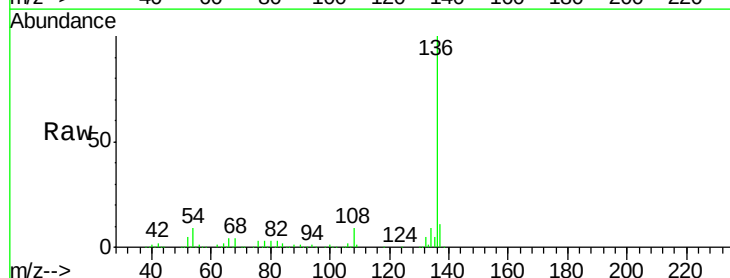
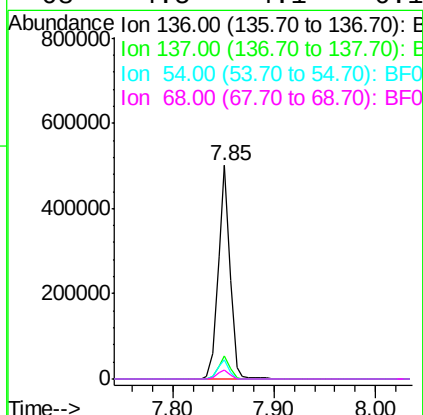
Instrument :
BNA_M
ClientSampled :

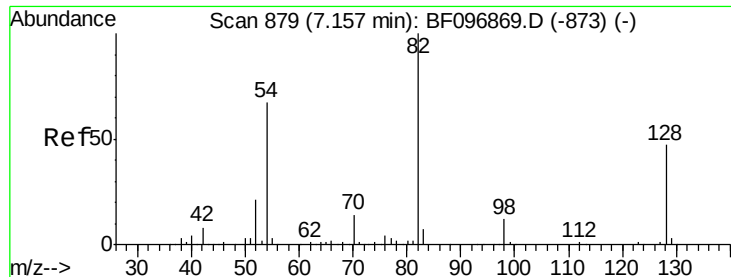
Tot Ion: 70 Resp: 53747
Ion Ratio Lower Upper
70 100
42 58.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion: 136 Resp: 401490
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.1 4.9 7.3#
68 4.5 4.1 6.1

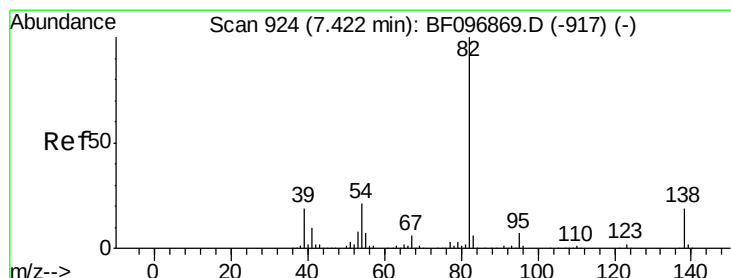
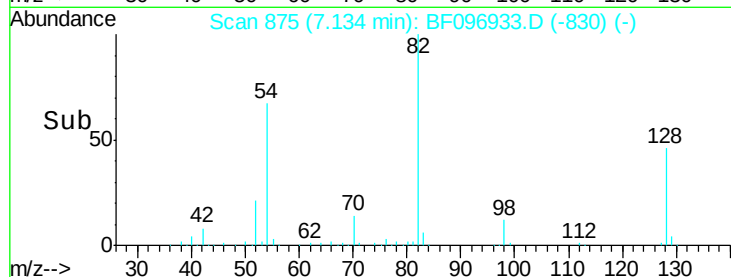
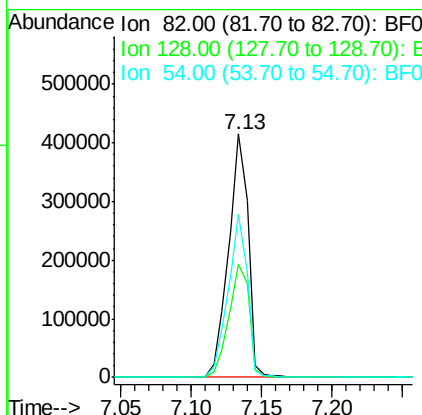
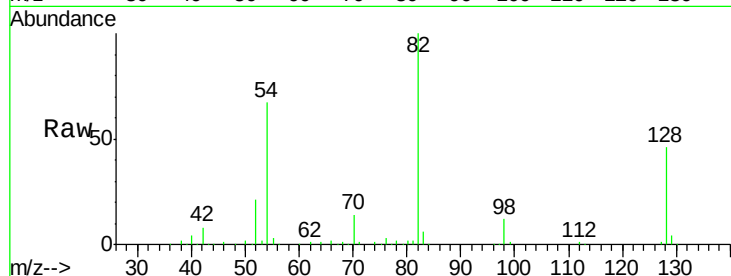




#23
 Nitrobenzene-d5
 Concen: 62.06 ng
 RT: 7.13 min Scan# 875
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

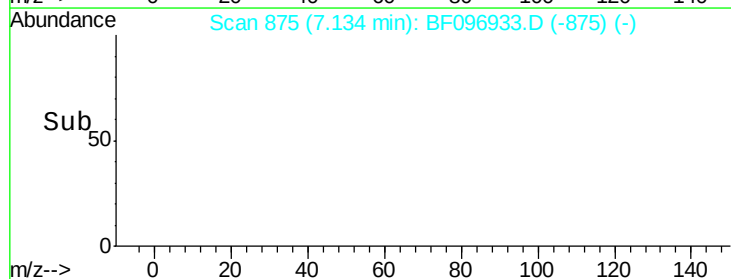
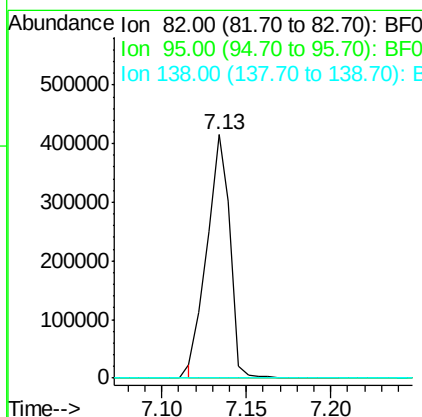
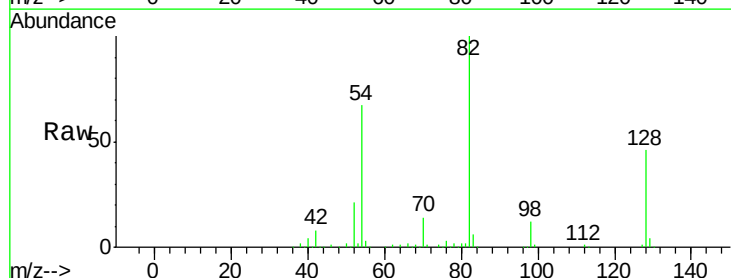
Instrument :
 BNA_M
 ClientSampleId :

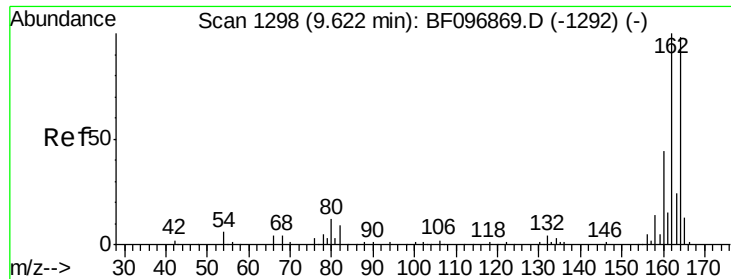
Tot Ion: 82 Resp: 402266
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.0 51.0
 54 67.1 42.2 63.2#



#25
 Isophorone
 Concen: 32.47 ng
 RT: 7.13 min Scan# 875
 Delta R.T. -0.30 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion: 82 Resp: 391505
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_M

ClientSampleId :

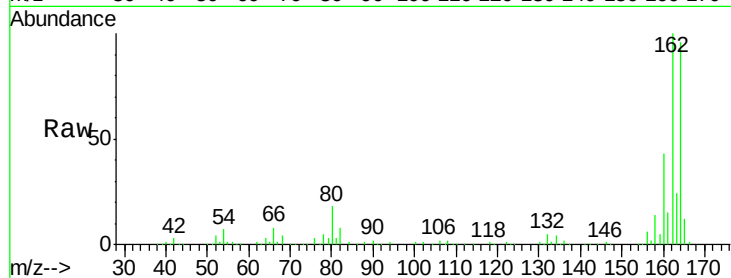
Tot Ion:164 Resp: 165511

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

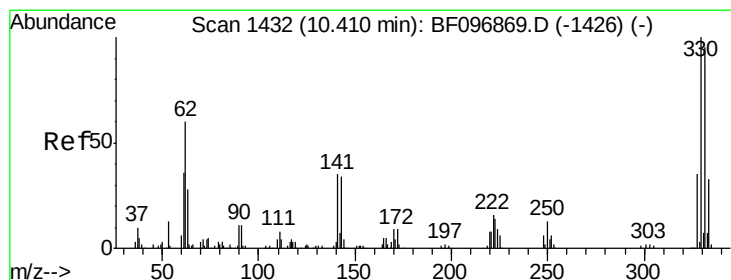
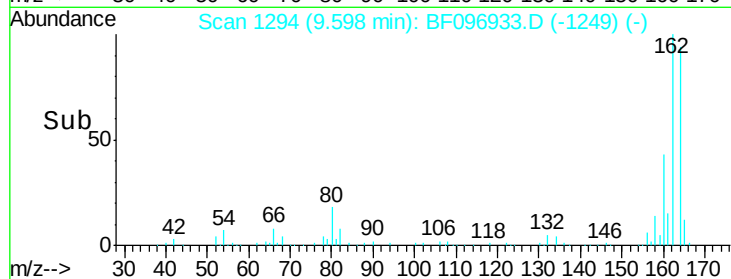
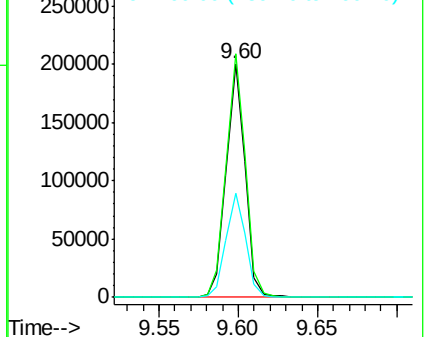
160 44.8 36.2 54.2



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: 86.45 ng

RT: 10.39 min Scan# 1428

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

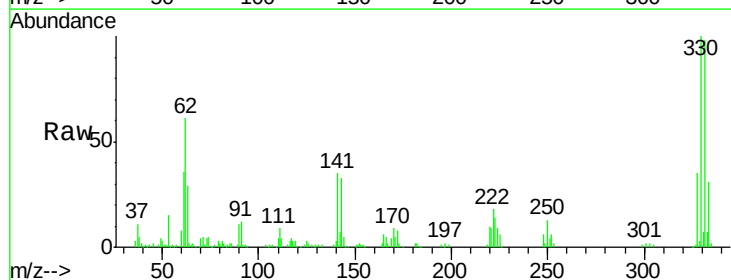
Tgt Ion:330 Resp: 122128

Ion Ratio Lower Upper

330 100

332 98.1 76.6 115.0

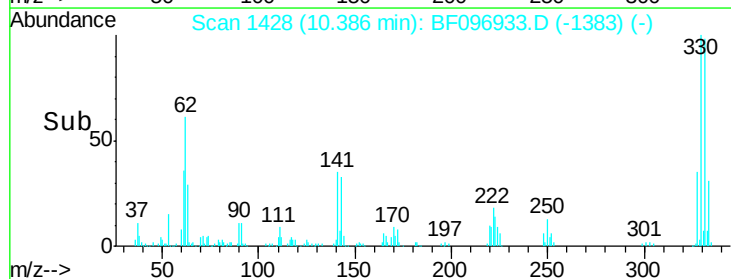
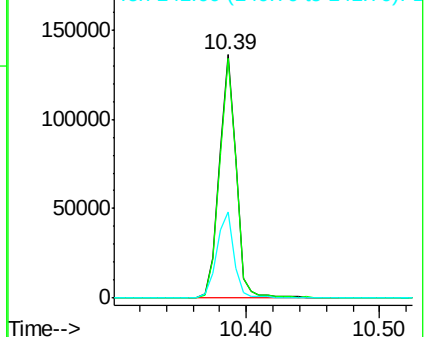
141 36.7 31.4 47.2

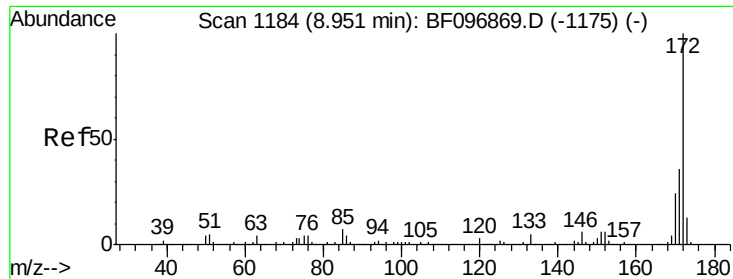


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

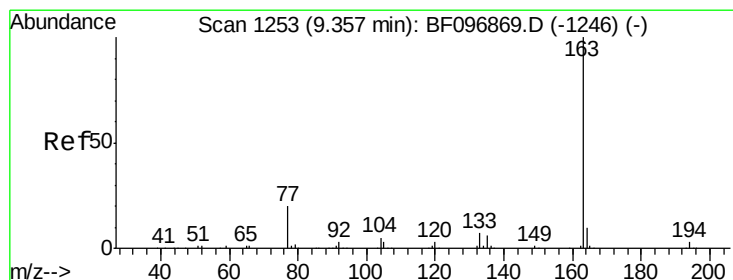
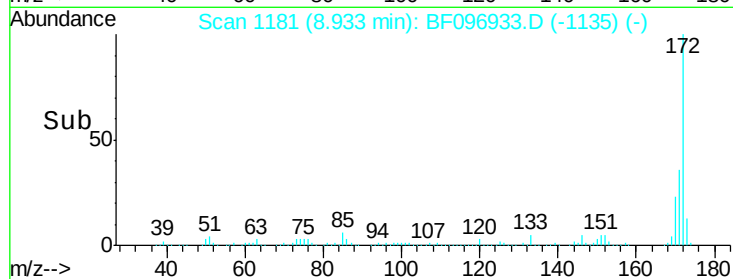
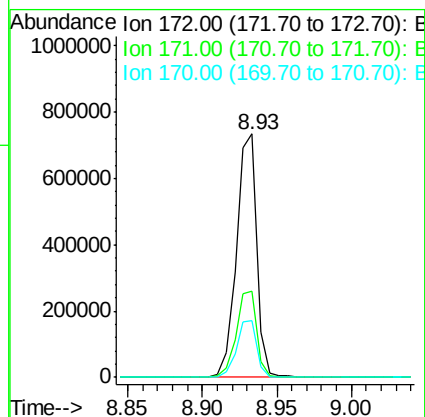
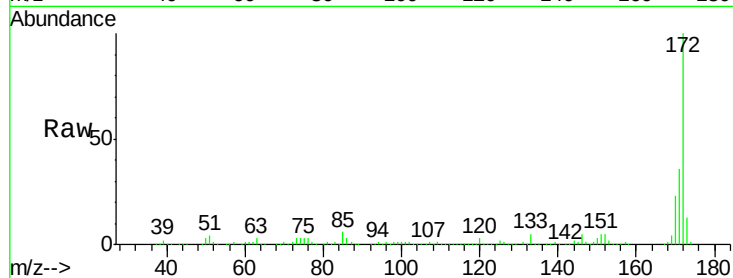




#44
2-Fluorobiphenyl
Concen: 67.35 ng
RT: 8.93 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

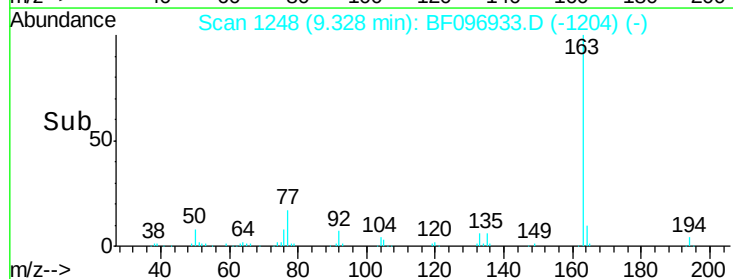
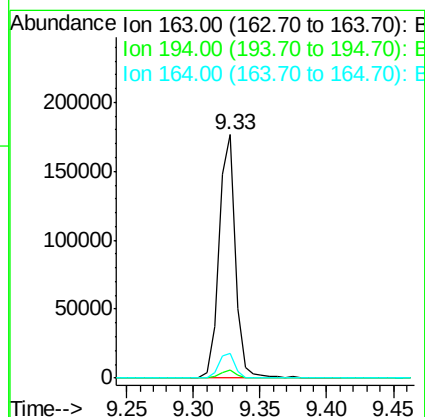
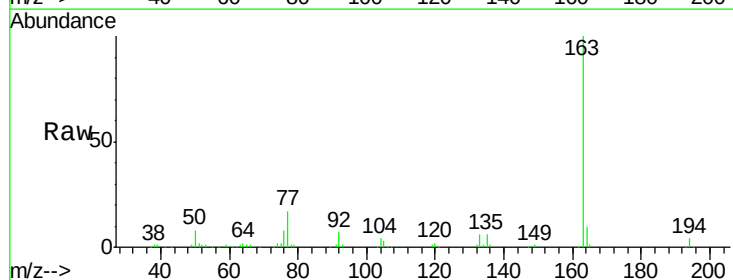
Instrument :
BNA_M
ClientSampleId :

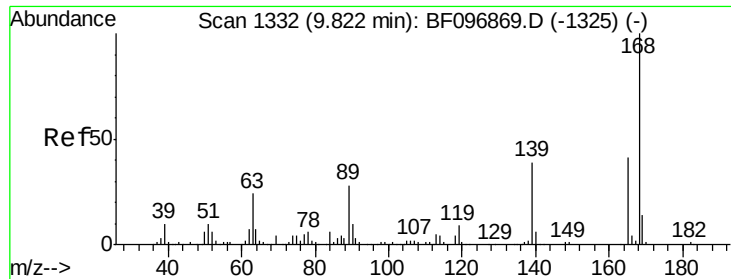
Tot Ion:172 Resp: 705555
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 12.33 ng
RT: 9.33 min Scan# 1248
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion:163 Resp: 153708
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.23 min

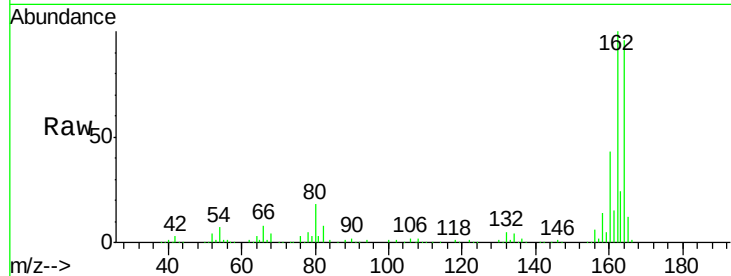
Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

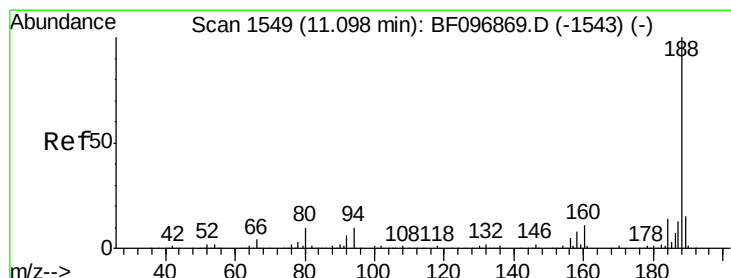
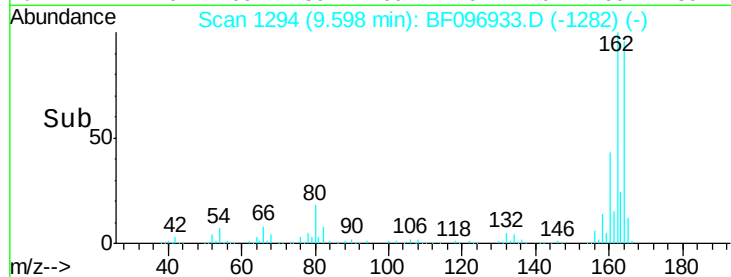
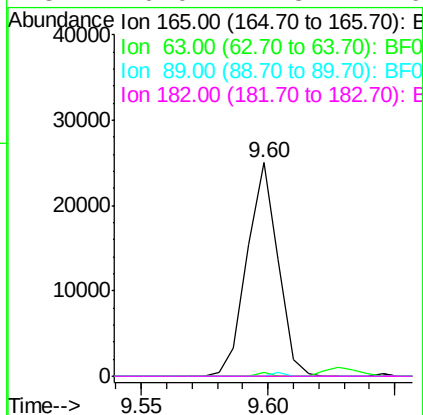
Instrument :

BNA_M

ClientSampleId :



Tot Ion:	165	Resp:	21233
Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63

Phenanthrene-d10

Concen: 20.00 ng

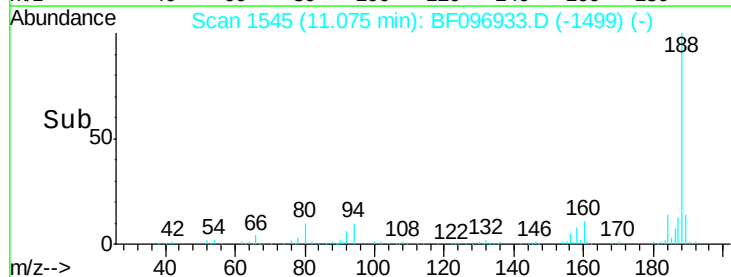
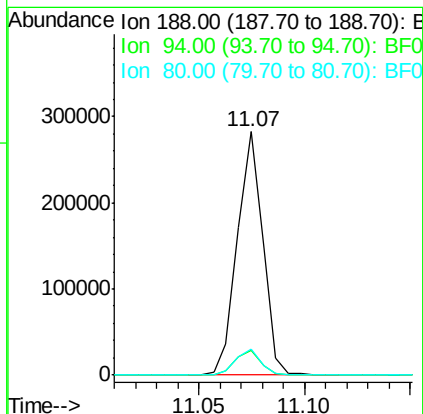
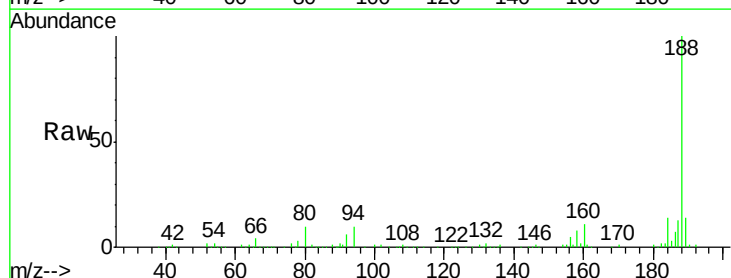
RT: 11.07 min Scan# 1545

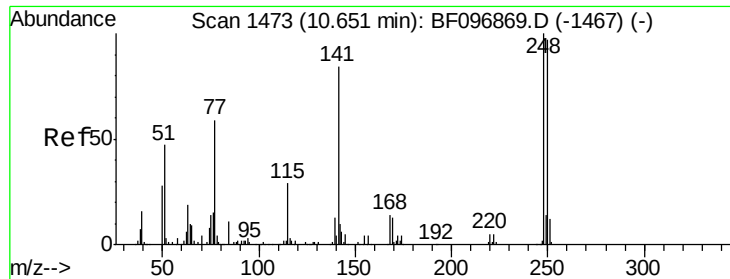
Delta R.T. -0.03 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Tgt Ion:	188	Resp:	234943
Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.5	10.2	15.2

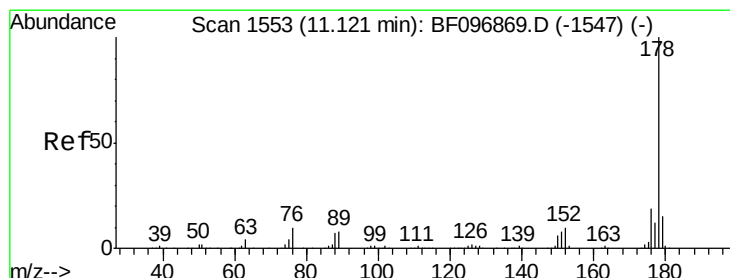
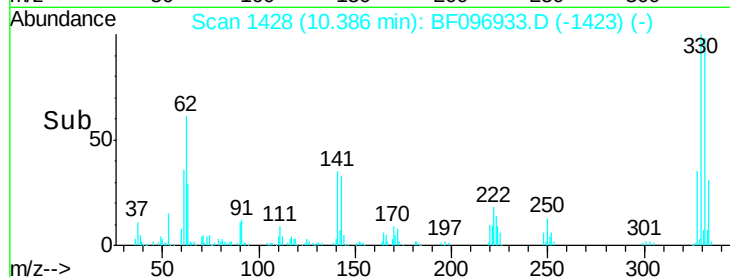
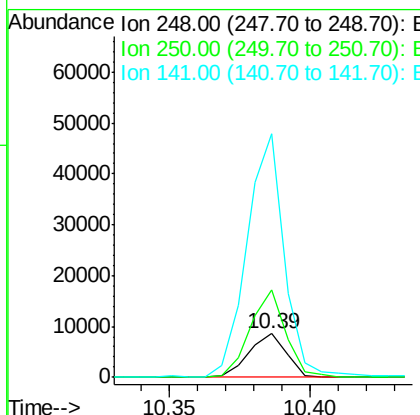
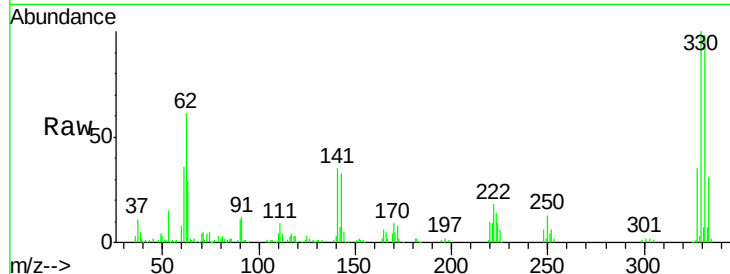




#66
4-Bromophenyl-phenylether
Concen: 3.28 ng
RT: 10.39 min Scan# 1428
Delta R.T. -0.27 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

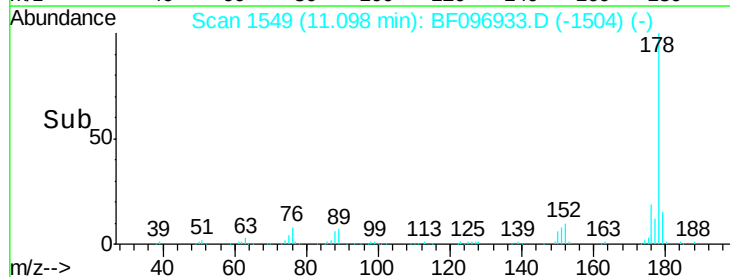
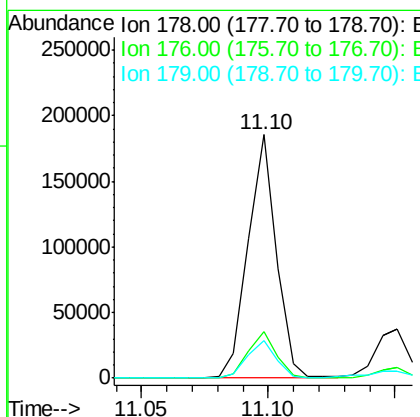
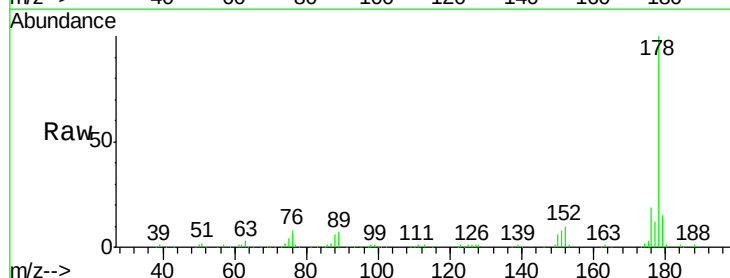
Instrument :
BNA_M
ClientSampleId :

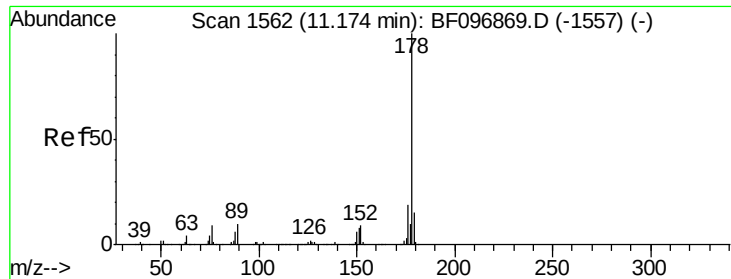
Tot Ion:248 Resp: 7860
Ion Ratio Lower Upper
248 100
250 199.9 76.8 115.2#
141 560.5 68.6 103.0#



#70
Phenanthrene
Concen: 11.34 ng
RT: 11.10 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion:178 Resp: 144916
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.4 12.6 19.0

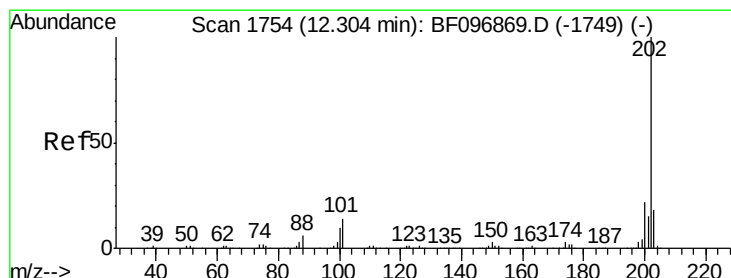
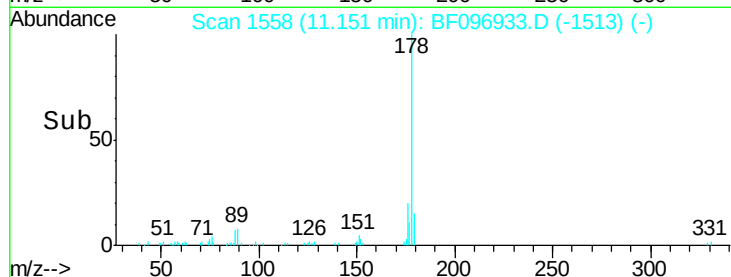
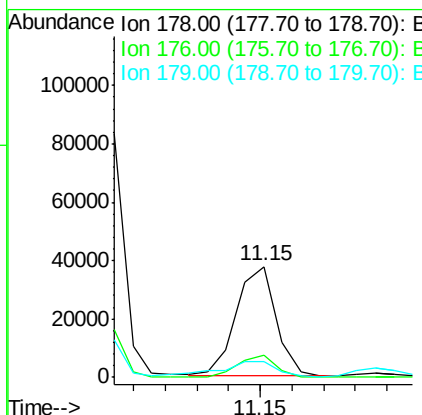
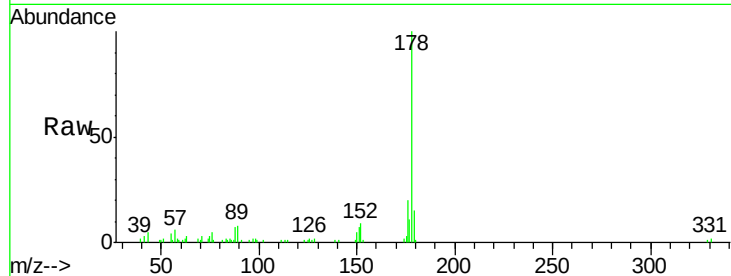




#71
 Anthracene
 Concen: 2.53 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

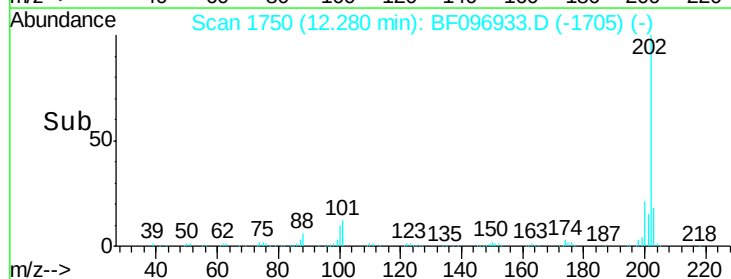
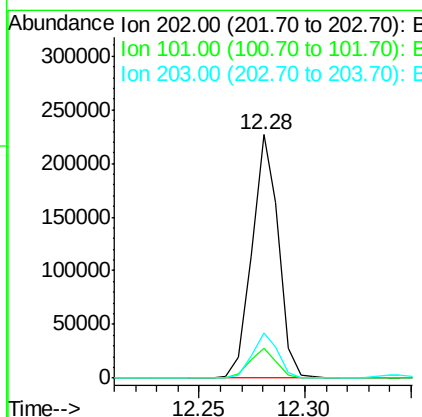
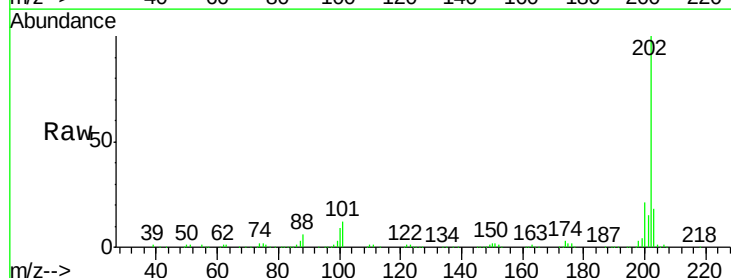
Instrument :
 BNA_M
 ClientSampled :

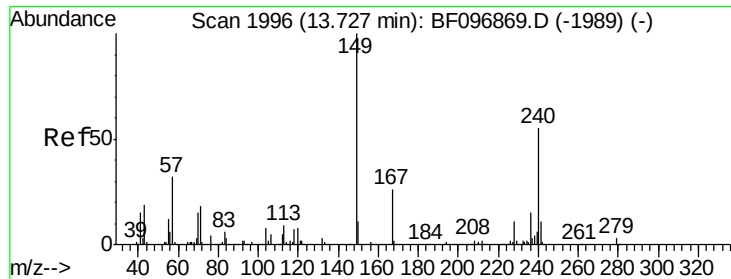
Tot Ion:178 Resp: 32716
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 14.5 12.7 19.1



#74
 Fluoranthene
 Concen: 16.02 ng
 RT: 12.28 min Scan# 1750
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion:202 Resp: 195934
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 18.4 0.0 38.1

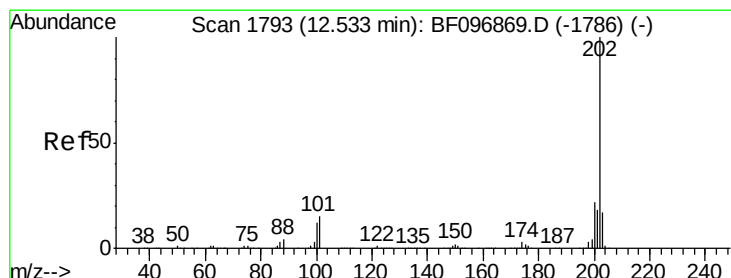
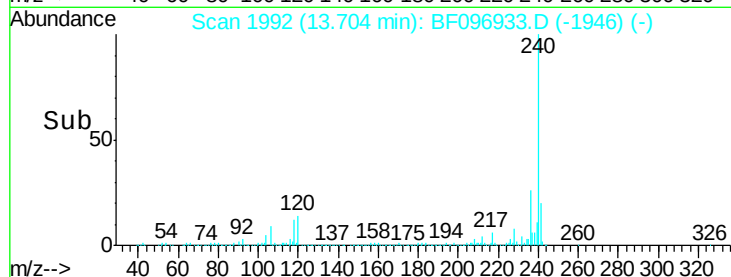
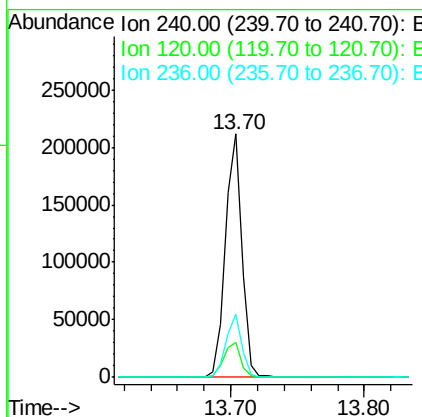
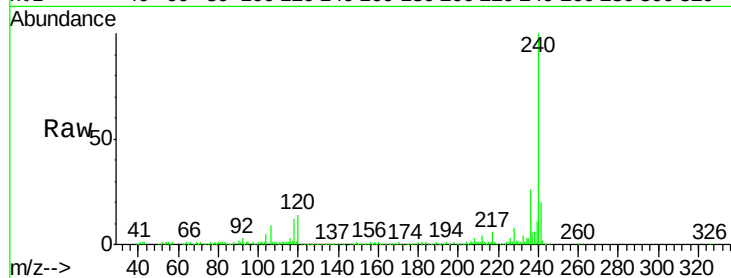




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.70 min Scan# 1992
 Delta R.T. -0.03 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

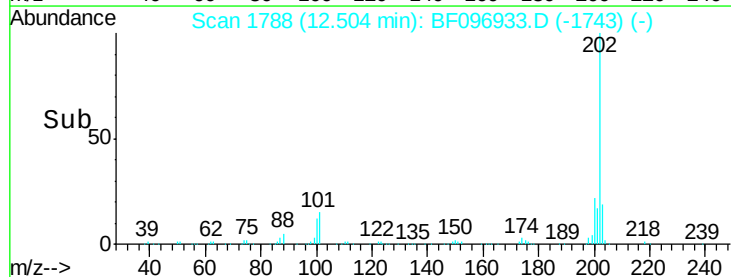
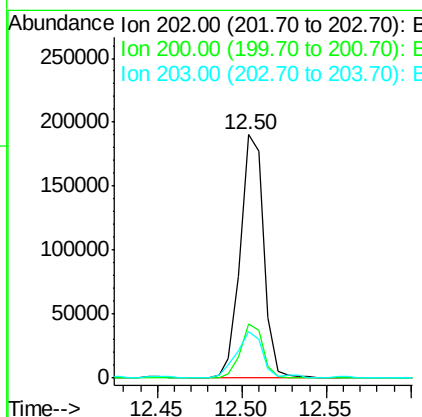
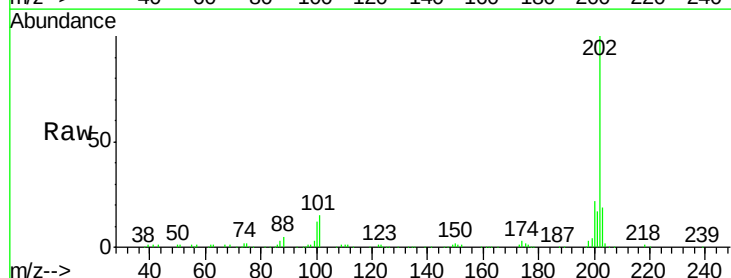
Instrument :
 BNA_M
 ClientSampleID :

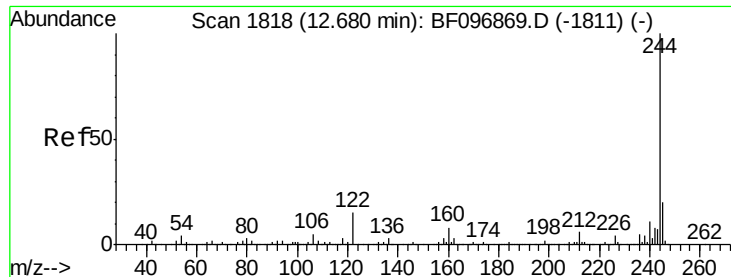
Tot Ion:240 Resp: 186311
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 25.8 20.5 30.7



#77
 Pyrene
 Concen: 10.94 ng
 RT: 12.50 min Scan# 1788
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion:202 Resp: 184898
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.6 26.4
 203 18.9 14.4 21.6





#78

Terphenyl-d14

Concen: 38.70 ng

RT: 12.66 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_M

ClientSampled :

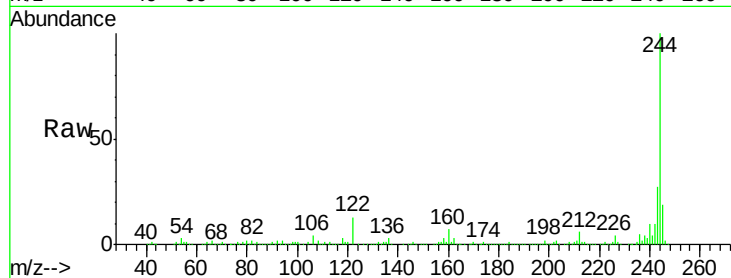
Tot Ion:244 Resp: 415783

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

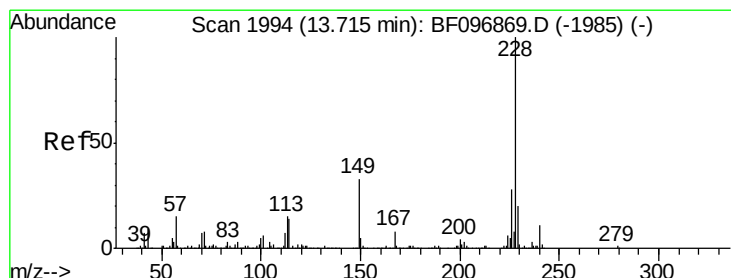
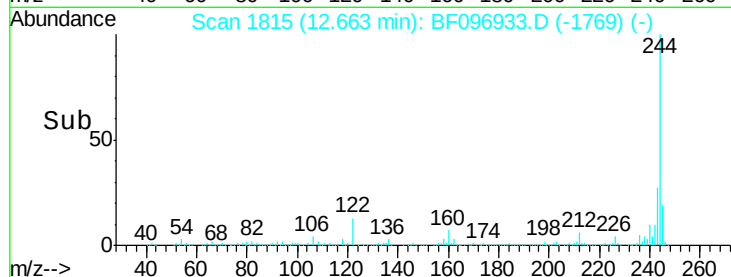
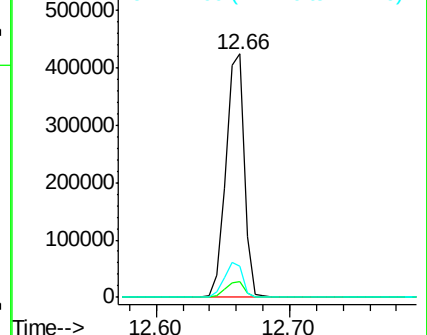
122 12.7 10.3 15.5



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: 8.45 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.03 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

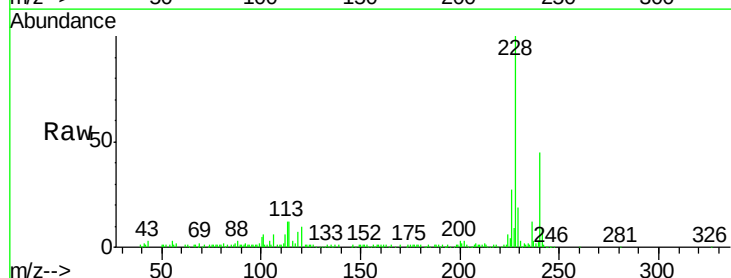
Tgt Ion:228 Resp: 98127

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

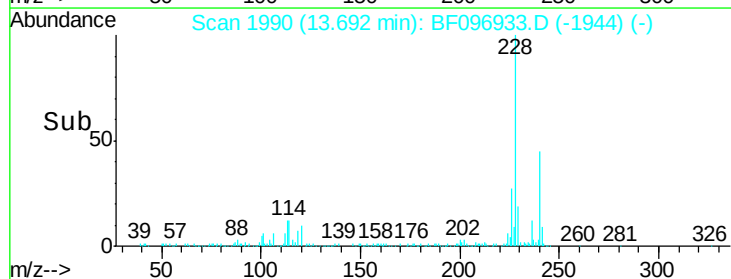
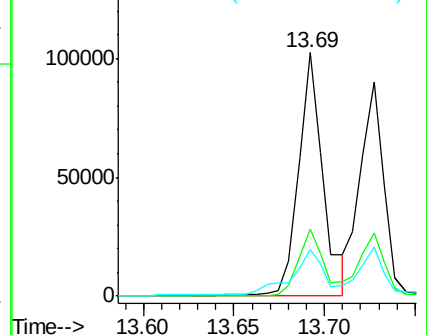
229 19.3 16.3 24.5

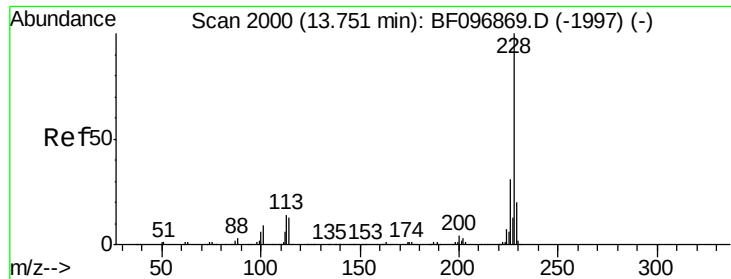


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.26 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_M

ClientSampled :

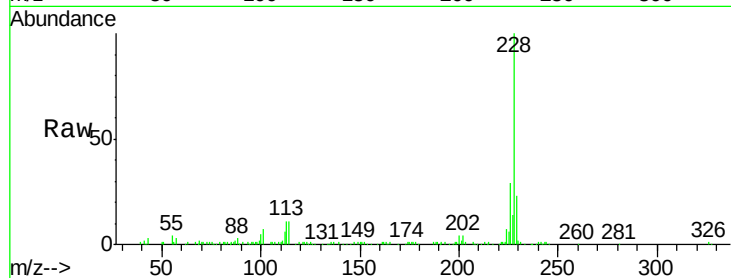
Tot Ion:228 Resp: 82912

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

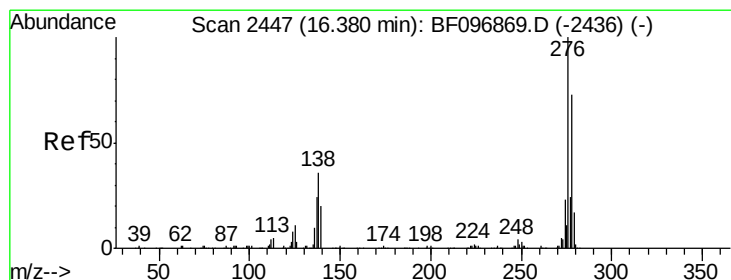
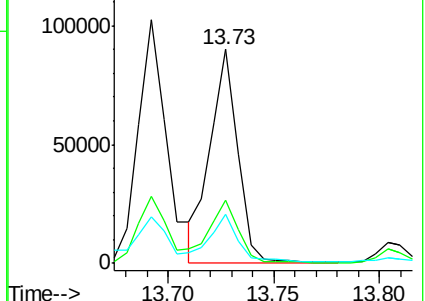
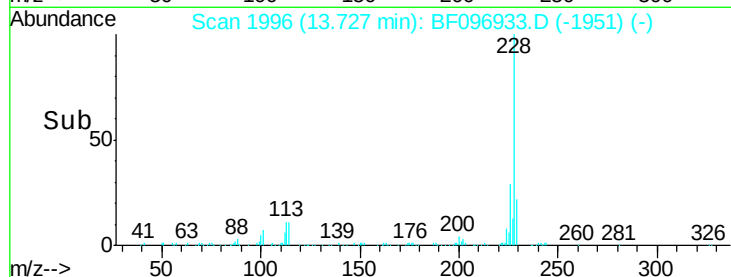
229 22.9 15.8 23.6



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: 6.65 ng

RT: 16.34 min Scan# 2440

Delta R.T. -0.05 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

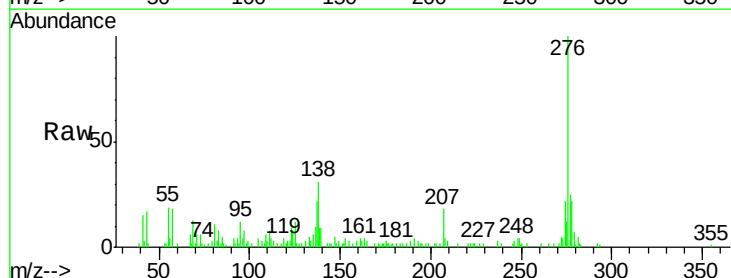
Tgt Ion:276 Resp: 36603

Ion Ratio Lower Upper

276 100

138 32.1 27.8 41.6

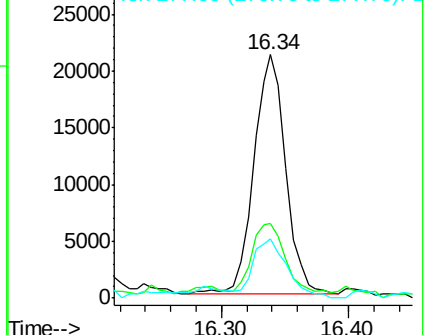
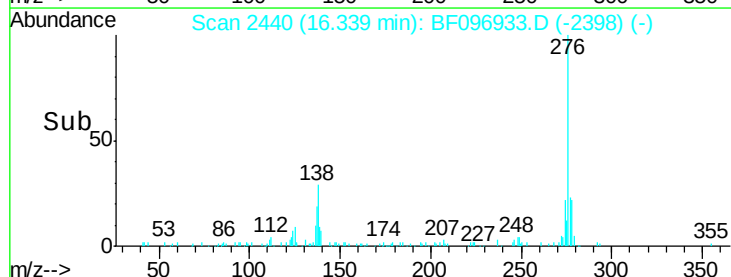
277 26.8 20.2 30.4

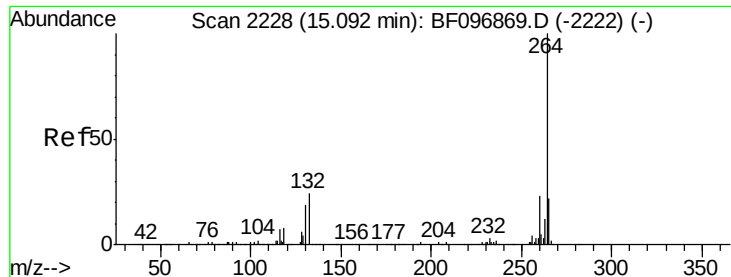


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

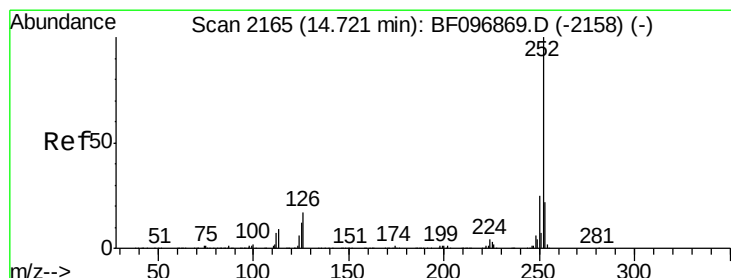
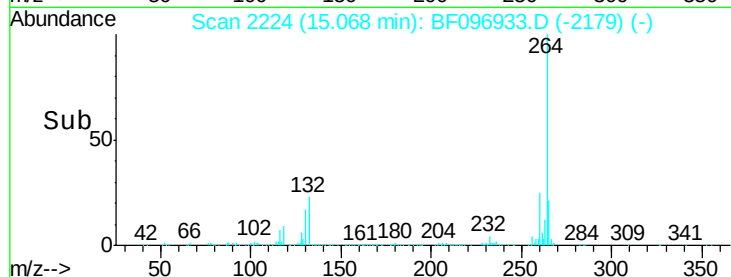
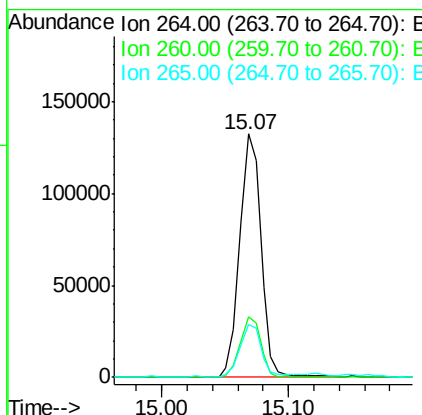
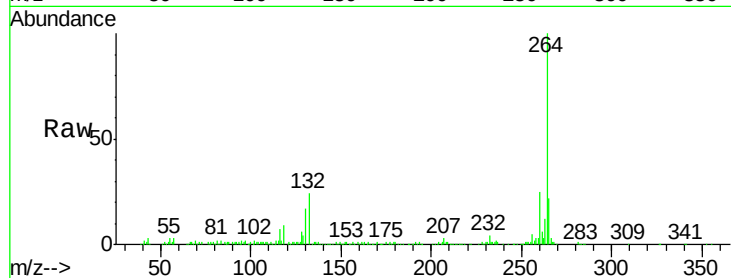




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

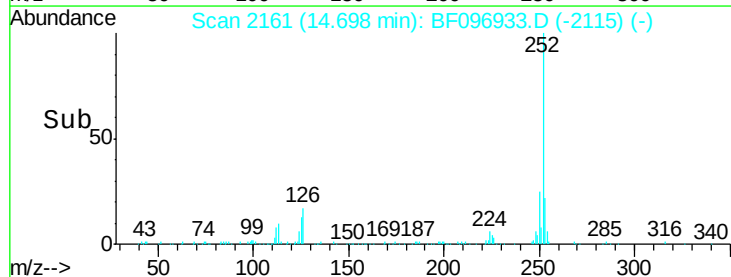
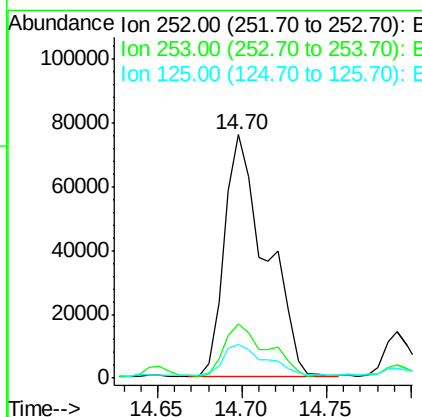
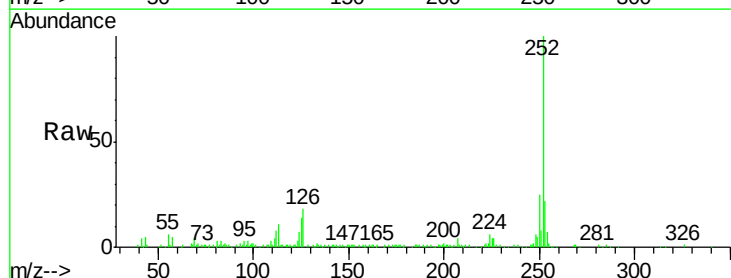
Instrument :
BNA_M
ClientSampleId :

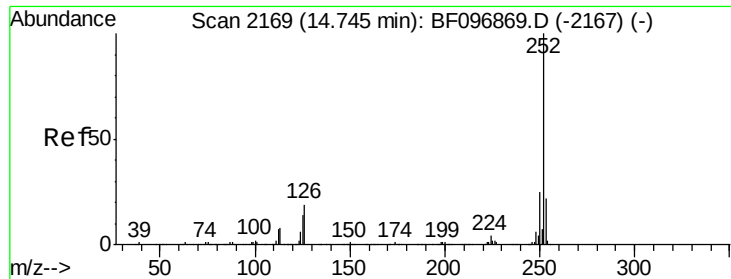
Tot Ion:264 Resp: 154467
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 13.92 ng
RT: 14.70 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion:252 Resp: 129641
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 13.7 9.8 14.8

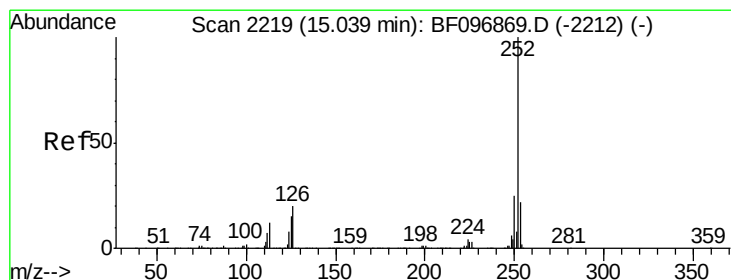
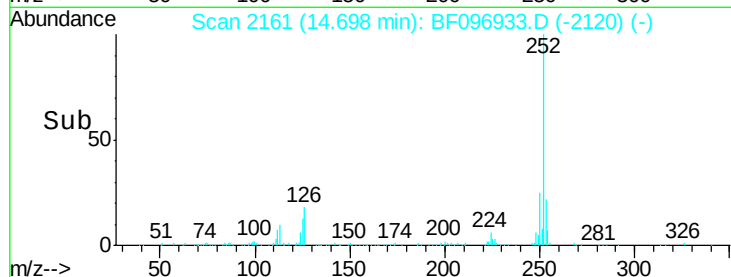
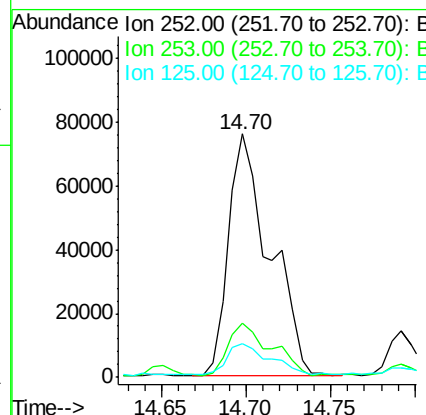
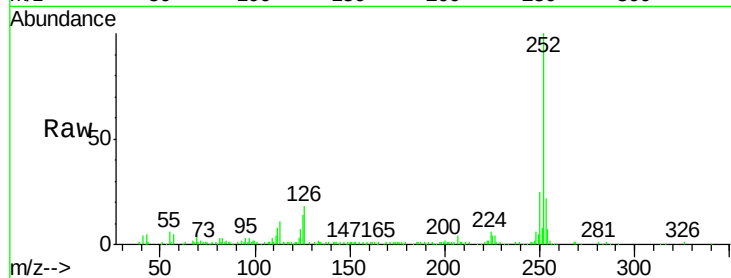




#88
Benzo(k)fluoranthene
Concen: 14.70 ng
RT: 14.70 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

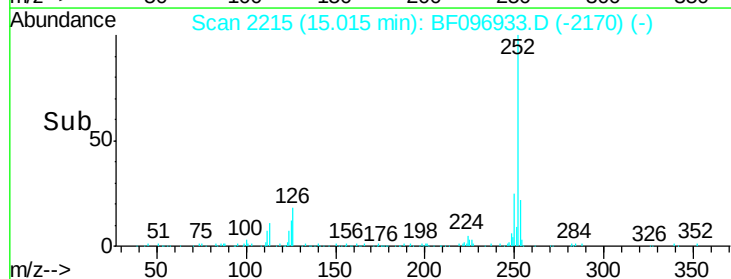
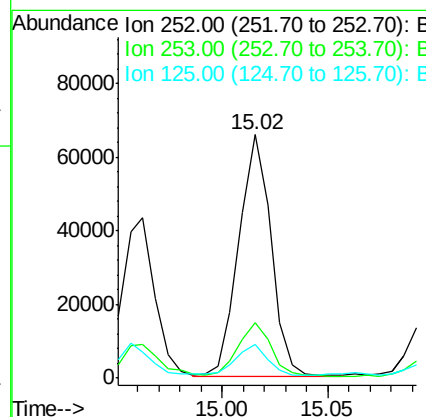
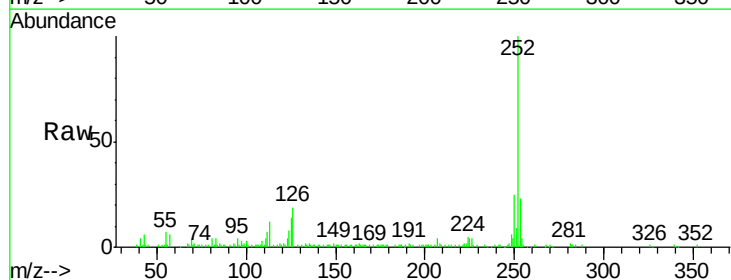
Instrument :
BNA_M
ClientSampled :

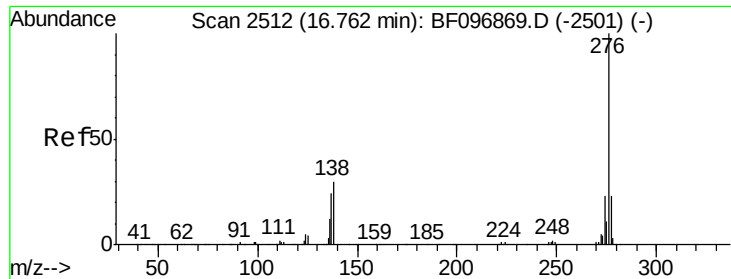
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.11 ng
RT: 15.02 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	13.8	11.0	16.4

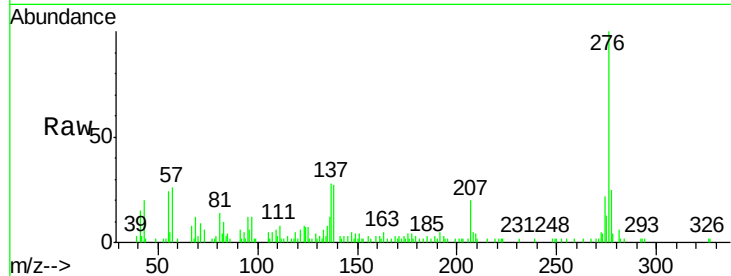




#91
 Benzo(a,h,i)perylene
 Concen: 4.08 ng
 RT: 16.72 min Scan# 2504
 Delta R.T. -0.06 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	27.3	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

