

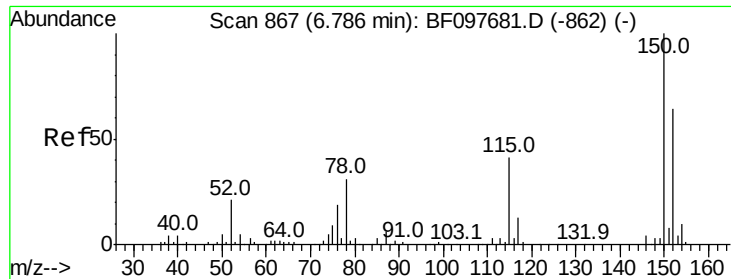
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098361.D
 Acq On : 8 Sep 2017 20:11
 Operator : SJ/JU
 Sample : I5126-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-090617

Quant Time: Sep 08 23:59:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	108904	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	394079	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	149819	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	234380	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	241256	20.00	ng	-0.03
86) Perylene-d12	15.24	264	196922	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	630035	88.00	ng	-0.01
7) Phenol-d6	6.33	99	833614	85.69	ng	-0.02
23) Nitrobenzene-d5	7.25	82	485276	66.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	116600	89.70	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	735103	72.09	ng	-0.02
78) Terphenyl-d14	12.79	244	493781	42.68	ng	-0.02
Target Compounds						
10) Phenol	6.34	94	31969	2.810	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.25	70	62808	9.432	ng	# 68
25) Isophorone	7.25	82	480942	31.884	ng	# 67
49) Dimethylphthalate	9.44	163	111021	10.138	ng	97
56) 2,4-Dinitrotoluene	9.72	165	18387	6.702	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	7700	3.164	ng	# 1
70) Phenanthrene	11.22	178	31153	2.494	ng	98
74) Fluoranthene	12.41	202	78353	6.010	ng	98
77) Pyrene	12.63	202	67986	3.445	ng	98
80) Benzo(a)anthracene	13.82	228	37588	2.600	ng	97
82) Chrysene	13.86	228	35958	2.500	ng	97
87) Benzo(b)fluoranthene	14.84	252	59368	4.783	ng	# 94
88) Benzo(k)fluoranthene	14.84	252	59368	5.091	ng	98
89) Benzo(a)pyrene	15.18	252	28323	2.577	ng	# 95

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

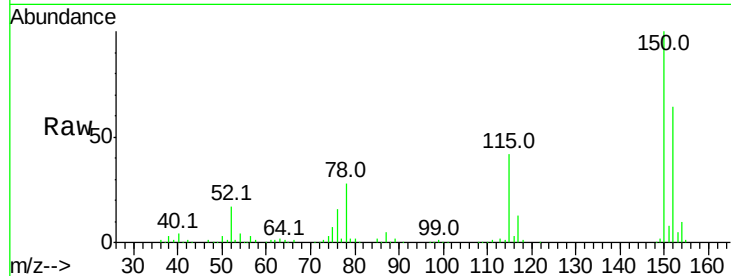


#1

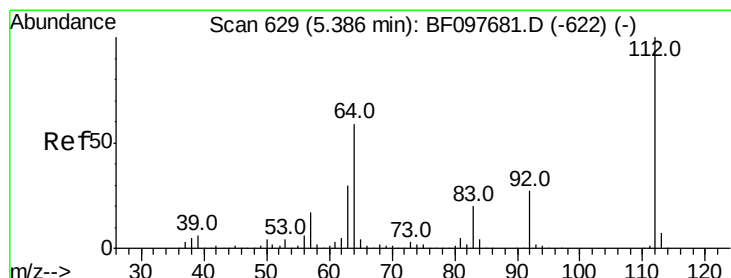
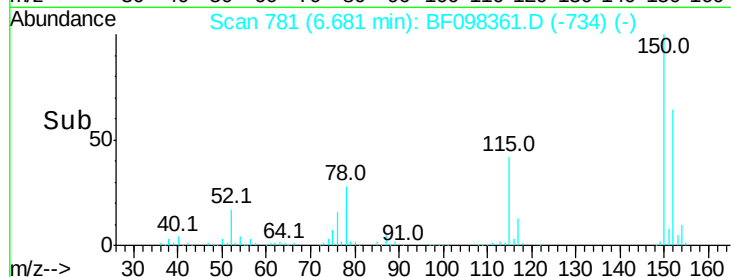
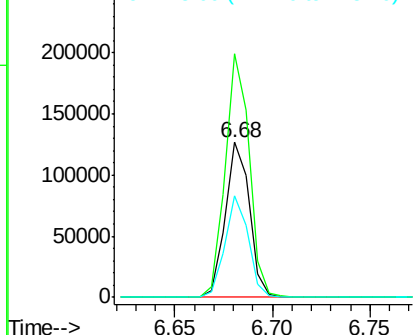
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TR-05-090617

Tot Ion:152 Resp: 108904
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 65.3 52.2 78.2



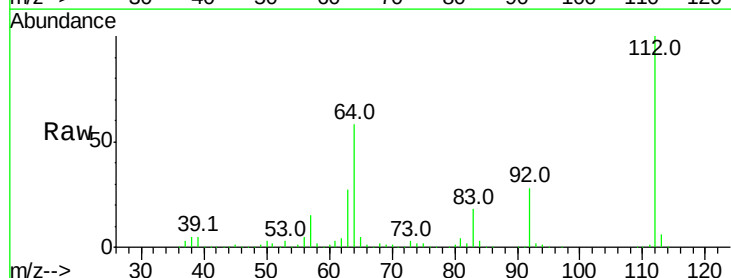
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



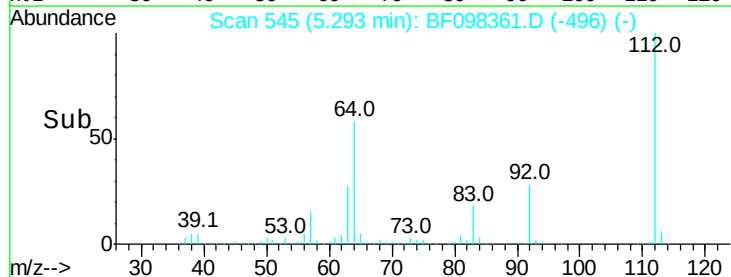
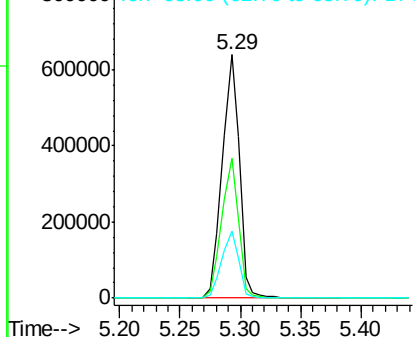
#5

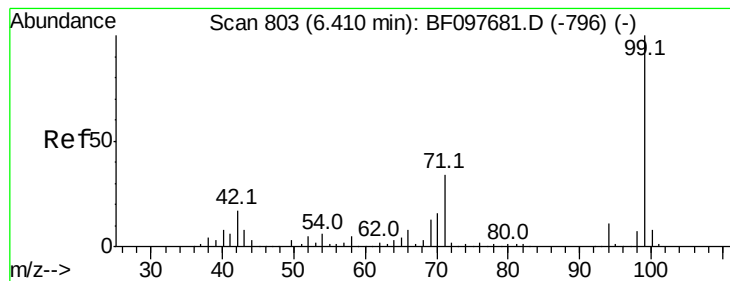
2-Fluorophenol
Concen: 87.998 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Tgt Ion:112 Resp: 630035
Ion Ratio Lower Upper
112 100
64 57.6 46.0 69.0
63 27.4 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: 85.693 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

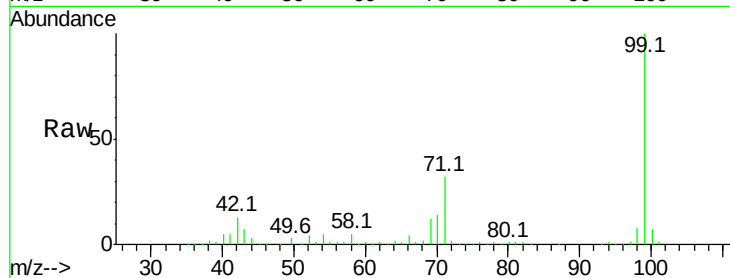
BNA_F

ClientSampleId :

TR-05-090617

Tot Ion: 99 Resp: 833614

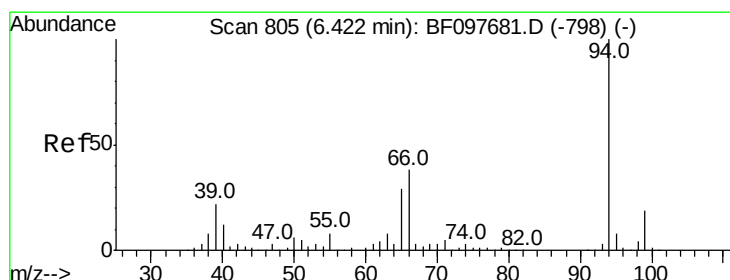
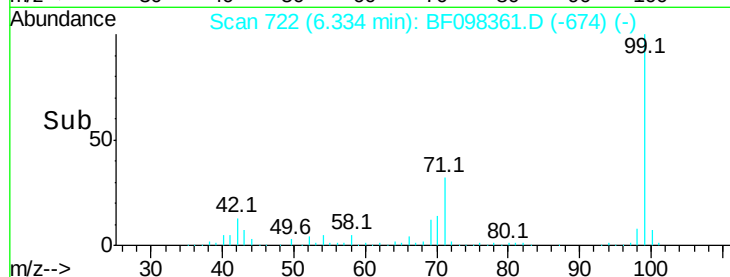
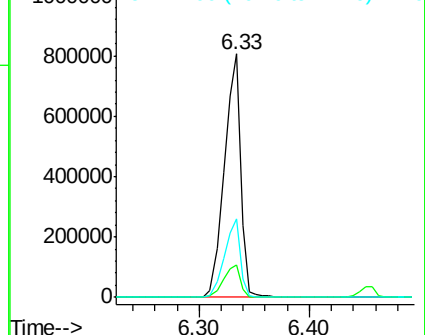
Ion	Ratio	Lower	Upper
99	100		
42	13.5	13.5	20.3#
71	32.1	24.5	36.7



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: 2.810 ng

RT: 6.34 min Scan# 723

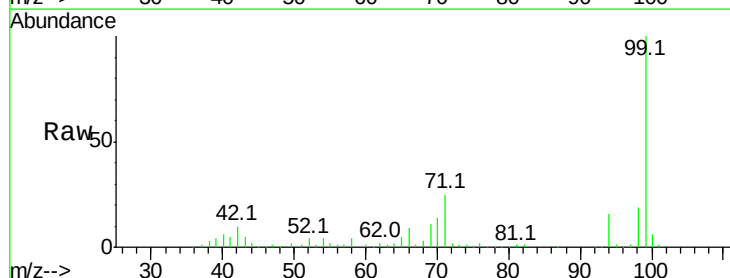
Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Tgt Ion: 94 Resp: 31969

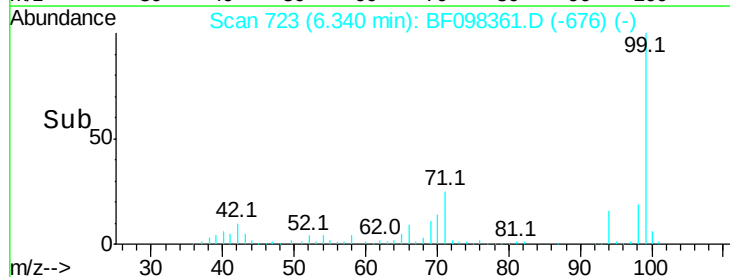
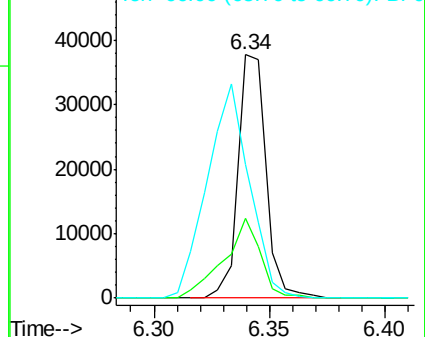
Ion	Ratio	Lower	Upper
94	100		
65	32.7	9.9	49.9
66	54.8	23.1	63.1

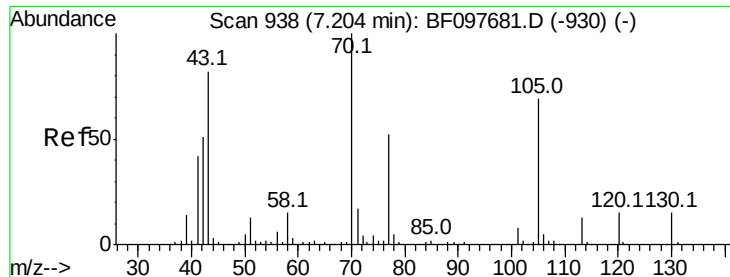


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

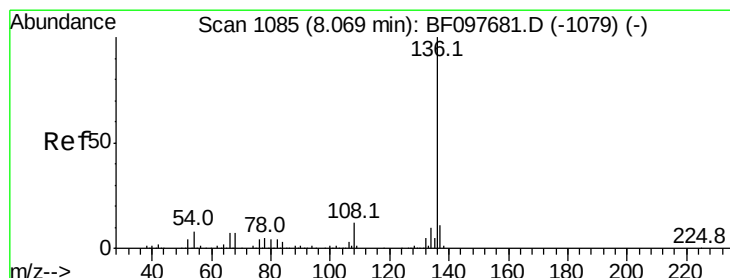
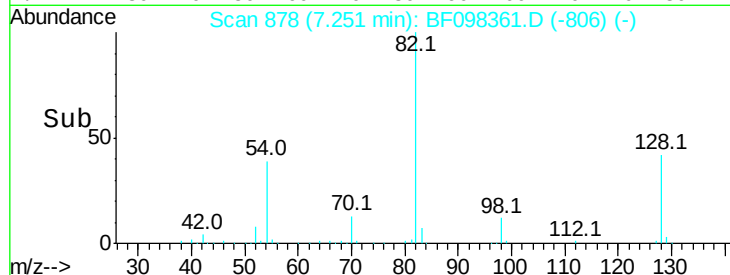
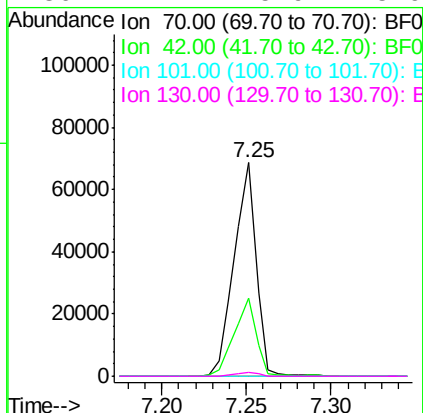
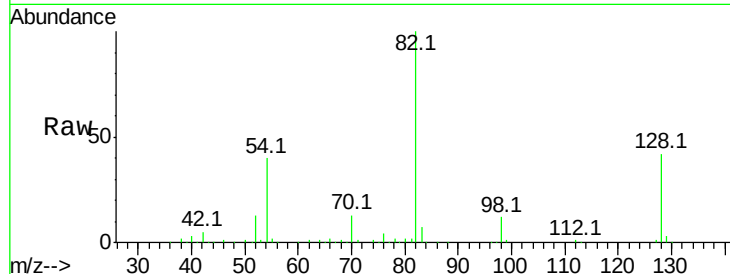




#19
n-Nitroso-di-n-propylamine
Concen: 9.432 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

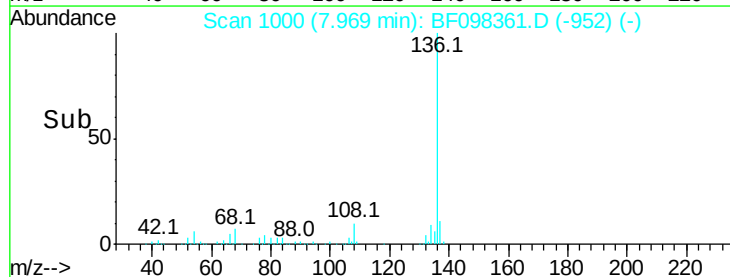
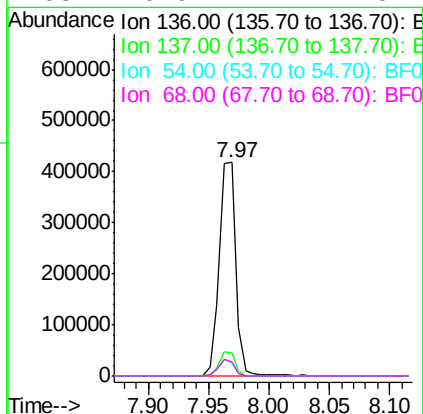
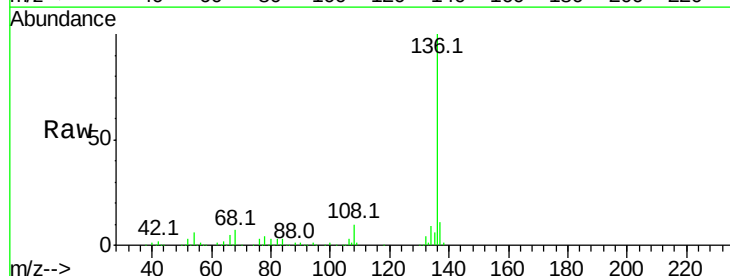
Instrument :
BNA_F
ClientSampleId :
TR-05-090617

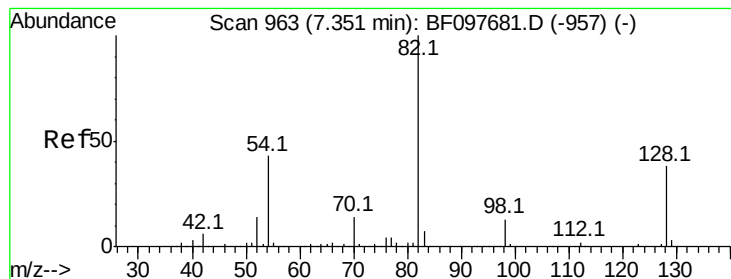
Tot Ion: 70 Resp: 62808
Ion Ratio Lower Upper
70 100
42 36.5 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Tgt Ion: 136 Resp: 394079
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.2 4.9 7.3
68 6.9 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 66.896 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TR-05-090617

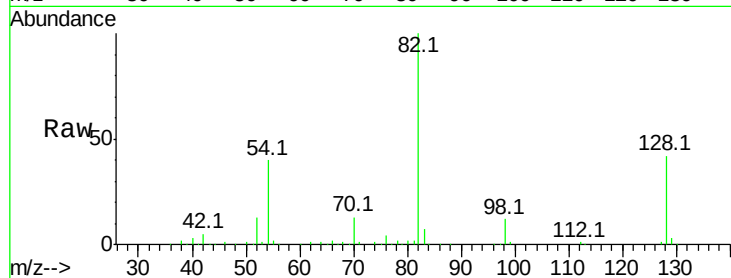
Tot Ion: 82 Resp: 485276

Ion Ratio Lower Upper

82 100

128 41.8 34.0 51.0

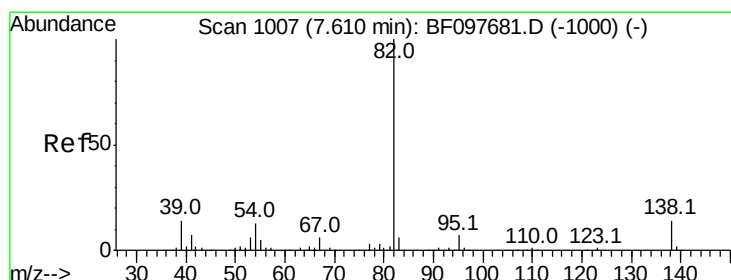
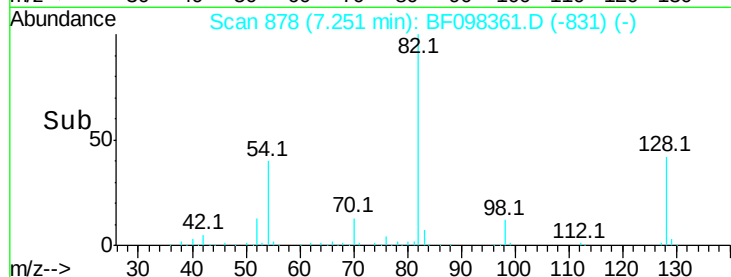
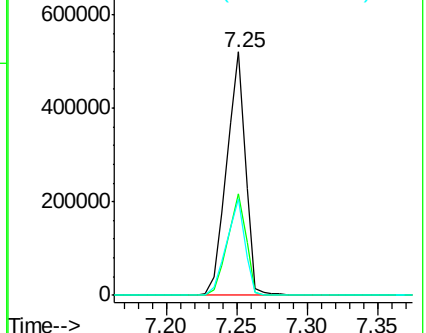
54 39.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 31.884 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

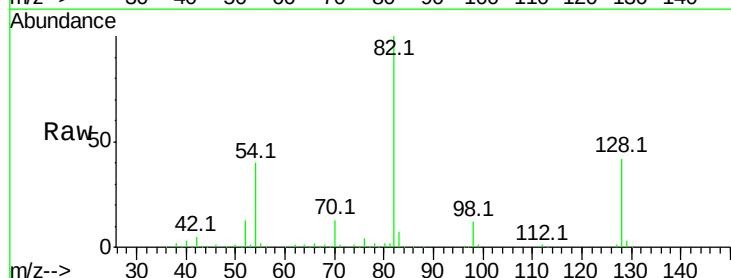
Tgt Ion: 82 Resp: 480942

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

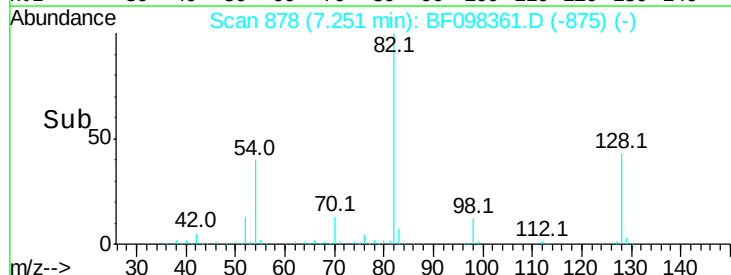
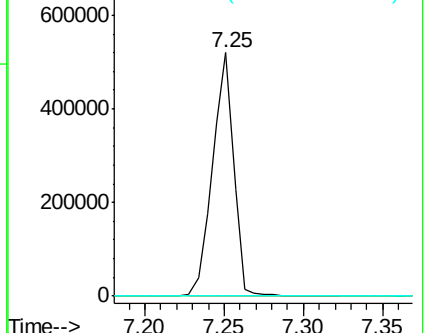
138 0.0 13.1 19.7#

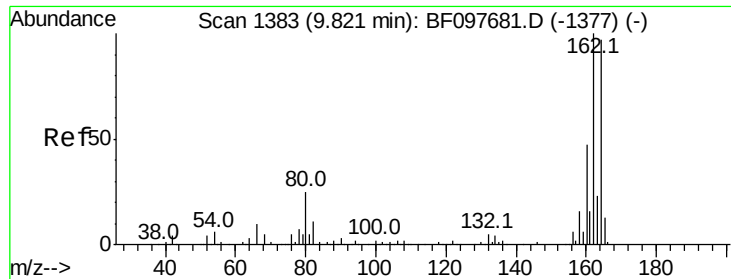


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TR-05-090617

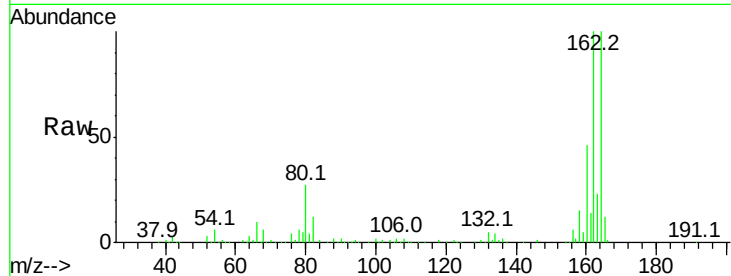
Tot Ion:164 Resp: 149819

Ion Ratio Lower Upper

164 100

162 100.0 82.6 123.8

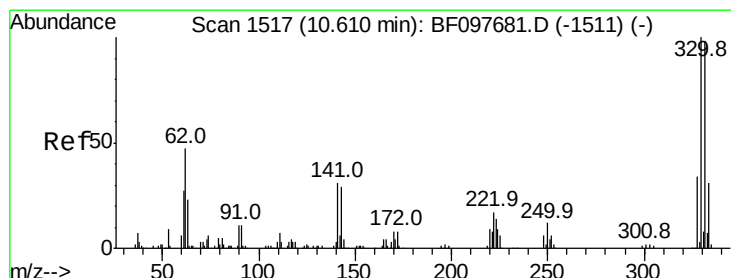
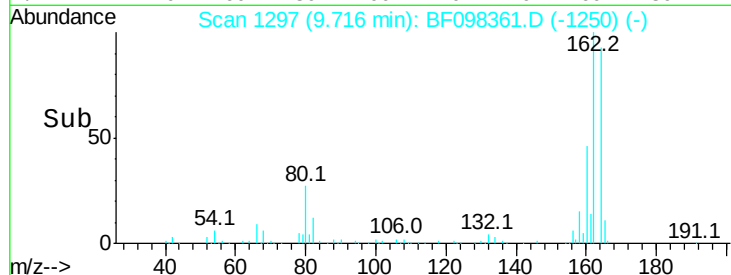
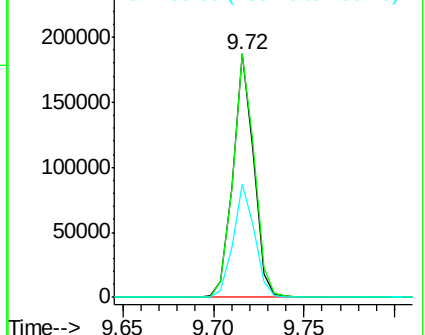
160 46.3 36.2 54.2



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: 89.698 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

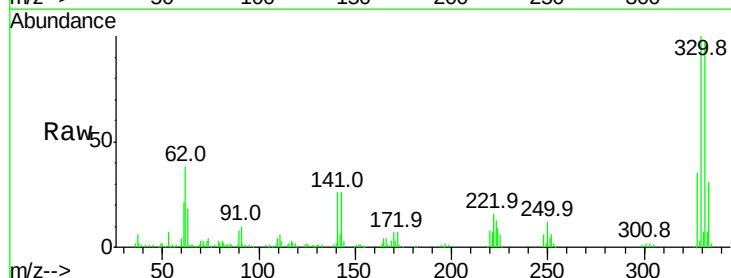
Tgt Ion:330 Resp: 116600

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

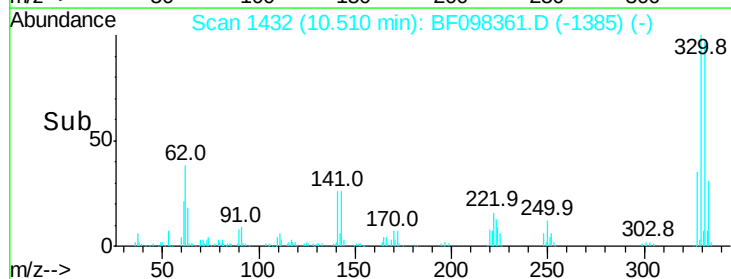
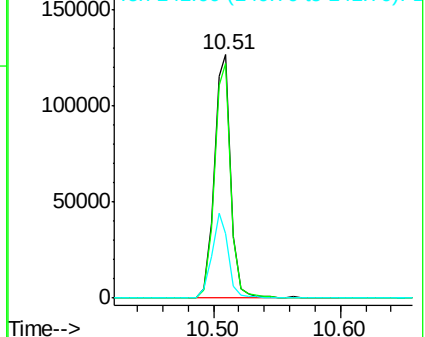
141 34.6 31.4 47.2

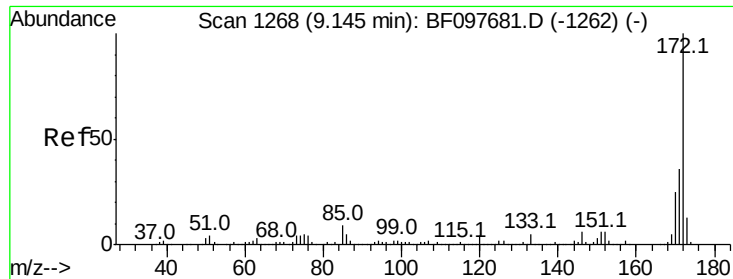


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

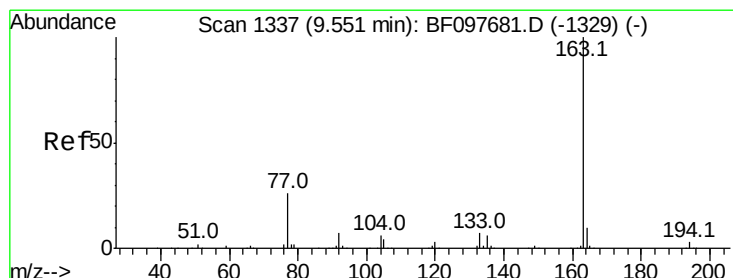
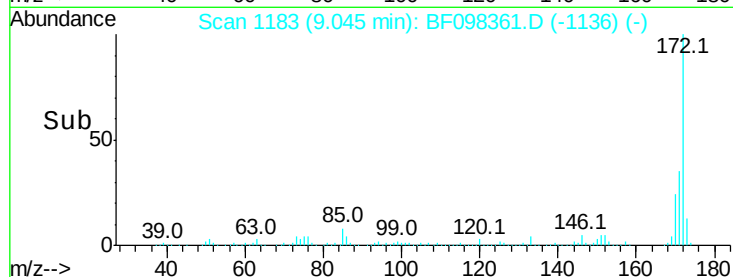
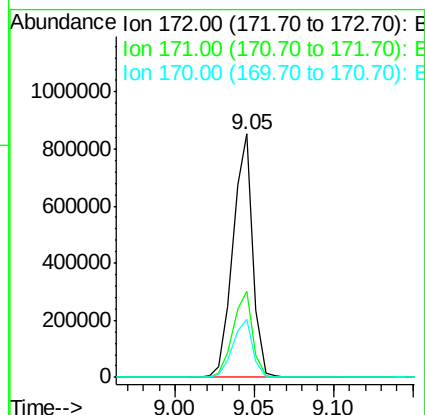
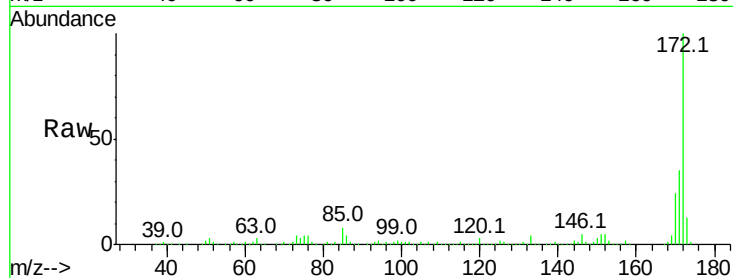




#44
 2-Fluorobiphenyl
 Concen: 72.088 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

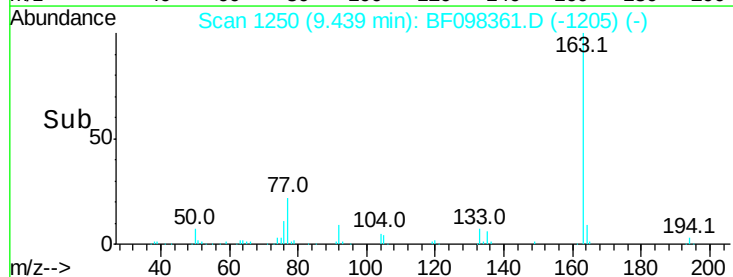
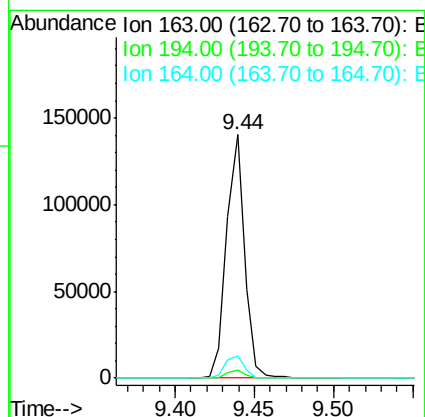
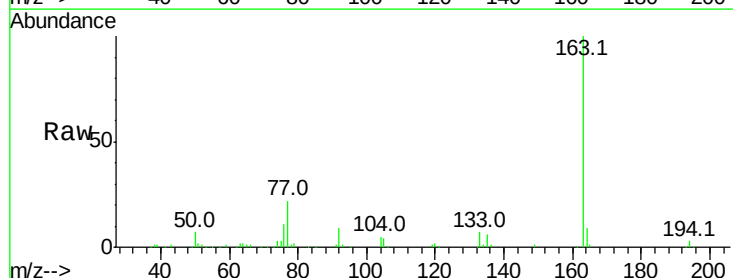
Instrument :
 BNA_F
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 TR-05-090617

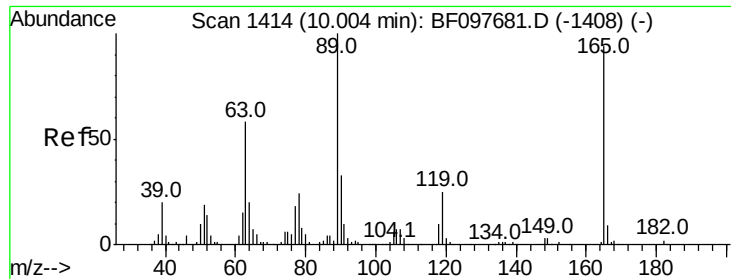
Tot Ion:172 Resp: 735103
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 10.138 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.04 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

Tgt Ion:163 Resp: 111021
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.0 8.4 12.6

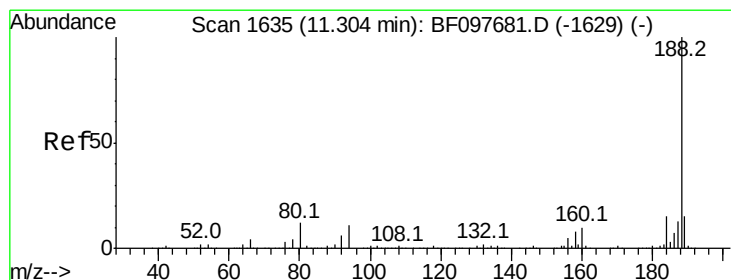
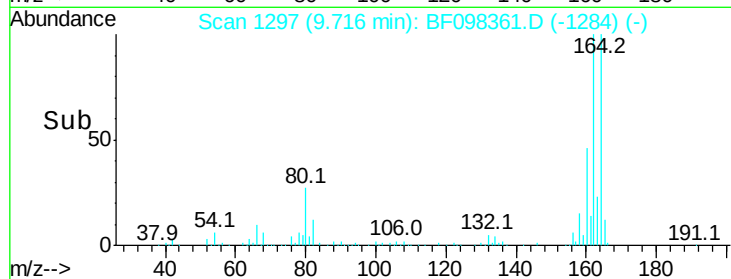
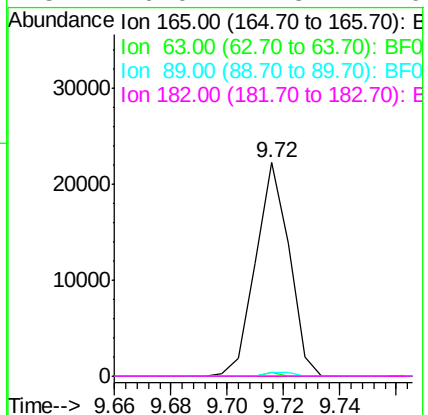
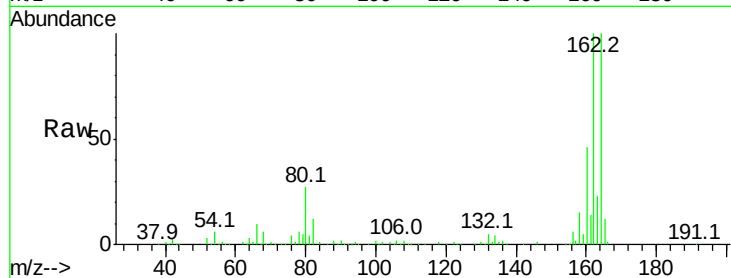




#56
 2,4-Dinitrotoluene
 Concen: 6.702 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

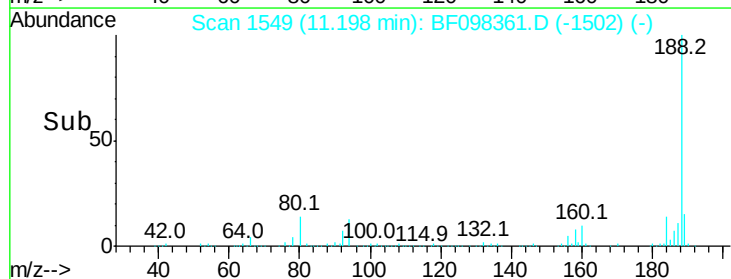
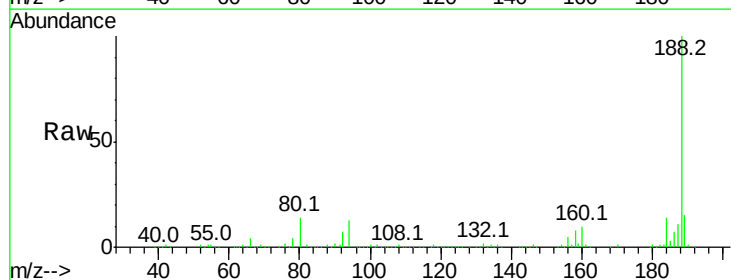
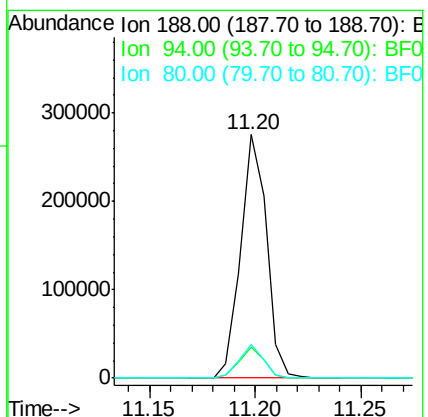
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-090617

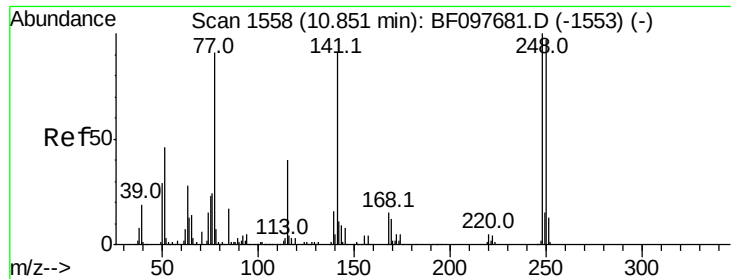
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	9.4	14.2
80	14.1	10.2	15.2

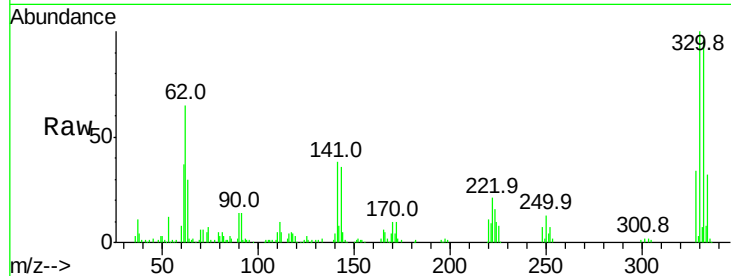




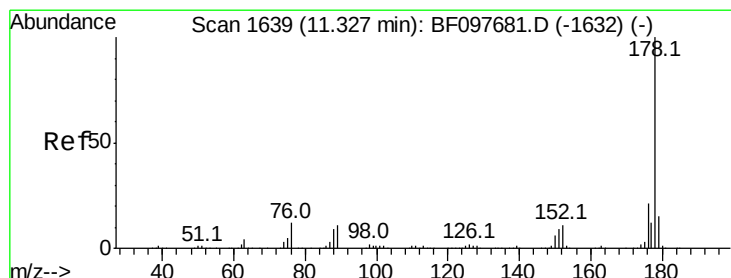
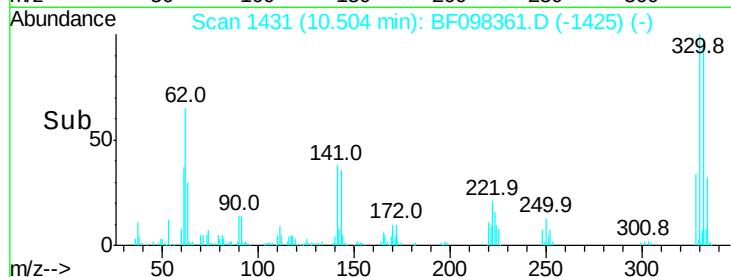
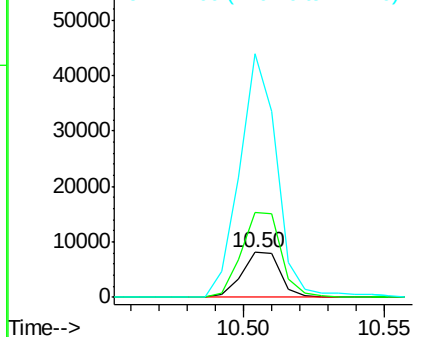
#66
 4-Bromophenyl-phenylether
 Concen: 3.164 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.26 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-090617

Tot Ion:248 Resp: 7700
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.8 115.2#
 141 540.5 68.6 103.0#

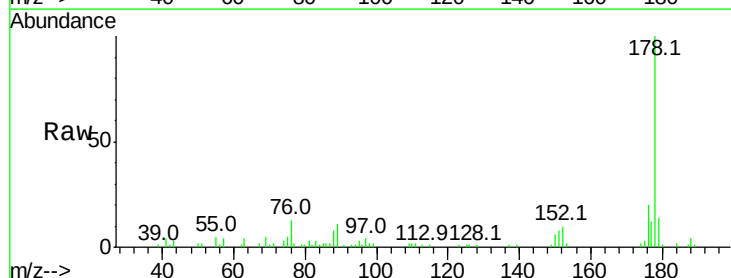


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

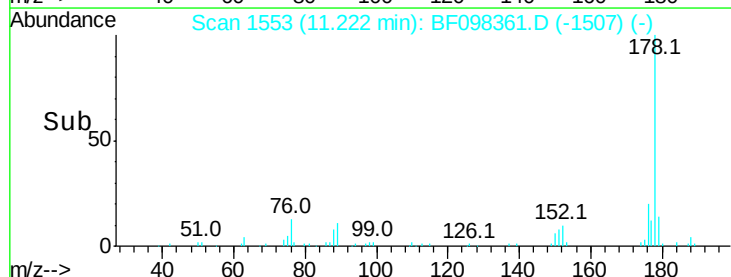
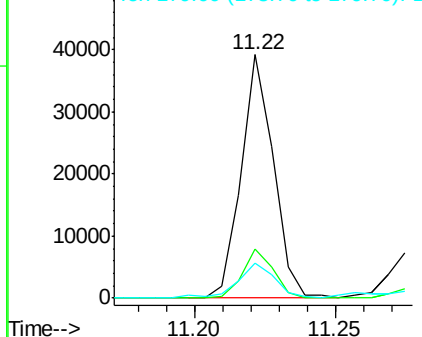


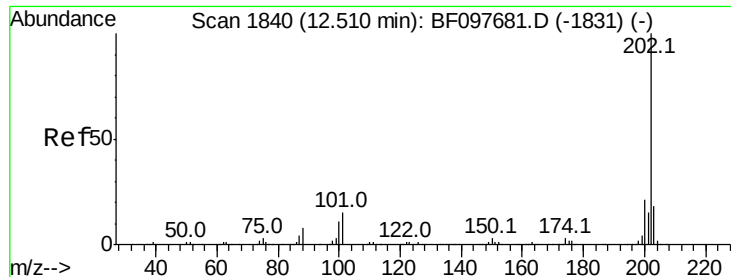
#70
 Phenanthrene
 Concen: 2.494 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.03 min
 Lab File: BF098361.D
 Acq: 8 Sep 2017 20:11

Tgt Ion:178 Resp: 31153
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.2 24.4
 179 14.3 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: 6.010 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TR-05-090617

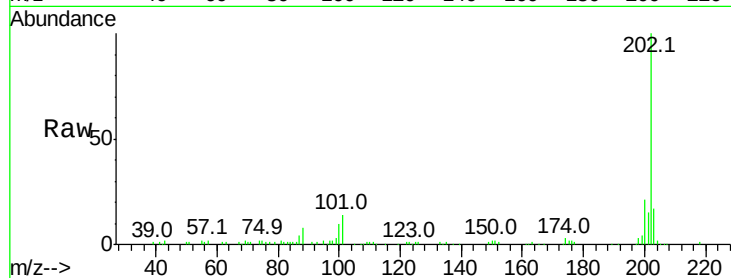
Tot Ion:202 Resp: 78353

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

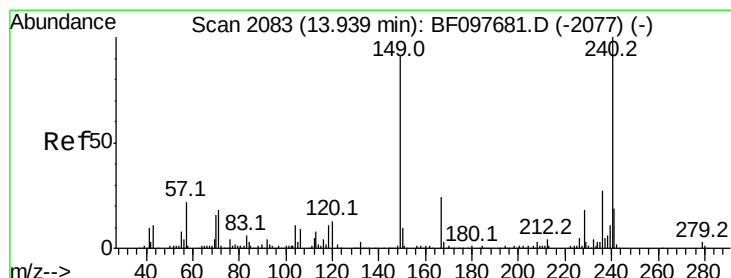
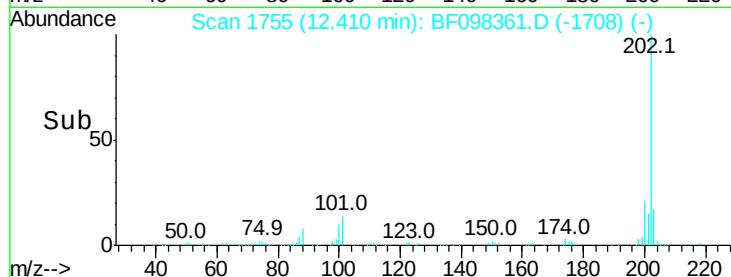
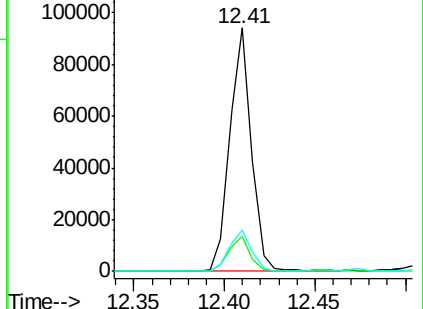
203 17.2 0.0 38.1



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: 13.83 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

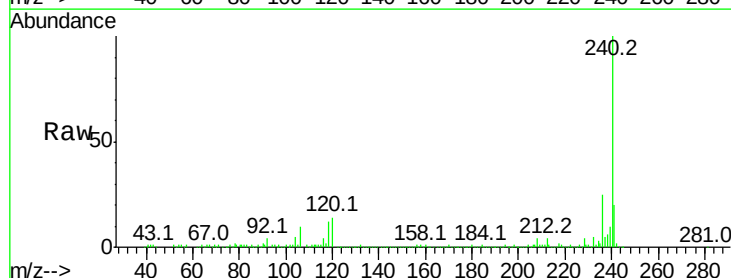
Tgt Ion:240 Resp: 241256

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

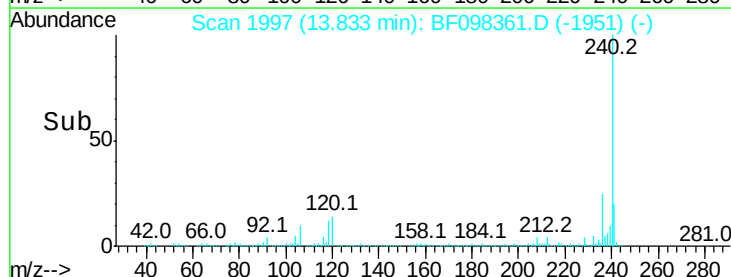
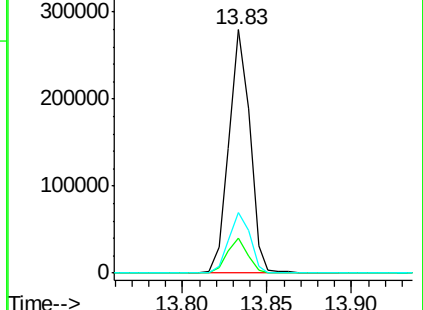
236 25.1 20.5 30.7

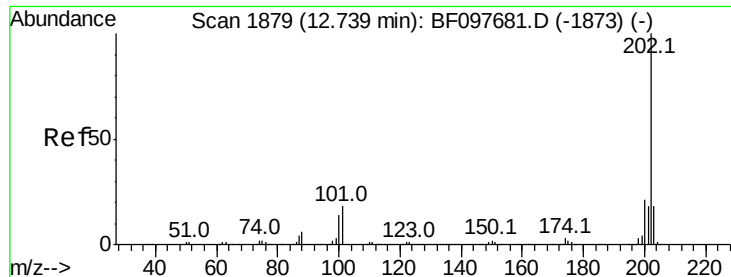


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.445 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.03 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TR-05-090617

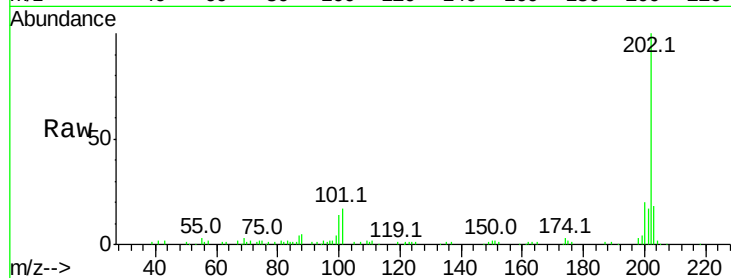
Tot Ion:202 Resp: 67986

Ion Ratio Lower Upper

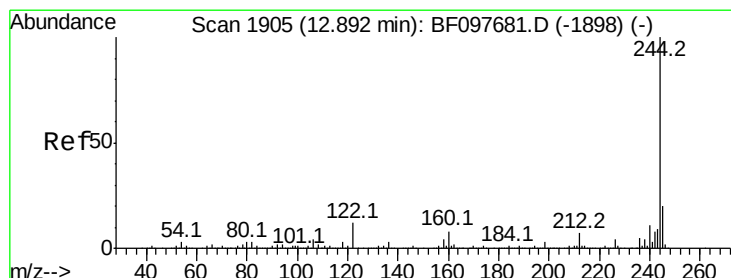
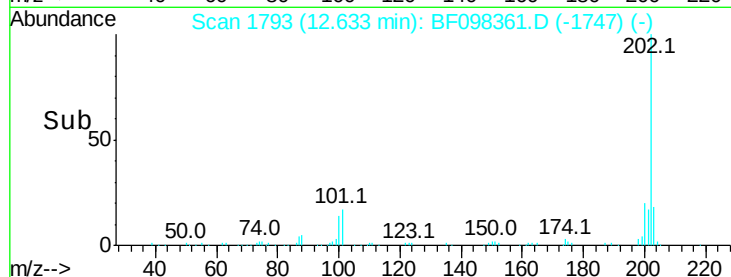
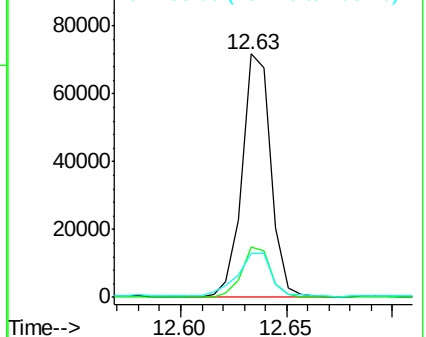
202 100

200 20.4 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: 42.681 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

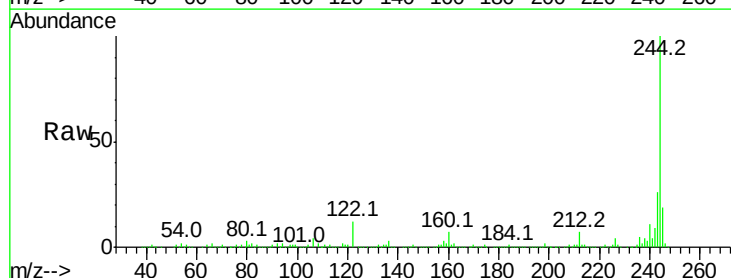
Tgt Ion:244 Resp: 493781

Ion Ratio Lower Upper

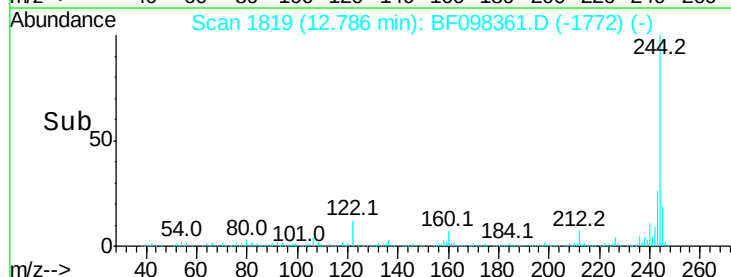
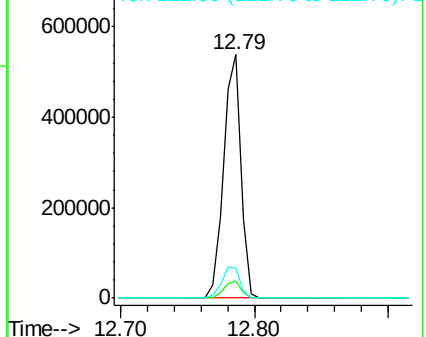
244 100

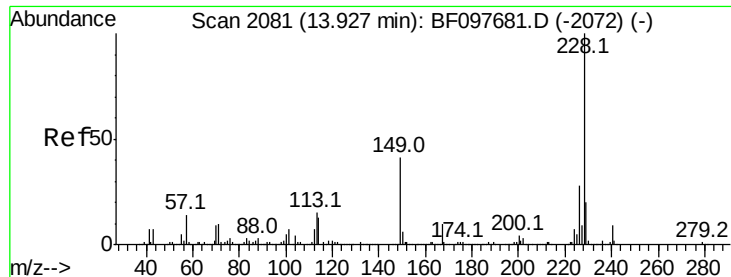
212 7.0 6.0 9.0

122 12.3 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: 2.600 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.03 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

Instrument :

BNA_F

ClientSampleId :

TR-05-090617

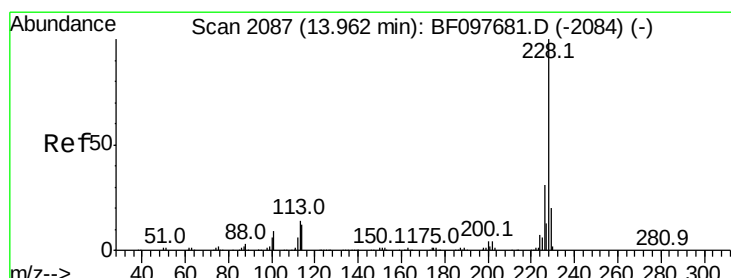
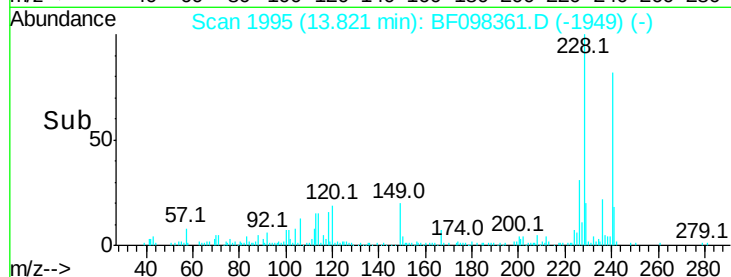
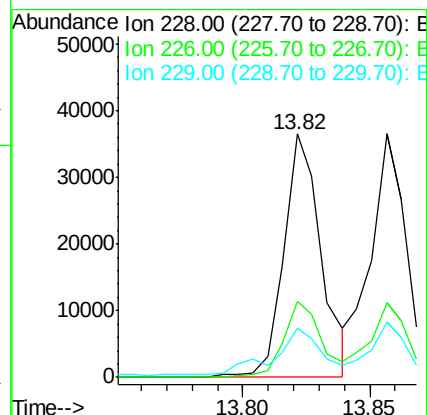
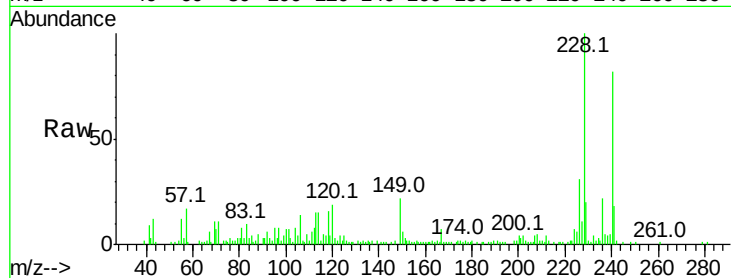
Tot Ion:228 Resp: 37588

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

229 20.3 16.3 24.5



#82

Chrysene

Concen: 2.500 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098361.D

Acq: 8 Sep 2017 20:11

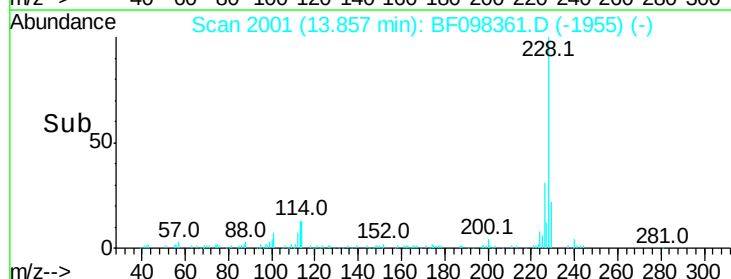
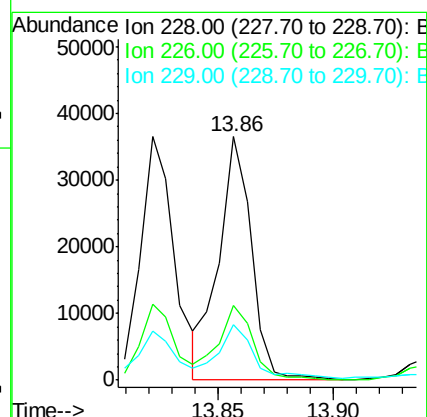
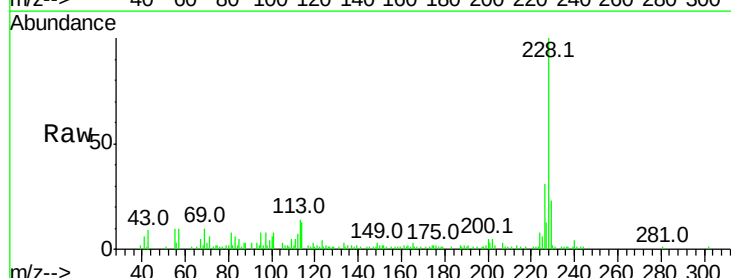
Tgt Ion:228 Resp: 35958

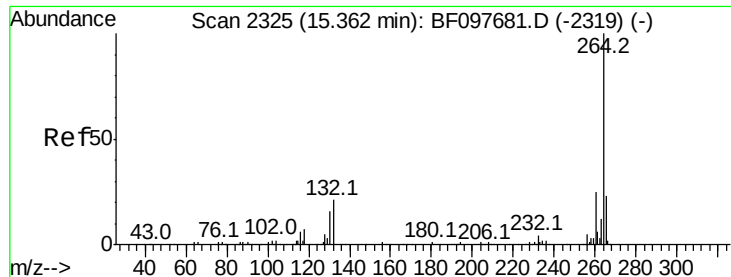
Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

229 22.9 15.8 23.6

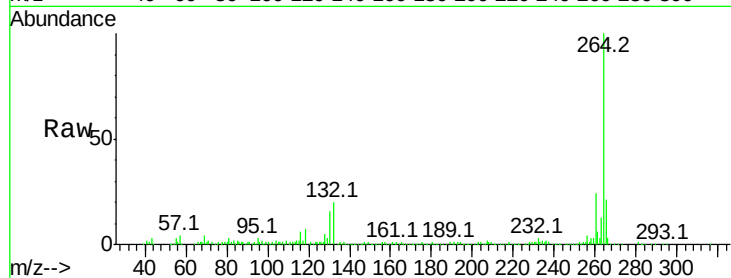




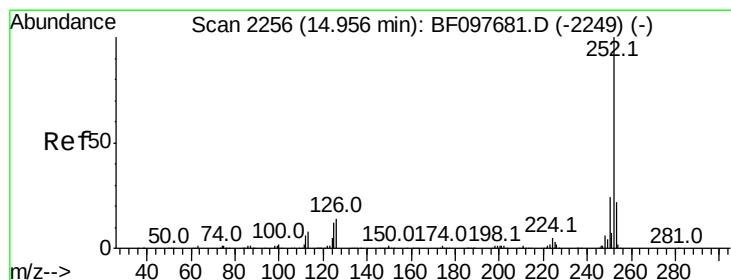
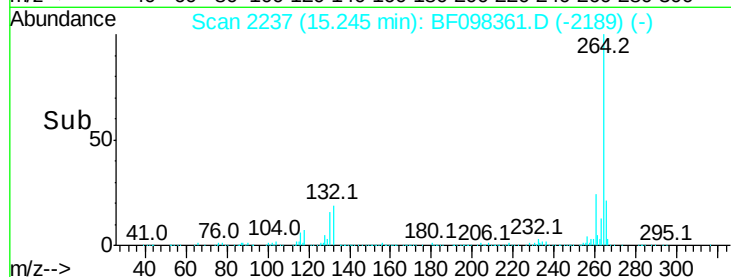
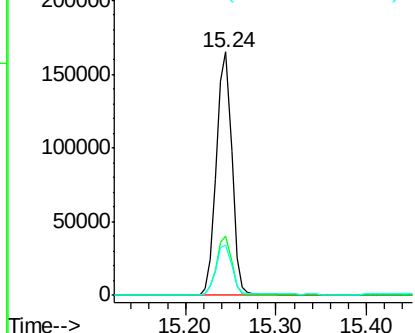
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TR-05-090617

Tot Ion:264 Resp: 196922
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 20.8 17.2 25.8

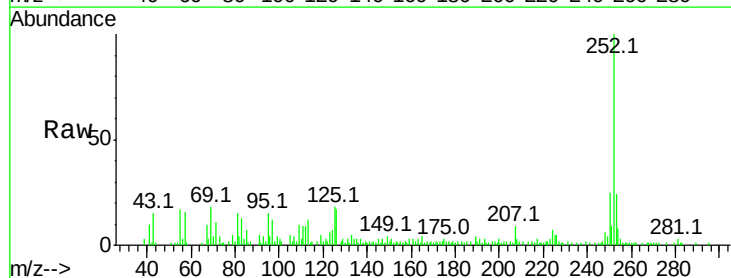


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

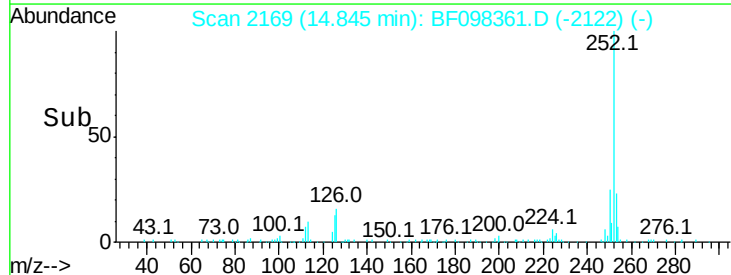
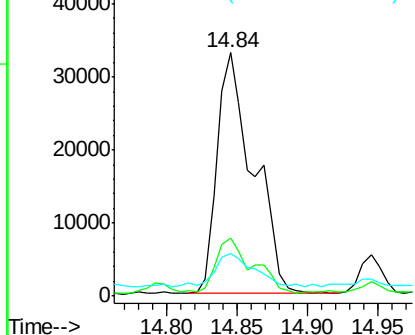


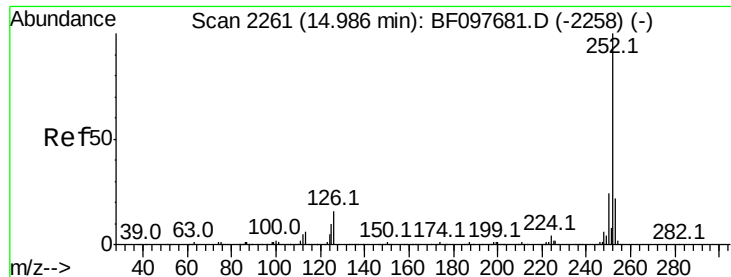
#87
Benzo(b)fluoranthene
Concen: 4.783 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Tgt Ion:252 Resp: 59368
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 17.6 9.8 14.8#



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

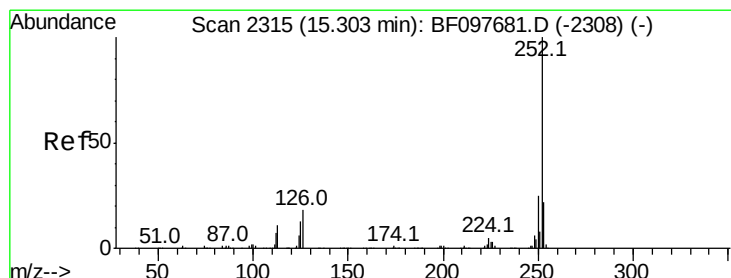
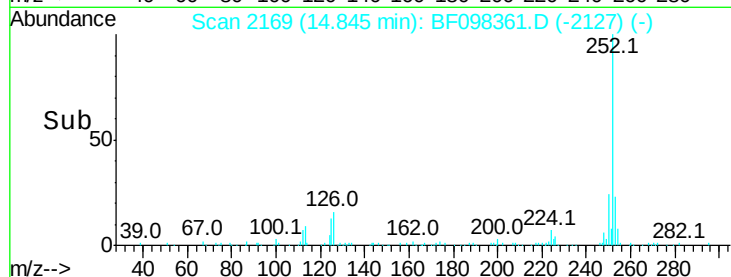
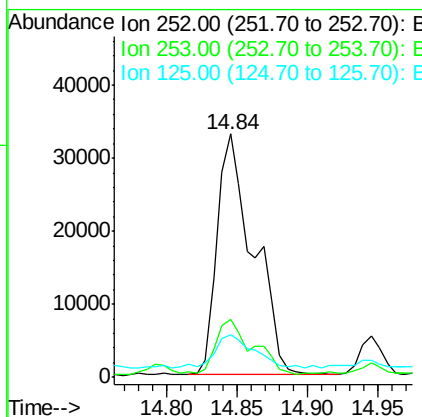
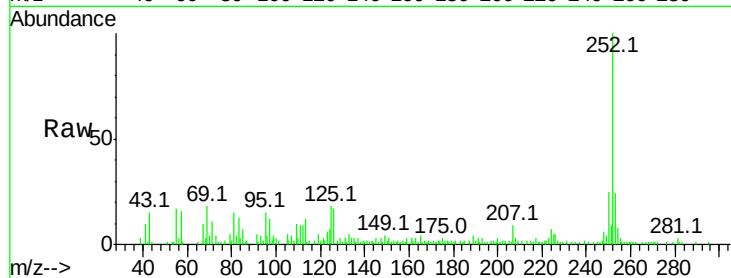




#88
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.05 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Instrument :
BNA_F
ClientSampleId :
TR-05-090617

Tot Ion:252	Resp:	59368
Ion Ratio	Lower	Upper
252	100	
253	23.9	18.4 27.6
125	17.6	13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.577 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF098361.D
Acq: 8 Sep 2017 20:11

Tgt Ion:252	Resp:	28323
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.5 26.3
125	17.7	11.0 16.4#

