

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097408.D
 Acq On : 5 Aug 2017 20:19
 Operator : SJ/JU
 Sample : I4611-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:11:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

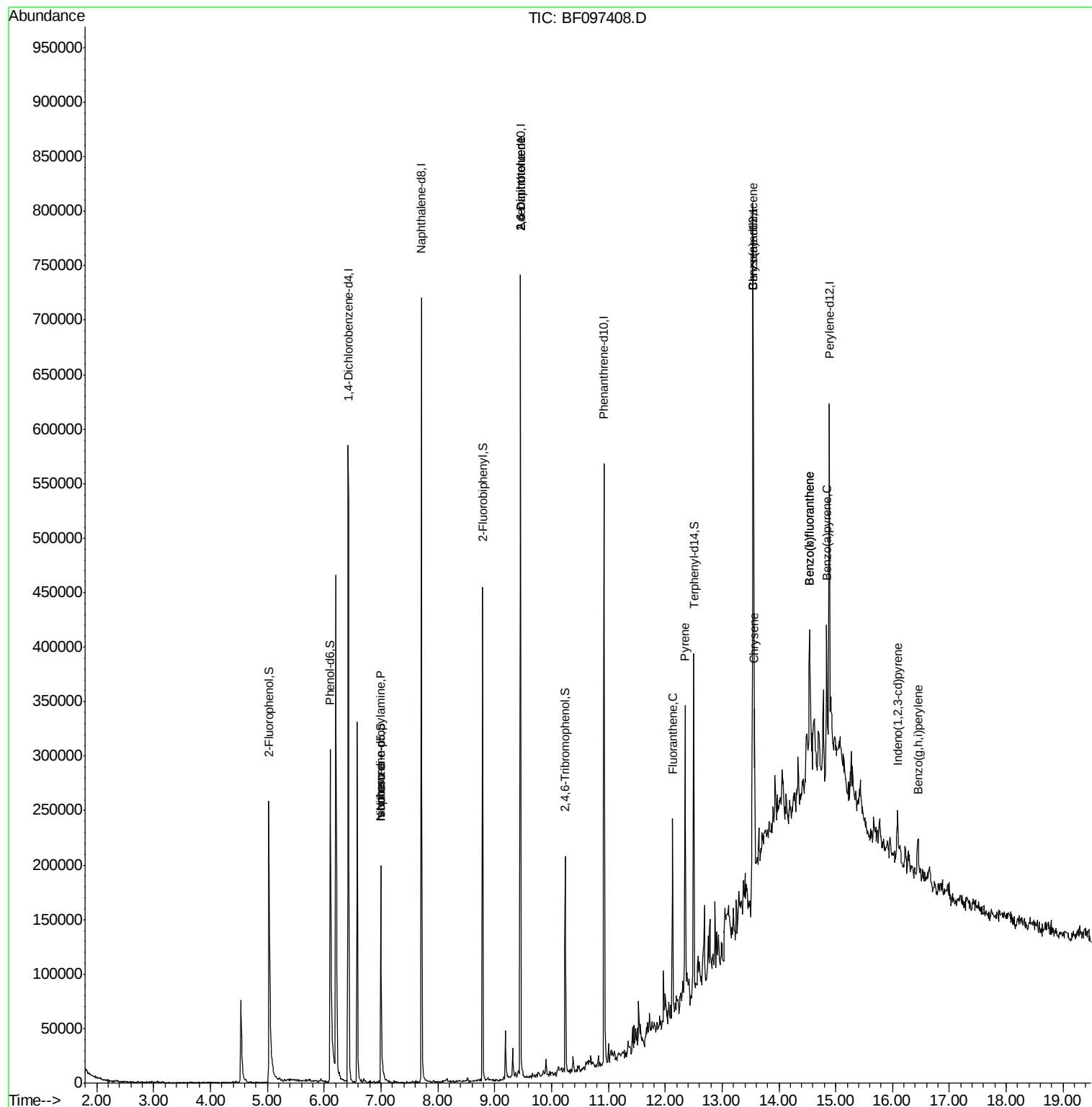
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	94555	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	338394	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	132522	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	188505	20.00	ng	-0.08
75) Chrysene-d12	13.55	240	176204	20.00	ng	-0.08
86) Perylene-d12	14.89	264	119125	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	128559	20.50	ng	-0.07
7) Phenol-d6	6.10	99	175602	24.52	ng	-0.06
23) Nitrobenzene-d5	7.00	82	73612	12.76	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	20888	19.95	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	135153	17.31	ng	-0.08
78) Terphenyl-d14	12.50	244	93647	10.84	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.00	70	10368	2.20	ng	# 87
25) Isophorone	7.00	82	73611	6.52	ng	# 67
50) 2,6-Dinitrotoluene	9.45	165	17564	8.23	ng	# 33
56) 2,4-Dinitrotoluene	9.45	165	17564	7.16	ng	# 32
74) Fluoranthene	12.13	202	64105	6.48	ng	99
77) Pyrene	12.35	202	94104	6.52	ng	99
80) Benzo(a)anthracene	13.54	228	61215	5.37	ng	96
82) Chrysene	13.57	228	57610	5.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.09	276	19444	2.04	ng	93
87) Benzo(b)fluoranthene	14.54	252	68212	9.53	ng	# 91
88) Benzo(k)fluoranthene	14.54	252	68212	10.00	ng	95
89) Benzo(a)pyrene	14.84	252	39340	6.00	ng	# 91
91) Benzo(a,h,i)perylene	16.44	276	22871	4.06	ng	97

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

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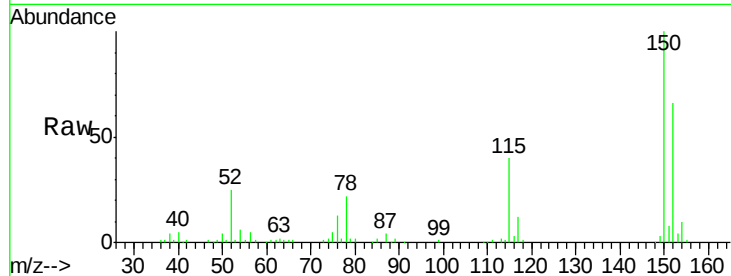


#1

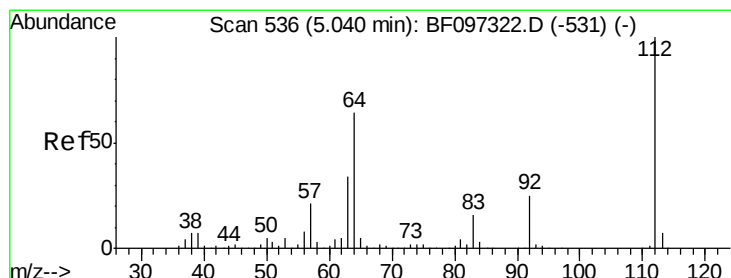
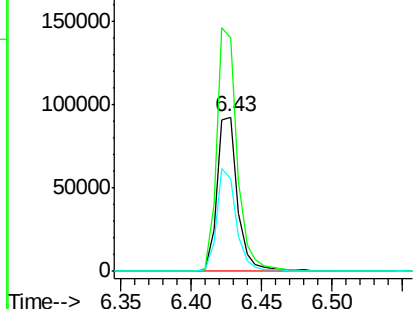
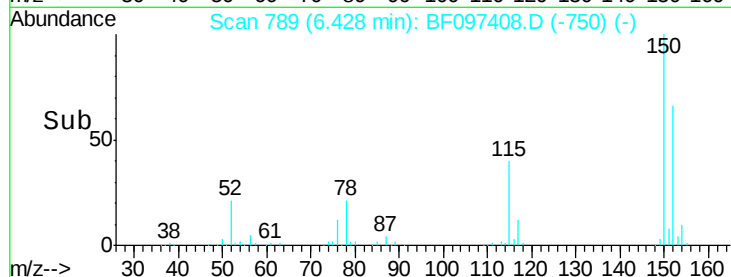
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94555
Ion Ratio Lower Upper
152 100
150 151.2 126.2 189.2
115 60.4 52.2 78.2



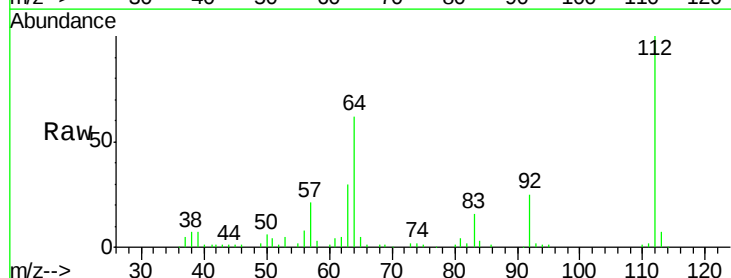
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



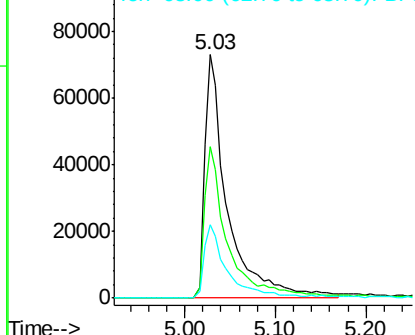
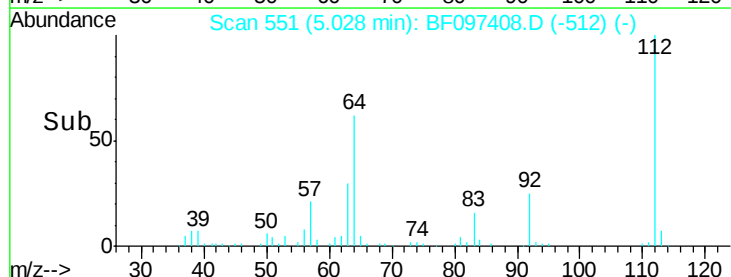
#5

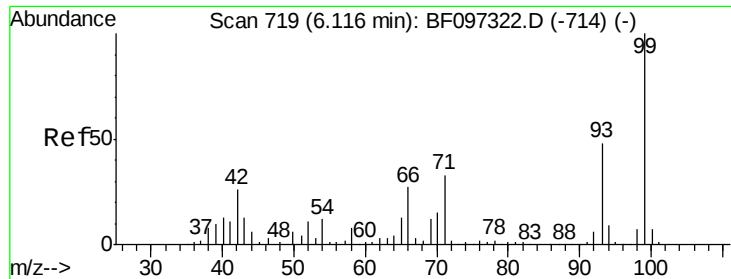
2-Fluorophenol
Concen: 20.50 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion:112 Resp: 128559
Ion Ratio Lower Upper
112 100
64 62.1 46.0 69.0
63 30.1 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: 24.52 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampled :

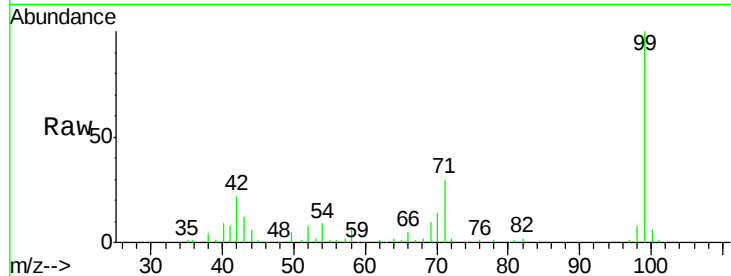
Tot Ion: 99 Resp: 175602

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

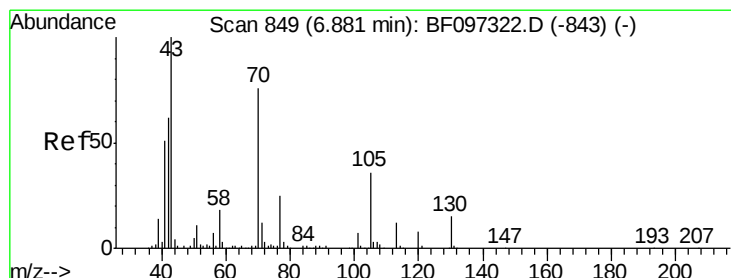
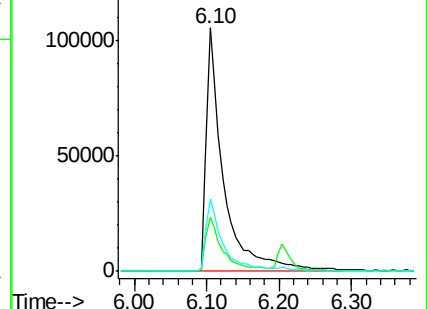
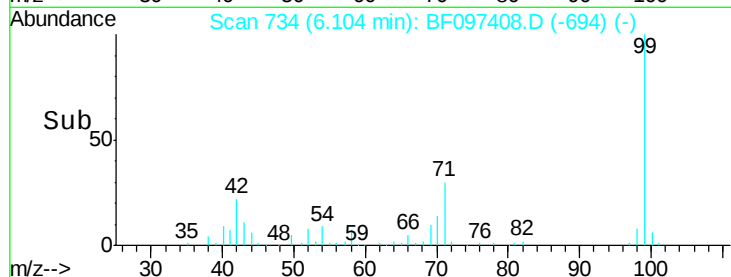
71 29.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.20 ng

RT: 7.00 min Scan# 886

Delta R.T. 0.06 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Tgt Ion: 70 Resp: 10368

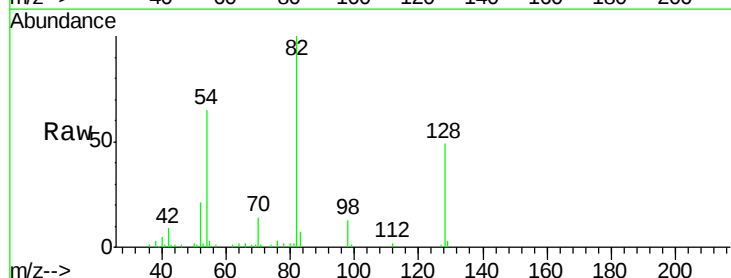
Ion Ratio Lower Upper

70 100

42 59.7 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

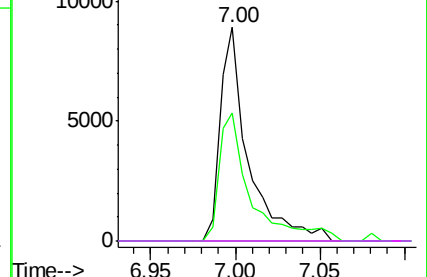
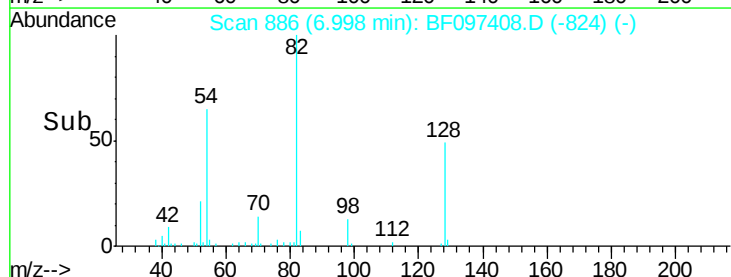


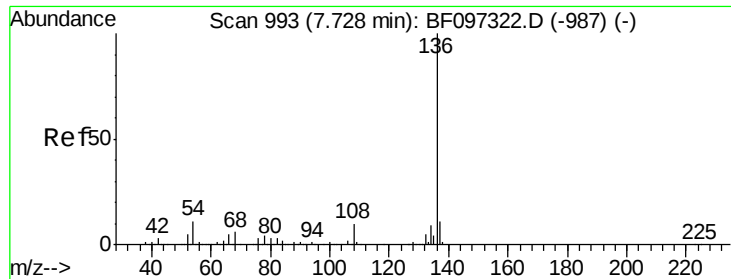
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.71 min Scan# 1007

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 338394

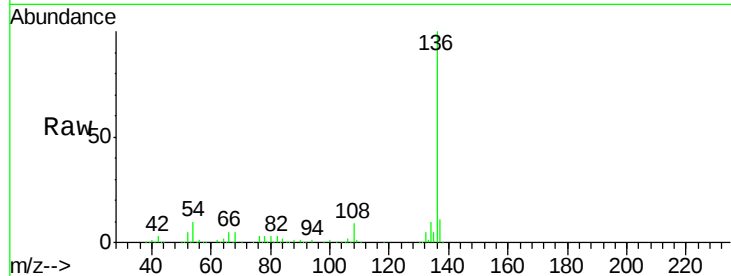
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.6 4.9 7.3#

68 4.9 4.1 6.1

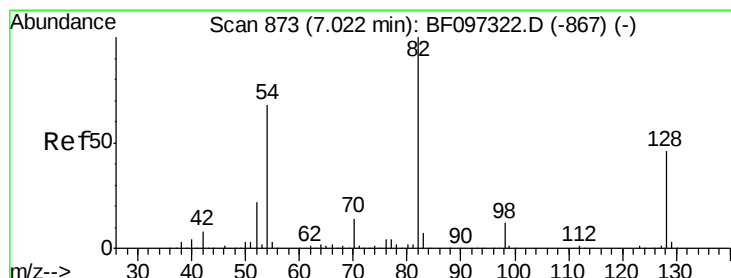
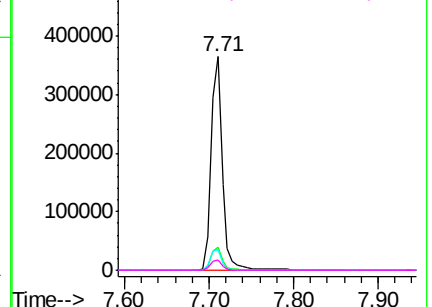
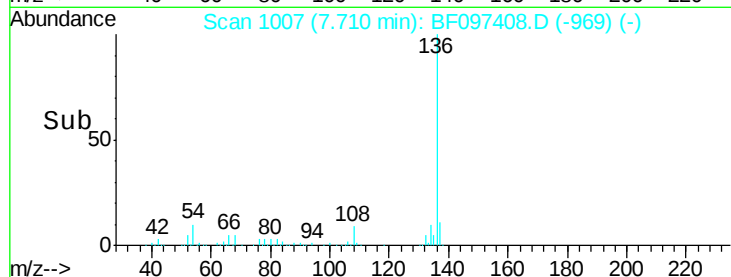


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 12.76 ng

RT: 7.00 min Scan# 886

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

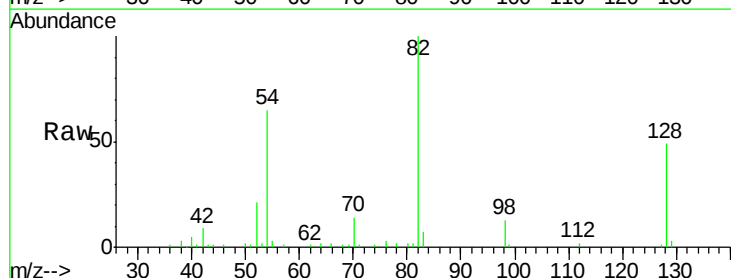
Tgt Ion: 82 Resp: 73612

Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

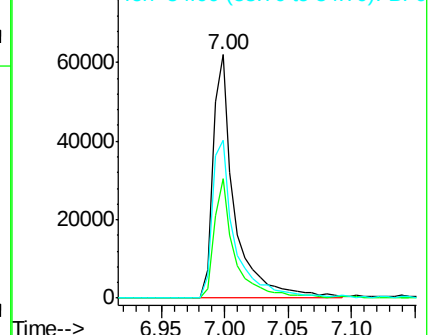
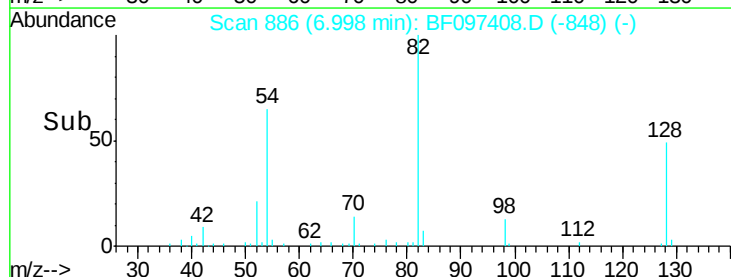
54 64.8 42.2 63.2#

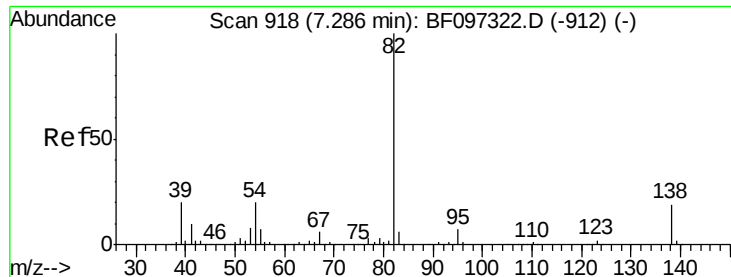


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.52 ng

RT: 7.00 min Scan# 886

Delta R.T. -0.34 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampleId :

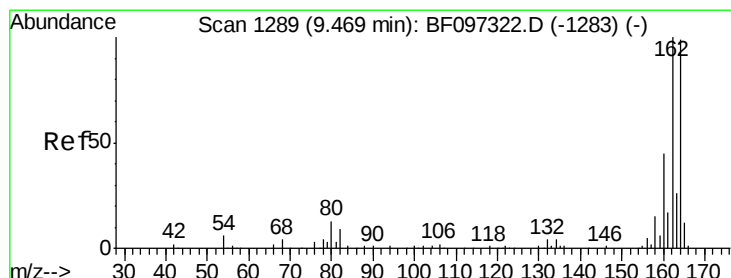
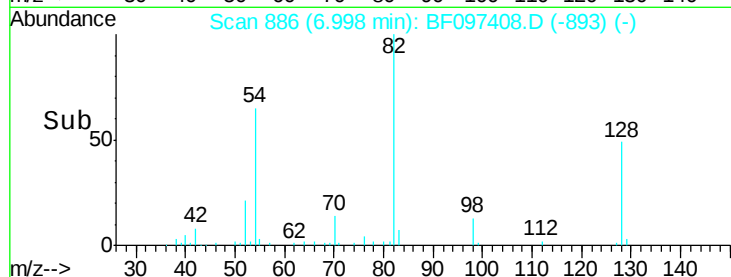
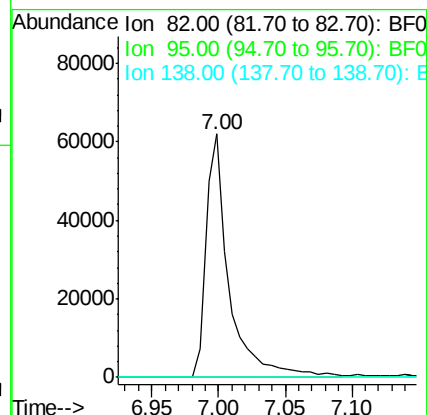
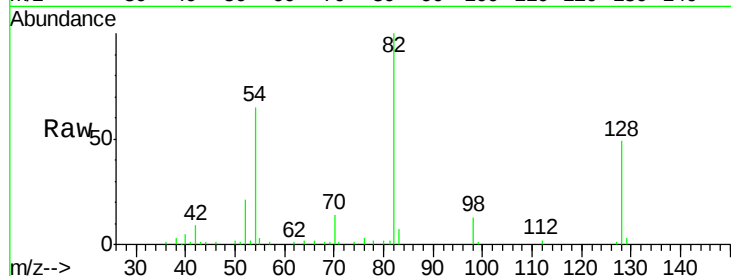
Tot Ion: 82 Resp: 73611

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: 9.45 min Scan# 1303

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

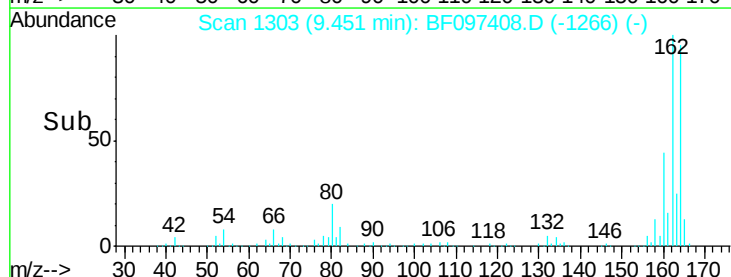
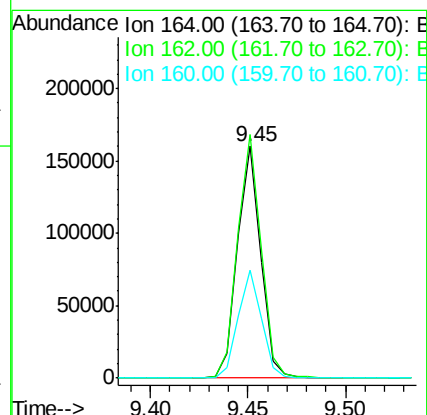
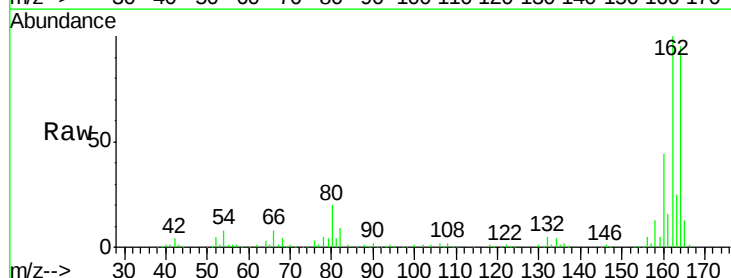
Tgt Ion:164 Resp: 132522

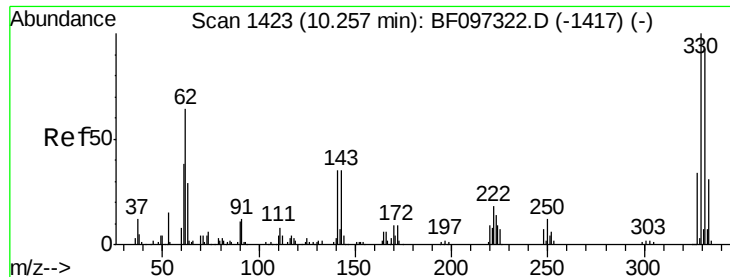
Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

160 46.6 36.2 54.2

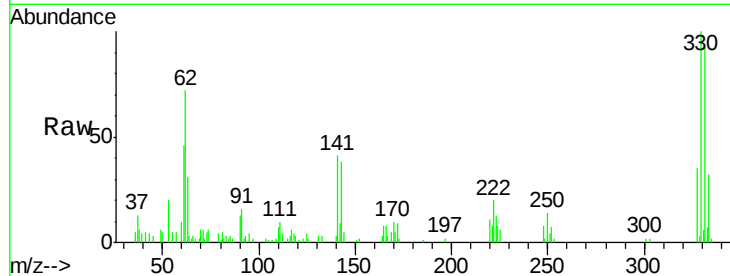




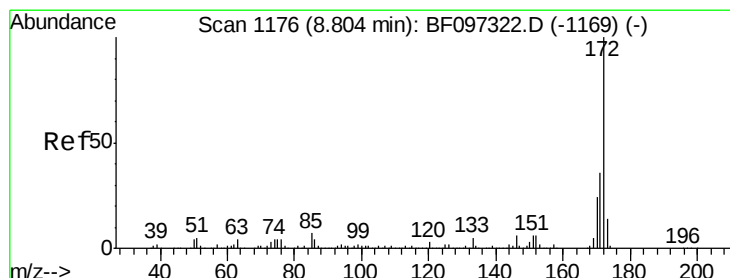
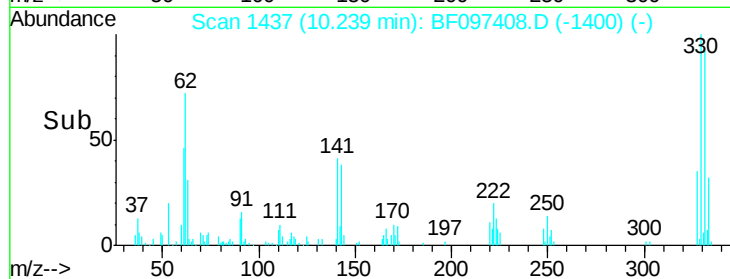
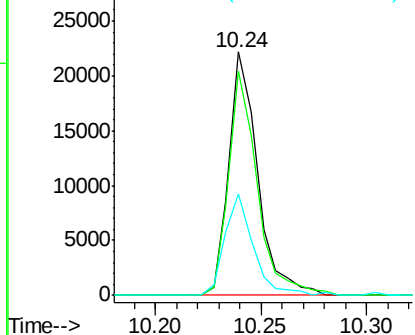
#41
 2,4,6-Tribromophenol
 Concen: 19.95 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 20888
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.6 115.0
 141 41.4 31.4 47.2

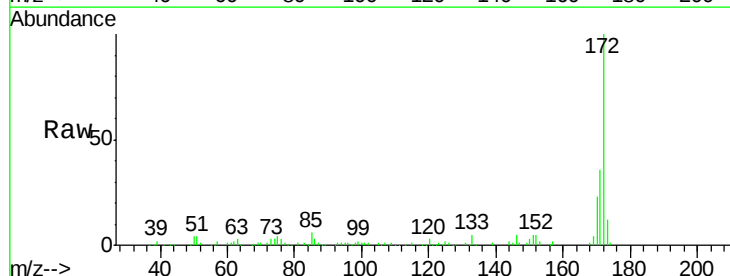


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

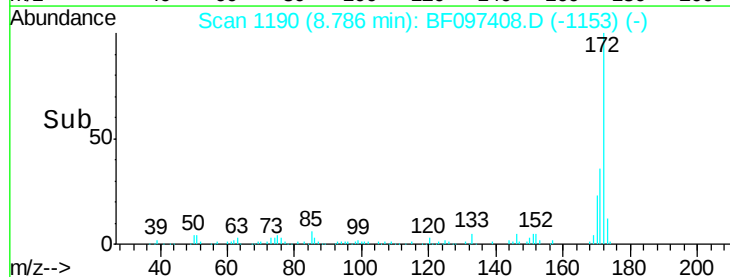
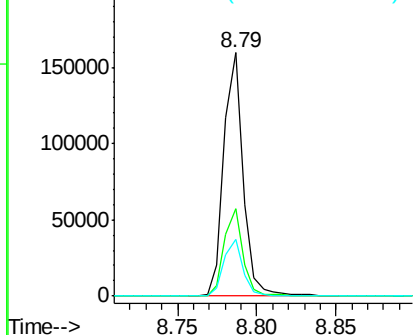


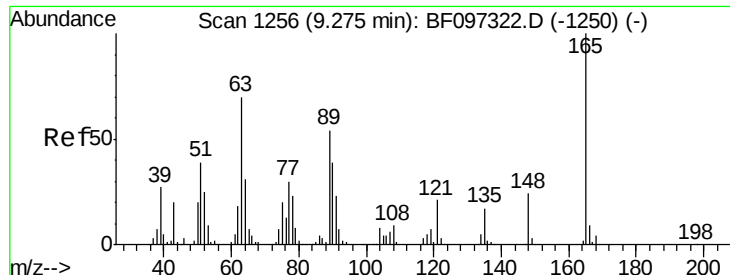
#44
 2-Fluorobiphenyl
 Concen: 17.31 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Tgt Ion:172 Resp: 135153
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.3 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

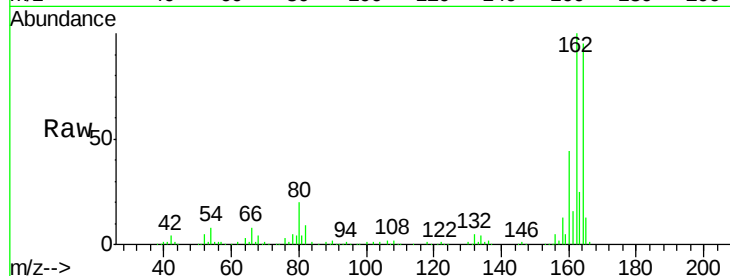




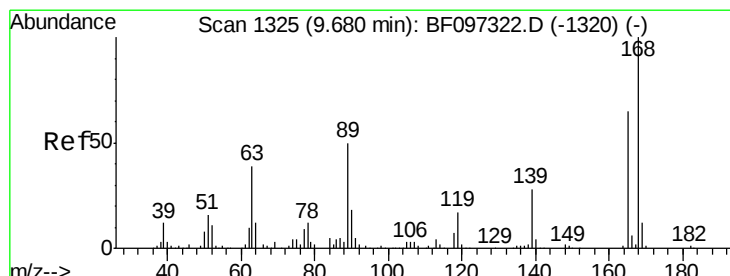
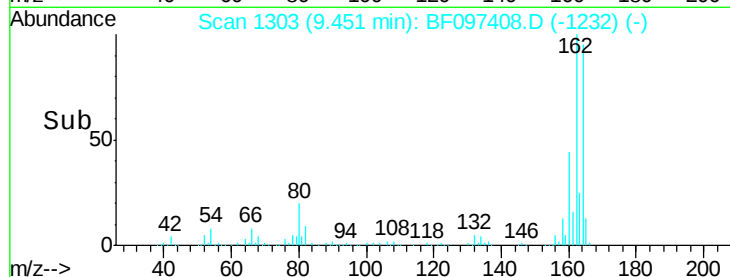
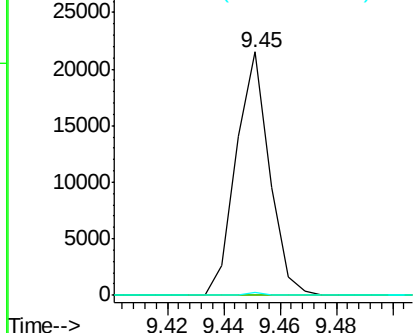
#50
 2,6-Dinitrotoluene
 Concen: 8.23 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. 0.12 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.5	37.1	55.7#



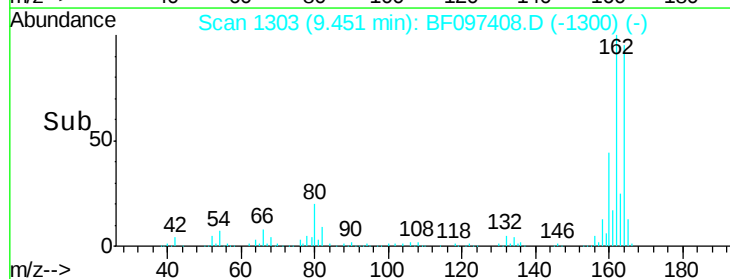
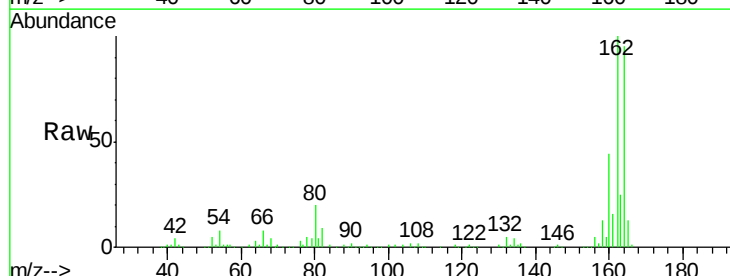
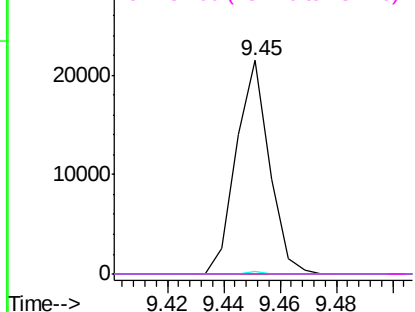
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

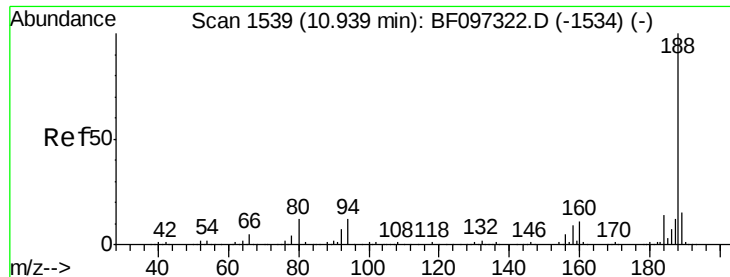


#56
 2,4-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.28 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

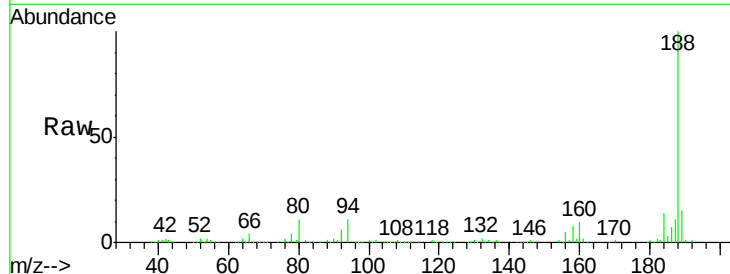




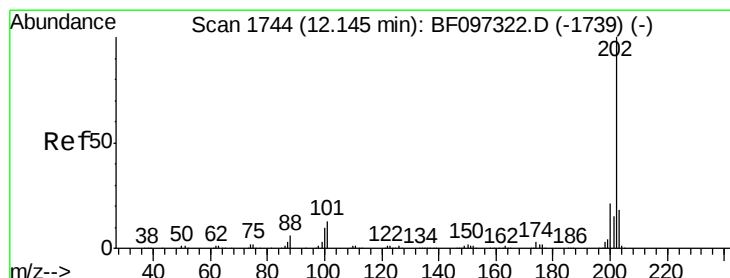
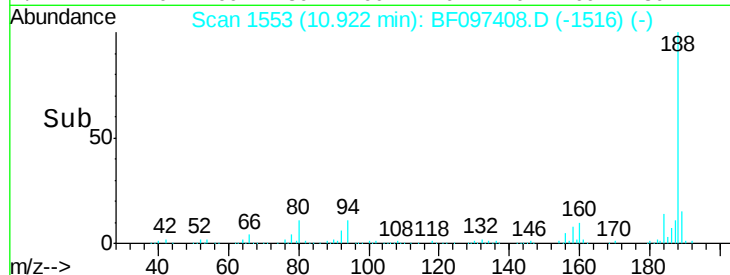
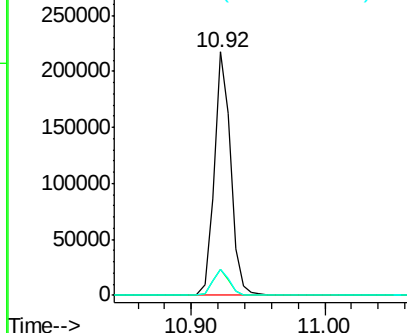
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 188505
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 10.9 10.2 15.2

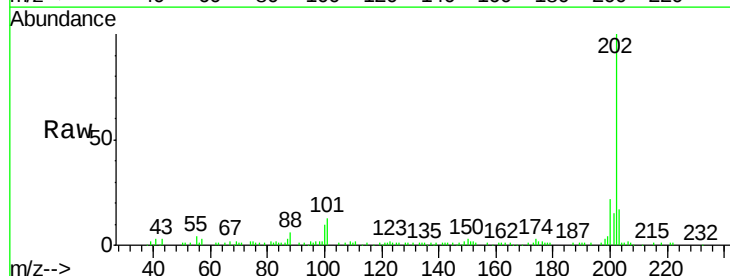


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

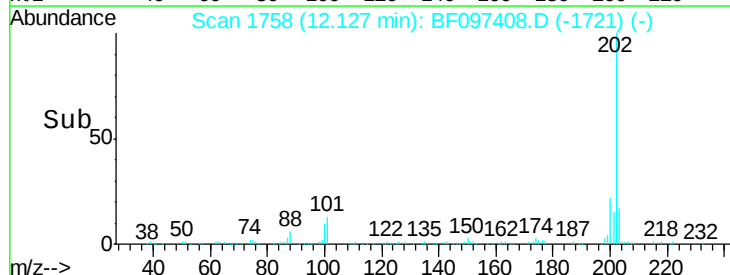
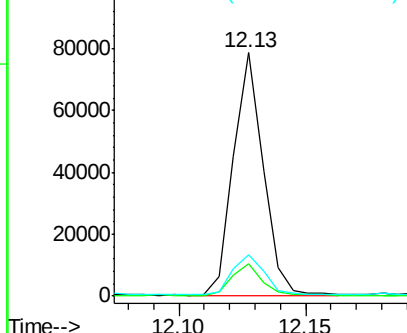


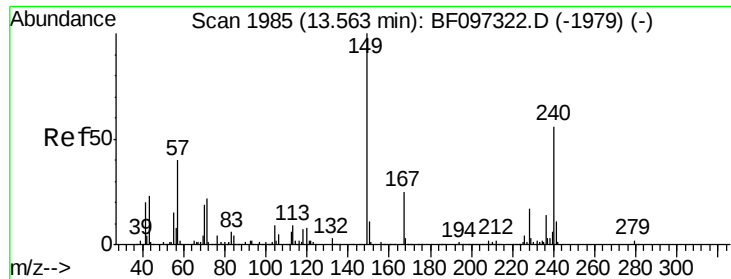
#74
Fluoranthene
Concen: 6.48 ng
RT: 12.13 min Scan# 1758
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion:202 Resp: 64105
Ion Ratio Lower Upper
202 100
101 13.2 0.0 33.2
203 17.0 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampled :

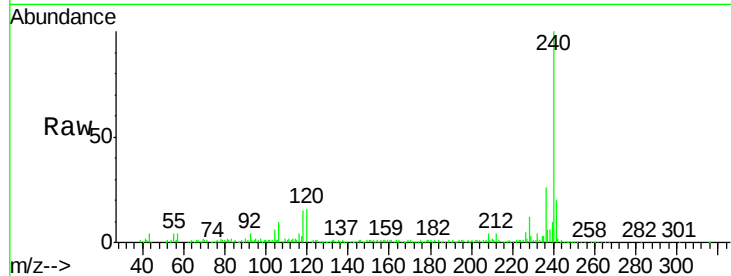
Tot Ion:240 Resp: 176204

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

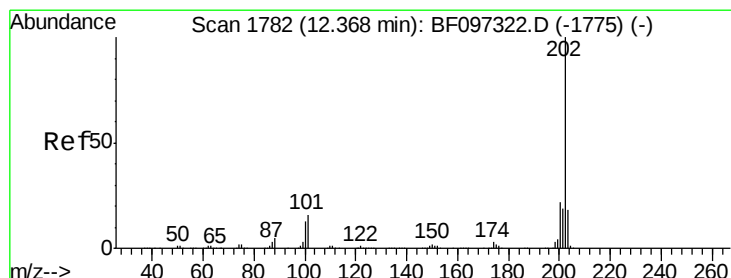
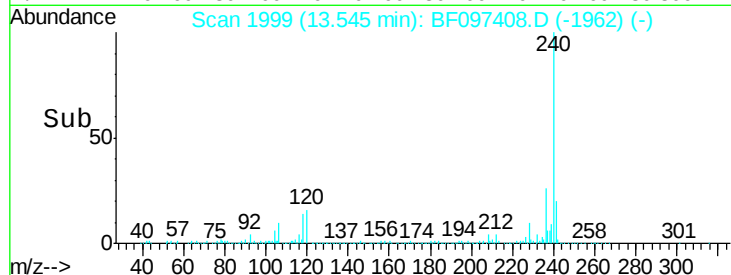
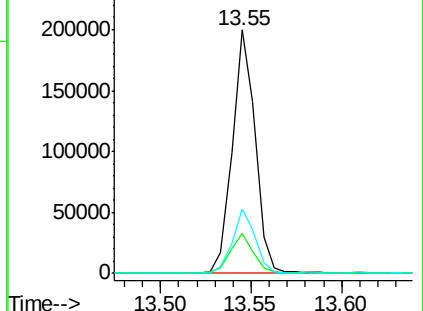
236 26.5 20.5 30.7



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

Pyrene

Concen: 6.52 ng

RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

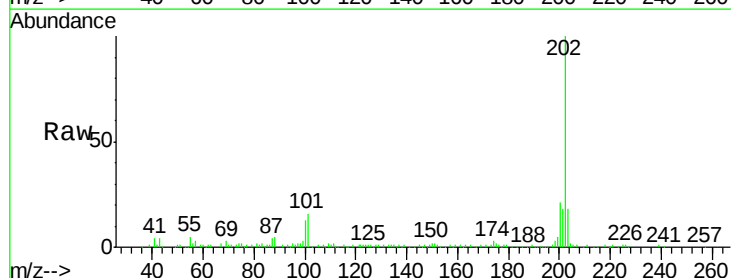
Tgt Ion:202 Resp: 94104

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

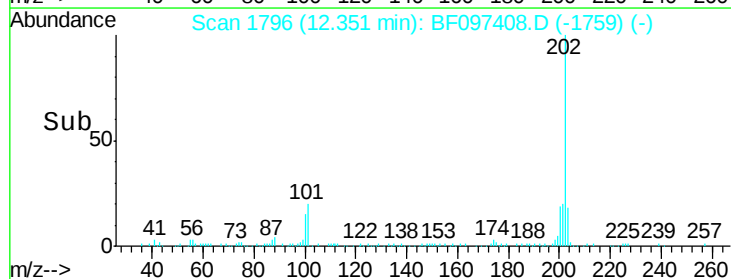
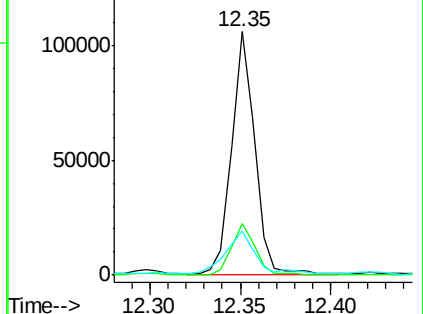
203 18.3 14.4 21.6

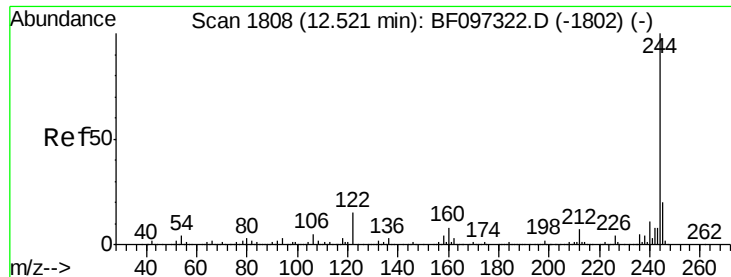


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.84 ng

RT: 12.50 min Scan# 1822

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampleId :

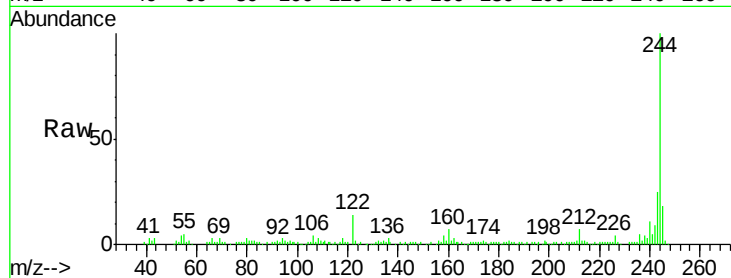
Tot Ion:244 Resp: 93647

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

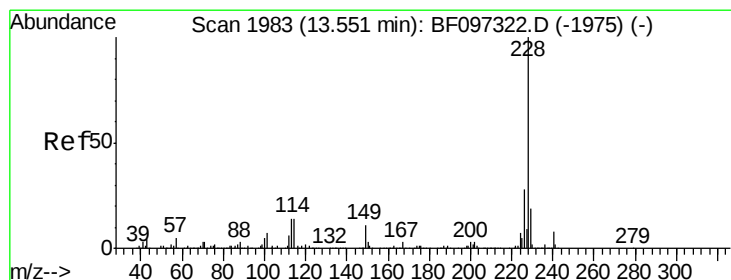
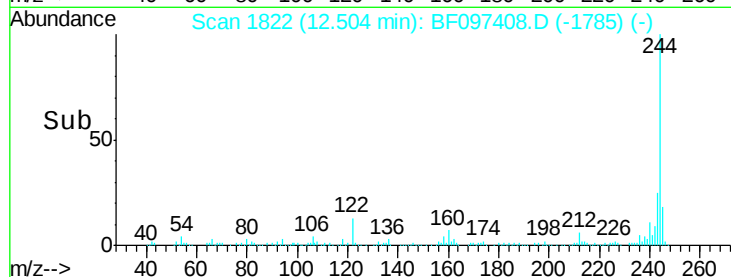
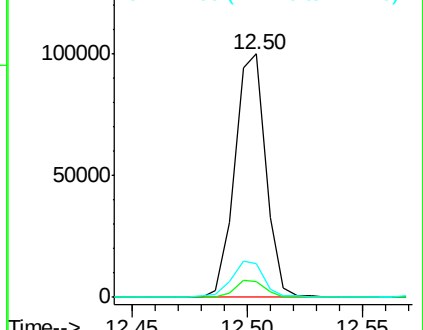
122 13.7 10.3 15.5



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: 5.37 ng

RT: 13.54 min Scan# 1998

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

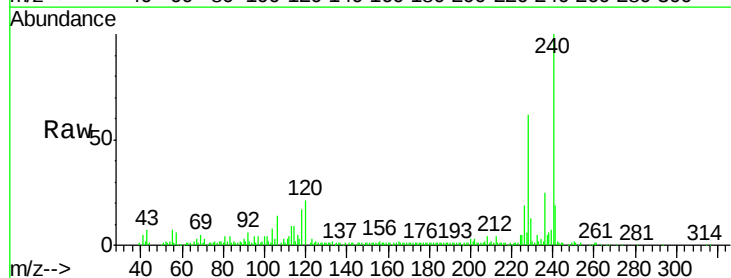
Tgt Ion:228 Resp: 61215

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

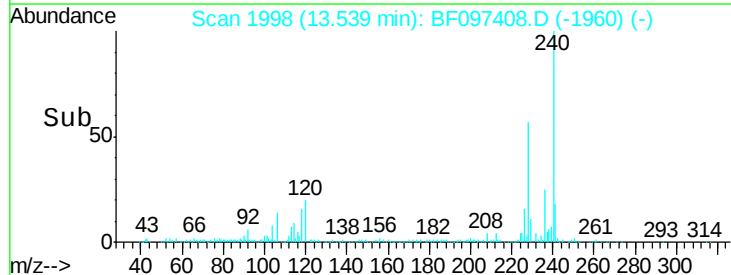
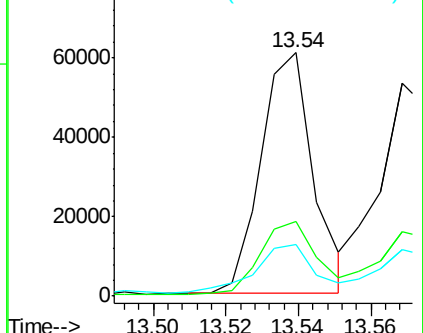
229 21.3 16.3 24.5

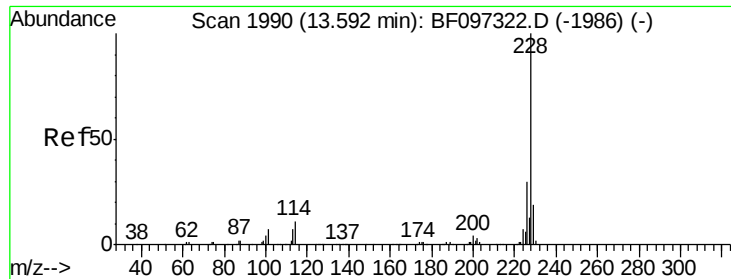


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.17 ng

RT: 13.57 min Scan# 2003

Delta R.T. -0.09 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampled :

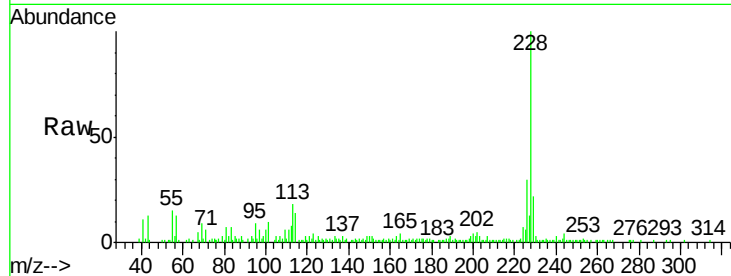
Tot Ion:228 Resp: 57610

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

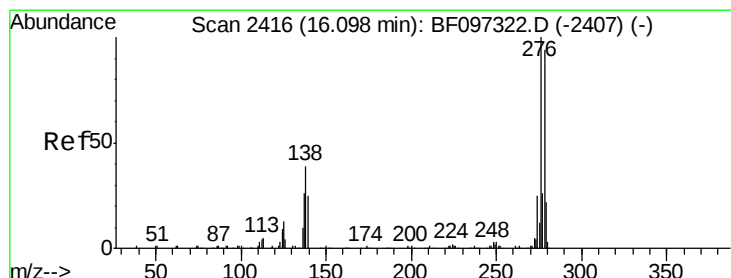
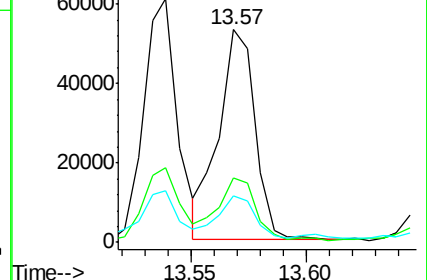
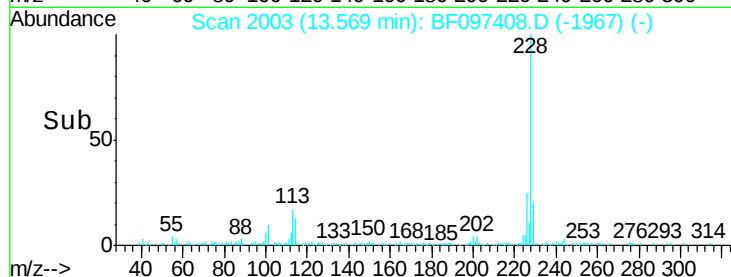
229 22.0 15.8 23.6



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: 2.04 ng

RT: 16.09 min Scan# 2431

Delta R.T. -0.12 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

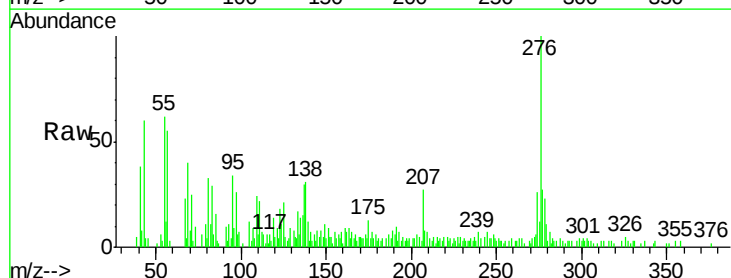
Tgt Ion:276 Resp: 19444

Ion Ratio Lower Upper

276 100

138 29.9 27.8 41.6

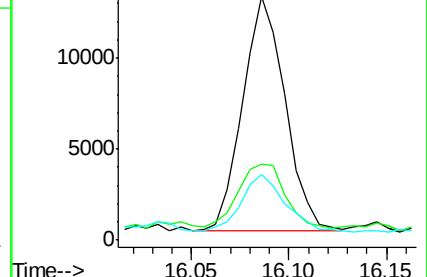
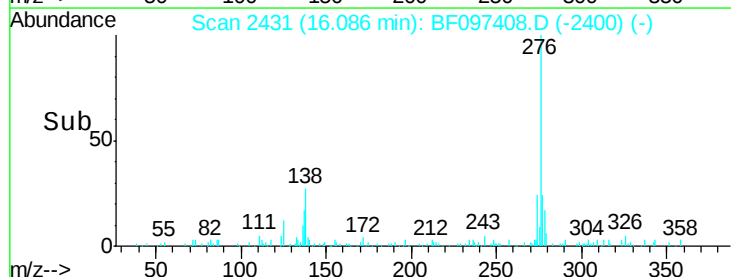
277 27.5 20.2 30.4

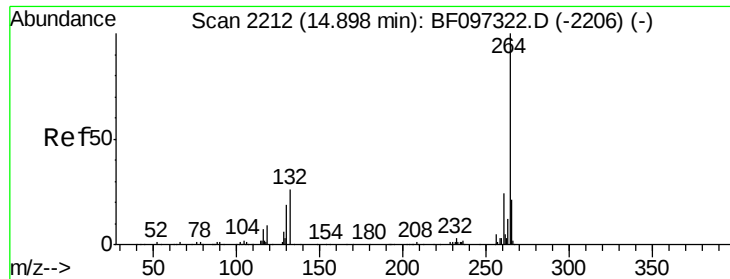


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

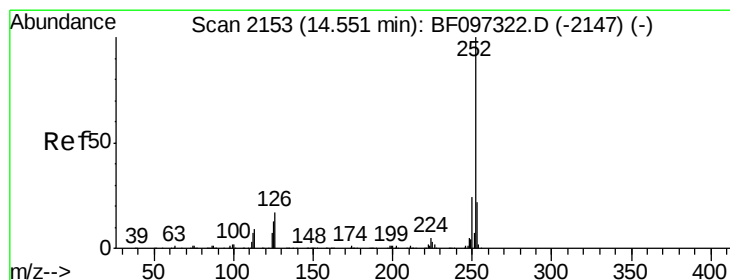
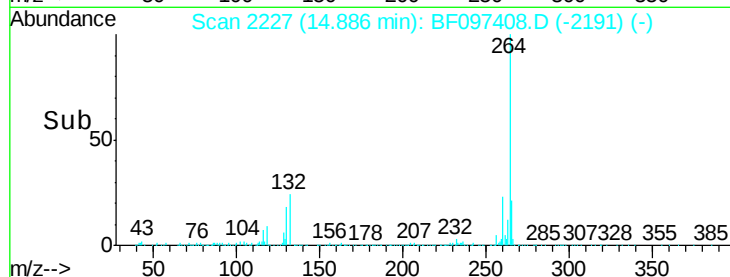
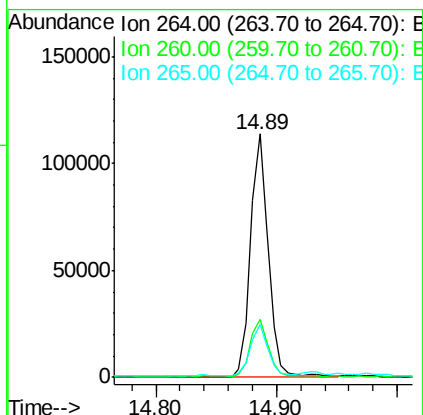
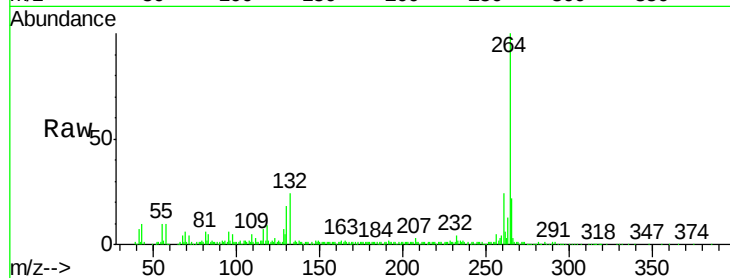




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

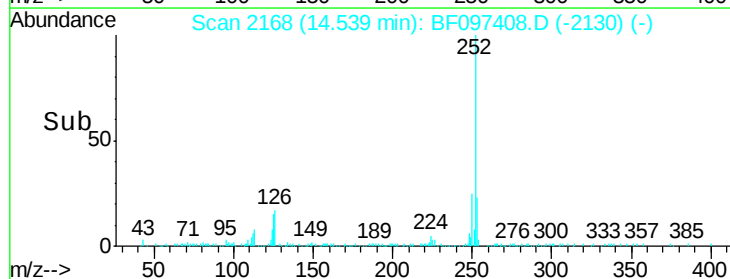
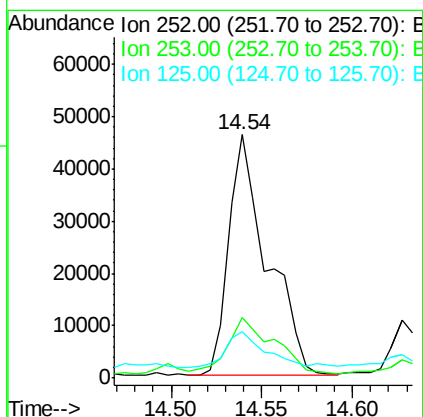
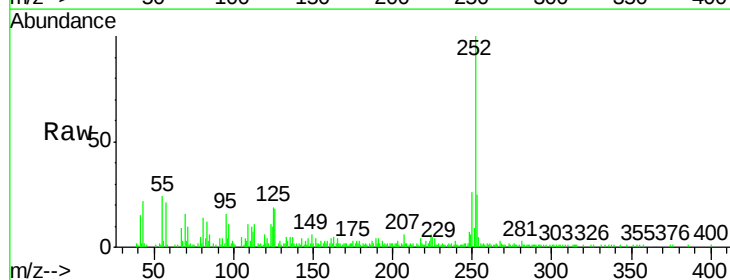
Instrument :
BNA_F
ClientSampleId :

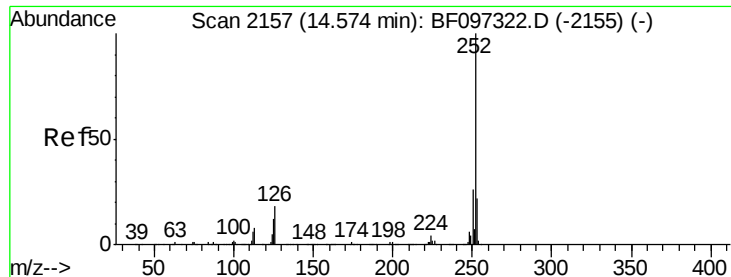
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 9.53 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	19.0	9.8	14.8#

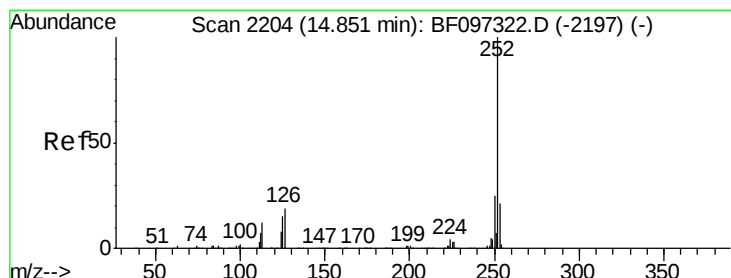
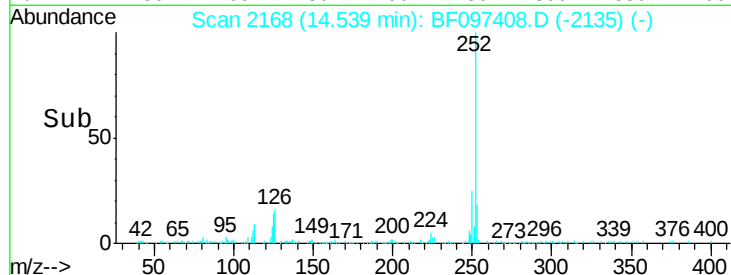
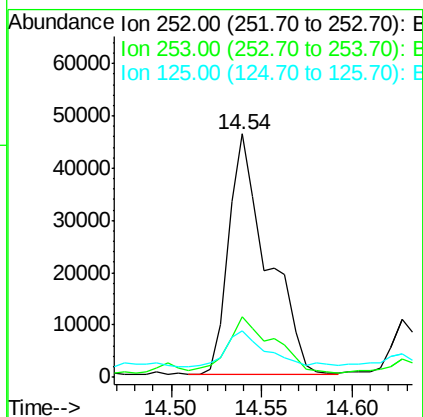
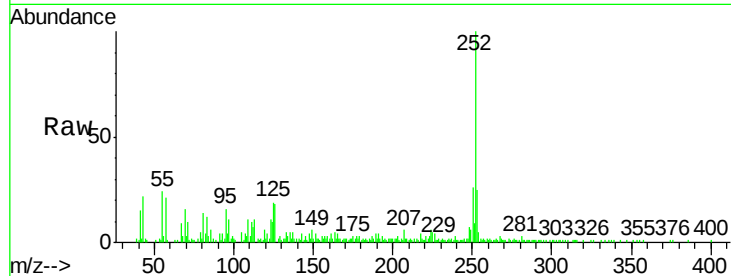




#88
Benzo(k)fluoranthene
Concen: 10.00 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.11 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

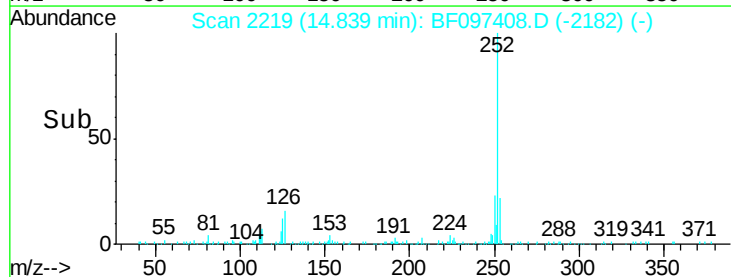
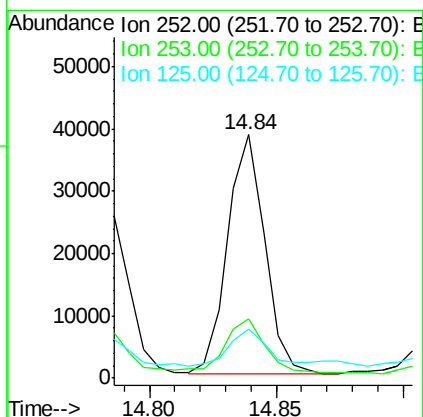
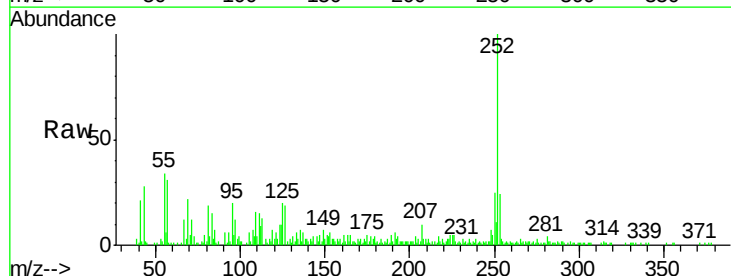
Instrument :
BNA_F
ClientSampleId :

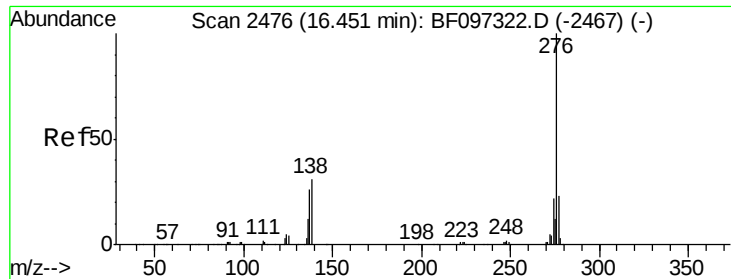
Tot Ion:252 Resp: 68212
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 19.0 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.00 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion:252 Resp: 39340
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 20.2 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 4.06 ng

RT: 16.44 min Scan# 2492

Delta R.T. -0.12 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

ClientSampleId :

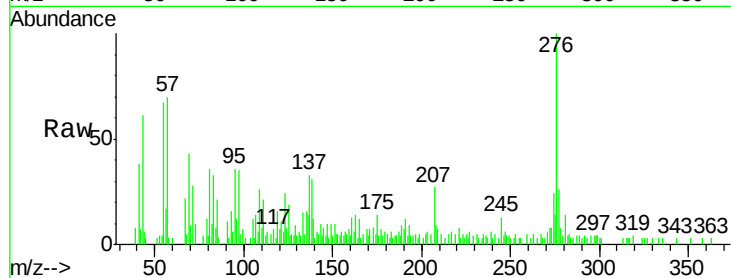
Tot Ion:276 Resp: 22871

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 30.8 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

