

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097448.D
 Acq On : 8 Aug 2017 00:09
 Operator : SJ/JU
 Sample : I4582-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1

Quant Time: Aug 08 04:51:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

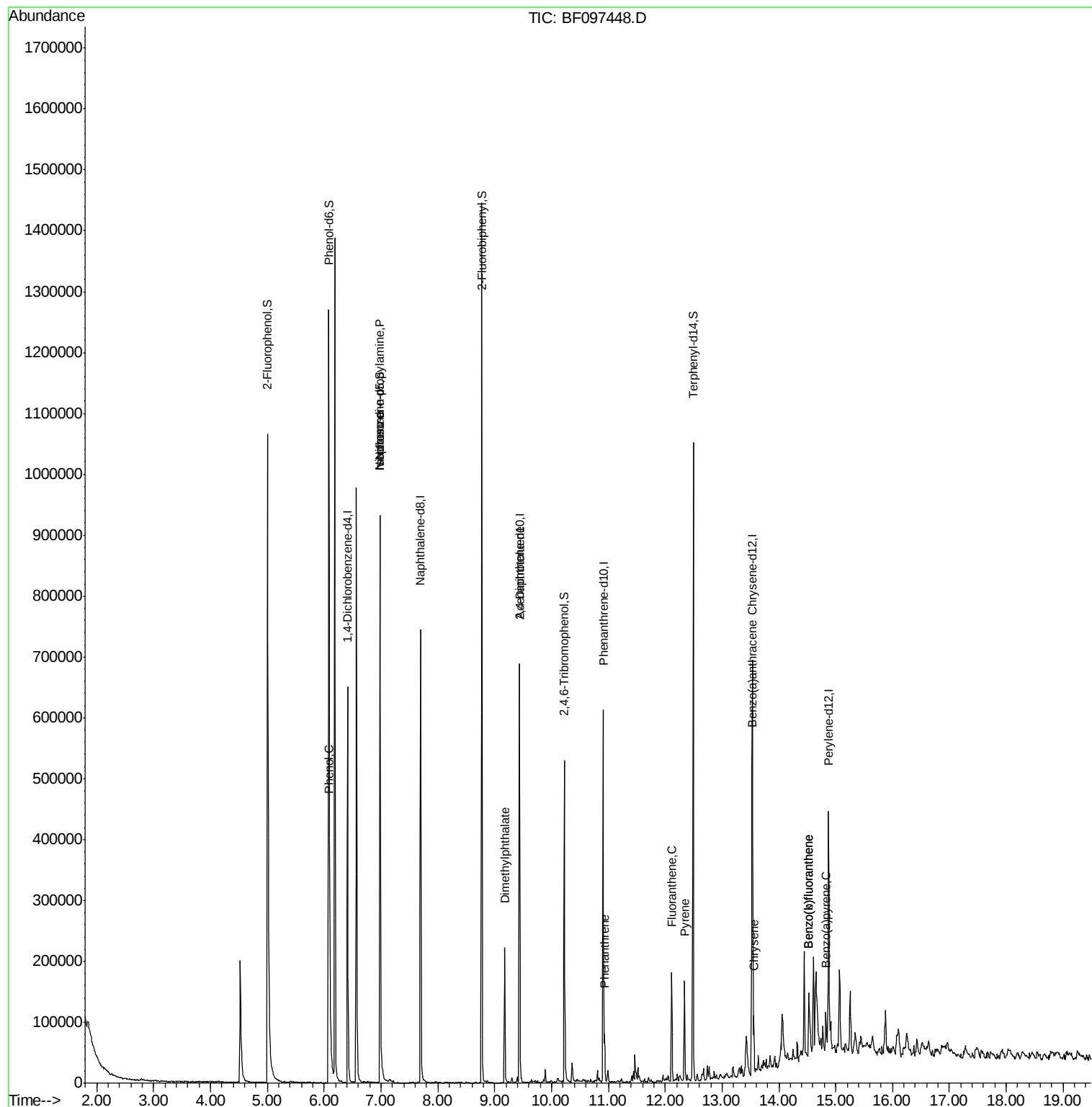
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	99373	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	353051	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	136273	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	200492	20.00	ng	0.00
75) Chrysene-d12	13.53	240	202910	20.00	ng	0.00
86) Perylene-d12	14.87	264	141886	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	405451	61.51	ng	0.00
7) Phenol-d6	6.08	99	471762	62.69	ng	0.00
23) Nitrobenzene-d5	6.98	82	285431	47.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	61649	57.26	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	427170	53.20	ng	0.00
78) Terphenyl-d14	12.49	244	311605	31.31	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.10	94	19490	2.18	ng	# 77
19) n-Nitroso-di-n-propylamine	6.98	70	37455	7.56	ng	# 86
25) Isophorone	6.98	82	285429	24.22	ng	# 67
49) Dimethylphthalate	9.17	163	90364	8.73	ng	# 99
56) 2,4-Dinitrotoluene	9.43	165	17346	6.87	ng	# 32
70) Phenanthrene	10.93	178	29470	2.74	ng	99
74) Fluoranthene	12.12	202	70168	6.67	ng	99
77) Pyrene	12.34	202	62567	3.77	ng	99
80) Benzo(a)anthracene	13.52	228	39298	2.99	ng	97
82) Chrysene	13.56	228	33700	2.63	ng	95
87) Benzo(b)fluoranthene	14.53	252	52180	6.12	ng	# 92
88) Benzo(k)fluoranthene	14.53	252	52180	6.42	ng	96
89) Benzo(a)pyrene	14.83	252	25174	3.22	ng	# 93

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

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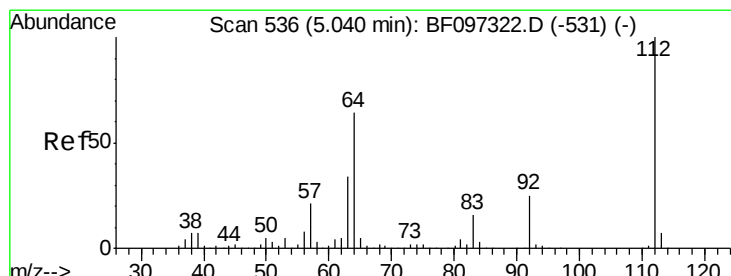
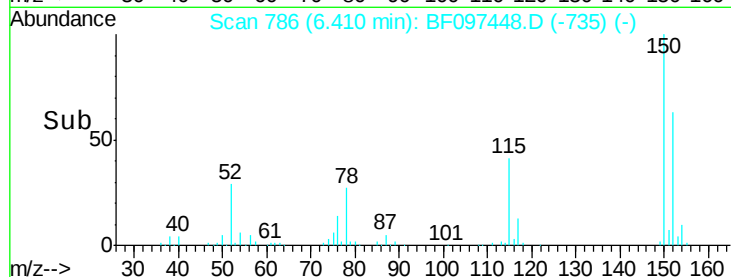
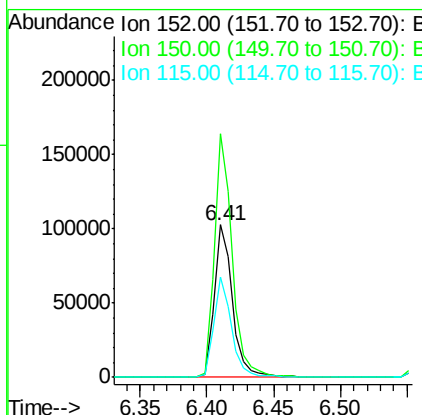
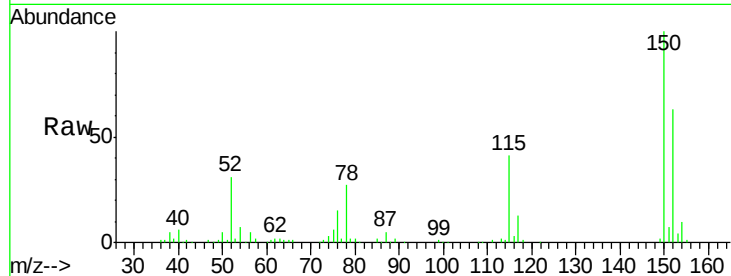


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.41 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

Instrument :
 BNA_F
 ClientSampled :
 S1

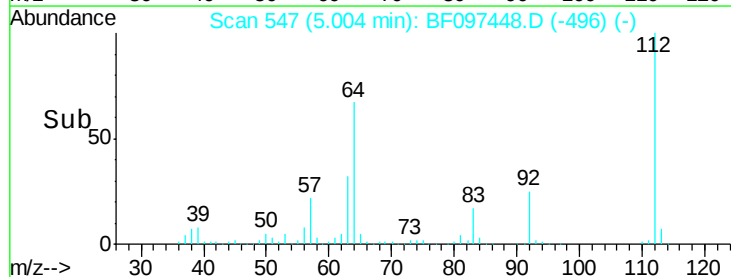
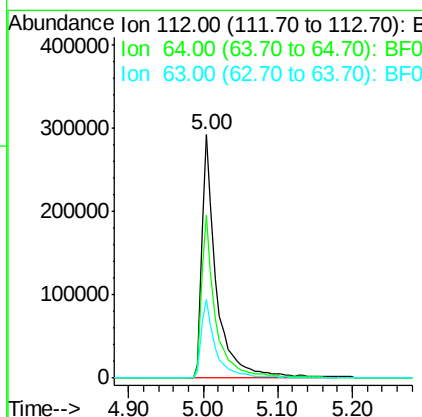
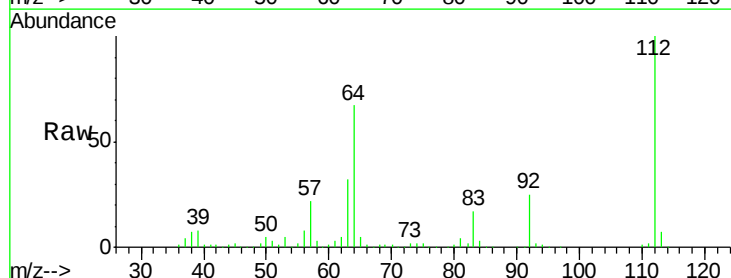
Tot Ion:152 Resp: 99373
 Ion Ratio Lower Upper
 152 100
 150 160.0 126.2 189.2
 115 65.7 52.2 78.2



#5

2-Fluorophenol
 Concen: 61.51 ng
 RT: 5.00 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

Tgt Ion:112 Resp: 405451
 Ion Ratio Lower Upper
 112 100
 64 66.7 46.0 69.0
 63 32.2 23.4 35.0





#7

Phenol-d6

Concen: 62.69 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

Instrument :

BNA_F

ClientSampled :

S1

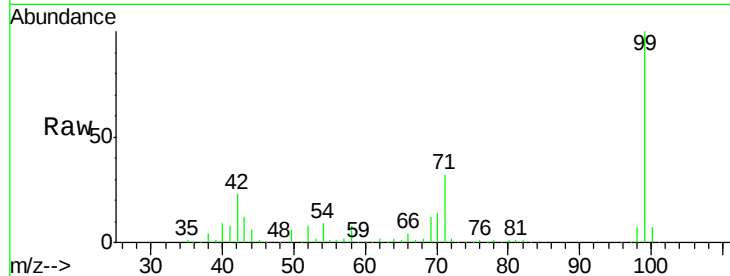
Tot Ion: 99 Resp: 471762

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

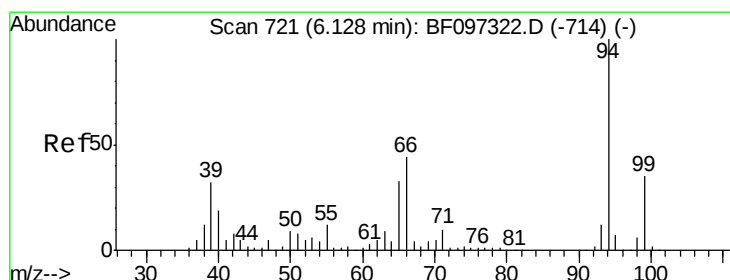
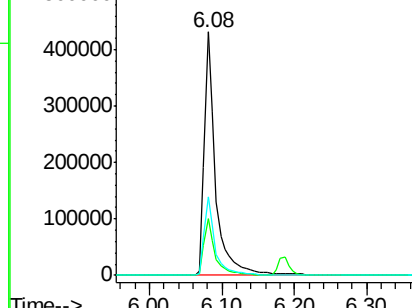
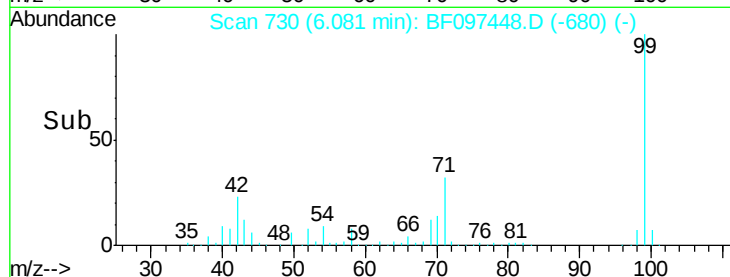
71 32.0 24.5 36.7



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: 2.18 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

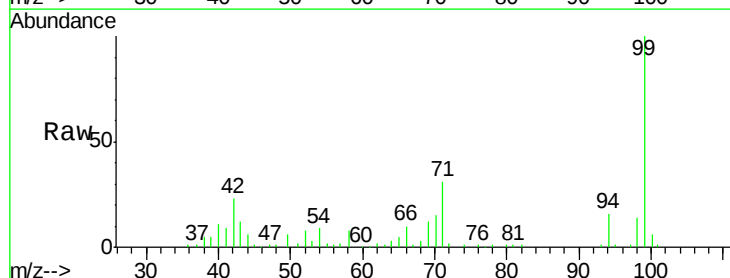
Tgt Ion: 94 Resp: 19490

Ion Ratio Lower Upper

94 100

65 34.4 9.9 49.9

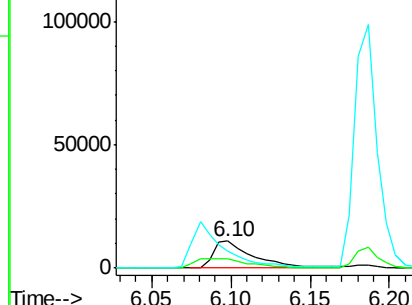
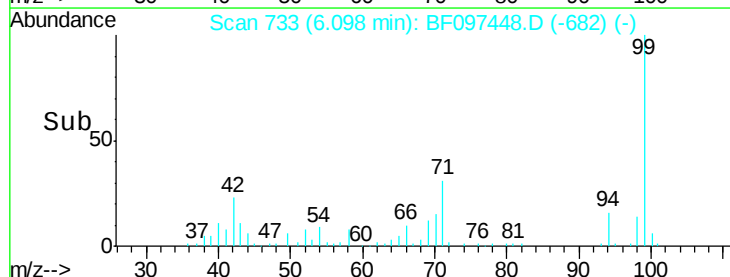
66 64.7 23.1 63.1#

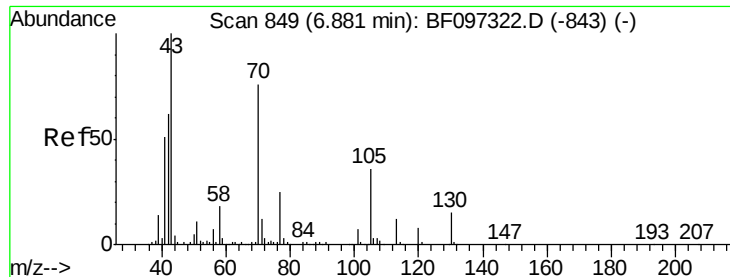


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

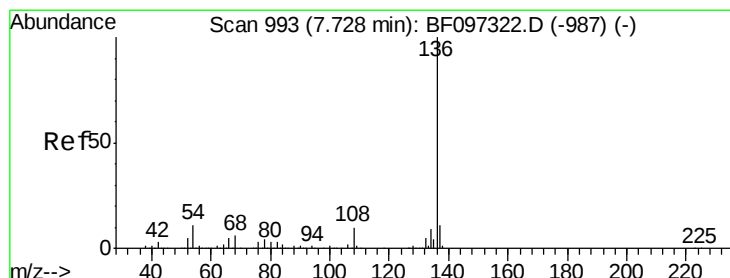
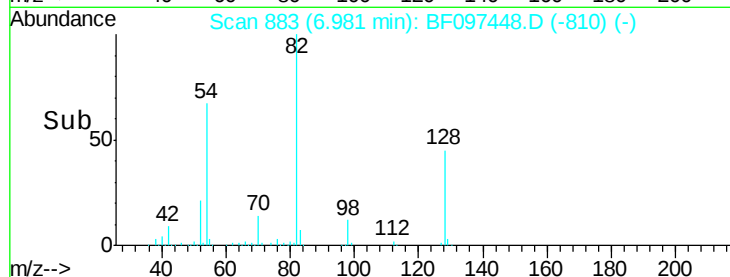
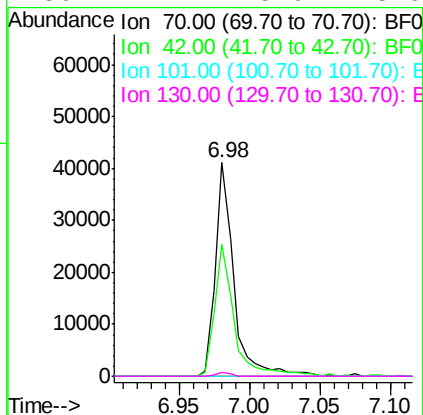
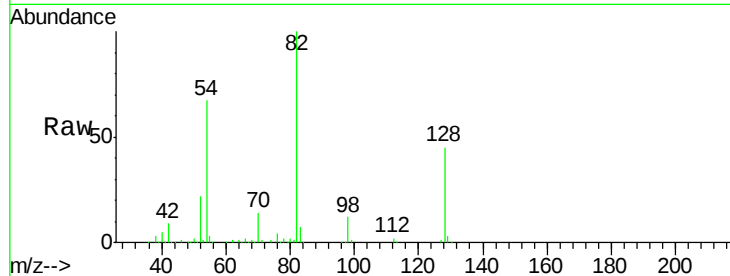




#19
n-Nitroso-di-n-propylamine
Concen: 7.56 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

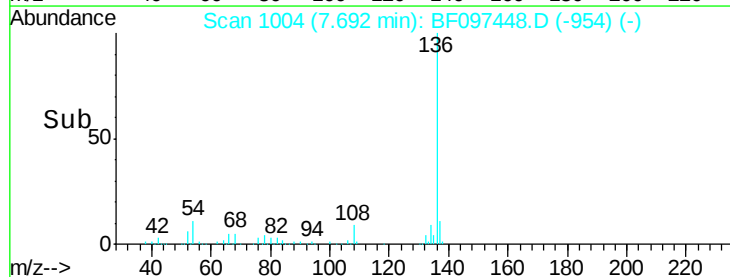
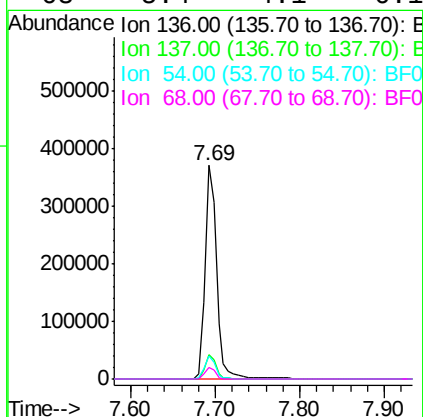
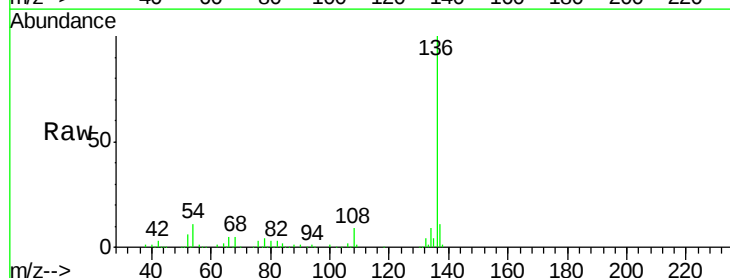
Instrument :
BNA_F
ClientSampleId :
S1

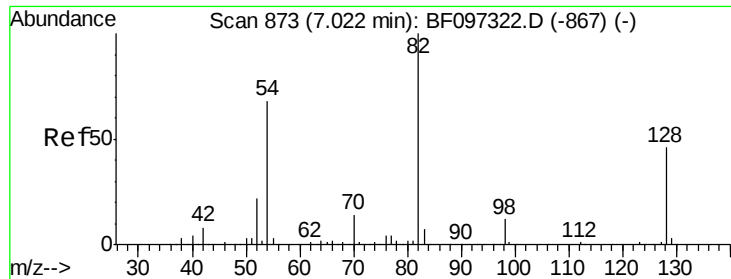
Tot Ion: 70 Resp: 37455
Ion Ratio Lower Upper
70 100
42 61.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

Tgt Ion:136 Resp: 353051
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.1 4.9 7.3#
68 5.4 4.1 6.1

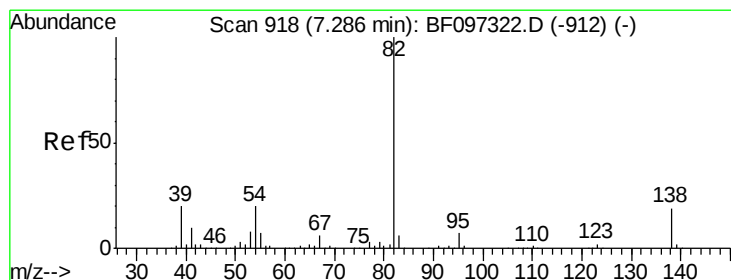
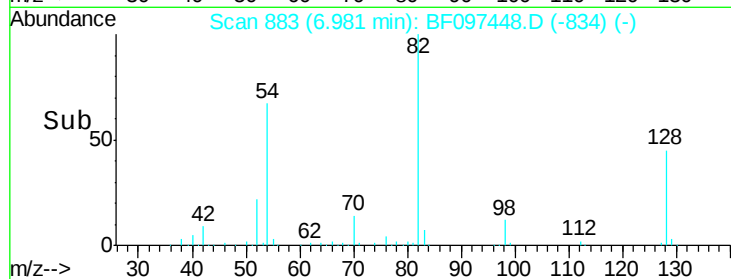
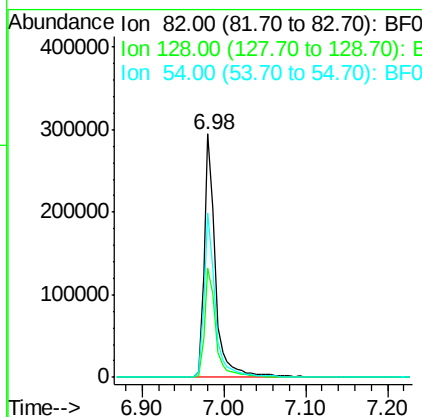
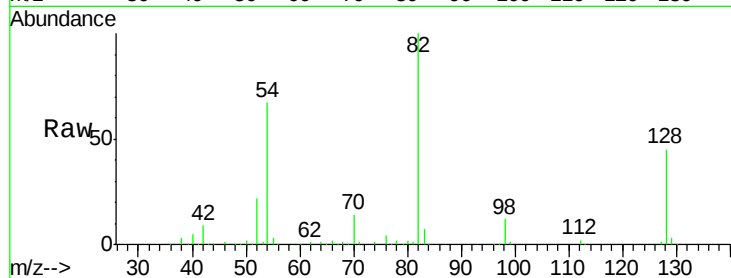




#23
 Nitrobenzene-d5
 Concen: 47.43 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

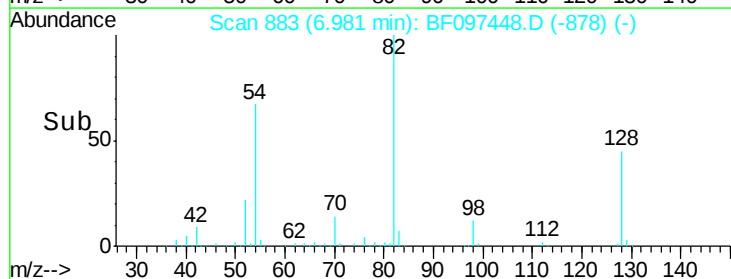
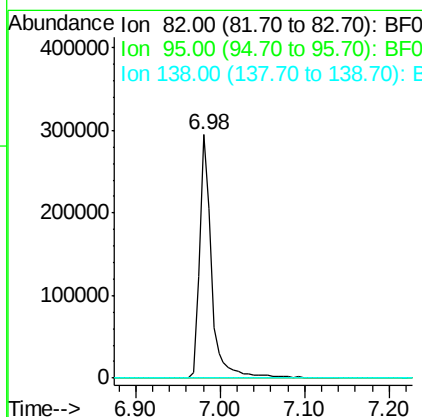
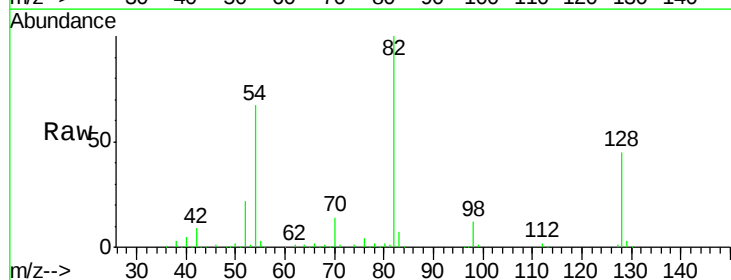
Instrument :
 BNA_F
 ClientSampleId :
 S1

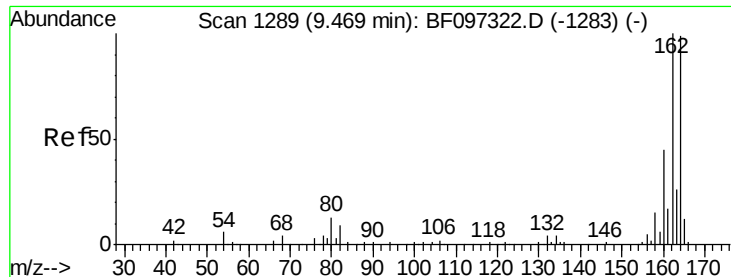
Tot Ion: 82 Resp: 285431
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.0 51.0
 54 67.4 42.2 63.2#



#25
 Isophorone
 Concen: 24.22 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

Tgt Ion: 82 Resp: 285429
 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: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

Instrument :

BNA_F

ClientSampleId :

S1

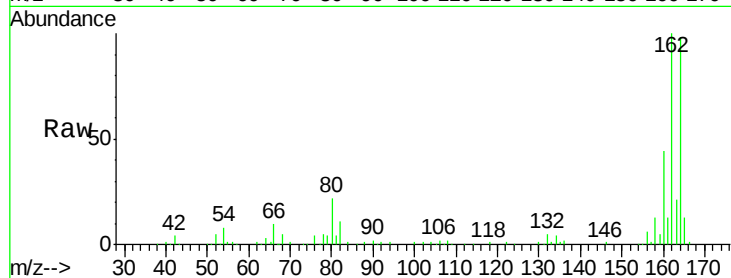
Tot Ion:164 Resp: 136273

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

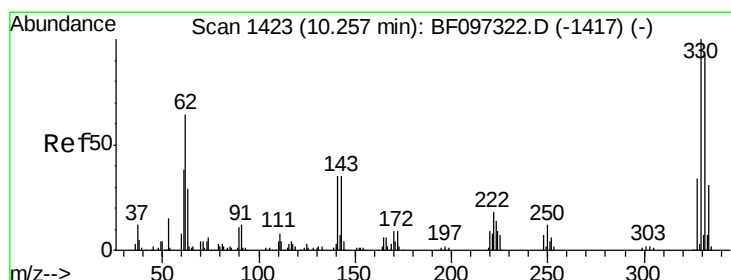
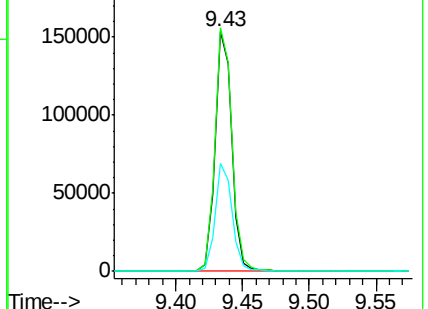
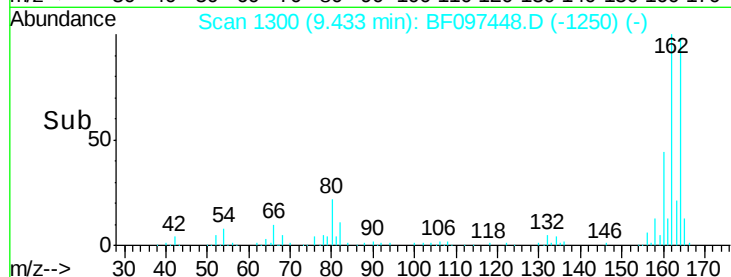
160 44.9 36.2 54.2



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: 57.26 ng

RT: 10.23 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

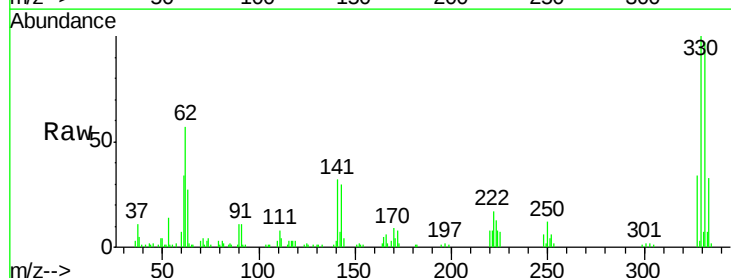
Tgt Ion:330 Resp: 61649

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

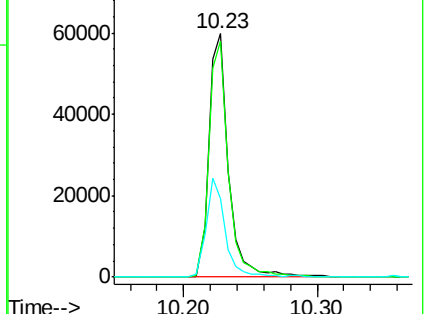
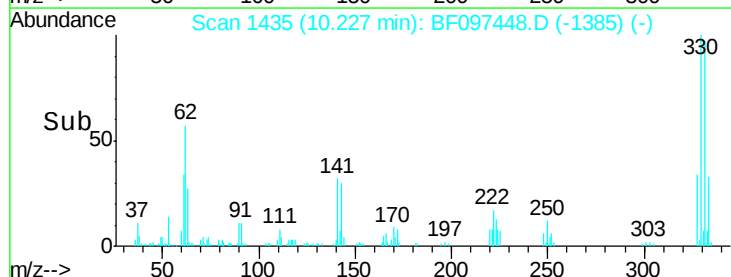
141 39.0 31.4 47.2

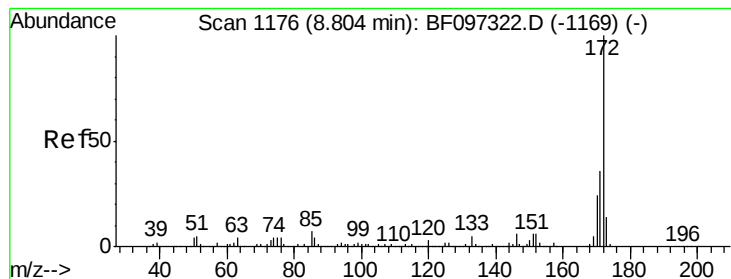


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

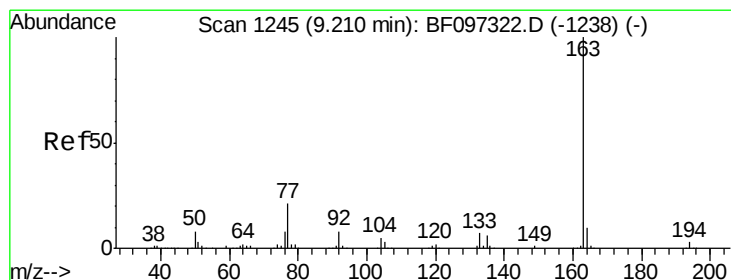
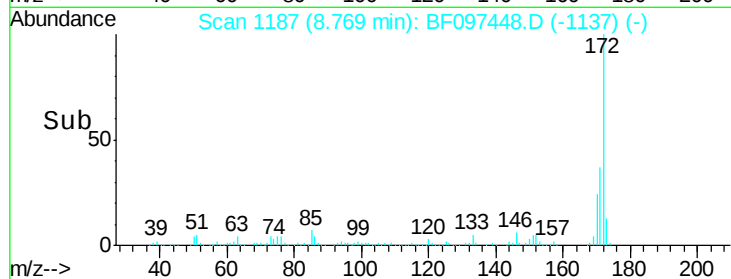
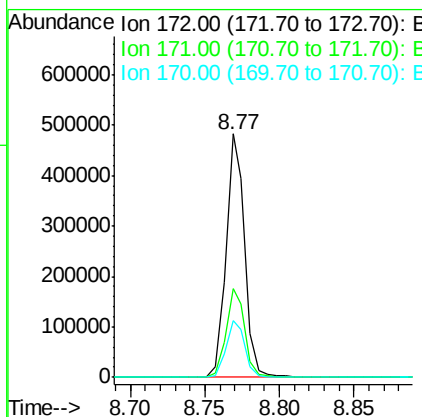
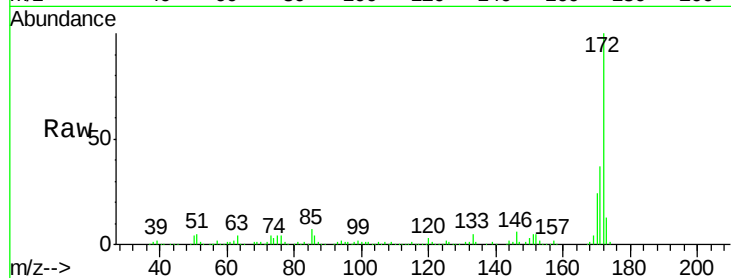




#44
2-Fluorobiphenyl
Concen: 53.20 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

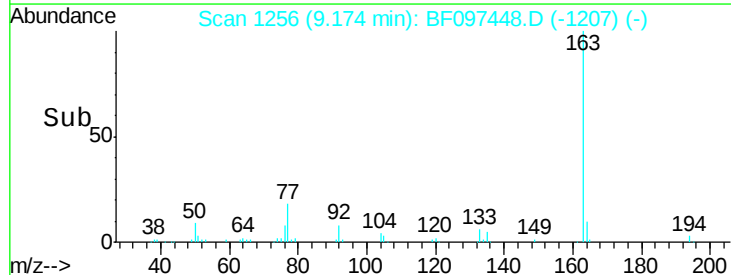
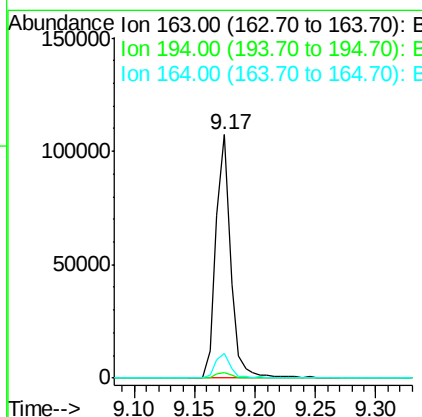
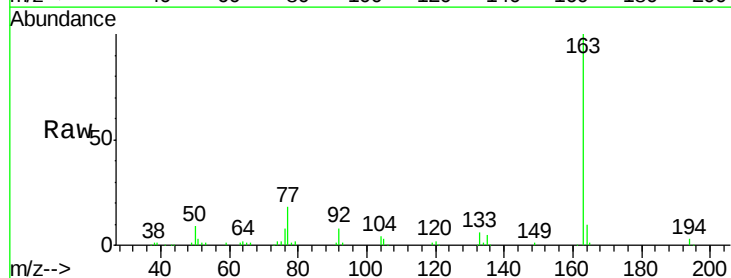
Instrument :
BNA_F
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S1

Tot Ion:172 Resp: 427170
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 8.73 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

Tgt Ion:163 Resp: 90364
Ion Ratio Lower Upper
163 100
194 2.5 2.6 4.0#
164 10.2 8.4 12.6

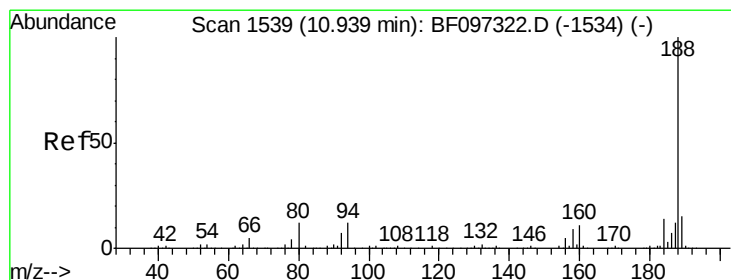
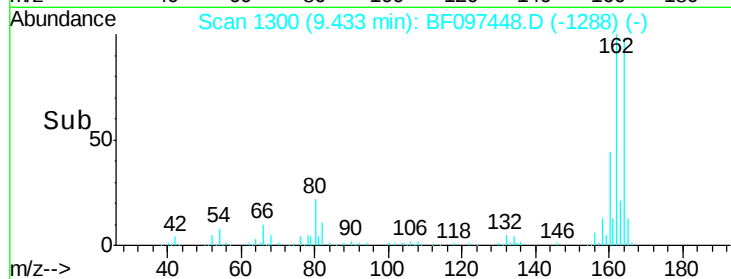
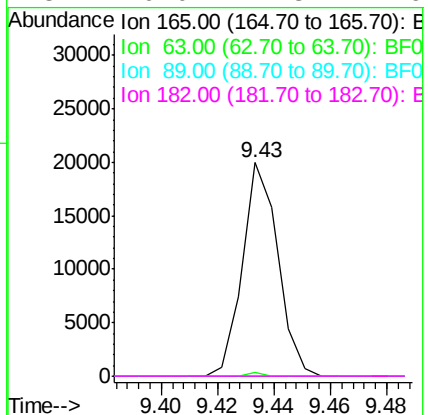
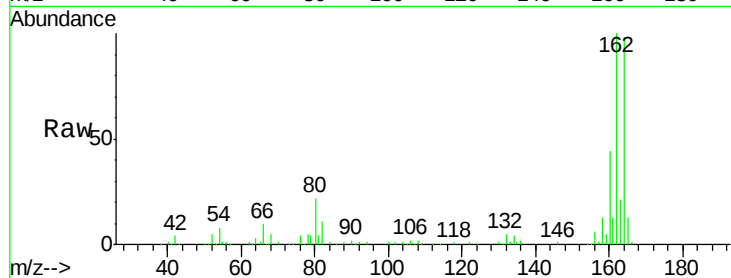




#56
 2,4-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.23 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

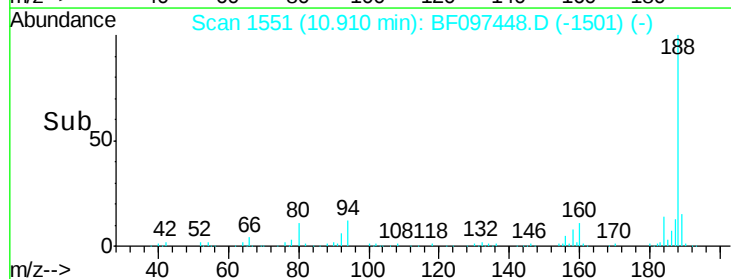
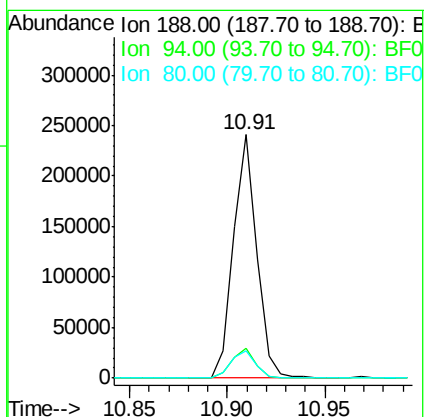
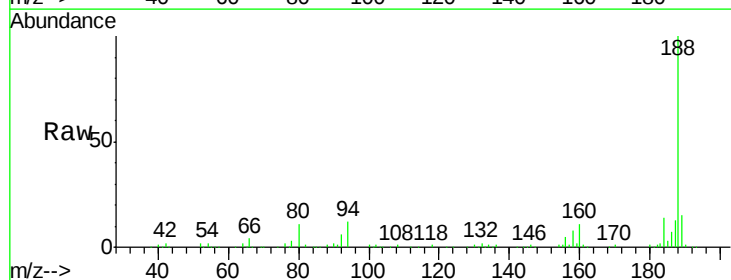
Instrument :
 BNA_F
 ClientSampleId :
 S1

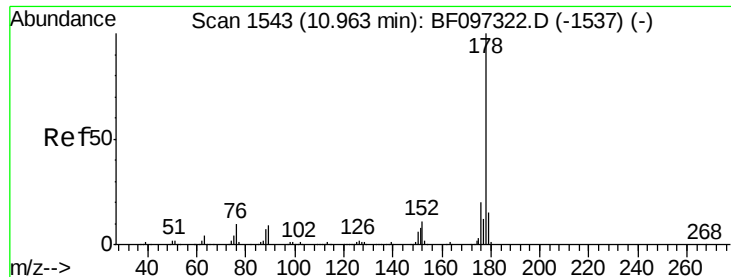
Tot Ion:165 Resp: 17346
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

Tgt Ion:188 Resp: 200492
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 11.0 10.2 15.2





#70

Phenanthrene

Concen: 2.74 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

Instrument :

BNA_F

ClientSampleId :

S1

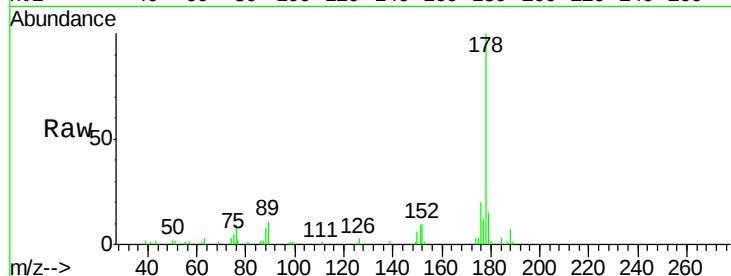
Tot Ion:178 Resp: 29470

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

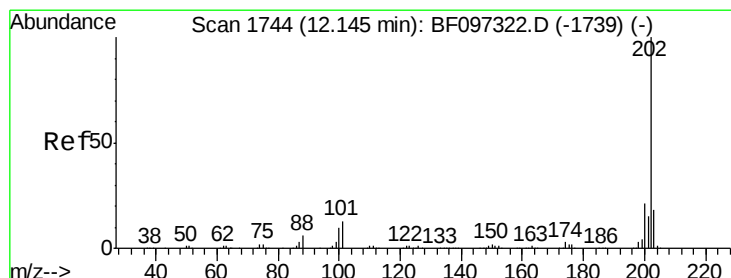
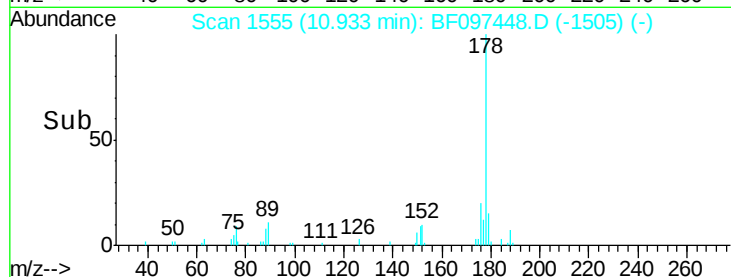
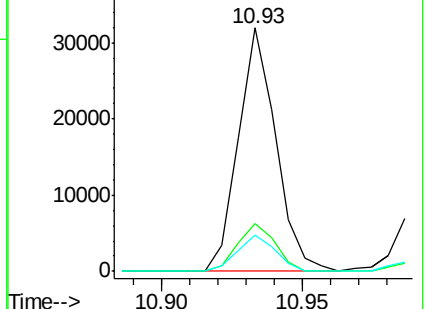
179 14.9 12.6 19.0



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: 6.67 ng

RT: 12.12 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

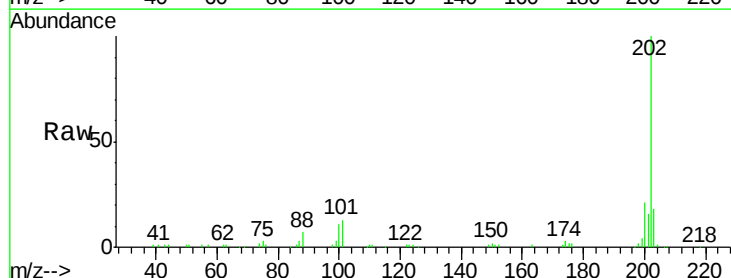
Tgt Ion:202 Resp: 70168

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

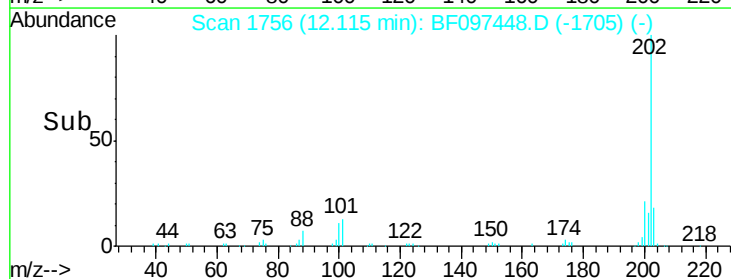
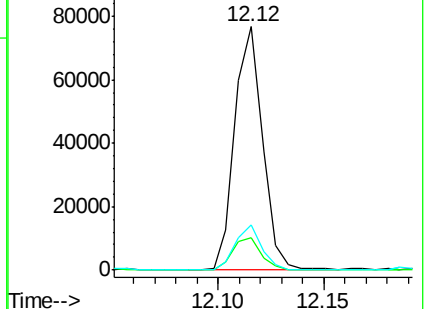
203 18.3 0.0 38.1

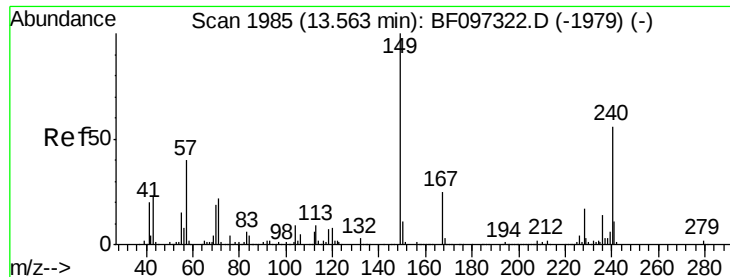


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

Instrument :

BNA_F

ClientSampleId :

S1

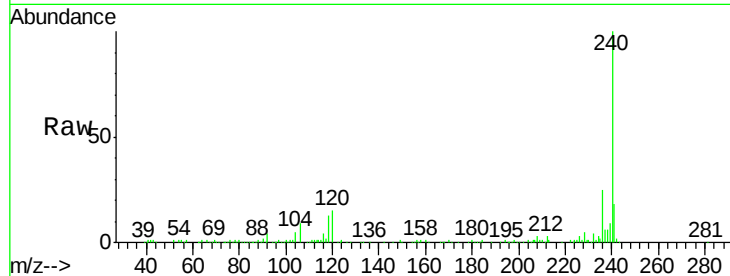
Tot Ion:240 Resp: 202910

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

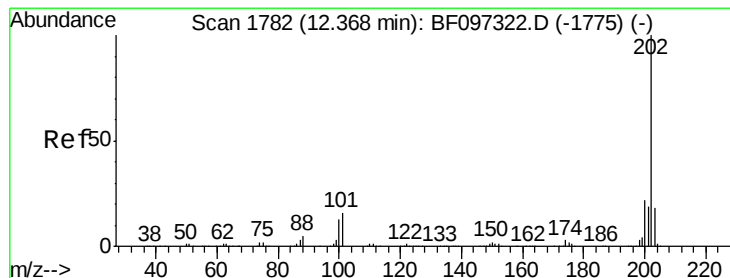
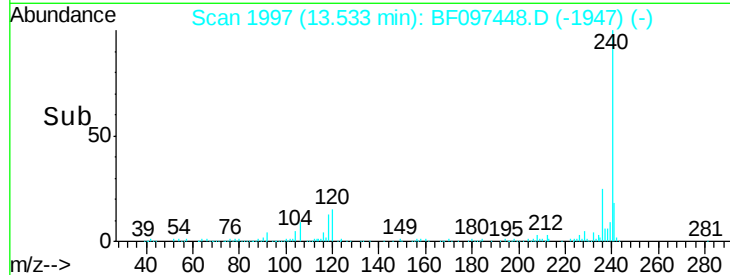
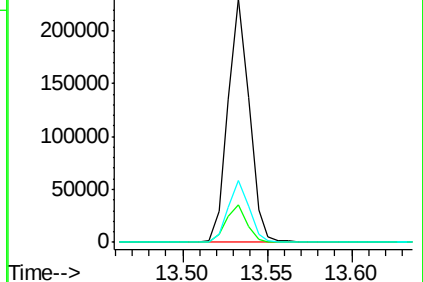
236 25.5 20.5 30.7



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

Pyrene

Concen: 3.77 ng

RT: 12.34 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

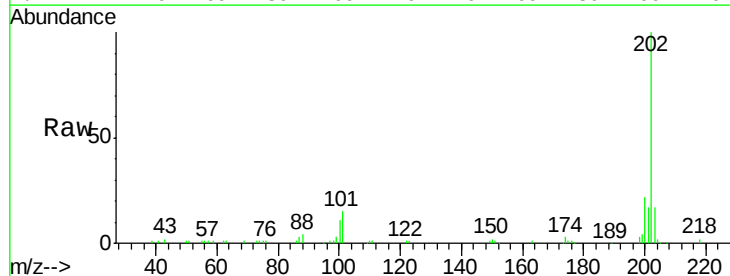
Tgt Ion:202 Resp: 62567

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

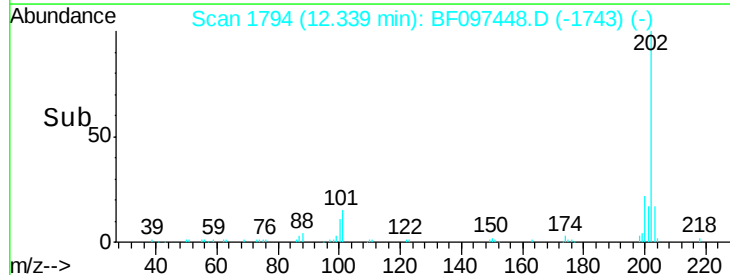
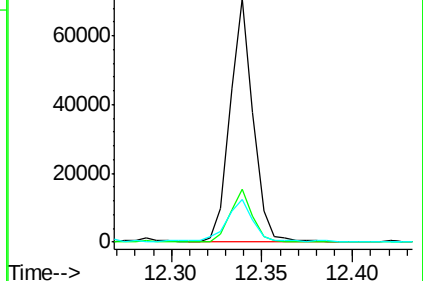
203 17.3 14.4 21.6

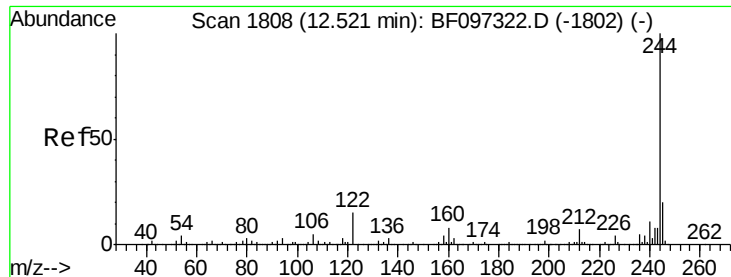


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

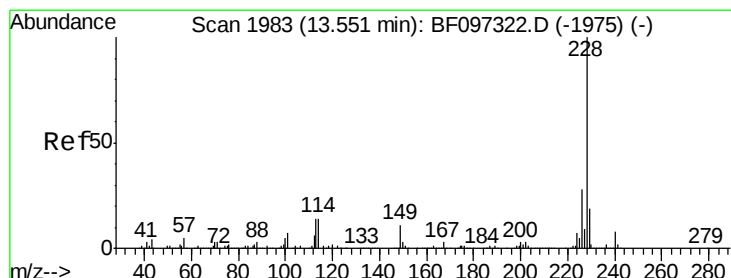
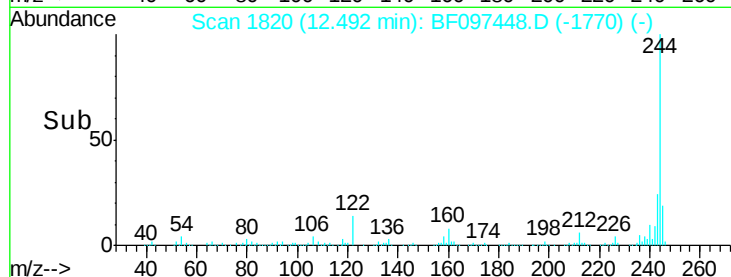
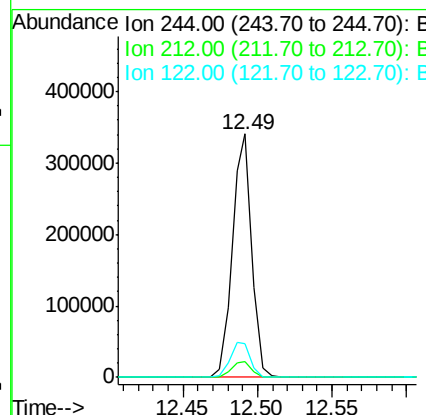
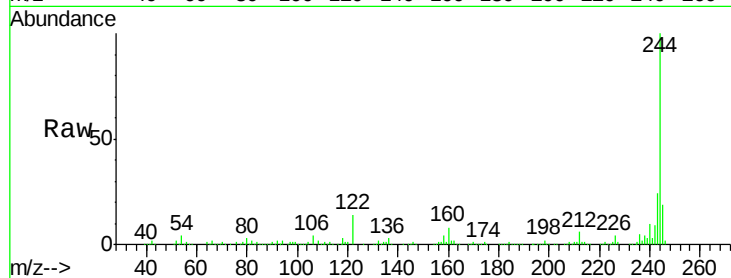




#78
 Terphenyl-d14
 Concen: 31.31 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

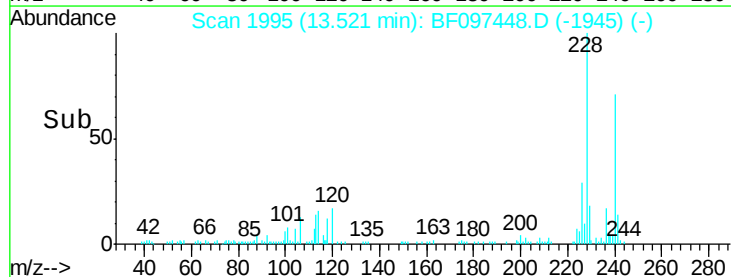
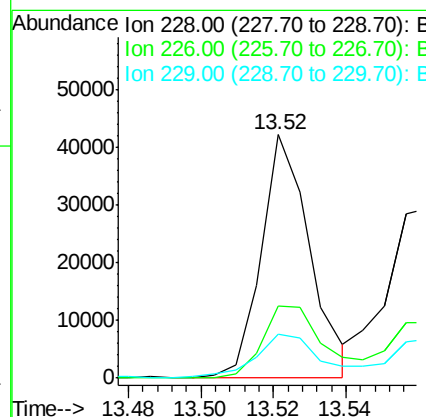
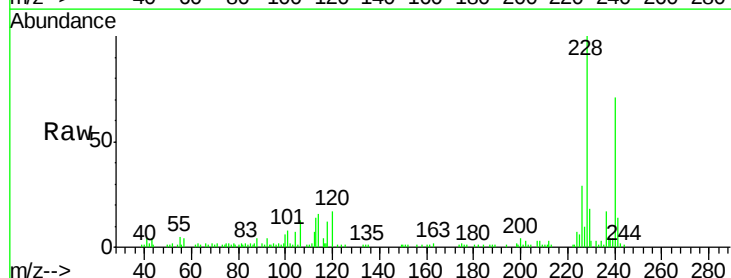
Instrument :
 BNA_F
 ClientSampleId :
 S1

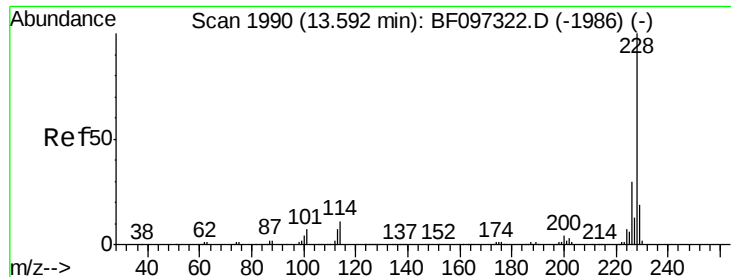
Tot Ion:244 Resp: 311605
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 13.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.99 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097448.D
 Acq: 8 Aug 2017 00:09

Tgt Ion:228 Resp: 39298
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 33.8
 229 18.2 16.3 24.5

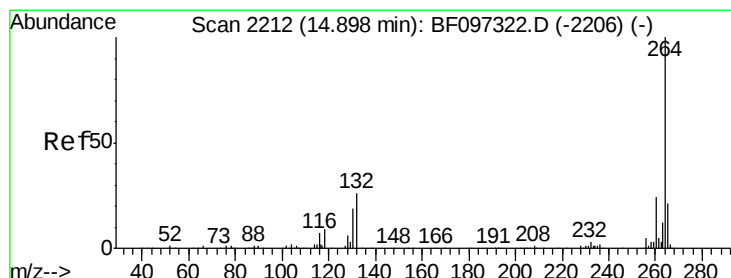
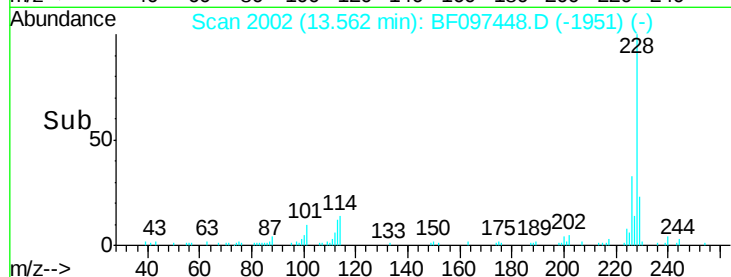
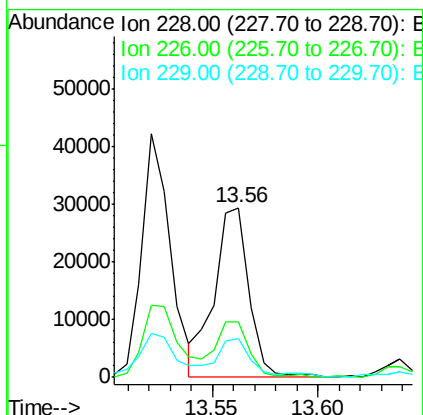
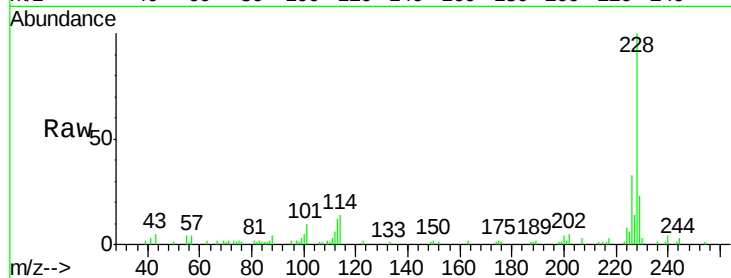




#82
Chrysene
Concen: 2.63 ng
RT: 13.56 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

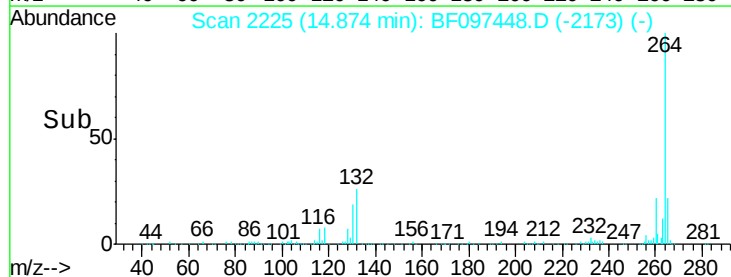
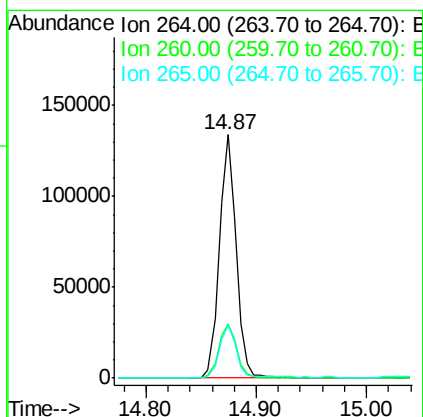
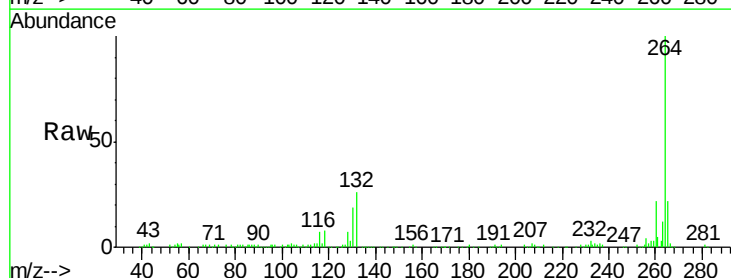
Instrument :
BNA_F
ClientSampled :
S1

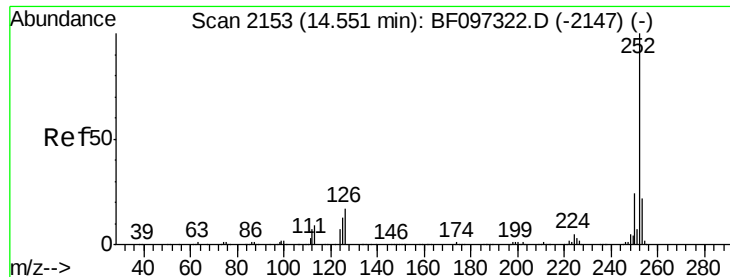
Tot Ion:228 Resp: 33700
Ion Ratio Lower Upper
228 100
226 32.7 24.9 37.3
229 23.2 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

Tgt Ion:264 Resp: 141886
Ion Ratio Lower Upper
264 100
260 22.2 19.5 29.3
265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 6.12 ng

RT: 14.53 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

Instrument :

BNA_F

ClientSampleId :

S1

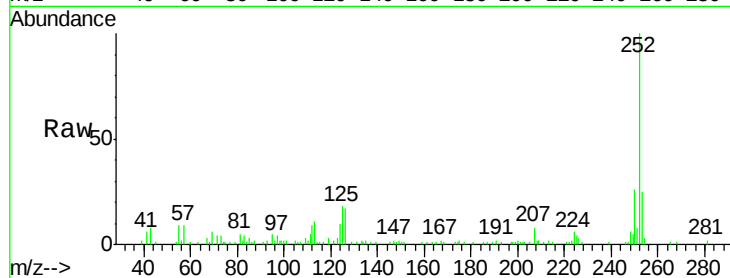
Tot Ion:252 Resp: 52180

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

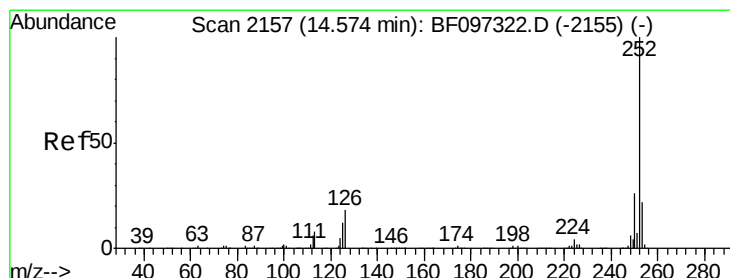
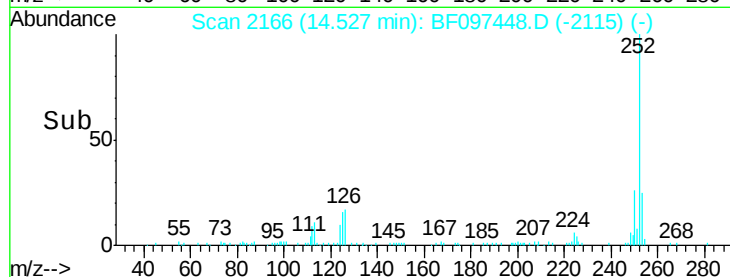
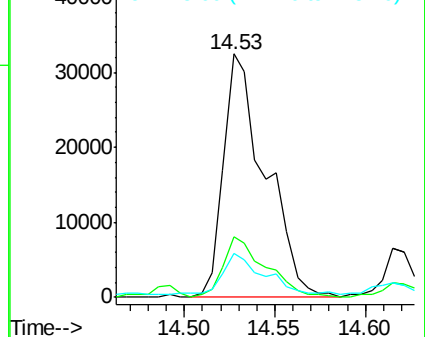
125 17.8 9.8 14.8#



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: 6.42 ng

RT: 14.53 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF097448.D

Acq: 8 Aug 2017 00:09

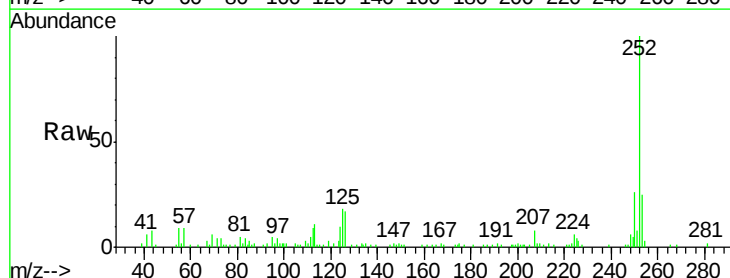
Tgt Ion:252 Resp: 52180

Ion Ratio Lower Upper

252 100

253 24.8 18.4 27.6

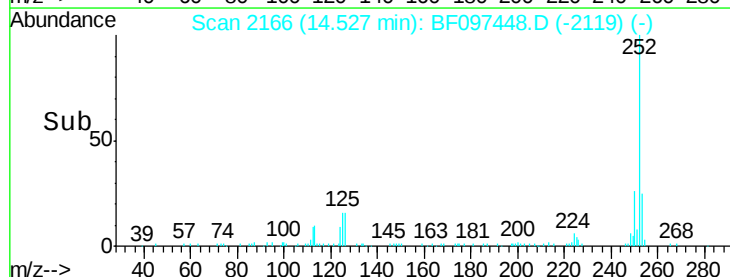
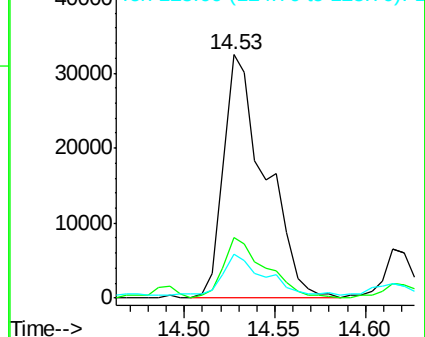
125 17.8 13.1 19.7

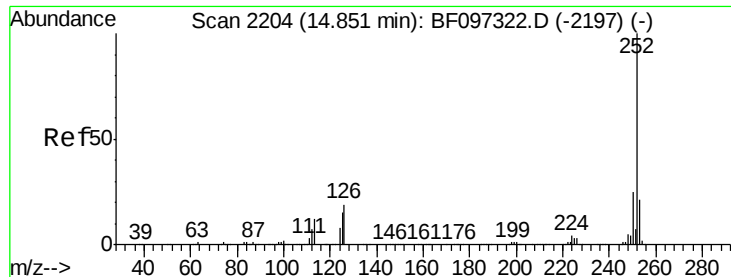


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 3.22 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097448.D
Acq: 8 Aug 2017 00:09

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	19.4	11.0	16.4

