

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097284.D
 Acq On : 2 Aug 2017 20:16
 Operator : SJ/JU
 Sample : I4543-04 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 23:10:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

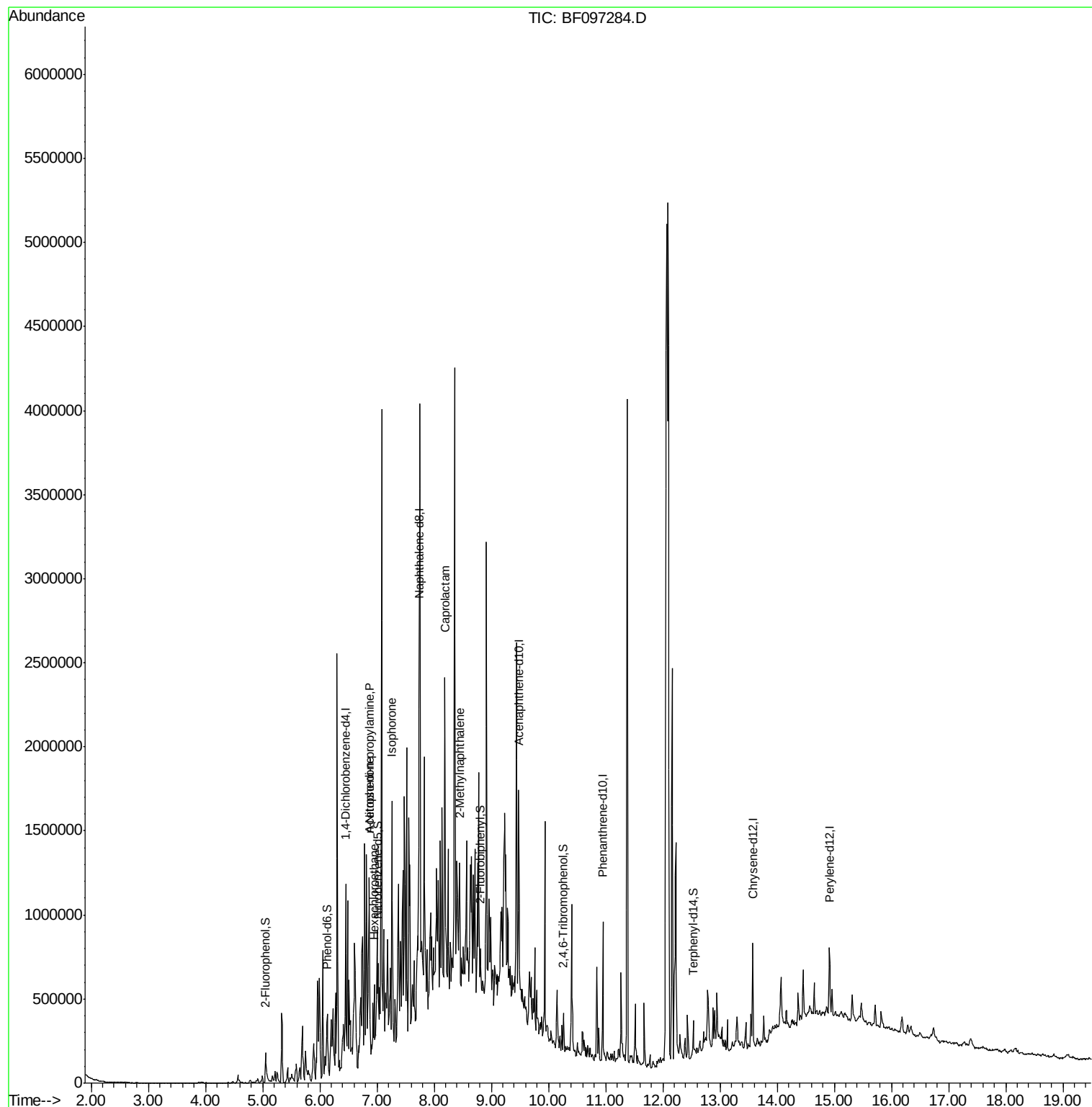
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	127763	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	429859	20.00	ng	-0.05
38) Acenaphthene-d10	9.48	164	207321	20.00	ng	-0.05
63) Phenanthrene-d10	10.95	188	291759	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	208199	20.00	ng	-0.05
86) Perylene-d12	14.92	264	165493	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	86165	10.17	ng	-0.05
7) Phenol-d6	6.12	99	98988	10.23	ng	-0.05
23) Nitrobenzene-d5	7.02	82	63241	8.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	14520	8.86	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	93322	7.64	ng	-0.06
78) Terphenyl-d14	12.53	244	59546	5.83	ng	-0.05
Target Compounds						Qvalue
18) Hexachloroethane	6.95	117	8999	2.54	ng	# 1
19) n-Nitroso-di-n-propylamine	6.86	70	13688	2.15	ng	# 16
22) Acetophenone	6.86	105	142822	13.84	ng	# 46
25) Isophorone	7.26	82	31829	2.22	ng	# 1
35) Caprolactam	8.19	113	26090	13.87	ng	# 1
37) 2-Methylnaphthalene	8.45	142	31098	2.42	ng	96

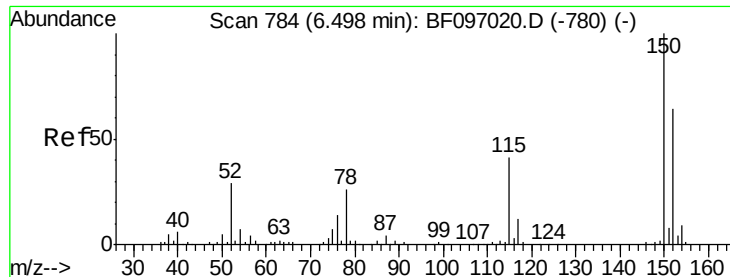
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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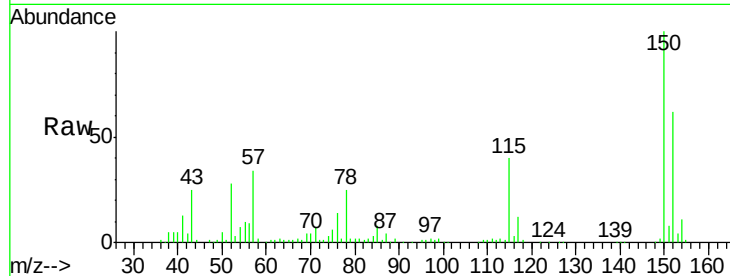


#1

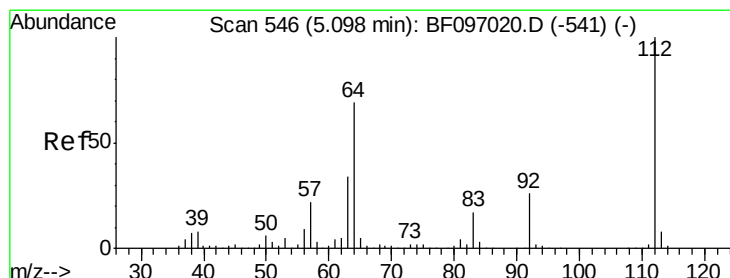
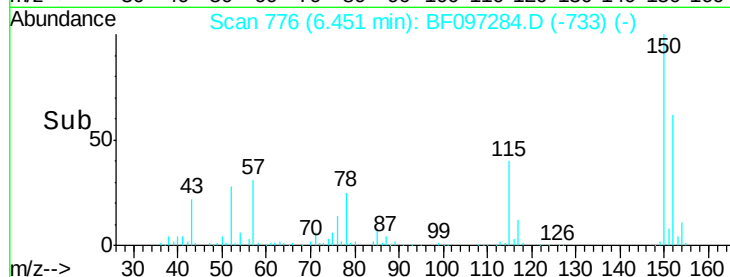
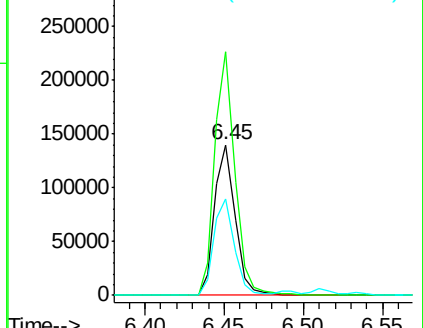
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097284.D
Acq: 2 Aug 2017 20:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127763
Ion Ratio Lower Upper
152 100
150 161.7 126.2 189.2
115 64.0 52.2 78.2



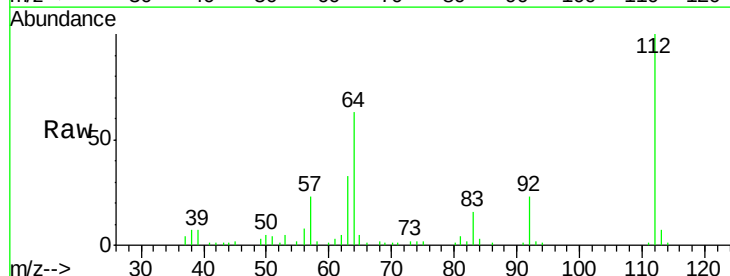
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



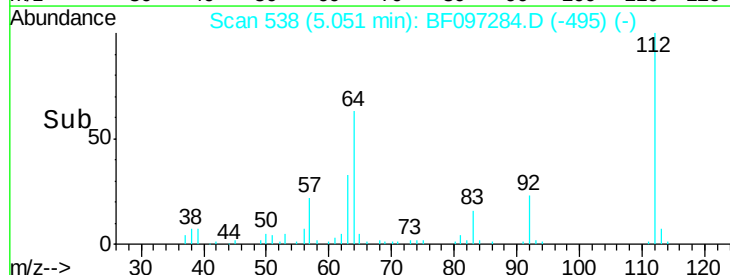
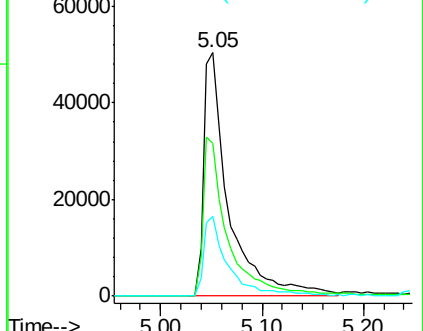
#5

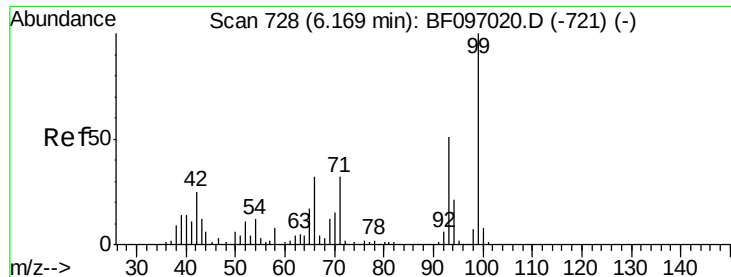
2-Fluorophenol
Concen: 10.17 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097284.D
Acq: 2 Aug 2017 20:16

Tgt Ion:112 Resp: 86165
Ion Ratio Lower Upper
112 100
64 62.7 46.0 69.0
63 32.6 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: 10.23 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampled :

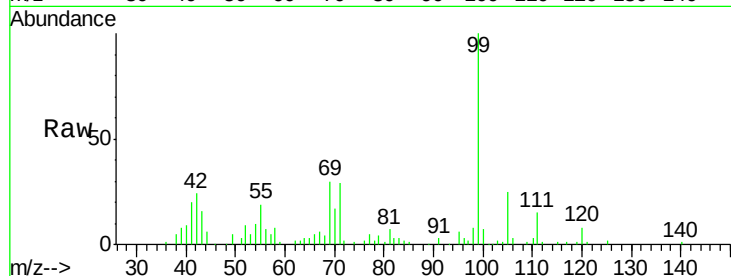
Tot Ion: 99 Resp: 98988

Ion Ratio Lower Upper

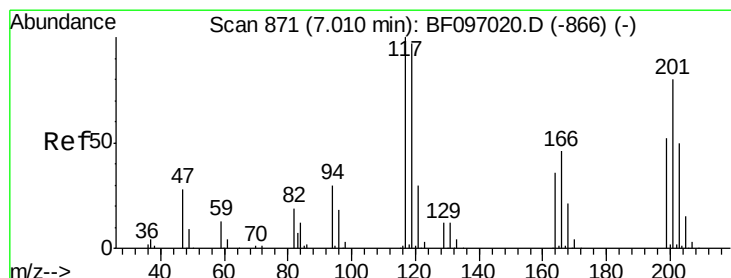
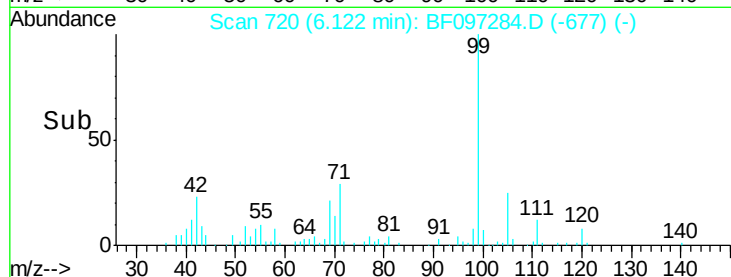
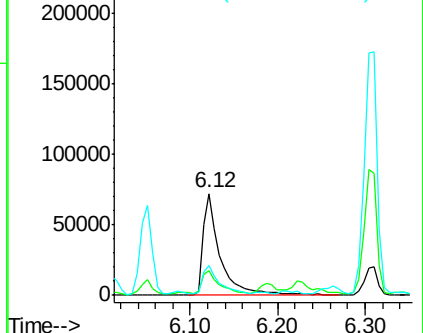
99 100

42 24.4 13.5 20.3#

71 29.4 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



#18

Hexachloroethane

Concen: 2.54 ng

RT: 6.95 min Scan# 861

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

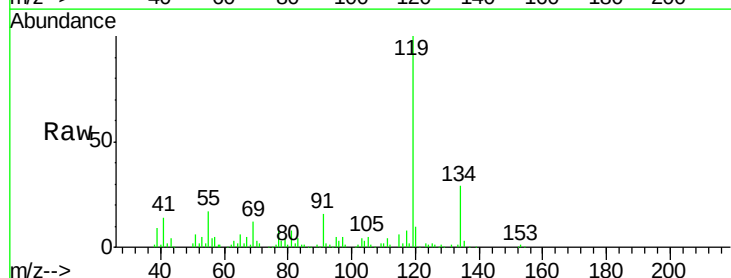
Tgt Ion: 117 Resp: 8999

Ion Ratio Lower Upper

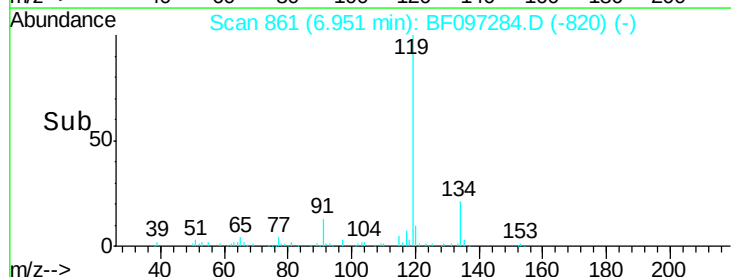
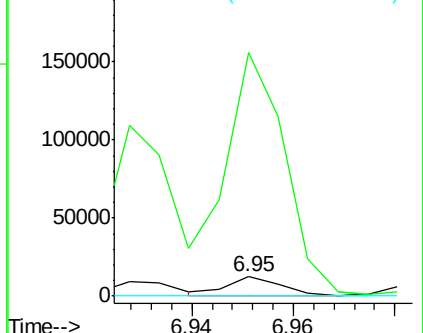
117 100

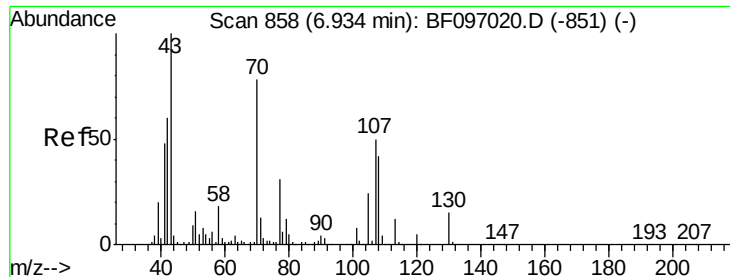
119 1269.1 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

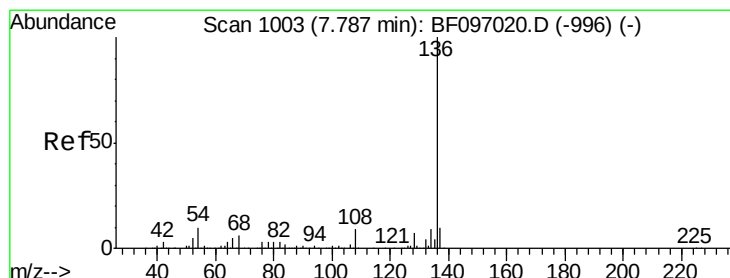
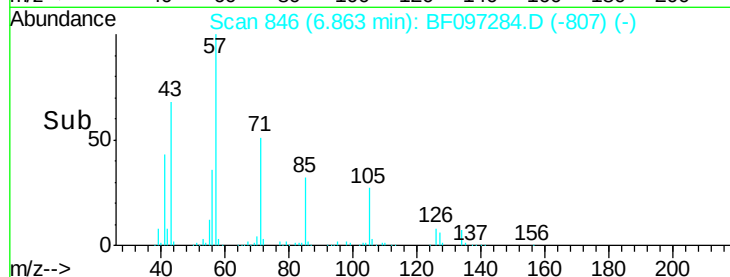
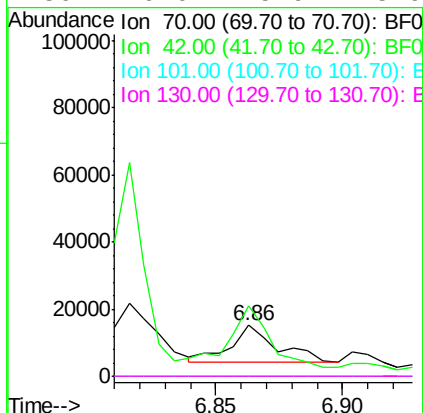
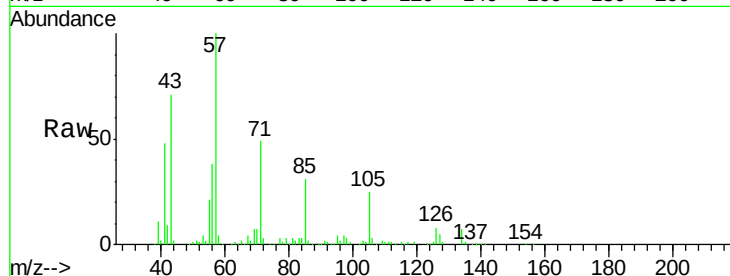




#19
n-Nitroso-di-n-propylamine
Concen: 2.15 ng
RT: 6.86 min Scan# 846
Delta R.T. -0.07 min
Lab File: BF097284.D
Acq: 2 Aug 2017 20:16

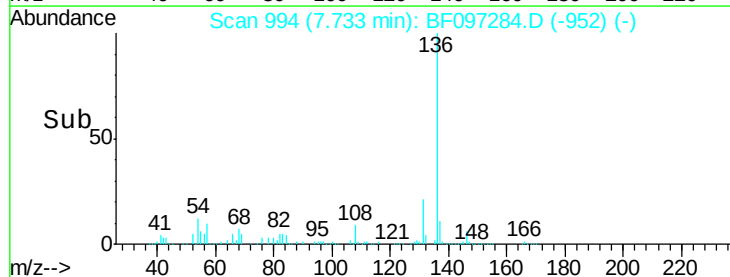
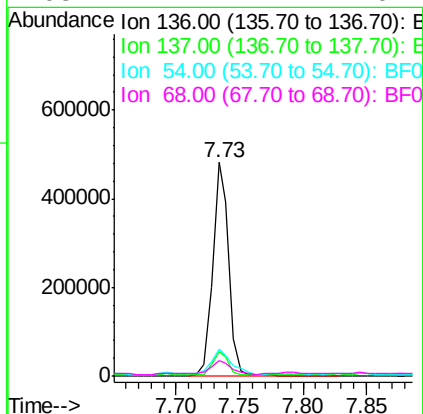
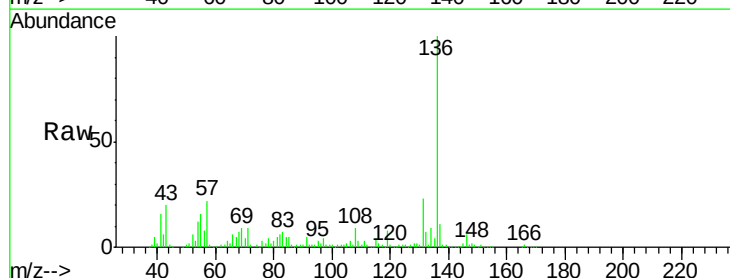
Instrument :
BNA_F
ClientSampled :

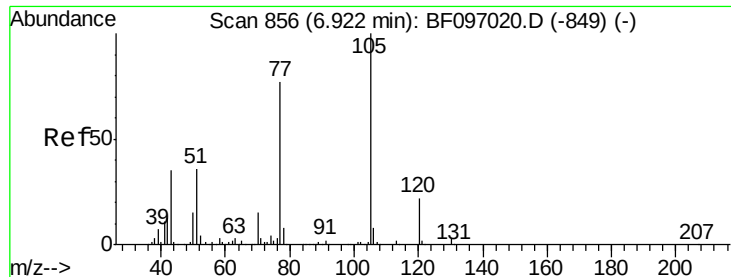
Tot Ion: 70 Resp: 13688
Ion Ratio Lower Upper
70 100
42 138.9 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097284.D
Acq: 2 Aug 2017 20:16

Tgt Ion: 136 Resp: 429859
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 12.4 4.9 7.3#
68 7.4 4.1 6.1#





#22

Acetophenone

Concen: 13.84 ng

RT: 6.86 min Scan# 845

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 142822

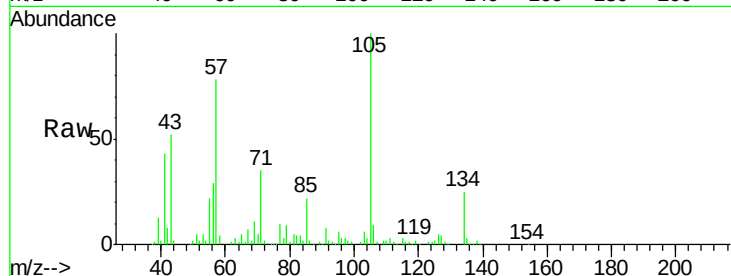
Ion Ratio Lower Upper

105 100

71 35.3 2.8 4.2#

51 4.9 30.7 46.1#

120 0.2 17.4 26.0#

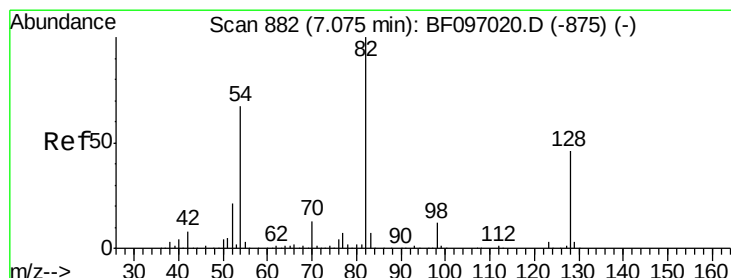
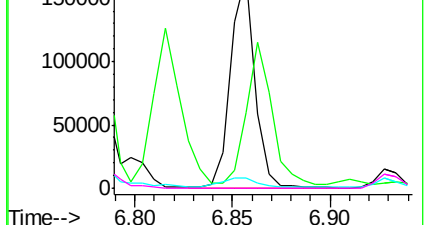
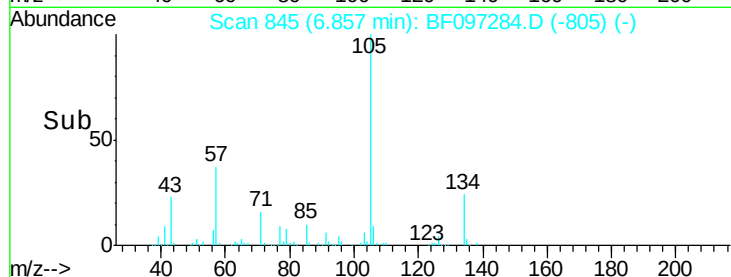


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 8.63 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

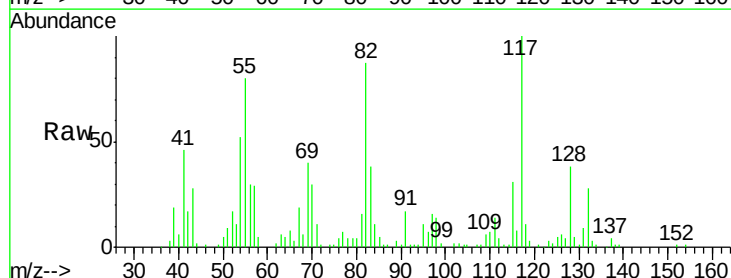
Tgt Ion: 82 Resp: 63241

Ion Ratio Lower Upper

82 100

128 43.7 34.0 51.0

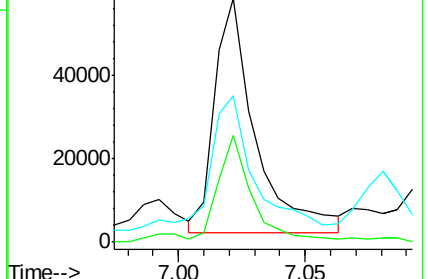
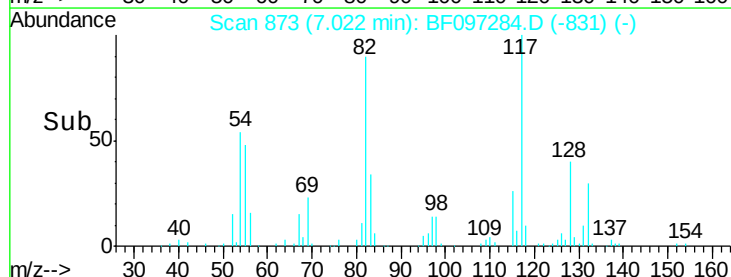
54 60.4 42.2 63.2

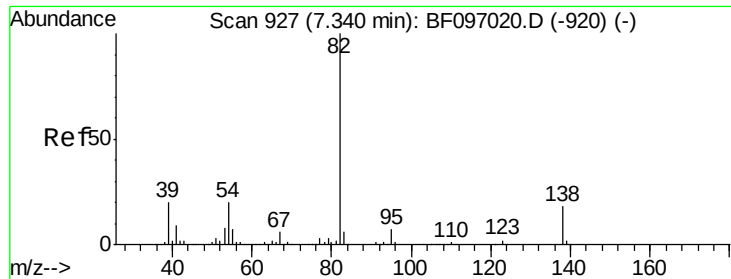


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.22 ng

RT: 7.26 min Scan# 914

Delta R.T. -0.08 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampleId :

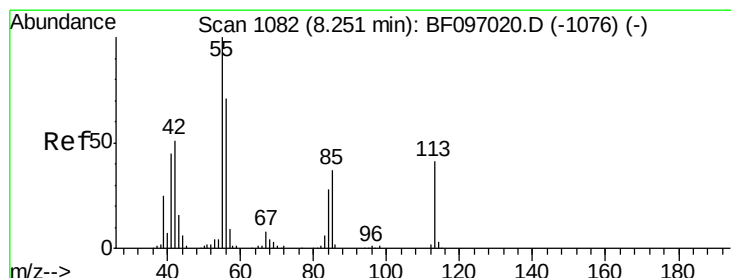
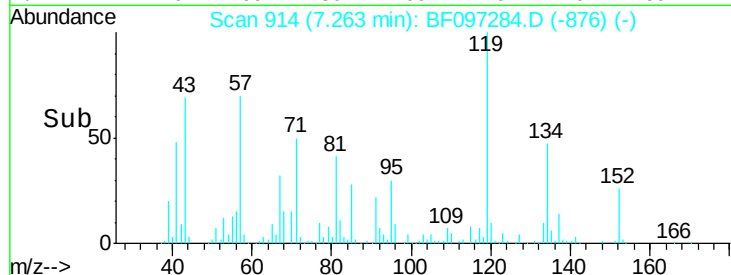
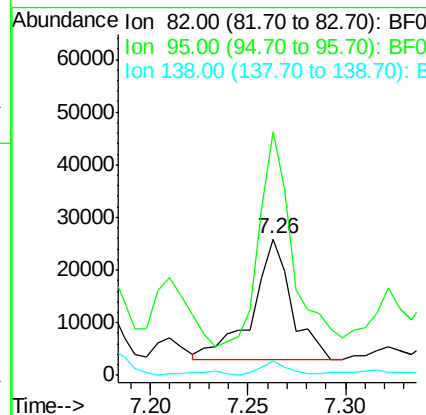
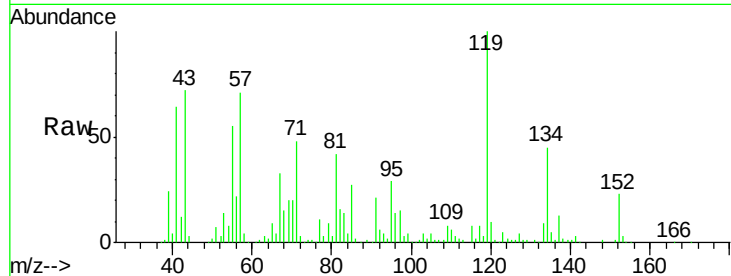
Tot Ion: 82 Resp: 31829

Ion Ratio Lower Upper

82 100

95 178.3 5.3 7.9#

138 10.9 13.1 19.7#



#35

Caprolactam

Concen: 13.87 ng

RT: 8.19 min Scan# 1071

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

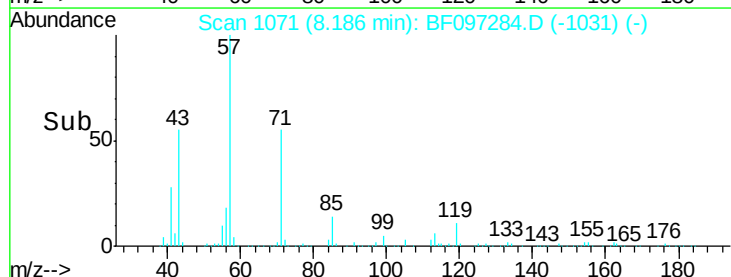
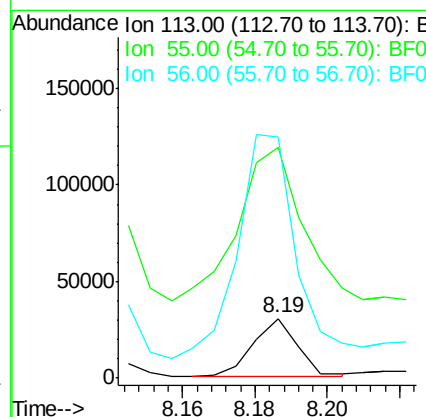
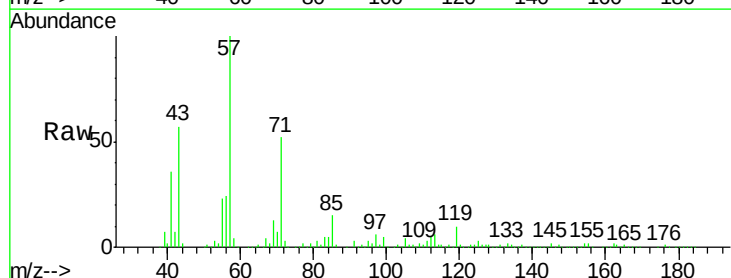
Tgt Ion: 113 Resp: 26090

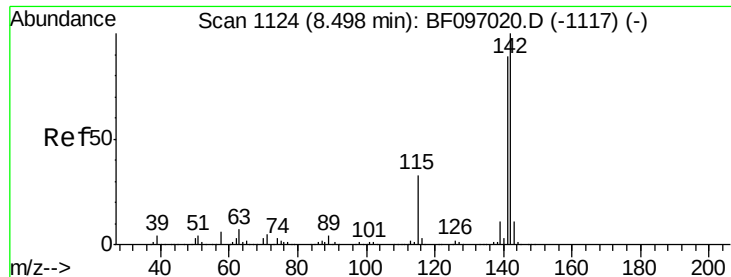
Ion Ratio Lower Upper

113 100

55 386.8 150.2 190.2#

56 403.4 107.8 147.8#

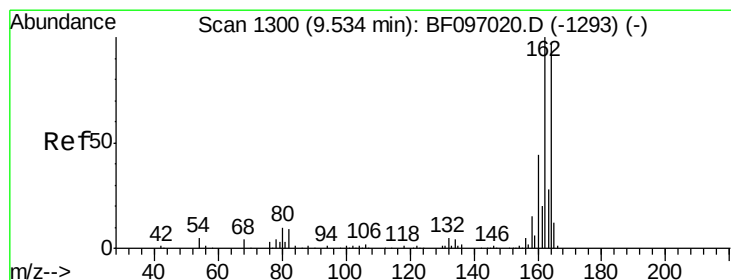
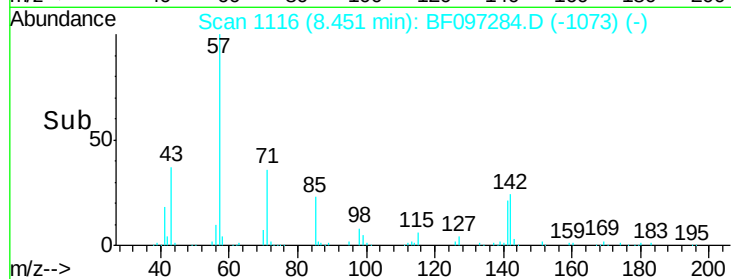
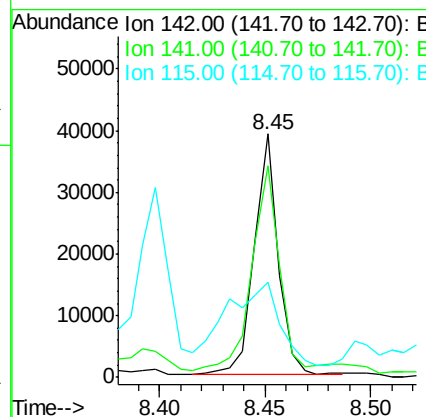
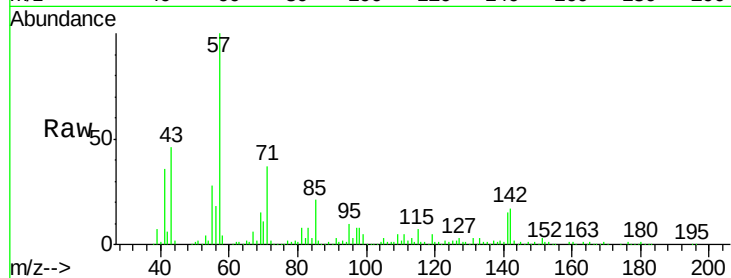




#37
 2-Methylnaphthalene
 Concen: 2.42 ng
 RT: 8.45 min Scan# 1116
 Delta R.T. -0.05 min
 Lab File: BF097284.D
 Acq: 2 Aug 2017 20:16

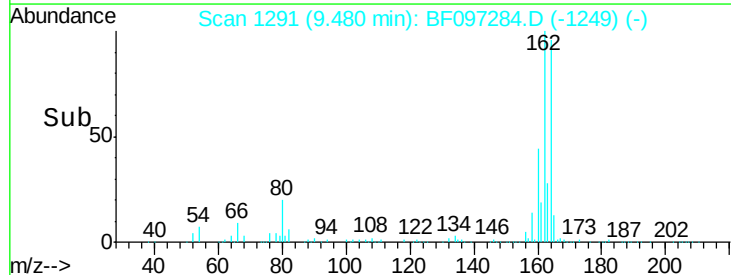
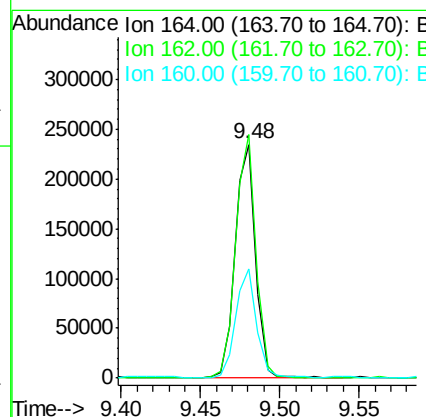
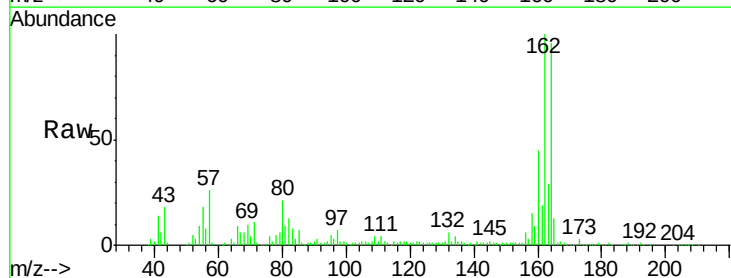
Instrument :
 BNA_F
 ClientSampleId :

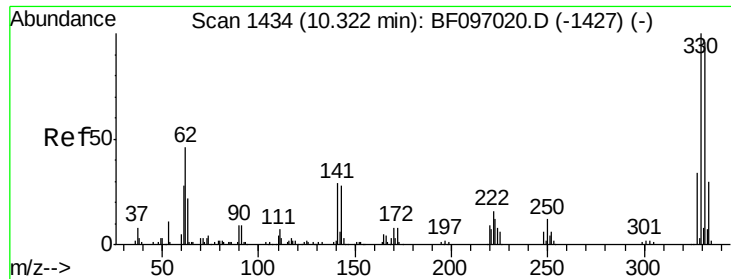
Tot Ion:142 Resp: 31098
 Ion Ratio Lower Upper
 142 100
 141 86.8 71.3 106.9
 115 39.3 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF097284.D
 Acq: 2 Aug 2017 20:16

Tgt Ion:164 Resp: 207321
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.6 123.8
 160 46.7 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 8.86 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampleId :

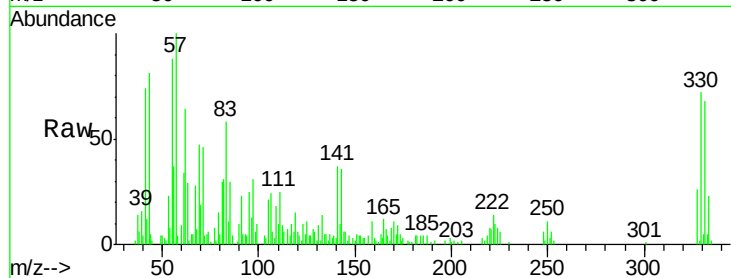
Tot Ion:330 Resp: 14520

Ion Ratio Lower Upper

330 100

332 94.9 76.6 115.0

141 42.0 31.4 47.2

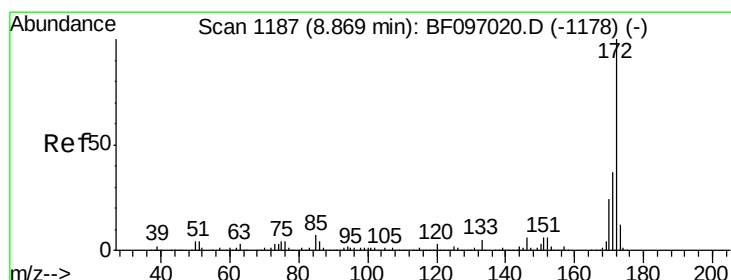
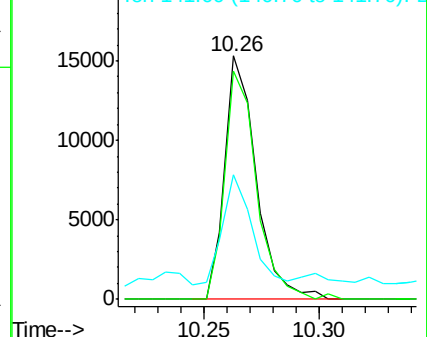
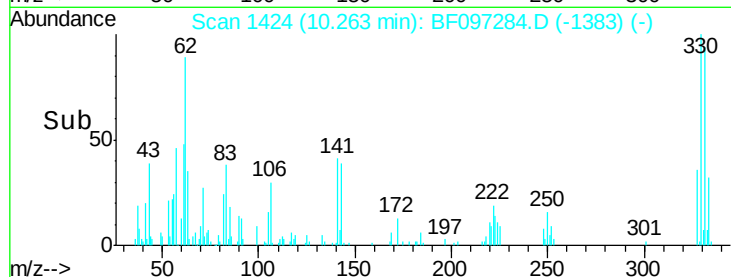


Abundance

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: 7.64 ng

RT: 8.81 min Scan# 1177

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

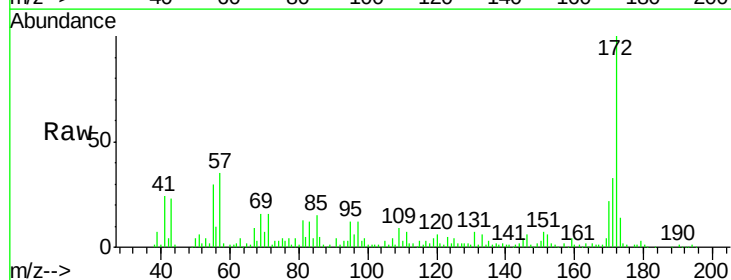
Tgt Ion:172 Resp: 93322

Ion Ratio Lower Upper

172 100

171 33.0 29.6 44.4

170 22.3 19.8 29.8

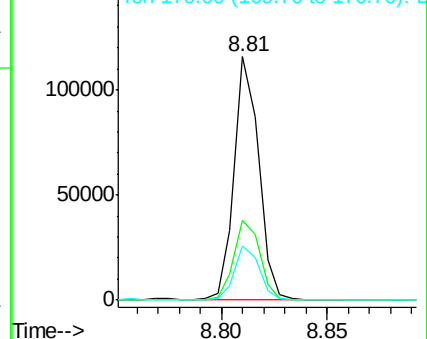
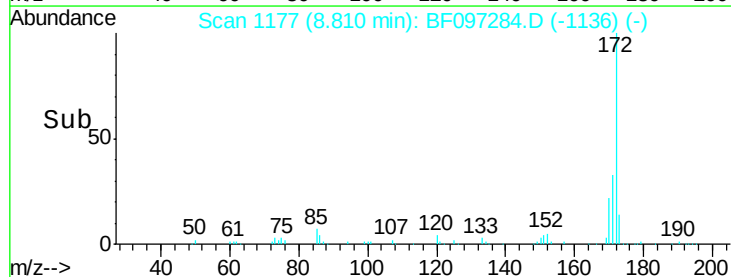


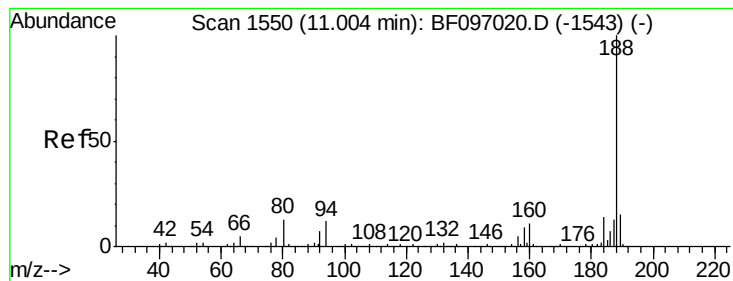
Abundance

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.95 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampleId :

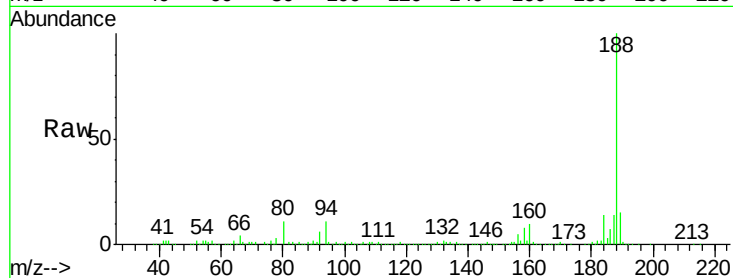
Tot Ion:188 Resp: 291759

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

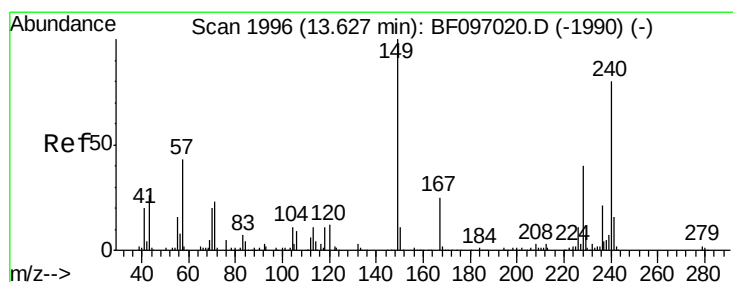
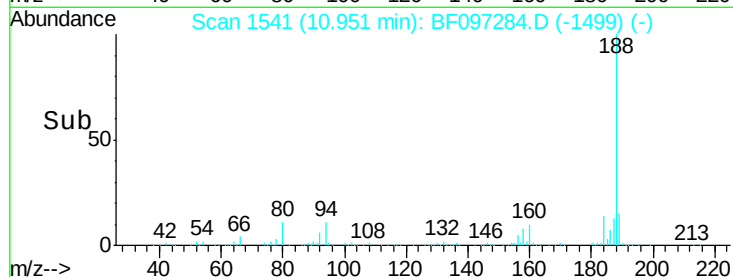
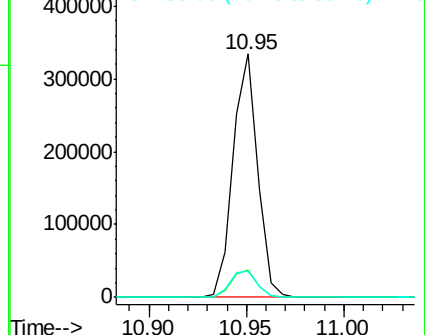
80 10.9 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.57 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

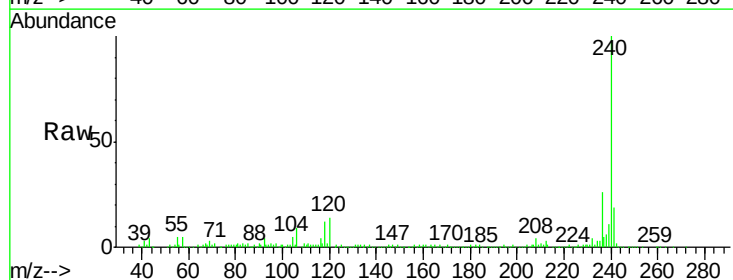
Tgt Ion:240 Resp: 208199

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

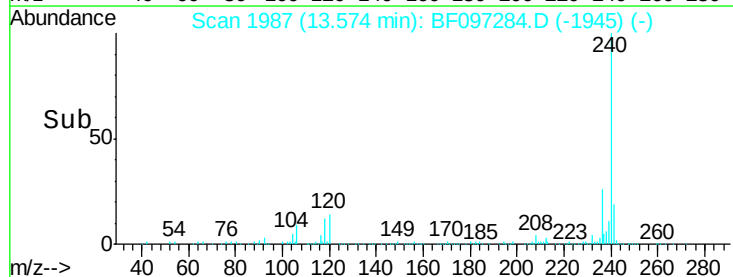
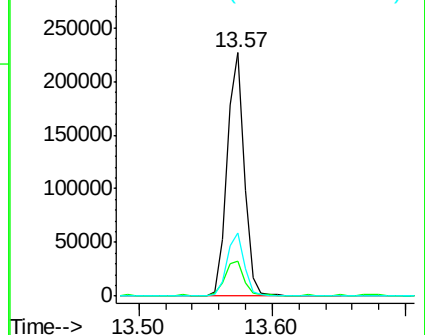
236 26.0 20.5 30.7

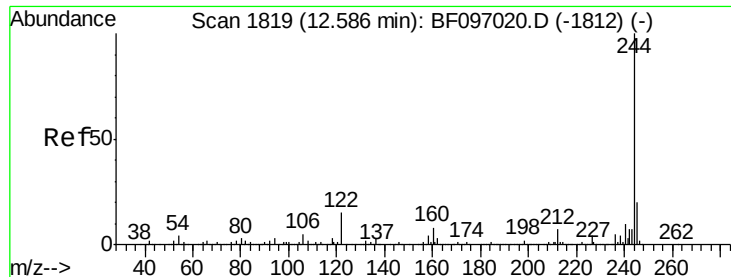


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 5.83 ng

RT: 12.53 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

Instrument :

BNA_F

ClientSampleId :

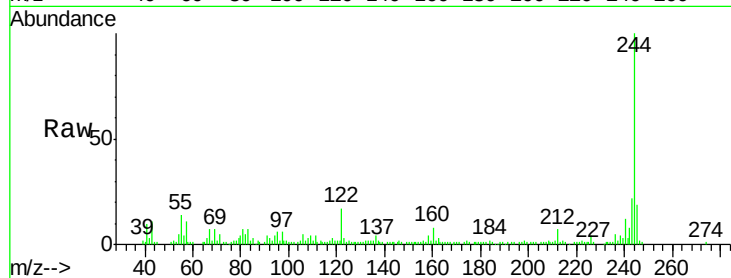
Tot Ion:244 Resp: 59546

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

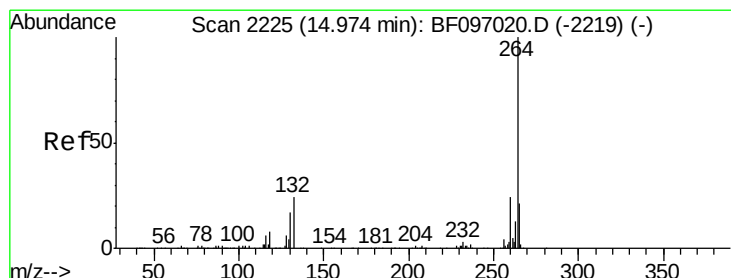
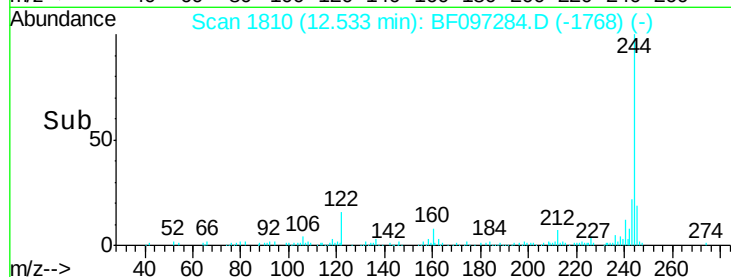
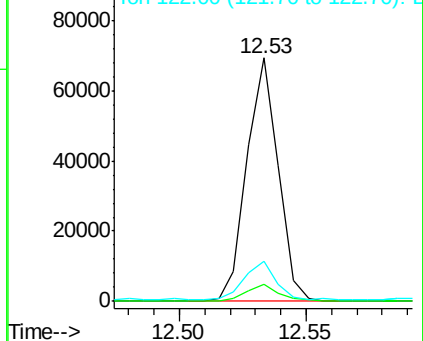
122 16.6 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.92 min Scan# 2215

Delta R.T. -0.06 min

Lab File: BF097284.D

Acq: 2 Aug 2017 20:16

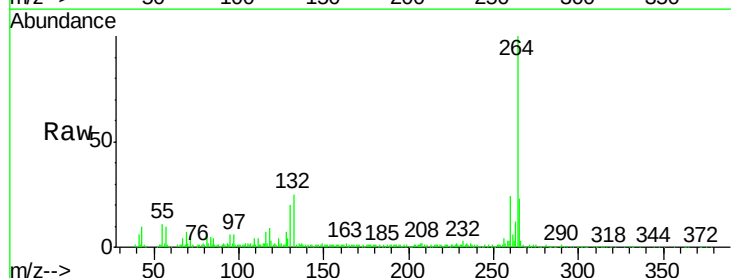
Tgt Ion:264 Resp: 165493

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.5 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

