

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097188.D
 Acq On : 29 Jul 2017 7:43
 Operator : SJ/JU
 Sample : I4421-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-SSW

Quant Time: Jul 31 00:58:41 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	6.49	152	109243	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	420085	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	148201	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	211430	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	178027	20.00	ng	-0.02
86) Perylene-d12	14.96	264	130065	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.09	112	621181	85.72	ng	-0.01
7) Phenol-d6	6.15	99	763379	92.27	ng	-0.02
23) Nitrobenzene-d5	7.05	82	436020	60.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	84904	72.51	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	502788	57.58	ng	-0.02
78) Terphenyl-d14	12.57	244	284744	32.61	ng	-0.02

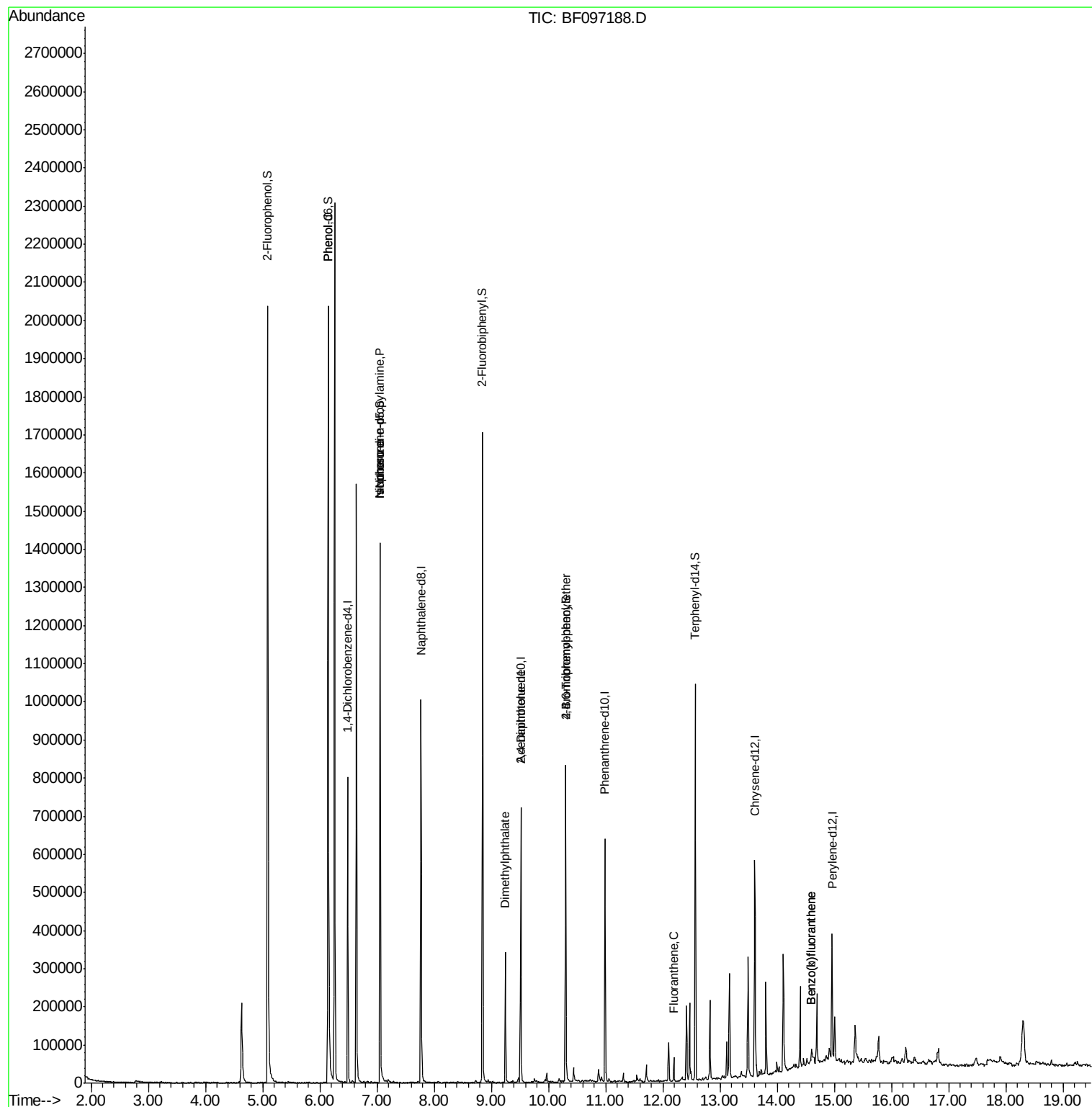
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.16	94	29495	3.01	ng	# 76
19) n-Nitroso-di-n-propylamine	7.05	70	57428	10.55	ng	# 86
25) Isophorone	7.05	82	429755	30.64	ng	# 67
49) Dimethylphthalate	9.25	163	118818	10.56	ng	99
56) 2,4-Dinitrotoluene	9.51	165	18904	6.89	ng	# 31
66) 4-Bromophenyl-phenylether	10.30	248	5590	2.65	ng	# 1
74) Fluoranthene	12.19	202	22724	2.05	ng	98
87) Benzo(b)fluoranthene	14.60	252	17750	2.27	ng	# 87
88) Benzo(k)fluoranthene	14.60	252	17750	2.38	ng	# 92

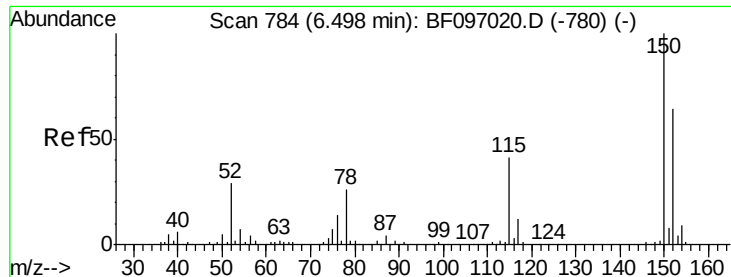
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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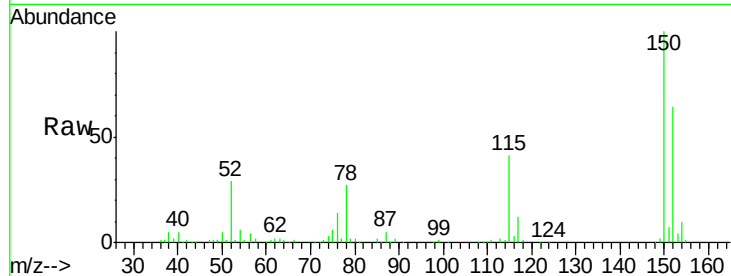


#1

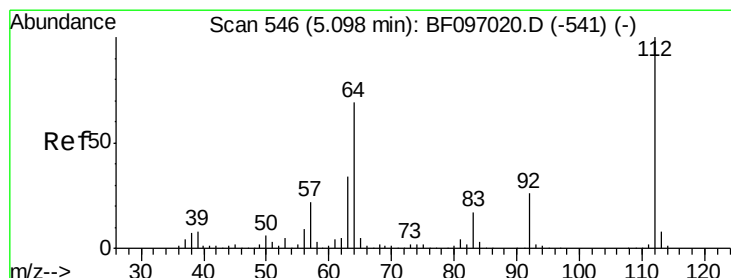
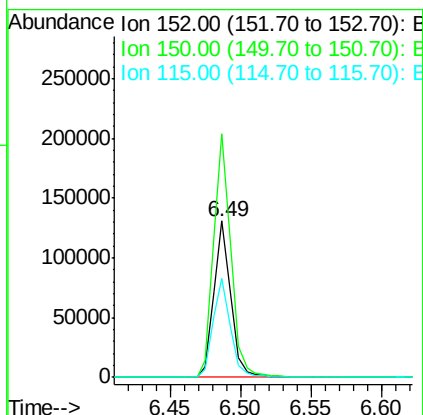
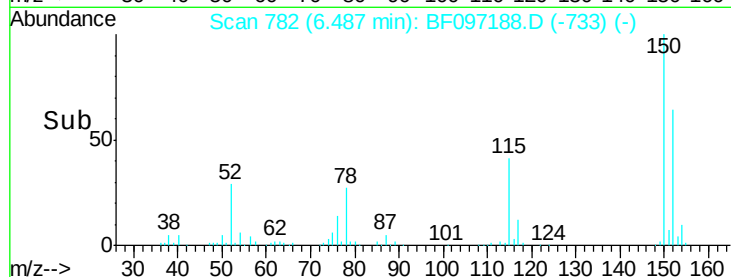
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

Instrument :
BNA_F
ClientSampleId :
E2-HS5-SSW

Tot Ion:152 Resp: 109243
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 63.2 52.2 78.2



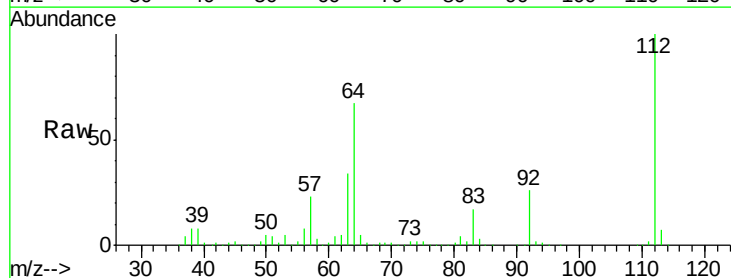
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



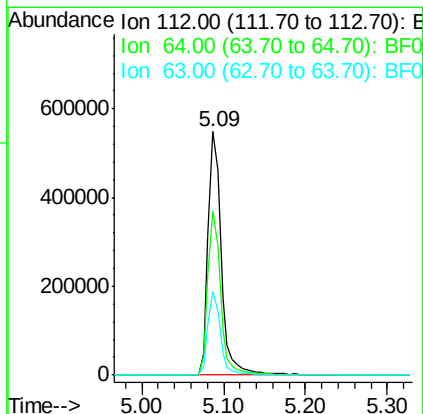
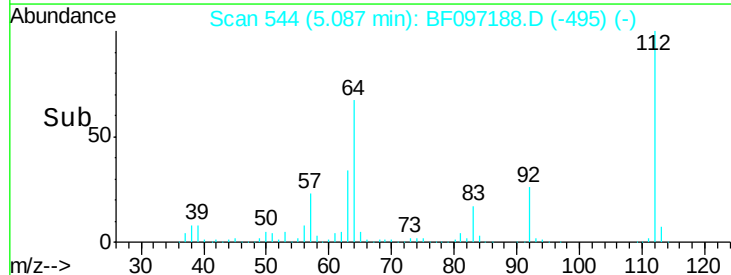
#5

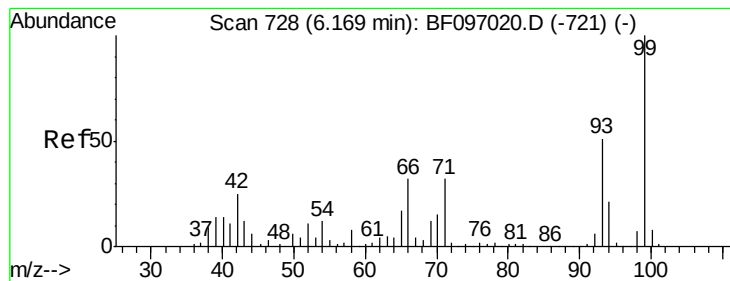
2-Fluorophenol
Concen: 85.72 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

Tgt Ion:112 Resp: 621181
Ion Ratio Lower Upper
112 100
64 67.4 46.0 69.0
63 34.3 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: 92.27 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

Instrument :

BNA_F

ClientSampleId :

E2-HS5-SSW

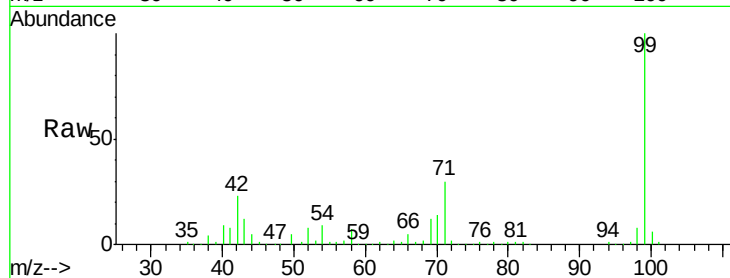
Tot Ion: 99 Resp: 763379

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

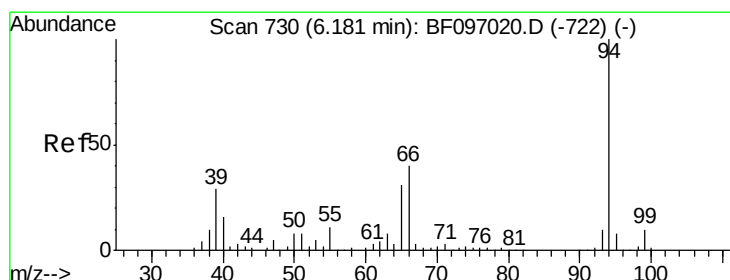
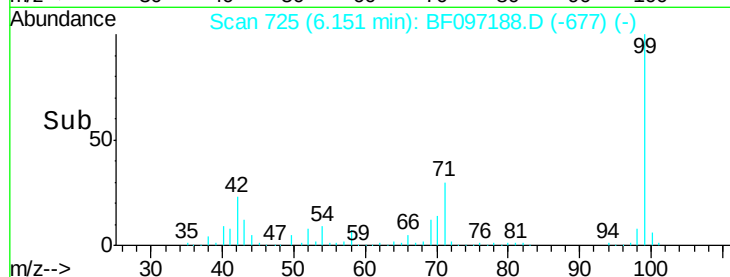
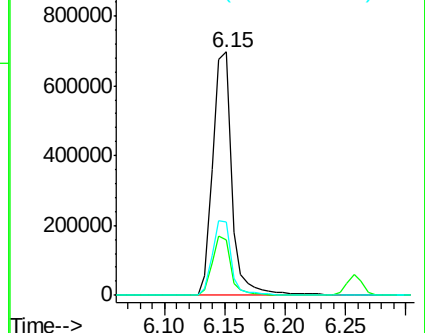
71 30.2 24.5 36.7



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: 3.01 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

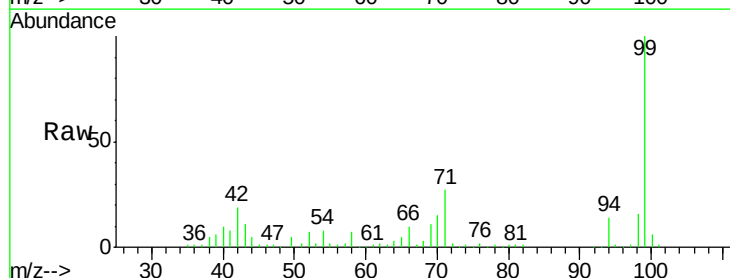
Tgt Ion: 94 Resp: 29495

Ion Ratio Lower Upper

94 100

65 33.0 9.9 49.9

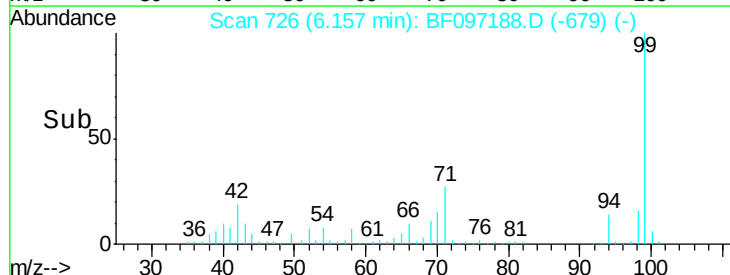
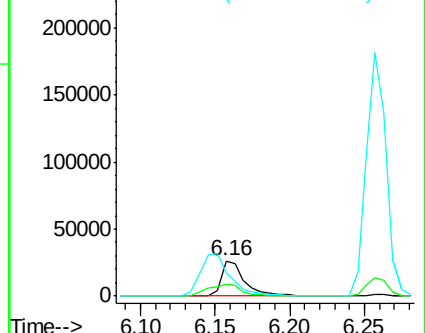
66 66.1 23.1 63.1#

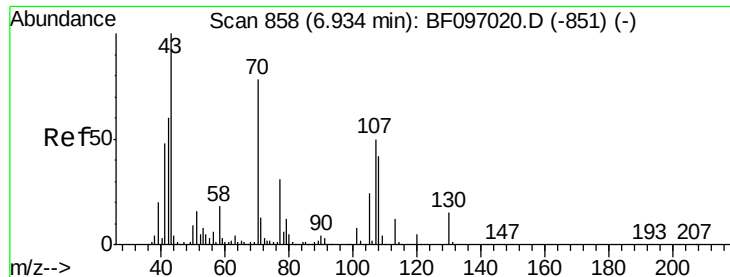


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

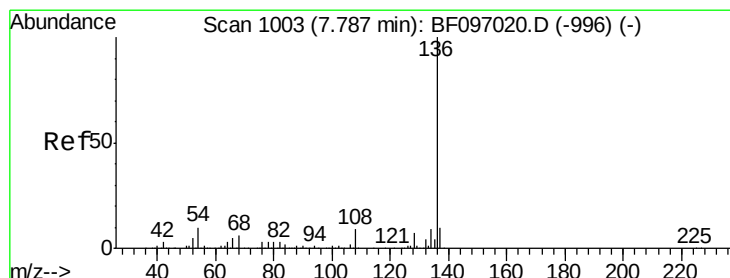
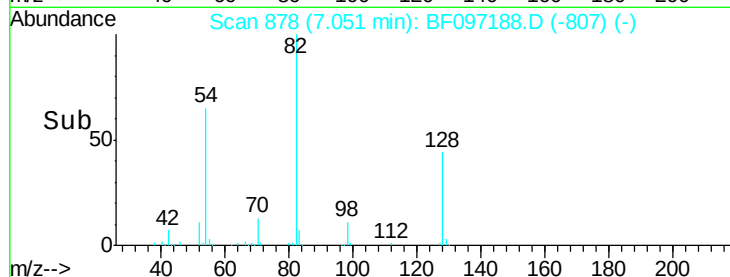
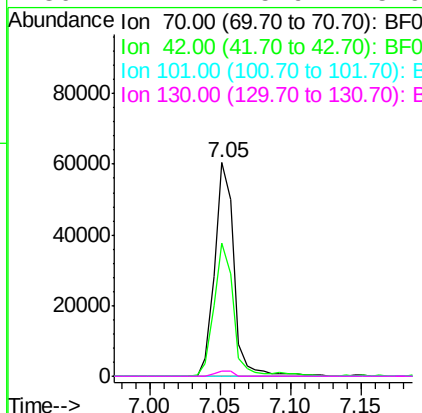
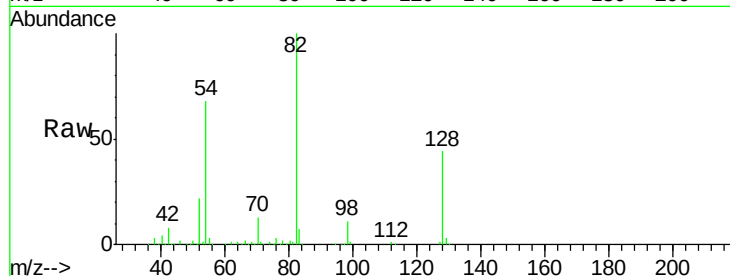




#19
n-Nitroso-di-n-propylamine
Concen: 10.55 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

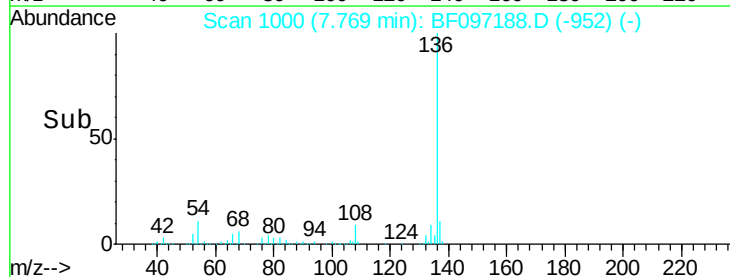
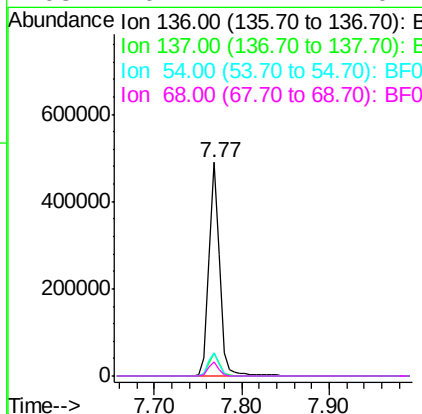
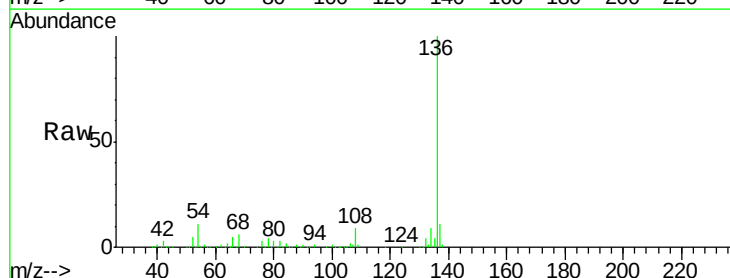
Instrument :
BNA_F
ClientSampleId :
E2-HS5-SSW

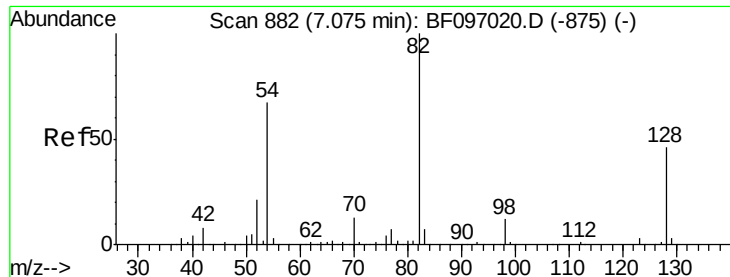
Tot Ion: 70 Resp: 57428
Ion Ratio Lower Upper
70 100
42 62.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

Tgt Ion:136 Resp: 420085
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.0 4.9 7.3#
68 6.4 4.1 6.1#

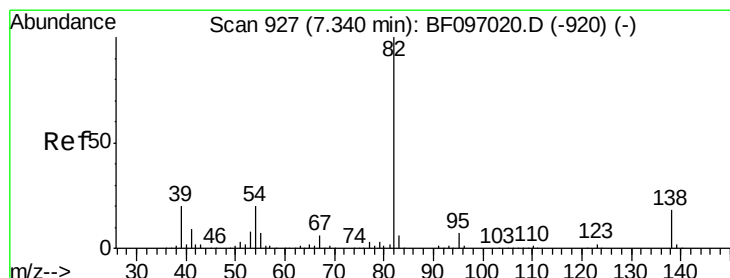
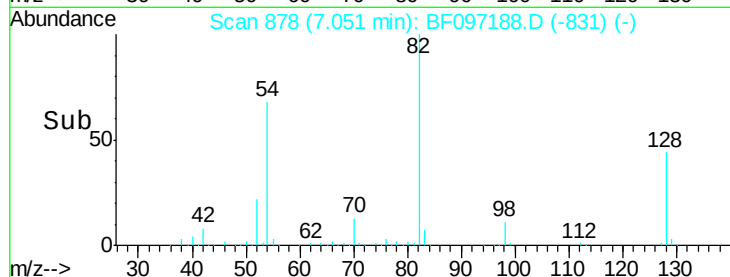
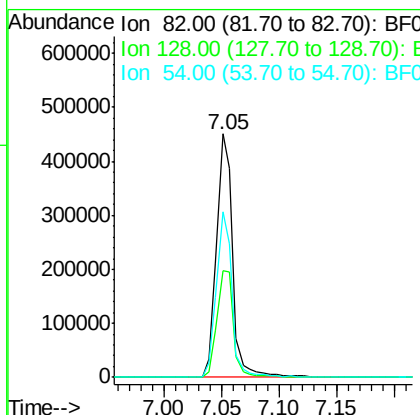
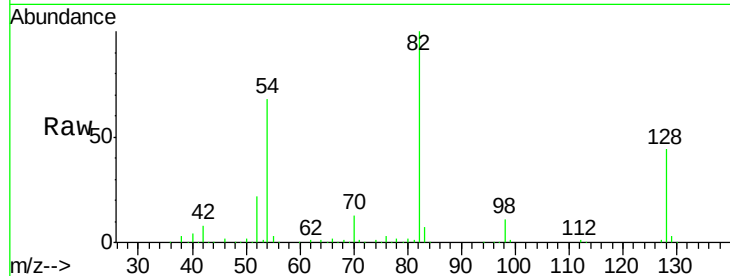




#23
 Nitrobenzene-d5
 Concen: 60.89 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

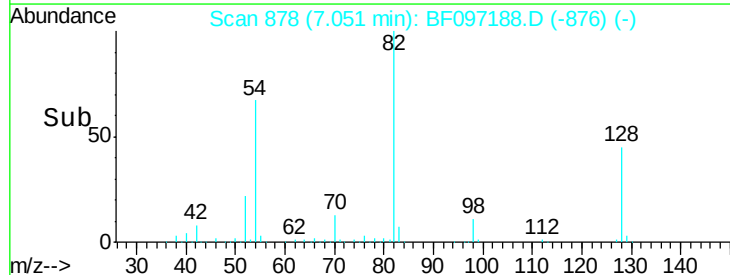
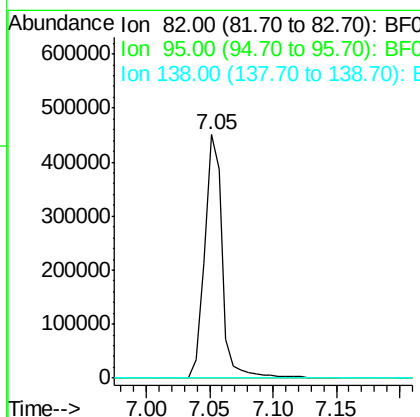
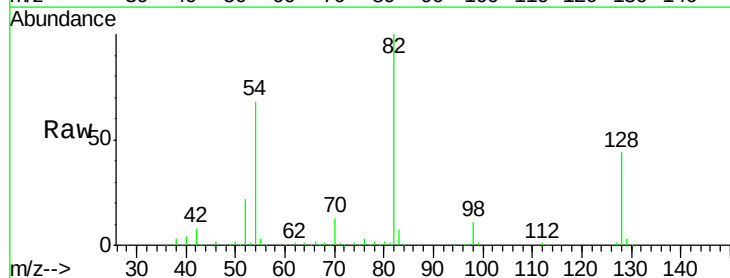
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-SSW

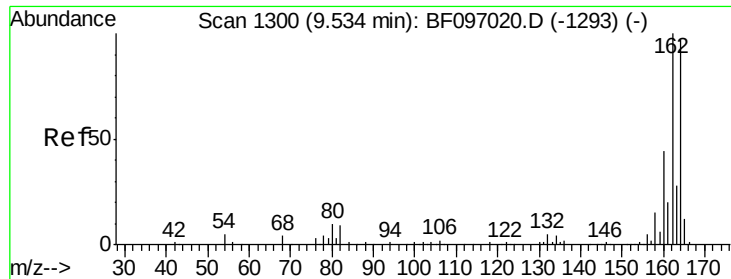
Tot Ion: 82 Resp: 436020
 Ion Ratio Lower Upper
 82 100
 128 43.9 34.0 51.0
 54 67.8 42.2 63.2#



#25
 Isophorone
 Concen: 30.64 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Tgt Ion: 82 Resp: 429755
 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: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

Instrument :

BNA_F

ClientSampleId :

E2-HS5-SSW

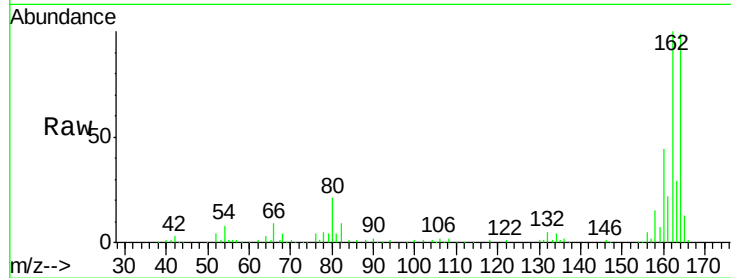
Tot Ion:164 Resp: 148201

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

160 44.8 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

200000

150000

100000

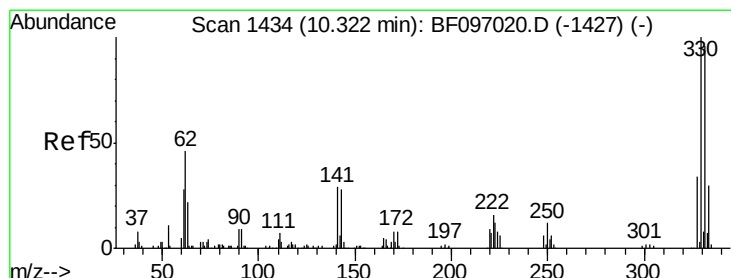
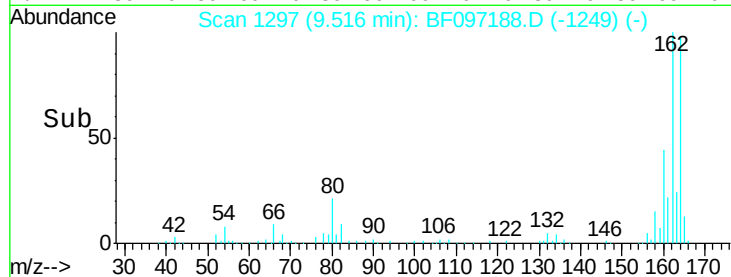
50000

0

9.52

9.45 9.50 9.55

Time-->



#41

2,4,6-Tribromophenol

Concen: 72.51 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

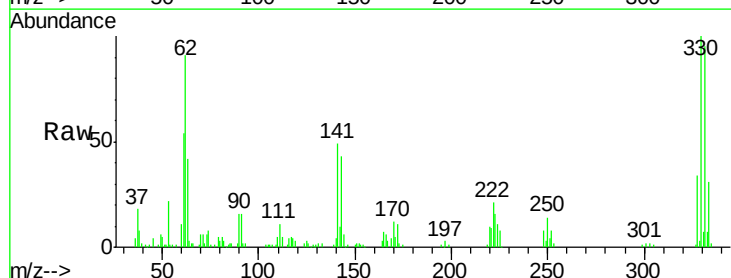
Tgt Ion:330 Resp: 84904

Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

141 41.7 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

100000

80000

60000

40000

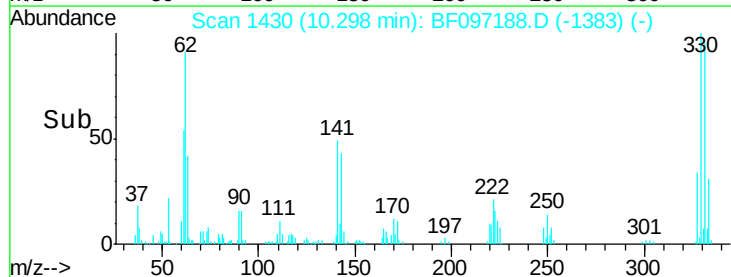
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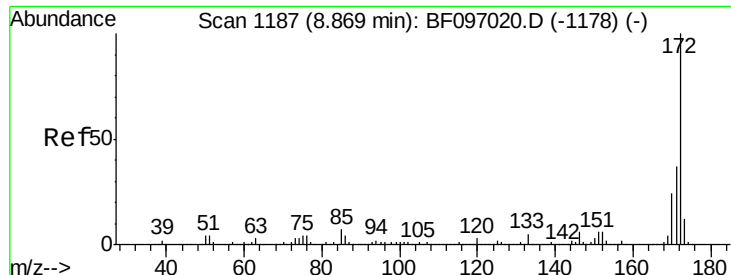
0

10.30

10.25 10.30 10.35 10.40

Time-->

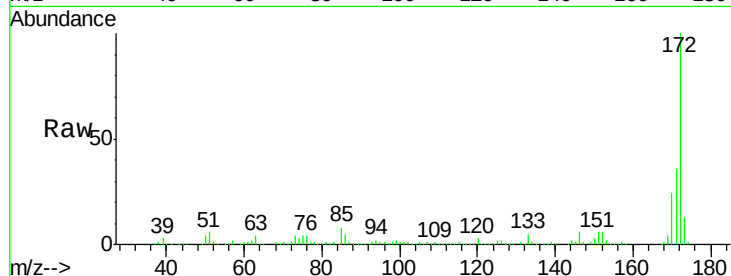




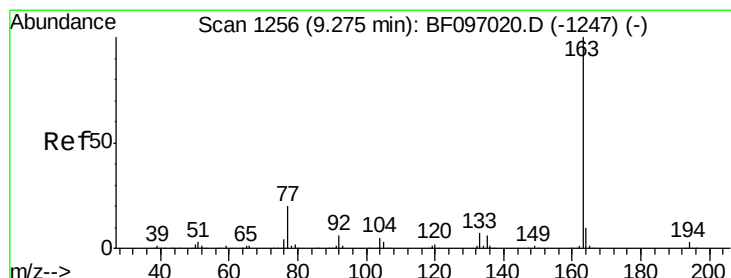
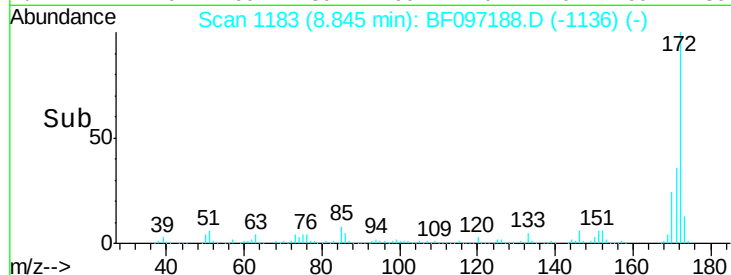
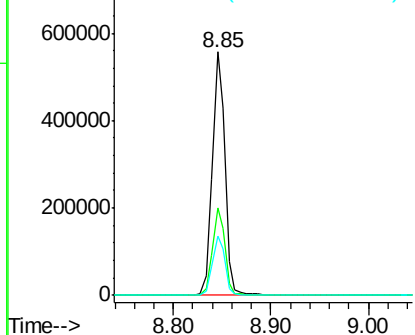
#44
 2-Fluorobiphenyl
 Concen: 57.58 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-SSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.4	19.8	29.8

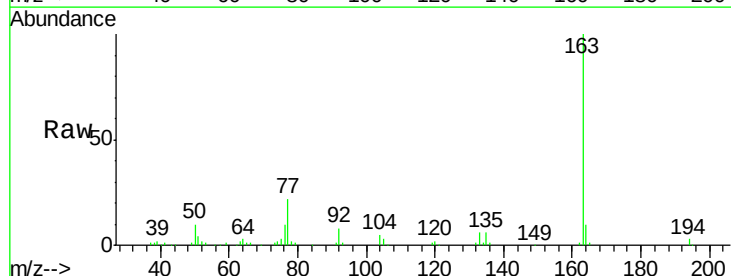


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

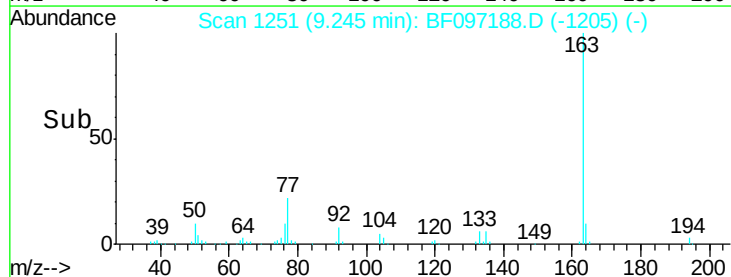
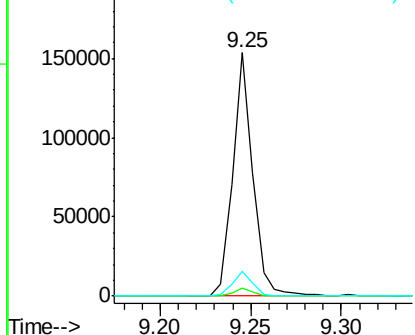


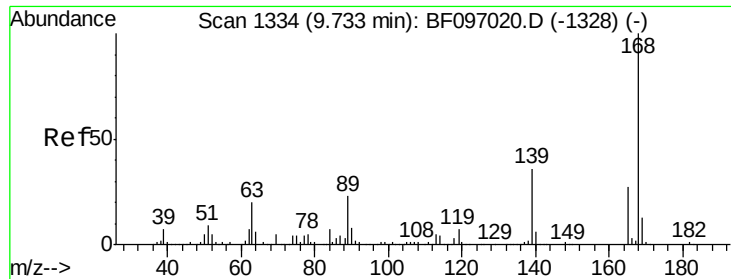
#49
 Dimethylphthalate
 Concen: 10.56 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.2	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.89 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

Instrument :

BNA_F

ClientSampleId :

E2-HS5-SSW

Tot Ion:165 Resp: 18904

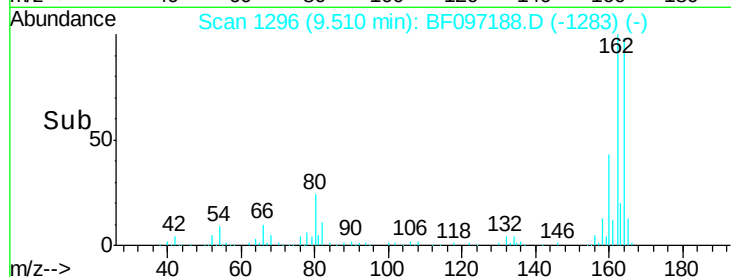
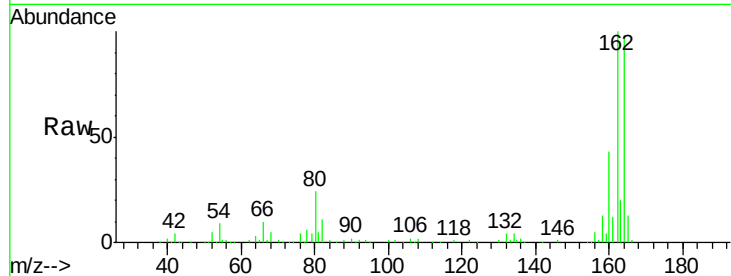
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

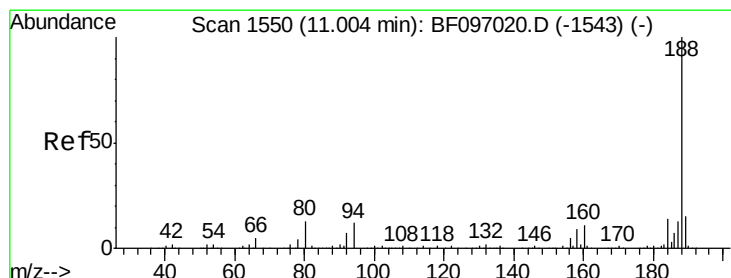
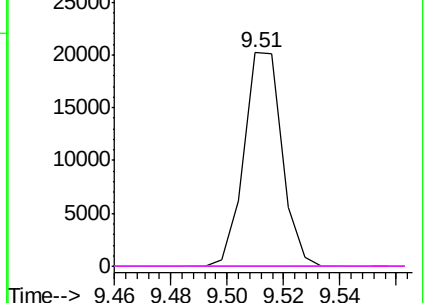


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

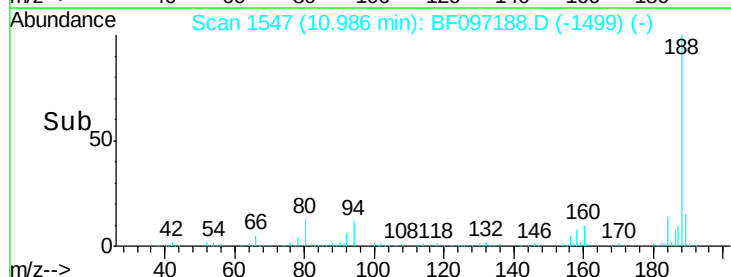
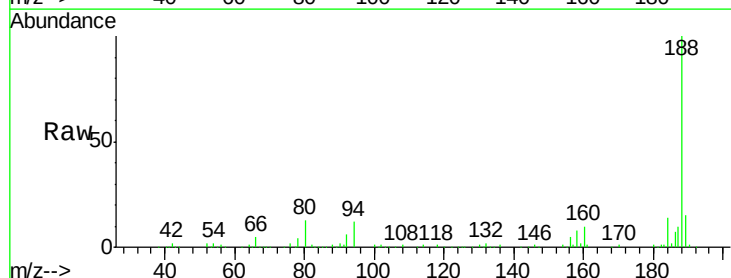
Tgt Ion:188 Resp: 211430

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

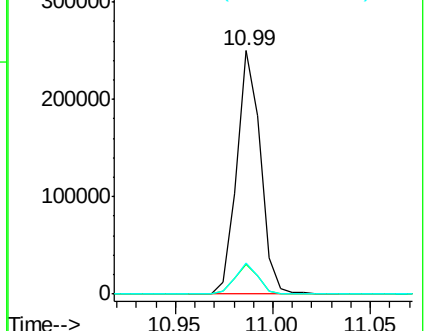
80 12.9 10.2 15.2

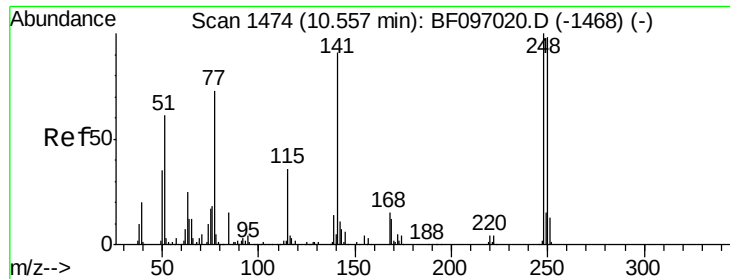


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

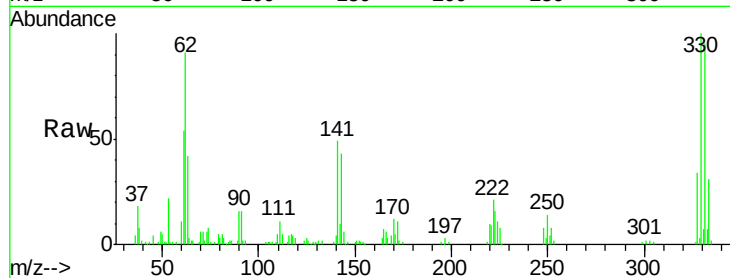




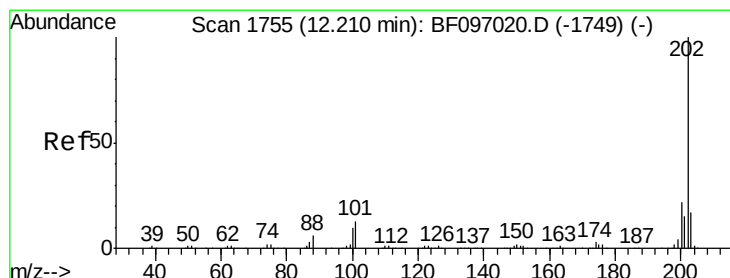
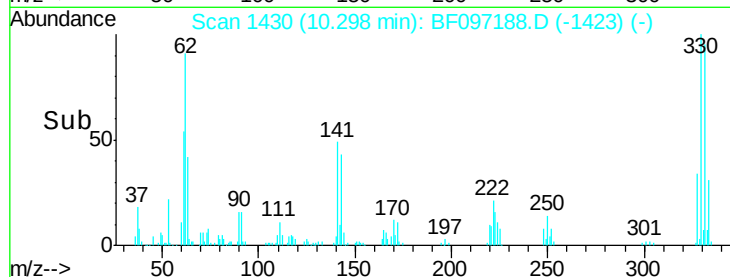
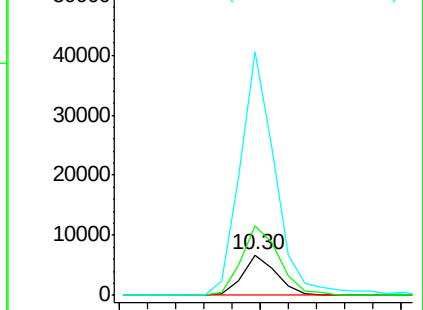
#66
 4-Bromophenyl-phenylether
 Concen: 2.65 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-SSW

Tot Ion:248 Resp: 5590
 Ion Ratio Lower Upper
 248 100
 250 171.8 76.8 115.2#
 141 605.3 68.6 103.0#

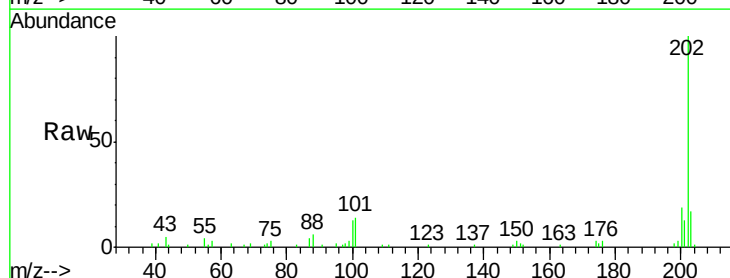


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

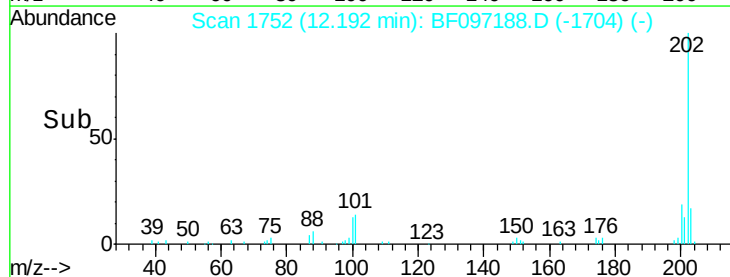
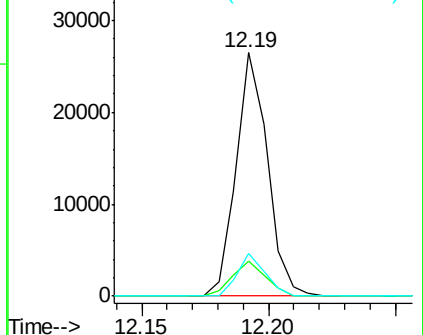


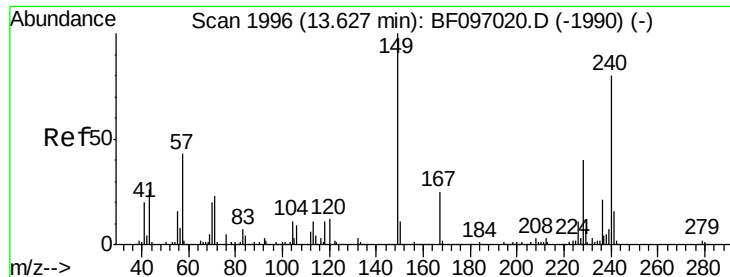
#74
 Fluoranthene
 Concen: 2.05 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Tgt Ion:202 Resp: 22724
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.2
 203 17.4 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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

Instrument :

BNA_F

ClientSampleId :

E2-HS5-SSW

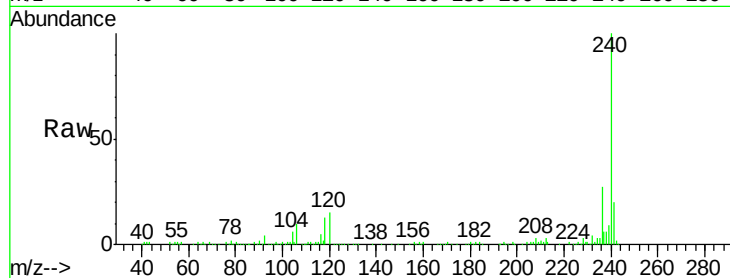
Tot Ion:240 Resp: 178027

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

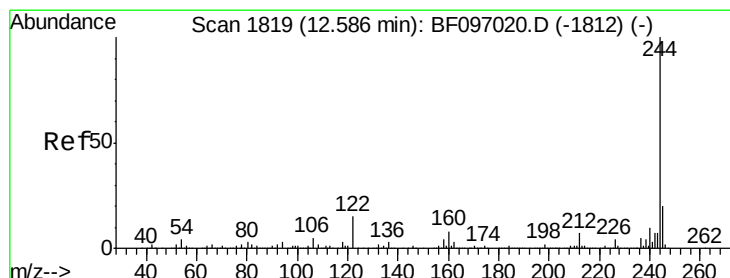
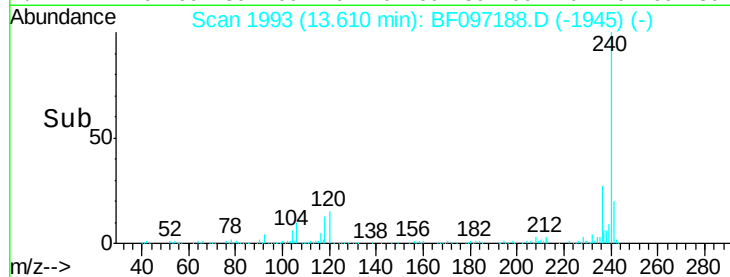
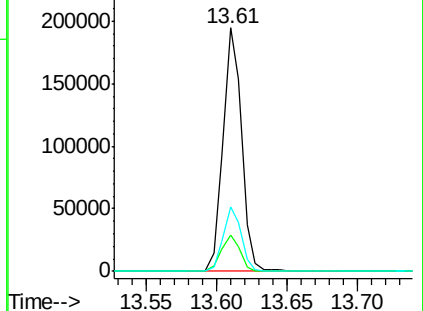
236 26.7 20.5 30.7



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: 32.61 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097188.D

Acq: 29 Jul 2017 7:43

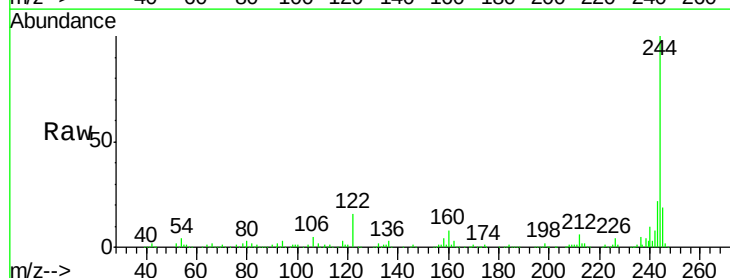
Tgt Ion:244 Resp: 284744

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

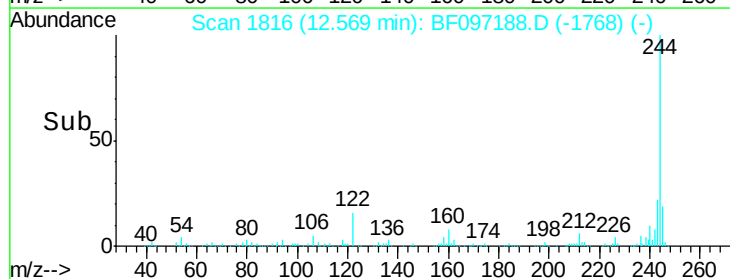
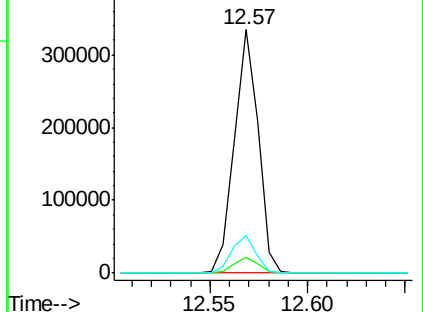
122 15.7 10.3 15.5#

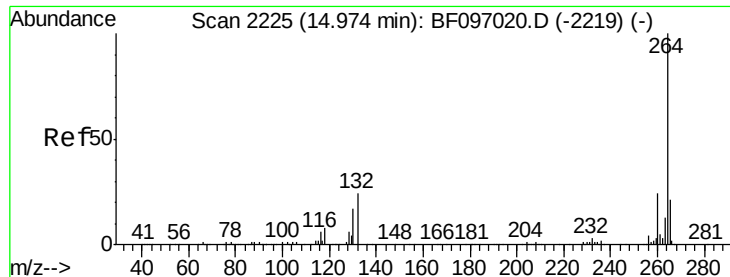


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

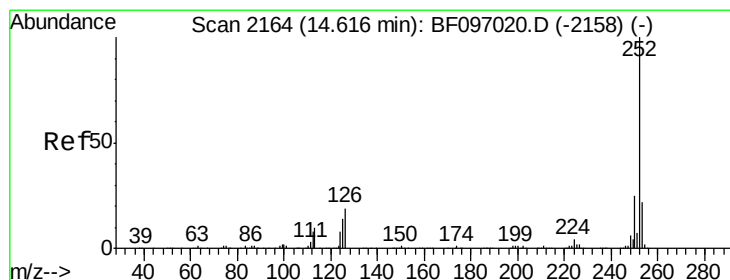
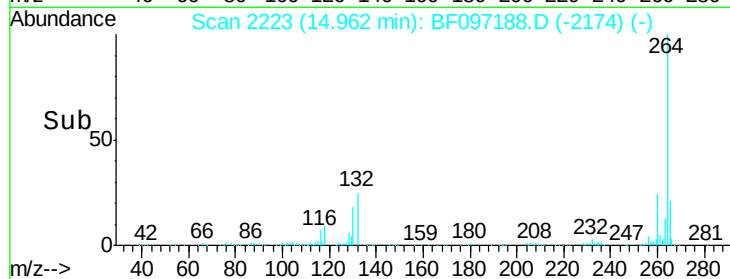
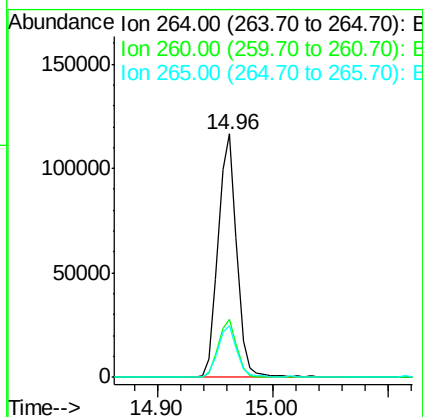
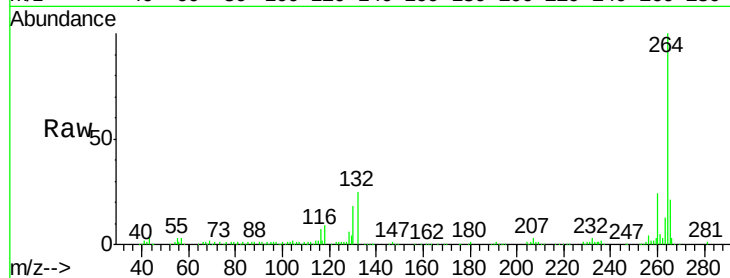




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

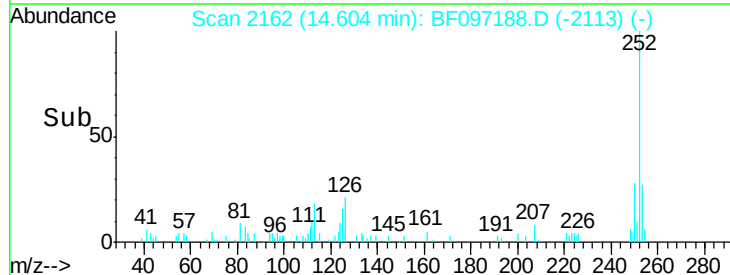
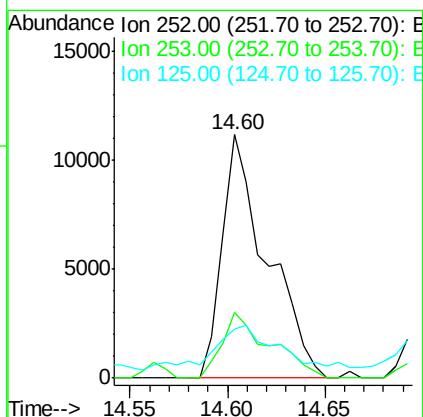
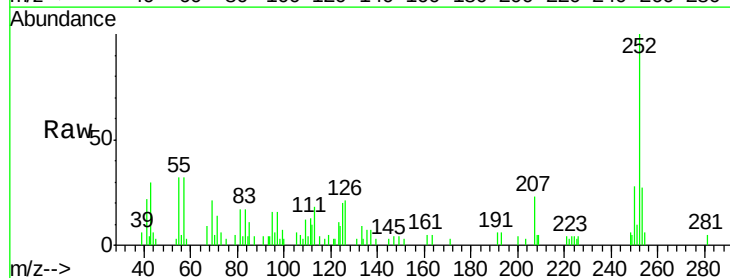
Instrument :
BNA_F
ClientSampleId :
E2-HS5-SSW

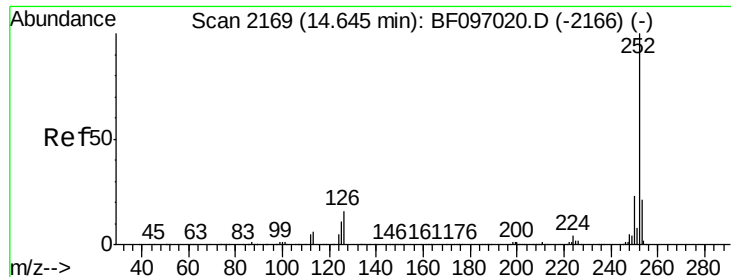
Tot Ion:264 Resp: 130065
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.27 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097188.D
Acq: 29 Jul 2017 7:43

Tgt Ion:252 Resp: 17750
Ion Ratio Lower Upper
252 100
253 27.1 18.1 27.1
125 19.9 9.8 14.8#

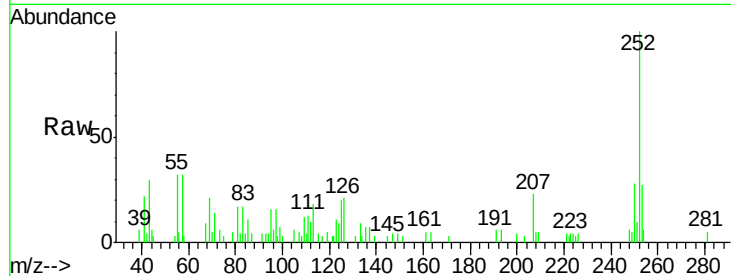




#88
 Benzo(k)fluoranthene
 Concen: 2.38 ng
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.04 min
 Lab File: BF097188.D
 Acq: 29 Jul 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	19.9	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

