

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097256.D
 Acq On : 2 Aug 2017 6:05
 Operator : SJ/JU
 Sample : I4527-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS7-BASE

Quant Time: Aug 02 07:14:10 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

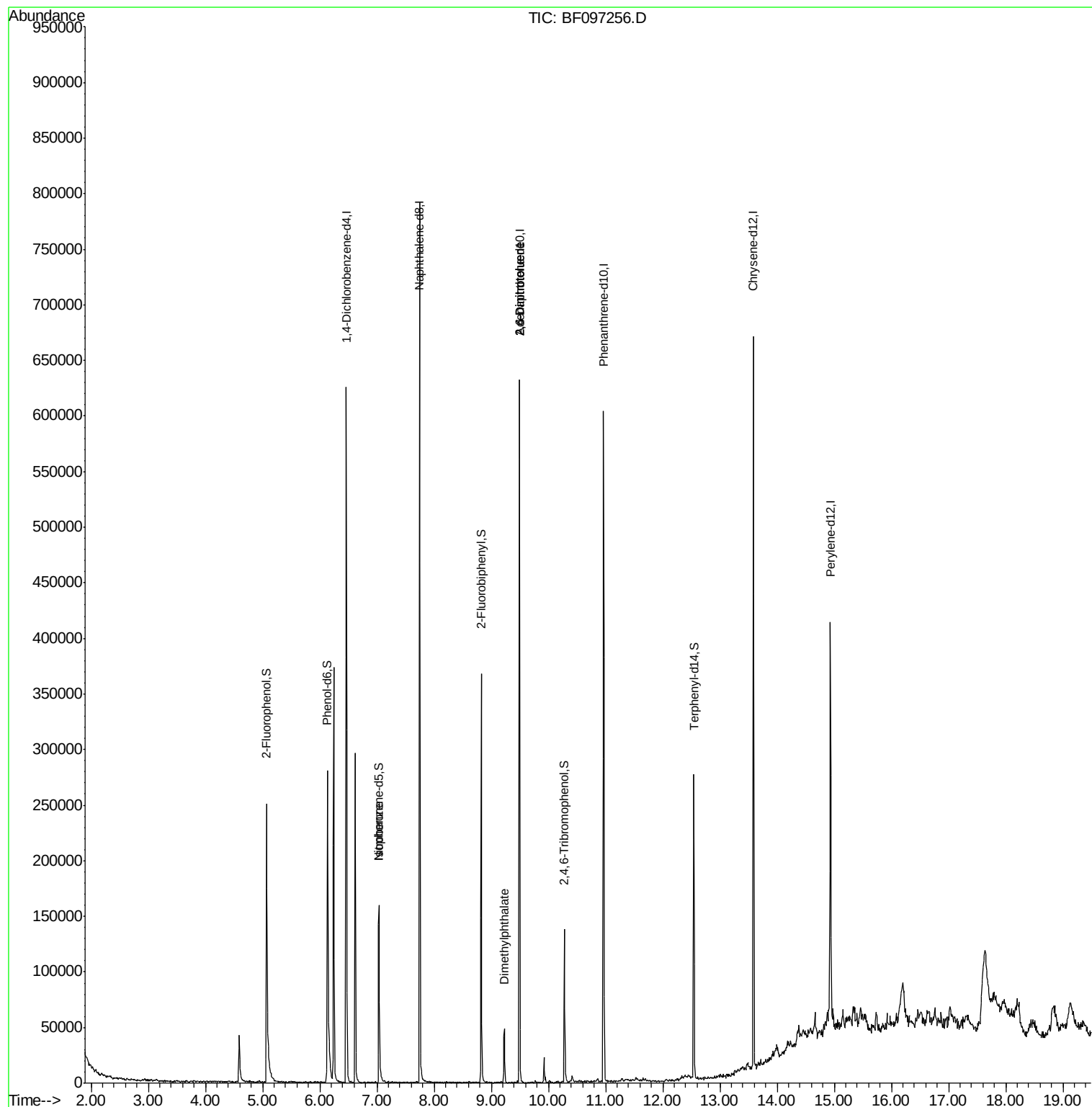
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	89908	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	336944	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	126714	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	198171	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	201656	20.00	ng	-0.04
86) Perylene-d12	14.93	264	139427	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	103634	17.38	ng	-0.03
7) Phenol-d6	6.13	99	122908	18.05	ng	-0.04
23) Nitrobenzene-d5	7.03	82	57443	10.00	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	16301	16.28	ng	-0.04
44) 2-Fluorobiphenyl	8.82	172	108620	14.55	ng	-0.05
78) Terphenyl-d14	12.54	244	77289	7.81	ng	-0.04
Target Compounds						
25) Isophorone	7.03	82	57442	5.11	ng	# 67
49) Dimethylphthalate	9.23	163	21937	2.28	ng	# 96
50) 2,6-Dinitrotoluene	9.49	165	16380	8.03	ng	# 31
56) 2,4-Dinitrotoluene	9.49	165	16380	6.98	ng	# 31

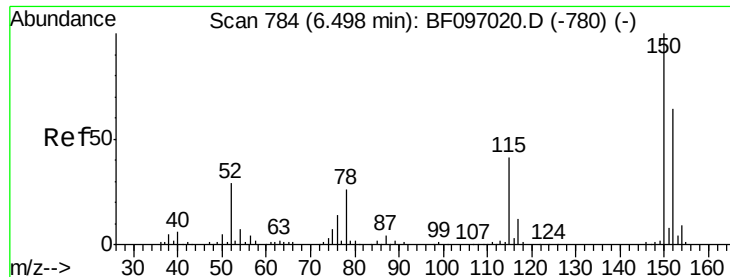
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS7-BASE

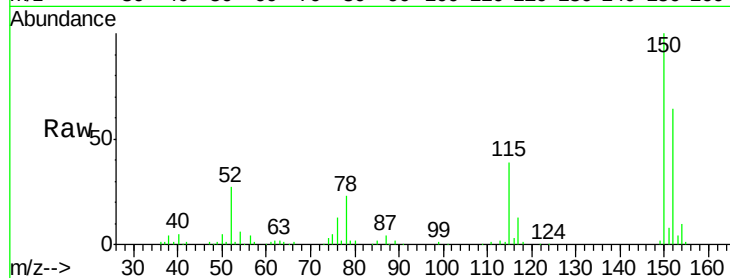
Tot Ion:152 Resp: 89908

Ion Ratio Lower Upper

152 100

150 155.5 126.2 189.2

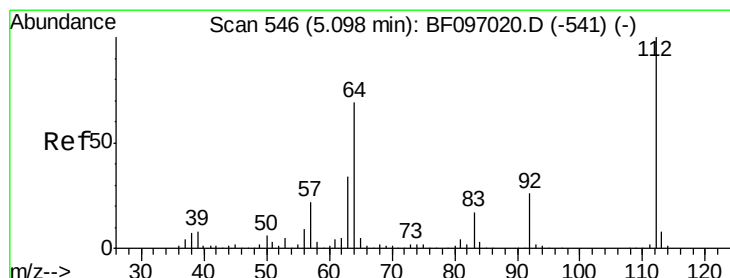
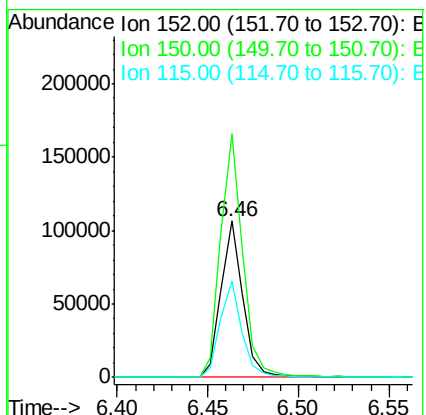
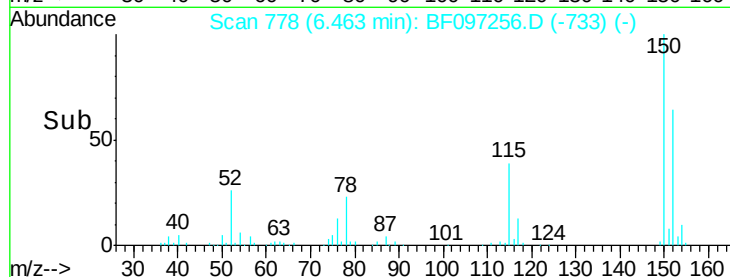
115 61.2 52.2 78.2



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: 17.38 ng

RT: 5.07 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

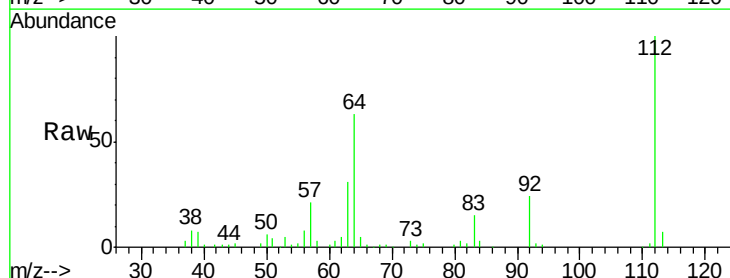
Tgt Ion:112 Resp: 103634

Ion Ratio Lower Upper

112 100

64 62.9 46.0 69.0

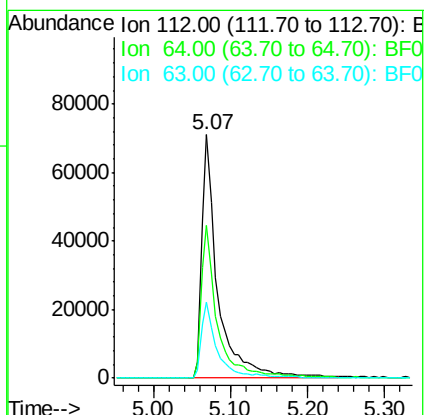
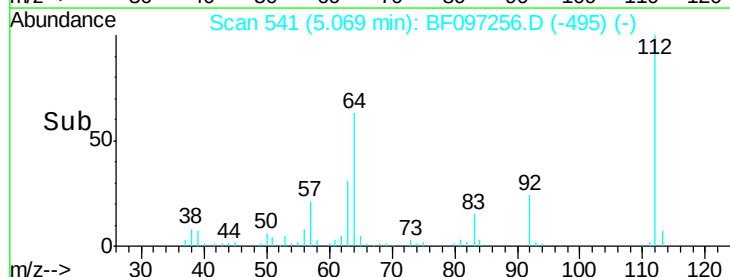
63 31.2 23.4 35.0

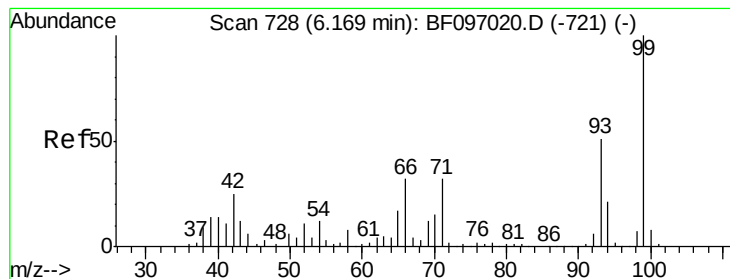


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.05 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS7-BASE

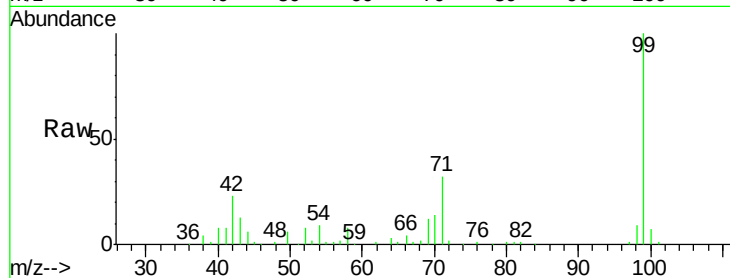
Tot Ion: 99 Resp: 122908

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

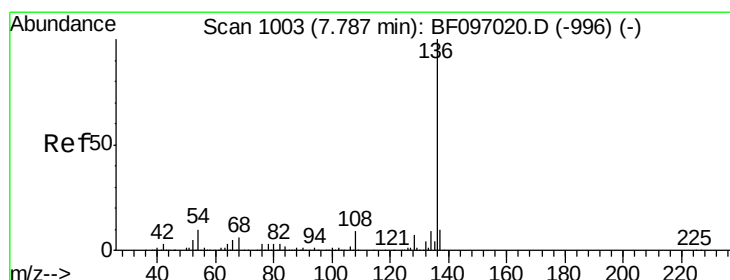
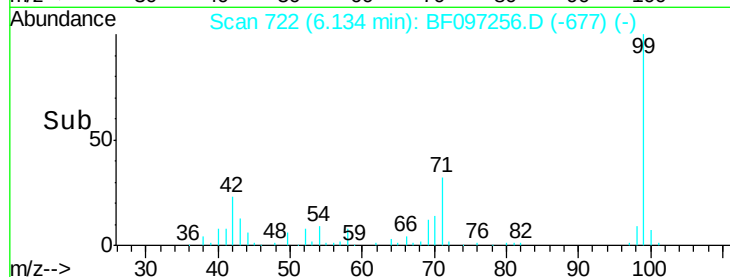
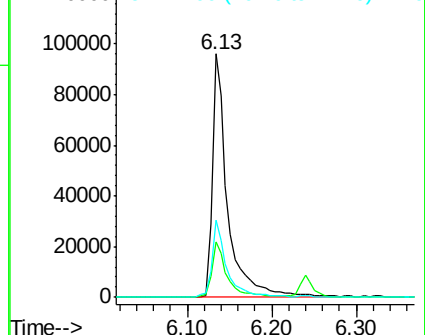
71 31.6 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Tgt Ion: 136 Resp: 336944

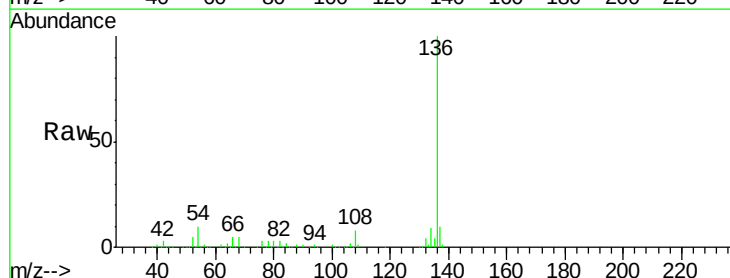
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 9.8 4.9 7.3#

68 5.3 4.1 6.1

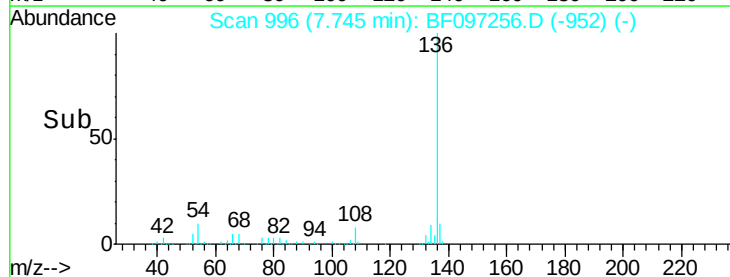
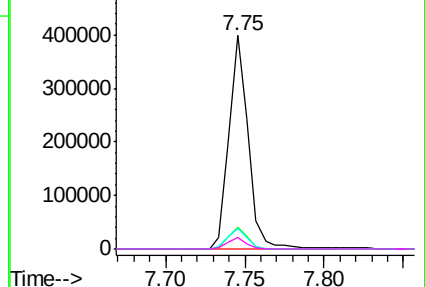


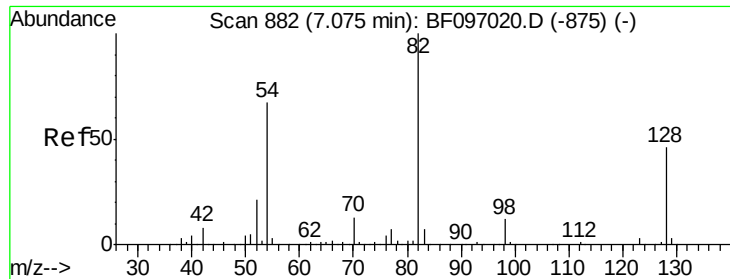
Abundance Ion 136.00 (135.70 to 136.70): E

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

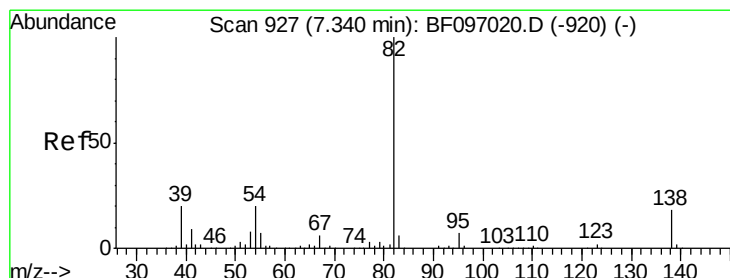
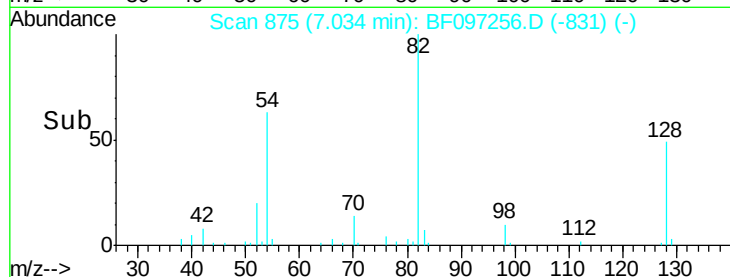
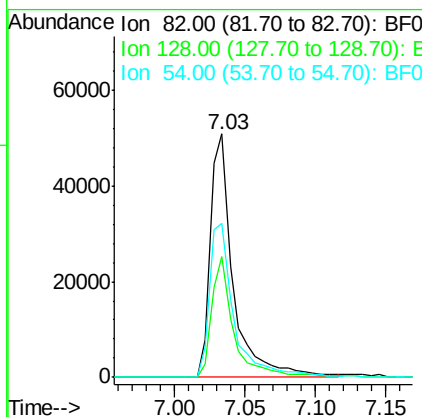
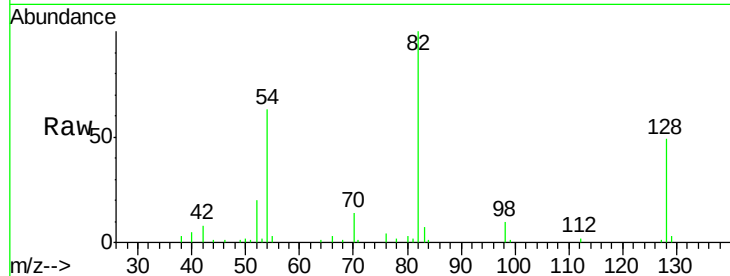




#23
 Nitrobenzene-d5
 Concen: 10.00 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.04 min
 Lab File: BF097256.D
 Acq: 2 Aug 2017 6:05

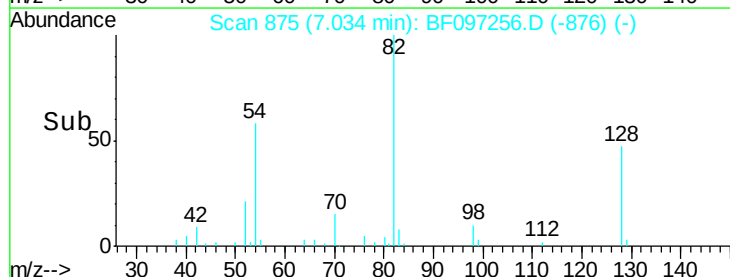
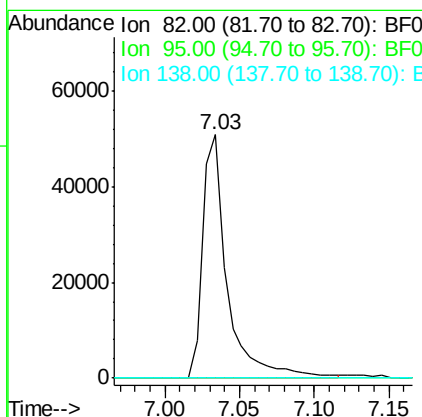
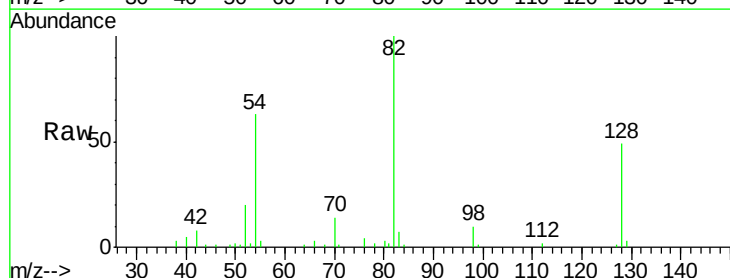
Instrument :
 BNA_F
 ClientSampleId :
 E2-HS7-BASE

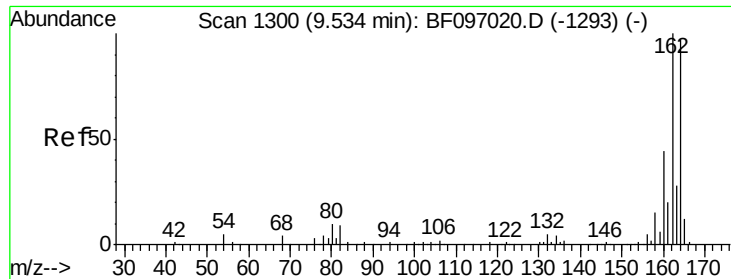
Tot Ion: 82 Resp: 57443
 Ion Ratio Lower Upper
 82 100
 128 49.5 34.0 51.0
 54 63.1 42.2 63.2



#25
 Isophorone
 Concen: 5.11 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.31 min
 Lab File: BF097256.D
 Acq: 2 Aug 2017 6:05

Tgt Ion: 82 Resp: 57442
 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: 9.49 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS7-BASE

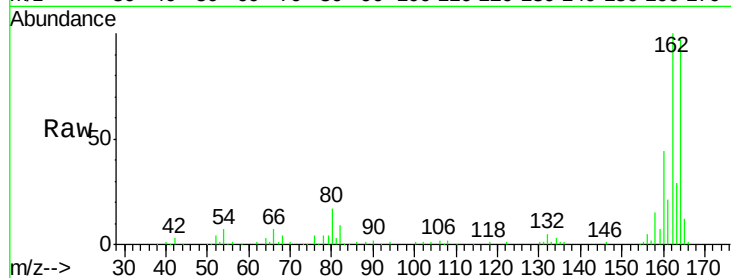
Tot Ion:164 Resp: 126714

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

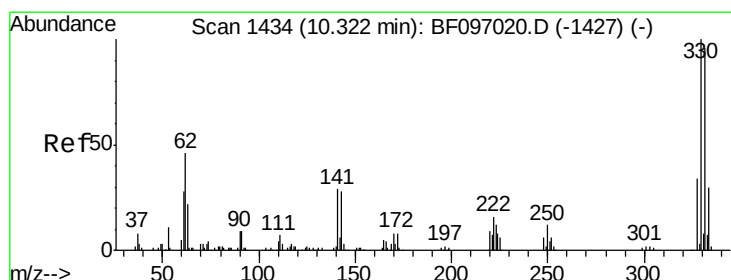
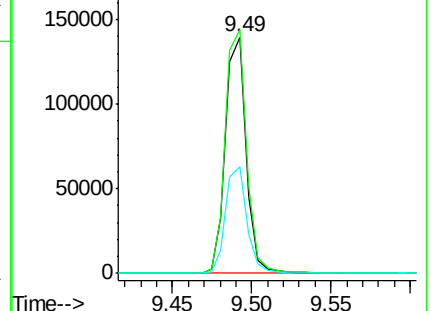
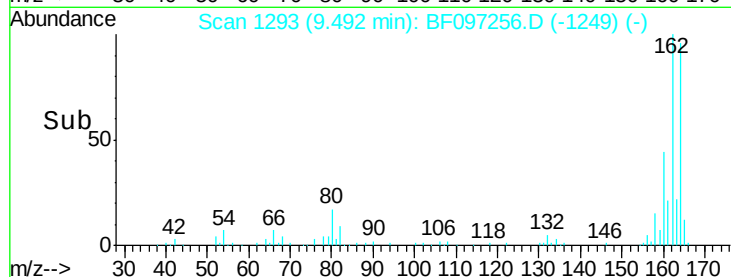
160 44.9 36.2 54.2



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: 16.28 ng

RT: 10.28 min Scan# 1427

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

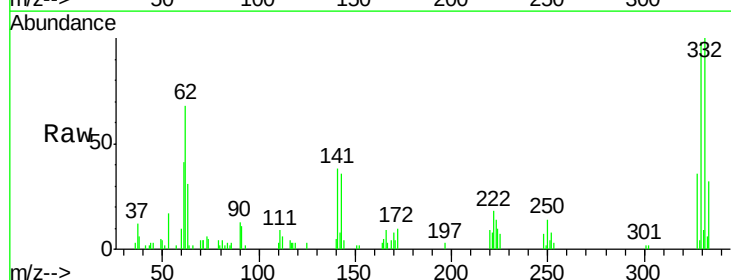
Tgt Ion:330 Resp: 16301

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

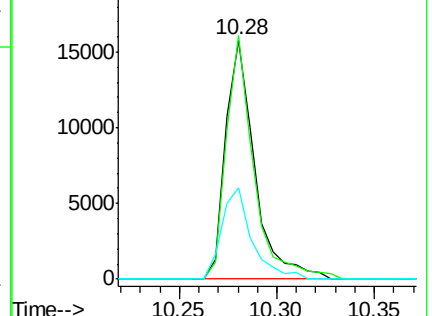
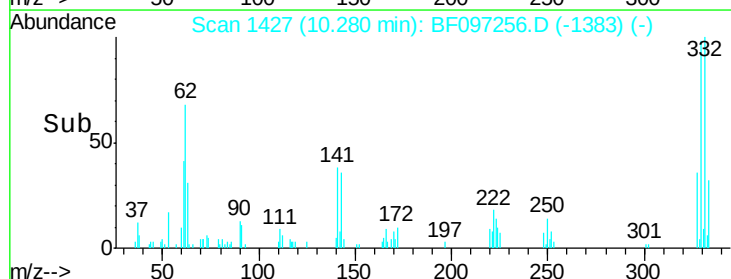
141 39.8 31.4 47.2

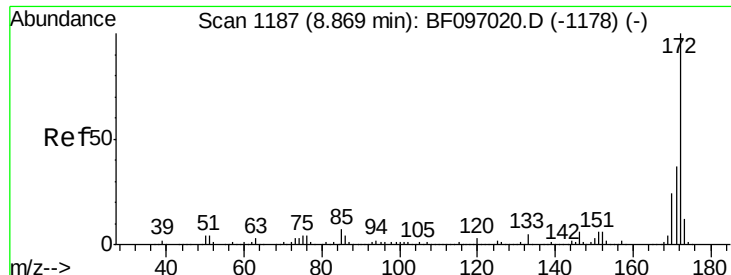


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

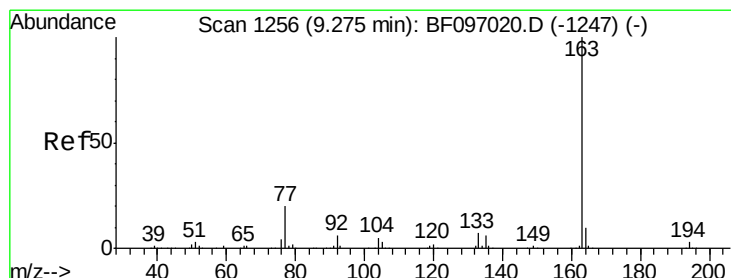
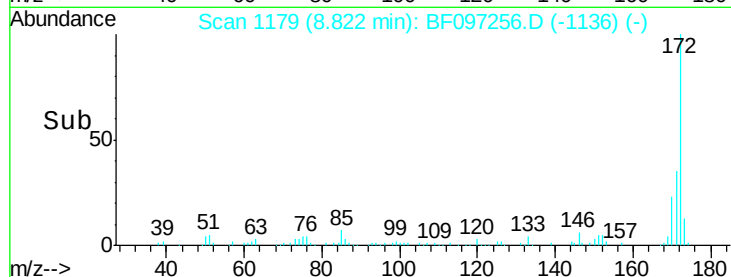
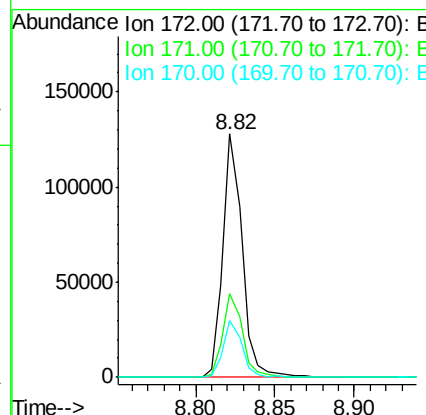
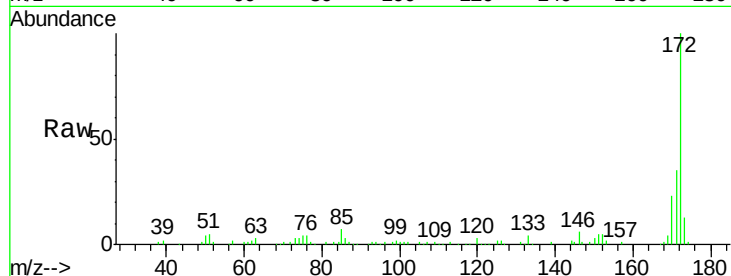




#44
2-Fluorobiphenyl
Concen: 14.55 ng
RT: 8.82 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF097256.D
Acq: 2 Aug 2017 6:05

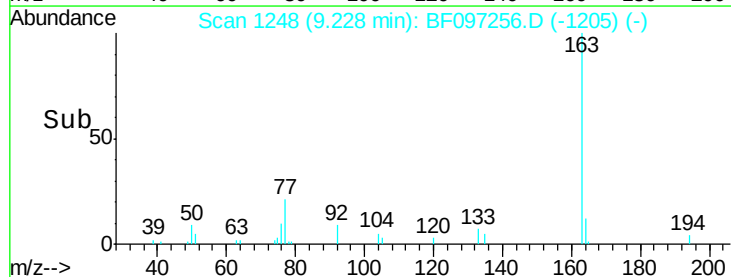
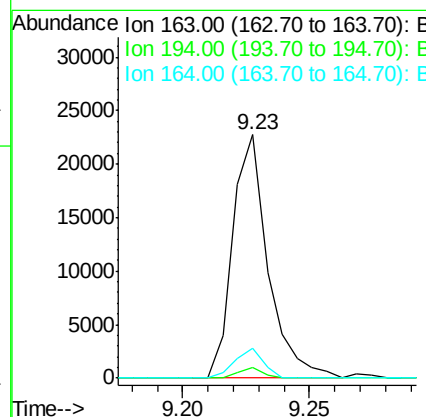
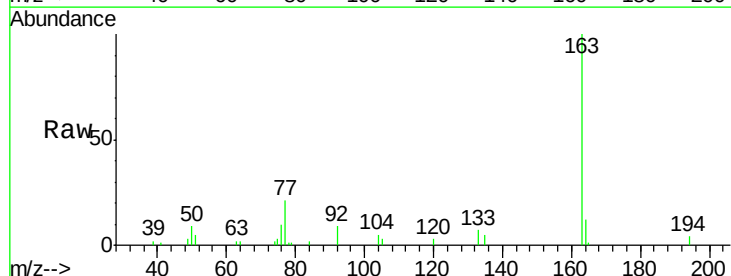
Instrument :
BNA_F
ClientSampleId :
E2-HS7-BASE

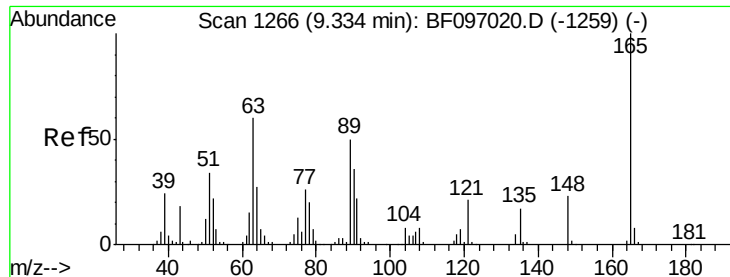
Tot Ion:172 Resp: 108620
Ion Ratio Lower Upper
172 100
171 34.6 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 2.28 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF097256.D
Acq: 2 Aug 2017 6:05

Tgt Ion:163 Resp: 21937
Ion Ratio Lower Upper
163 100
194 4.5 2.6 4.0#
164 12.3 8.4 12.6





#50

2,6-Dinitrotoluene

Concen: 8.03 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.16 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS7-BASE

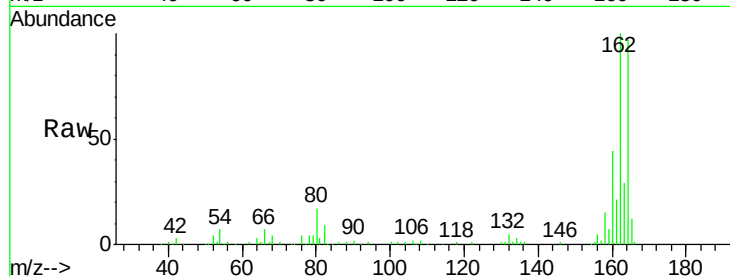
Tot Ion:165 Resp: 16380

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

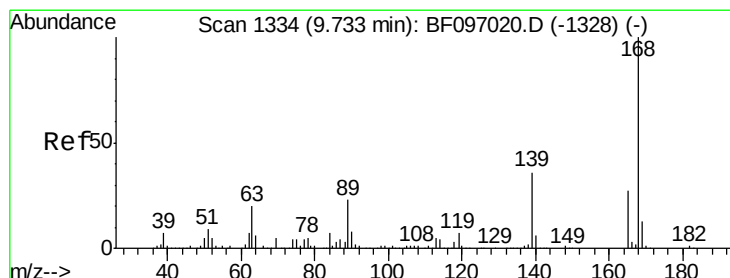
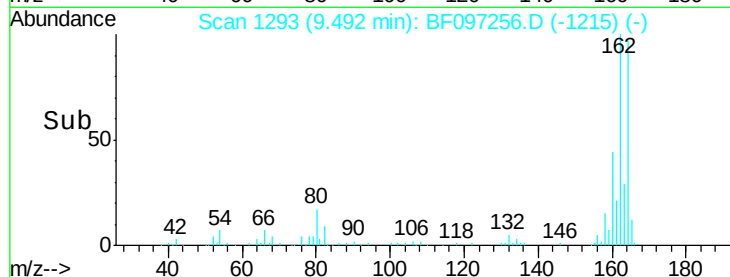
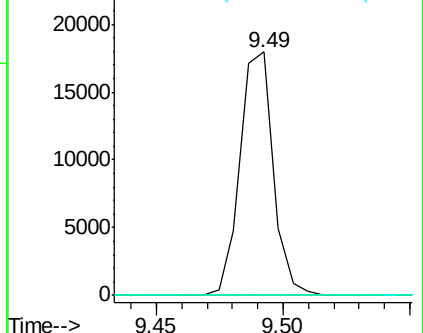
89 0.0 37.1 55.7#



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: 6.98 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.24 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Tgt Ion:165 Resp: 16380

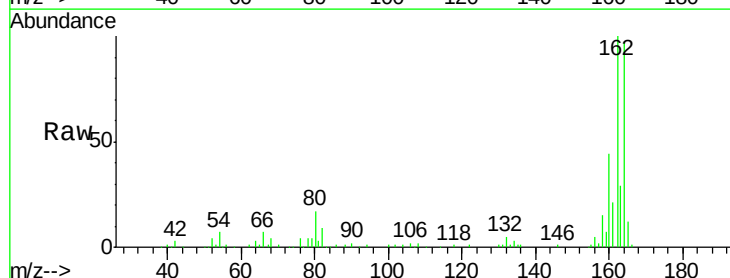
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

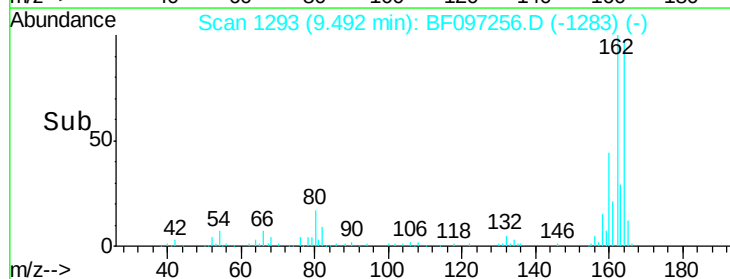
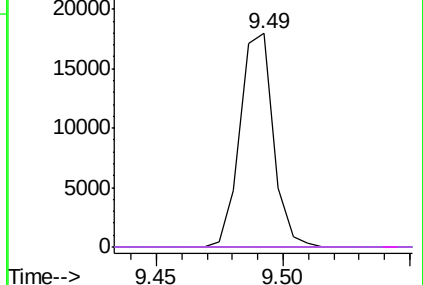


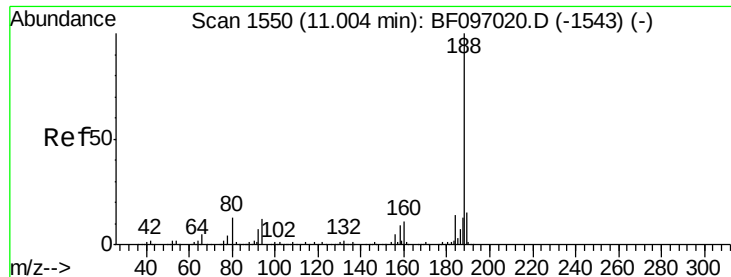
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.96 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

Instrument :

BNA_F

ClientSampleId :

E2-HS7-BASE

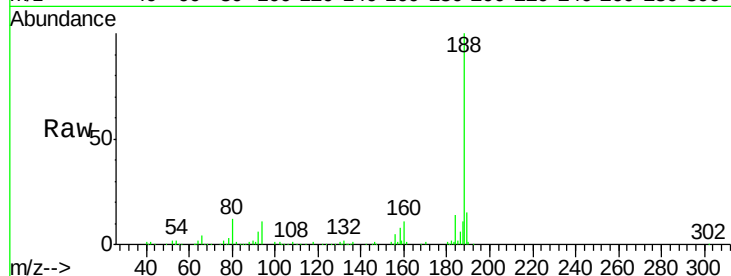
Tot Ion:188 Resp: 198171

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

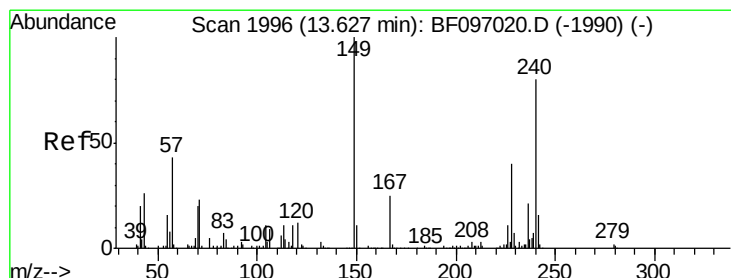
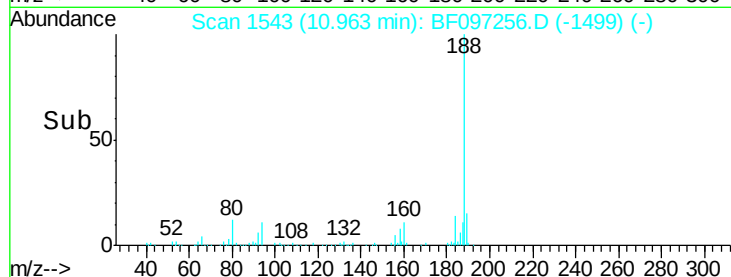
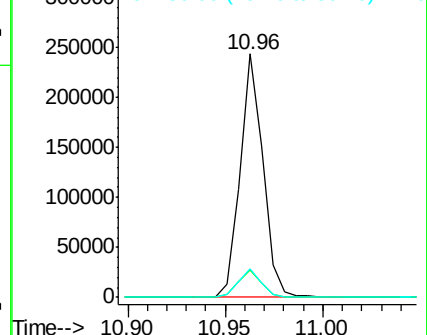
80 11.5 10.2 15.2



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: 13.59 min Scan# 1989

Delta R.T. -0.04 min

Lab File: BF097256.D

Acq: 2 Aug 2017 6:05

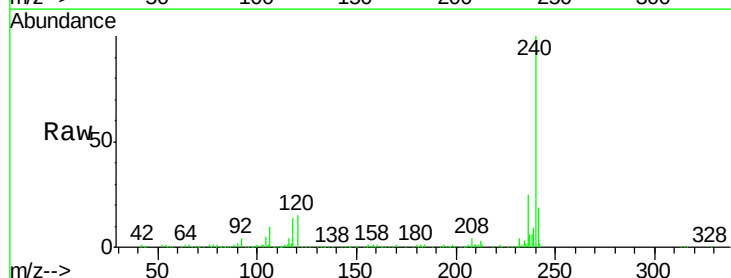
Tgt Ion:240 Resp: 201656

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

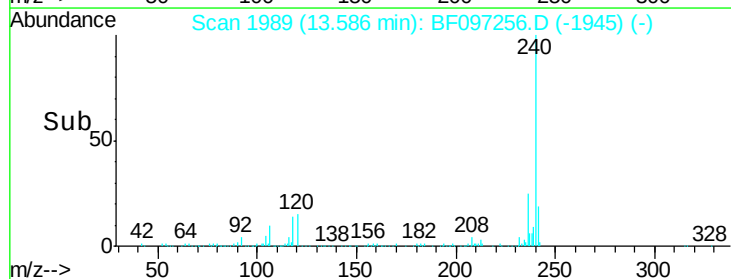
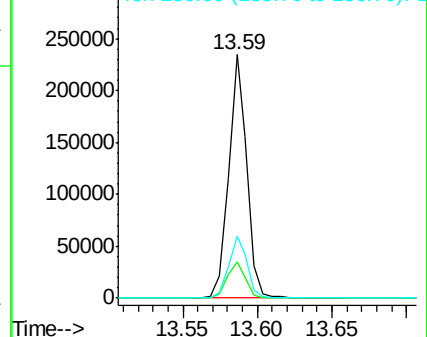
236 25.3 20.5 30.7

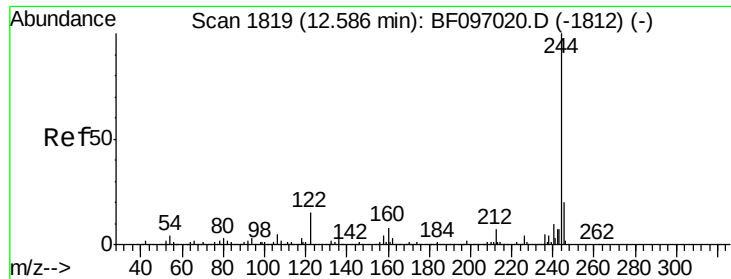


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

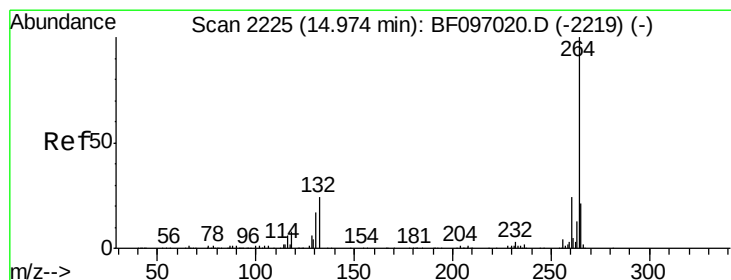
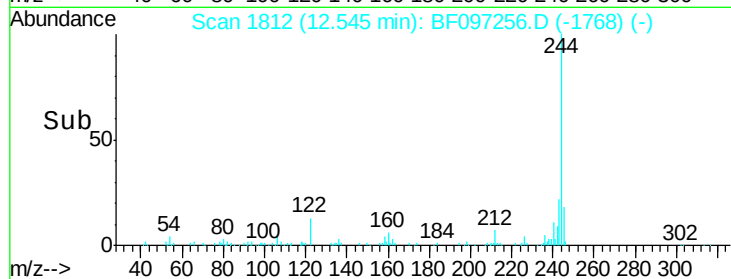
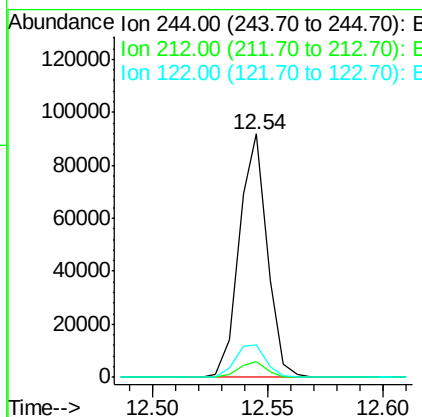
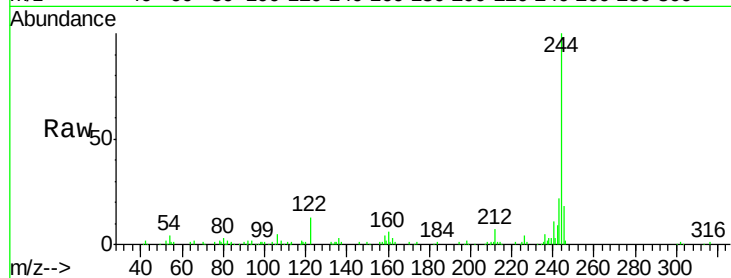




#78
 Terphenyl-d14
 Concen: 7.81 ng
 RT: 12.54 min Scan# 1812
 Delta R.T. -0.04 min
 Lab File: BF097256.D
 Acq: 2 Aug 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS7-BASE

Tot Ion:244 Resp: 77289
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.2 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097256.D
 Acq: 2 Aug 2017 6:05

Tgt Ion:264 Resp: 139427
 Ion Ratio Lower Upper
 264 100
 260 22.3 19.5 29.3
 265 20.2 17.2 25.8

