

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097285.D
 Acq On : 2 Aug 2017 20:43
 Operator : SJ/JU
 Sample : I4543-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 23:11:10 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

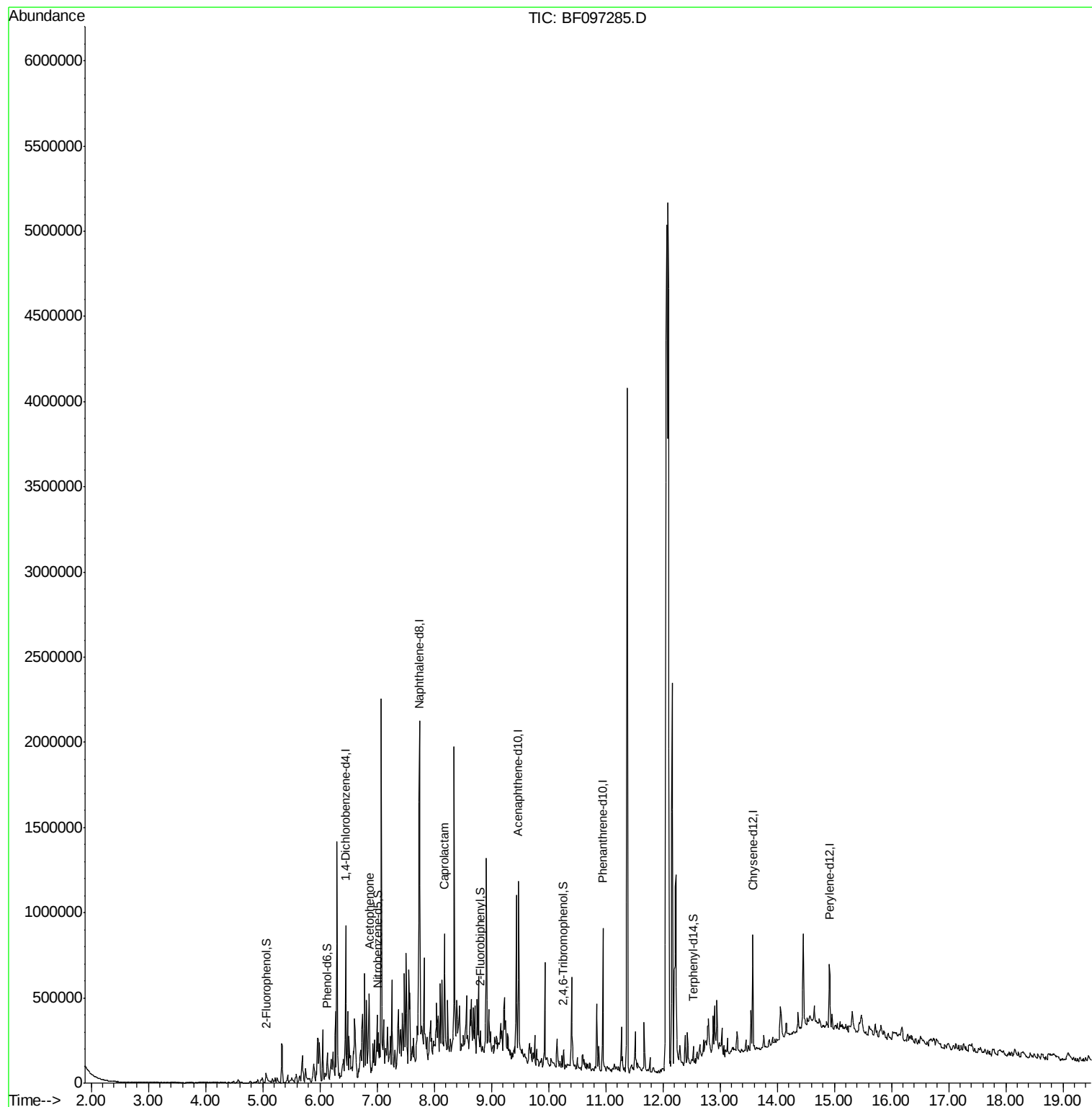
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	123118	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	453457	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	192488	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	281826	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	218510	20.00	ng	-0.05
86) Perylene-d12	14.92	264	156601	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	34073	4.17	ng	-0.04
7) Phenol-d6	6.13	99	38343	4.11	ng	-0.04
23) Nitrobenzene-d5	7.02	82	23259	3.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.27	330	5986	3.94	ng	-0.05
44) 2-Fluorobiphenyl	8.81	172	41771	3.68	ng	-0.06
78) Terphenyl-d14	12.53	244	24526	2.29	ng	-0.05
Target Compounds						
22) Acetophenone	6.86	105	60803	5.58	ng	# 43
35) Caprolactam	8.18	113	9218	4.64	ng	# 1

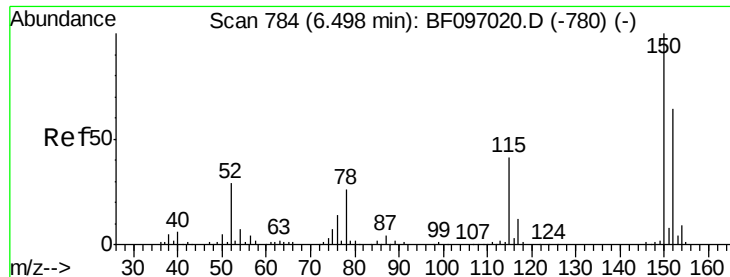
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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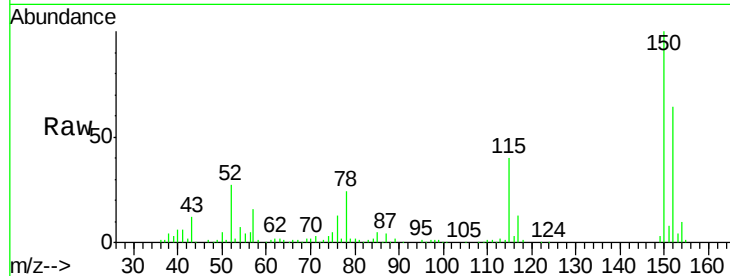


#1

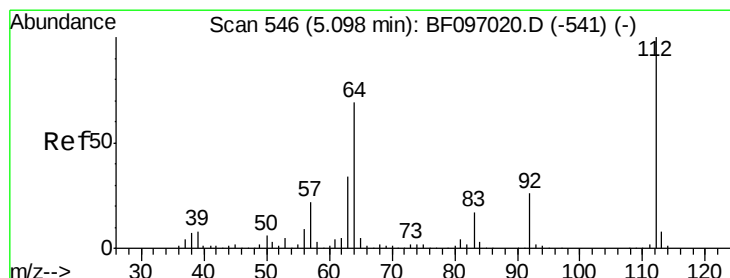
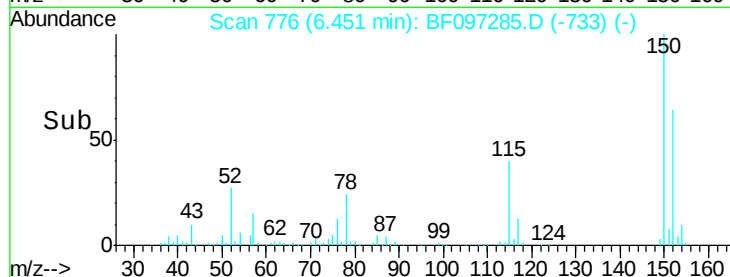
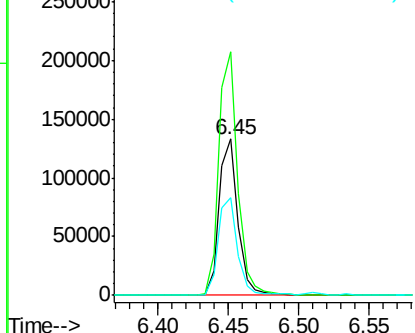
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097285.D
Acq: 2 Aug 2017 20:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 123118
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 62.4 52.2 78.2



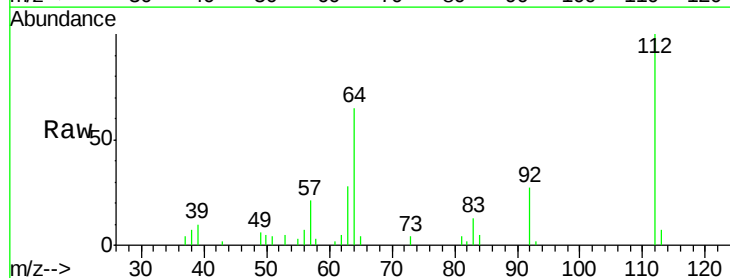
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



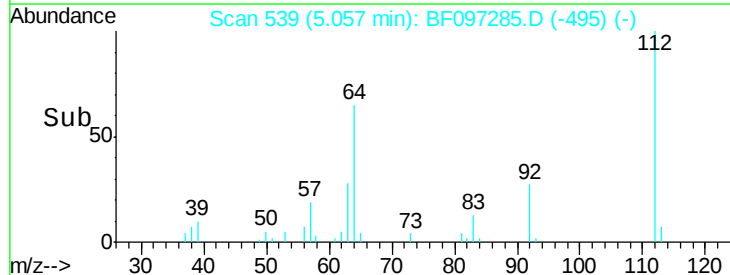
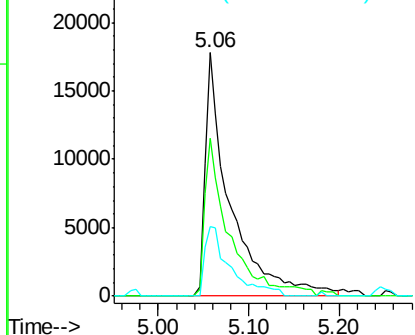
#5

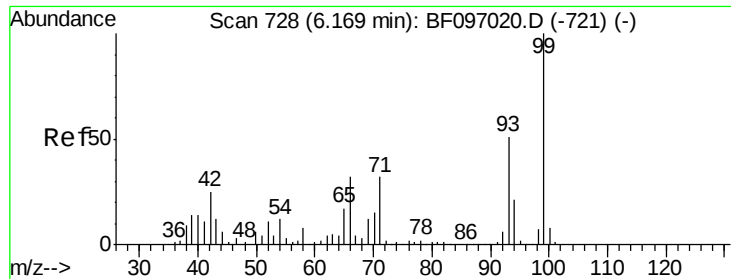
2-Fluorophenol
Concen: 4.17 ng
RT: 5.06 min Scan# 539
Delta R.T. -0.04 min
Lab File: BF097285.D
Acq: 2 Aug 2017 20:43

Tgt Ion:112 Resp: 34073
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 28.4 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: 4.11 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

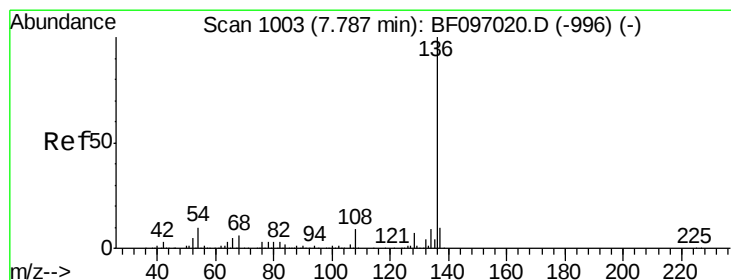
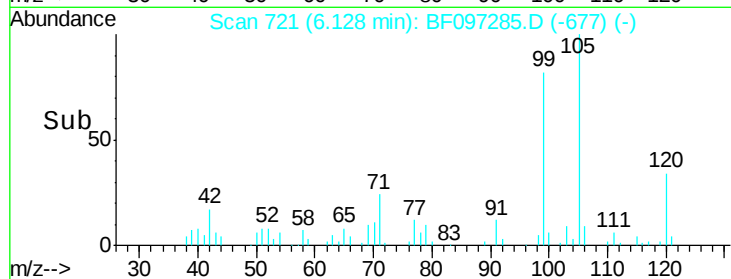
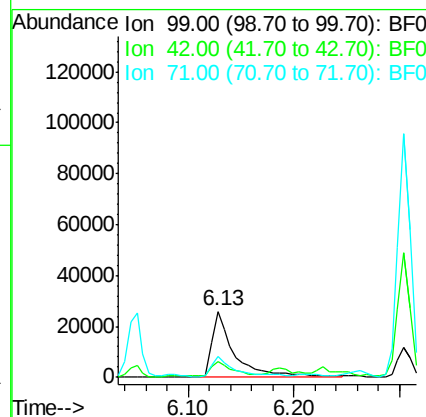
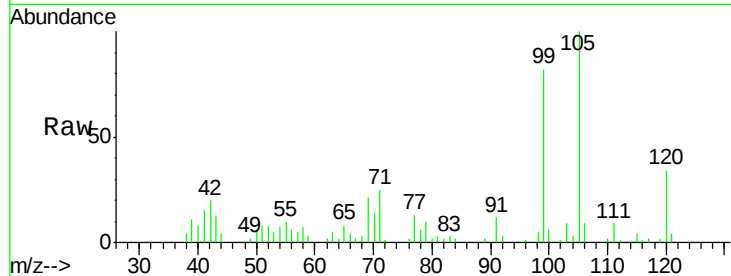
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 38343

Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.5	20.3#
71	31.1	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.73 min Scan# 994

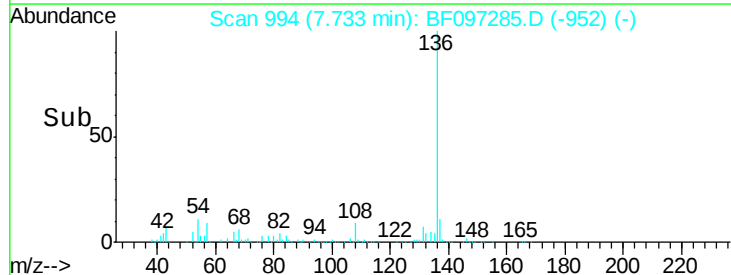
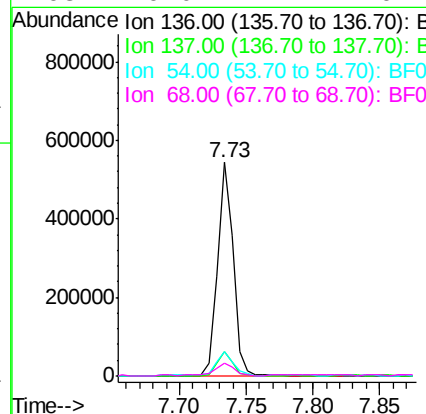
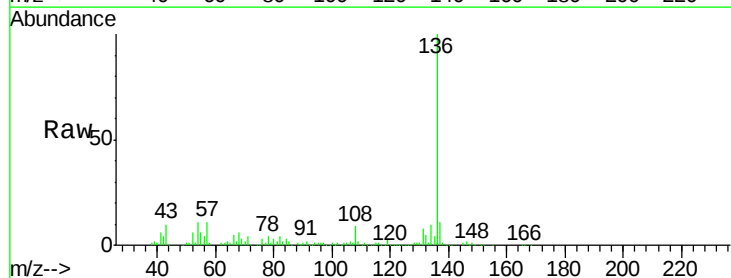
Delta R.T. -0.05 min

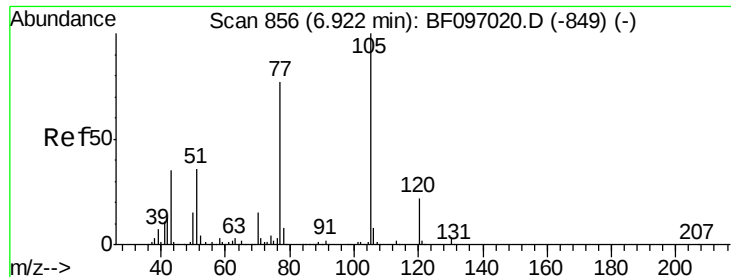
Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

Tgt Ion: 136 Resp: 453457

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	11.4	4.9	7.3#
68	6.0	4.1	6.1





#22

Acetophenone

Concen: 5.58 ng

RT: 6.86 min Scan# 845

Delta R.T. -0.06 min

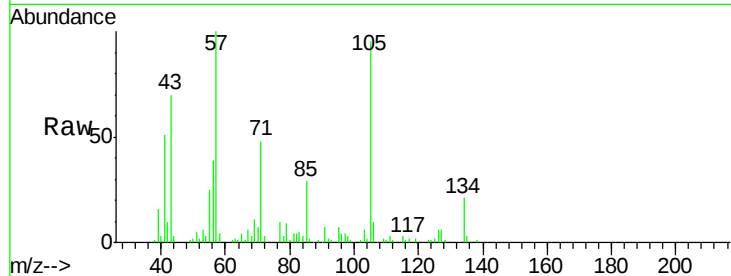
Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 60803

Ion Ratio Lower Upper

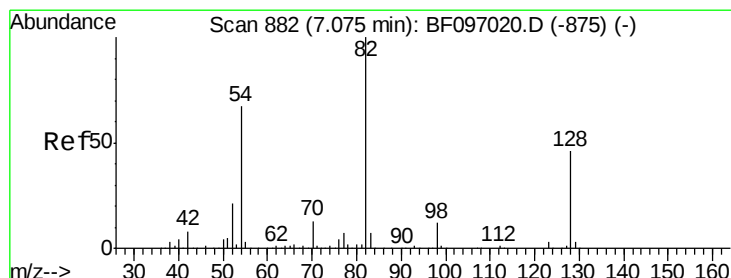
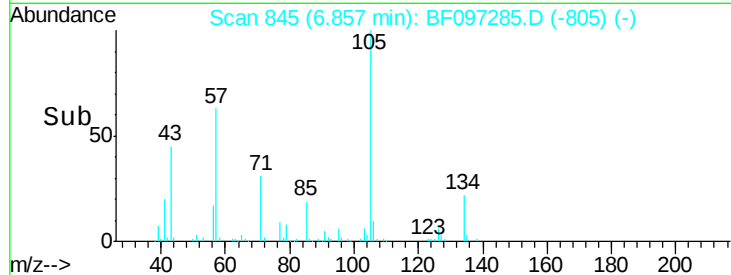
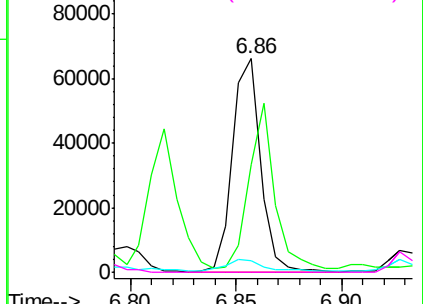
105 100

71 50.7 2.8 4.2#

51 5.2 30.7 46.1#

120 0.0 17.4 26.0#

Abundance Ion 105.00 (104.70 to 105.70): E



#23

Nitrobenzene-d5

Concen: 3.01 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

Tgt Ion: 82 Resp: 23259

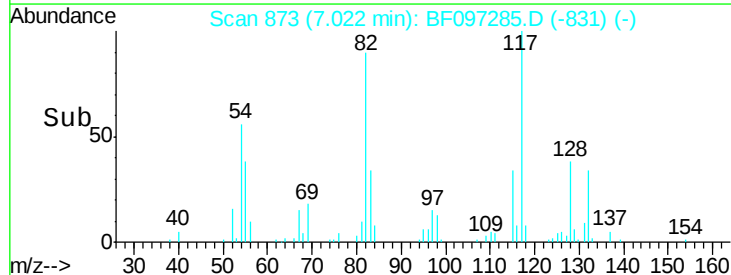
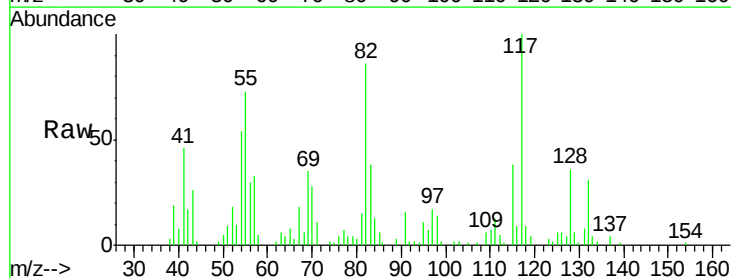
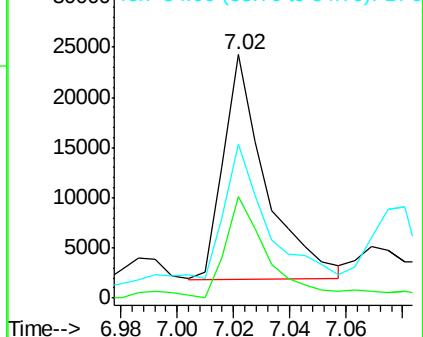
Ion Ratio Lower Upper

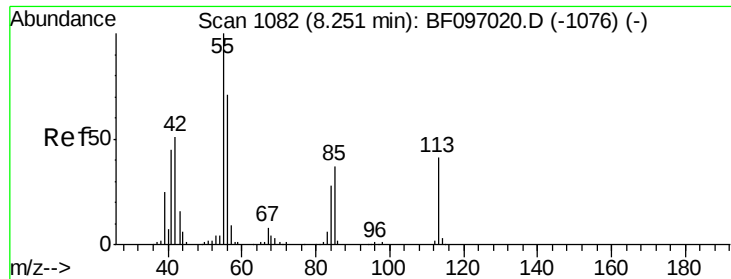
82 100

128 41.9 34.0 51.0

54 63.2 42.2 63.2

Abundance Ion 82.00 (81.70 to 82.70): BF0





#35

Caprolactam

Concen: 4.64 ng

RT: 8.18 min Scan# 1070

Delta R.T. -0.07 min

Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

Instrument :

BNA_F

ClientSampleId :

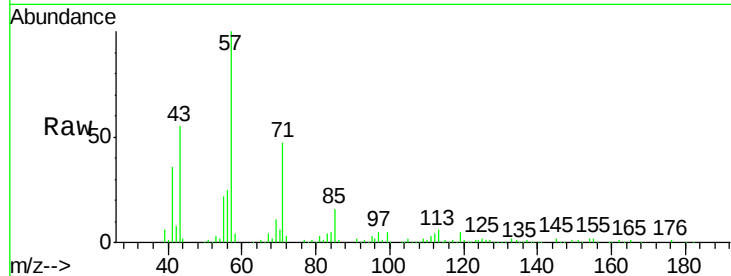
Tot Ion:113 Resp: 9218

Ion Ratio Lower Upper

113 100

55 385.1 150.2 190.2#

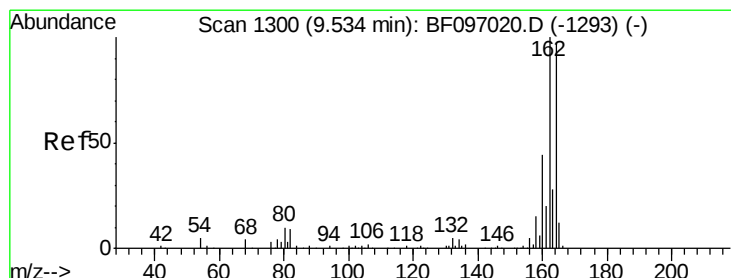
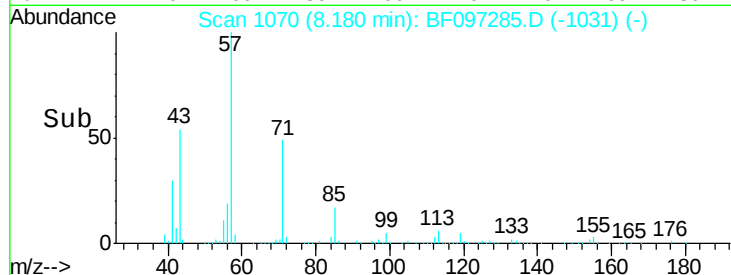
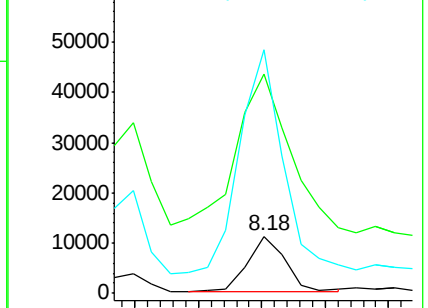
56 427.3 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097285.D

Acq: 2 Aug 2017 20:43

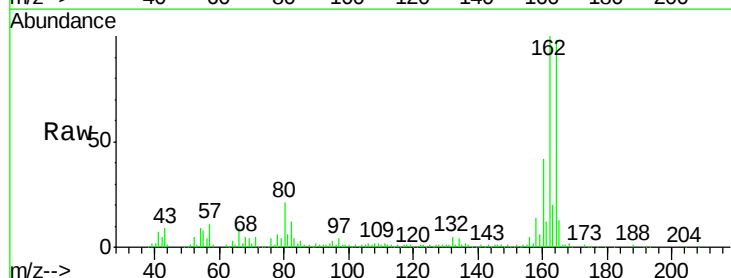
Tgt Ion:164 Resp: 192488

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

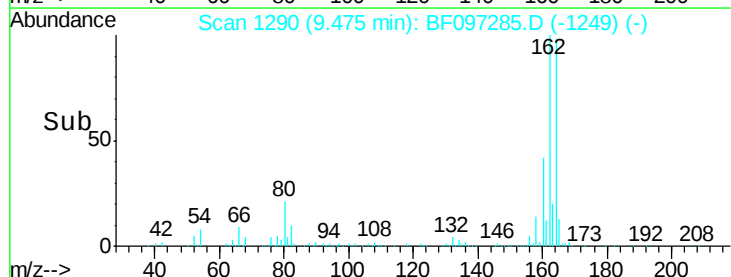
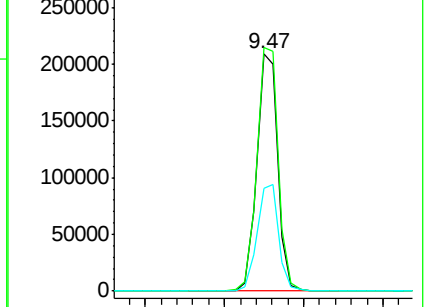
160 43.4 36.2 54.2

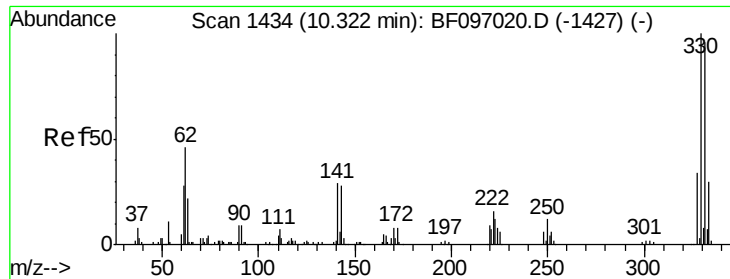


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

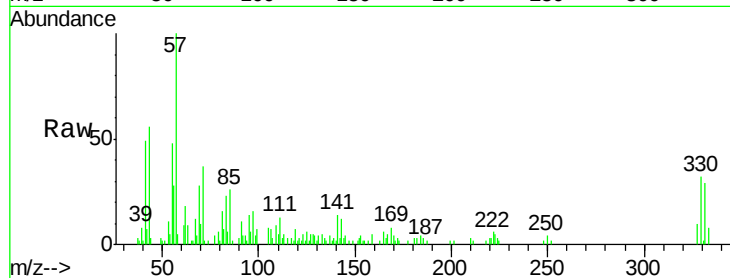




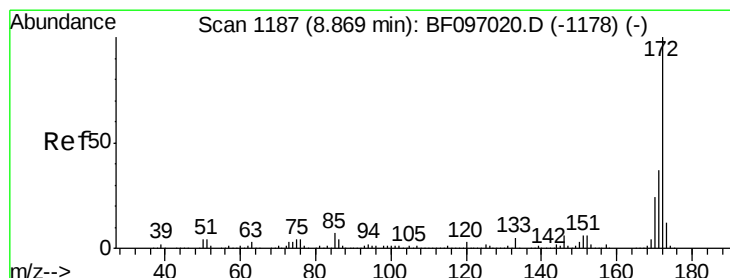
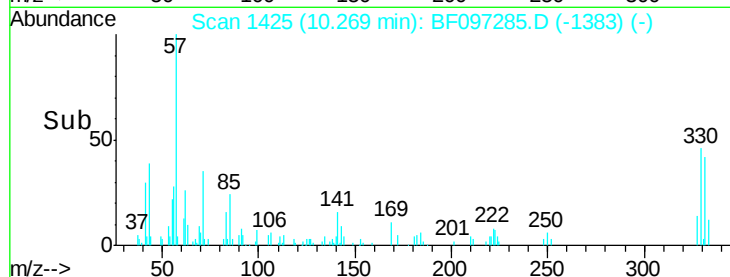
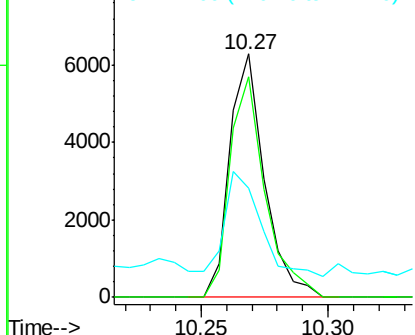
#41
 2,4,6-Tribromophenol
 Concen: 3.94 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF097285.D
 Acq: 2 Aug 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	76.6	115.0
141	43.8	31.4	47.2

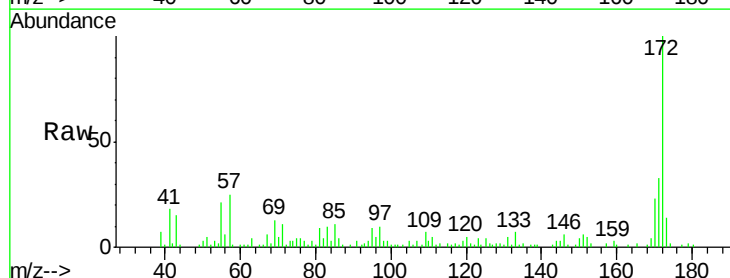


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

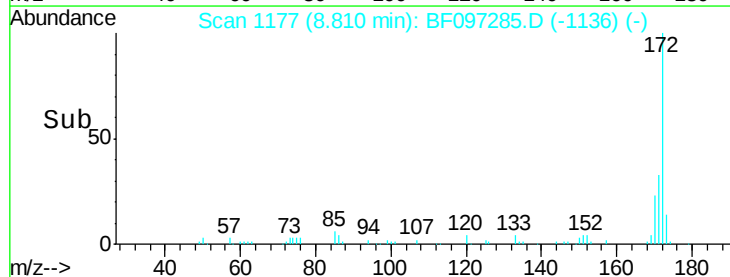
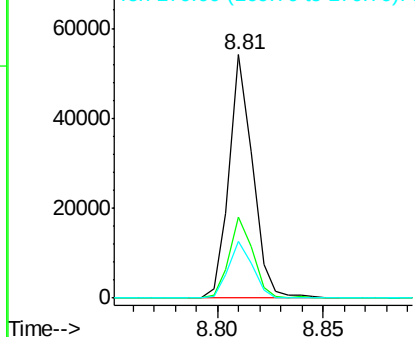


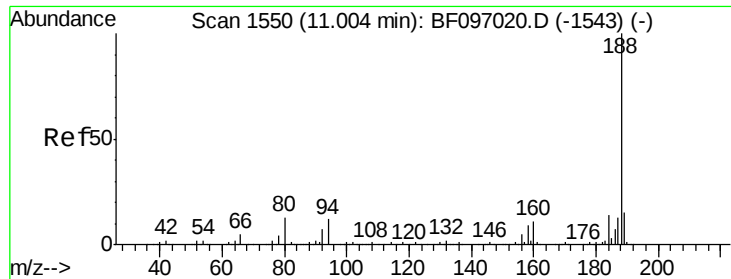
#44
 2-Fluorobiphenyl
 Concen: 3.68 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097285.D
 Acq: 2 Aug 2017 20:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	29.6	44.4
170	23.1	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: BF097285.D

Acq: 2 Aug 2017 20:43

Instrument :

BNA_F

ClientSampleId :

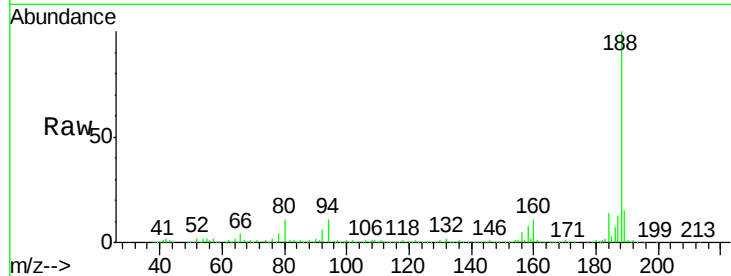
Tot Ion:188 Resp: 281826

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

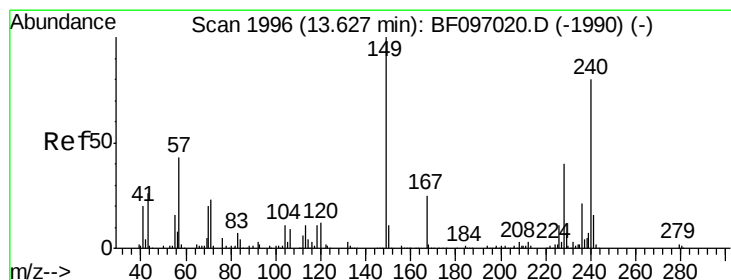
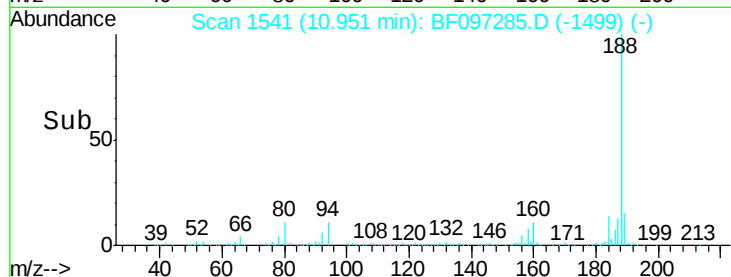
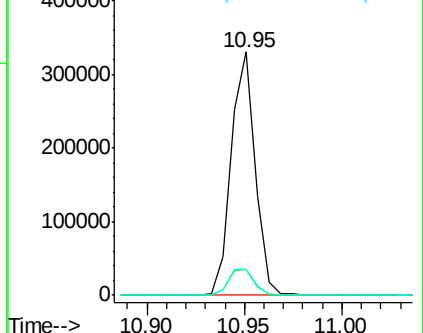
80 10.9 10.2 15.2



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: BF097285.D

Acq: 2 Aug 2017 20:43

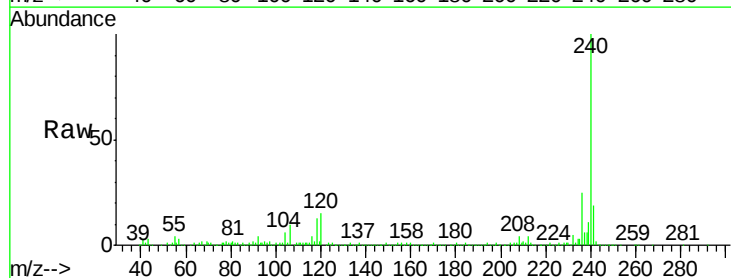
Tgt Ion:240 Resp: 218510

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

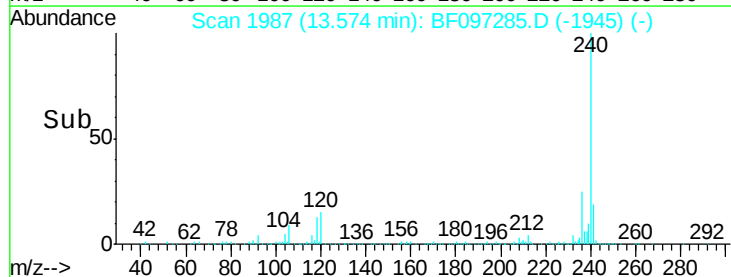
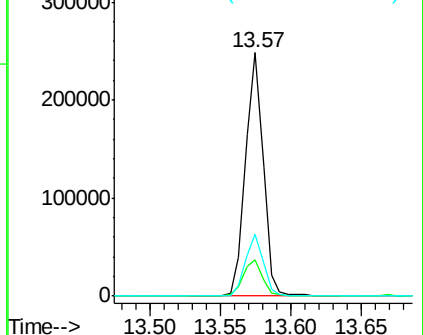
236 25.2 20.5 30.7

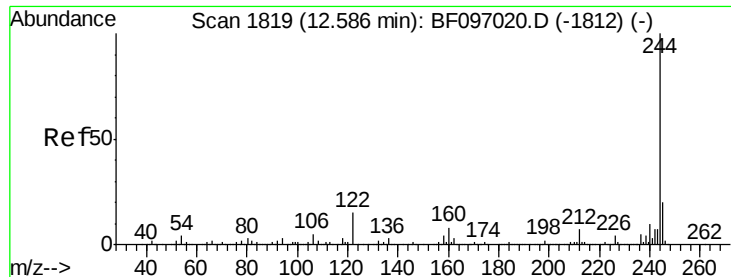


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

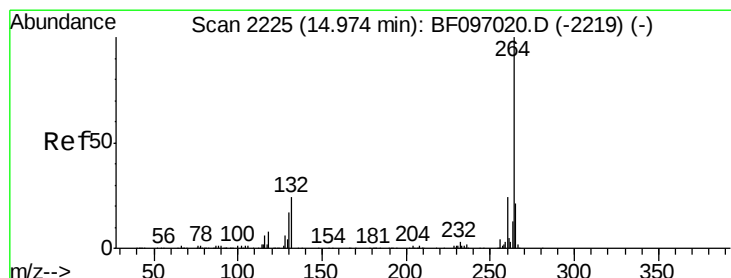
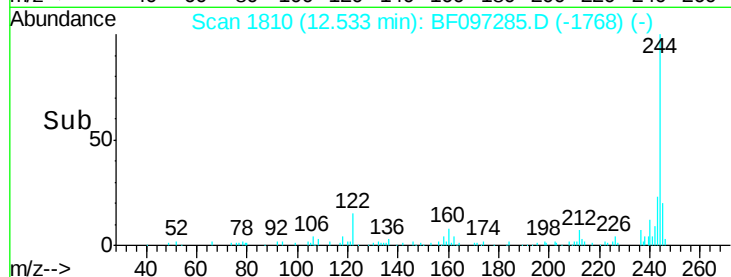
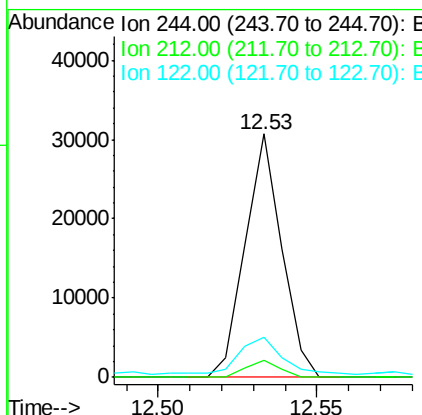
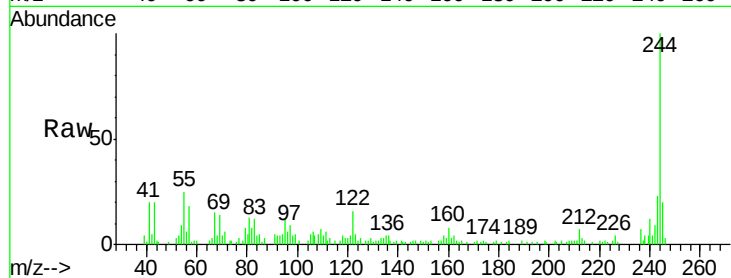




#78
 Terphenyl-d14
 Concen: 2.29 ng
 RT: 12.53 min Scan# 1810
 Delta R.T. -0.05 min
 Lab File: BF097285.D
 Acq: 2 Aug 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 24526
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 16.3 10.3 15.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.92 min Scan# 2215
 Delta R.T. -0.06 min
 Lab File: BF097285.D
 Acq: 2 Aug 2017 20:43

Tgt Ion:264 Resp: 156601
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 20.8 17.2 25.8

