

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097066.D
 Acq On : 26 Jul 2017 9:36
 Operator : SJ/JU
 Sample : I4362-01DL 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANKDL

Quant Time: Jul 26 11:47:22 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

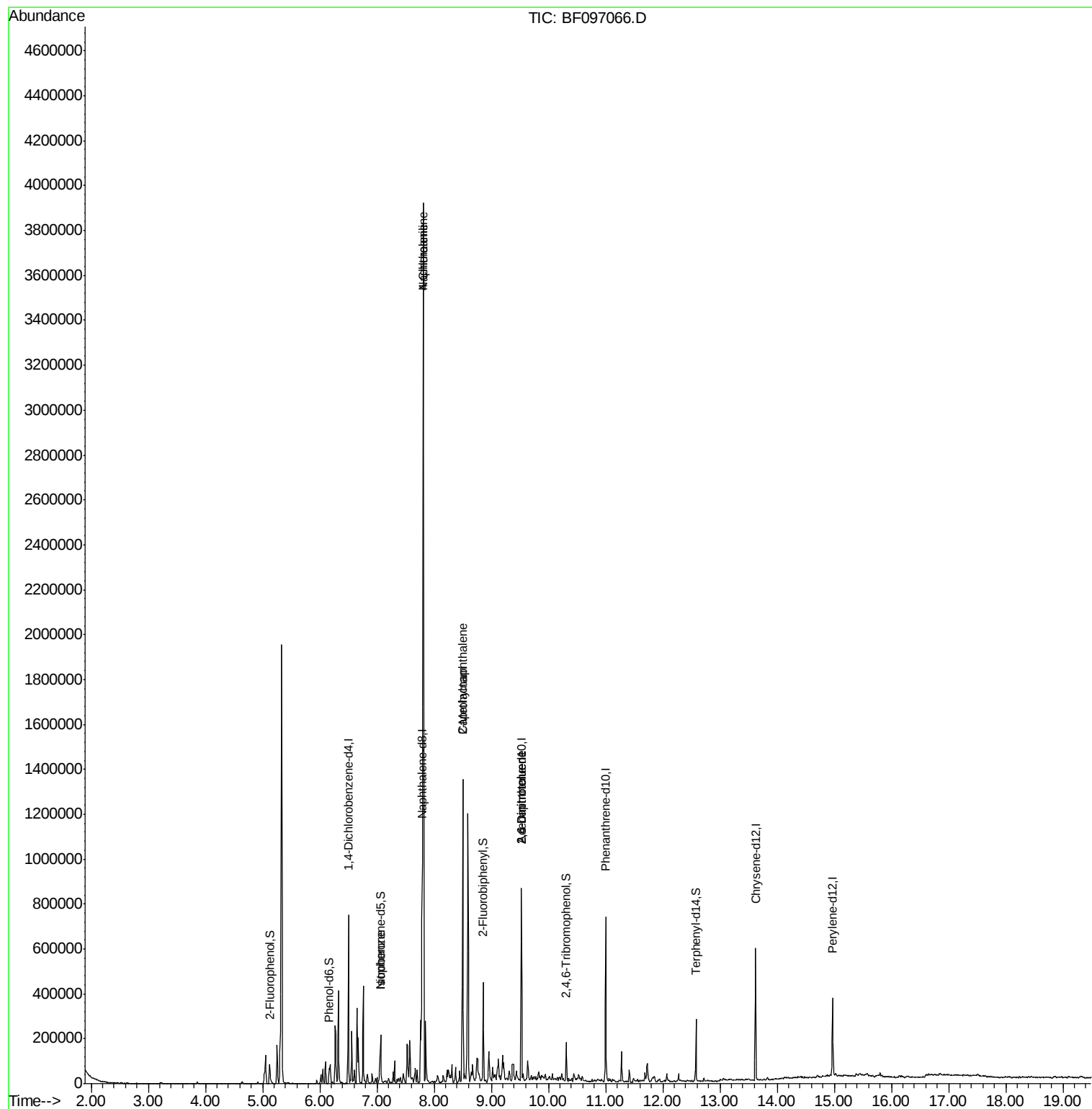
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	106888	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	402740	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	156130	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	241397	20.00	ng	0.00
75) Chrysene-d12	13.62	240	180444	20.00	ng	0.00
86) Perylene-d12	14.97	264	132325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	36159	5.10	ng	0.02
7) Phenol-d6	6.16	99	28232	3.49	ng	0.00
23) Nitrobenzene-d5	7.06	82	57718	8.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	15291	12.40	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	118003	12.83	ng	-0.01
78) Terphenyl-d14	12.58	244	72409	8.18	ng	0.00
Target Compounds						
25) Isophorone	7.06	82	54089	4.023	ng	# 67
31) Naphthalene	7.81	128	2088785	110.025	ng	# 99
33) 4-Chloroaniline	7.81	127	285044	36.900	ng	# 32
35) Caprolactam	8.49	113	7897	4.480	ng	# 1
37) 2-Methylnaphthalene	8.50	142	375059	31.202	ng	# 99
50) 2,6-Dinitrotoluene	9.53	165	20813	8.277	ng	# 35
56) 2,4-Dinitrotoluene	9.53	165	20813	7.200	ng	# 34

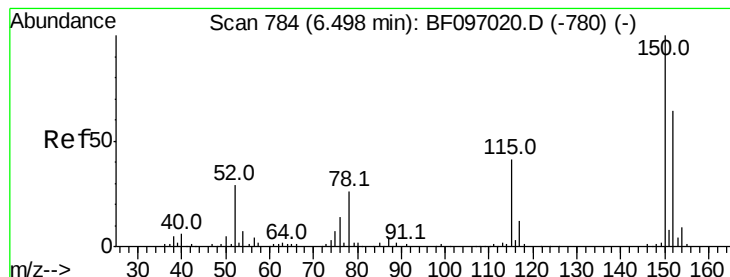
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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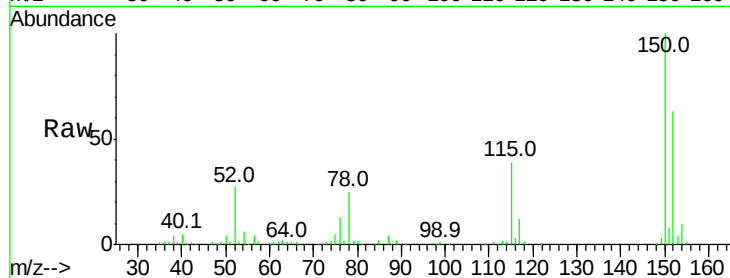


#1

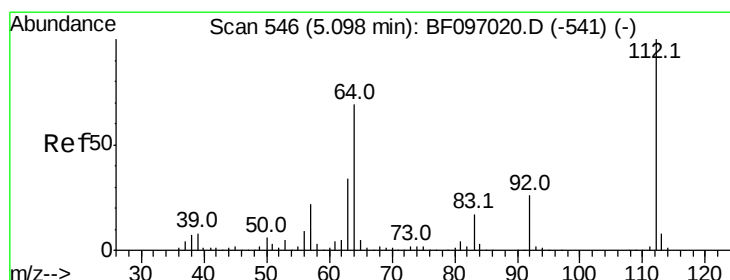
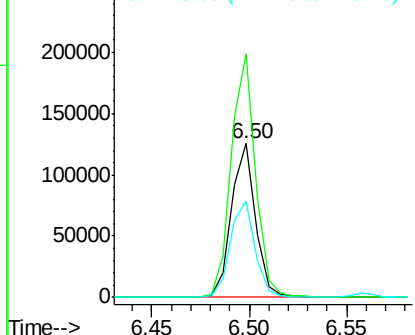
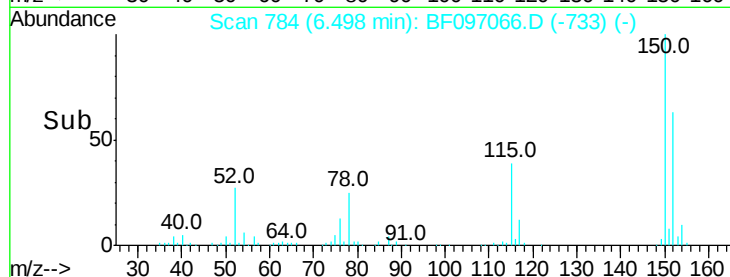
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF097066.D
Acq: 26 Jul 2017 9:36

Instrument :
BNA_F
ClientSampleId :
FRAC-TANKDL

Tot Ion:152 Resp: 106888
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 62.5 52.2 78.2



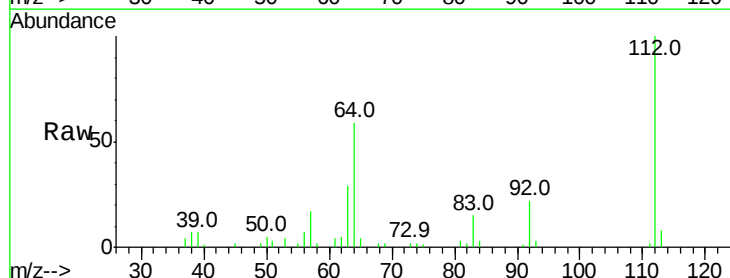
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



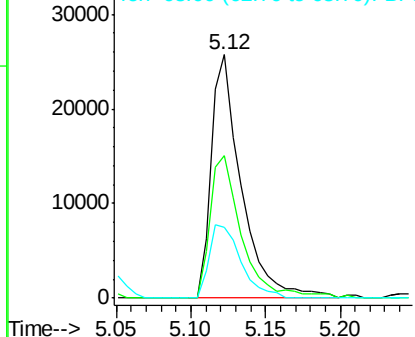
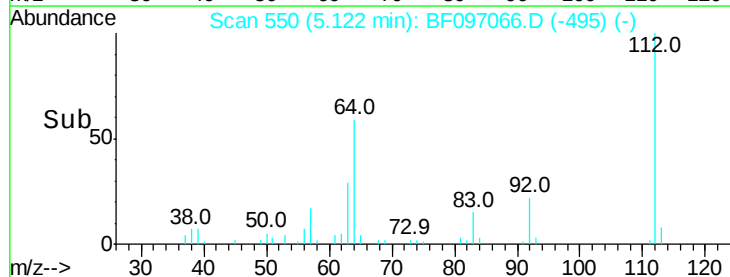
#5

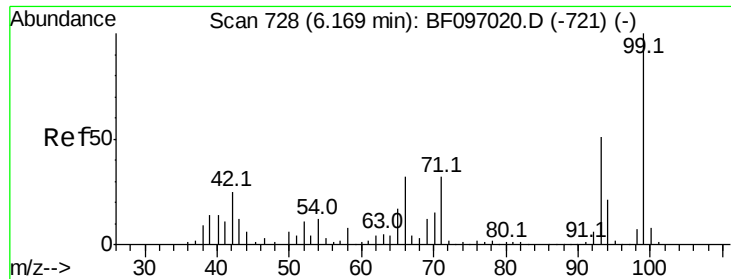
2-Fluorophenol
Concen: 5.100 ng
RT: 5.12 min Scan# 550
Delta R.T. 0.02 min
Lab File: BF097066.D
Acq: 26 Jul 2017 9:36

Tgt Ion:112 Resp: 36159
Ion Ratio Lower Upper
112 100
64 58.7 46.0 69.0
63 29.1 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: 3.488 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

Instrument :

BNA_F

ClientSampleId :

FRAC-TANKDL

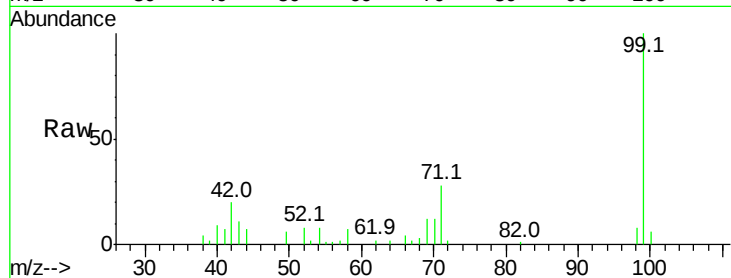
Tot Ion: 99 Resp: 28232

Ion Ratio Lower Upper

99 100

42 19.6 13.5 20.3

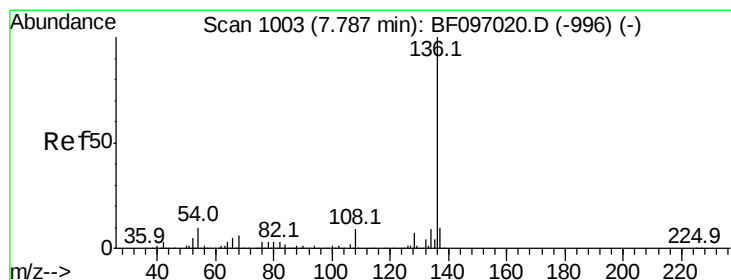
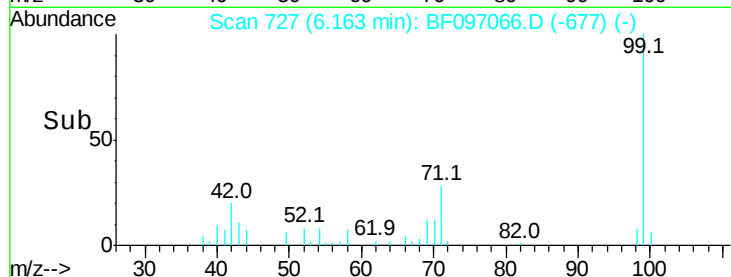
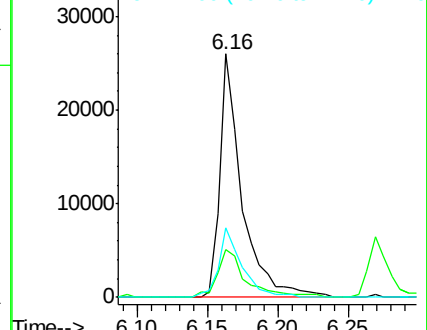
71 28.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.79 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

Tgt Ion: 136 Resp: 402740

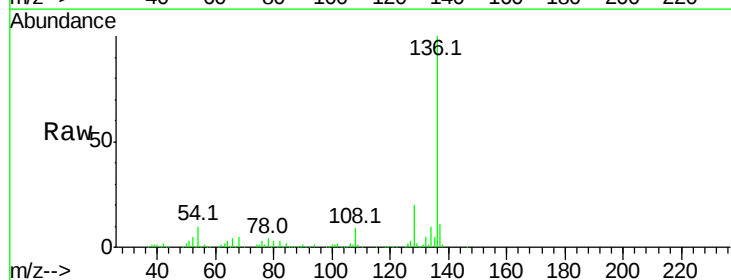
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 4.6 4.1 6.1

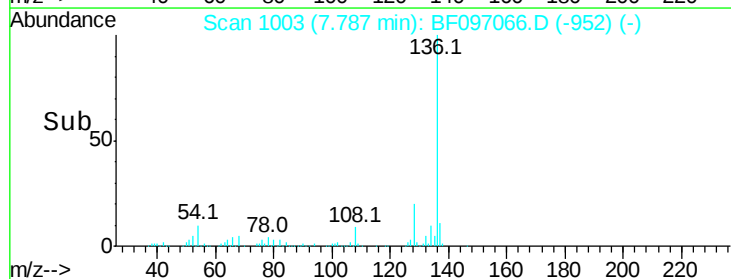
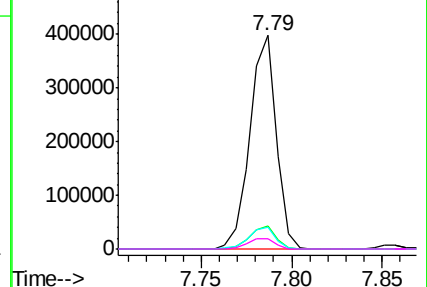


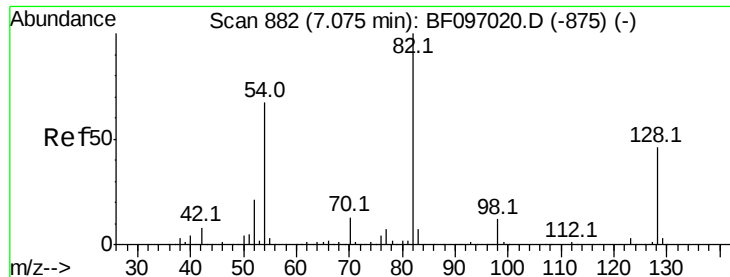
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.407 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

Instrument :

BNA_F

ClientSampleId :

FRAC-TANKDL

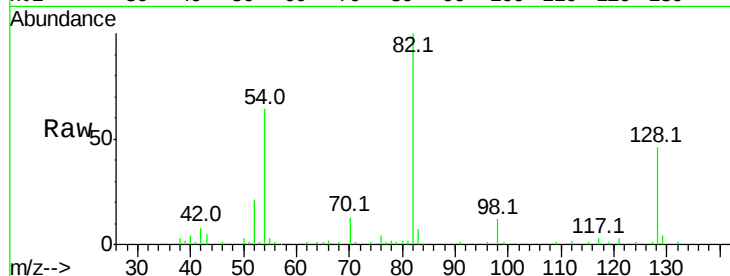
Tot Ion: 82 Resp: 57718

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

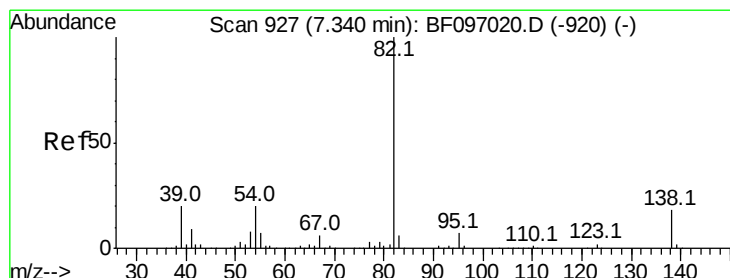
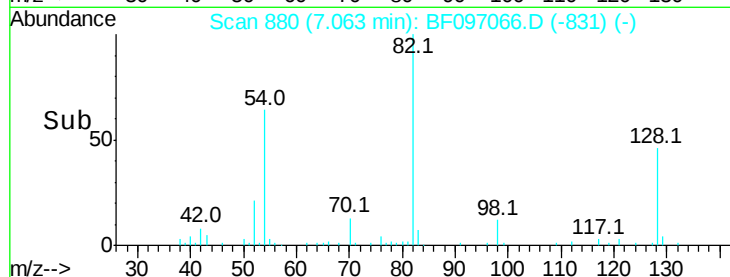
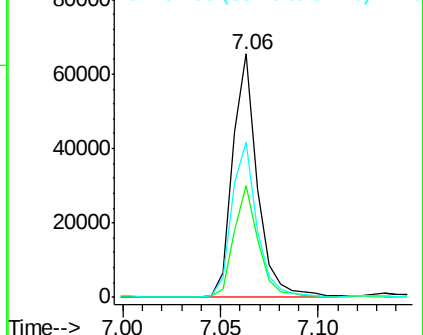
54 63.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 4.023 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

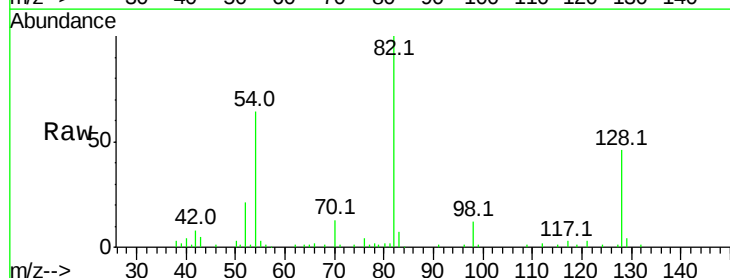
Tgt Ion: 82 Resp: 54089

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

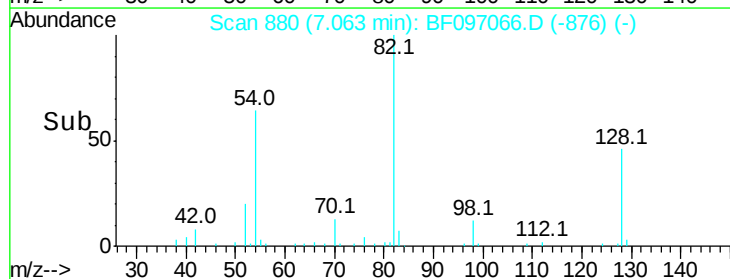
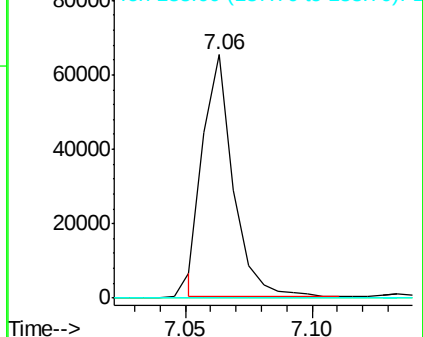
138 0.0 13.1 19.7#

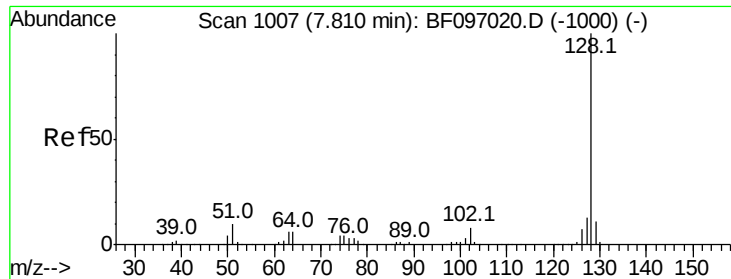


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

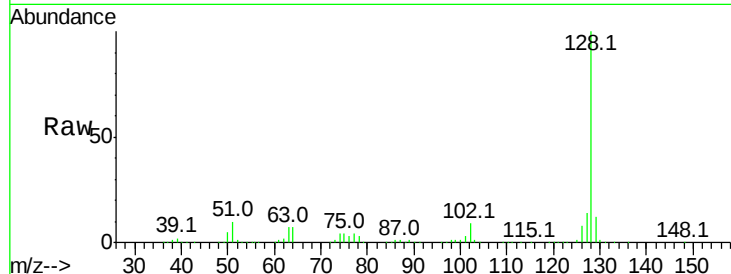




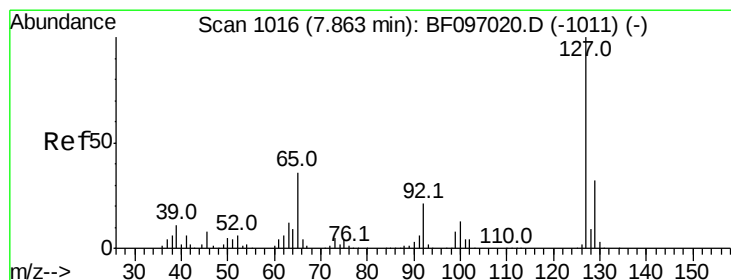
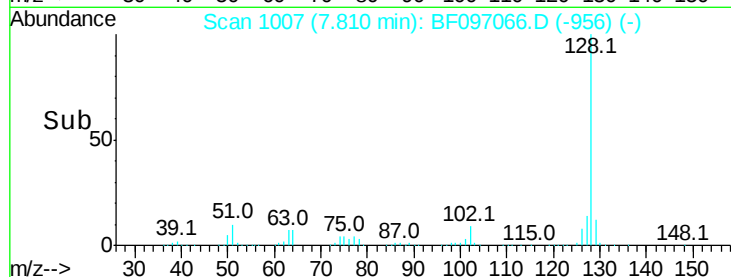
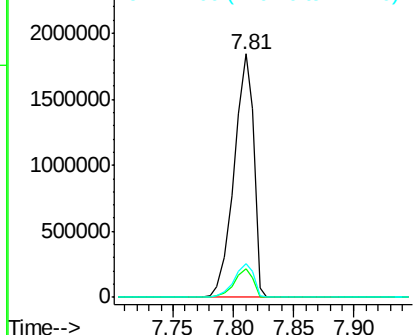
#31
Naphthalene
Concen: 110.025 ng
RT: 7.81 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF097066.D
Acq: 26 Jul 2017 9:36

Instrument :
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ClientSampleId :
FRAC-TANKDL

Tot Ion:128 Resp: 2088785
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.8 10.8 16.2

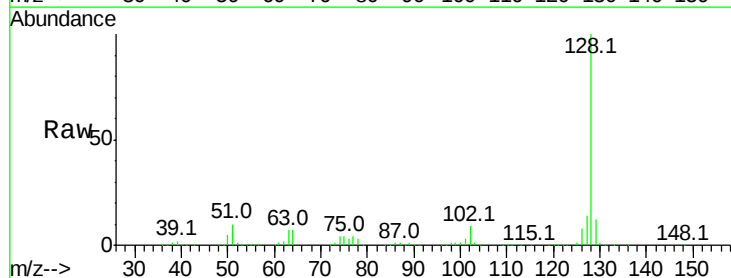


Abundance Ion 128.00 (127.70 to 128.70): E
2500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

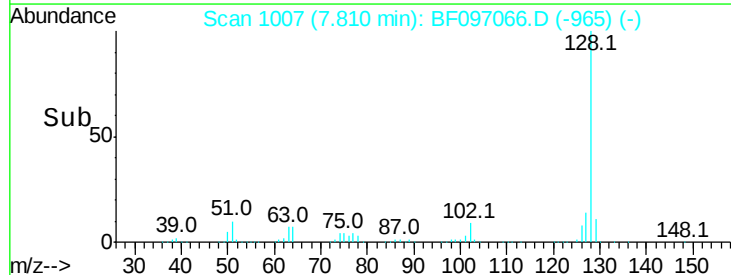
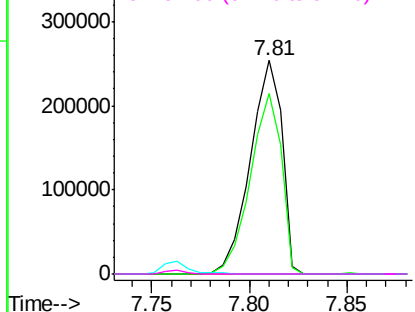


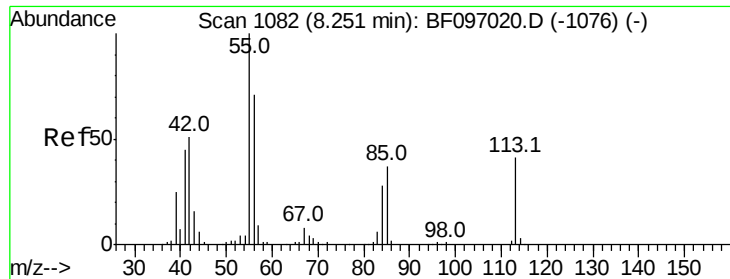
#33
4-Chloroaniline
Concen: 36.900 ng
RT: 7.81 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BF097066.D
Acq: 26 Jul 2017 9:36

Tgt Ion:127 Resp: 285044
Ion Ratio Lower Upper
127 100
129 84.5 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



Abundance Ion 127.00 (126.70 to 127.70): E
400000 Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

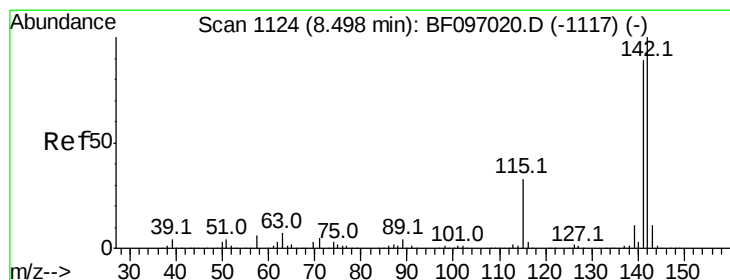
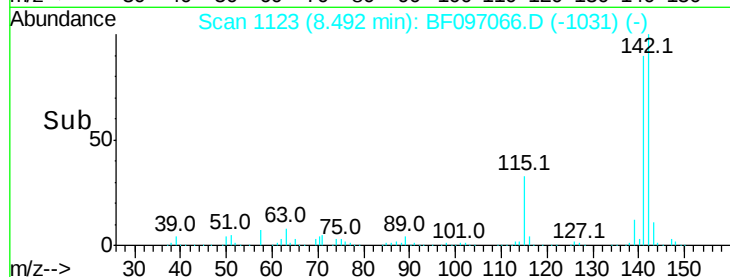
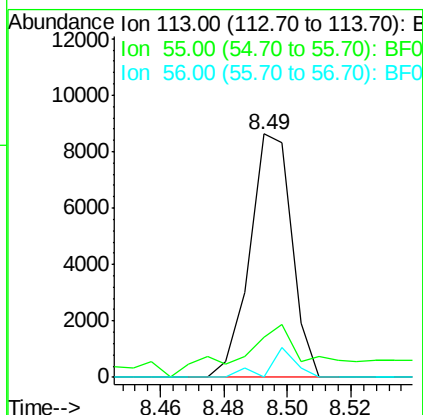
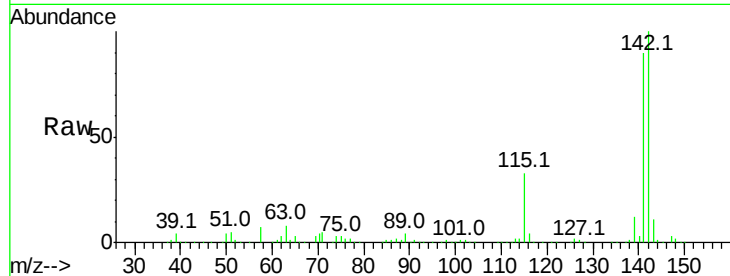




#35
 Caprolactam
 Concen: 4.480 ng
 RT: 8.49 min Scan# 1123
 Delta R.T. 0.24 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

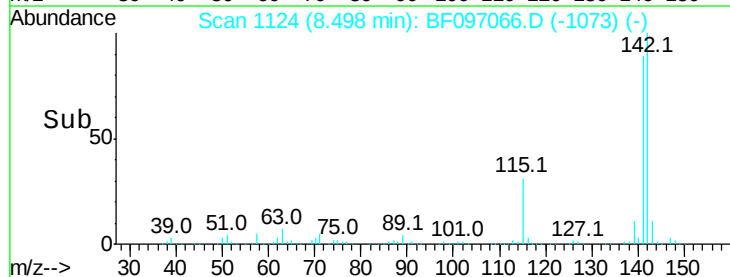
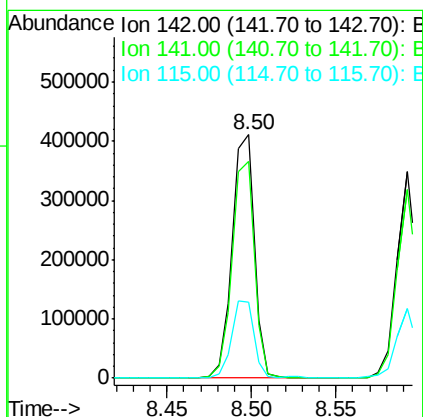
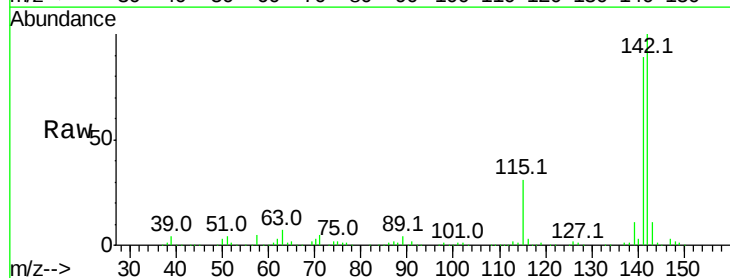
Instrument :
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 FRAC-TANKDL

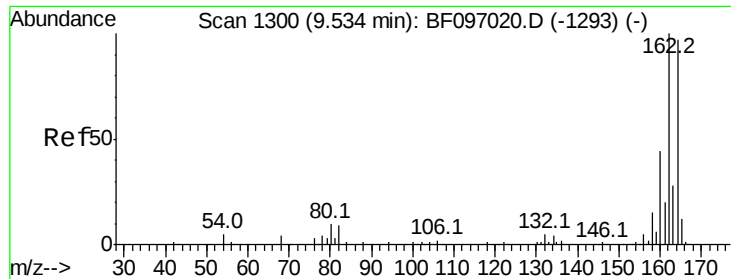
Tot Ion:113 Resp: 7897
 Ion Ratio Lower Upper
 113 100
 55 16.4 150.2 190.2#
 56 0.0 107.8 147.8#



#37
 2-Methylnaphthalene
 Concen: 31.202 ng
 RT: 8.50 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

Tgt Ion:142 Resp: 375059
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.3 106.9
 115 31.4 27.1 40.7

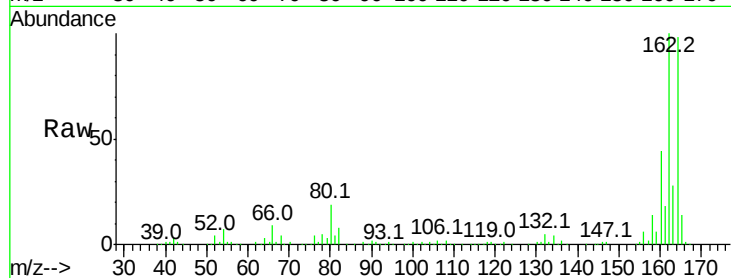




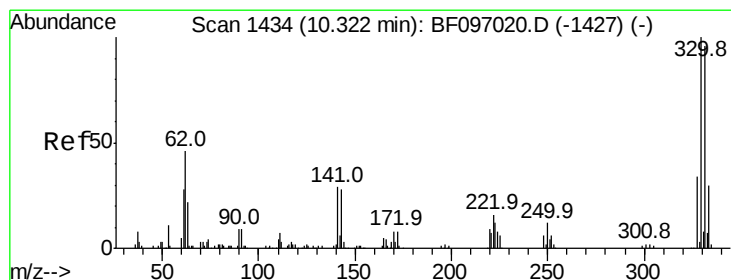
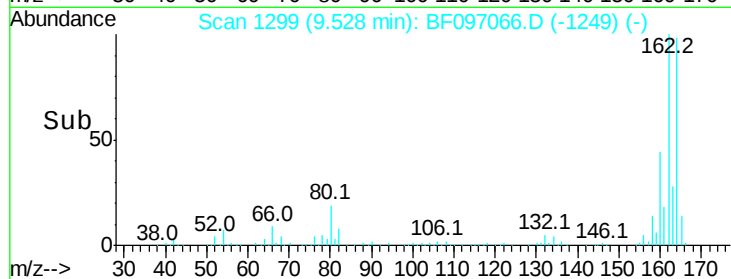
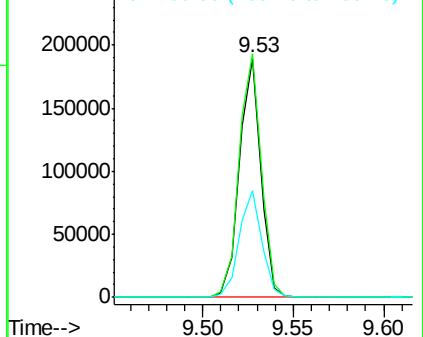
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANKDL

Tot Ion:164 Resp: 156130
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.6 123.8
 160 44.8 36.2 54.2

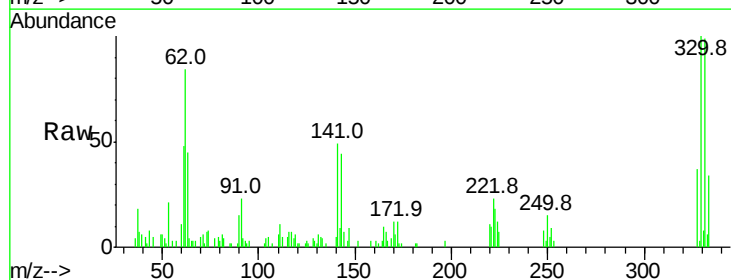


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

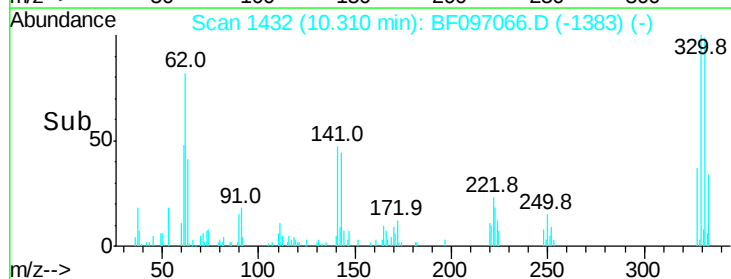
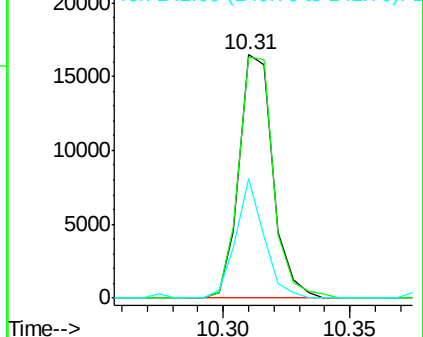


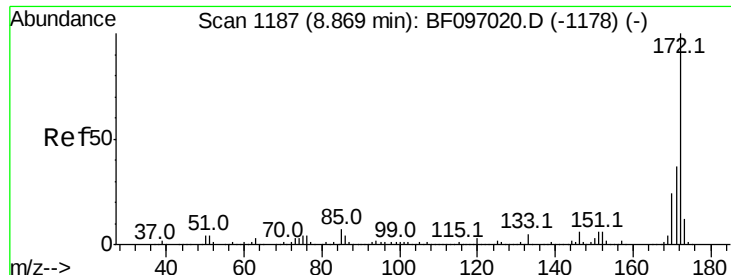
#41
 2,4,6-Tribromophenol
 Concen: 12.396 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

Tgt Ion:330 Resp: 15291
 Ion Ratio Lower Upper
 330 100
 332 101.2 76.6 115.0
 141 40.6 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

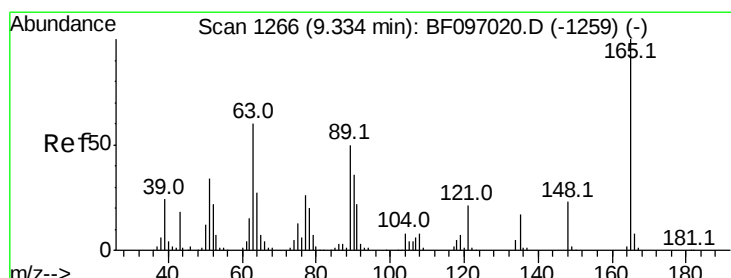
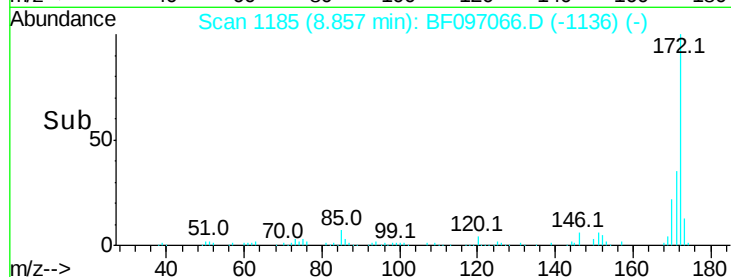
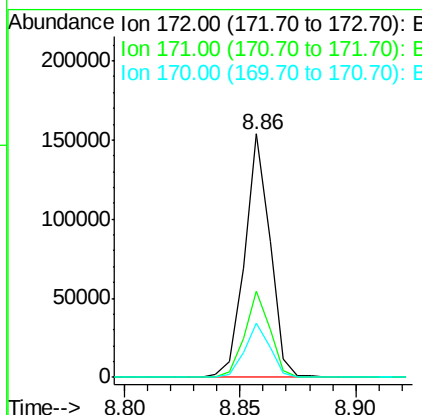
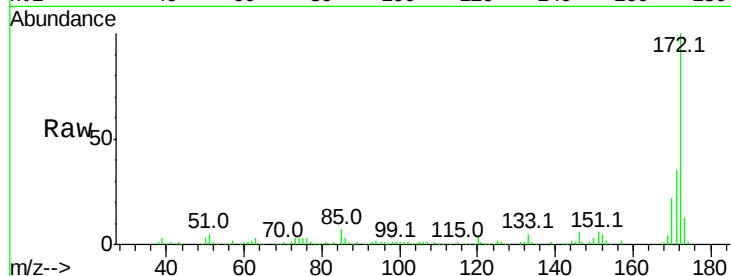




#44
 2-Fluorobiphenyl
 Concen: 12.827 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

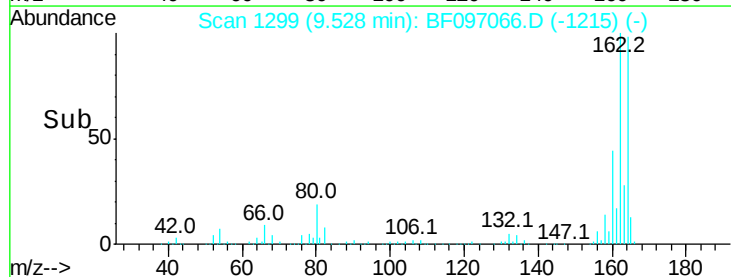
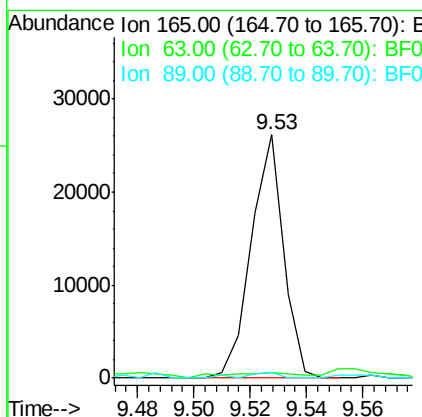
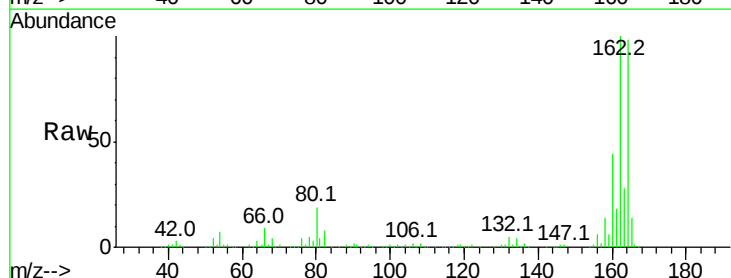
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANKDL

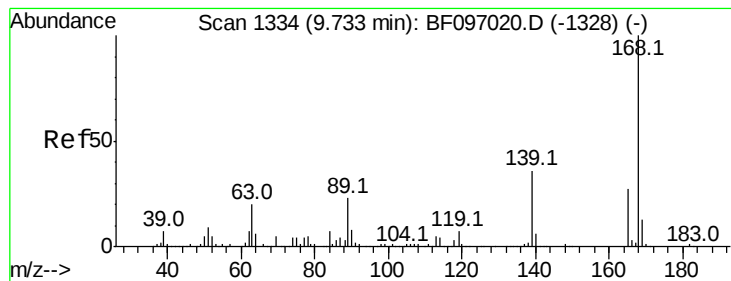
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	22.3	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.277 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	34.3	51.5#
89	2.1	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 7.200 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

Instrument :

BNA_F

ClientSampleId :

FRAC-TANKDL

Tot Ion:165 Resp: 20813

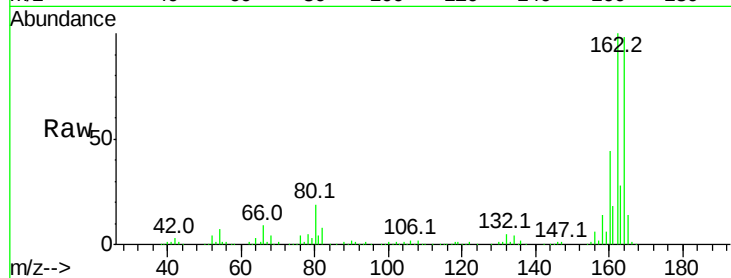
Ion Ratio Lower Upper

165 100

63 2.5 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

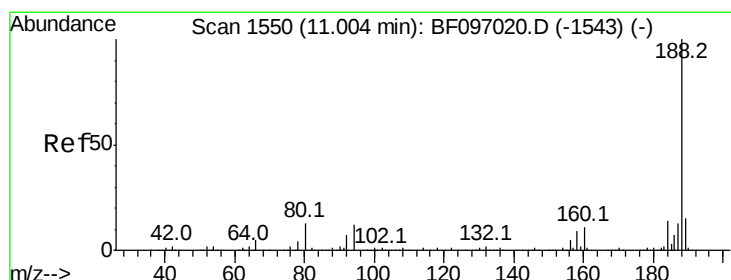
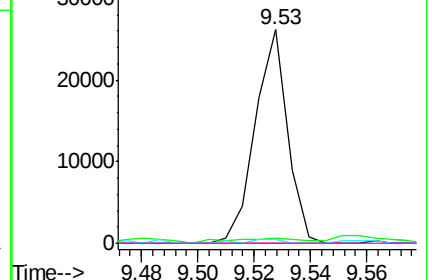
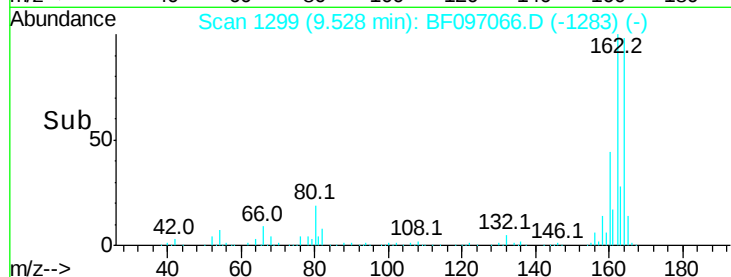


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

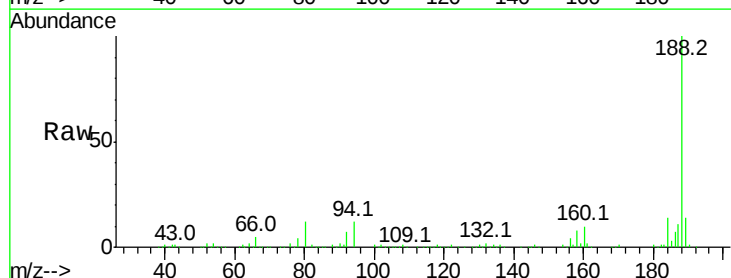
Tgt Ion:188 Resp: 241397

Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

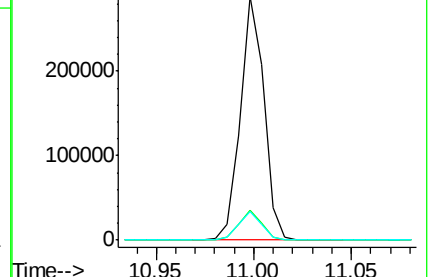
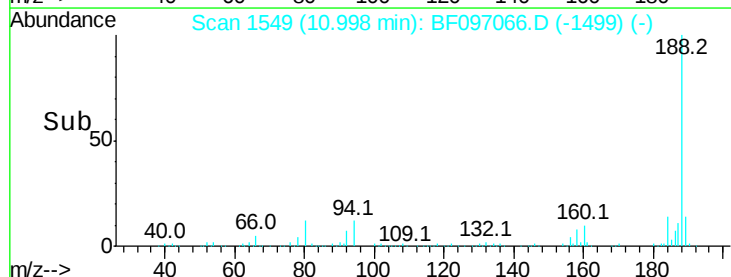
80 11.6 10.2 15.2

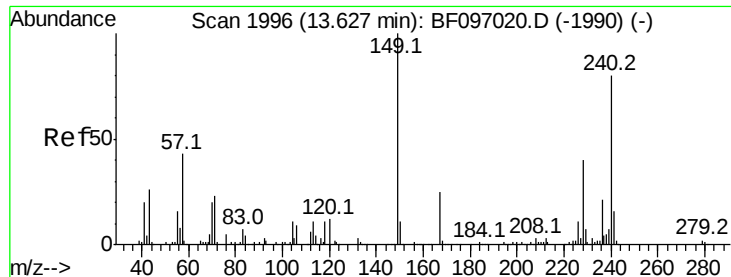


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

Instrument :

BNA_F

ClientSampleId :

FRAC-TANKDL

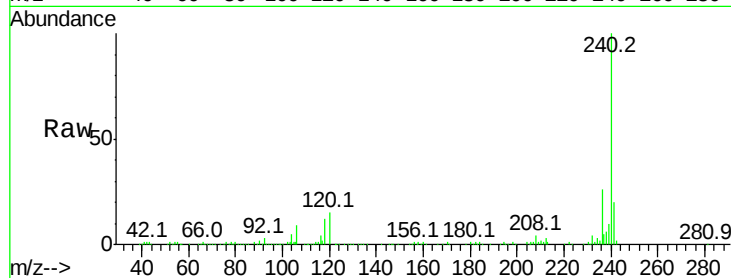
Tot Ion:240 Resp: 180444

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

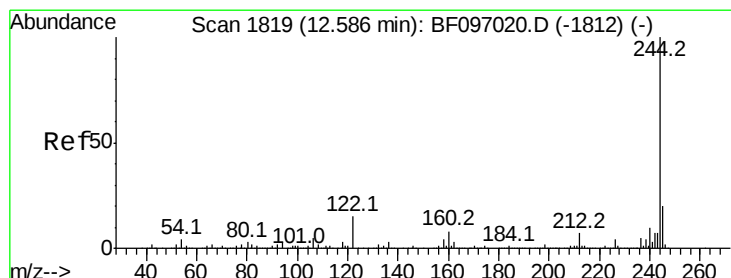
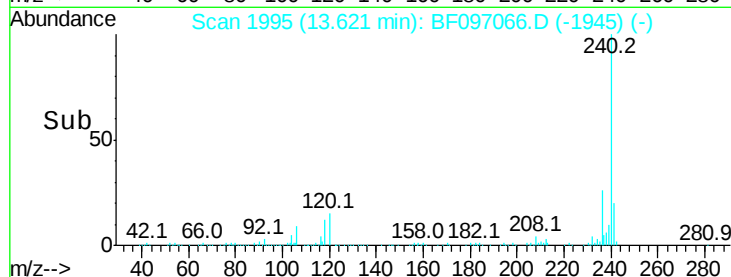
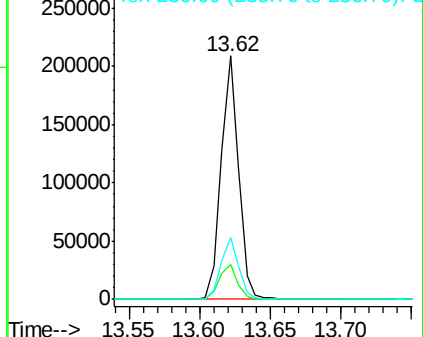
236 25.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 8.182 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097066.D

Acq: 26 Jul 2017 9:36

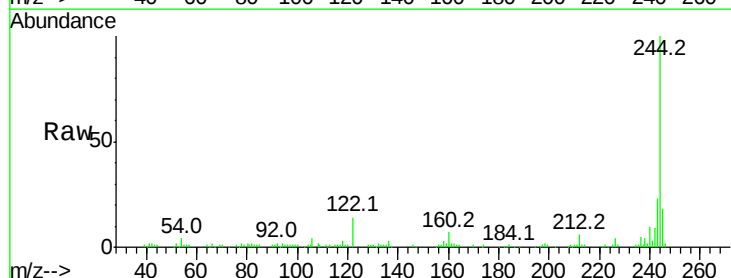
Tgt Ion:244 Resp: 72409

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

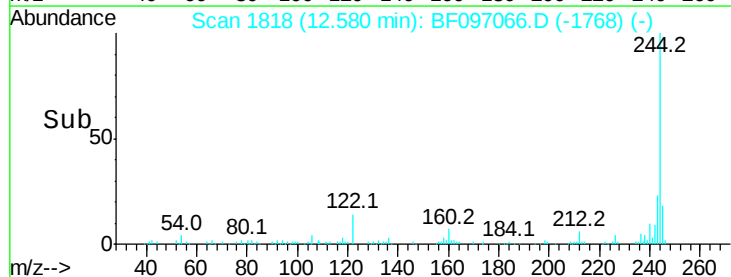
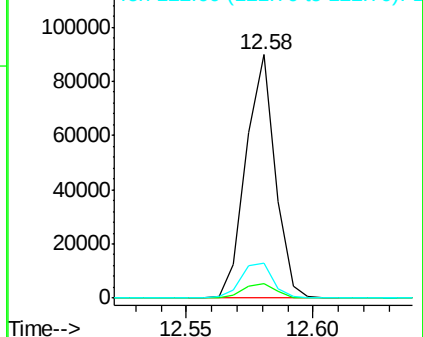
122 14.3 10.3 15.5

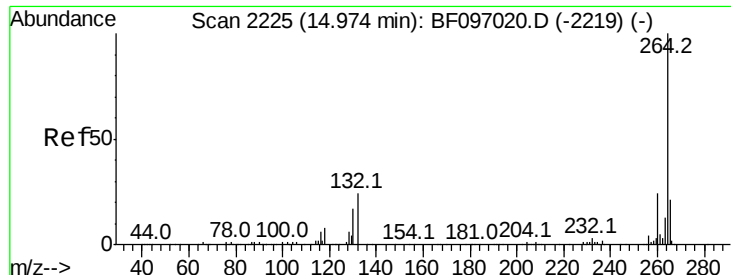


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BF097066.D
 Acq: 26 Jul 2017 9:36

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANKDL

Tot Ion:	264	Resp:	132325
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.2	17.2	25.8

