

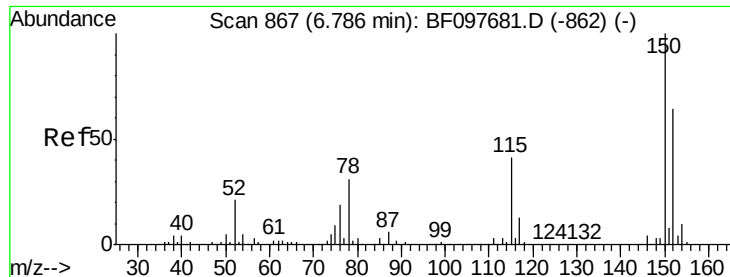
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097927.D
 Acq On : 22 Aug 2017 1:25
 Operator : SJ/JU
 Sample : I4890-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-7

Quant Time: Aug 22 04:11:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	108241	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	411364	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	154788	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	256306	20.00	ng	0.00
75) Chrysene-d12	13.90	240	226979	20.00	ng	0.00
86) Perylene-d12	15.32	264	158203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	726886	102.15	ng	0.01
7) Phenol-d6	6.39	99	949383	98.19	ng	0.00
23) Nitrobenzene-d5	7.31	82	550115	72.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	120686	89.86	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	765102	72.62	ng	0.00
78) Terphenyl-d14	12.85	244	542717	49.86	ng	0.00
Target Compounds						
10) Phenol	6.39	94	30182	2.67	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.31	70	73789	11.15	ng	# 73
25) Isophorone	7.31	82	539235	34.25	ng	# 67
49) Dimethylphthalate	9.50	163	98489	8.70	ng	99
56) 2,4-Dinitrotoluene	9.78	165	19403	6.85	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.57	198	258	8.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	8709	3.27	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-7

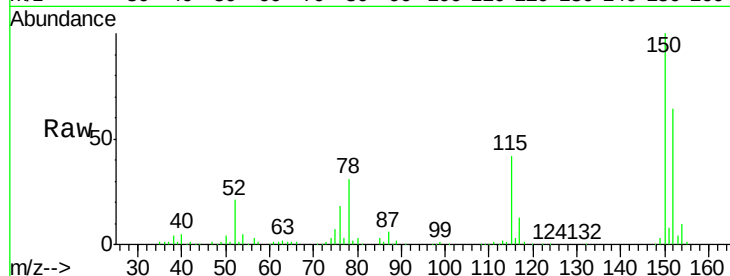
Tot Ion:152 Resp: 108241

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

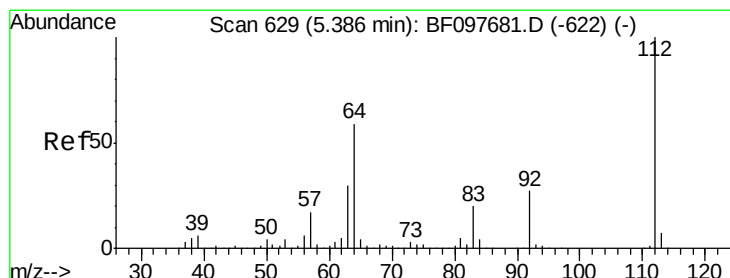
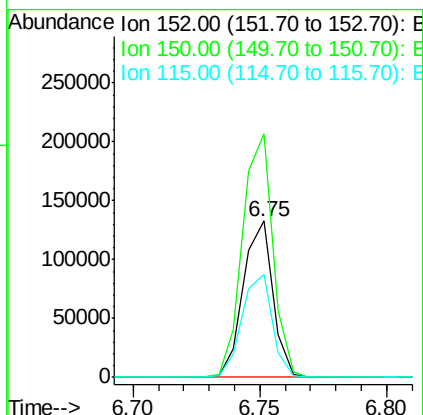
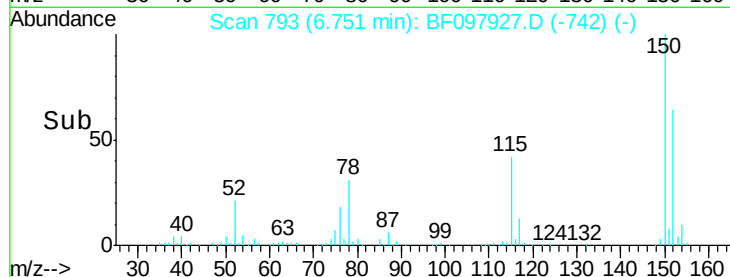
115 65.8 52.2 78.2



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: 102.15 ng

RT: 5.36 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

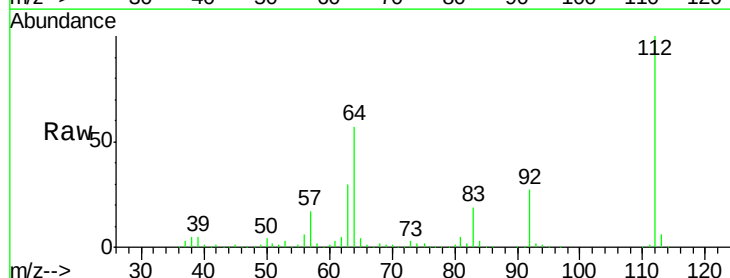
Tgt Ion:112 Resp: 726886

Ion Ratio Lower Upper

112 100

64 57.1 46.0 69.0

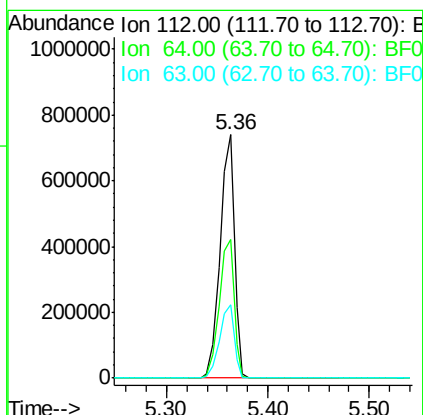
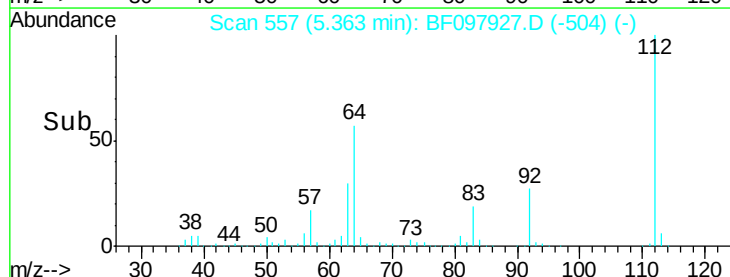
63 29.9 23.4 35.0

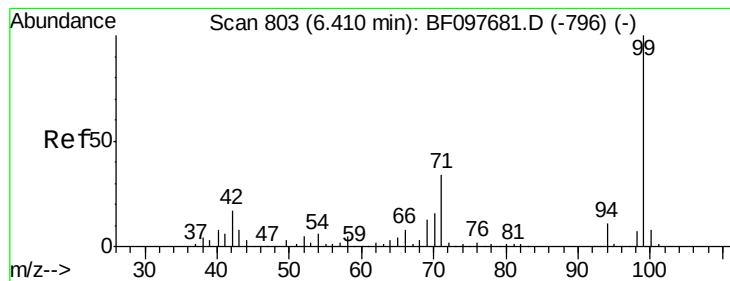


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.19 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-7

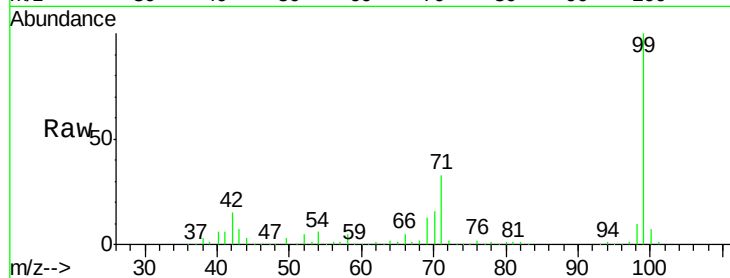
Tot Ion: 99 Resp: 949383

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

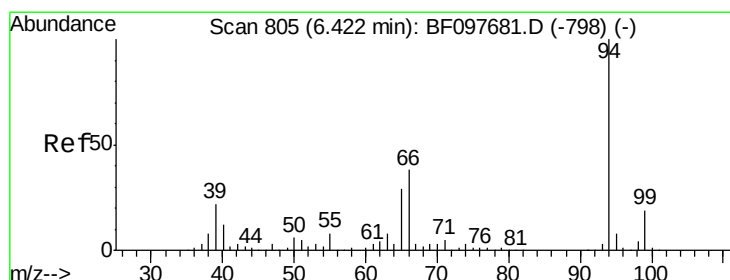
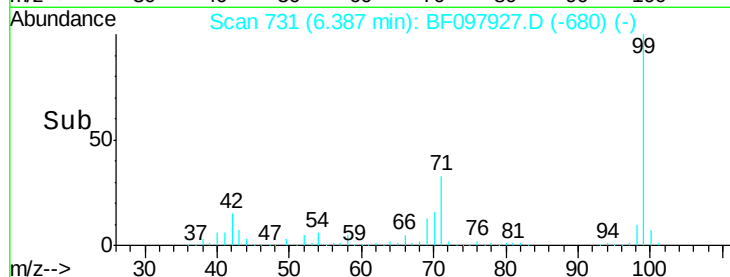
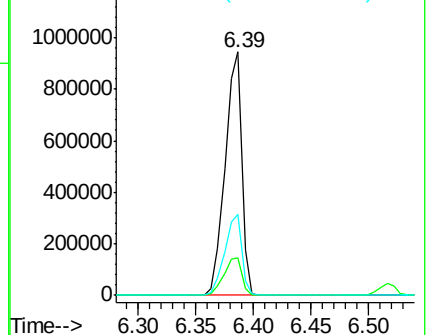
71 33.0 24.5 36.7



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: 2.67 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

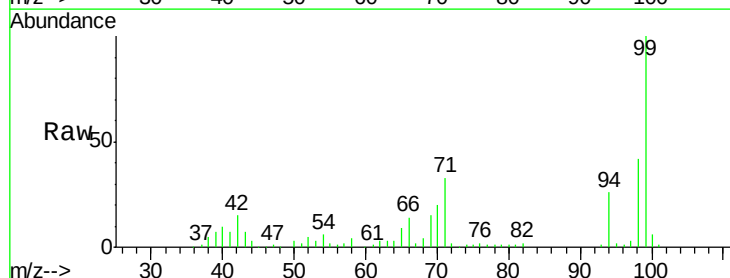
Tgt Ion: 94 Resp: 30182

Ion Ratio Lower Upper

94 100

65 34.9 9.9 49.9

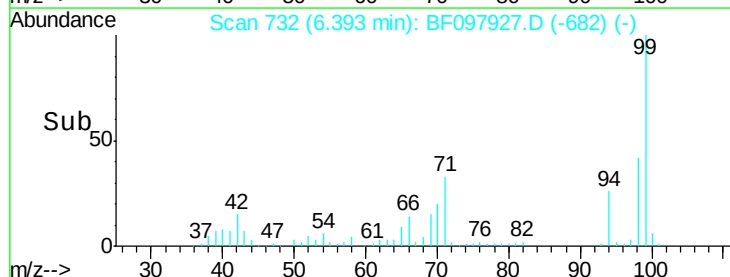
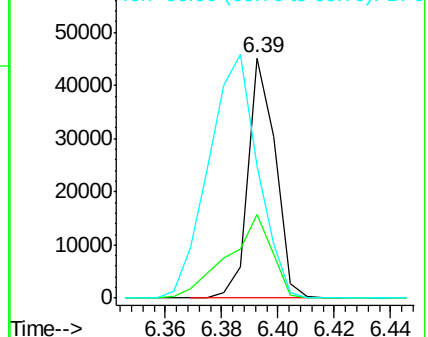
66 55.3 23.1 63.1

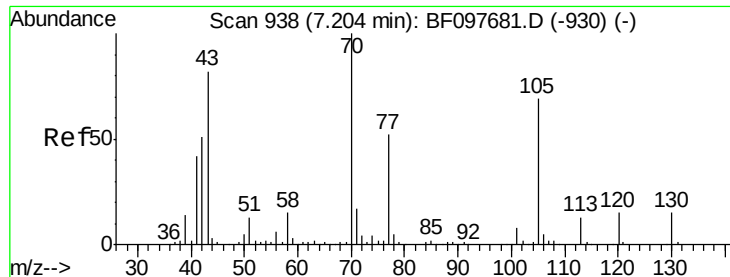


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

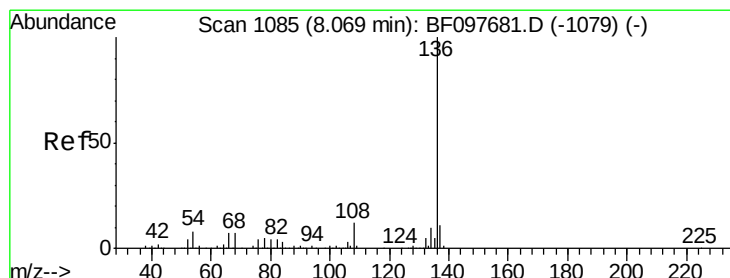
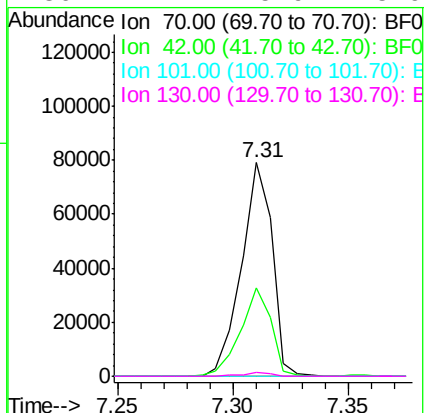
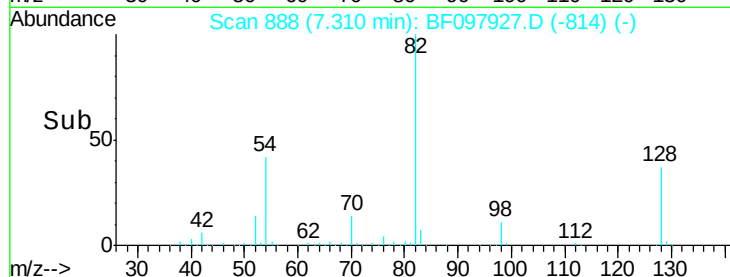
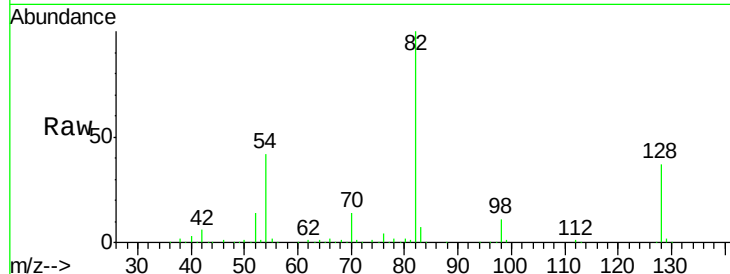




#19
n-Nitroso-di-n-propylamine
Concen: 11.15 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF097927.D
Acq: 22 Aug 2017 1:25

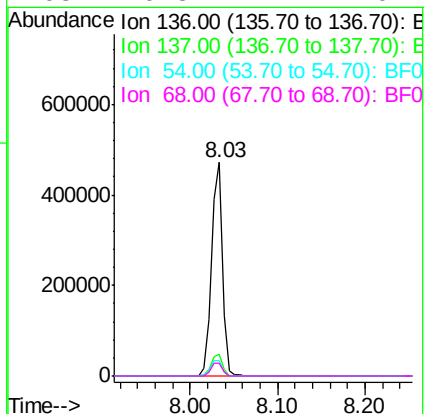
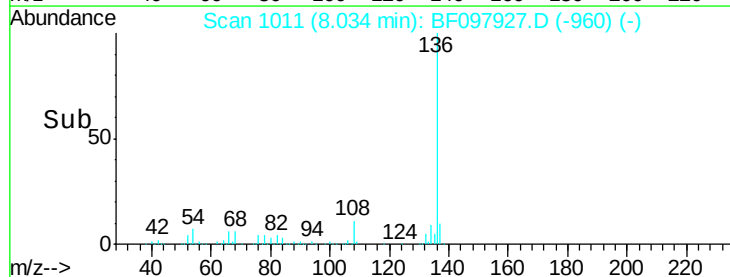
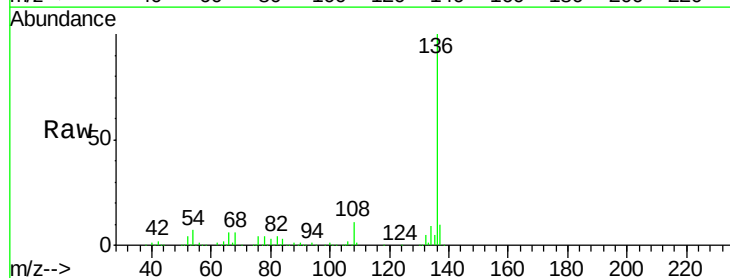
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-7

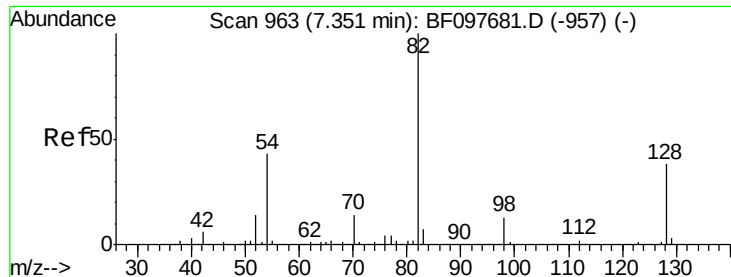
Tot Ion: 70 Resp: 73789
Ion Ratio Lower Upper
70 100
42 41.3 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF097927.D
Acq: 22 Aug 2017 1:25

Tgt Ion: 136 Resp: 411364
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 7.0 4.9 7.3
68 6.3 4.1 6.1#

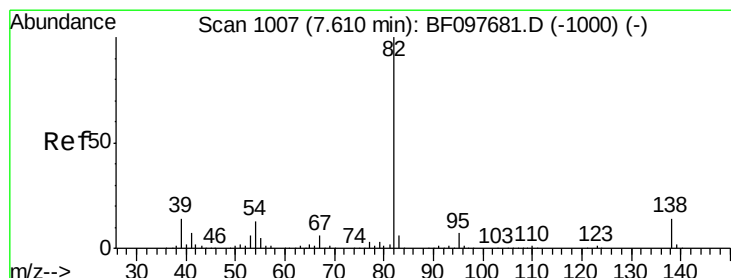
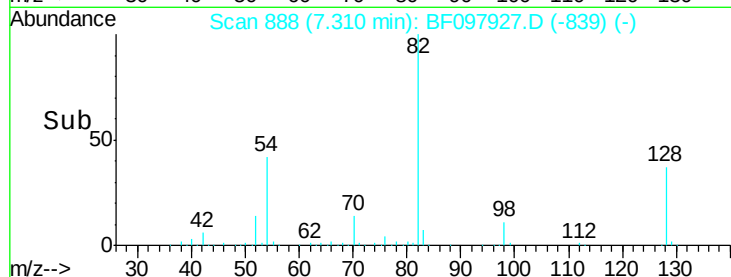
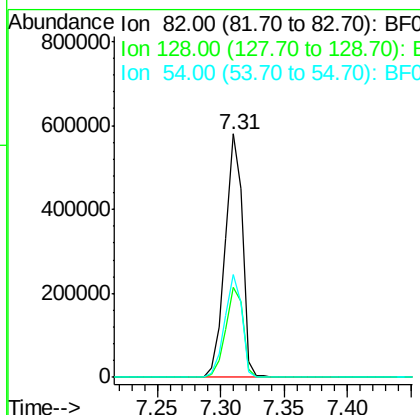
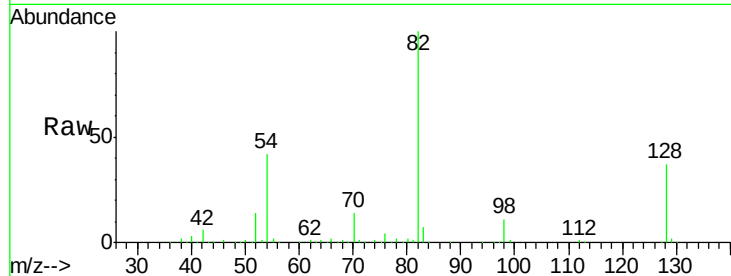




#23
 Nitrobenzene-d5
 Concen: 72.65 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

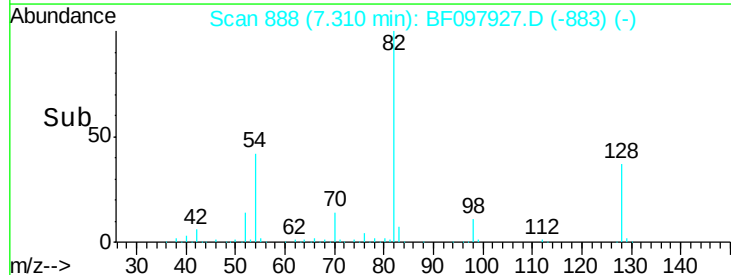
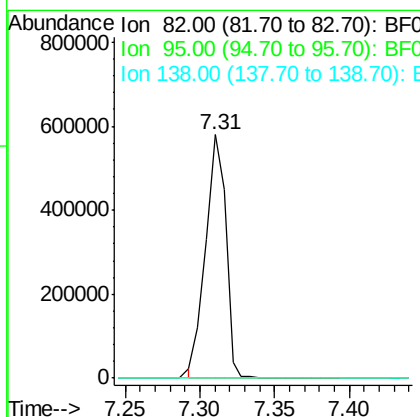
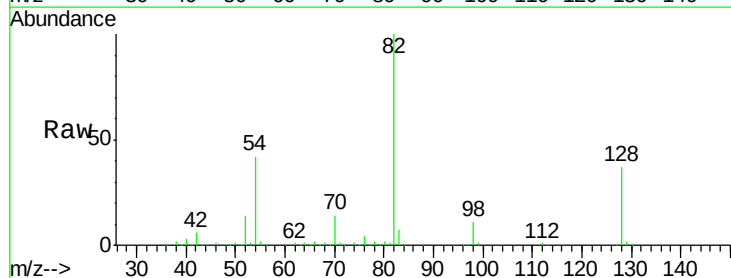
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-7

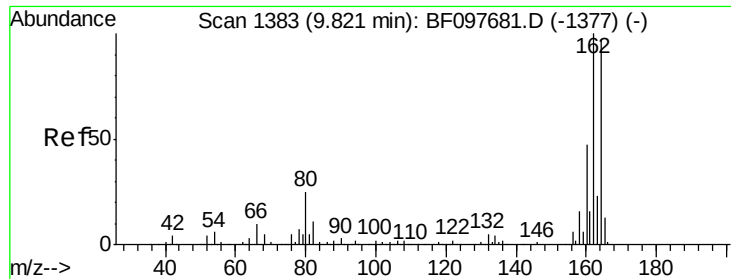
Tot Ion	82	Resp	550115
Ion Ratio	100	Lower	Upper
128	36.7	34.0	51.0
54	42.1	42.2	63.2#



#25
 Isophorone
 Concen: 34.25 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.27 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

Tgt Ion	82	Resp	539235
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

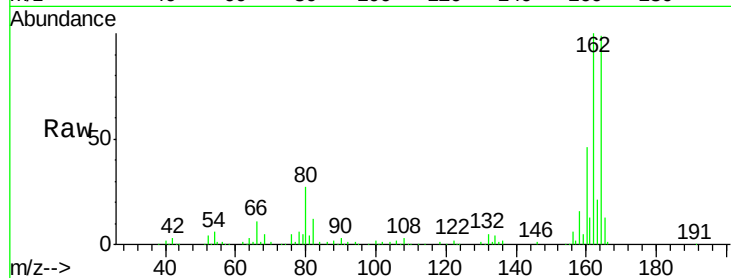




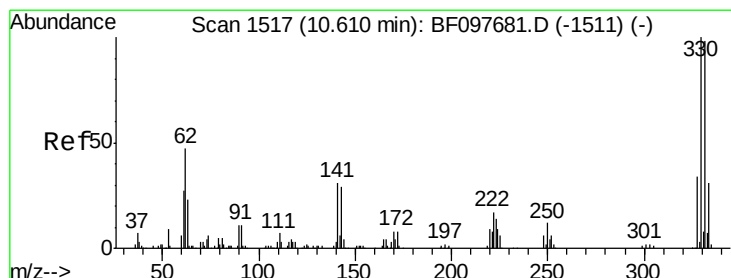
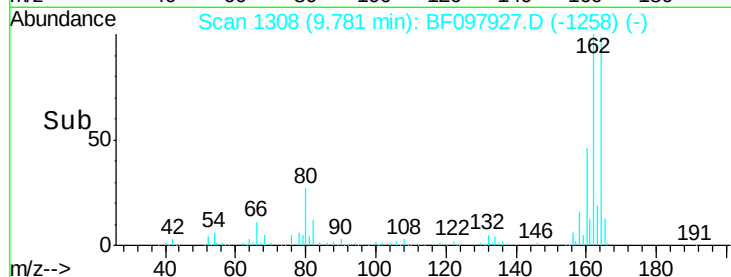
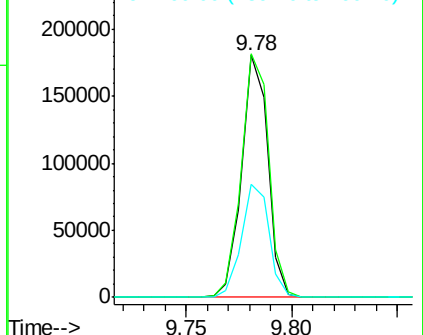
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-7

Tot Ion:164 Resp: 154788
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.6 123.8
 160 46.6 36.2 54.2

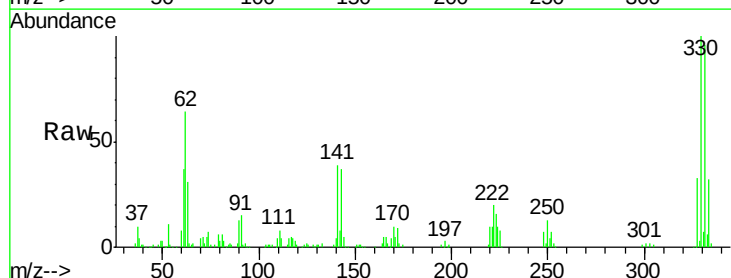


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

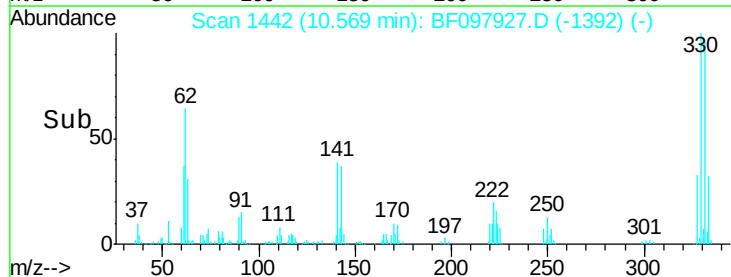
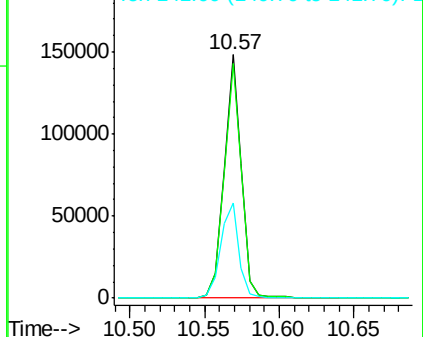


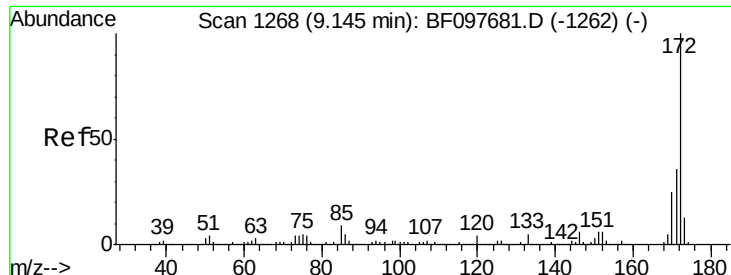
#41
 2,4,6-Tribromophenol
 Concen: 89.86 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

Tgt Ion:330 Resp: 120686
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 41.4 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

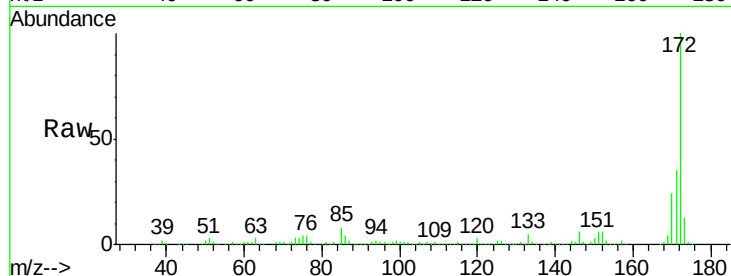




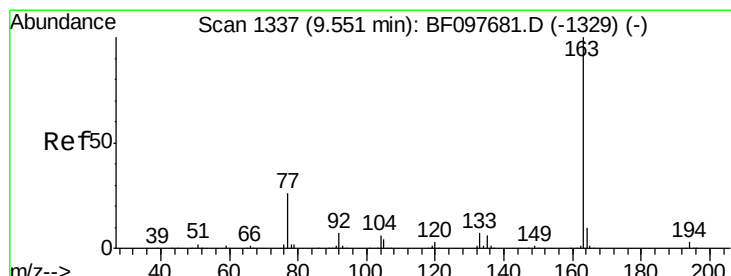
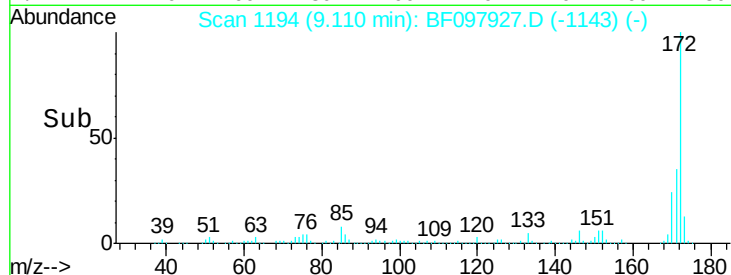
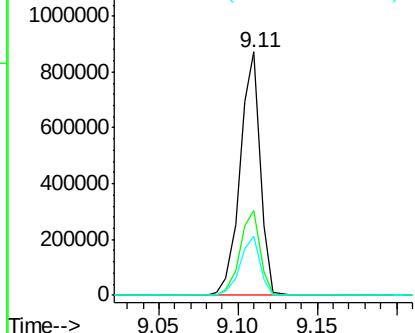
#44
2-Fluorobiphenyl
Concen: 72.62 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097927.D
Acq: 22 Aug 2017 1:25

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-7

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	24.3	19.8	29.8

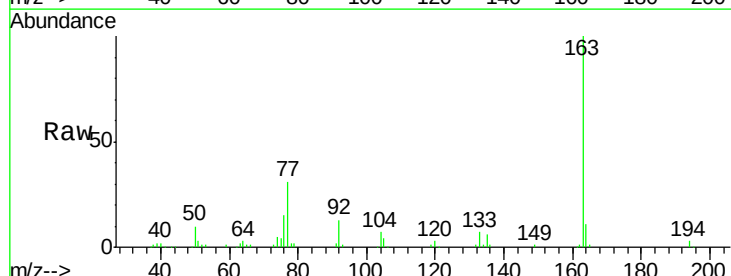


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

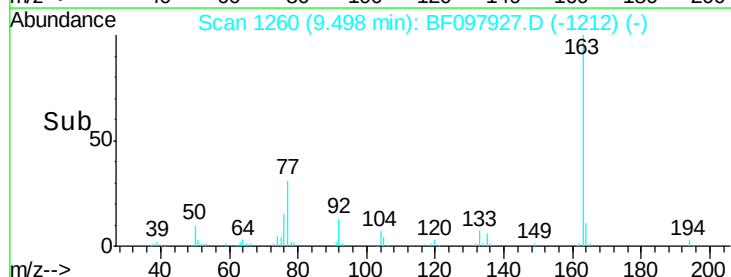
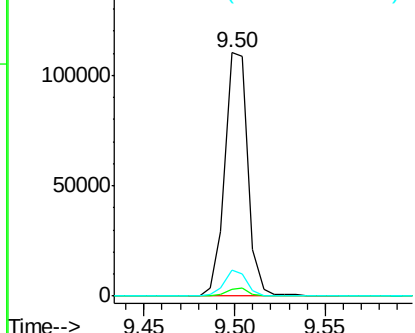


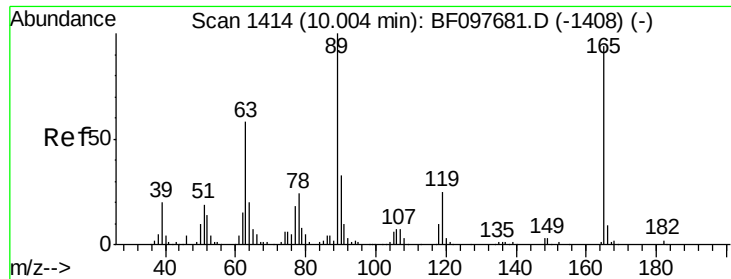
#49
Dimethylphthalate
Concen: 8.70 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097927.D
Acq: 22 Aug 2017 1:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.8	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

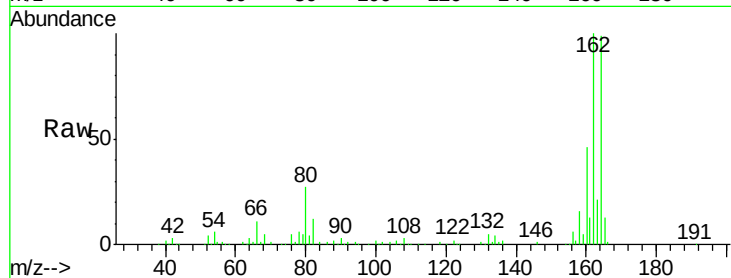




#56
 2,4-Dinitrotoluene
 Concen: 6.85 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-7

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

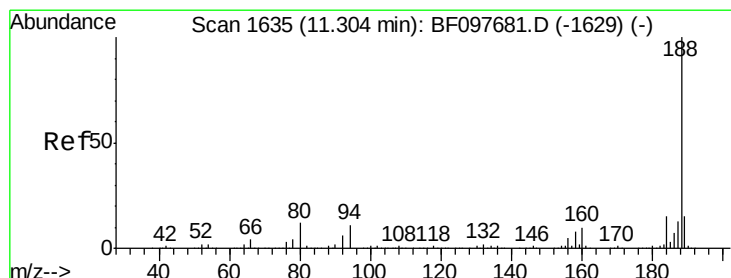
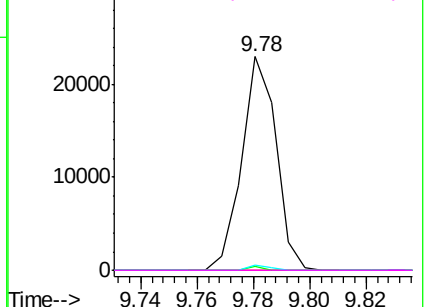
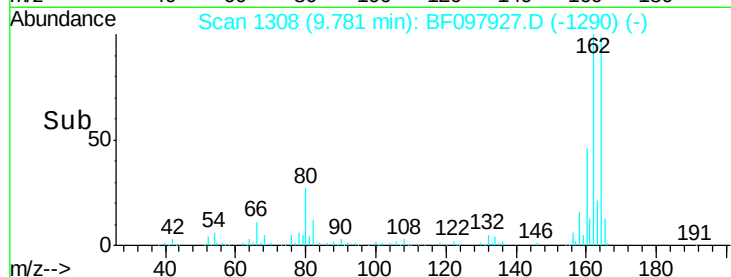


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

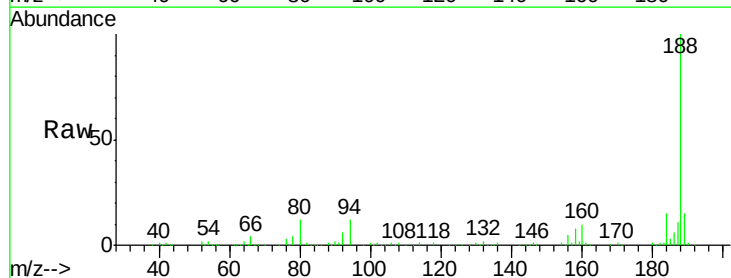
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

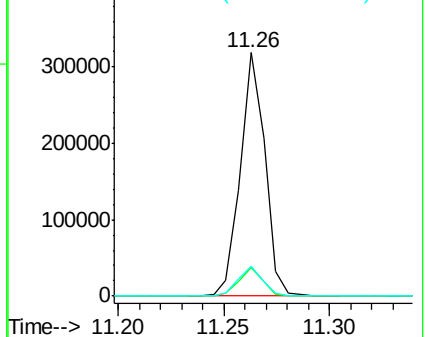
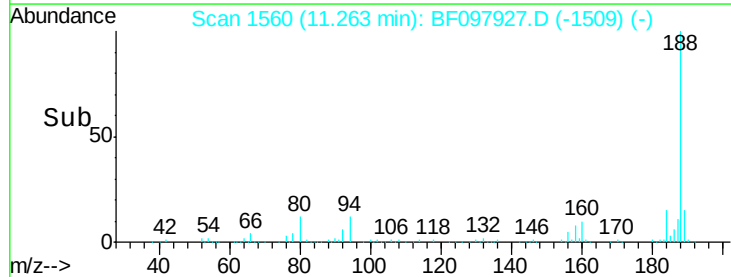
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.5	10.2	15.2

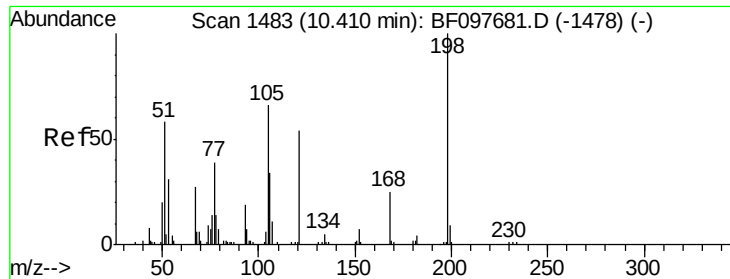


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

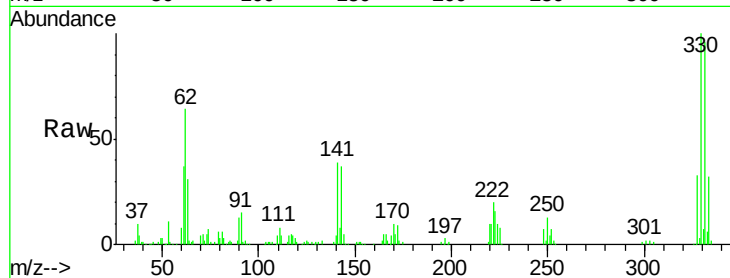




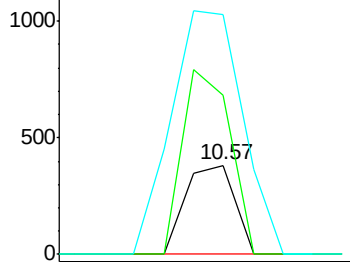
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.50 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-7

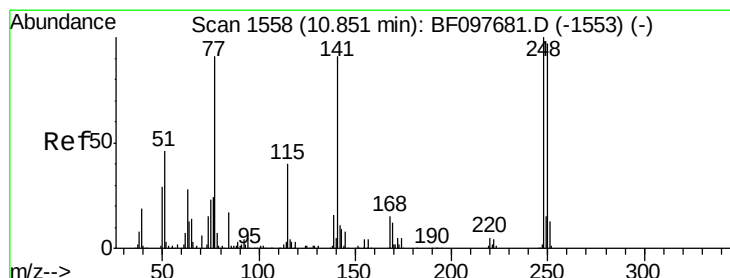
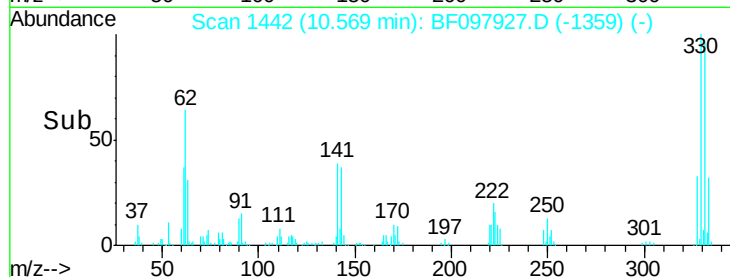
Tot Ion:198 Resp: 258
 Ion Ratio Lower Upper
 198 100
 51 178.0 53.2 93.2#
 105 268.8 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

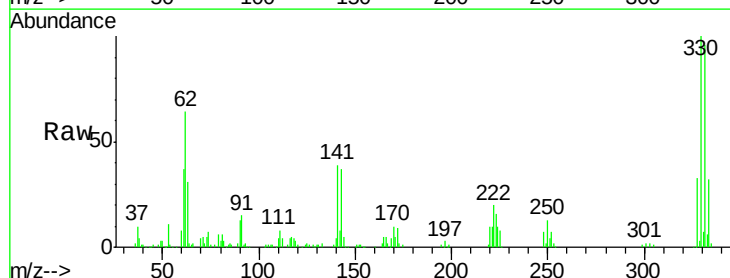


Time-->

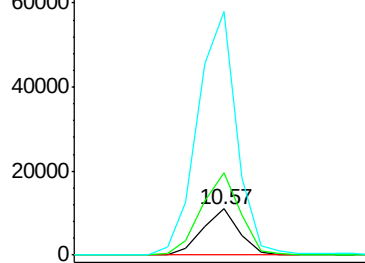


#66
 4-Bromophenyl-phenylether
 Concen: 3.27 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097927.D
 Acq: 22 Aug 2017 1:25

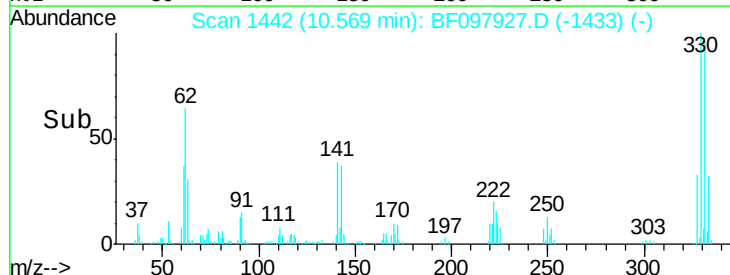
Tgt Ion:248 Resp: 8709
 Ion Ratio Lower Upper
 248 100
 250 179.3 76.8 115.2#
 141 529.5 68.6 103.0#

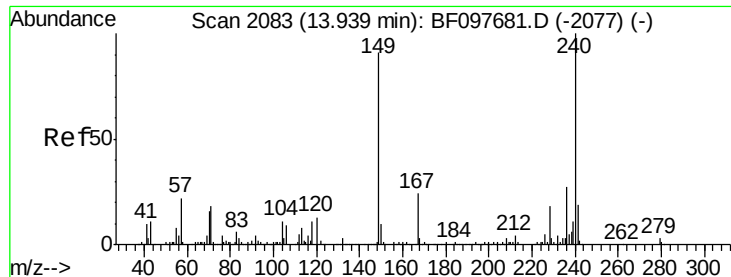


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-7

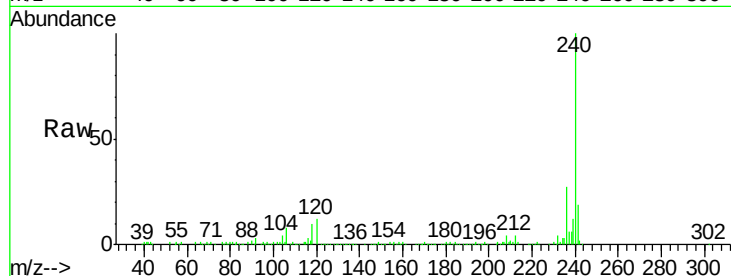
Tot Ion:240 Resp: 226979

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

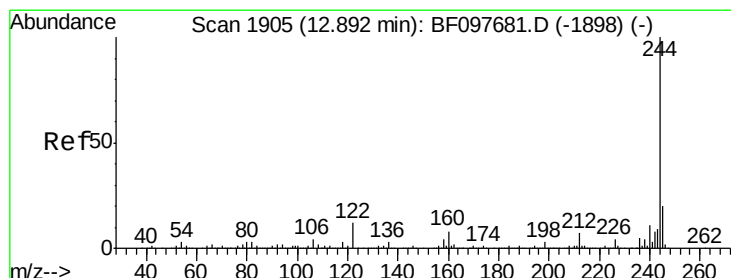
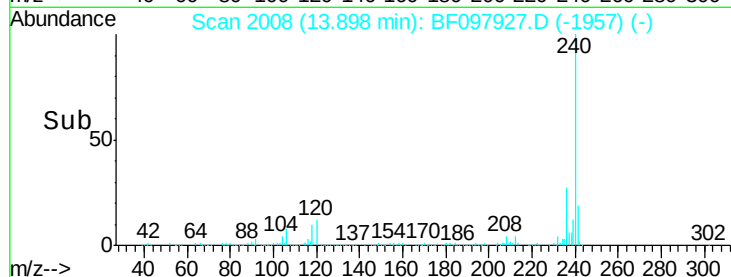
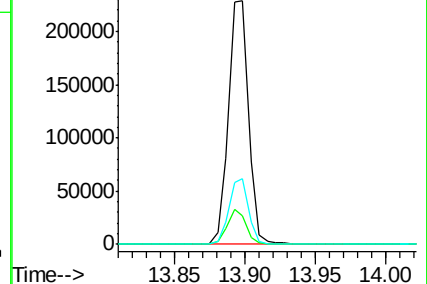
236 26.8 20.5 30.7



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: 49.86 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097927.D

Acq: 22 Aug 2017 1:25

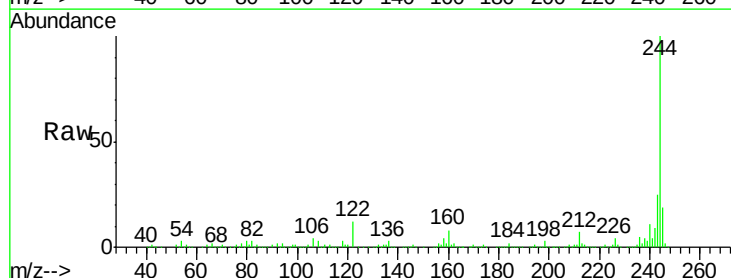
Tgt Ion:244 Resp: 542717

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

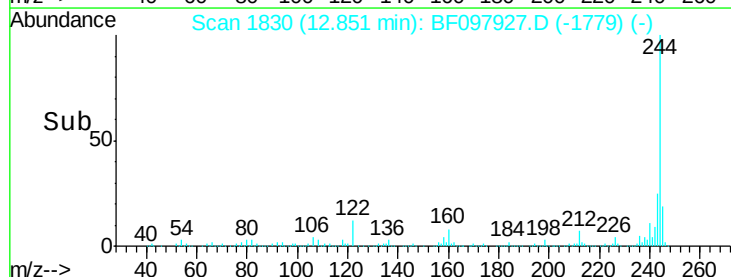
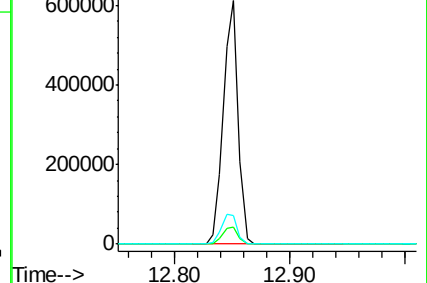
122 12.0 10.3 15.5

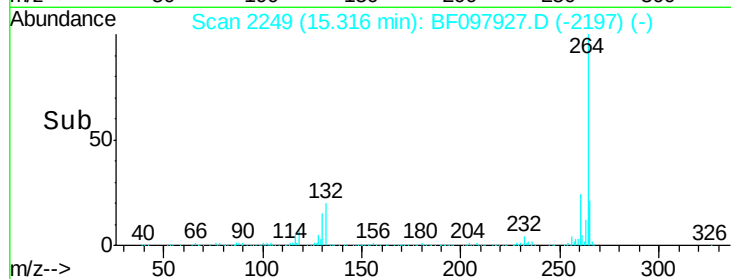
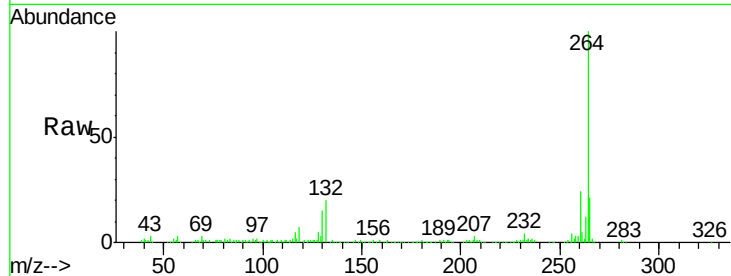
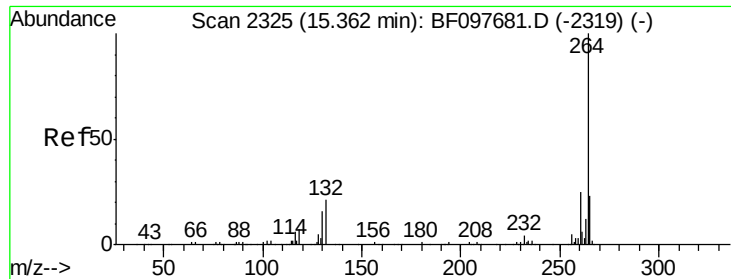


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097927.D
Acq: 22 Aug 2017 1:25

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	20.9	17.2	25.8

