

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097761.D
 Acq On : 17 Aug 2017 2:11
 Operator : SJ/JU
 Sample : I4797-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-BASE

Quant Time: Aug 17 07:31:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	143335	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	558670	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	231971	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	346619	20.00	ng	0.00
75) Chrysene-d12	13.93	240	261999	20.00	ng	0.00
86) Perylene-d12	15.36	264	234008	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	968966	102.83	ng	0.00
7) Phenol-d6	6.41	99	1326369	103.59	ng	0.00
23) Nitrobenzene-d5	7.35	82	809189	78.68	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	198448	98.60	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1099953	69.67	ng	0.00
78) Terphenyl-d14	12.89	244	532254	42.36	ng	0.00

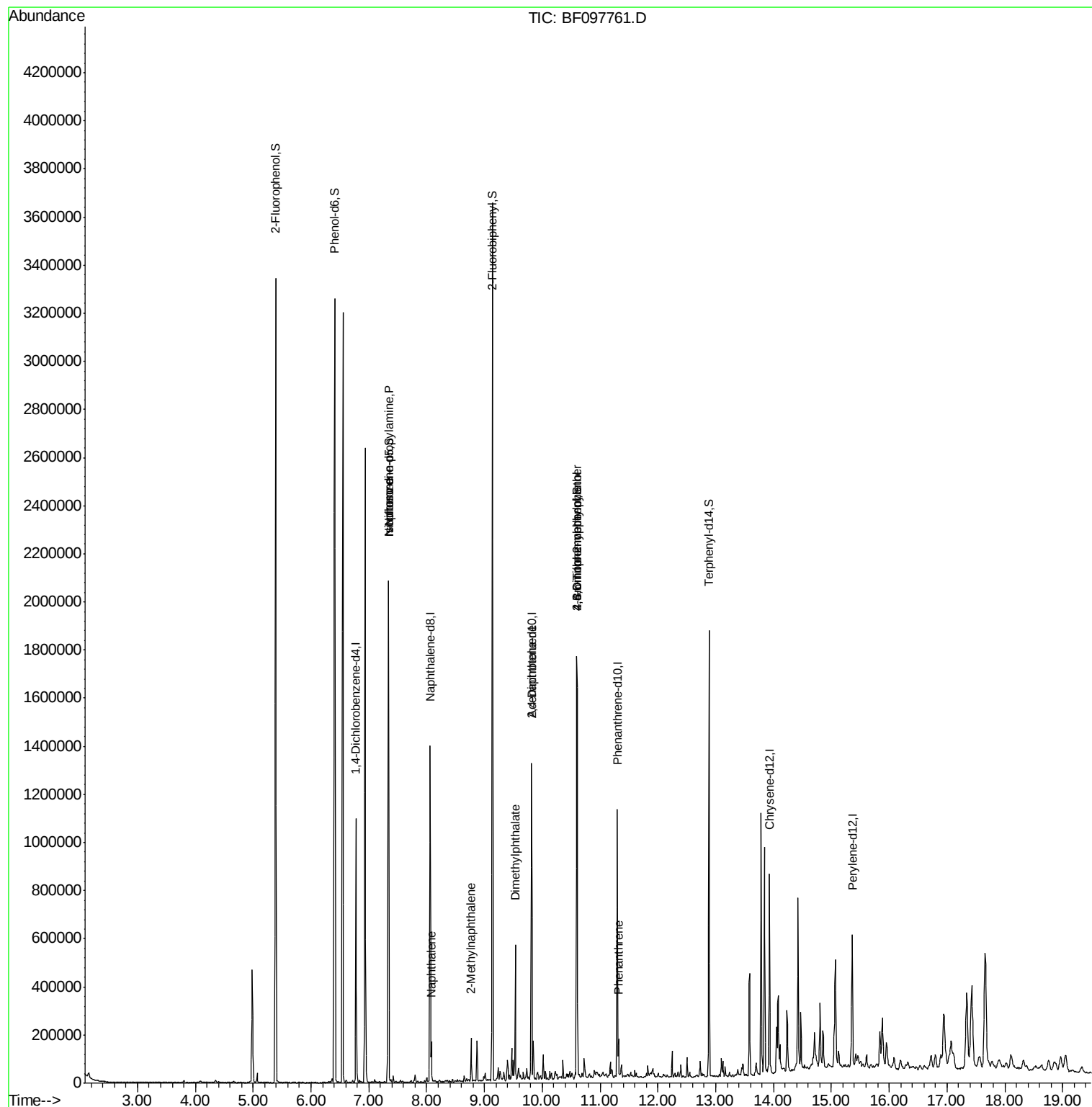
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	108663	12.40	ng	# 70
25) Isophorone	7.35	82	808183	37.79	ng	# 67
31) Naphthalene	8.08	128	59713	2.06	ng	98
37) 2-Methylnaphthalene	8.77	142	38583	2.17	ng	96
49) Dimethylphthalate	9.53	163	177164	10.45	ng	98
56) 2,4-Dinitrotoluene	9.82	165	31170	7.34	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	403	8.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	13126	3.65	ng	# 1
70) Phenanthrene	11.32	178	49285	2.67	ng	97

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

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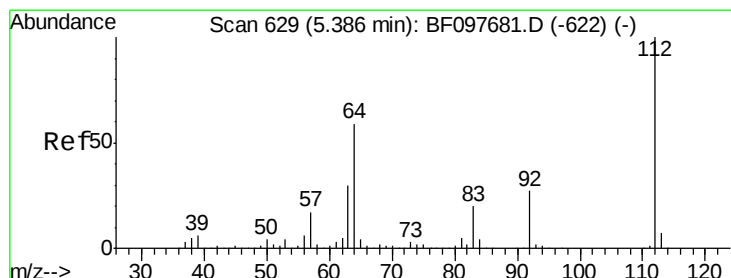
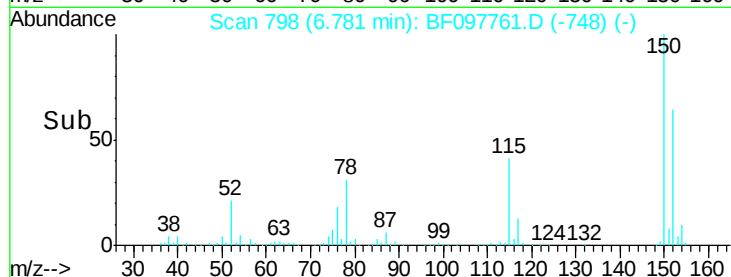
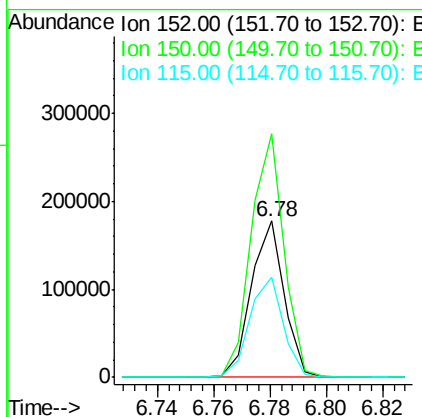
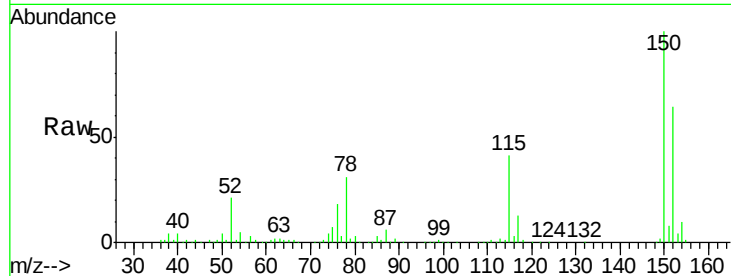


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

Instrument :
BNA_F
ClientSampleId :
E2-J9-BASE

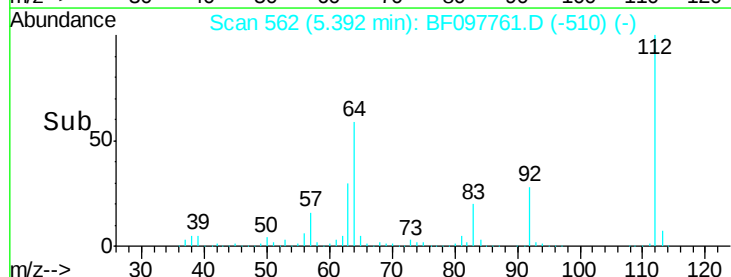
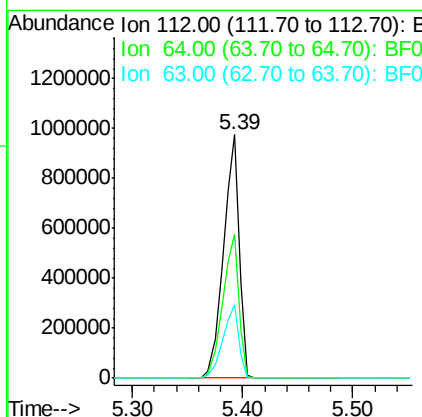
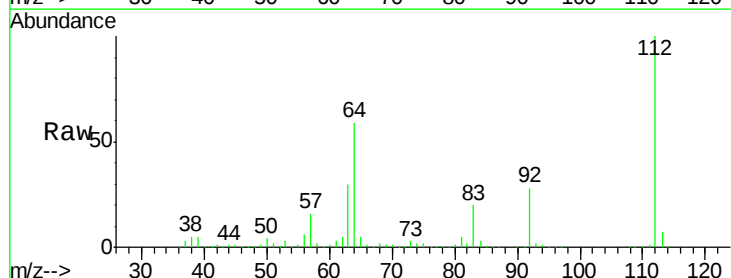
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	63.8	52.2	78.2

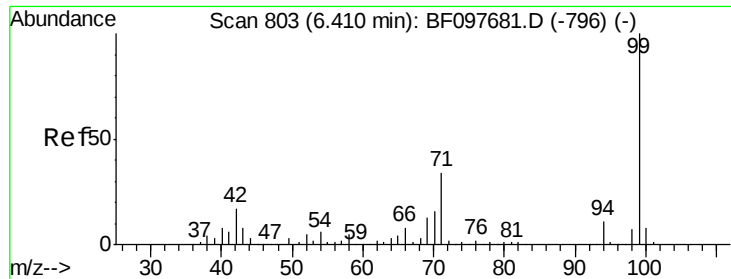


#5

2-Fluorophenol
Concen: 102.83 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	30.0	23.4	35.0





#7

Phenol-d6

Concen: 103.59 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

Instrument :

BNA_F

ClientSampleId :

E2-J9-BASE

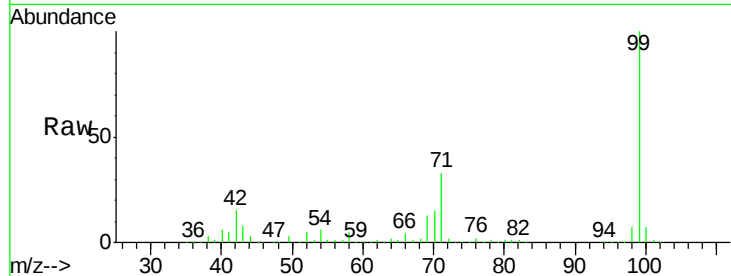
Tot Ion: 99 Resp: 1326369

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

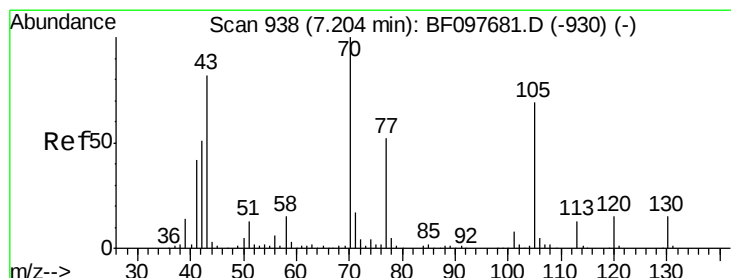
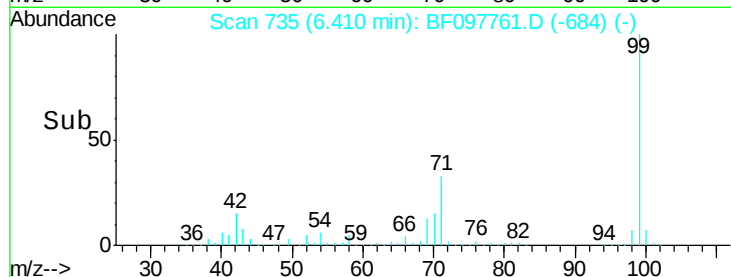
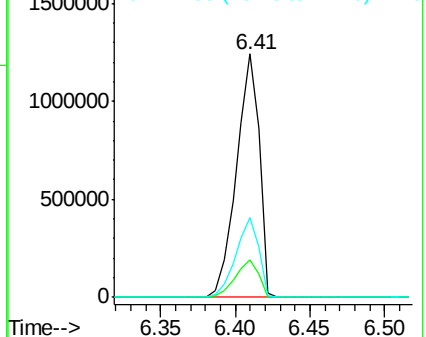
71 32.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.40 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

Tgt Ion: 70 Resp: 108663

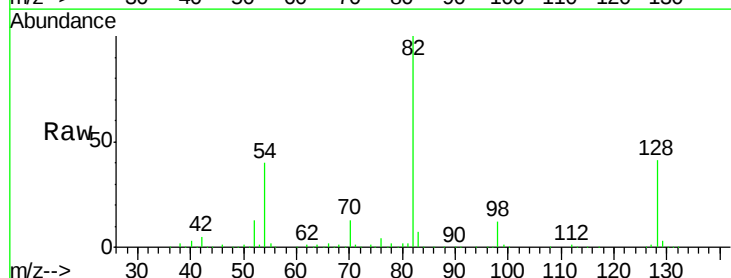
Ion Ratio Lower Upper

70 100

42 38.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

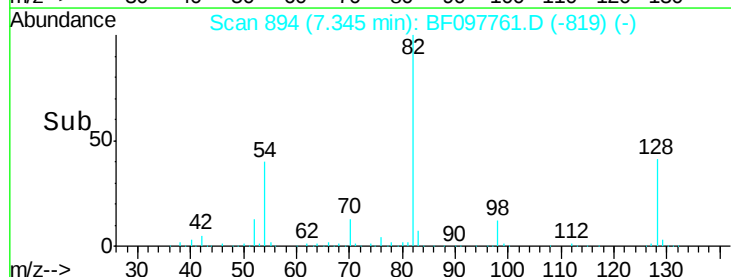
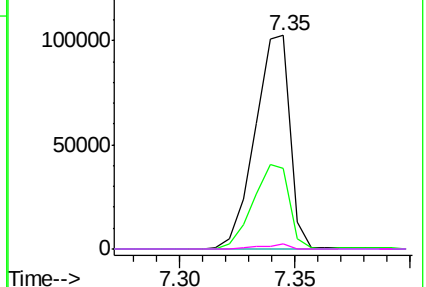


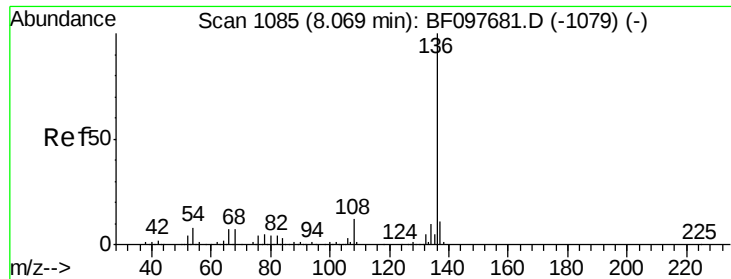
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

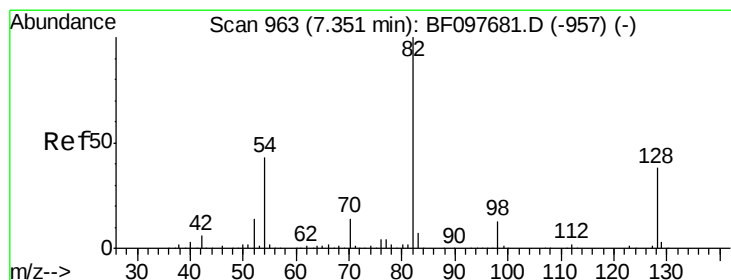
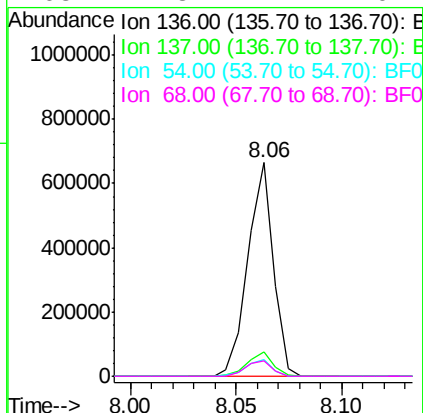
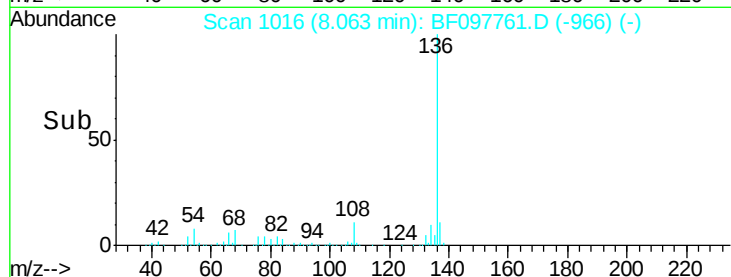
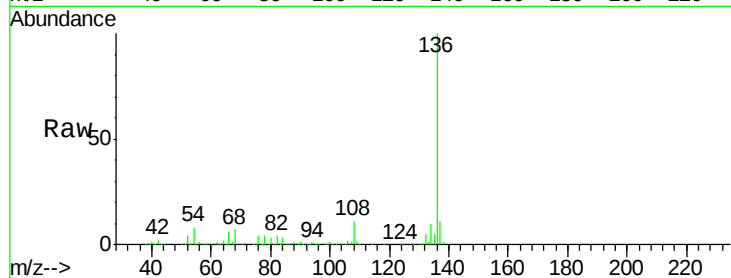




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

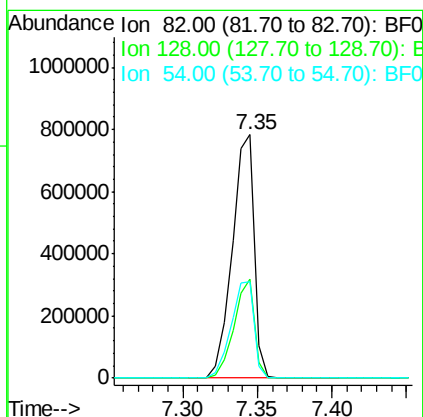
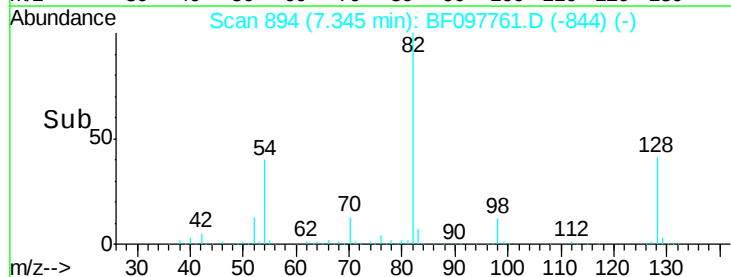
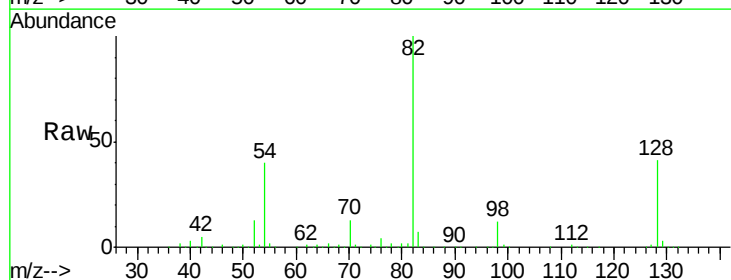
Instrument :
BNA_F
ClientSampleId :
E2-J9-BASE

Tot Ion:136	Resp:	558670
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	7.6	4.9 7.3#
68	7.3	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 78.68 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

Tgt Ion: 82	Resp:	809189
Ion Ratio	Lower	Upper
82	100	
128	40.5	34.0 51.0
54	39.8	42.2 63.2#





#25

Isophorone

Concen: 37.79 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

Instrument :

BNA_F

ClientSampleId :

E2-J9-BASE

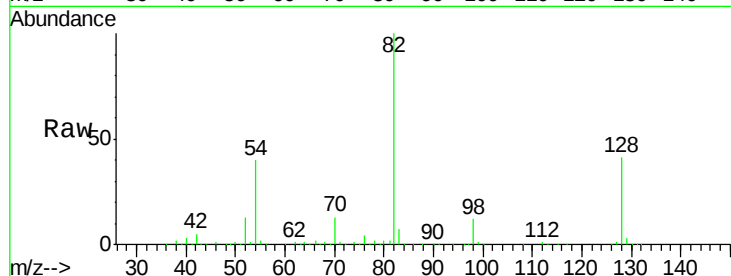
Tot Ion: 82 Resp: 808183

Ion Ratio Lower Upper

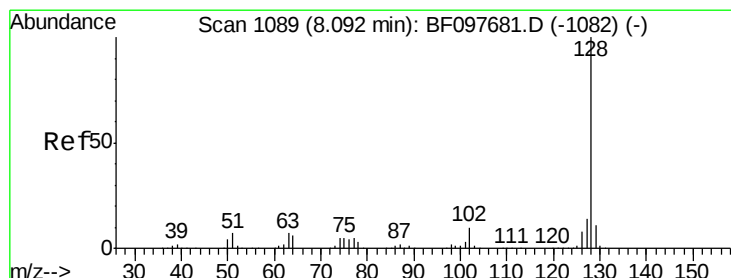
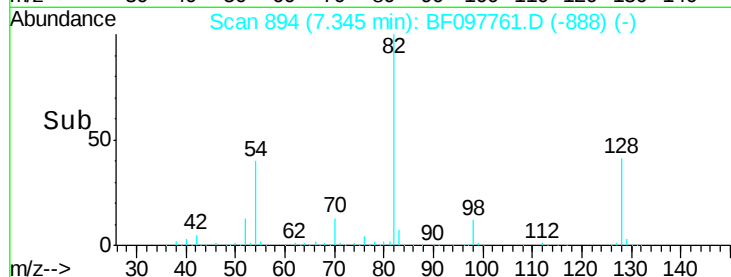
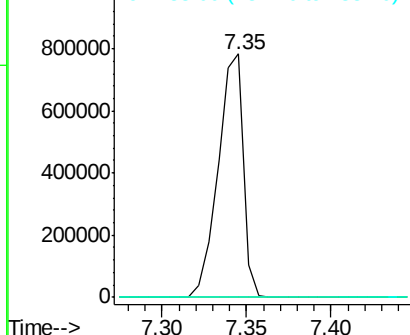
82 100

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): E



#31

Naphthalene

Concen: 2.06 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

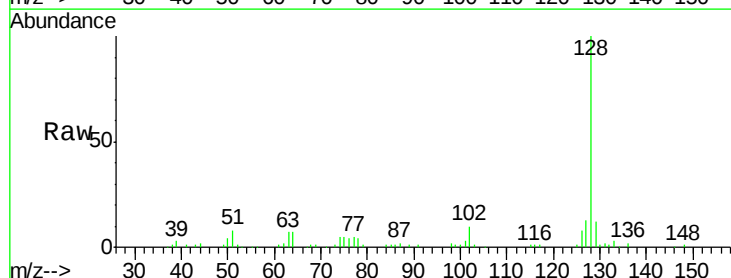
Tgt Ion: 128 Resp: 59713

Ion Ratio Lower Upper

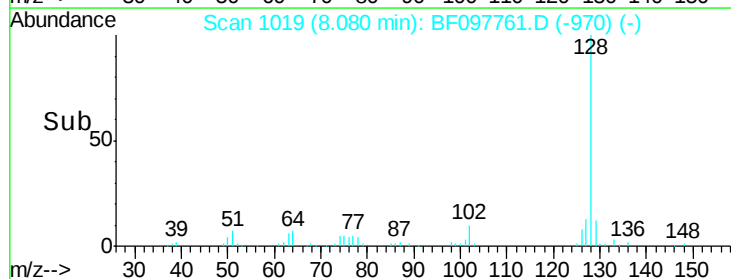
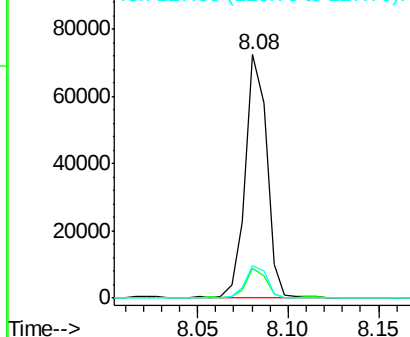
128 100

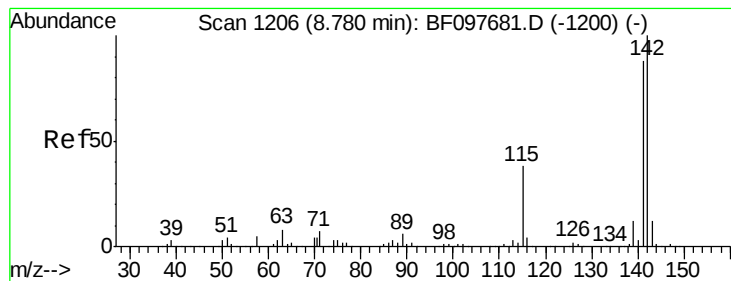
129 12.1 9.0 13.6

127 13.1 10.8 16.2



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





#37

2-Methylnaphthalene

Concen: 2.17 ng

RT: 8.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

Instrument :

BNA_F

ClientSampleId :

E2-J9-BASE

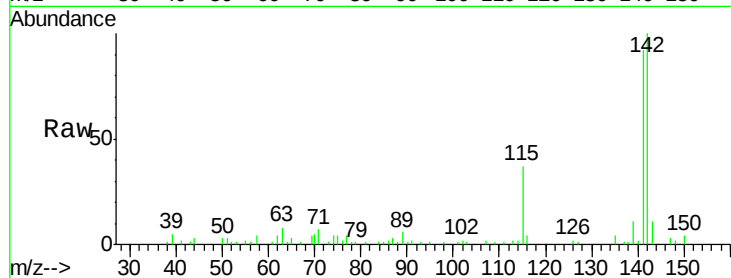
Tot Ion:142 Resp: 38583

Ion Ratio Lower Upper

142 100

141 92.0 71.3 106.9

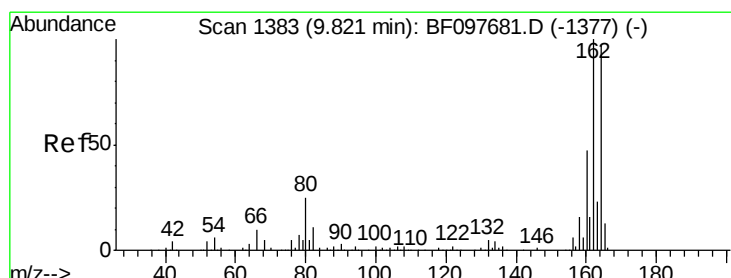
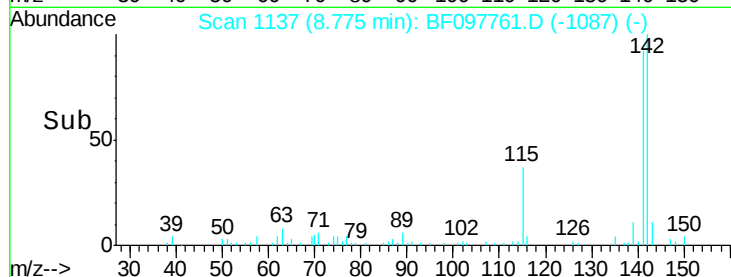
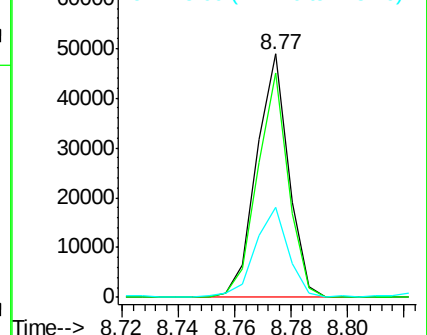
115 36.9 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

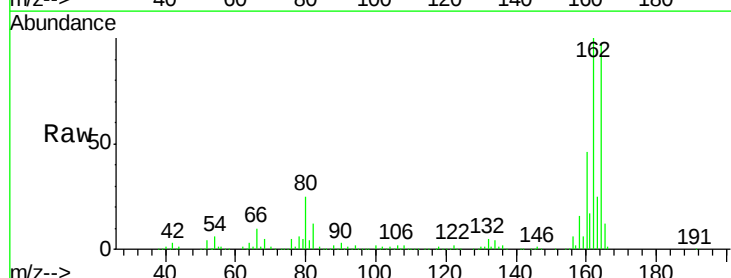
Tgt Ion:164 Resp: 231971

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

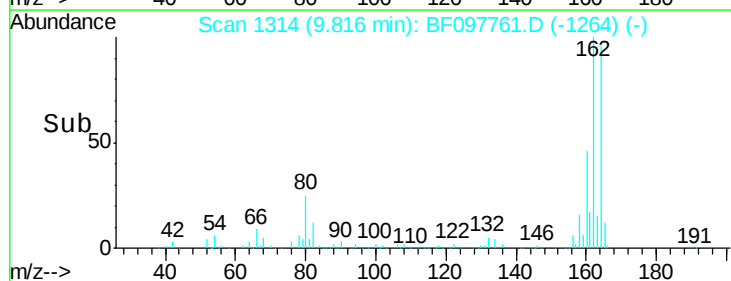
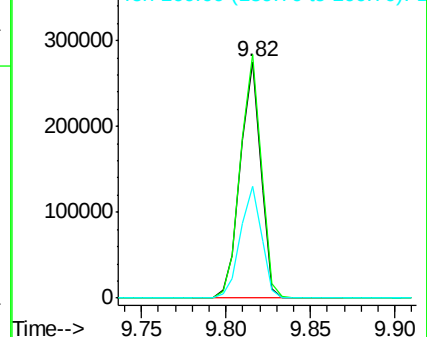
160 47.4 36.2 54.2

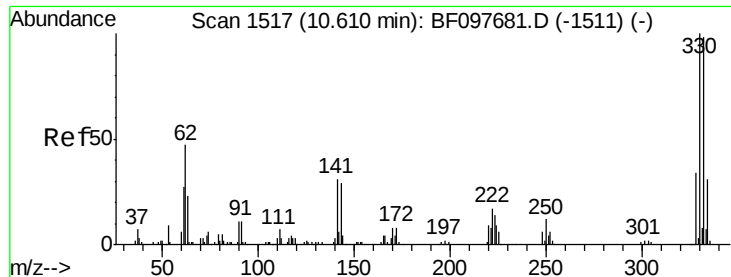


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

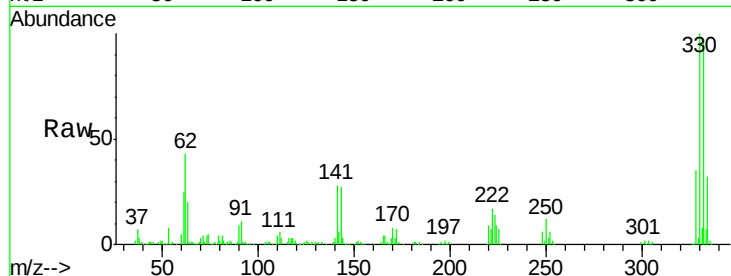




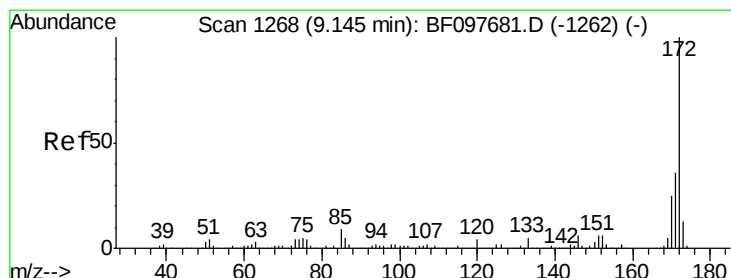
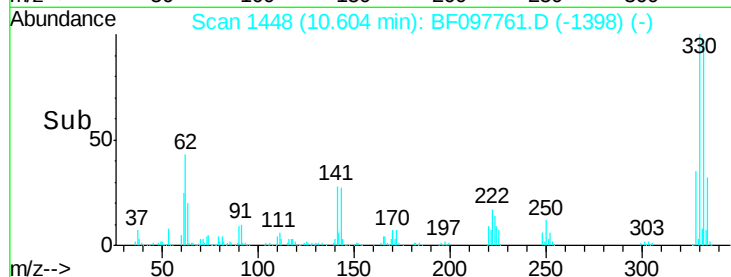
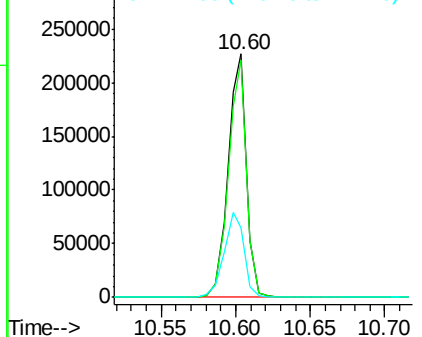
#41
 2,4,6-Tribromophenol
 Concen: 98.60 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-BASE

Tot Ion:330 Resp: 198448
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 38.1 31.4 47.2

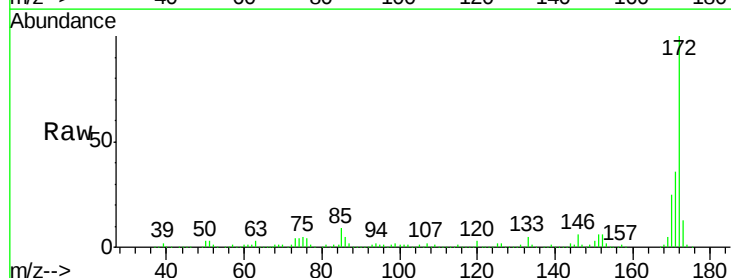


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

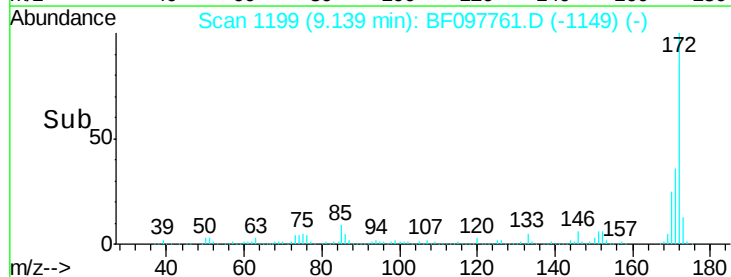
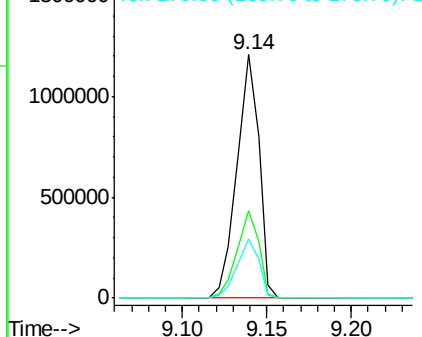


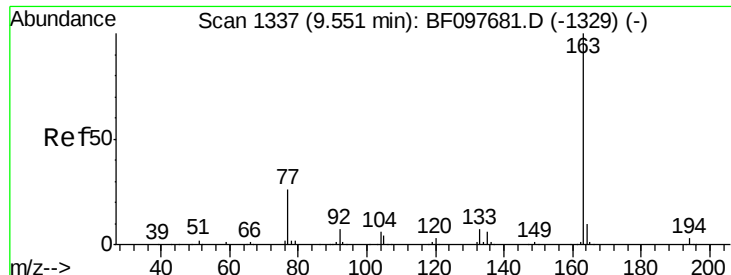
#44
 2-Fluorobiphenyl
 Concen: 69.67 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Tgt Ion:172 Resp: 1099953
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.6 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

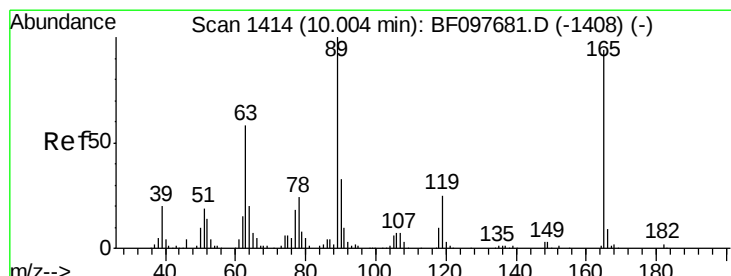
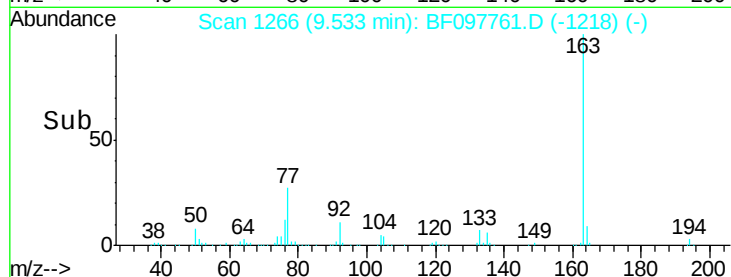
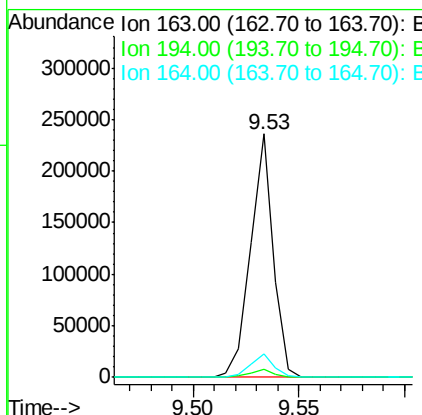
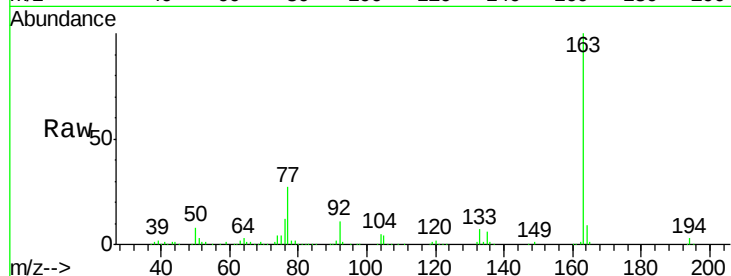




#49
Dimethylphthalate
Concen: 10.45 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

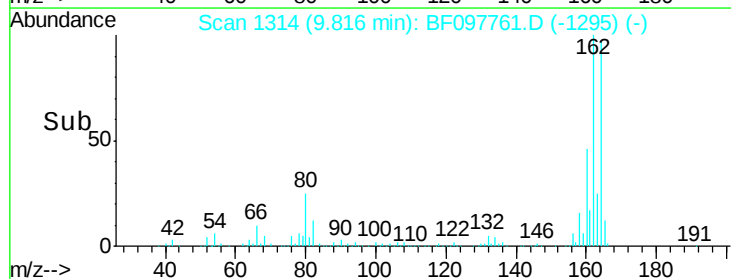
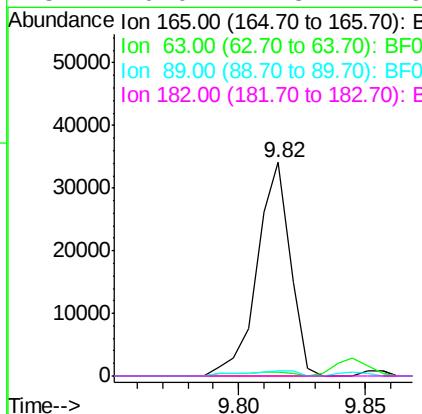
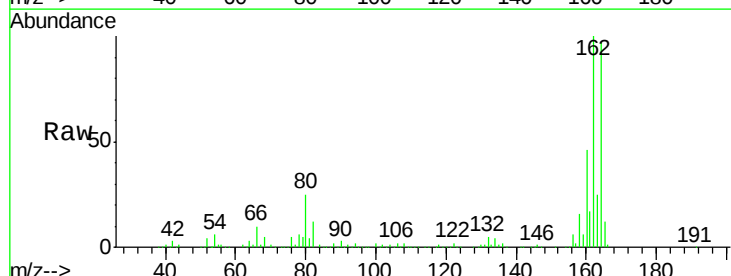
Instrument :
BNA_F
ClientSampleId :
E2-J9-BASE

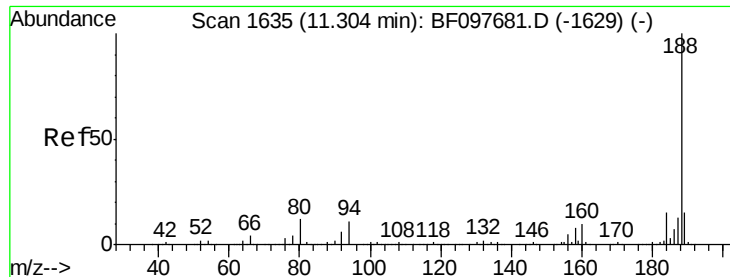
Tot Ion:163 Resp: 177164
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.5 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 7.34 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

Tgt Ion:165 Resp: 31170
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 2.6 46.4 69.6#
182 0.0 1.8 2.6#

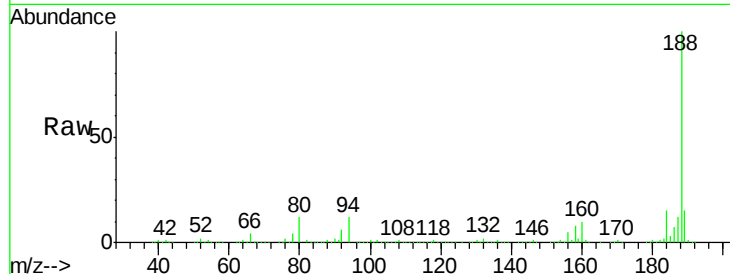




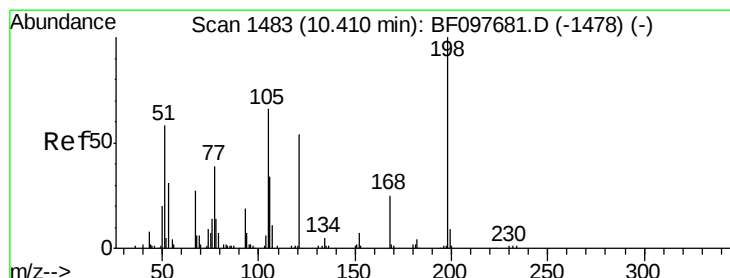
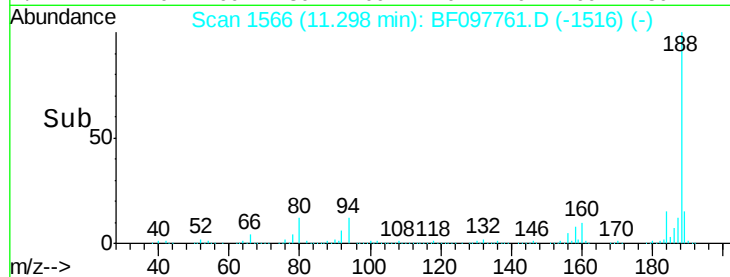
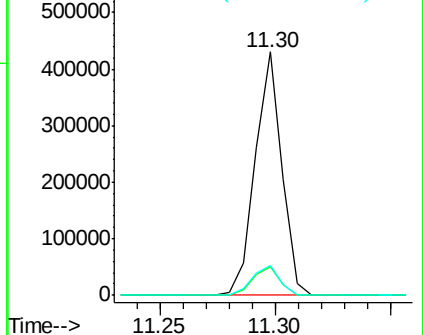
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-BASE

Tot Ion:188	Resp:	346619
Ion Ratio	Lower	Upper
188	100	
94	11.8	9.4 14.2
80	12.1	10.2 15.2

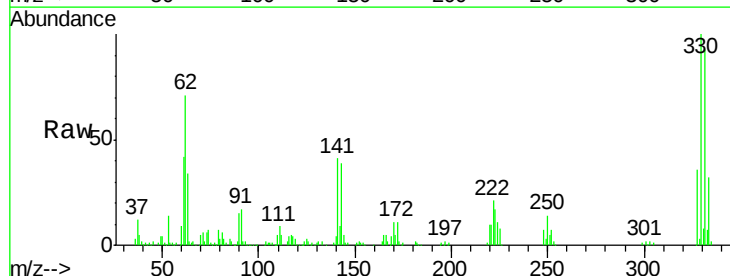


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

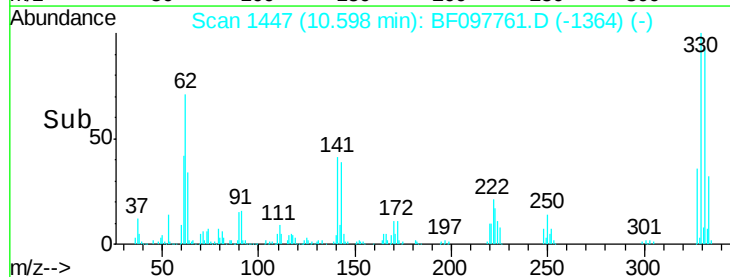
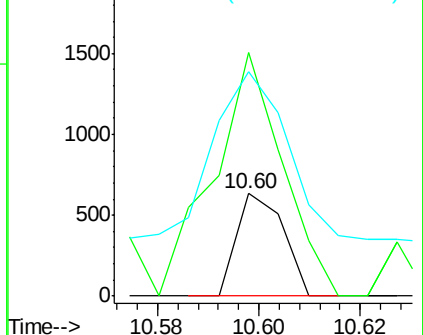


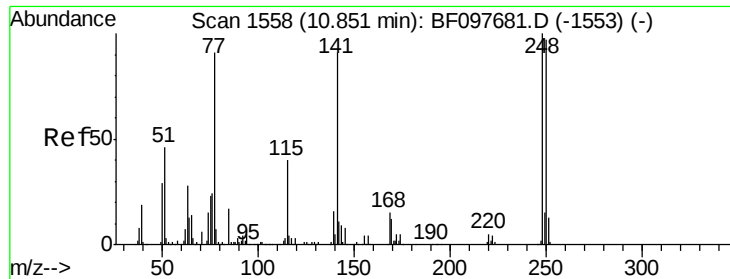
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.52 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Tgt Ion:198	Resp:	403
Ion Ratio	Lower	Upper
198	100	
51	237.9	53.2 93.2#
105	219.6	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

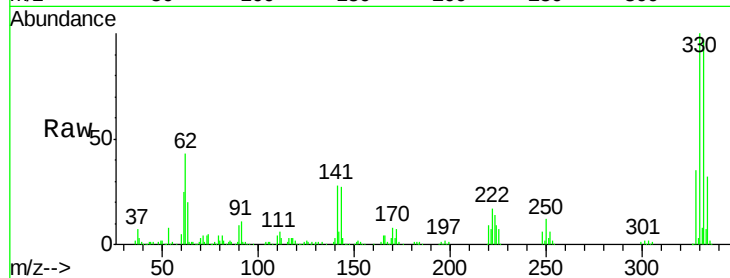




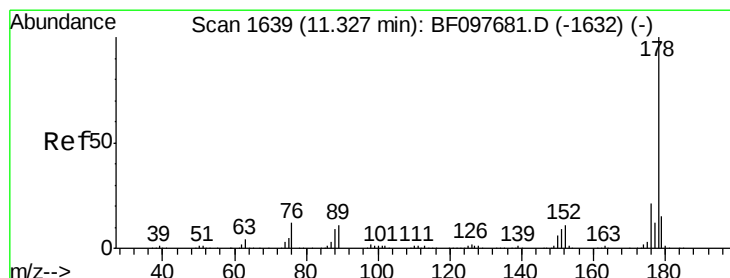
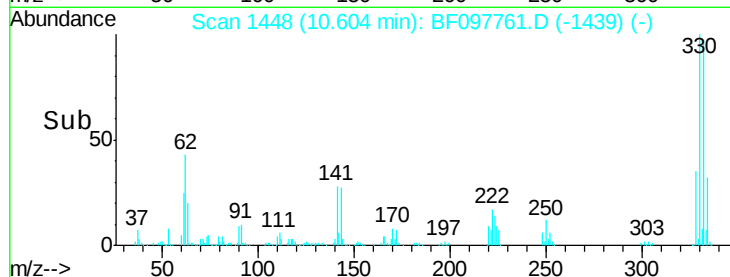
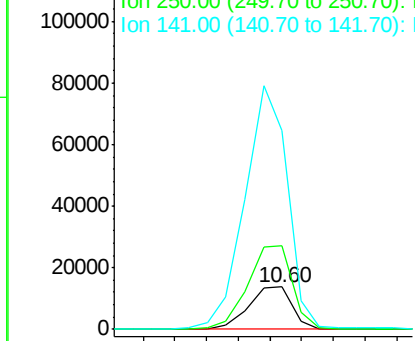
#66
 4-Bromophenyl-phenylether
 Concen: 3.65 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-J9-BASE

Tot Ion:248 Resp: 13126
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.8 115.2#
 141 471.7 68.6 103.0#

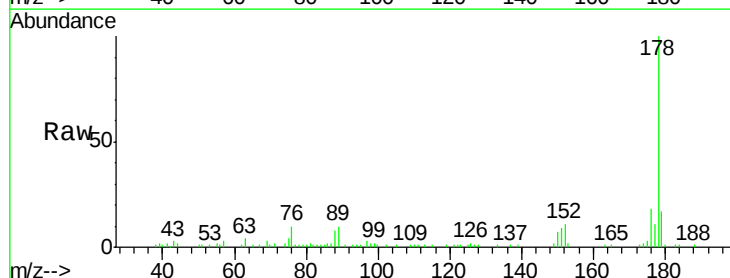


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

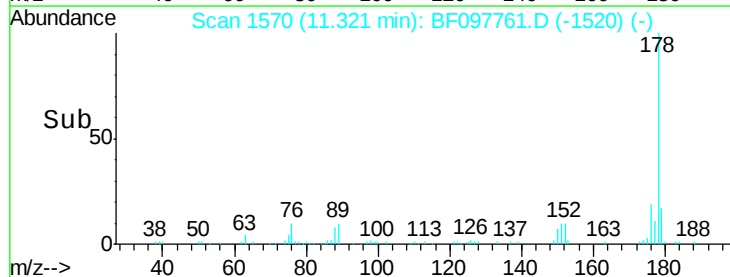
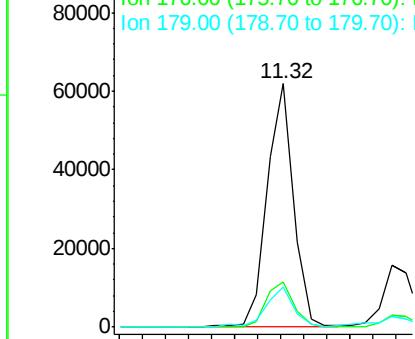


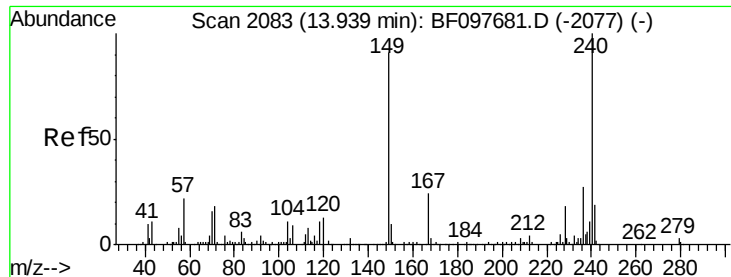
#70
 Phenanthrene
 Concen: 2.67 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF097761.D
 Acq: 17 Aug 2017 2:11

Tgt Ion:178 Resp: 49285
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.2 24.4
 179 16.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

Instrument :

BNA_F

ClientSampleId :

E2-J9-BASE

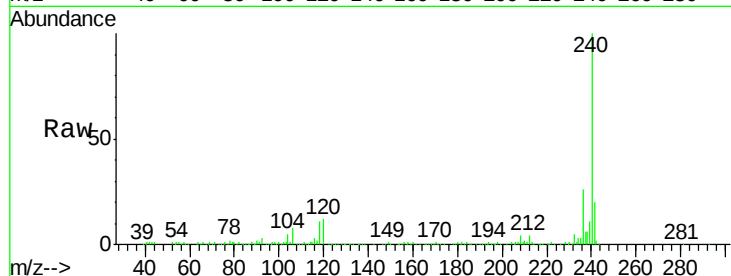
Tot Ion:240 Resp: 261999

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

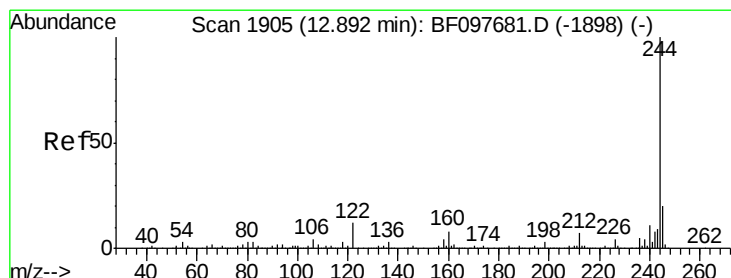
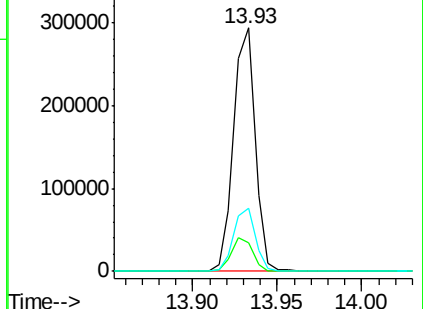
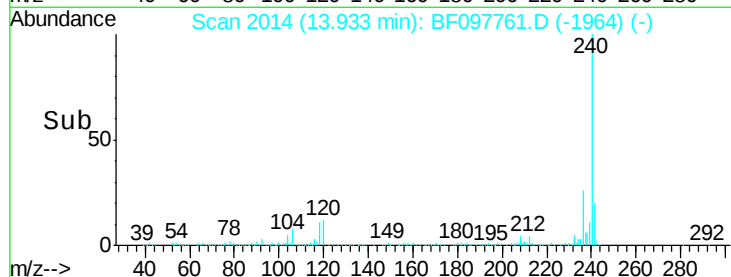
236 26.0 20.5 30.7



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: 42.36 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097761.D

Acq: 17 Aug 2017 2:11

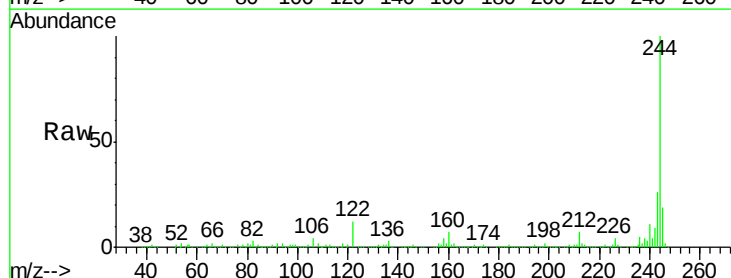
Tgt Ion:244 Resp: 532254

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

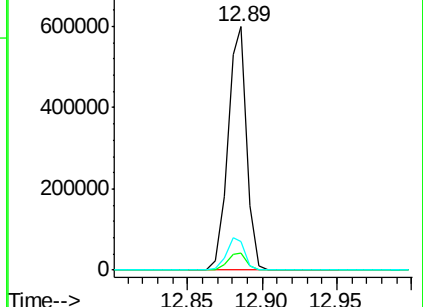
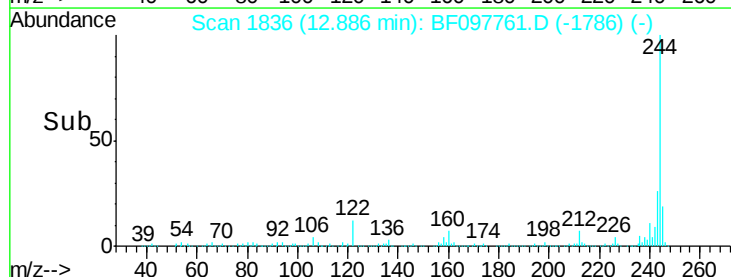
122 11.6 10.3 15.5

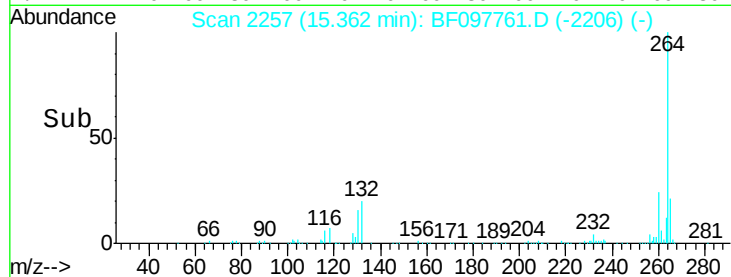
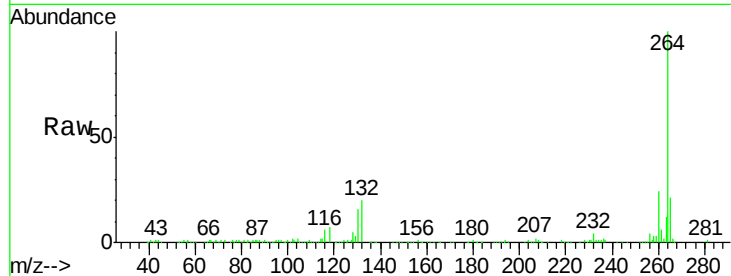
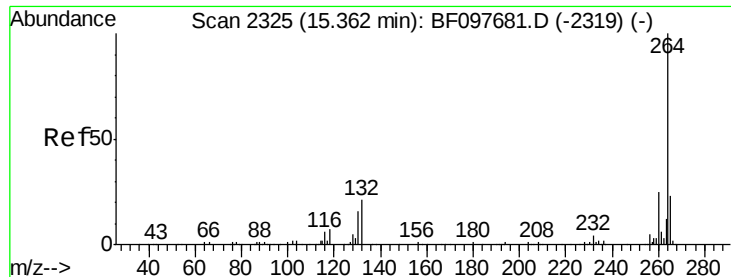


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097761.D
Acq: 17 Aug 2017 2:11

Instrument :
BNA_F
ClientSampleId :
E2-J9-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	20.8	17.2	25.8

