

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097492.D
 Acq On : 9 Aug 2017 2:19
 Operator : SJ/JU
 Sample : I4657-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 03:15:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	111844	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	425037	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	158835	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	260140	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	211162	20.00	ng	0.00
86) Perylene-d12	14.87	264	155046	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.00	112	628051	84.65	ng	0.00
7) Phenol-d6	6.08	99	733113	86.55	ng	0.00
23) Nitrobenzene-d5	6.98	82	400919	55.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	105380	83.97	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	543888	58.11	ng	0.00
78) Terphenyl-d14	12.49	244	388039	37.47	ng	0.00

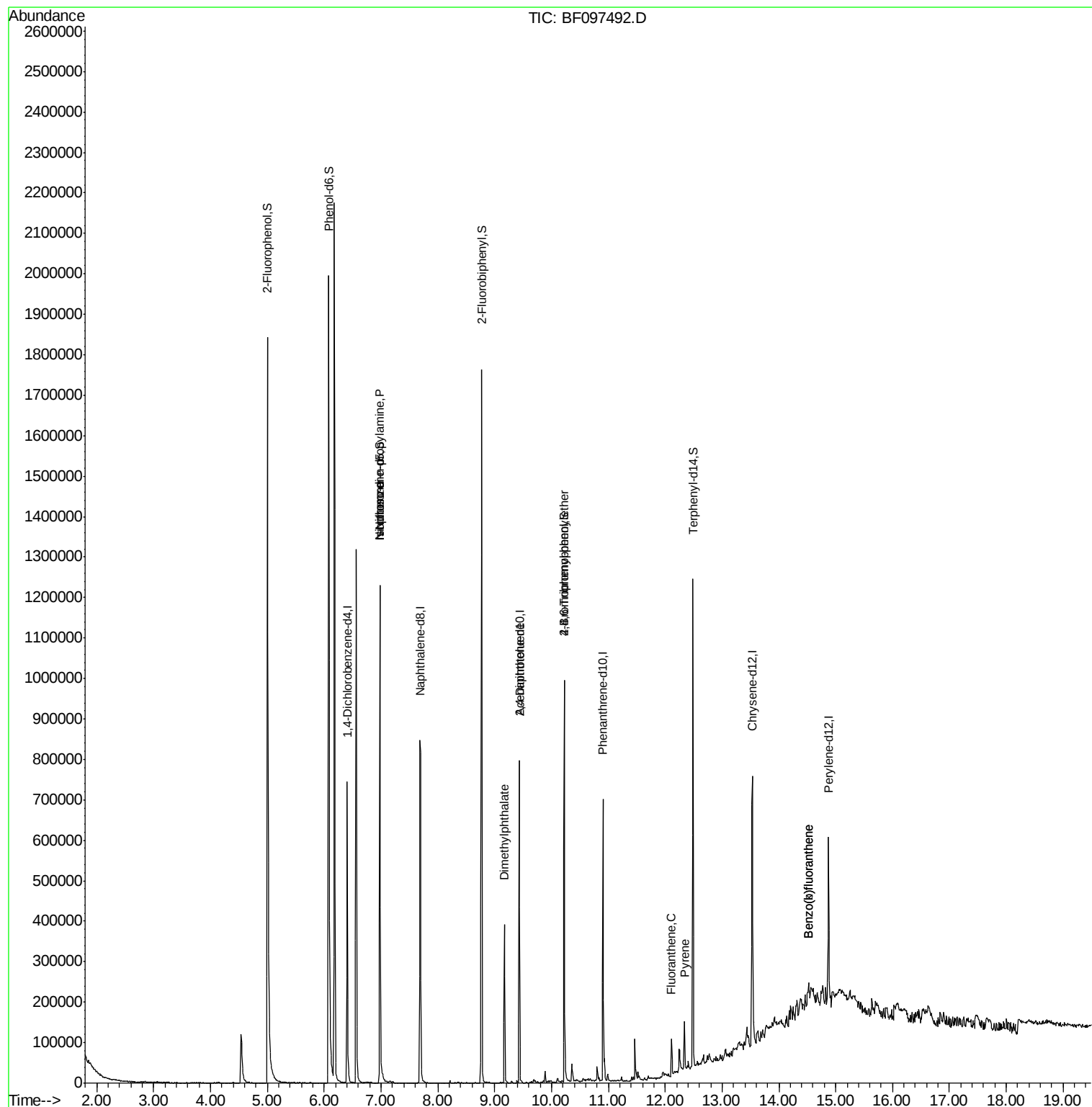
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.98	70	53990	9.68	ng	# 86
25) Isophorone	6.98	82	400914	28.26	ng	# 67
49) Dimethylphthalate	9.17	163	149196	12.37	ng	99
56) 2,4-Dinitrotoluene	9.43	165	20370	6.93	ng	# 34
66) 4-Bromophenyl-phenylether	10.22	248	6766	2.61	ng	# 1
74) Fluoranthene	12.12	202	40832	2.99	ng	96
77) Pyrene	12.34	202	44067	2.55	ng	96
87) Benzo(b)fluoranthene	14.53	252	23967	2.57	ng	# 89
88) Benzo(k)fluoranthene	14.53	252	23967	2.70	ng	# 93

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

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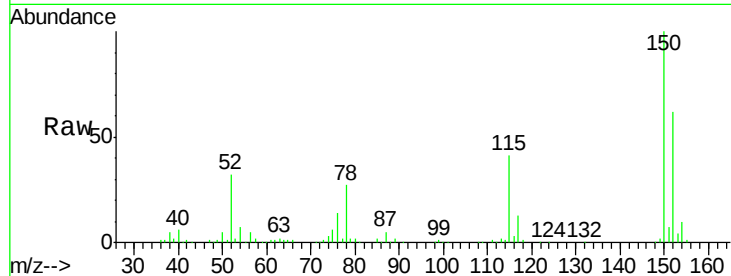


#1

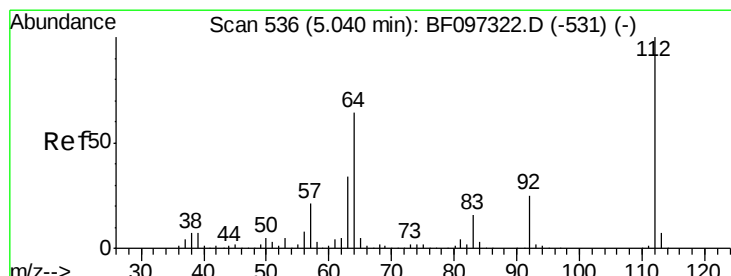
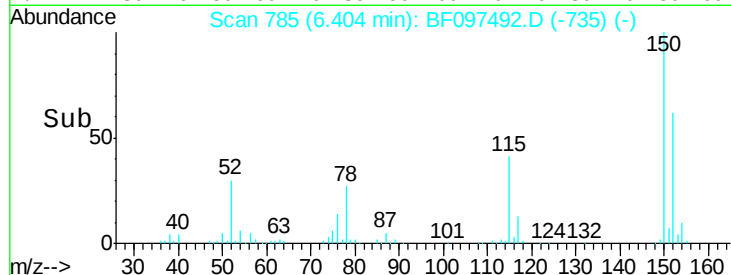
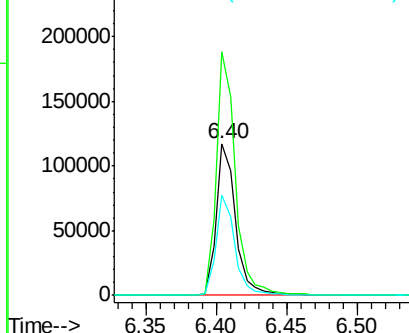
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111844
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.2
115 66.3 52.2 78.2



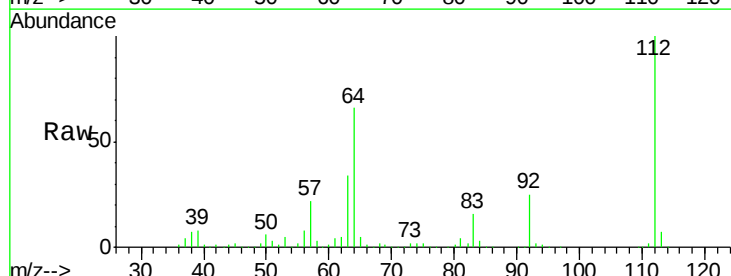
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



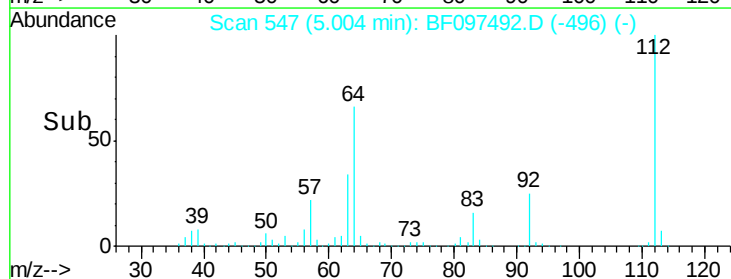
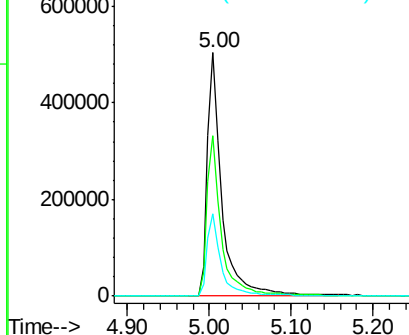
#5

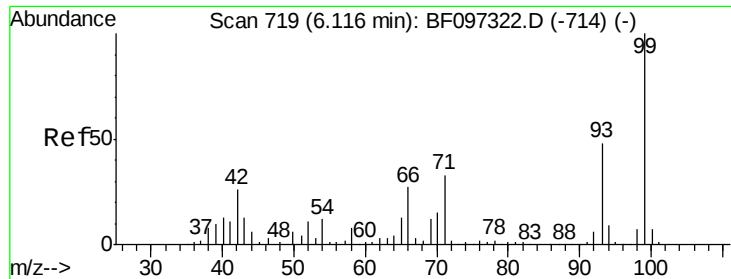
2-Fluorophenol
Concen: 84.65 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Tgt Ion:112 Resp: 628051
Ion Ratio Lower Upper
112 100
64 66.0 46.0 69.0
63 33.9 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: 86.55 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097492.D

Acq: 9 Aug 2017 2:19

Instrument :

BNA_F

ClientSampleId :

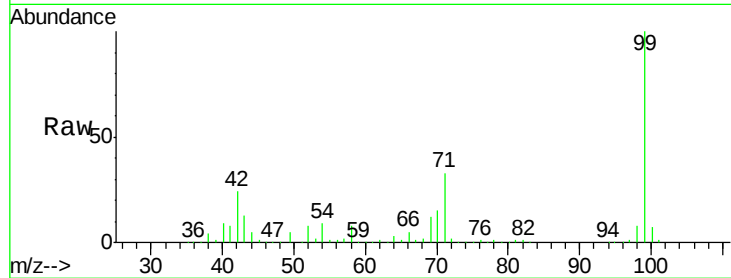
Tot Ion: 99 Resp: 733113

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

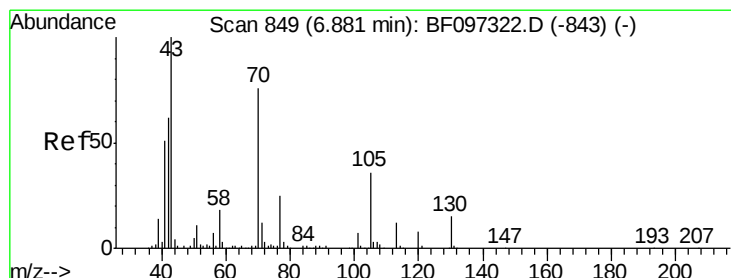
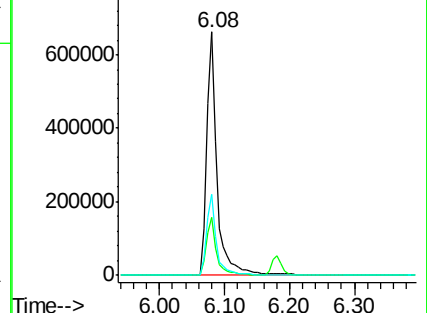
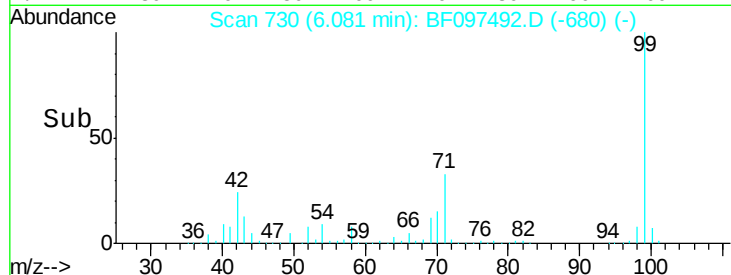
71 33.5 24.5 36.7



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: 9.68 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097492.D

Acq: 9 Aug 2017 2:19

Tgt Ion: 70 Resp: 53990

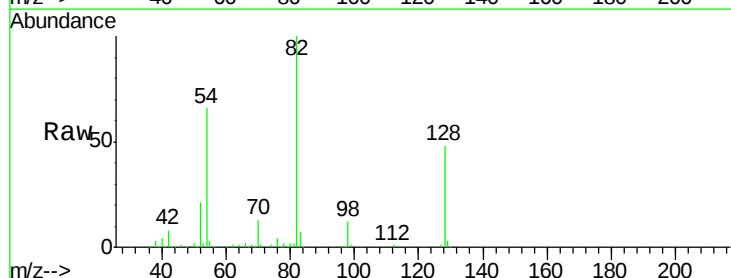
Ion Ratio Lower Upper

70 100

42 62.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

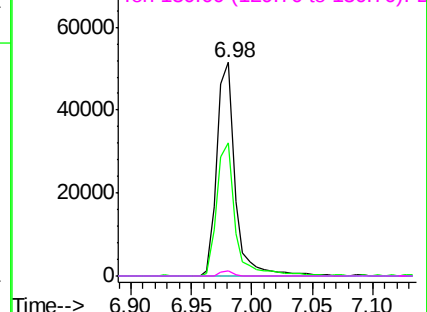
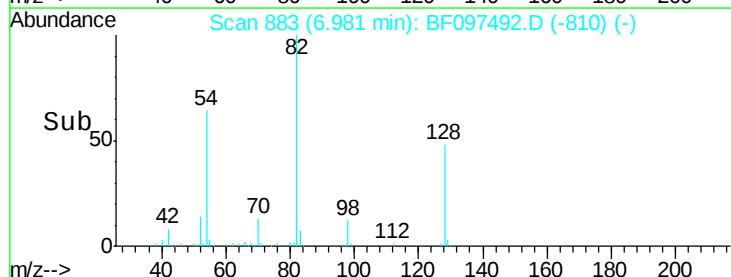


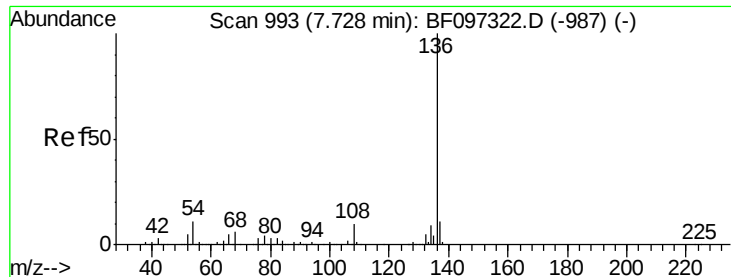
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

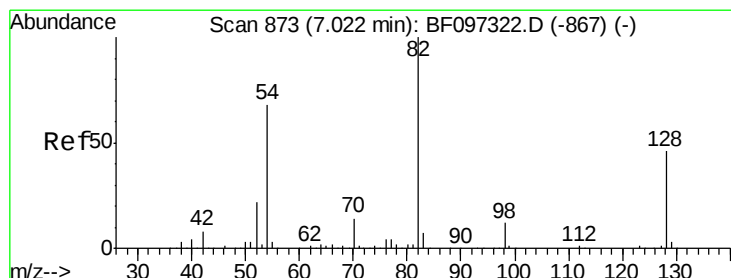
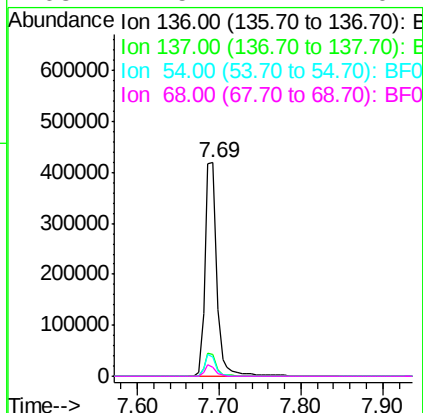
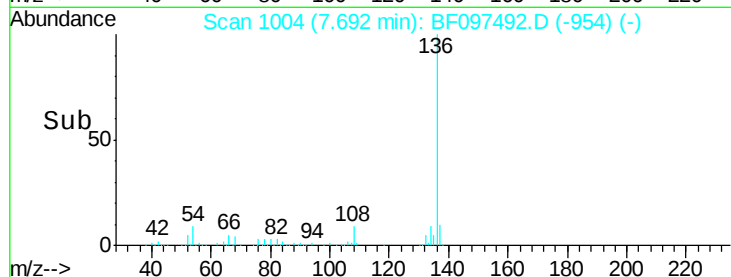
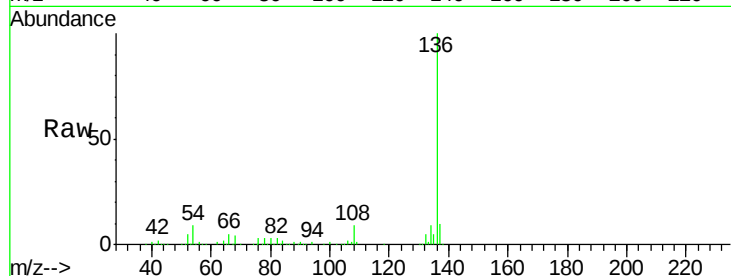




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

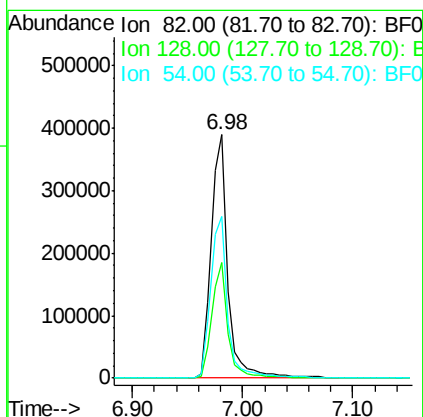
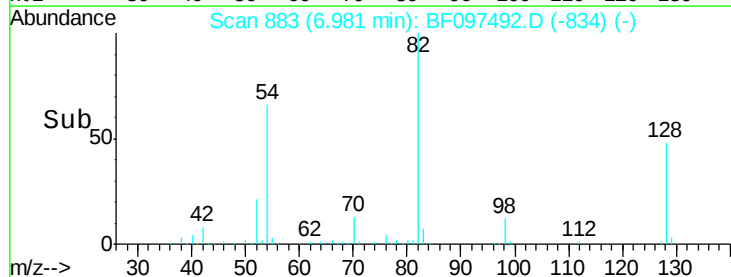
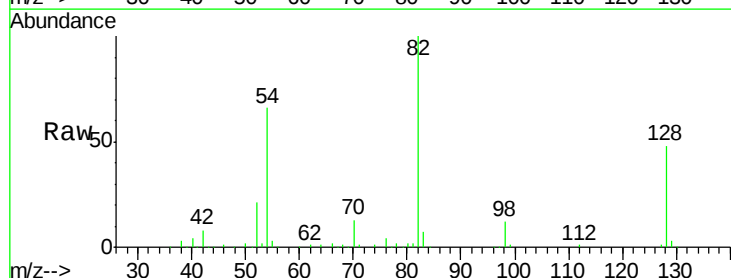
Instrument :
BNA_F
ClientSampleId :

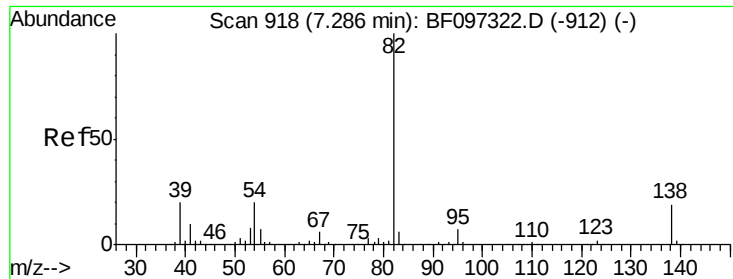
Tot Ion:136	Resp:	425037
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.5 12.7
54	9.1	4.9 7.3#
68	4.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 55.34 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Tgt Ion: 82	Resp:	400919
Ion Ratio	Lower	Upper
82	100	
128	47.6	34.0 51.0
54	66.2	42.2 63.2#





#25

Isophorone

Concen: 28.26 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097492.D

Acq: 9 Aug 2017 2:19

Instrument :

BNA_F

ClientSampleId :

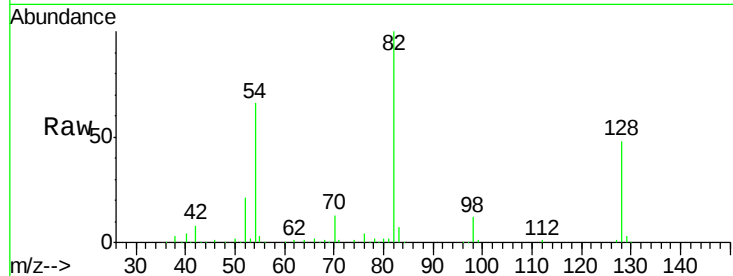
Tot Ion: 82 Resp: 400914

Ion Ratio Lower Upper

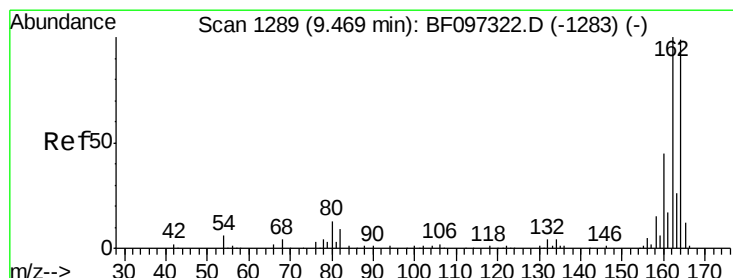
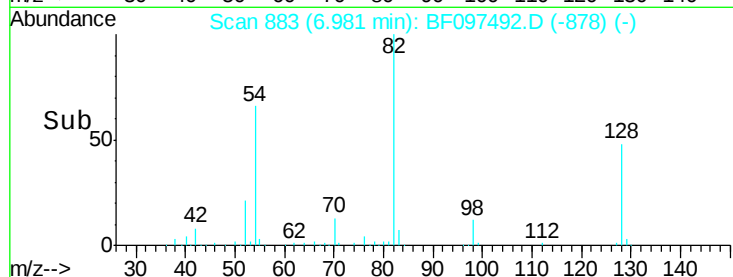
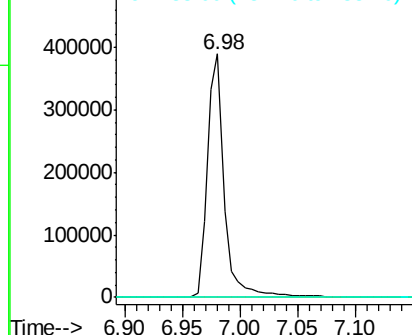
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097492.D

Acq: 9 Aug 2017 2:19

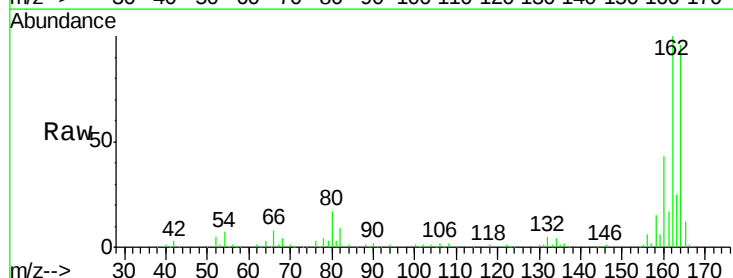
Tgt Ion:164 Resp: 158835

Ion Ratio Lower Upper

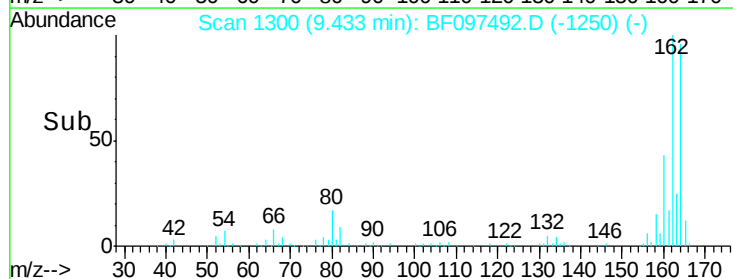
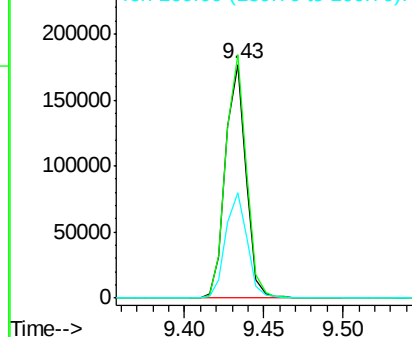
164 100

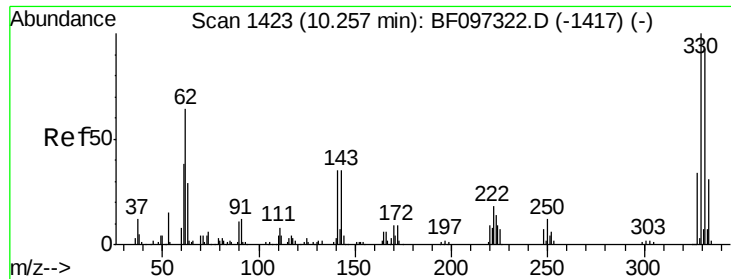
162 104.1 82.6 123.8

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

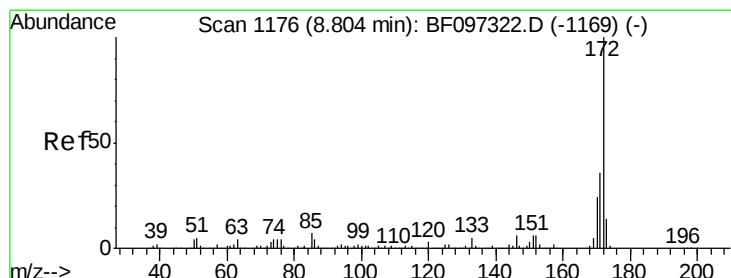
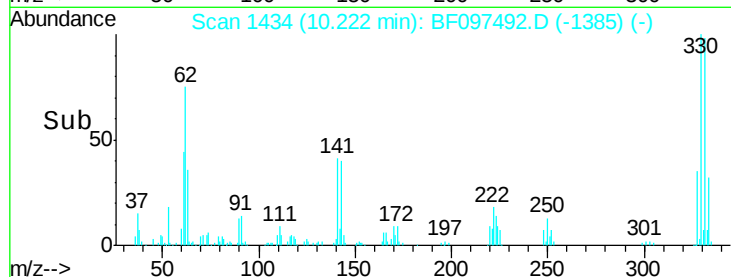
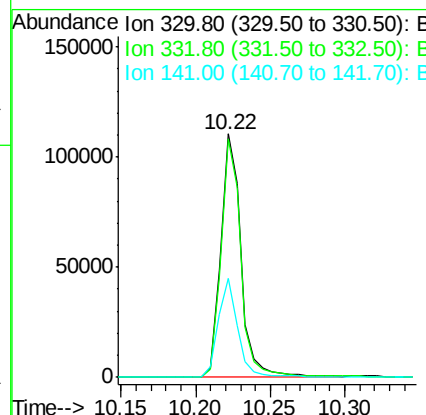
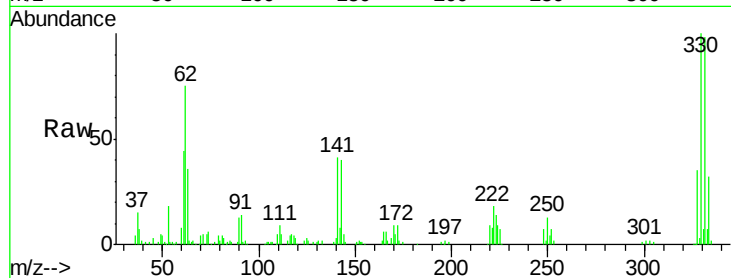




#41
 2,4,6-Tribromophenol
 Concen: 83.97 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

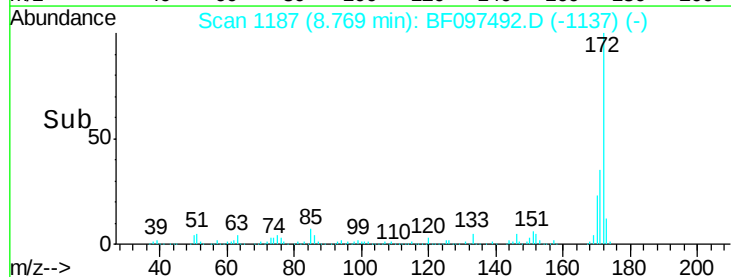
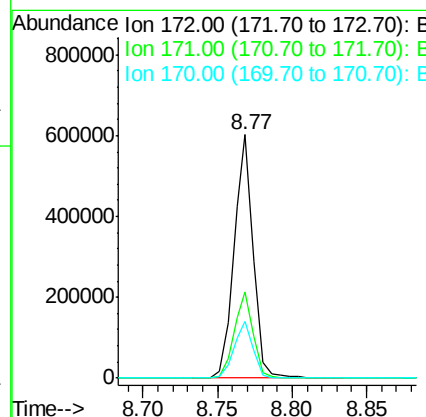
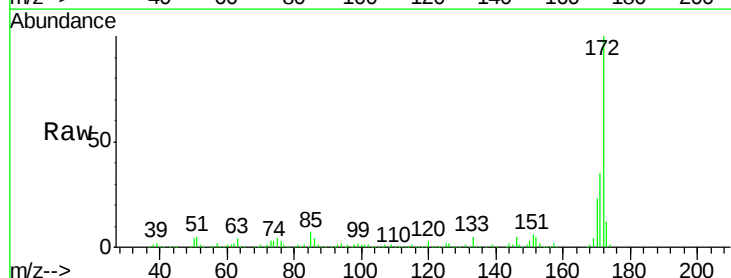
Instrument :
 BNA_F
 ClientSampled :

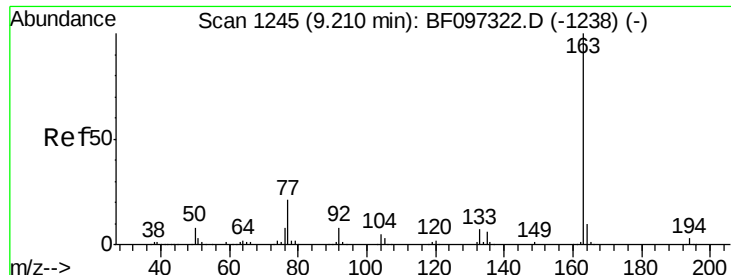
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	39.4	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 58.11 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.4	19.8	29.8

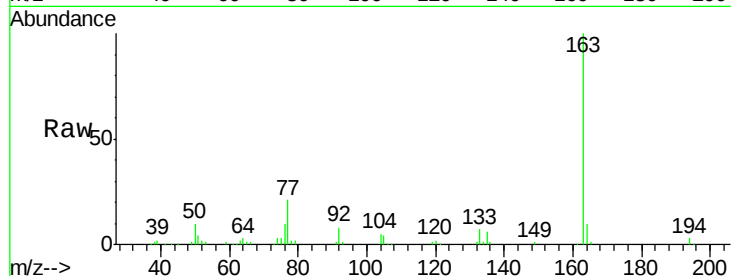




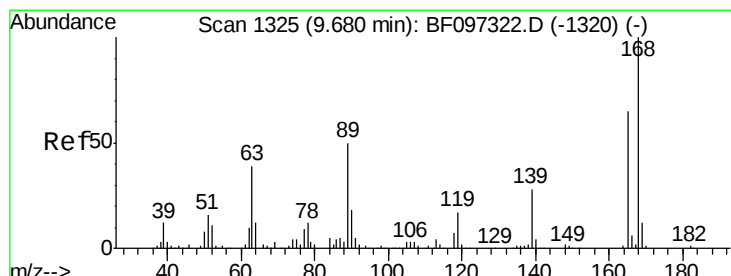
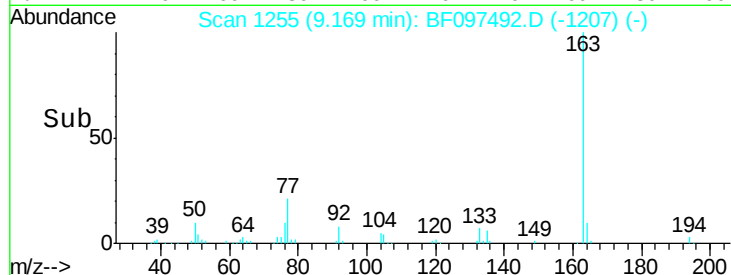
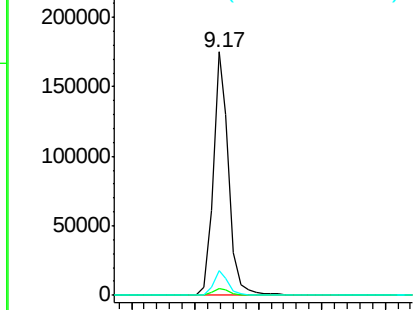
#49
Dimethylphthalate
Concen: 12.37 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.2	8.4	12.6

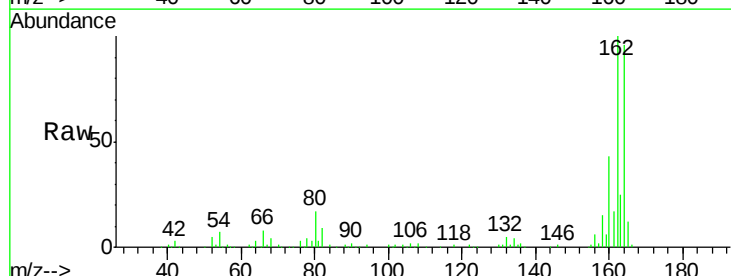


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

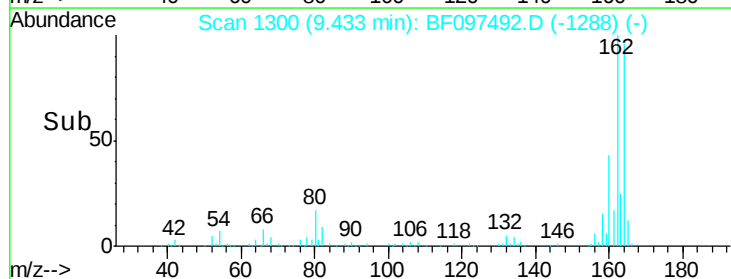
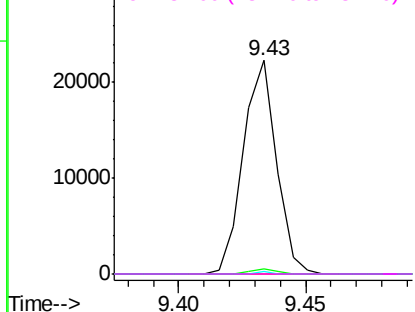


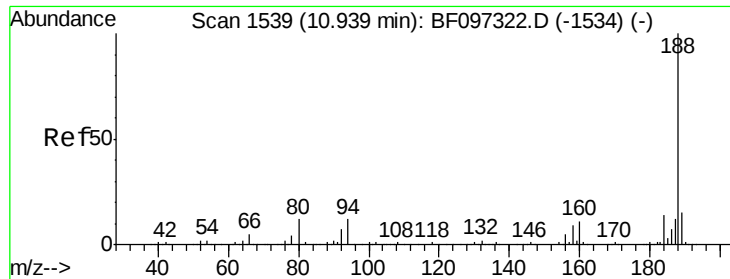
#56
2,4-Dinitrotoluene
Concen: 6.93 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.23 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	25.4	38.0#
89	1.4	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

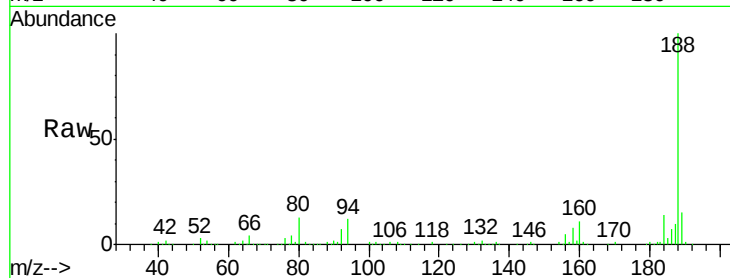




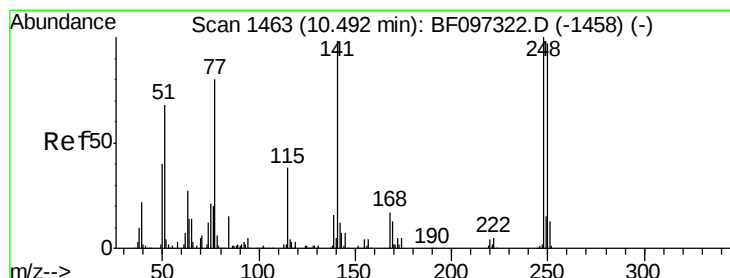
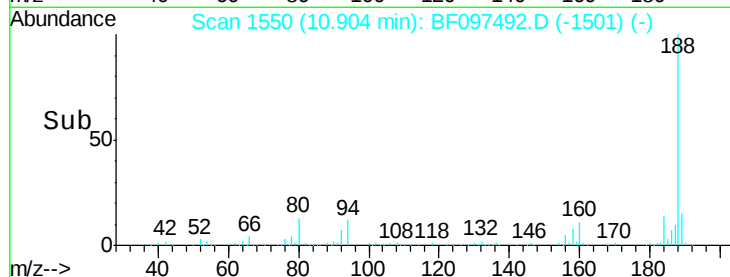
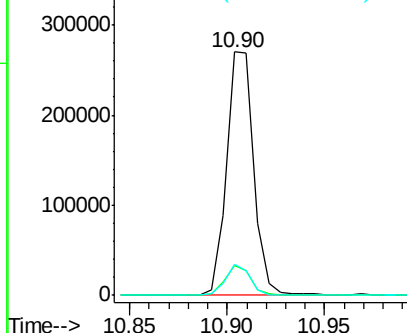
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 260140
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.7 10.2 15.2

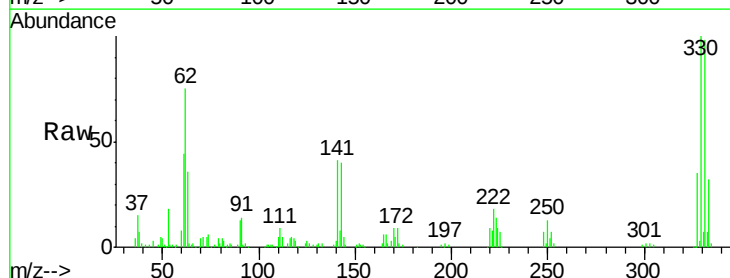


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

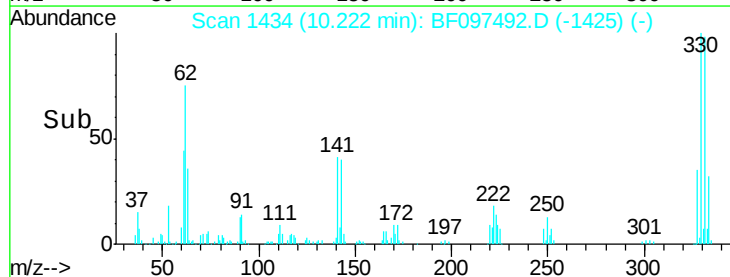
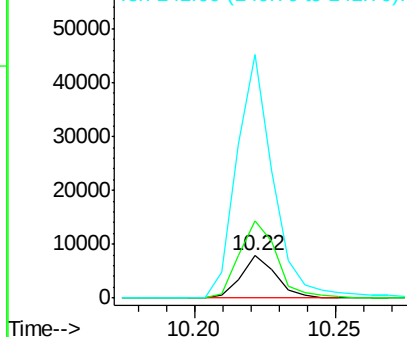


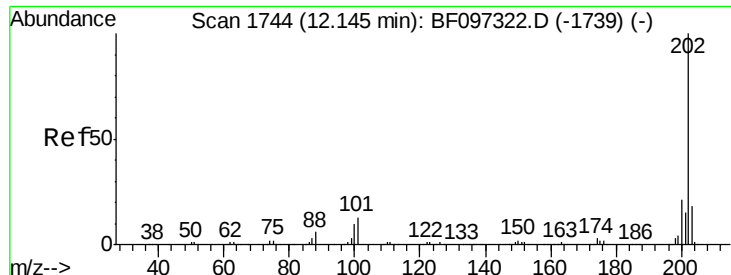
#66
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Tgt Ion:248 Resp: 6766
Ion Ratio Lower Upper
248 100
250 182.0 76.8 115.2#
141 574.1 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

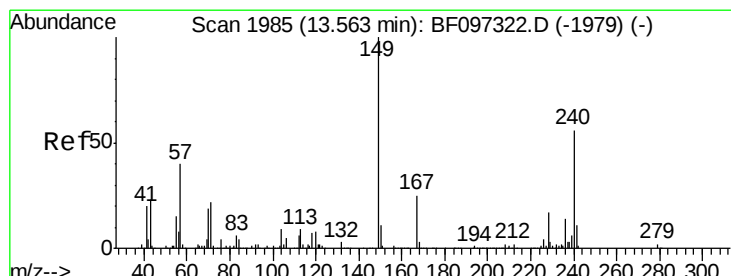
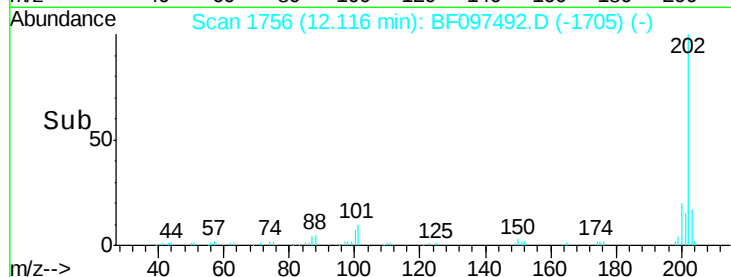
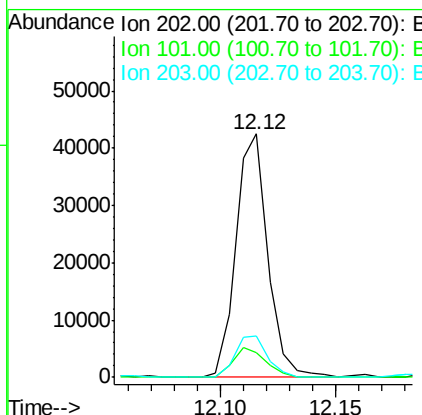
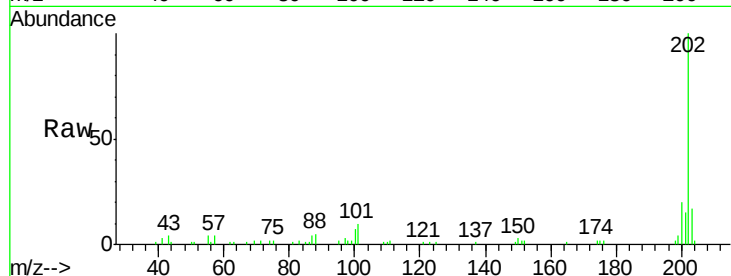




#74
 Fluoranthene
 Concen: 2.99 ng
 RT: 12.12 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

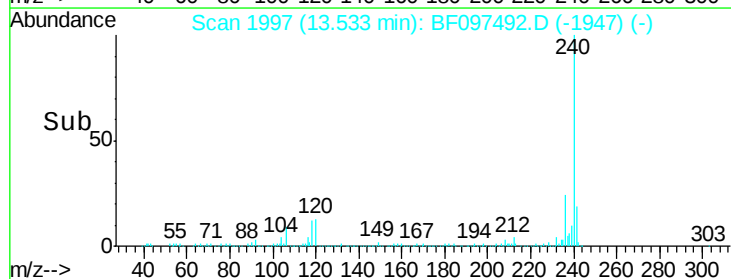
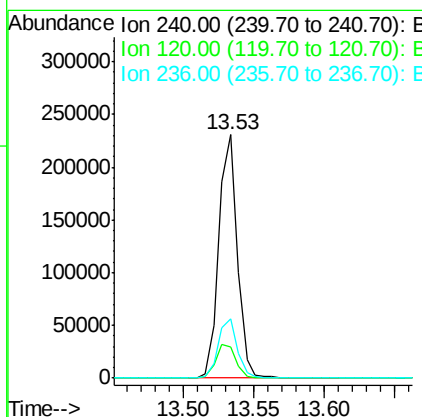
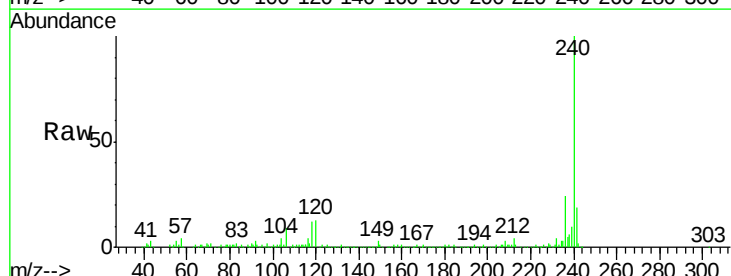
Instrument :
 BNA_F
 ClientSampled :

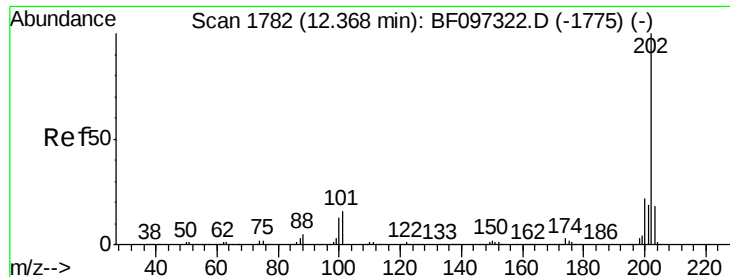
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.2
203	17.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.53 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.8	8.8#
236	24.5	20.5	30.7

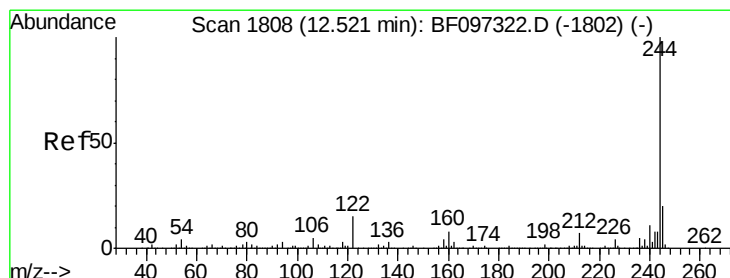
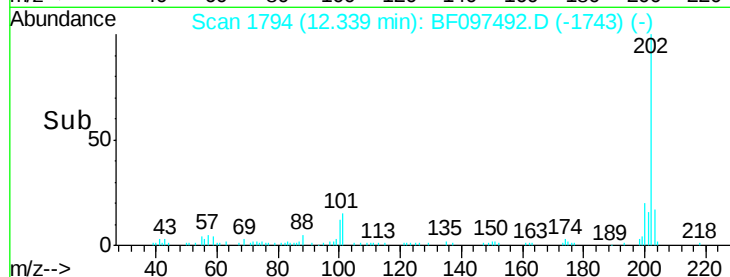
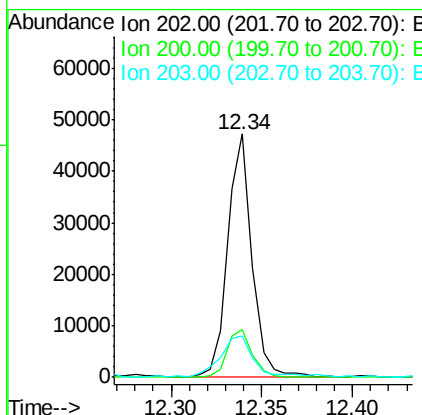
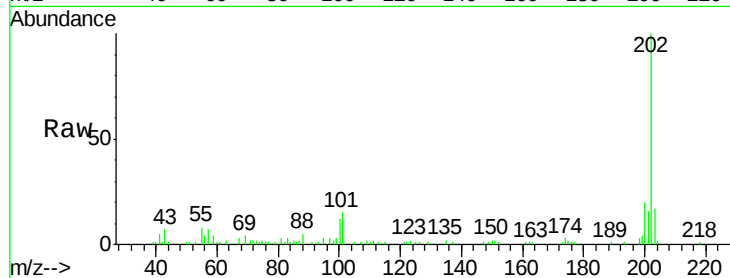




#77
 Pvrene
 Concen: 2.55 ng
 RT: 12.34 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

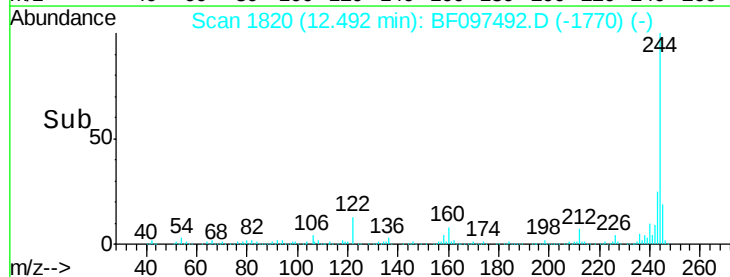
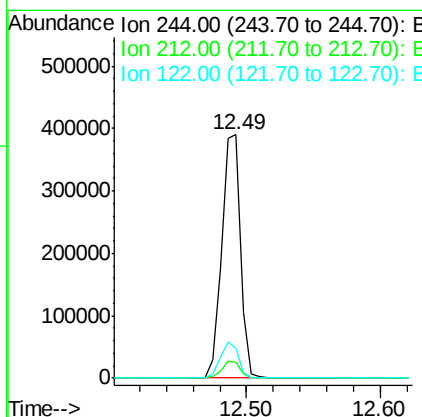
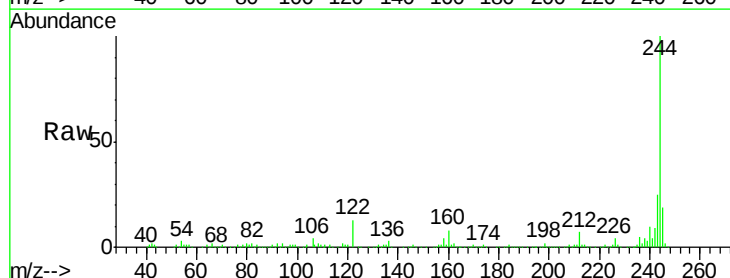
Instrument :
 BNA_F
 ClientSampleId :

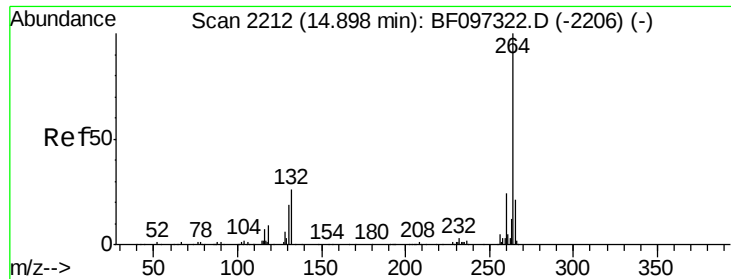
Tot Ion:202 Resp: 44067
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.6 26.4
 203 17.0 14.4 21.6



#78
 Terphenyl-d14
 Concen: 37.47 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097492.D
 Acq: 9 Aug 2017 2:19

Tgt Ion:244 Resp: 388039
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 12.5 10.3 15.5

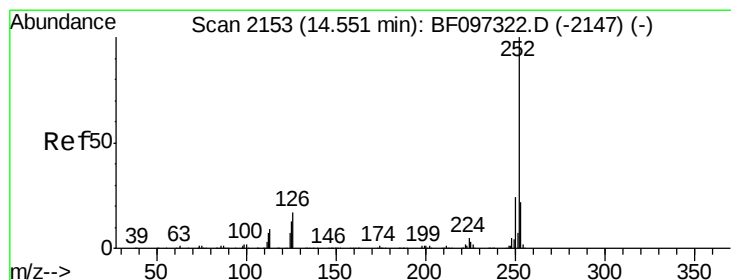
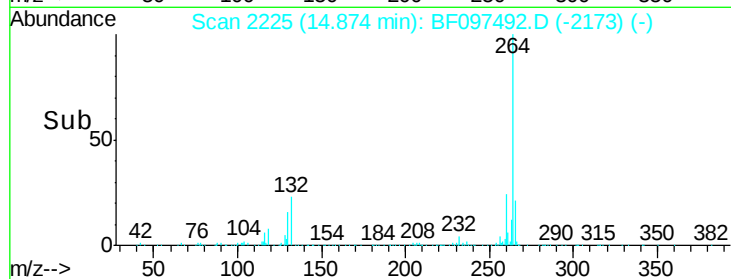
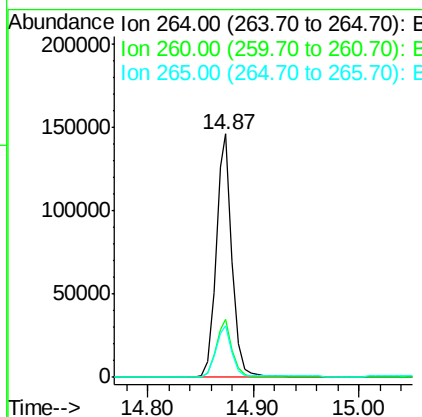
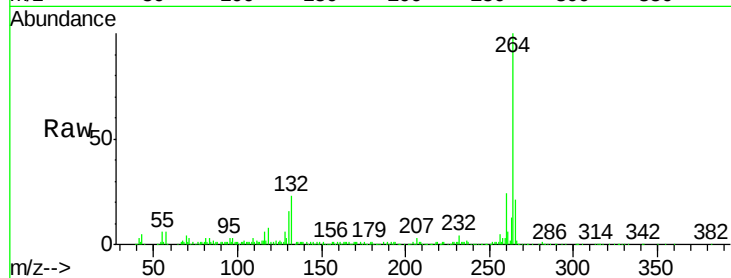




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

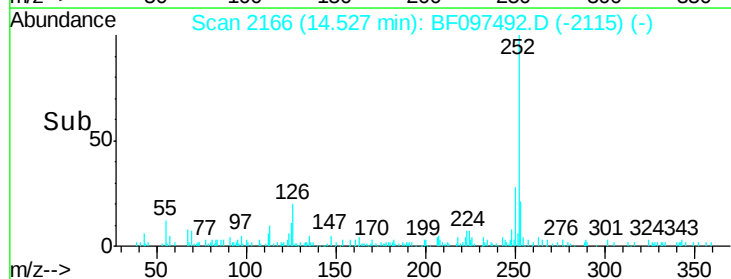
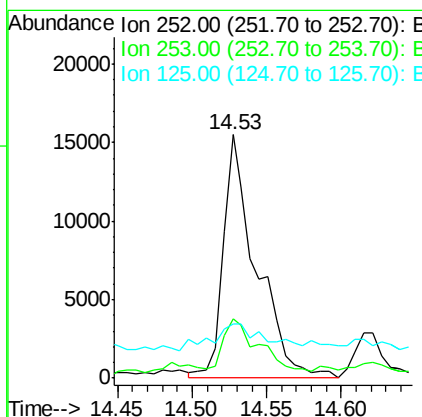
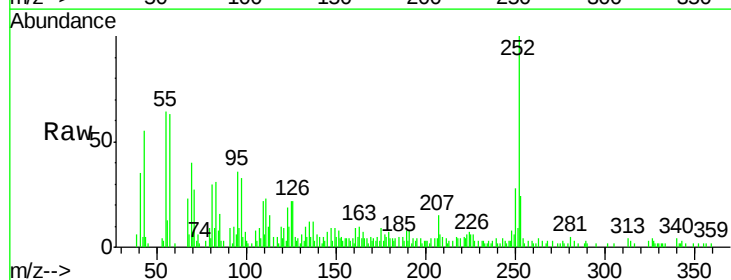
Instrument :
BNA_F
ClientSampleId :

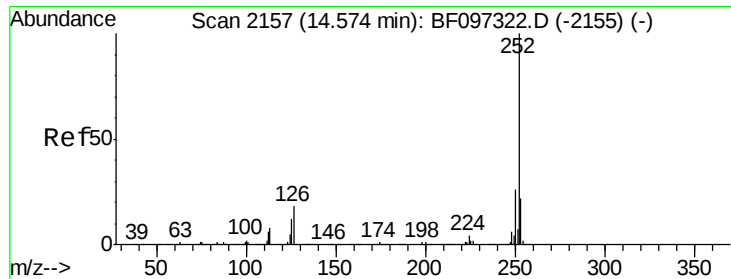
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.57 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097492.D
Acq: 9 Aug 2017 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	22.4	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.70 ng

RT: 14.53 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF097492.D

Acq: 9 Aug 2017 2:19

Instrument :

BNA_F

ClientSampleId :

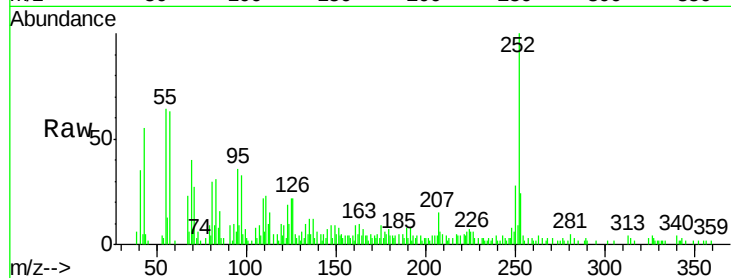
Tot Ion: 252 Resp: 23967

Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

125 22.4 13.1 19.7#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

