

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
 Data File : BF092956.D
 Acq On : 15 Feb 2017 17:41
 Operator : SJ/MA
 Sample : I1826-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:31:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	146513	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	611173	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	327487	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	582560	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	487332	20.00	ng	-0.03
86) Perylene-d12	15.46	264	433124	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1069954	125.29	ng	0.00
7) Phenol-d6	6.51	99	1149377	104.60	ng	-0.02
23) Nitrobenzene-d5	7.44	82	854129	77.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	338392	142.87	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1536556	85.00	ng	-0.01
78) Terphenyl-d14	12.98	244	1581917	76.27	ng	-0.01

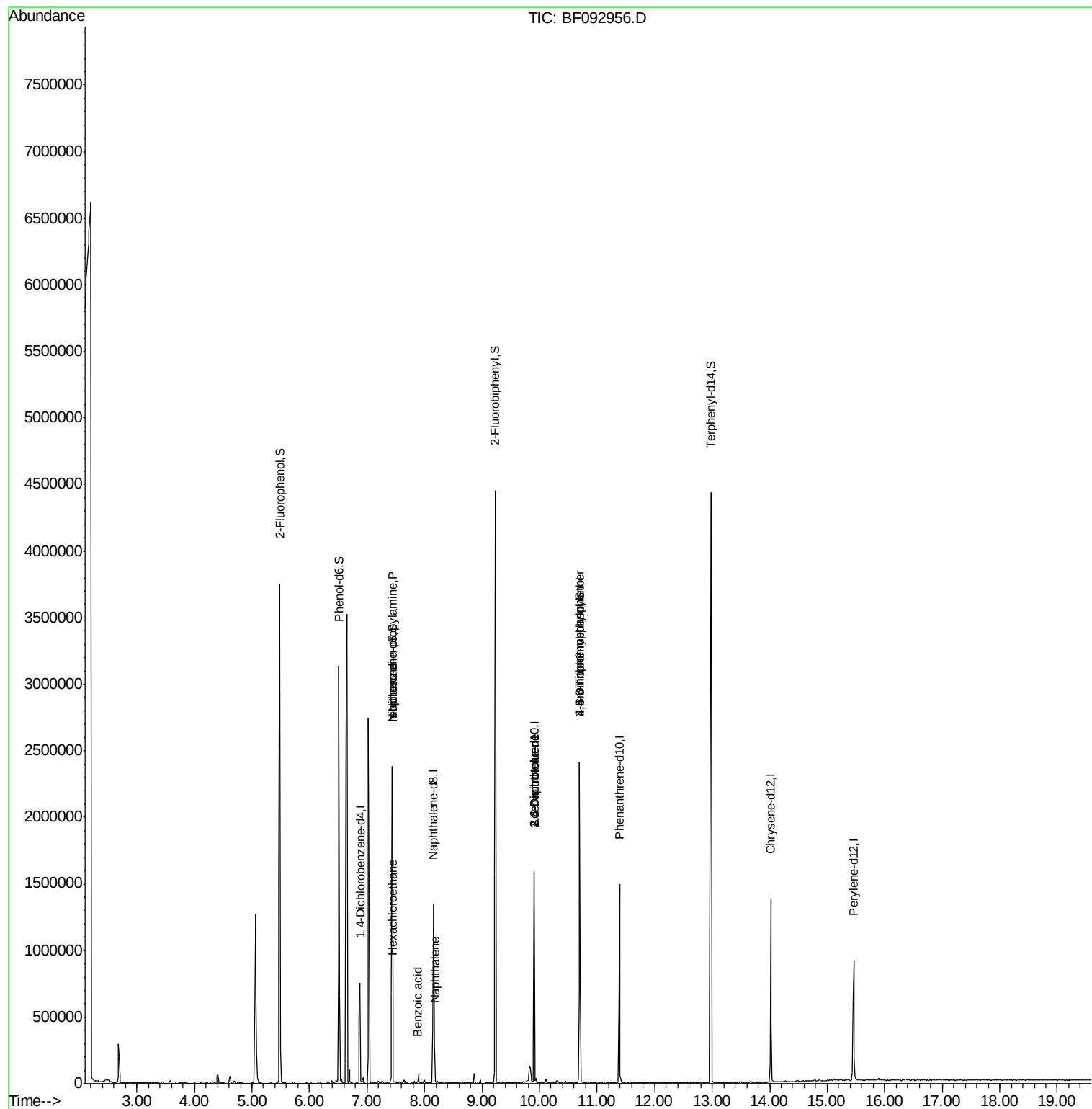
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.45	117	8381	2.20	ng	# 18
19) n-Nitroso-di-n-propylamine	7.44	70	112073	16.02	ng	# 83
25) Isophorone	7.44	82	694062	33.94	ng	# 65
31) Naphthalene	8.18	128	129231	4.17	ng	# 99
32) Benzoic acid	7.88	122	612	7.26	ng	# 50
50) 2,6-Dinitrotoluene	9.90	165	43108	9.05	ng	# 31
56) 2,4-Dinitrotoluene	9.90	165	43110	6.80	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.69	198	470	2.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	22814	3.75	ng	# 1

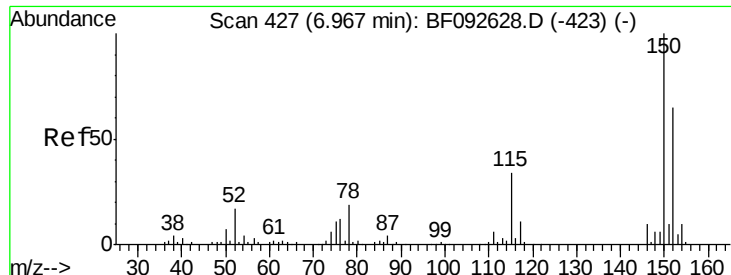
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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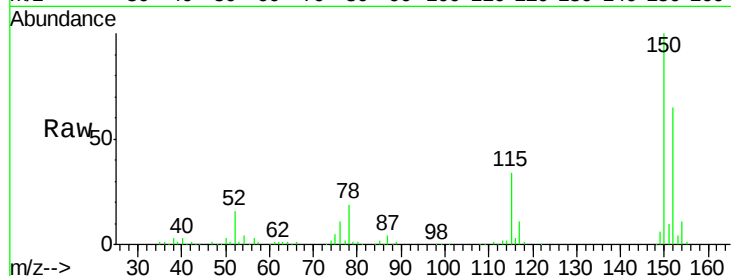


#1

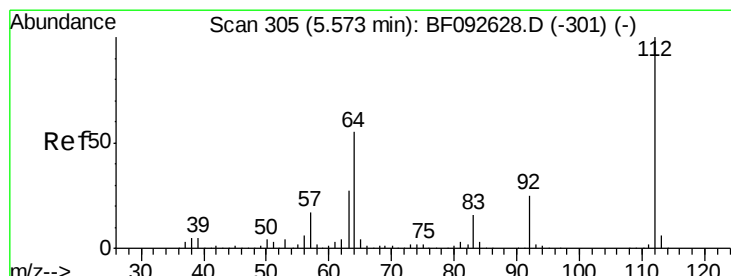
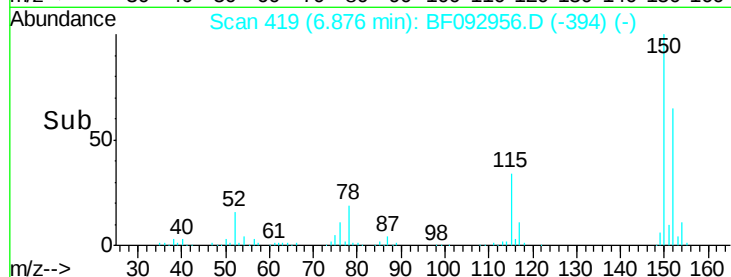
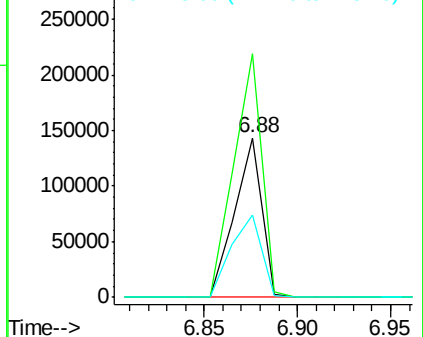
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092956.D
Acq: 15 Feb 2017 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146513
Ion Ratio Lower Upper
152 100
150 152.8 124.9 187.3
115 52.0 46.0 69.0



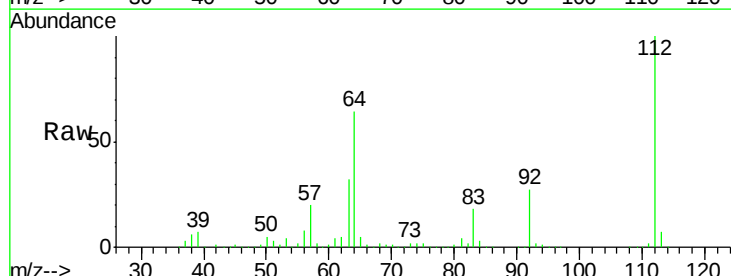
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



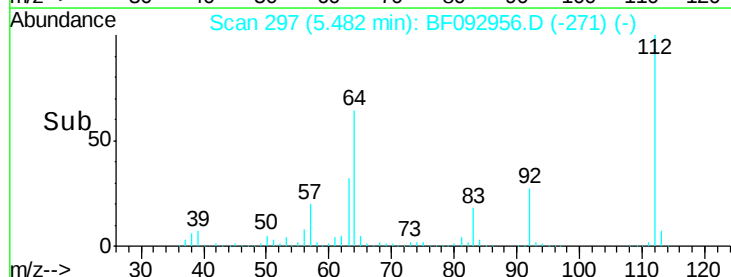
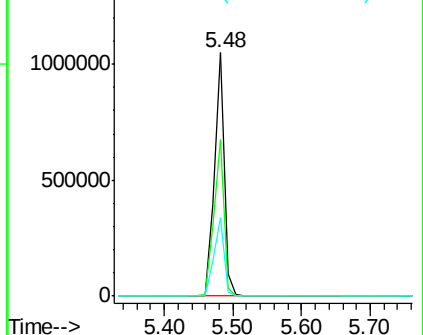
#5

2-Fluorophenol
Concen: 125.29 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF092956.D
Acq: 15 Feb 2017 17:41

Tgt Ion:112 Resp: 1069954
Ion Ratio Lower Upper
112 100
64 64.2 46.1 69.1
63 32.3 23.8 35.6



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: 104.60 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

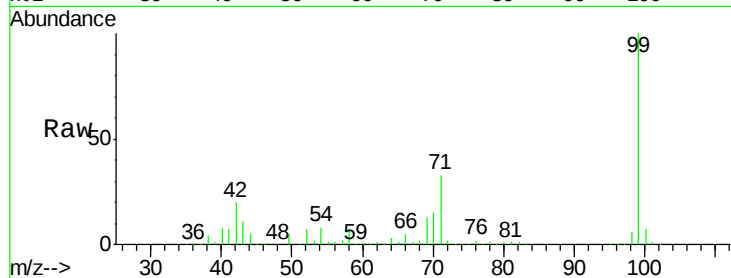
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1149377

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.6	23.4
71	33.1	27.5	41.3

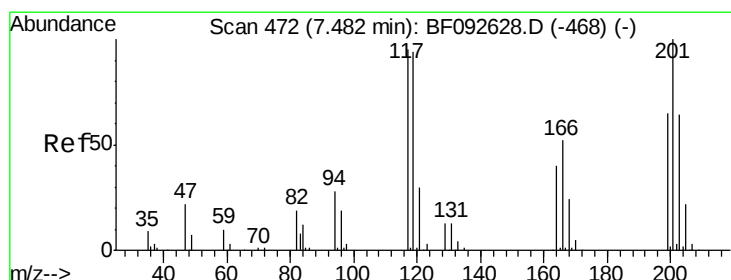
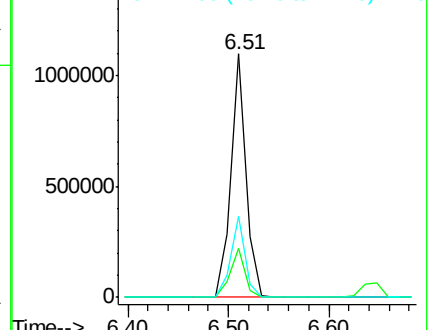
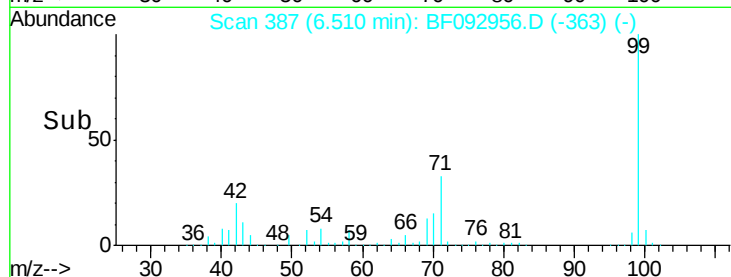


Abundance

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



#18

Hexachloroethane

Concen: 2.20 ng

RT: 7.45 min Scan# 469

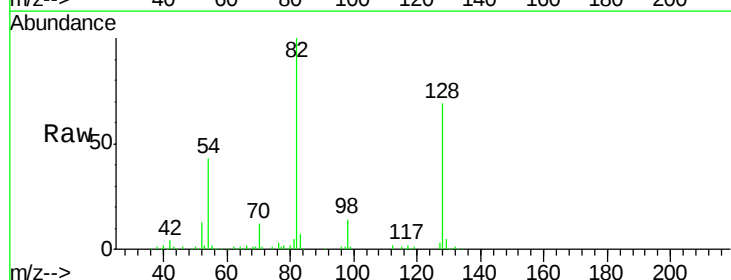
Delta R.T. 0.05 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

Tgt Ion: 117 Resp: 8381

Ion	Ratio	Lower	Upper
117	100		
119	34.6	78.1	117.1#
201	0.0	78.6	117.8#

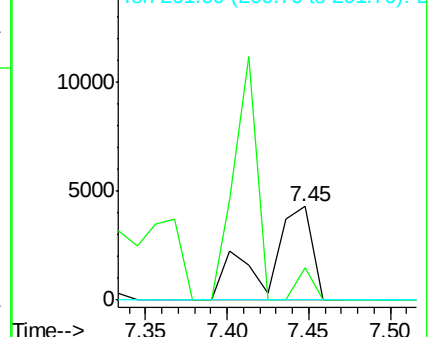
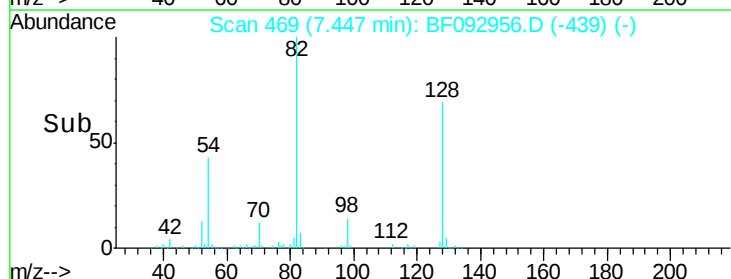


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

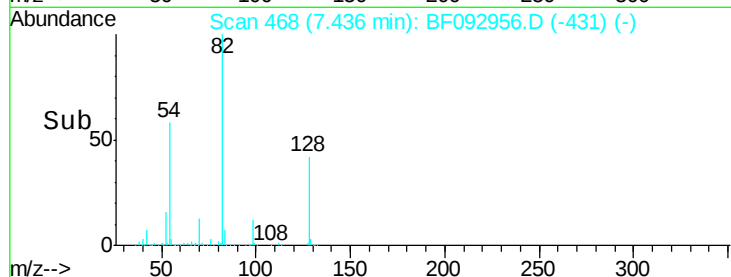
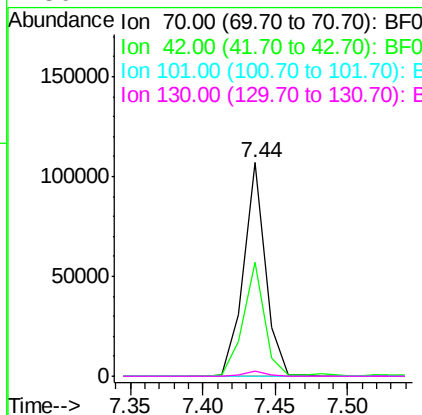
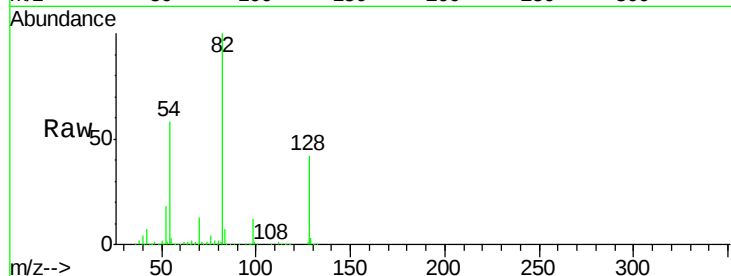




#19
n-Nitroso-di-n-propylamine
Concen: 16.02 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.13 min
Lab File: BF092956.D
Acq: 15 Feb 2017 17:41

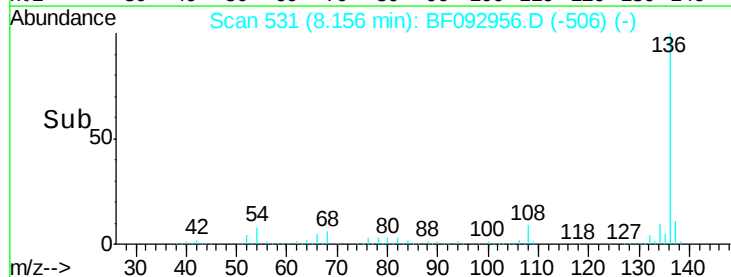
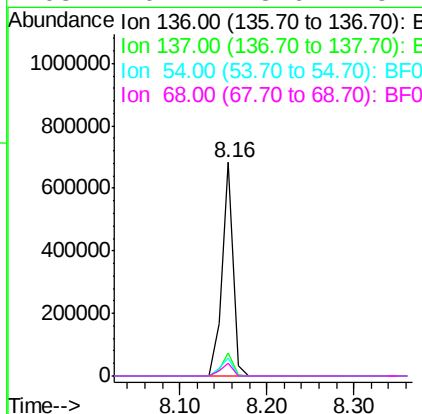
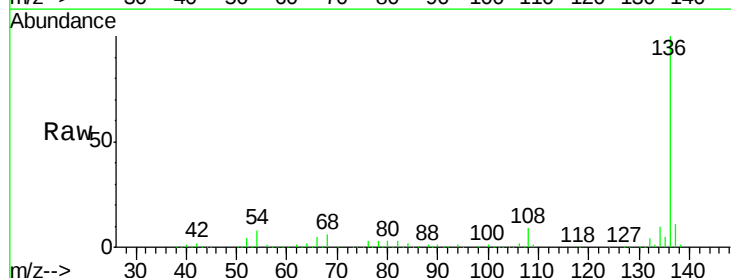
Instrument :
BNA_F
ClientSampleId :

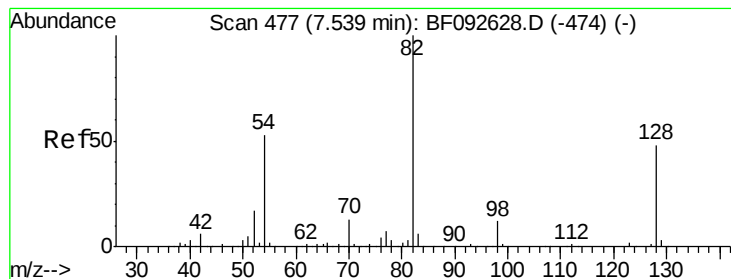
Tot Ion: 70 Resp: 112073
Ion Ratio Lower Upper
70 100
42 53.4 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092956.D
Acq: 15 Feb 2017 17:41

Tgt Ion:136 Resp: 611173
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.4 4.5 6.7#
68 6.2 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 77.82 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

Instrument :

BNA_F

ClientSampled :

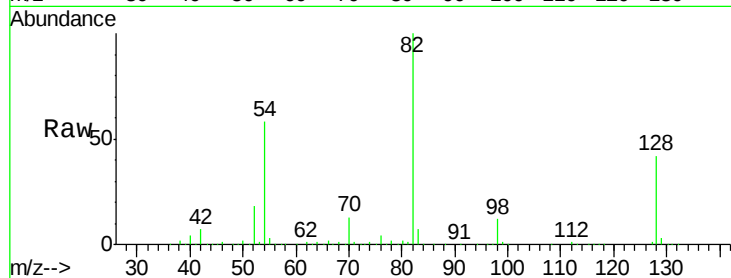
Tot Ion: 82 Resp: 854129

Ion Ratio Lower Upper

82 100

128 42.2 34.6 52.0

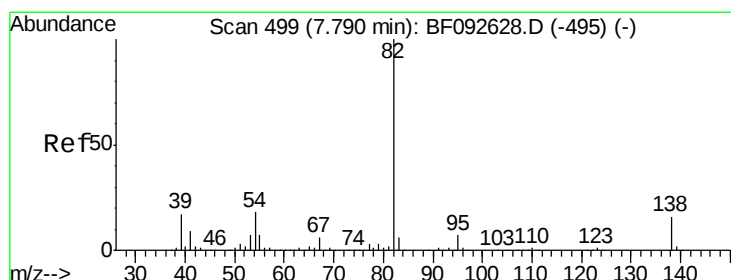
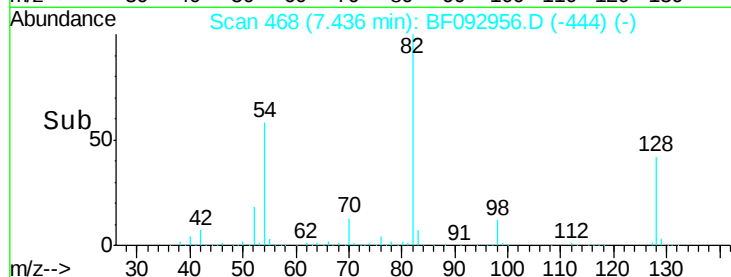
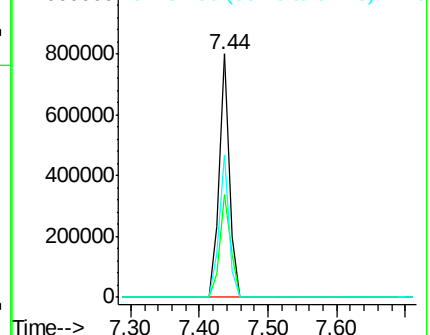
54 58.3 39.5 59.3



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: 33.94 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

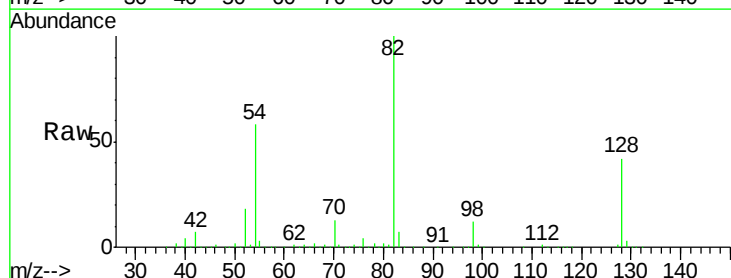
Tgt Ion: 82 Resp: 694062

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

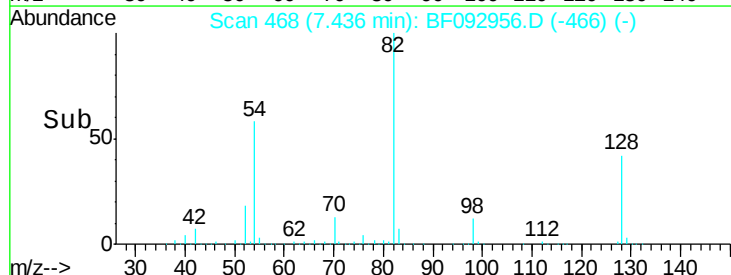
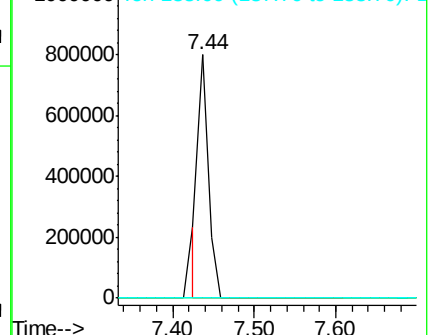
138 0.0 14.6 22.0#

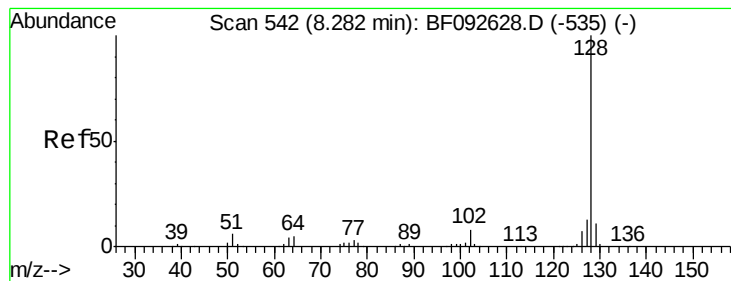


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 4.17 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

Instrument :

BNA_F

ClientSampleId :

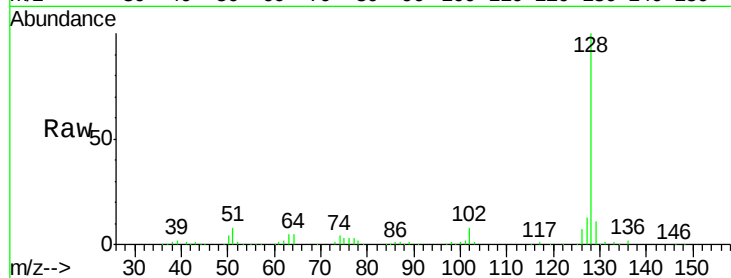
Tot Ion:128 Resp: 129231

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

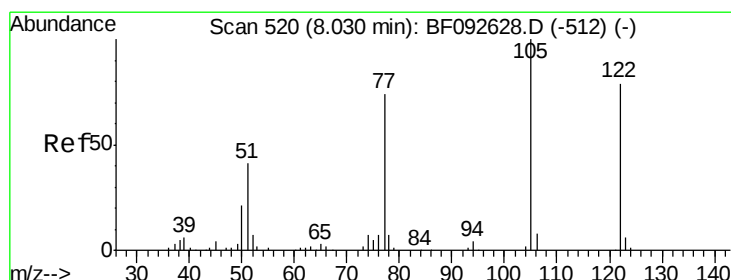
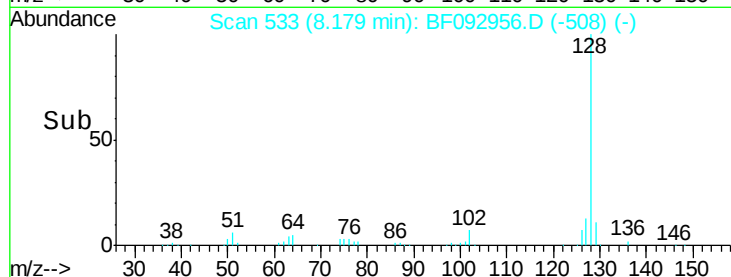
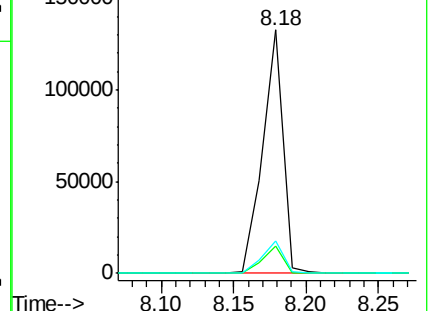
127 13.3 10.8 16.2



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



#32

Benzoic acid

Concen: 7.26 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.09 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

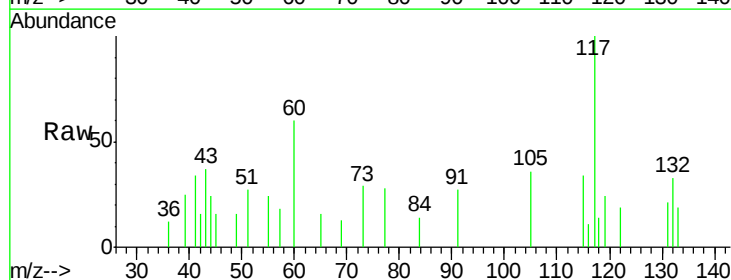
Tgt Ion:122 Resp: 612

Ion Ratio Lower Upper

122 100

105 183.3 107.2 147.2#

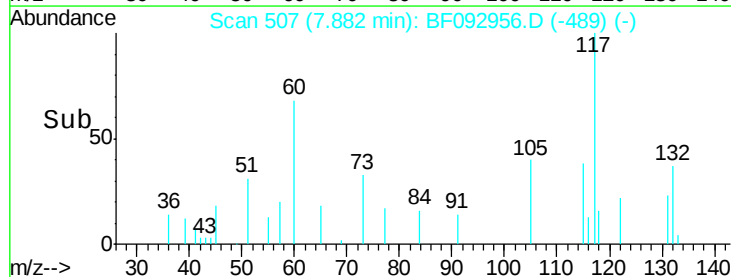
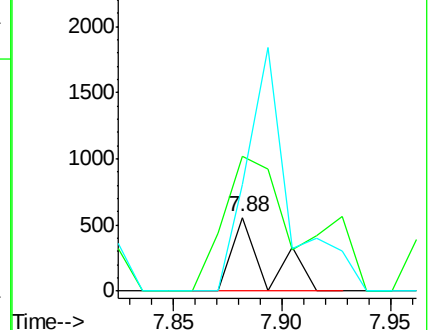
77 145.0 74.5 114.5#

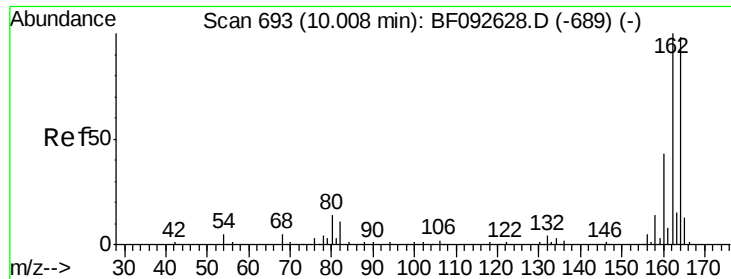


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

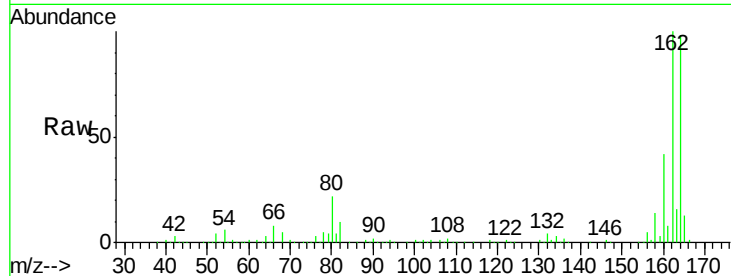




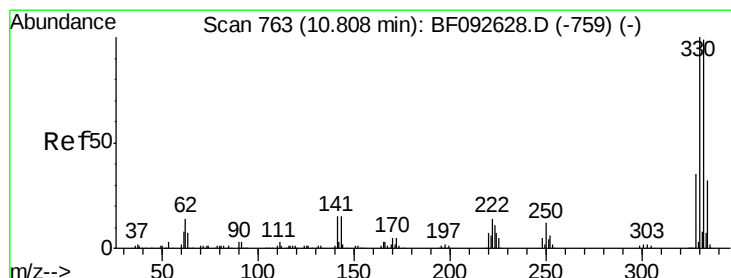
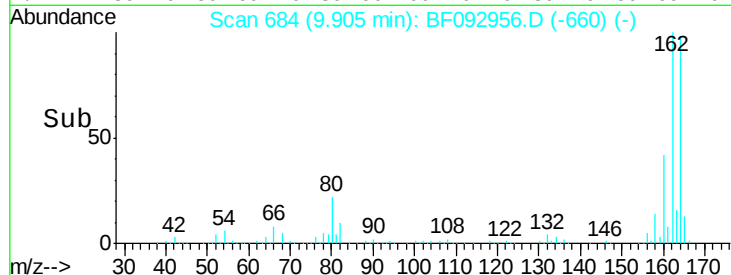
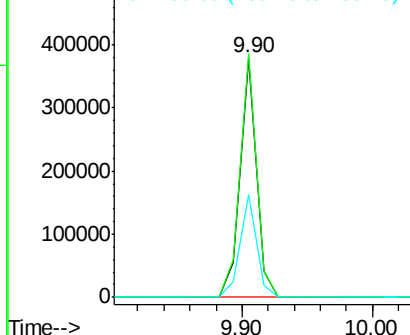
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 327487
 Ion Ratio Lower Upper
 164 100
 162 102.1 80.2 120.2
 160 43.0 36.9 55.3

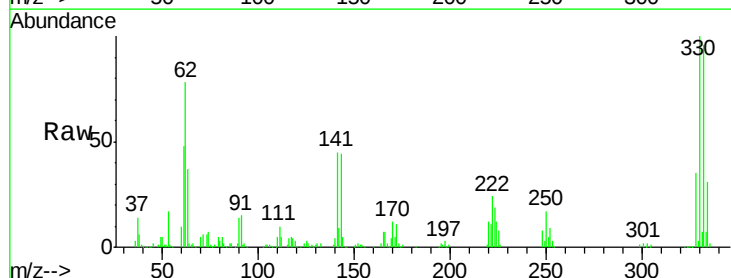


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

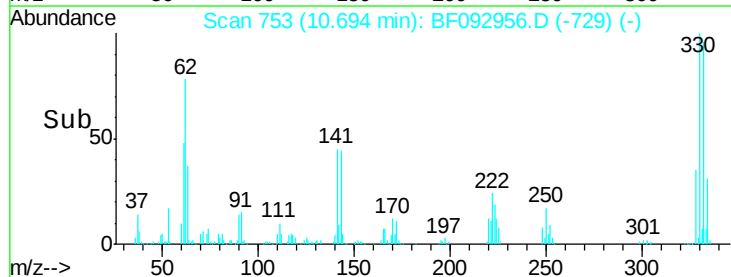
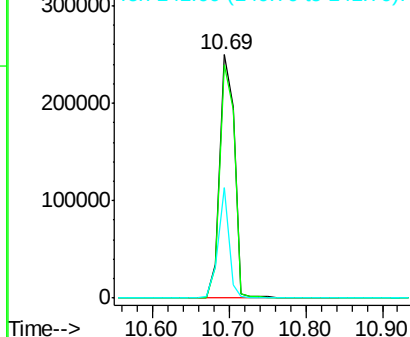


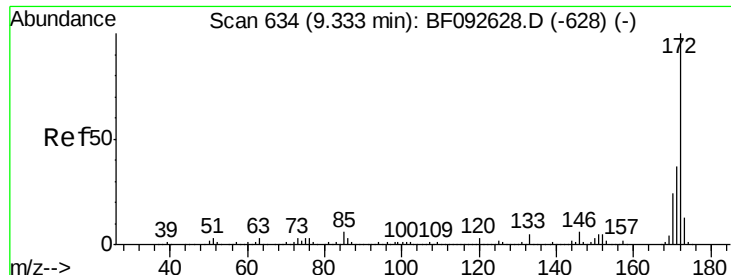
#41
 2,4,6-Tribromophenol
 Concen: 142.87 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Tgt Ion:330 Resp: 338392
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 33.2 34.1 51.1#



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



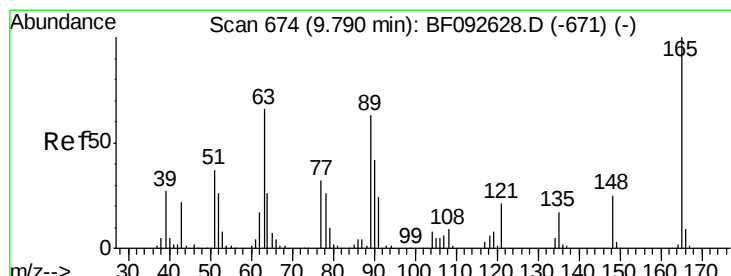
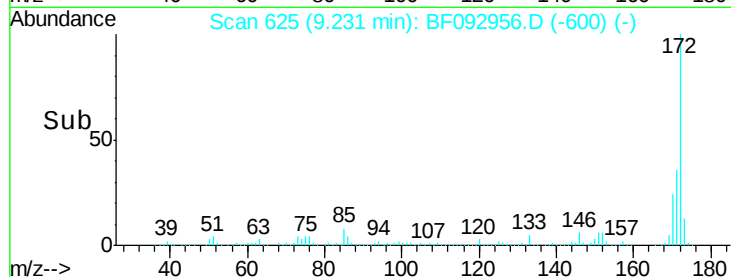
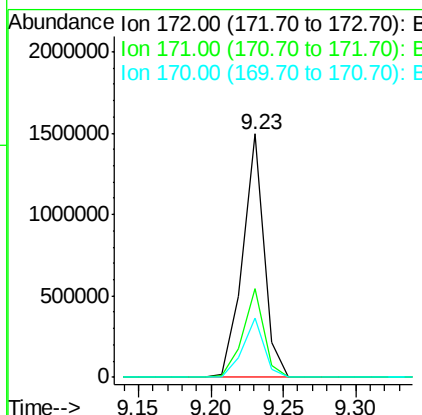
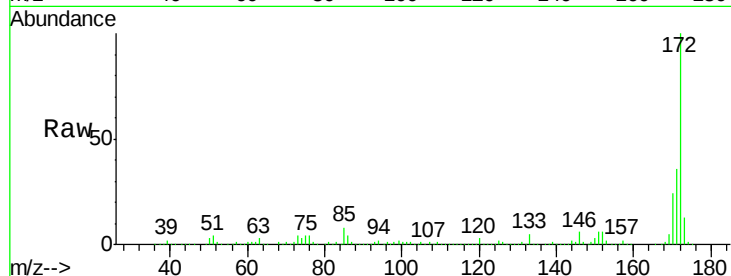


#44
 2-Fluorobiphenyl
 Concen: 85.00 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1536556

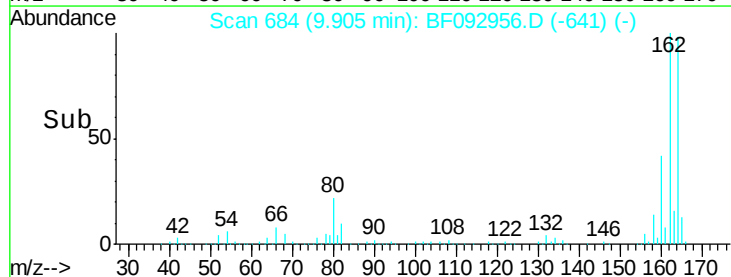
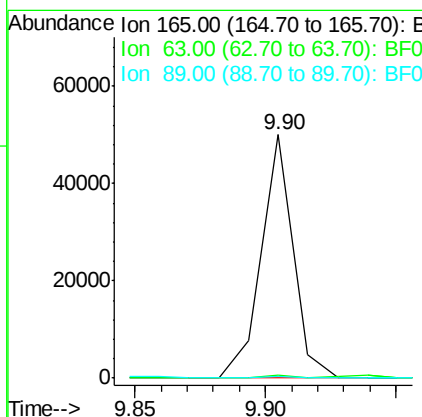
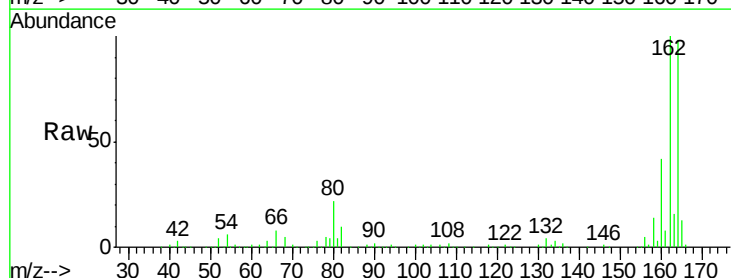
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.4	20.2	30.4

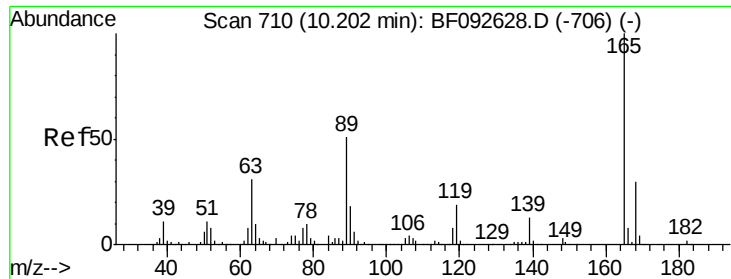


#50
 2,6-Dinitrotoluene
 Concen: 9.05 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.19 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Tgt Ion:165 Resp: 43108

Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	0.9	40.2	60.4#

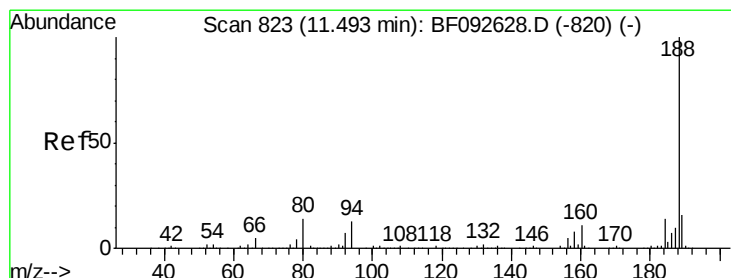
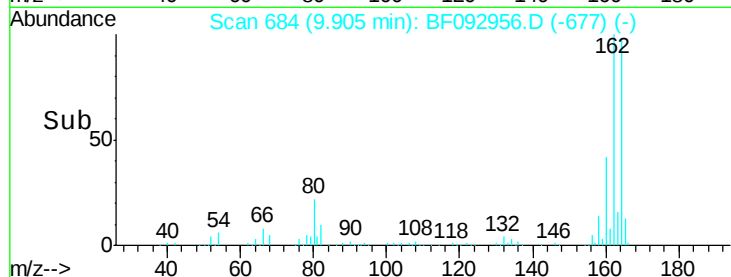
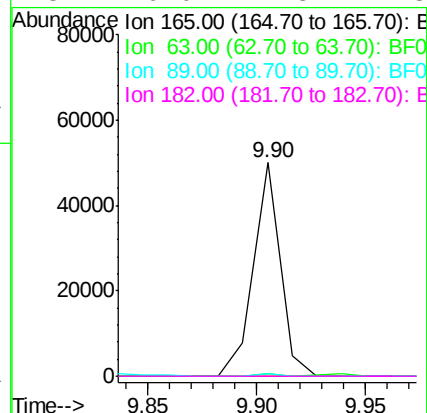
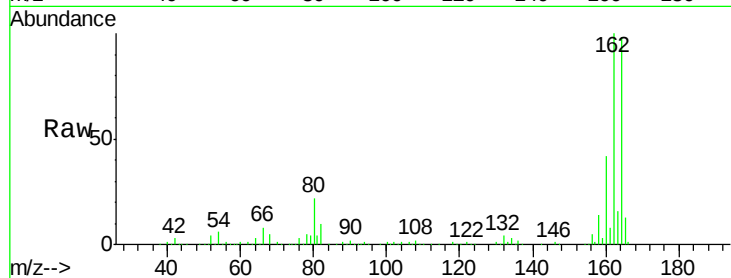




#56
 2,4-Dinitrotoluene
 Concen: 6.80 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.22 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

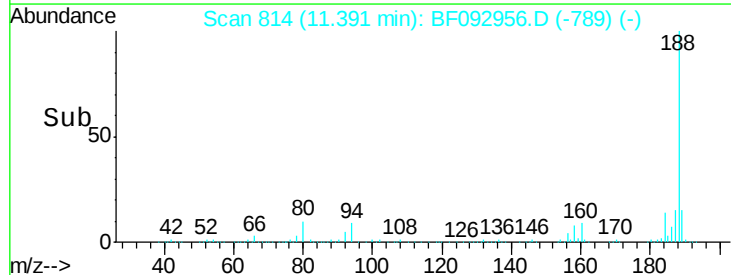
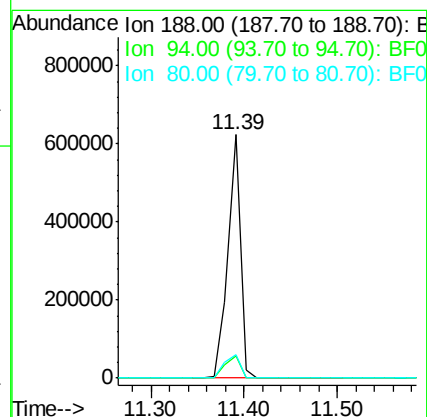
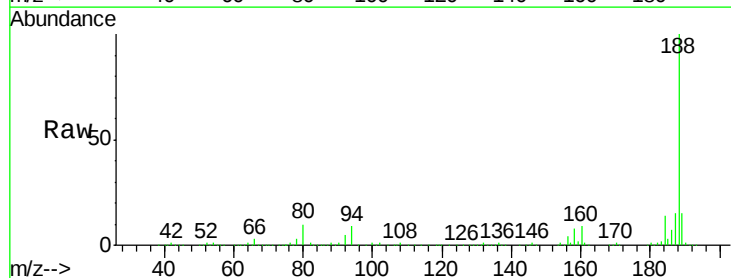
Instrument :
 BNA_F
 ClientSampleId :

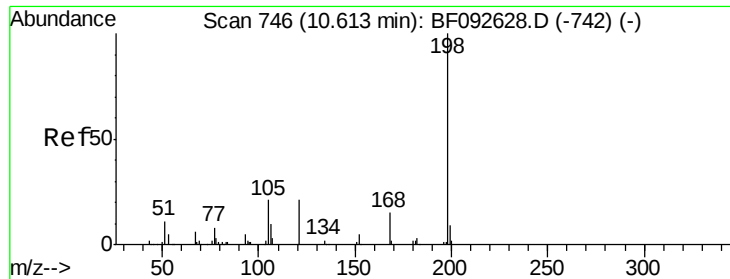
Tot Ion:165	Resp:	43110
Ion Ratio	Lower	Upper
165	100	
63	1.4	40.2 60.4#
89	0.9	62.5 93.7#
182	0.0	1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Tgt Ion:188	Resp:	582560
Ion Ratio	Lower	Upper
188	100	
94	9.1	10.0 15.0#
80	9.6	11.2 16.8#

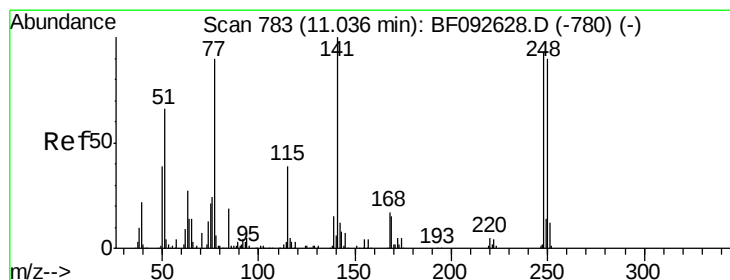
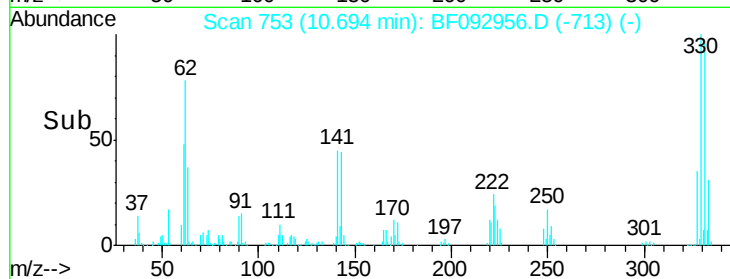
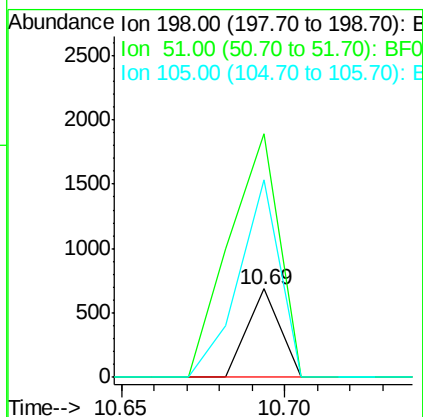
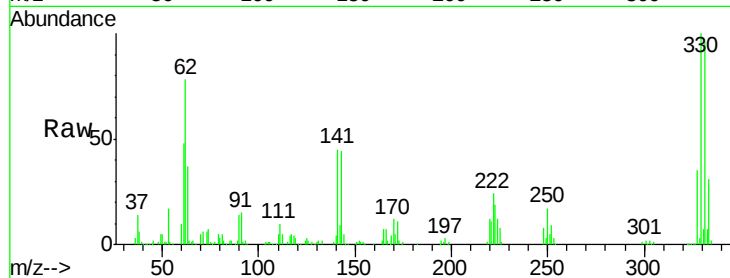




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.79 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.16 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

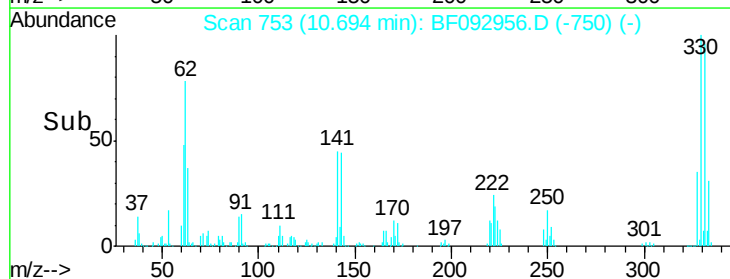
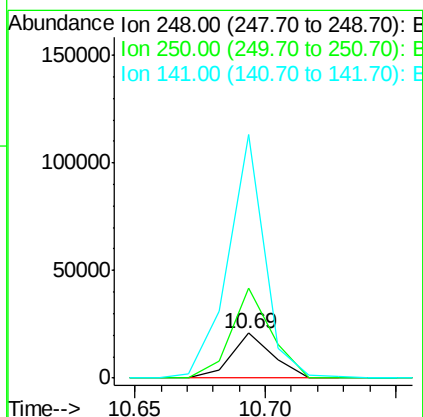
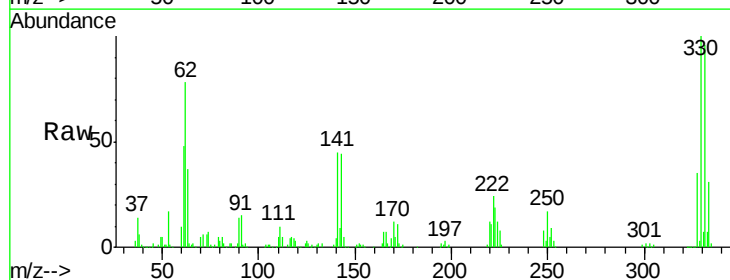
Instrument :
 BNA_F
 ClientSampled :

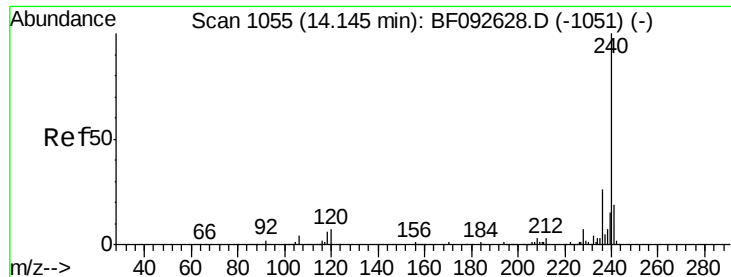
Tot Ion:198 Resp: 470
 Ion Ratio Lower Upper
 198 100
 51 276.1 6.7 46.7#
 105 223.4 16.6 56.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.75 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.26 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Tgt Ion:248 Resp: 22814
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.9 115.3#
 141 540.0 68.2 102.4#





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

Instrument :

BNA_F

ClientSampleId :

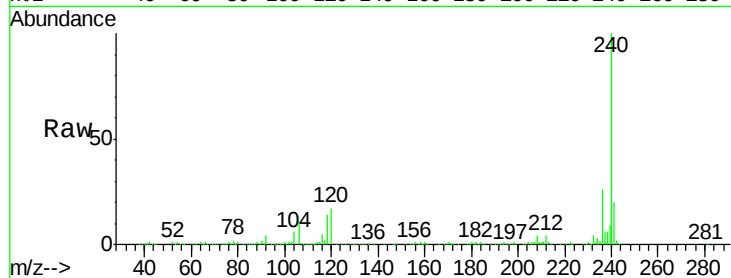
Tot Ion:240 Resp: 487332

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

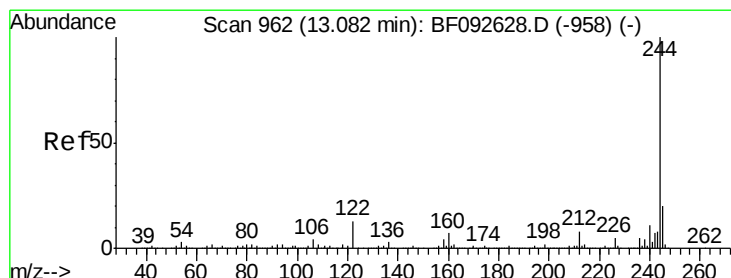
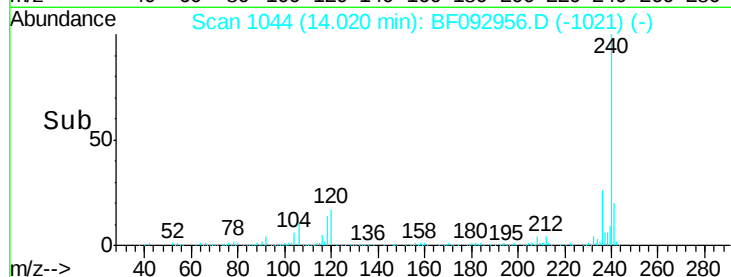
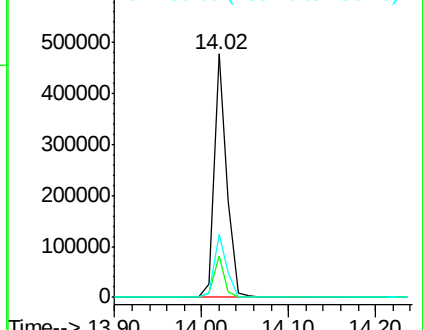
236 25.9 20.9 31.3



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: 76.27 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092956.D

Acq: 15 Feb 2017 17:41

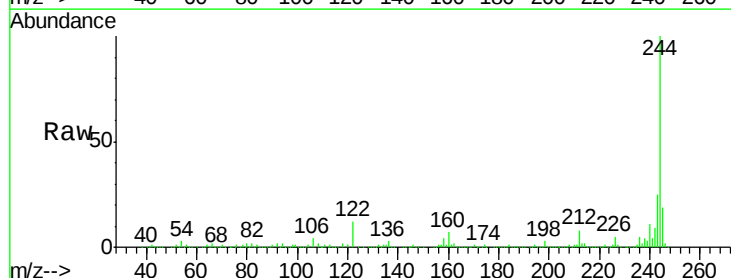
Tgt Ion:244 Resp: 1581917

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

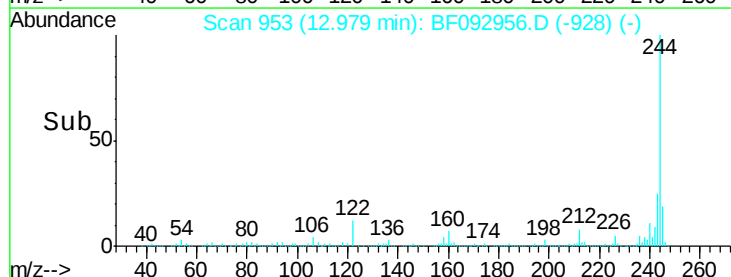
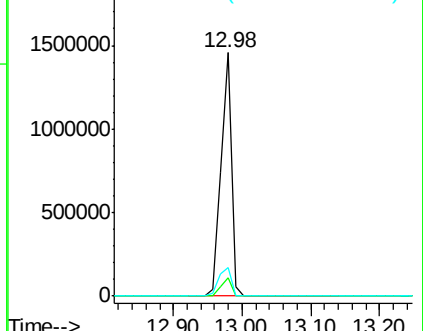
122 11.9 11.4 17.2

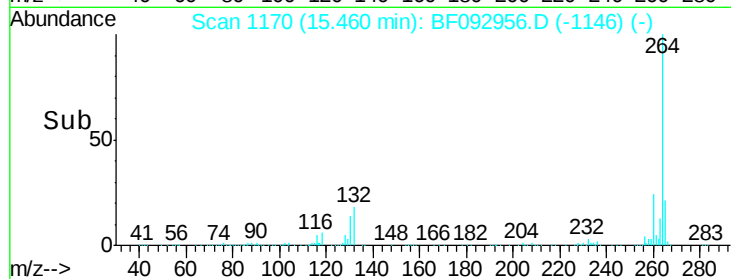
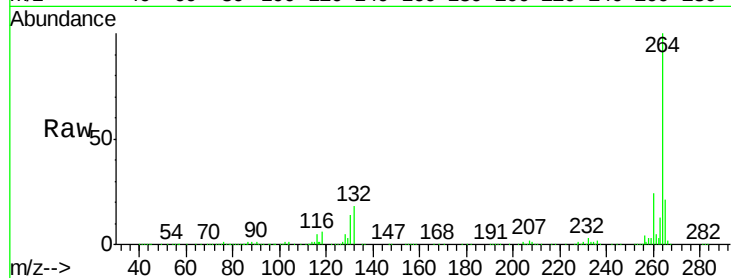
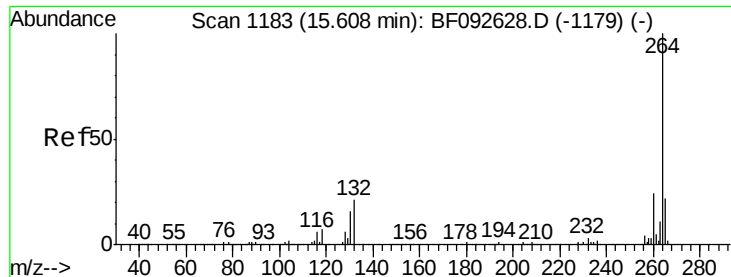


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF092956.D
 Acq: 15 Feb 2017 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.4	26.0

