

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098727.D
 Acq On : 23 Sep 2017 5:45
 Operator : SJ/JU
 Sample : I5339-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 06:41:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

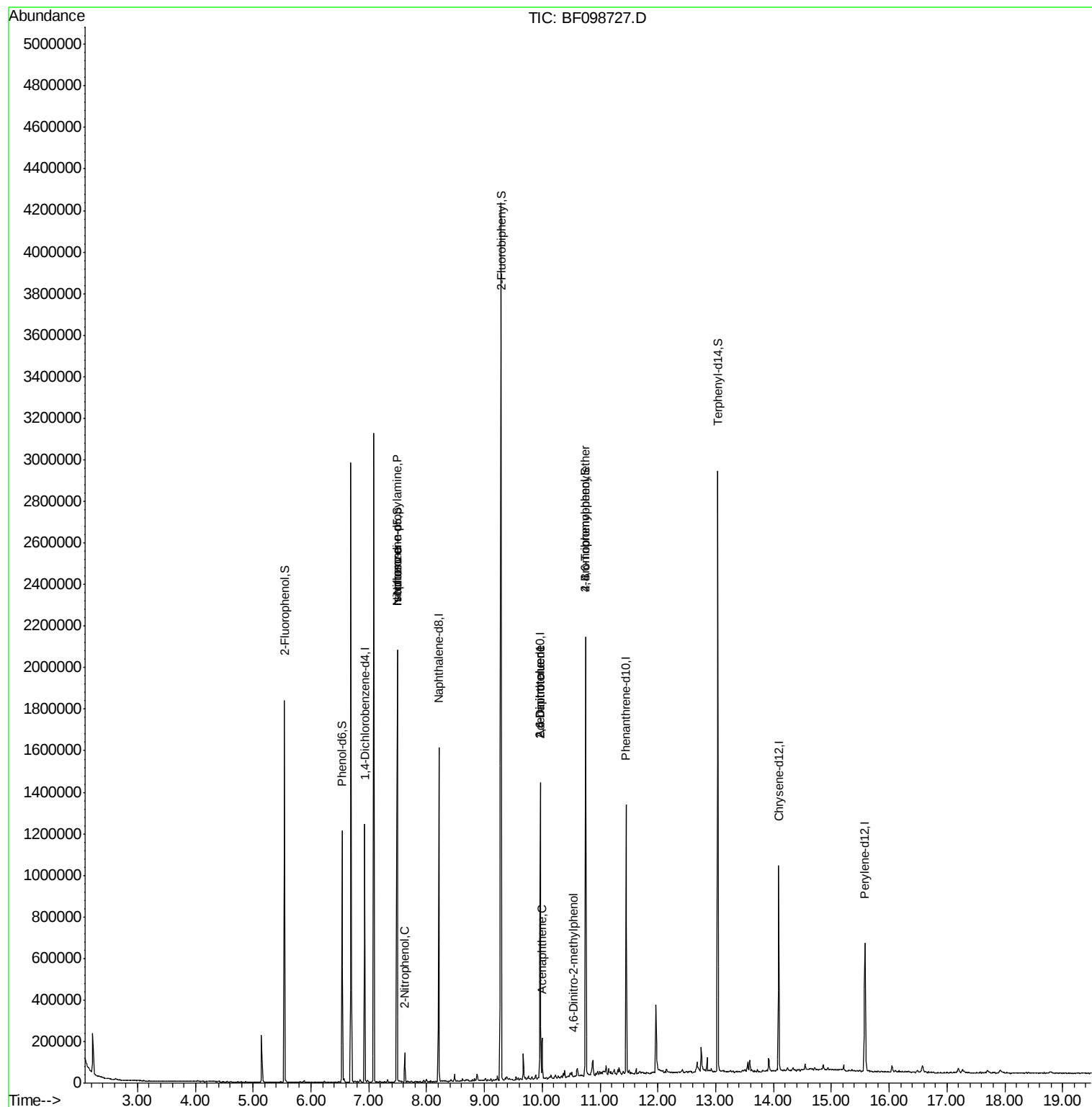
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	162676	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	646770	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	264257	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	386597	20.00	ng	0.00
75) Chrysene-d12	14.09	240	335629	20.00	ng	0.00
86) Perylene-d12	15.58	264	276873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	470514	43.92	ng	0.00
7) Phenol-d6	6.54	99	342718	26.42	ng	0.00
23) Nitrobenzene-d5	7.49	82	756756	79.37	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	248479	102.82	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1298146	78.17	ng	0.00
78) Terphenyl-d14	13.03	244	948919	60.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.49	70	100511	12.51	ng	# 79
25) Isophorone	7.49	82	754228	36.27	ng	# 64
26) 2-Nitrophenol	7.62	139	1703	6.07	ng	# 1
50) 2,6-Dinitrotoluene	9.96	165	32943	8.42	ng	# 26
51) Acenaphthene	10.00	154	38397	2.36	ng	# 99
56) 2,4-Dinitrotoluene	9.96	165	32943	6.27	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.54	198	128	9.00	ng	# 41
66) 4-Bromophenyl-phenylether	10.75	248	15411	3.95	ng	# 1

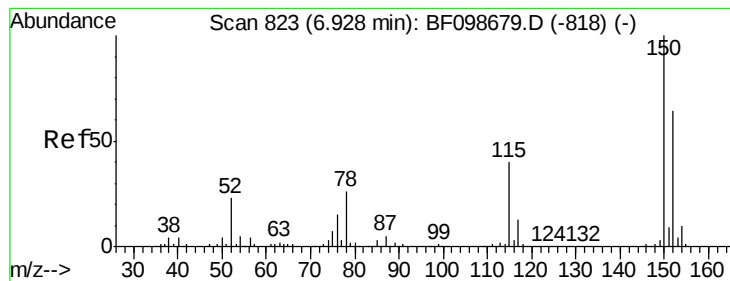
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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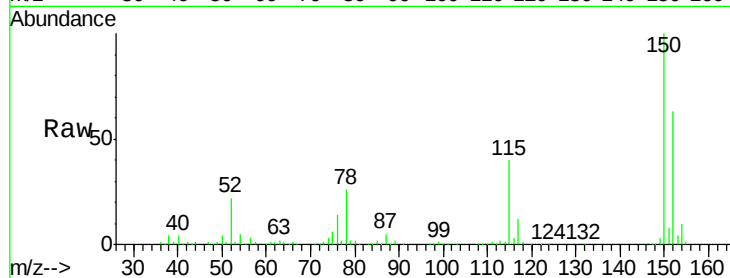


#1

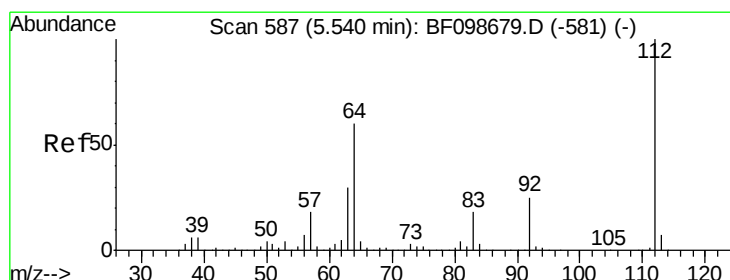
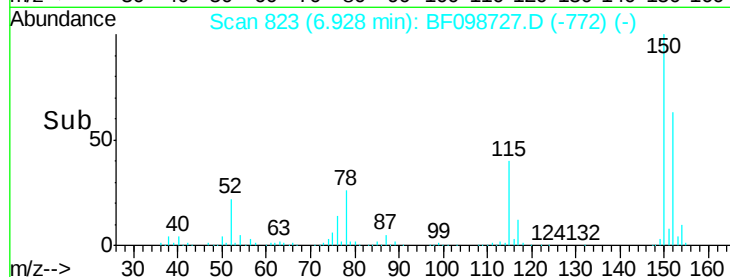
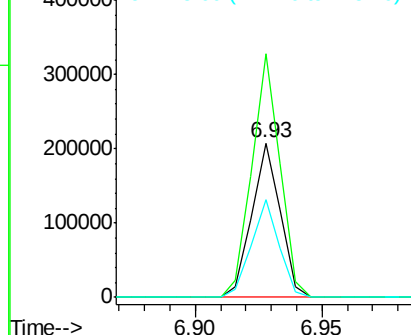
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 162676
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 63.2 50.1 75.1



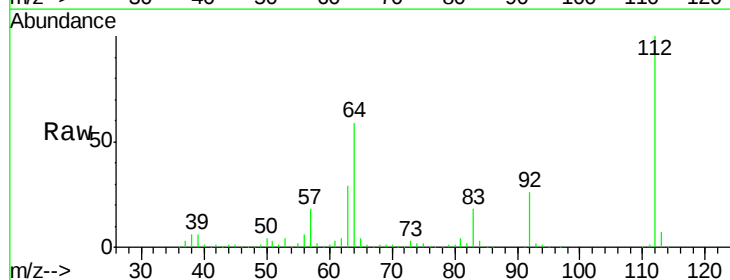
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



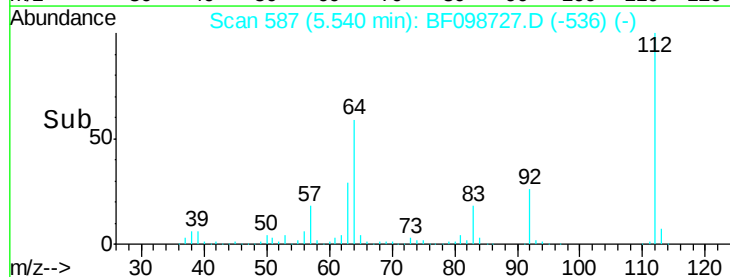
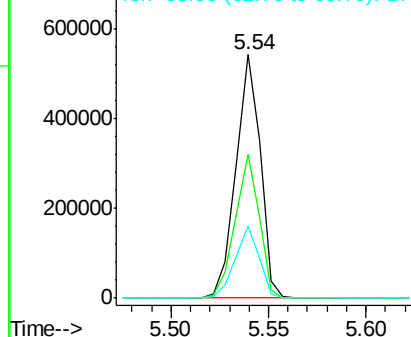
#5

2-Fluorophenol
Concen: 43.92 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Tgt Ion:112 Resp: 470514
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 29.5 23.7 35.5



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: 26.42 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

Instrument :

BNA_F

ClientSampleId :

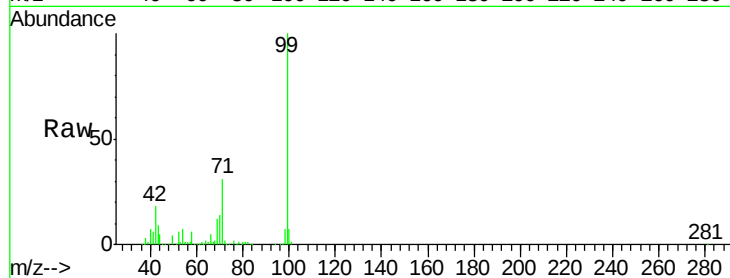
Tot Ion: 99 Resp: 342718

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

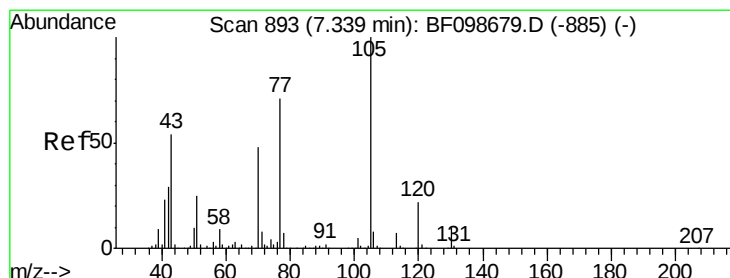
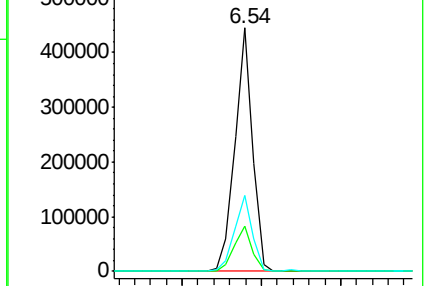
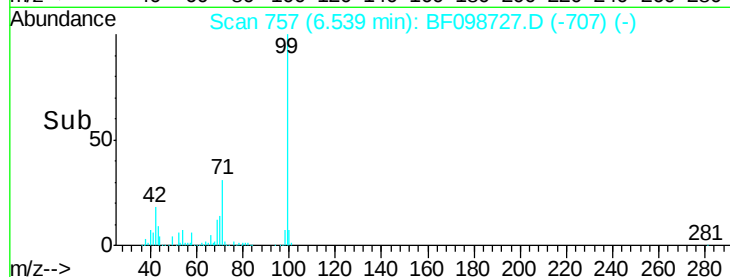
71 31.1 25.4 38.0



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: 12.51 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.15 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

Tgt Ion: 70 Resp: 100511

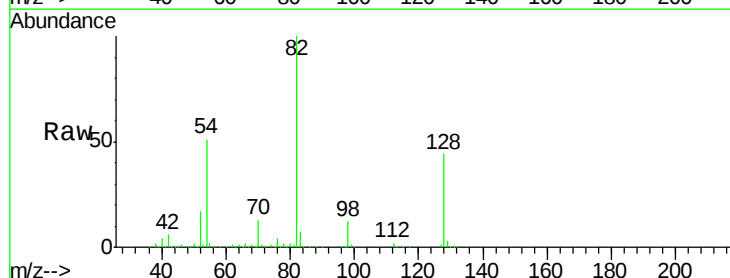
Ion Ratio Lower Upper

70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

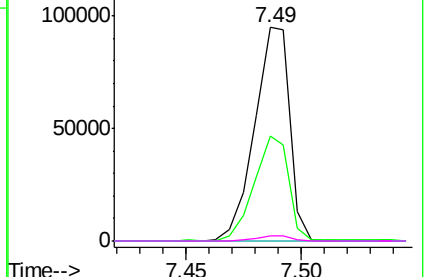
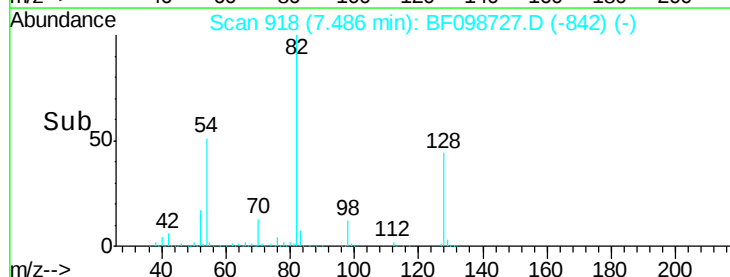


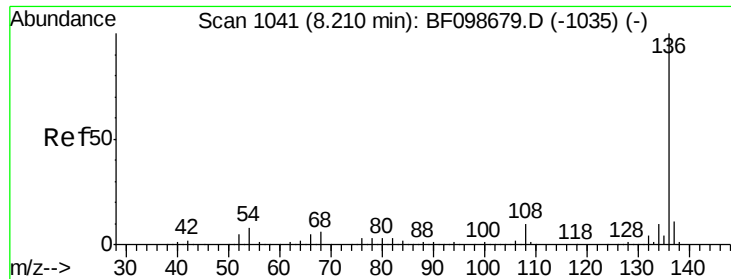
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

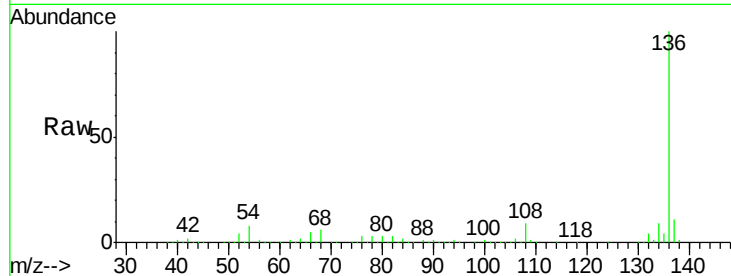




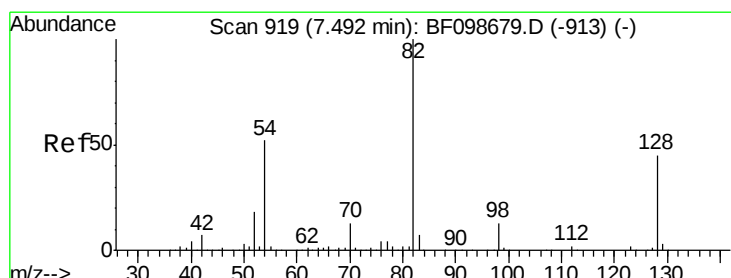
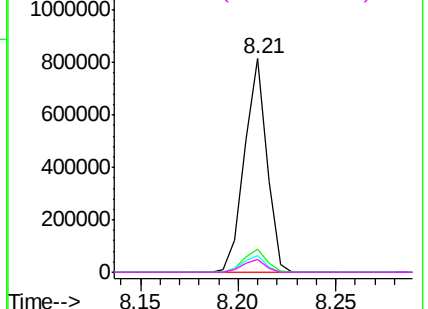
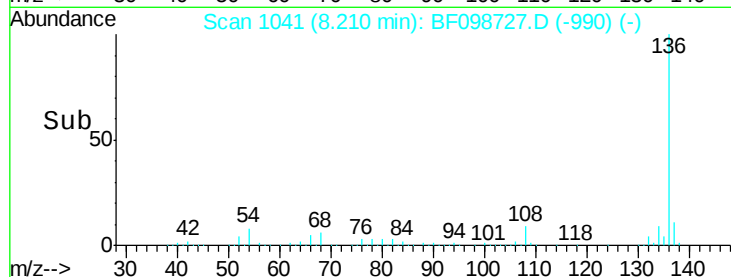
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	646770
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	7.9	6.6 9.8
68	5.9	5.0 7.4

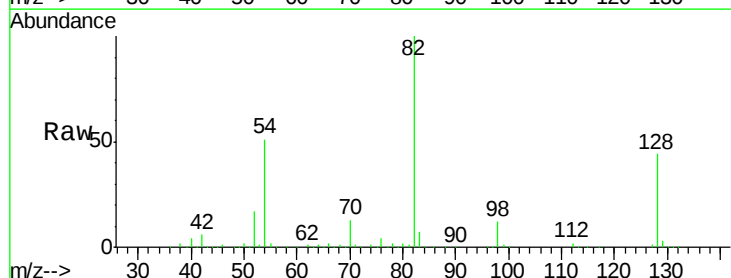


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

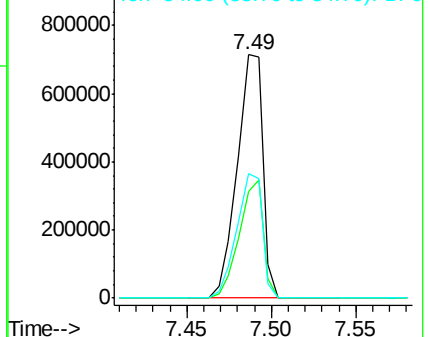
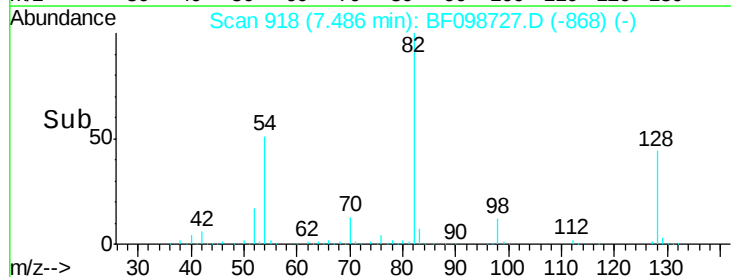


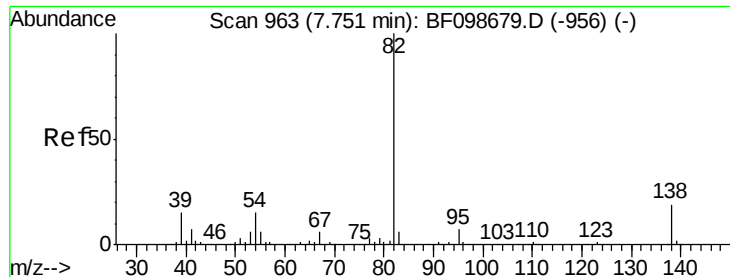
#23
Nitrobenzene-d5
Concen: 79.37 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Tgt Ion: 82	Resp:	756756
Ion	Ratio	Lower Upper
82	100	
128	43.8	36.1 54.1
54	51.1	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.27 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

Instrument :

BNA_F

ClientSampled :

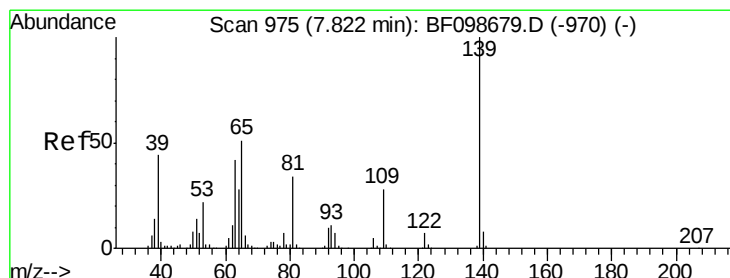
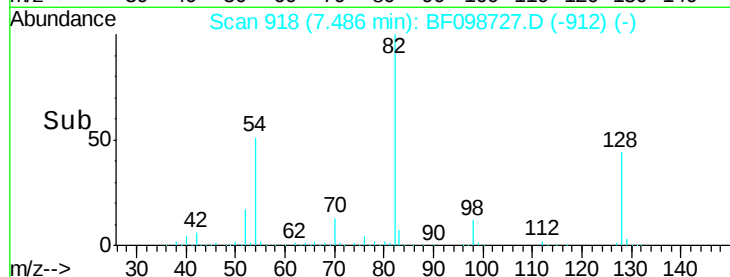
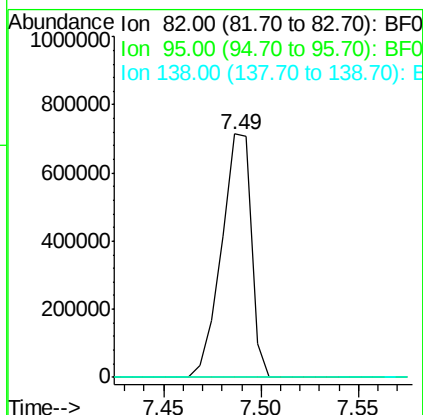
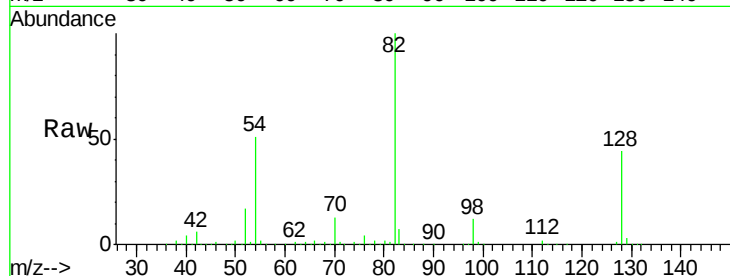
Tot Ion: 82 Resp: 754228

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#26

2-Nitrophenol

Concen: 6.07 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.20 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

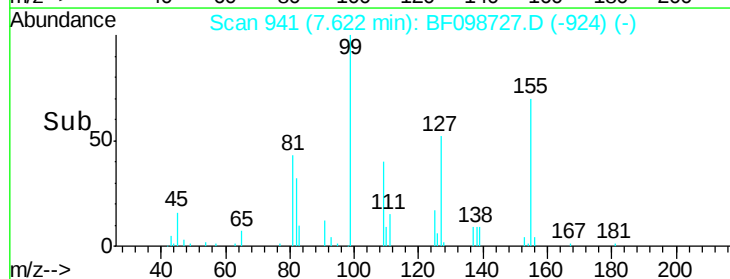
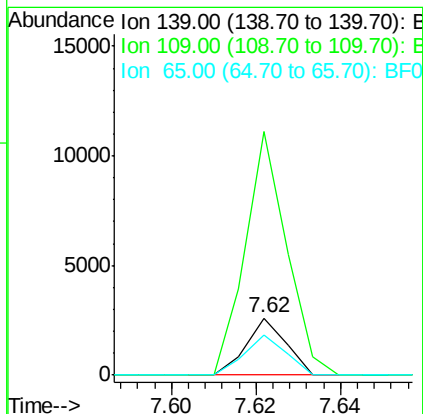
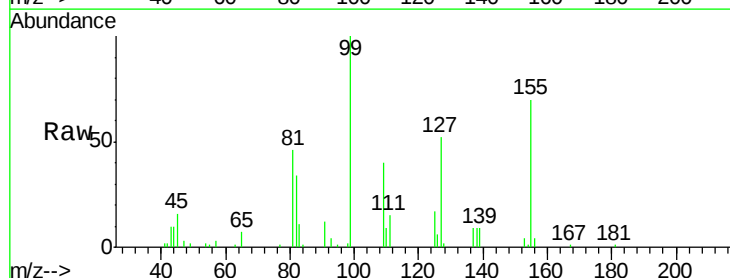
Tgt Ion: 139 Resp: 1703

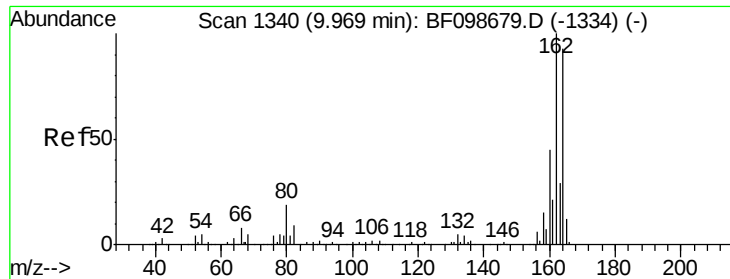
Ion Ratio Lower Upper

139 100

109 425.3 22.7 34.1#

65 70.8 40.5 60.7#

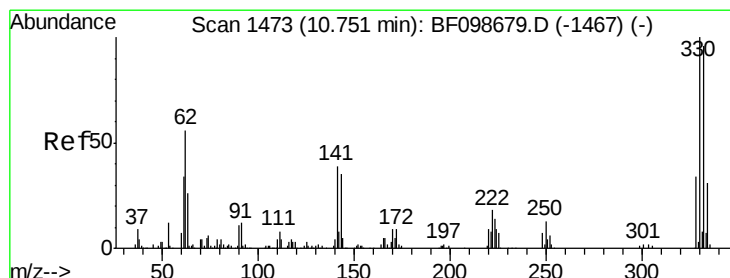
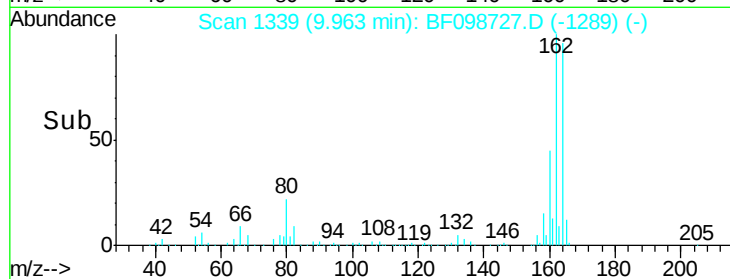
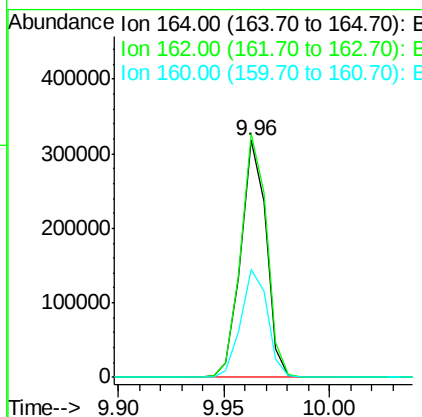
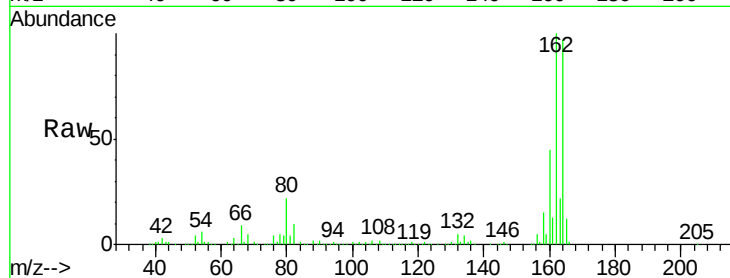




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

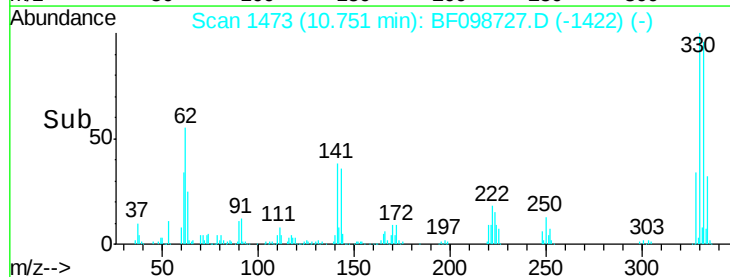
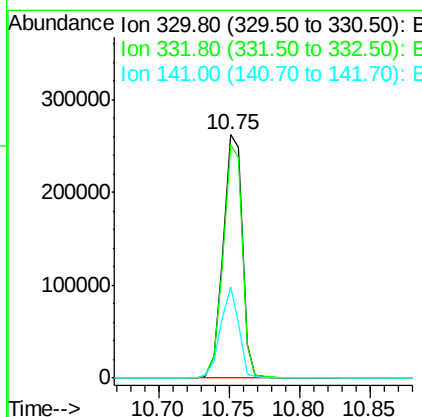
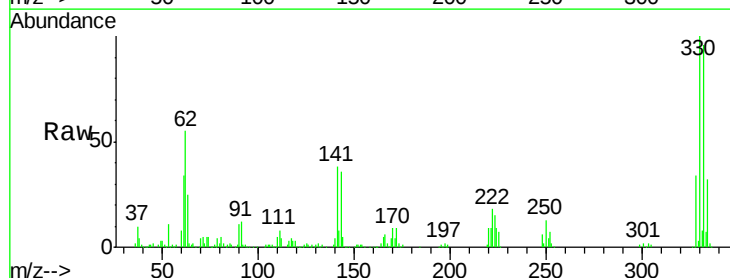
Instrument :
 BNA_F
 ClientSampleId :

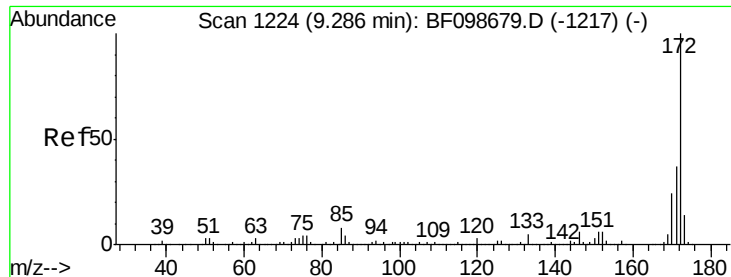
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	45.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 102.82 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	36.1	29.9	44.9



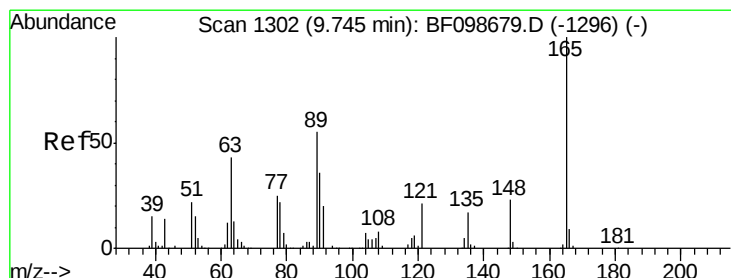
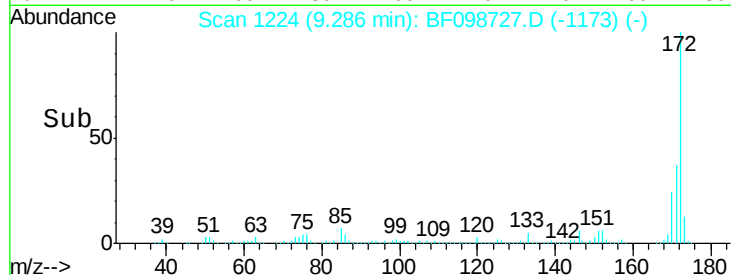
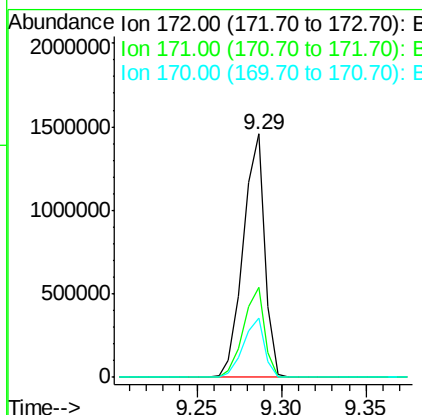
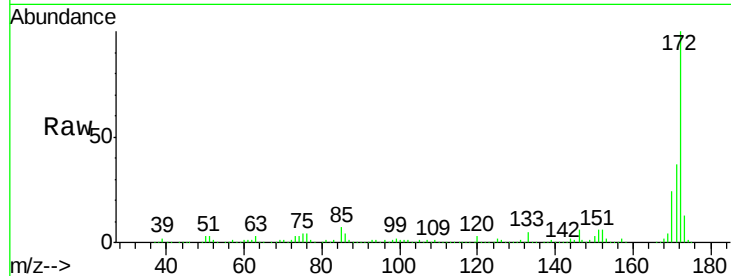


#44
 2-Fluorobiphenyl
 Concen: 78.17 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1298146

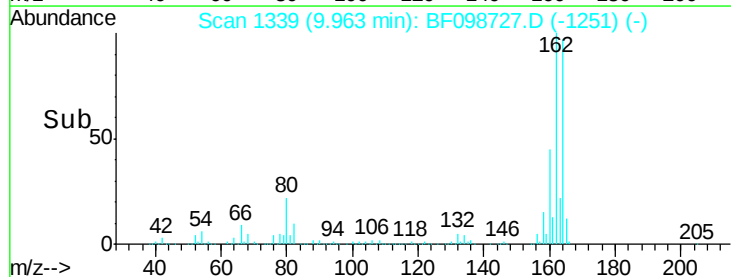
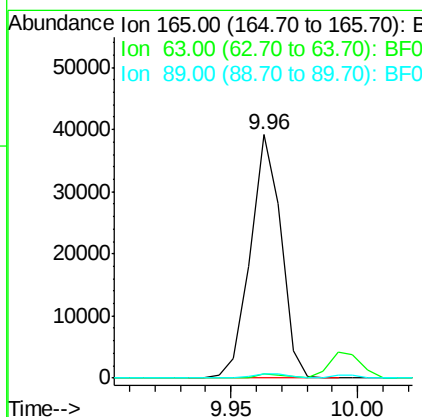
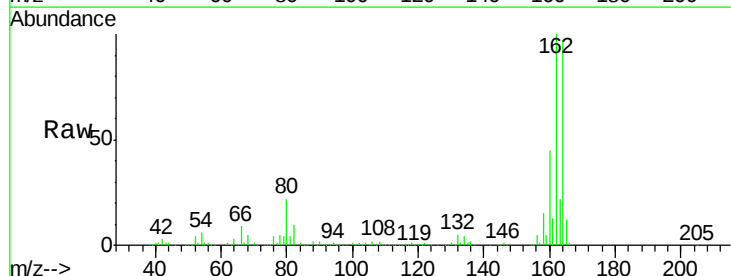
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.4	19.6	29.4

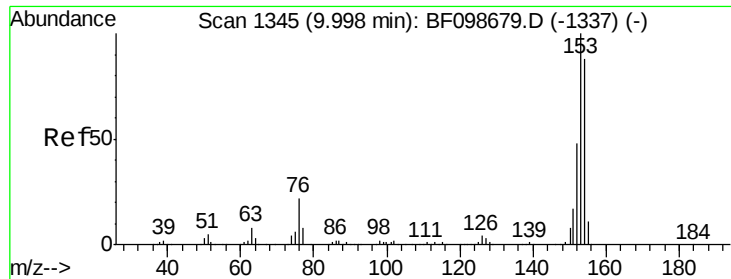


#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.22 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

Tgt Ion:165 Resp: 32943

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.9	44.0	66.0#





#51

Acenaphthene

Concen: 2.36 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

Instrument :

BNA_F

ClientSampleId :

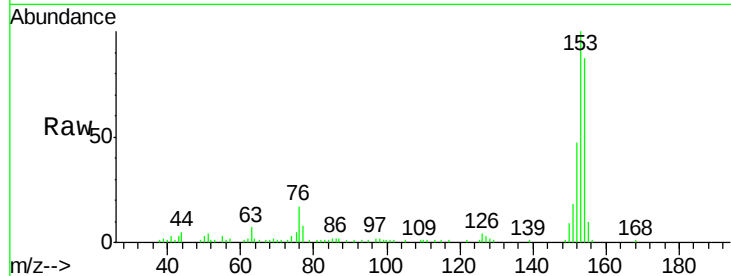
Tot Ion:154 Resp: 38397

Ion Ratio Lower Upper

154 100

153 114.5 91.2 136.8

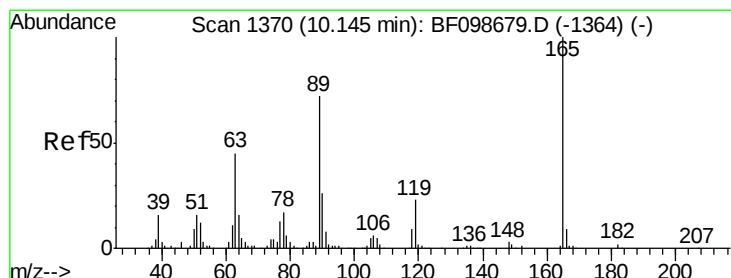
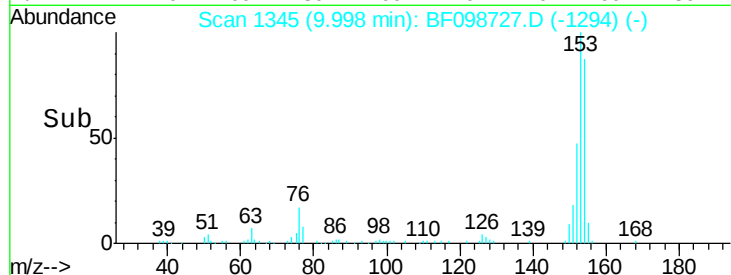
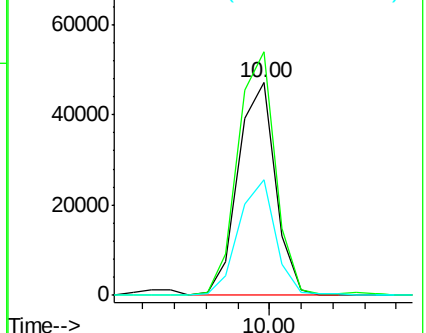
152 54.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.18 min

Lab File: BF098727.D

Acq: 23 Sep 2017 5:45

Tgt Ion:165 Resp: 32943

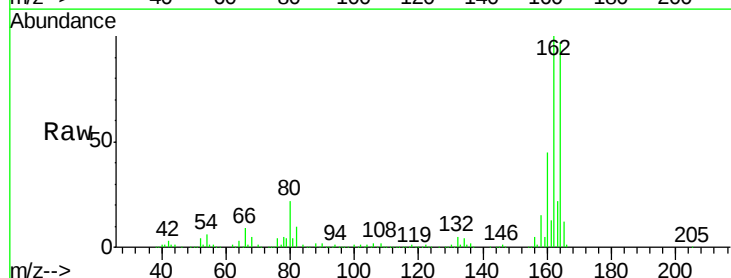
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

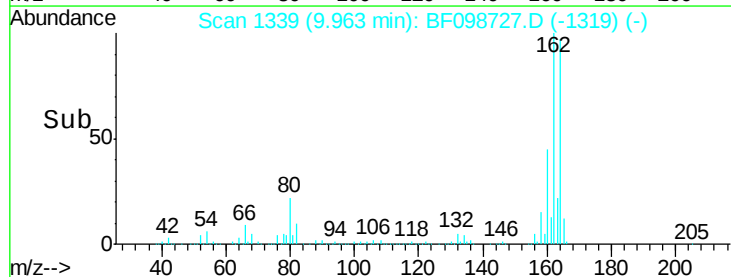
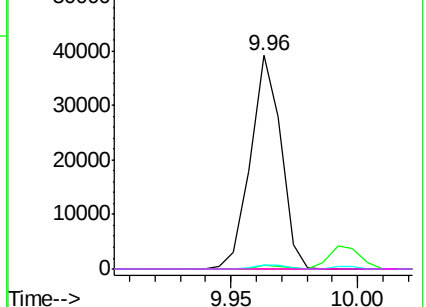


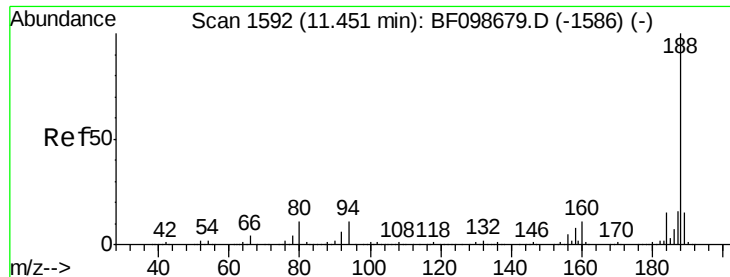
Abundance Ion 165.00 (164.70 to 165.70): E

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

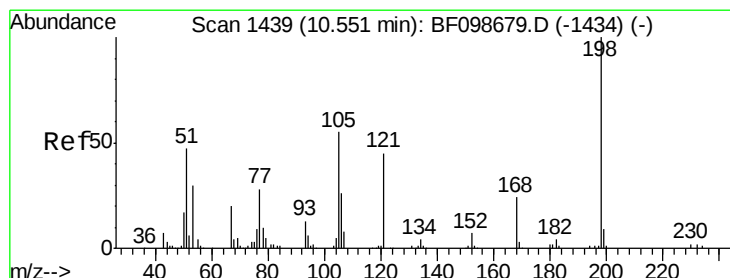
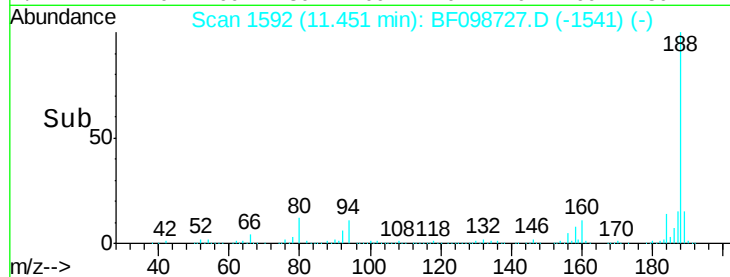
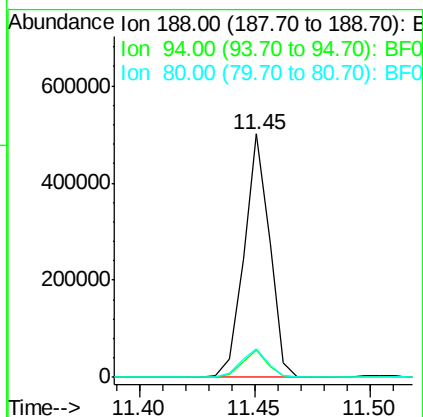
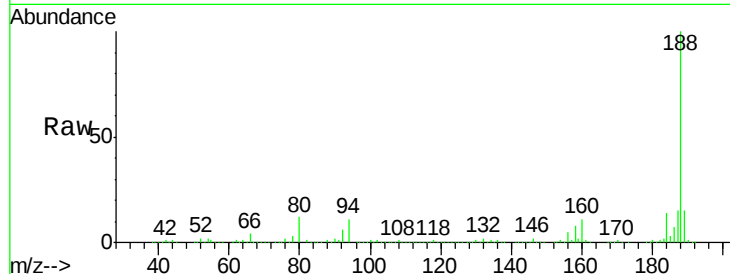




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

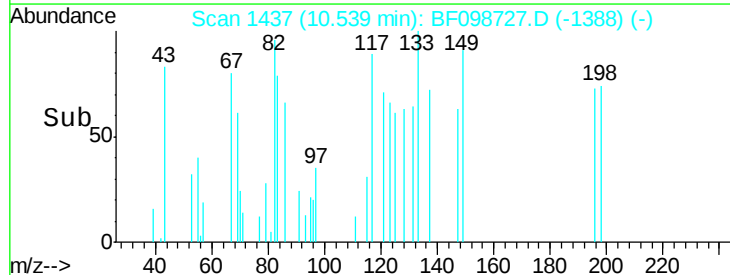
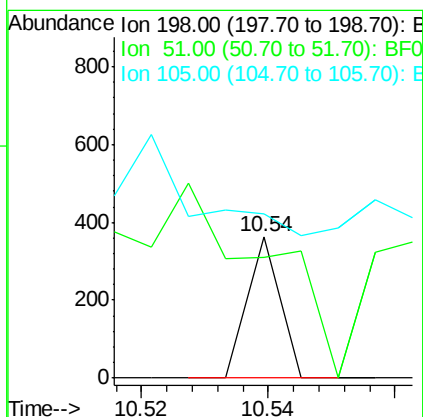
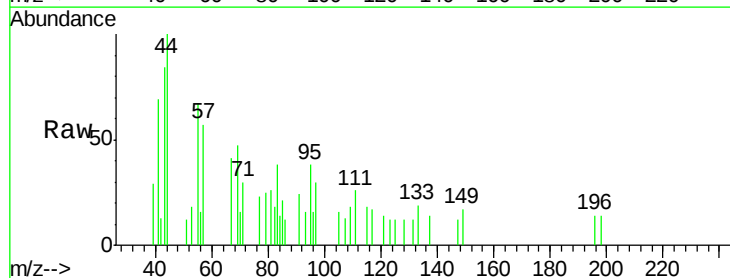
Instrument :
BNA_F
ClientSampleId :

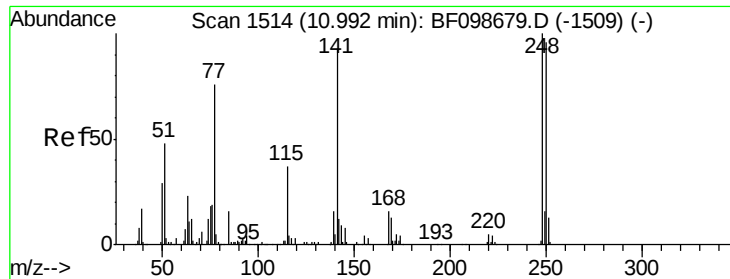
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.0	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.00 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Tgt Ion	Ratio	Lower	Upper
198	100		
51	85.1	37.7	77.7#
105	116.3	36.3	76.3#

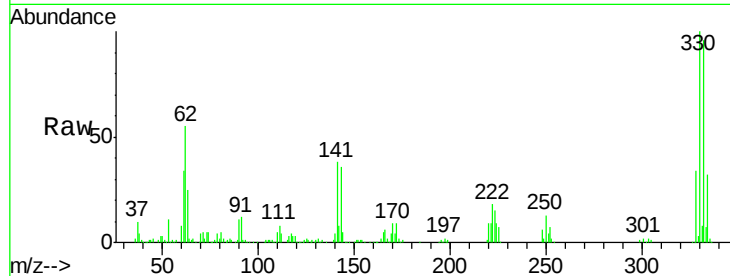




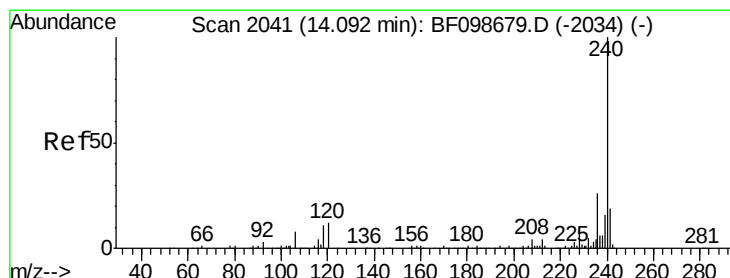
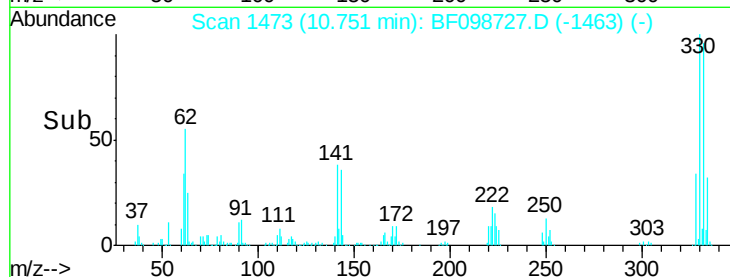
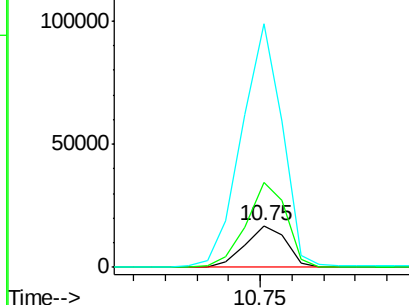
#66
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15411
Ion Ratio Lower Upper
248 100
250 201.6 76.9 115.3#
141 580.8 74.4 111.6#

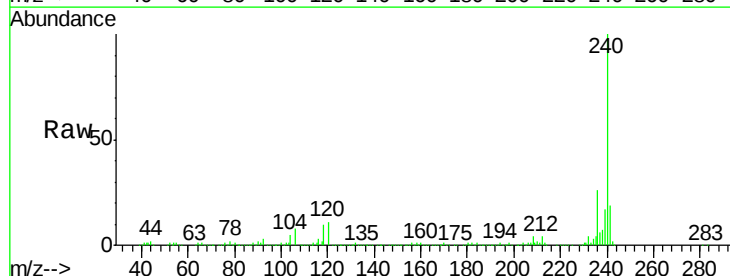


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

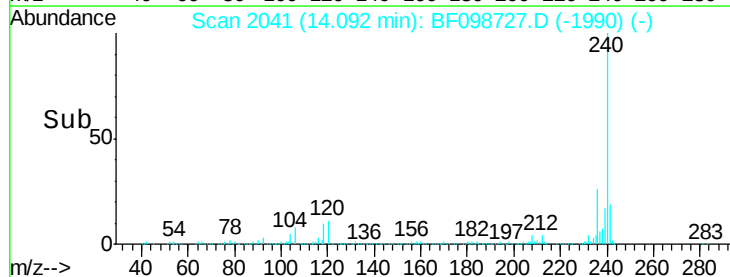
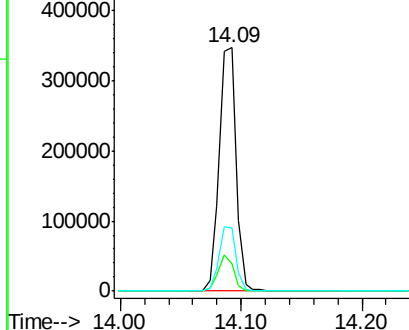


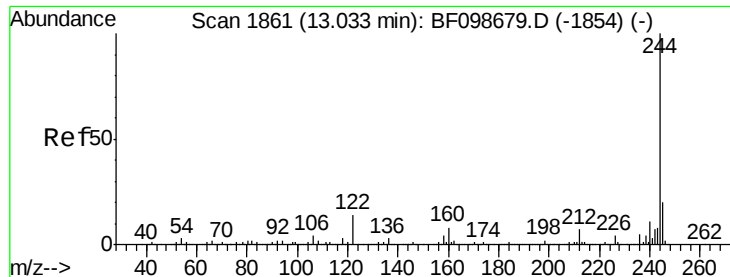
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.00 min
Lab File: BF098727.D
Acq: 23 Sep 2017 5:45

Tgt Ion:240 Resp: 335629
Ion Ratio Lower Upper
240 100
120 11.4 9.5 14.3
236 25.8 20.7 31.1



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

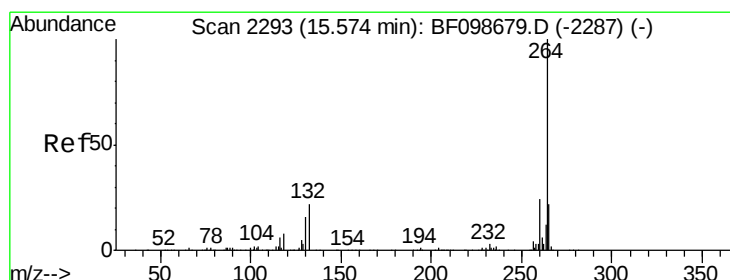
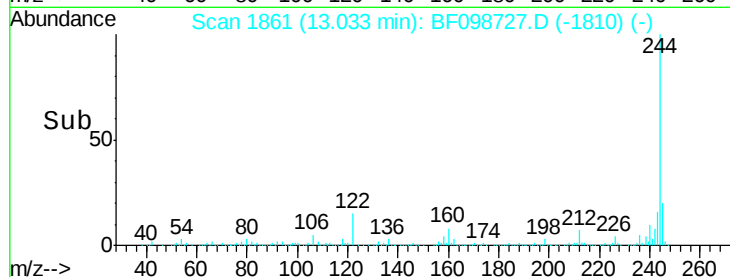
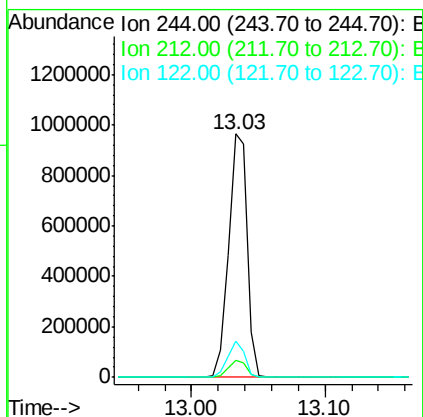
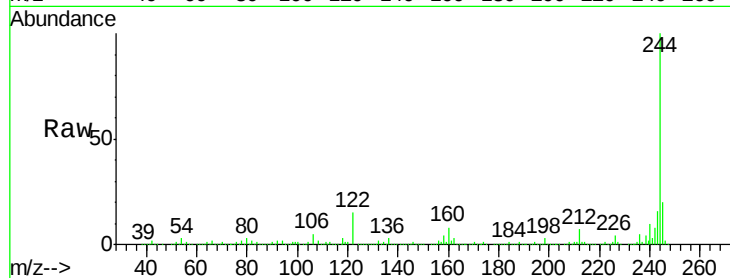




#78
 Terphenyl-d14
 Concen: 60.71 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 948919
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 15.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098727.D
 Acq: 23 Sep 2017 5:45

Tgt Ion:264 Resp: 276873
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 22.3 17.5 26.3

