

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113720.D
 Acq On : 11 Apr 2019 15:09
 Operator : JU/SJ
 Sample : K2342-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:59:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	118233	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	444359	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	213818	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	430776	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	284202	20.00	ng	-0.02
87) Perylene-d12	15.23	264	296249	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	731089	105.44	ng	0.00
7) Phenol-d6	6.33	99	861346	100.79	ng	-0.01
23) Nitrobenzene-d5	7.24	82	679063	89.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	326507	127.12	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1295600	97.55	ng	-0.02
79) Terphenyl-d14	12.77	244	1288024	92.27	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.97	42	137	0.038	ng	# 1
6) Aniline	6.45	93	999	0.096	ng	# 1
8) 2-Chlorophenol	6.46	128	110	0.014	ng	# 1
9) Benzaldehyde	6.33	77	956	0.188	ng	# 1
10) Phenol	6.34	94	4597	0.471	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	999	0.132	ng	# 1
15) Benzyl Alcohol	6.83	79	10128	1.753	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	6.95	45	185	0.016	ng	# 63
18) Hexachloroethane	7.24	117	120	0.038	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	86700	16.453	ng	# 77
22) Acetophenone	7.12	105	424	0.043	ng	# 51
24) Nitrobenzene	7.24	77	1681	0.215	ng	# 33
25) Isophorone	7.24	82	679060	46.468	ng	# 64
31) Naphthalene	7.97	128	17032	0.791	ng	# 98
33) 4-Chloroaniline	7.97	127	1922	0.225	ng	# 39
37) 2-Methylnaphthalene	8.68	142	3072	0.217	ng	# 86
38) 1-Methylnaphthalene	8.77	142	1819	0.133	ng	# 90
46) 1,1'-Biphenyl	9.14	154	2480	0.141	ng	# 90
48) 2-Nitroaniline	9.16	65	691	0.169	ng	# 2
49) Acenaphthylene	9.57	152	274	0.013	ng	# 60
50) Dimethylphthalate	9.43	163	26258	1.666	ng	# 99
51) 2,6-Dinitrotoluene	9.70	165	27159	7.817	ng	# 25
52) Acenaphthene	9.73	154	1215	0.098	ng	# 97
55) Dibenzofuran	9.93	168	1208	0.066	ng	# 89
56) 4-Nitrophenol	9.93	139	261	0.107	ng	# 7
57) 2,4-Dinitrotoluene	9.70	165	27159	6.464	ng	# 22
58) Fluorene	10.26	166	944	0.065	ng	# 89
60) Diethylphthalate	10.13	149	1401	0.092	ng	# 59
63) Azobenzene	10.49	77	993	0.069	ng	# 13
65) 4,6-Dinitro-2-methylphenol	10.49	198	385	0.170	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	8213	0.621	ng	# 32
67) 4-Bromophenyl-phenylether	10.49	248	17747	3.673	ng	# 1
71) Phenanthrene	11.21	178	2064	0.096	ng	# 96
72) Anthracene	11.21	178	2064	0.095	ng	# 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

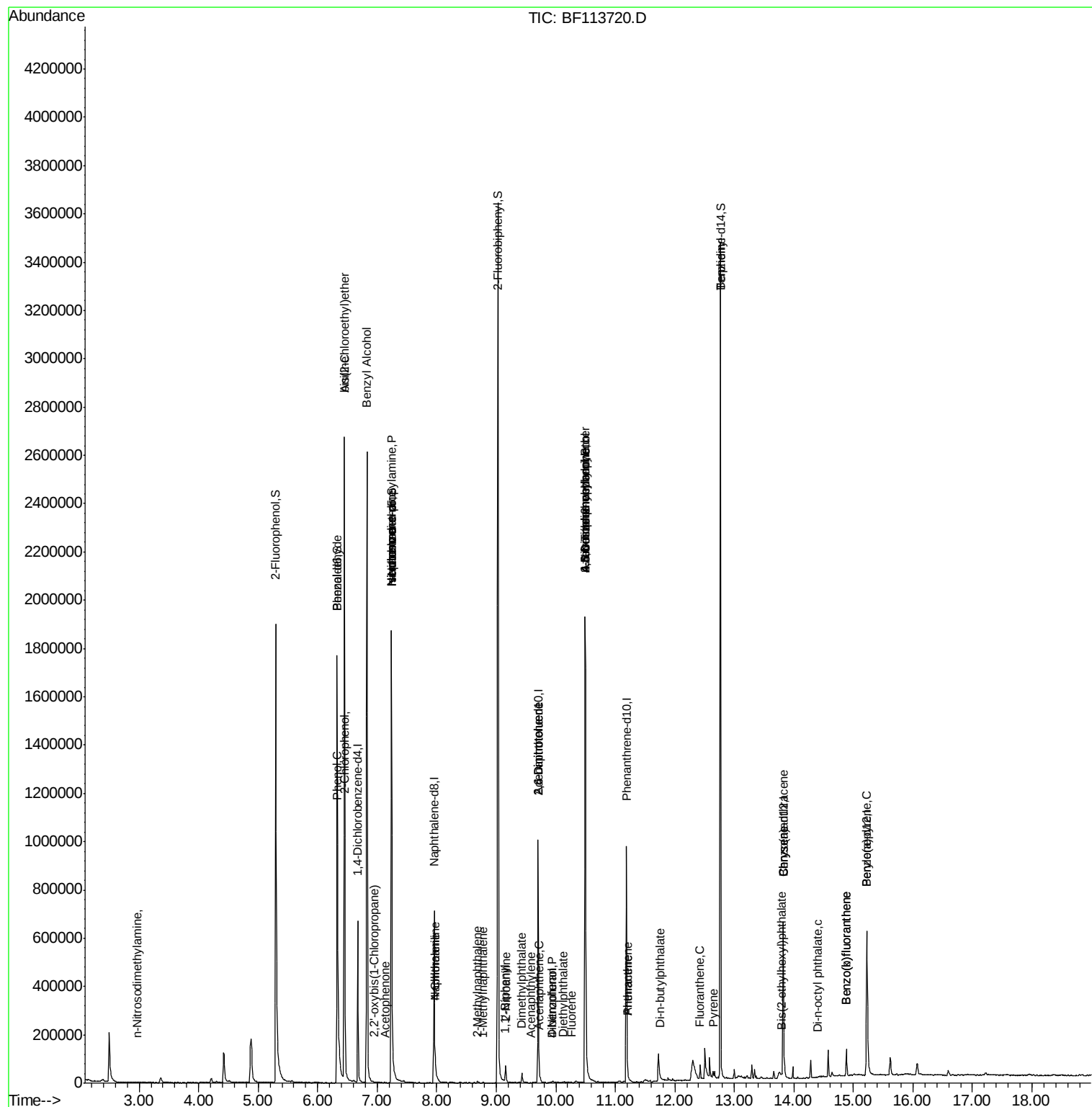
74) Di-n-butylphthalate	11.75	149	4004	0.165	ng	# 92
75) Fluoranthene	12.42	202	427	0.019	ng	64
77) Benzidine	12.77	184	14767	1.397	ng	# 95
78) Pyrene	12.64	202	349	0.016	ng	# 57
81) Benzo(a)anthracene	13.82	228	714	0.044	ng	# 51
83) Chrysene	13.82	228	714	0.043	ng	# 49
84) Bis(2-ethylhexyl)phthalate	13.80	149	3084	0.290	ng	# 86
85) Di-n-octyl phthalate	14.40	149	133	0.008	ng	# 1
88) Benzo(b)fluoranthene	14.89	252	130	0.007	ng	# 1
89) Benzo(k)fluoranthene	14.89	252	130	0.008	ng	# 1
90) Benzo(a)pyrene	15.23	252	1094	0.068	ng	# 1

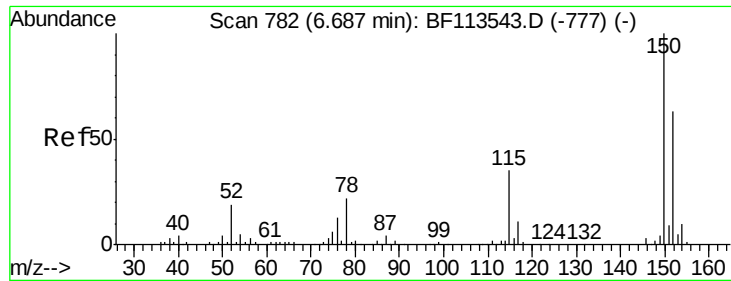
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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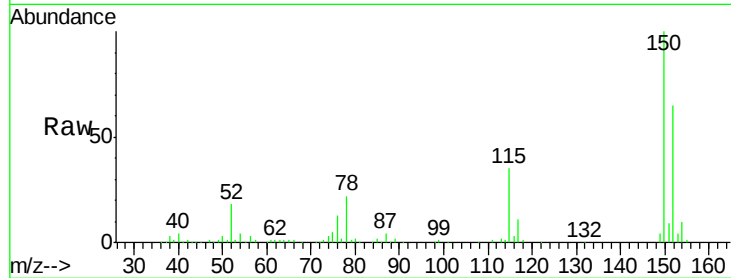


#1

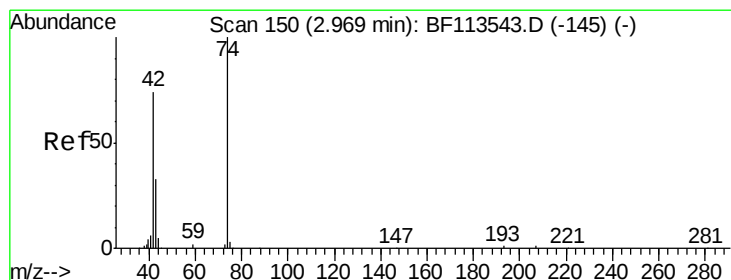
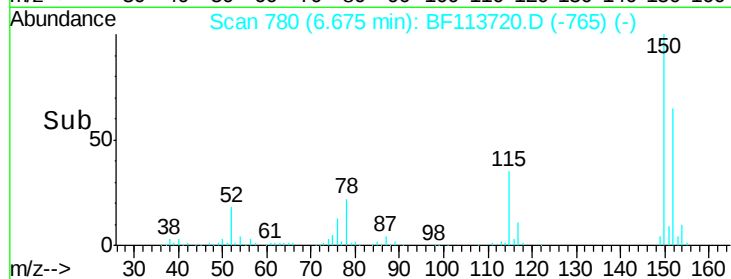
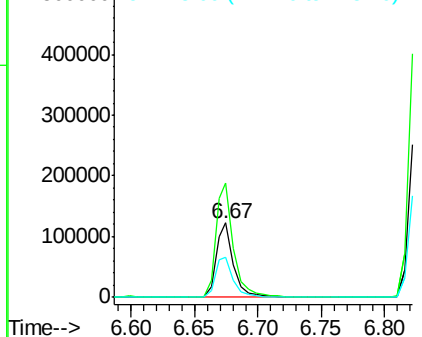
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118233
Ion Ratio Lower Upper
152 100
150 154.1 124.7 187.1
115 53.9 46.0 69.0



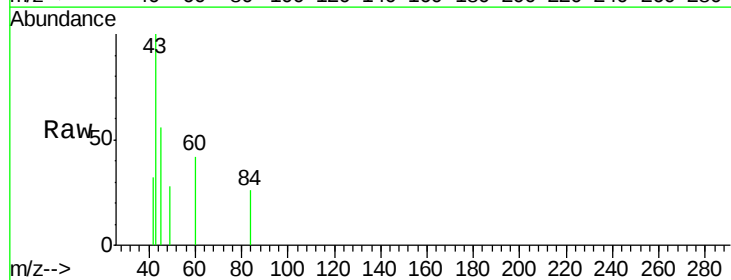
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



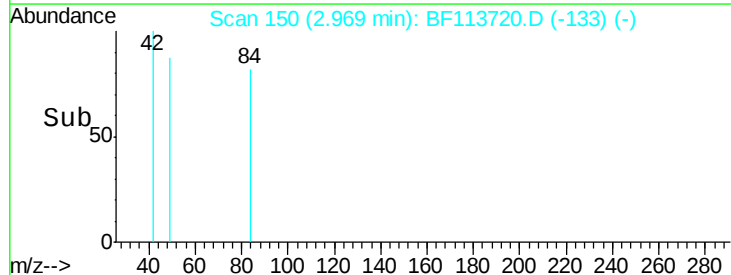
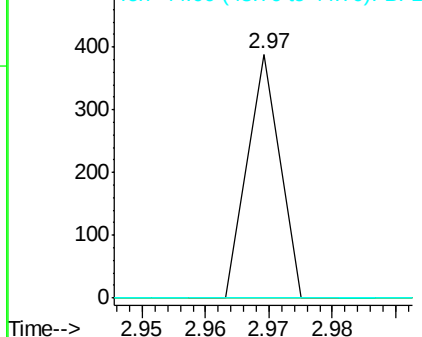
#4

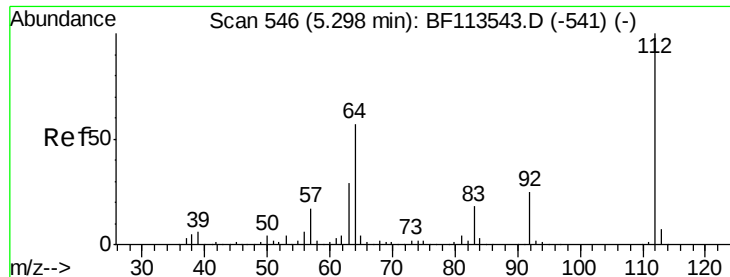
n-Nitrosodimethylamine
Concen: 0.038 ng
RT: 2.97 min Scan# 150
Delta R.T. 0.00 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
74 0.0 102.4 153.6#
44 0.0 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 105.442 ng

RT: 5.30 min Scan# 546

Delta R.T. 0.00 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

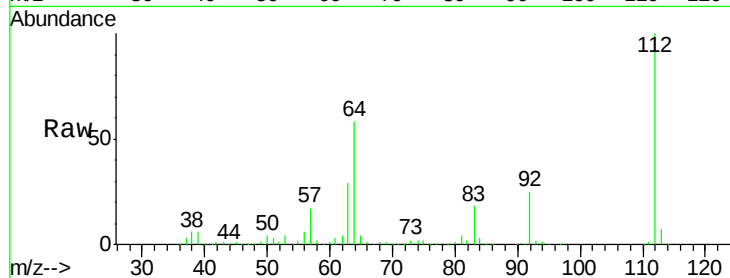
Tot Ion:112 Resp: 731089

Ion Ratio Lower Upper

112 100

64 57.8 49.2 73.8

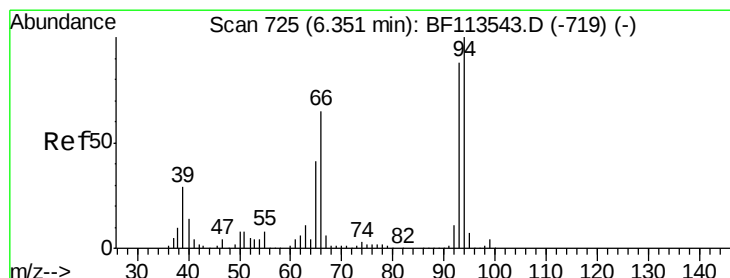
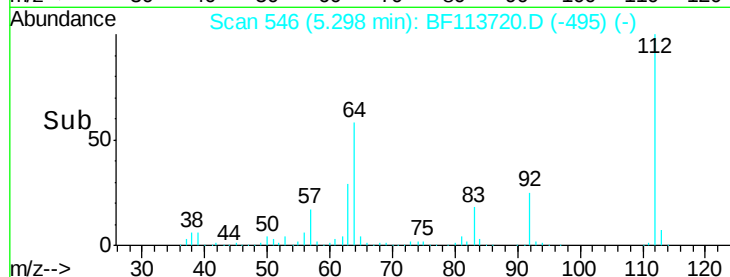
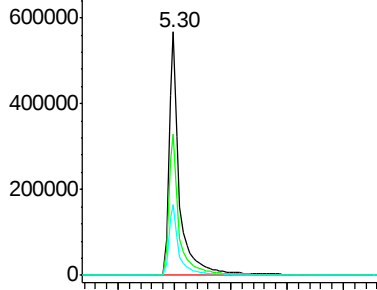
63 29.0 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.096 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.10 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

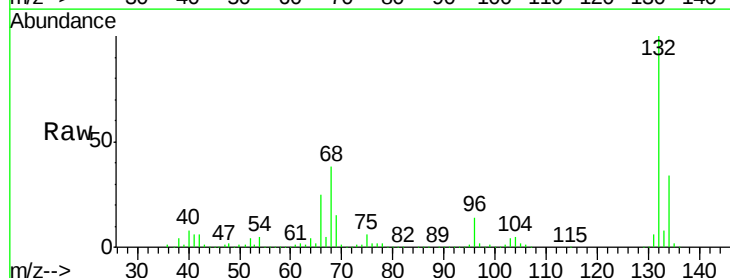
Tgt Ion: 93 Resp: 999

Ion Ratio Lower Upper

93 100

66 19131.0 62.1 93.1#

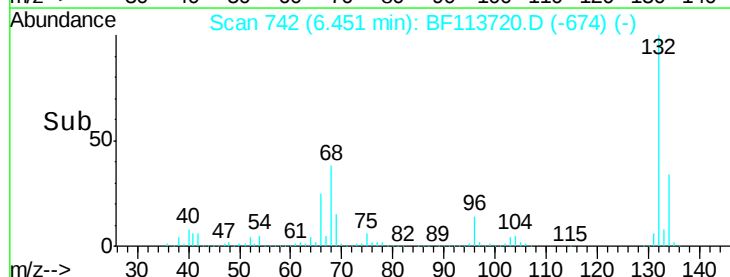
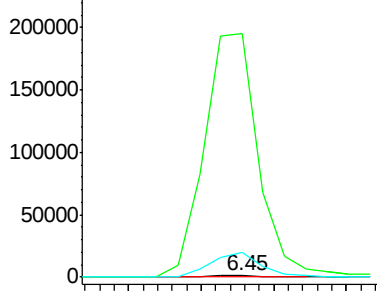
65 1926.3 38.7 58.1#

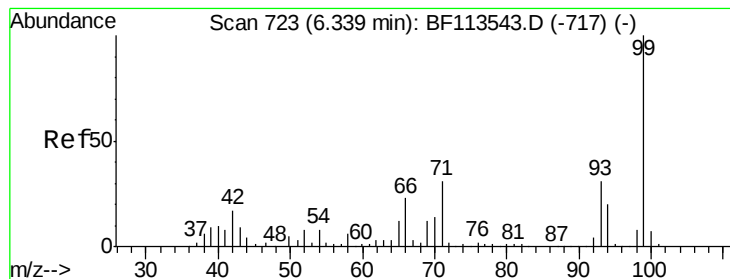


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 100.794 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampled :

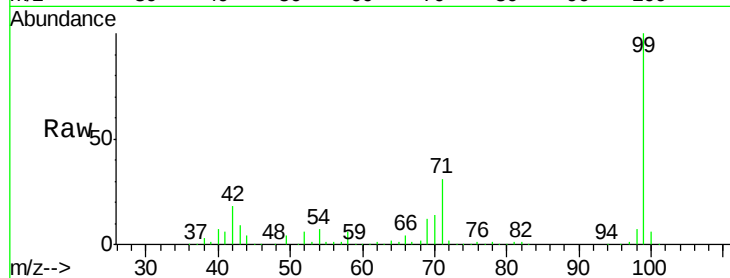
Tot Ion: 99 Resp: 861346

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

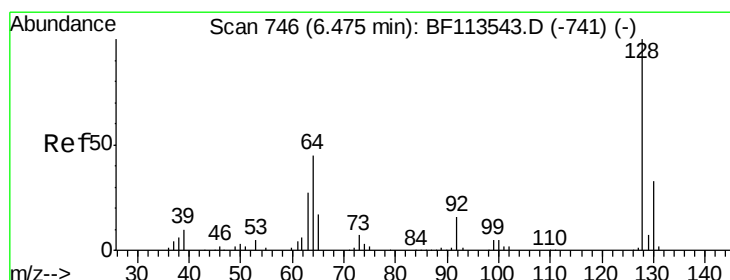
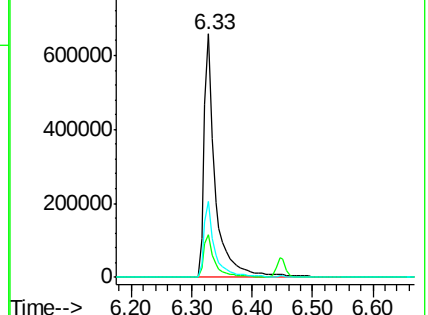
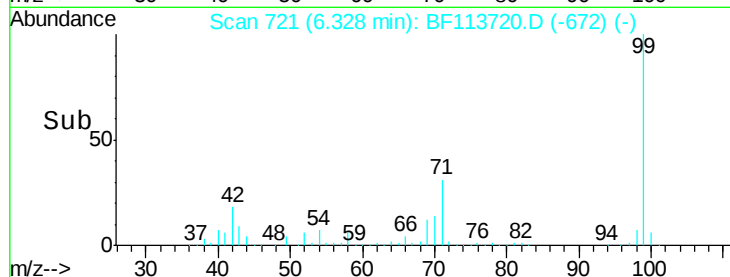
71 31.1 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.014 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

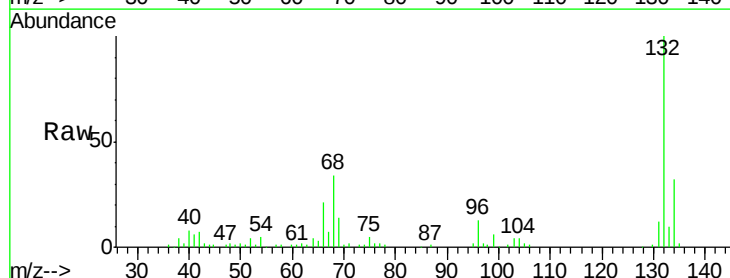
Tgt Ion: 128 Resp: 110

Ion Ratio Lower Upper

128 100

130 196.2 12.6 52.6#

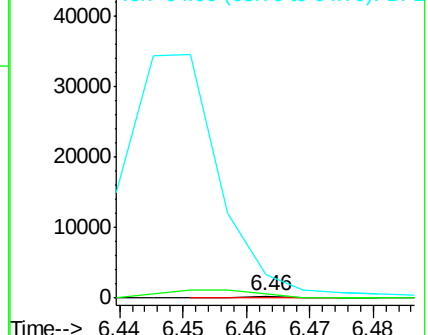
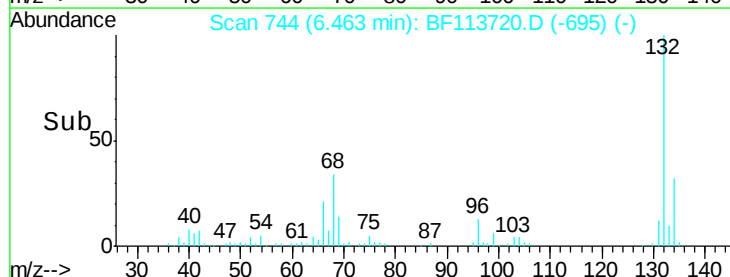
64 1072.5 29.4 69.4#

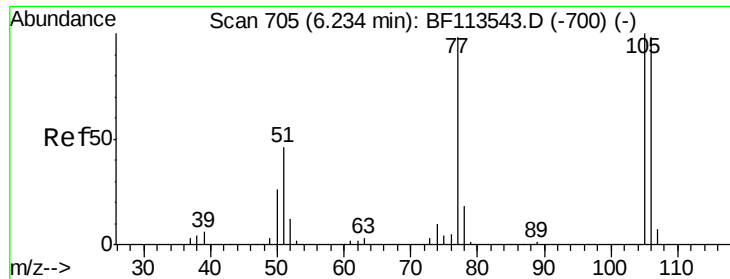


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

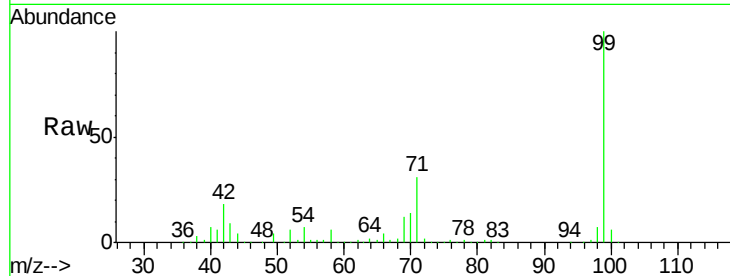




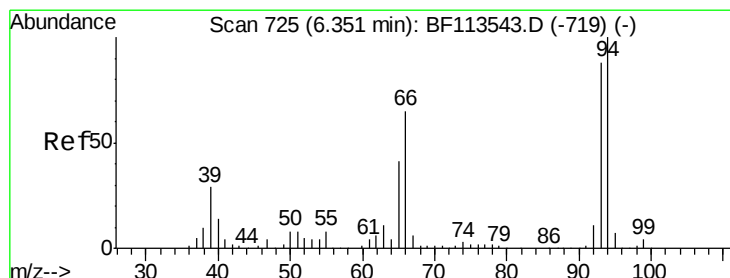
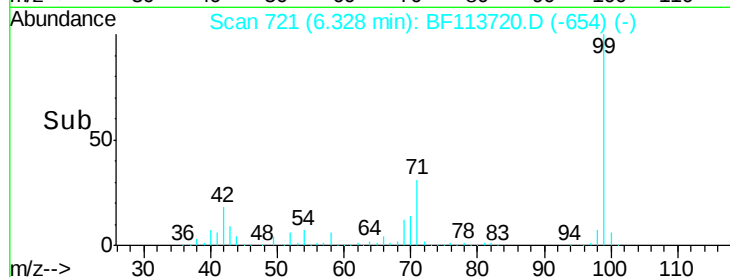
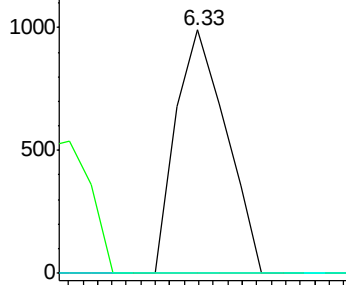
#9
Benzaldehyde
Concen: 0.188 ng
RT: 6.33 min Scan# 721
Delta R.T. 0.09 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 956
Ion Ratio Lower Upper
77 100
105 0.0 80.9 120.9#
106 0.0 77.8 117.8#

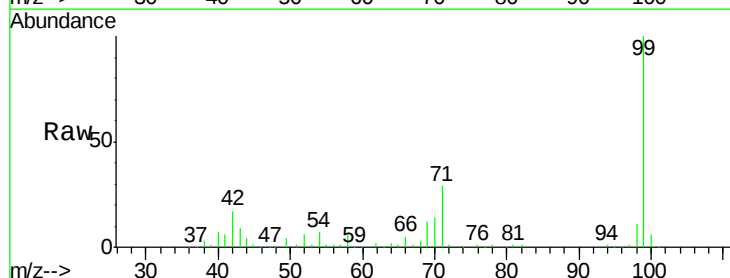


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

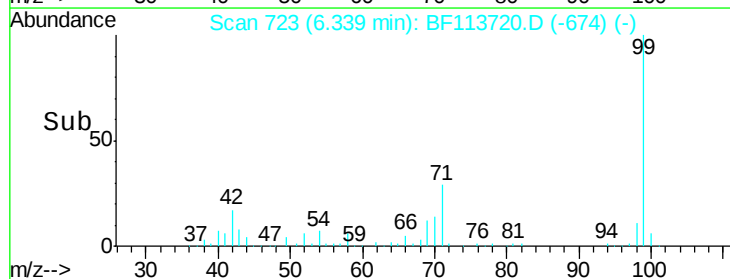
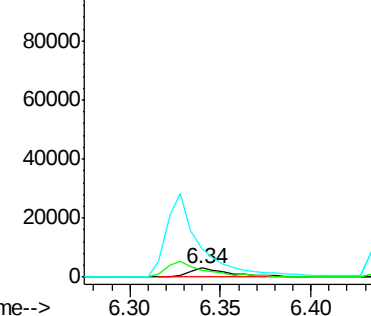


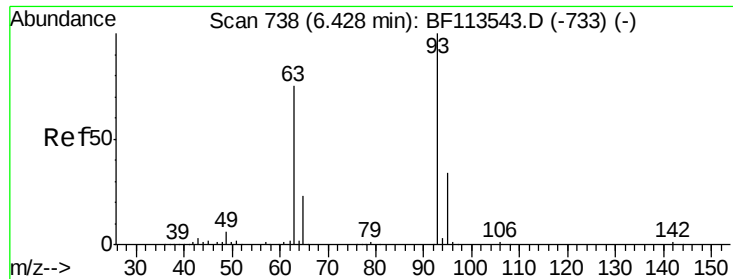
#10
Phenol
Concen: 0.471 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion: 94 Resp: 4597
Ion Ratio Lower Upper
94 100
65 77.5 21.4 61.4#
66 315.7 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

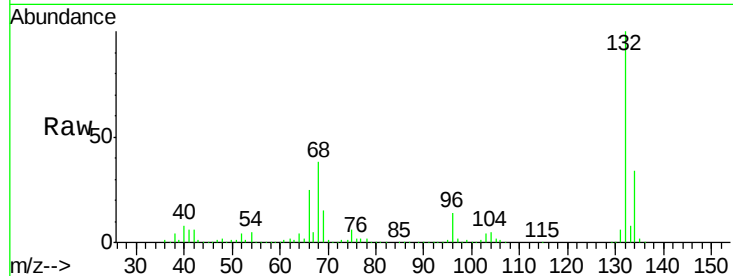




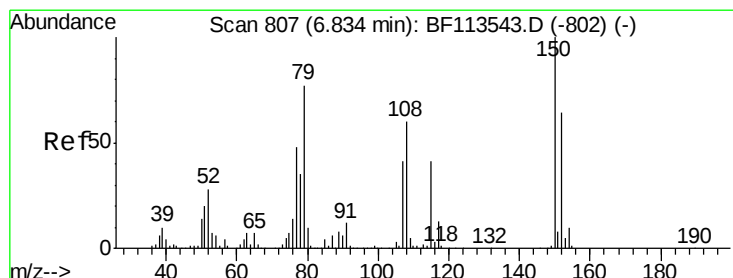
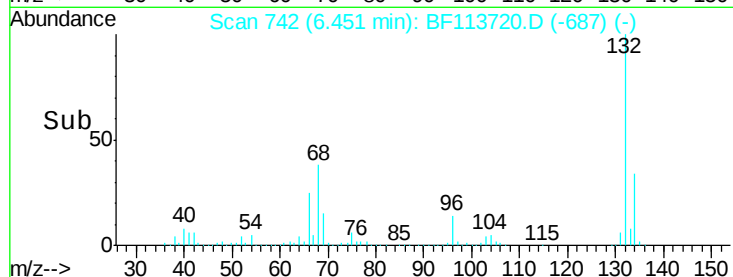
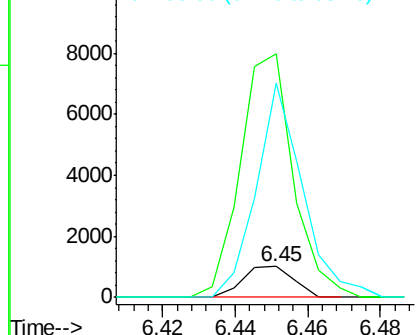
#11
bis(2-Chloroethyl)ether
Concen: 0.132 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 999
Ion Ratio Lower Upper
93 100
63 782.6 56.1 96.1#
95 689.7 12.8 52.8#

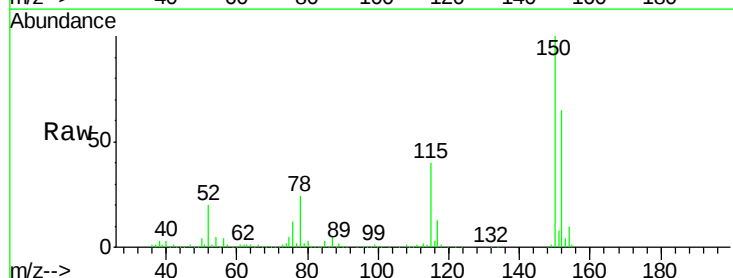


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

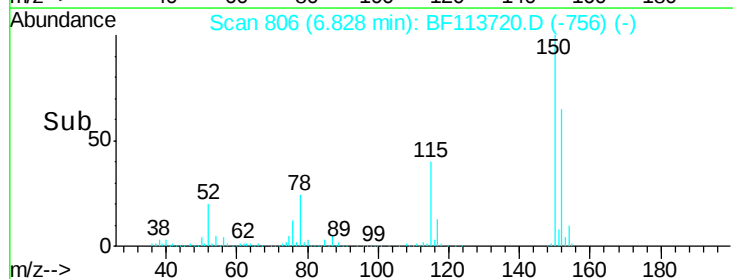
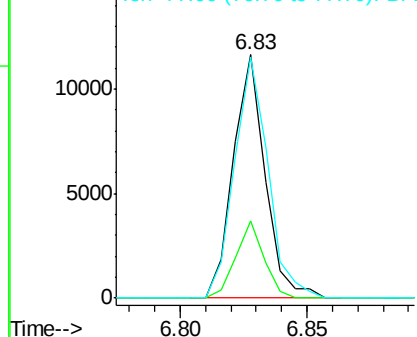


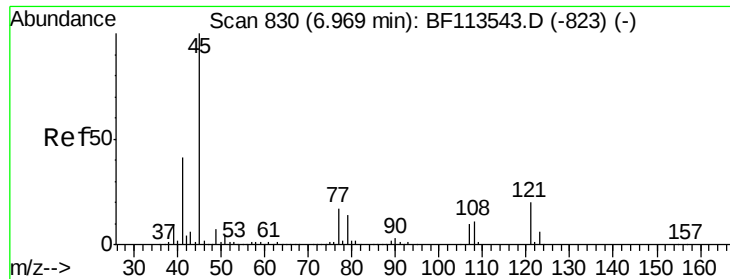
#15
Benzyl Alcohol
Concen: 1.753 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion: 79 Resp: 10128
Ion Ratio Lower Upper
79 100
108 31.9 62.0 93.0#
77 99.3 49.9 74.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

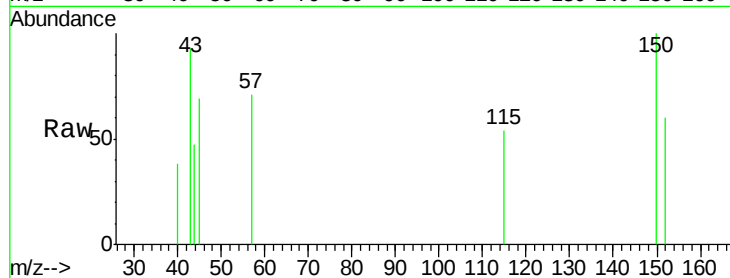




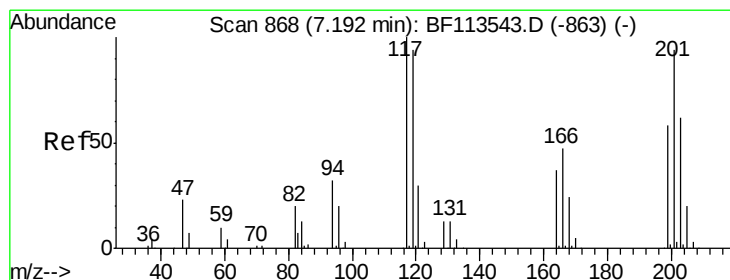
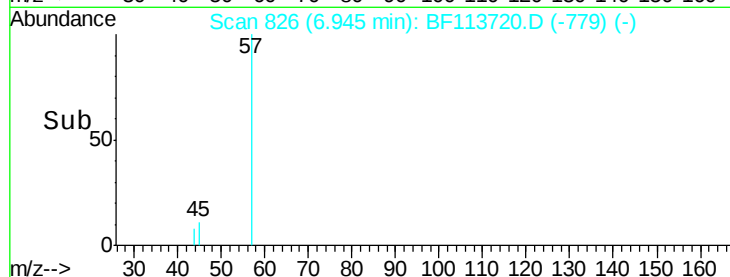
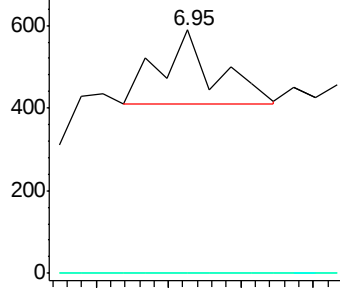
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.016 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 45 Resp: 185
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.6
79 0.0 0.0 34.0

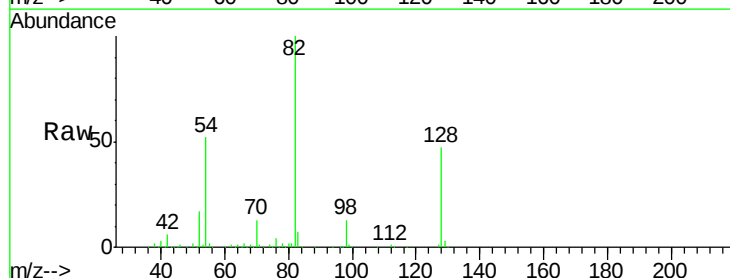


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

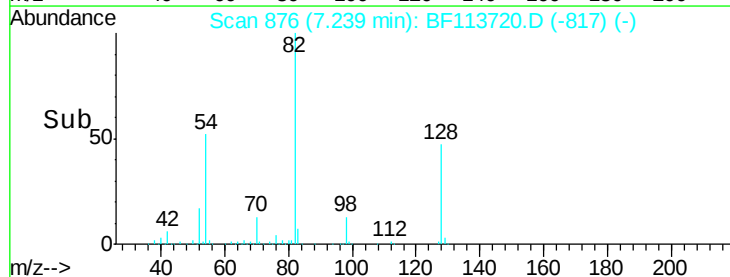
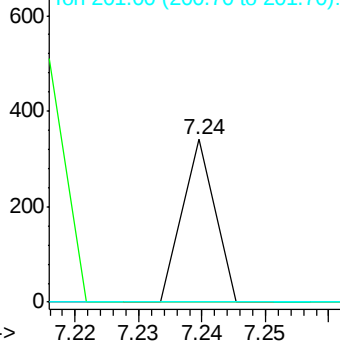


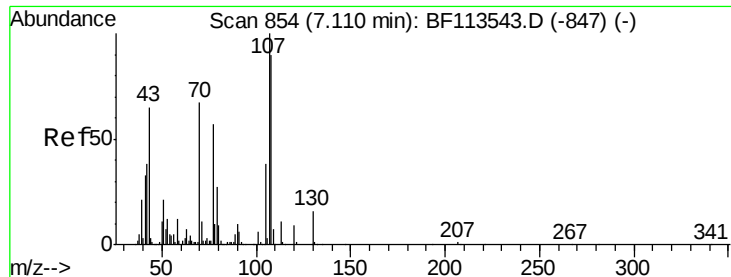
#18
Hexachloroethane
Concen: 0.038 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.05 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion: 117 Resp: 120
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
201 0.0 78.7 118.1#



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: 16.453 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

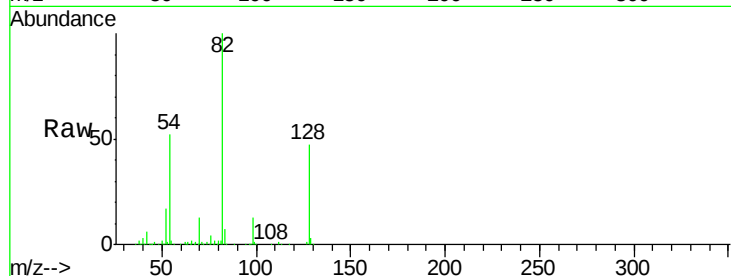
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 86700

Ion Ratio Lower Upper

70	100		
42	49.3	48.4	72.6
101	0.0	7.8	11.8#
130	2.3	18.2	27.4#



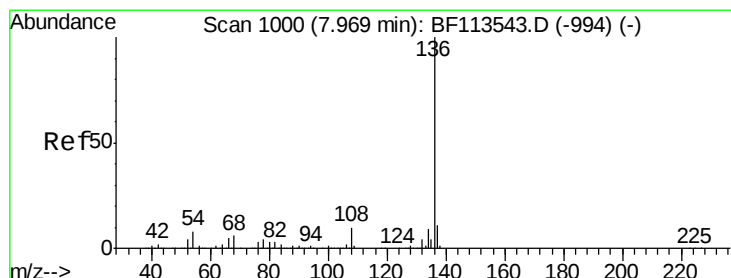
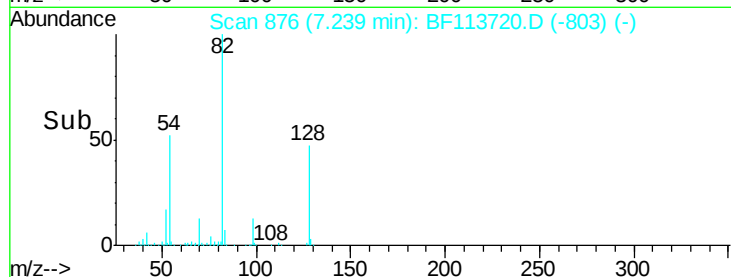
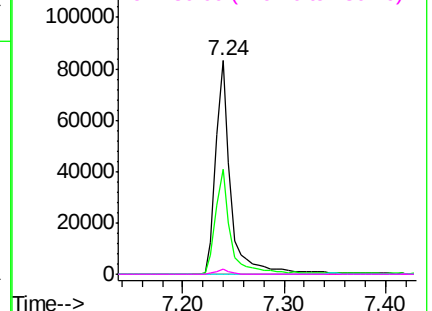
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

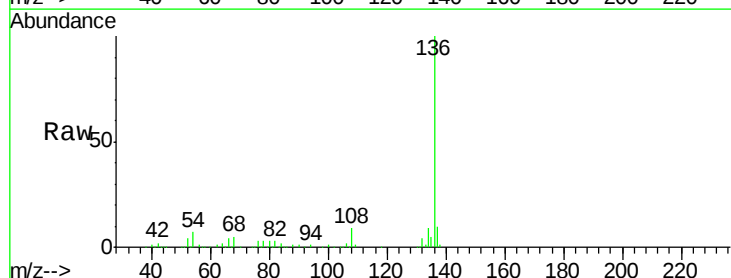
Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Tgt Ion: 136 Resp: 444359

Ion Ratio Lower Upper

136	100		
137	10.2	8.9	13.3
54	7.3	7.0	10.6
68	5.3	4.8	7.2



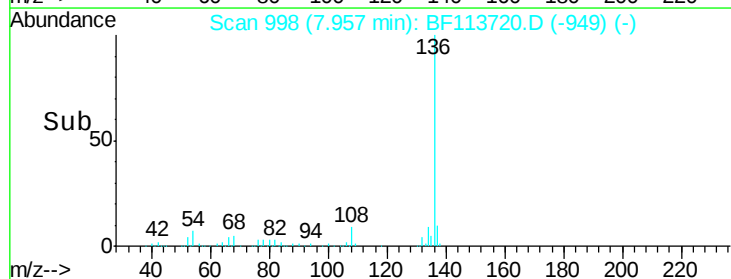
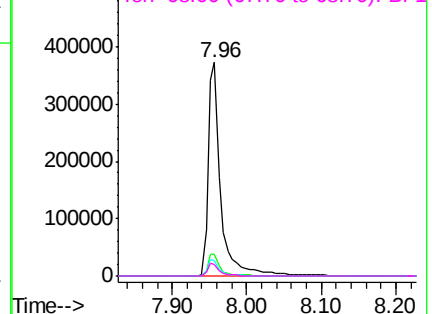
Abundance

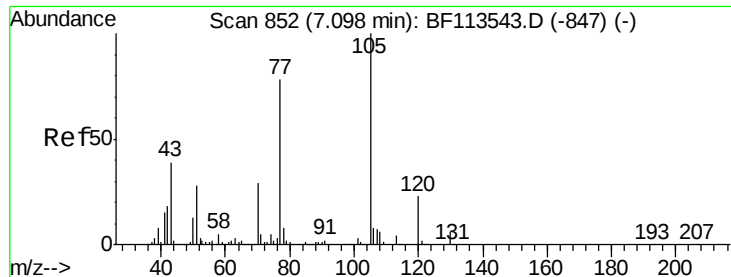
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

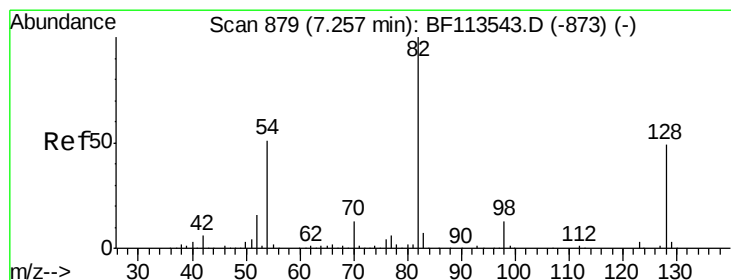
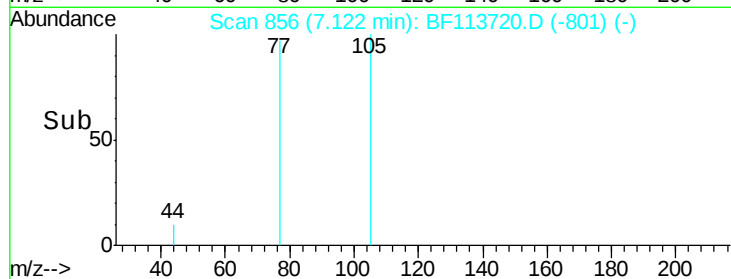
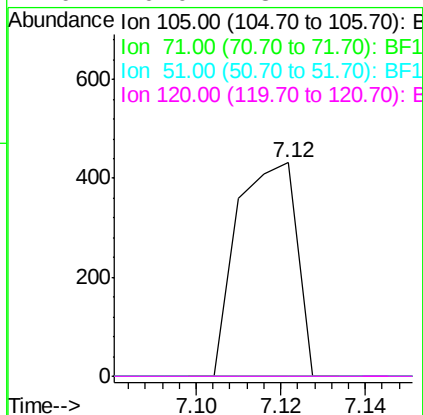
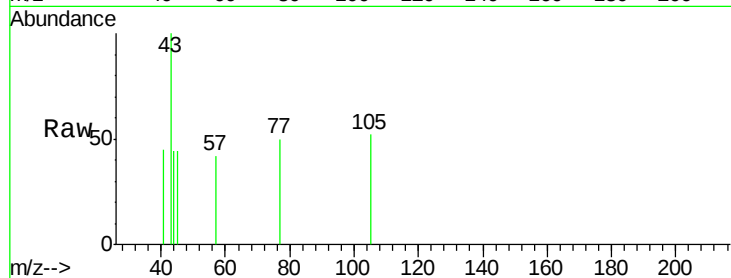




#22
Acetophenone
Concen: 0.043 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

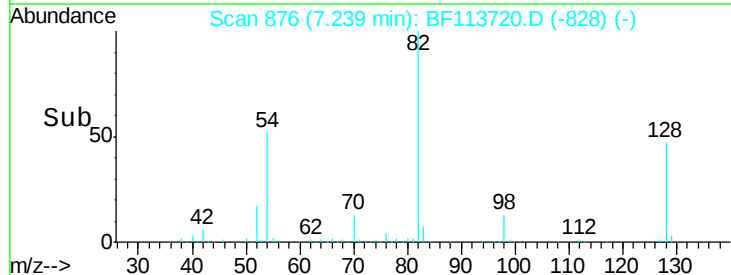
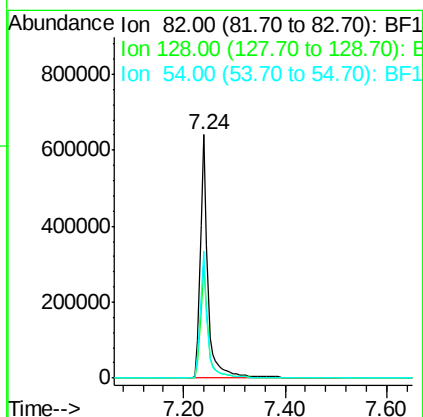
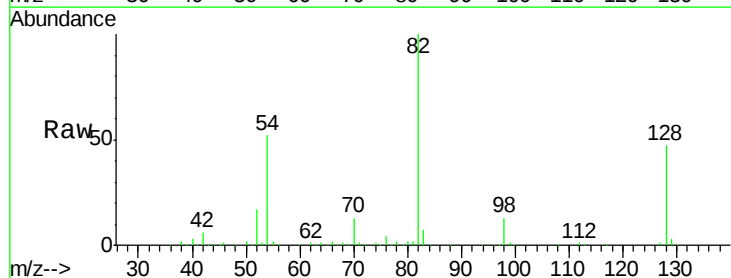
Instrument :
BNA_F
ClientSampleId :

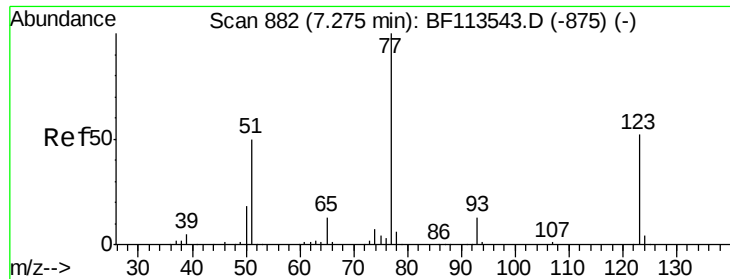
Tot Ion:105 Resp: 424
Ion Ratio Lower Upper
105 100
71 0.0 3.3 4.9#
51 0.0 24.2 36.2#
120 0.0 18.1 27.1#



#23
Nitrobenzene-d5
Concen: 89.514 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion: 82 Resp: 679063
Ion Ratio Lower Upper
82 100
128 46.6 36.5 54.7
54 52.3 42.2 63.2





#24

Nitrobenzene

Concen: 0.215 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampled :

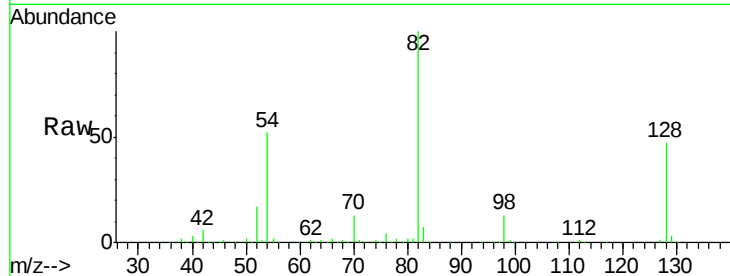
Tot Ion: 77 Resp: 1681

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

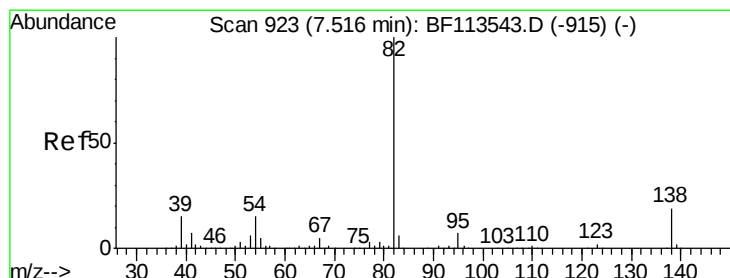
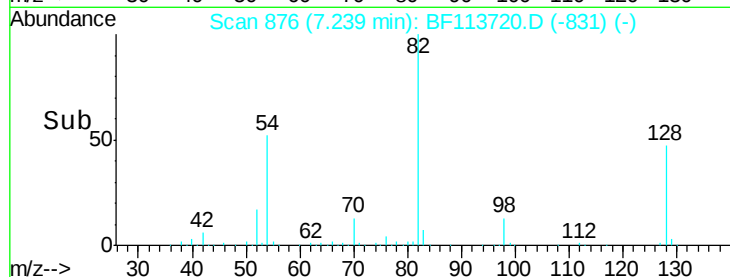
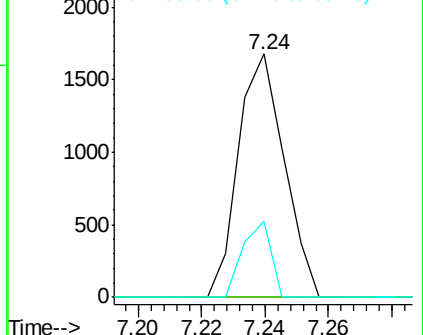
65 31.3 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 46.468 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

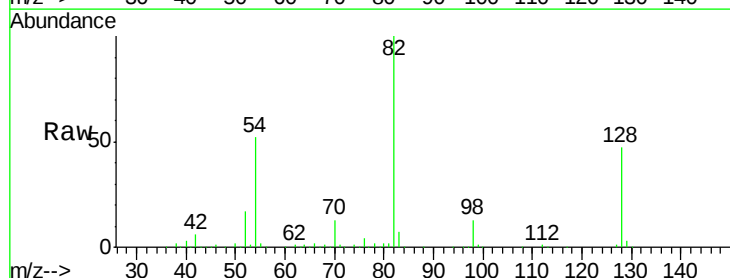
Tgt Ion: 82 Resp: 679060

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

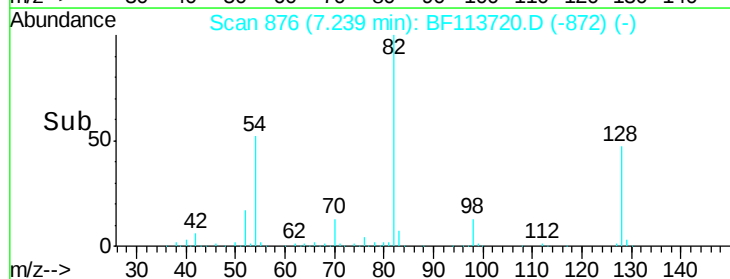
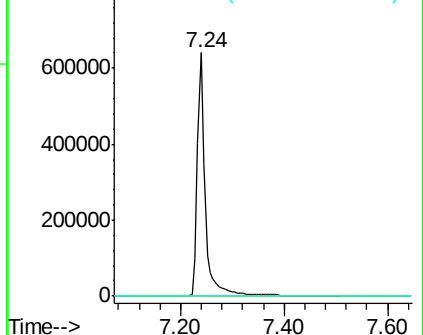
138 0.0 15.2 22.8#

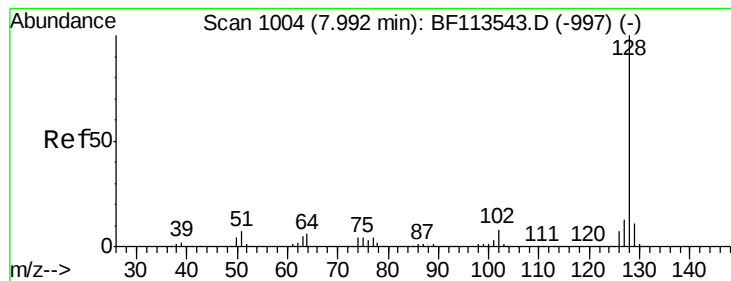


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

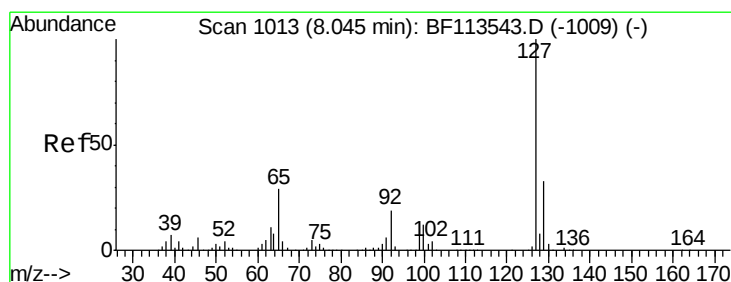
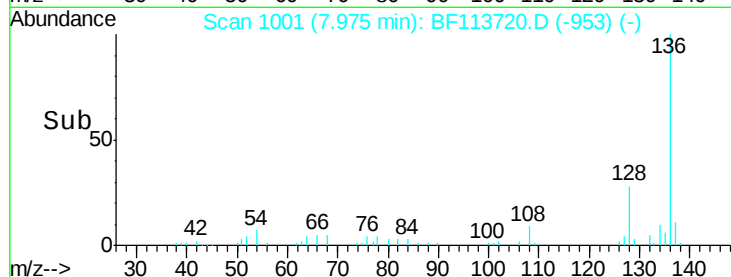
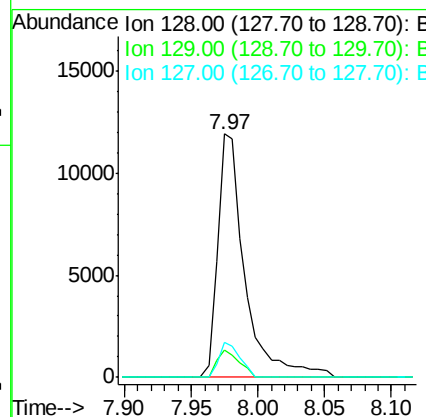
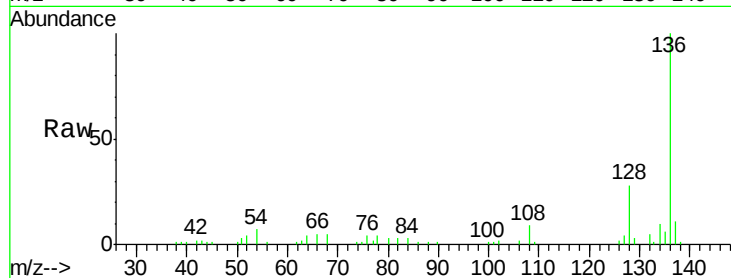




#31
Naphthalene
Concen: 0.791 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

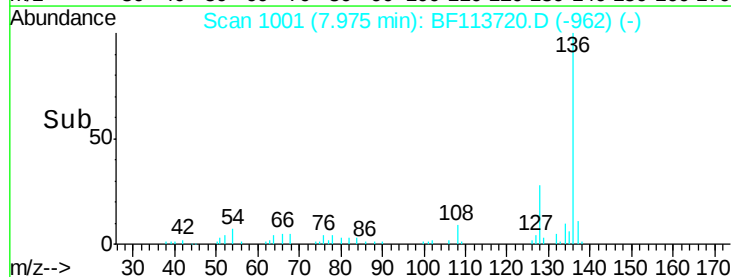
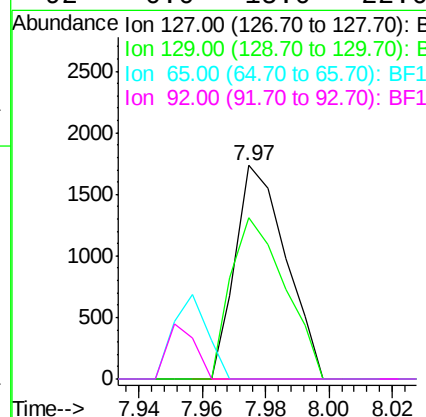
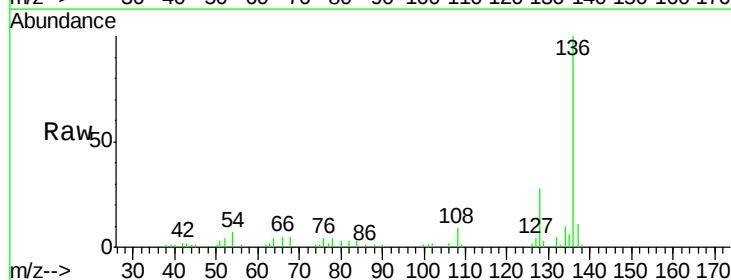
Instrument :
BNA_F
ClientSampleId :

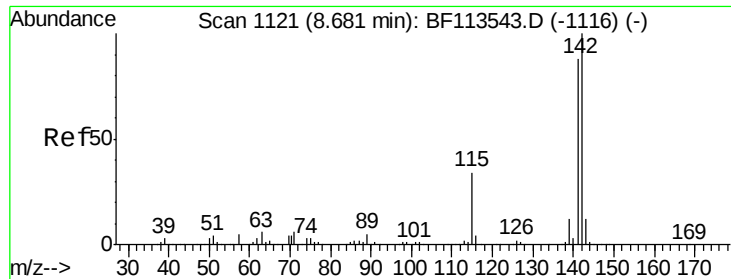
Tot Ion:128 Resp: 17032
Ion Ratio Lower Upper
128 100
129 11.0 9.3 13.9
127 14.6 10.9 16.3



#33
4-Chloroaniline
Concen: 0.225 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.07 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:127 Resp: 1922
Ion Ratio Lower Upper
127 100
129 75.7 26.3 39.5#
65 0.0 24.2 36.4#
92 0.0 15.0 22.6#

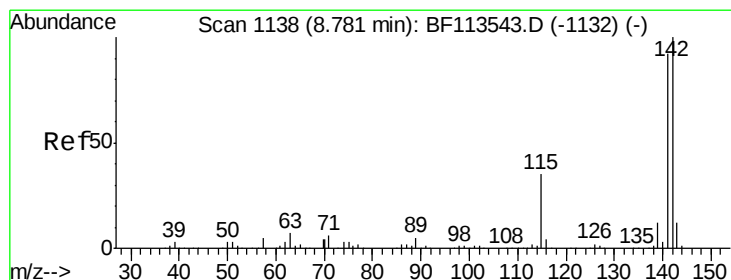
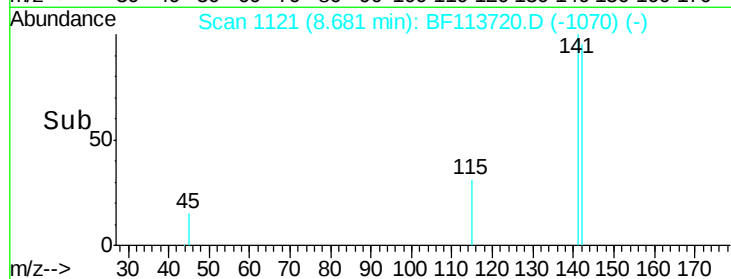
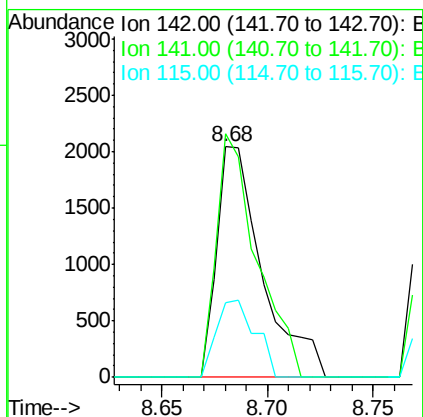
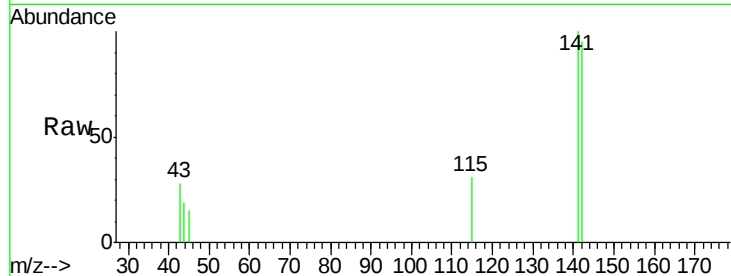




#37
2-Methylnaphthalene
Concen: 0.217 ng
RT: 8.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

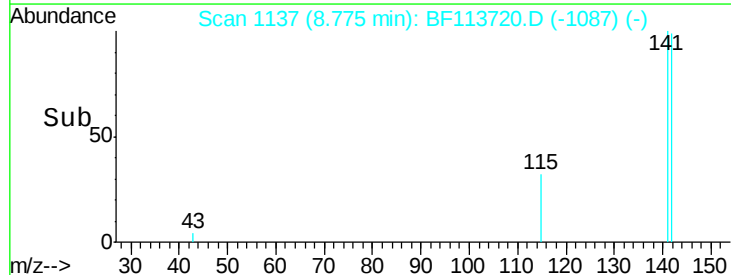
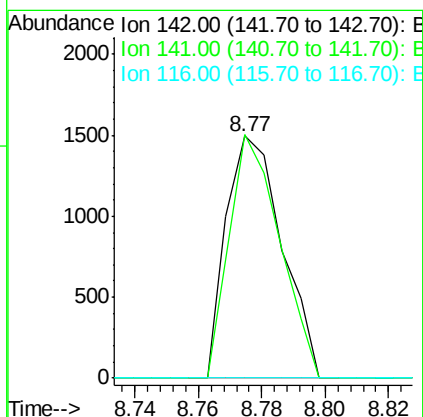
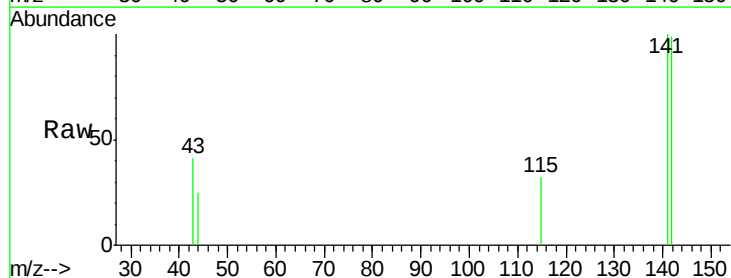
Instrument :
BNA_F
ClientSampleId :

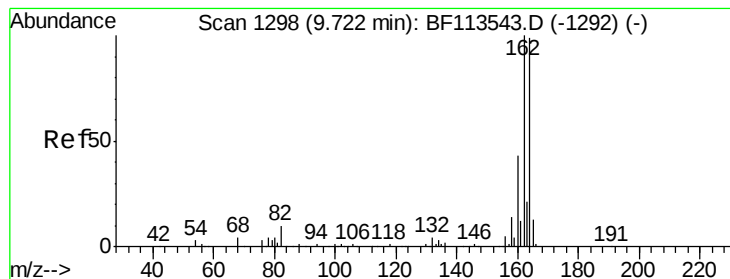
Tot Ion:142 Resp: 3072
Ion Ratio Lower Upper
142 100
141 105.7 71.0 106.6
115 32.4 26.6 39.8



#38
1-Methylnaphthalene
Concen: 0.133 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:142 Resp: 1819
Ion Ratio Lower Upper
142 100
141 100.7 73.2 109.8
116 0.0 3.0 4.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

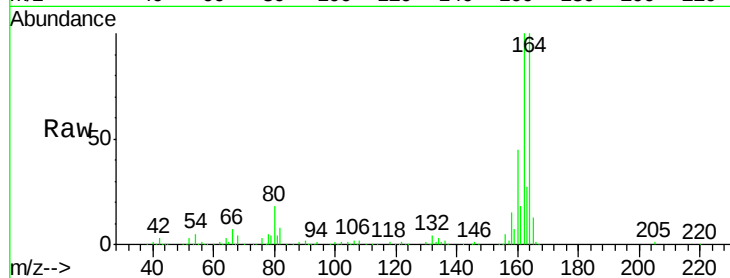
Tot Ion:164 Resp: 213818

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.6

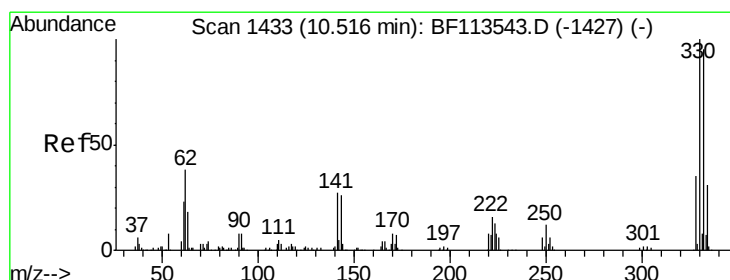
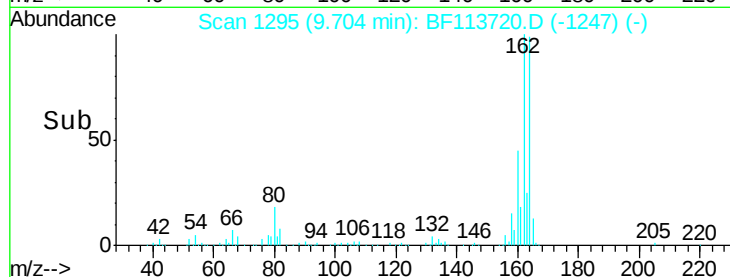
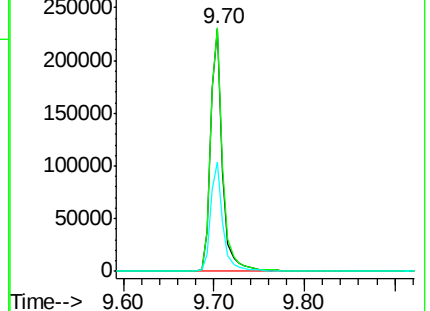
160 44.9 36.4 54.6



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



#42

2,4,6-Tribromophenol

Concen: 127.121 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

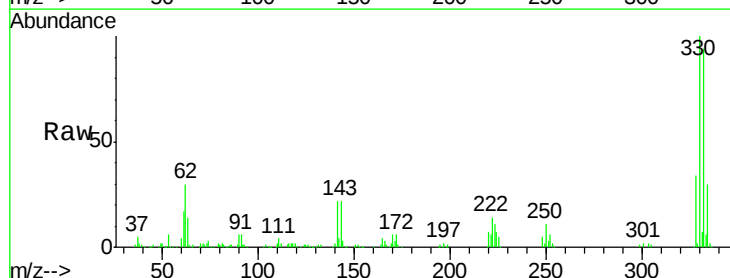
Tgt Ion:330 Resp: 326507

Ion Ratio Lower Upper

330 100

332 95.7 77.8 116.6

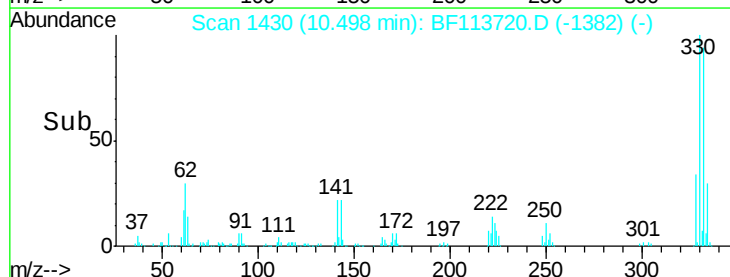
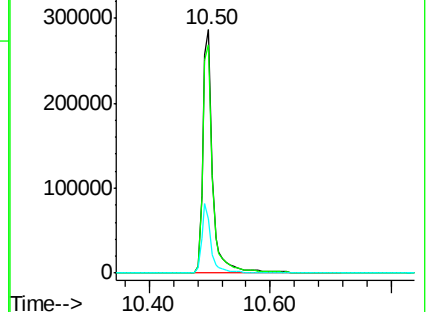
141 27.6 22.7 34.1

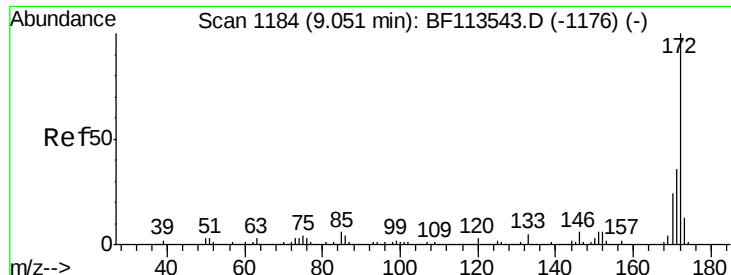


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

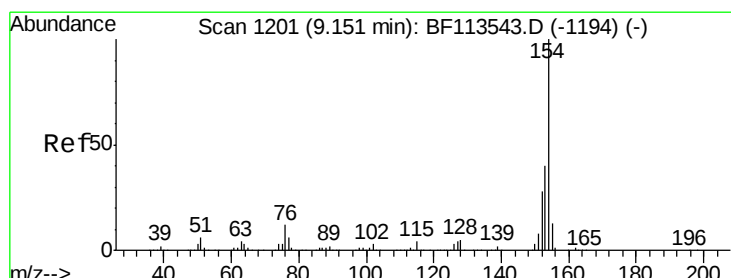
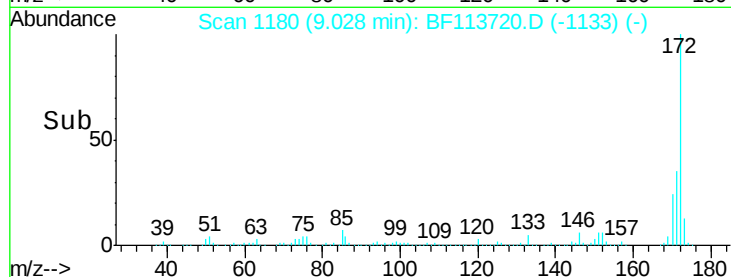
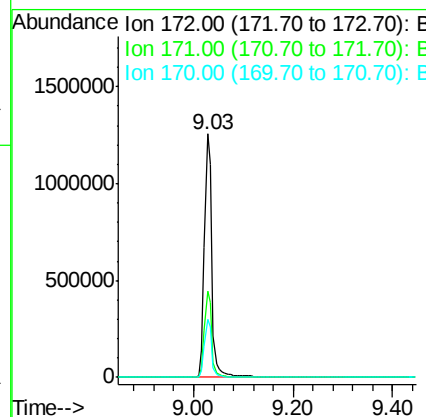
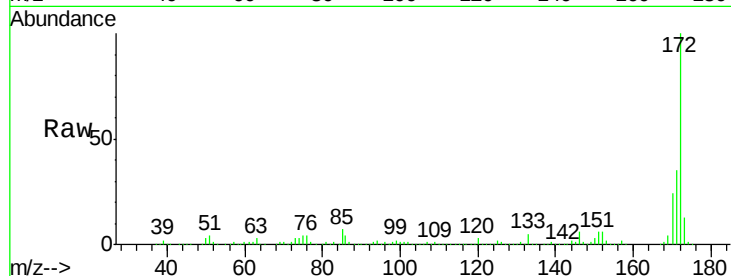




#45
 2-Fluorobiphenyl
 Concen: 97.549 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113720.D
 Acq: 11 Apr 2019 15:09

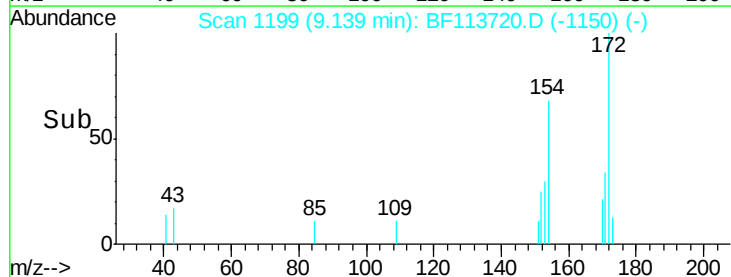
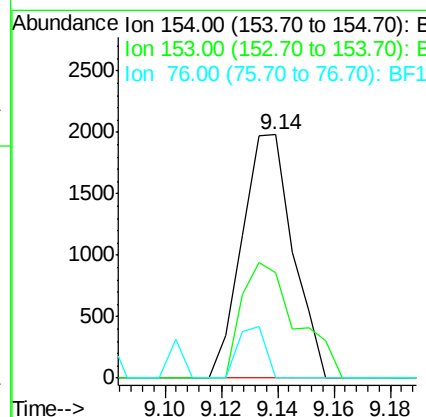
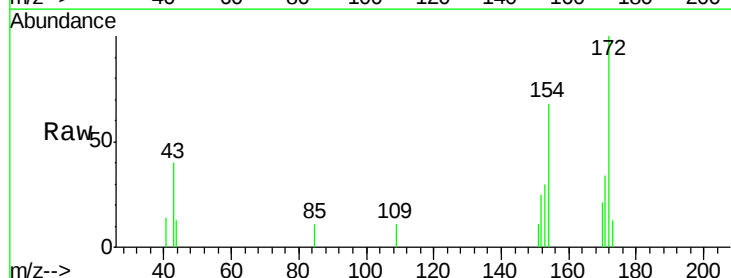
Instrument :
 BNA_F
 ClientSampleId :

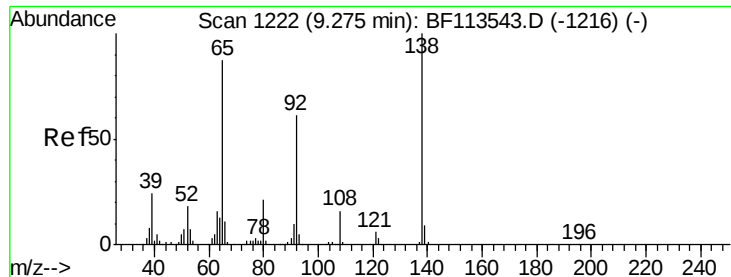
Tot Ion:172 Resp: 1295600
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.6
 170 24.1 19.5 29.3



#46
 1,1'-Biphenyl
 Concen: 0.141 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF113720.D
 Acq: 11 Apr 2019 15:09

Tgt Ion:154 Resp: 2480
 Ion Ratio Lower Upper
 154 100
 153 43.4 20.8 60.8
 76 0.0 0.0 31.9

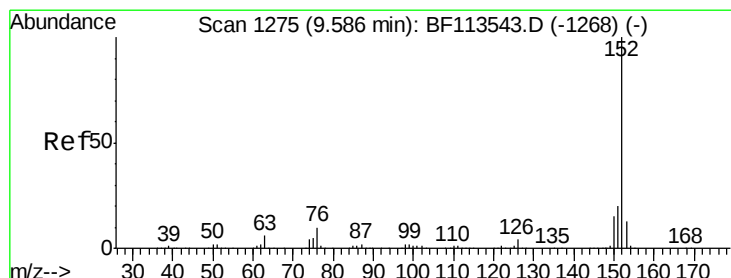
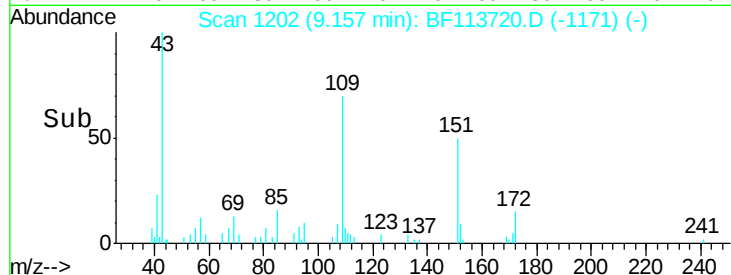
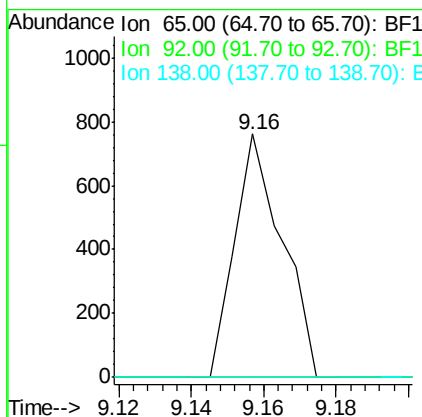
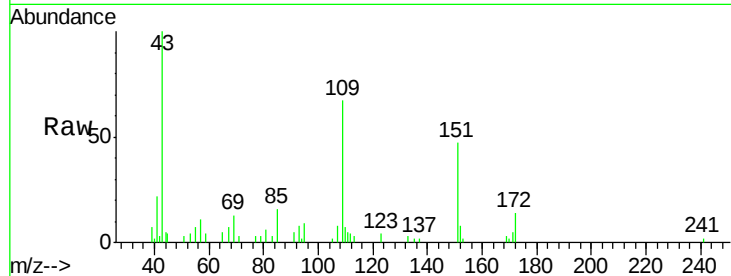




#48
 2-Nitroaniline
 Concen: 0.169 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.12 min
 Lab File: BF113720.D
 Acq: 11 Apr 2019 15:09

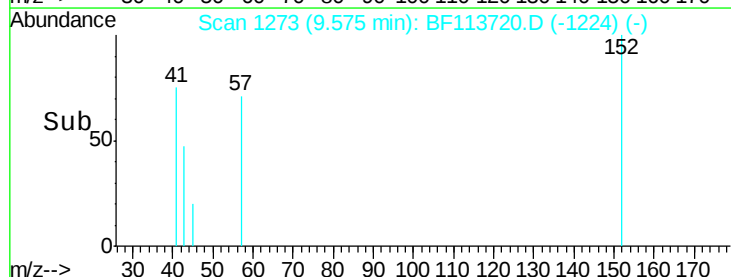
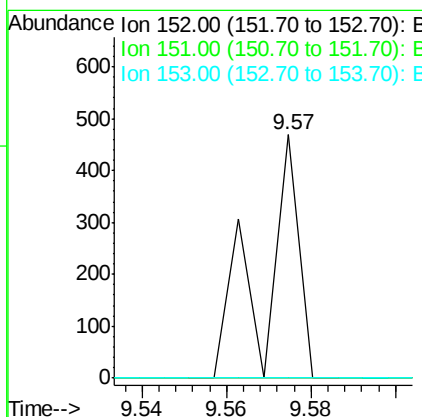
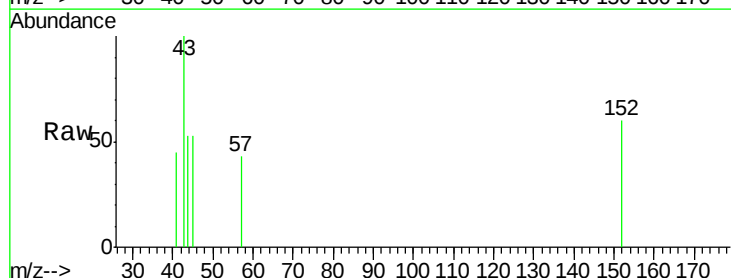
Instrument :
 BNA_F
 ClientSampleId :

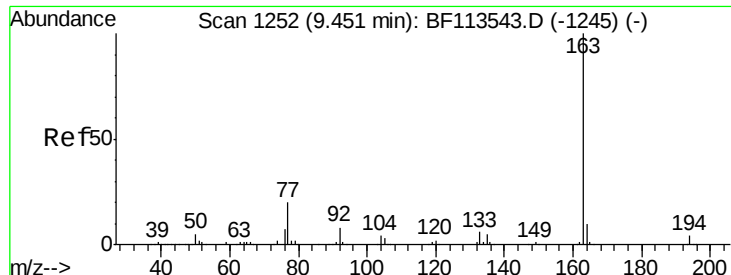
Tot Ion: 65 Resp: 691
 Ion Ratio Lower Upper
 65 100
 92 0.0 56.8 85.2#
 138 0.0 92.3 138.5#



#49
 Acenaphthylene
 Concen: 0.013 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF113720.D
 Acq: 11 Apr 2019 15:09

Tgt Ion: 152 Resp: 274
 Ion Ratio Lower Upper
 152 100
 151 0.0 16.2 24.4#
 153 0.0 11.0 16.6#

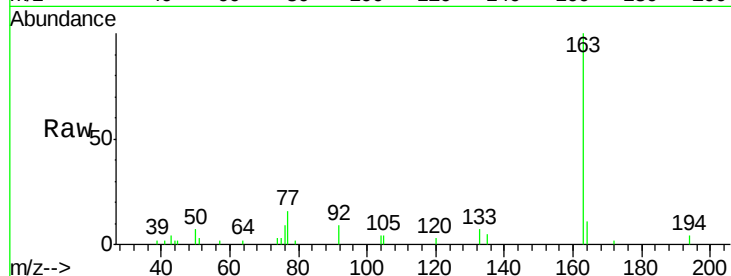




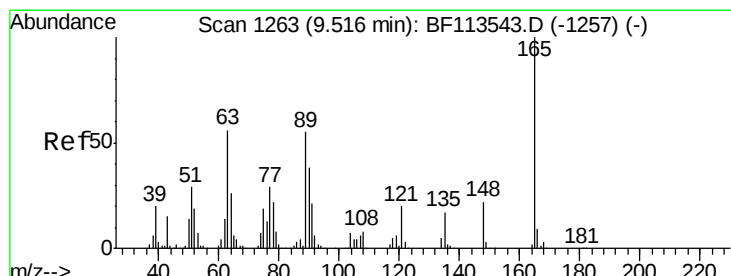
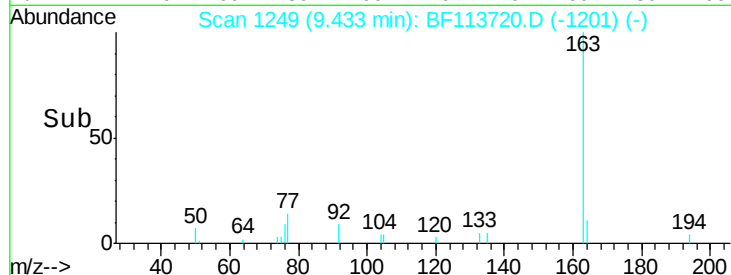
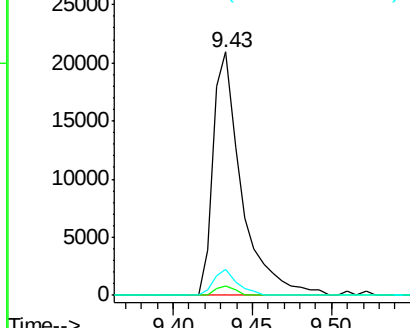
#50
Dimethylphthalate
Concen: 1.666 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 26258
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.6 8.1 12.1

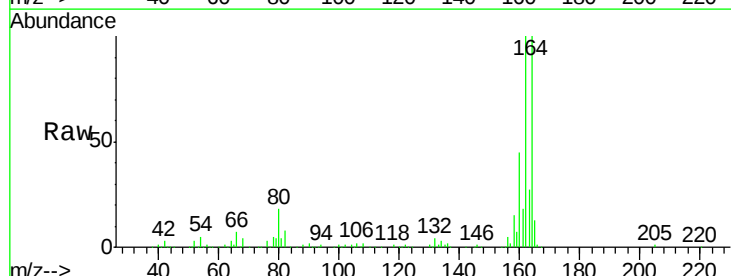


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

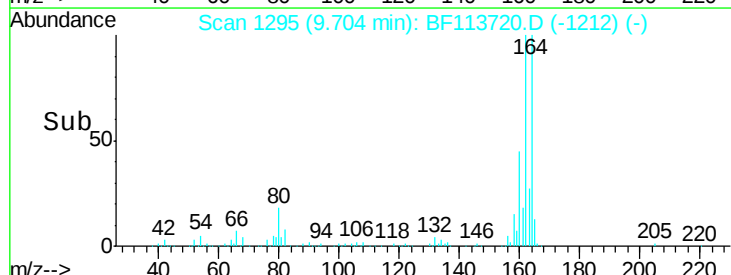
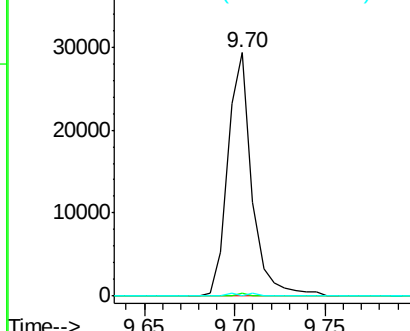


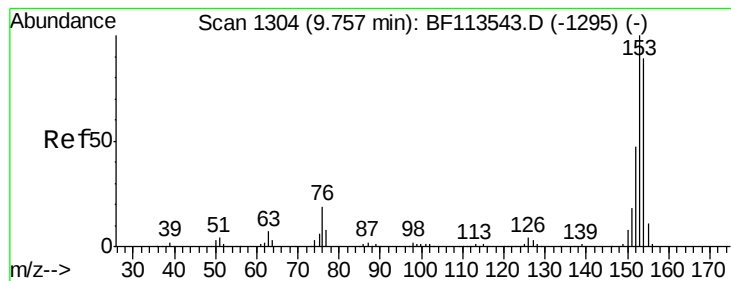
#51
2,6-Dinitrotoluene
Concen: 7.817 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.19 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:165 Resp: 27159
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.0#
89 0.0 43.1 64.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.098 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

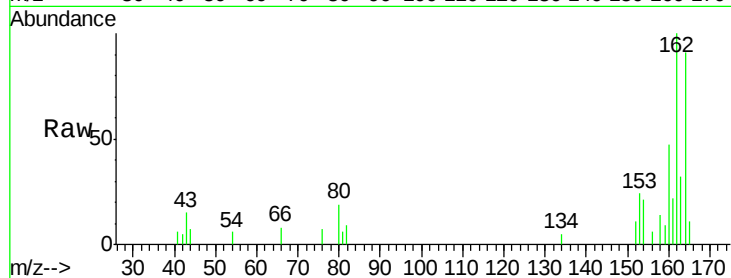
Tot Ion:154 Resp: 1215

Ion Ratio Lower Upper

154 100

153 114.8 89.5 134.3

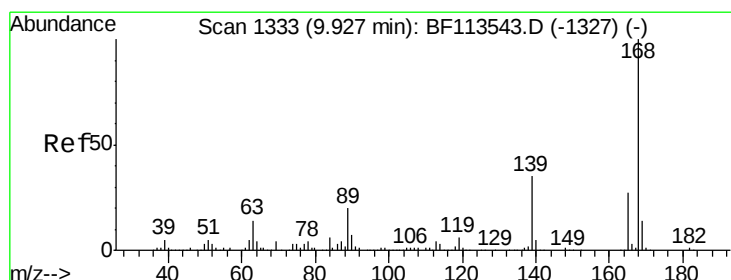
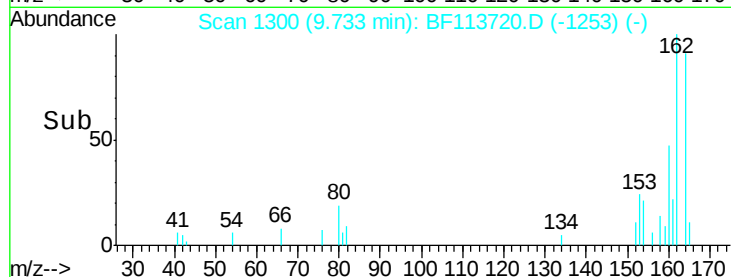
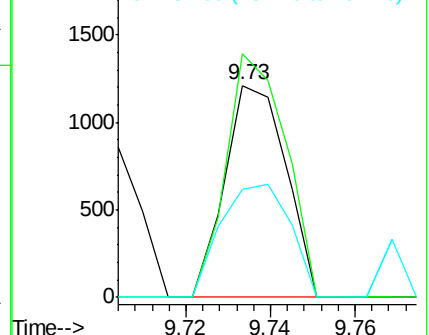
152 50.8 43.3 64.9



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



#55

Dibenzofuran

Concen: 0.066 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

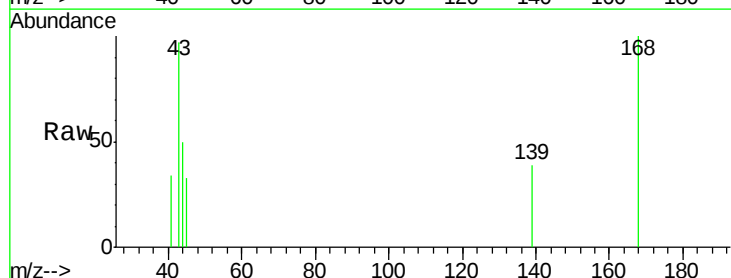
Tgt Ion:168 Resp: 1208

Ion Ratio Lower Upper

168 100

139 38.9 29.7 44.5

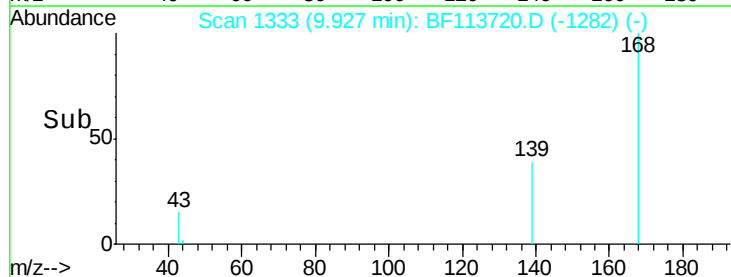
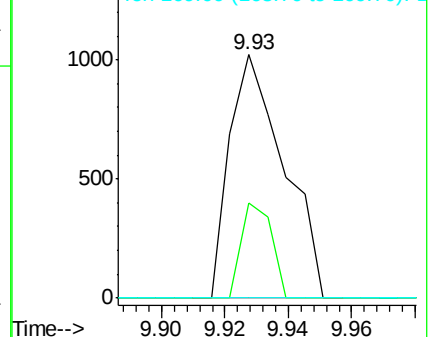
169 0.0 10.7 16.1#

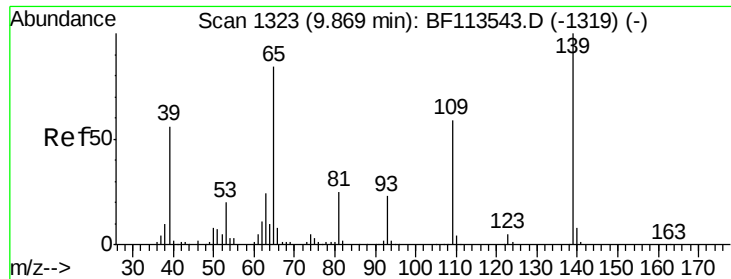


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

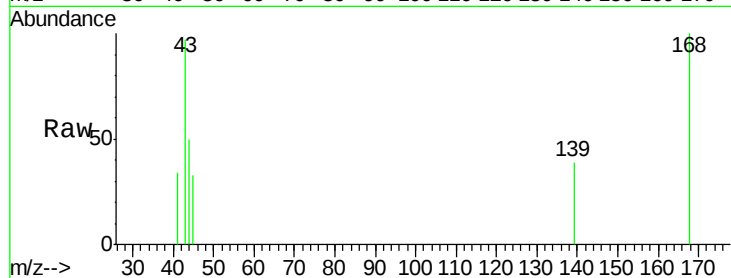




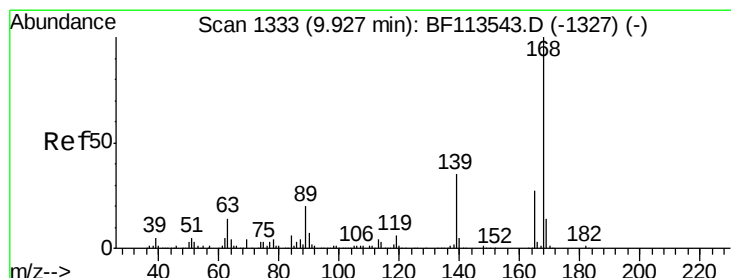
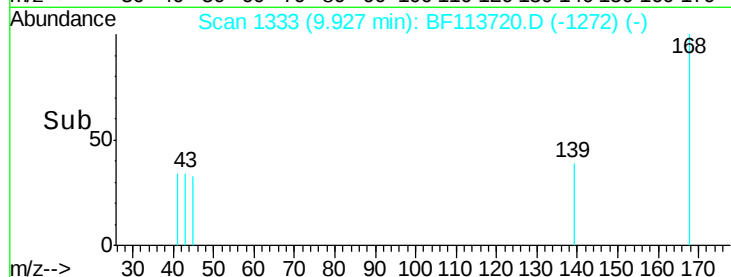
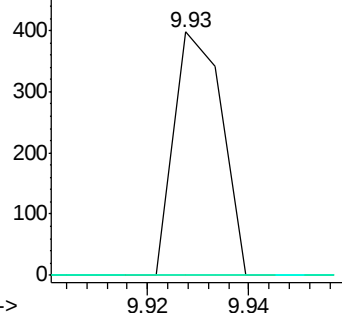
#56
4-Nitrophenol
Concen: 0.107 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 261
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#

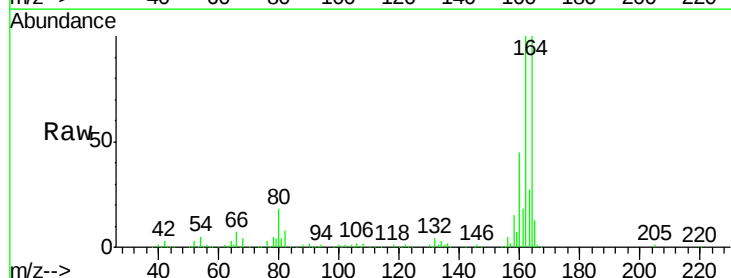


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

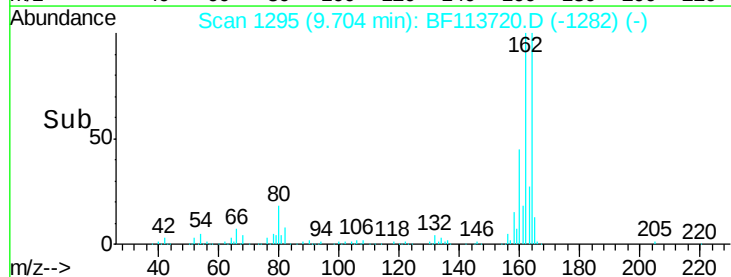
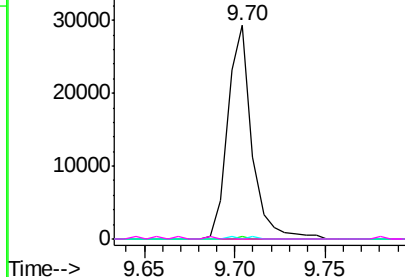


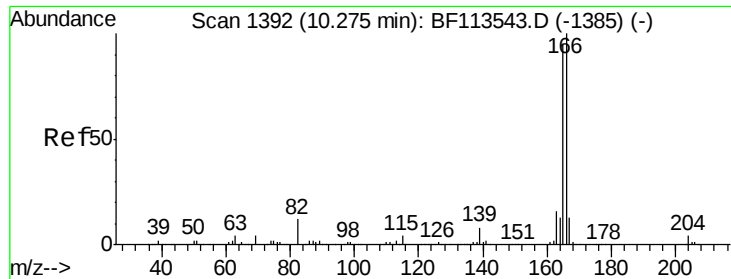
#57
2,4-Dinitrotoluene
Concen: 6.464 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.22 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:165 Resp: 27159
Ion Ratio Lower Upper
165 100
63 1.1 37.5 56.3#
89 0.0 57.4 86.2#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.065 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

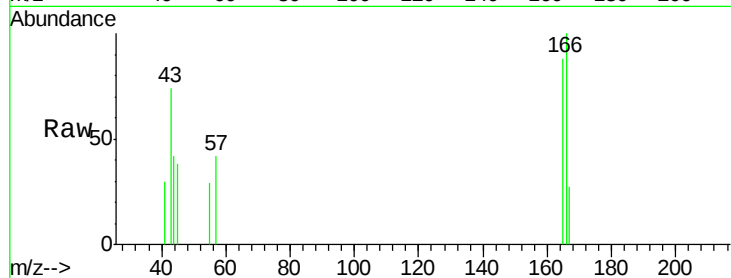
Tot Ion:166 Resp: 944

Ion Ratio Lower Upper

166 100

165 87.7 76.2 114.2

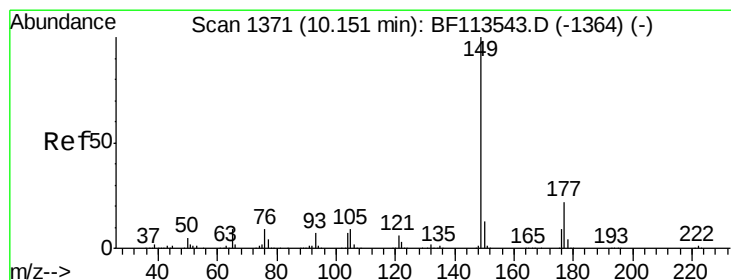
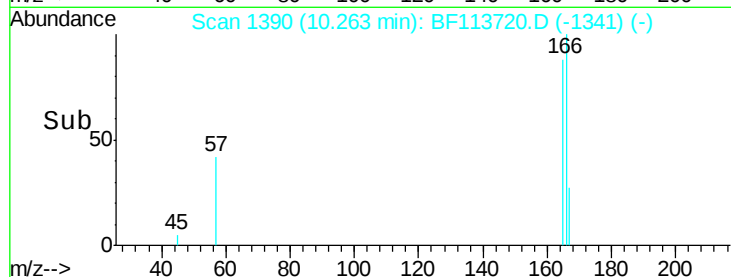
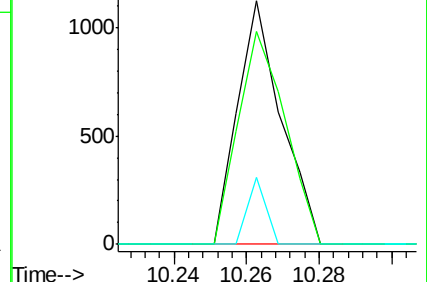
167 27.4 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.092 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

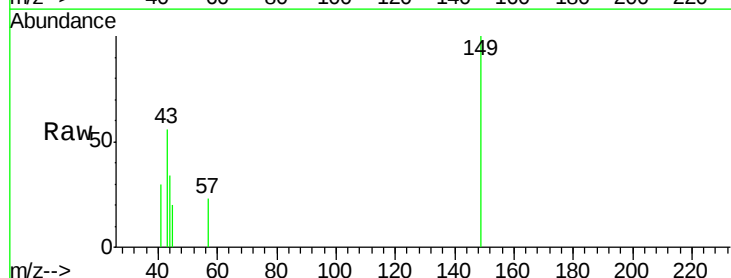
Tgt Ion:149 Resp: 1401

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

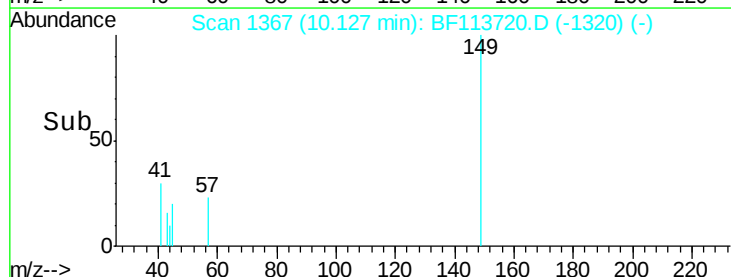
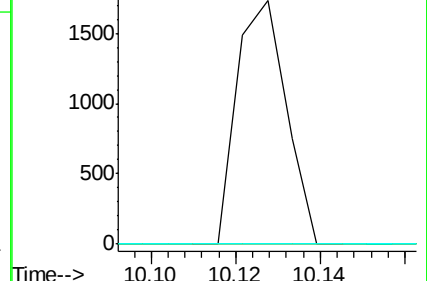
150 0.0 10.0 15.0#

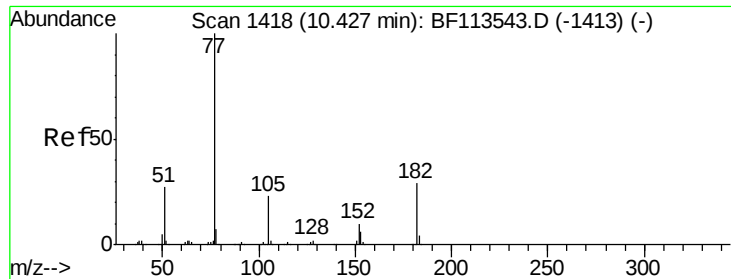


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.069 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 993

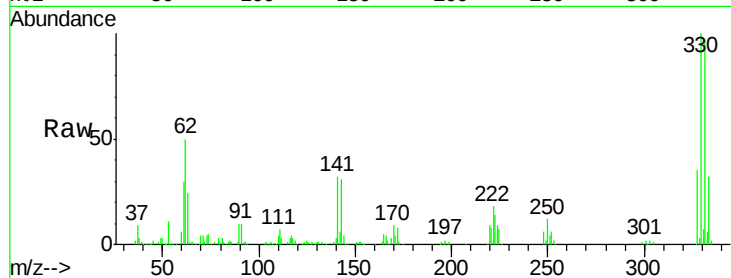
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 72.7 2.9 42.9#

51 86.1 8.8 48.8#

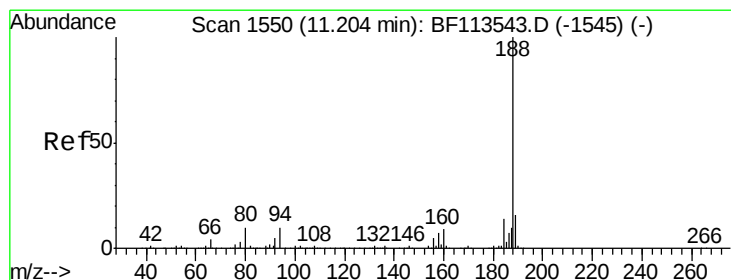
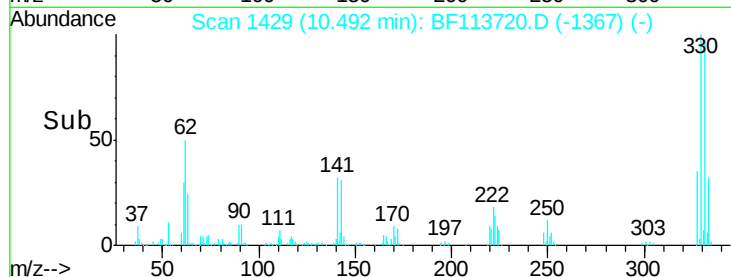
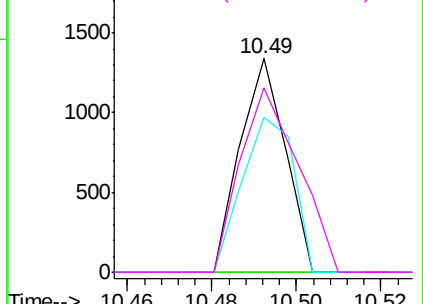


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

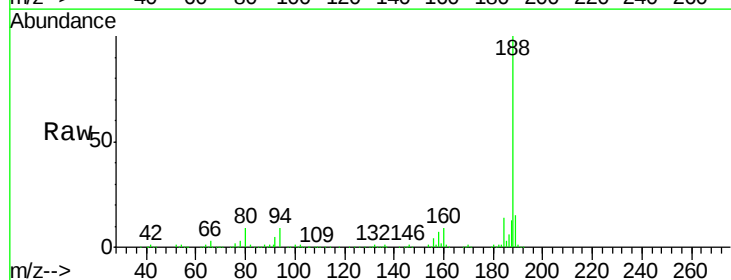
Tgt Ion: 188 Resp: 430776

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

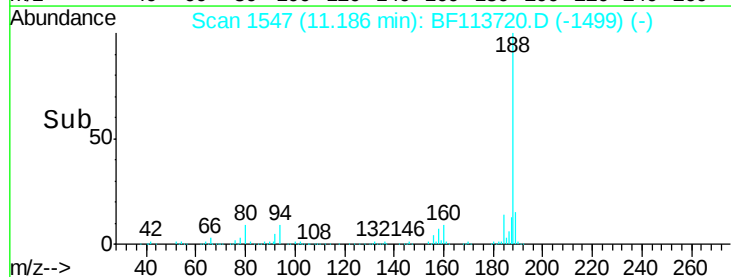
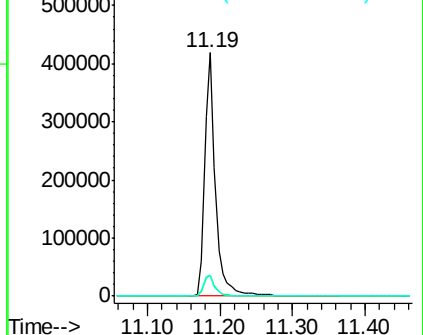
80 8.8 7.7 11.5

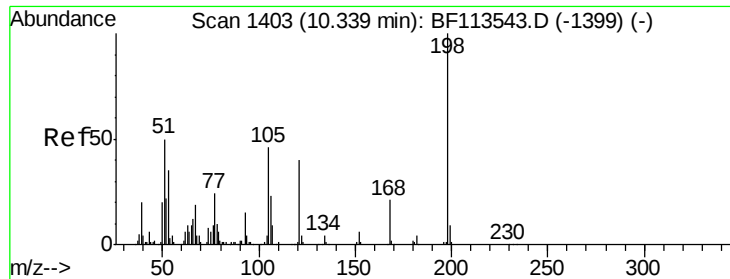


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

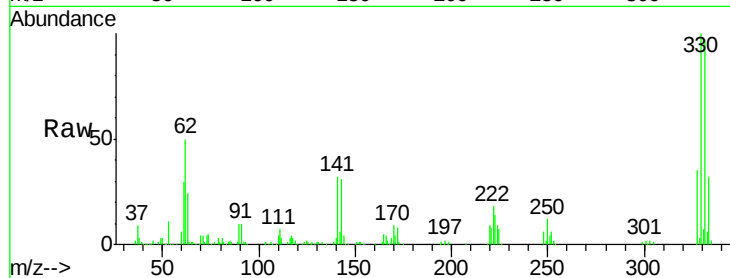




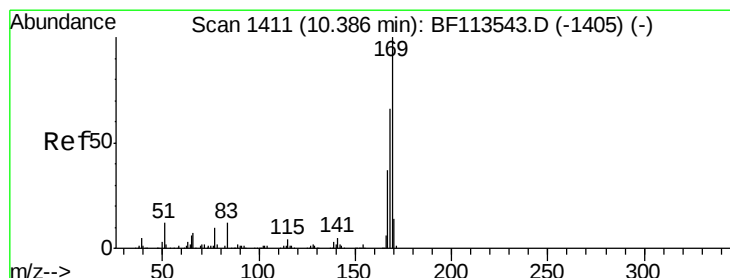
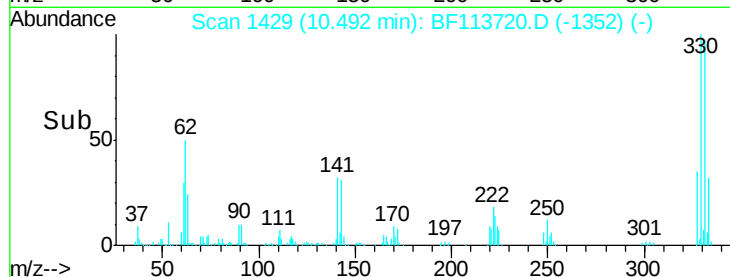
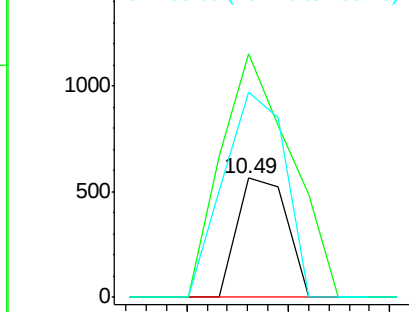
#65
4,6-Dinitro-2-methylphenol
Concen: 0.170 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.15 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 385
Ion Ratio Lower Upper
198 100
51 204.1 21.6 61.6#
105 172.2 20.6 60.6#

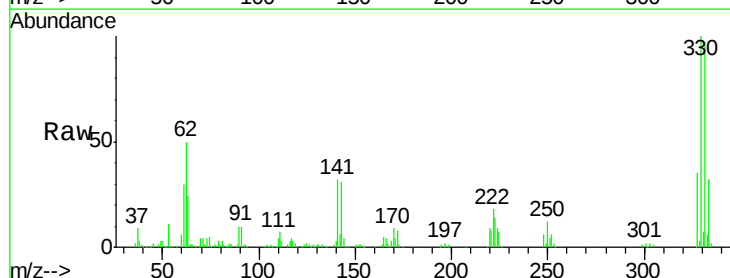


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

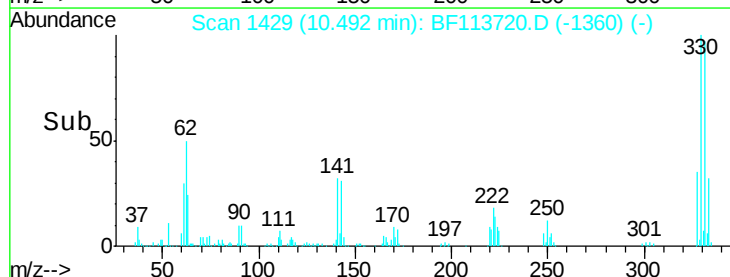
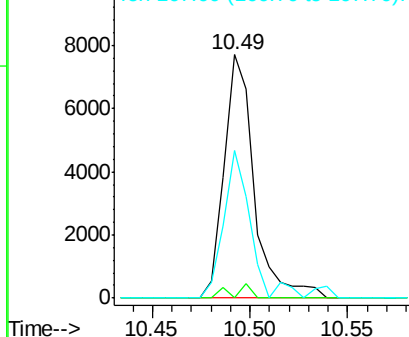


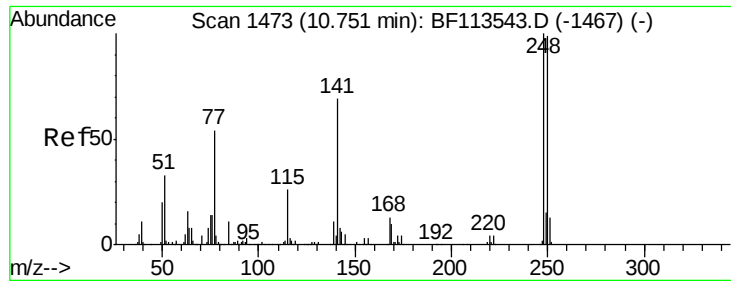
#66
n-Nitrosodiphenylamine
Concen: 0.621 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.11 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:169 Resp: 8213
Ion Ratio Lower Upper
169 100
168 0.0 53.7 80.5#
167 60.8 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.673 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.26 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

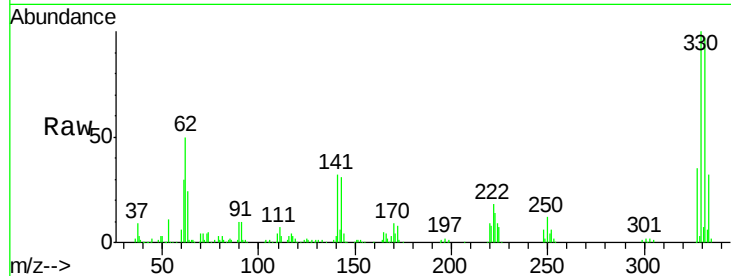
Tot Ion:248 Resp: 17747

Ion Ratio Lower Upper

248 100

250 199.1 78.3 117.5#

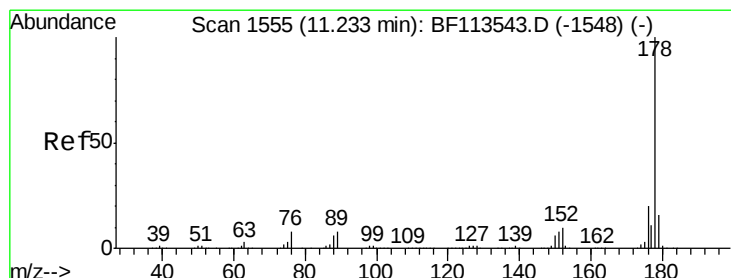
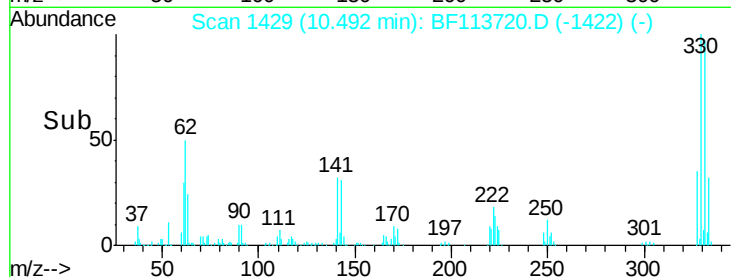
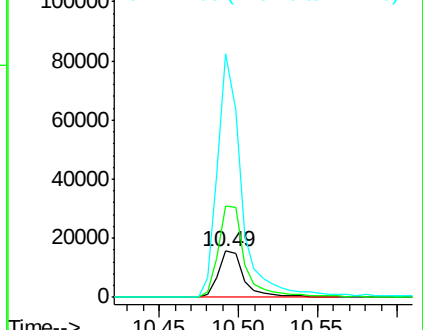
141 528.4 56.2 84.4#



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



#71

Phenanthrene

Concen: 0.096 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

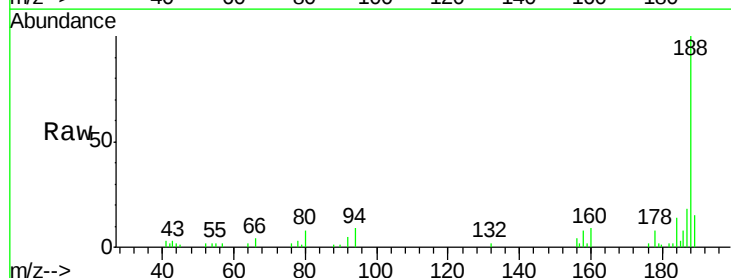
Tgt Ion:178 Resp: 2064

Ion Ratio Lower Upper

178 100

176 21.0 16.2 24.2

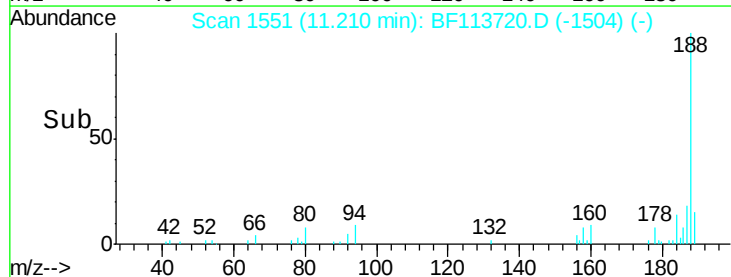
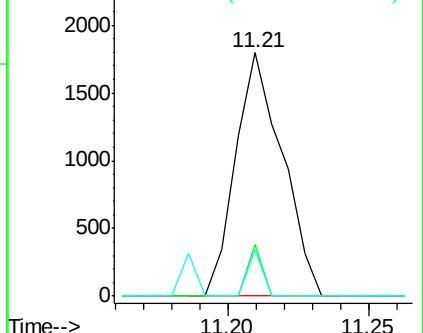
179 18.9 12.7 19.1

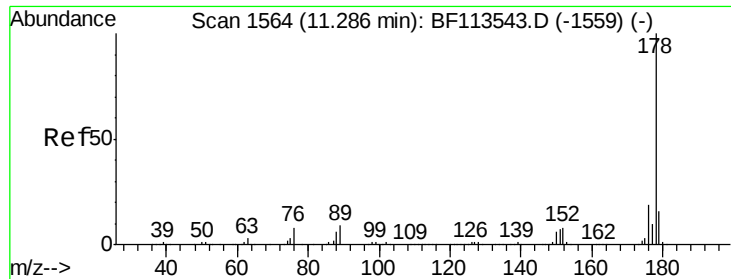


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.095 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

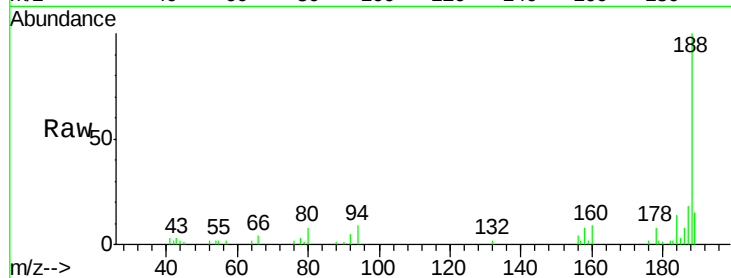
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 2064

Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.2
179	18.9	12.8	19.2

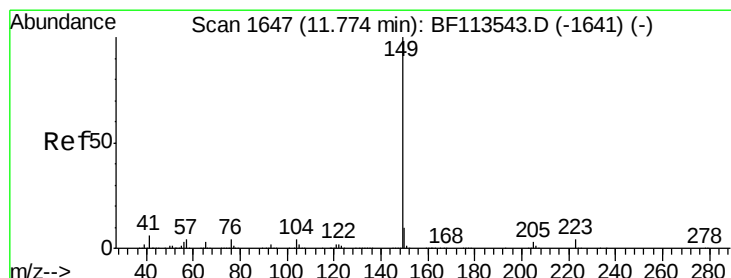
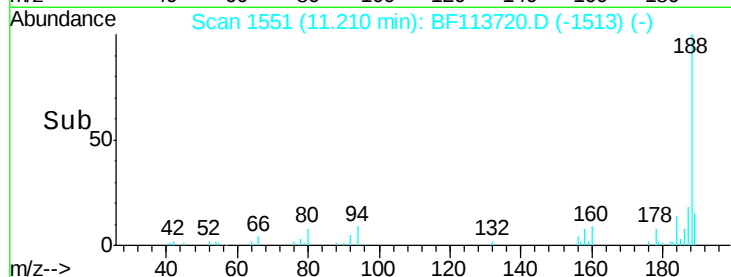
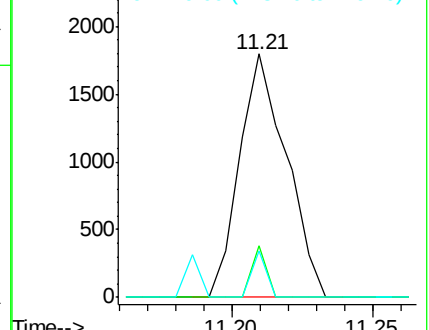


Abundance

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



#74

Di-n-butylphthalate

Concen: 0.165 ng

RT: 11.75 min Scan# 1643

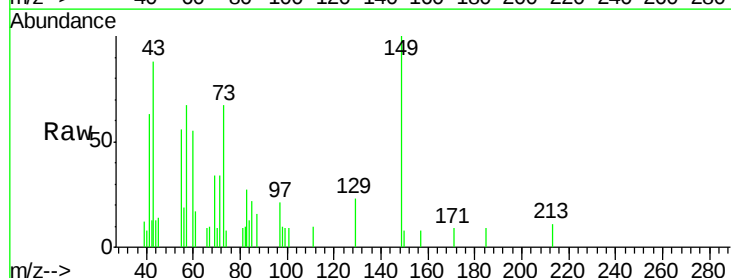
Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Tgt Ion:149 Resp: 4004

Ion	Ratio	Lower	Upper
149	100		
150	7.6	7.7	11.5#
104	0.0	3.7	5.5#

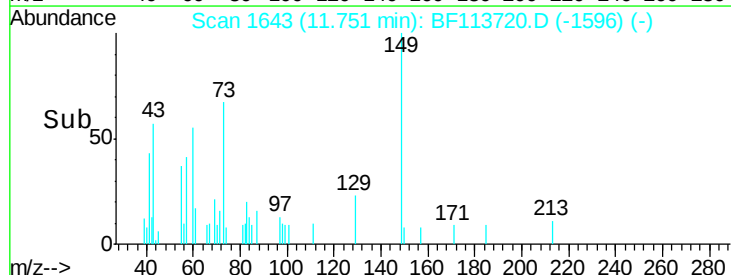
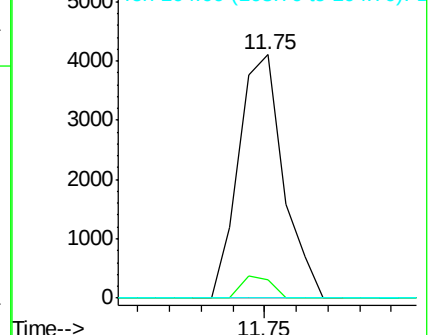


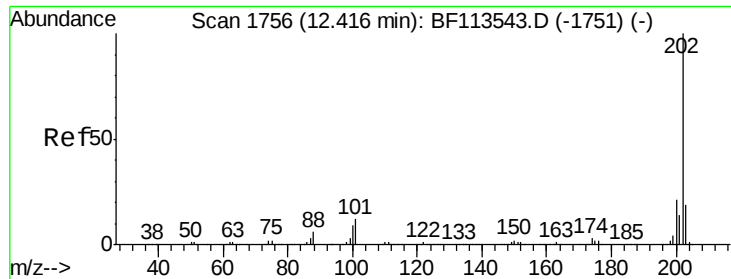
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

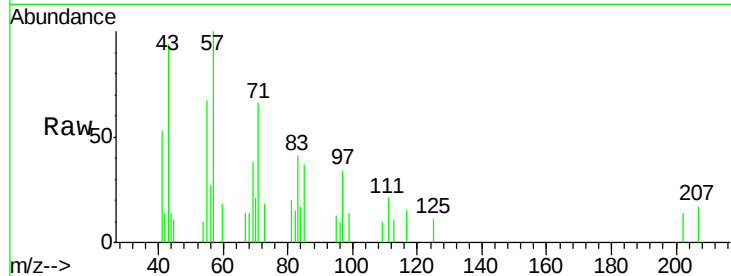




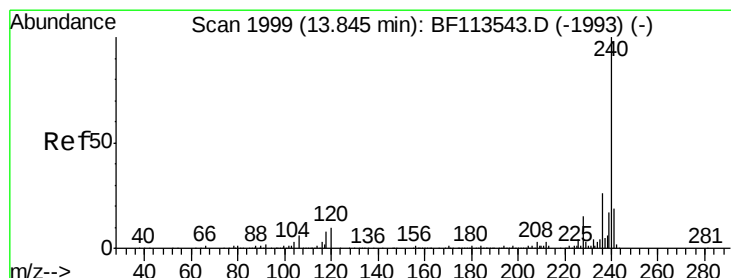
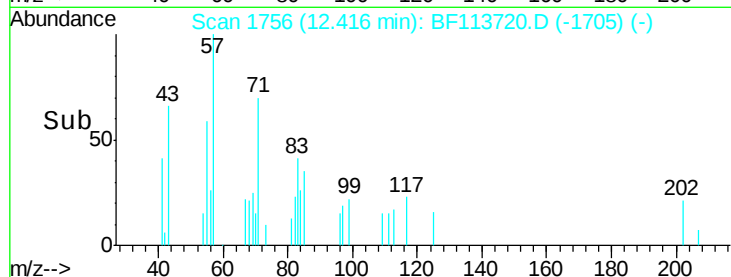
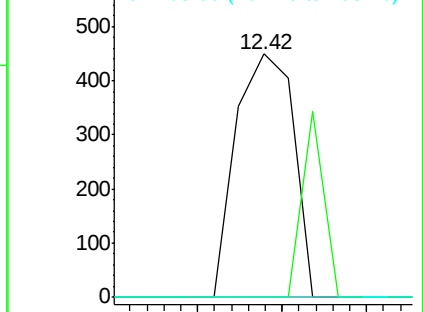
#75
Fluoranthene
Concen: 0.019 ng
RT: 12.42 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.4
203	0.0	0.0	38.0

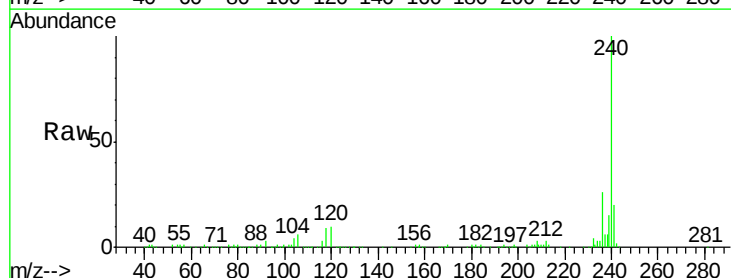


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

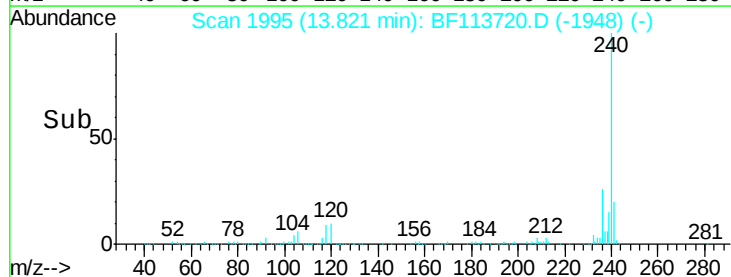
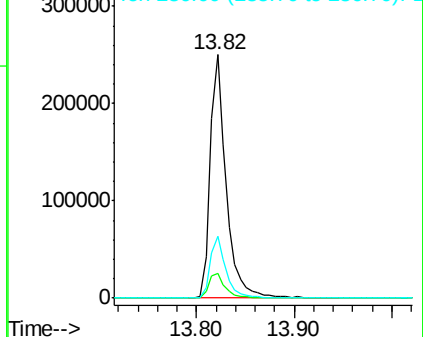


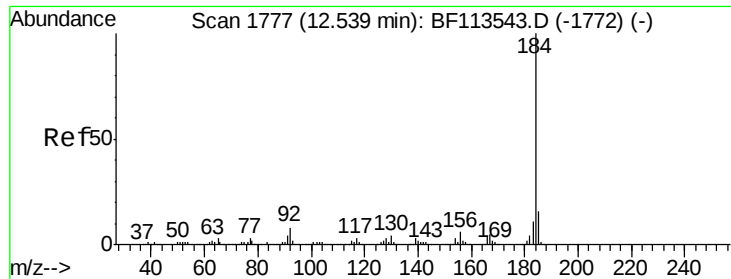
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.8	13.2
236	25.6	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





#77

Benzidine

Concen: 1.397 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.23 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

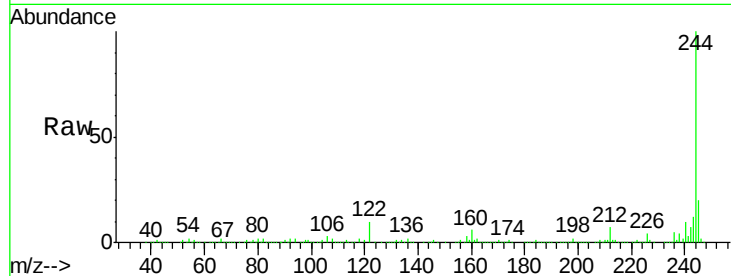
Tot Ion:184 Resp: 14767

Ion Ratio Lower Upper

184 100

185 18.5 13.0 19.6

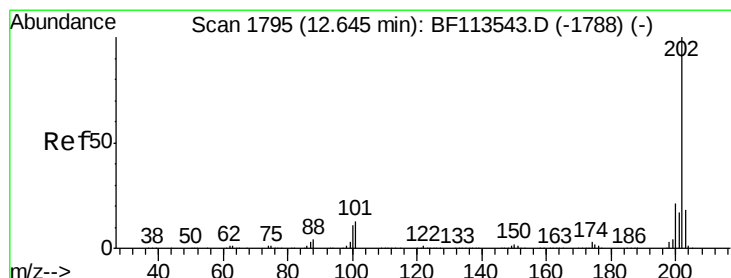
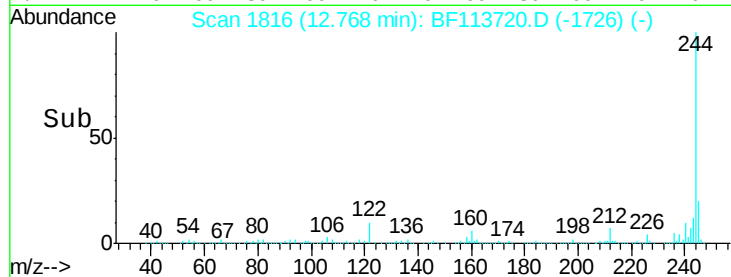
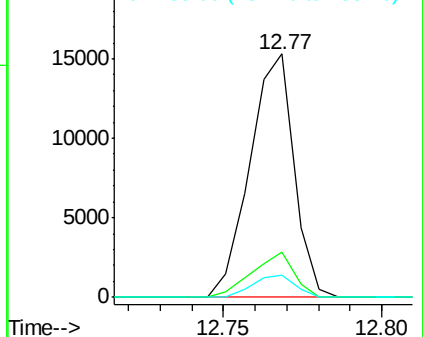
183 8.9 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.016 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

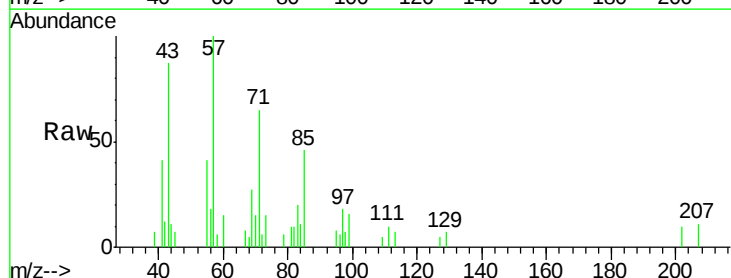
Tgt Ion:202 Resp: 349

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

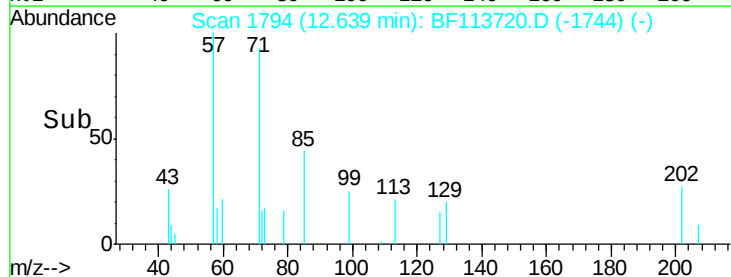
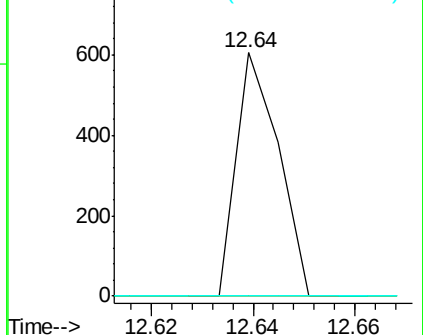
203 0.0 14.4 21.6#

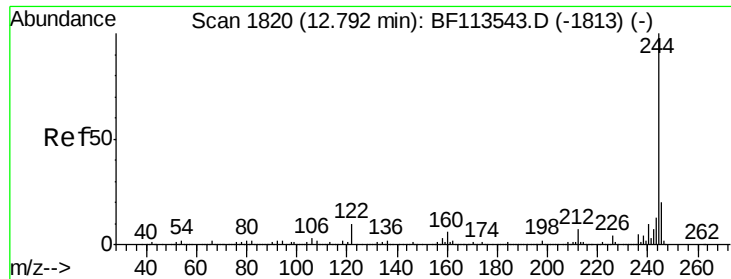


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 92.274 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

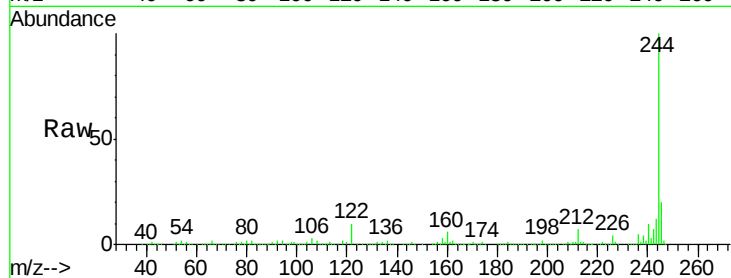
Tot Ion:244 Resp: 1288024

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

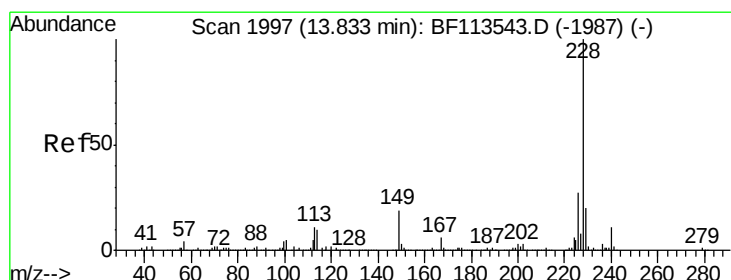
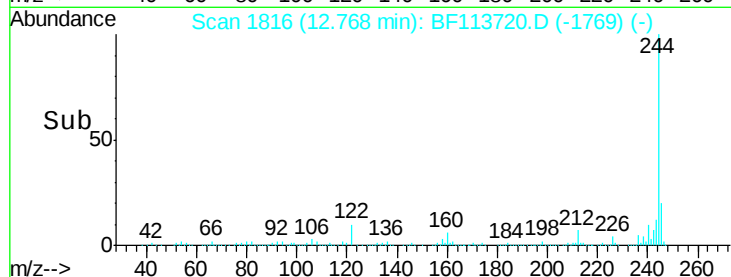
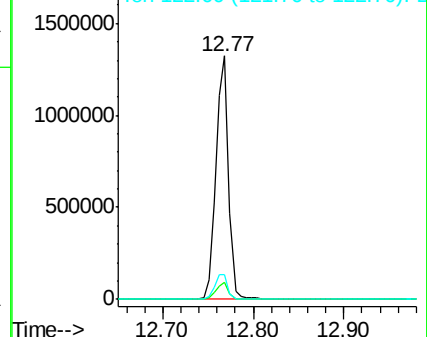
122 10.4 8.6 13.0



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



#81

Benzo(a)anthracene

Concen: 0.044 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

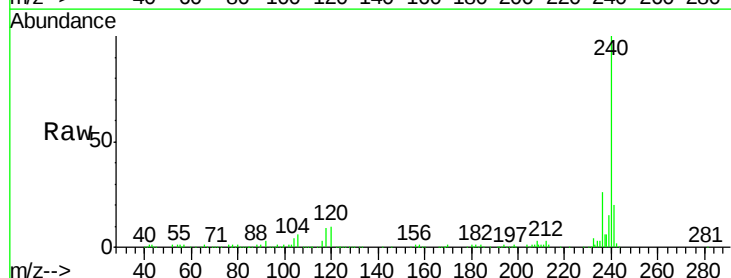
Tgt Ion:228 Resp: 714

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

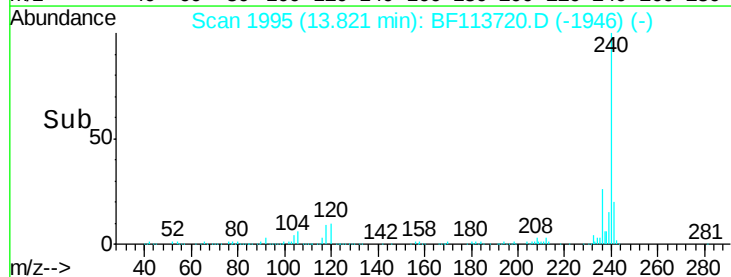
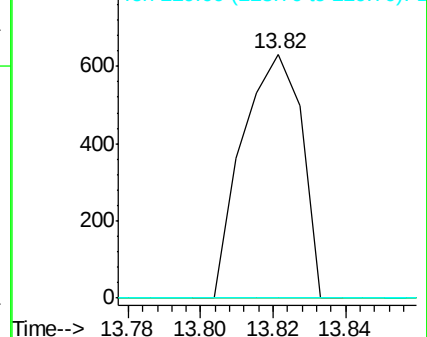
229 0.0 16.2 24.4#

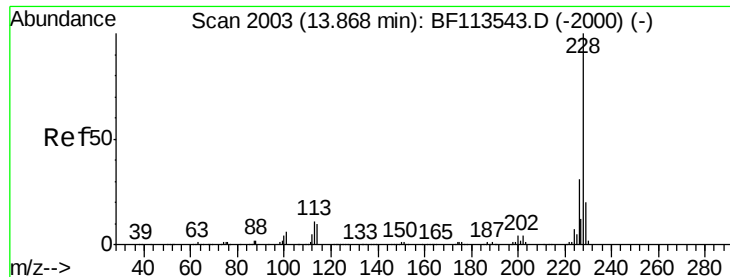


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 0.043 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.05 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :

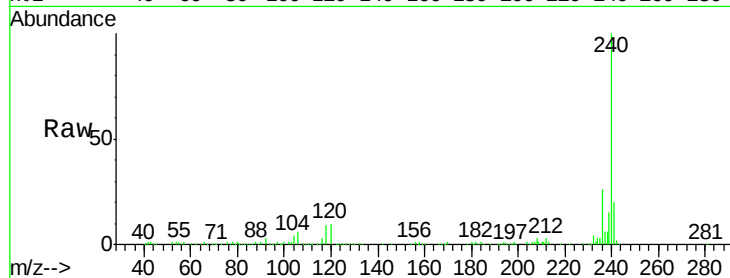
Tot Ion:228 Resp: 714

Ion Ratio Lower Upper

228 100

226 0.0 24.3 36.5#

229 0.0 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.82

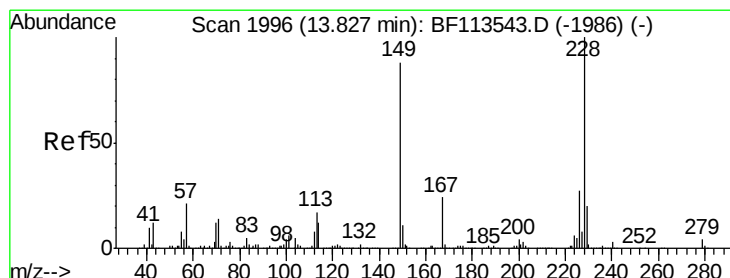
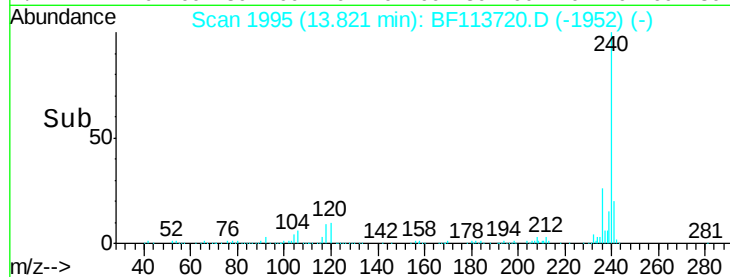
600

400

200

0

Time--> 13.78 13.80 13.82 13.84



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.290 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

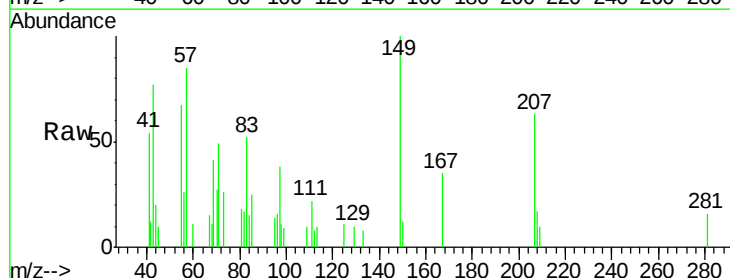
Tgt Ion:149 Resp: 3084

Ion Ratio Lower Upper

149 100

167 34.9 21.8 32.8#

279 0.0 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.80

5000

4000

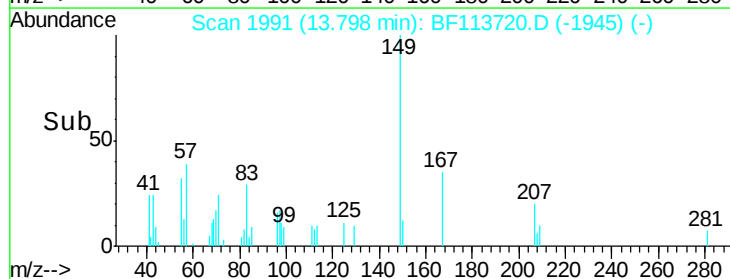
3000

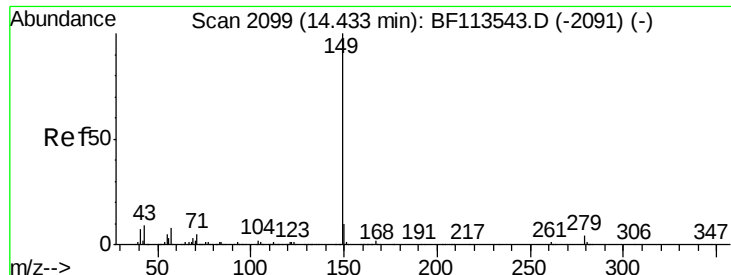
2000

1000

0

Time--> 13.76 13.78 13.80 13.82

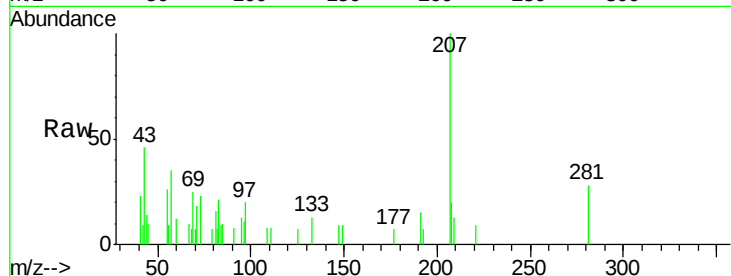




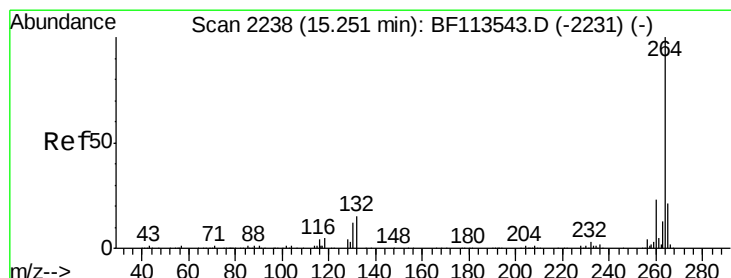
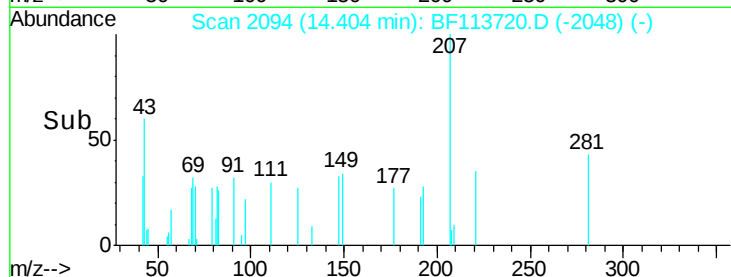
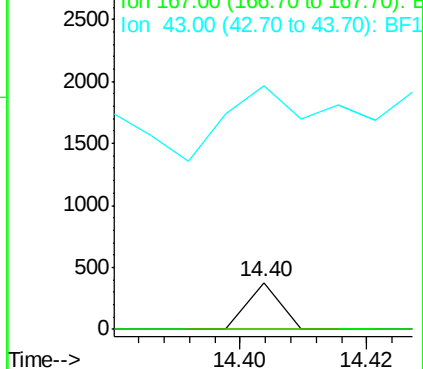
#85
Di-n-octyl phthalate
Concen: 0.008 ng
RT: 14.40 min Scan# 2094
Delta R.T. -0.03 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 133
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 560.9 7.7 11.5#

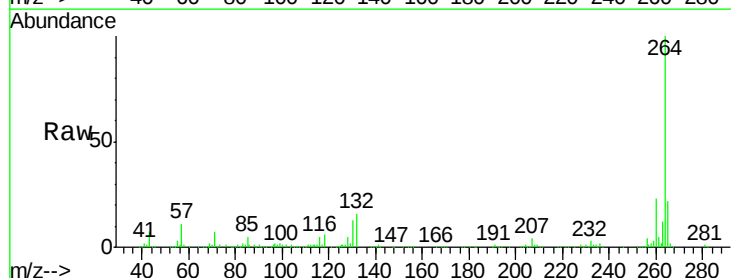


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

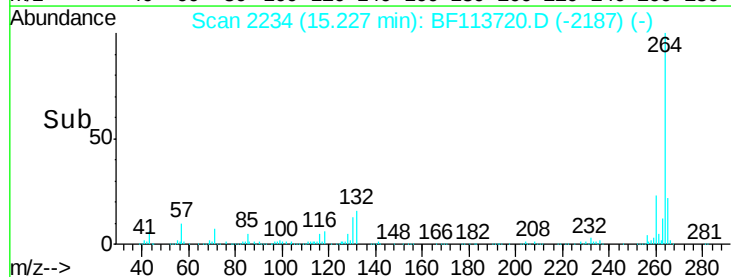
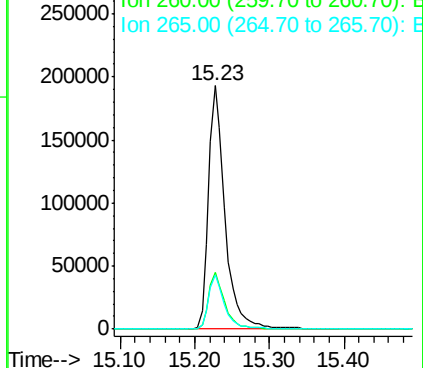


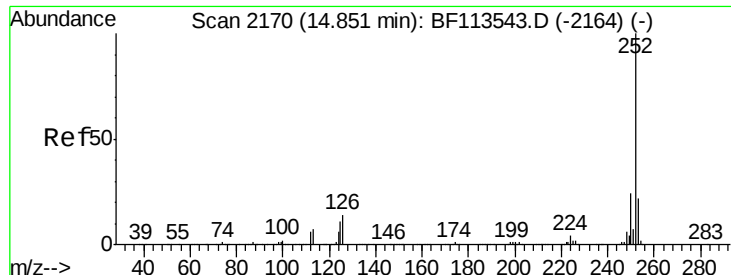
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:264 Resp: 296249
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 22.1 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

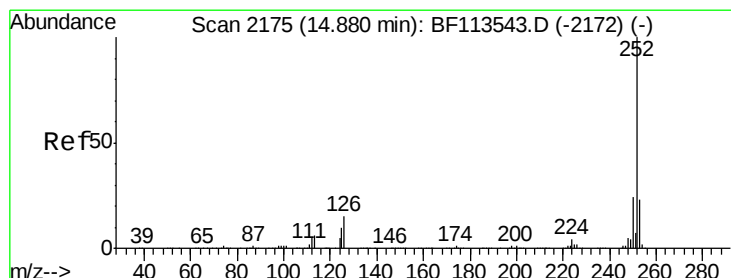
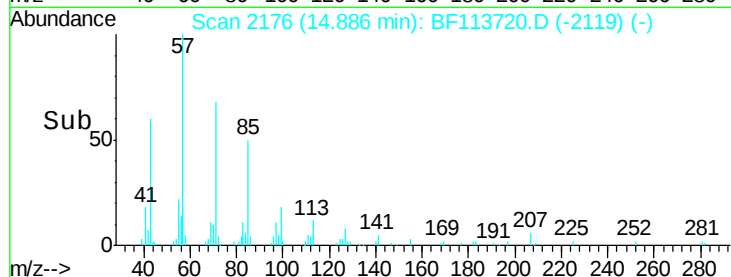
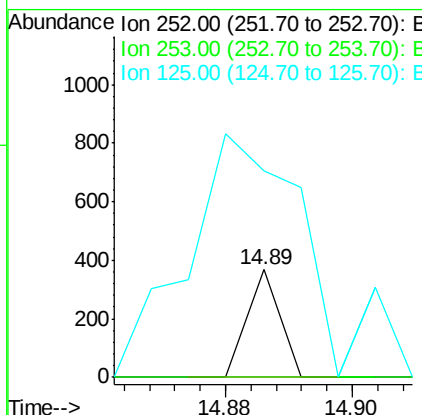
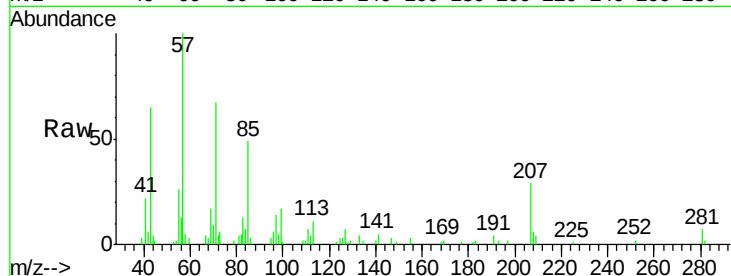




#88
Benzo(b)fluoranthene
Concen: 0.007 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.04 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

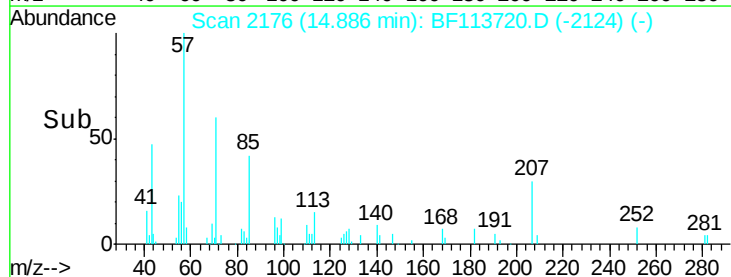
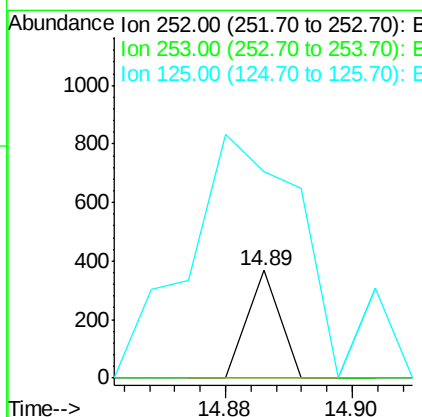
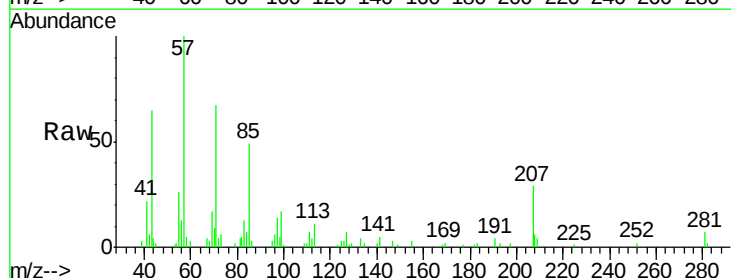
Instrument :
BNA_F
ClientSampleId :

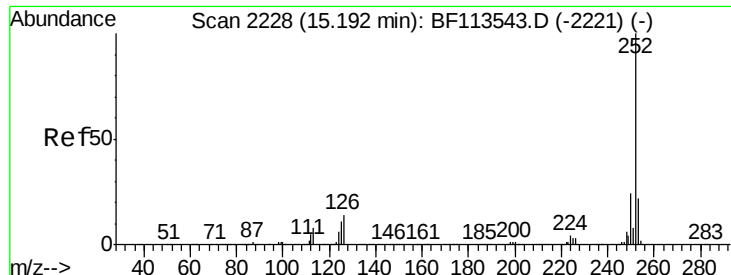
Tot Ion:252 Resp: 130
Ion Ratio Lower Upper
252 100
253 0.0 18.0 27.0#
125 192.4 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 0.008 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF113720.D
Acq: 11 Apr 2019 15:09

Tgt Ion:252 Resp: 130
Ion Ratio Lower Upper
252 100
253 0.0 17.7 26.5#
125 192.4 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 0.068 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.04 min

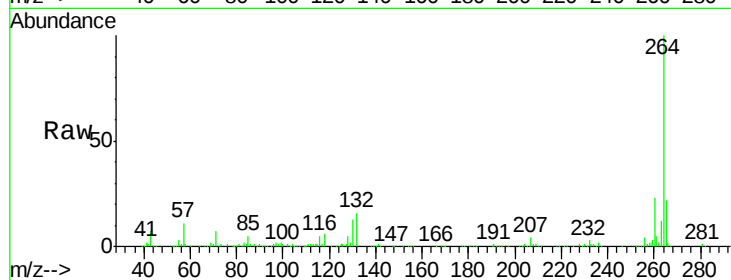
Lab File: BF113720.D

Acq: 11 Apr 2019 15:09

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	1094
Ion	Ratio	Lower	Upper
252	100		
253	65.2	17.9	26.9#
125	145.4	8.8	13.2#

