

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113719.D
 Acq On : 11 Apr 2019 14:40
 Operator : JU/SJ
 Sample : K2342-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:59:18 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	109999	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	409249	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	198612	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	397085	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	287391	20.00	ng	-0.02
87) Perylene-d12	15.23	264	289652	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	721819	111.90	ng	0.00
7) Phenol-d6	6.33	99	846304	106.45	ng	-0.01
23) Nitrobenzene-d5	7.24	82	635683	90.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	313955	131.59	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1208572	97.96	ng	-0.02
79) Terphenyl-d14	12.77	244	1253798	88.83	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.12	88	109	0.036	ng	# 1
4) n-Nitrosodimethylamine	2.93	42	107	0.031	ng	# 1
6) Aniline	6.45	93	1100	0.114	ng	# 1
9) Benzaldehyde	6.33	77	782	0.165	ng	# 1
10) Phenol	6.45	94	1413	0.156	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	1100	0.156	ng	# 1
15) Benzyl Alcohol	6.83	79	9075	1.688	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	7.05	45	389	0.035	ng	# 63
19) n-Nitroso-di-n-propylamine	7.24	70	79935	16.305	ng	# 77
22) Acetophenone	7.12	105	246	0.027	ng	# 51
24) Nitrobenzene	7.24	77	1581	0.220	ng	# 36
25) Isophorone	7.24	82	635679	47.231	ng	# 64
31) Naphthalene	7.98	128	1045	0.053	ng	# 68
37) 2-Methylnaphthalene	8.69	142	225	0.017	ng	# 15
38) 1-Methylnaphthalene	8.69	142	225	0.018	ng	# 7
46) 1,1'-Biphenyl	9.13	154	2073	0.126	ng	# 96
48) 2-Nitroaniline	9.03	65	1508	0.397	ng	# 2
49) Acenaphthylene	9.57	152	113	0.006	ng	# 60
50) Dimethylphthalate	9.70	163	45148	3.084	ng	# 1
51) 2,6-Dinitrotoluene	9.70	165	23827	7.383	ng	# 26
52) Acenaphthene	9.70	154	604	0.052	ng	# 5
57) 2,4-Dinitrotoluene	9.70	165	23827	6.105	ng	# 23
58) Fluorene	10.49	166	12403	0.926	ng	# 87
60) Diethylphthalate	10.13	149	122	0.009	ng	# 59
63) Azobenzene	10.49	77	826	0.062	ng	# 3
65) 4,6-Dinitro-2-methylphenol	10.49	198	491	0.235	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	7977	0.654	ng	# 42
67) 4-Bromophenyl-phenylether	10.49	248	17828	4.003	ng	# 1
71) Phenanthrene	11.21	178	752	0.038	ng	# 59
72) Anthracene	11.21	178	752	0.037	ng	# 60
74) Di-n-butylphthalate	11.75	149	1809	0.081	ng	# 78
75) Fluoranthene	12.42	202	458	0.022	ng	# 64
77) Benzidine	12.77	184	13731	1.285	ng	# 95
78) Pyrene	12.64	202	243	0.011	ng	# 57

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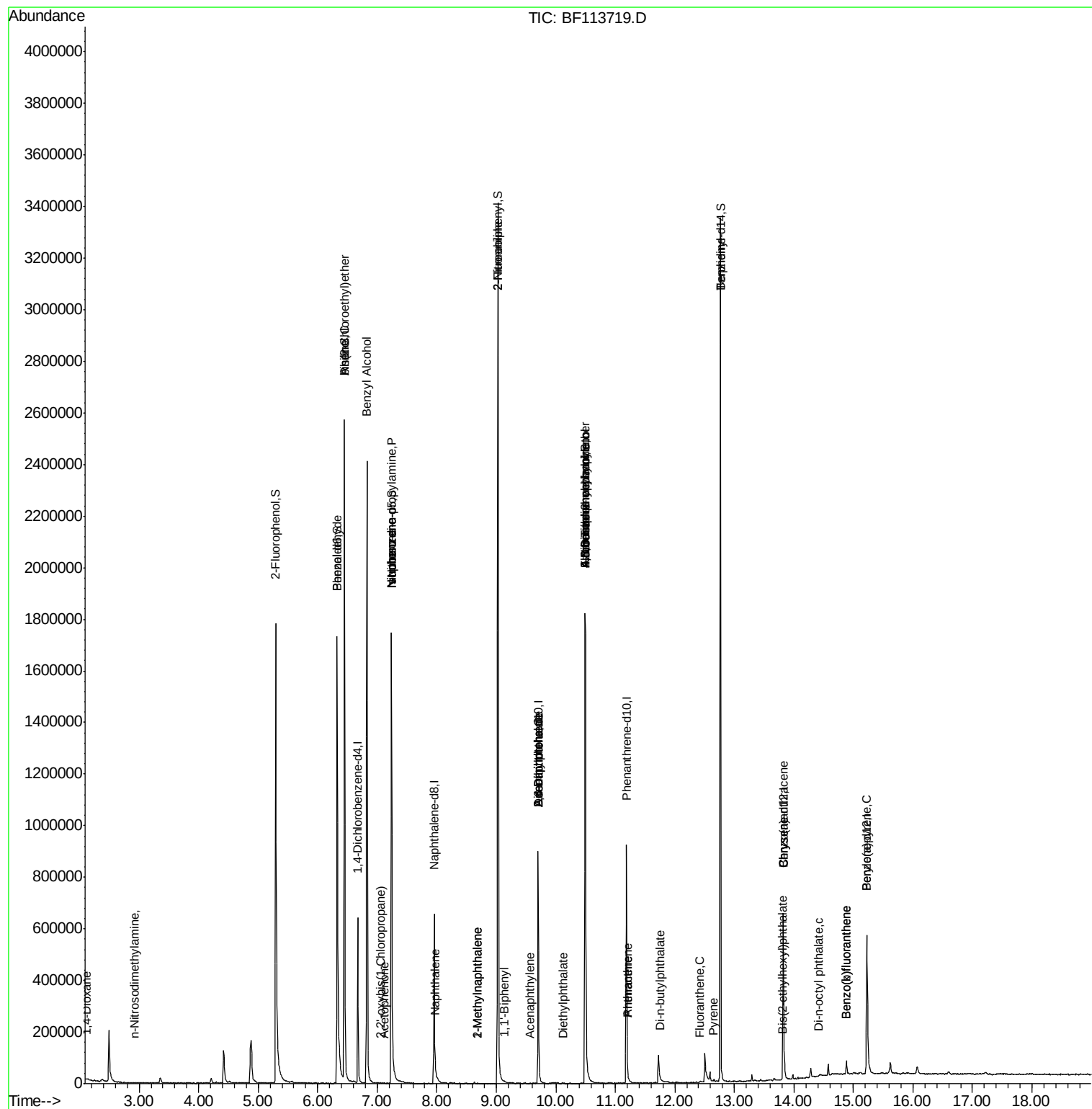
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	13.82	228	731	0.044	nq	# 49
83) Chrysene	13.82	228	731	0.043	nq	# 47
84) Bis(2-ethylhexyl)phthalate	13.80	149	727	0.068	nq	# 52
85) Di-n-octyl phthalate	14.41	149	600	0.034	nq	# 23
88) Benzo(b)fluoranthene	14.87	252	373	0.021	nq	# 1
89) Benzo(k)fluoranthene	14.87	252	373	0.023	nq	# 1
90) Benzo(a)pyrene	15.23	252	762	0.048	nq	# 12

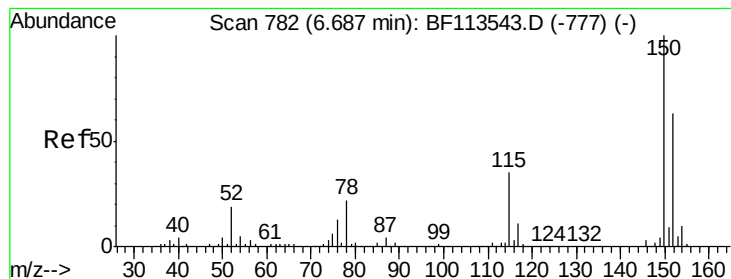
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

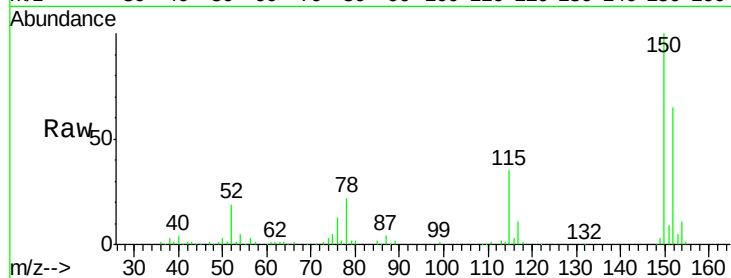
Tot Ion:152 Resp: 109999

Ion Ratio Lower Upper

152 100

150 154.6 124.7 187.1

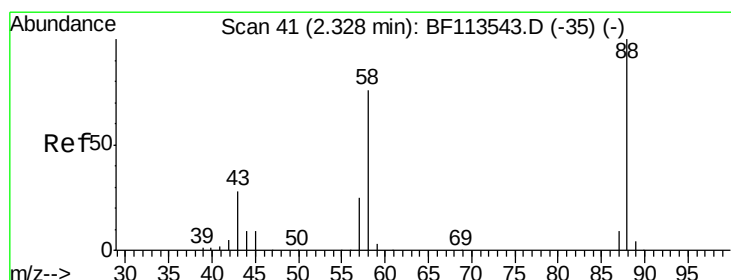
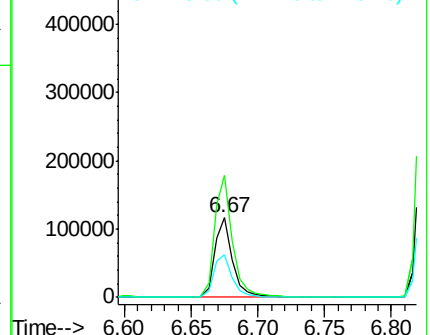
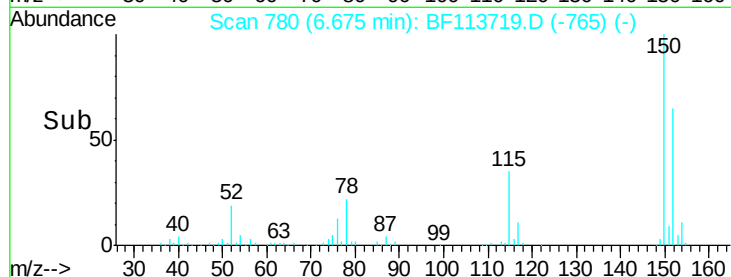
115 54.4 46.0 69.0



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



#2

1,4-Dioxane

Concen: 0.036 ng

RT: 2.12 min Scan# 6

Delta R.T. -0.21 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

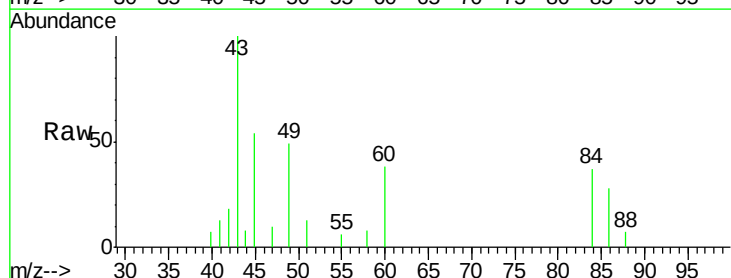
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

58 350.5 61.9 92.9#

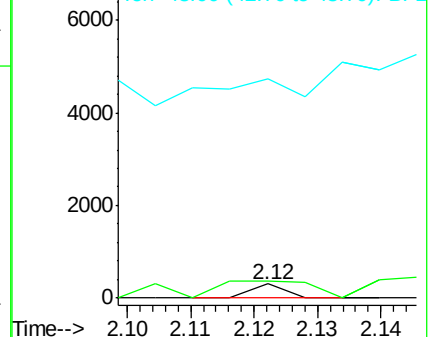
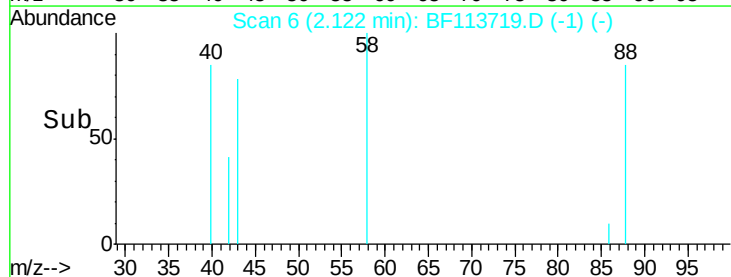
43 0.0 24.2 36.4#

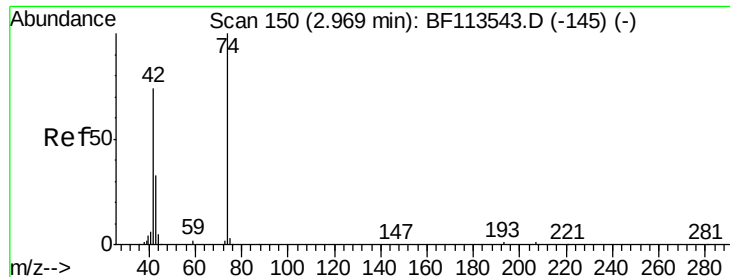


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1



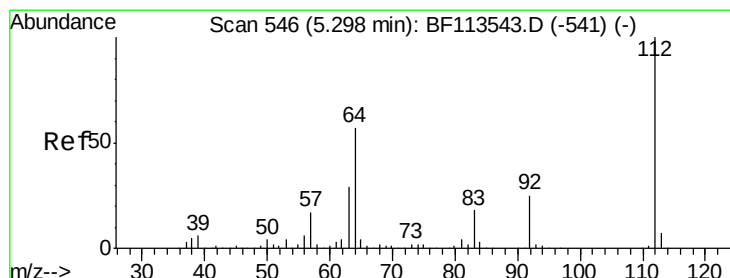
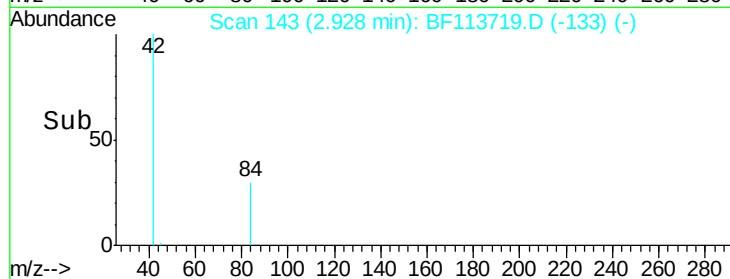
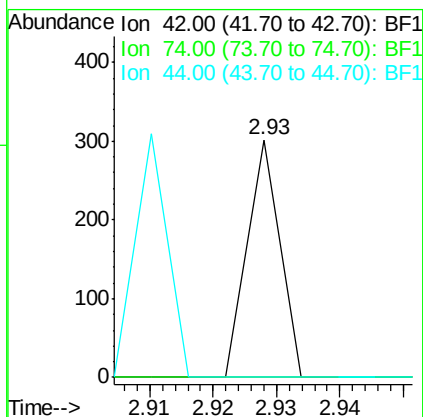
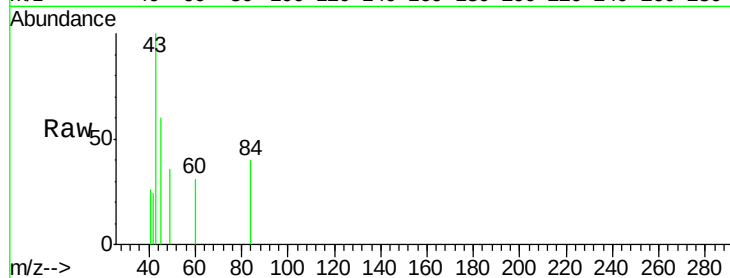


#4

n-Nitrosodimethylamine
 Concen: 0.031 ng
 RT: 2.93 min Scan# 143
 Delta R.T. -0.04 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Instrument :
 BNA_F
 ClientSampleId :

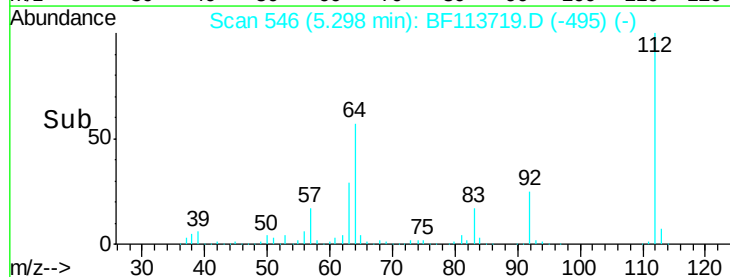
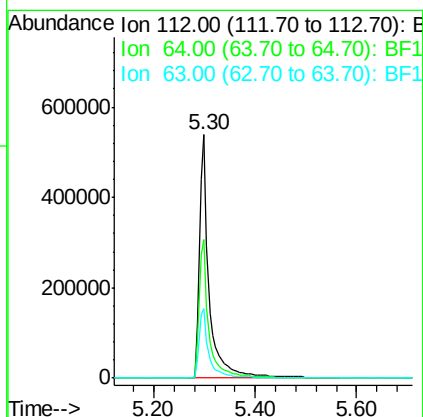
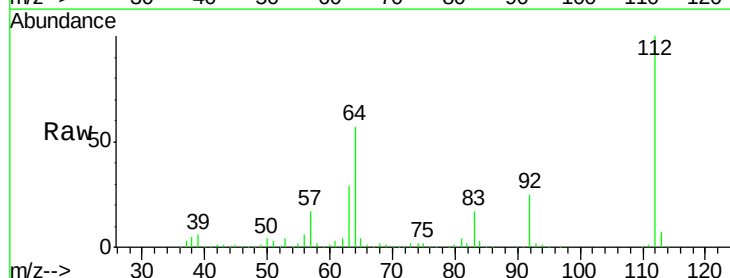
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	102.4	153.6#
44	0.0	5.5	8.3#

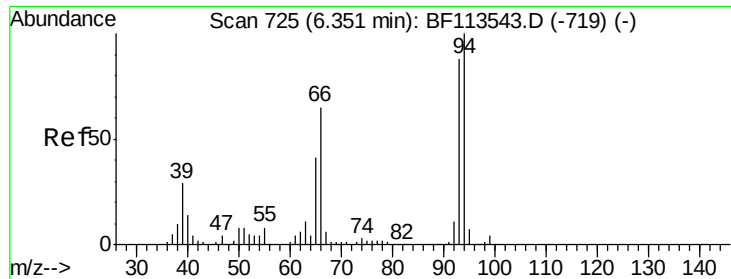


#5

2-Fluorophenol
 Concen: 111.898 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	49.2	73.8
63	28.6	24.9	37.3





#6

Aniline

Concen: 0.114 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.10 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampled :

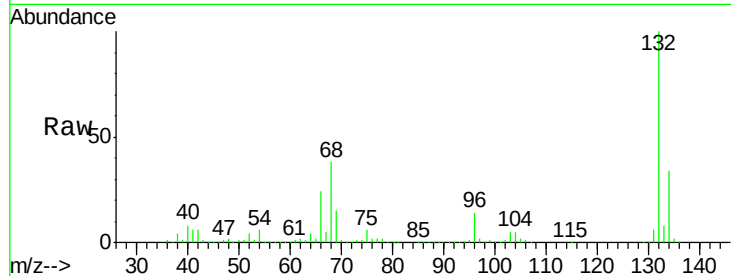
Tot Ion: 93 Resp: 1100

Ion Ratio Lower Upper

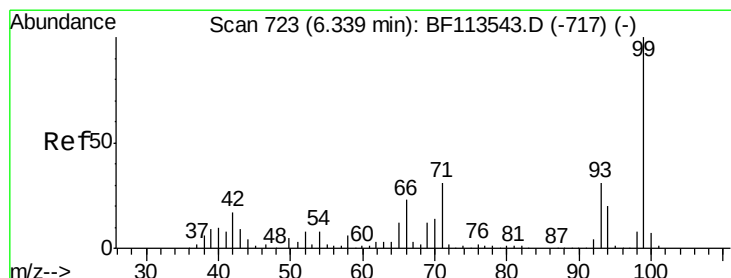
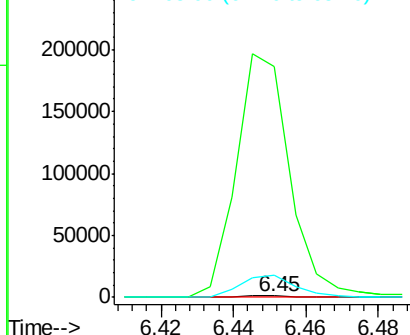
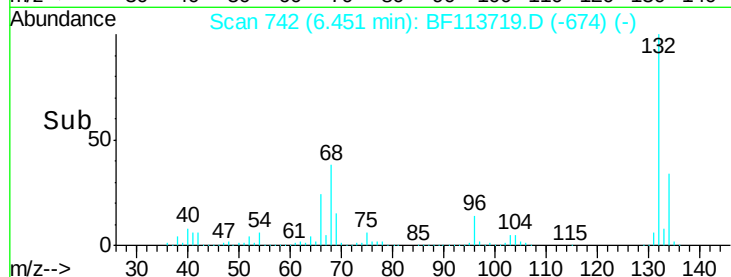
93 100

66 15276.9 62.1 93.1#

65 1511.3 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: 106.447 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

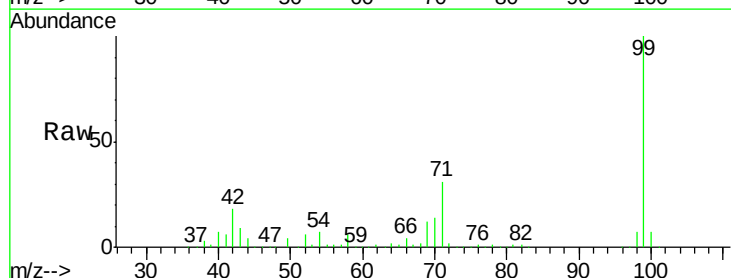
Tgt Ion: 99 Resp: 846304

Ion Ratio Lower Upper

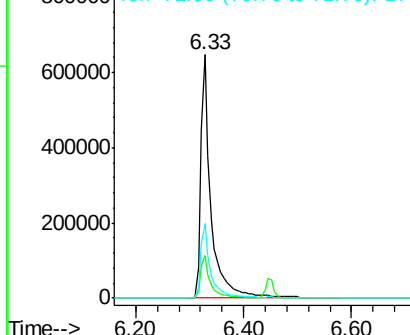
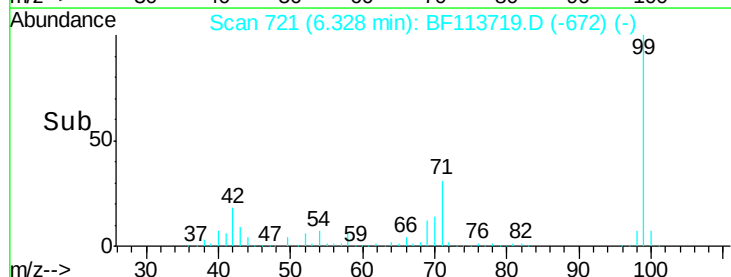
99 100

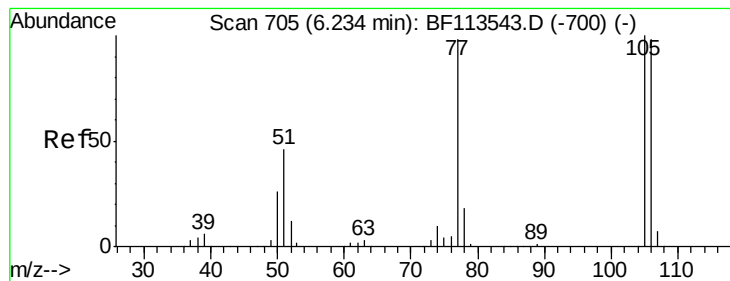
42 17.6 14.8 22.2

71 30.9 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





#9

Benzaldehyde

Concen: 0.165 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.09 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampled :

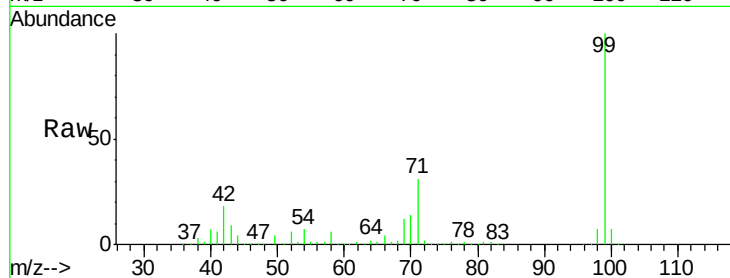
Tot Ion: 77 Resp: 782

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

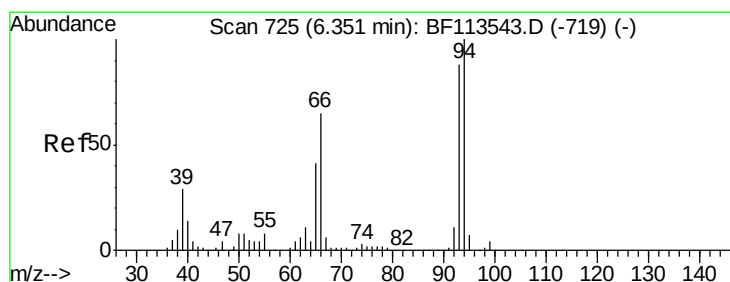
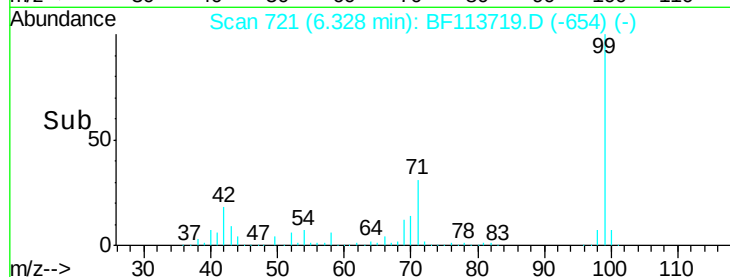
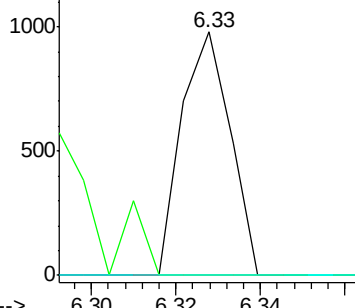
106 0.0 77.8 117.8#



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: 0.156 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

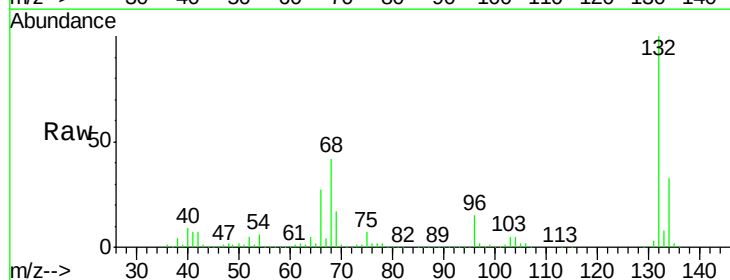
Tgt Ion: 94 Resp: 1413

Ion Ratio Lower Upper

94 100

65 1050.1 21.4 61.4#

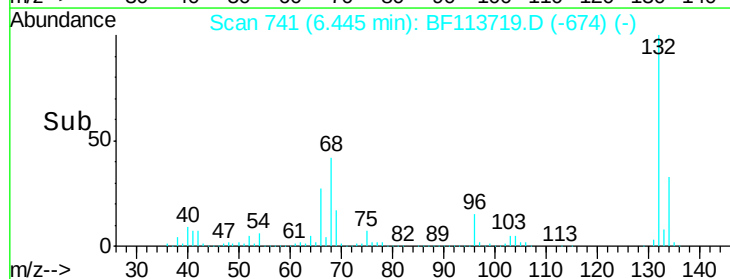
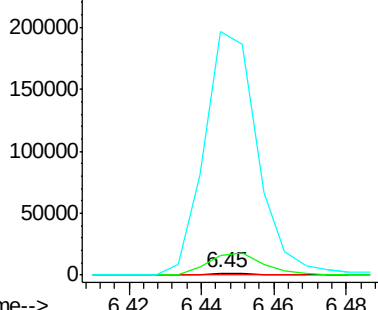
66 13461.9 46.4 86.4#

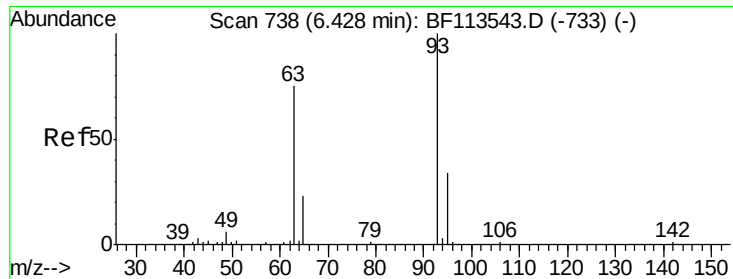


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

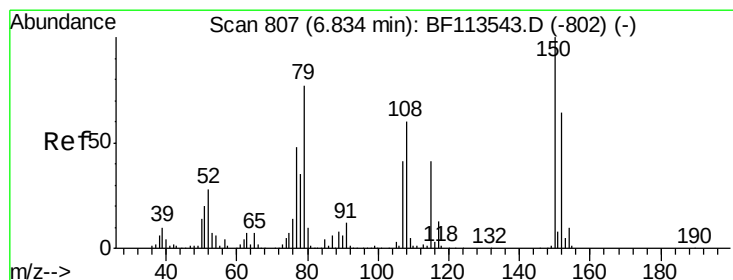
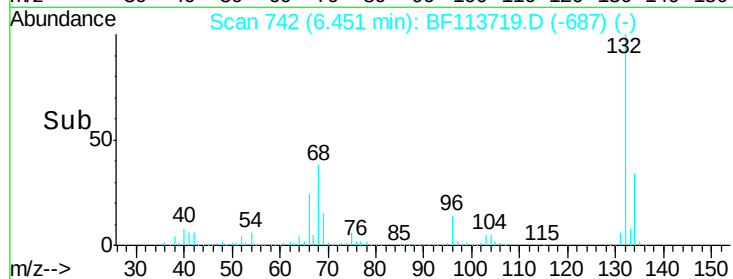
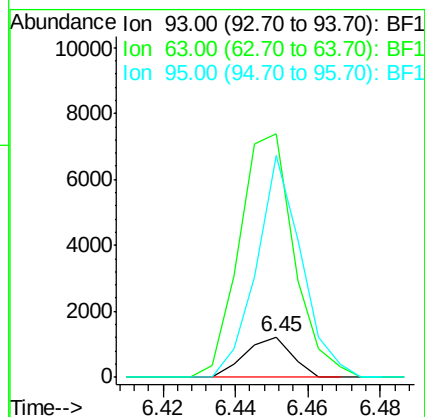
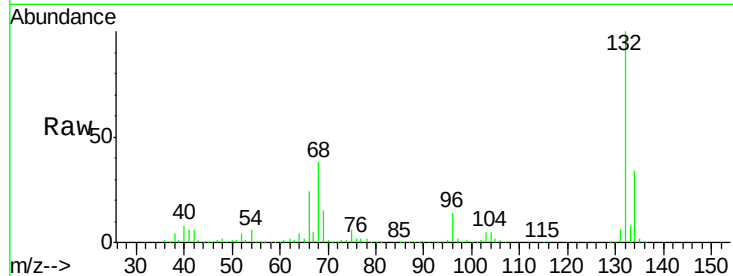




#11
bis(2-Chloroethyl)ether
Concen: 0.156 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

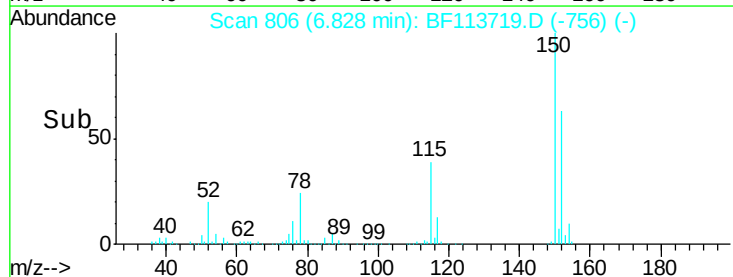
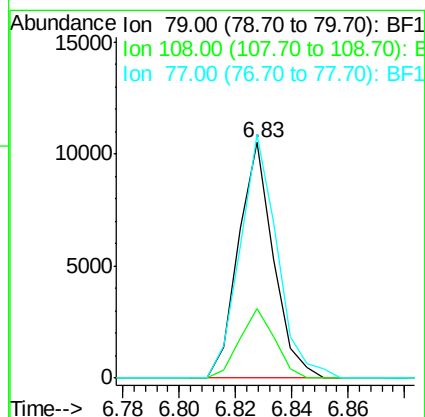
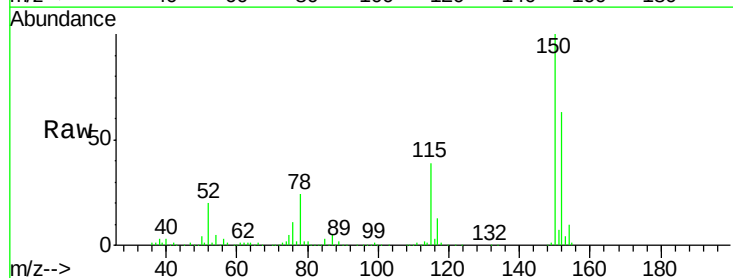
Instrument :
BNA_F
ClientSampleId :

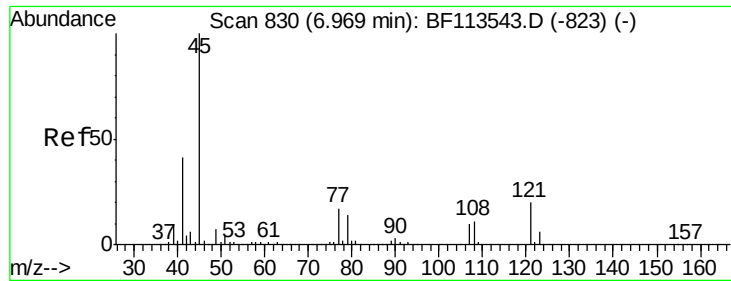
Tot Ion: 93 Resp: 1100
Ion Ratio Lower Upper
93 100
63 606.6 56.1 96.1#
95 553.6 12.8 52.8#



#15
Benzyl Alcohol
Concen: 1.688 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion: 79 Resp: 9075
Ion Ratio Lower Upper
79 100
108 29.5 62.0 93.0#
77 103.4 49.9 74.9#

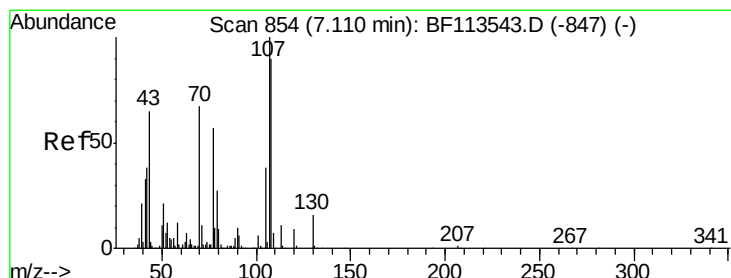
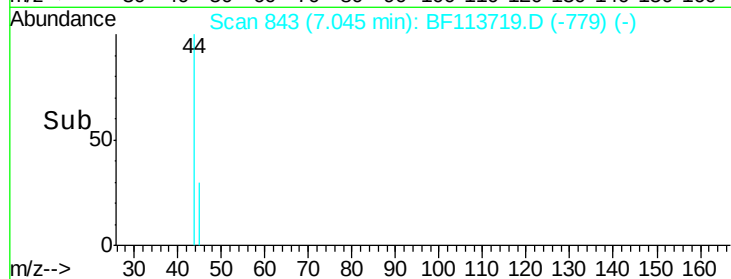
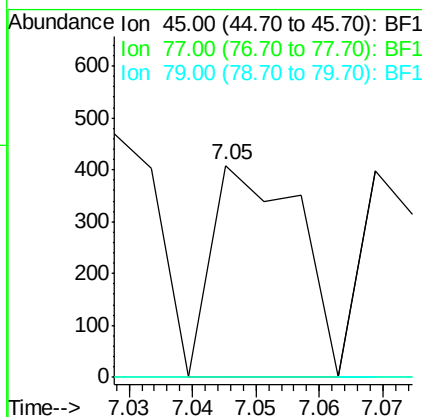
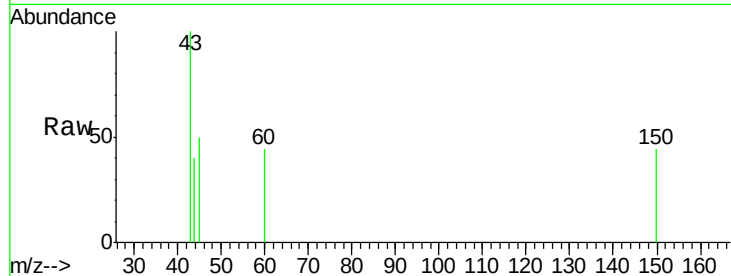




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.035 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.08 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

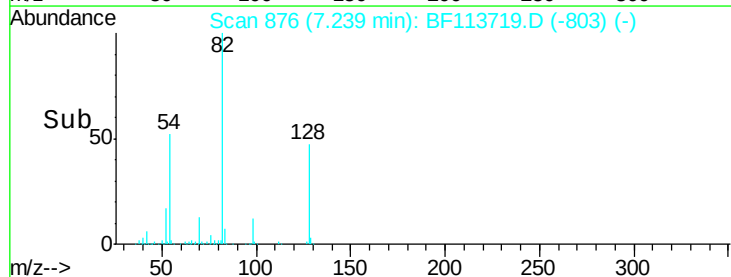
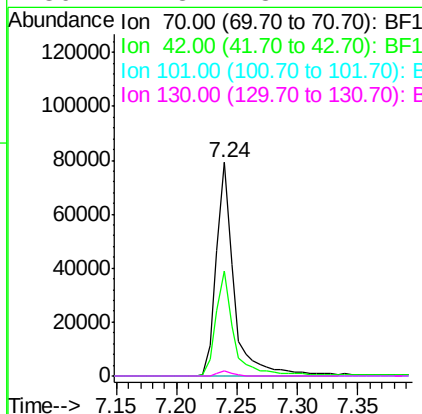
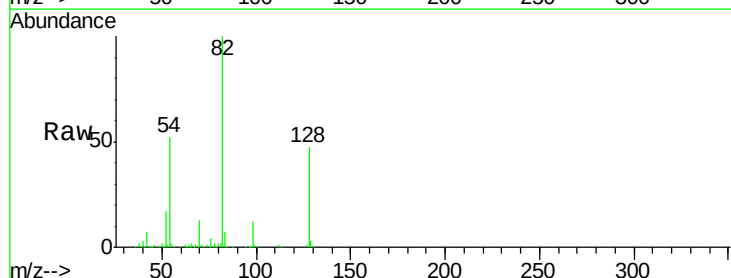
Instrument :
BNA_F
ClientSampled :

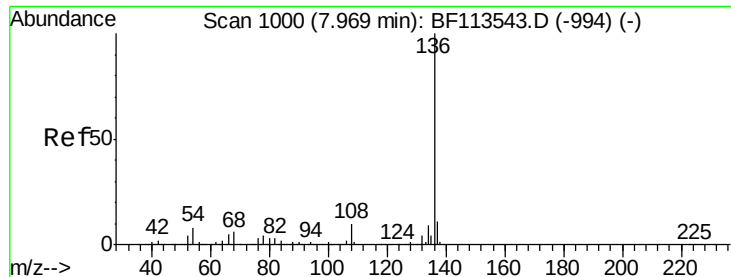
Tot Ion: 45 Resp: 389
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.6
79 0.0 0.0 34.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.305 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.13 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion: 70 Resp: 79935
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#

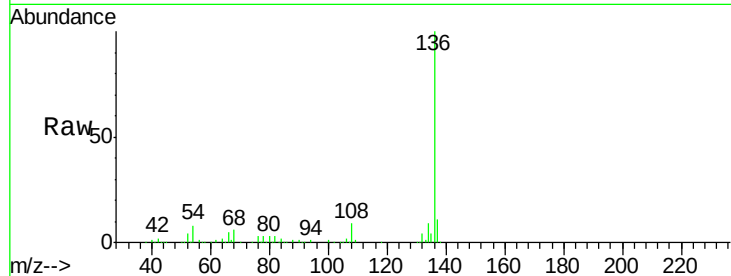




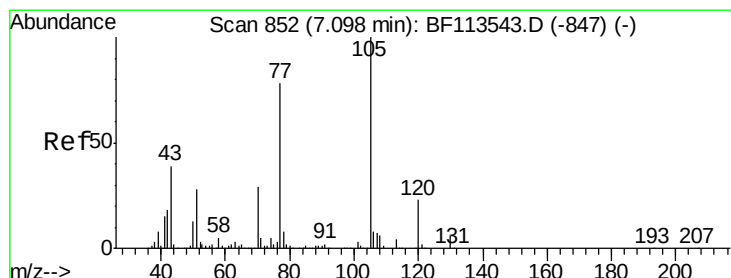
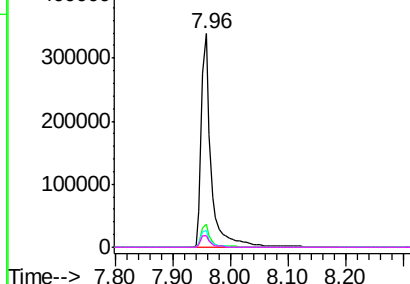
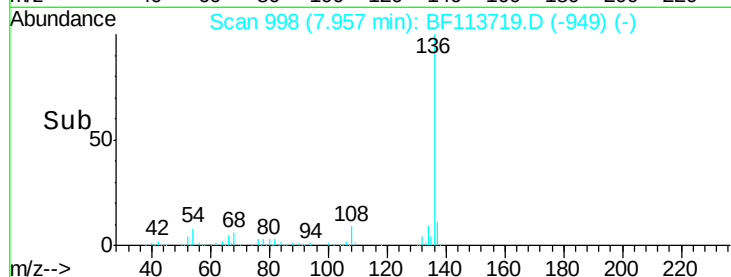
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	409249
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.7	7.0 10.6
68	5.6	4.8 7.2

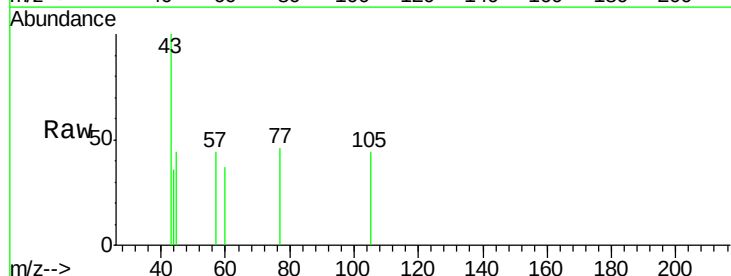


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

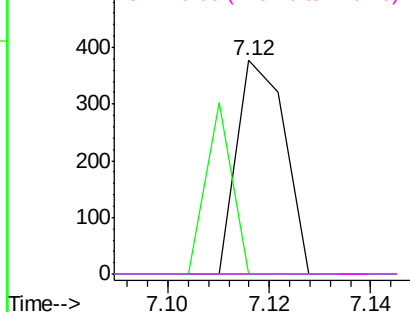
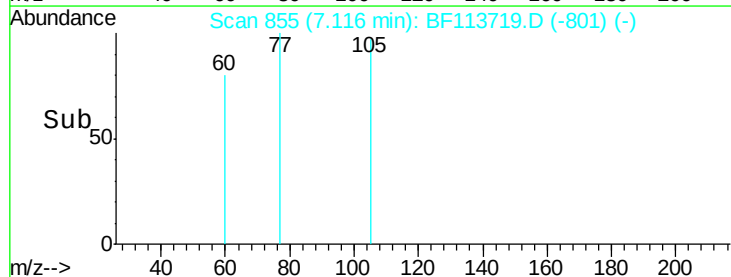


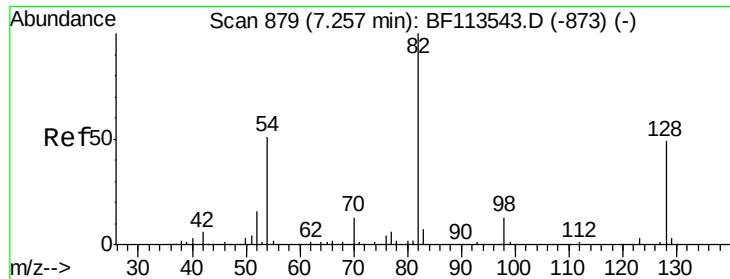
#22
Acetophenone
Concen: 0.027 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion:105	Resp:	246
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#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

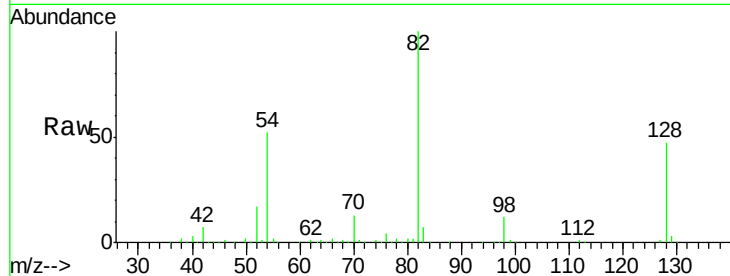




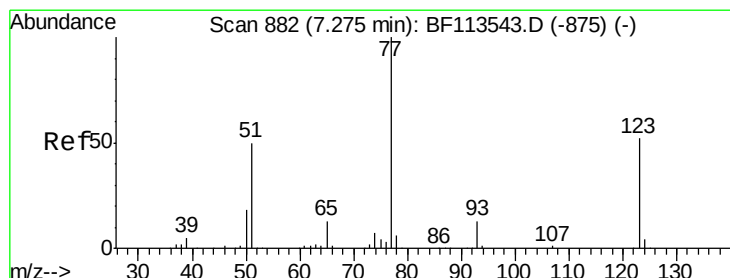
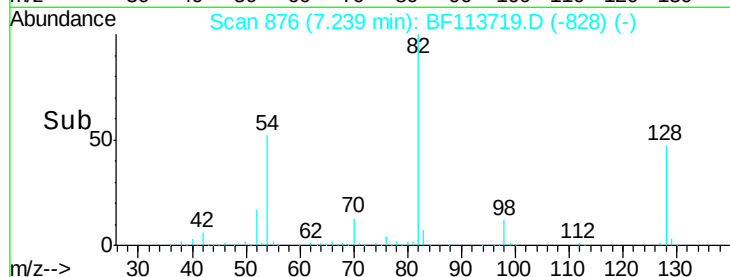
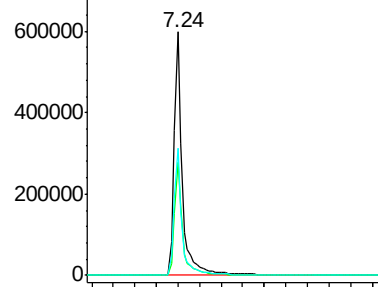
#23
 Nitrobenzene-d5
 Concen: 90.984 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 635683
 Ion Ratio Lower Upper
 82 100
 128 46.7 36.5 54.7
 54 52.0 42.2 63.2

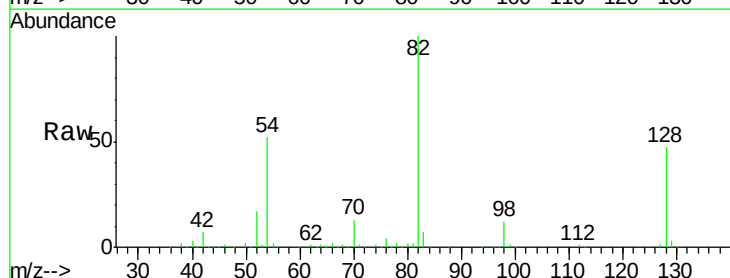


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

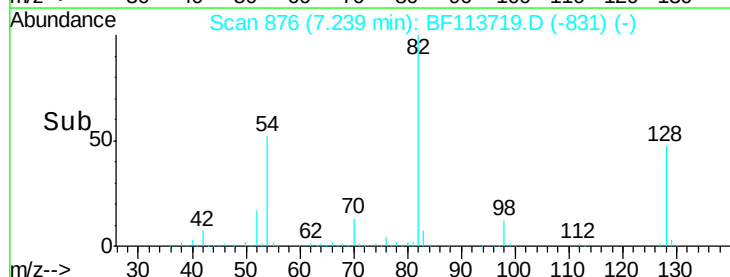
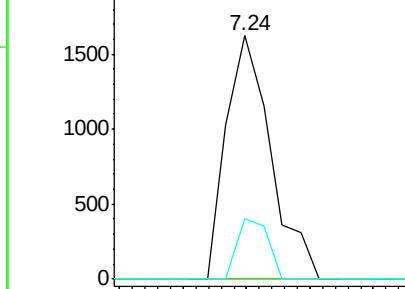


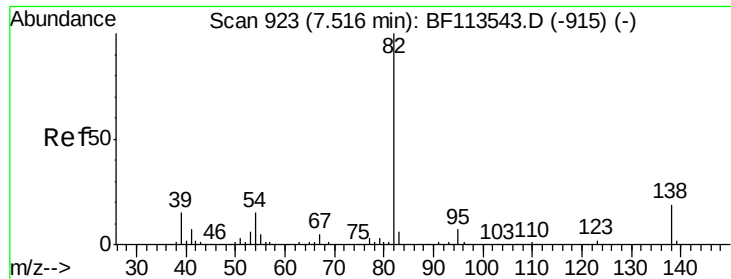
#24
 Nitrobenzene
 Concen: 0.220 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.04 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Tgt Ion: 77 Resp: 1581
 Ion Ratio Lower Upper
 77 100
 123 0.0 40.8 61.2#
 65 24.6 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: 47.231 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

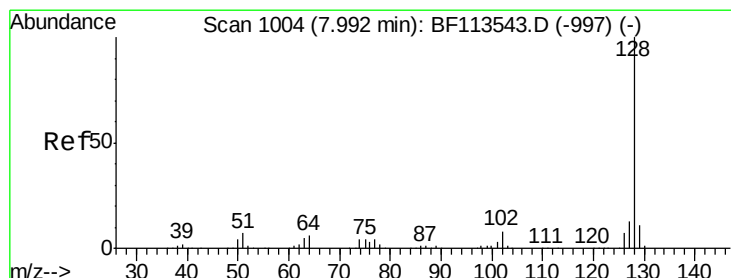
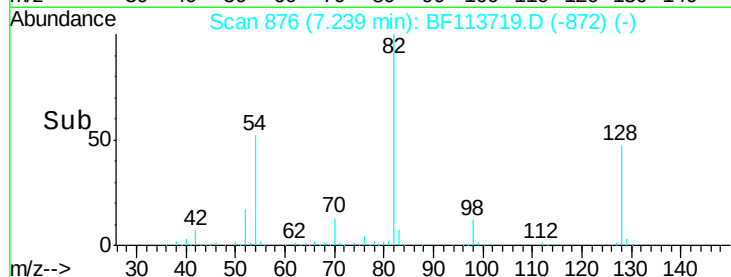
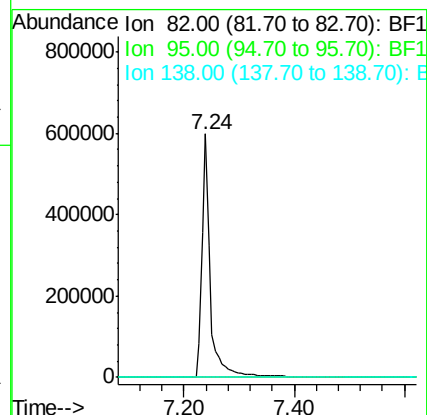
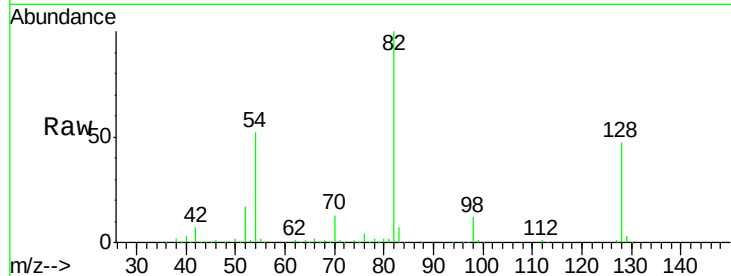
Tot Ion: 82 Resp: 635679

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



#31

Naphthalene

Concen: 0.053 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

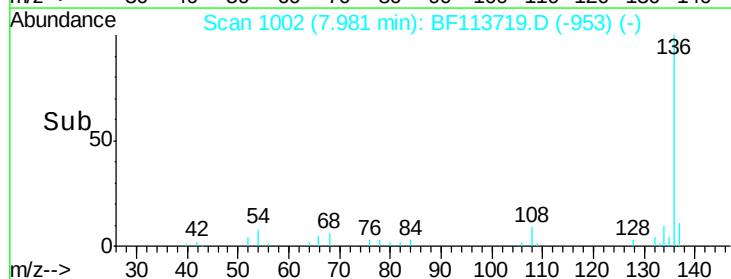
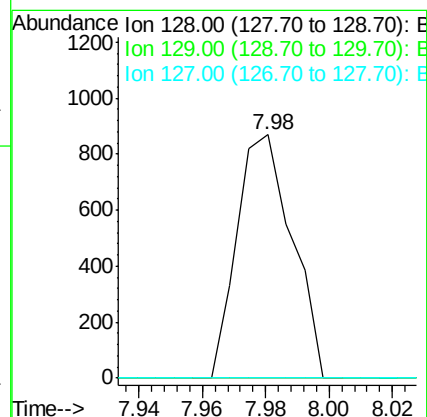
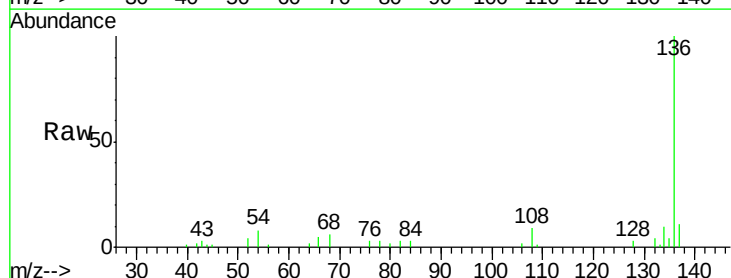
Tgt Ion: 128 Resp: 1045

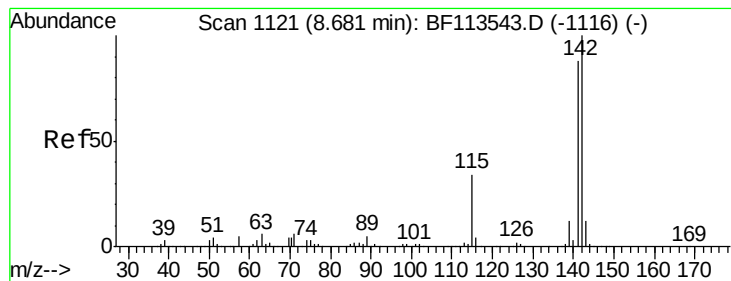
Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

127 0.0 10.9 16.3#





#37

2-Methylnaphthalene

Concen: 0.017 ng

RT: 8.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

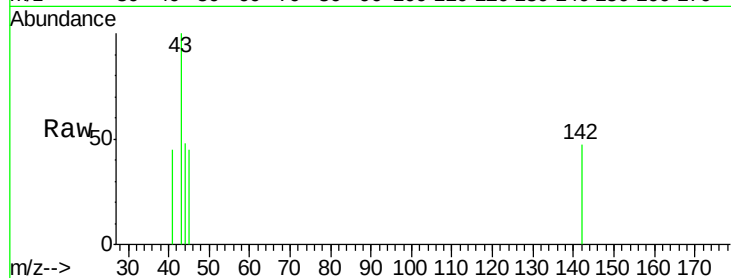
Tot Ion:142 Resp: 225

Ion Ratio Lower Upper

142 100

141 0.0 71.0 106.6#

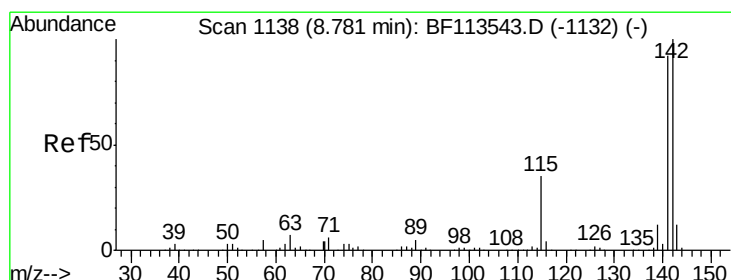
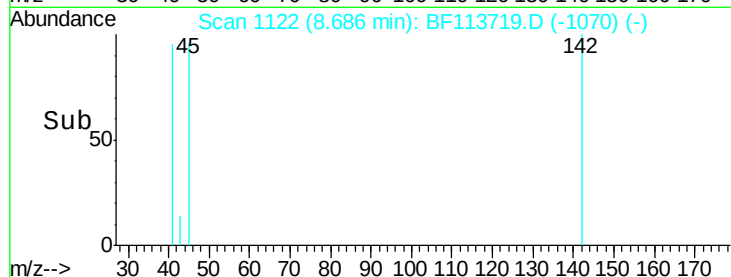
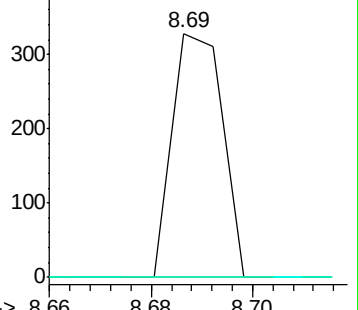
115 0.0 26.6 39.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 0.018 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.09 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

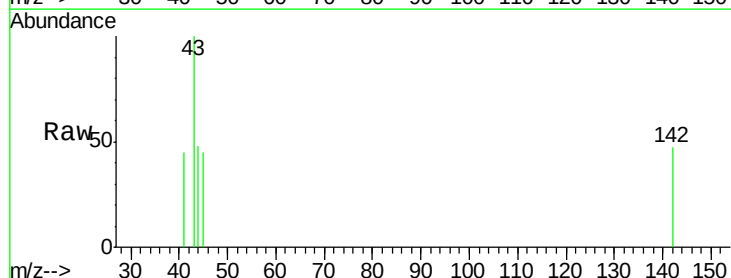
Tgt Ion:142 Resp: 225

Ion Ratio Lower Upper

142 100

141 0.0 73.2 109.8#

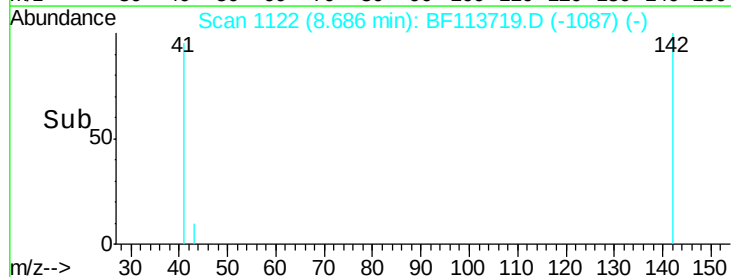
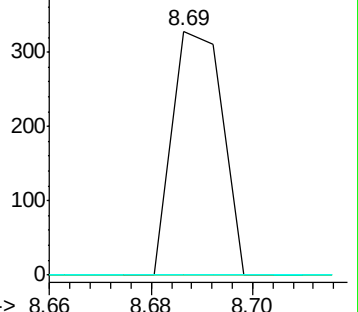
116 0.0 3.0 4.4#

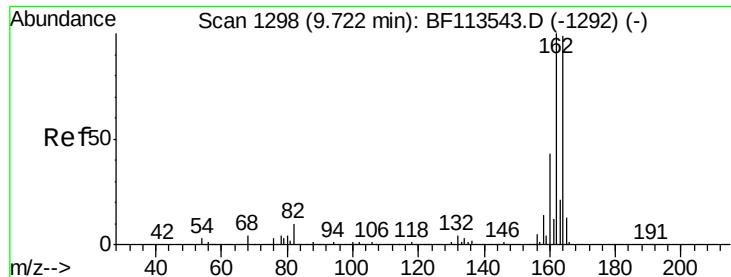


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

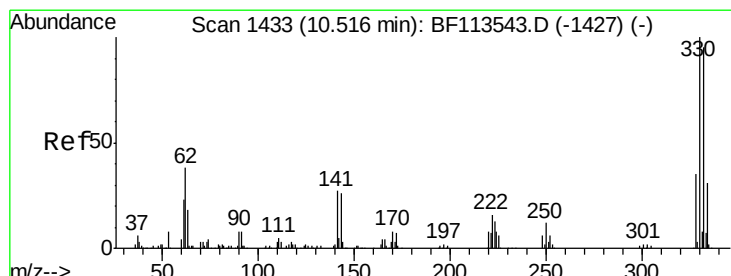
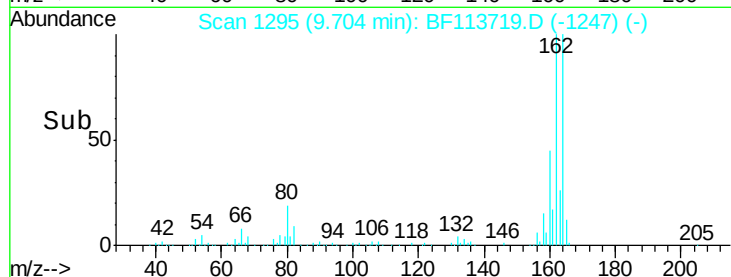
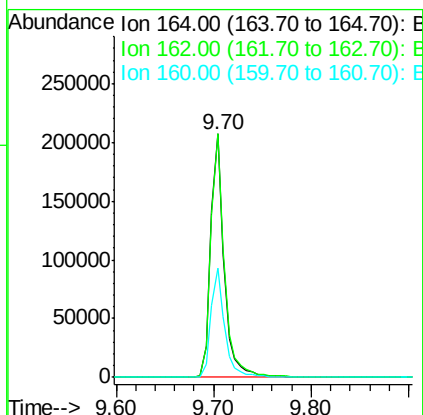
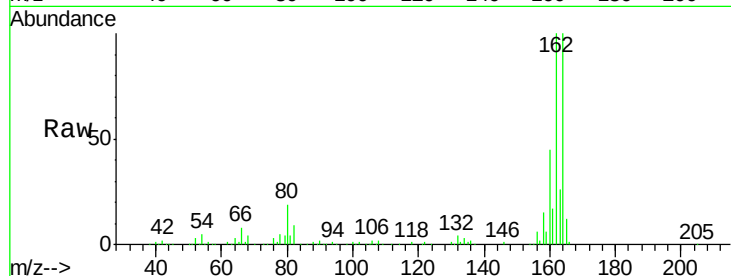




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

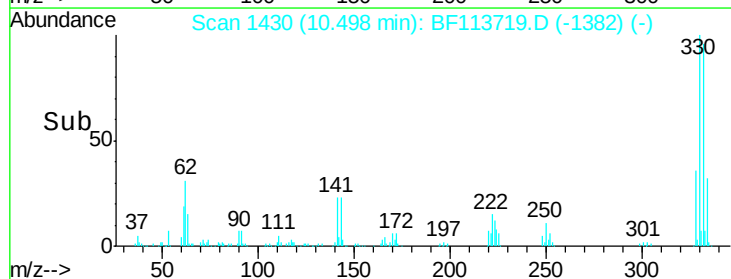
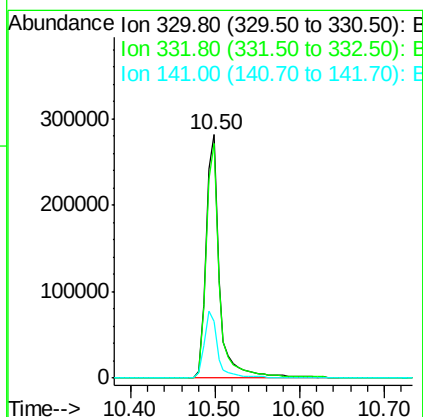
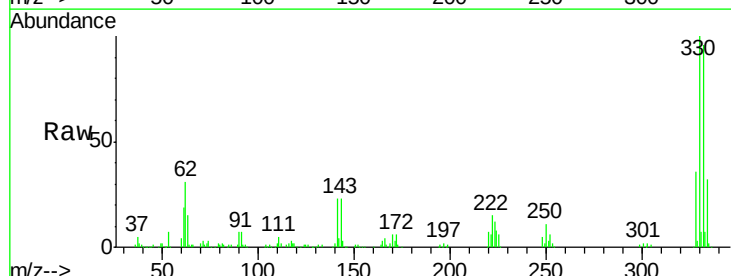
Instrument :
BNA_F
ClientSampleId :

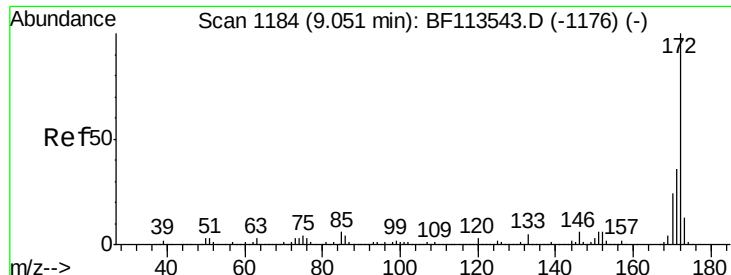
Tot Ion:164 Resp: 198612
Ion Ratio Lower Upper
164 100
162 100.2 81.8 122.6
160 44.9 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 131.592 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion:330 Resp: 313955
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.6
141 27.9 22.7 34.1



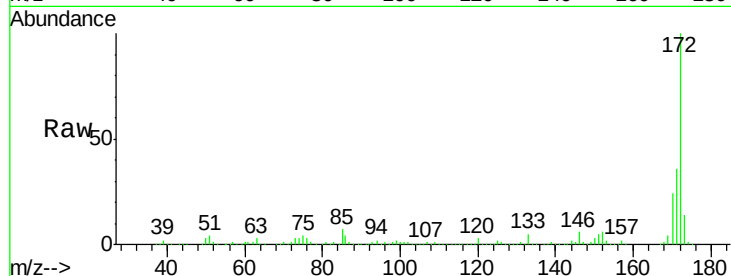


#45
 2-Fluorobiphenyl
 Concen: 97.963 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

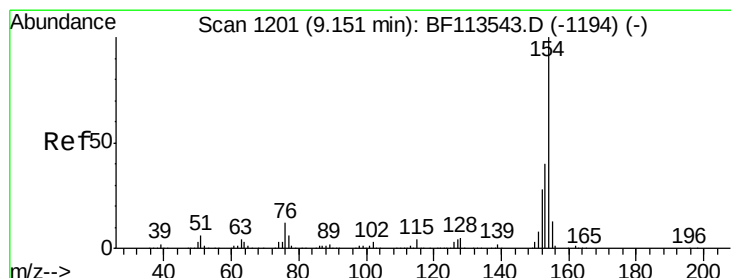
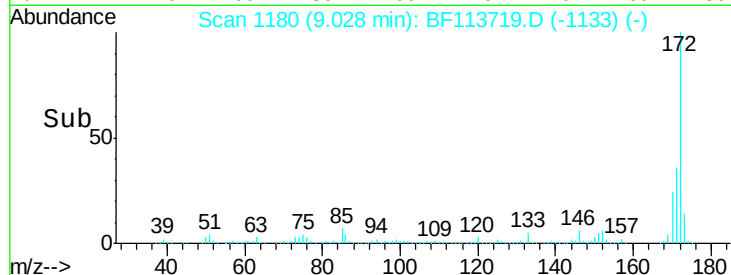
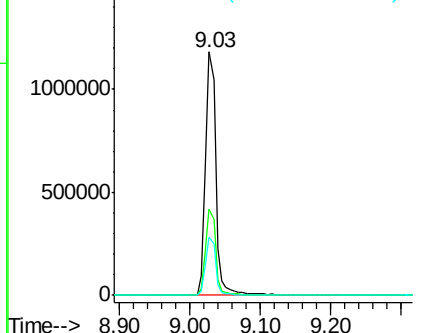
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1208572

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.6
170	23.9	19.5	29.3



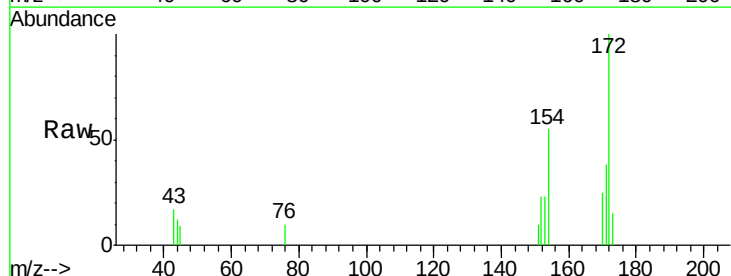
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



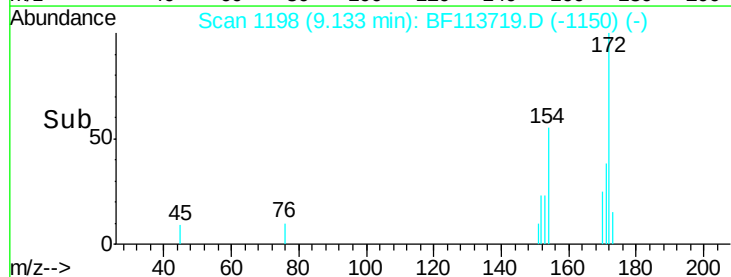
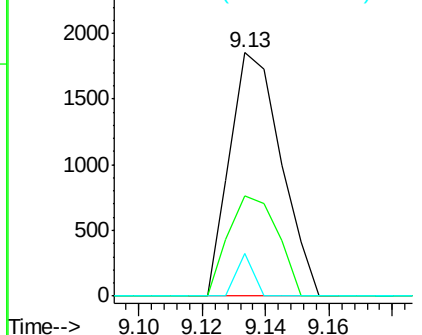
#46
 1,1'-Biphenyl
 Concen: 0.126 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

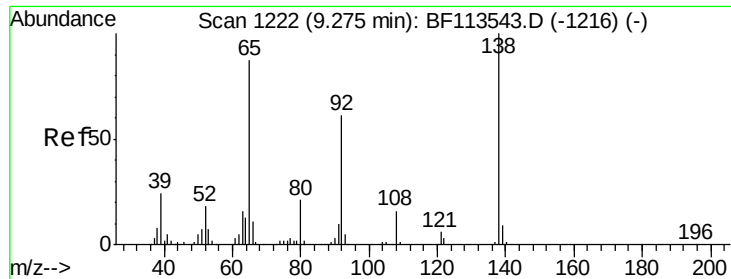
Tgt Ion:154 Resp: 2073

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.8	60.8
76	17.5	0.0	31.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

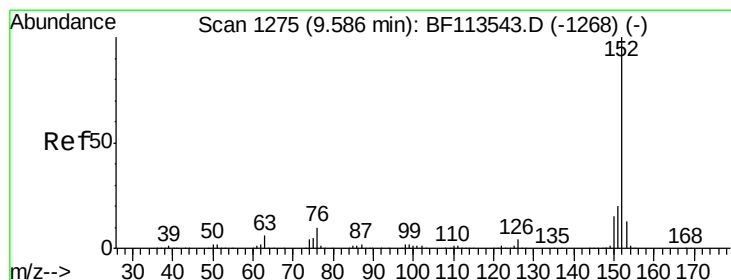
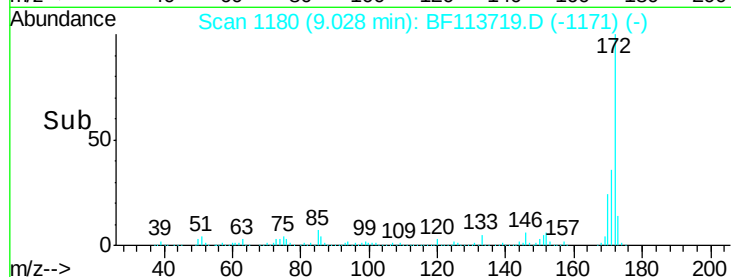
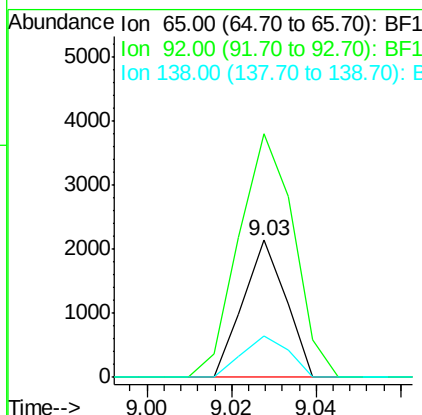
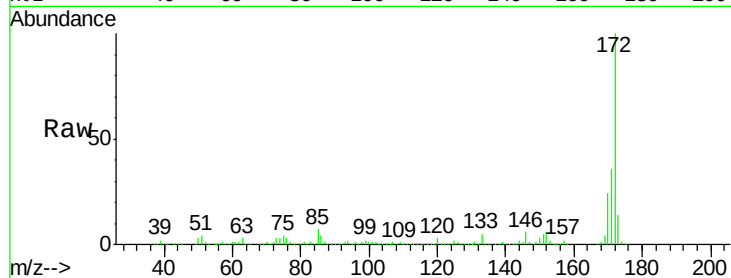




#48
2-Nitroaniline
Concen: 0.397 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.25 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

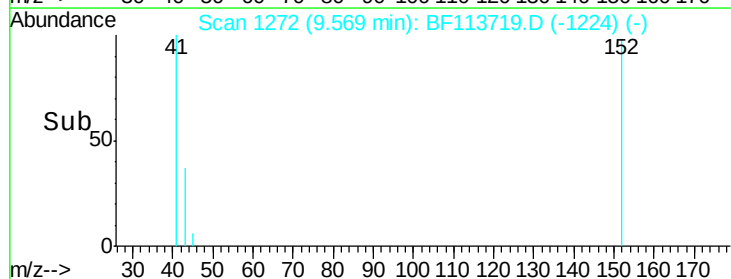
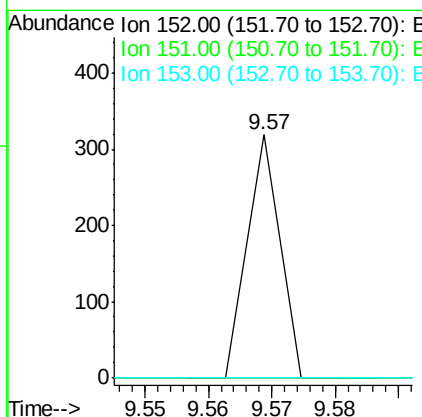
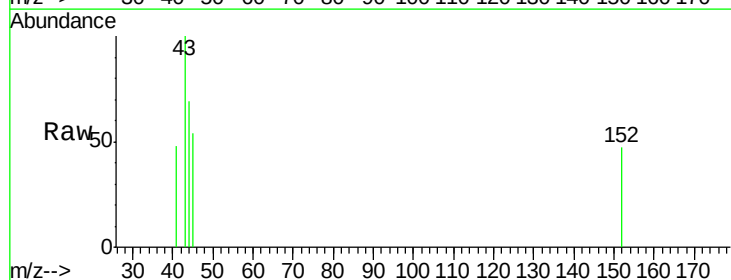
Instrument :
BNA_F
ClientSampleId :

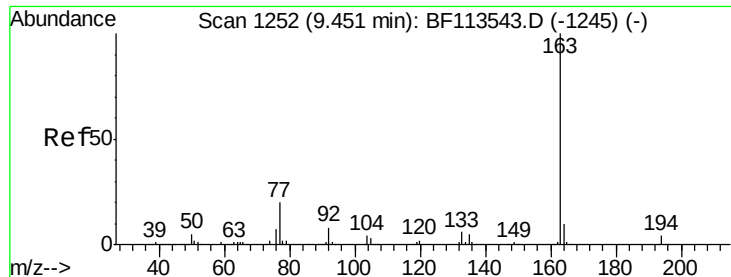
Tot Ion: 65 Resp: 1508
Ion Ratio Lower Upper
65 100
92 177.9 56.8 85.2#
138 30.3 92.3 138.5#



#49
Acenaphthylene
Concen: 0.006 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion: 152 Resp: 113
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#
153 0.0 11.0 16.6#





#50

Dimethylphthalate

Concen: 3.084 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.25 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampled :

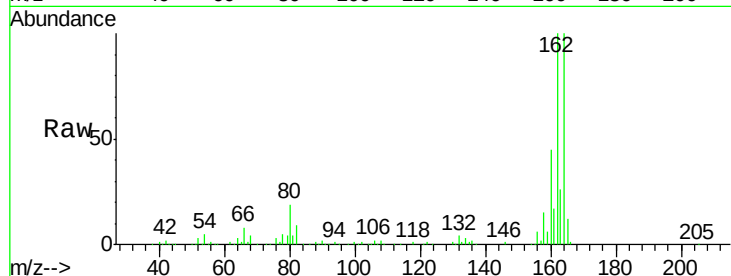
Tot Ion:163 Resp: 45148

Ion Ratio Lower Upper

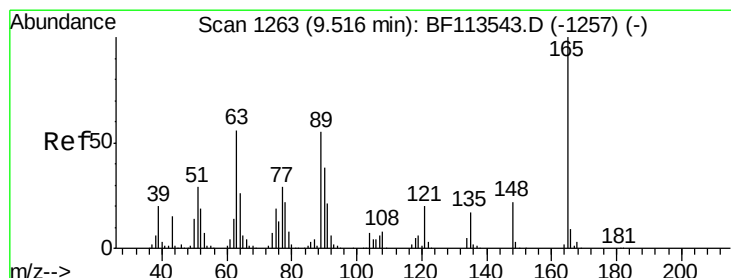
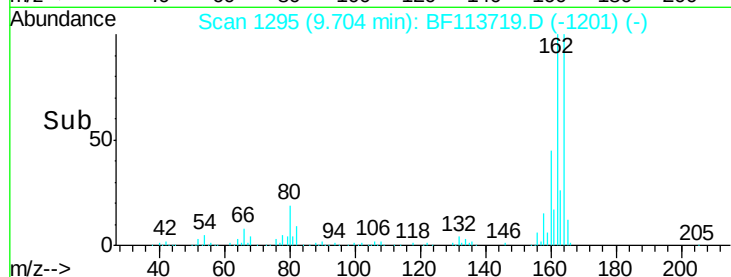
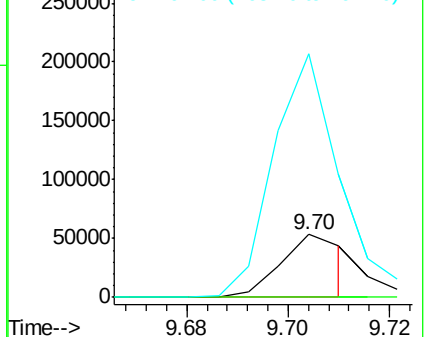
163 100

194 0.0 3.0 4.6#

164 388.8 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: 7.383 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.19 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

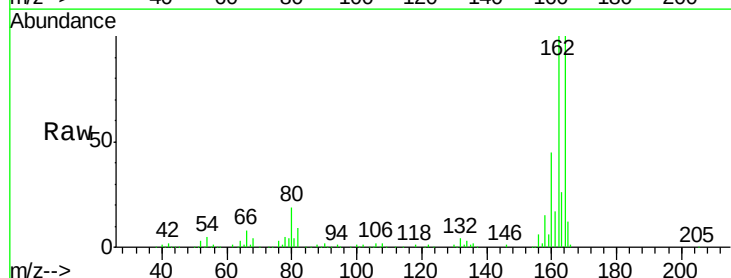
Tgt Ion:165 Resp: 23827

Ion Ratio Lower Upper

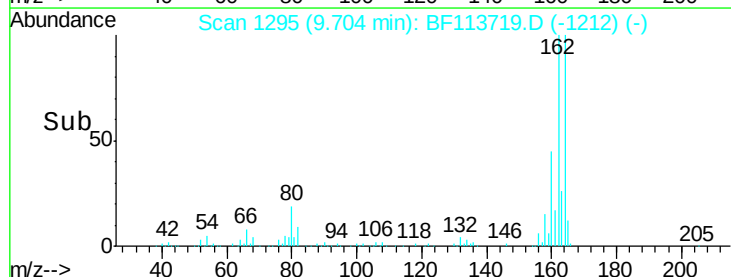
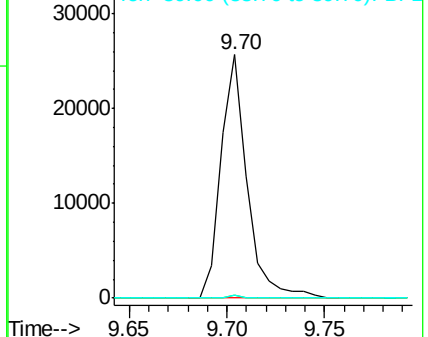
165 100

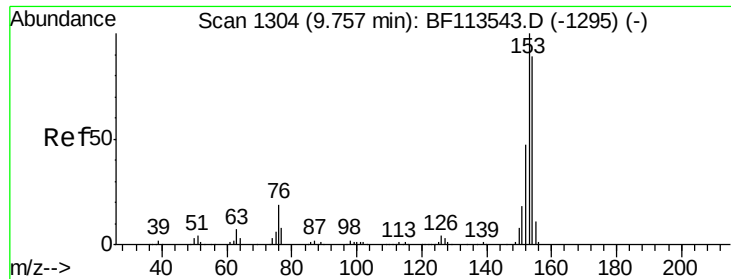
63 1.2 43.4 65.0#

89 1.4 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: 0.052 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampled :

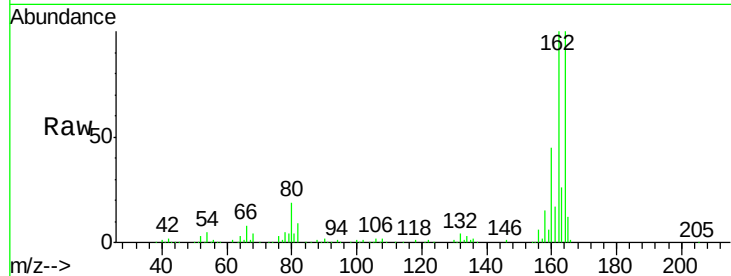
Tot Ion:154 Resp: 604

Ion Ratio Lower Upper

154 100

153 0.0 89.5 134.3#

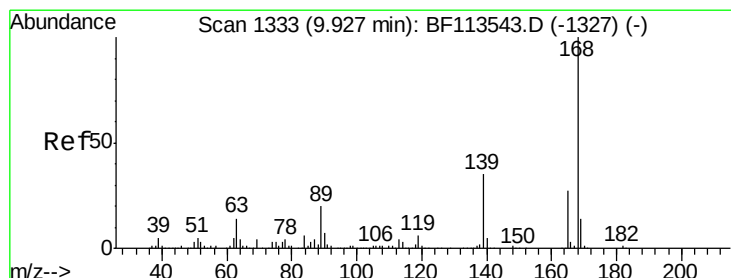
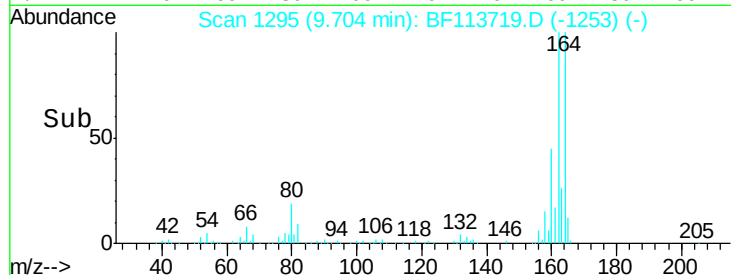
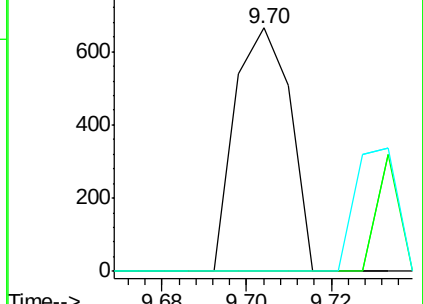
152 0.0 43.3 64.9#



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



#57

2,4-Dinitrotoluene

Concen: 6.105 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Tgt Ion:165 Resp: 23827

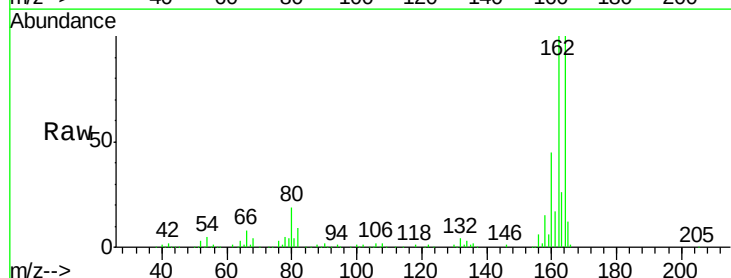
Ion Ratio Lower Upper

165 100

63 1.2 37.5 56.3#

89 1.4 57.4 86.2#

182 0.0 2.0 3.0#

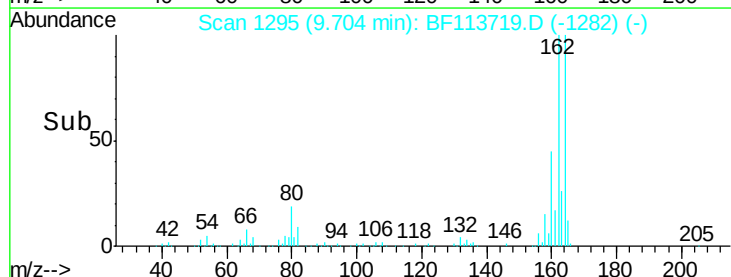
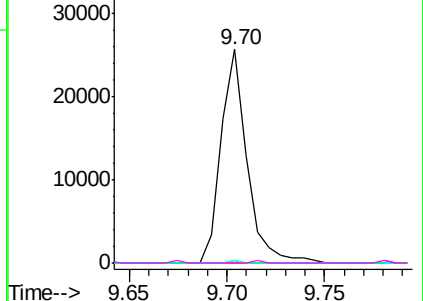


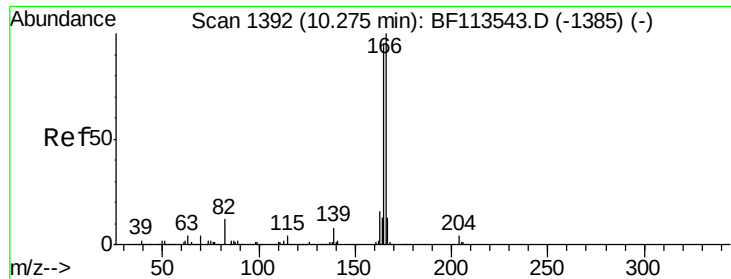
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.926 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.22 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

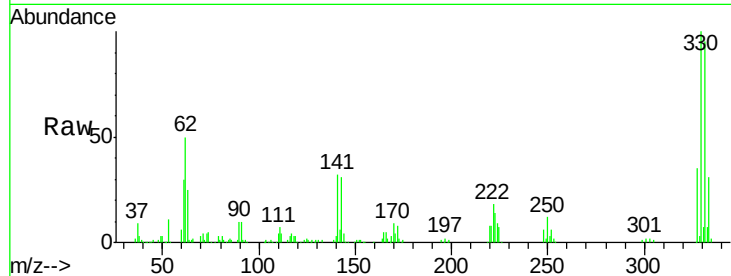
Tot Ion:166 Resp: 12403

Ion Ratio Lower Upper

166 100

165 102.1 76.2 114.2

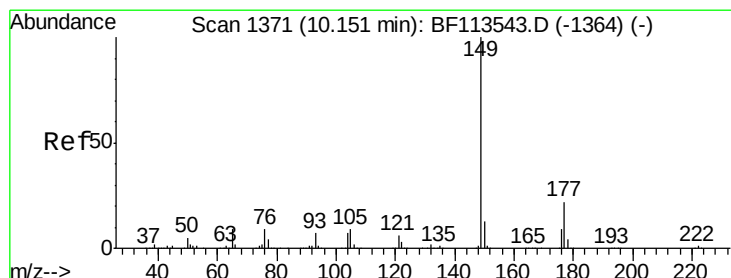
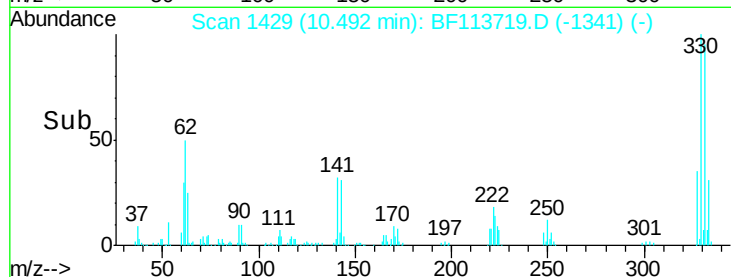
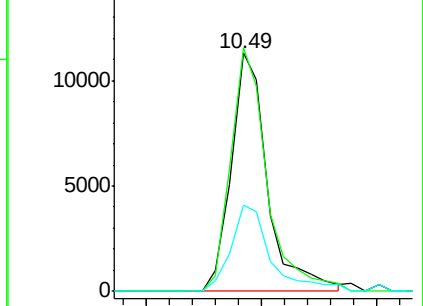
167 36.3 10.7 16.1#



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: 0.009 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

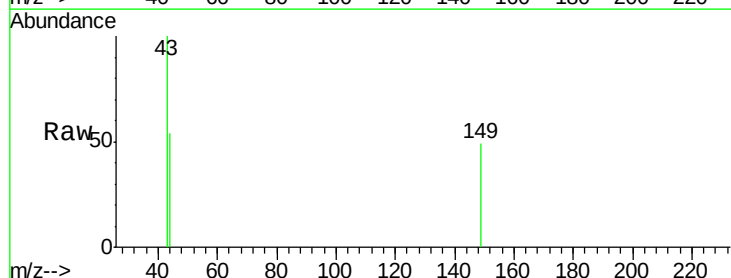
Tgt Ion:149 Resp: 122

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

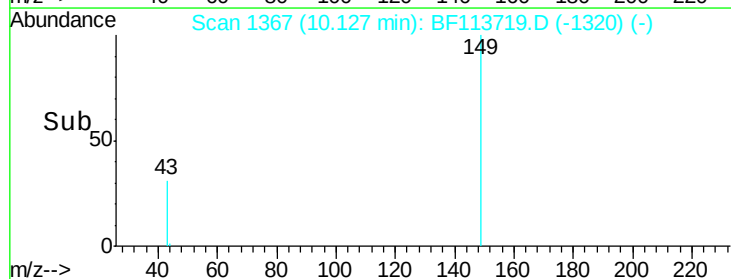
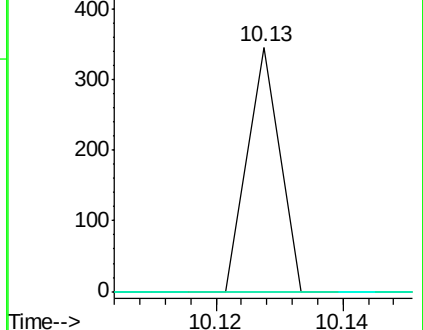
150 0.0 10.0 15.0#

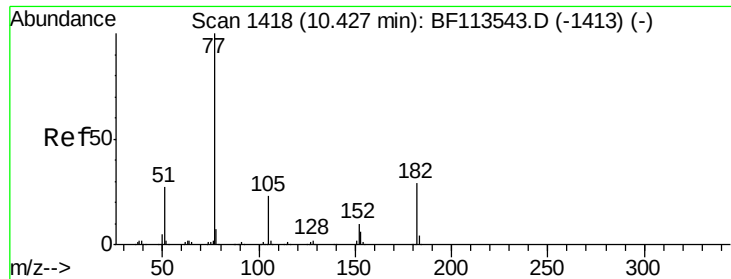


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.062 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 826

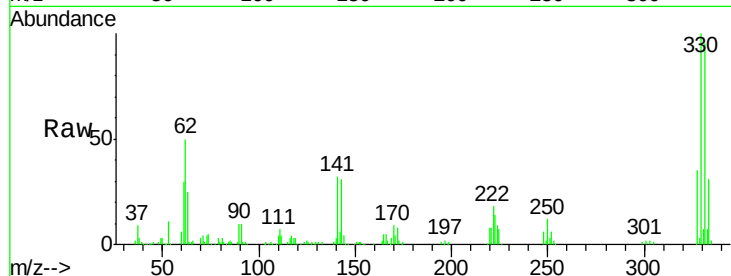
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 79.8 2.9 42.9#

51 94.5 8.8 48.8#

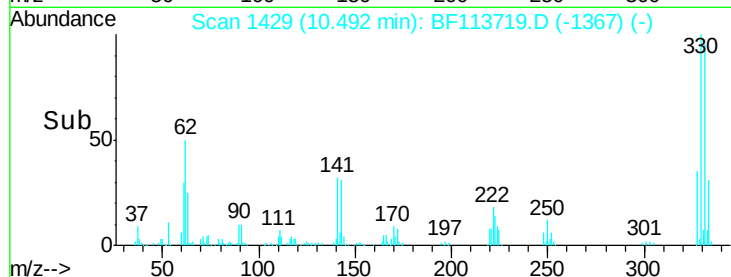


Abundance Ion 77.00 (76.70 to 77.70): BF1

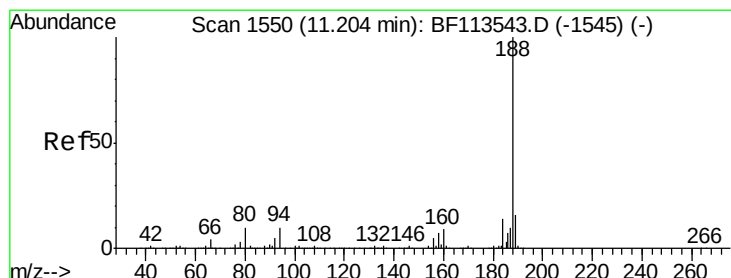
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



Time--> 10.46 10.48 10.50 10.52



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

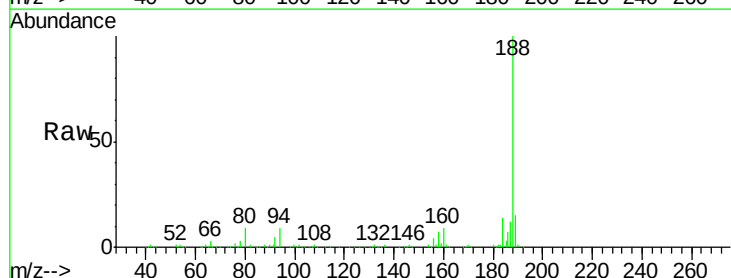
Tgt Ion: 188 Resp: 397085

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

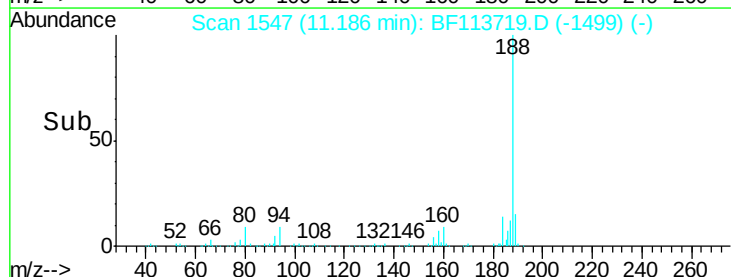
80 8.9 7.7 11.5



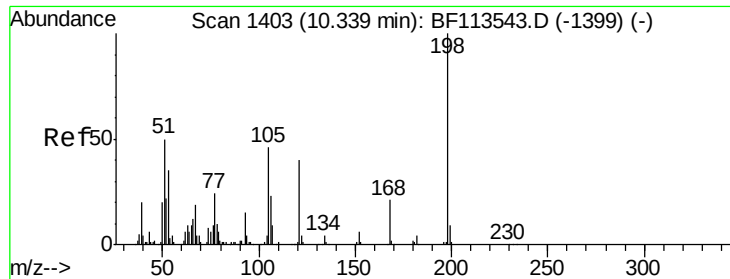
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



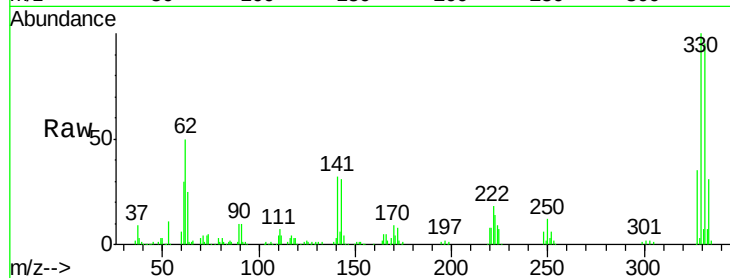
Time--> 11.10 11.20 11.30 11.40



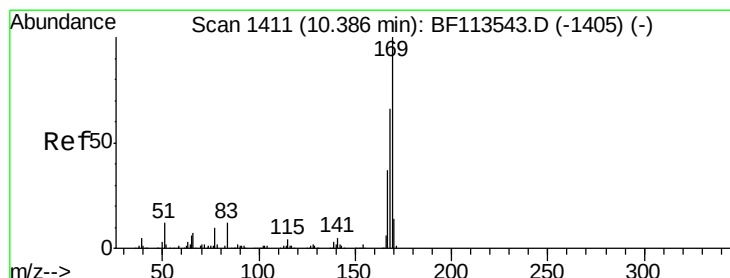
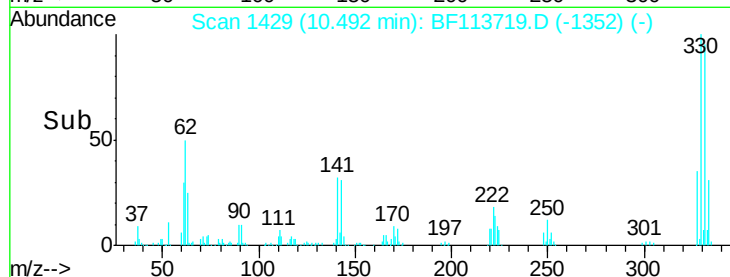
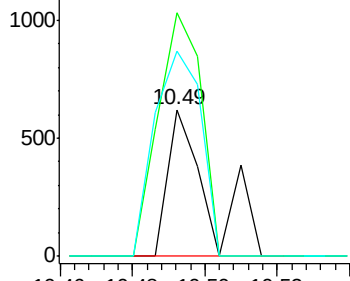
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.235 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.15 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 491
 Ion Ratio Lower Upper
 198 100
 51 165.9 21.6 61.6#
 105 140.1 20.6 60.6#

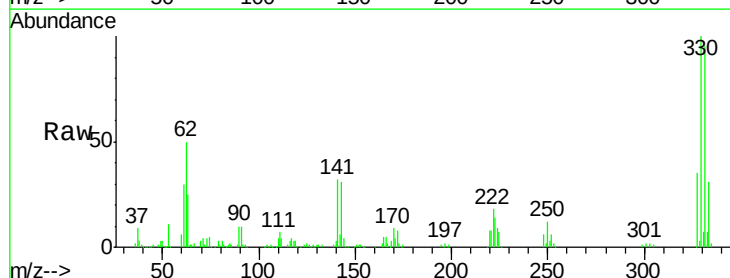


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

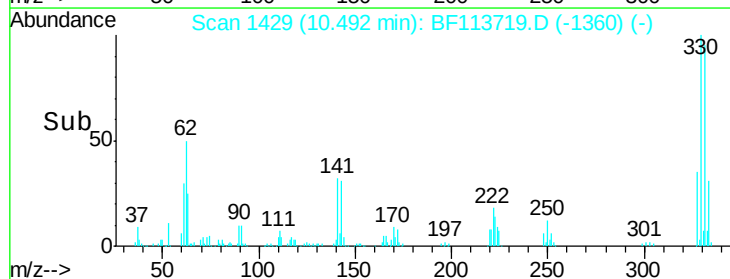
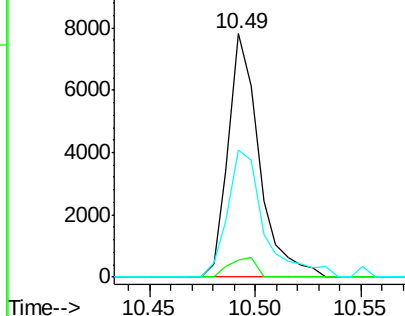


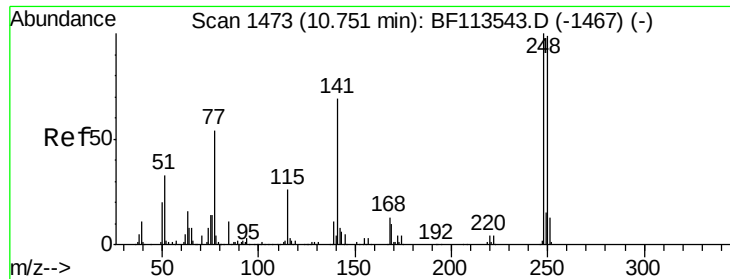
#66
 n-Nitrosodiphenylamine
 Concen: 0.654 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.11 min
 Lab File: BF113719.D
 Acq: 11 Apr 2019 14:40

Tgt Ion:169 Resp: 7977
 Ion Ratio Lower Upper
 169 100
 168 7.0 53.7 80.5#
 167 52.5 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

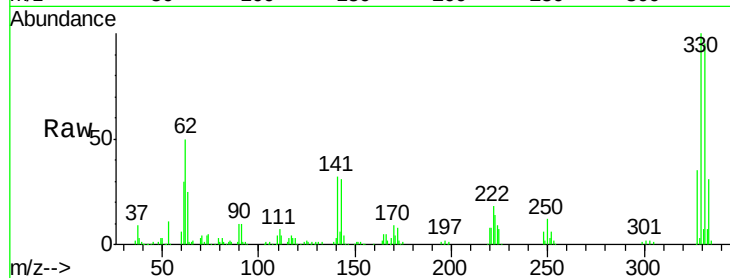




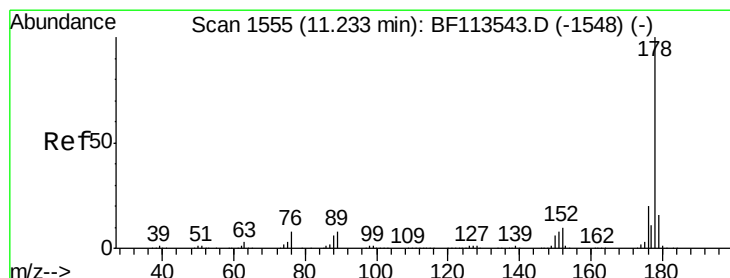
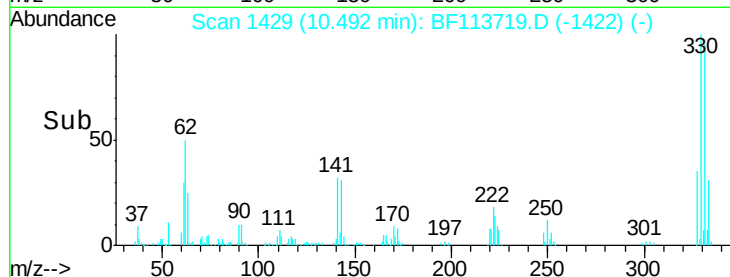
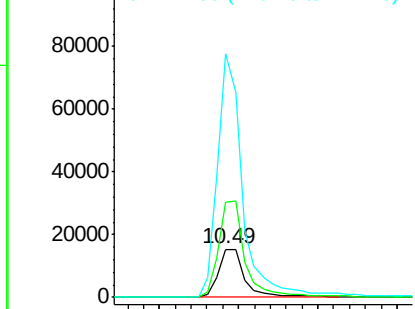
#67
4-Bromophenyl-phenylether
Concen: 4.003 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.26 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17828
Ion Ratio Lower Upper
248 100
250 196.4 78.3 117.5#
141 503.9 56.2 84.4#

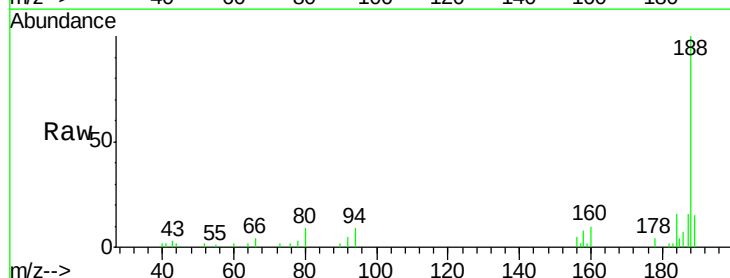


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

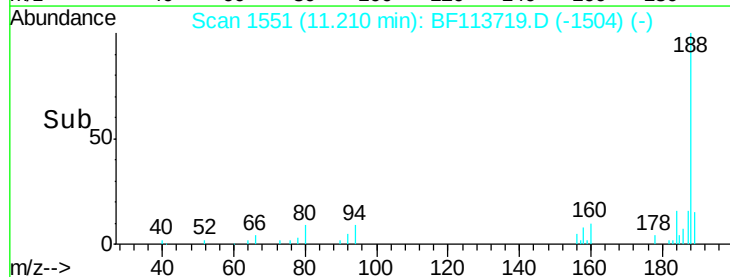
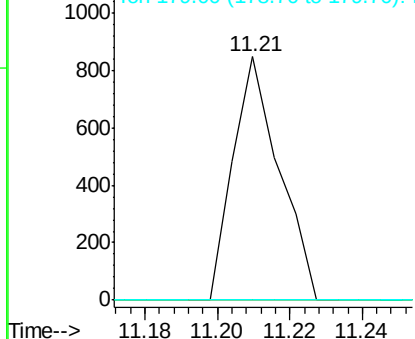


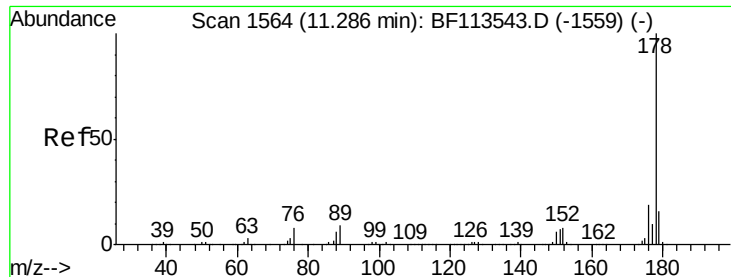
#71
Phenanthrene
Concen: 0.038 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion:178 Resp: 752
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.2#
179 0.0 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: 0.037 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

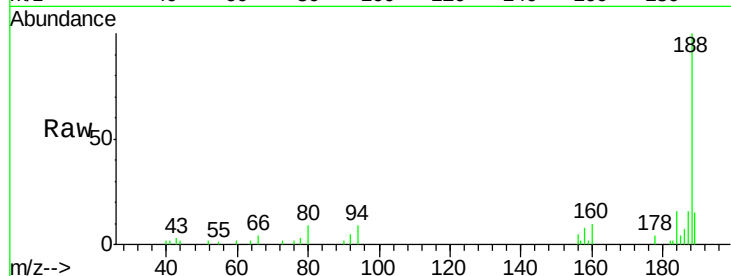
Tot Ion:178 Resp: 752

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

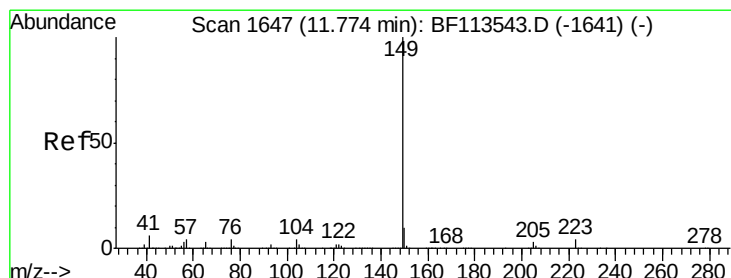
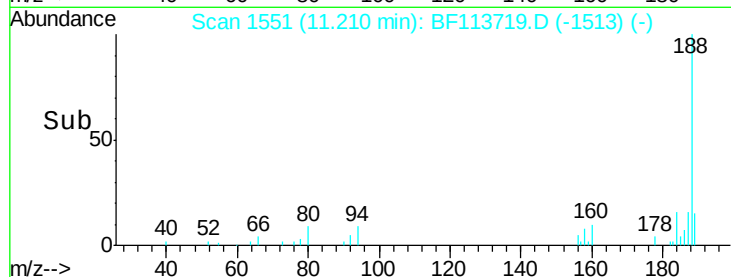
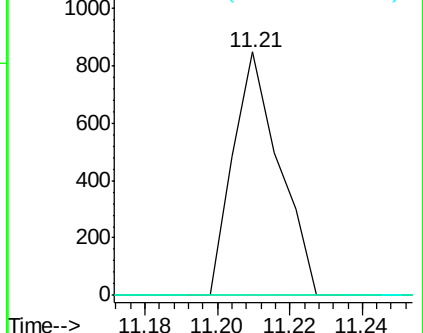
179 0.0 12.8 19.2#



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: 0.081 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

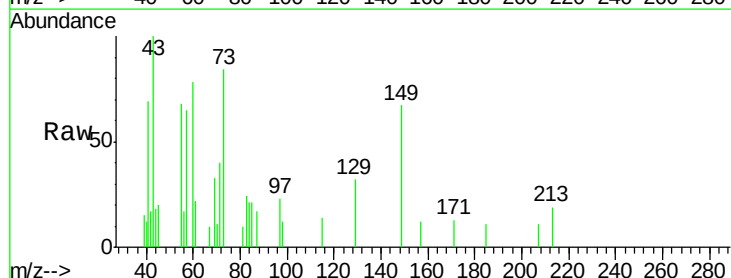
Tgt Ion:149 Resp: 1809

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

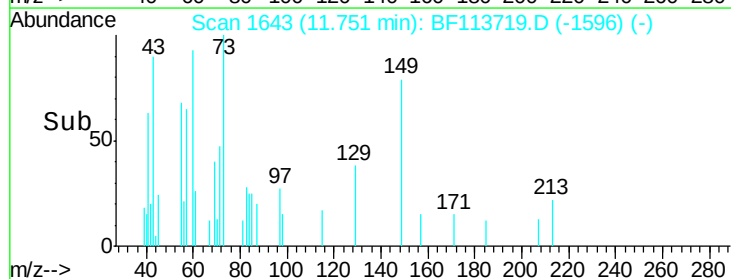
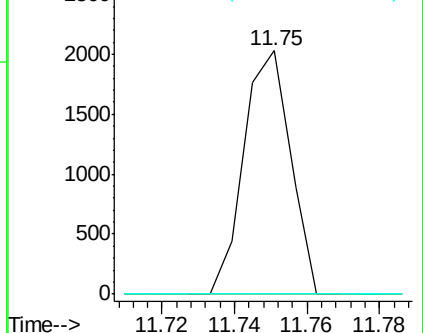
104 0.0 3.7 5.5#

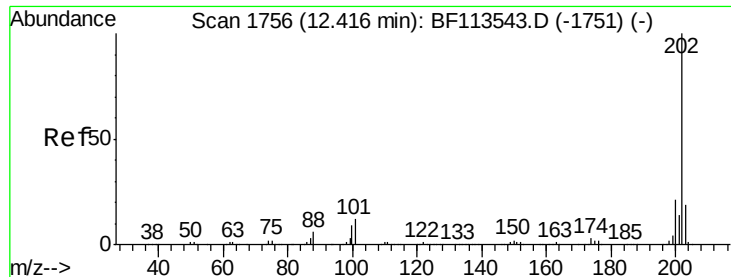


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.022 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

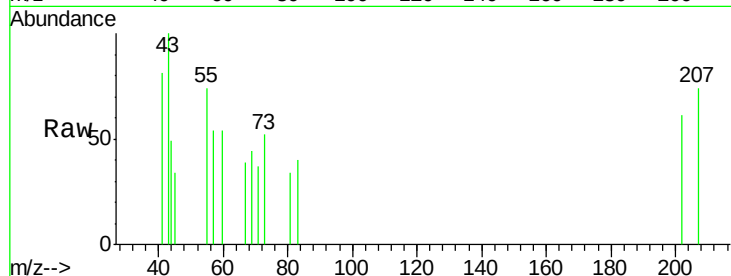
Tot Ion:202 Resp: 458

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.4

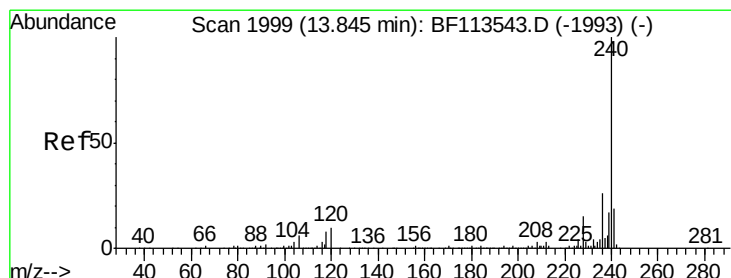
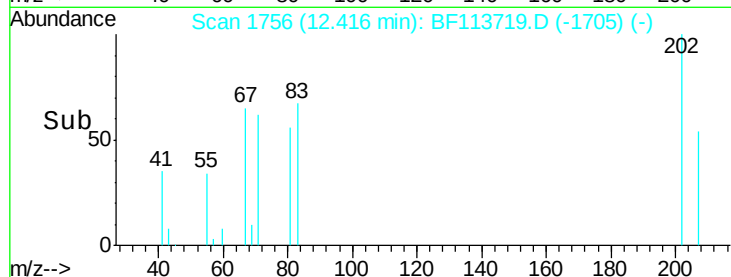
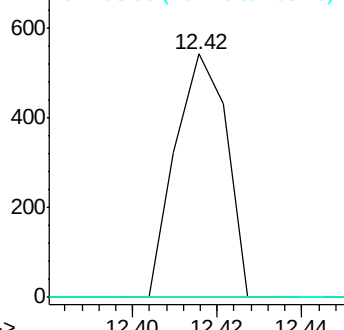
203 0.0 0.0 38.0



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: BF113719.D

Acq: 11 Apr 2019 14:40

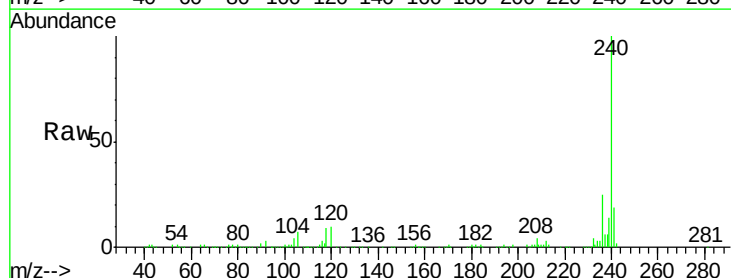
Tgt Ion:240 Resp: 287391

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

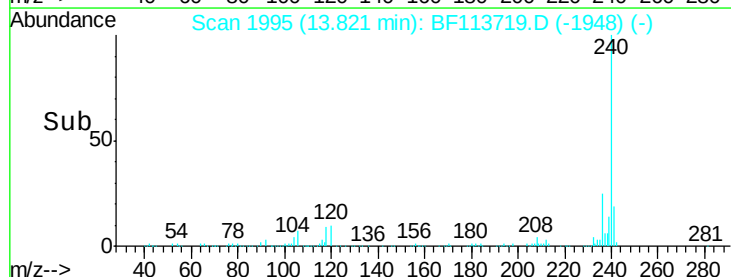
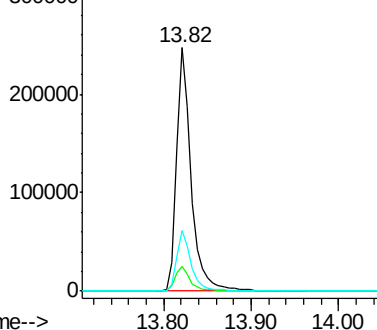
236 25.0 20.9 31.3

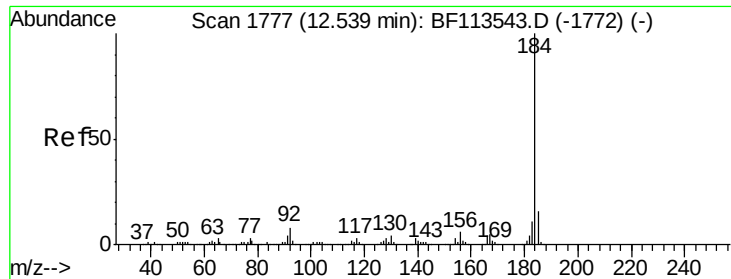


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.285 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.23 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

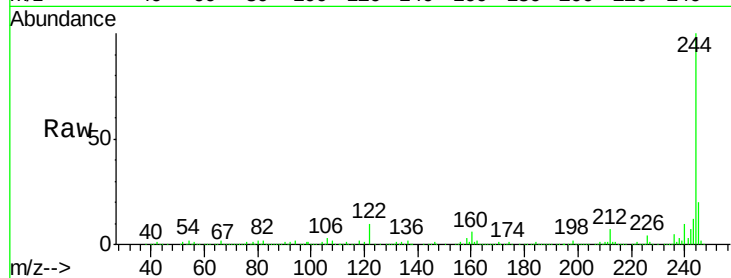
Tot Ion:184 Resp: 13731

Ion Ratio Lower Upper

184 100

185 17.6 13.0 19.6

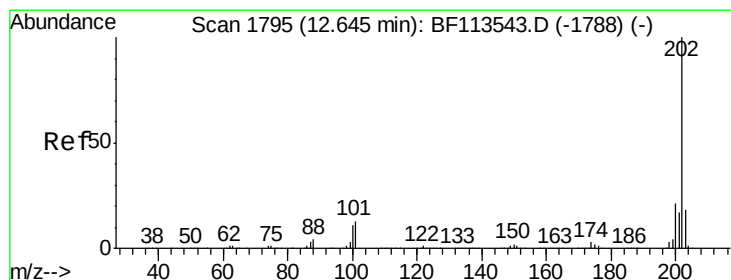
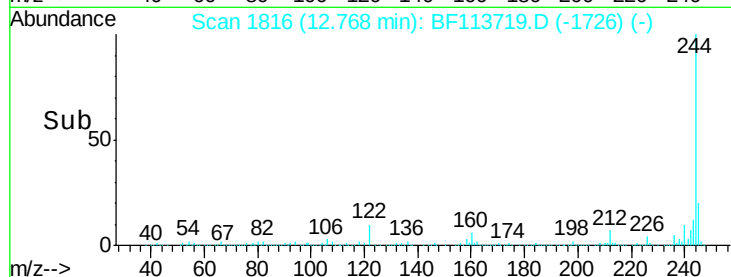
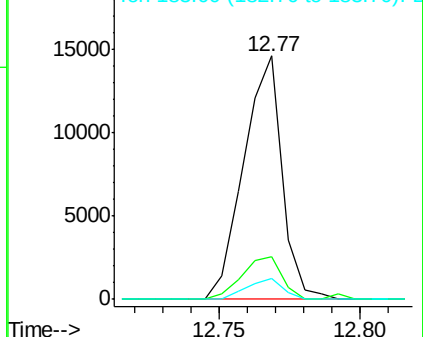
183 8.4 9.0 13.4#



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: 0.011 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

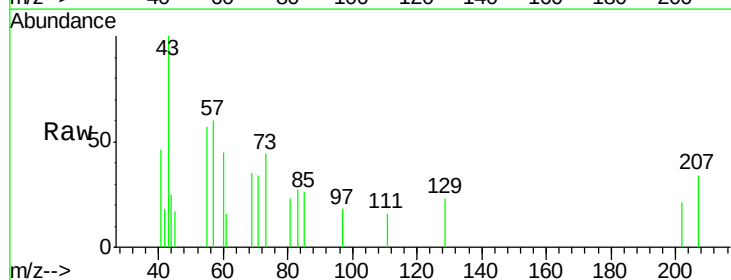
Tgt Ion:202 Resp: 243

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

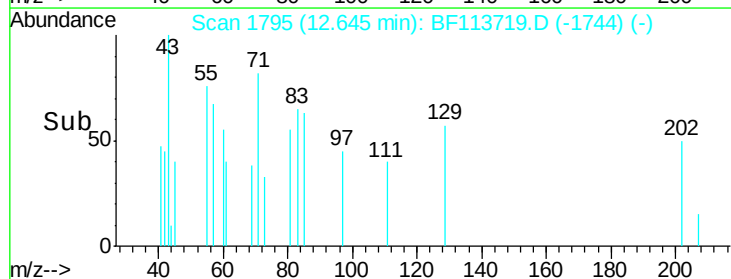
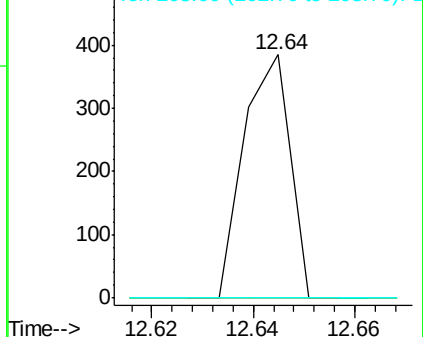
203 0.0 14.4 21.6#

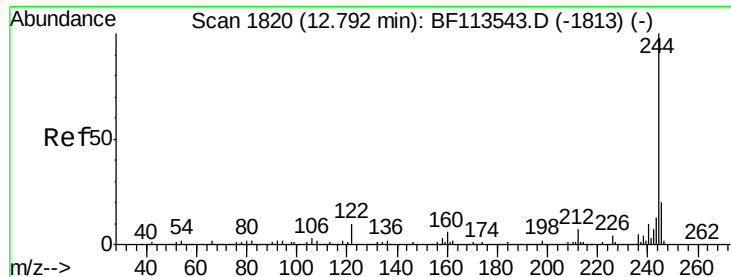


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 88.825 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

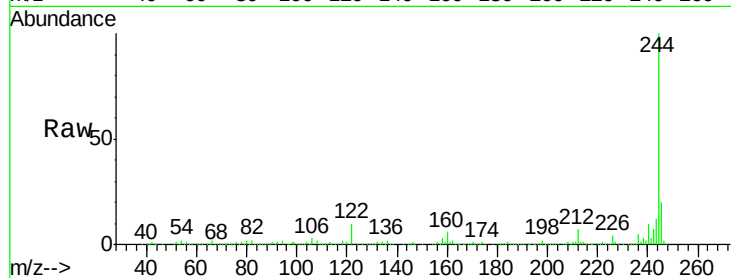
Tot Ion:244 Resp: 1253798

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

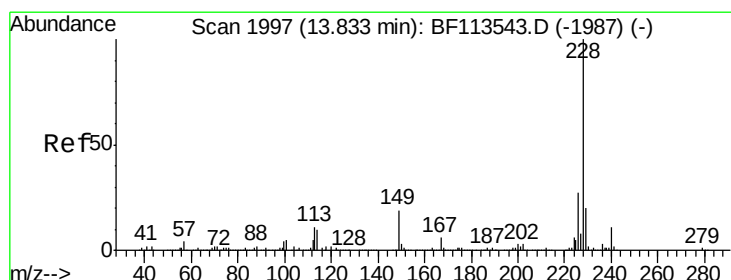
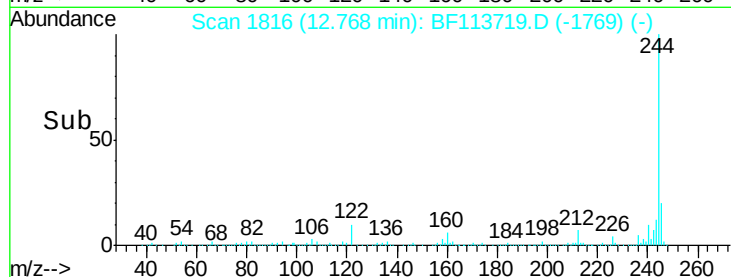
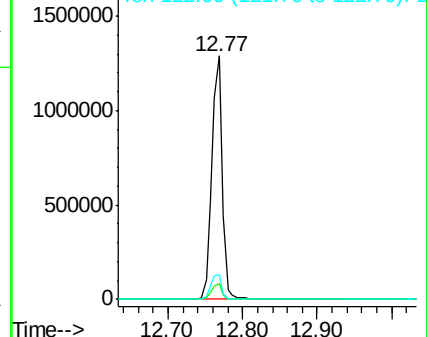
122 10.3 8.6 13.0



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: BF113719.D

Acq: 11 Apr 2019 14:40

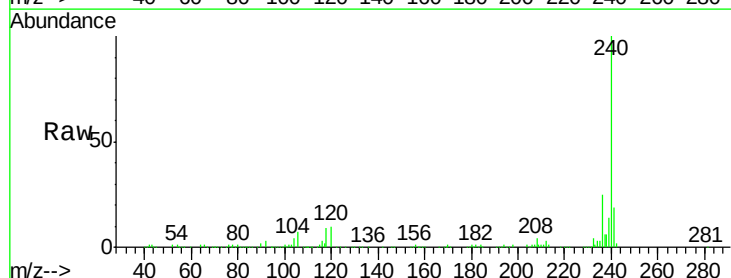
Tgt Ion:228 Resp: 731

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

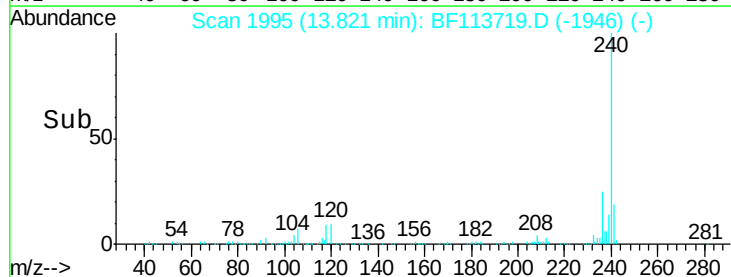
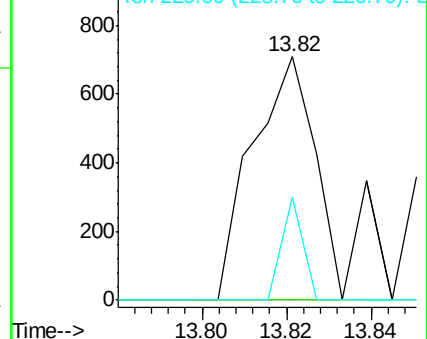
229 42.5 16.2 24.4#

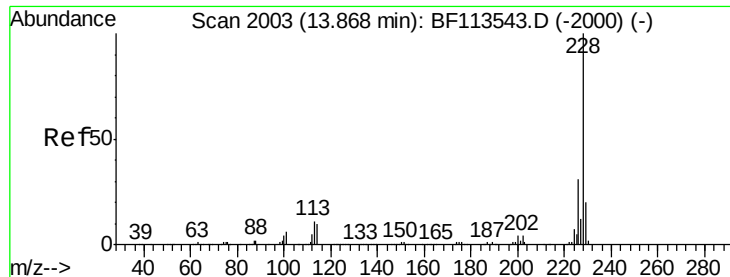


Abundance Ion 228.00 (227.70 to 228.70): E

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: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

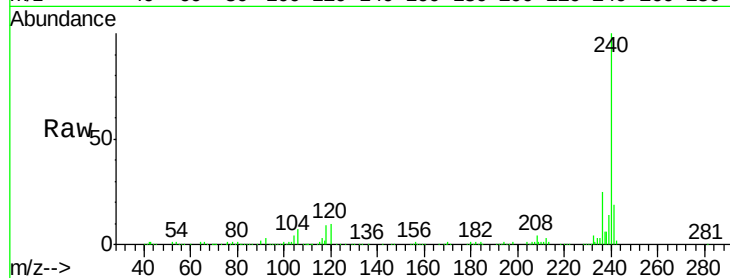
Tot Ion:228 Resp: 731

Ion Ratio Lower Upper

228 100

226 0.0 24.3 36.5#

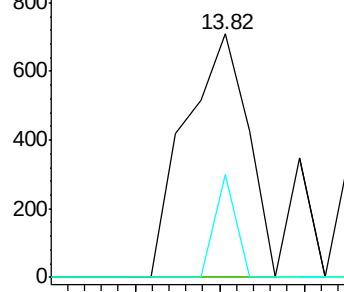
229 42.5 16.3 24.5#



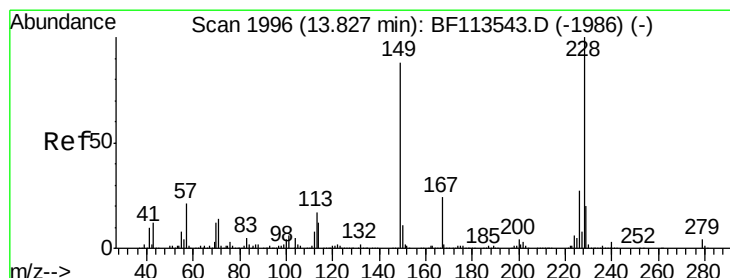
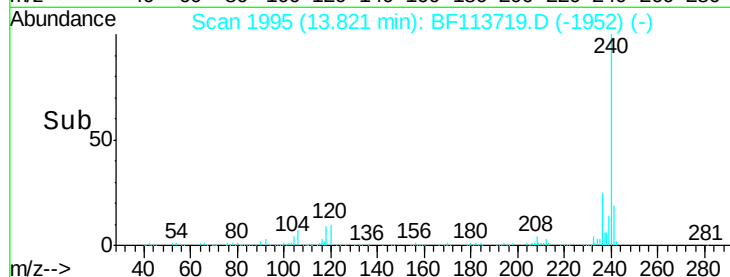
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.068 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

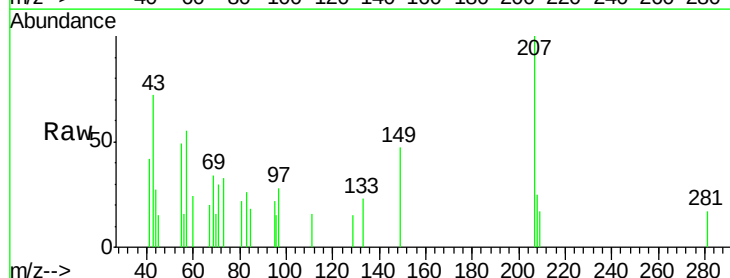
Tgt Ion:149 Resp: 727

Ion Ratio Lower Upper

149 100

167 0.0 21.8 32.8#

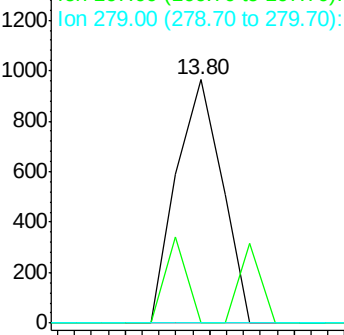
279 0.0 2.9 4.3#



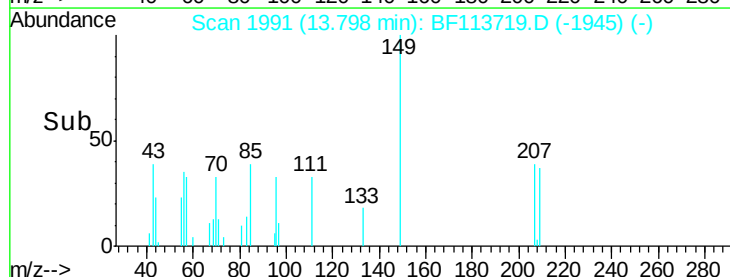
Abundance Ion 149.00 (148.70 to 149.70): E

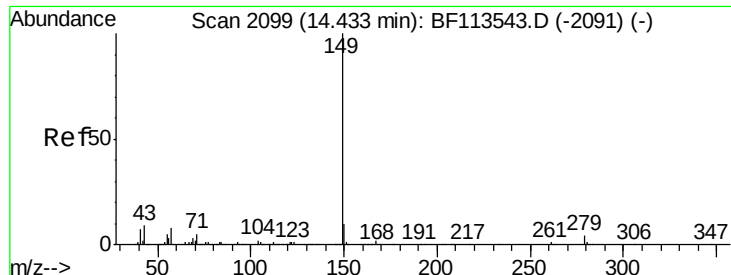
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

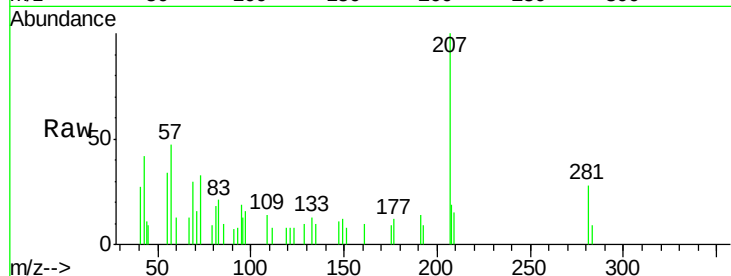




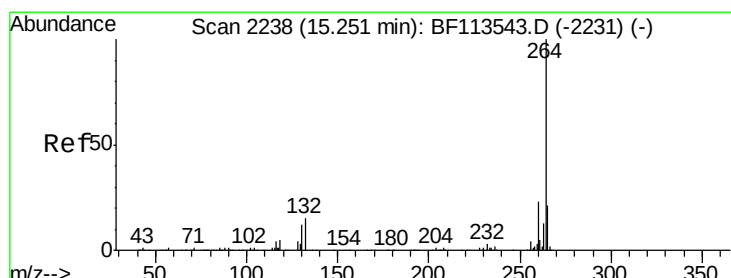
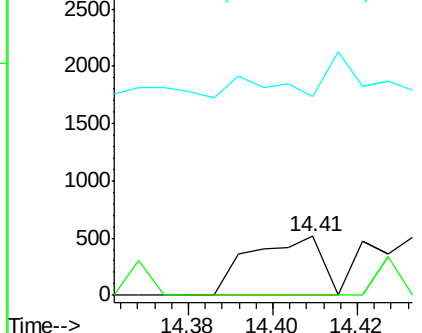
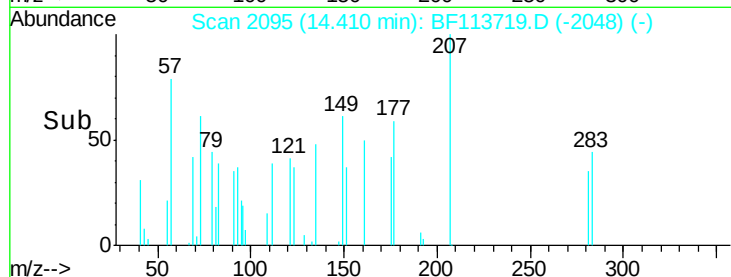
#85
Di-n-octyl phthalate
Concen: 0.034 ng
RT: 14.41 min Scan# 2095
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 600
Ion Ratio Lower Upper
149 100
167 20.0 1.3 1.9#
43 39.7 7.7 11.5#

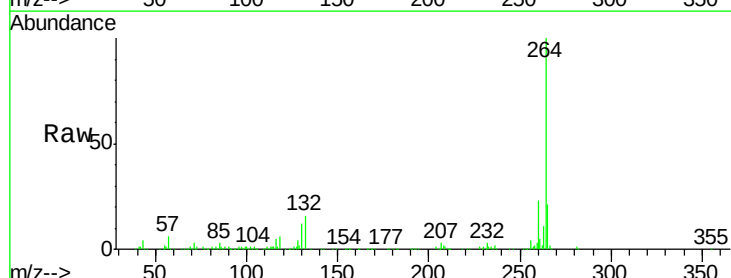


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

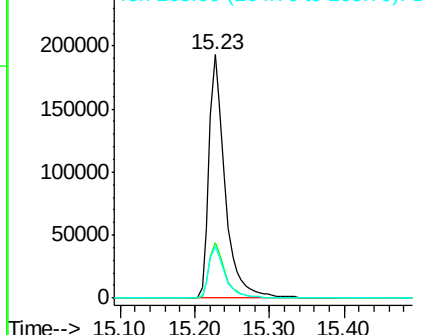
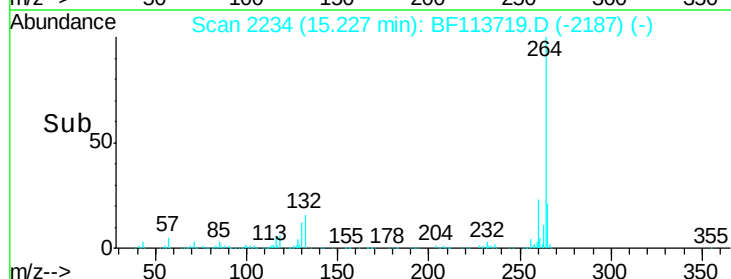


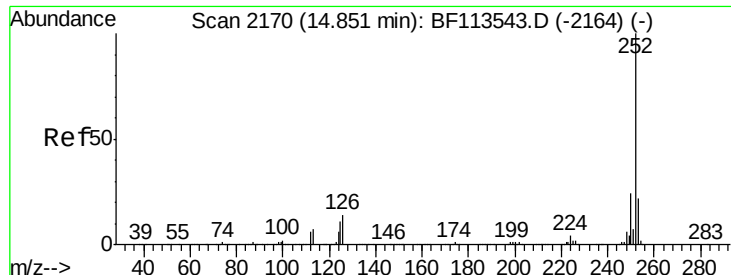
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF113719.D
Acq: 11 Apr 2019 14:40

Tgt Ion:264 Resp: 289652
Ion Ratio Lower Upper
264 100
260 23.0 19.1 28.7
265 21.1 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: 0.021 ng

RT: 14.87 min Scan# 2174

Delta R.T. 0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

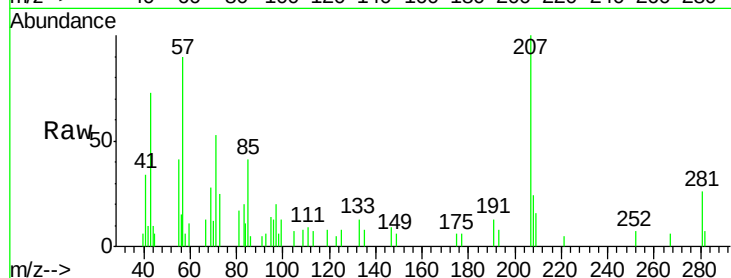
Tot Ion:252 Resp: 373

Ion Ratio Lower Upper

252 100

253 0.0 18.0 27.0#

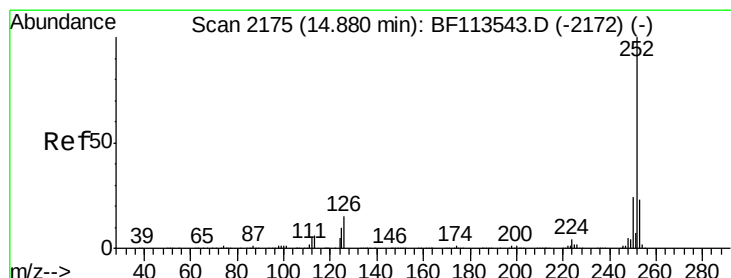
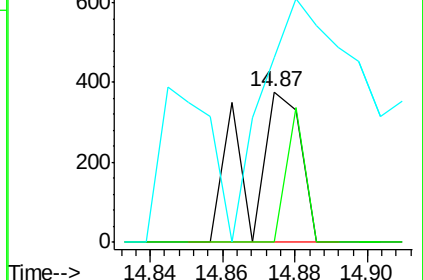
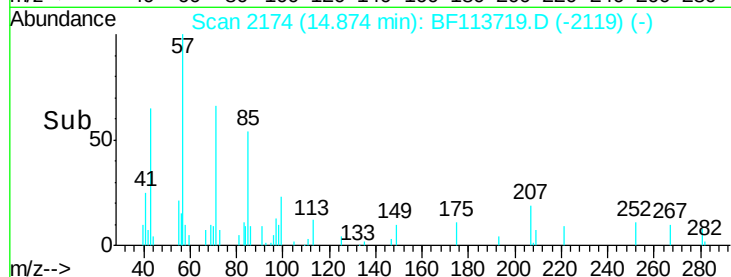
125 122.6 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

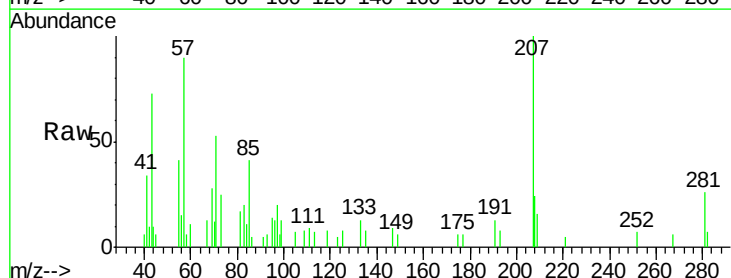
Tgt Ion:252 Resp: 373

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

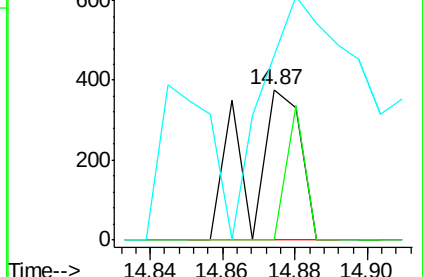
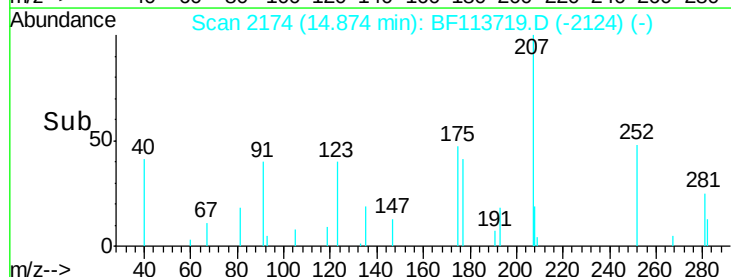
125 122.6 7.3 10.9#

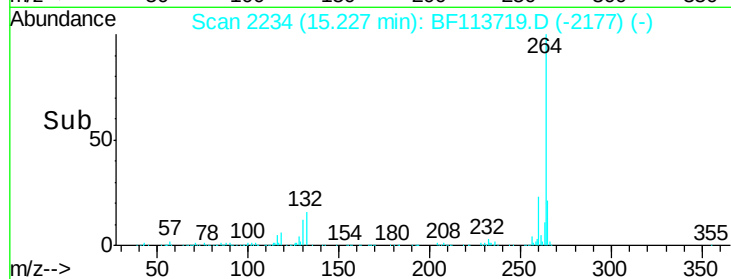
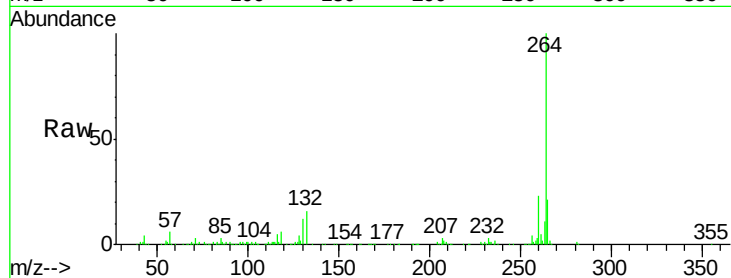
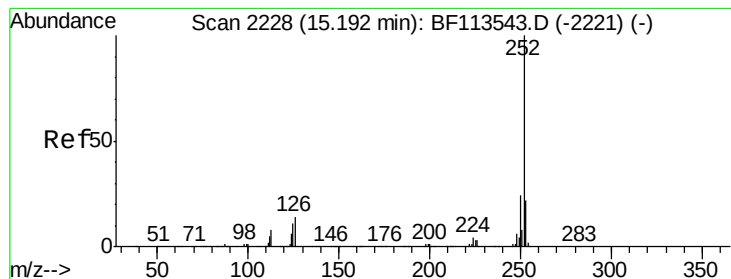


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.048 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.04 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 762

Ion Ratio Lower Upper

252 100

253 41.8 17.9 26.9#

125 80.9 8.8 13.2#

