

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113731.D
 Acq On : 11 Apr 2019 20:27
 Operator : JU/SJ
 Sample : K2343-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 01:02:39 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	122022	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	456431	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	216021	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	443387	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	344886	20.00	ng	-0.02
87) Perylene-d12	15.23	264	325250	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	868055	121.31	ng	0.00
7) Phenol-d6	6.33	99	1150540	130.45	ng	-0.01
23) Nitrobenzene-d5	7.24	82	677513	86.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	316084	121.81	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1251982	93.30	ng	-0.02
79) Terphenyl-d14	12.77	244	1326538	78.31	ng	-0.02

Target Compounds				Qvalue		
6) Aniline	6.45	93	1204	0.113	ng	# 1
8) 2-Chlorophenol	6.46	128	114	0.014	ng	# 1
9) Benzaldehyde	6.33	77	1329	0.253	ng	# 1
10) Phenol	6.34	94	6076	0.603	ng	# 1
11) bis(2-Chloroethyl)ether	6.45	93	1204	0.154	ng	# 1
15) Benzyl Alcohol	6.83	79	10243	1.718	ng	# 50
19) n-Nitroso-di-n-propylamine	7.24	70	86210	15.852	ng	# 78
24) Nitrobenzene	7.24	77	1838	0.229	ng	# 30
25) Isophorone	7.24	82	678795	45.221	ng	# 64
31) Naphthalene	7.98	128	613	0.028	ng	# 68
37) 2-Methylnaphthalene	8.70	142	107	0.007	ng	# 76
38) 1-Methylnaphthalene	8.79	142	150	0.011	ng	# 83
46) 1,1'-Biphenyl	9.14	154	1977	0.111	ng	# 92
48) 2-Nitroaniline	9.43	65	886	0.215	ng	# 1
49) Acenaphthylene	9.57	152	849	0.039	ng	# 60
50) Dimethylphthalate	9.43	163	124578	7.823	ng	# 99
51) 2,6-Dinitrotoluene	9.43	165	1081	0.308	ng	# 4
52) Acenaphthene	9.74	154	421	0.034	ng	# 87
55) Dibenzofuran	9.94	168	143	0.008	ng	# 45
57) 2,4-Dinitrotoluene	9.70	165	27251	6.419	ng	# 23
58) Fluorene	10.27	166	443	0.030	ng	# 95
60) Diethylphthalate	10.13	149	372	0.024	ng	# 59
63) Azobenzene	10.49	77	944	0.065	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	343	0.147	ng	# 83
66) n-Nitrosodiphenylamine	10.49	169	7978	0.586	ng	# 46
67) 4-Bromophenyl-phenylether	10.49	248	17661	3.552	ng	# 1
71) Phenanthrene	11.21	178	6004	0.273	ng	# 95
72) Anthracene	11.21	178	6004	0.268	ng	# 96
74) Di-n-butylphthalate	11.75	149	1354	0.054	ng	# 78
75) Fluoranthene	12.41	202	13980	0.592	ng	# 96
77) Benzidine	12.76	184	14999	1.169	ng	# 94
78) Pyrene	12.63	202	14166	0.540	ng	# 97
80) Butylbenzylphthalate	13.48	149	231	0.022	ng	# 25
81) Benzo(a)anthracene	13.81	228	7871	0.396	ng	# 97

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 QLast Update : Thu Apr 04 04:05:31 2019
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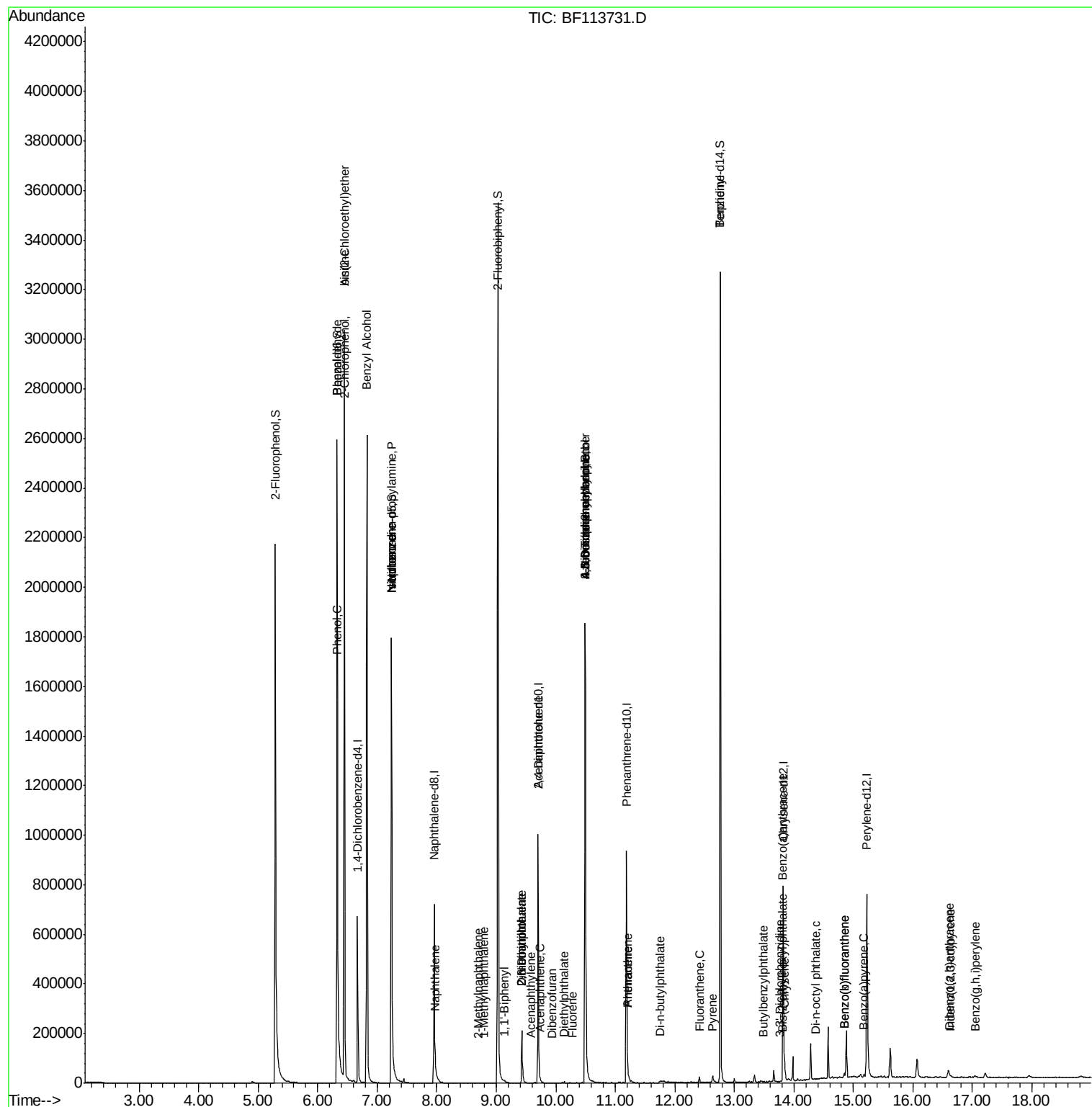
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	13.77	252	243	0.032	ng	# 25
83) Chrysene	13.84	228	8223	0.408	ng	93
84) Bis(2-ethylhexyl)phthalate	13.80	149	944	0.073	ng	# 78
85) Di-n-octyl phthalate	14.38	149	484	0.023	ng	# 77
86) Indeno(1,2,3-cd)pyrene	16.63	276	6845	0.368	ng	# 83
88) Benzo(b)fluoranthene	14.84	252	14872	0.747	ng	# 88
89) Benzo(k)fluoranthene	14.84	252	14872	0.832	ng	# 88
90) Benzo(a)pyrene	15.18	252	8130	0.460	ng	94
91) Dibenzo(a,h)anthracene	16.62	278	1873	0.113	ng	# 56
92) Benzo(a,h,i)perylene	17.04	276	6360	0.377	ng	# 91

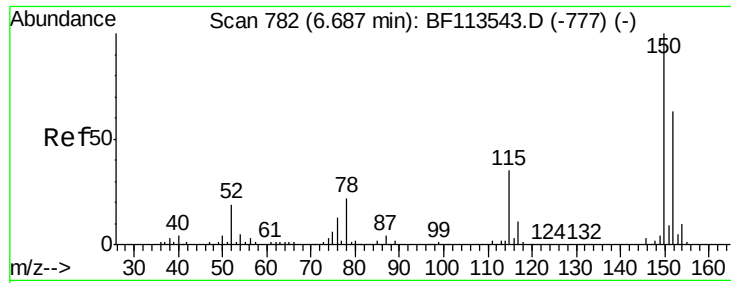
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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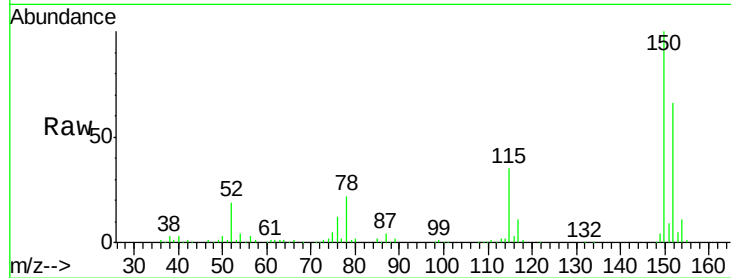


#1

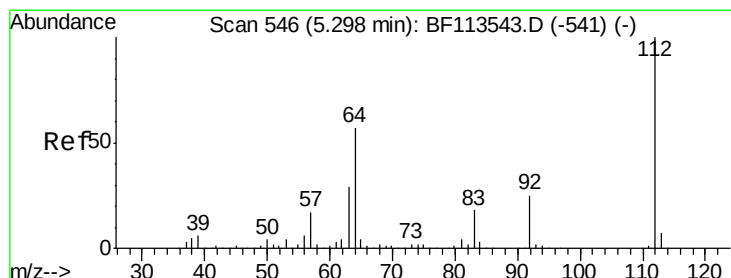
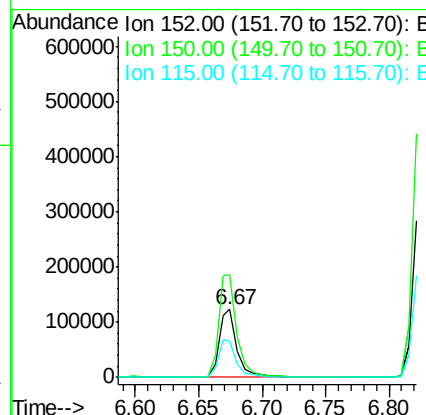
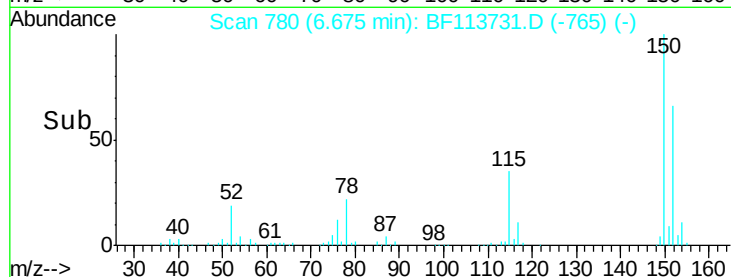
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.7	187.1
115	53.0	46.0	69.0



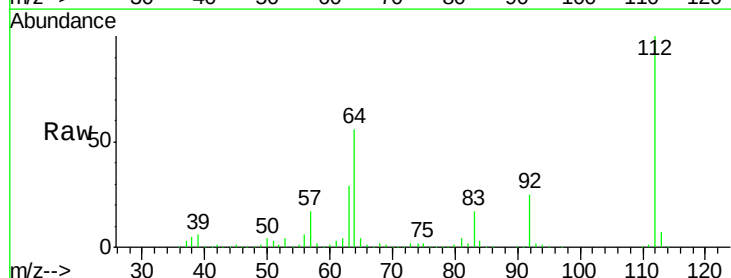
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



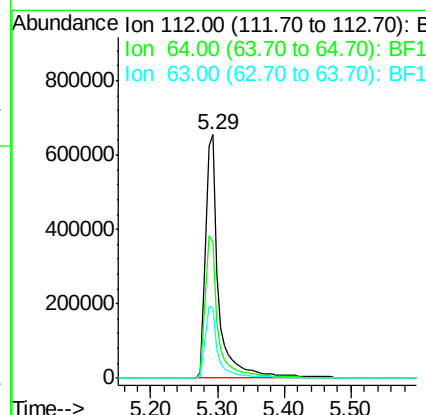
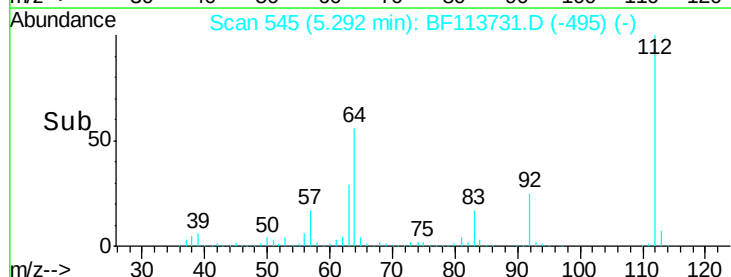
#5

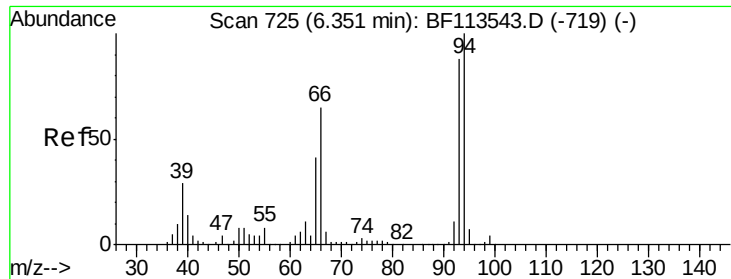
2-Fluorophenol
 Concen: 121.309 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	49.2	73.8
63	28.7	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: 0.113 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

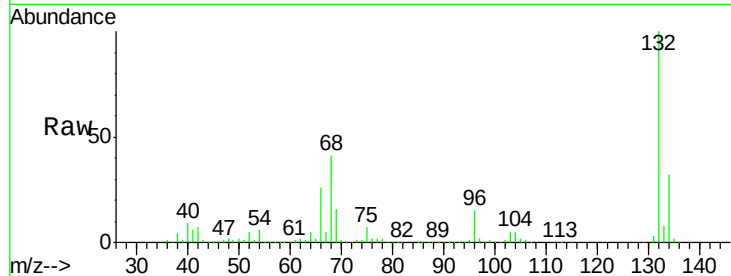
Tot Ion: 93 Resp: 1204

Ion Ratio Lower Upper

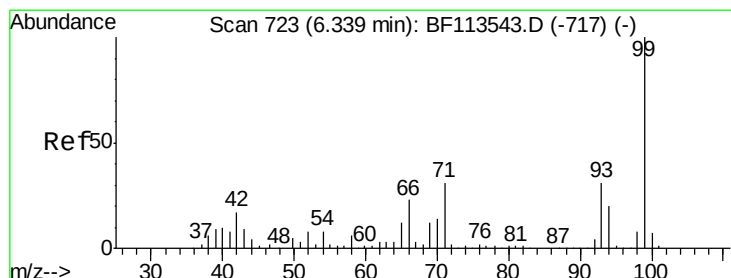
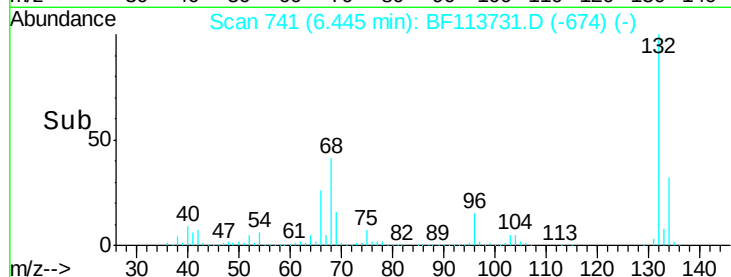
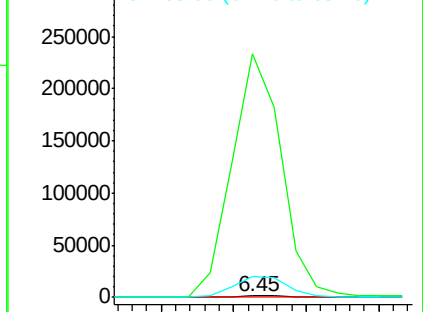
93 100

66 18909.6 62.1 93.1#

65 1608.4 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: 130.454 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

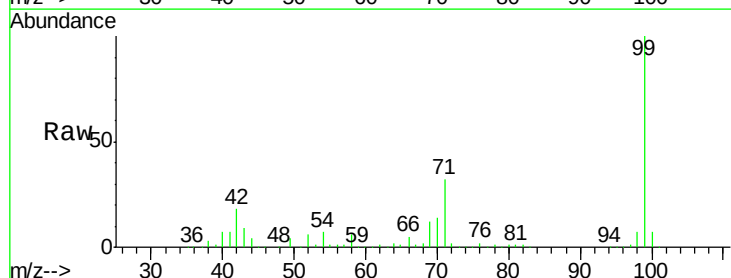
Tgt Ion: 99 Resp: 1150540

Ion Ratio Lower Upper

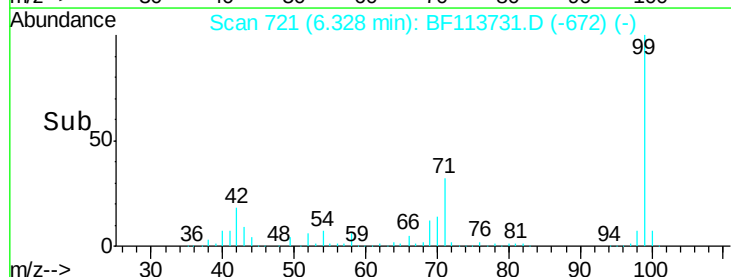
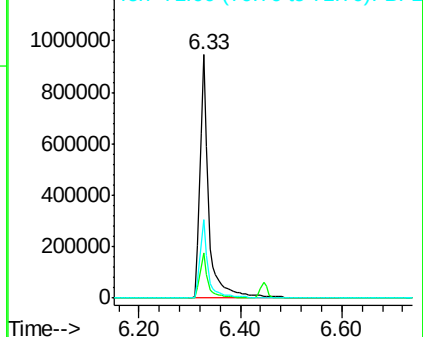
99 100

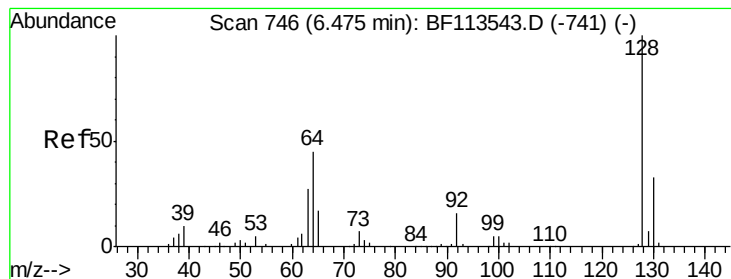
42 18.3 14.8 22.2

71 32.1 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# 743

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

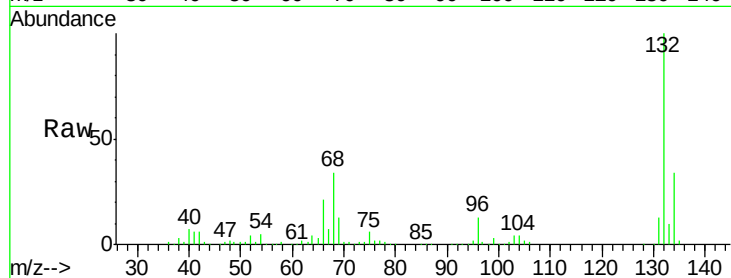
Tot Ion:128 Resp: 114

Ion Ratio Lower Upper

128 100

130 294.4 12.6 52.6#

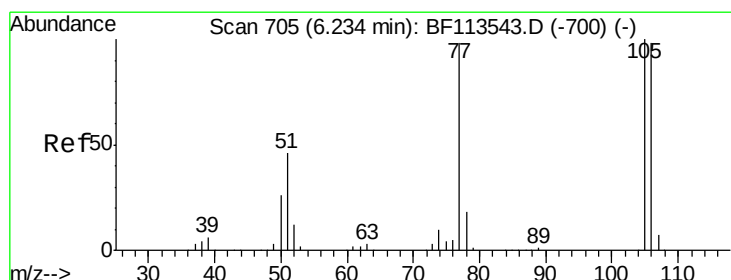
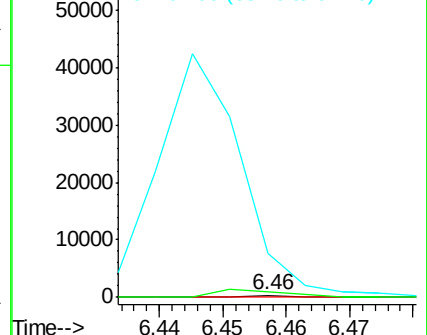
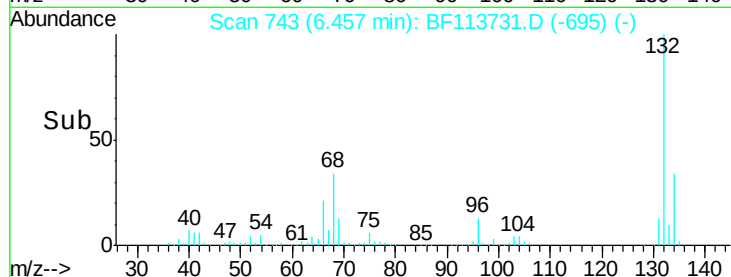
64 2370.8 29.4 69.4#



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: 0.253 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.09 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

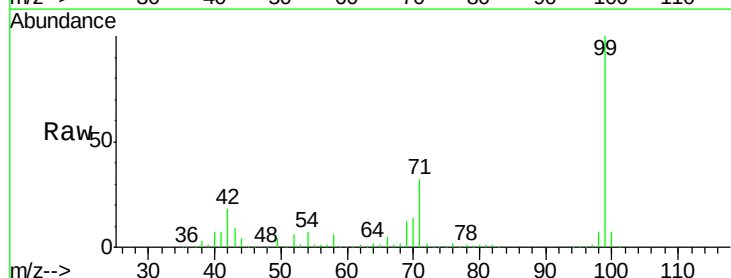
Tgt Ion: 77 Resp: 1329

Ion Ratio Lower Upper

77 100

105 0.0 80.9 120.9#

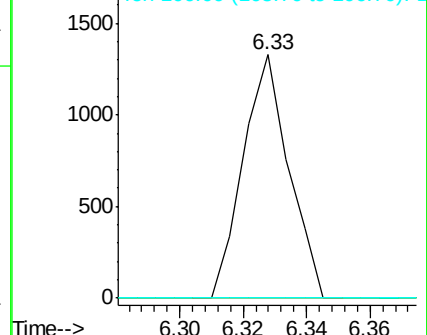
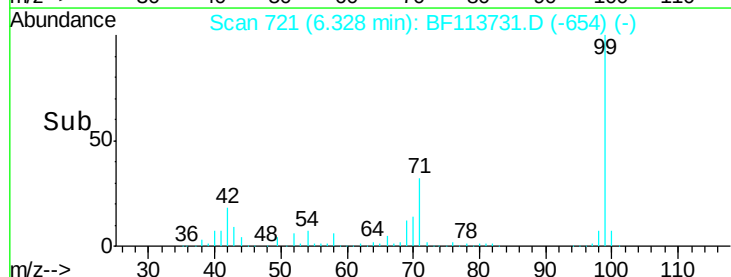
106 0.0 77.8 117.8#

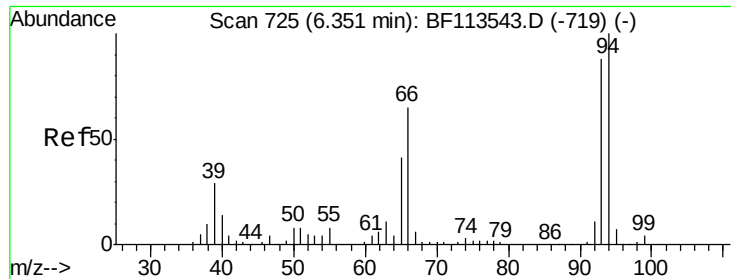


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

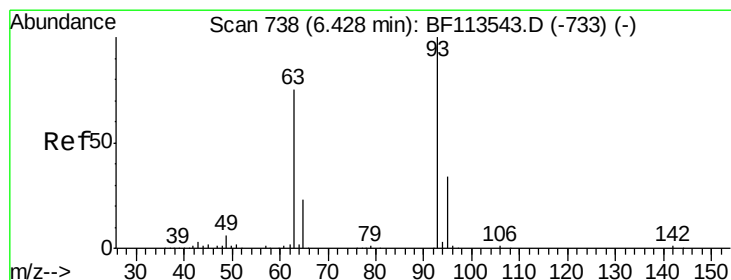
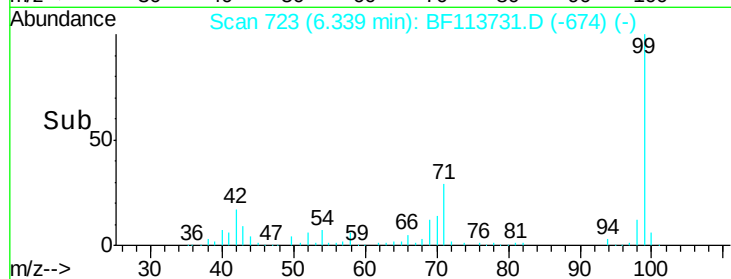
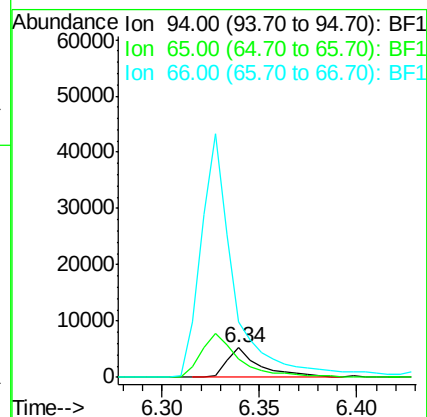
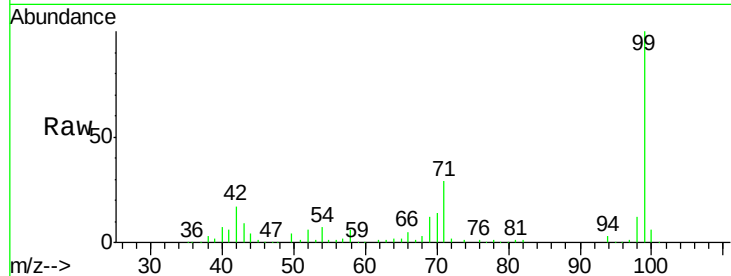




#10
Phenol
Concen: 0.603 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

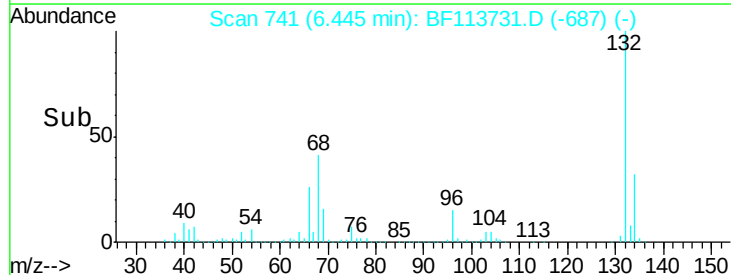
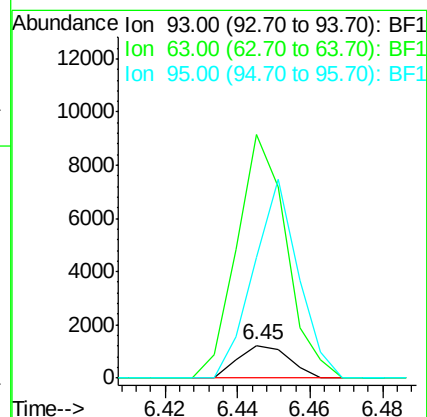
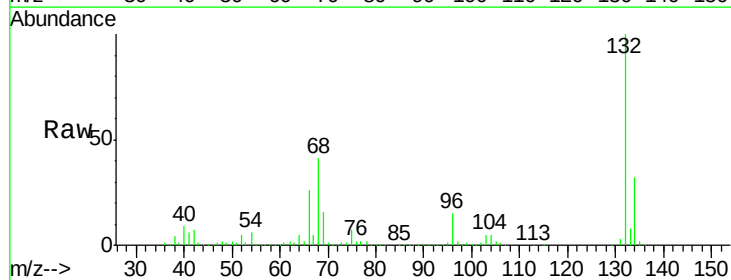
Instrument :
BNA_F
ClientSampleID :

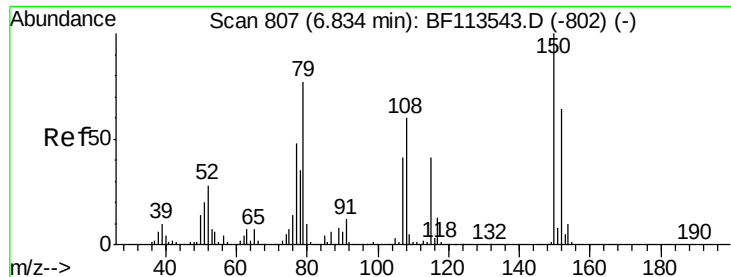
Tot Ion: 94 Resp: 6076
Ion Ratio Lower Upper
94 100
65 61.2 21.4 61.4
66 185.8 46.4 86.4#



#11
bis(2-Chloroethyl)ether
Concen: 0.154 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion: 93 Resp: 1204
Ion Ratio Lower Upper
93 100
63 741.7 56.1 96.1#
95 366.1 12.8 52.8#





#15

Benzyl Alcohol

Concen: 1.718 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

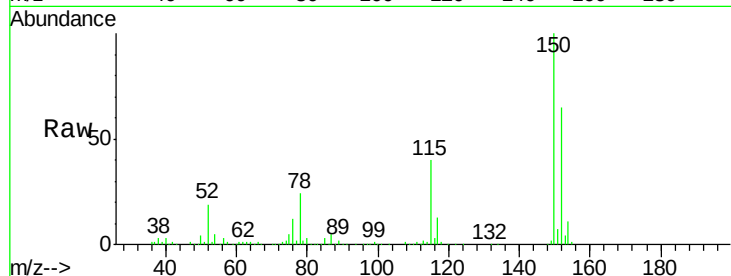
Tot Ion: 79 Resp: 10243

Ion Ratio Lower Upper

79 100

108 31.8 62.0 93.0#

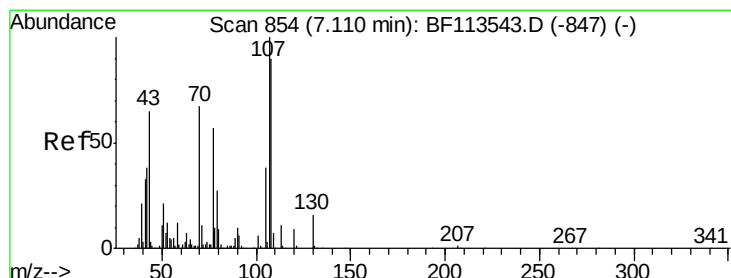
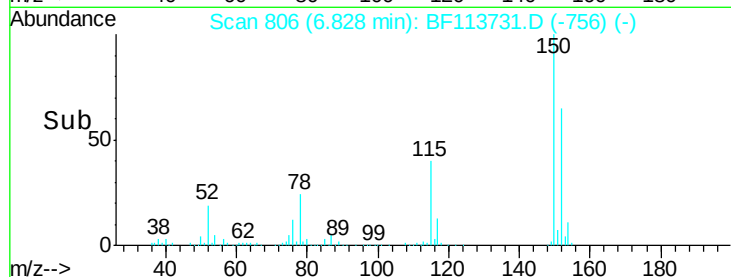
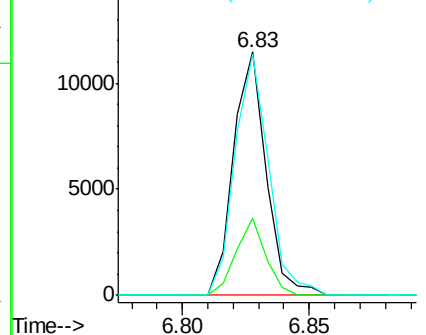
77 99.1 49.9 74.9#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.852 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Tgt Ion: 70 Resp: 86210

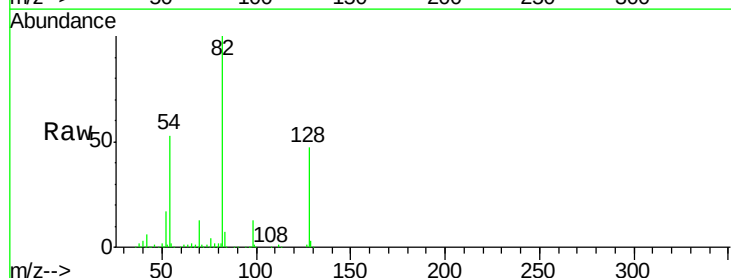
Ion Ratio Lower Upper

70 100

42 49.6 48.4 72.6

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

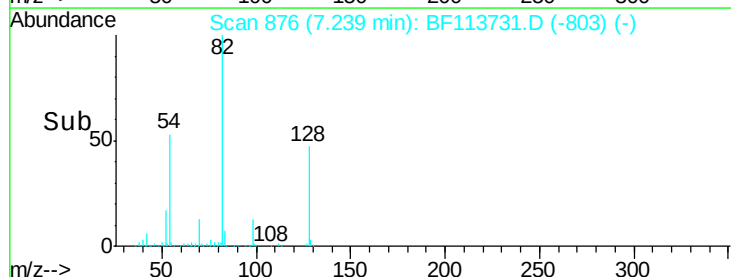
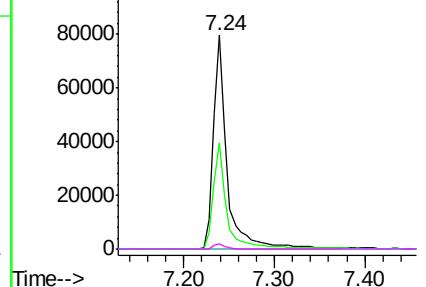


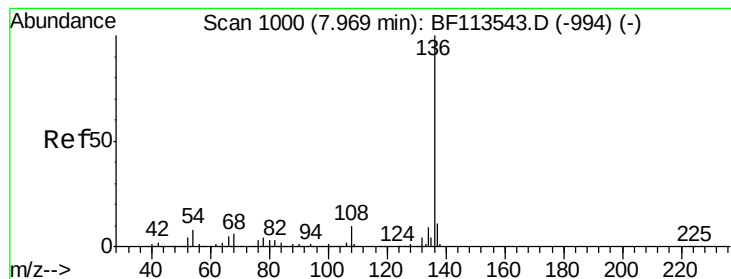
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

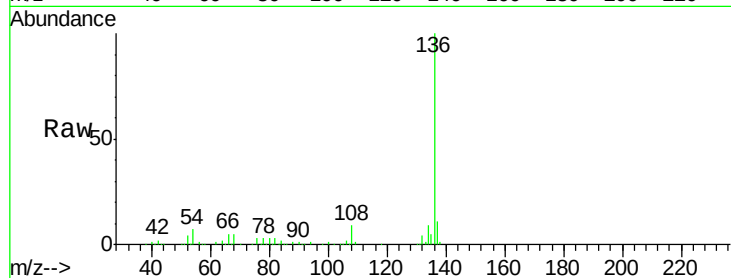




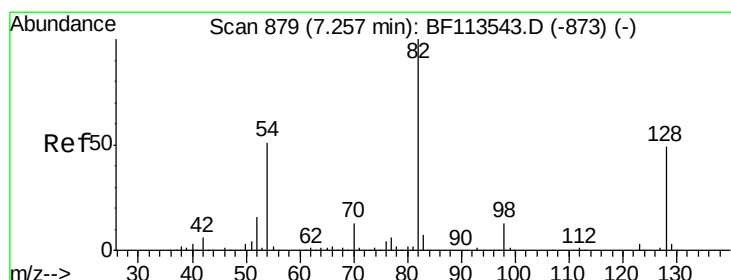
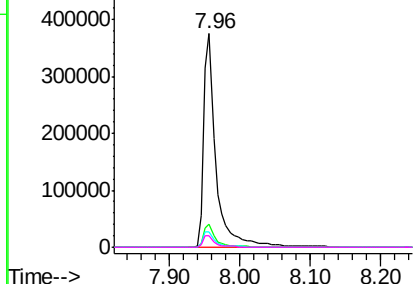
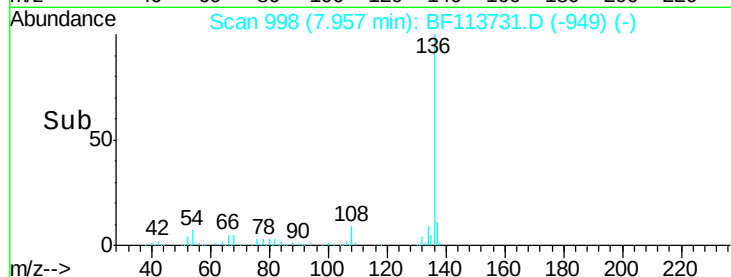
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	456431
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.1	7.0 10.6
68	5.4	4.8 7.2

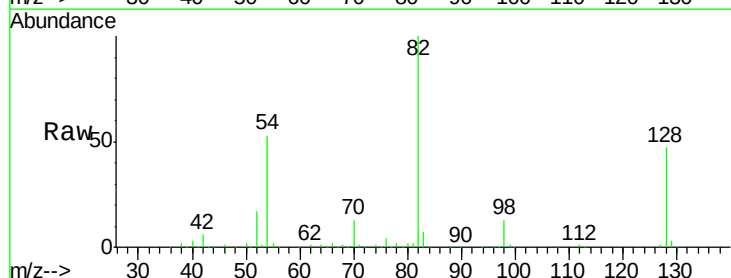


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

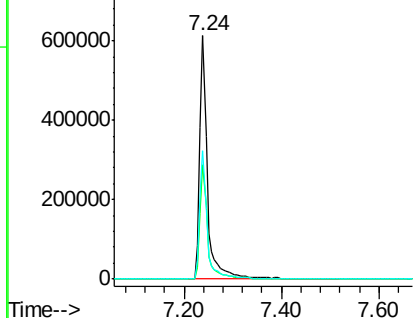
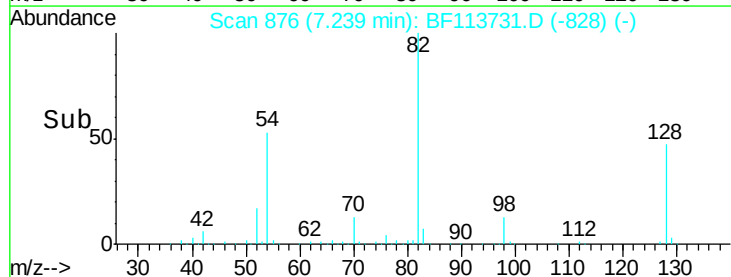


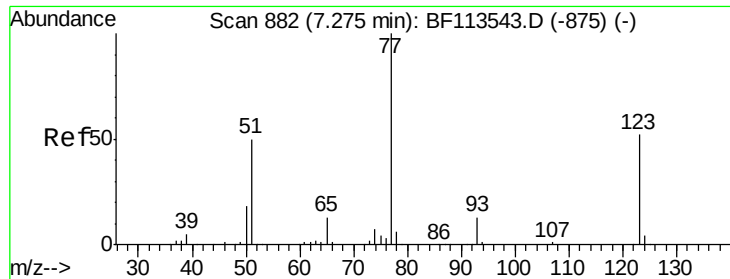
#23
Nitrobenzene-d5
Concen: 86.947 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion: 82	Resp:	677513
Ion Ratio	Lower	Upper
82	100	
128	47.0	36.5 54.7
54	52.8	42.2 63.2



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





#24

Nitrobenzene

Concen: 0.229 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

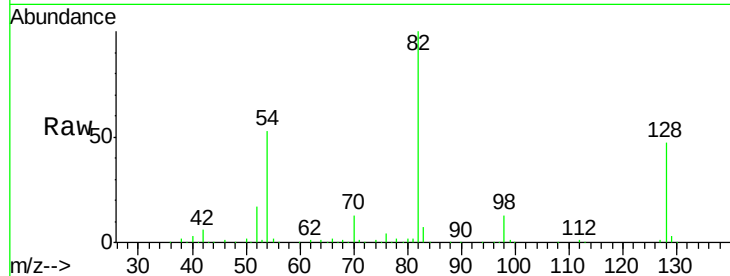
Tot Ion: 77 Resp: 1838

Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

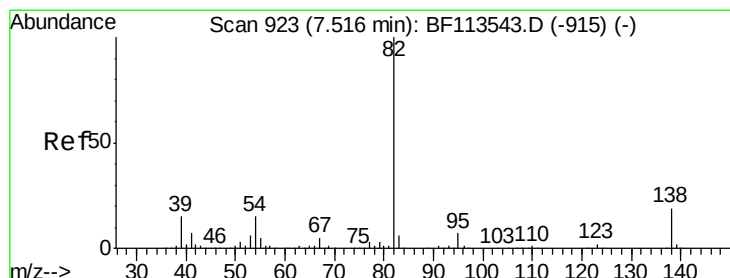
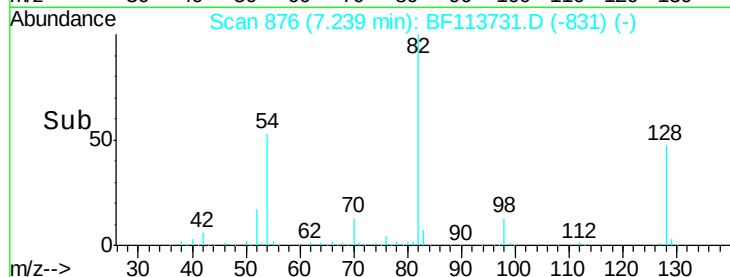
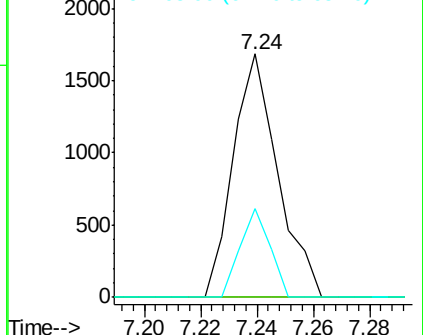
65 36.3 10.6 16.0#



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: 45.221 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

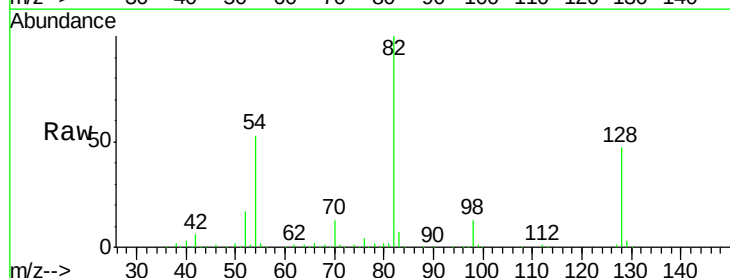
Tgt Ion: 82 Resp: 678795

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

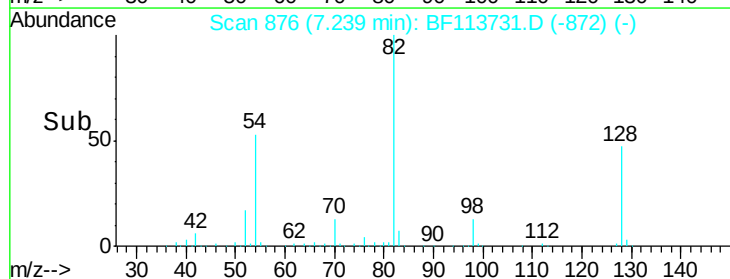
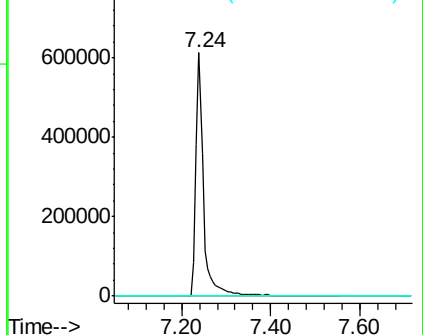
138 0.0 15.2 22.8#

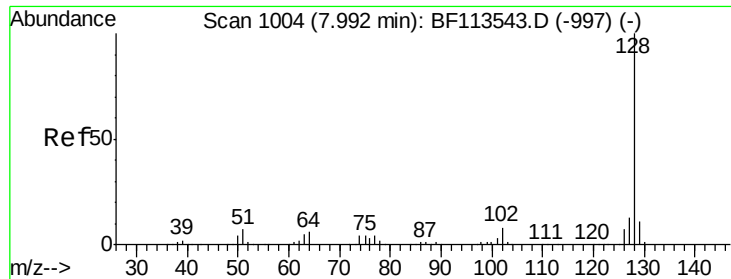


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

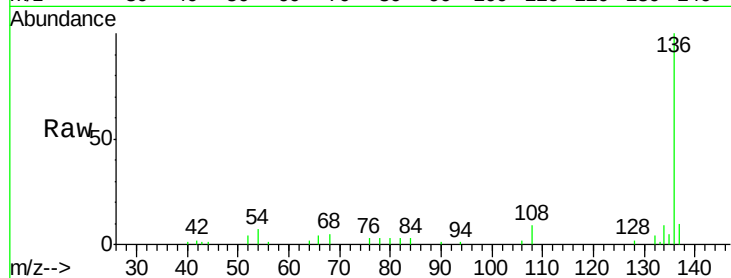




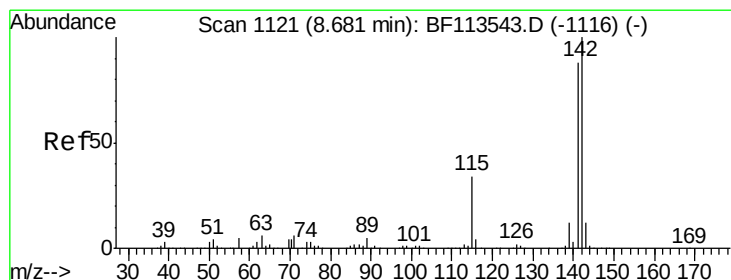
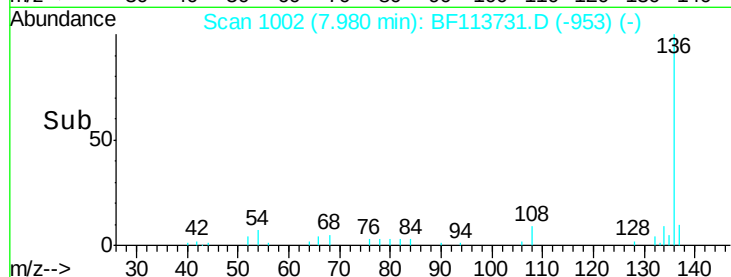
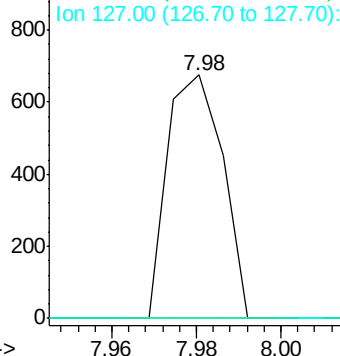
#31
Naphthalene
Concen: 0.028 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 613
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.9 16.3#

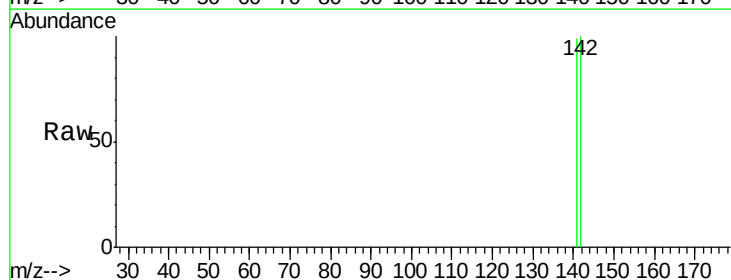


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

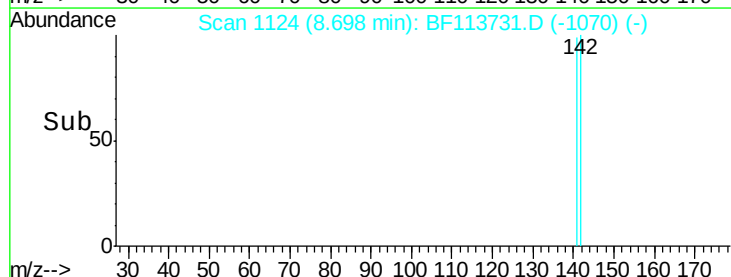
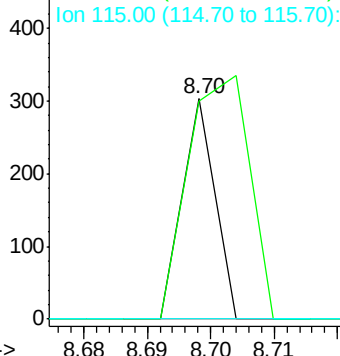


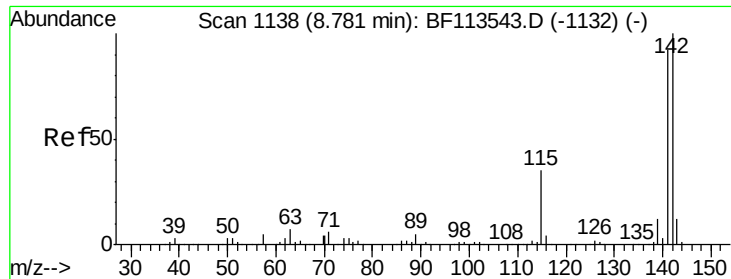
#37
2-Methylnaphthalene
Concen: 0.007 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:142 Resp: 107
Ion Ratio Lower Upper
142 100
141 99.0 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

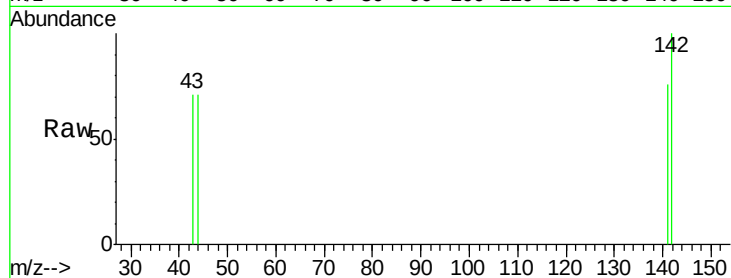




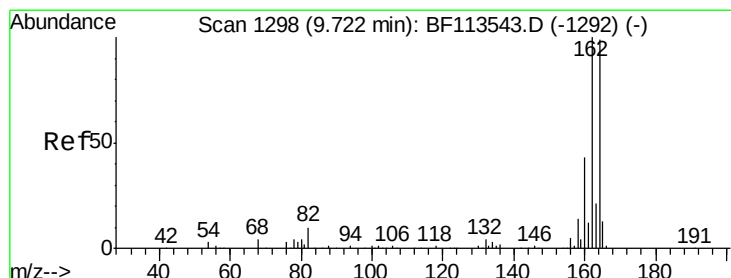
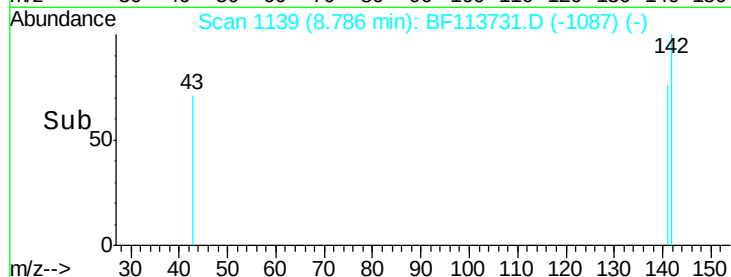
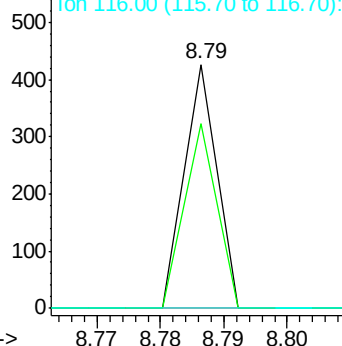
#38
1-Methylnaphthalene
Concen: 0.011 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
141 75.6 73.2 109.8
116 0.0 3.0 4.4#

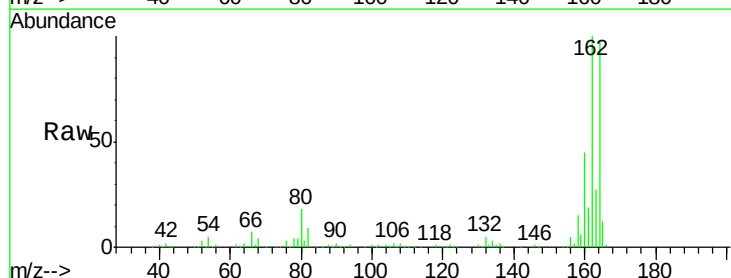


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

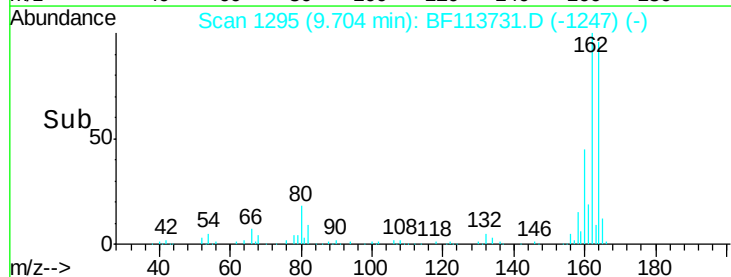
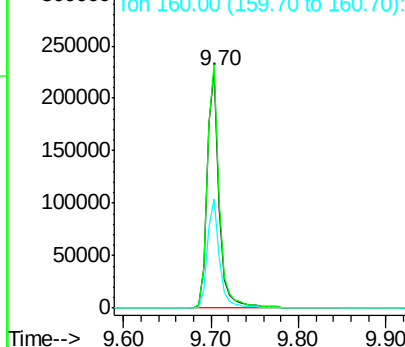


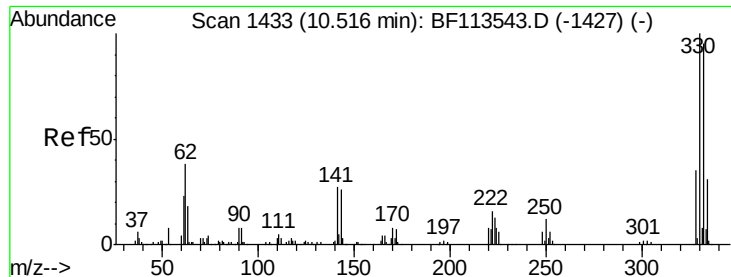
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:164 Resp: 216021
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 46.1 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: 121.808 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

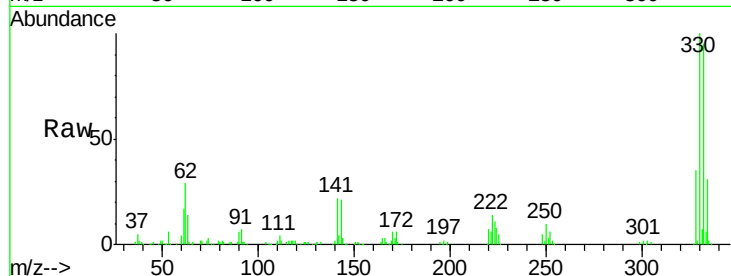
Tot Ion:330 Resp: 316084

Ion Ratio Lower Upper

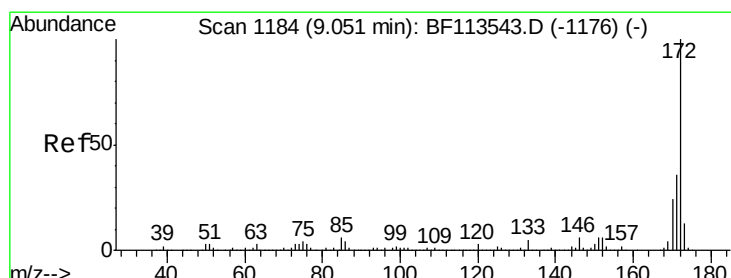
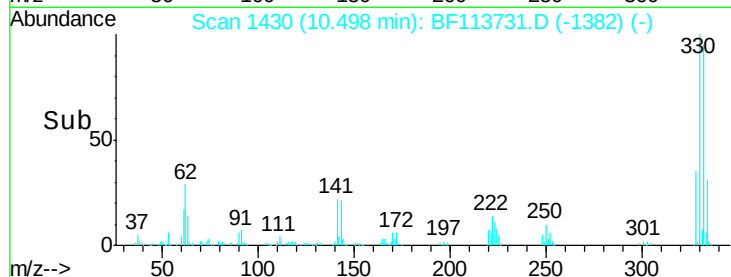
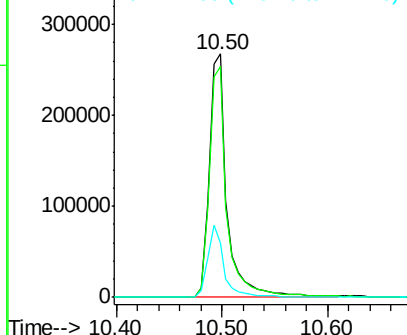
330 100

332 96.6 77.8 116.6

141 27.9 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: 93.304 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

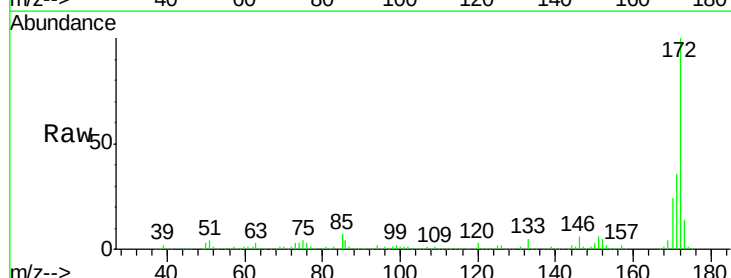
Tgt Ion:172 Resp: 1251982

Ion Ratio Lower Upper

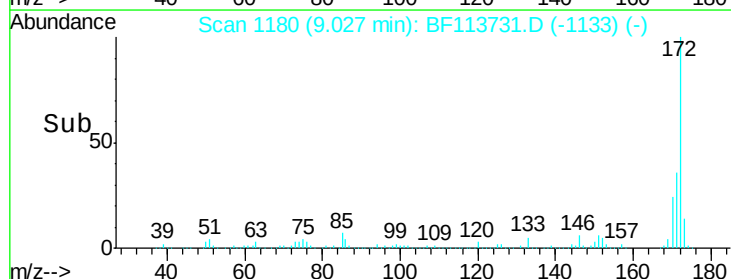
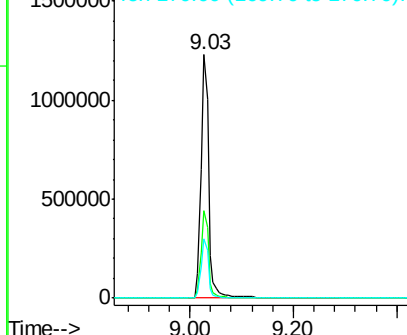
172 100

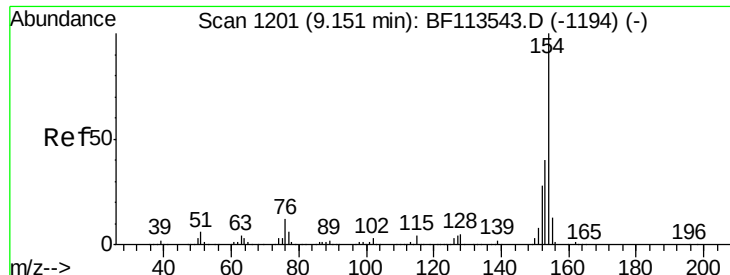
171 35.8 29.0 43.6

170 24.3 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

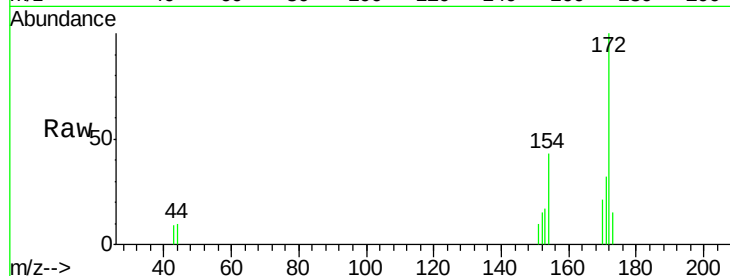




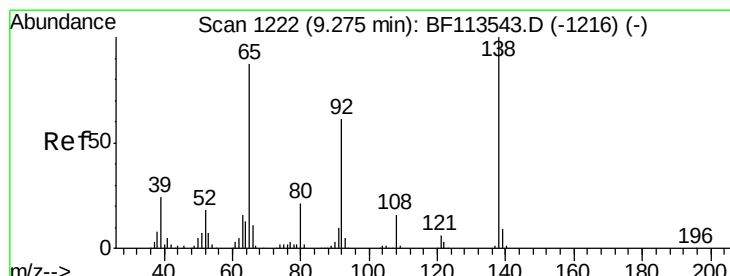
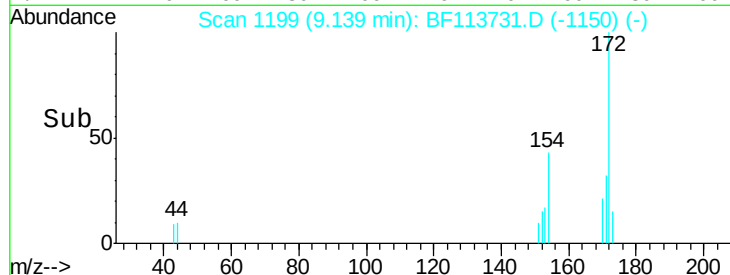
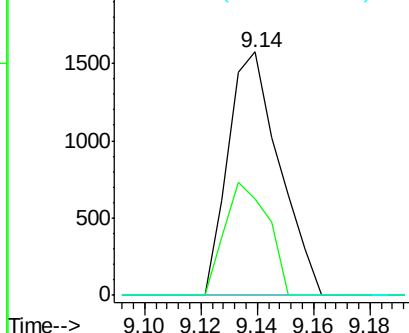
#46
 1,1'-Biphenyl
 Concen: 0.111 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.8	60.8
76	0.0	0.0	31.9

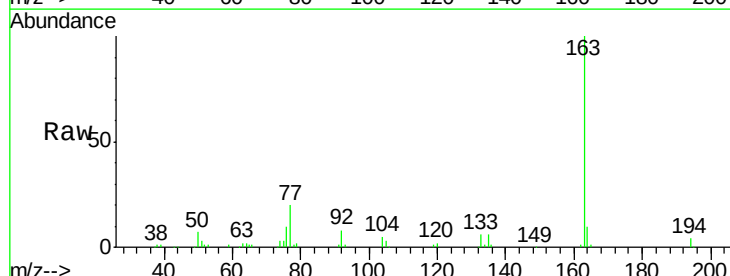


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

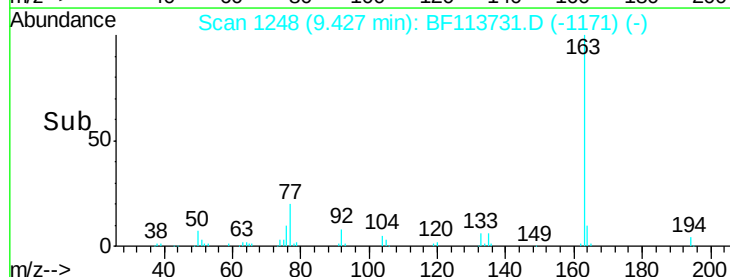
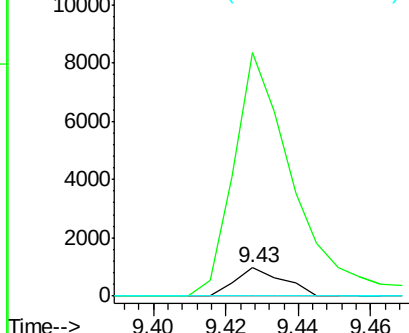


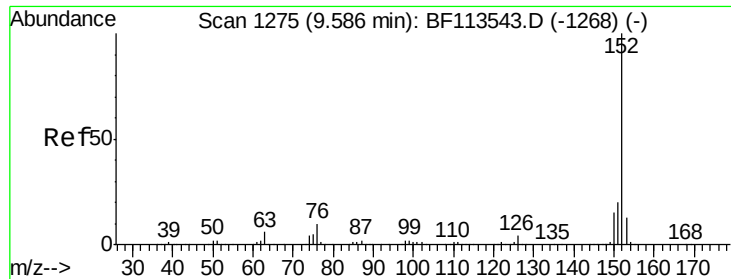
#48
 2-Nitroaniline
 Concen: 0.215 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.15 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	867.3	56.8	85.2#
138	0.0	92.3	138.5#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.039 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

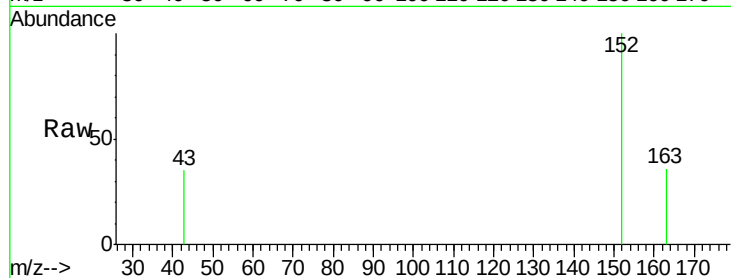
Tot Ion:152 Resp: 849

Ion Ratio Lower Upper

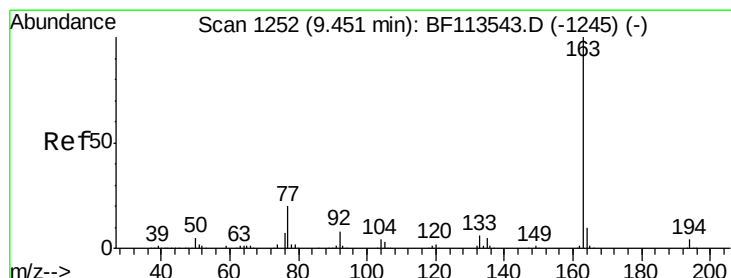
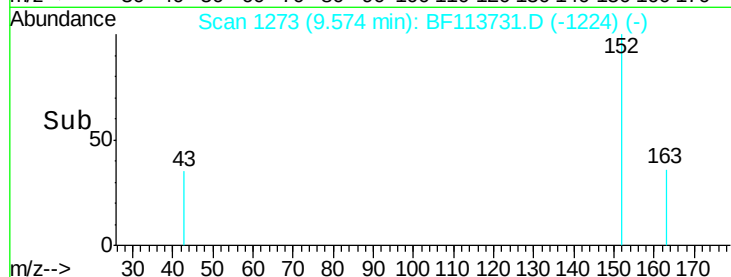
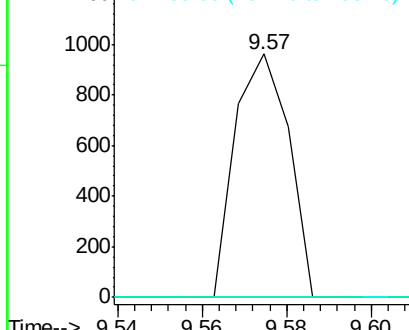
152 100

151 0.0 16.2 24.4#

153 0.0 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.823 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

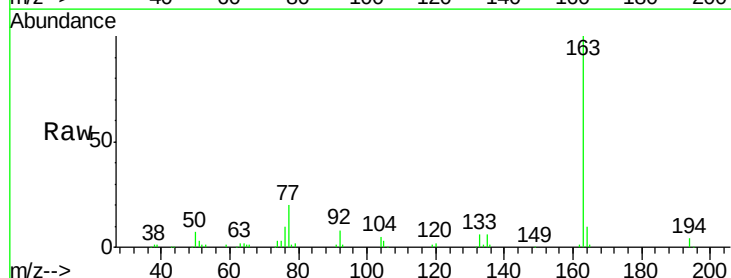
Tgt Ion:163 Resp: 124578

Ion Ratio Lower Upper

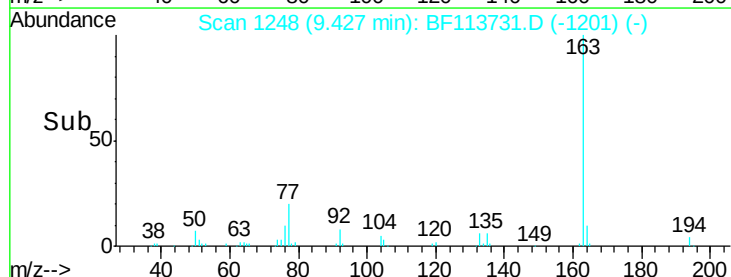
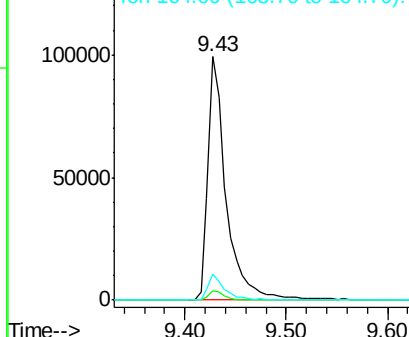
163 100

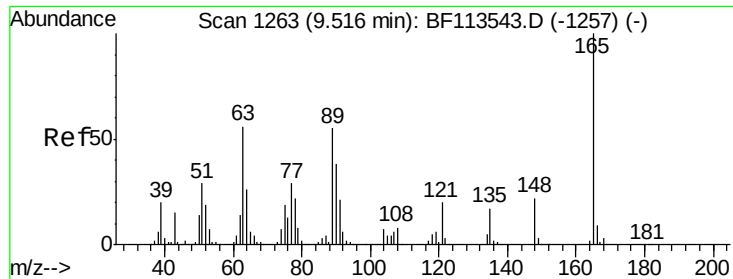
194 3.8 3.0 4.6

164 10.5 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

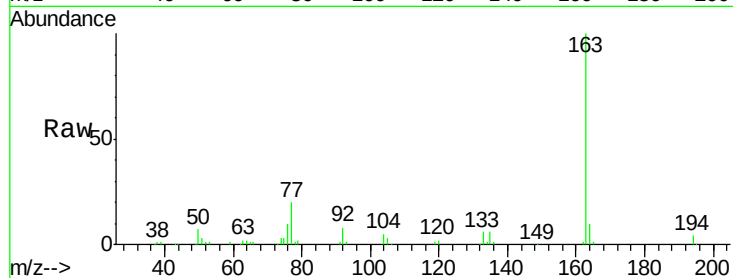




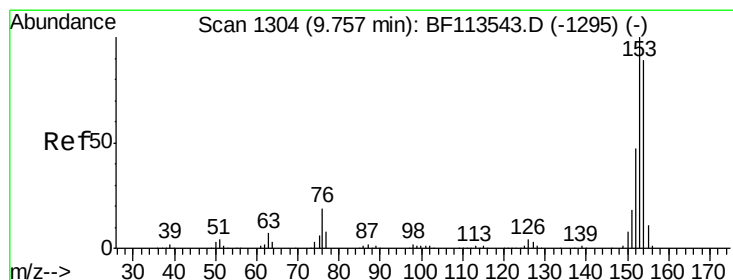
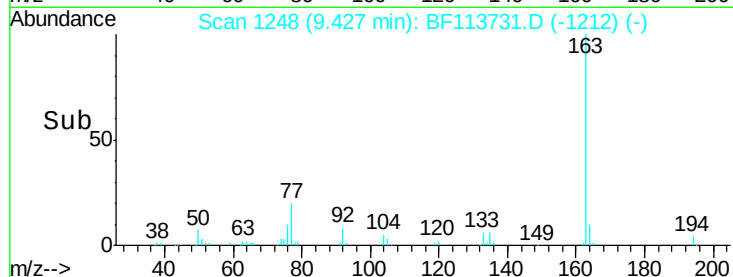
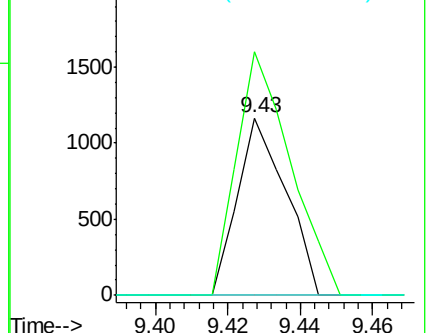
#51
 2,6-Dinitrotoluene
 Concen: 0.308 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.09 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1081
 Ion Ratio Lower Upper
 165 100
 63 137.5 43.4 65.0#
 89 0.0 43.1 64.7#

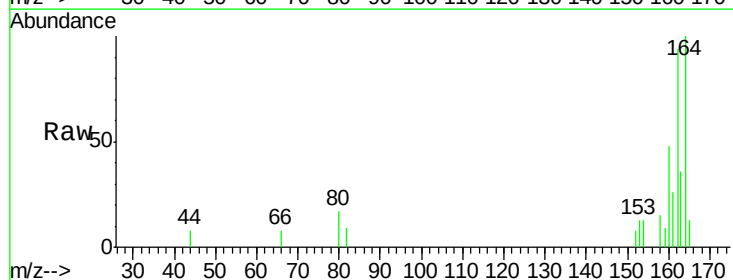


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

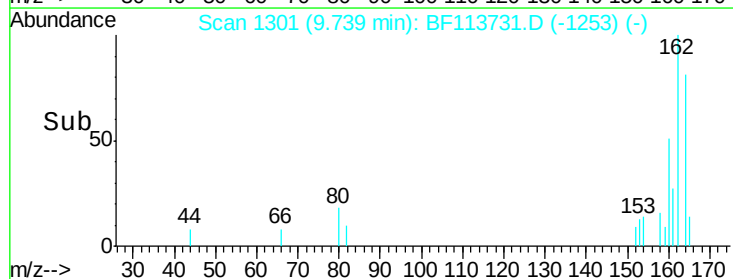
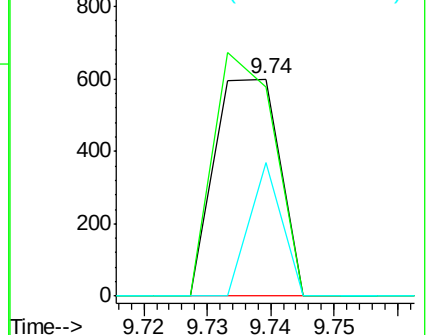


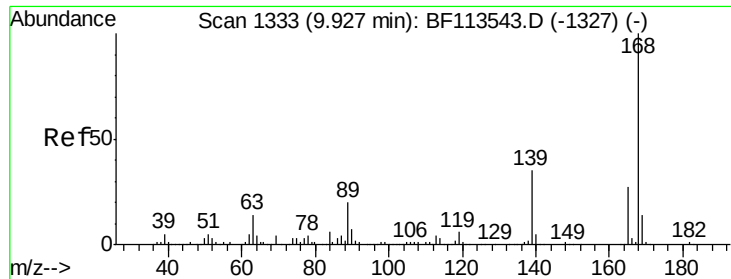
#52
 Acenaphthene
 Concen: 0.034 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Tgt Ion:154 Resp: 421
 Ion Ratio Lower Upper
 154 100
 153 96.5 89.5 134.3
 152 61.7 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

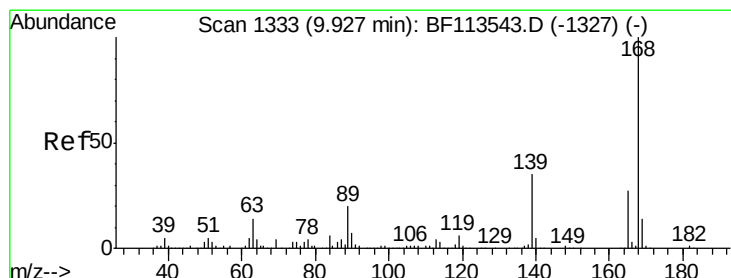
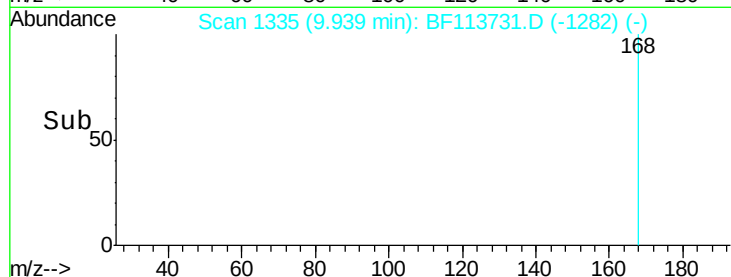
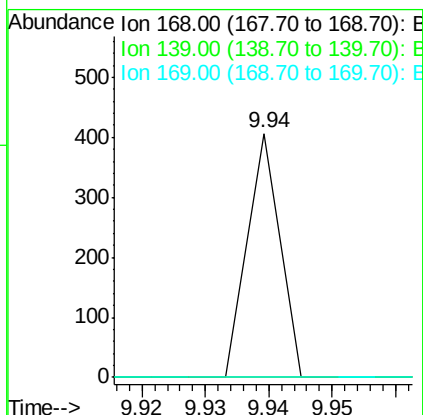
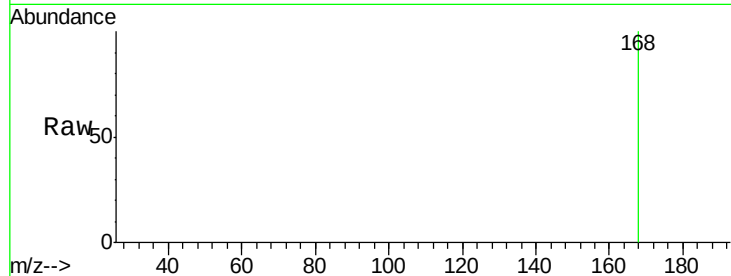




#55
Dibenzofuran
Concen: 0.008 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

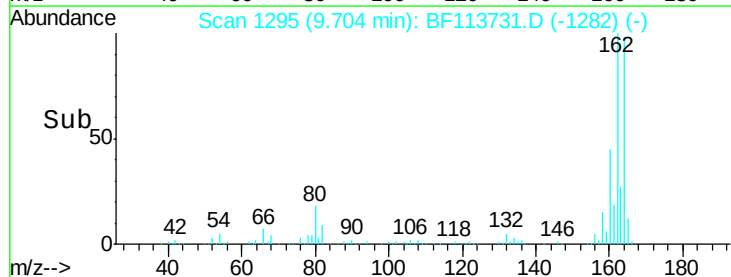
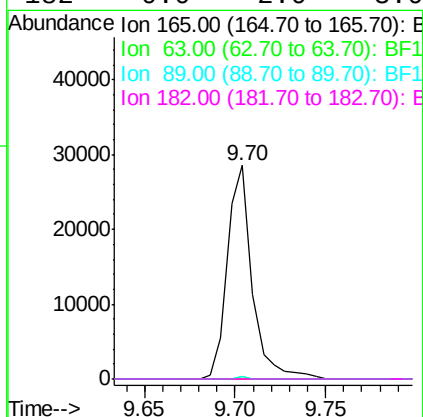
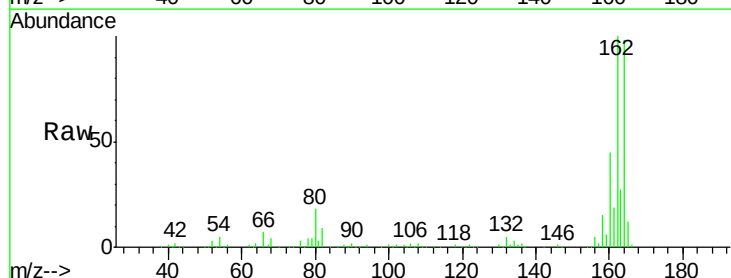
Instrument :
BNA_F
ClientSampled :

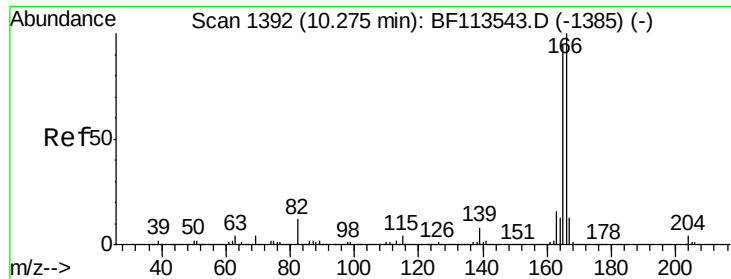
Tot Ion:168 Resp: 143
Ion Ratio Lower Upper
168 100
139 0.0 29.7 44.5#
169 0.0 10.7 16.1#



#57
2,4-Dinitrotoluene
Concen: 6.419 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.22 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:165 Resp: 27251
Ion Ratio Lower Upper
165 100
63 1.3 37.5 56.3#
89 1.4 57.4 86.2#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 0.030 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

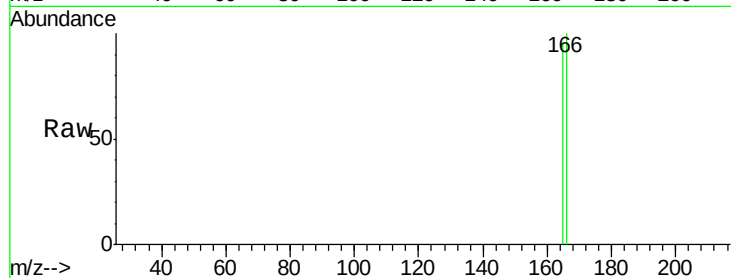
Tot Ion:166 Resp: 443

Ion Ratio Lower Upper

166 100

165 95.9 76.2 114.2

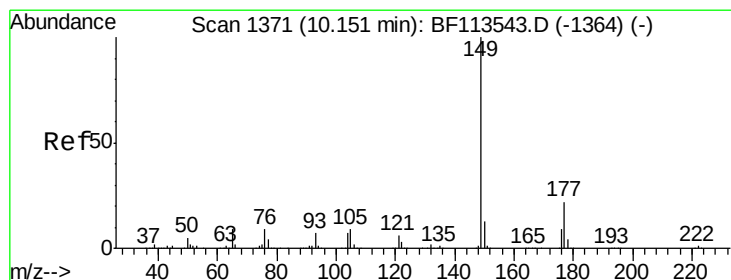
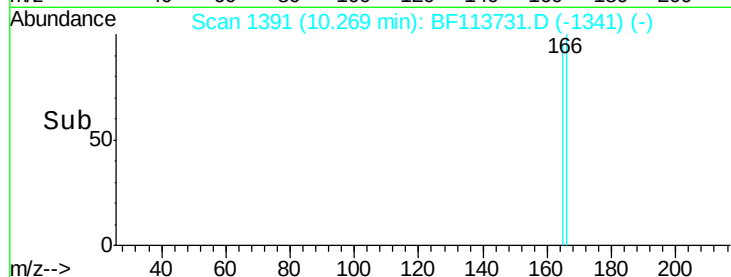
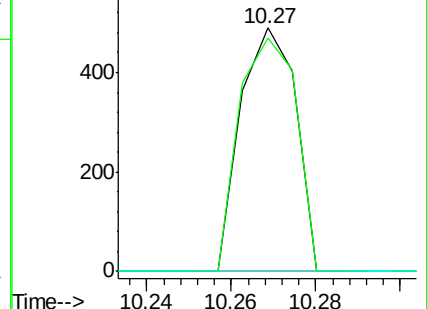
167 0.0 10.7 16.1#



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: 0.024 ng

RT: 10.13 min Scan# 1368

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

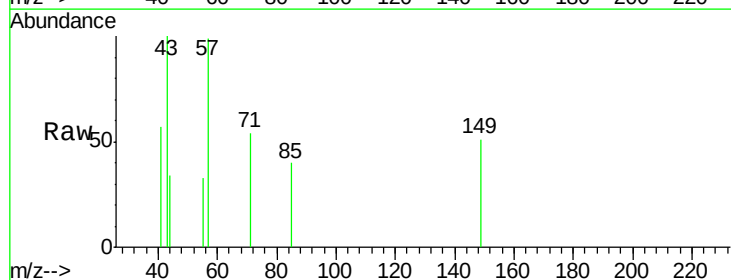
Tgt Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.0#

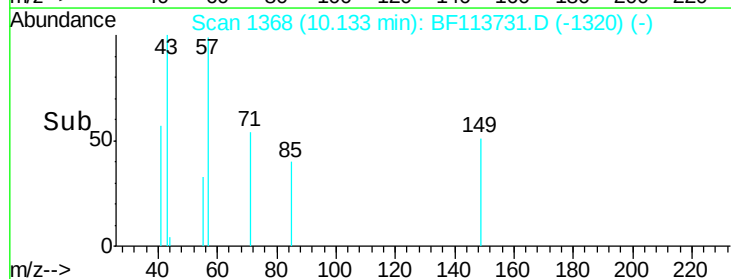
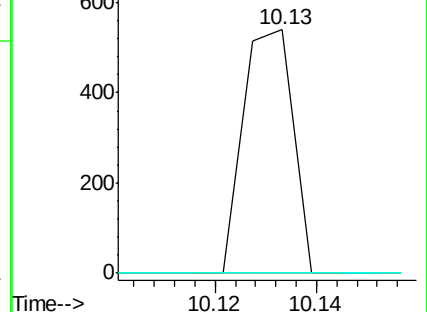
150 0.0 10.0 15.0#

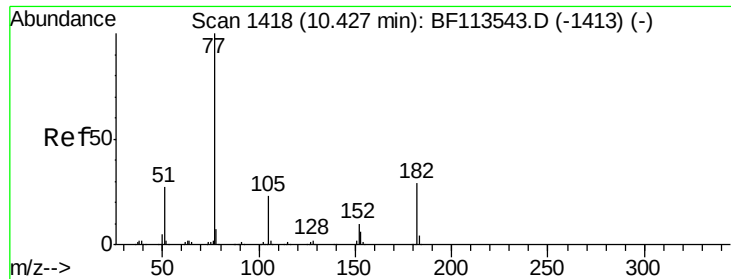


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.065 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 944

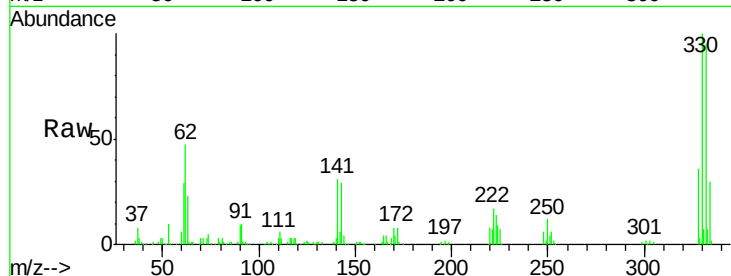
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 98.2 2.9 42.9#

51 116.0 8.8 48.8#

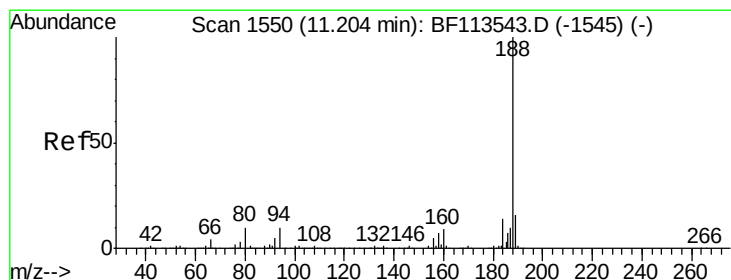
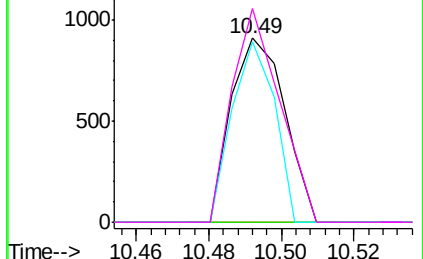
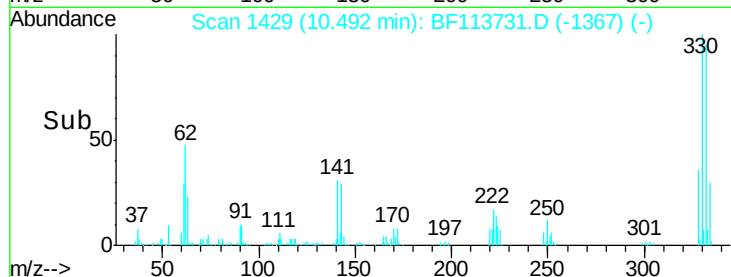


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF113731.D

Acq: 11 Apr 2019 20:27

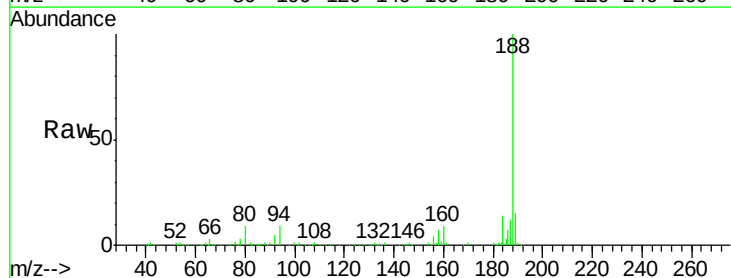
Tgt Ion: 188 Resp: 443387

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

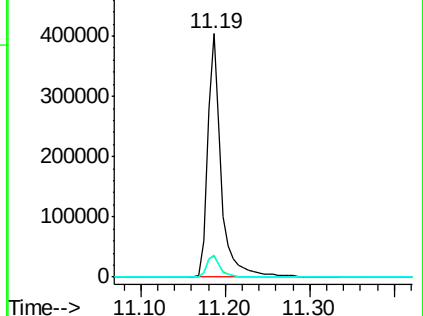
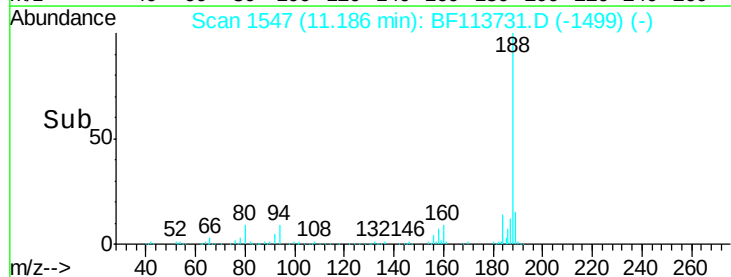
80 9.1 7.7 11.5

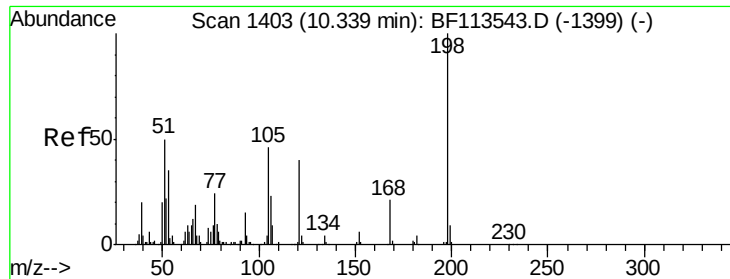


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

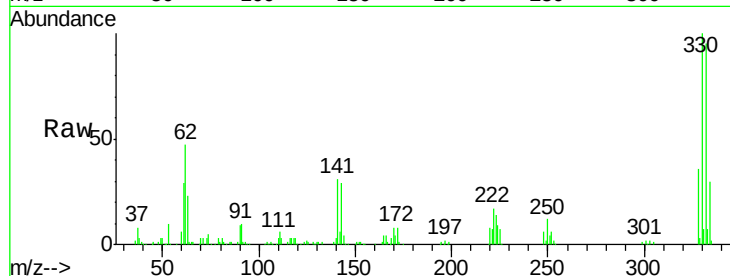




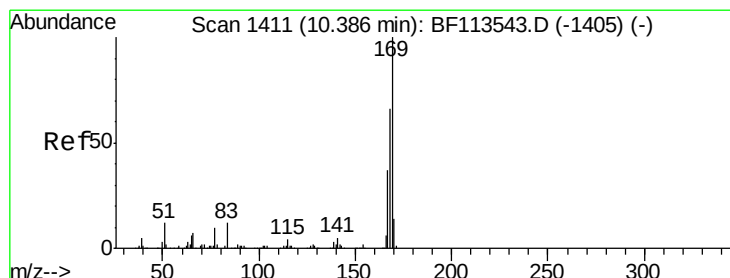
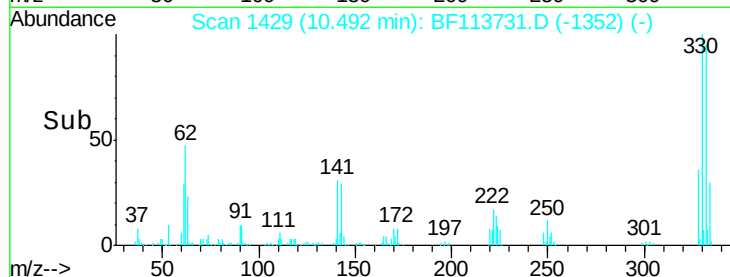
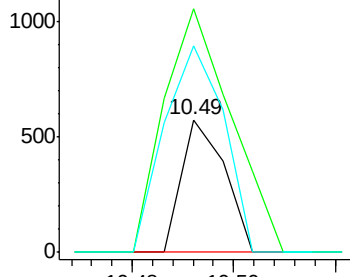
#65
4,6-Dinitro-2-methylphenol
Concen: 0.147 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.15 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	33.1	21.6	61.6
105	28.0	20.6	60.6

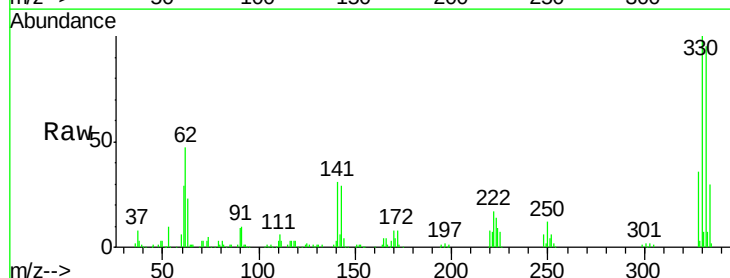


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

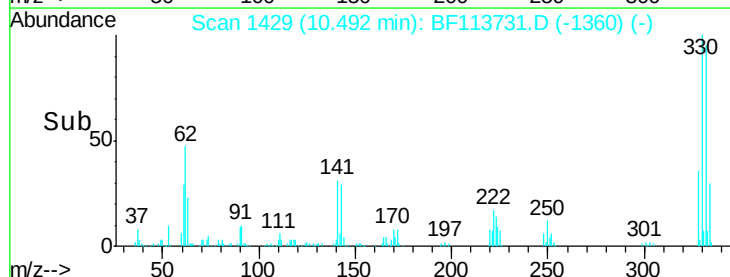
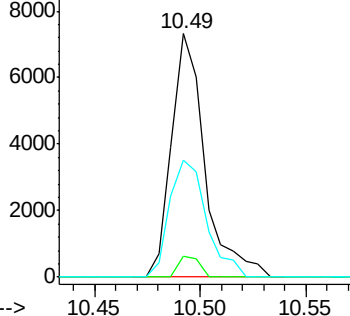


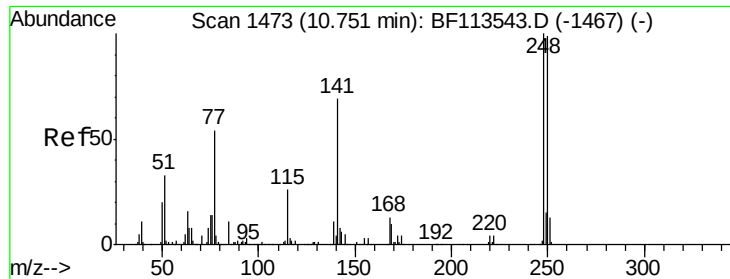
#66
n-Nitrosodiphenylamine
Concen: 0.586 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.11 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion	Ratio	Lower	Upper
169	100		
168	8.5	53.7	80.5#
167	48.0	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

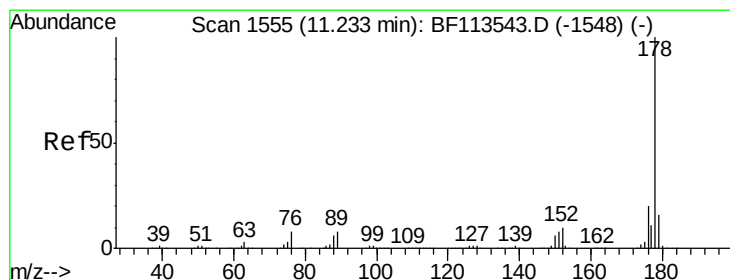
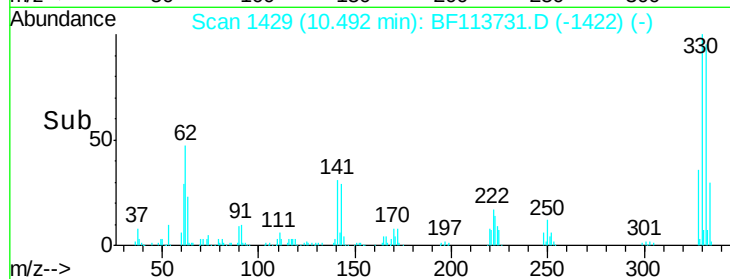
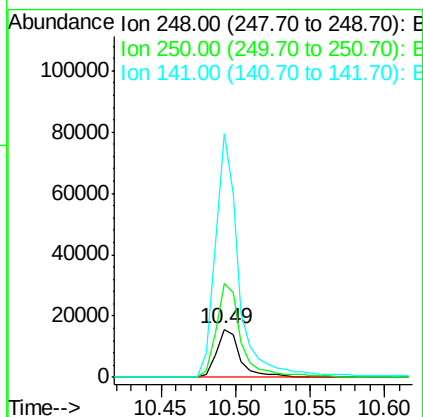
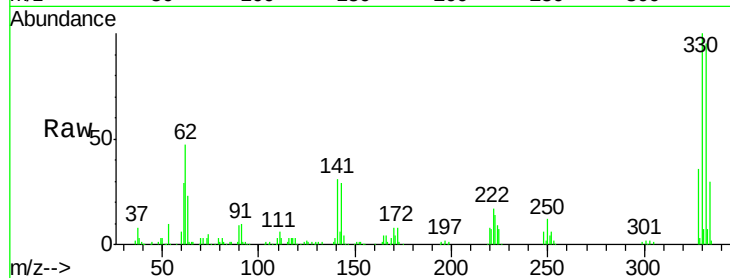




#67
 4-Bromophenyl-phenylether
 Concen: 3.552 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.26 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

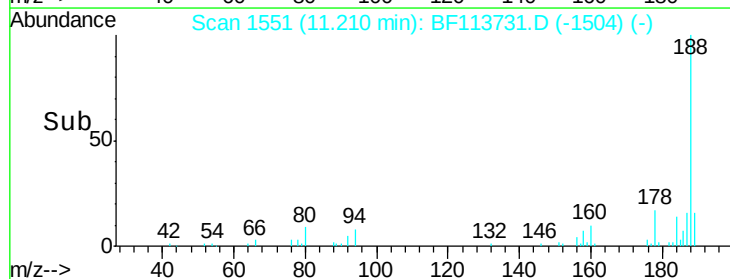
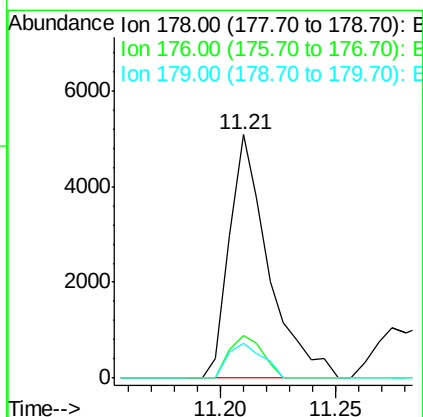
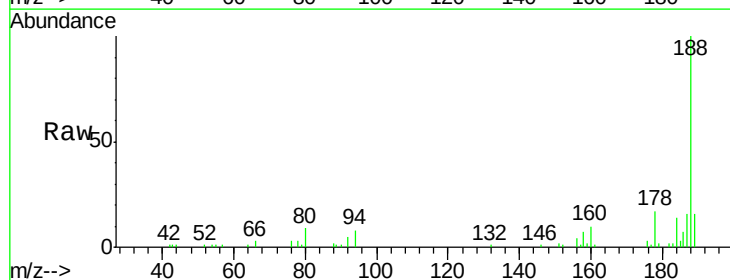
Instrument :
 BNA_F
 ClientSampleId :

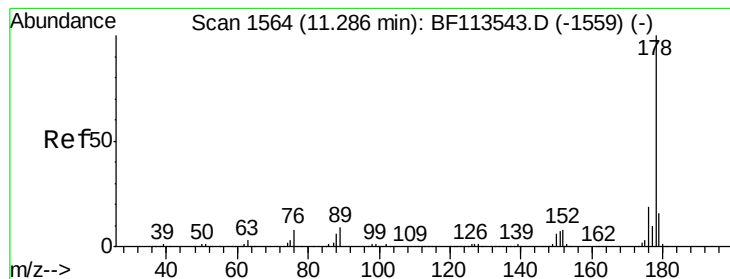
Tot Ion:248 Resp: 17661
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.3 117.5#
 141 506.2 56.2 84.4#



#71
 Phenanthrene
 Concen: 0.273 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Tgt Ion:178 Resp: 6004
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.2
 179 14.4 12.7 19.1





#72

Anthracene

Concen: 0.268 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.08 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

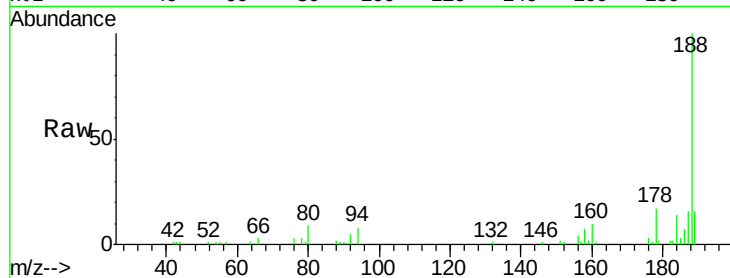
Tot Ion:178 Resp: 6004

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

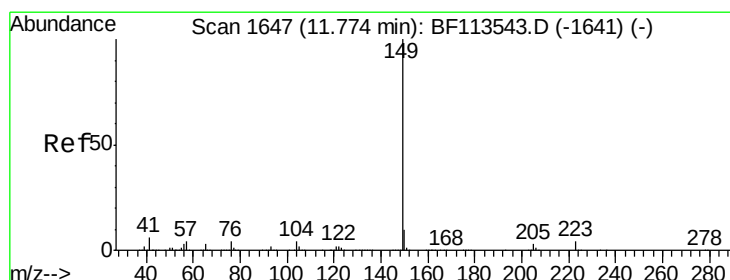
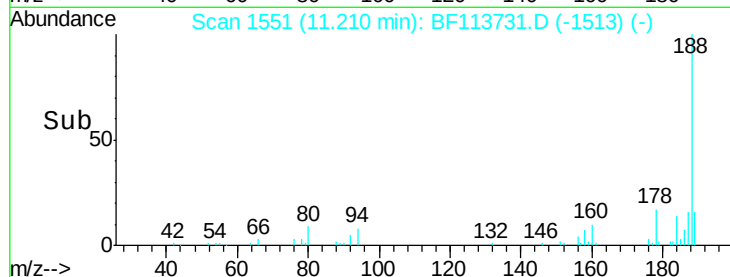
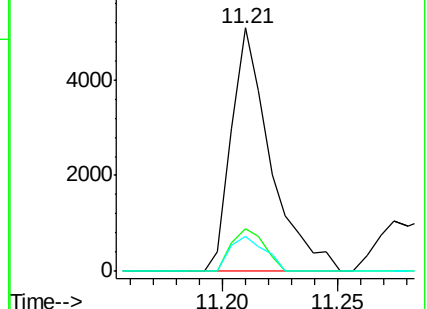
179 14.4 12.8 19.2



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: 0.054 ng

RT: 11.75 min Scan# 1643

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

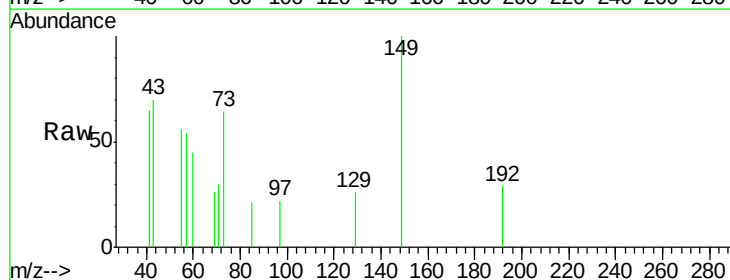
Tgt Ion:149 Resp: 1354

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

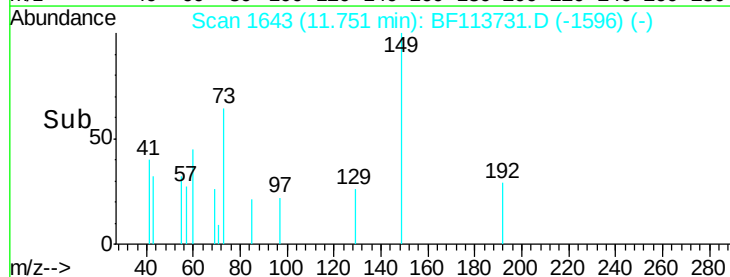
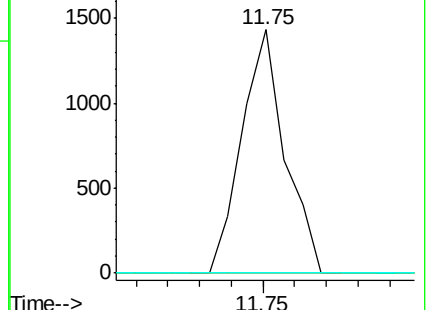
104 0.0 3.7 5.5#

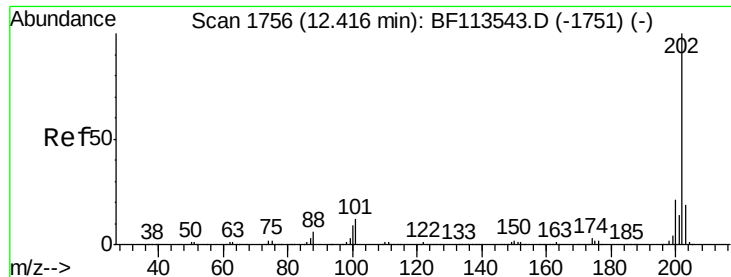


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

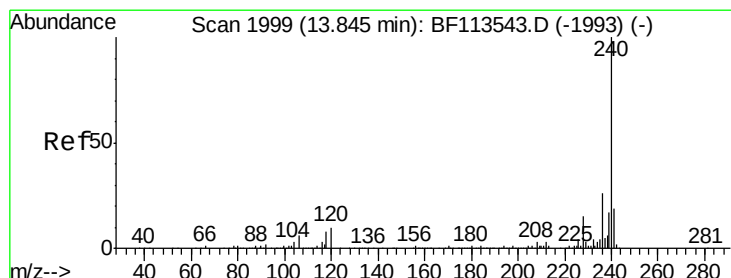
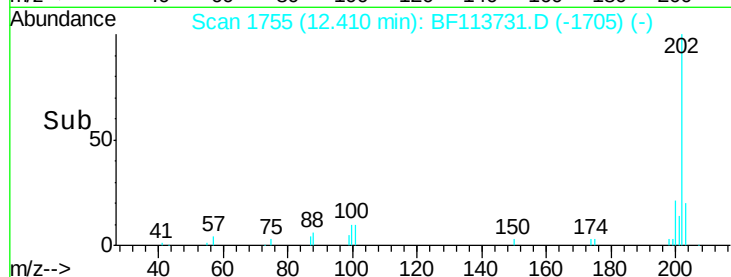
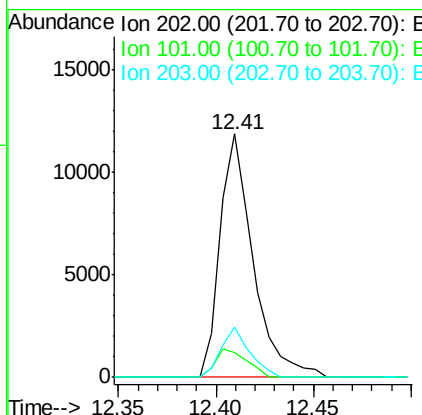
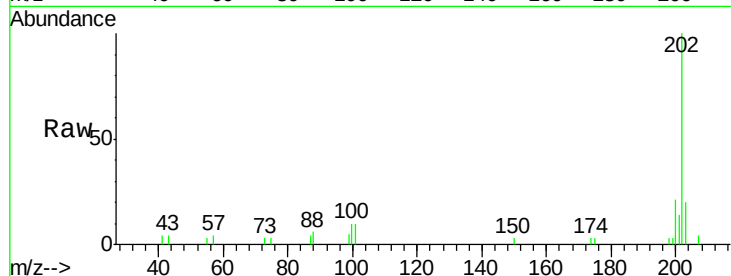




#75
 Fluoranthene
 Concen: 0.592 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

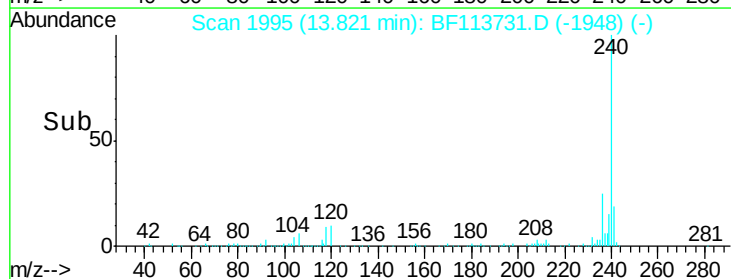
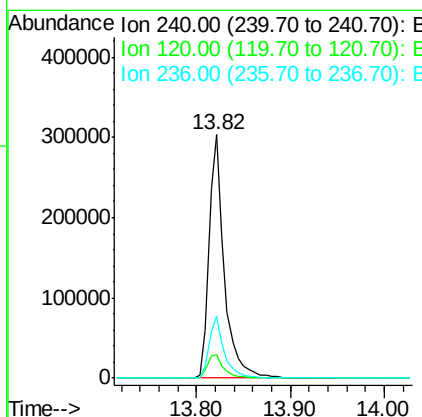
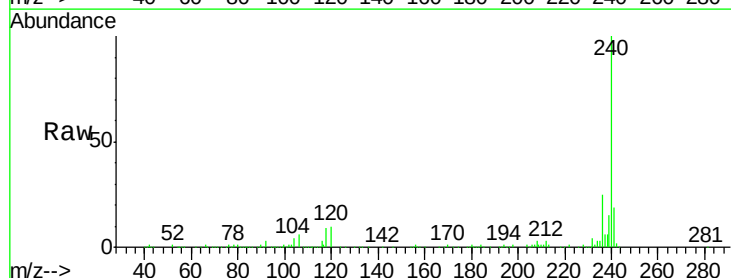
Instrument :
 BNA_F
 ClientSampleId :

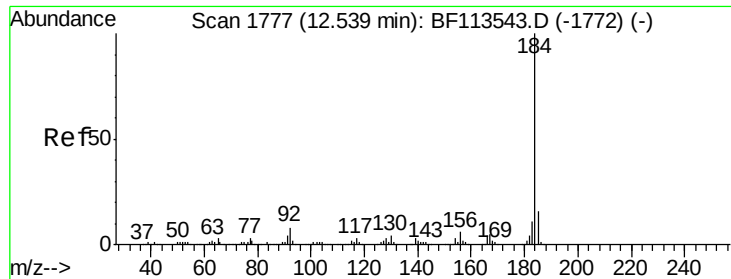
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	20.4	0.0	38.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF113731.D
 Acq: 11 Apr 2019 20:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.8	13.2
236	25.4	20.9	31.3





#77

Benzidine

Concen: 1.169 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.22 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

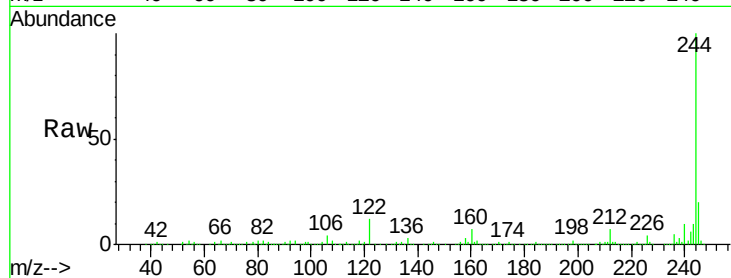
Tot Ion:184 Resp: 14999

Ion Ratio Lower Upper

184 100

185 15.8 13.0 19.6

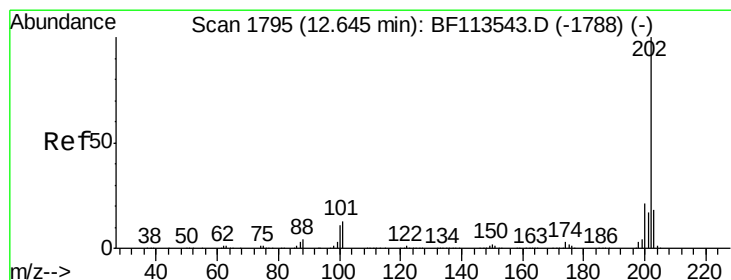
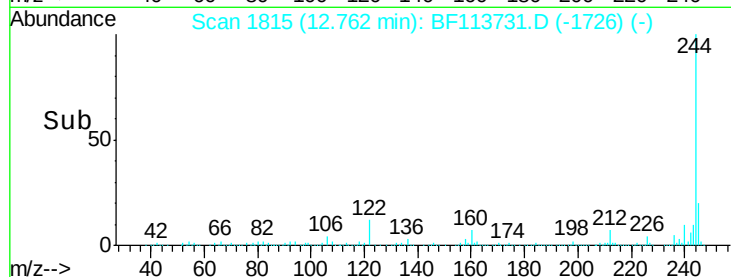
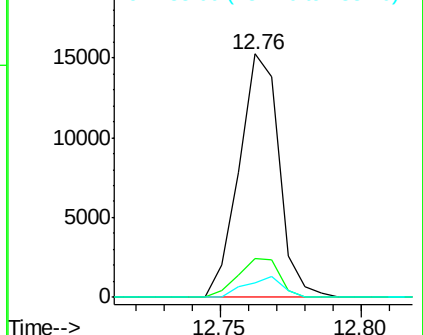
183 6.0 9.0 13.4#



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: 0.540 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

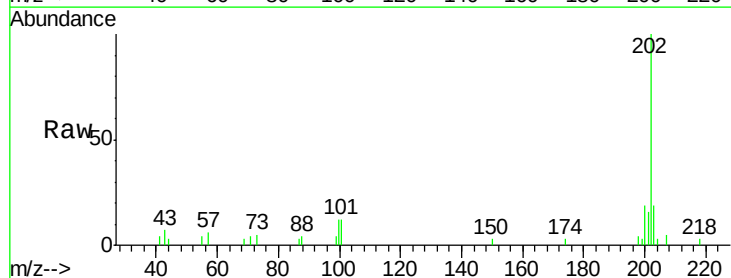
Tgt Ion:202 Resp: 14166

Ion Ratio Lower Upper

202 100

200 19.3 16.8 25.2

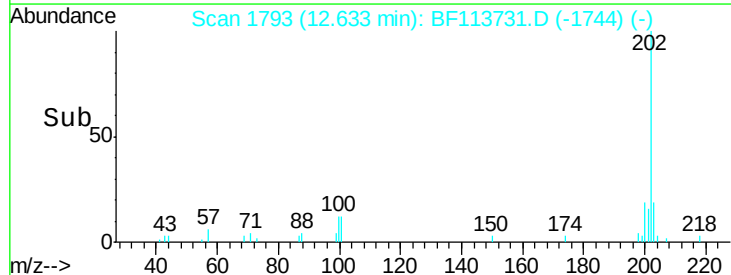
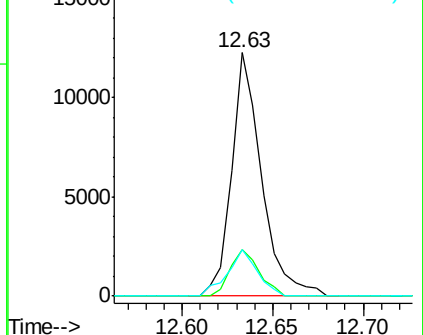
203 19.3 14.4 21.6

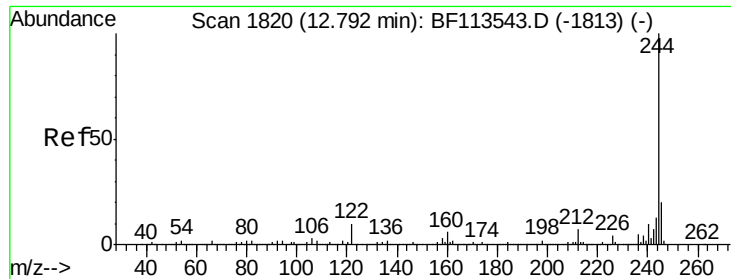


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.311 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

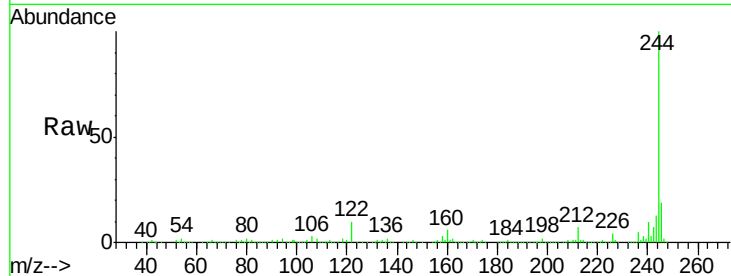
Tot Ion:244 Resp: 1326538

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

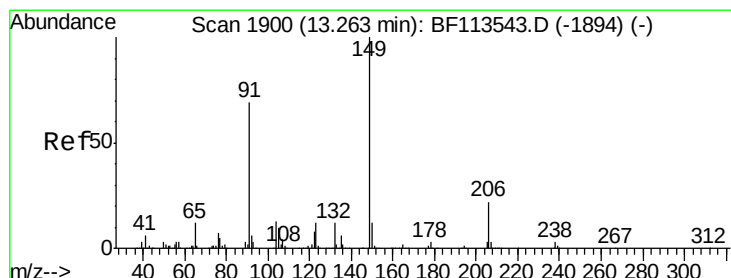
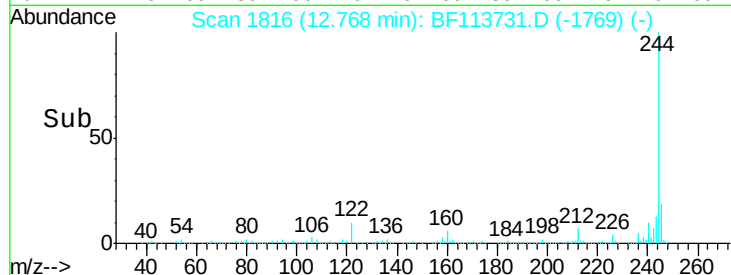
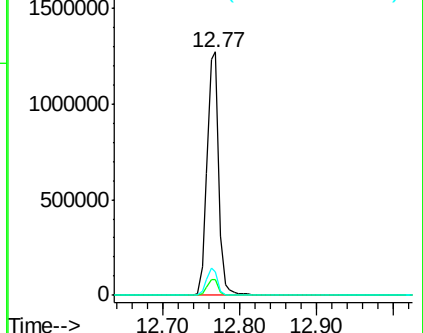
122 9.5 8.6 13.0



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



#80

Butylbenzylphthalate

Concen: 0.022 ng

RT: 13.48 min Scan# 1937

Delta R.T. 0.22 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

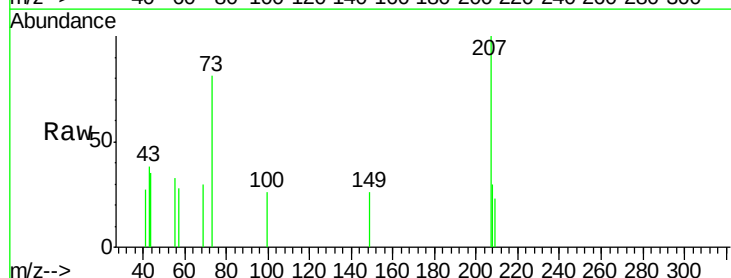
Tgt Ion:149 Resp: 231

Ion Ratio Lower Upper

149 100

91 0.0 55.2 82.8#

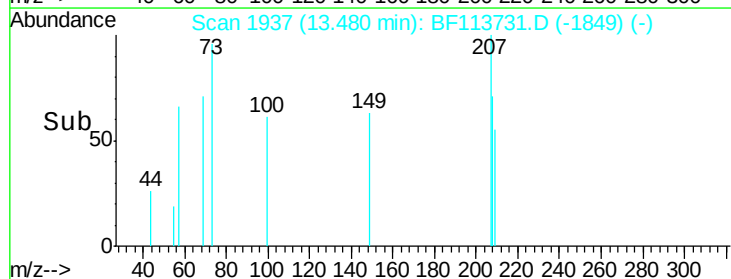
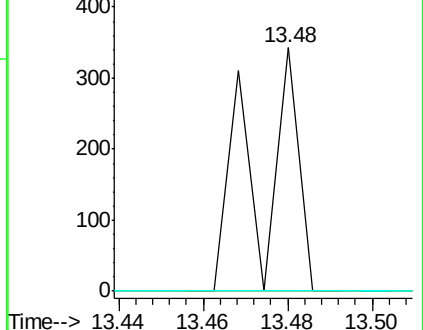
206 0.0 16.1 24.1#

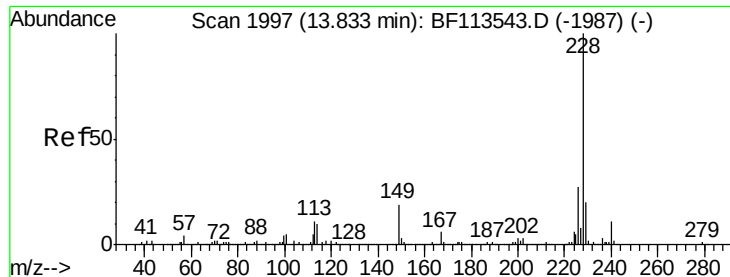


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.396 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

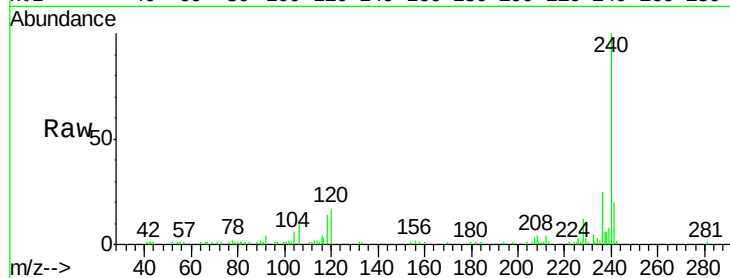
Tot Ion:228 Resp: 7871

Ion Ratio Lower Upper

228 100

226 25.1 21.8 32.8

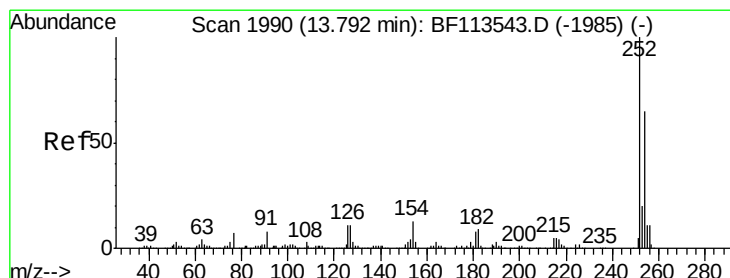
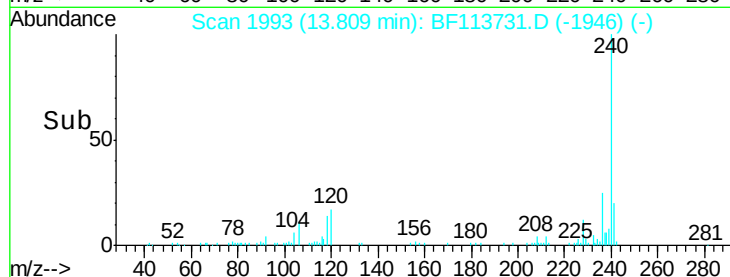
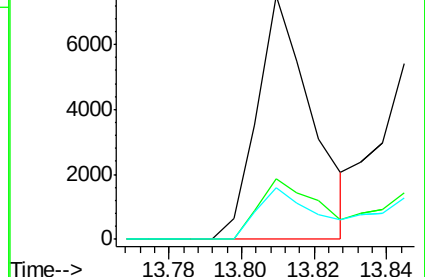
229 21.3 16.2 24.4



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



#82

3,3'-Dichlorobenzidine

Concen: 0.032 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

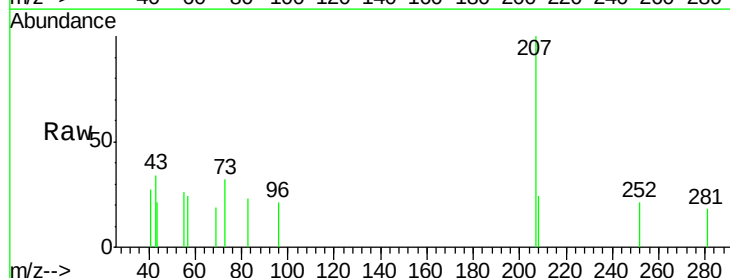
Tgt Ion:252 Resp: 243

Ion Ratio Lower Upper

252 100

254 0.0 52.2 78.2#

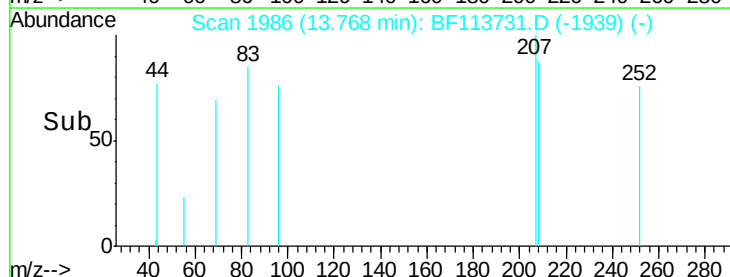
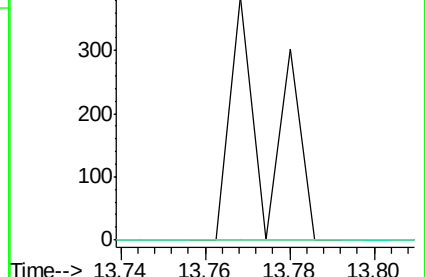
126 0.0 8.5 12.7#

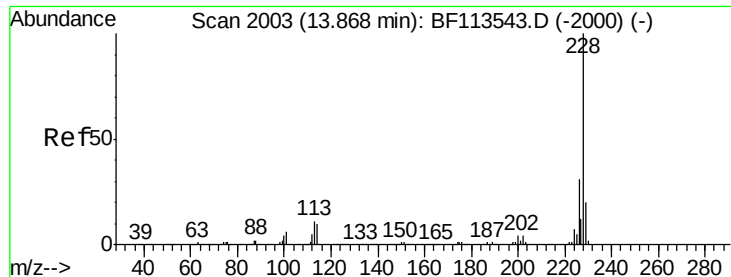


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.408 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

Instrument :

BNA_F

ClientSampleId :

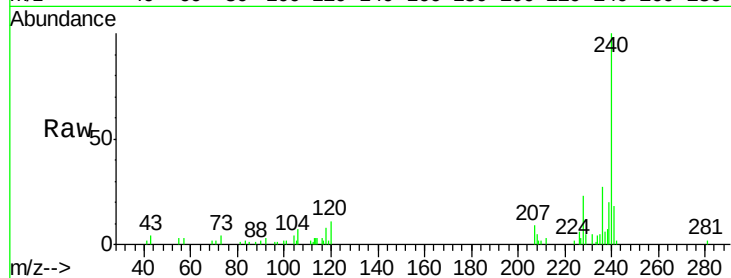
Tot Ion:228 Resp: 8223

Ion Ratio Lower Upper

228 100

226 26.5 24.3 36.5

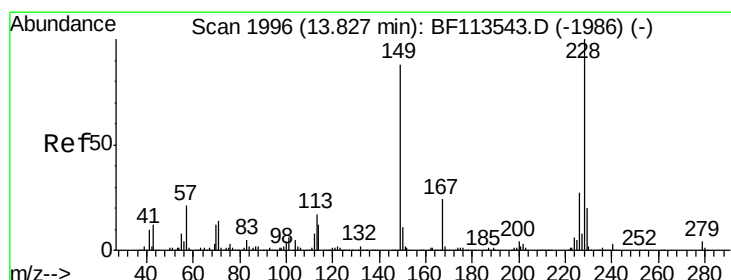
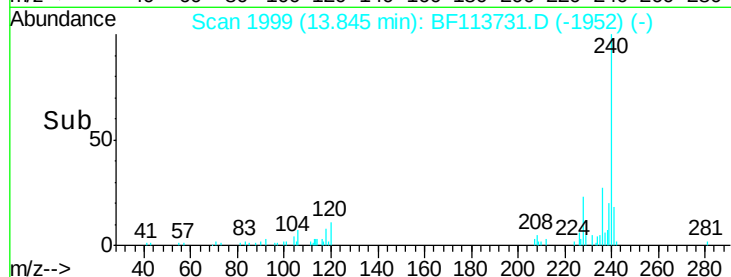
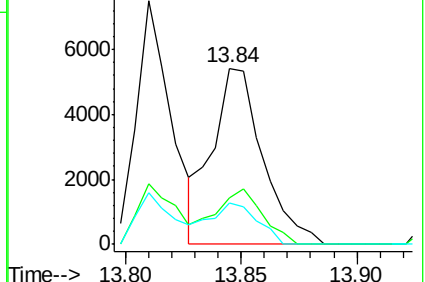
229 23.7 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.073 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113731.D

Acq: 11 Apr 2019 20:27

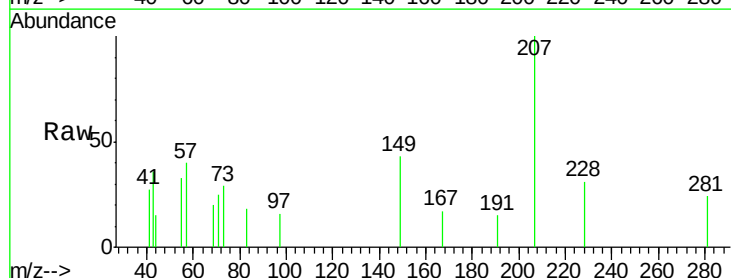
Tgt Ion:149 Resp: 944

Ion Ratio Lower Upper

149 100

167 39.4 21.8 32.8#

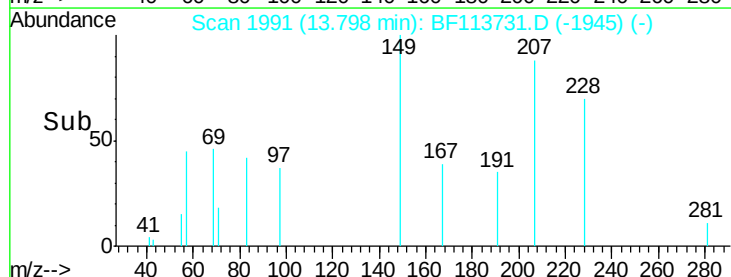
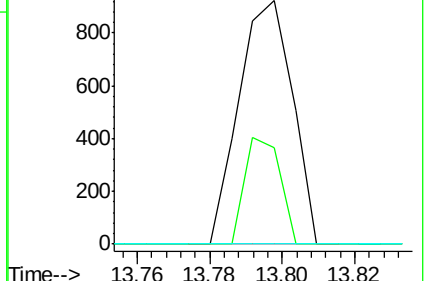
279 0.0 2.9 4.3#

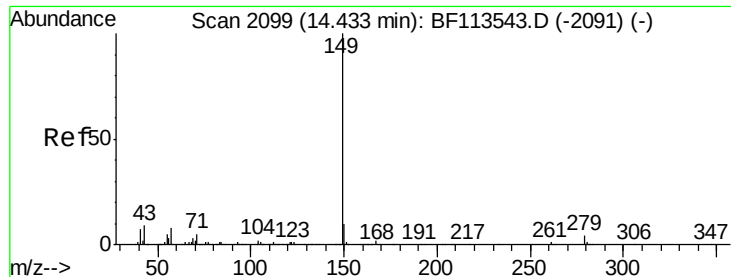


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

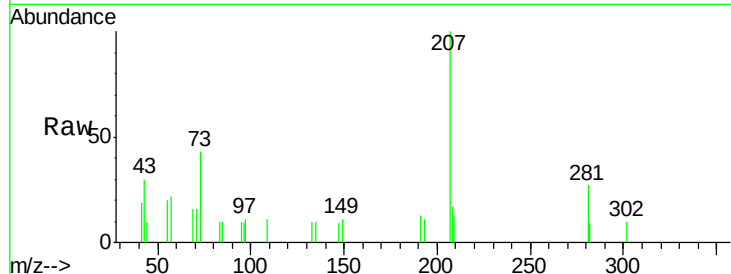




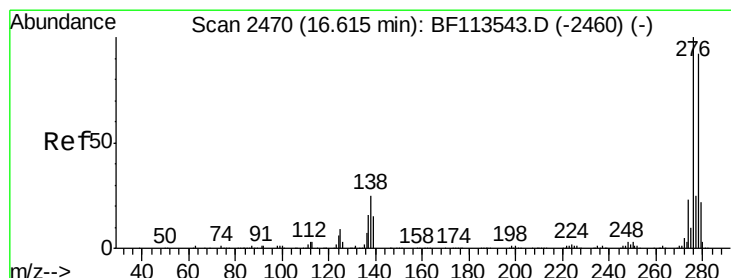
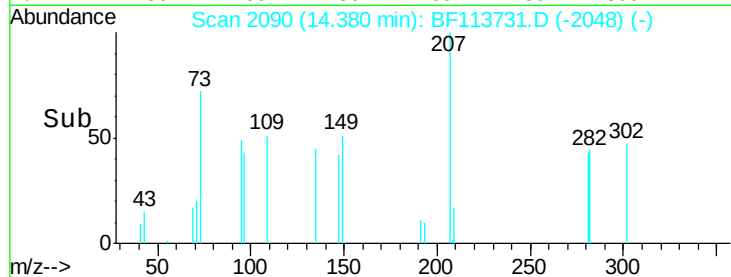
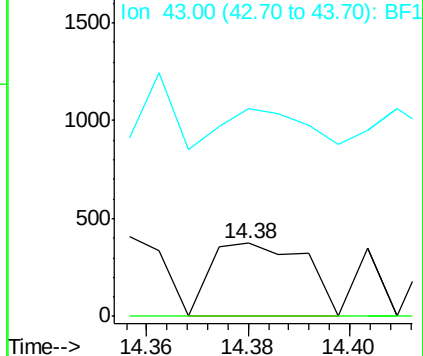
#85
Di-n-octyl phthalate
Concen: 0.023 ng
RT: 14.38 min Scan# 2090
Delta R.T. -0.05 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	0.0	7.7	11.5#

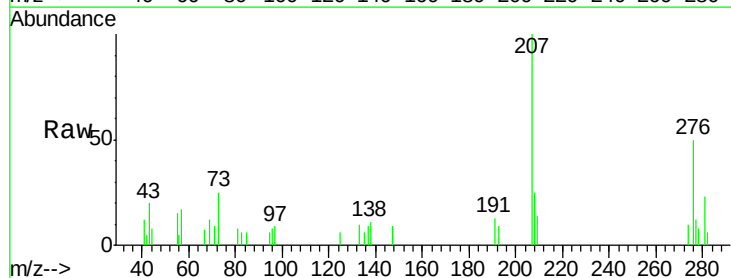


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

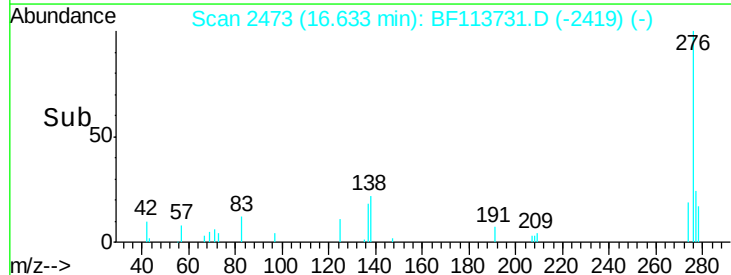
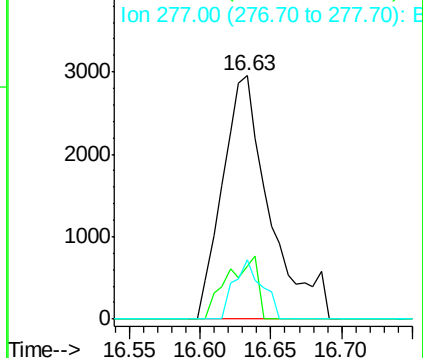


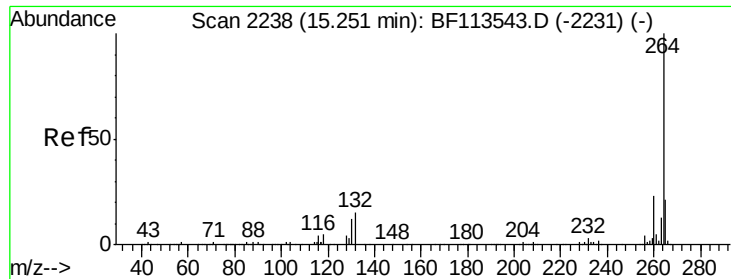
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	18.1	27.1#
277	14.6	20.2	30.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



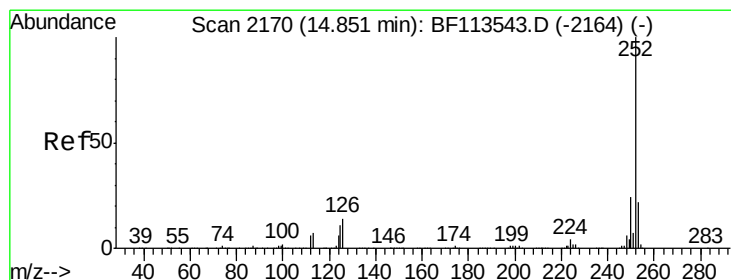
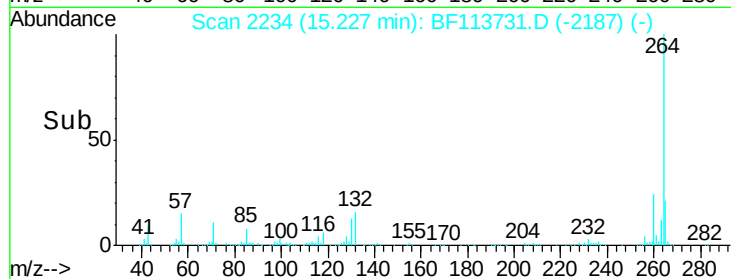
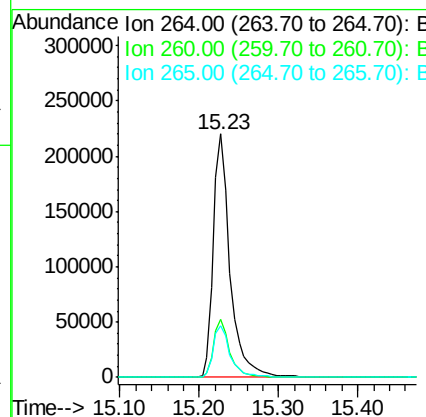
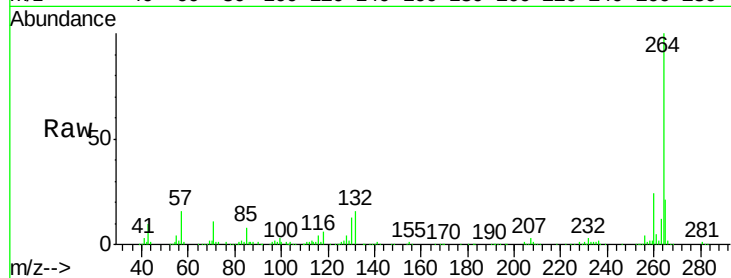


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 325250

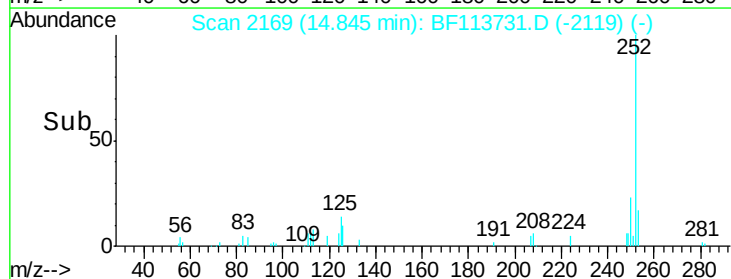
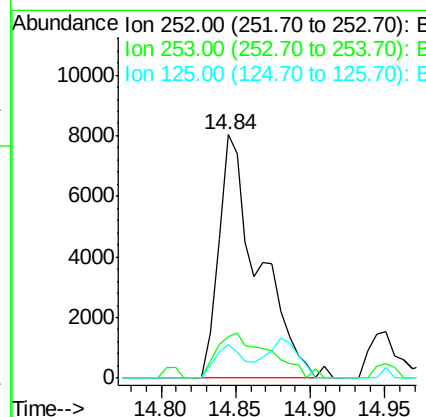
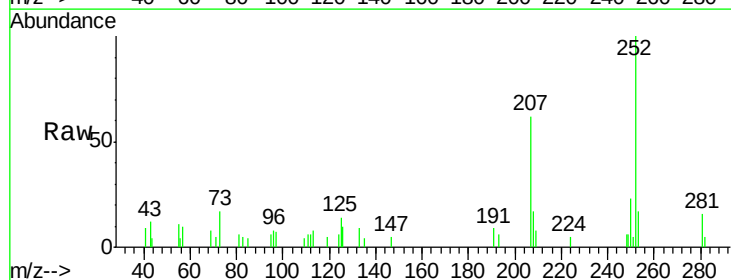
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	20.9	17.1	25.7

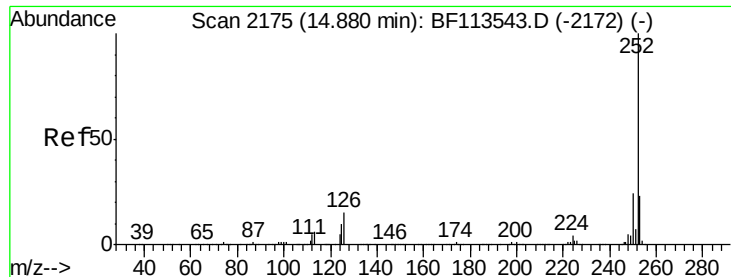


#88
Benzo(b)fluoranthene
Concen: 0.747 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:252 Resp: 14872

Ion	Ratio	Lower	Upper
252	100		
253	16.7	18.0	27.0#
125	13.7	7.6	11.4#

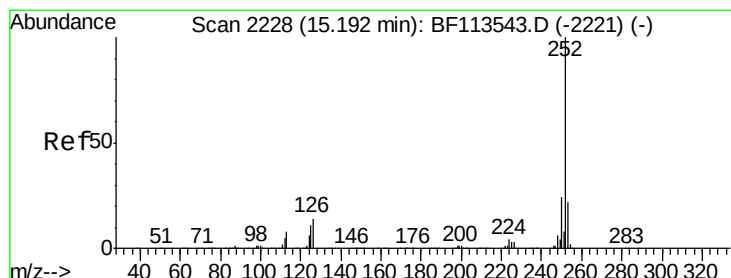
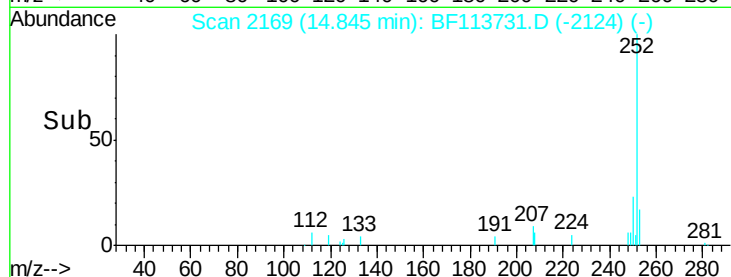
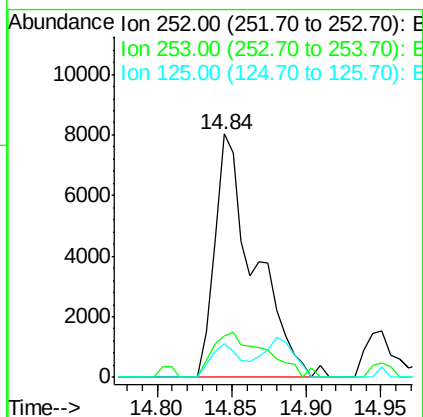
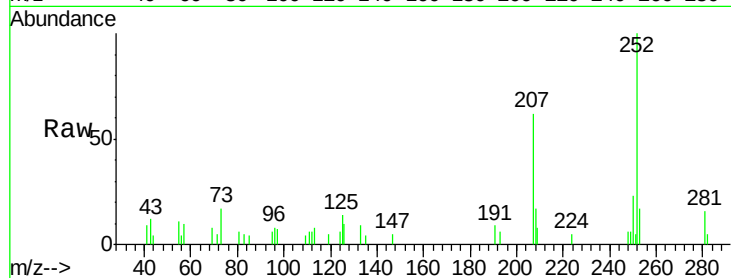




#89
Benzo(k)fluoranthene
Concen: 0.832 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

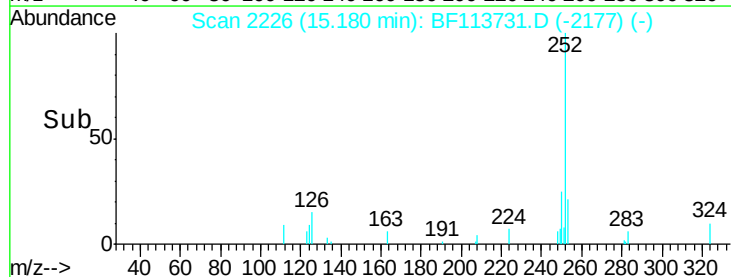
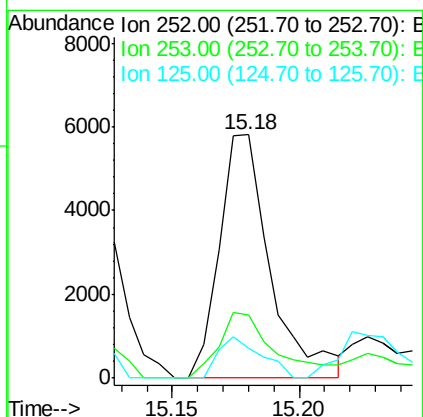
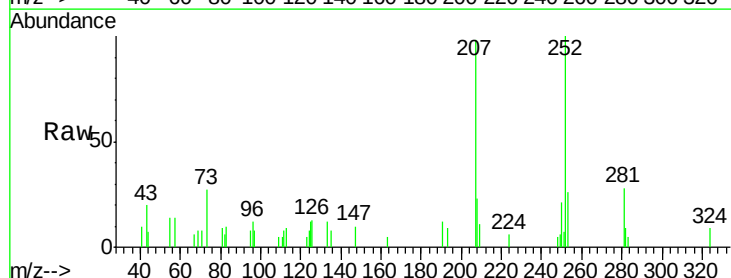
Instrument :
BNA_F
ClientSampleId :

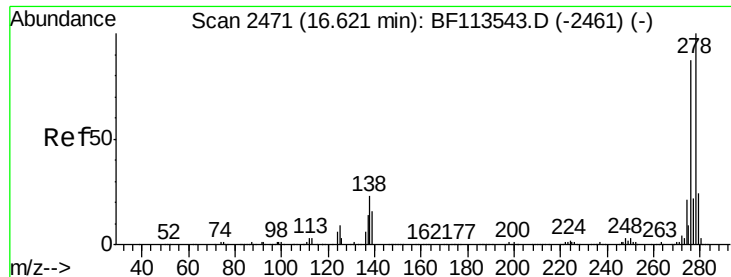
Tot Ion:252 Resp: 14872
Ion Ratio Lower Upper
252 100
253 16.7 17.7 26.5#
125 13.7 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 0.460 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:252 Resp: 8130
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 12.4 8.8 13.2



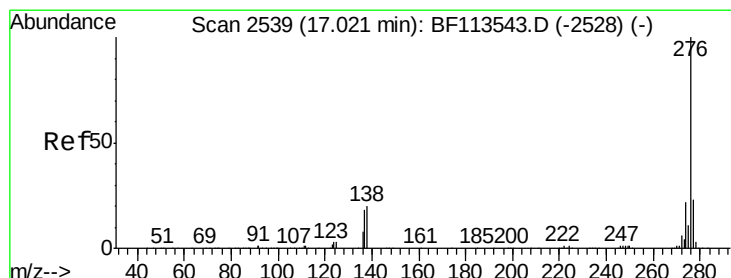
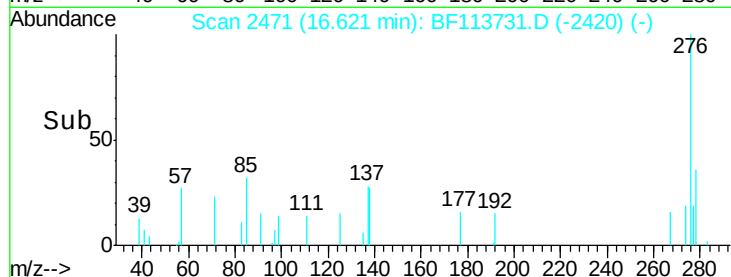
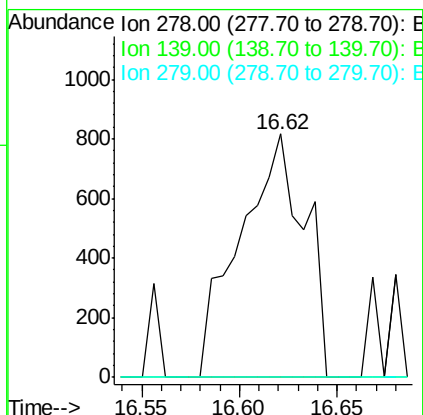
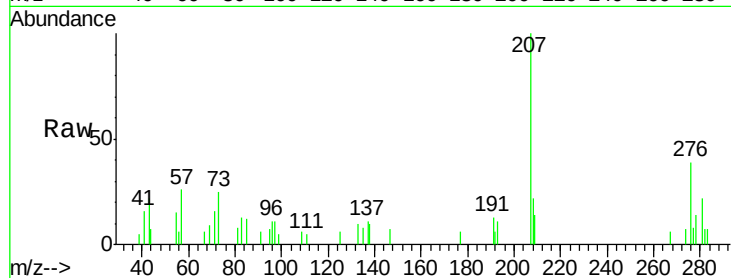


#91
Dibenzo(a,h)anthracene
Concen: 0.113 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 1873

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	0.0	19.0	28.6#



#92
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF113731.D
Acq: 11 Apr 2019 20:27

Tgt Ion:276 Resp: 6360

Ion	Ratio	Lower	Upper
276	100		
277	30.6	18.8	28.2#
138	20.6	15.6	23.4

