

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118130.D
 Acq On : 7 Dec 2019 15:44
 Operator : JU
 Sample : K6141-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 05:43:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	130986	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	516880	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	283858	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	545084	20.00	ng	0.00
76) Chrysene-d12	14.06	240	385592	20.00	ng	-0.01
87) Perylene-d12	15.54	264	340102	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1000624	133.80	ng	0.00
7) Phenol-d6	6.50	99	1271034	140.51	ng	0.00
23) Nitrobenzene-d5	7.43	82	741742	80.73	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	412886	119.73	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1429015	76.60	ng	0.00
79) Terphenyl-d14	13.00	244	1881964	83.93	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.51	93	930	0.080	ng	# 1
8) 2-Chlorophenol	6.65	128	255	0.030	ng	# 1
9) Benzaldehyde	6.50	77	2391	Below Cal		# 1
10) Phenol	6.51	94	33209	3.219	ng	# 99
11) bis(2-Chloroethyl)ether	6.64	93	1550	0.208	ng	# 1
12) 1,3-Dichlorobenzene	6.88	146	471	0.048	ng	# 82
13) 1,4-Dichlorobenzene	6.88	146	471	0.047	ng	# 63
14) 1,2-Dichlorobenzene	6.88	146	471	0.051	ng	# 64
15) Benzyl Alcohol	7.02	79	12790	1.811	ng	# 50
19) n-Nitroso-di-n-propylamine	7.43	70	102829	18.708	ng	# 76
22) Acetophenone	7.27	105	273	0.022	ng	# 49
24) Nitrobenzene	7.43	77	2233	0.247	ng	# 31
25) Isophorone	7.43	82	736303	47.274	ng	# 62
31) Naphthalene	8.17	128	575	0.022	ng	# 68
37) 2-Methylnaphthalene	8.87	142	136	0.008	ng	# 15
38) 1-Methylnaphthalene	8.87	142	136	0.008	ng	# 7
46) 1,1'-Biphenyl	9.33	154	3444	0.154	ng	# 97
48) 2-Nitroaniline	9.62	65	1084	0.211	ng	# 1
49) Acenaphthylene	9.77	152	495	0.019	ng	# 60
50) Dimethylphthalate	9.62	163	150774	7.191	ng	# 100
51) 2,6-Dinitrotoluene	9.62	165	1377	0.302	ng	# 23
52) Acenaphthene	9.91	154	923	0.057	ng	# 4
57) 2,4-Dinitrotoluene	9.91	165	35398	5.817	ng	# 25
58) Fluorene	10.70	166	14733	0.780	ng	# 78
60) Diethylphthalate	10.33	149	589	0.029	ng	# 60
63) Azobenzene	10.70	77	1576	0.089	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.71	198	864	0.287	ng	# 1
66) n-Nitrosodiphenylamine	10.70	169	11671	0.686	ng	# 48
67) 4-Bromophenyl-phenylether	10.71	248	25598	4.114	ng	# 1
71) Phenanthrene	11.43	178	1193	0.041	ng	# 80
72) Anthracene	11.49	178	1108	0.038	ng	# 61
74) Di-n-butylphthalate	11.96	149	2140	0.066	ng	# 78
75) Fluoranthene	12.62	202	2497	0.084	ng	# 96
77) Benzidine	13.00	184	25899	2.551	ng	# 90

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

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

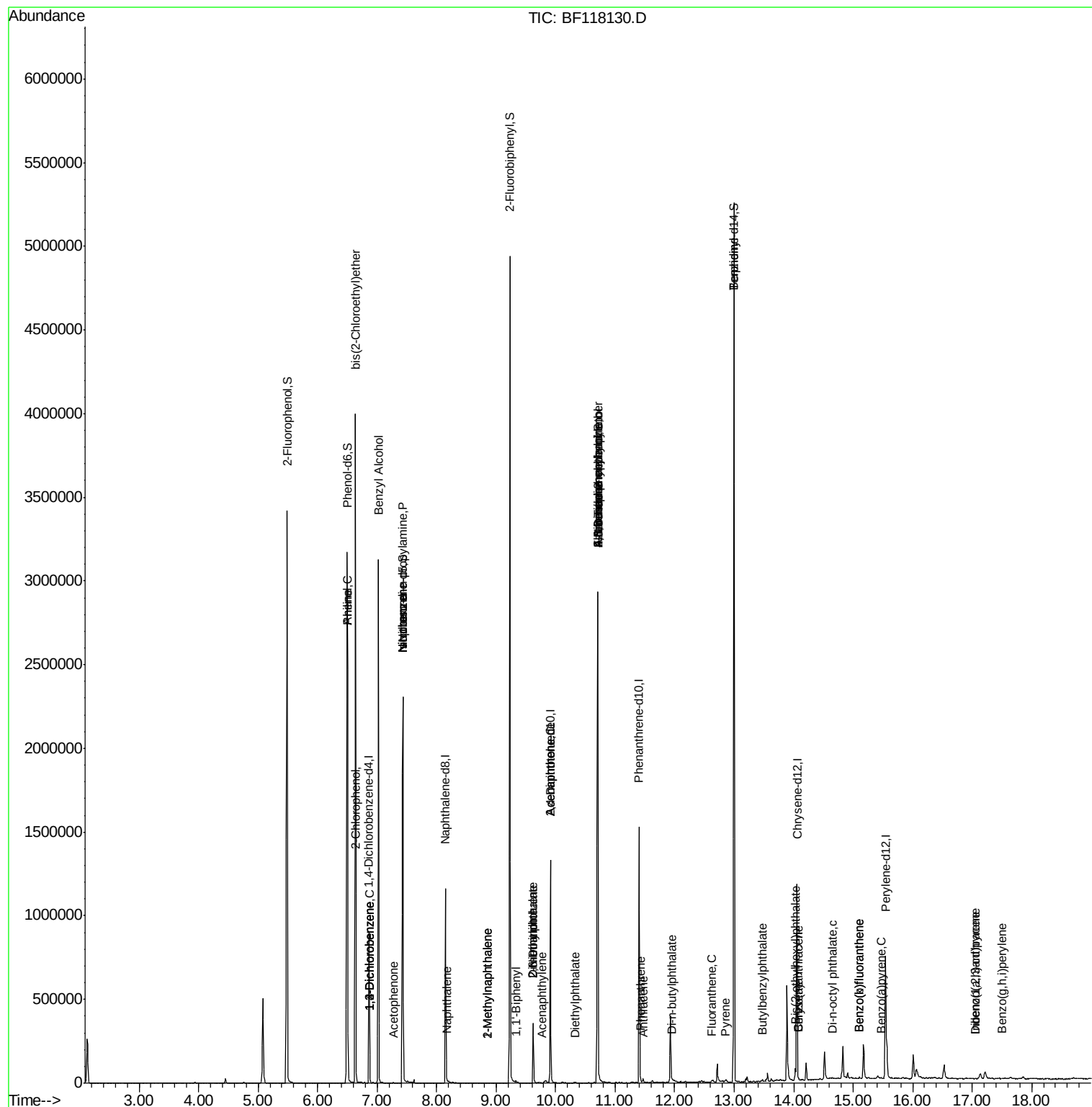
78) Pyrene	12.85	202	3121	0.103	ng	93
80) Butylbenzylphthalate	13.47	149	110	0.008	ng	# 21
81) Benzo(a)anthracene	14.08	228	6036	0.226	ng	# 89
83) Chrysene	14.08	228	6036	0.237	ng	# 92
84) Bis(2-ethylhexyl)phthalate	14.03	149	19085	1.052	ng	93
85) Di-n-octyl phthalate	14.65	149	596	0.022	ng	# 72
86) Indeno(1,2,3-cd)pyrene	17.05	276	1439	0.067	ng	# 66
88) Benzo(b)fluoranthene	15.11	252	6098	0.271	ng	# 89
89) Benzo(k)fluoranthene	15.11	252	6098	0.282	ng	# 86
90) Benzo(a)pyrene	15.48	252	860	0.043	ng	# 64
91) Dibenzo(a,h)anthracene	17.06	278	237	0.014	ng	# 57
92) Benzo(a,h,i)perylene	17.50	276	1336	0.082	ng	# 55

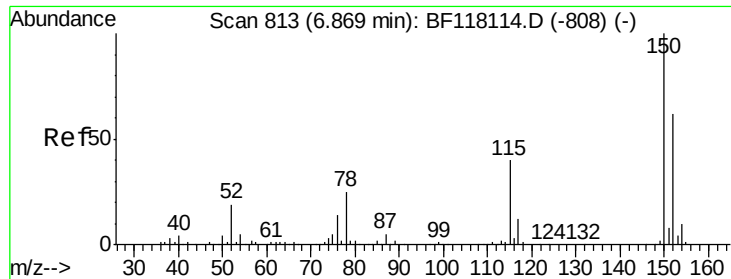
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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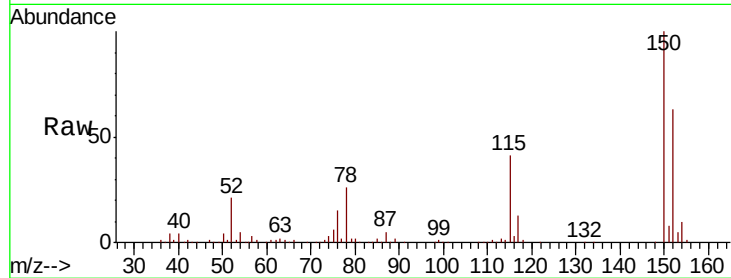


#1

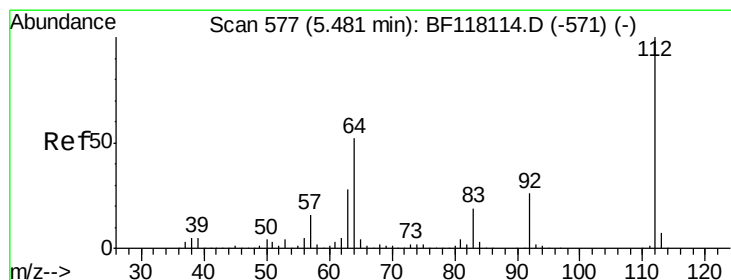
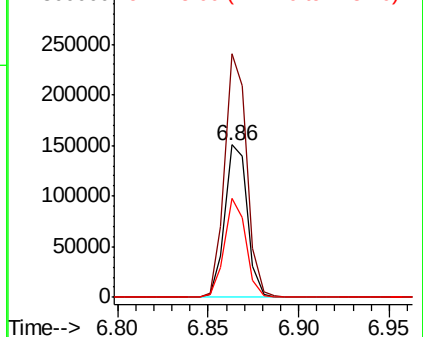
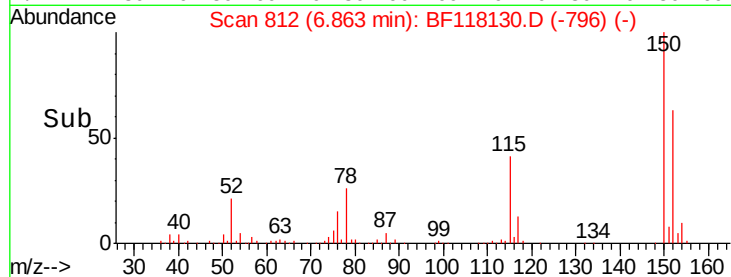
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 130986
Ion Ratio Lower Upper
152 100
150 159.8 128.3 192.5
115 65.2 51.1 76.7



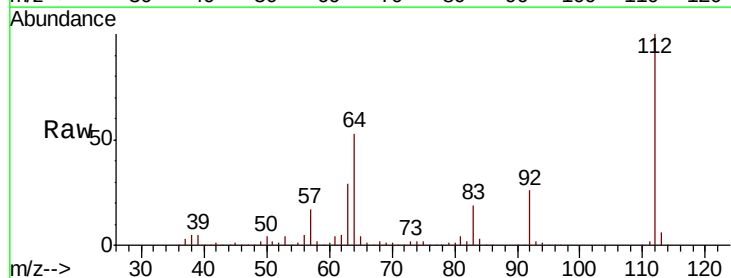
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



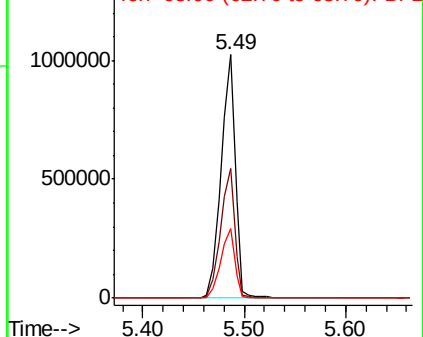
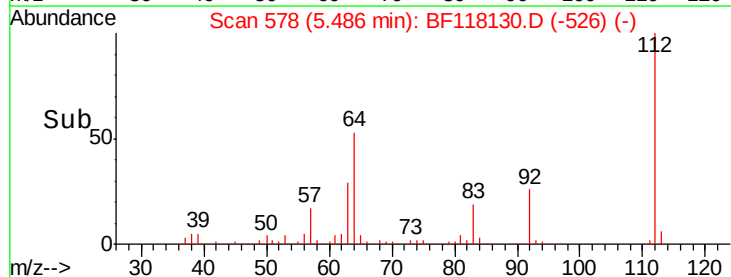
#5

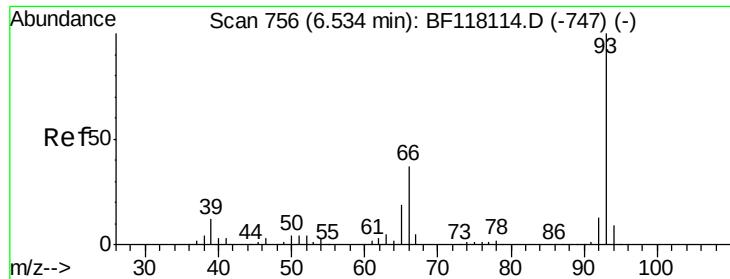
2-Fluorophenol
Concen: 133.797 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:112 Resp: 1000624
Ion Ratio Lower Upper
112 100
64 53.5 41.3 61.9
63 28.8 22.4 33.6



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: 0.080 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

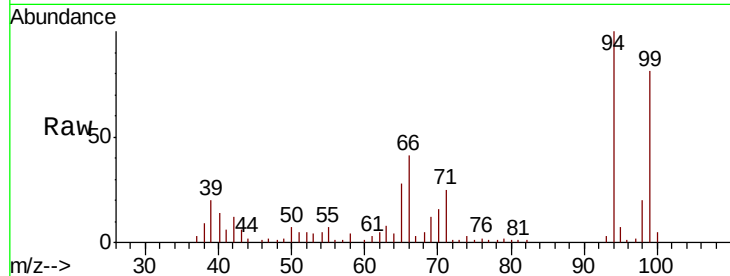
Tot Ion: 93 Resp: 930

Ion Ratio Lower Upper

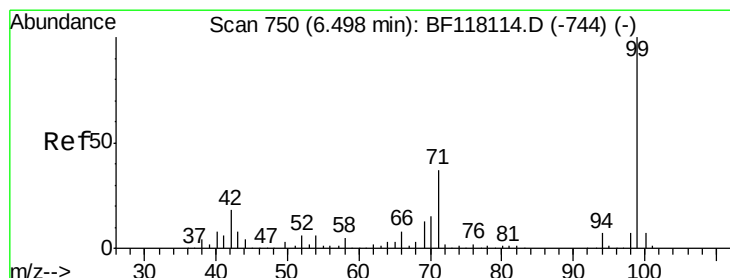
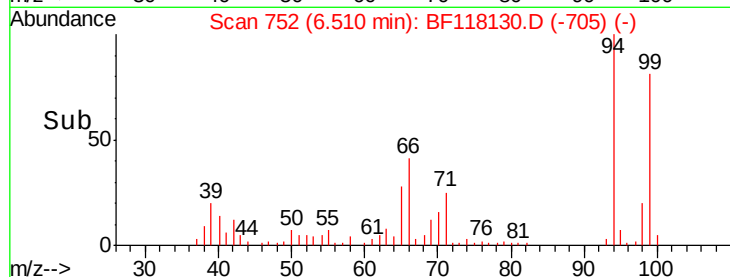
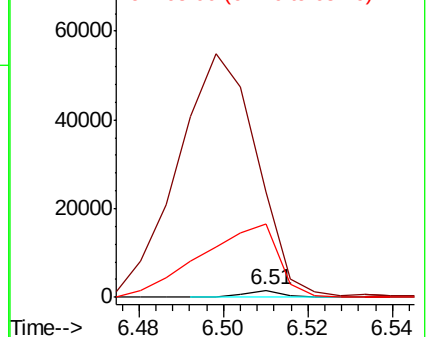
93 100

66 1465.8 30.2 45.2#

65 1026.4 15.5 23.3#



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: 140.513 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

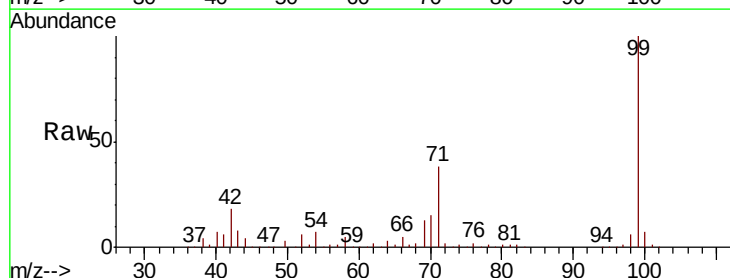
Tgt Ion: 99 Resp: 1271034

Ion Ratio Lower Upper

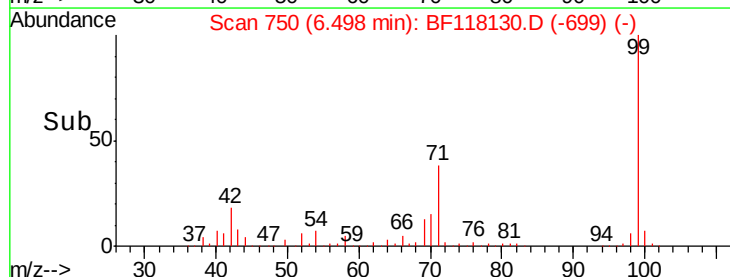
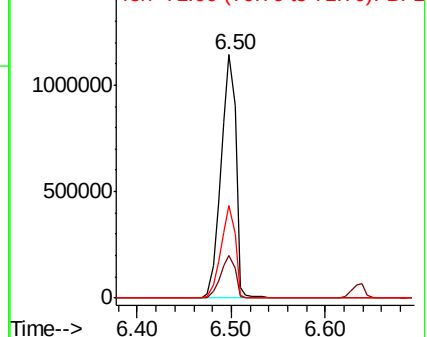
99 100

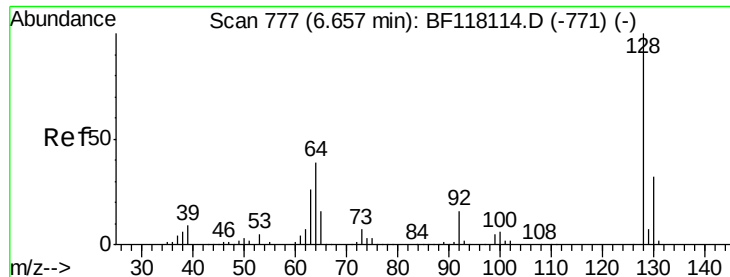
42 17.6 14.1 21.1

71 37.8 29.7 44.5



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: 0.030 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

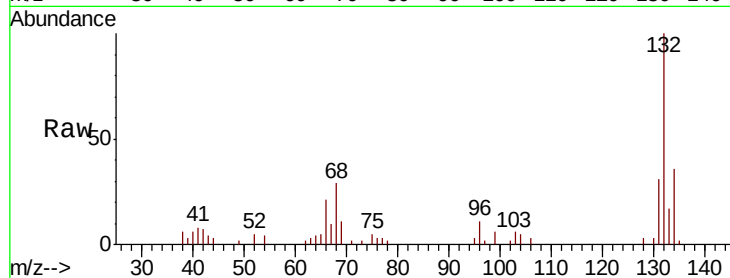
Tot Ion:128 Resp: 255

Ion Ratio Lower Upper

128 100

130 121.5 12.1 52.1#

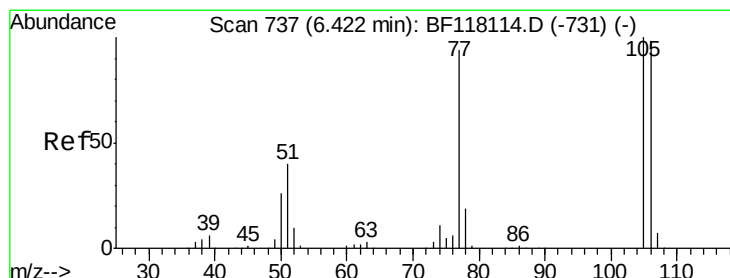
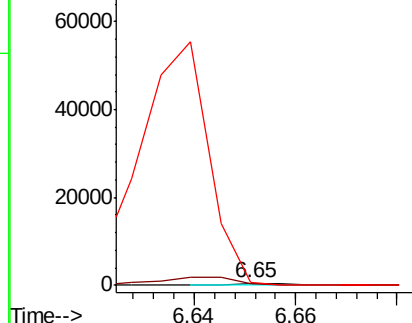
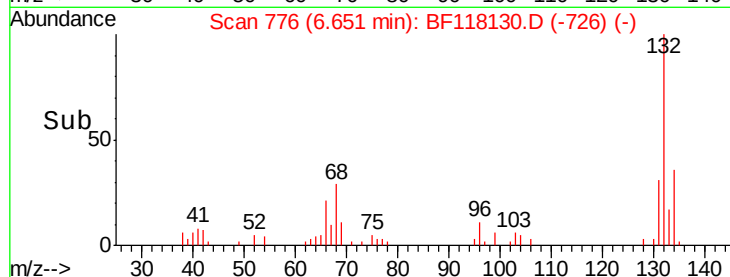
64 179.0 19.3 59.3#



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: Below Cal

RT: 6.50 min Scan# 751

Delta R.T. 0.08 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

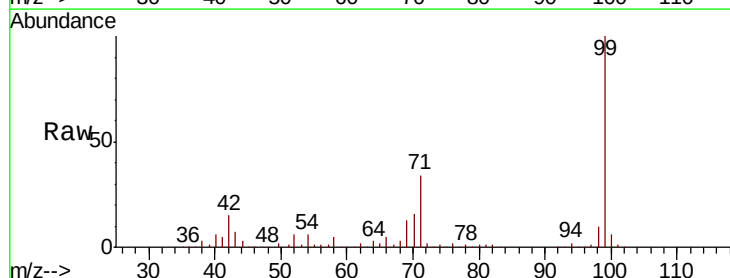
Tgt Ion: 77 Resp: 2391

Ion Ratio Lower Upper

77 100

105 0.0 86.4 126.4#

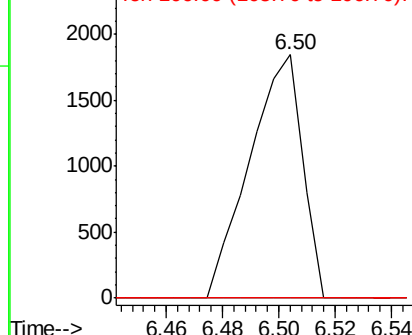
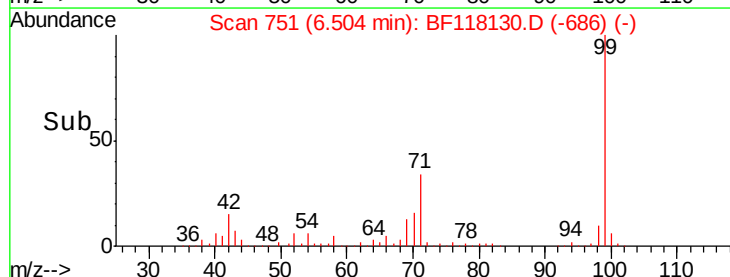
106 0.0 83.8 123.8#

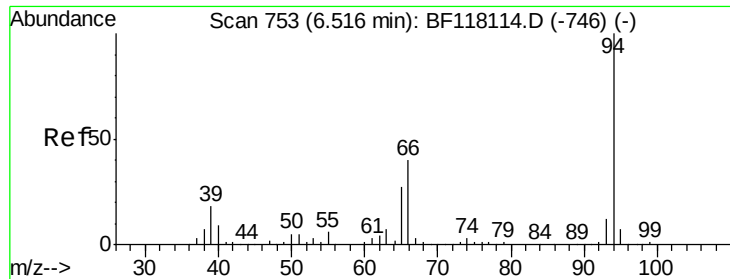


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

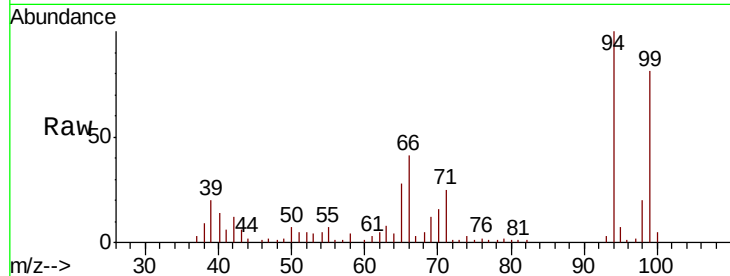




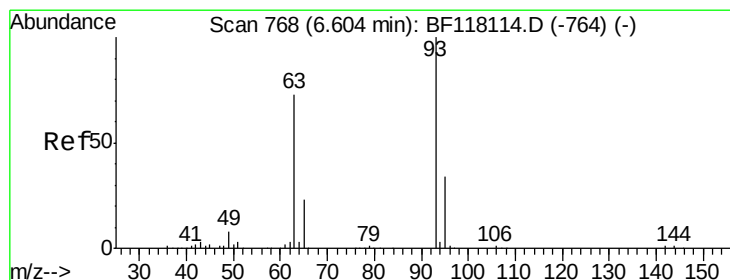
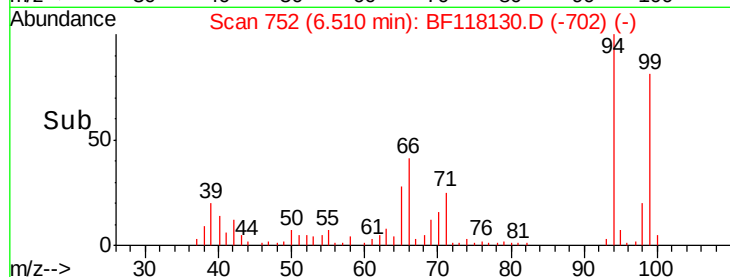
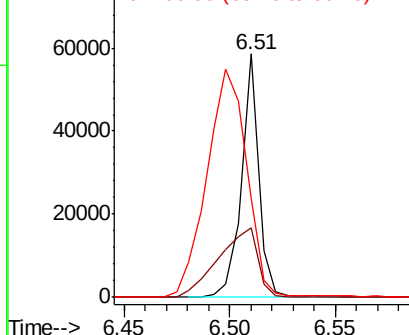
#10
Phenol
Concen: 3.219 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 33209
Ion Ratio Lower Upper
94 100
65 28.4 7.3 47.3
66 40.6 20.2 60.2

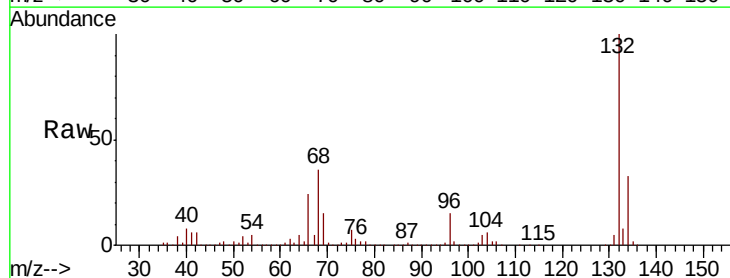


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

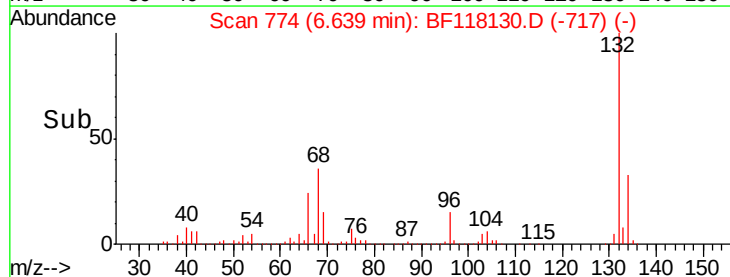
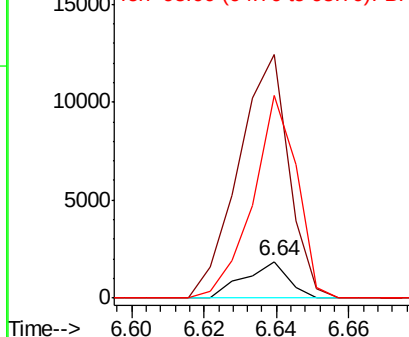


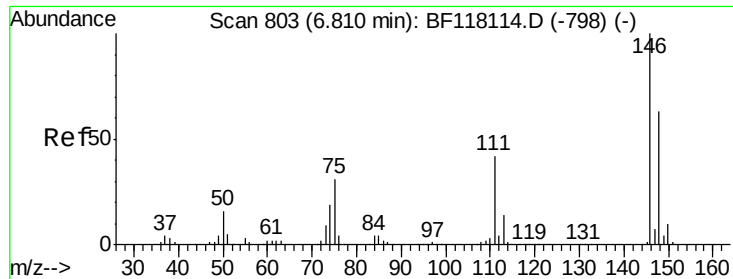
#11
bis(2-Chloroethyl)ether
Concen: 0.208 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.04 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion: 93 Resp: 1550
Ion Ratio Lower Upper
93 100
63 662.1 53.2 93.2#
95 550.3 13.8 53.8#



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

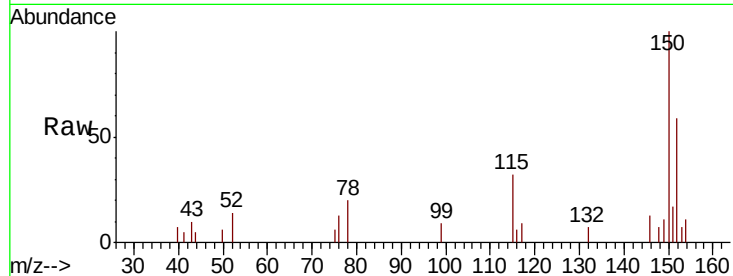




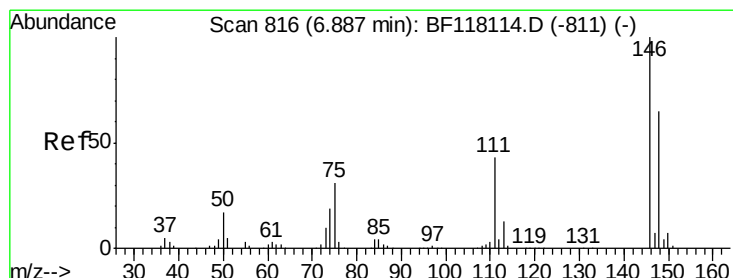
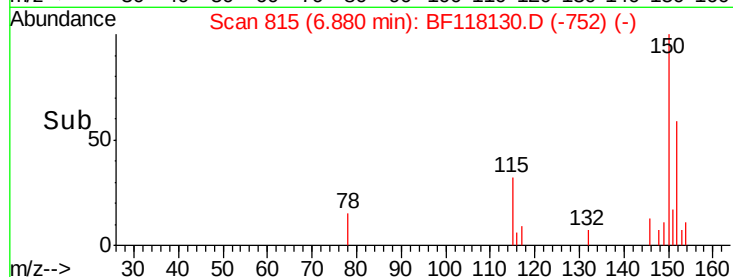
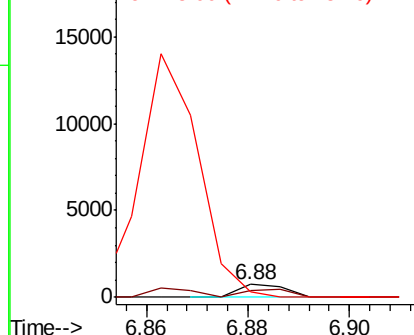
#12
 1,3-Dichlorobenzene
 Concen: 0.048 ng
 RT: 6.88 min Scan# 815
 Delta R.T. 0.07 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 471
 Ion Ratio Lower Upper
 146 100
 148 51.5 50.2 75.4
 75 45.1 24.6 37.0#

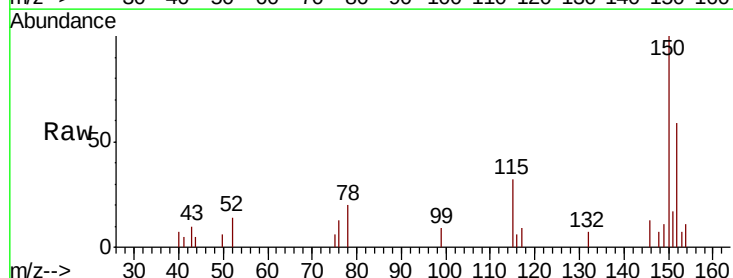


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

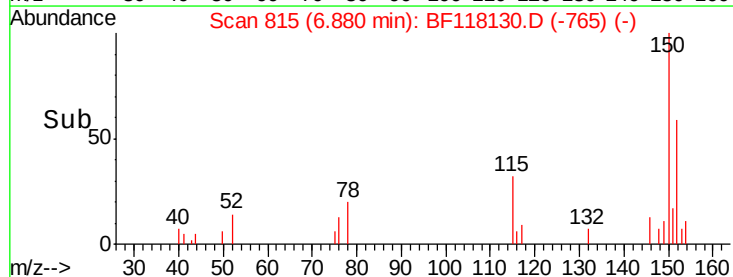
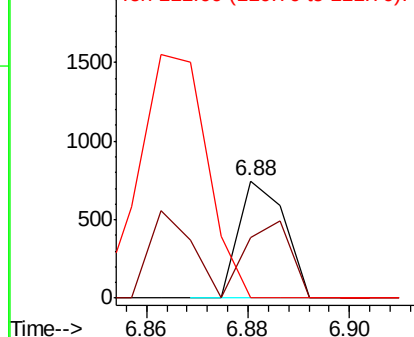


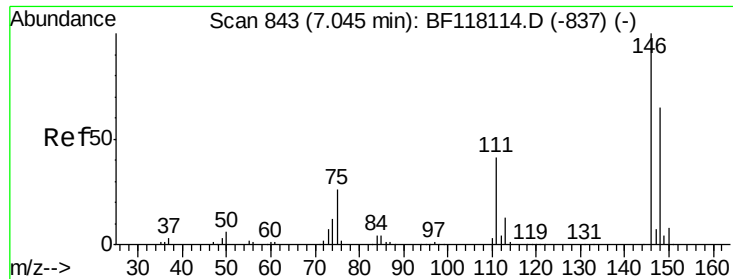
#13
 1,4-Dichlorobenzene
 Concen: 0.047 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Tgt Ion:146 Resp: 471
 Ion Ratio Lower Upper
 146 100
 148 51.5 52.1 78.1#
 111 0.0 34.6 52.0#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

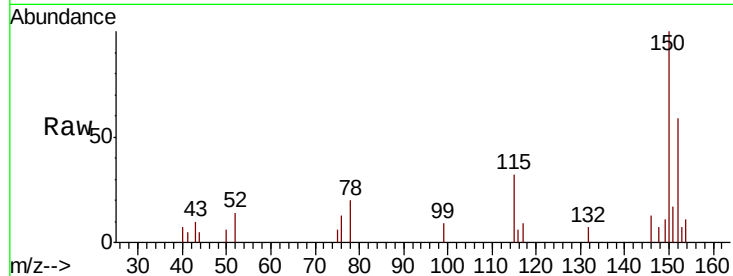




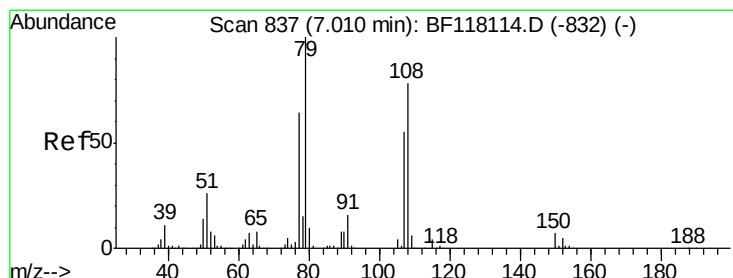
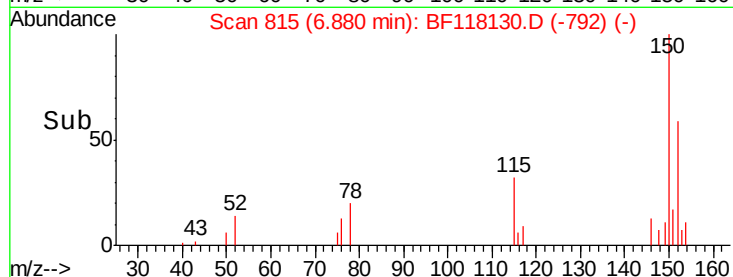
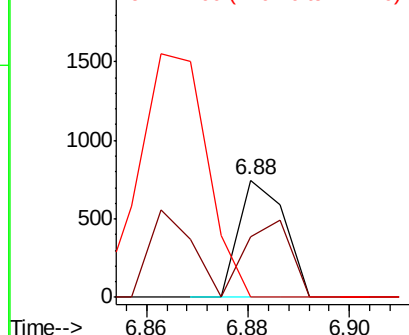
#14
1,2-Dichlorobenzene
Concen: 0.051 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.16 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:146 Resp: 471
Ion Ratio Lower Upper
146 100
148 51.5 52.2 78.2#
111 0.0 33.1 49.7#

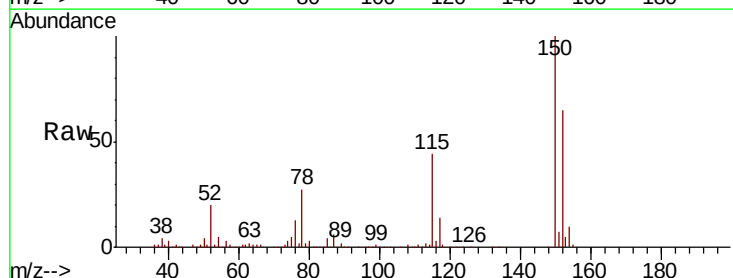


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

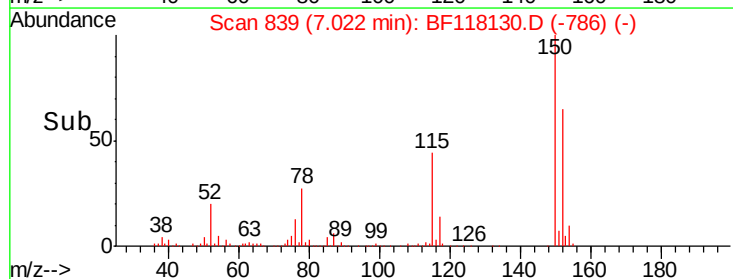
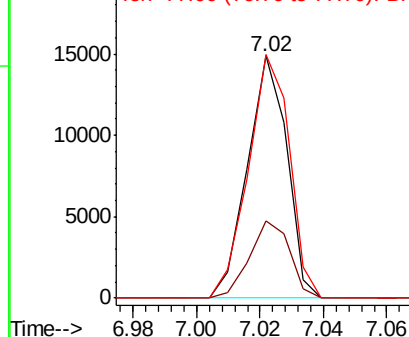


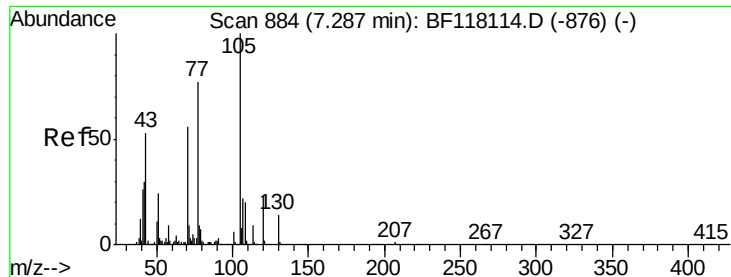
#15
Benzyl Alcohol
Concen: 1.811 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion: 79 Resp: 12790
Ion Ratio Lower Upper
79 100
108 31.8 62.7 94.1#
77 100.7 51.4 77.2#



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

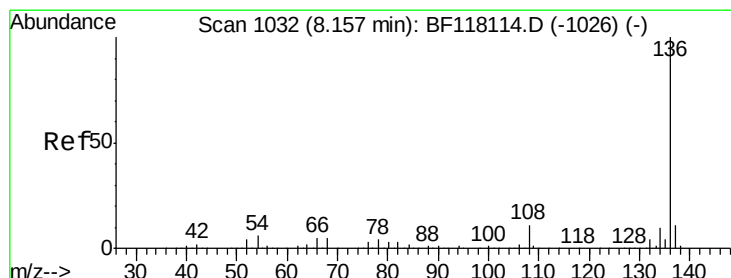
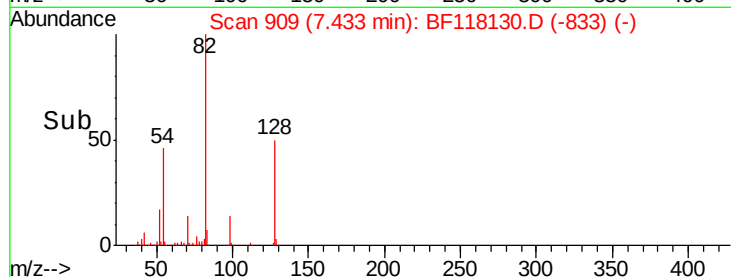
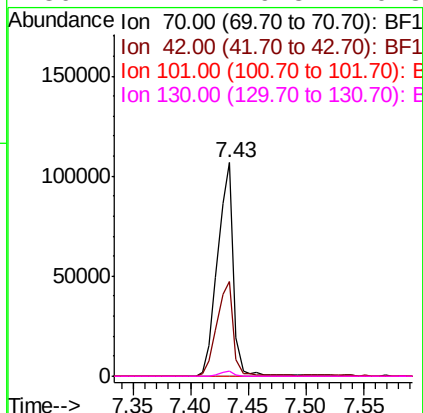
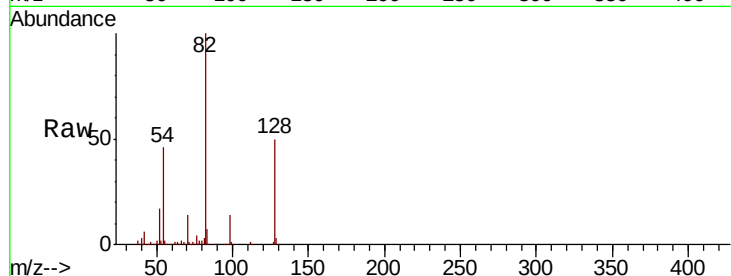




#19
n-Nitroso-di-n-propylamine
Concen: 18.708 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

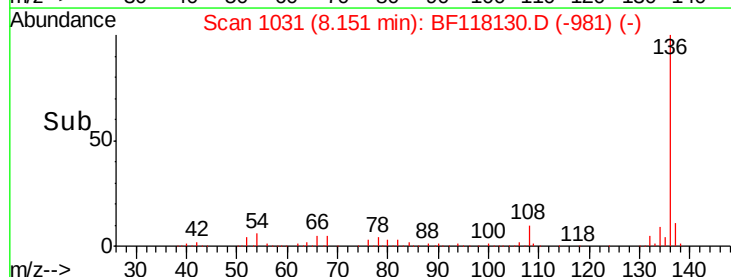
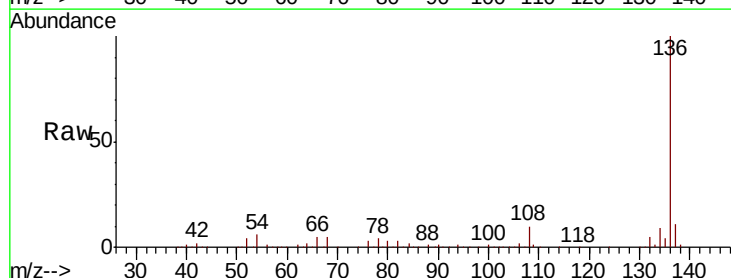
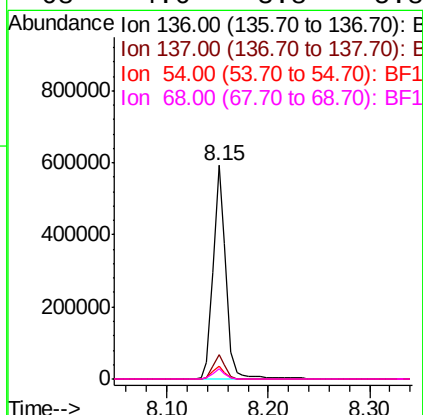
Instrument :
BNA_F
ClientSampleId :

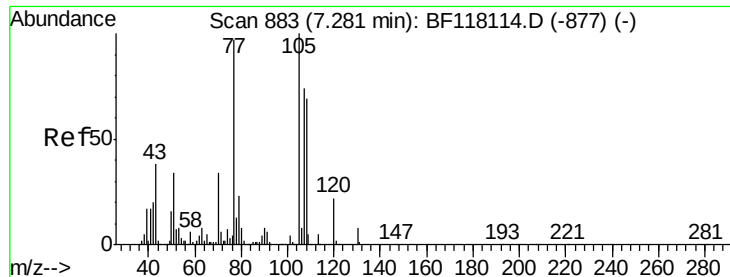
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.6	43.2	64.8
101	0.0	8.1	12.1
130	2.2	19.8	29.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	6.2	5.0	7.6
68	4.6	3.8	5.8

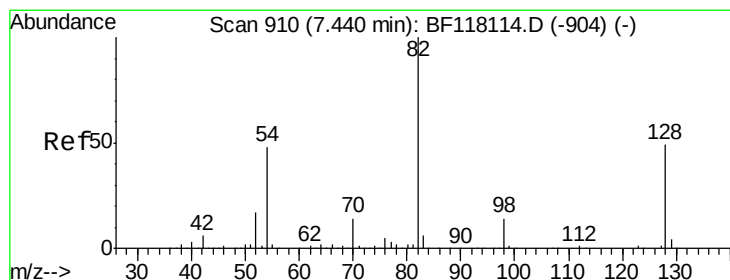
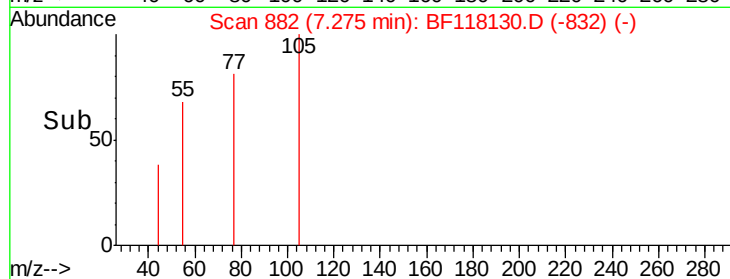
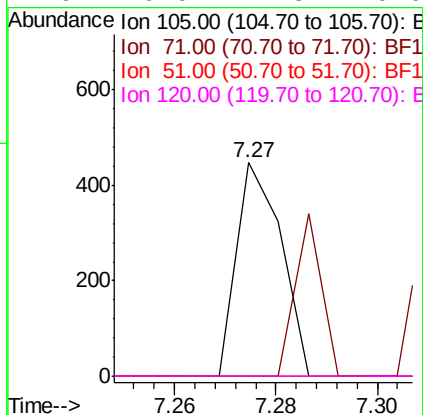
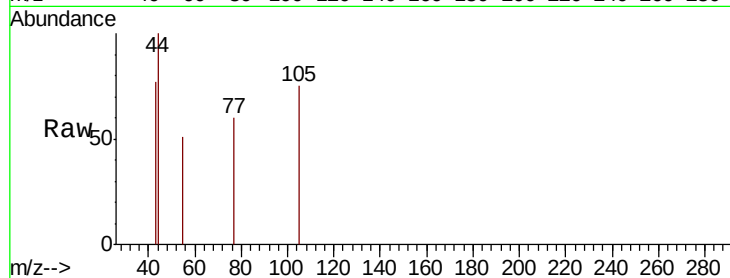




#22
Acetophenone
Concen: 0.022 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

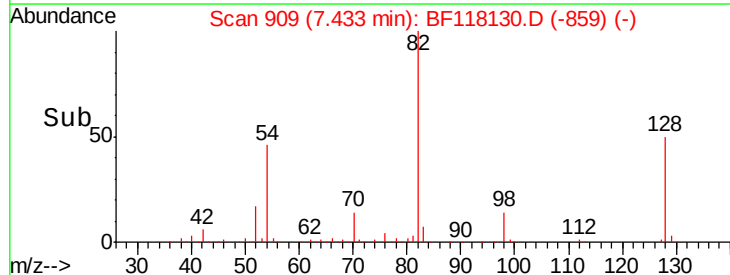
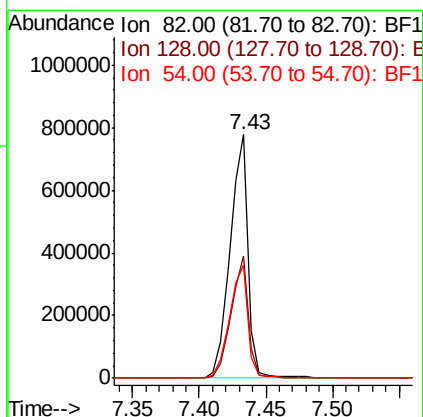
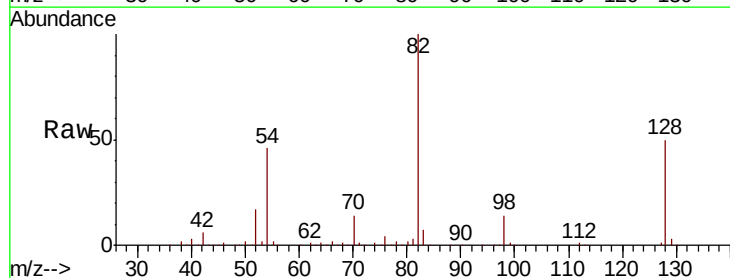
Instrument :
BNA_F
ClientSampleId :

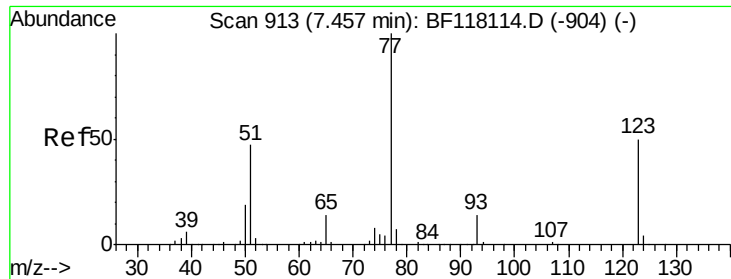
Tot Ion:105 Resp: 273
Ion Ratio Lower Upper
105 100
71 0.0 4.7 7.1#
51 0.0 27.1 40.7#
120 0.0 17.8 26.6#



#23
Nitrobenzene-d5
Concen: 80.732 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion: 82 Resp: 741742
Ion Ratio Lower Upper
82 100
128 50.1 39.1 58.7
54 46.4 38.2 57.2





#24

Nitrobenzene

Concen: 0.247 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

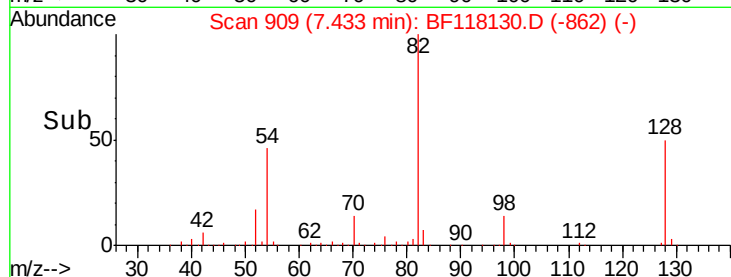
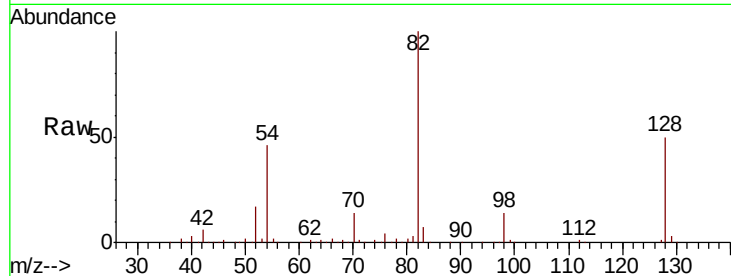
Tot Ion: 77 Resp: 2233

Ion Ratio Lower Upper

77 100

123 0.0 40.1 60.1#

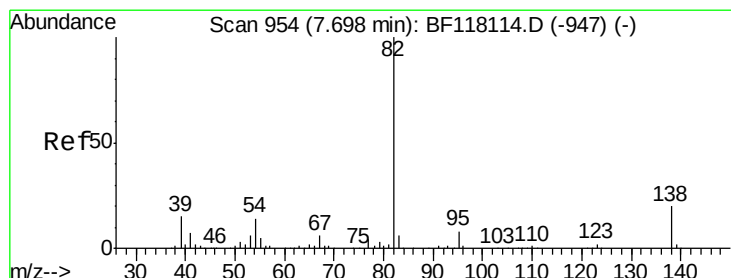
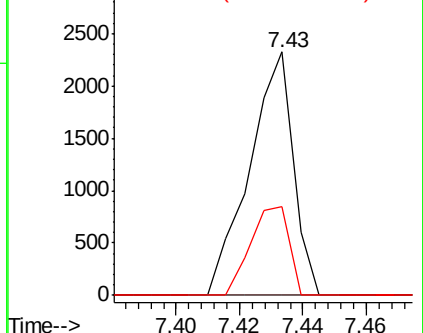
65 36.4 10.9 16.3#



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: 47.274 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

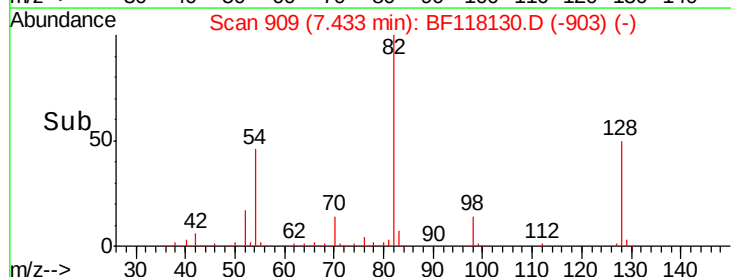
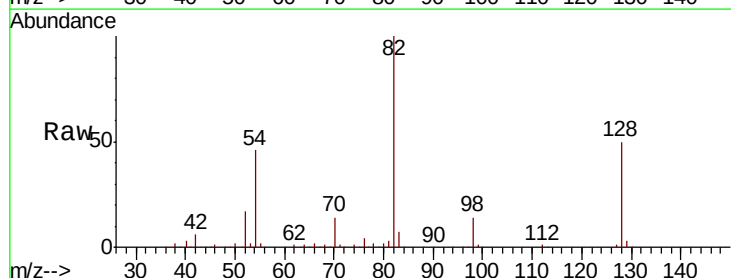
Tgt Ion: 82 Resp: 736303

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

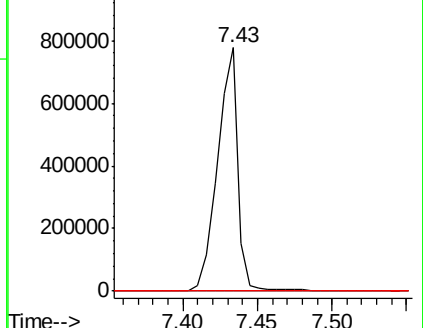
138 0.0 16.3 24.5#

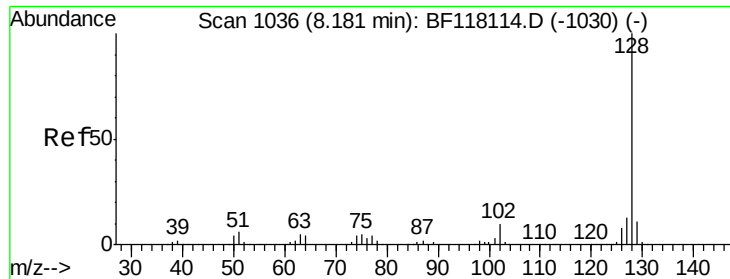


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

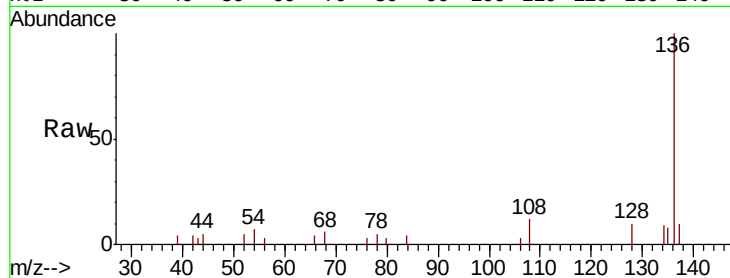




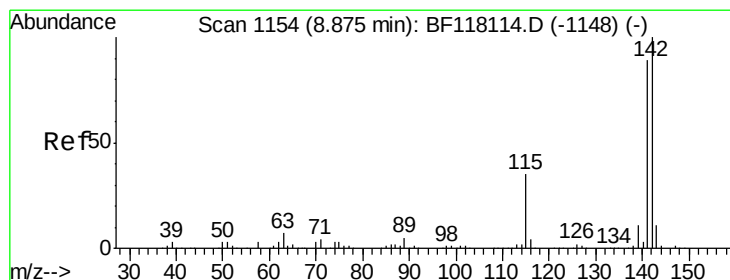
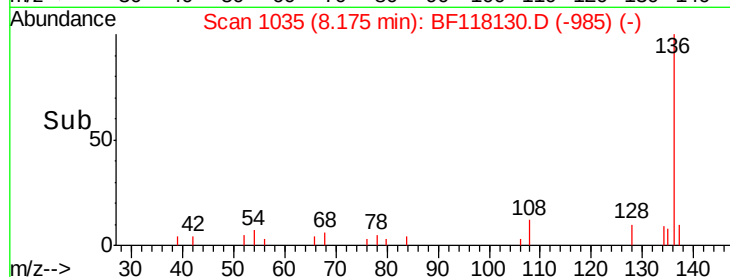
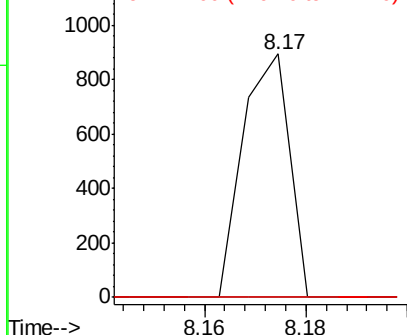
#31
Naphthalene
Concen: 0.022 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 575
Ion Ratio Lower Upper
128 100
129 0.0 9.1 13.7#
127 0.0 10.6 16.0#

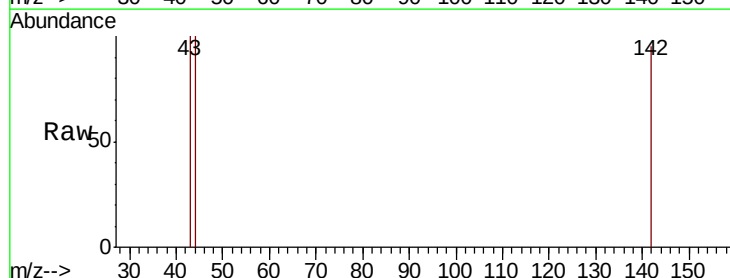


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

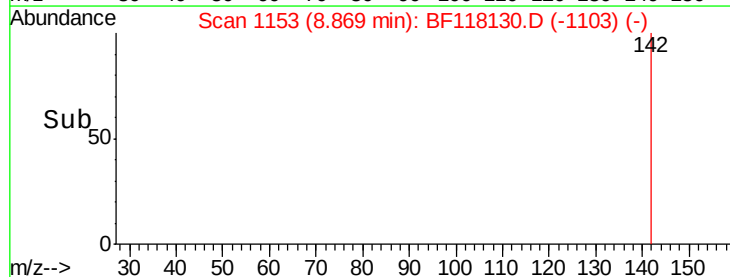
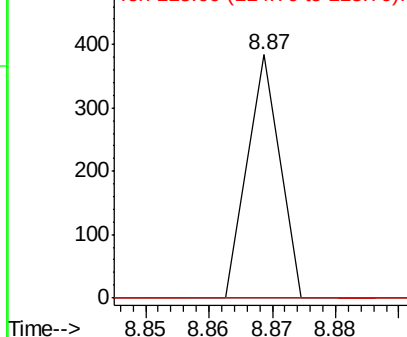


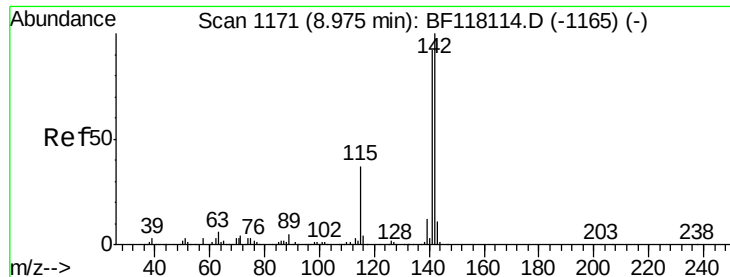
#37
2-Methylnaphthalene
Concen: 0.008 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
141 0.0 71.4 107.0#
115 0.0 28.2 42.4#



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

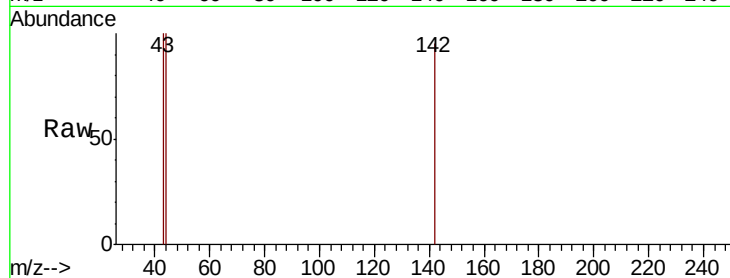




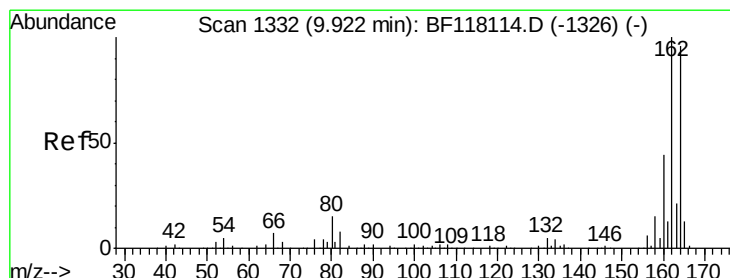
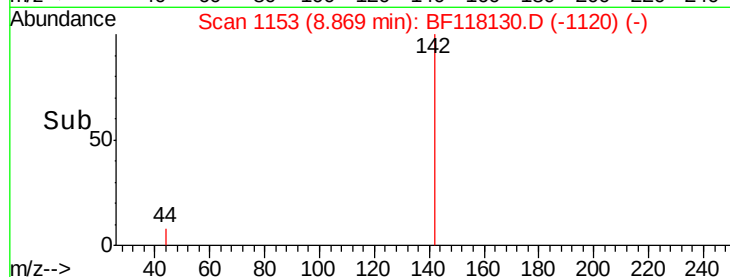
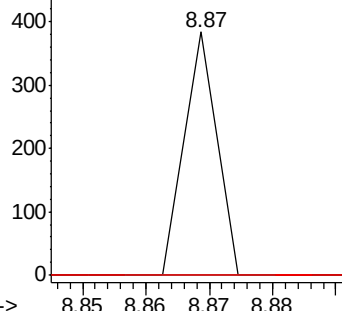
#38
1-Methylnaphthalene
Concen: 0.008 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.11 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
141 0.0 74.0 111.0#
116 0.0 3.2 4.8#

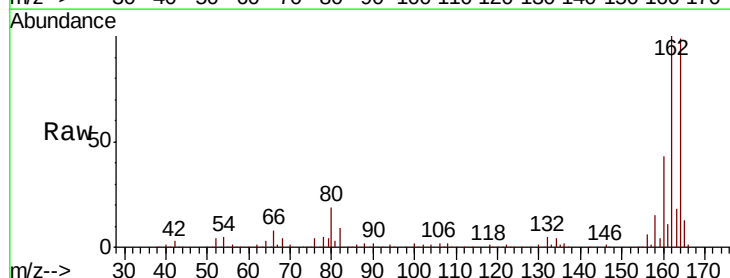


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

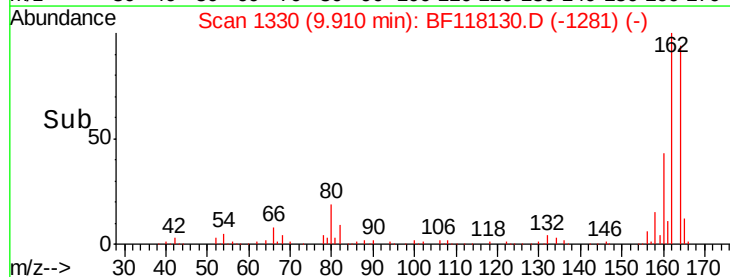
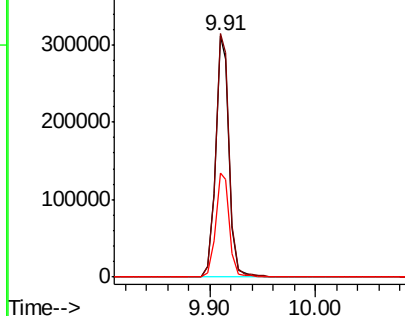


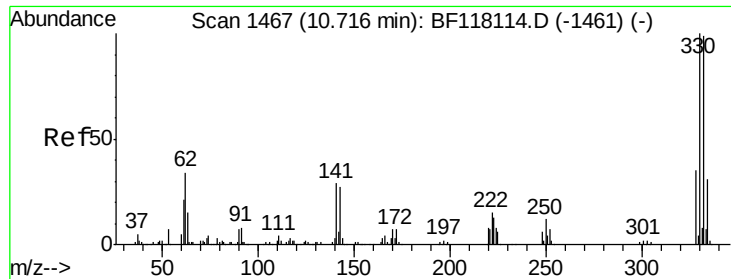
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:164 Resp: 283858
Ion Ratio Lower Upper
164 100
162 101.0 83.4 125.0
160 43.4 36.6 54.8



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

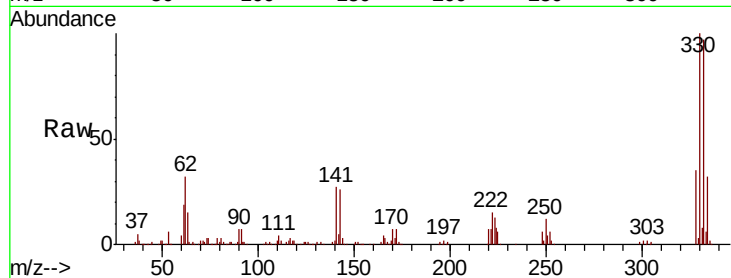




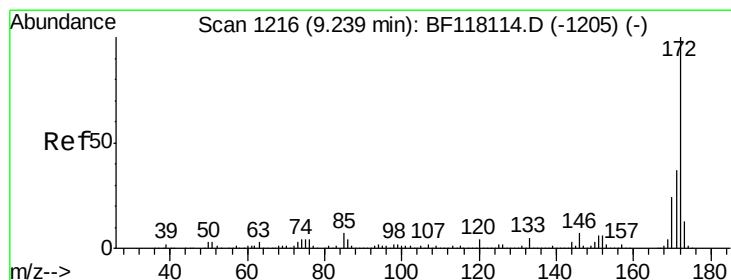
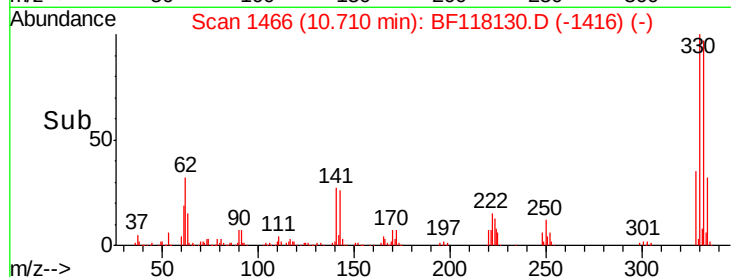
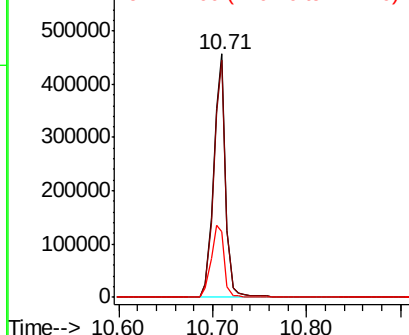
#42
 2,4,6-Tribromophenol
 Concen: 119.734 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 412886
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.1 117.1
 141 33.0 26.9 40.3

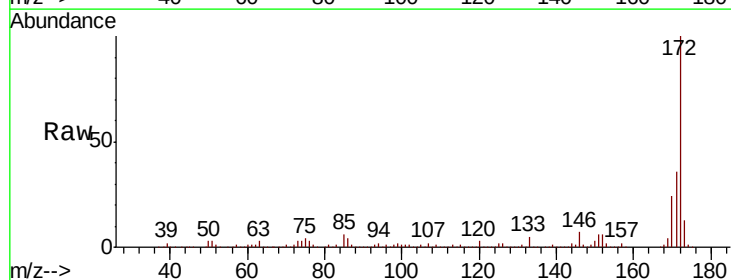


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

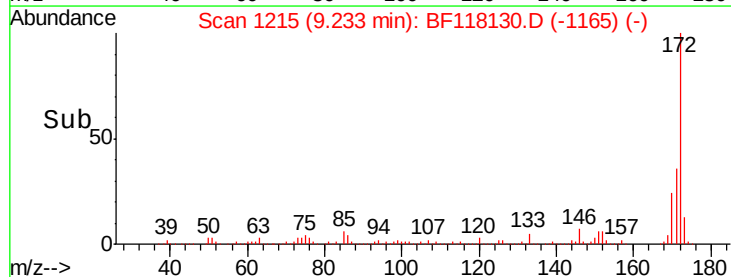
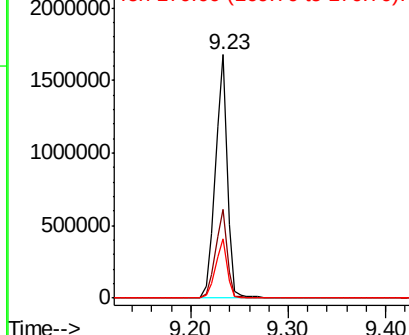


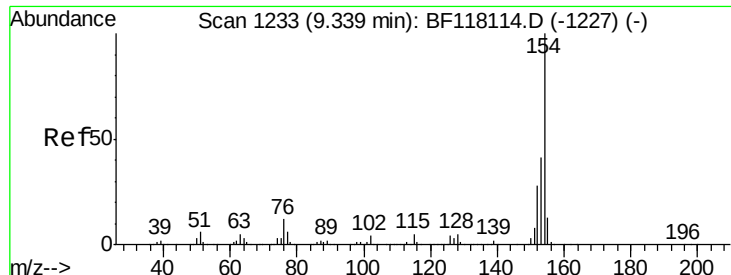
#45
 2-Fluorobiphenyl
 Concen: 76.604 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Tgt Ion:172 Resp: 1429015
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 24.2 19.4 29.2



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

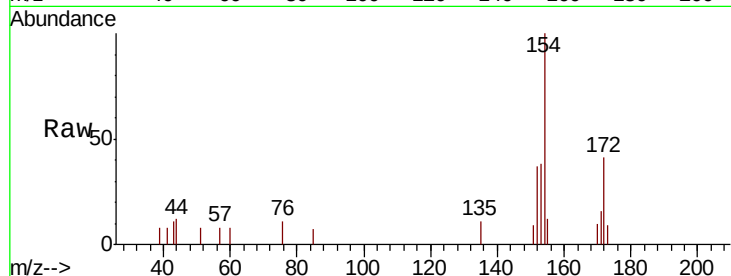




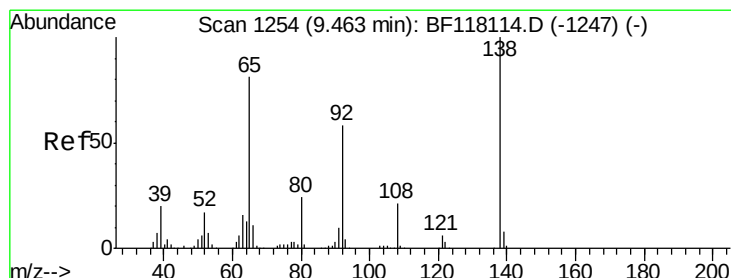
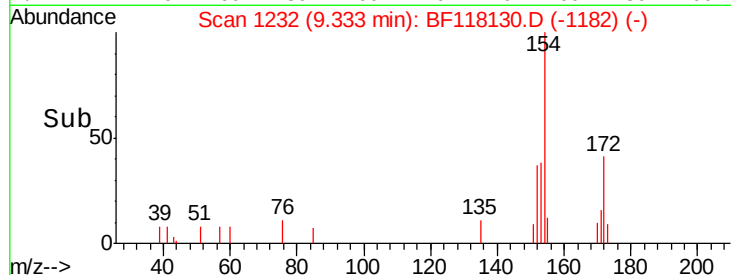
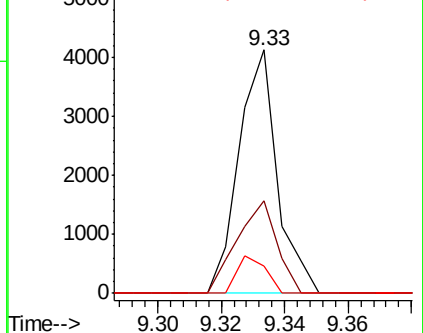
#46
1,1'-Biphenyl
Concen: 0.154 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:154 Resp: 3444
Ion Ratio Lower Upper
154 100
153 38.2 20.7 60.7
76 11.4 0.0 31.9

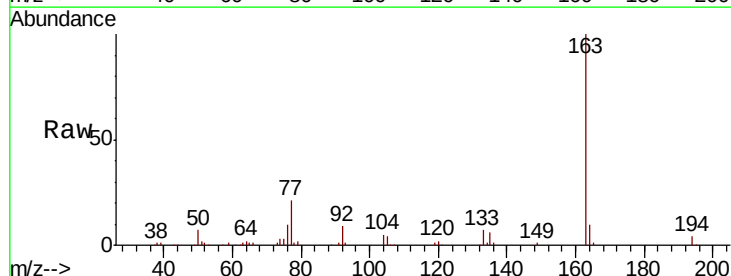


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

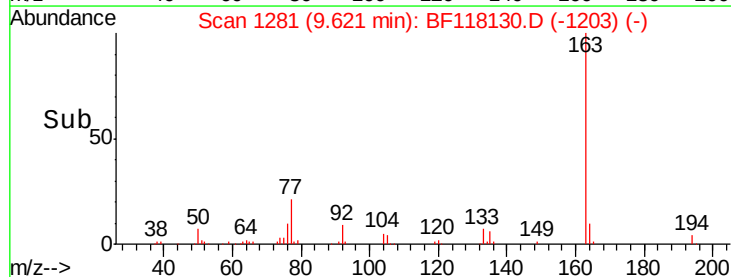
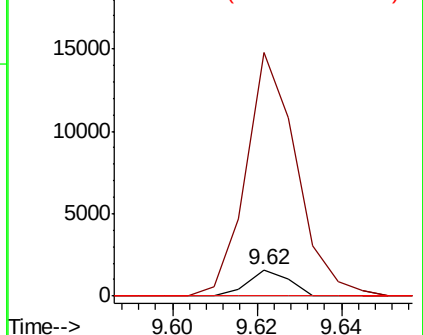


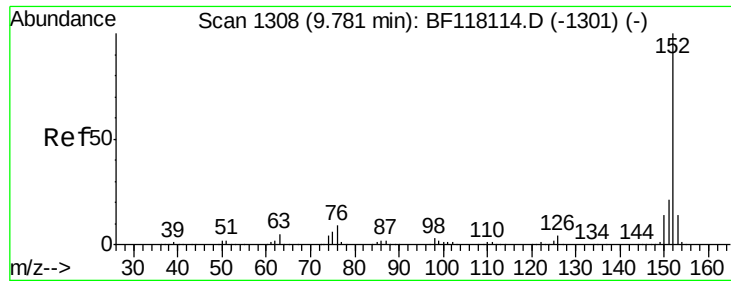
#48
2-Nitroaniline
Concen: 0.211 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.16 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion: 65 Resp: 1084
Ion Ratio Lower Upper
65 100
92 936.5 57.8 86.6#
138 0.0 98.8 148.2#



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: 0.019 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

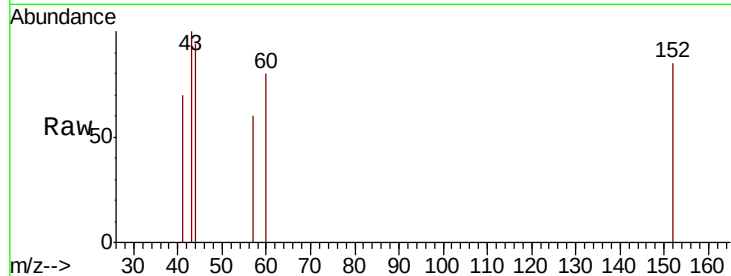
Tot Ion:152 Resp: 495

Ion Ratio Lower Upper

152 100

151 0.0 16.4 24.6#

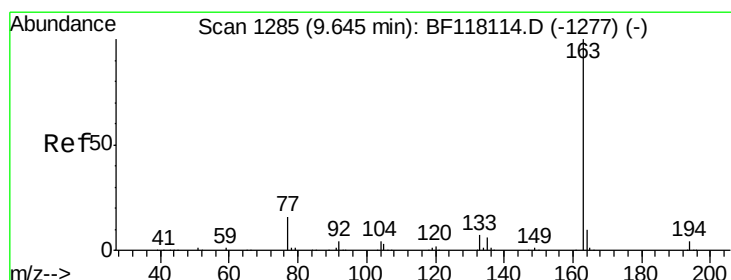
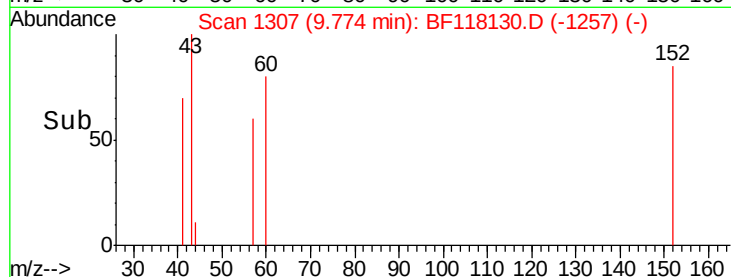
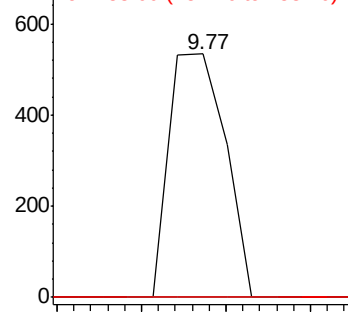
153 0.0 10.8 16.2#



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: 7.191 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

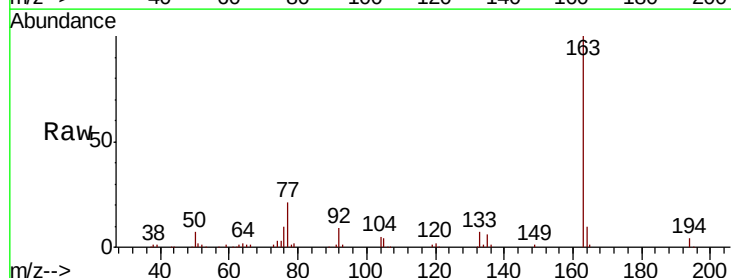
Tgt Ion:163 Resp: 150774

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

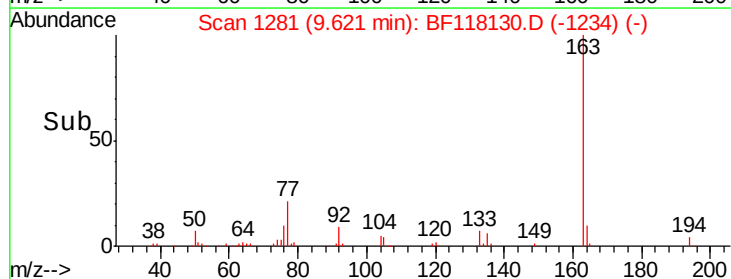
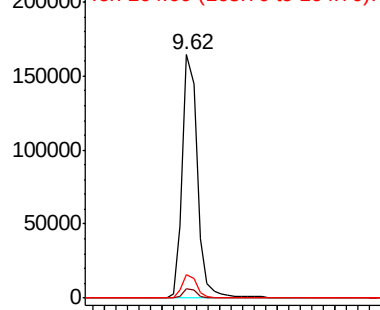
164 9.7 7.7 11.5

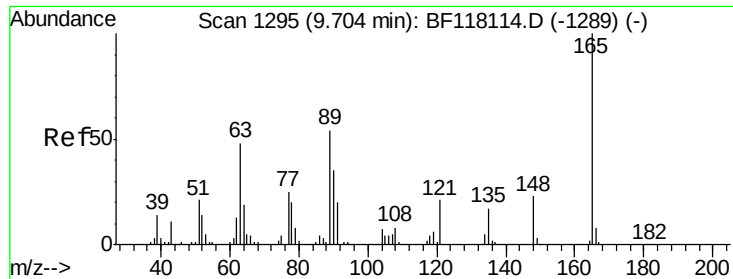


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.302 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.08 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

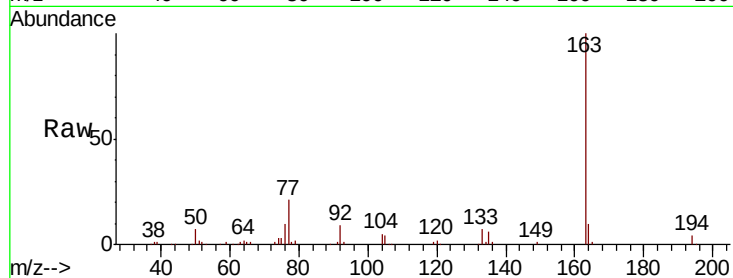
Tot Ion:165 Resp: 1377

Ion Ratio Lower Upper

165 100

63 128.7 41.4 62.0#

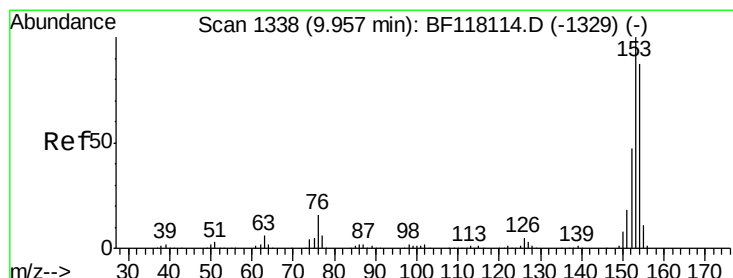
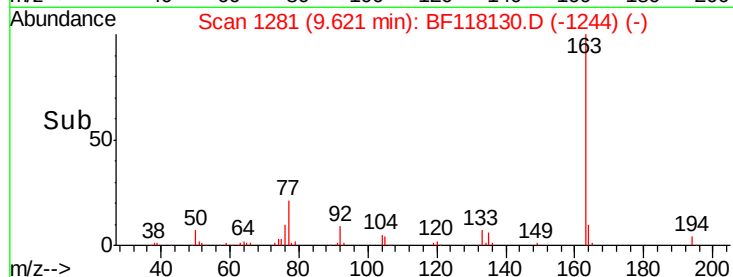
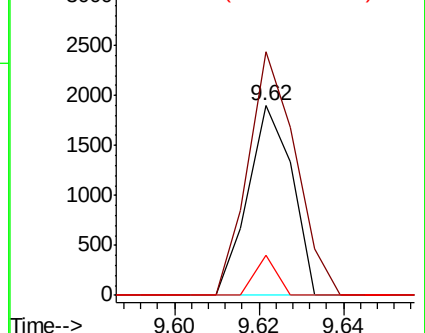
89 21.0 42.9 64.3#



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: 0.057 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

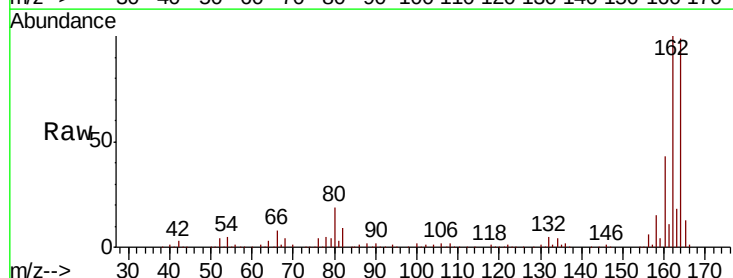
Tgt Ion:154 Resp: 923

Ion Ratio Lower Upper

154 100

153 0.0 91.8 137.6#

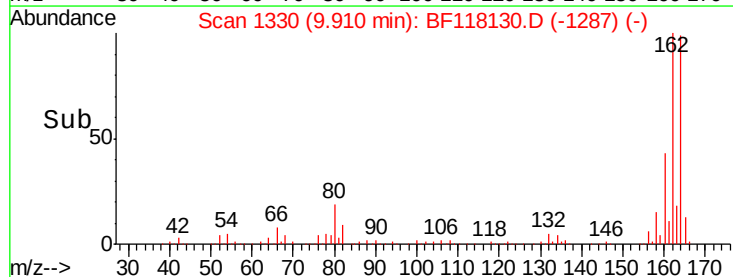
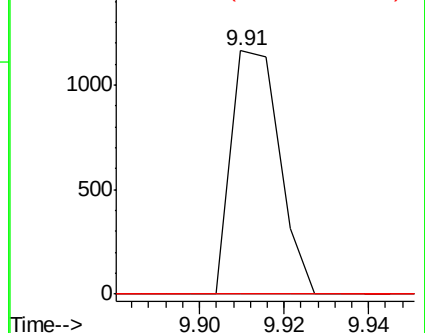
152 0.0 43.3 64.9#

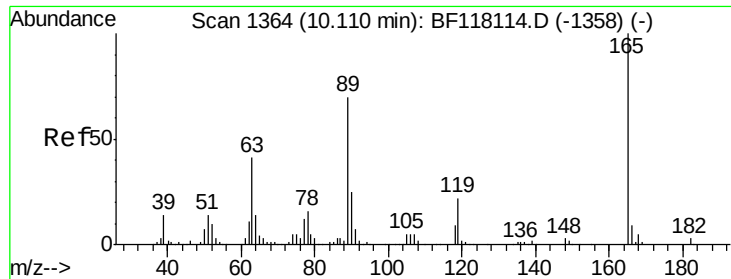


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

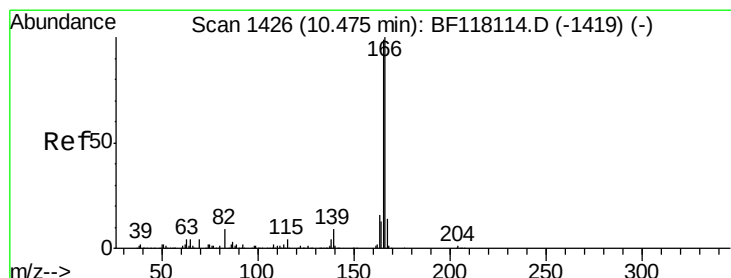
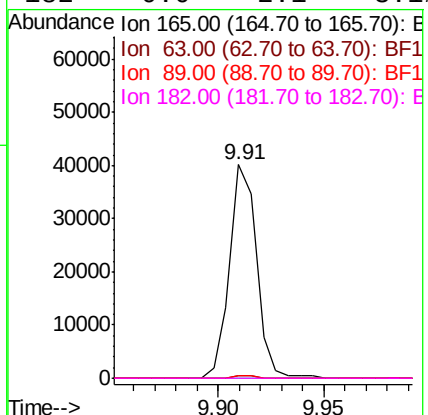
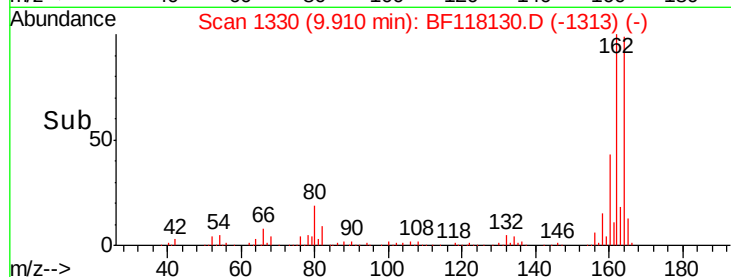
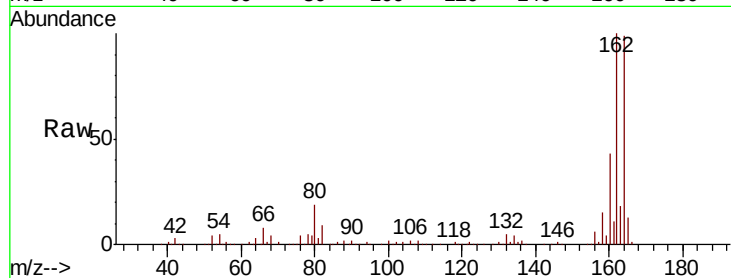




#57
2,4-Dinitrotoluene
Concen: 5.817 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

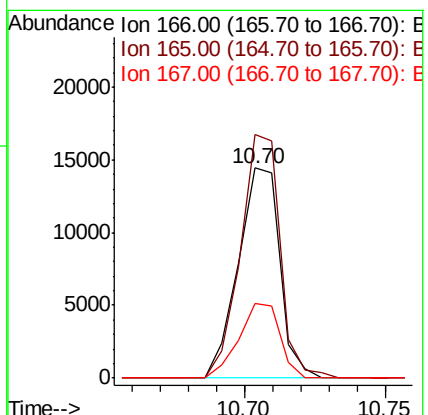
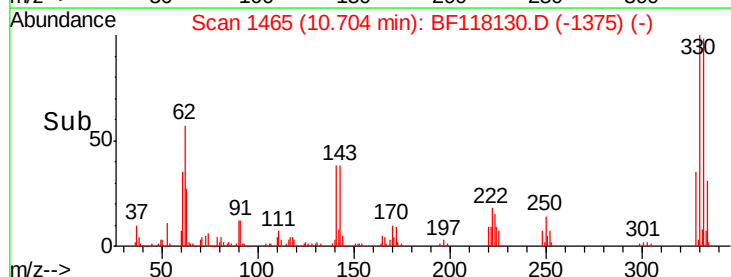
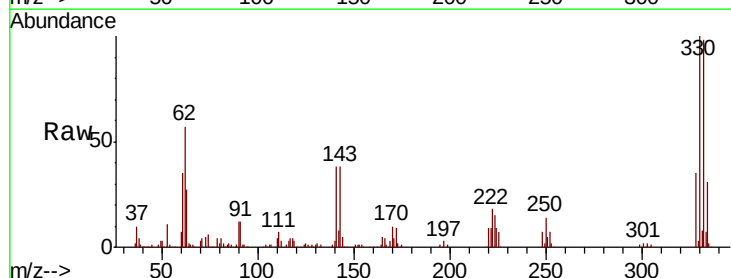
Instrument :
BNA_F
ClientSampleId :

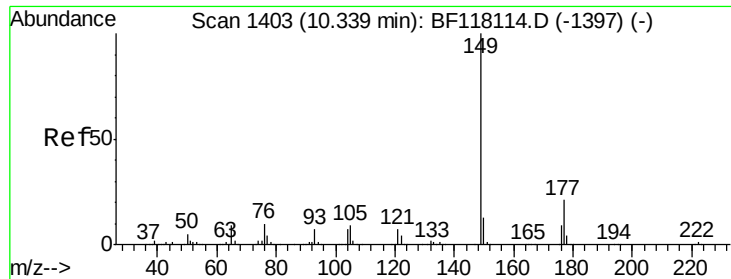
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.6	49.0#
89	1.4	56.1	84.1#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 0.780 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.23 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	116.0	79.0	118.4
167	35.7	10.9	16.3#





#60

Diethylphthalate

Concen: 0.029 ng

RT: 10.33 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampled :

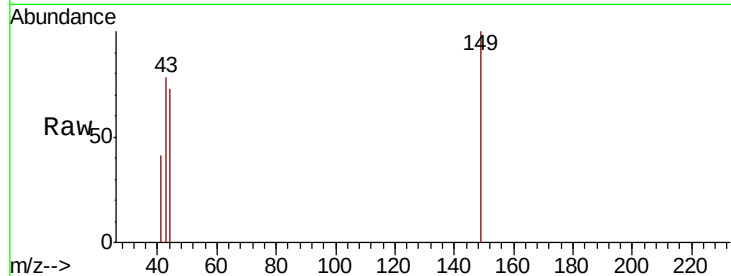
Tot Ion:149 Resp: 589

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.4#

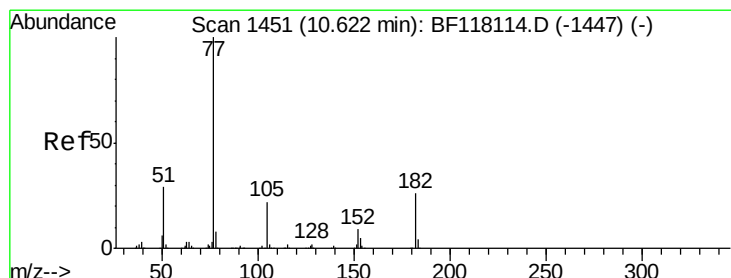
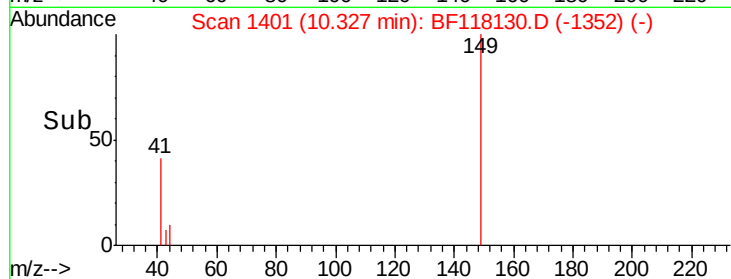
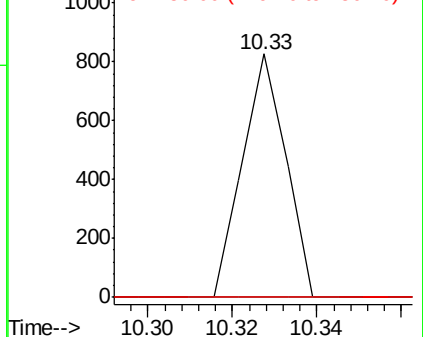
150 0.0 10.1 15.1#



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: 0.089 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.08 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Tgt Ion: 77 Resp: 1576

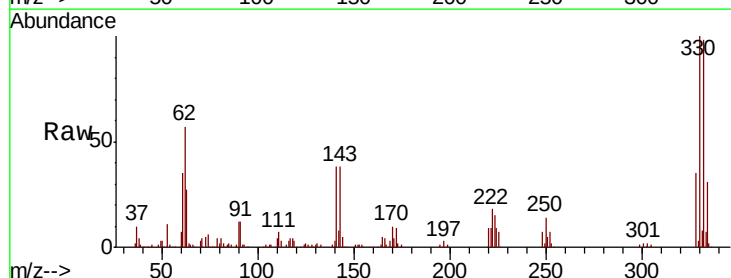
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 94.3 2.2 42.2#

51 89.8 9.6 49.6#

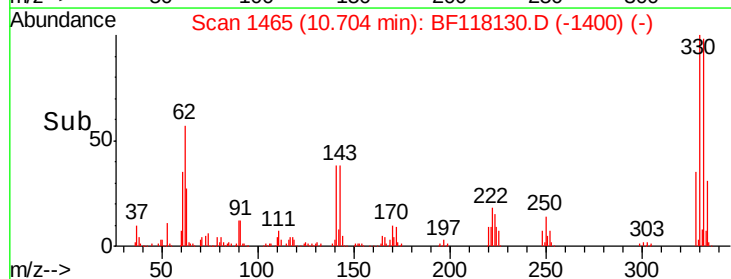
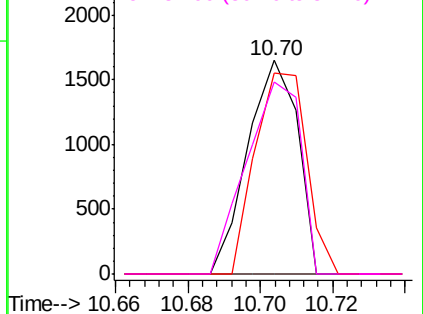


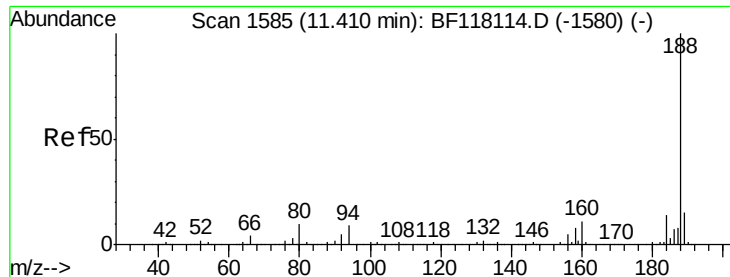
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

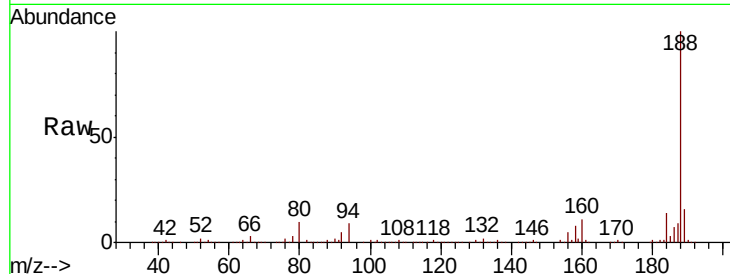




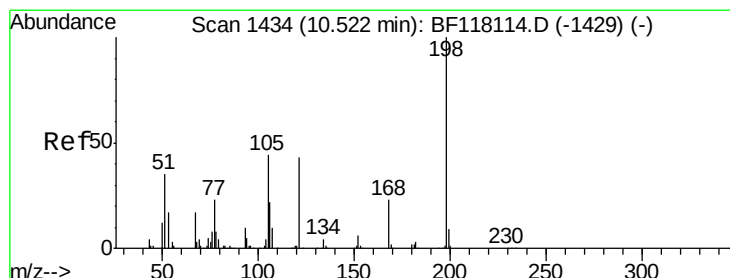
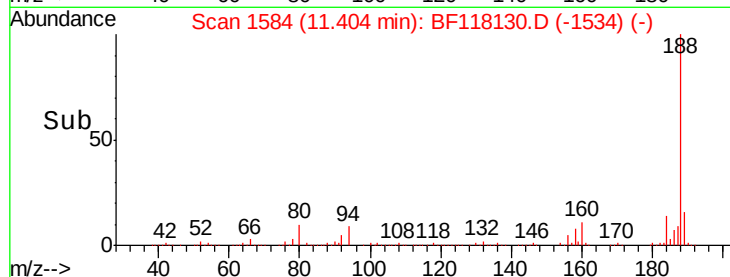
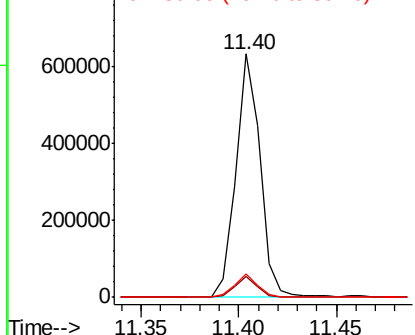
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 545084
Ion Ratio Lower Upper
188 100
94 8.8 7.1 10.7
80 9.7 7.9 11.9

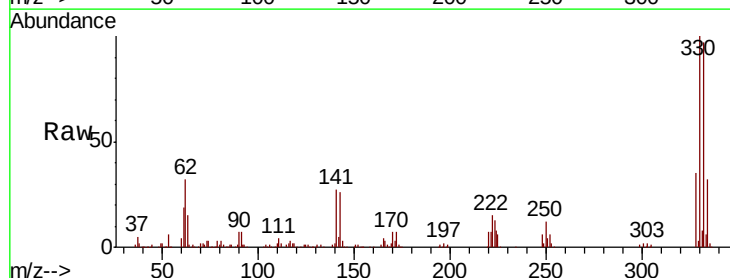


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

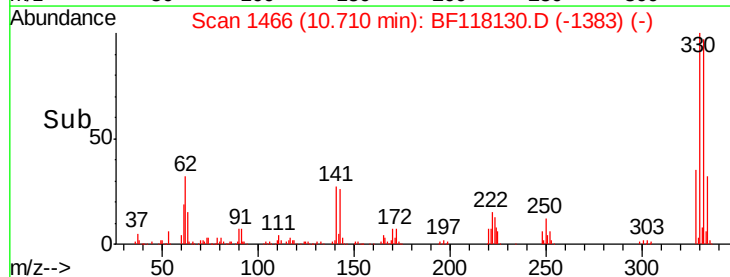
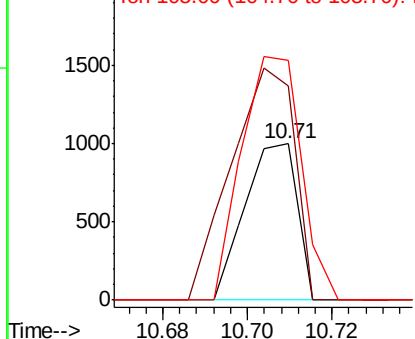


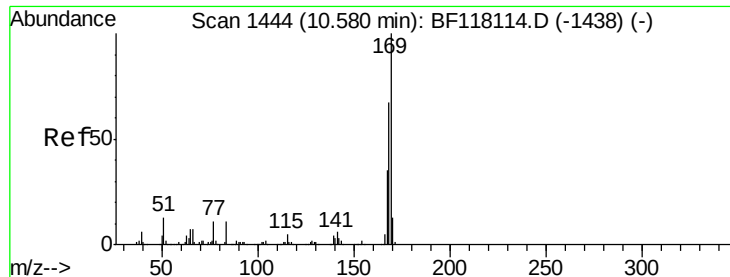
#65
4,6-Dinitro-2-methylphenol
Concen: 0.287 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:198 Resp: 864
Ion Ratio Lower Upper
198 100
51 136.5 22.0 62.0#
105 153.0 25.6 65.6#



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

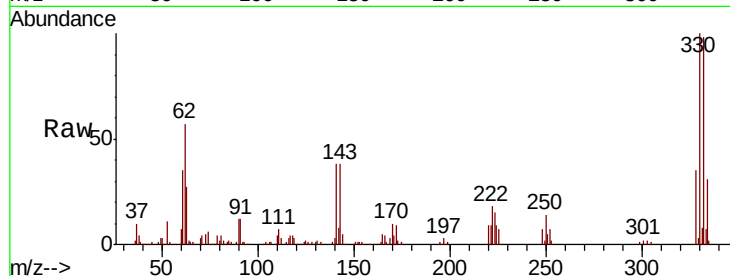




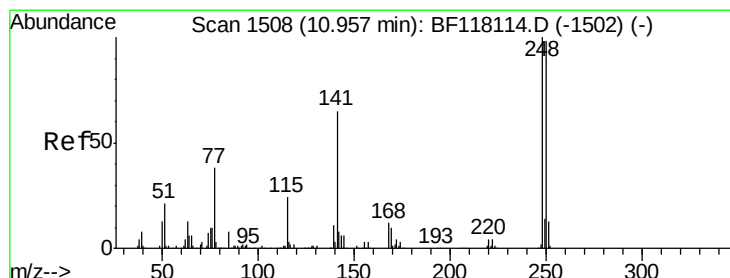
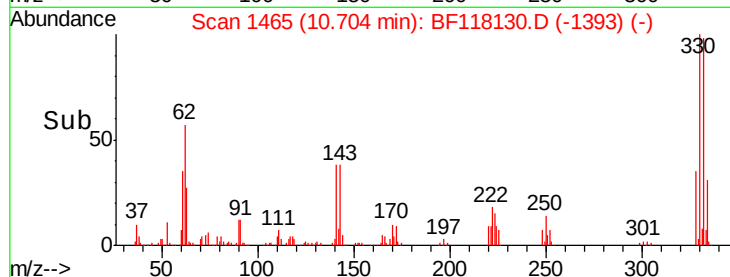
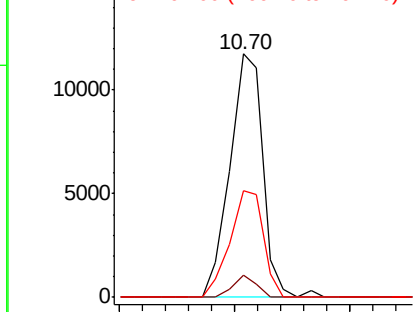
#66
 n-Nitrosodiphenylamine
 Concen: 0.686 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.12 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 11671
 Ion Ratio Lower Upper
 169 100
 168 9.0 53.4 80.2#
 167 43.9 28.4 42.6#

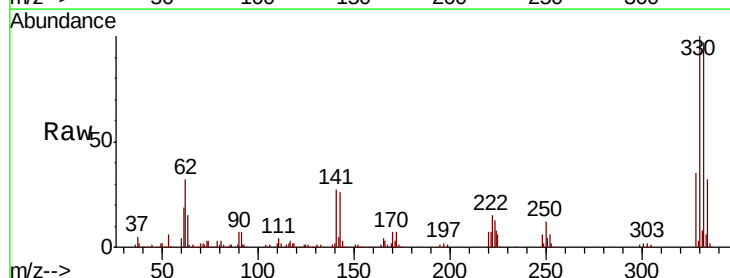


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

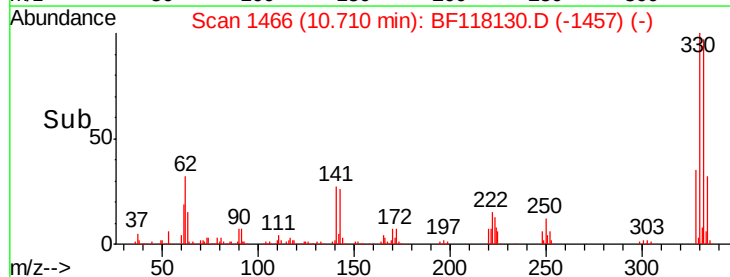
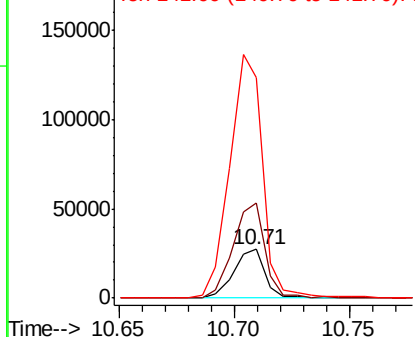


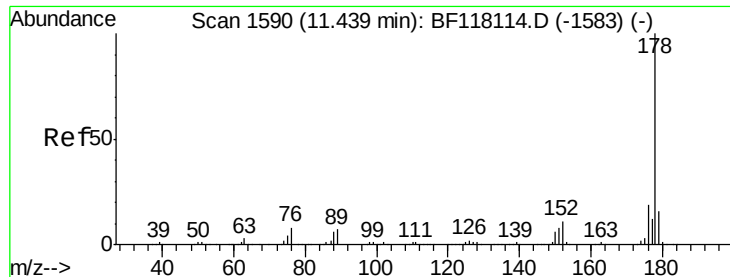
#67
 4-Bromophenyl-phenylether
 Concen: 4.114 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118130.D
 Acq: 7 Dec 2019 15:44

Tgt Ion:248 Resp: 25598
 Ion Ratio Lower Upper
 248 100
 250 196.7 78.3 117.5#
 141 454.6 52.2 78.4#



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: 0.041 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

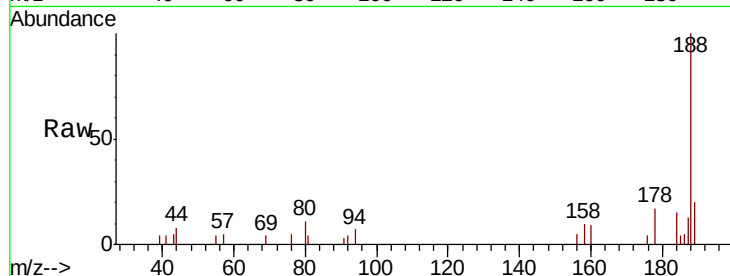
Tot Ion:178 Resp: 1193

Ion Ratio Lower Upper

178 100

176 22.6 15.5 23.3

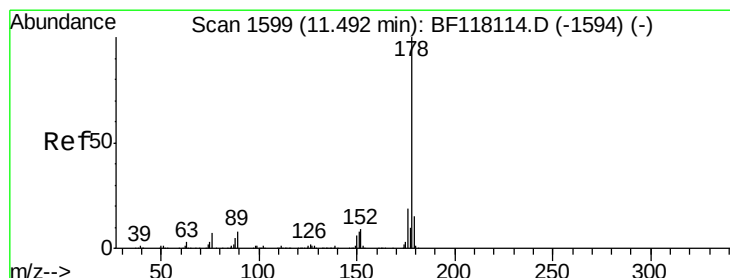
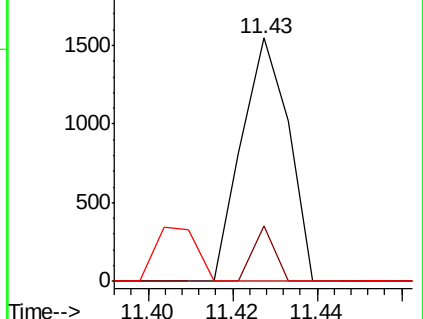
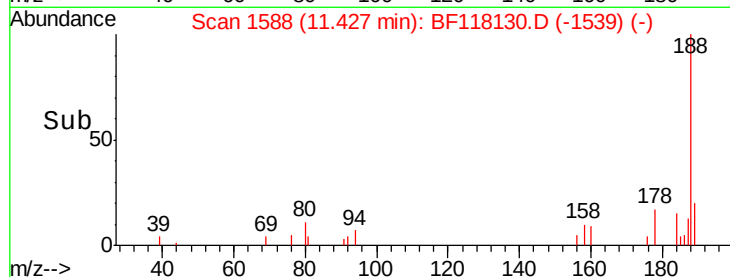
179 0.0 12.6 18.8#



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: 0.038 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

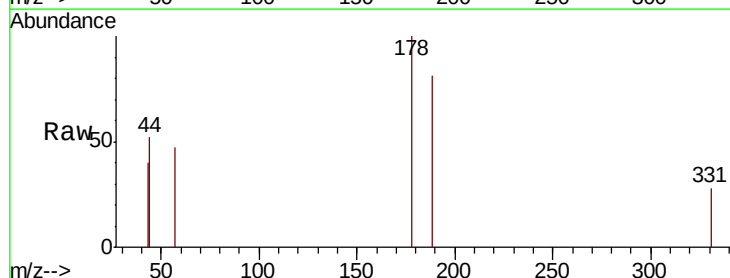
Tgt Ion:178 Resp: 1108

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

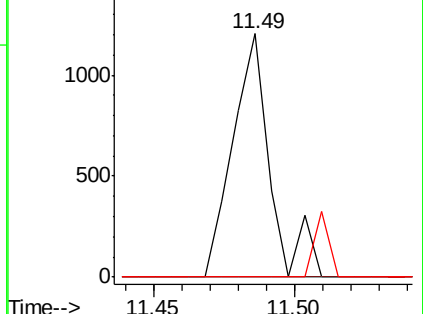
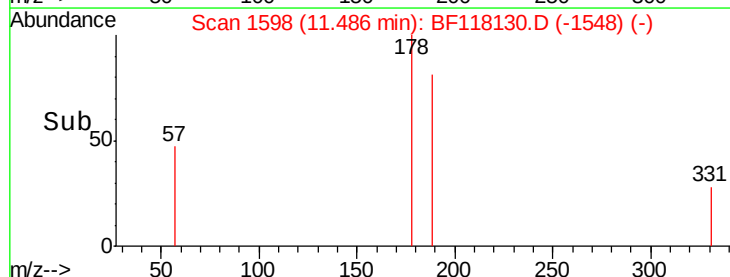
179 0.0 12.2 18.4#

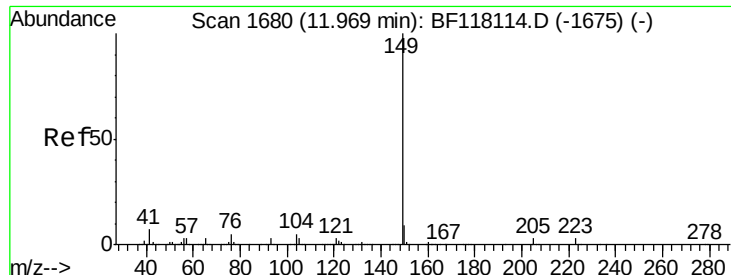


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 0.066 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

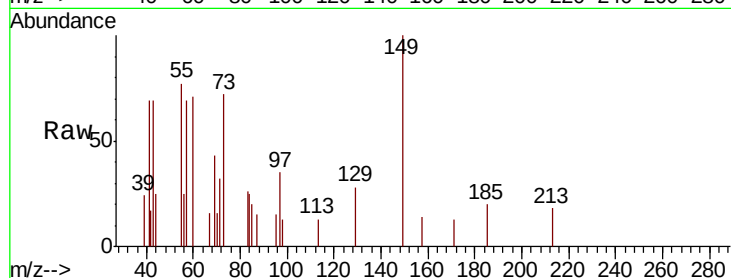
Tot Ion:149 Resp: 2140

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

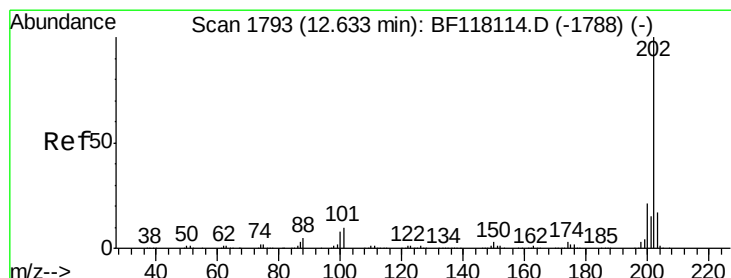
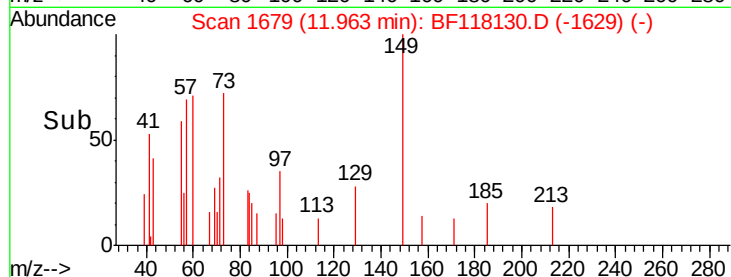
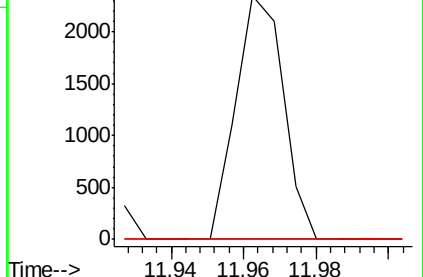
104 0.0 4.3 6.5#



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: 0.084 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

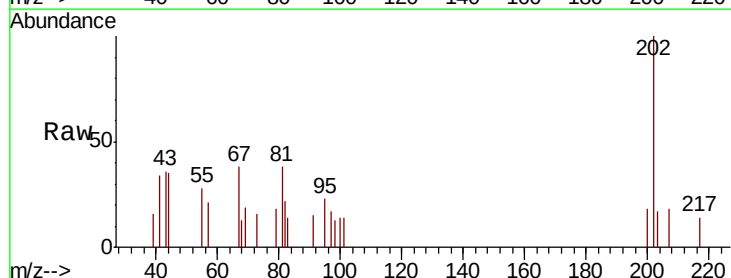
Tgt Ion:202 Resp: 2497

Ion Ratio Lower Upper

202 100

101 13.6 0.0 30.4

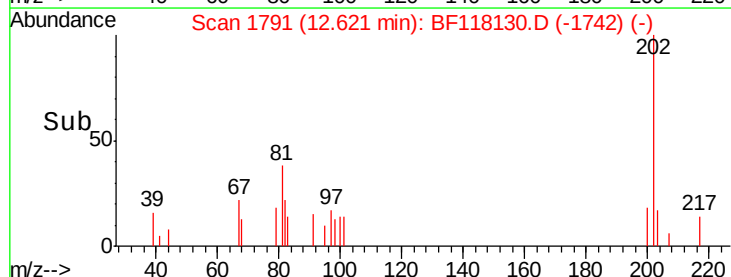
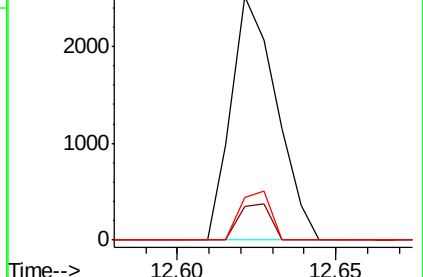
203 17.4 0.0 37.2

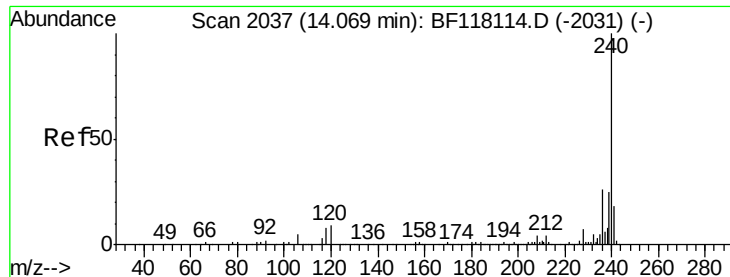


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

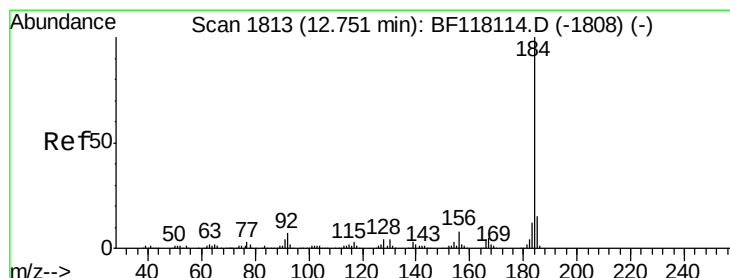
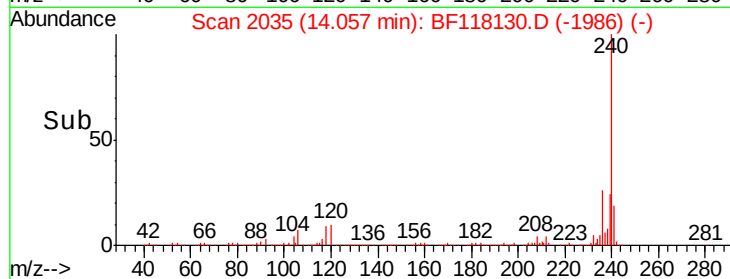
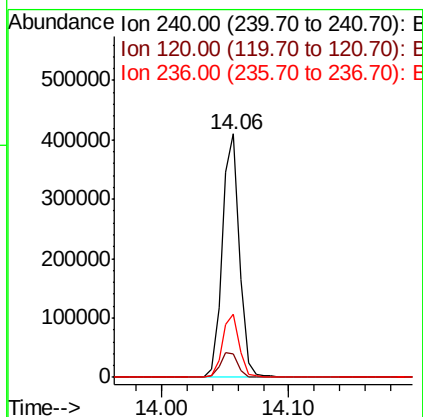
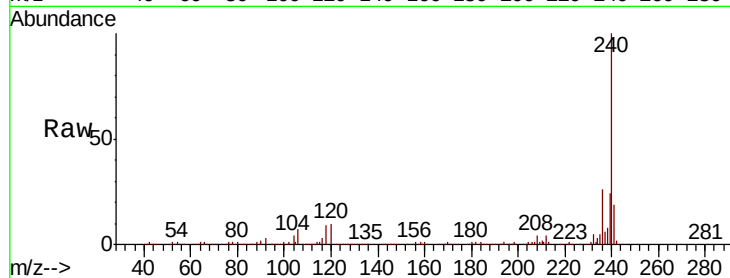




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

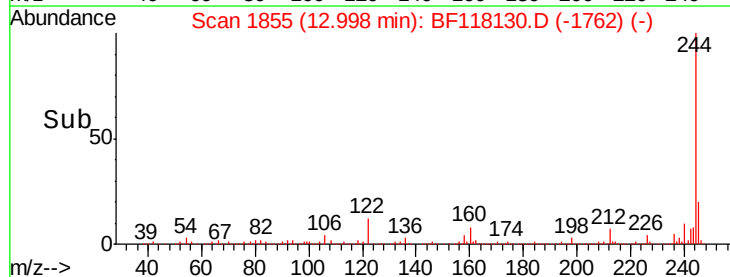
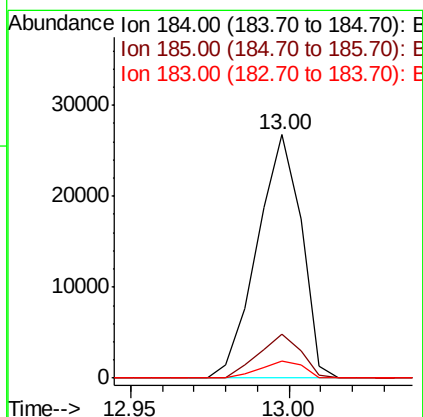
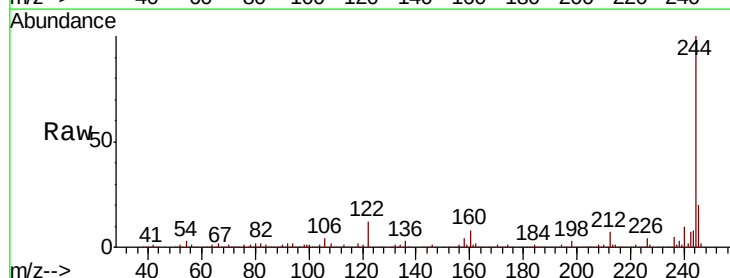
Instrument :
BNA_F
ClientSampled :

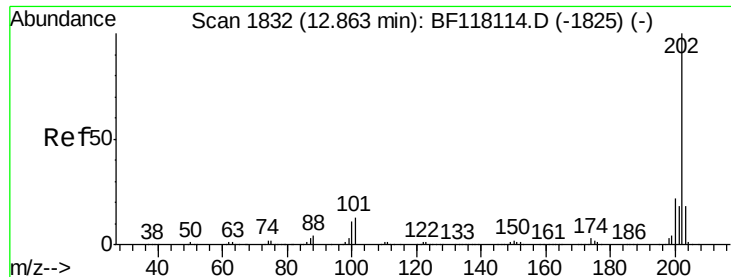
Tot Ion:240 Resp: 385592
Ion Ratio Lower Upper
240 100
120 9.6 7.1 10.7
236 25.8 21.0 31.6



#77
Benzidine
Concen: 2.551 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:184 Resp: 25899
Ion Ratio Lower Upper
184 100
185 18.1 12.3 18.5
183 6.9 9.9 14.9#

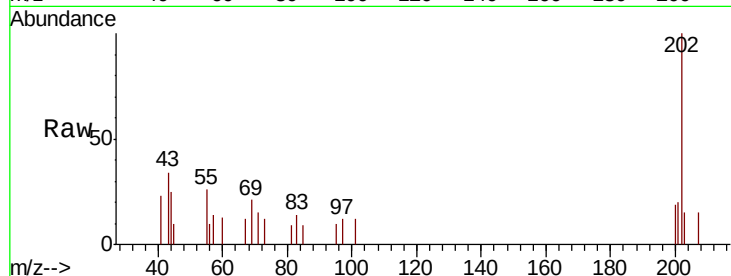




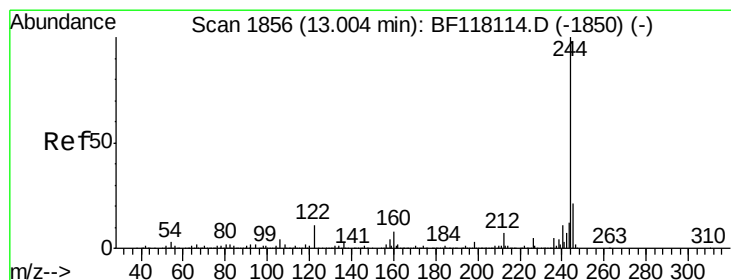
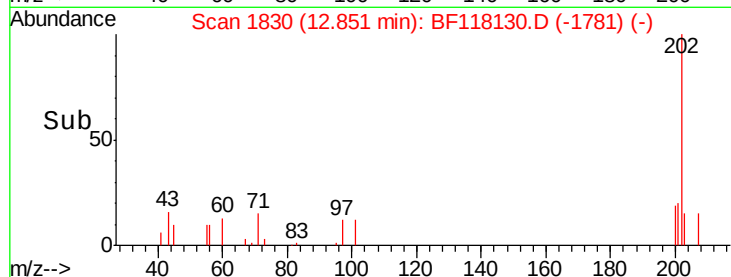
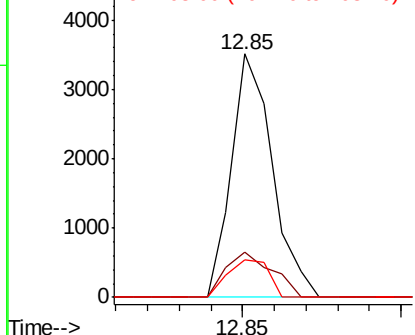
#78
Pvrene
Concen: 0.103 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.7	17.5	26.3
203	15.2	14.6	21.8

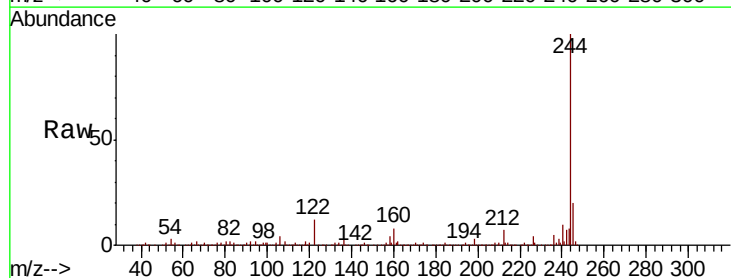


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

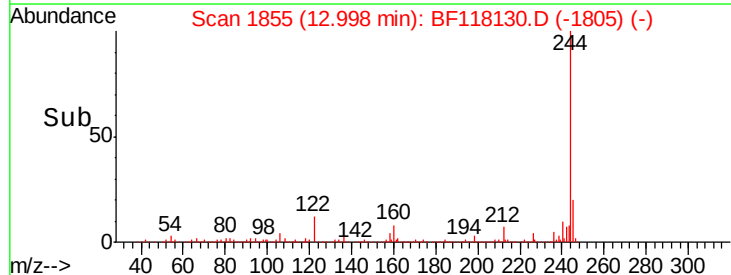
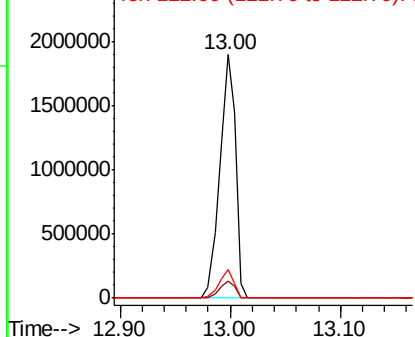


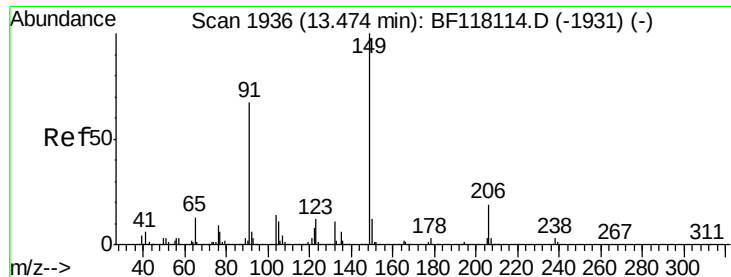
#79
Terphenyl-d14
Concen: 83.930 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.9	9.0	13.6



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

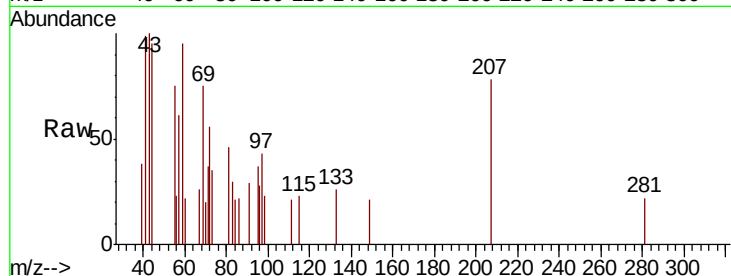




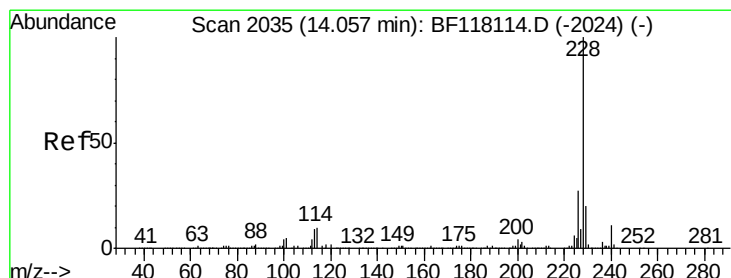
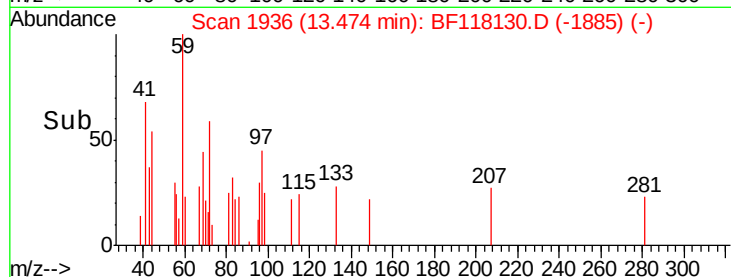
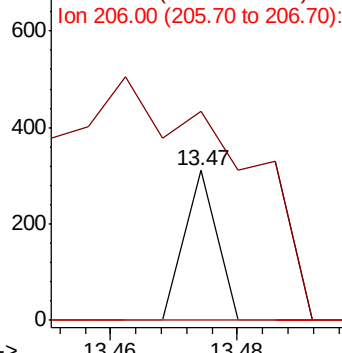
#80
Butylbenzylphthalate
Concen: 0.008 ng
RT: 13.47 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 110
Ion Ratio Lower Upper
149 100
91 139.2 53.9 80.9#
206 0.0 15.2 22.8#

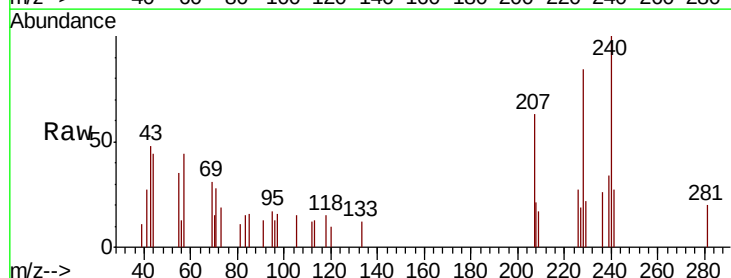


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

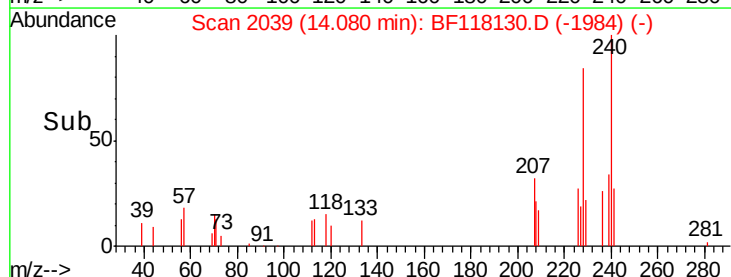
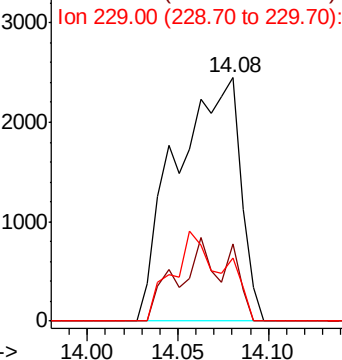


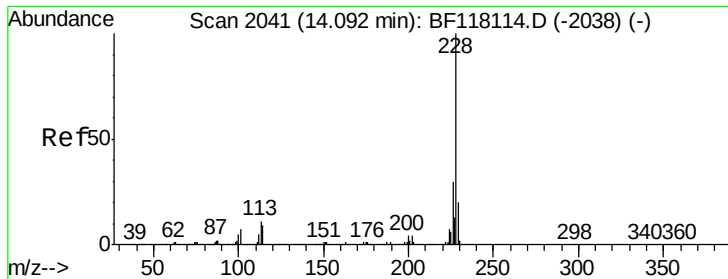
#81
Benzo(a)anthracene
Concen: 0.226 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.02 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:228 Resp: 6036
Ion Ratio Lower Upper
228 100
226 32.0 21.8 32.8
229 25.8 15.8 23.8#



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: 0.237 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampleId :

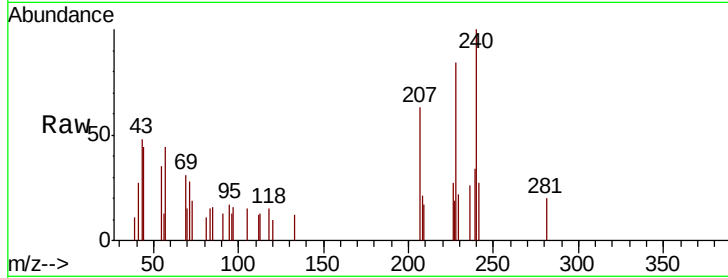
Tot Ion:228 Resp: 6036

Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.8

229 25.8 15.7 23.5#

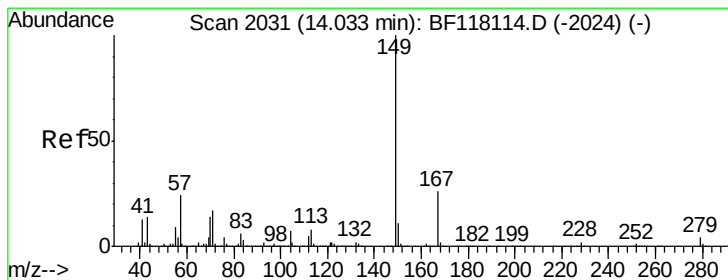
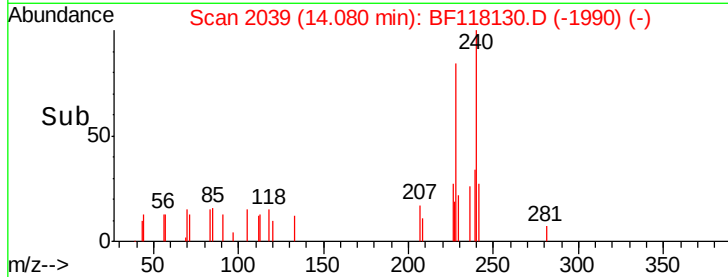
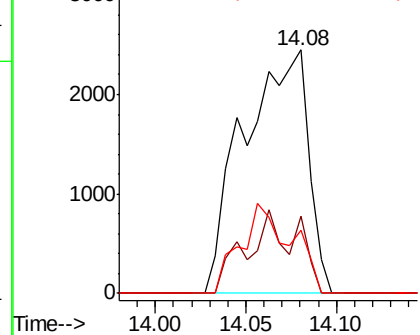


Abundance

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: 1.052 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

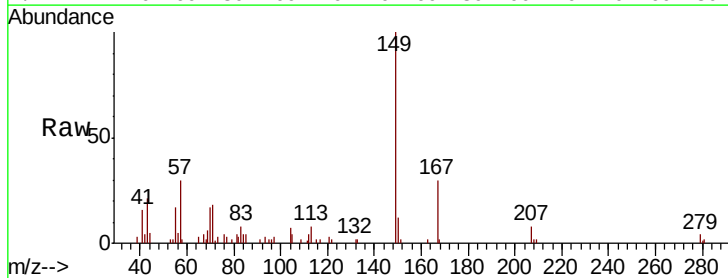
Tgt Ion:149 Resp: 19085

Ion Ratio Lower Upper

149 100

167 29.9 20.8 31.2

279 4.1 2.9 4.3

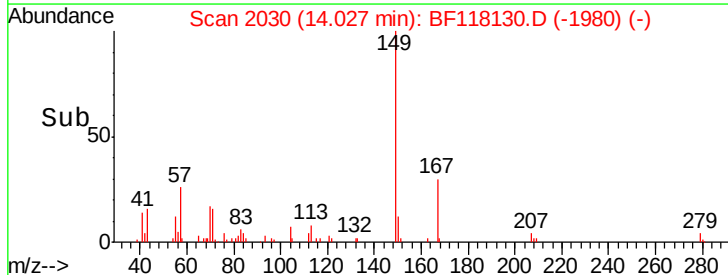
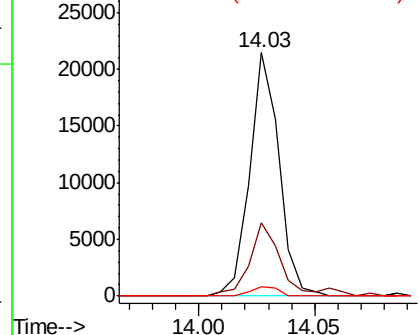


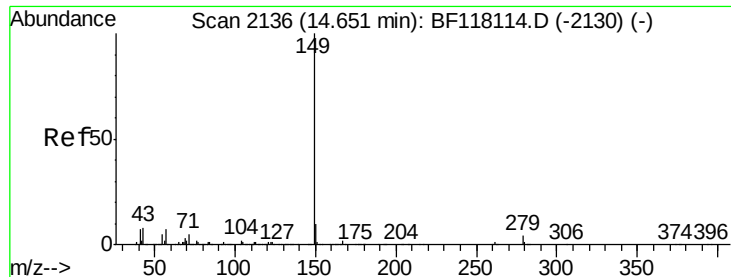
Abundance

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: 0.022 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

Instrument :

BNA_F

ClientSampled :

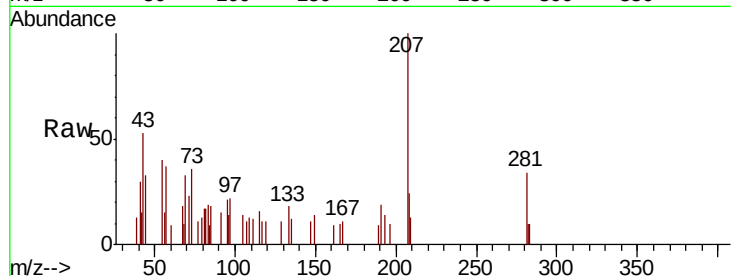
Tot Ion:149 Resp: 596

Ion Ratio Lower Upper

149 100

167 21.6 1.3 1.9#

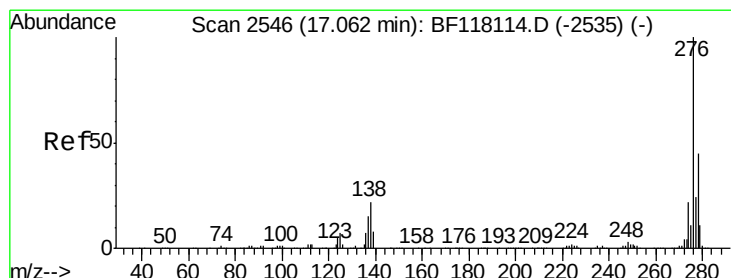
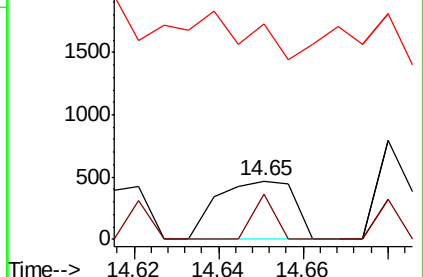
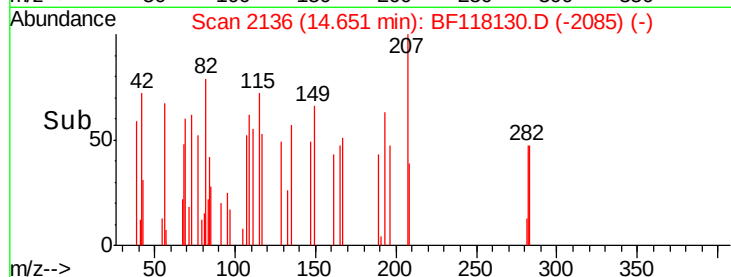
43 0.0 6.5 9.7#



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: 0.067 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.01 min

Lab File: BF118130.D

Acq: 7 Dec 2019 15:44

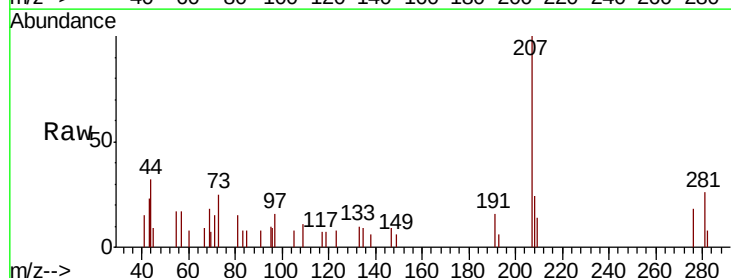
Tgt Ion:276 Resp: 1439

Ion Ratio Lower Upper

276 100

138 15.8 18.9 28.3#

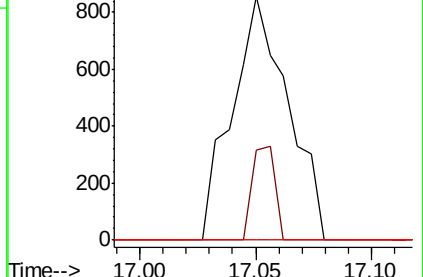
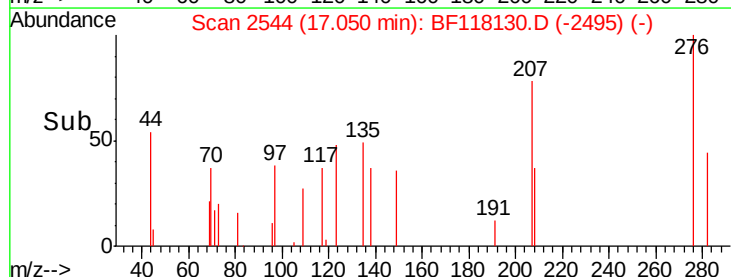
277 0.0 20.4 30.6#

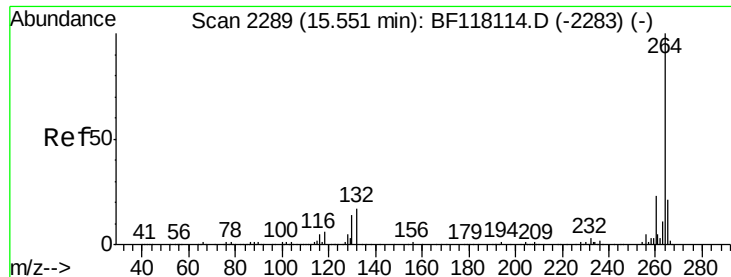


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

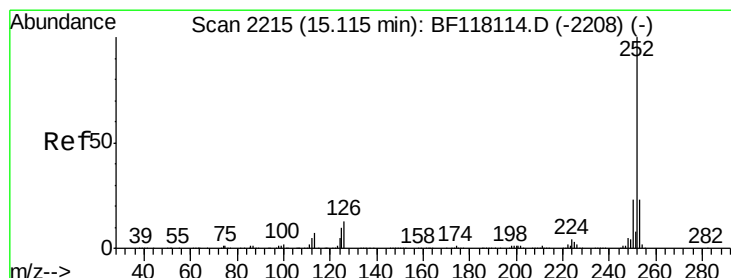
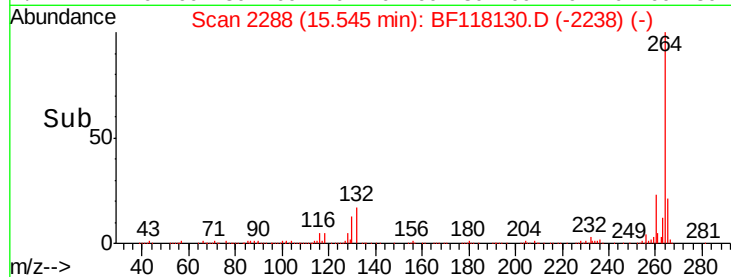
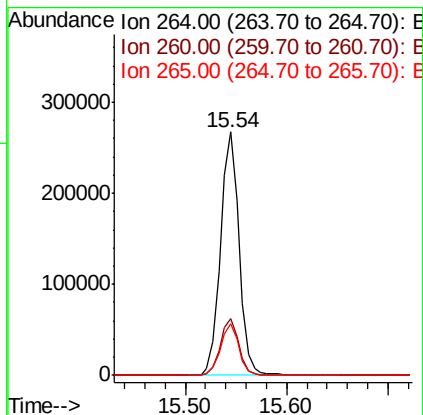
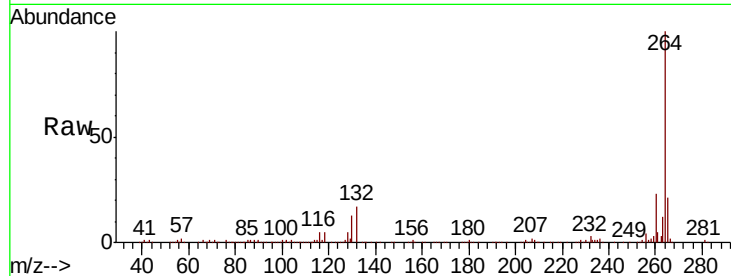




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

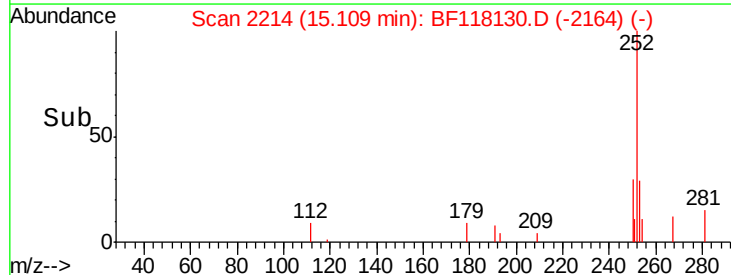
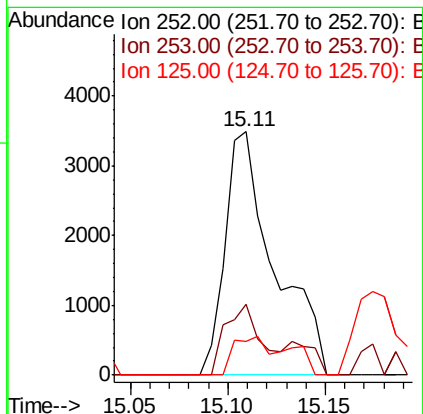
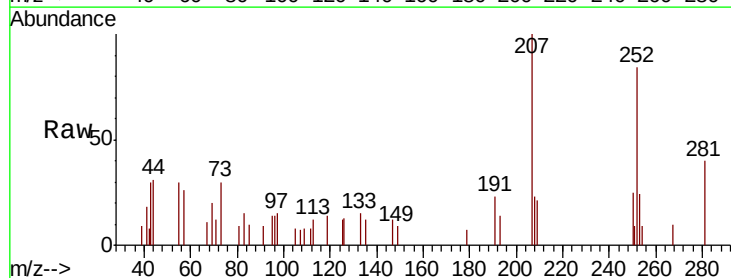
Instrument :
BNA_F
ClientSampleId :

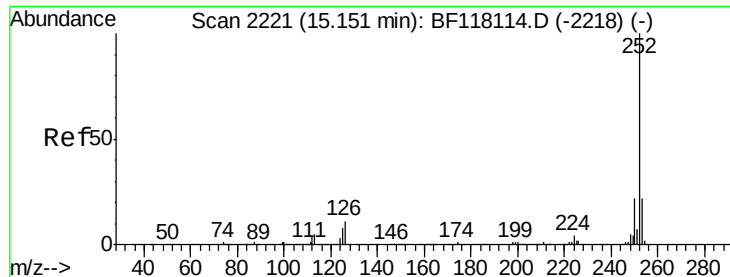
Tot Ion:264 Resp: 340102
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.0 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 0.271 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:252 Resp: 6098
Ion Ratio Lower Upper
252 100
253 28.9 18.2 27.4#
125 13.7 8.3 12.5#

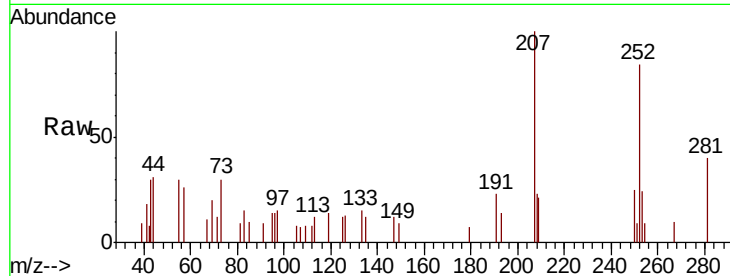




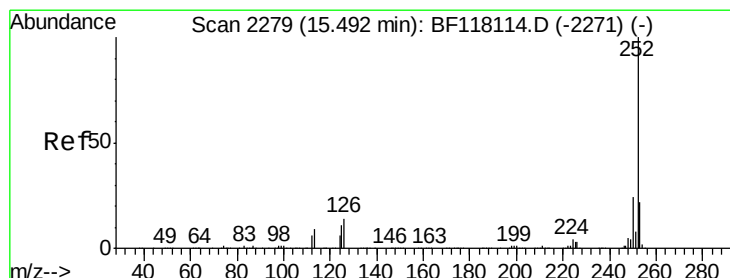
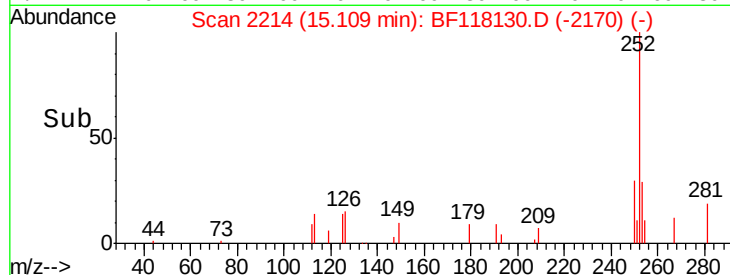
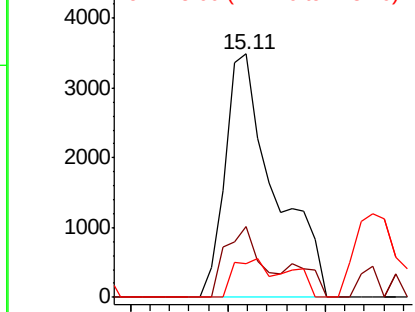
#89
Benzo(k)fluoranthene
Concen: 0.282 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 6098
Ion Ratio Lower Upper
252 100
253 28.9 17.6 26.4#
125 13.7 6.7 10.1#

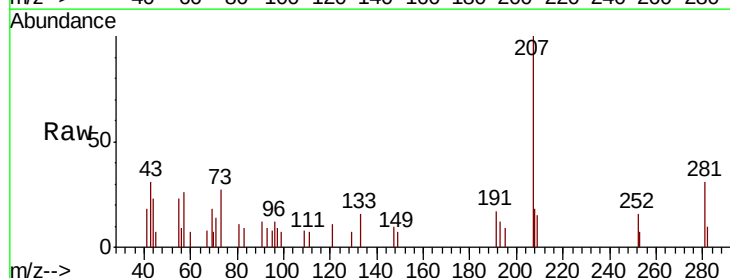


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

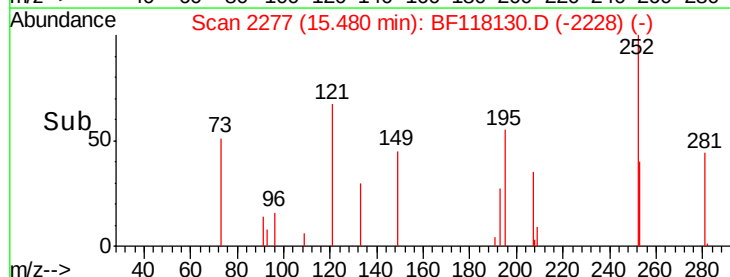
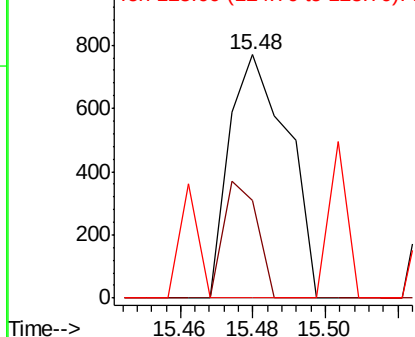


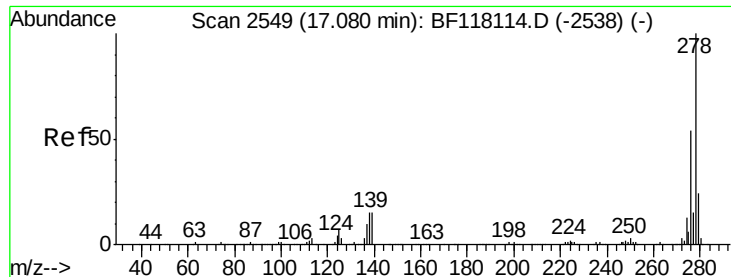
#90
Benzo(a)pyrene
Concen: 0.043 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:252 Resp: 860
Ion Ratio Lower Upper
252 100
253 40.4 17.5 26.3#
125 0.0 9.1 13.7#



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

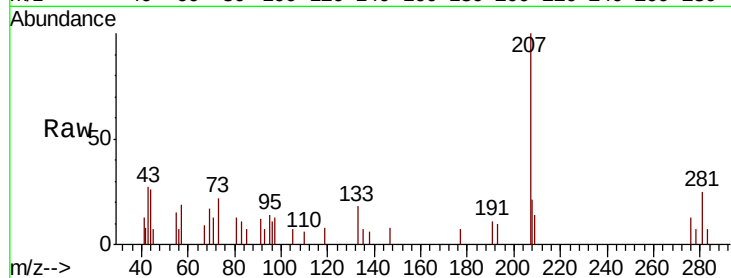




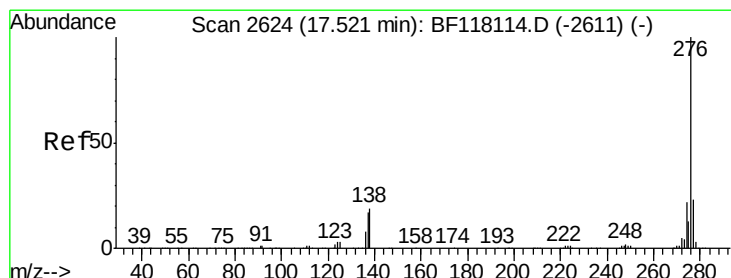
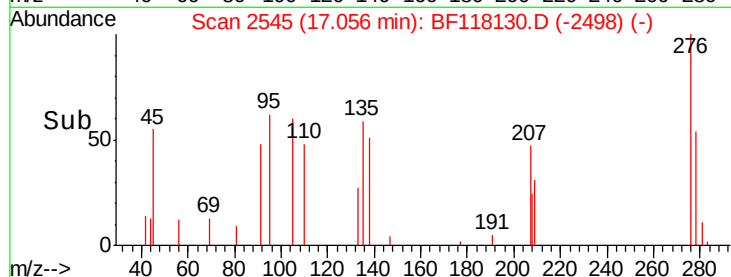
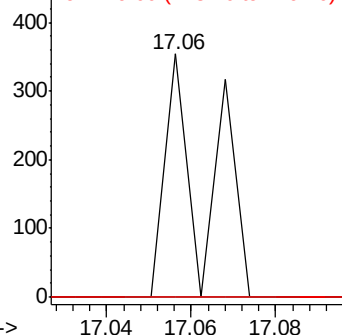
#91
Dibenzo(a,h)anthracene
Concen: 0.014 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 237
Ion Ratio Lower Upper
278 100
139 0.0 11.7 17.5#
279 0.0 19.0 28.4#

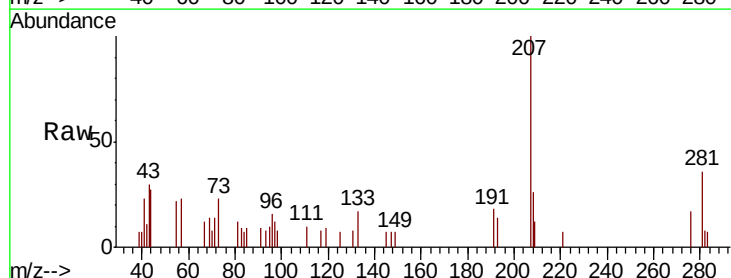


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF118130.D
Acq: 7 Dec 2019 15:44

Tgt Ion:276 Resp: 1336
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.4#
138 0.0 15.5 23.3#



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

