

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118127.D
 Acq On : 7 Dec 2019 14:21
 Operator : JU
 Sample : K6177-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 05:42:51 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	121484	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	477975	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	255963	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	500255	20.00	ng	0.00
76) Chrysene-d12	14.06	240	361873	20.00	ng	-0.01
87) Perylene-d12	15.54	264	324026	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	711672	102.60	ng	0.00
7) Phenol-d6	6.49	99	902538	107.58	ng	0.00
23) Nitrobenzene-d5	7.43	82	531509	62.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	296603	95.39	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1111454	66.07	ng	0.00
79) Terphenyl-d14	13.00	244	1425557	67.74	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.50	93	134	0.012	ng	# 1
8) 2-Chlorophenol	6.65	128	121	0.015	ng	# 7
9) Benzaldehyde	6.49	77	1617	Below Cal		# 1
10) Phenol	6.50	94	14139	1.478	ng	# 85
11) bis(2-Chloroethyl)ether	6.63	93	858	0.124	ng	# 1
12) 1,3-Dichlorobenzene	6.88	146	594	0.065	ng	# 74
13) 1,4-Dichlorobenzene	6.88	146	594	0.065	ng	# 88
14) 1,2-Dichlorobenzene	6.88	146	594	0.069	ng	# 87
15) Benzyl Alcohol	7.02	79	9404	1.436	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	7.15	45	116	0.014	ng	# 63
19) n-Nitroso-di-n-propylamine	7.43	70	71461	14.018	ng	# 77
22) Acetophenone	7.27	105	244	0.021	ng	# 49
24) Nitrobenzene	7.43	77	1682	0.202	ng	# 38
25) Isophorone	7.43	82	527322	36.612	ng	# 62
27) 2,4-Dimethylphenol	7.90	122	306	0.051	ng	# 3
28) bis(2-Chloroethoxy)methane	8.16	93	128	0.014	ng	# 11
31) Naphthalene	8.17	128	4126	0.172	ng	# 89
32) Benzoic acid	7.92	122	112	0.021	ng	# 58
33) 4-Chloroaniline	8.17	127	501	0.048	ng	# 58
37) 2-Methylnaphthalene	8.87	142	480	0.030	ng	# 76
38) 1-Methylnaphthalene	8.97	142	150	0.010	ng	# 88
46) 1,1'-Biphenyl	9.33	154	2336	0.116	ng	# 99
47) 2-Chloronaphthalene	9.63	162	168	0.010	ng	# 1
48) 2-Nitroaniline	9.63	65	926	0.200	ng	# 1
50) Dimethylphthalate	9.63	163	101069	5.346	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	33414	8.128	ng	# 28
52) Acenaphthene	9.92	154	847	0.058	ng	# 4
55) Dibenzofuran	10.12	168	261	0.012	ng	# 42
57) 2,4-Dinitrotoluene	9.92	165	33414	6.089	ng	# 26
58) Fluorene	10.70	166	10585	0.622	ng	# 91
60) Diethylphthalate	10.33	149	248	0.013	ng	# 60
63) Azobenzene	10.70	77	1314	0.083	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.70	198	415	0.150	ng	# 1
66) n-Nitrosodiphenylamine	10.70	169	8285	0.530	ng	# 46

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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)	

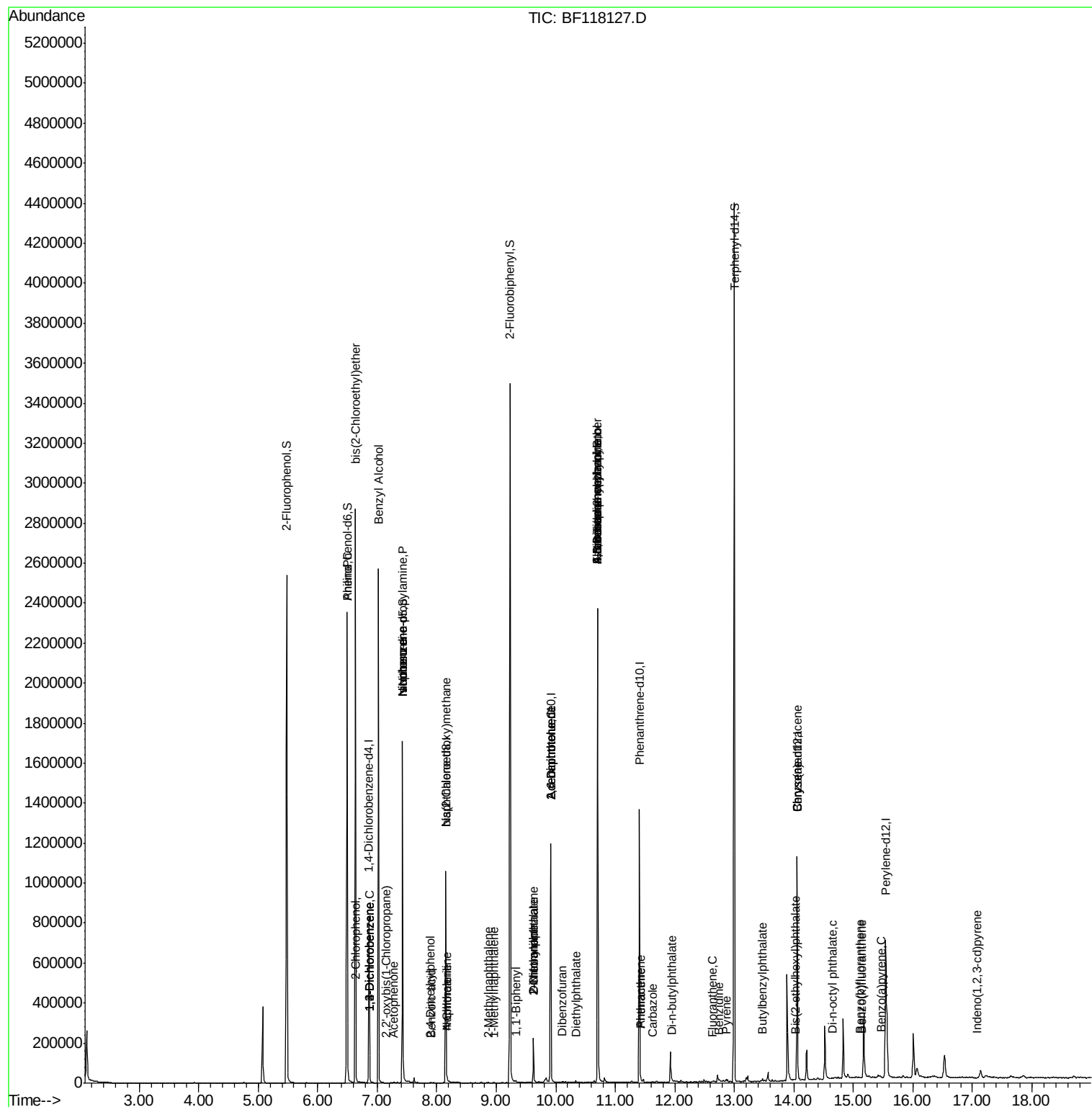
67) 4-Bromophenyl-phenylether	10.70	248	18920	3.313	ng	#	1
71) Phenanthrene	11.43	178	866	0.033	ng	#	60
72) Anthracene	11.43	178	866	0.033	ng	#	61
73) Carbazole	11.64	167	122	0.005	ng	#	58
74) Di-n-butylphthalate	11.96	149	1082	0.036	ng	#	78
75) Fluoranthene	12.63	202	348	0.013	ng		65
77) Benzidine	12.74	184	3722	0.391	ng	#	90
78) Pyrene	12.86	202	171	0.006	ng	#	56
80) Butylbenzylphthalate	13.47	149	137	0.011	ng	#	25
81) Benzo(a)anthracene	14.06	228	1317	0.053	ng	#	38
83) Chrysene	14.06	228	1317	0.055	ng	#	37
84) Bis(2-ethylhexyl)phthalate	14.03	149	1428	0.084	ng	#	89
85) Di-n-octyl phthalate	14.65	149	108	0.004	ng	#	28
86) Indeno(1,2,3-cd)pyrene	17.07	276	247	0.012	ng	#	51
88) Benzo(b)fluoranthene	15.11	252	742	0.035	ng	#	59
89) Benzo(k)fluoranthene	15.14	252	396	0.019	ng	#	54
90) Benzo(a)pyrene	15.47	252	119	0.006	ng	#	60

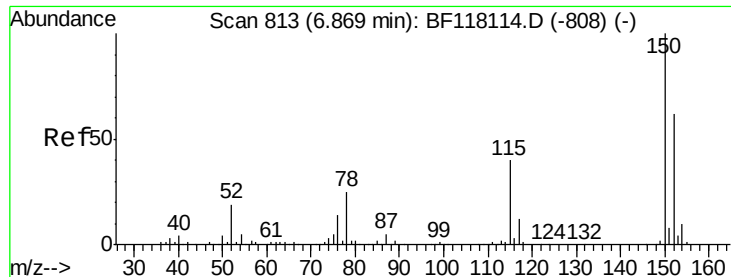
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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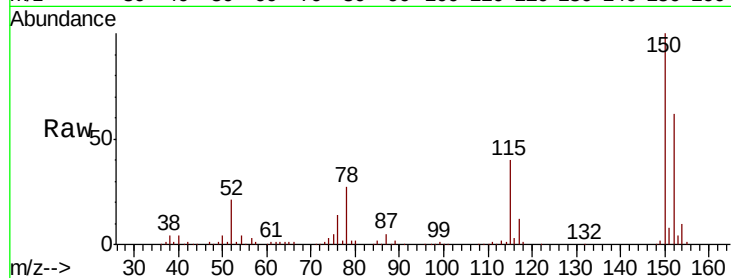


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.3	192.5
115	63.6	51.1	76.7

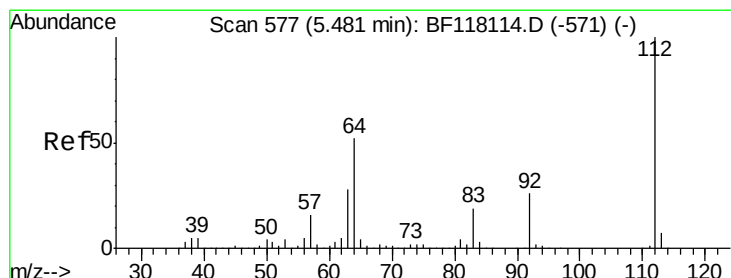
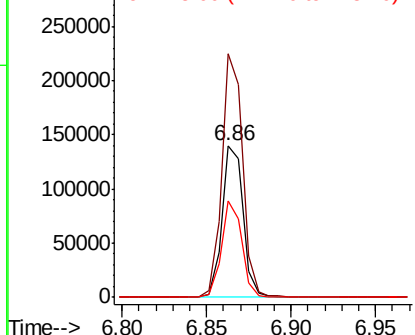
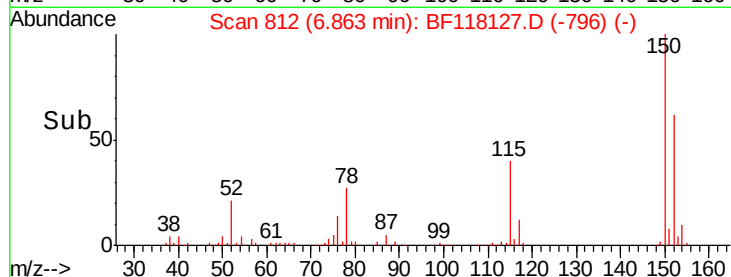


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

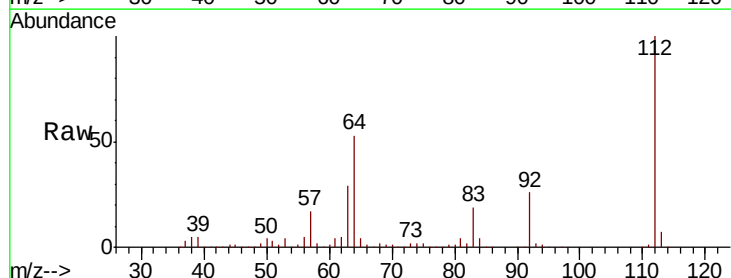
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.603 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.3	61.9
63	29.2	22.4	33.6

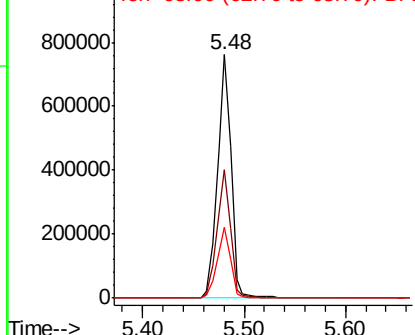
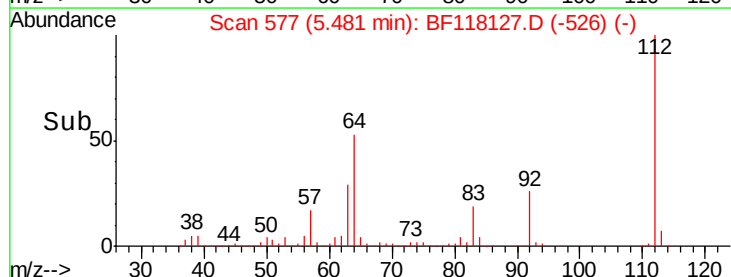


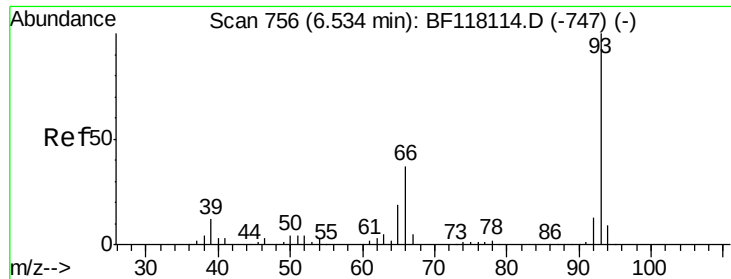
Abundance

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: 0.012 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

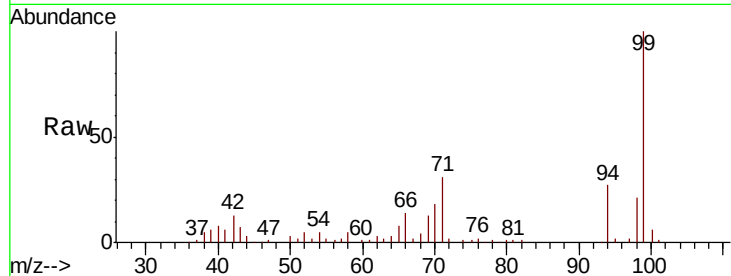
Tot Ion: 93 Resp: 134

Ion Ratio Lower Upper

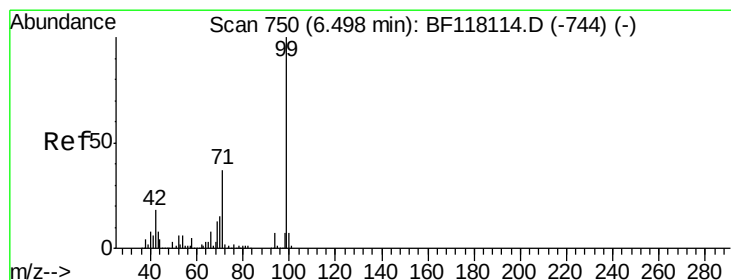
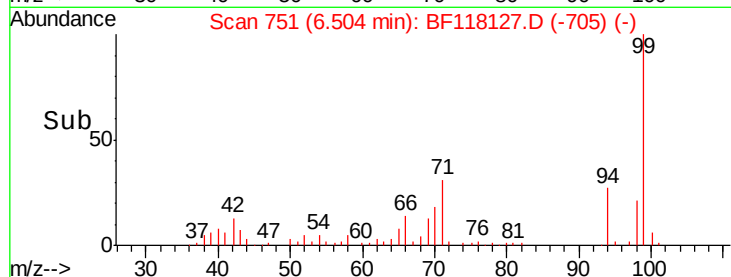
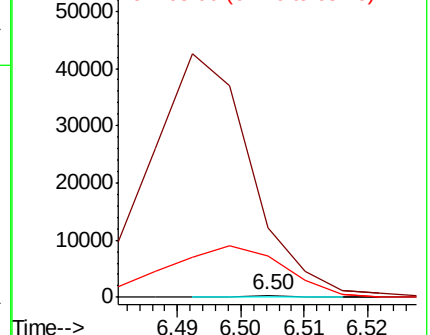
93 100

66 3202.9 30.2 45.2#

65 1882.6 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: 107.580 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

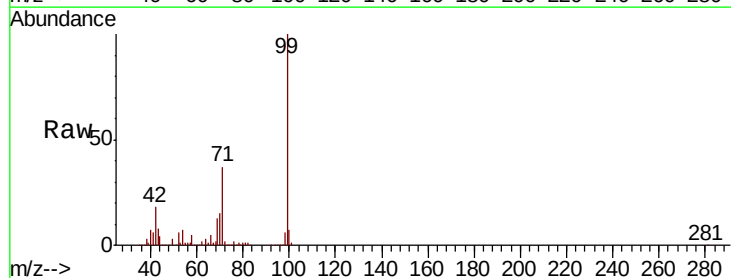
Tgt Ion: 99 Resp: 902538

Ion Ratio Lower Upper

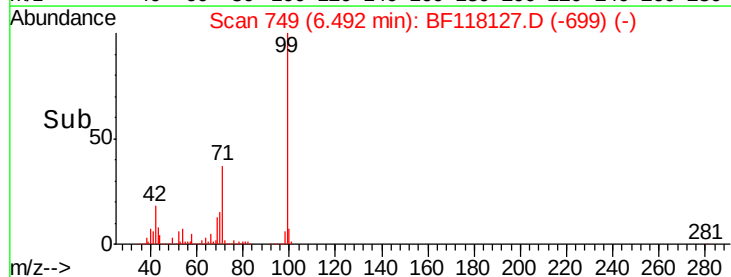
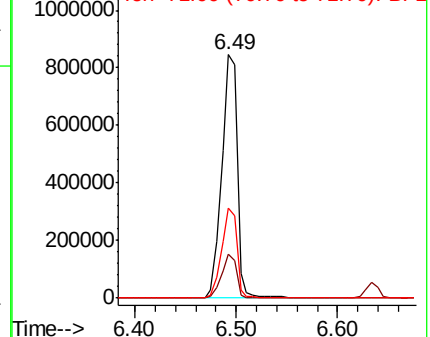
99 100

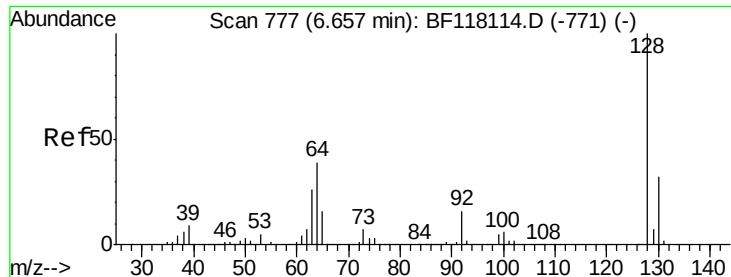
42 18.0 14.1 21.1

71 37.2 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: 0.015 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampled :

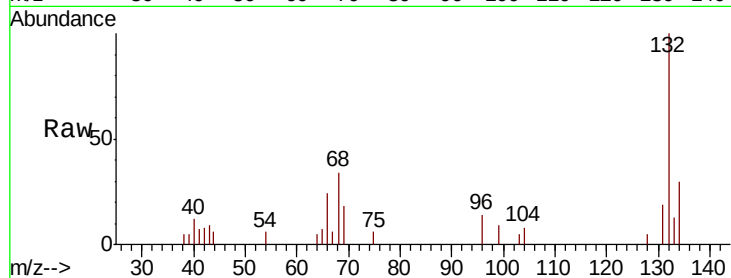
Tot Ion:128 Resp: 121

Ion Ratio Lower Upper

128 100

130 0.0 12.1 52.1#

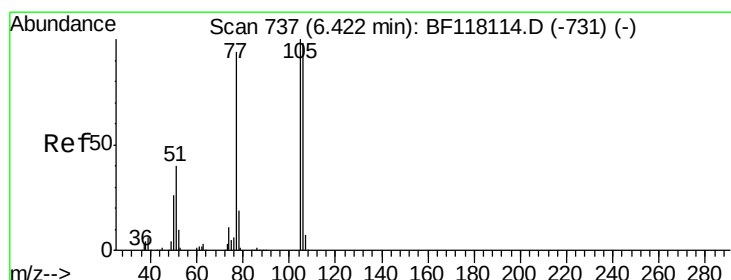
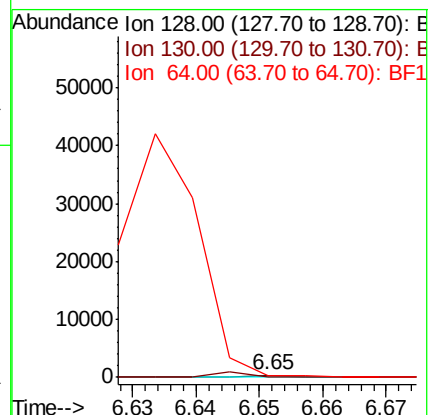
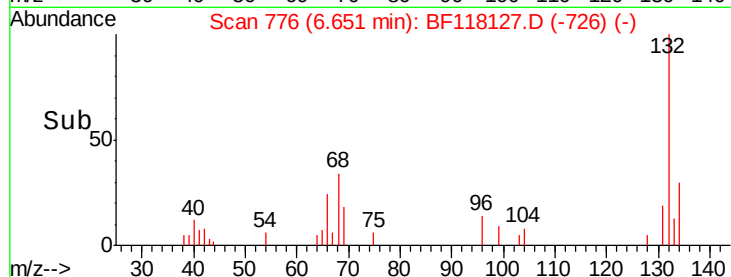
64 113.7 19.3 59.3#



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: 6.49 min Scan# 749

Delta R.T. 0.07 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

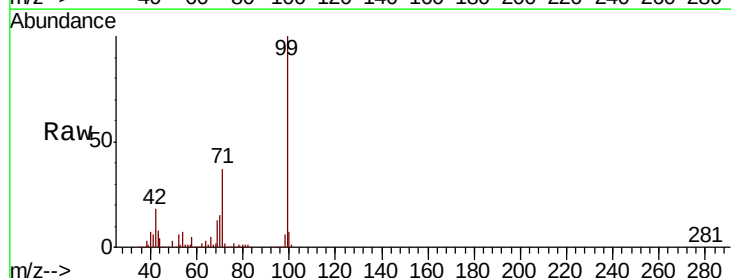
Tgt Ion: 77 Resp: 1617

Ion Ratio Lower Upper

77 100

105 0.0 86.4 126.4#

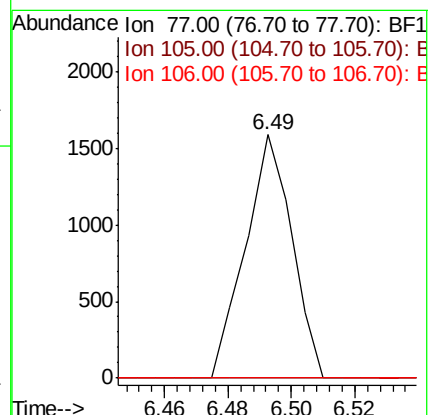
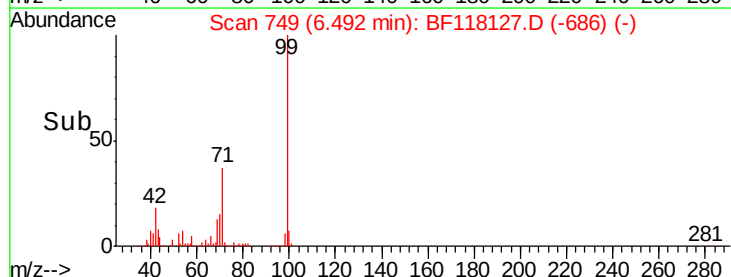
106 0.0 83.8 123.8#

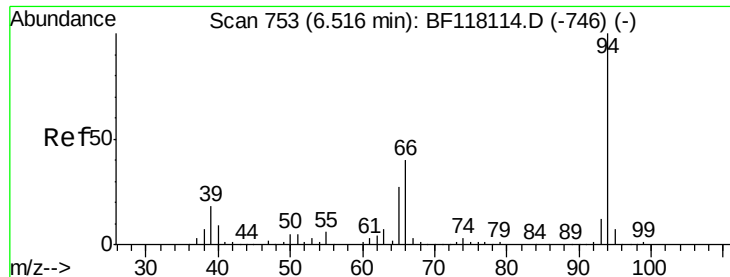


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.478 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampled :

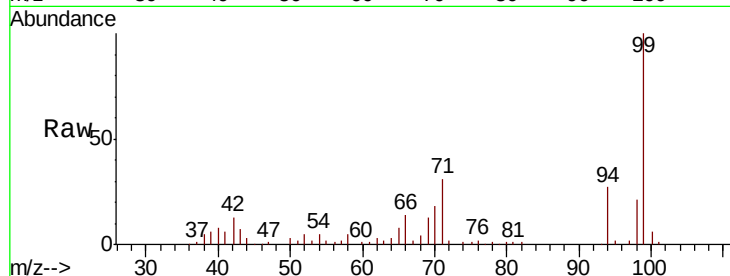
Tot Ion: 94 Resp: 14139

Ion Ratio Lower Upper

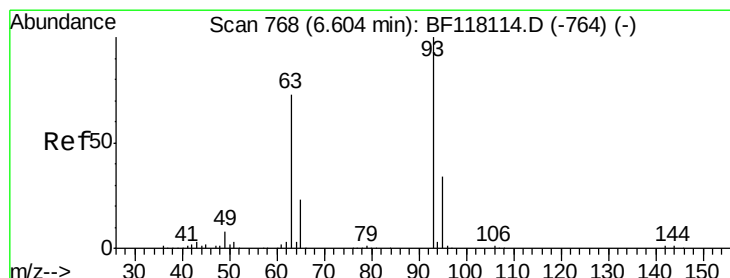
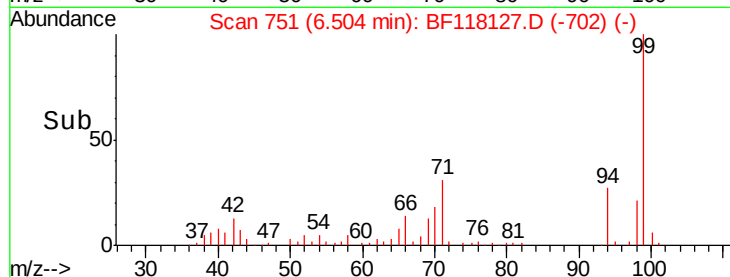
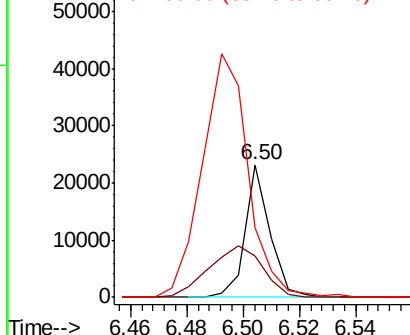
94 100

65 30.9 7.3 47.3

66 52.6 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: 0.124 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.03 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

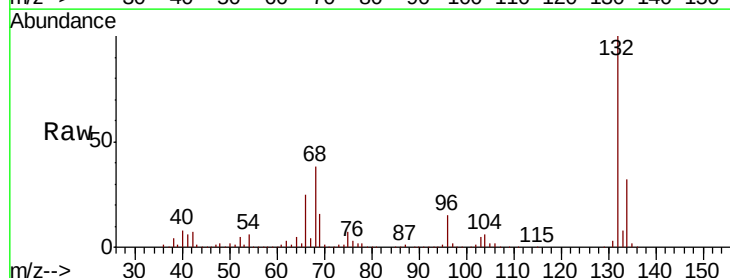
Tgt Ion: 93 Resp: 858

Ion Ratio Lower Upper

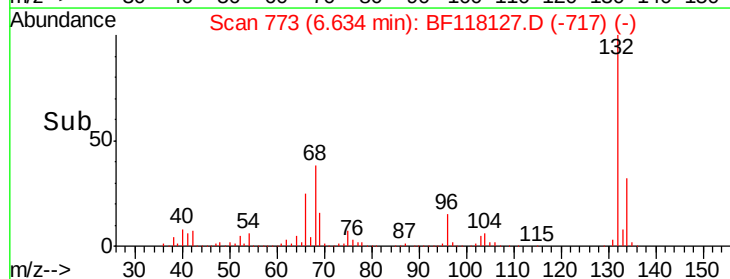
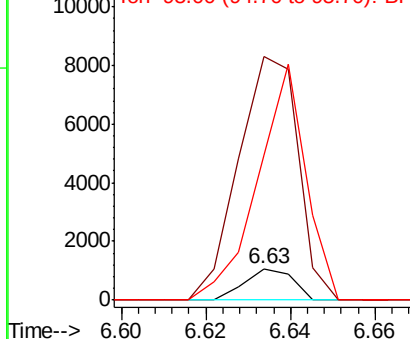
93 100

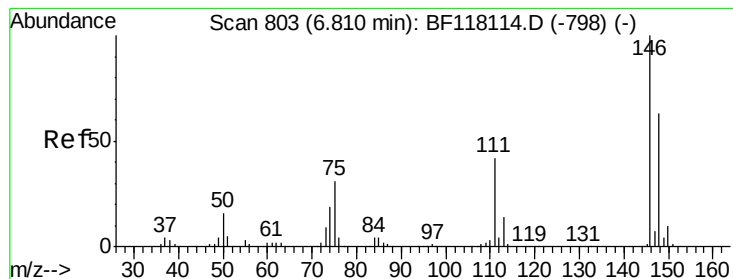
63 766.5 53.2 93.2#

95 457.9 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: 0.065 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.07 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

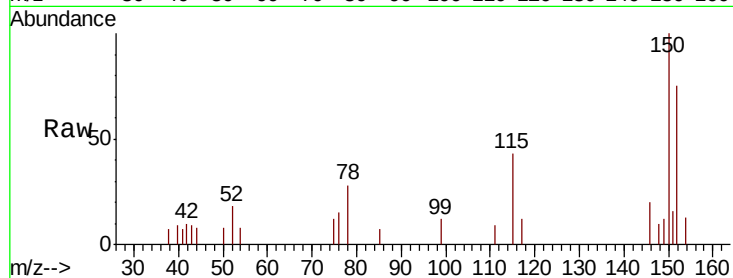
Tot Ion:146 Resp: 594

Ion Ratio Lower Upper

146 100

148 52.6 50.2 75.4

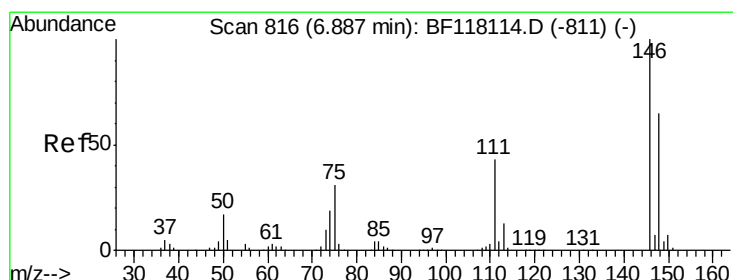
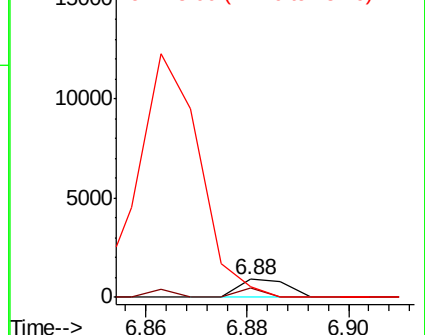
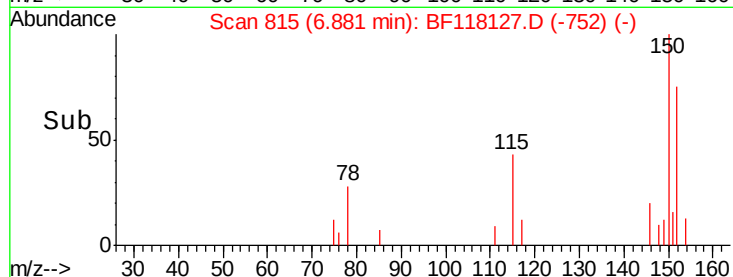
75 58.7 24.6 37.0#



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: 0.065 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

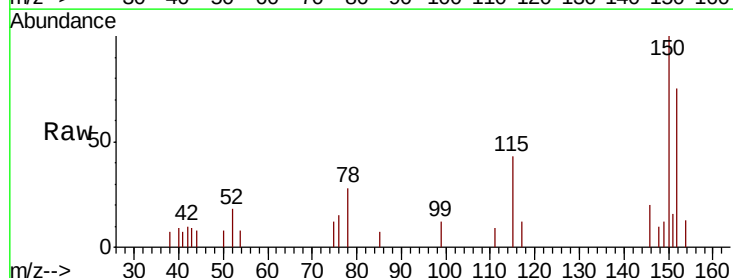
Tgt Ion:146 Resp: 594

Ion Ratio Lower Upper

146 100

148 52.6 52.1 78.1

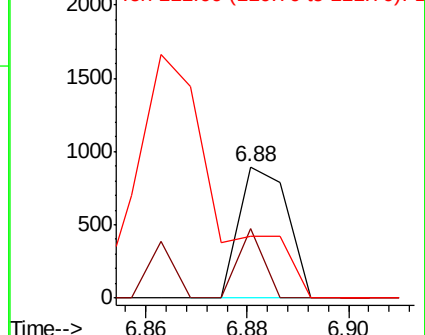
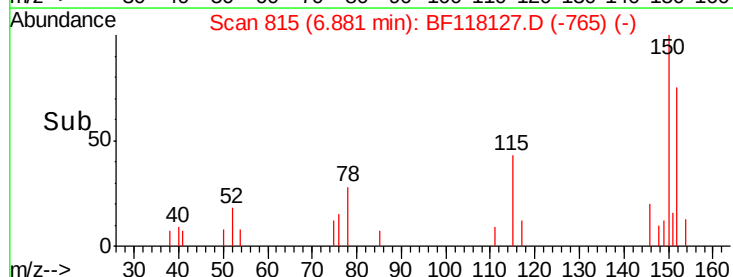
111 47.0 34.6 52.0

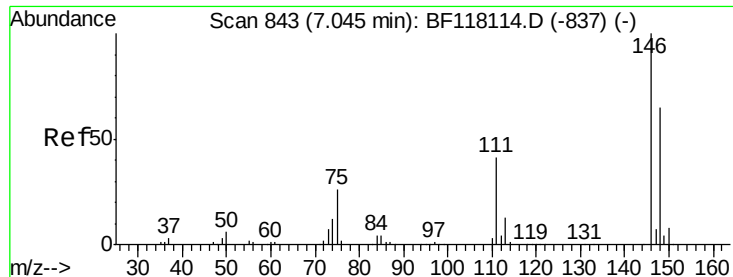


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

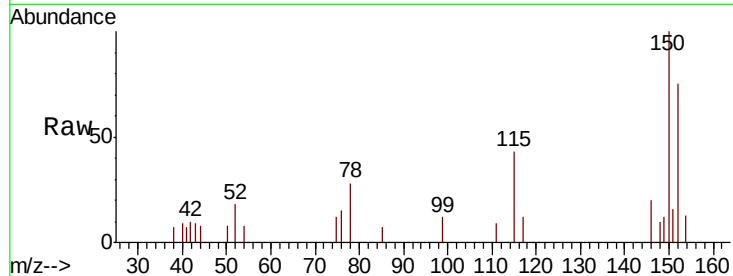




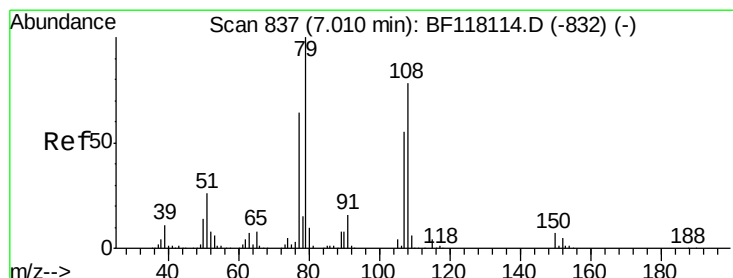
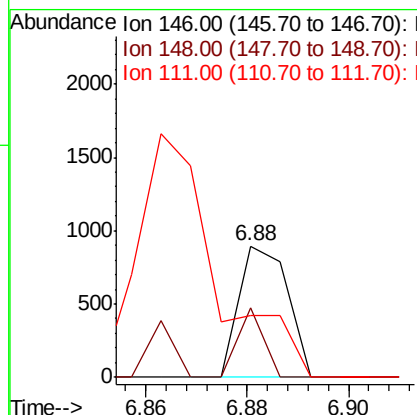
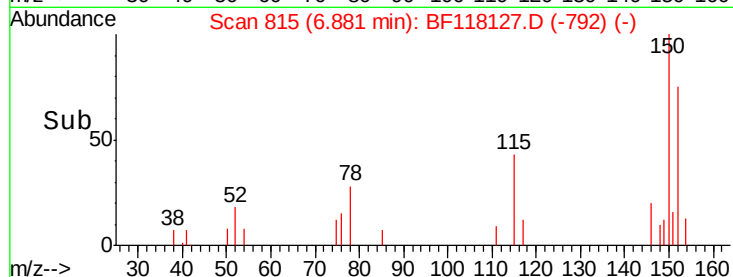
#14
 1,2-Dichlorobenzene
 Concen: 0.069 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.16 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 594
 Ion Ratio Lower Upper
 146 100
 148 52.6 52.2 78.2
 111 47.0 33.1 49.7

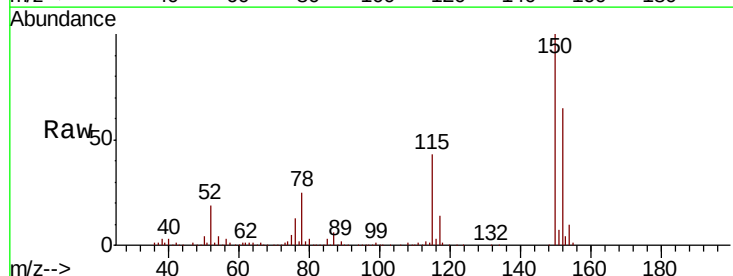


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

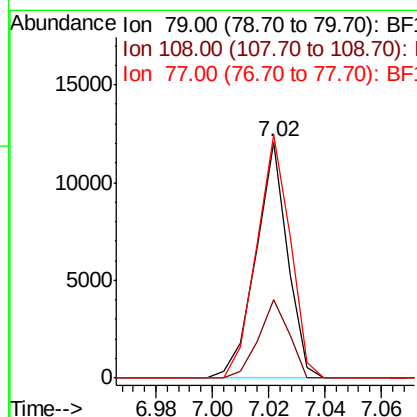
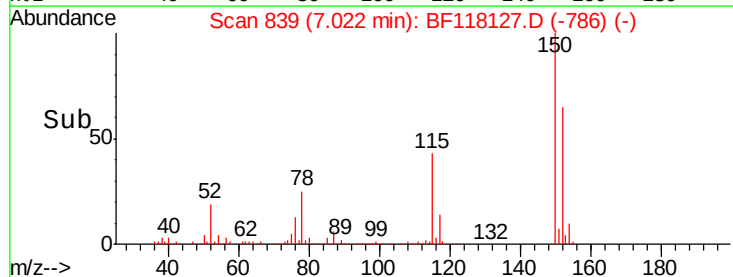


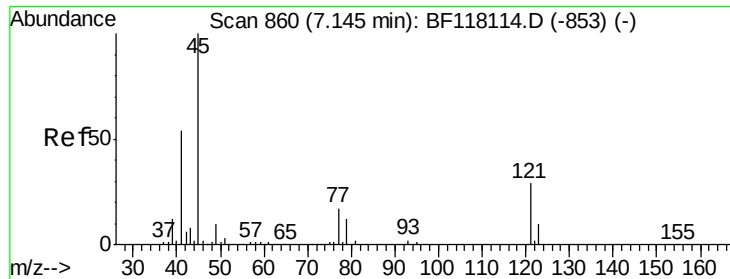
#15
 Benzyl Alcohol
 Concen: 1.436 ng
 RT: 7.02 min Scan# 839
 Delta R.T. 0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion: 79 Resp: 9404
 Ion Ratio Lower Upper
 79 100
 108 33.1 62.7 94.1#
 77 103.0 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

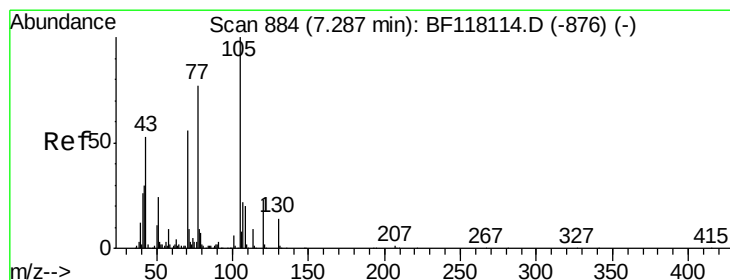
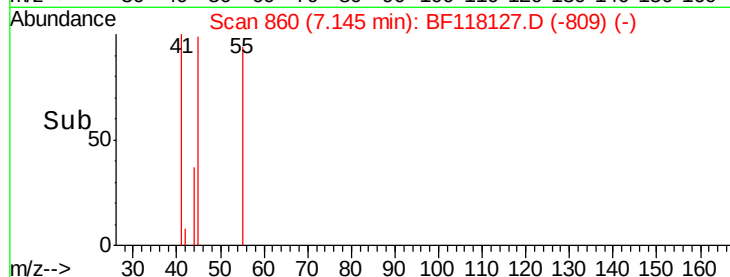
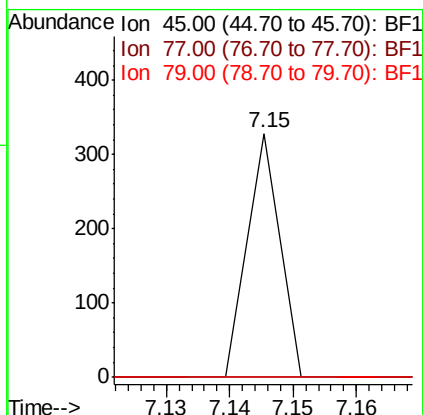
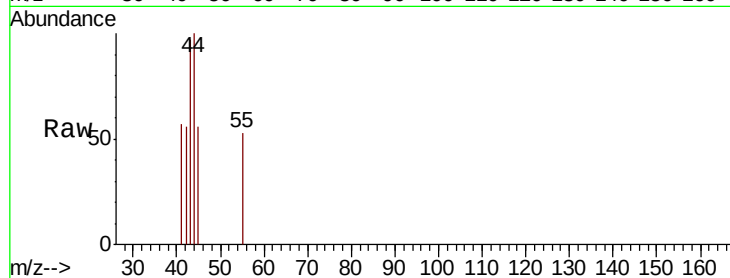




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.014 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

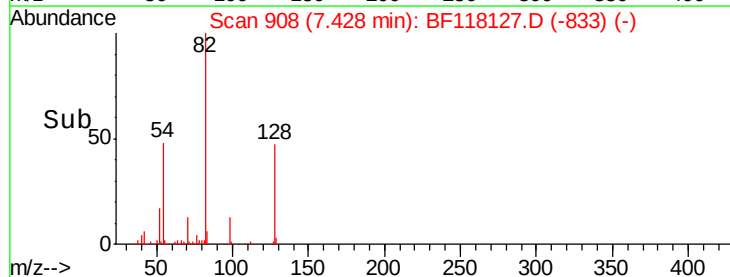
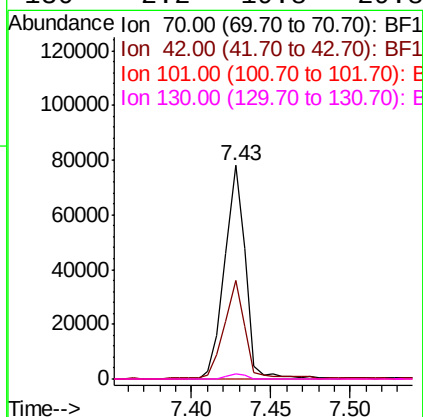
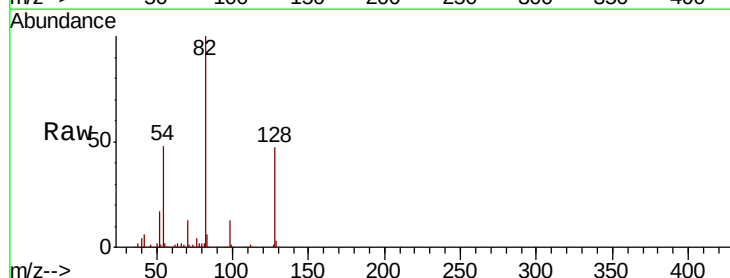
Instrument :
BNA_F
ClientSampleId :

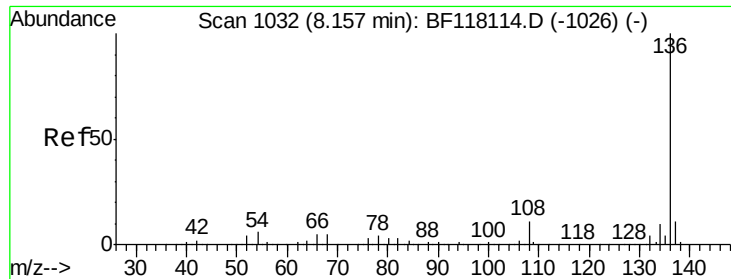
Tot Ion: 45 Resp: 116
Ion Ratio Lower Upper
45 100
77 0.0 0.0 38.0
79 0.0 0.0 33.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.018 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion: 70 Resp: 71461
Ion Ratio Lower Upper
70 100
42 45.9 43.2 64.8
101 0.0 8.1 12.1#
130 2.2 19.8 29.8#

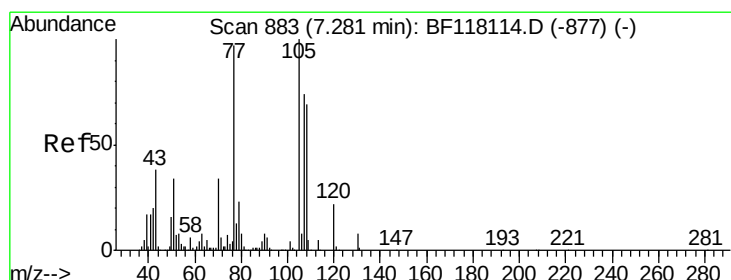
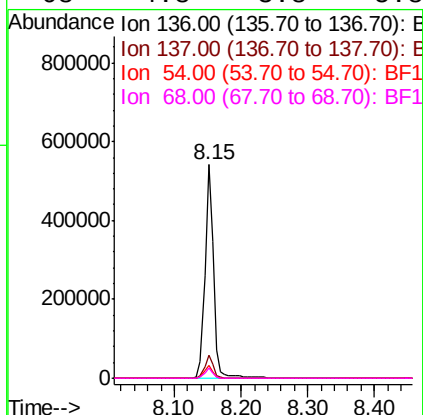
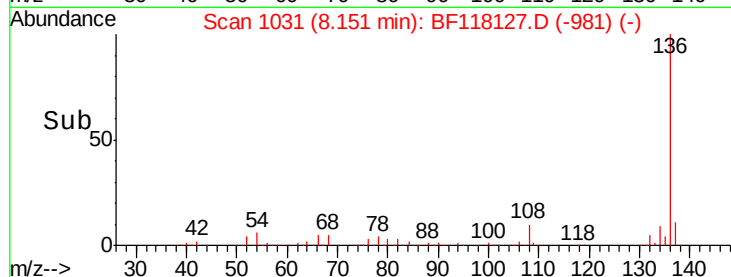
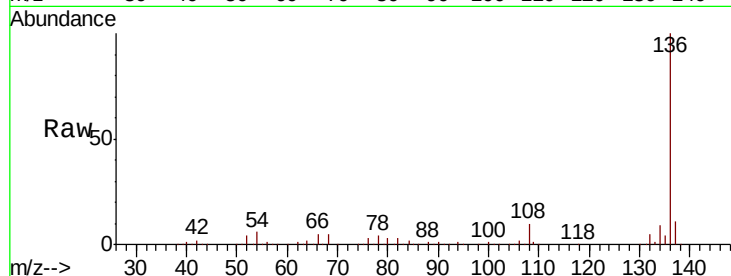




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

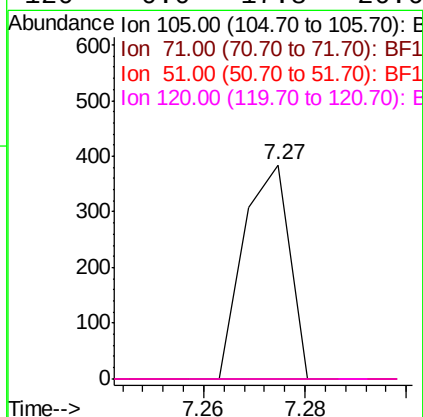
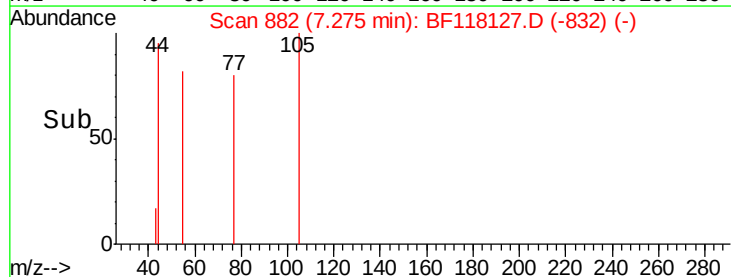
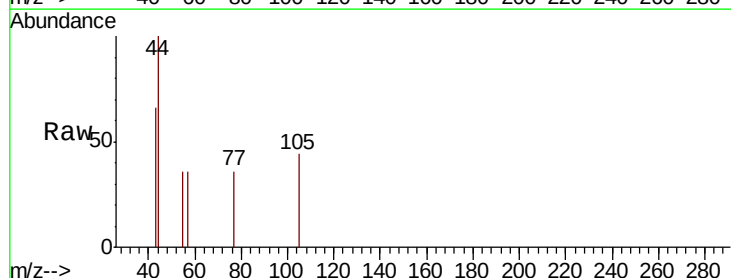
Instrument :
BNA_F
ClientSampleId :

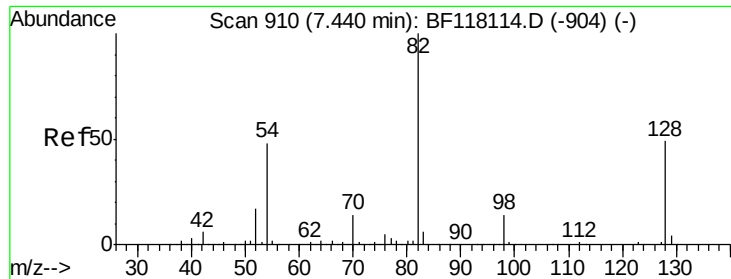
Tot Ion:136	Resp:	477975
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	6.2	5.0 7.6
68	4.8	3.8 5.8



#22
Acetophenone
Concen: 0.021 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion:105	Resp:	244
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#

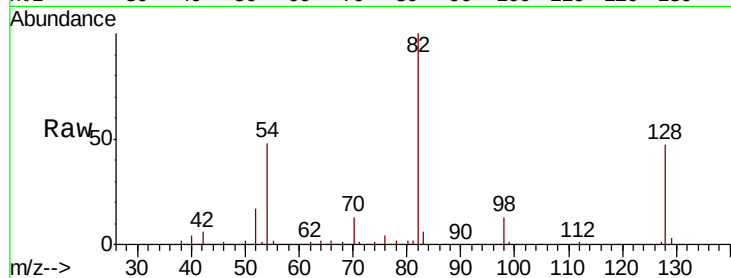




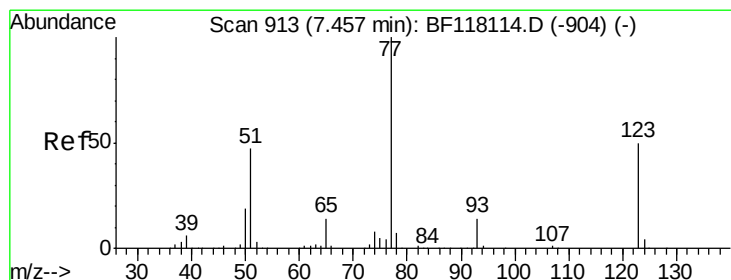
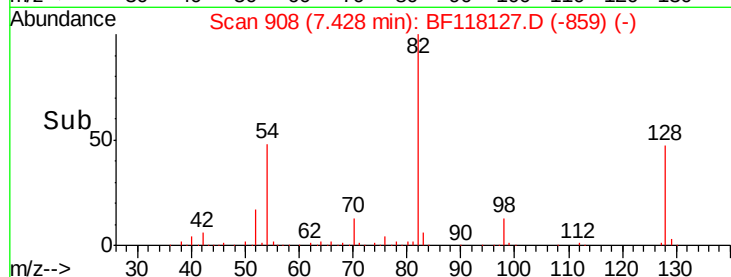
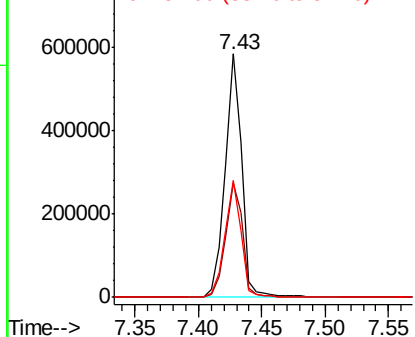
#23
 Nitrobenzene-d5
 Concen: 62.559 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	531509
Ion Ratio	100	Lower	Upper
128	46.8	39.1	58.7
54	48.0	38.2	57.2

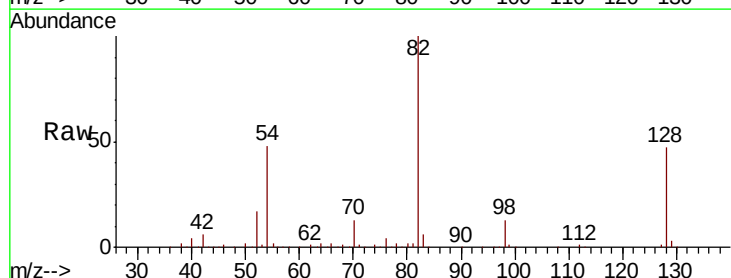


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

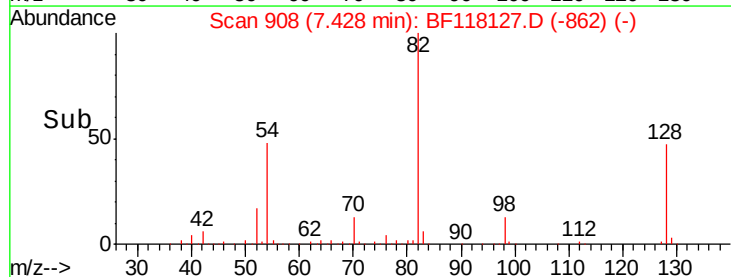
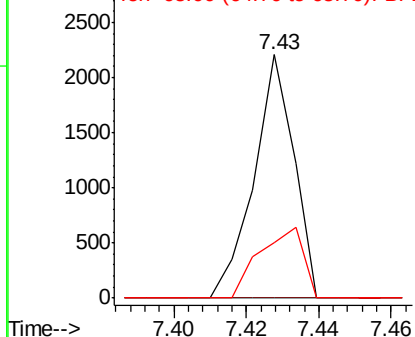


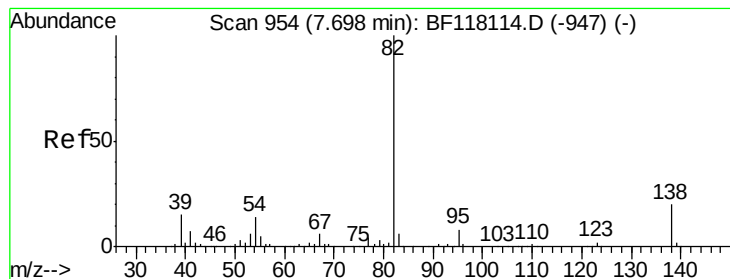
#24
 Nitrobenzene
 Concen: 0.202 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.03 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion	77	Resp	1682
Ion Ratio	100	Lower	Upper
123	0.0	40.1	60.1#
65	22.6	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): E
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 36.612 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

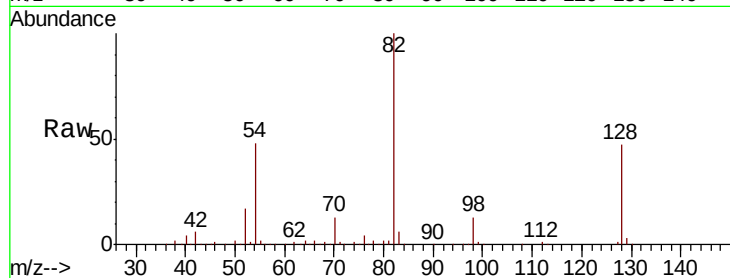
Tot Ion: 82 Resp: 527322

Ion Ratio Lower Upper

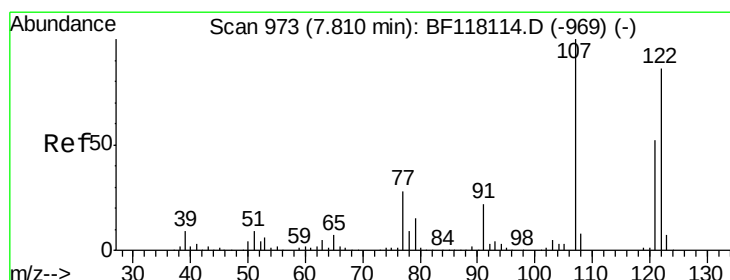
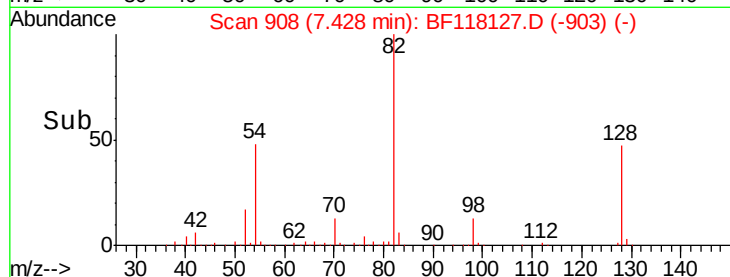
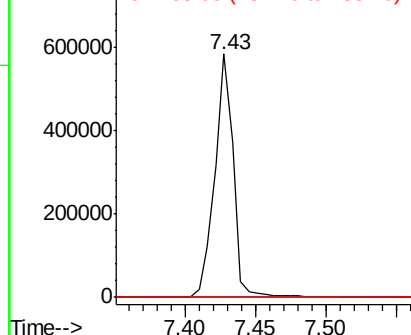
82 100

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): E



#27

2,4-Dimethylphenol

Concen: 0.051 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.09 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

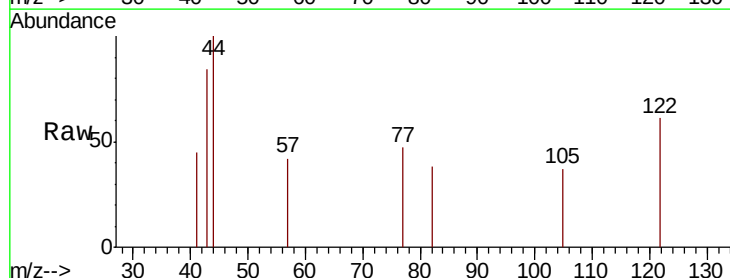
Tgt Ion: 122 Resp: 306

Ion Ratio Lower Upper

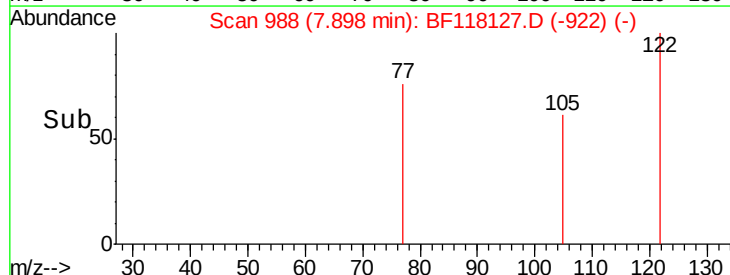
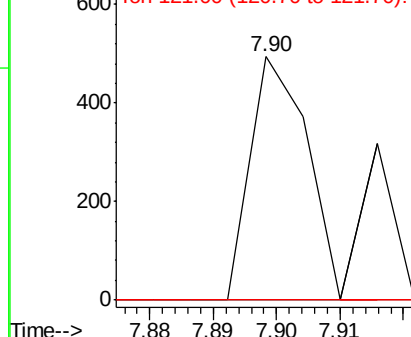
122 100

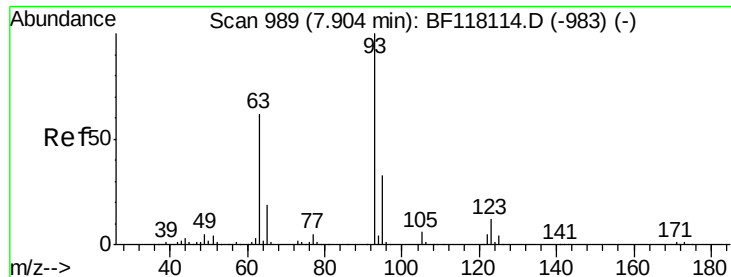
107 0.0 92.9 139.3#

121 0.0 48.3 72.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 0.014 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.25 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

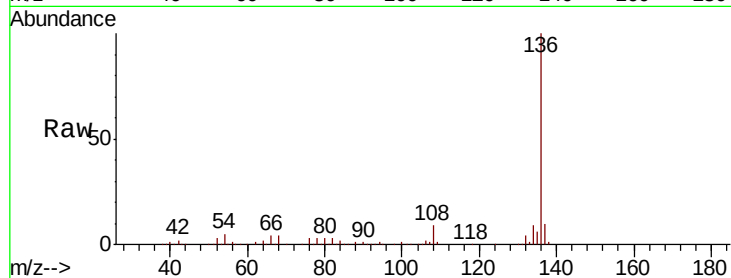
Tot Ion: 93 Resp: 128

Ion Ratio Lower Upper

93 100

95 96.1 26.7 40.1#

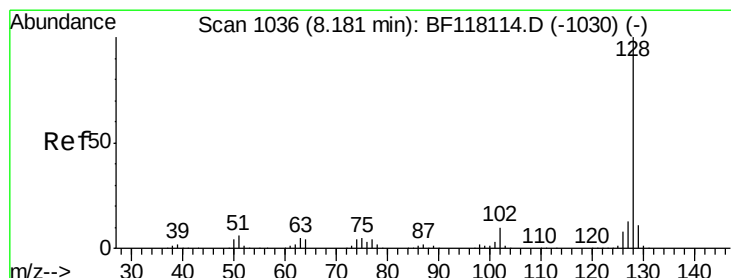
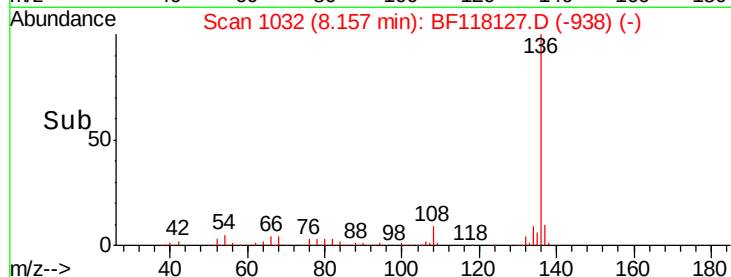
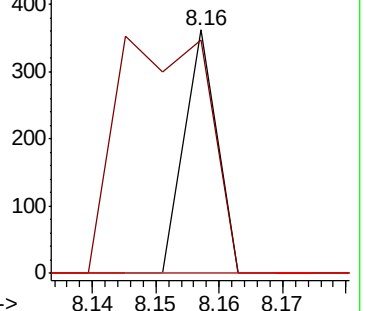
123 0.0 10.0 15.0#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1



#31

Naphthalene

Concen: 0.172 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

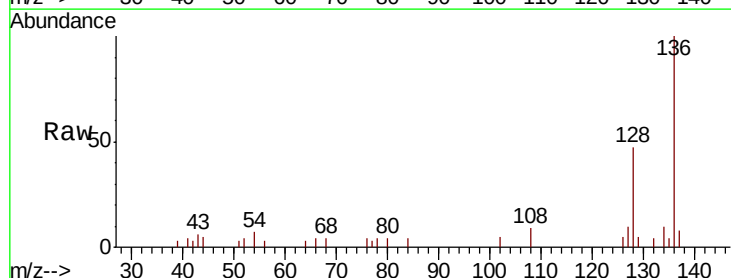
Tgt Ion: 128 Resp: 4126

Ion Ratio Lower Upper

128 100

129 10.3 9.1 13.7

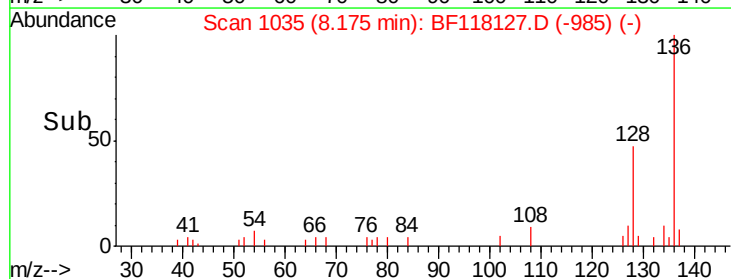
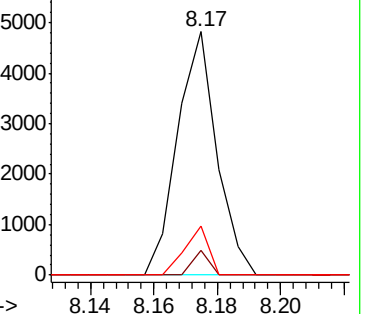
127 20.2 10.6 16.0#

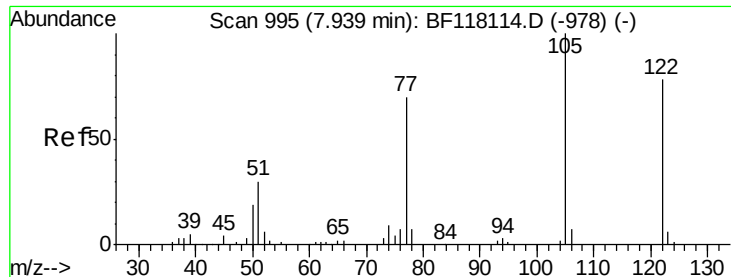


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 0.021 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

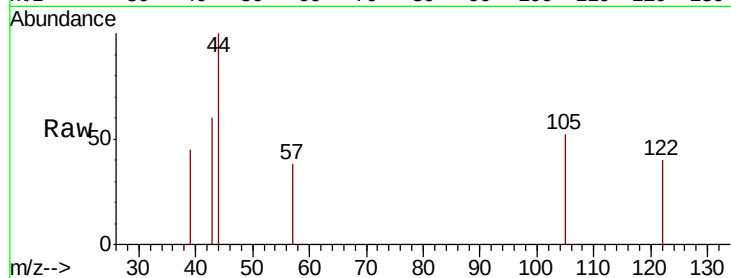
Tot Ion:122 Resp: 112

Ion Ratio Lower Upper

122 100

105 128.6 104.7 144.7

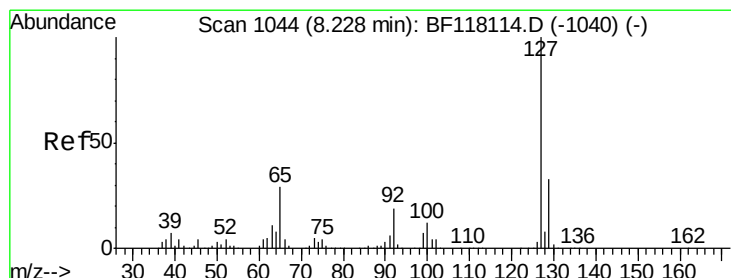
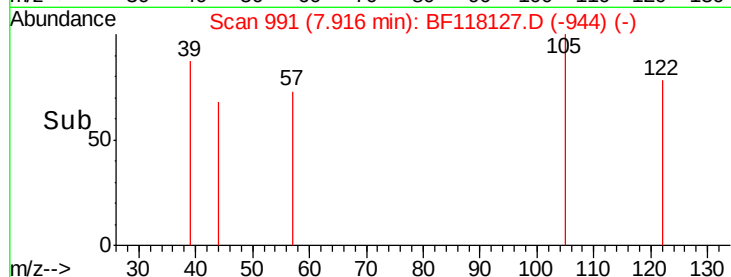
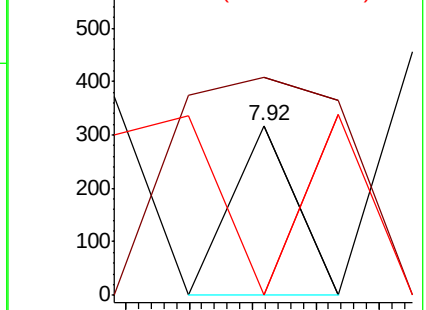
77 0.0 69.1 109.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 0.048 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Tgt Ion:127 Resp: 501

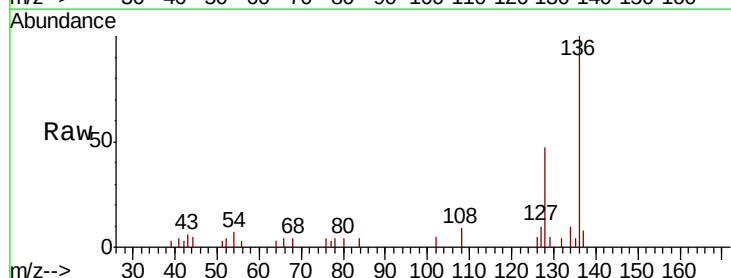
Ion Ratio Lower Upper

127 100

129 51.1 26.6 40.0#

65 0.0 23.2 34.8#

92 0.0 15.4 23.0#

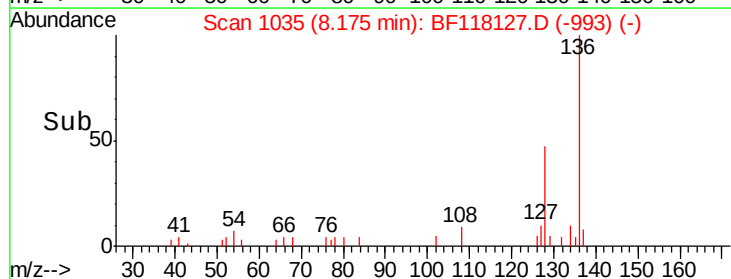
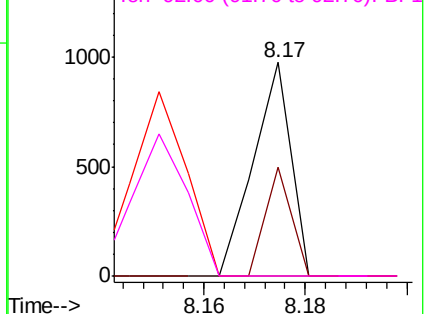


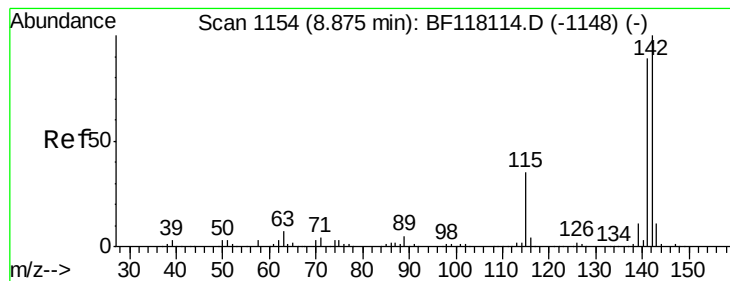
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 0.030 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

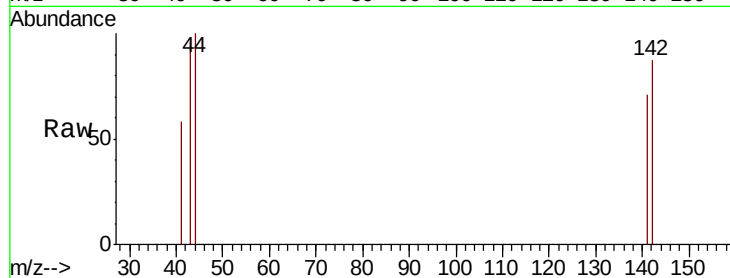
Tot Ion:142 Resp: 480

Ion Ratio Lower Upper

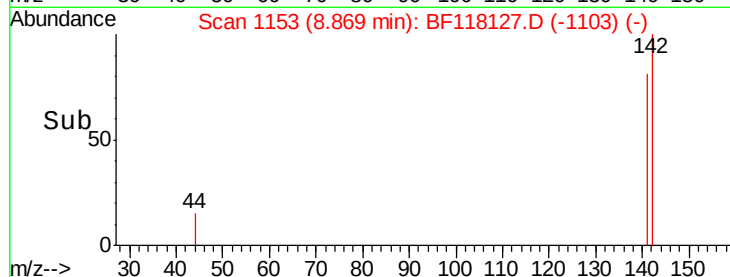
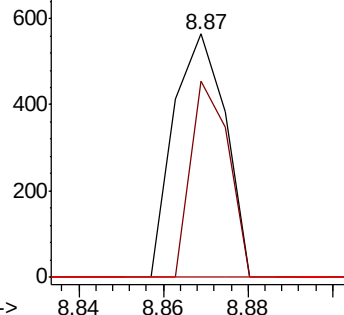
142 100

141 80.9 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: 0.010 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

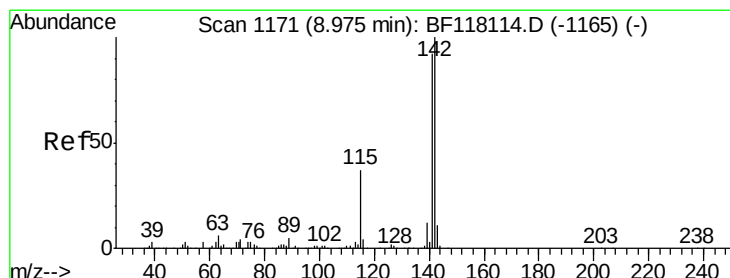
Tgt Ion:142 Resp: 150

Ion Ratio Lower Upper

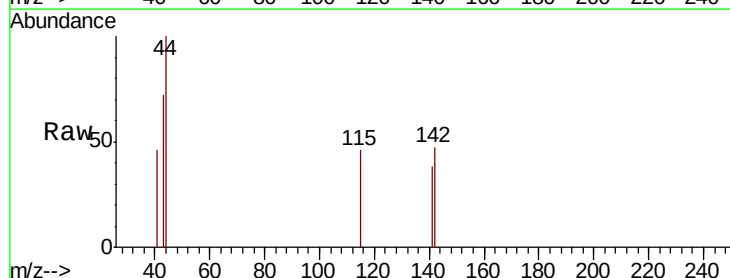
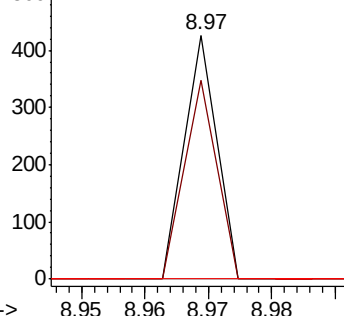
142 100

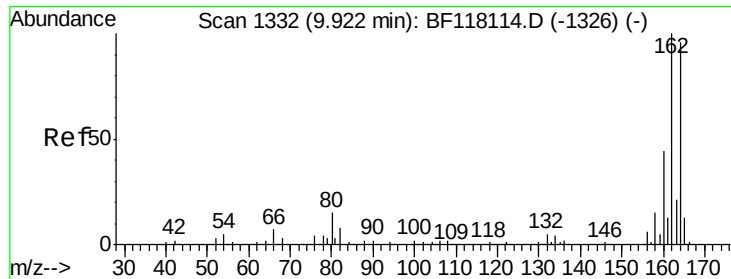
141 81.5 74.0 111.0

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

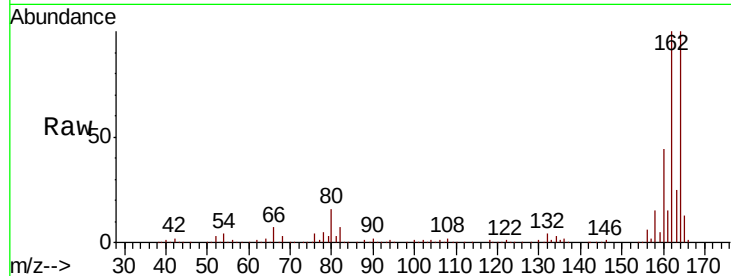




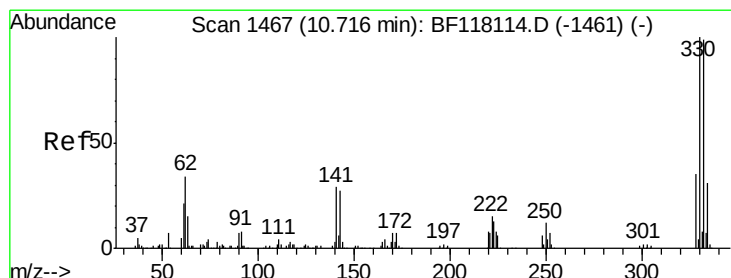
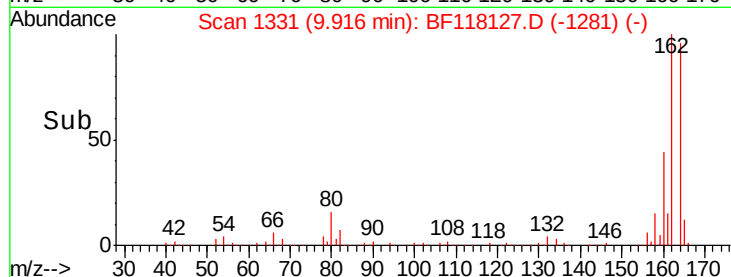
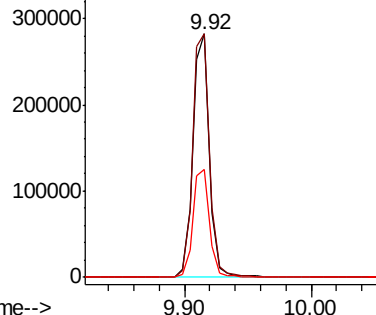
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 255963
Ion Ratio Lower Upper
164 100
162 100.2 83.4 125.0
160 44.2 36.6 54.8

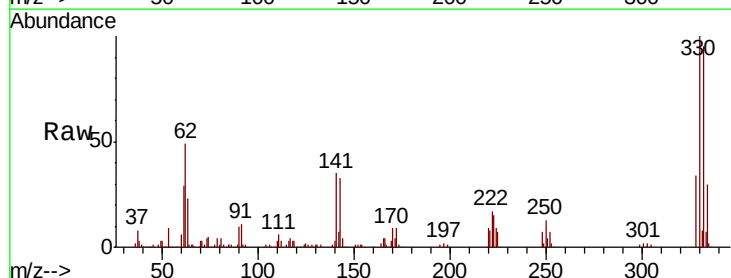


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

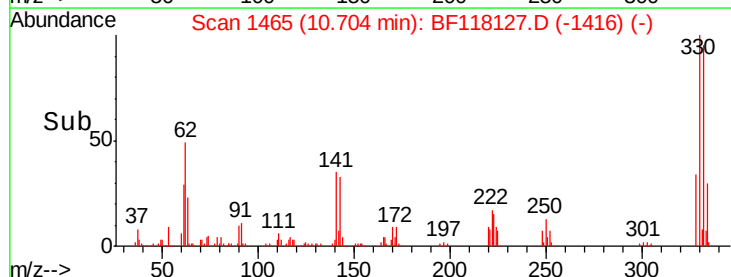
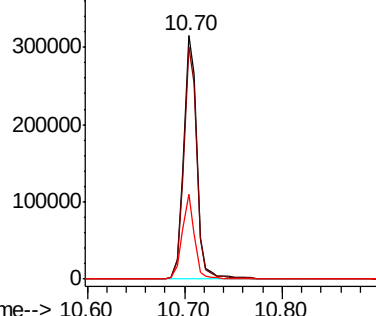


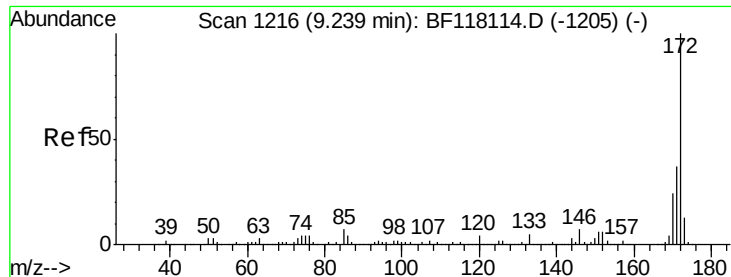
#42
2,4,6-Tribromophenol
Concen: 95.387 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion:330 Resp: 296603
Ion Ratio Lower Upper
330 100
332 95.3 78.1 117.1
141 32.6 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

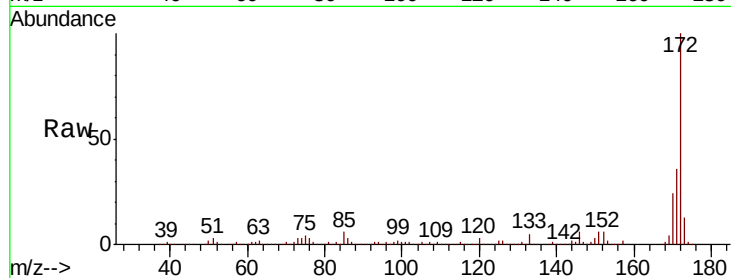




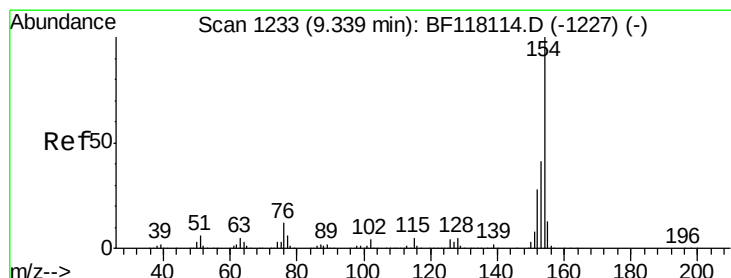
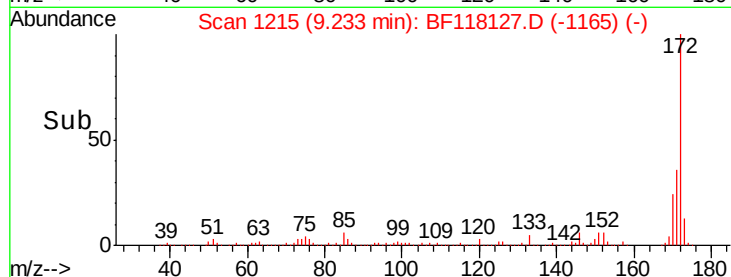
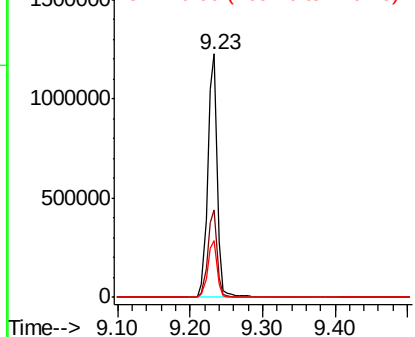
#45
2-Fluorobiphenyl
Concen: 66.074 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1111454
Ion Ratio Lower Upper
172 100
171 36.1 29.2 43.8
170 23.5 19.4 29.2

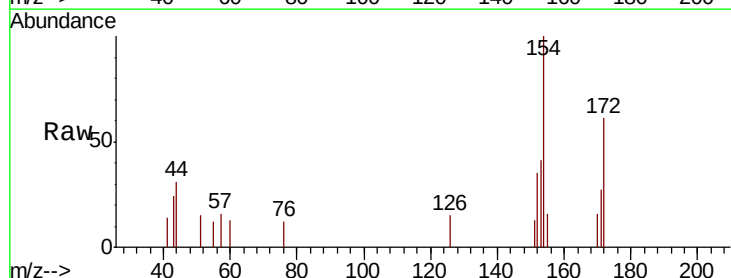


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

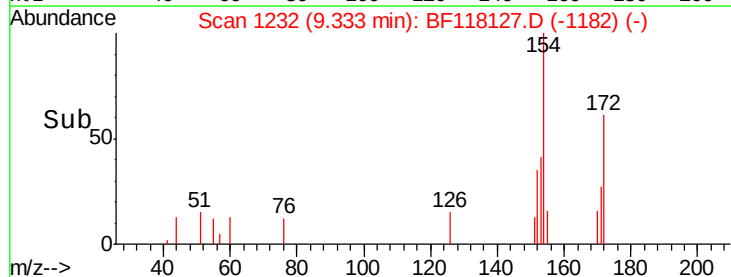
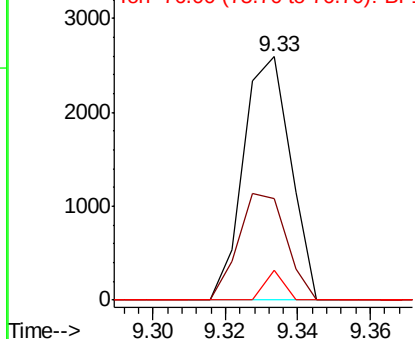


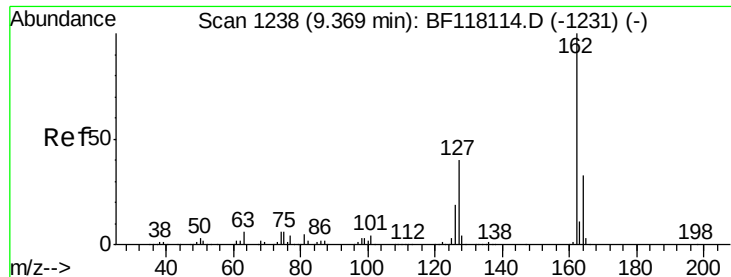
#46
1,1'-Biphenyl
Concen: 0.116 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion:154 Resp: 2336
Ion Ratio Lower Upper
154 100
153 41.4 20.7 60.7
76 12.5 0.0 31.9



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

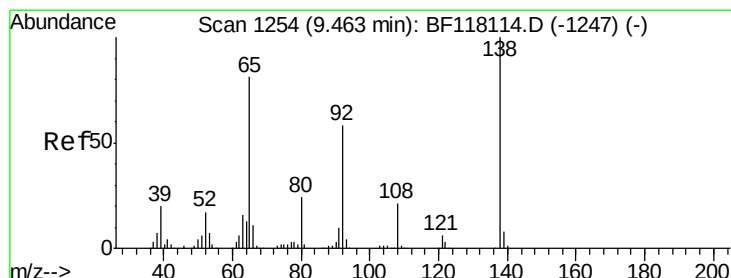
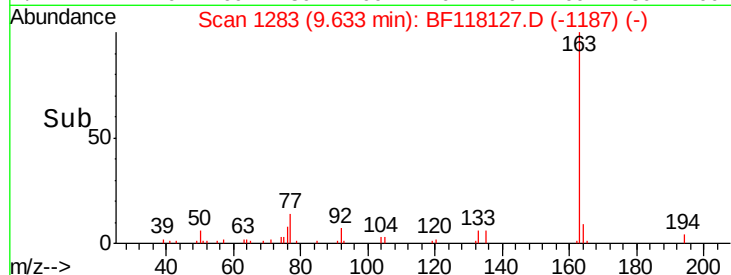
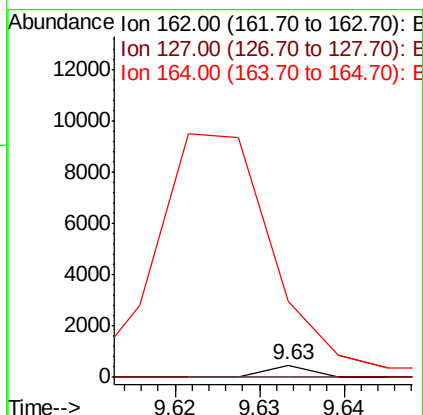
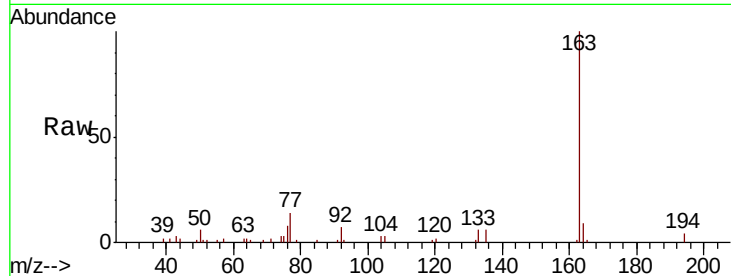




#47
 2-Chloronaphthalene
 Concen: 0.010 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. 0.26 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

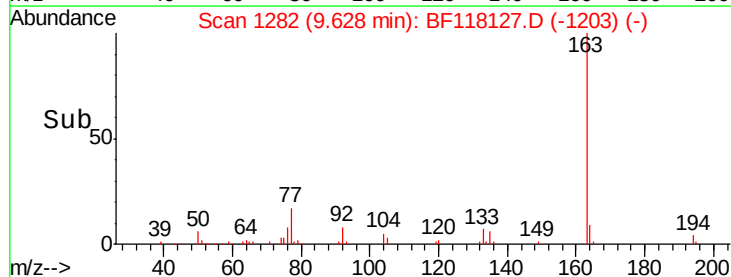
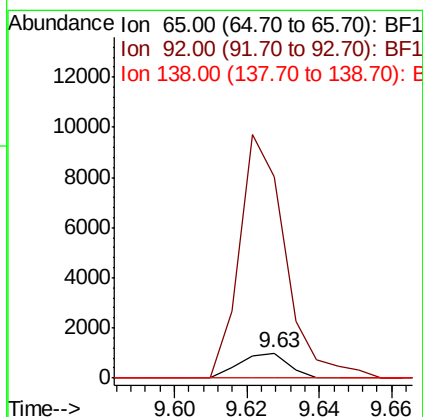
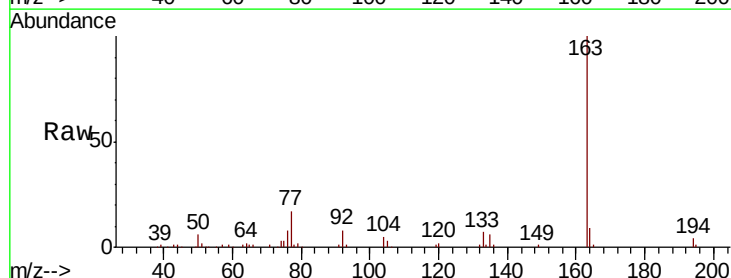
Instrument :
 BNA_F
 ClientSampleId :

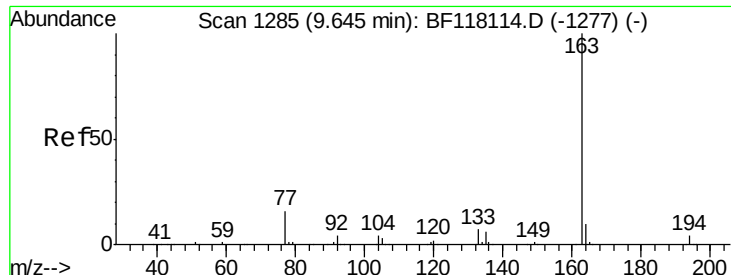
Tot Ion: 162 Resp: 168
 Ion Ratio Lower Upper
 162 100
 127 0.0 32.0 48.0#
 164 625.8 26.1 39.1#



#48
 2-Nitroaniline
 Concen: 0.200 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion: 65 Resp: 926
 Ion Ratio Lower Upper
 65 100
 92 801.9 57.8 86.6#
 138 0.0 98.8 148.2#

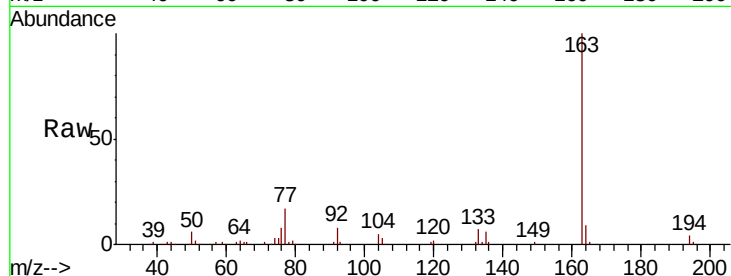




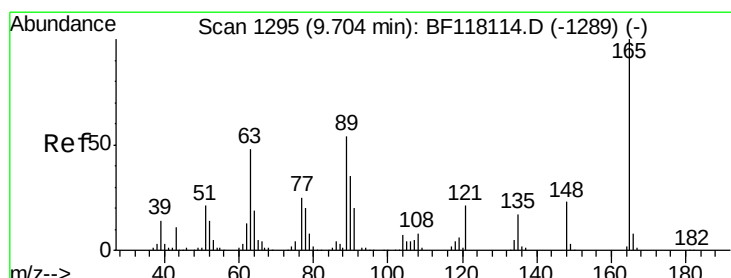
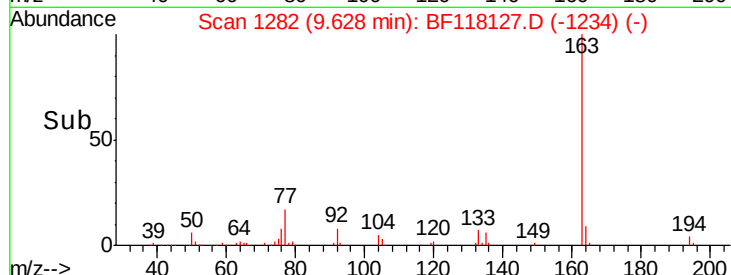
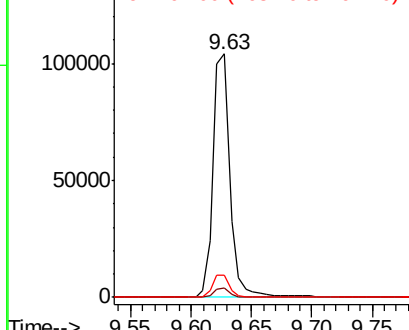
#50
Dimethylphthalate
Concen: 5.346 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.0	7.7	11.5

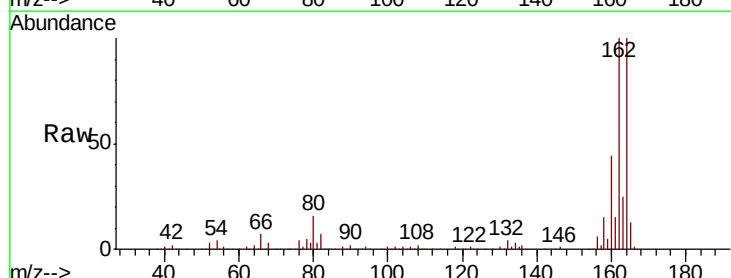


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

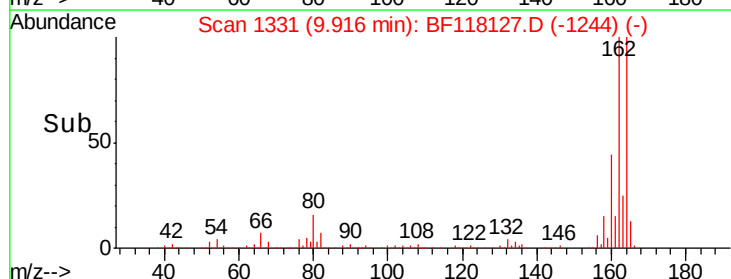
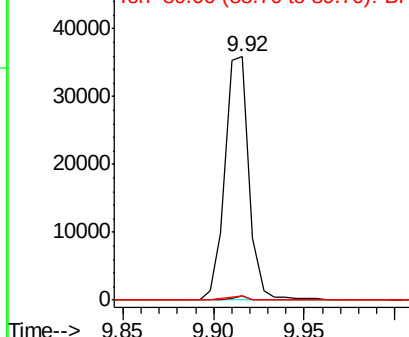


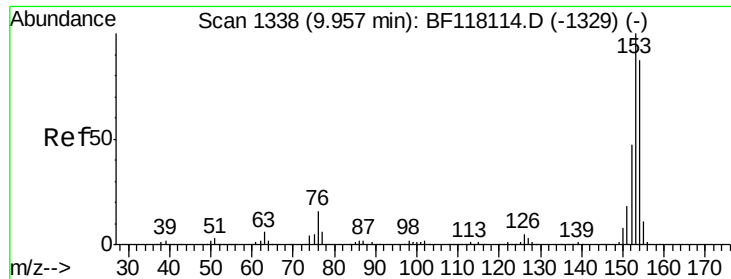
#51
2,6-Dinitrotoluene
Concen: 8.128 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.4	62.0#
89	1.5	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: 0.058 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.04 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

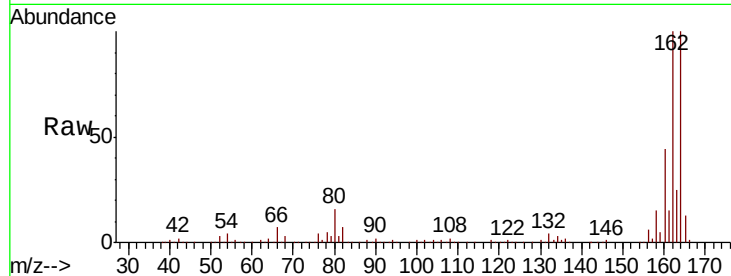
Tot Ion:154 Resp: 847

Ion Ratio Lower Upper

154 100

153 0.0 91.8 137.6#

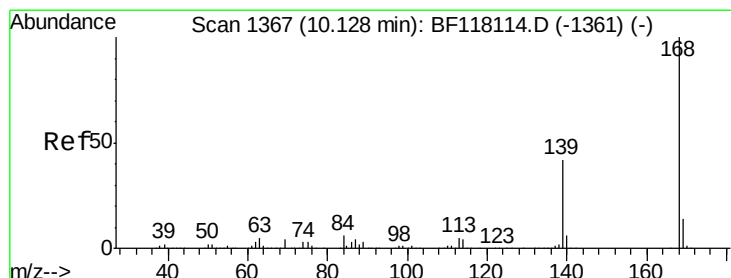
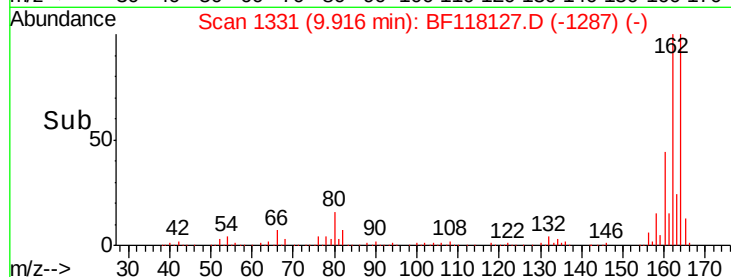
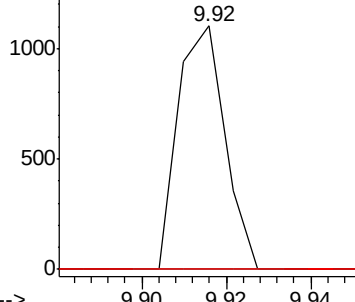
152 0.0 43.3 64.9#



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



#55

Dibenzofuran

Concen: 0.012 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

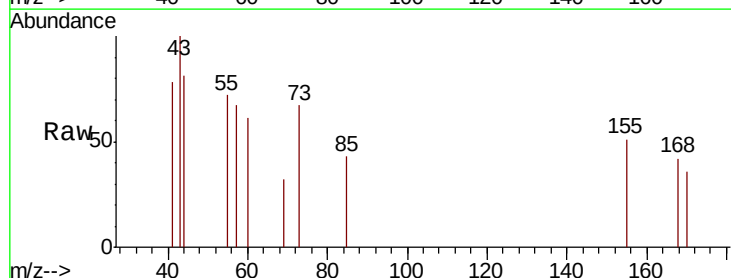
Tgt Ion:168 Resp: 261

Ion Ratio Lower Upper

168 100

139 0.0 33.4 50.0#

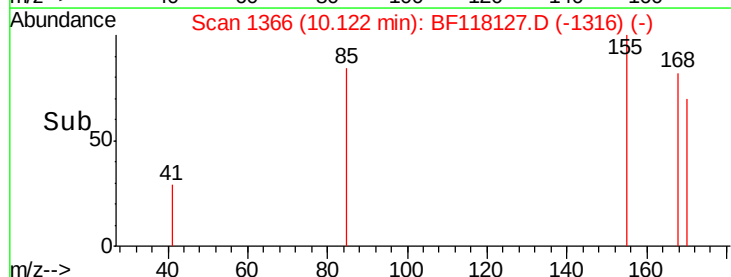
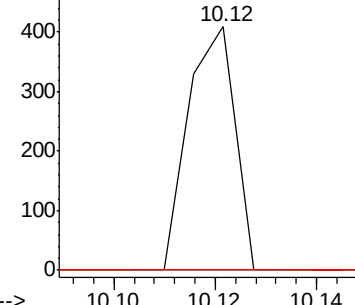
169 0.0 11.0 16.6#

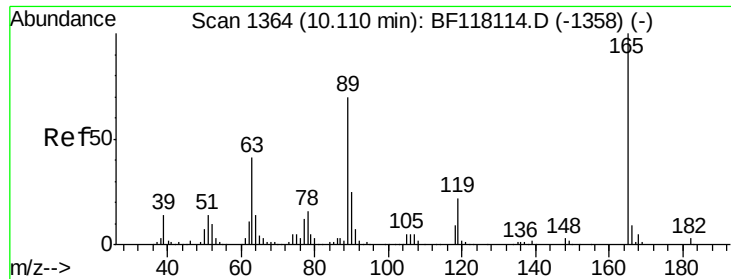


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

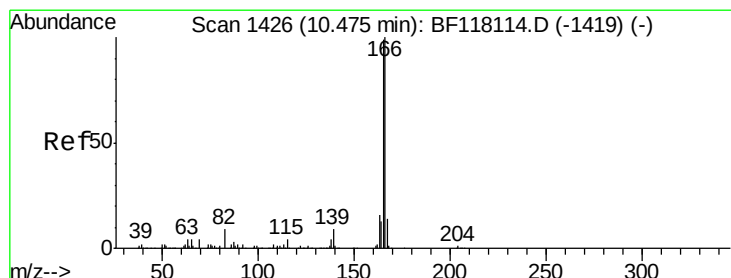
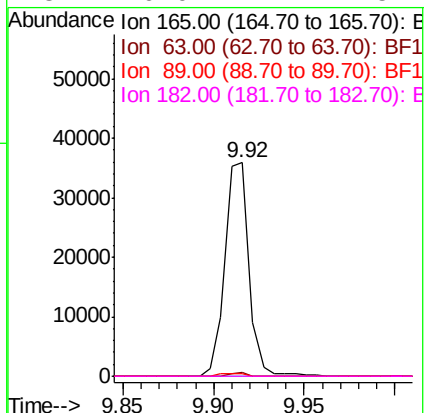
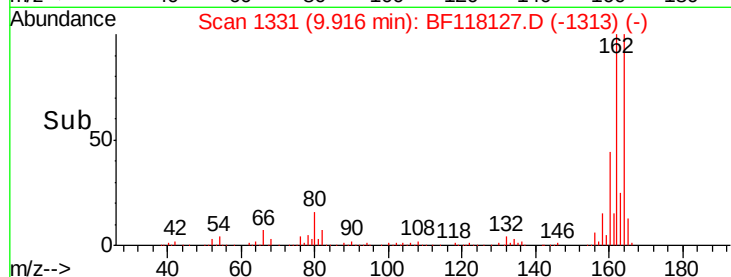
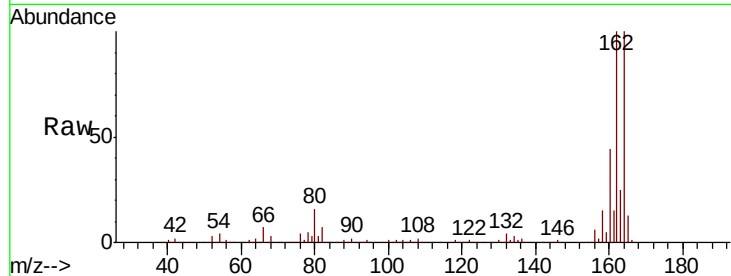




#57
2,4-Dinitrotoluene
Concen: 6.089 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

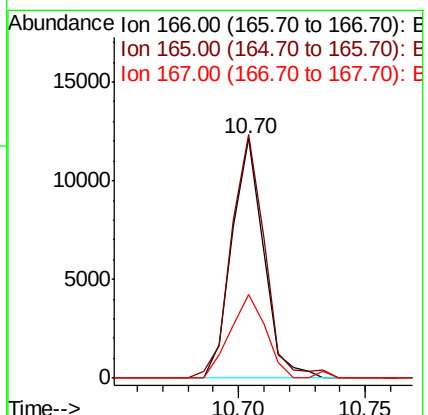
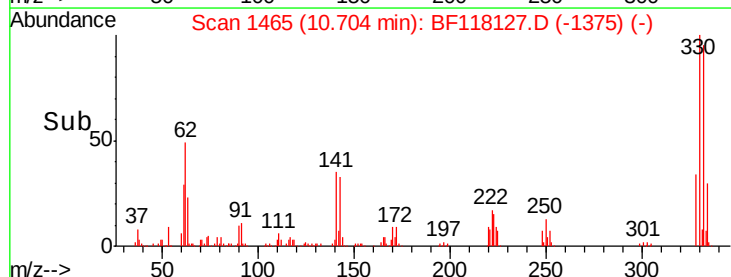
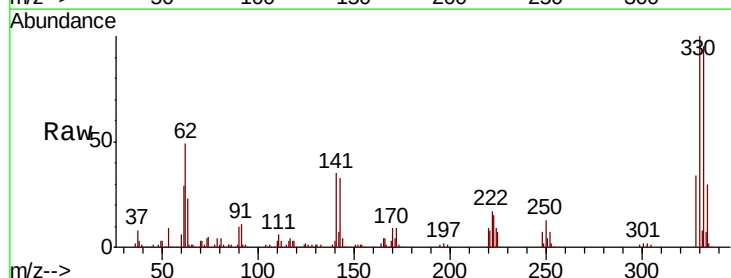
Instrument :
BNA_F
ClientSampleId :

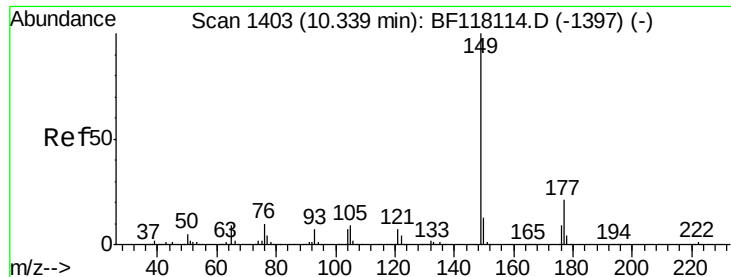
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.6	49.0#
89	1.5	56.1	84.1#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 0.622 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.23 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.0	118.4
167	34.7	10.9	16.3#





#60

Diethylphthalate

Concen: 0.013 ng

RT: 10.33 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampled :

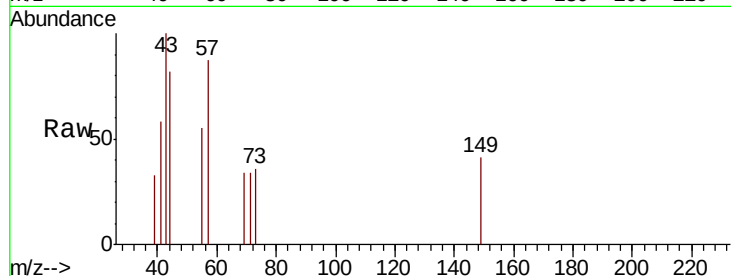
Tot Ion:149 Resp: 248

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.4#

150 0.0 10.1 15.1#

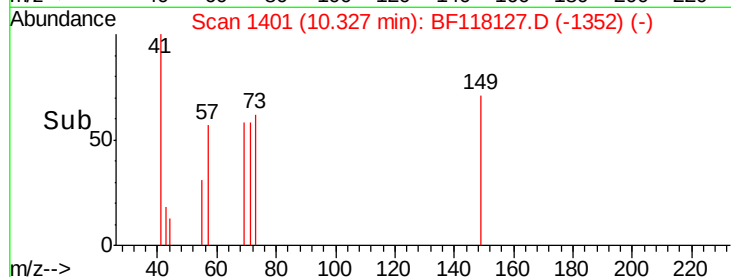


Abundance Ion 149.00 (148.70 to 149.70): E

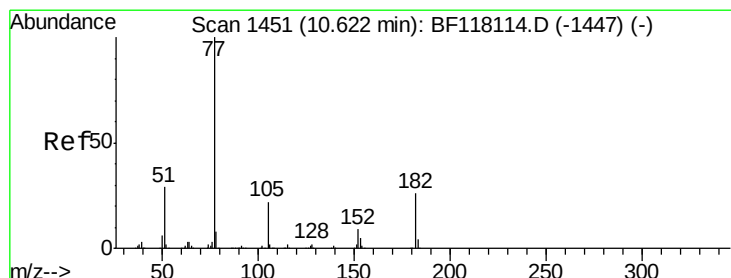
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->



Time-->



#63

Azobenzene

Concen: 0.083 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.08 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Tgt Ion: 77 Resp: 1314

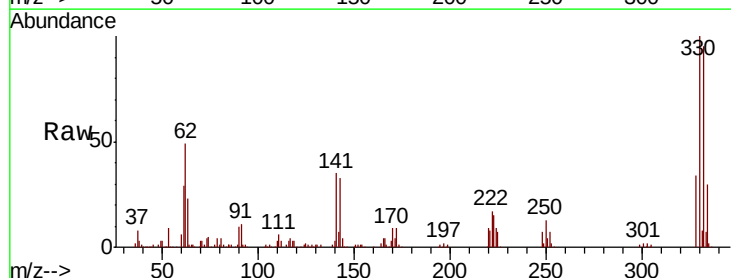
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 76.6 2.2 42.2#

51 72.3 9.6 49.6#



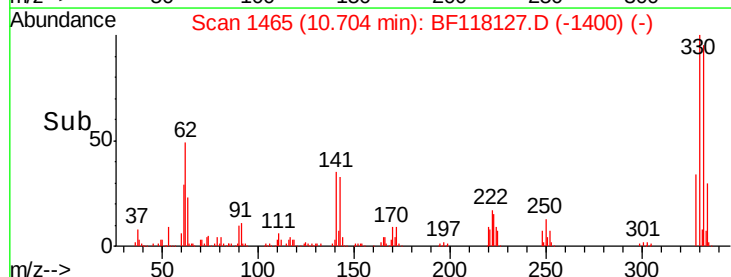
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

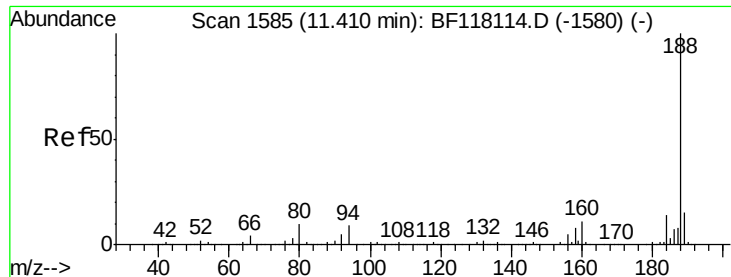
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

Time-->



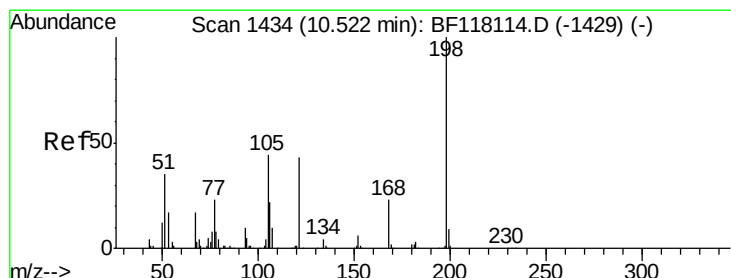
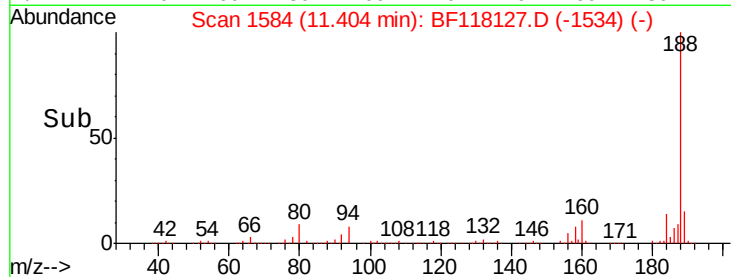
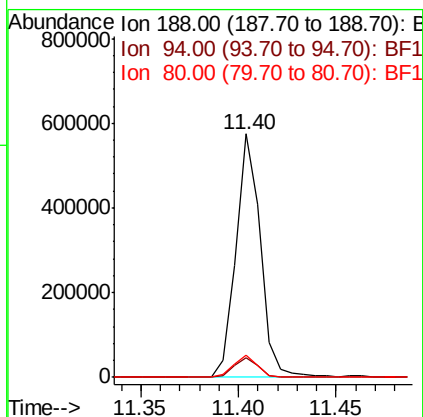
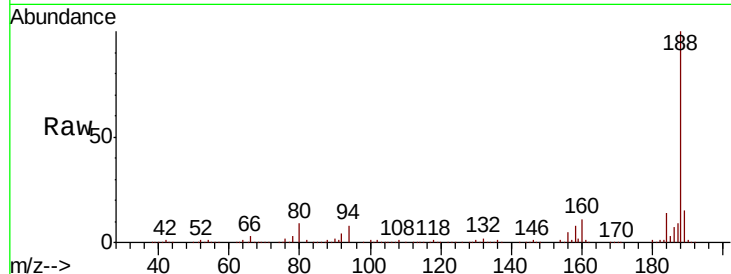
Time-->



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

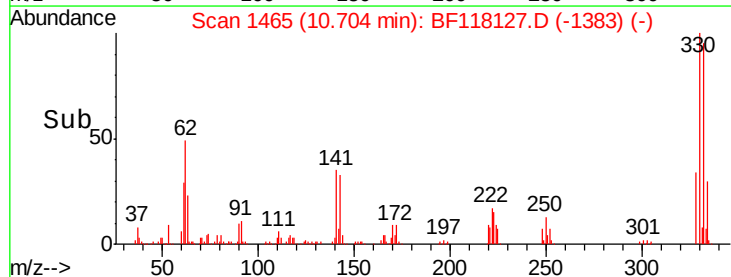
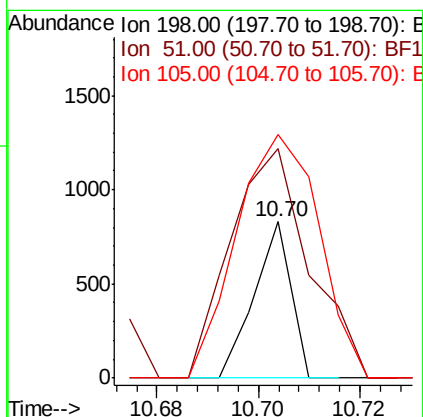
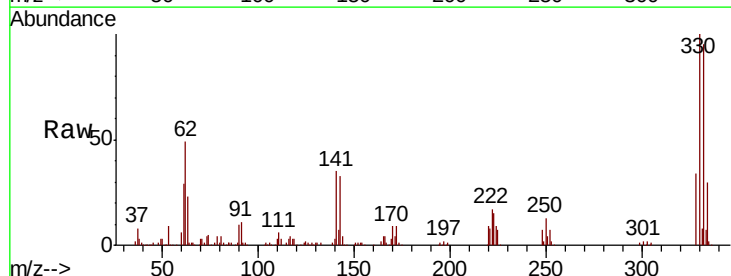
Instrument :
 BNA_F
 ClientSampleId :

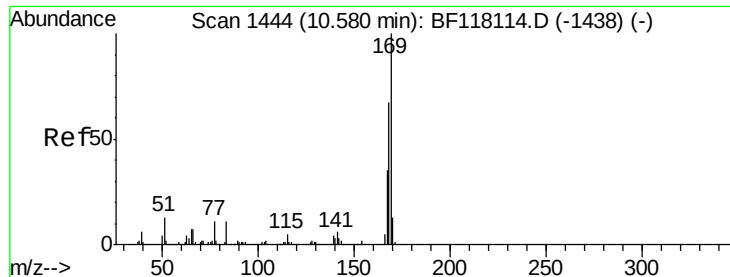
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.1	10.7
80	9.0	7.9	11.9



#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.150 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
198	100		
51	147.2	22.0	62.0#
105	156.2	25.6	65.6#

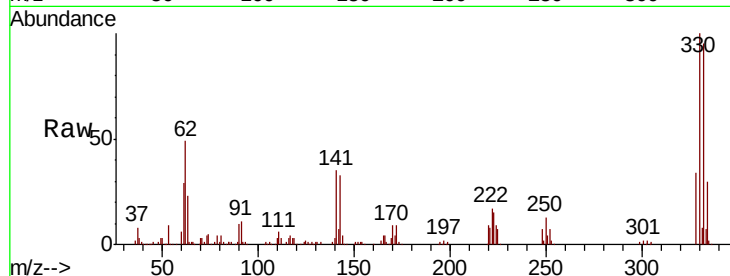




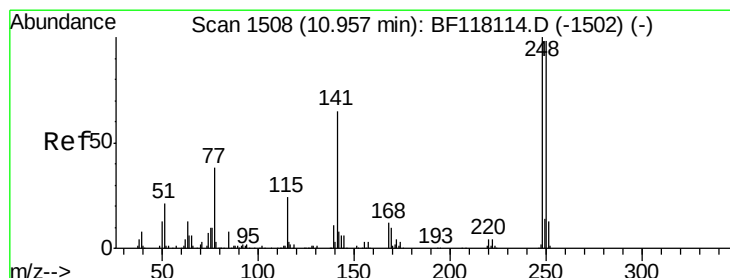
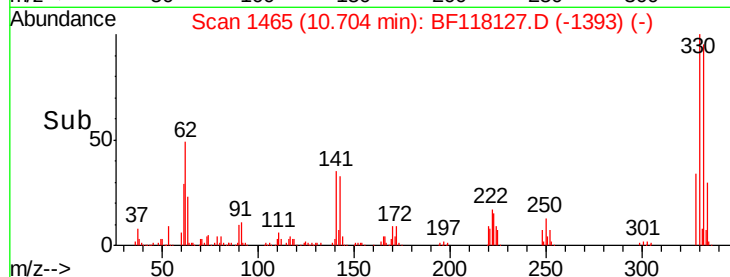
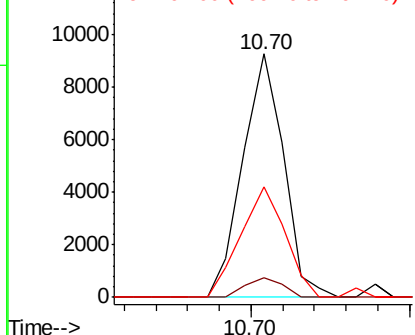
#66
 n-Nitrosodiphenylamine
 Concen: 0.530 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.12 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 8285
 Ion Ratio Lower Upper
 169 100
 168 7.9 53.4 80.2#
 167 45.4 28.4 42.6#

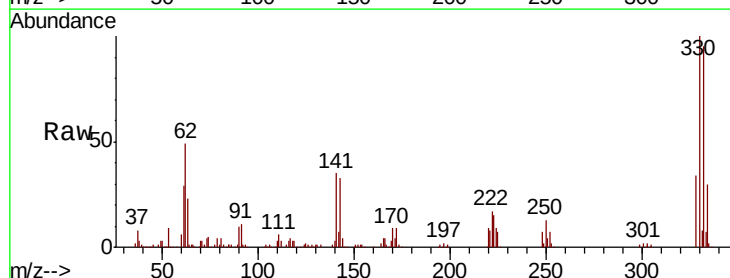


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

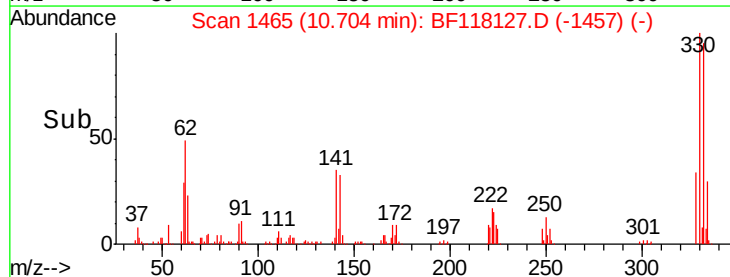
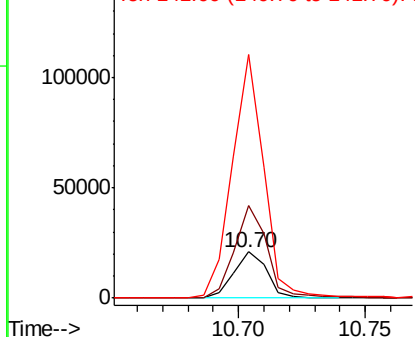


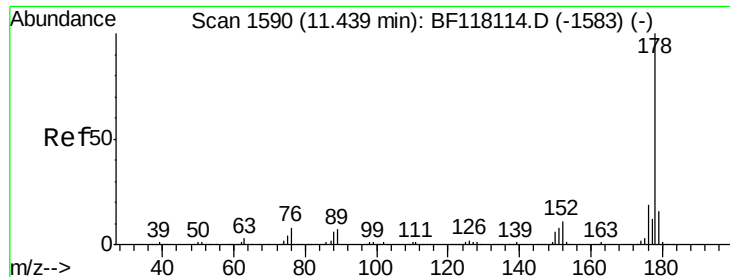
#67
 4-Bromophenyl-phenylether
 Concen: 3.313 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion:248 Resp: 18920
 Ion Ratio Lower Upper
 248 100
 250 199.7 78.3 117.5#
 141 524.5 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: 0.033 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampled :

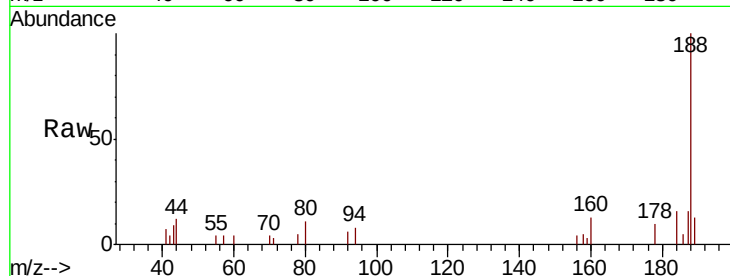
Tot Ion:178 Resp: 866

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

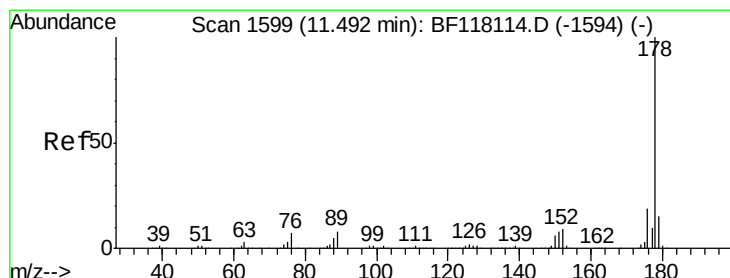
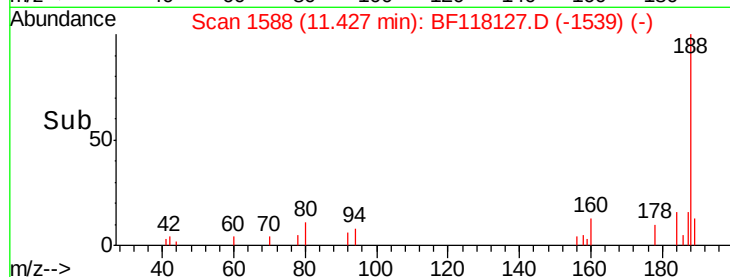
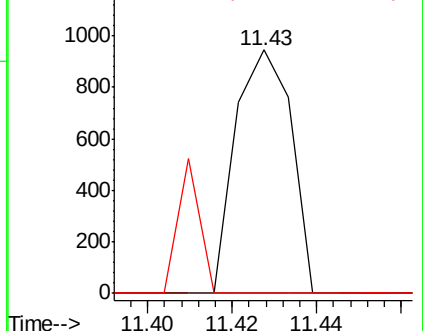
179 0.0 12.6 18.8#



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: 0.033 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.06 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

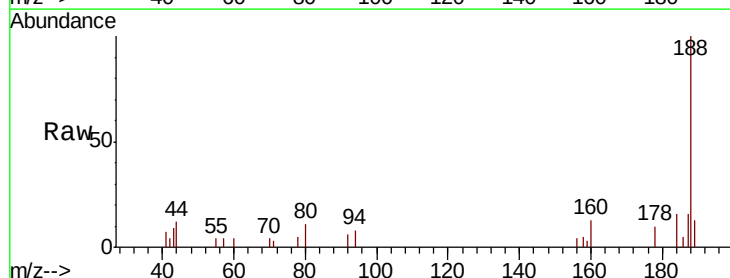
Tgt Ion:178 Resp: 866

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

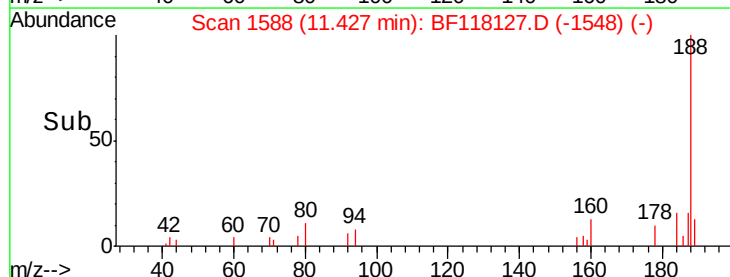
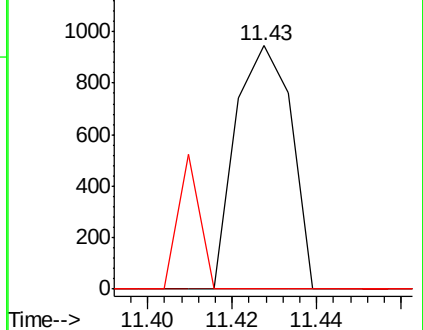
179 0.0 12.2 18.4#

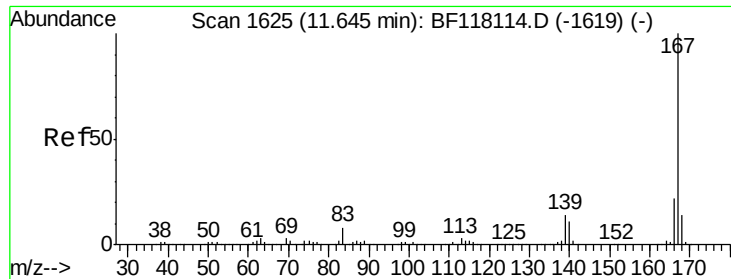


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

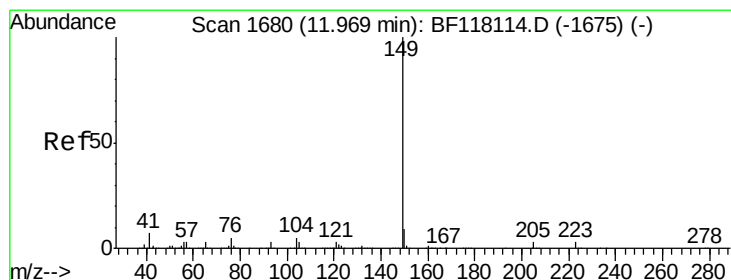
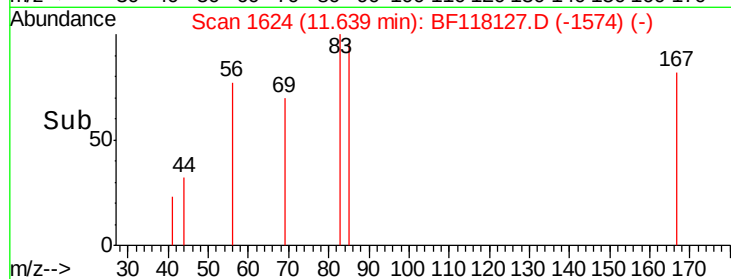
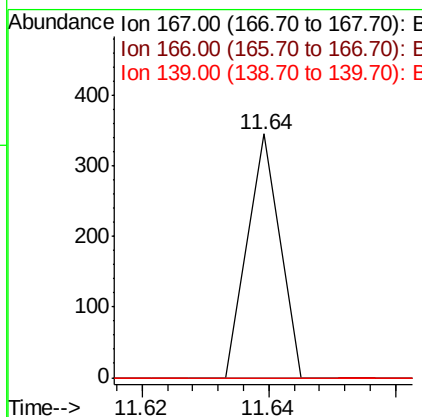
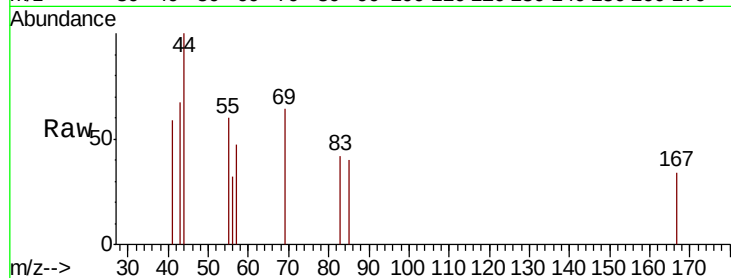




#73
 Carbazole
 Concen: 0.005 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

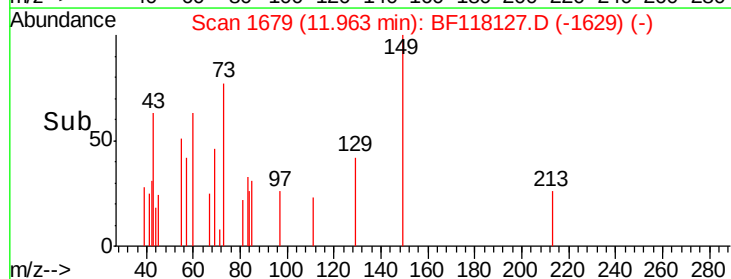
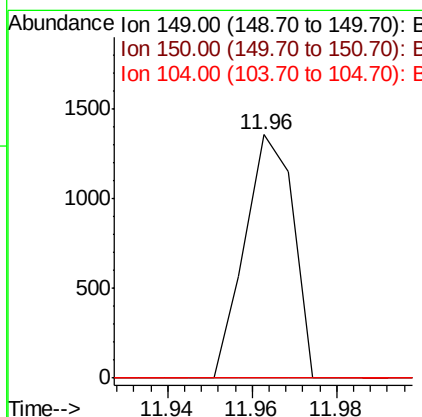
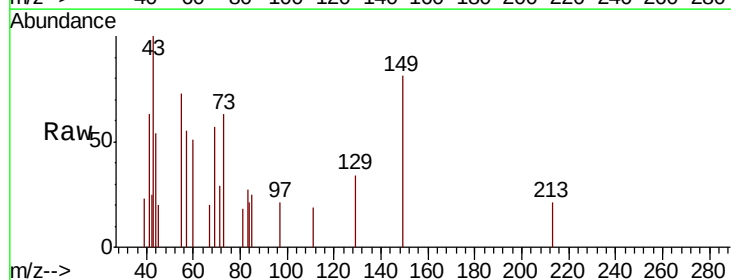
Instrument :
 BNA_F
 ClientSampleId :

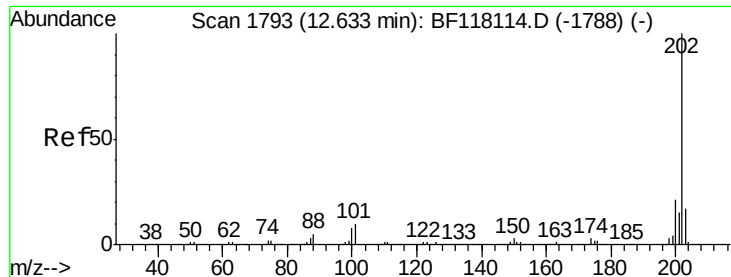
Tot Ion	Ratio	Lower	Upper
167	100		
166	0.0	17.4	26.2#
139	0.0	11.4	17.0#



#74
 Di-n-butylphthalate
 Concen: 0.036 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.4	11.2#
104	0.0	4.3	6.5#

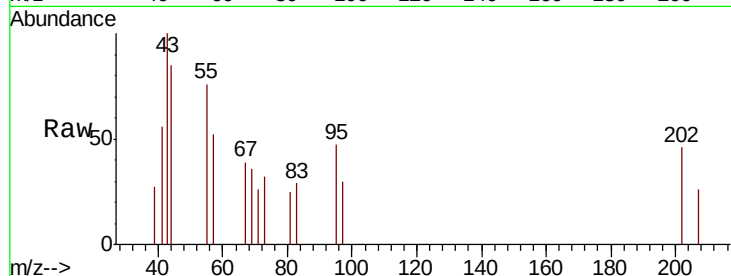




#75
Fluoranthene
Concen: 0.013 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.4
203	0.0	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

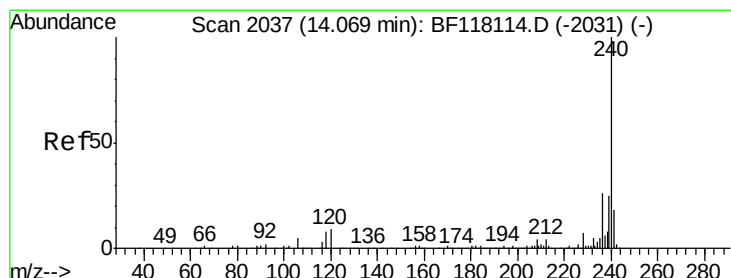
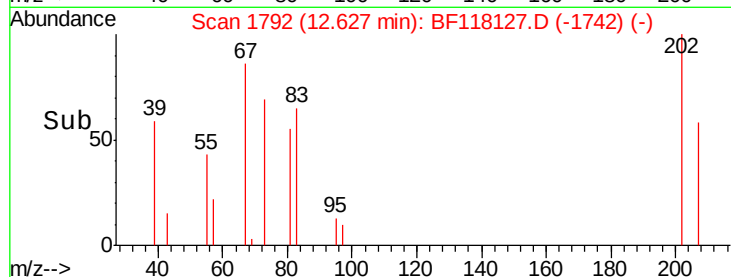
12.63

400

200

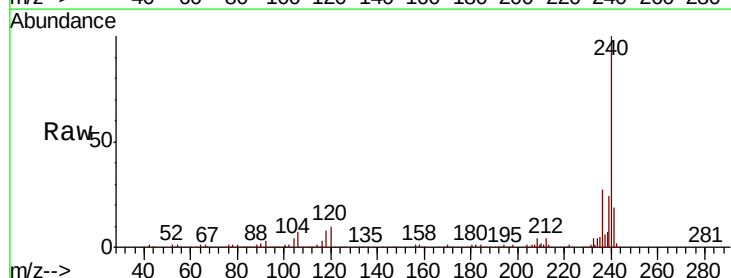
0

Time--> 12.60 12.62 12.64



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.1	10.7
236	26.8	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.06

400000

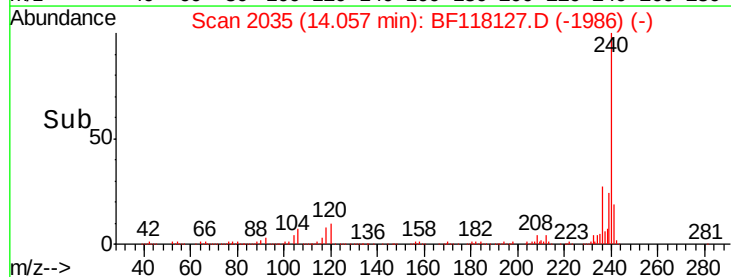
300000

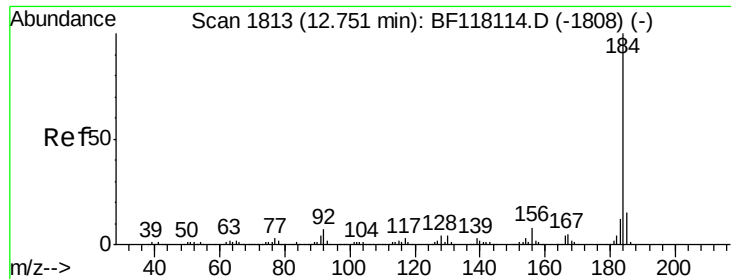
200000

100000

0

Time--> 14.00 14.10





#77

Benzidine

Concen: 0.391 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

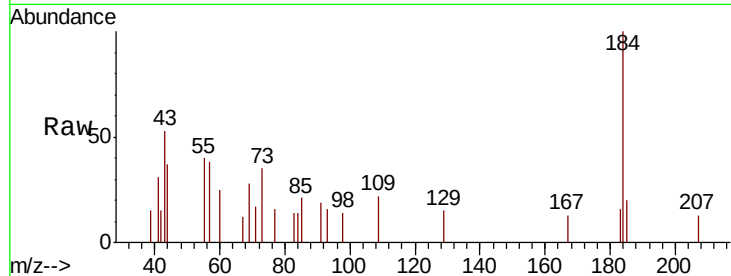
Tot Ion:184 Resp: 3722

Ion Ratio Lower Upper

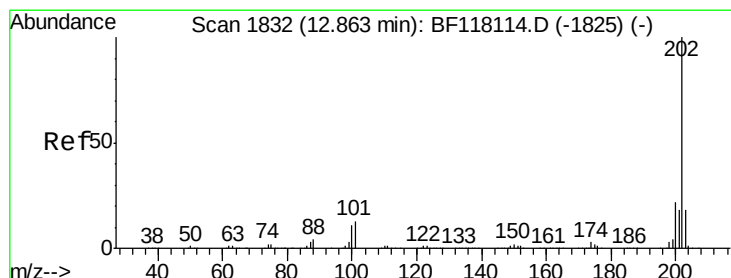
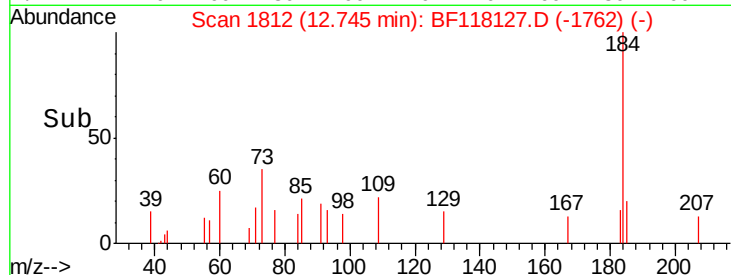
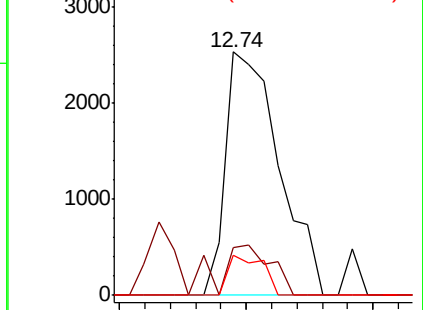
184 100

185 19.6 12.3 18.5#

183 16.3 9.9 14.9#



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: 0.006 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

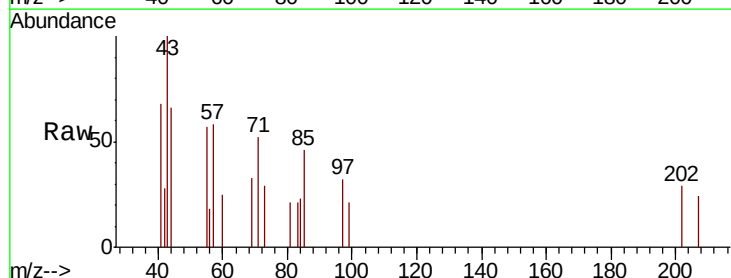
Tgt Ion:202 Resp: 171

Ion Ratio Lower Upper

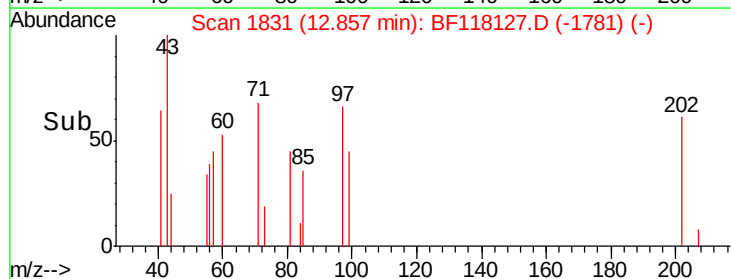
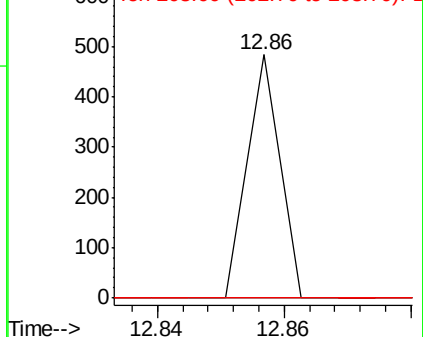
202 100

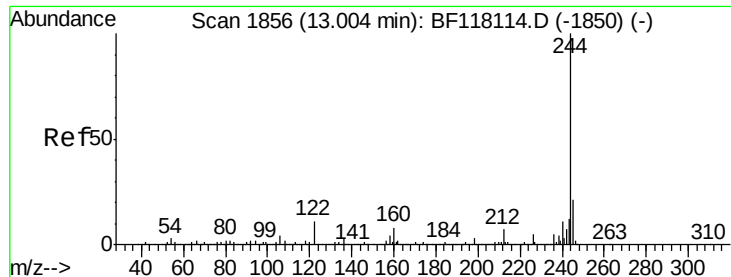
200 0.0 17.5 26.3#

203 0.0 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: 67.743 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

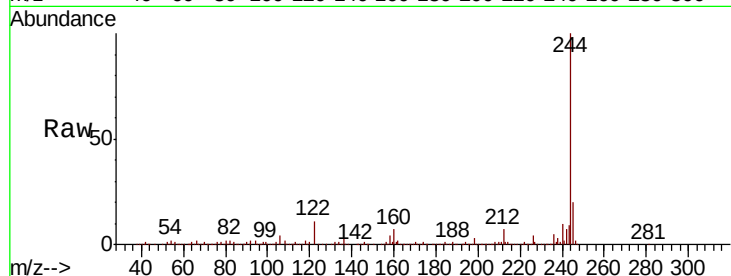
Tot Ion:244 Resp: 1425557

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

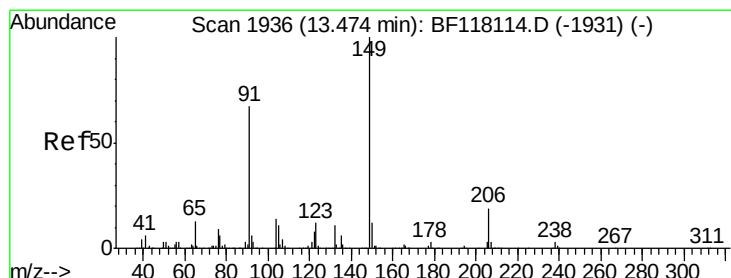
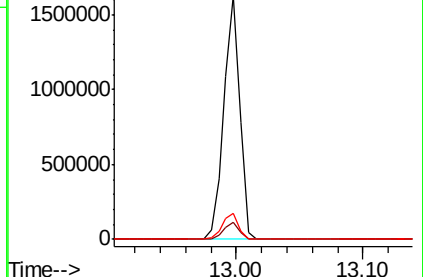
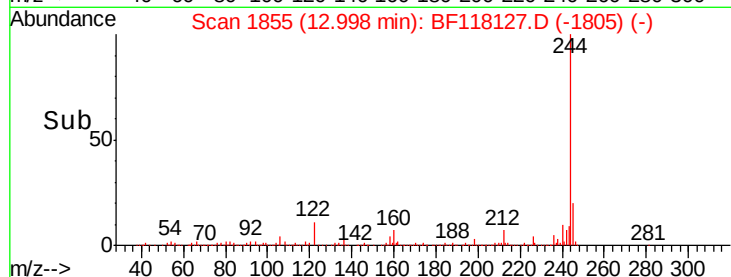
122 10.9 9.0 13.6



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: 0.011 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

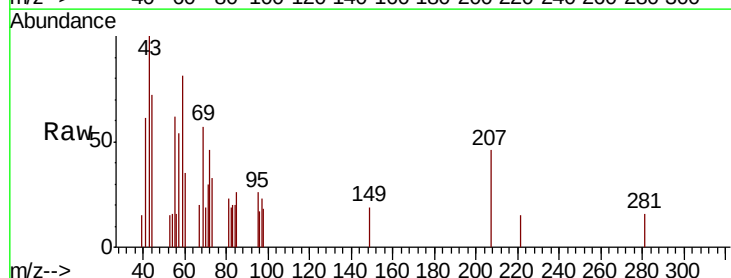
Tgt Ion:149 Resp: 137

Ion Ratio Lower Upper

149 100

91 0.0 53.9 80.9#

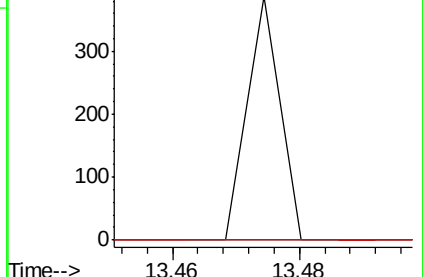
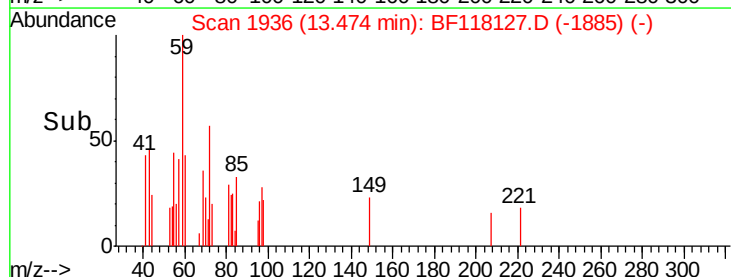
206 0.0 15.2 22.8#

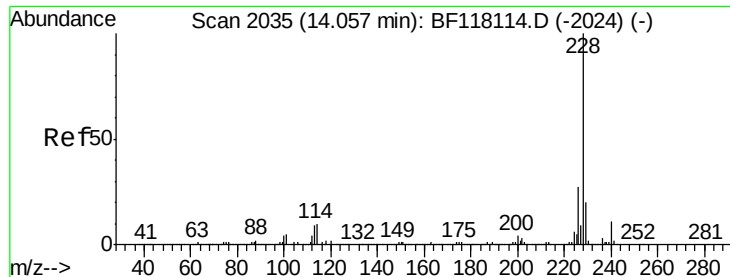


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.053 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampled :

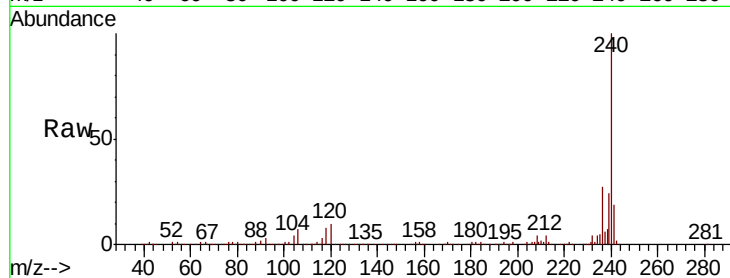
Tot Ion:228 Resp: 1317

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

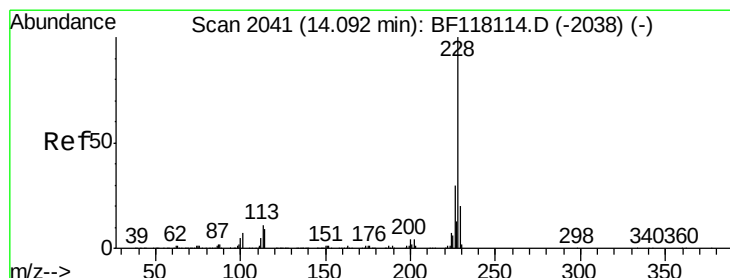
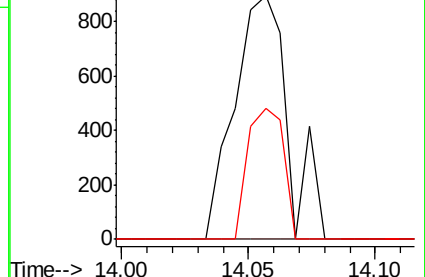
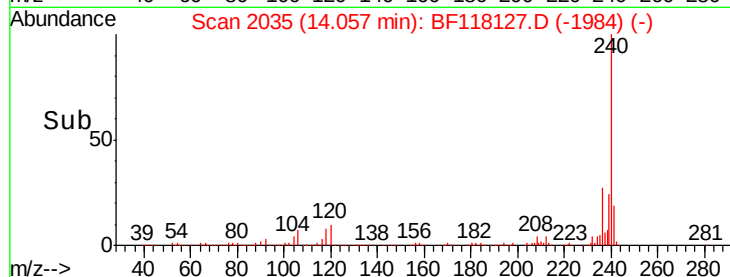
229 53.7 15.8 23.8#



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: 0.055 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.04 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

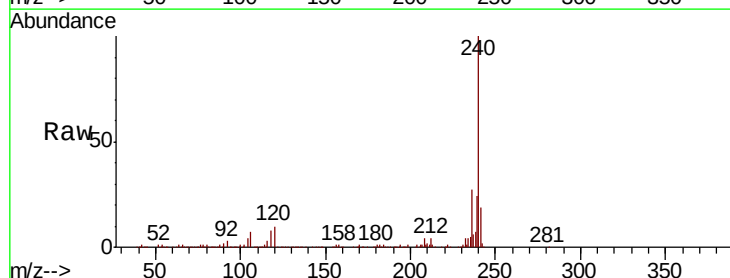
Tgt Ion:228 Resp: 1317

Ion Ratio Lower Upper

228 100

226 0.0 23.8 35.8#

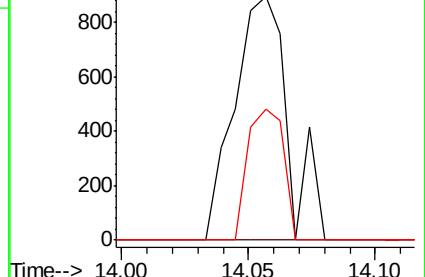
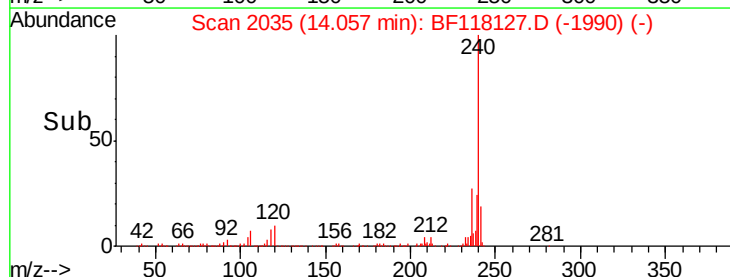
229 53.7 15.7 23.5#

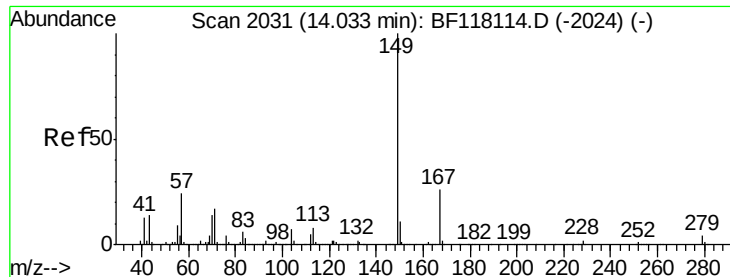


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

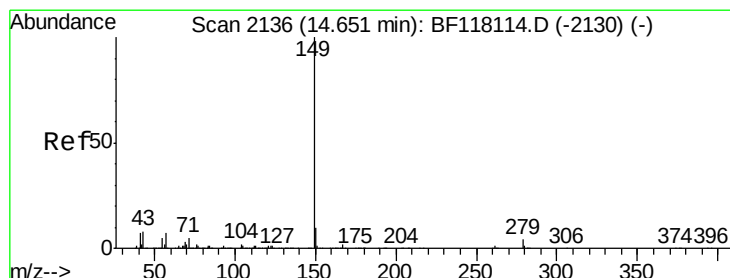
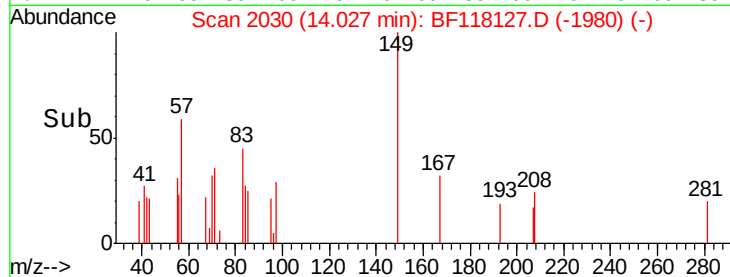
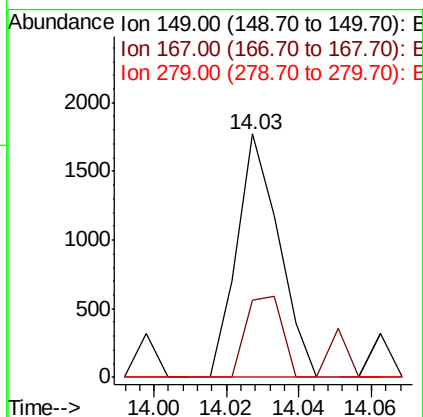
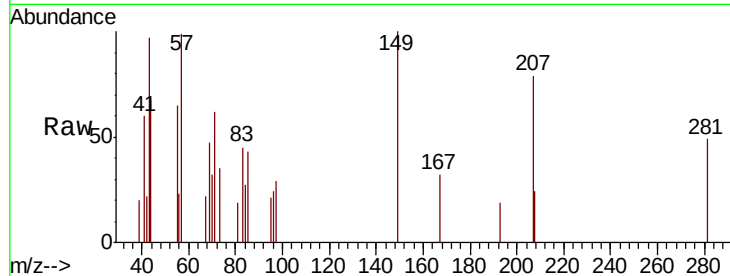




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.084 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

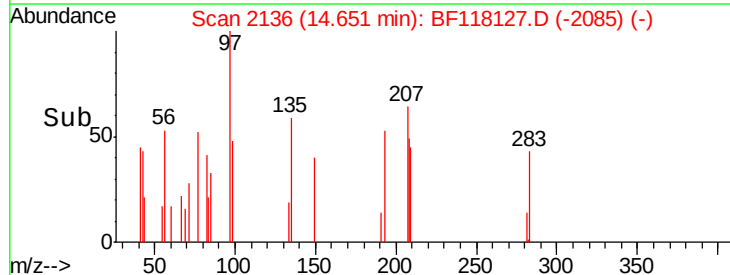
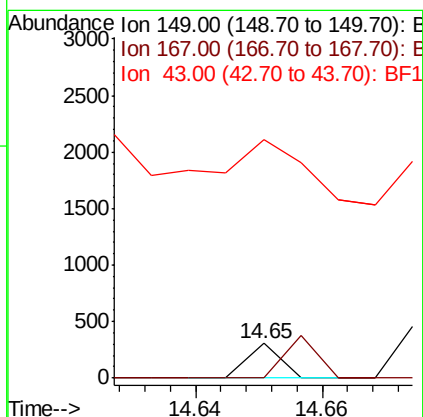
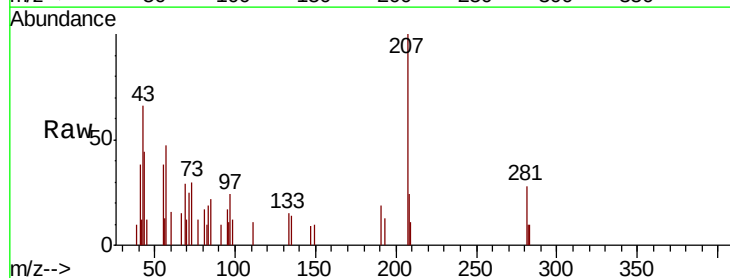
Instrument :
 BNA_F
 ClientSampleId :

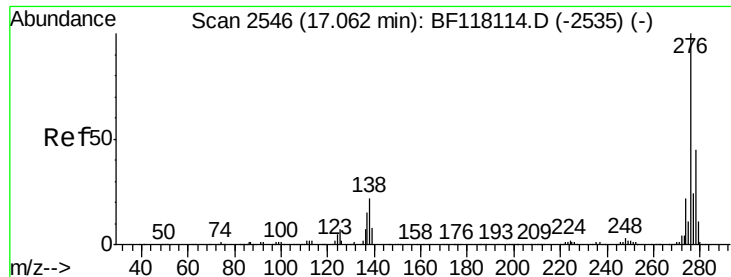
Tot Ion:149 Resp: 1428
 Ion Ratio Lower Upper
 149 100
 167 31.7 20.8 31.2#
 279 0.0 2.9 4.3#



#85
 Di-n-octyl phthalate
 Concen: 0.004 ng
 RT: 14.65 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: BF118127.D
 Acq: 7 Dec 2019 14:21

Tgt Ion:149 Resp: 108
 Ion Ratio Lower Upper
 149 100
 167 122.2 1.3 1.9#
 43 0.0 6.5 9.7#

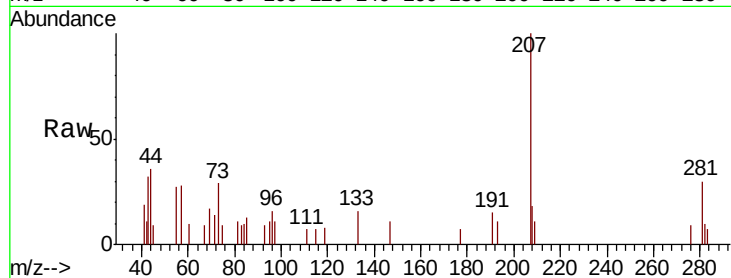




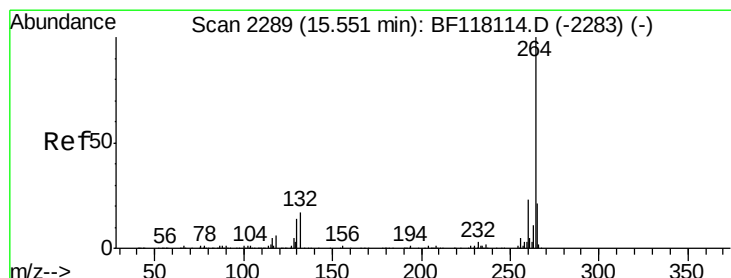
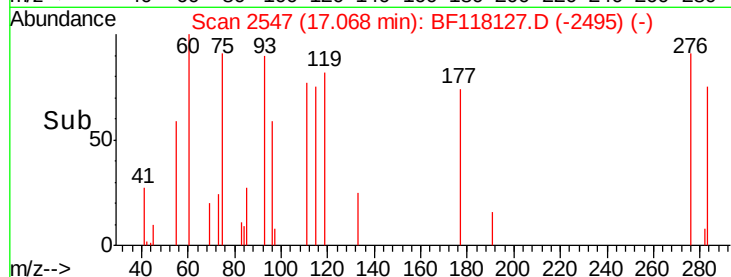
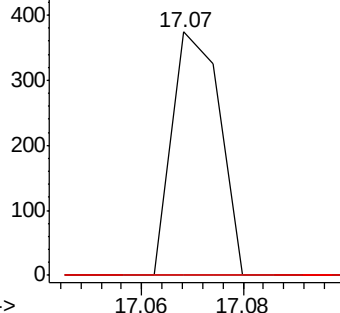
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.012 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 247
Ion Ratio Lower Upper
276 100
138 0.0 18.9 28.3#
277 0.0 20.4 30.6#

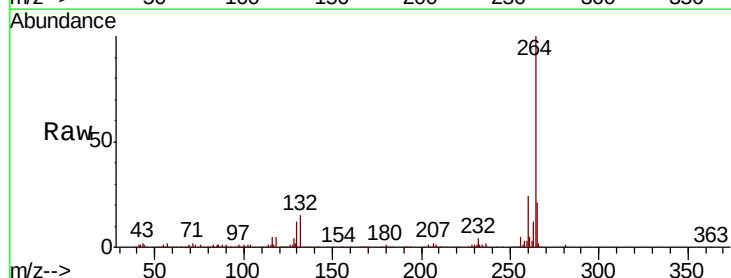


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

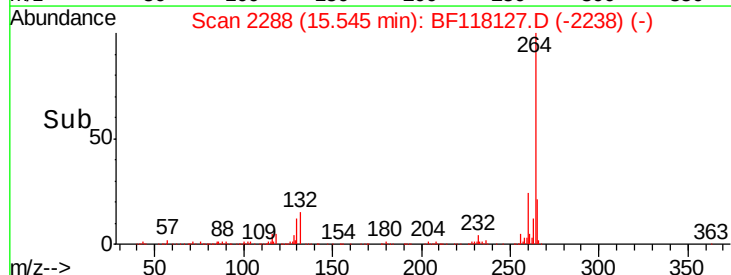
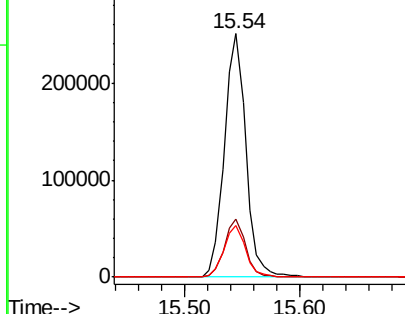


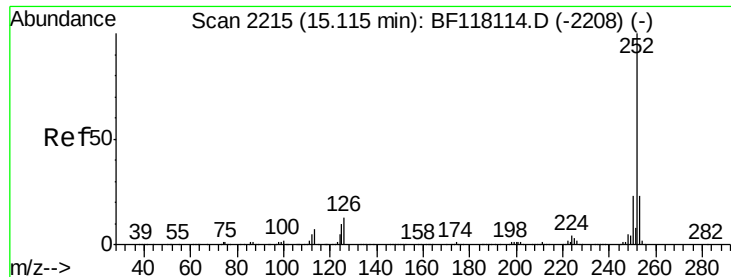
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion:264 Resp: 324026
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 21.4 16.8 25.2



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

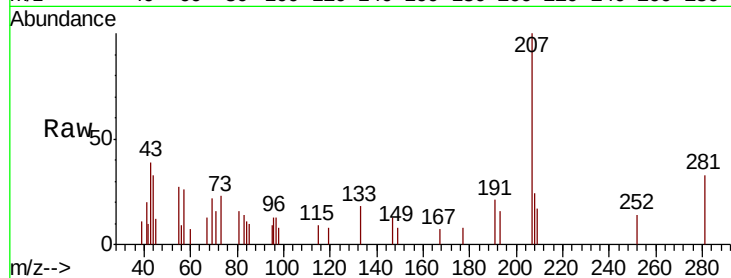




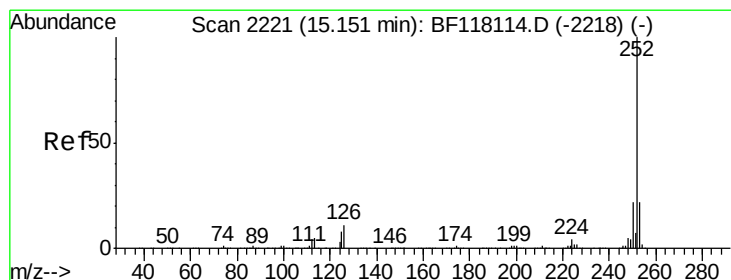
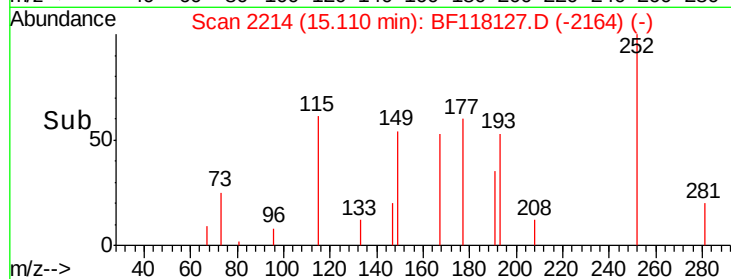
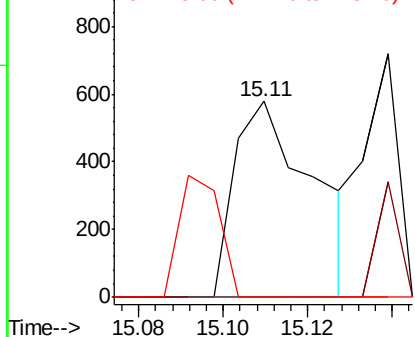
#88
Benzo(b)fluoranthene
Concen: 0.035 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 742
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.4#
125 0.0 8.3 12.5#

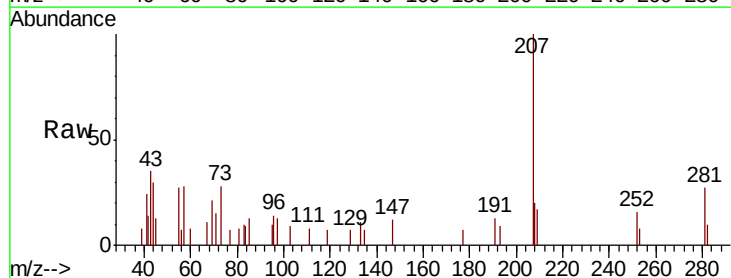


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

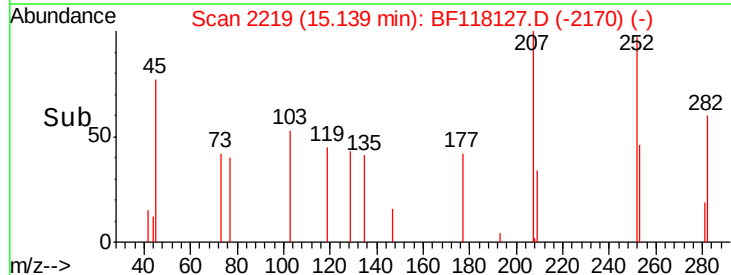
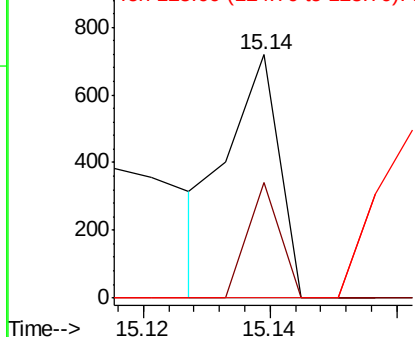


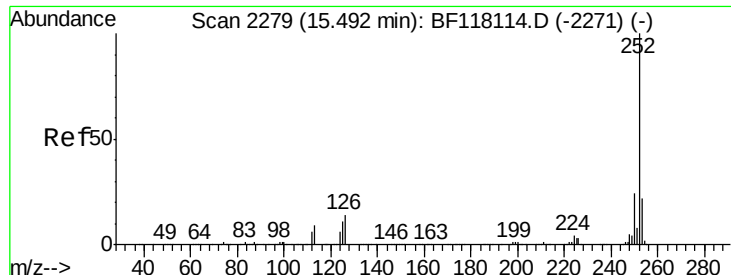
#89
Benzo(k)fluoranthene
Concen: 0.019 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118127.D
Acq: 7 Dec 2019 14:21

Tgt Ion:252 Resp: 396
Ion Ratio Lower Upper
252 100
253 47.7 17.6 26.4#
125 0.0 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: 0.006 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.02 min

Lab File: BF118127.D

Acq: 7 Dec 2019 14:21

Instrument :

BNA_F

ClientSampleId :

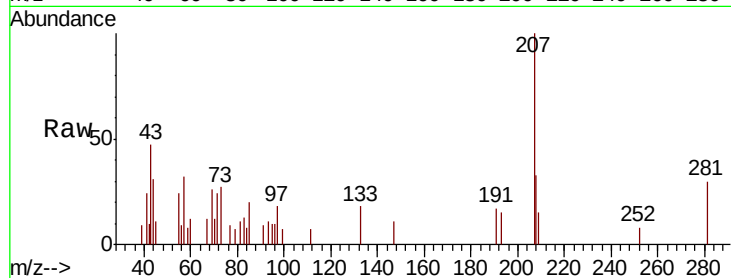
Tot Ion:252 Resp: 119

Ion Ratio Lower Upper

252 100

253 0.0 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

