

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118142.D
 Acq On : 7 Dec 2019 21:17
 Operator : JU
 Sample : K6119-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 05:47:20 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	142212	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	566157	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	288132	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	445473	20.00	ng	0.00
76) Chrysene-d12	14.06	240	274502	20.00	ng	-0.01
87) Perylene-d12	15.55	264	253195	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	393136	48.42	ng	0.00
7) Phenol-d6	6.49	99	491749	50.07	ng	0.00
23) Nitrobenzene-d5	7.43	82	289836	28.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	133166	38.04	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	625815	33.05	ng	-0.01
79) Terphenyl-d14	12.99	244	528212	33.09	ng	-0.01

Target Compounds				Qvalue		
6) Aniline	6.50	93	271	0.022	ng	# 1
9) Benzaldehyde	6.49	77	710	Below Cal		# 1
10) Phenol	6.50	94	9412	0.840	ng	# 83
11) bis(2-Chloroethyl)ether	6.63	93	581	0.072	ng	# 1
15) Benzyl Alcohol	7.02	79	5332	0.696	ng	# 49
19) n-Nitroso-di-n-propylamine	7.43	70	38918	6.521	ng	# 77
22) Acetophenone	7.27	105	235	0.017	ng	# 49
24) Nitrobenzene	7.43	77	985	0.100	ng	# 36
25) Isophorone	7.43	82	289831	16.989	ng	# 62
31) Naphthalene	8.17	128	2649	0.093	ng	# 87
32) Benzoic acid	8.15	122	118	0.019	ng	# 1
33) 4-Chloroaniline	8.17	127	229	0.019	ng	# 45
37) 2-Methylnaphthalene	8.87	142	1604	0.083	ng	# 90
38) 1-Methylnaphthalene	8.97	142	997	0.055	ng	# 58
46) 1,1'-Biphenyl	9.33	154	1360	0.060	ng	# 89
47) 2-Chloronaphthalene	9.53	162	442	0.024	ng	# 38
48) 2-Nitroaniline	9.62	65	1042	0.200	ng	# 1
49) Acenaphthylene	9.77	152	1258	0.047	ng	# 58
50) Dimethylphthalate	9.63	163	103260	4.852	ng	# 100
51) 2,6-Dinitrotoluene	9.92	165	36469	7.880	ng	# 27
52) Acenaphthene	9.94	154	310	0.019	ng	# 57
55) Dibenzofuran	10.12	168	252	0.010	ng	# 42
57) 2,4-Dinitrotoluene	9.92	165	36469	5.904	ng	# 25
58) Fluorene	10.46	166	545	0.028	ng	# 71
60) Diethylphthalate	10.33	149	514	0.025	ng	# 60
63) Azobenzene	10.59	77	108	0.006	ng	# 49
65) 4,6-Dinitro-2-methylphenol	10.70	198	142	0.058	ng	# 1
66) n-Nitrosodiphenylamine	10.70	169	3804	0.273	ng	# 44
67) 4-Bromophenyl-phenylether	10.70	248	8216	1.616	ng	# 1
71) Phenanthrene	11.43	178	5339	0.225	ng	# 96
72) Anthracene	11.43	178	5339	0.226	ng	# 95
73) Carbazole	11.64	167	647	0.031	ng	# 58
74) Di-n-butylphthalate	11.96	149	1610	0.061	ng	# 78
75) Fluoranthene	12.62	202	6784	0.280	ng	# 85

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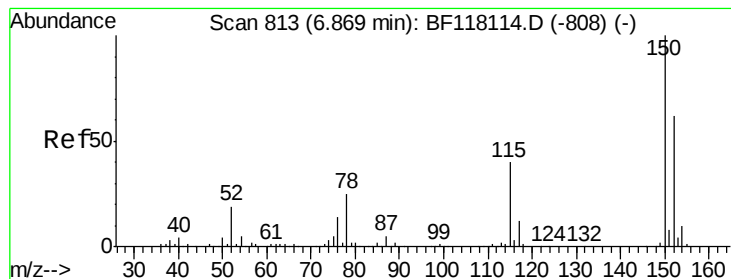
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 05:47:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Benzidine	12.59	184	337	0.047	nq	# 66
78) Pyrene	12.85	202	7797	0.360	nq	97
80) Butylbenzylphthalate	13.44	149	190	0.019	nq	# 26
81) Benzo(a)anthracene	14.04	228	4505	0.237	nq	# 71
82) 3,3'-Dichlorobenzidine	13.98	252	1377	0.221	nq	# 67
83) Chrysene	14.08	228	6276	0.346	nq	# 74
84) Bis(2-ethylhexyl)phthalate	14.03	149	2877	0.223	nq	# 82
85) Di-n-octyl phthalate	14.59	149	519	0.027	nq	# 47
86) Indeno(1,2,3-cd)pyrene	17.04	276	2024	0.133	nq	# 84
88) Benzo(b)fluoranthene	15.11	252	7633	0.456	nq	# 12
89) Benzo(k)fluoranthene	15.11	252	7633	0.474	nq	# 10
90) Benzo(a)pyrene	15.49	252	3441	0.233	nq	# 1
91) Dibenzo(a,h)anthracene	17.05	278	1584	0.125	nq	# 1
92) Benzo(q,h,i)perylene	17.51	276	2502	0.205	nq	# 12

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

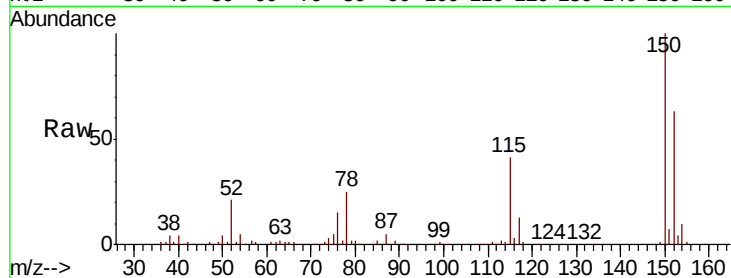


#1

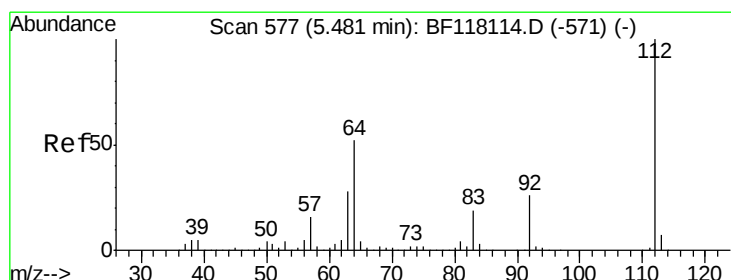
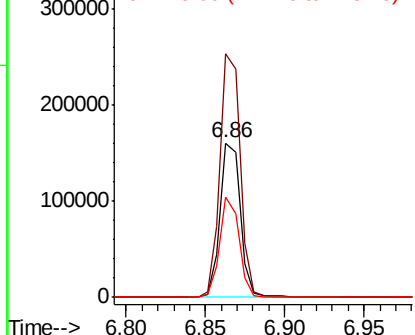
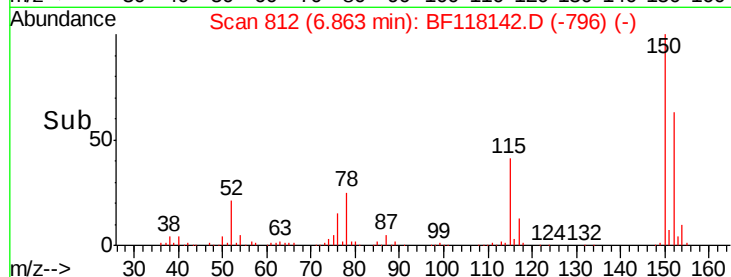
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 142212
 Ion Ratio Lower Upper
 152 100
 150 157.8 128.3 192.5
 115 65.1 51.1 76.7



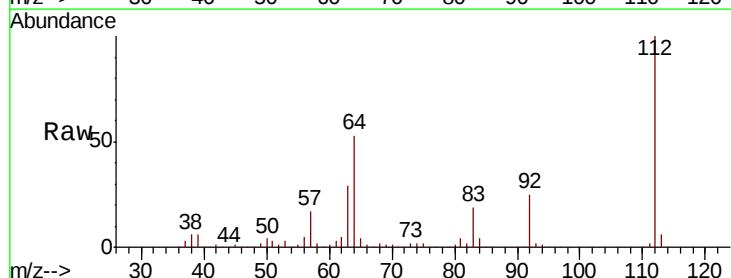
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



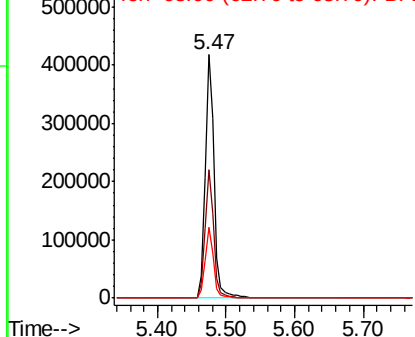
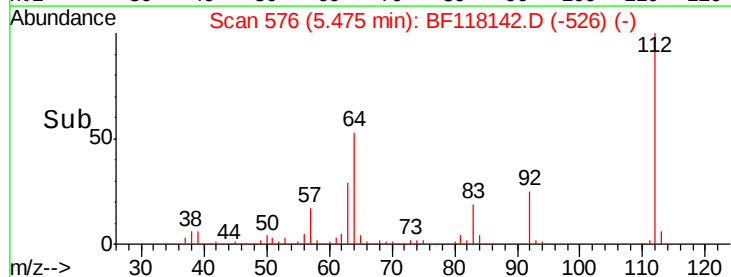
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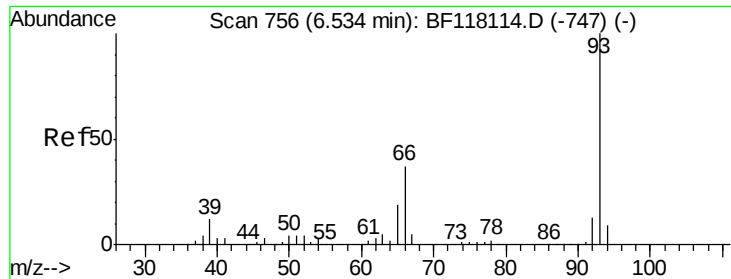
2-Fluorophenol
 Concen: 48.418 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion:112 Resp: 393136
 Ion Ratio Lower Upper
 112 100
 64 52.6 41.3 61.9
 63 29.0 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: 0.022 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

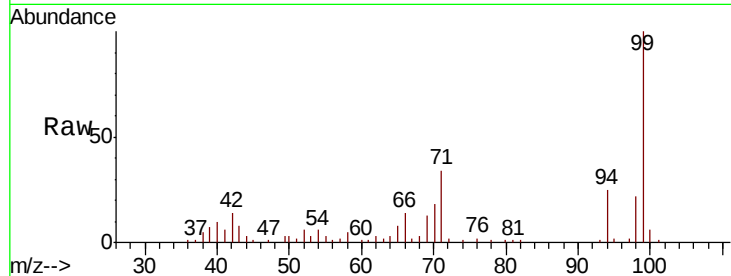
Tot Ion: 93 Resp: 271

Ion Ratio Lower Upper

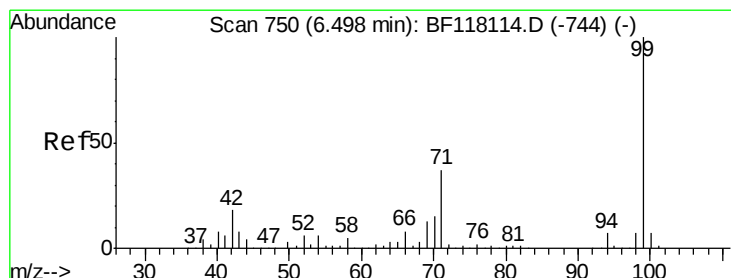
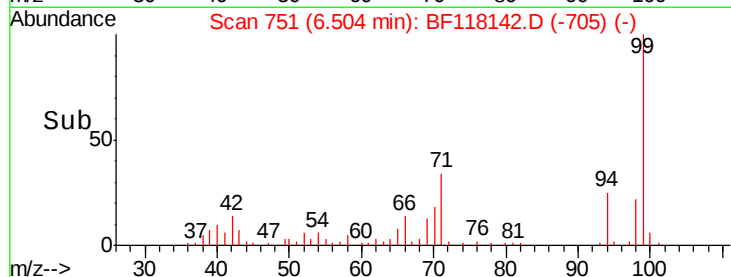
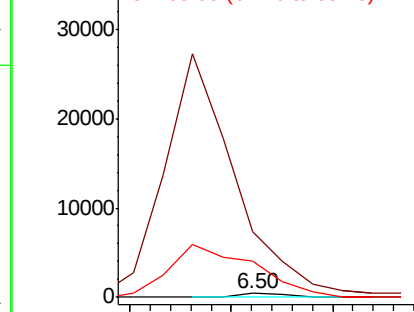
93 100

66 1616.3 30.2 45.2#

65 878.4 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: 50.072 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

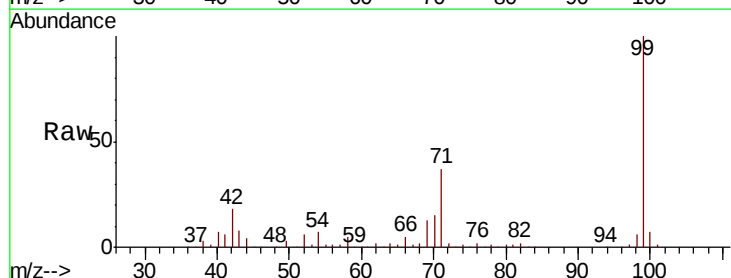
Tgt Ion: 99 Resp: 491749

Ion Ratio Lower Upper

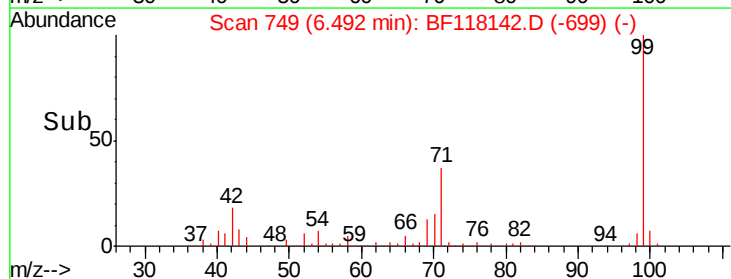
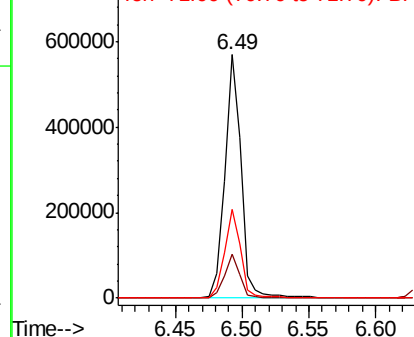
99 100

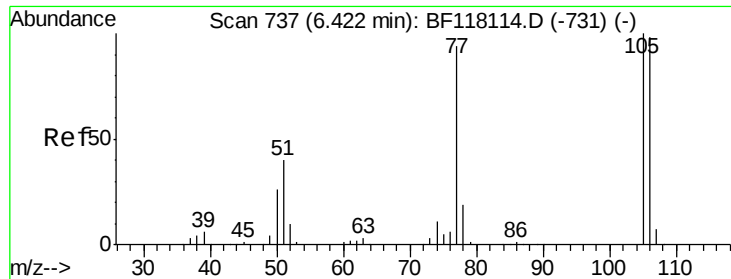
42 17.8 14.1 21.1

71 36.7 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





#9

Benzaldehyde

Concen: Below Cal

RT: 6.49 min Scan# 749

Delta R.T. 0.07 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

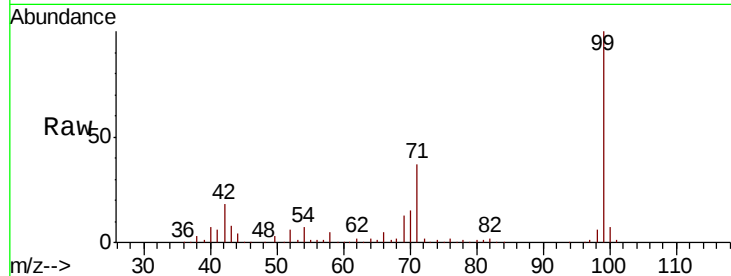
Tot Ion: 77 Resp: 710

Ion Ratio Lower Upper

77 100

105 0.0 86.4 126.4#

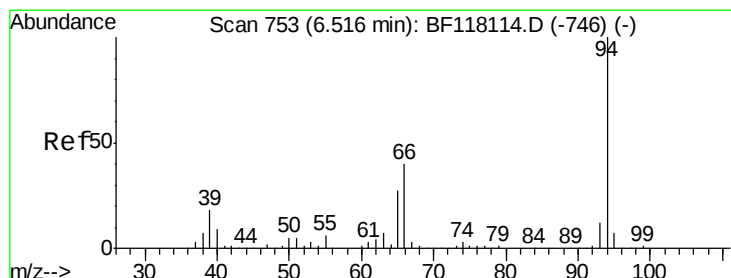
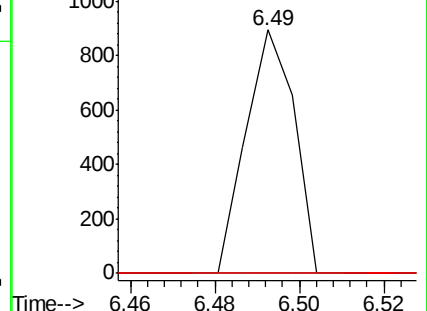
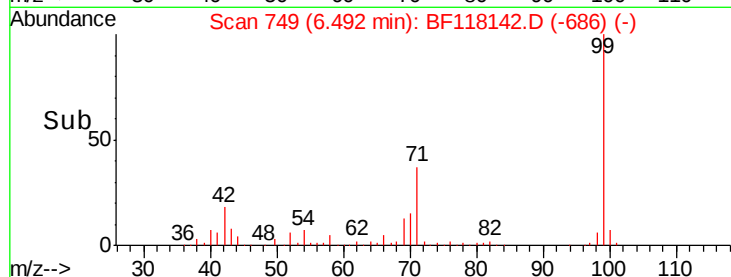
106 0.0 83.8 123.8#



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: 0.840 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

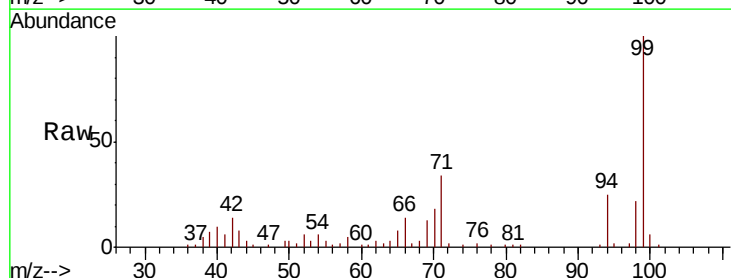
Tgt Ion: 94 Resp: 9412

Ion Ratio Lower Upper

94 100

65 30.2 7.3 47.3

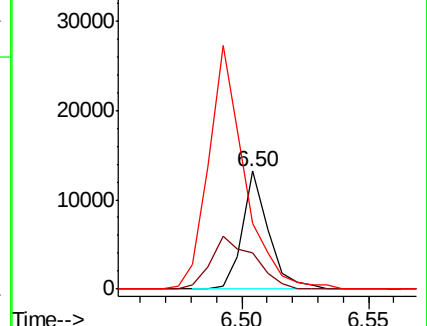
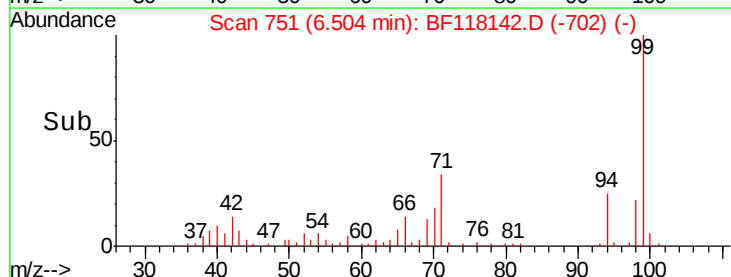
66 55.6 20.2 60.2

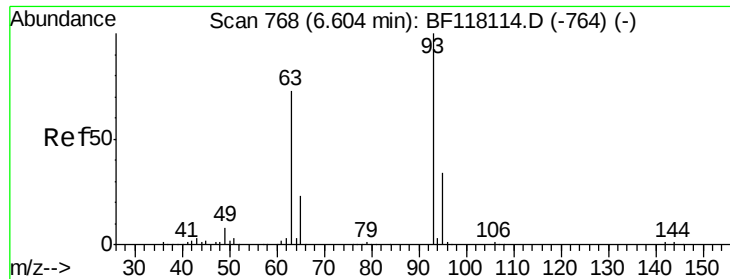


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

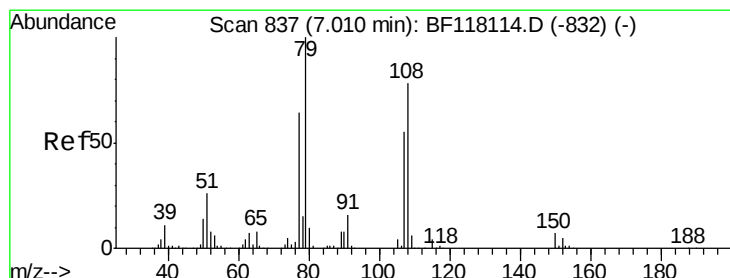
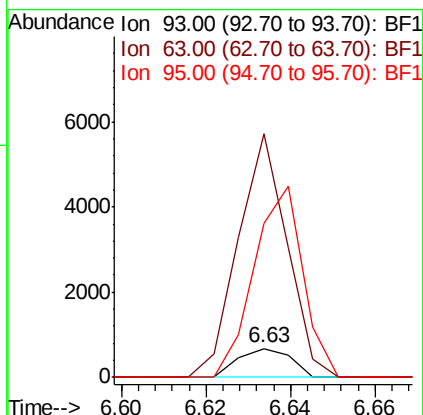
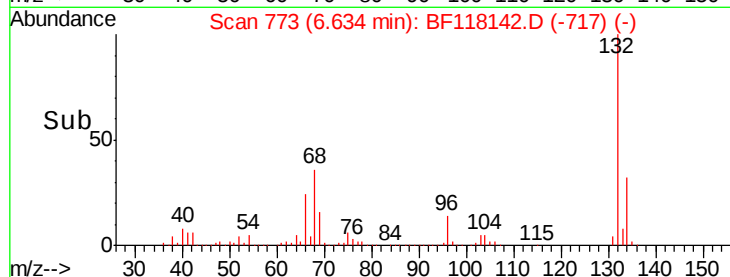
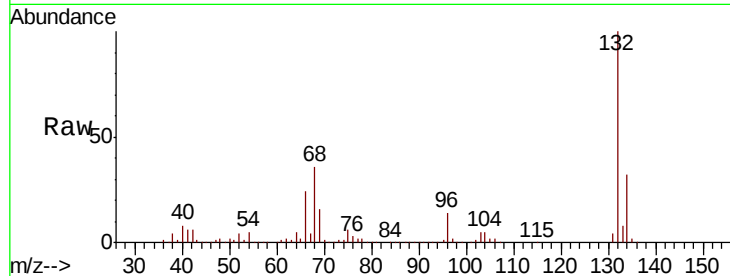




#11
bis(2-Chloroethyl)ether
Concen: 0.072 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.03 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

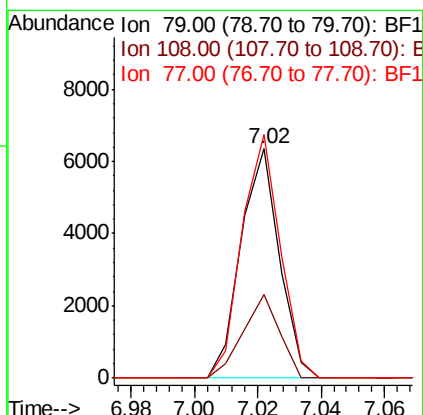
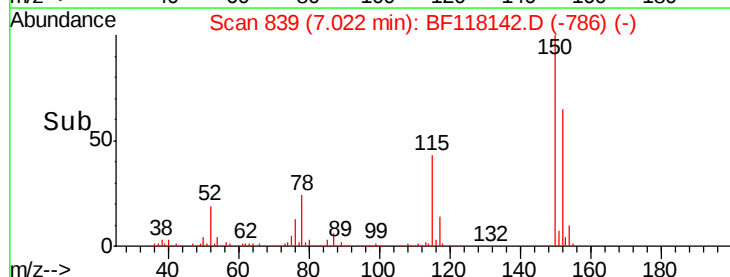
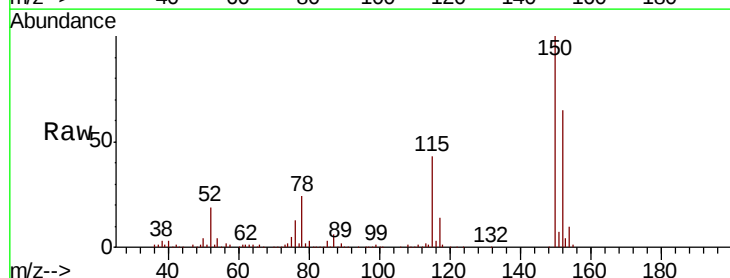
Instrument :
BNA_F
ClientSampleId :

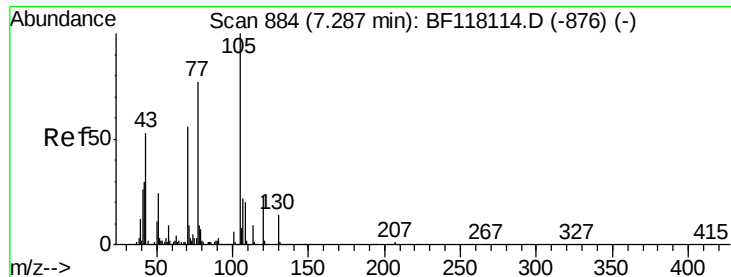
Tot Ion: 93 Resp: 581
Ion Ratio Lower Upper
93 100
63 839.1 53.2 93.2#
95 529.8 13.8 53.8#



#15
Benzyl Alcohol
Concen: 0.696 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion: 79 Resp: 5332
Ion Ratio Lower Upper
79 100
108 36.3 62.7 94.1#
77 106.3 51.4 77.2#

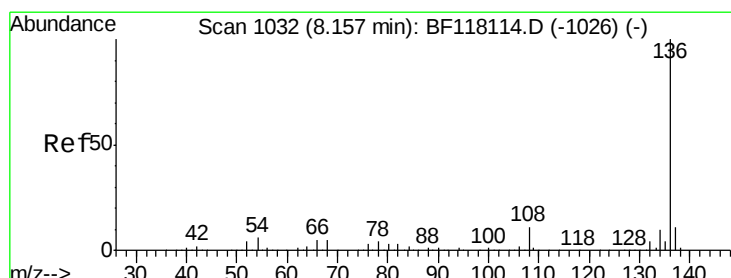
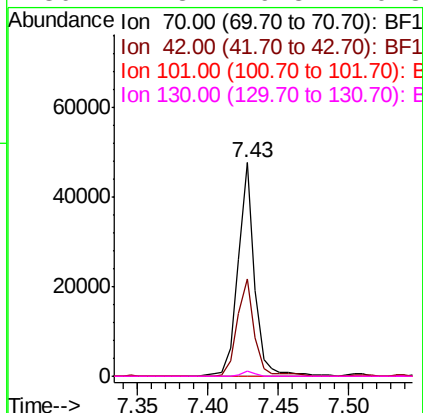
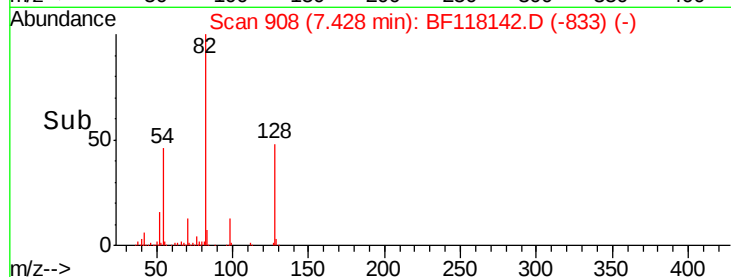
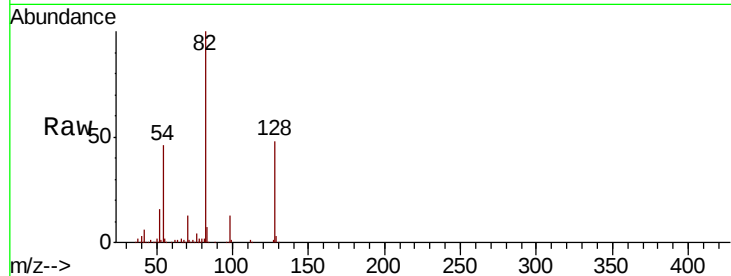




#19
n-Nitroso-di-n-propylamine
Concen: 6.521 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

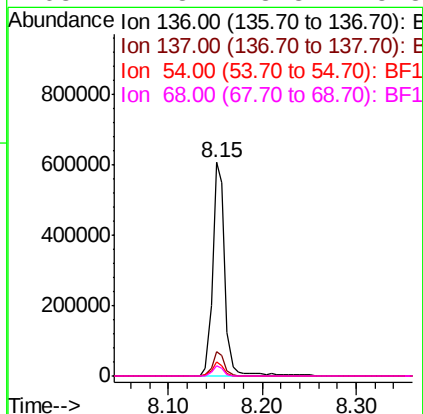
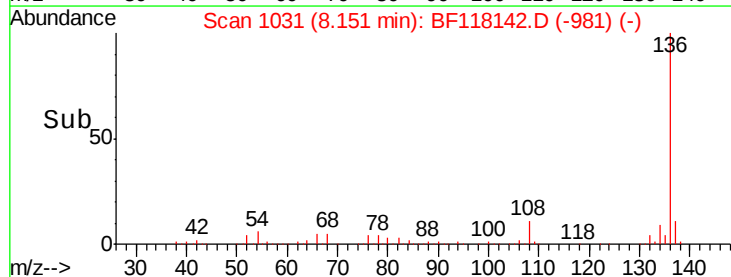
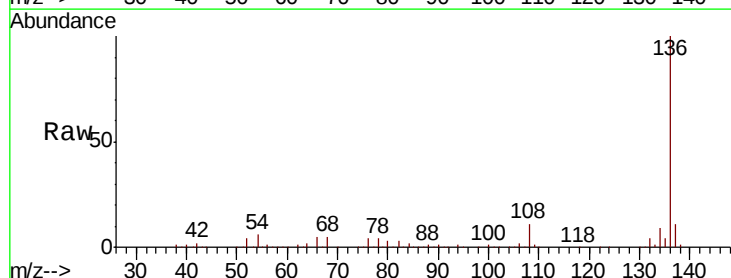
Instrument :
BNA_F
ClientSampleId :

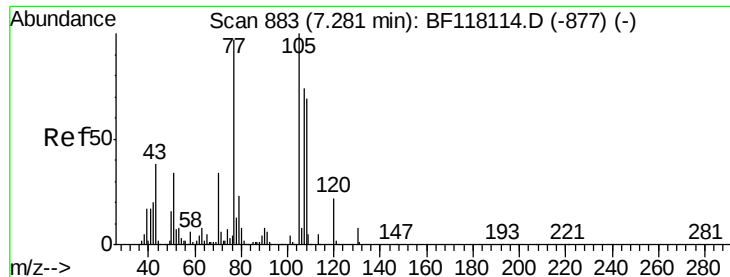
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.6	43.2	64.8
101	0.0	8.1	12.1
130	2.3	19.8	29.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	6.4	5.0	7.6
68	4.8	3.8	5.8





#22

Acetophenone

Concen: 0.017 ng

RT: 7.27 min Scan# 881

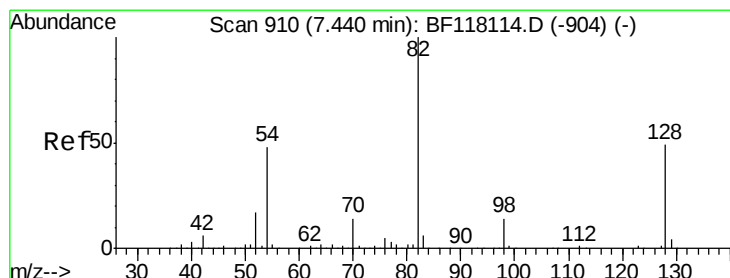
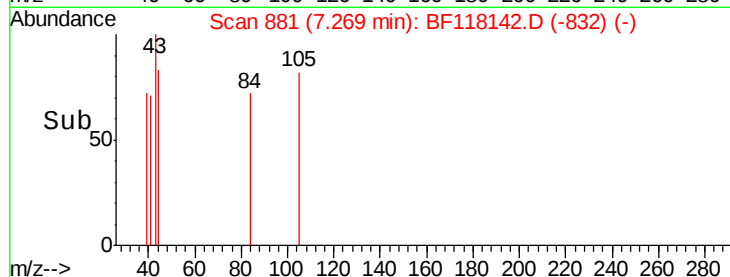
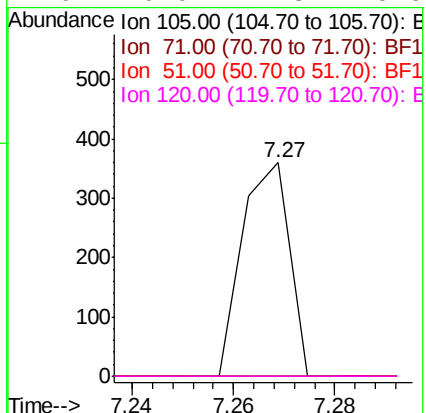
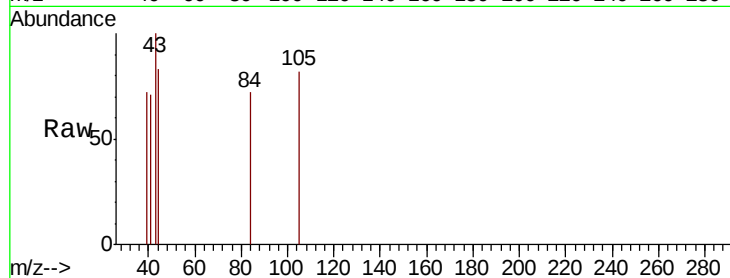
Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:	105	Resp:	235
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: 28.800 ng

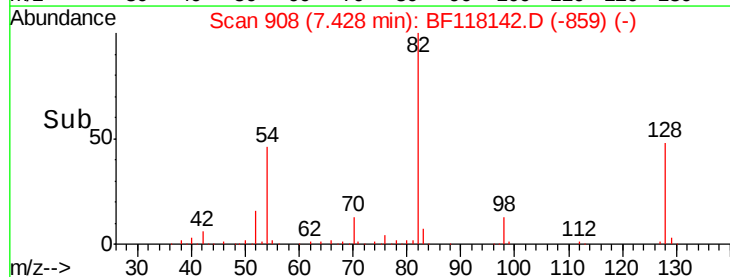
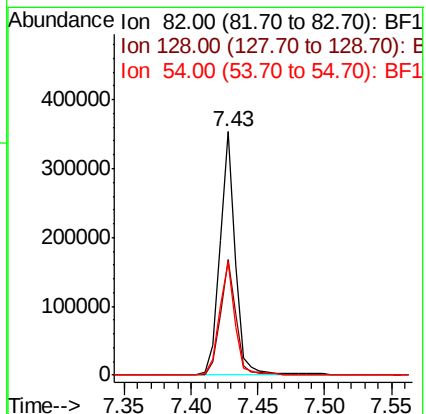
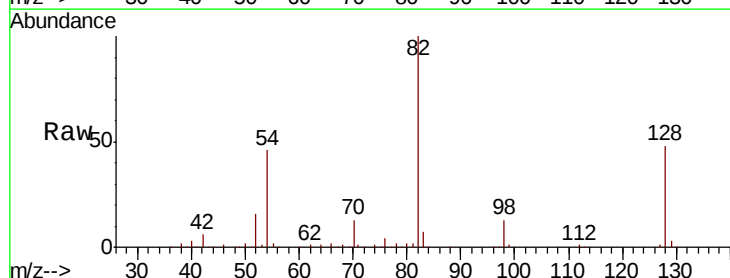
RT: 7.43 min Scan# 908

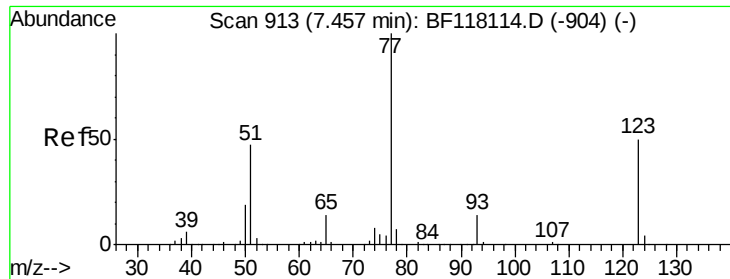
Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Tgt Ion:	82	Resp:	289836
Ion	Ratio	Lower	Upper
82	100		
128	47.6	39.1	58.7
54	46.2	38.2	57.2





#24

Nitrobenzene

Concen: 0.100 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampled :

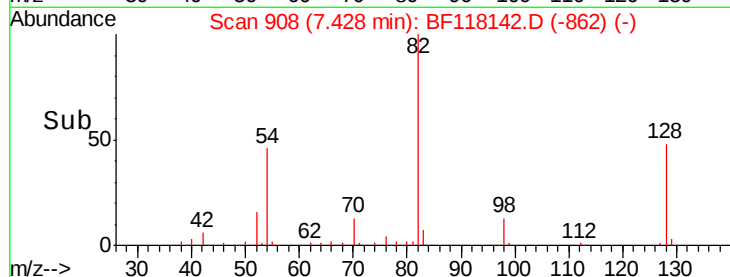
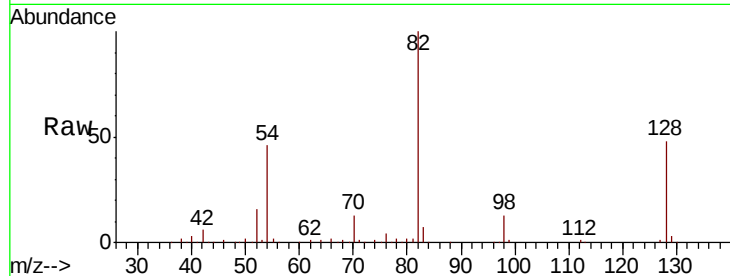
Tot Ion: 77 Resp: 985

Ion Ratio Lower Upper

77 100

123 0.0 40.1 60.1#

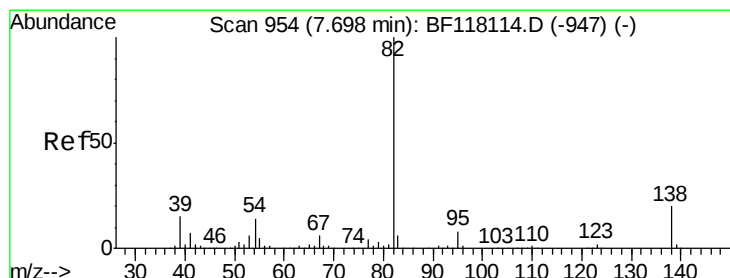
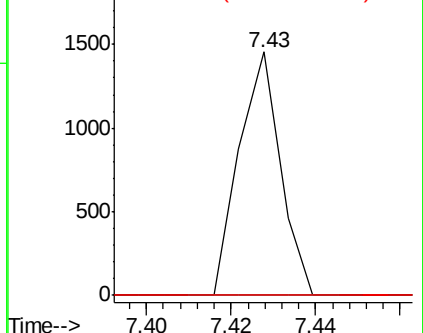
65 0.0 10.9 16.3#



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: 16.989 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

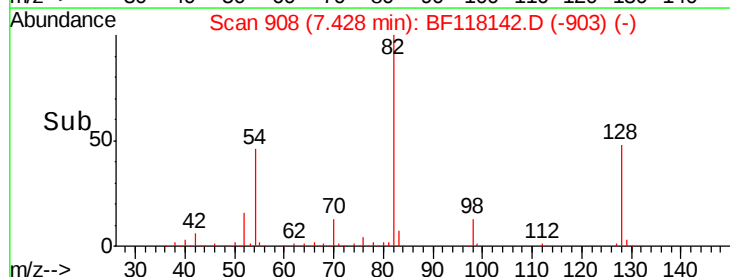
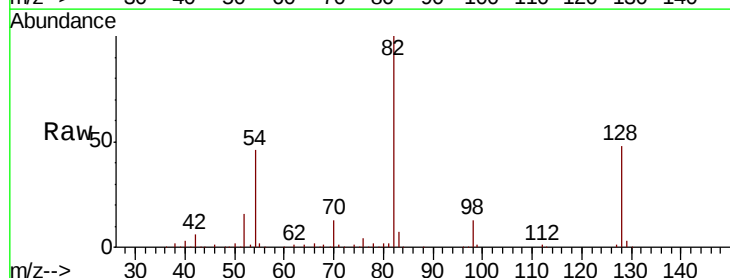
Tgt Ion: 82 Resp: 289831

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

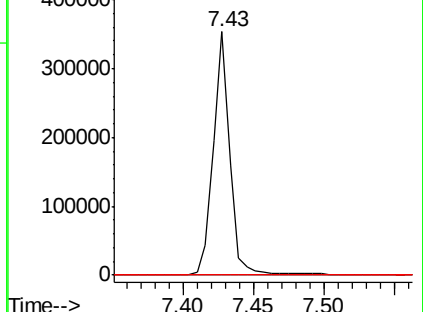
138 0.0 16.3 24.5#

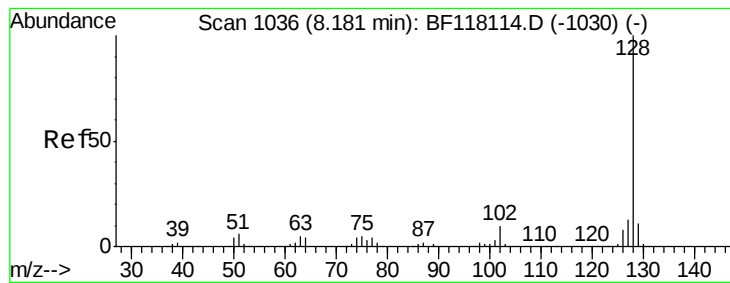


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 0.093 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

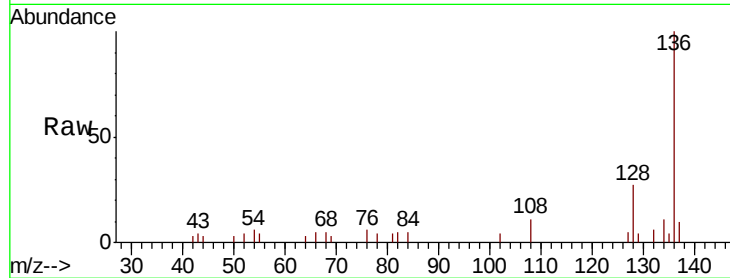
Tot Ion:128 Resp: 2649

Ion Ratio Lower Upper

128 100

129 14.1 9.1 13.7#

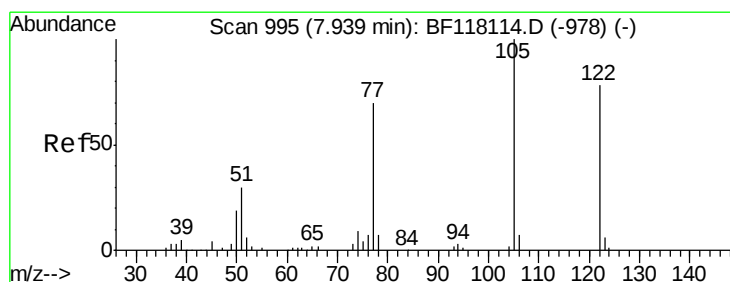
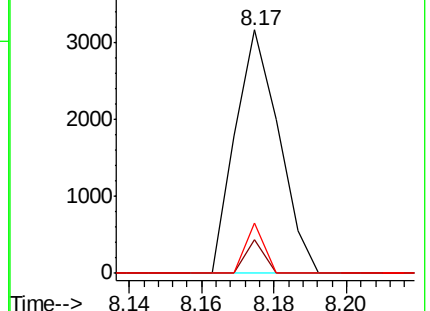
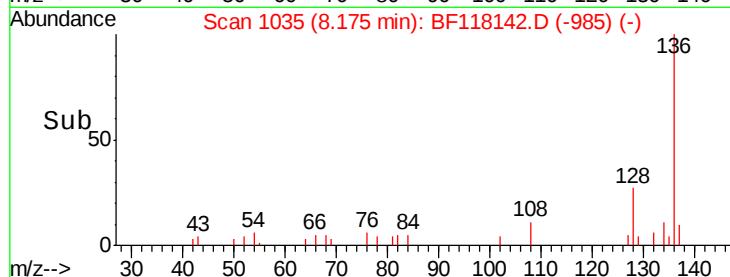
127 20.5 10.6 16.0#



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: 0.019 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.21 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

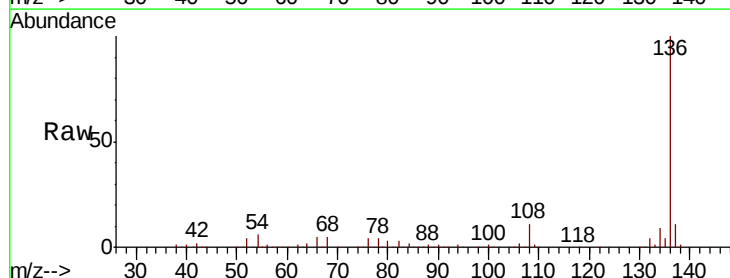
Tgt Ion:122 Resp: 118

Ion Ratio Lower Upper

122 100

105 172.8 104.7 144.7#

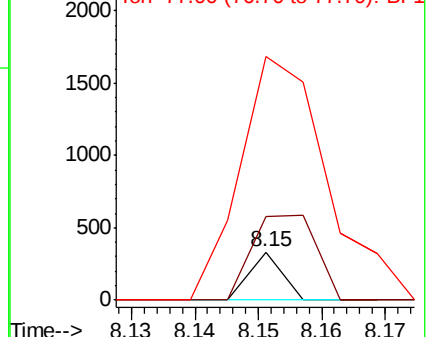
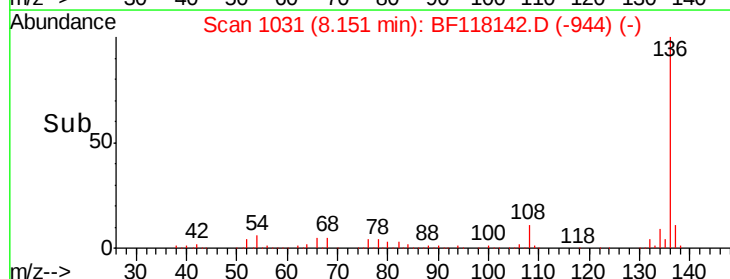
77 504.2 69.1 109.1#

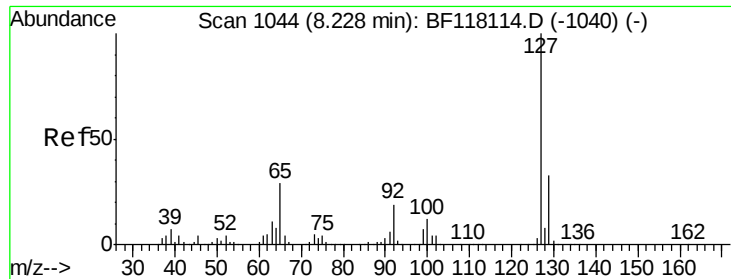


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

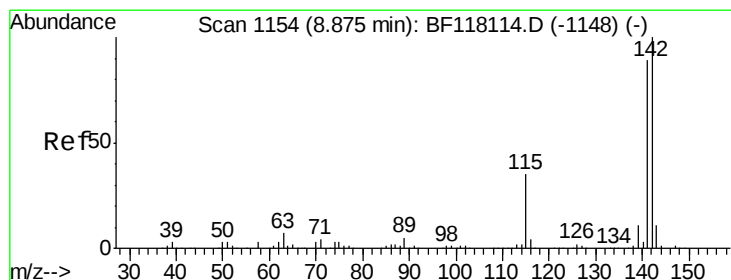
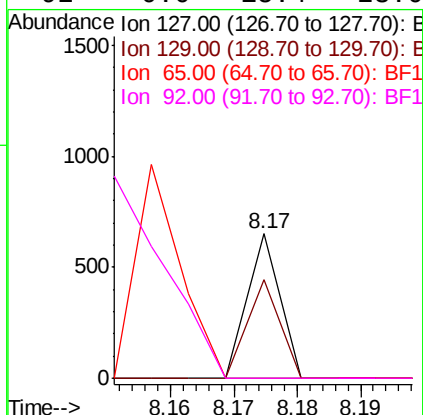
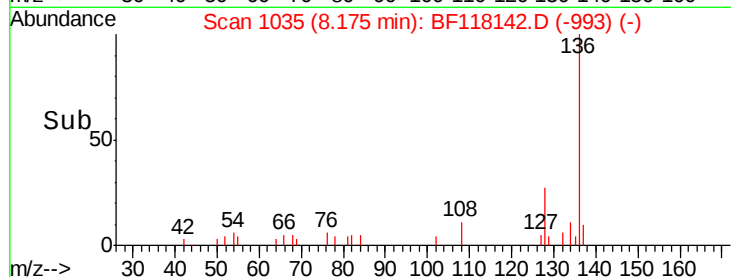
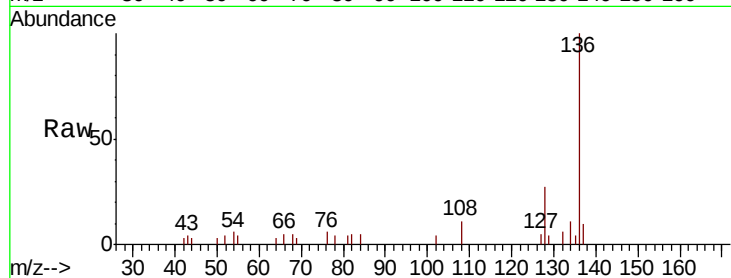




#33
4-Chloroaniline
Concen: 0.019 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

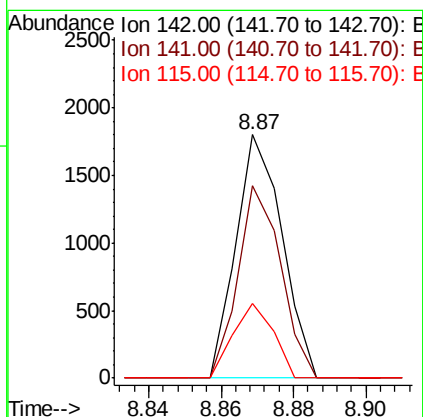
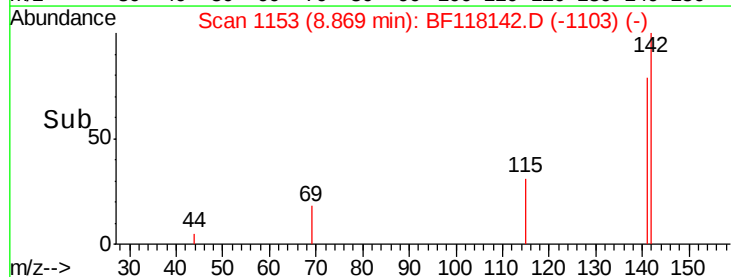
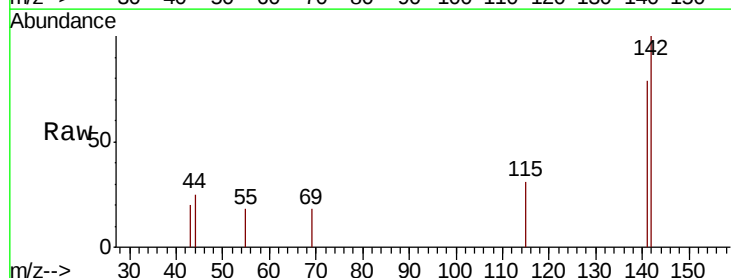
Instrument :
BNA_F
ClientSampled :

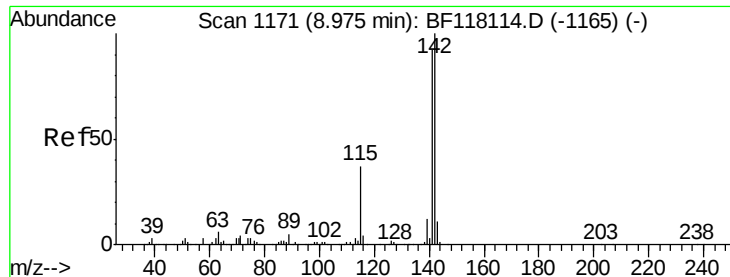
Tot Ion:	127	Resp:	229
Ion	Ratio	Lower	Upper
127	100		
129	68.6	26.6	40.0#
65	0.0	23.2	34.8#
92	0.0	15.4	23.0#



#37
2-Methylnaphthalene
Concen: 0.083 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion:	142	Resp:	1604
Ion	Ratio	Lower	Upper
142	100		
141	78.8	71.4	107.0
115	30.6	28.2	42.4





#38

1-Methylnaphthalene

Concen: 0.055 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

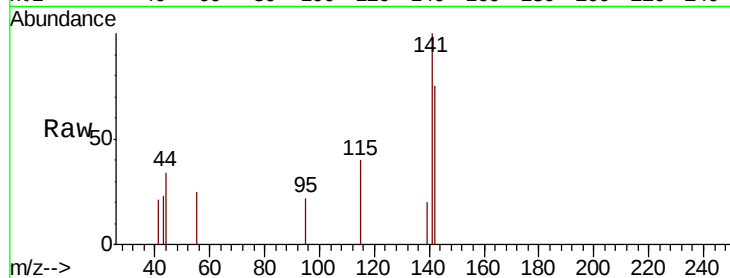
Tot Ion:142 Resp: 997

Ion Ratio Lower Upper

142 100

141 133.8 74.0 111.0#

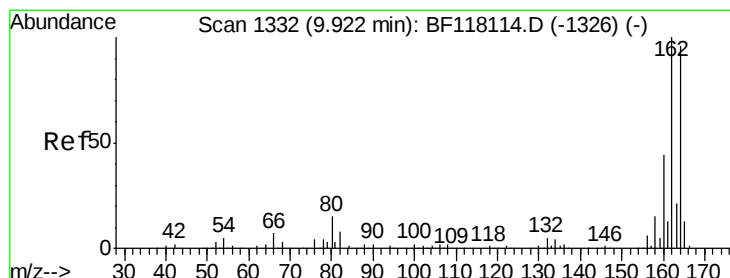
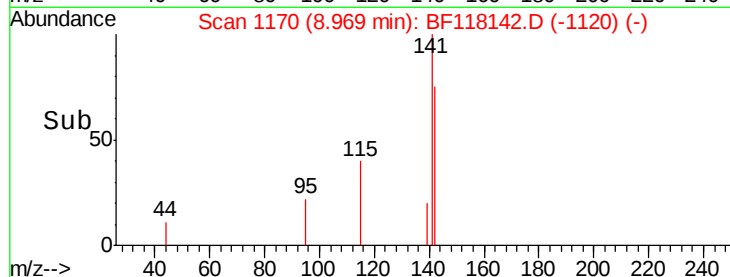
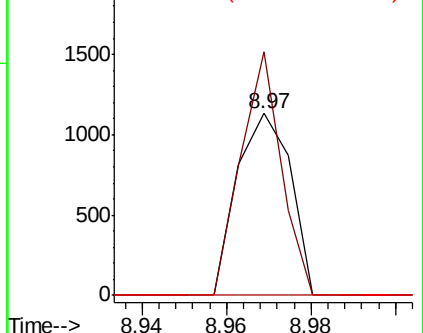
116 0.0 3.2 4.8#



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: BF118142.D

Acq: 7 Dec 2019 21:17

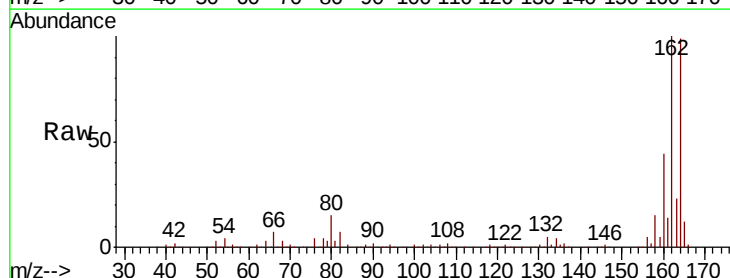
Tgt Ion:164 Resp: 288132

Ion Ratio Lower Upper

164 100

162 100.5 83.4 125.0

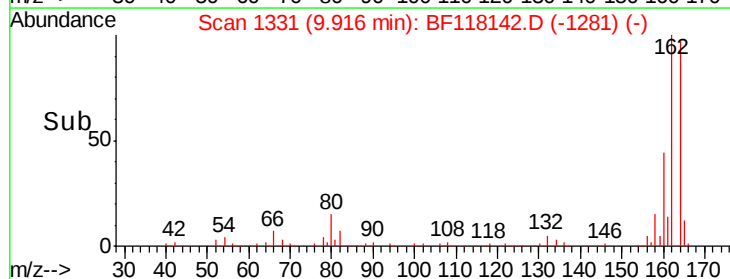
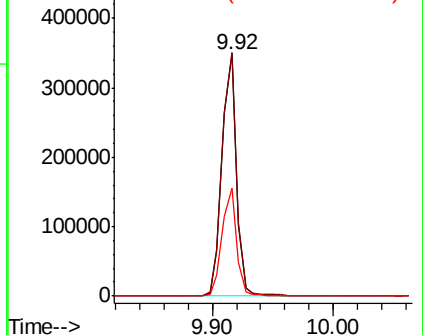
160 44.5 36.6 54.8

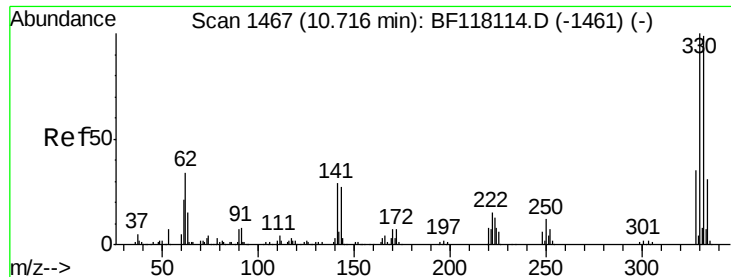


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

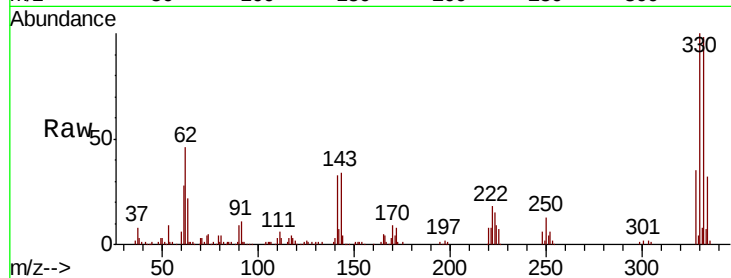




#42
2,4,6-Tribromophenol
Concen: 38.044 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.1	117.1
141	33.9	26.9	40.3

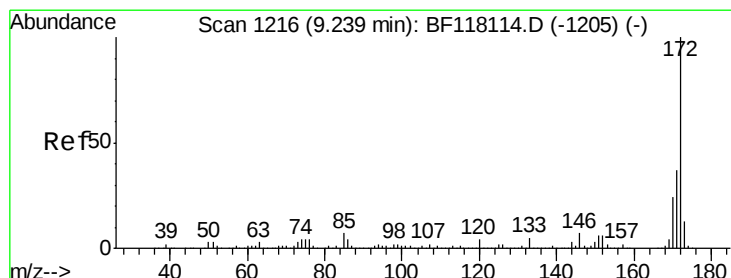
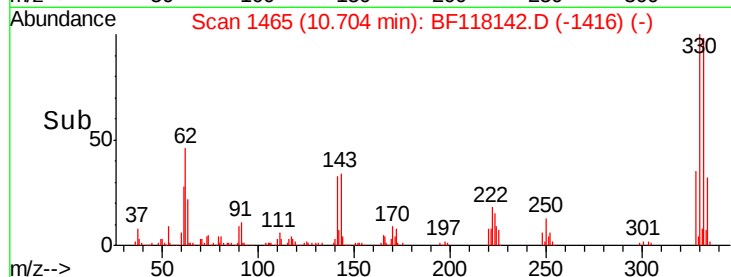
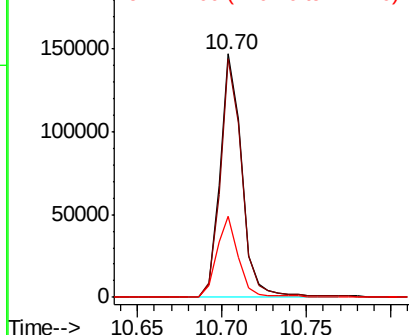


Abundance

Ion 329.80 (329.50 to 330.50): E

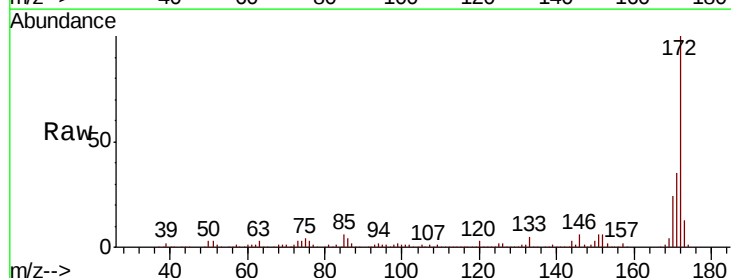
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 33.050 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.2	43.8
170	23.9	19.4	29.2

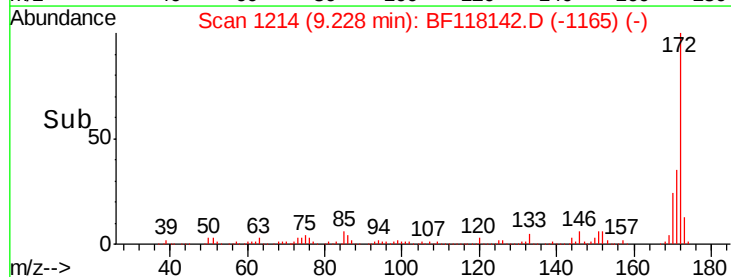
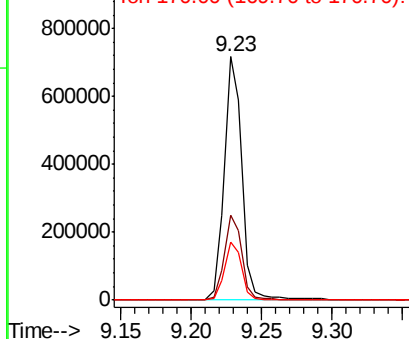


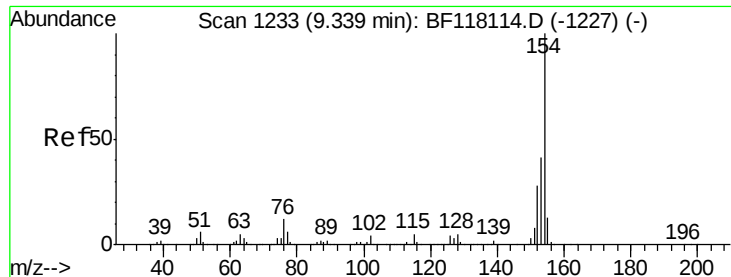
Abundance

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

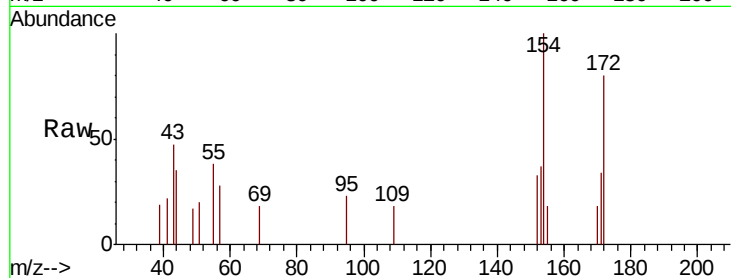




#46
 1,1'-Biphenyl
 Concen: 0.060 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.4	20.7	60.7
76	0.0	0.0	31.9

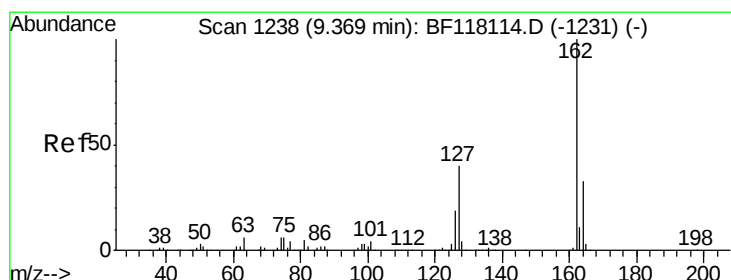
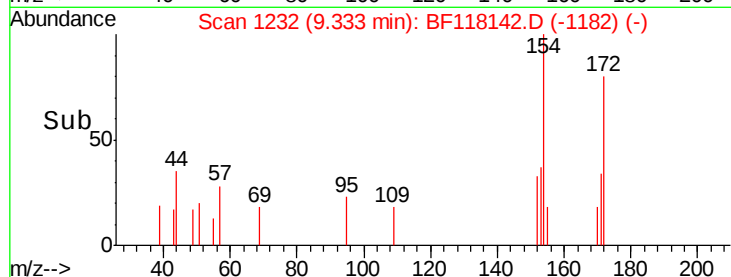
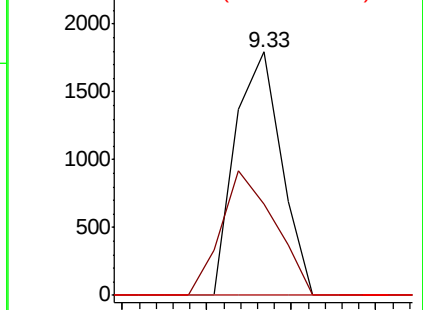


Abundance

Ion 154.00 (153.70 to 154.70): E

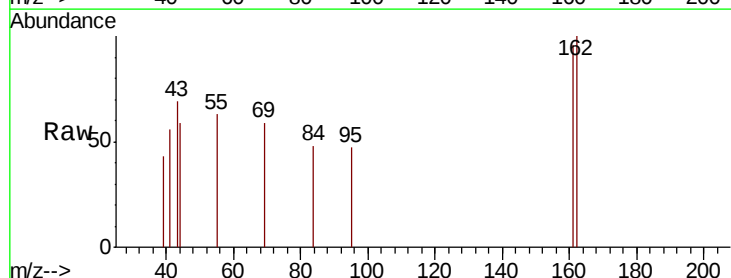
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47
 2-Chloronaphthalene
 Concen: 0.024 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. 0.16 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	32.0	48.0#
164	0.0	26.1	39.1#

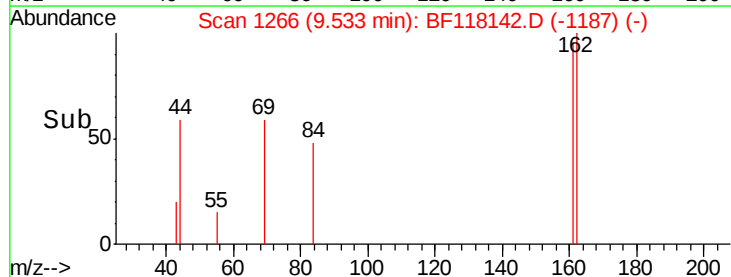
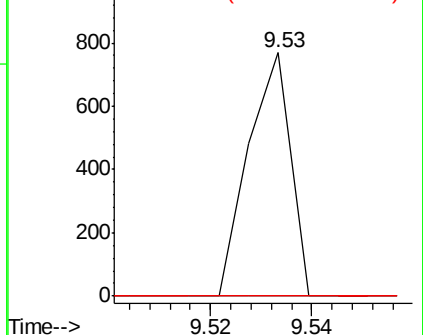


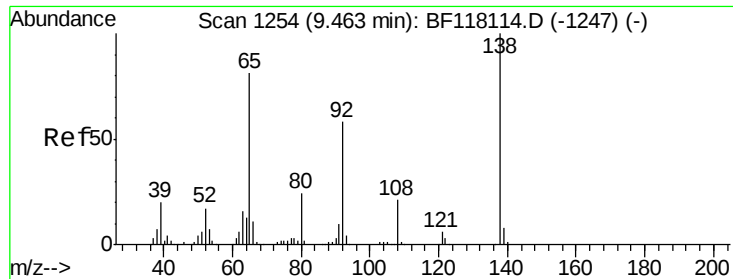
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

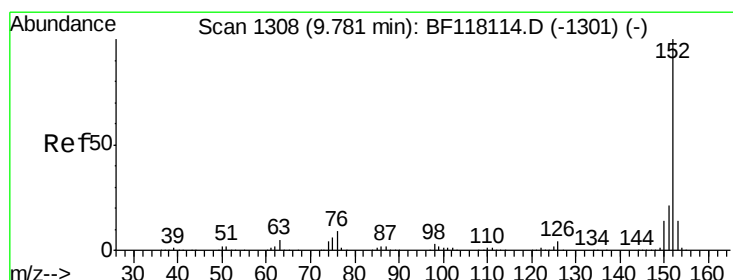
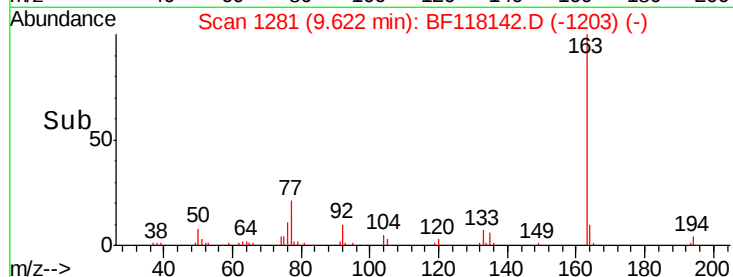
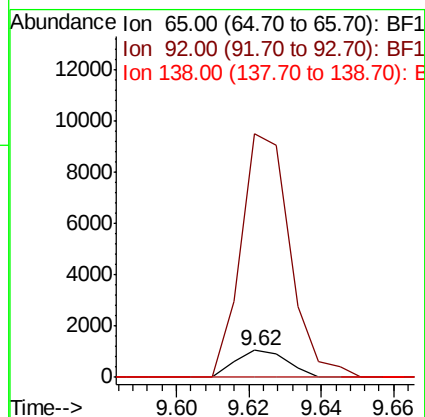
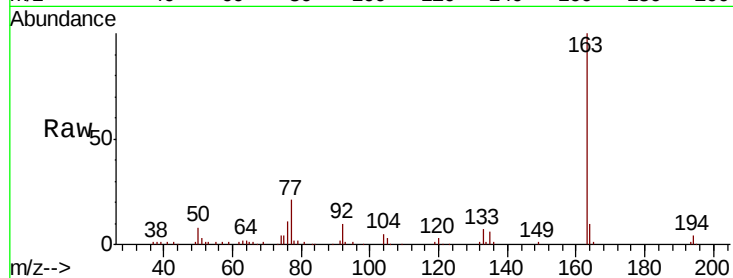




#48
2-Nitroaniline
Concen: 0.200 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.16 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

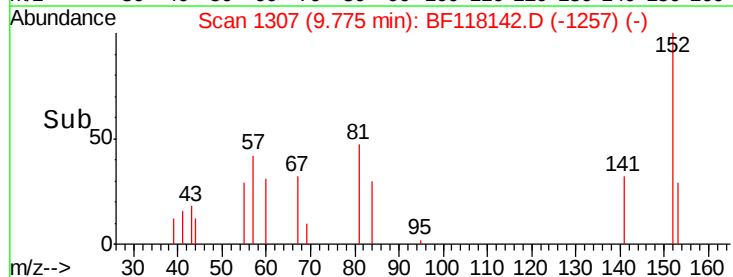
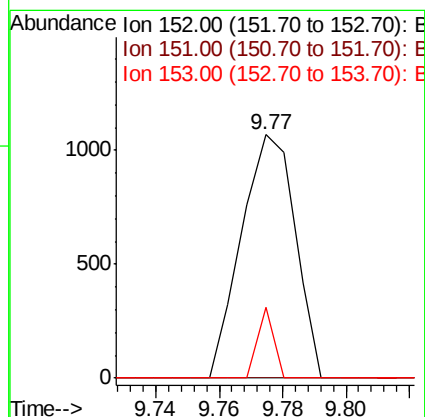
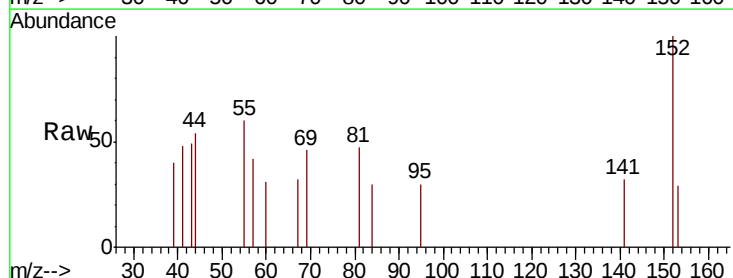
Instrument :
BNA_F
ClientSampleId :

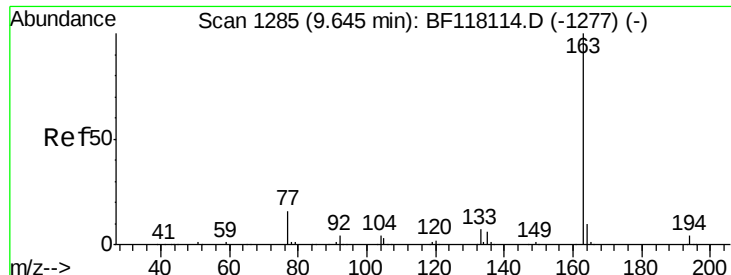
Tot Ion: 65 Resp: 1042
Ion Ratio Lower Upper
65 100
92 905.4 57.8 86.6#
138 0.0 98.8 148.2#



#49
Acenaphthylene
Concen: 0.047 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion: 152 Resp: 1258
Ion Ratio Lower Upper
152 100
151 0.0 16.4 24.6#
153 29.2 10.8 16.2#

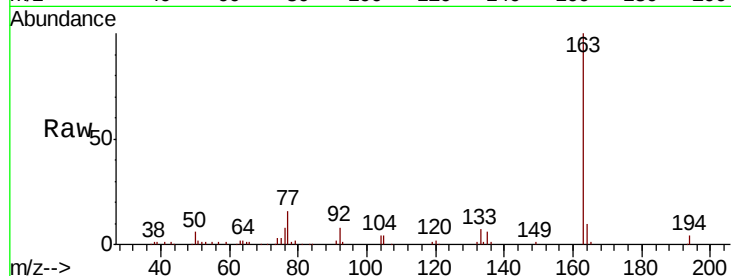




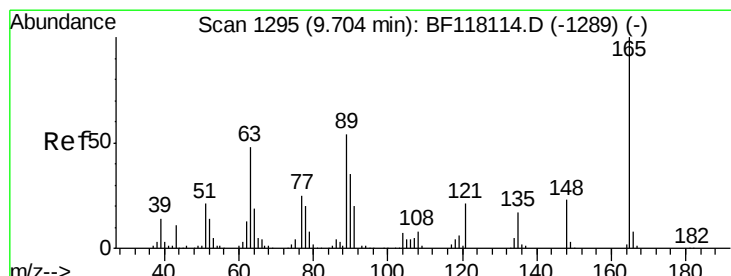
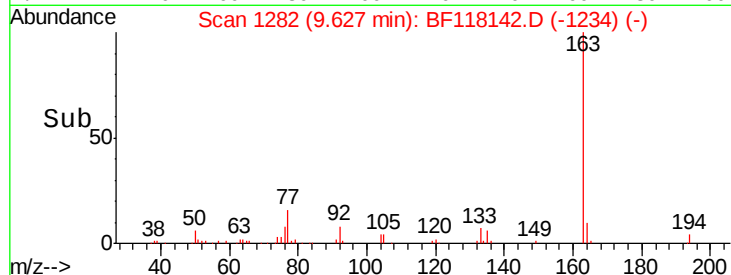
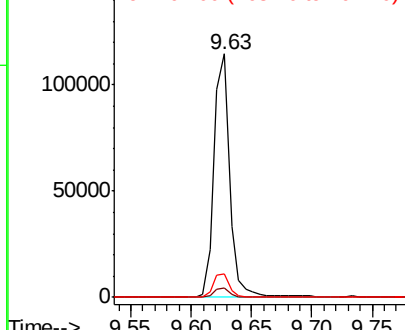
#50
Dimethylphthalate
Concen: 4.852 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.6	7.7	11.5

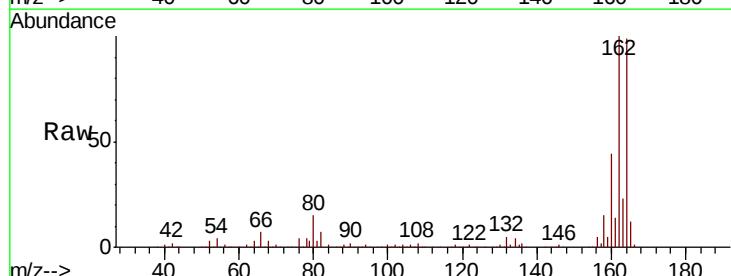


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

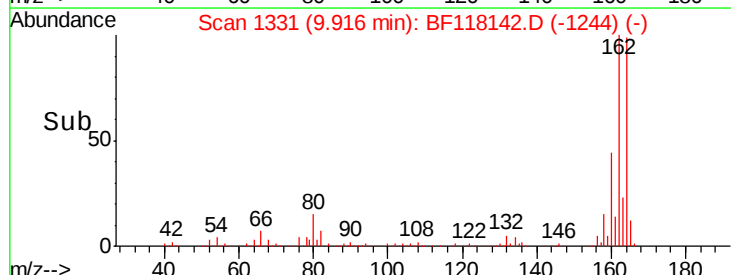
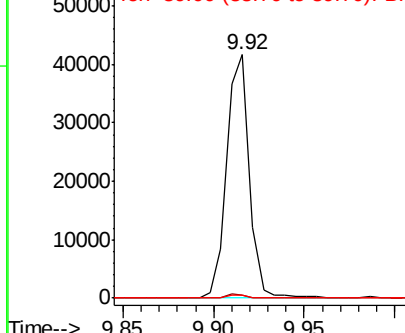


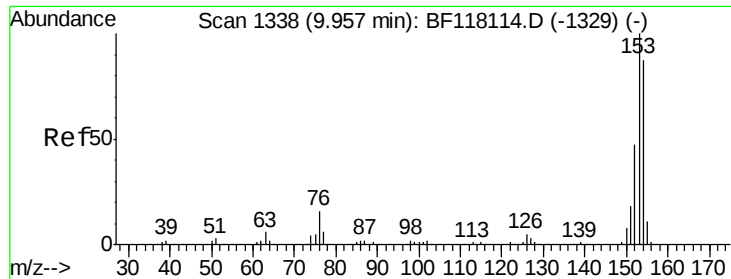
#51
2,6-Dinitrotoluene
Concen: 7.880 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.4	62.0#
89	1.1	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: 0.019 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

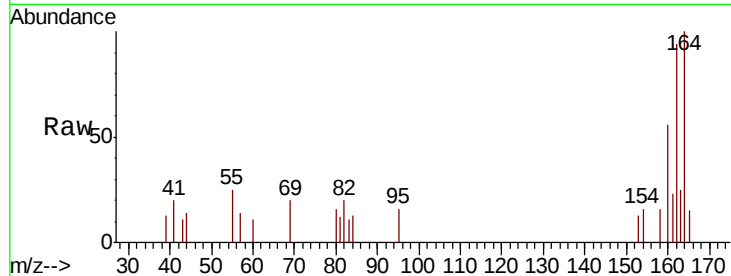
Tot Ion:154 Resp: 310

Ion Ratio Lower Upper

154 100

153 84.3 91.8 137.6#

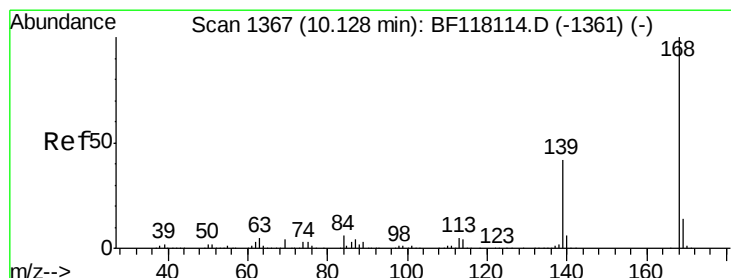
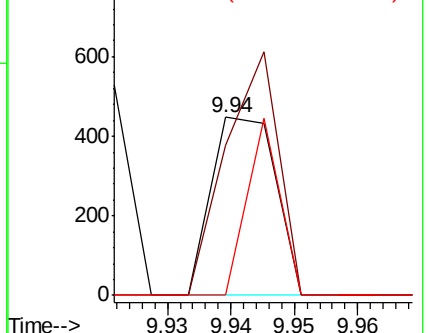
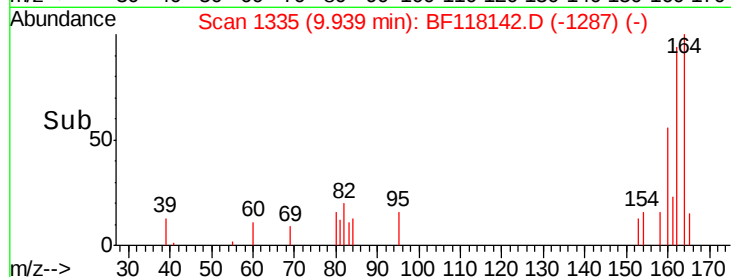
152 0.0 43.3 64.9#



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: 0.010 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

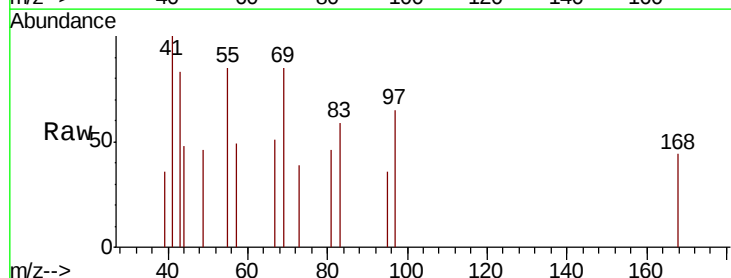
Tgt Ion:168 Resp: 252

Ion Ratio Lower Upper

168 100

139 0.0 33.4 50.0#

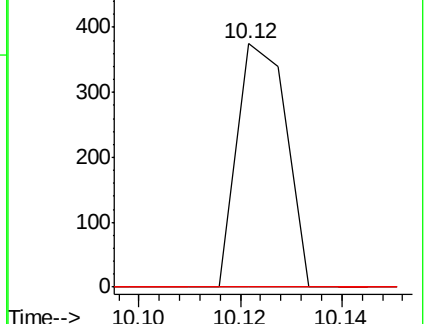
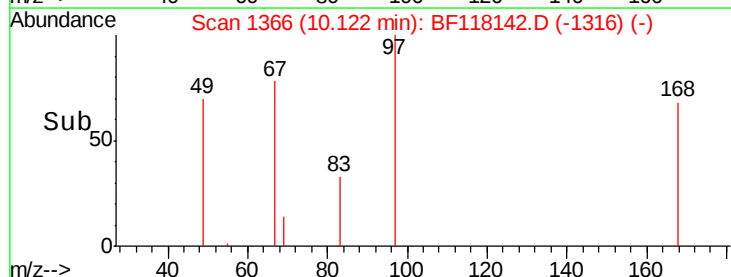
169 0.0 11.0 16.6#

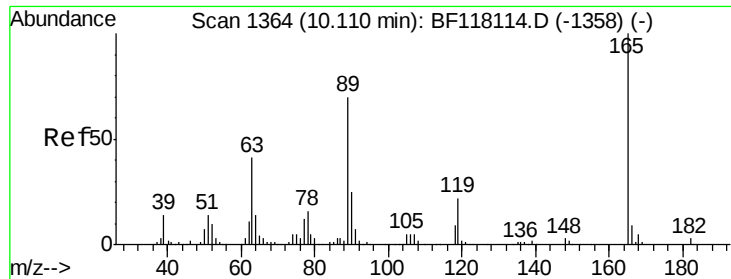


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

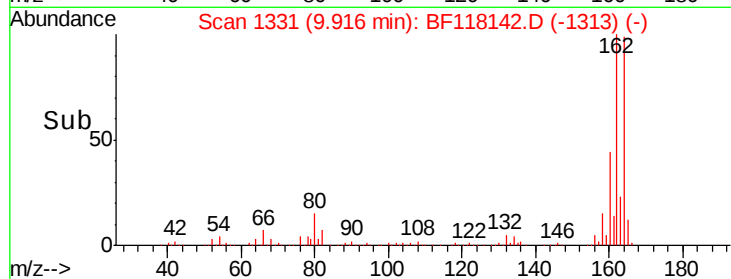
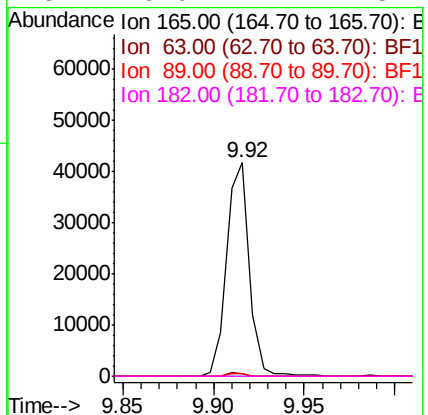
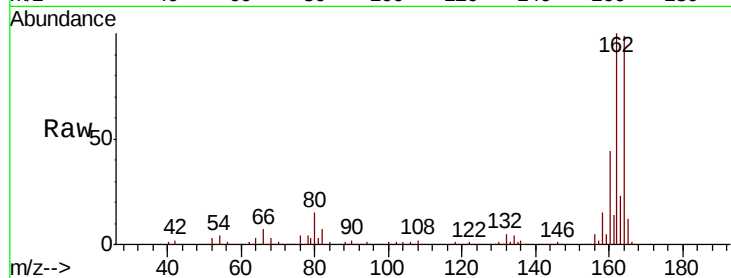




#57
 2,4-Dinitrotoluene
 Concen: 5.904 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

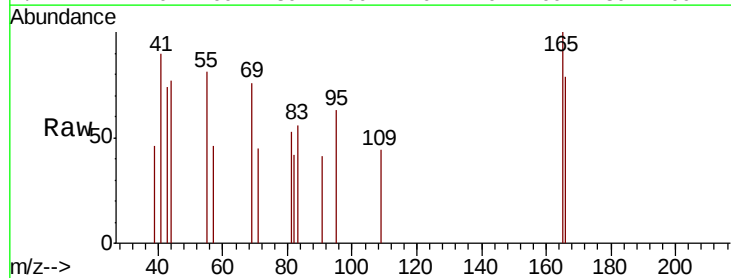
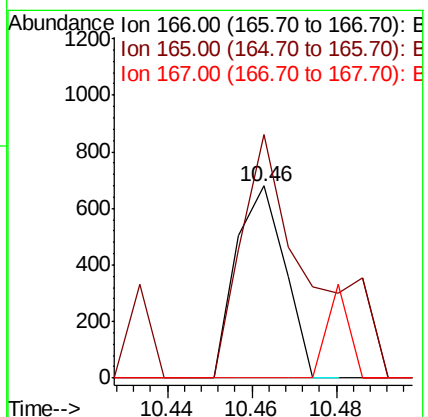
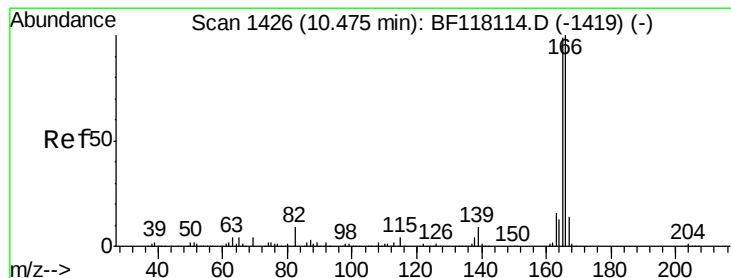
Instrument :
 BNA_F
 ClientSampleId :

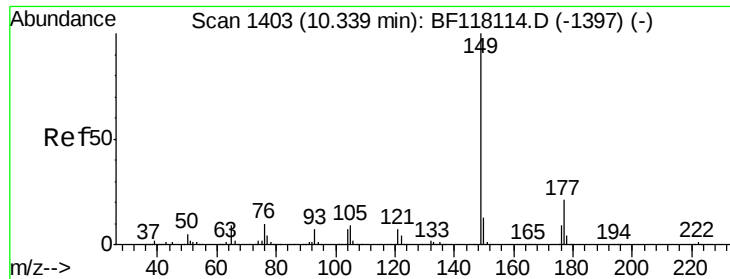
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.6	49.0#
89	1.1	56.1	84.1#
182	0.0	2.1	3.1#



#58
 Fluorene
 Concen: 0.028 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	126.8	79.0	118.4#
167	0.0	10.9	16.3#

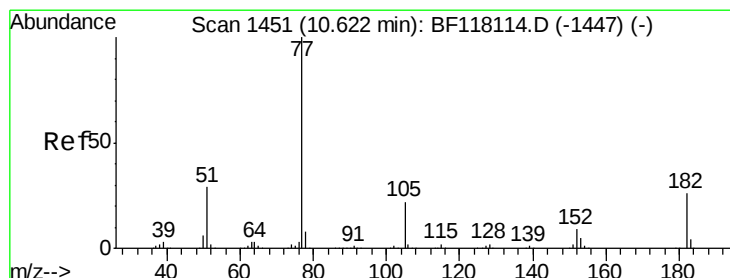
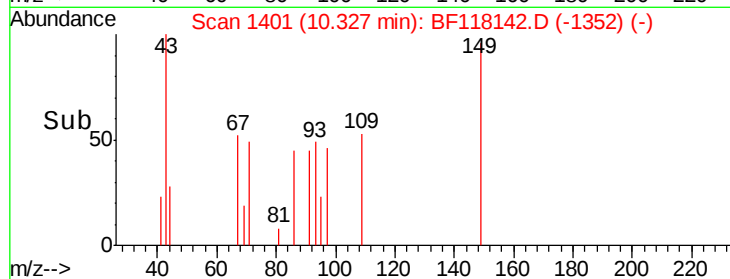
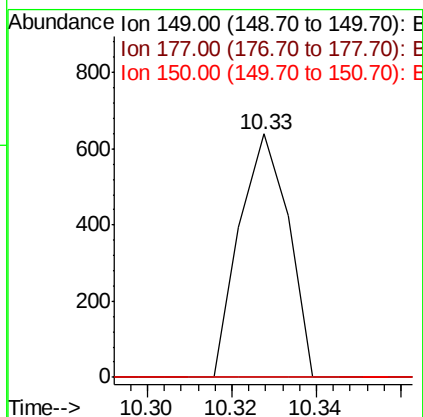
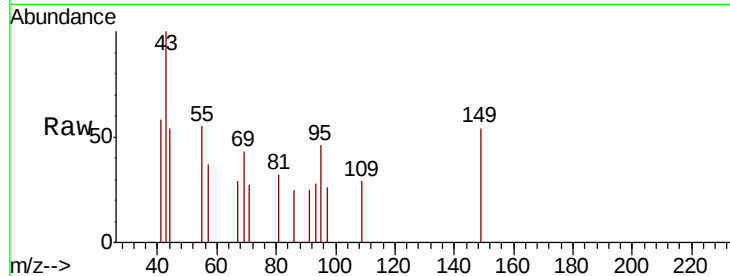




#60
Diethylphthalate
Concen: 0.025 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

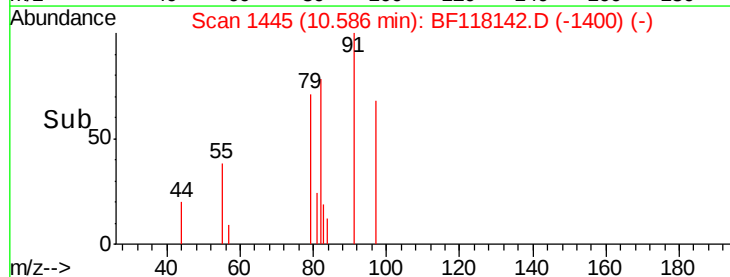
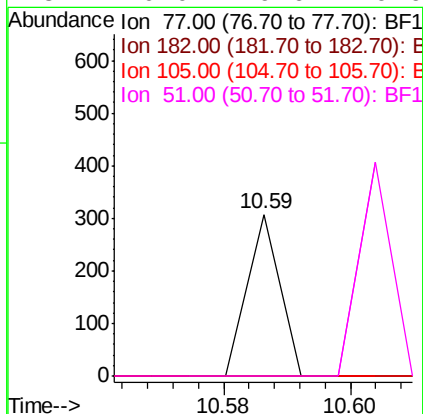
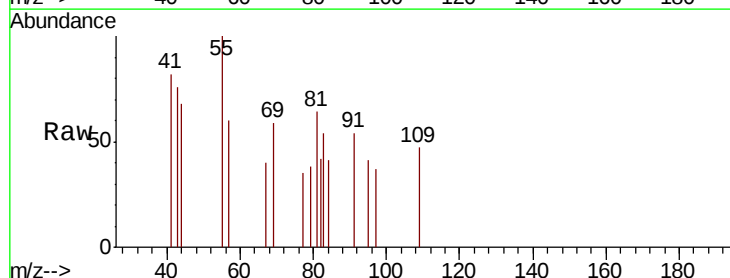
Instrument :
BNA_F
ClientSampled :

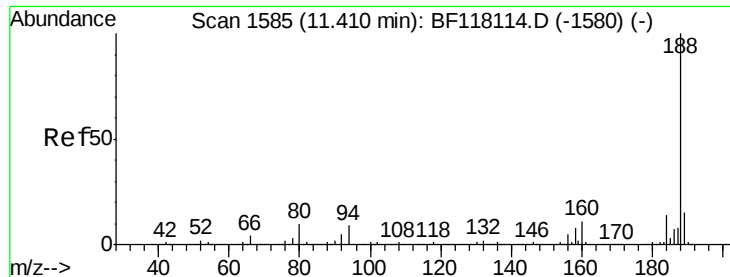
Tot Ion:149 Resp: 514
Ion Ratio Lower Upper
149 100
177 0.0 17.0 25.4#
150 0.0 10.1 15.1#



#63
Azobenzene
Concen: 0.006 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.04 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion: 77 Resp: 108
Ion Ratio Lower Upper
77 100
182 0.0 5.7 45.7#
105 0.0 2.2 42.2#
51 0.0 9.6 49.6#

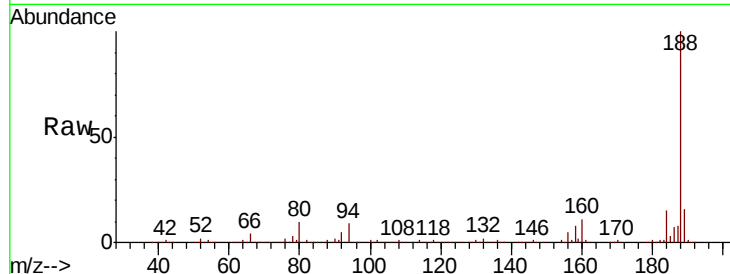




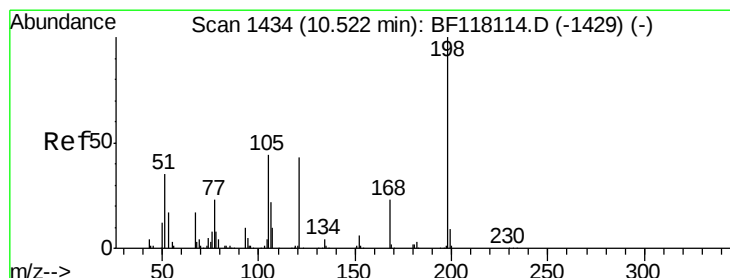
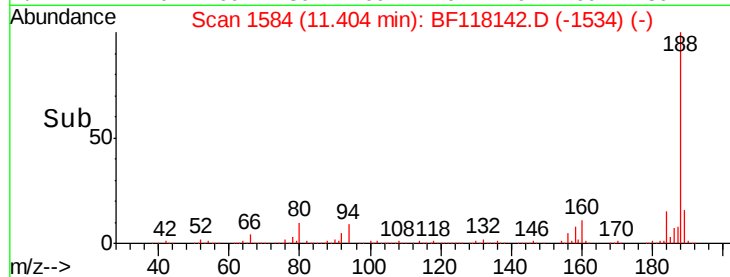
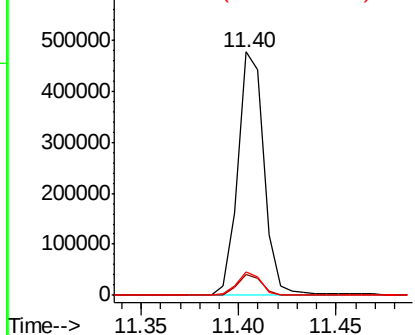
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 445473
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.1 10.7
 80 9.6 7.9 11.9

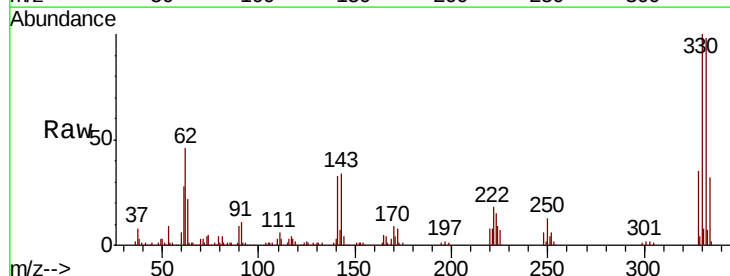


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

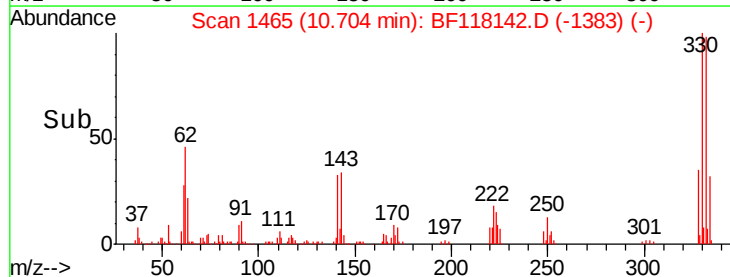
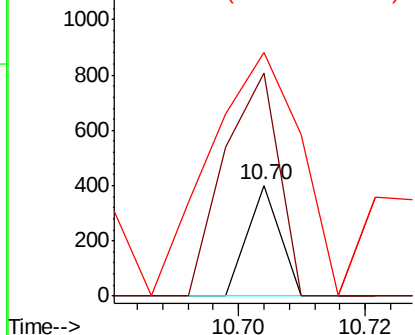


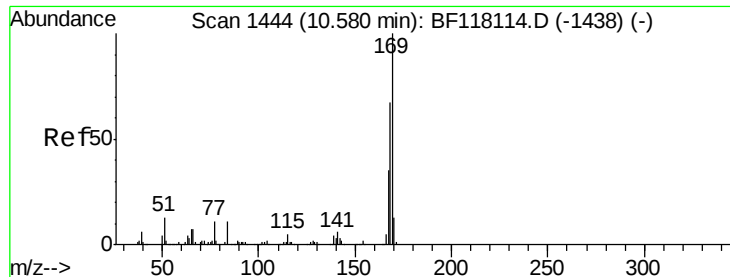
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.058 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion:198 Resp: 142
 Ion Ratio Lower Upper
 198 100
 51 201.2 22.0 62.0#
 105 219.2 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

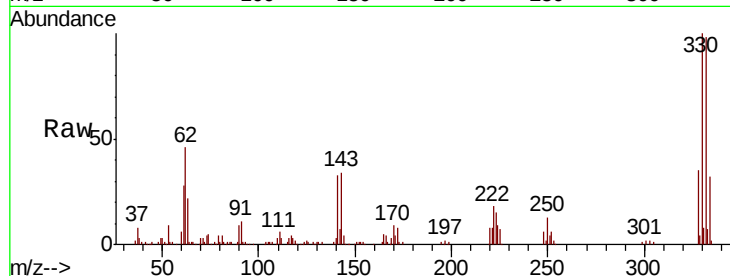




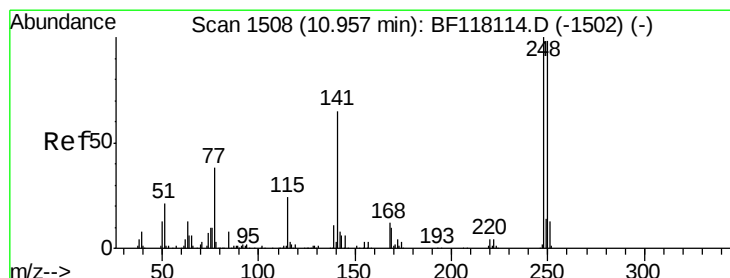
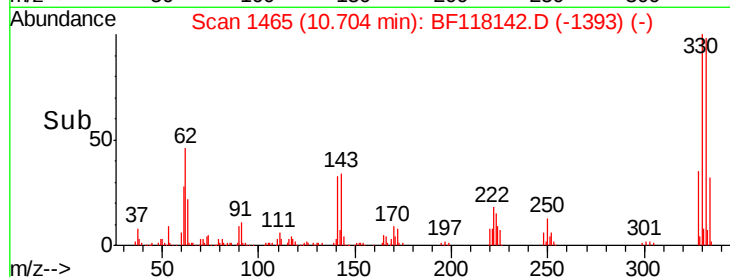
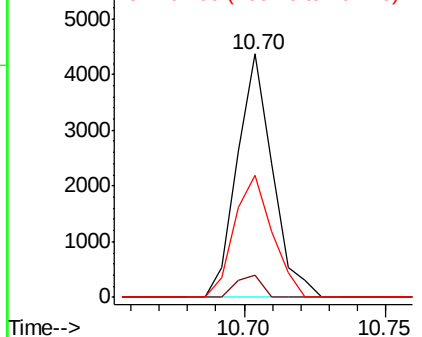
#66
 n-Nitrosodiphenylamine
 Concen: 0.273 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.12 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 3804
 Ion Ratio Lower Upper
 169 100
 168 8.9 53.4 80.2#
 167 49.9 28.4 42.6#

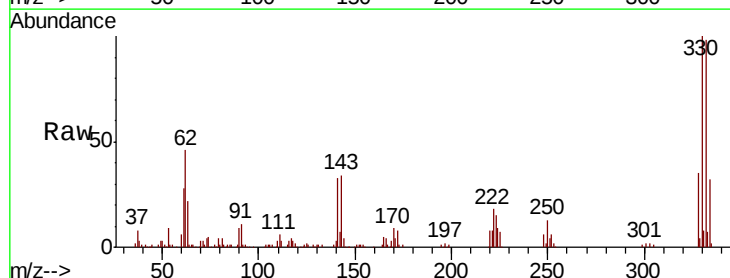


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

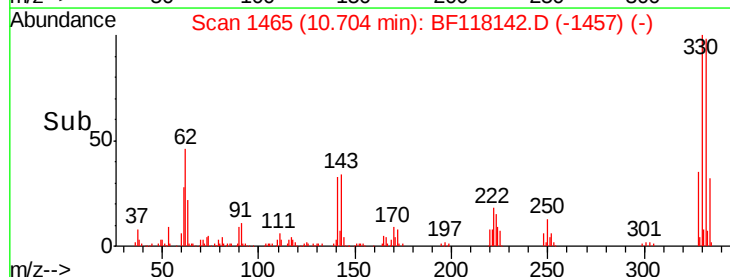
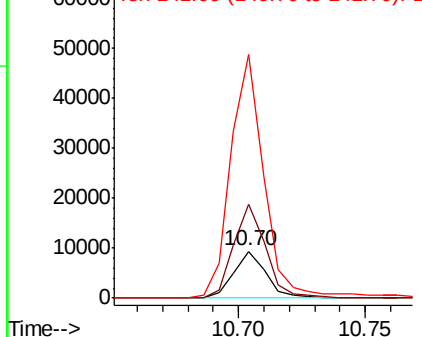


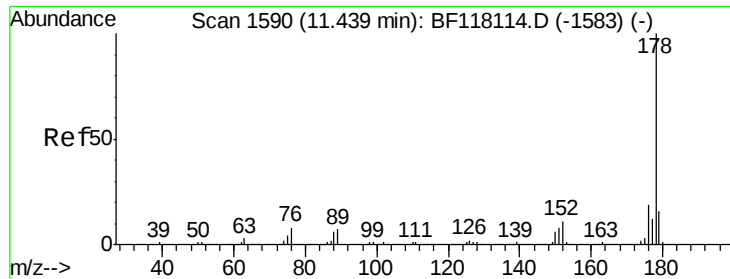
#67
 4-Bromophenyl-phenylether
 Concen: 1.616 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion:248 Resp: 8216
 Ion Ratio Lower Upper
 248 100
 250 201.4 78.3 117.5#
 141 519.5 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

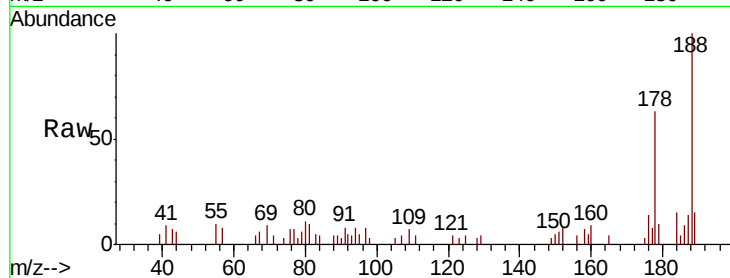




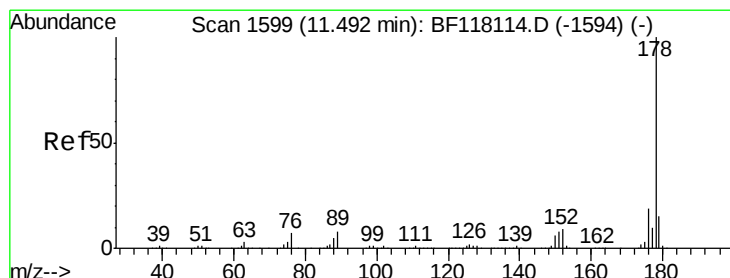
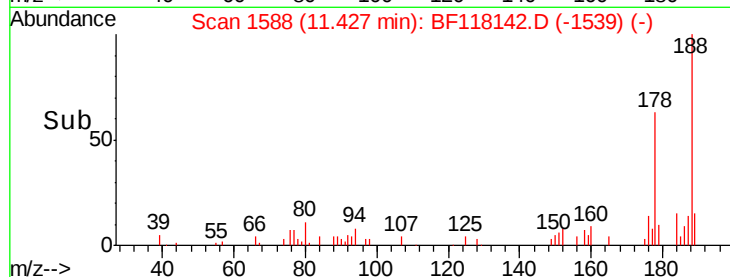
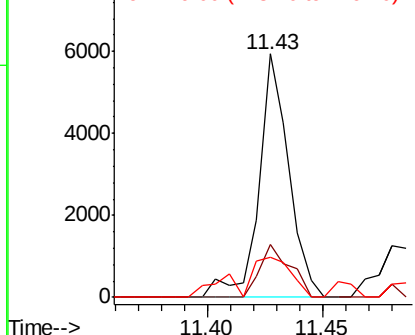
#71
Phenanthrene
Concen: 0.225 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 5339
Ion Ratio Lower Upper
178 100
176 22.0 15.5 23.3
179 16.3 12.6 18.8

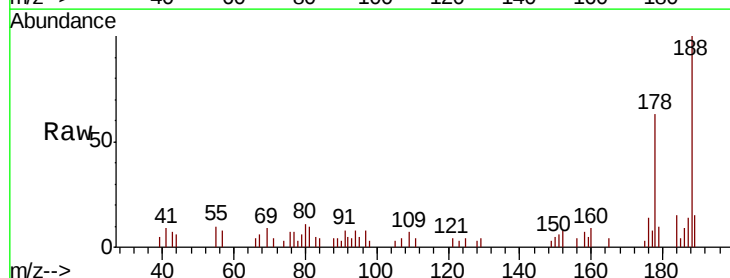


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

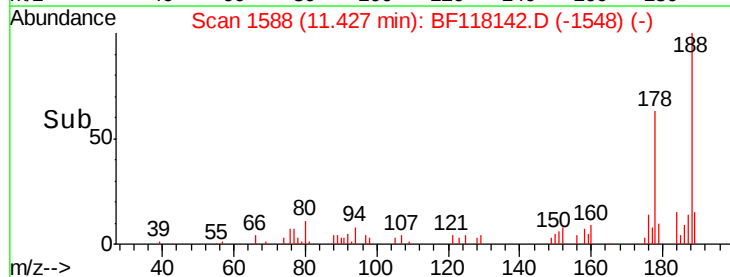
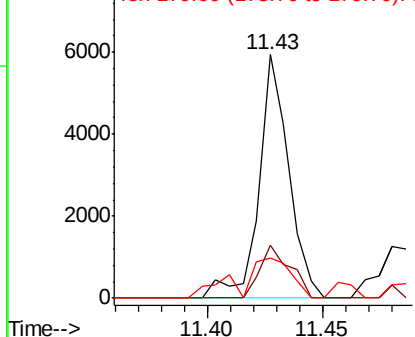


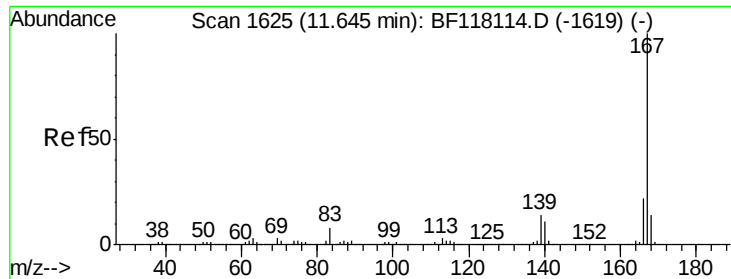
#72
Anthracene
Concen: 0.226 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.06 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion:178 Resp: 5339
Ion Ratio Lower Upper
178 100
176 22.0 15.0 22.6
179 16.3 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

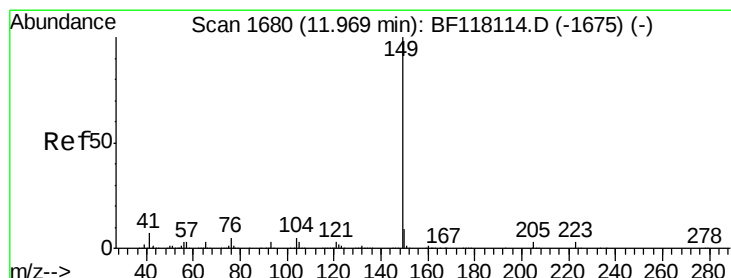
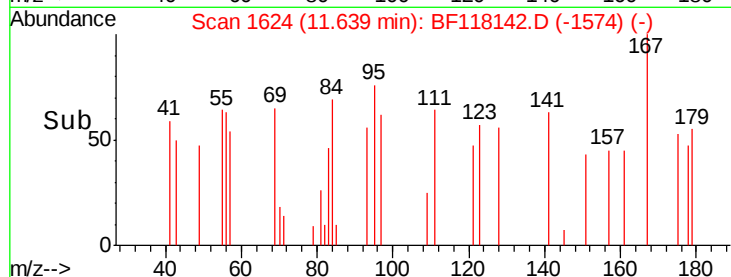
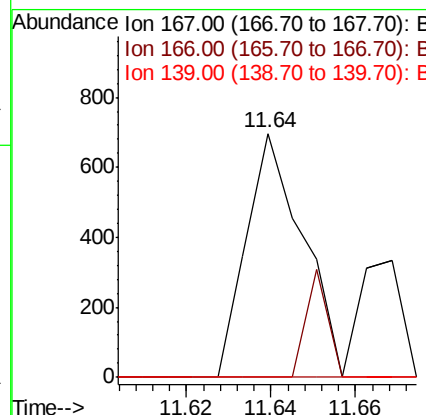
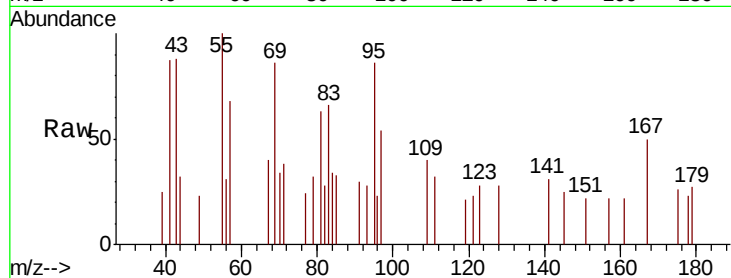




#73
 Carbazole
 Concen: 0.031 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

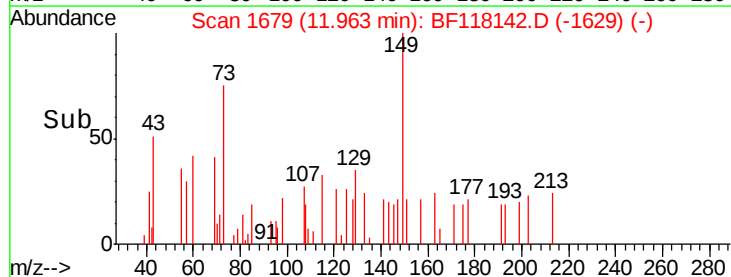
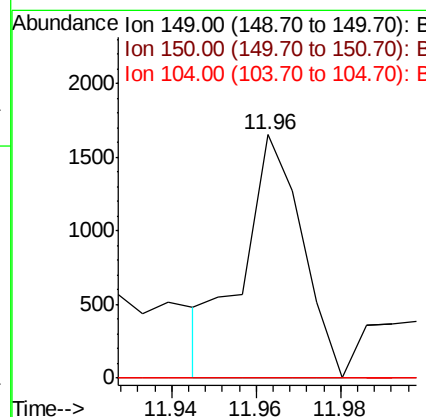
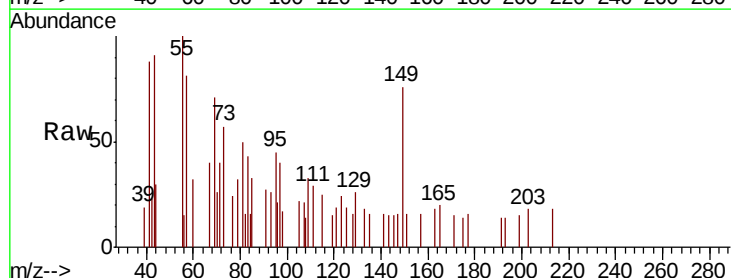
Instrument :
 BNA_F
 ClientSampleId :

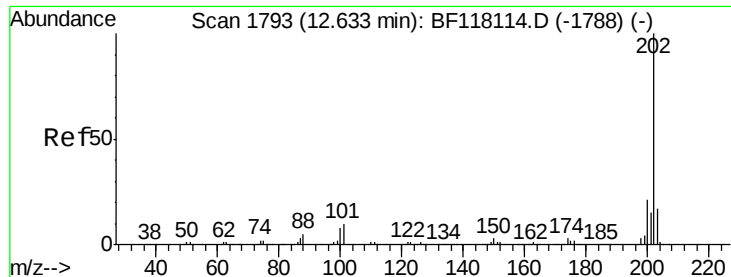
Tot Ion:167 Resp: 647
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.4 26.2#
 139 0.0 11.4 17.0#



#74
 Di-n-butylphthalate
 Concen: 0.061 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion:149 Resp: 1610
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.4 11.2#
 104 0.0 4.3 6.5#

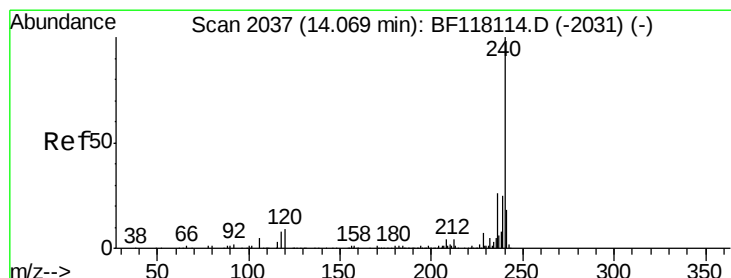
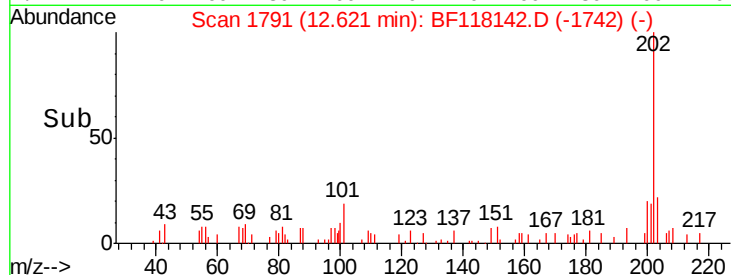
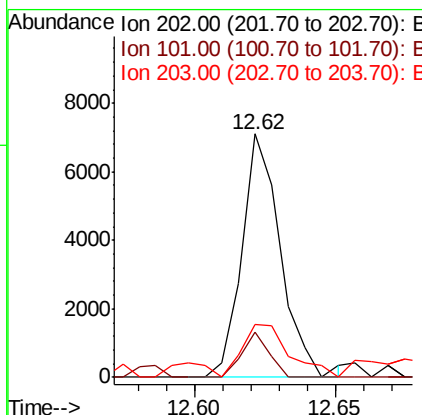
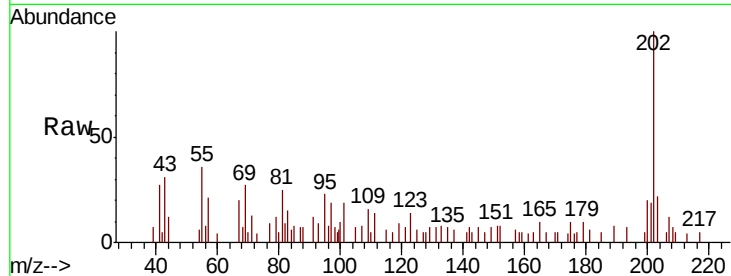




#75
 Fluoranthene
 Concen: 0.280 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

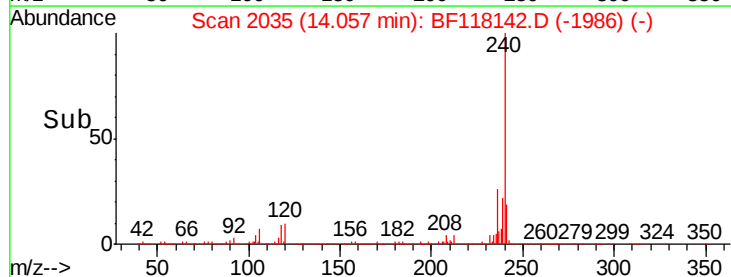
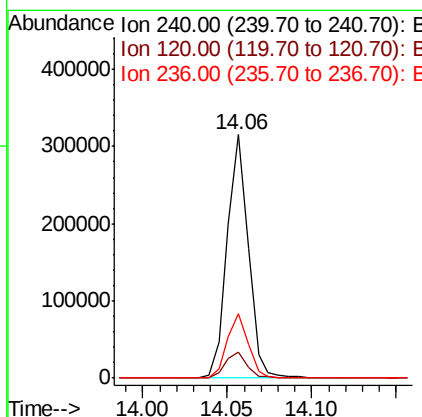
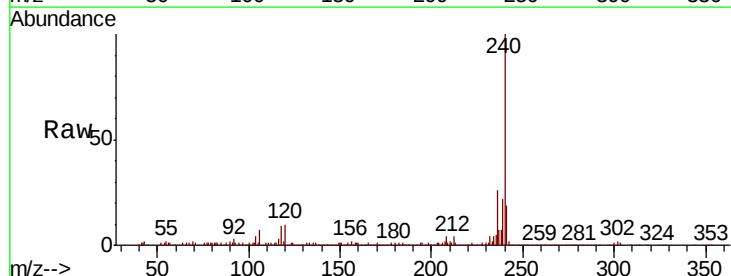
Instrument :
 BNA_F
 ClientSampleId :

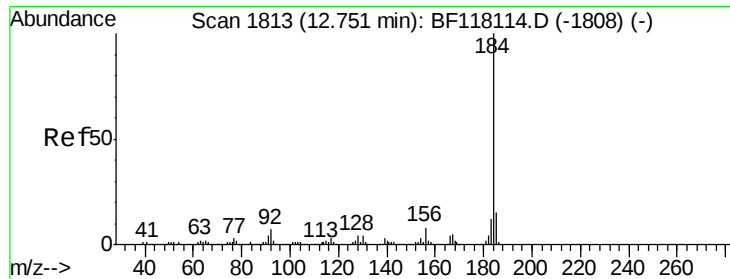
Tot Ion:202 Resp: 6784
 Ion Ratio Lower Upper
 202 100
 101 18.5 0.0 30.4
 203 21.9 0.0 37.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion:240 Resp: 274502
 Ion Ratio Lower Upper
 240 100
 120 10.4 7.1 10.7
 236 26.3 21.0 31.6





#77

Benzidine

Concen: 0.047 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.16 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampled :

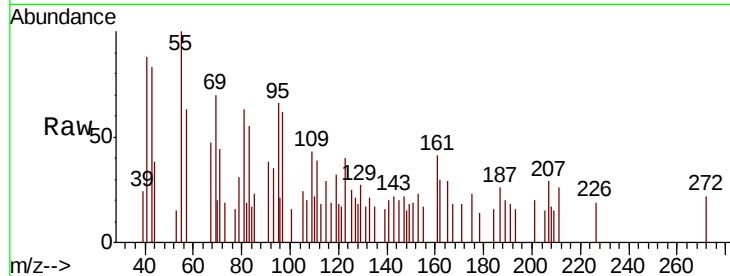
Tot Ion:184 Resp: 337

Ion Ratio Lower Upper

184 100

185 0.0 12.3 18.5#

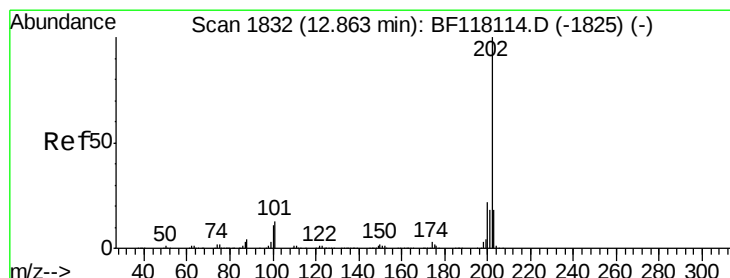
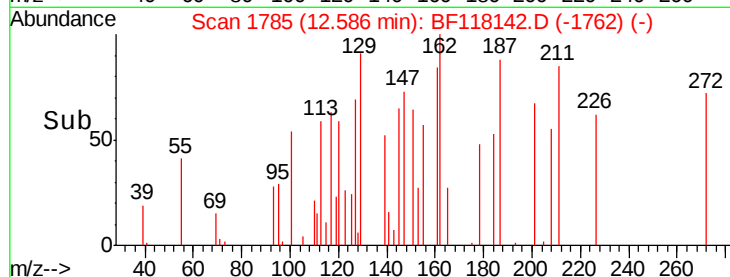
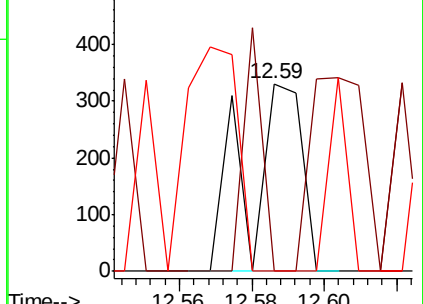
183 0.0 9.9 14.9#



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: 0.360 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

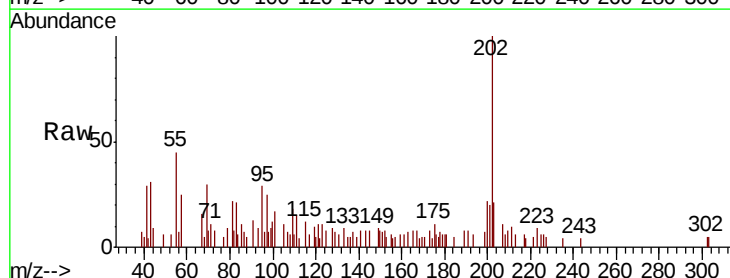
Tgt Ion:202 Resp: 7797

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

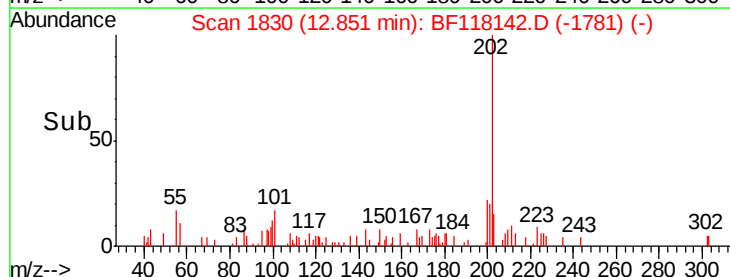
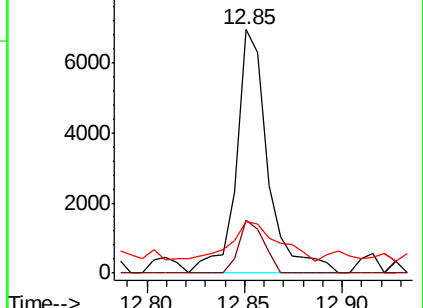
203 21.1 14.6 21.8

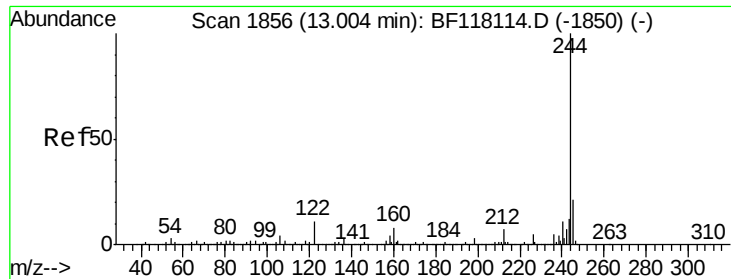


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

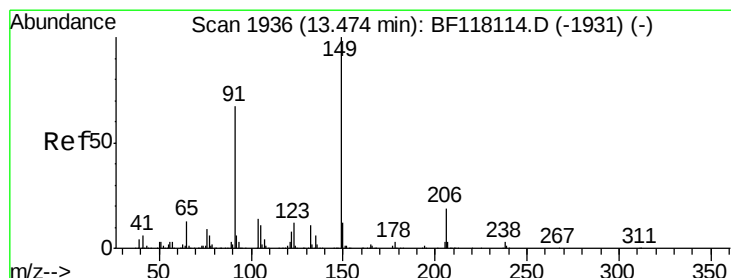
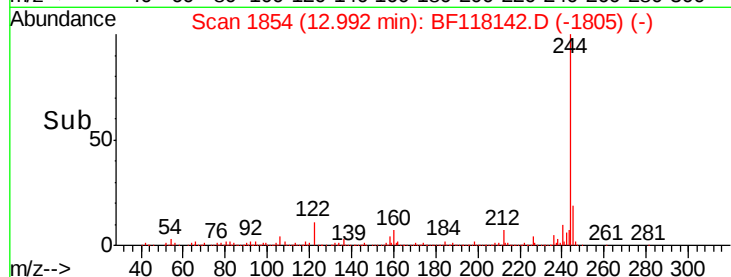
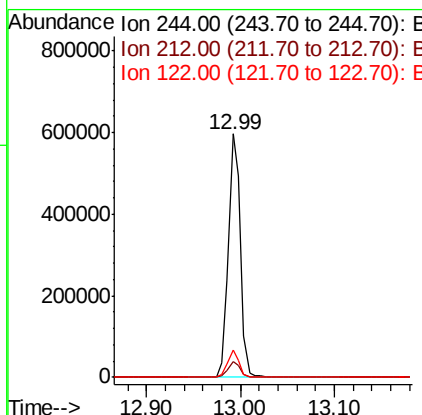
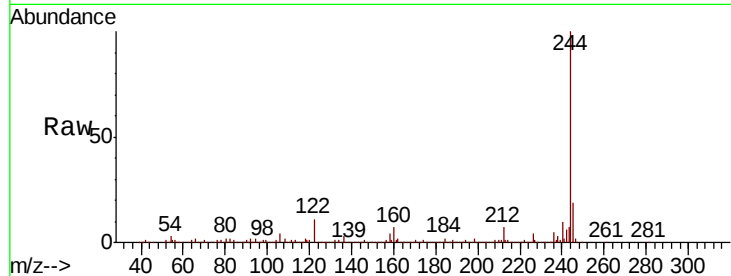




#79
 Terphenyl-d14
 Concen: 33.090 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

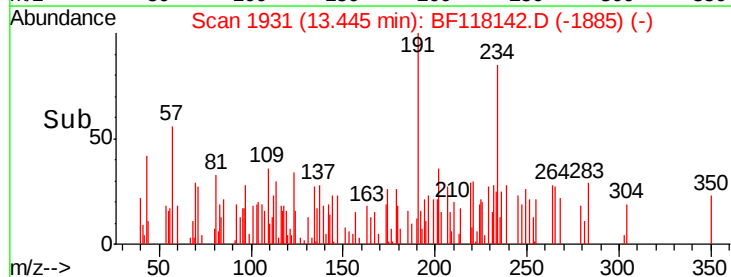
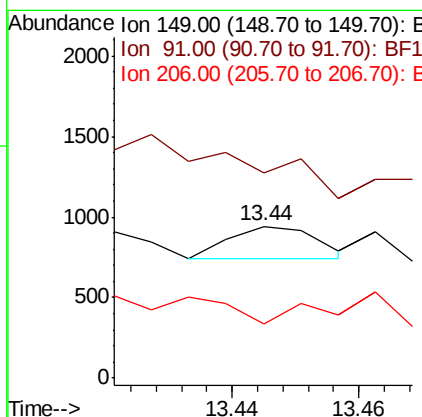
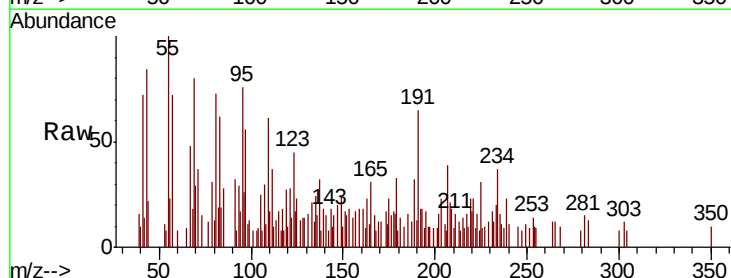
Instrument :
 BNA_F
 ClientSampleId :

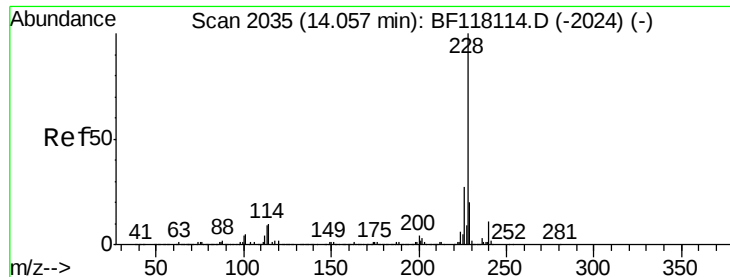
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	11.2	9.0	13.6



#80
 Butylbenzylphthalate
 Concen: 0.019 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. -0.03 min
 Lab File: BF118142.D
 Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	135.4	53.9	80.9#
206	35.6	15.2	22.8#

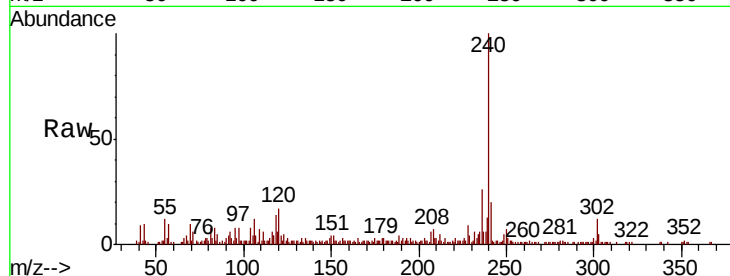




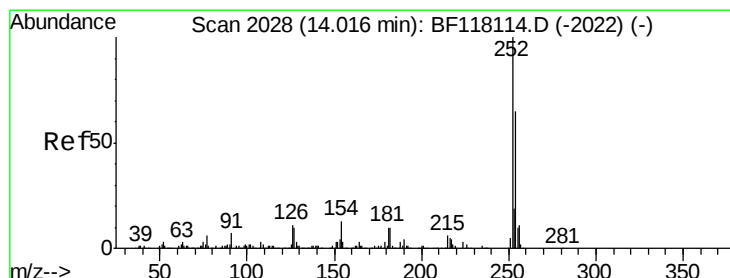
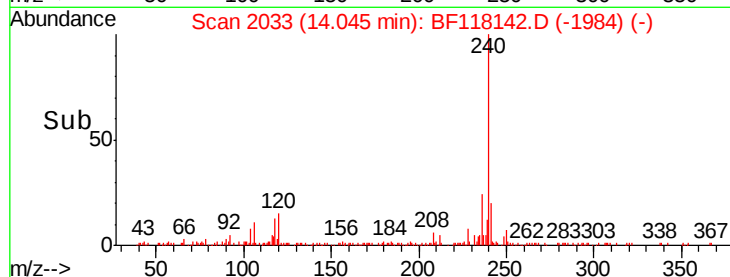
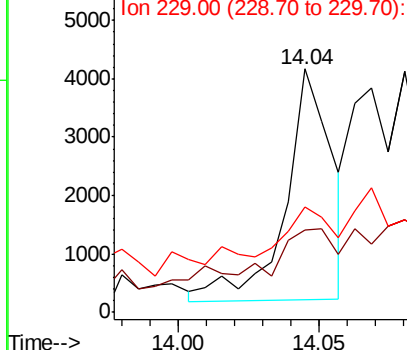
#81
Benzo(a)anthracene
Concen: 0.237 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 4505
Ion Ratio Lower Upper
228 100
226 34.0 21.8 32.8#
229 43.4 15.8 23.8#

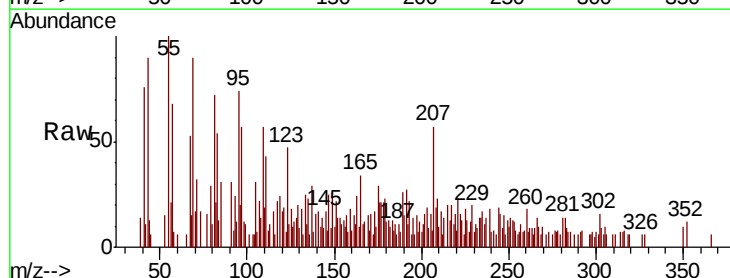


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

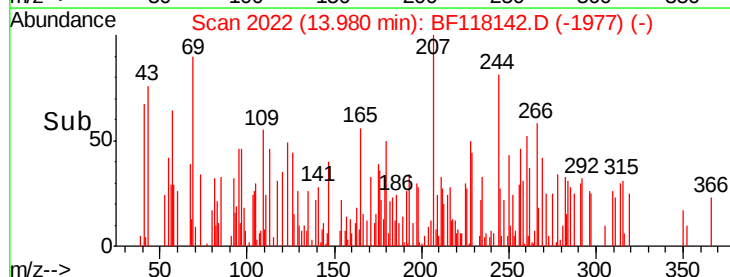
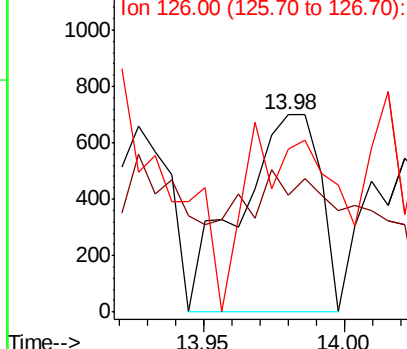


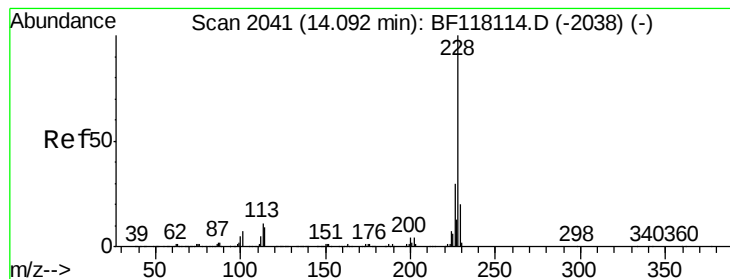
#82
3,3'-Dichlorobenzidine
Concen: 0.221 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.04 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion:252 Resp: 1377
Ion Ratio Lower Upper
252 100
254 59.3 52.2 78.4
126 82.5 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.346 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

Instrument :

BNA_F

ClientSampleId :

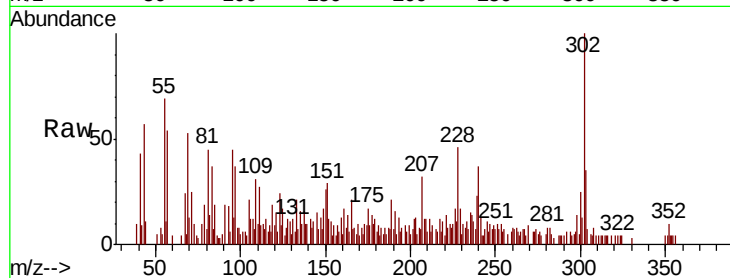
Tot Ion:228 Resp: 6276

Ion Ratio Lower Upper

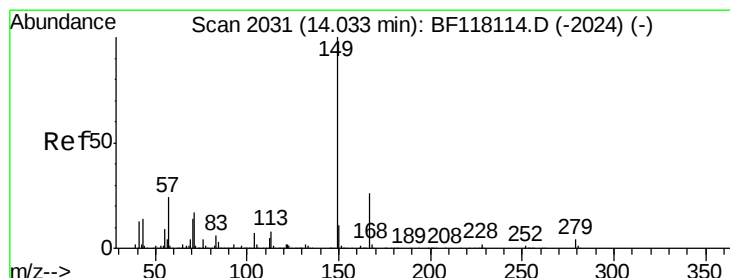
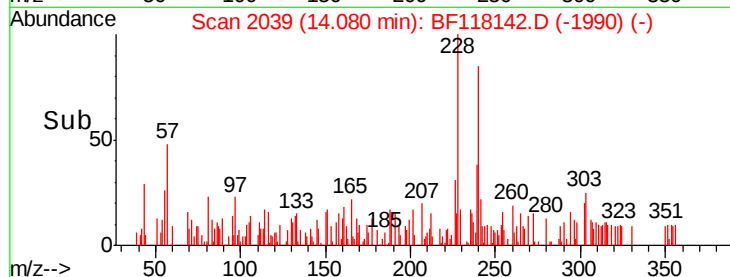
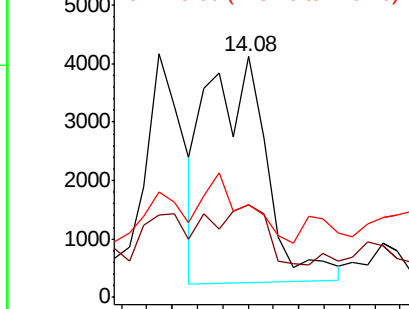
228 100

226 38.3 23.8 35.8#

229 38.4 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: 0.223 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118142.D

Acq: 7 Dec 2019 21:17

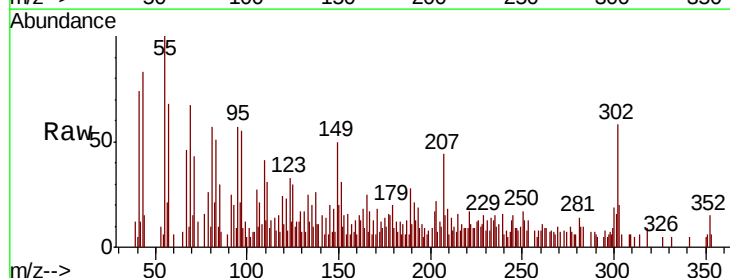
Tgt Ion:149 Resp: 2877

Ion Ratio Lower Upper

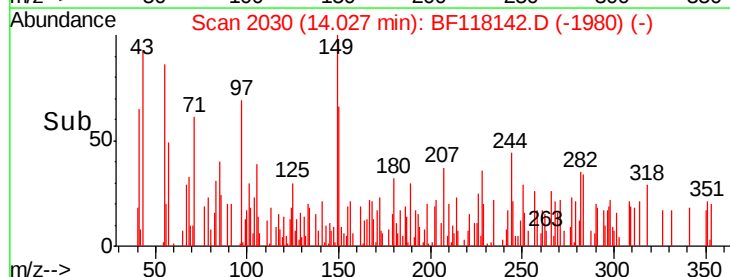
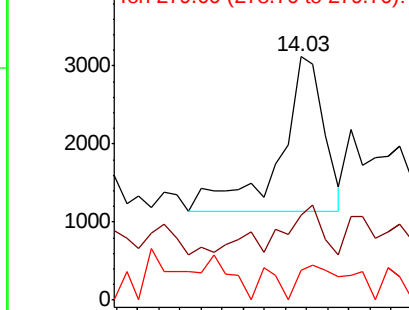
149 100

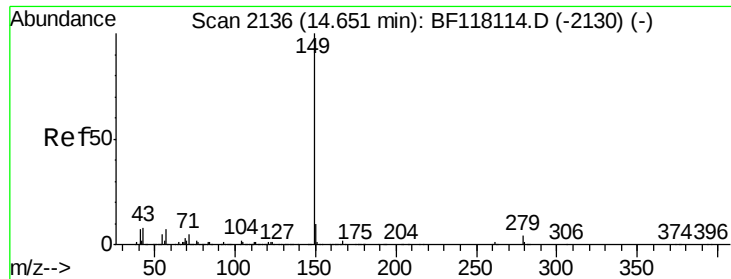
167 34.7 20.8 31.2#

279 12.5 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

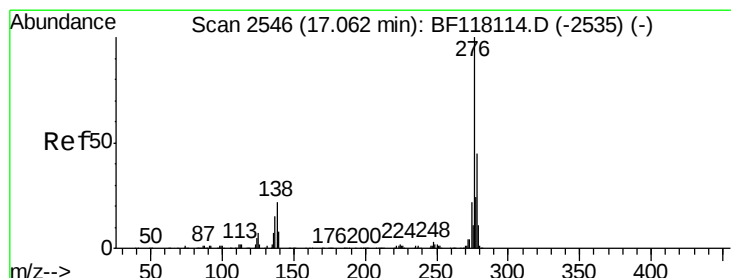
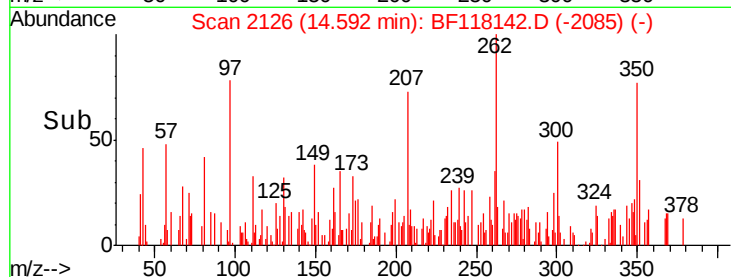
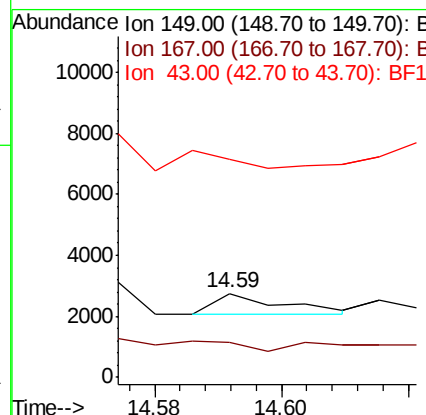
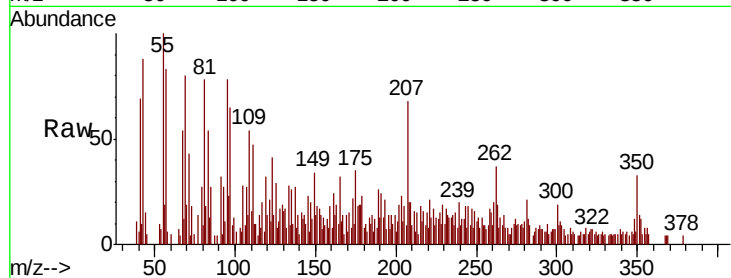




#85
Di-n-octyl phthalate
Concen: 0.027 ng
RT: 14.59 min Scan# 2126
Delta R.T. -0.06 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

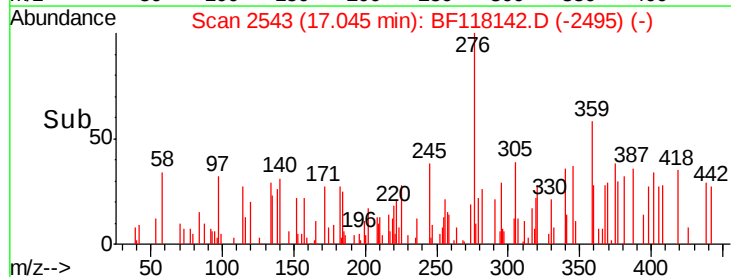
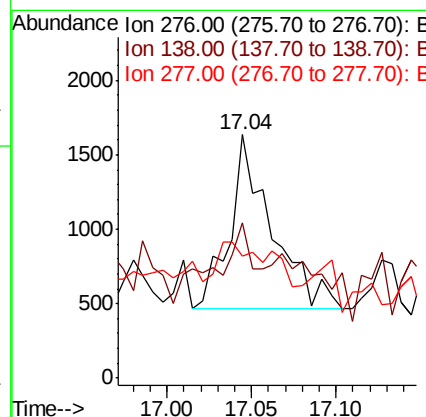
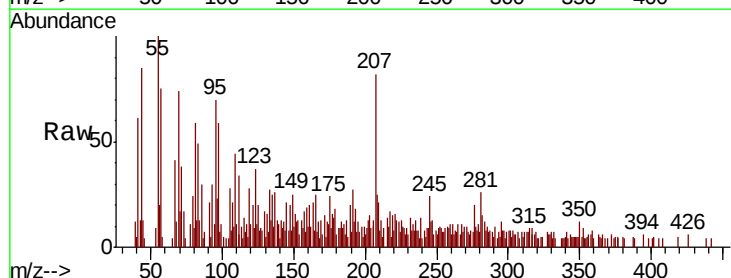
Instrument :
BNA_F
ClientSampleId :

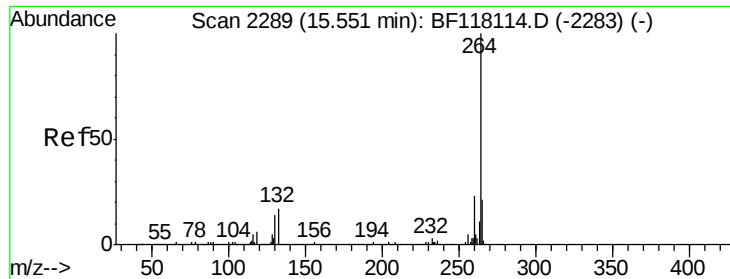
Tot Ion:149 Resp: 519
Ion Ratio Lower Upper
149 100
167 77.3 1.3 1.9#
43 0.0 6.5 9.7#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.133 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion:276 Resp: 2024
Ion Ratio Lower Upper
276 100
138 10.5 18.9 28.3#
277 29.1 20.4 30.6

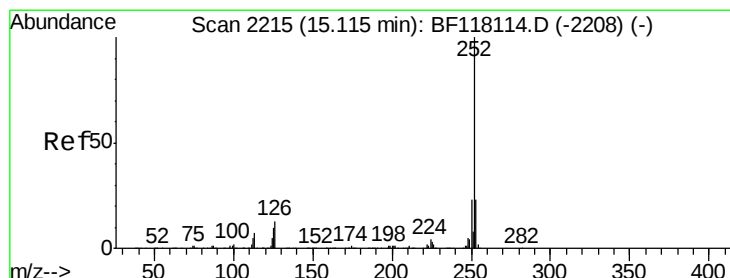
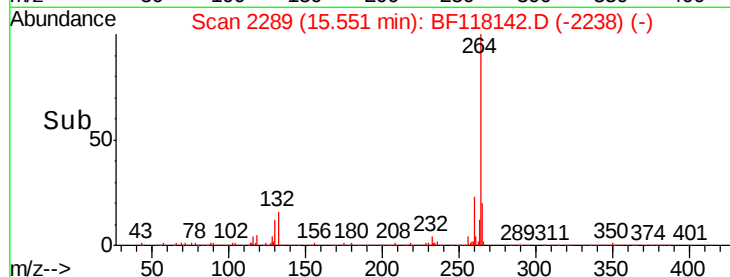
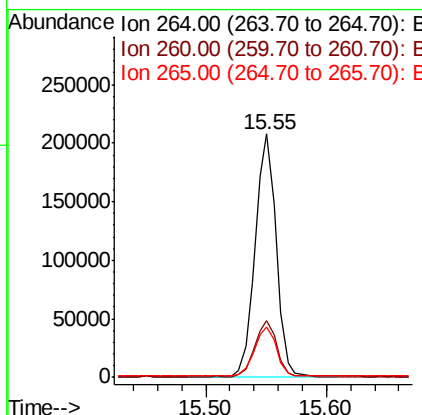
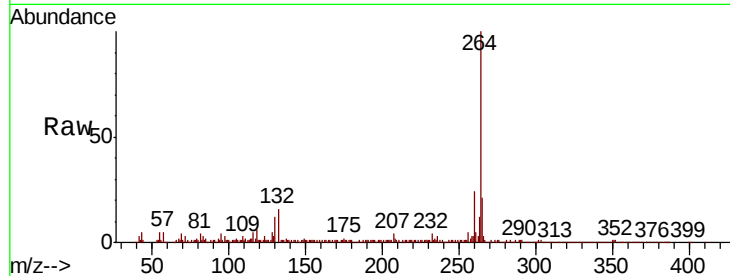




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

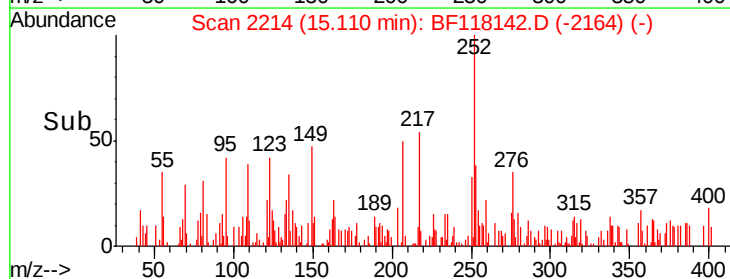
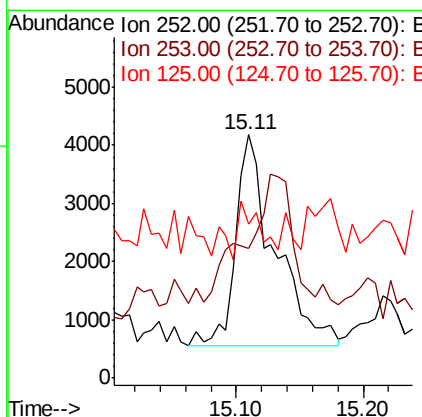
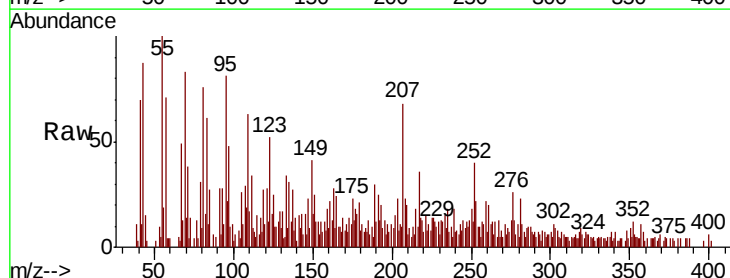
Instrument :
BNA_F
ClientSampleId :

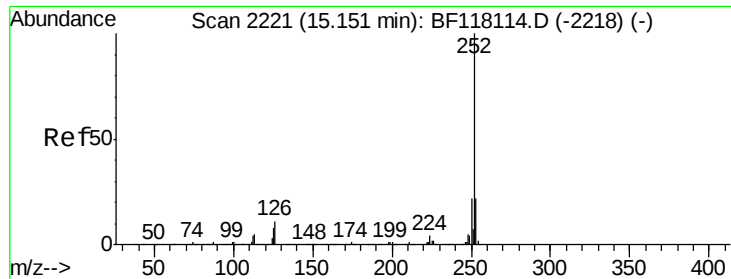
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	20.9	16.8	25.2



#88
Benzo(b)fluoranthene
Concen: 0.456 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	53.5	18.2	27.4#
125	63.1	8.3	12.5#

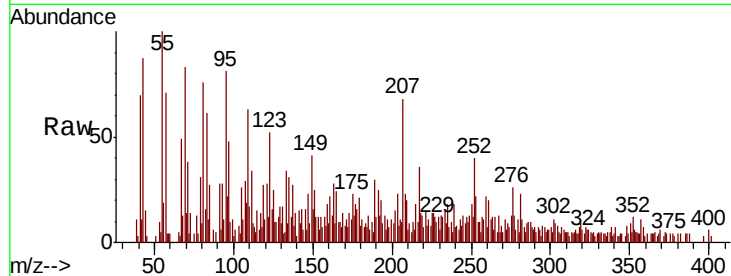




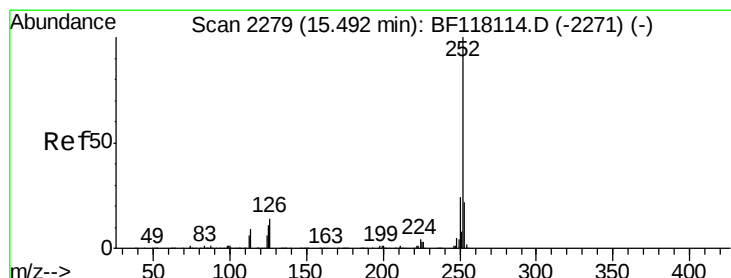
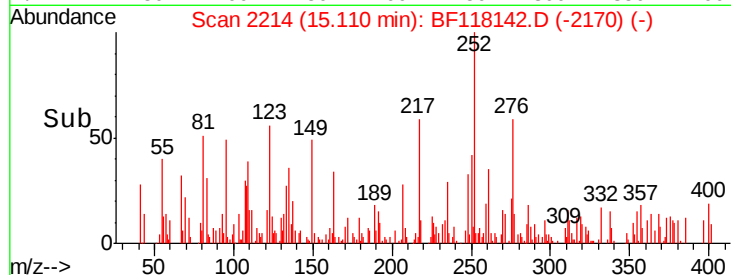
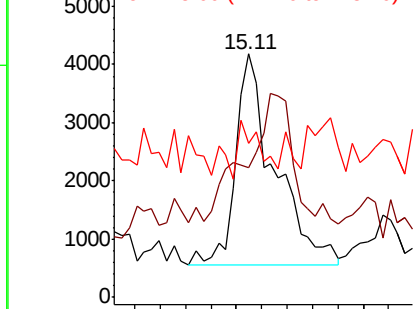
#89
Benzo(k)fluoranthene
Concen: 0.474 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 7633
Ion Ratio Lower Upper
252 100
253 53.5 17.6 26.4#
125 63.1 6.7 10.1#

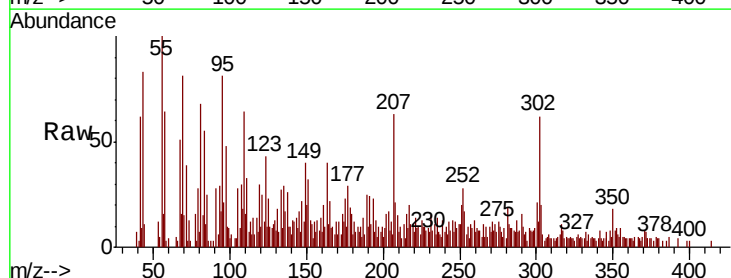


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

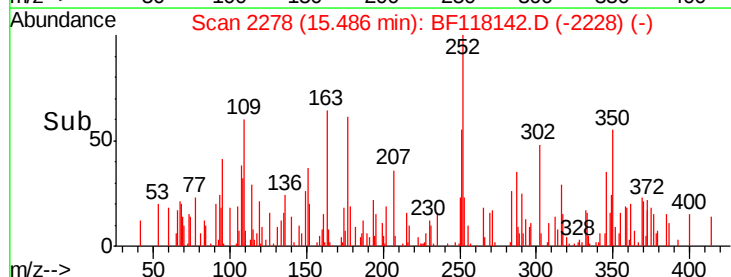
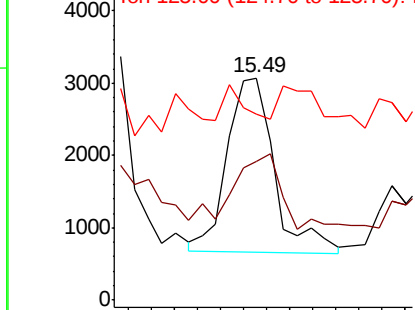


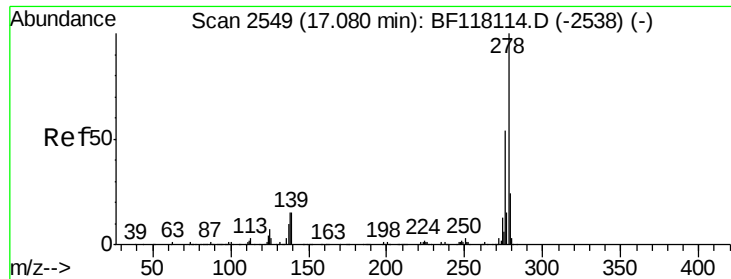
#90
Benzo(a)pyrene
Concen: 0.233 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion:252 Resp: 3441
Ion Ratio Lower Upper
252 100
253 62.4 17.5 26.3#
125 83.5 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

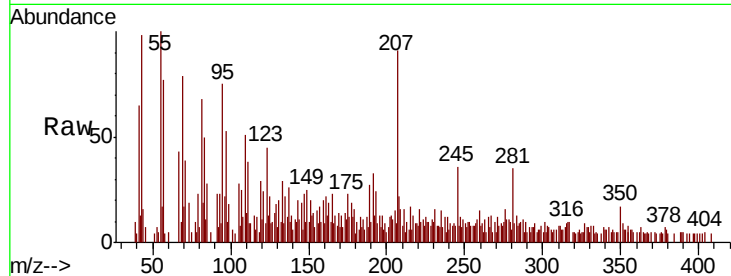




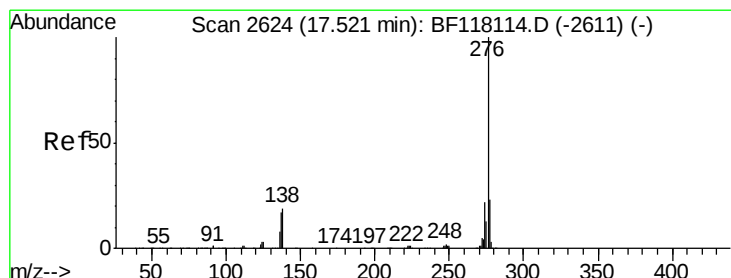
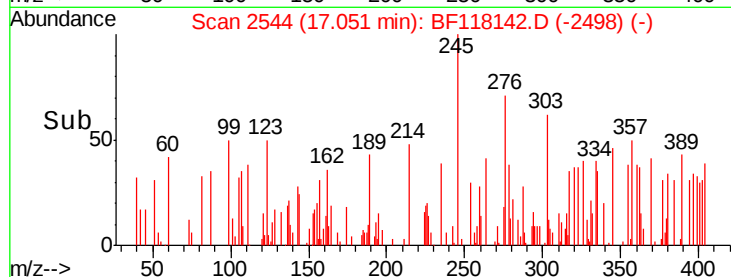
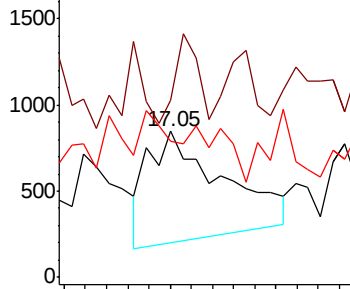
#91
Dibenzo(a,h)anthracene
Concen: 0.125 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.03 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	121.0	11.7	17.5#
279	93.1	19.0	28.4#

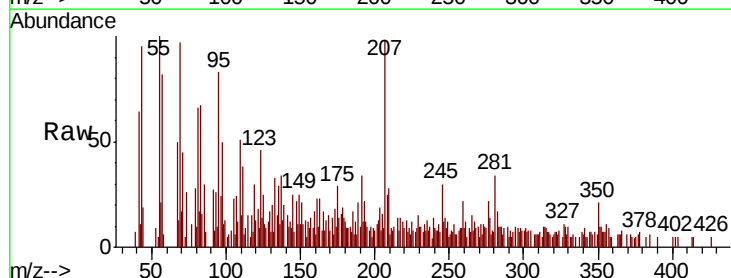


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.205 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF118142.D
Acq: 7 Dec 2019 21:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	65.5	18.2	27.4#
138	58.9	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

