

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117527.D
 Acq On : 24 Oct 2019 22:52
 Operator : JU
 Sample : K5498-19 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Quant Time: Oct 25 01:08:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	45721	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	184377	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	87576	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	117748	20.00	ng	0.00
76) Chrysene-d12	13.90	240	87195	20.00	ng	0.00
87) Perylene-d12	15.34	264	62326	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	159048	51.75	ng	0.00
7) Phenol-d6	6.39	99	224059	54.28	ng	0.01
23) Nitrobenzene-d5	7.30	82	131256	35.14	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	34026	44.90	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	235901	37.95	ng	0.00
79) Terphenyl-d14	12.83	244	152488	28.53	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.12	79	522	0.165	ng	# 32
6) Aniline	6.43	93	1338	0.276	ng	# 1
9) Benzaldehyde	6.40	77	134	Below Cal		# 3
10) Phenol	6.42	94	6007	1.426	ng	# 71
11) bis(2-Chloroethyl)ether	6.51	93	138	0.044	ng	# 1
12) 1,3-Dichlorobenzene	6.75	146	2584	0.714	ng	# 80
13) 1,4-Dichlorobenzene	6.75	146	2584	0.704	ng	# 87
14) 1,2-Dichlorobenzene	6.75	146	2584	0.747	ng	# 93
15) Benzyl Alcohol	6.89	79	2386	0.809	ng	# 53
18) Hexachloroethane	7.24	117	791	0.552	ng	# 3
19) n-Nitroso-di-n-propylamine	7.30	70	17048	6.763	ng	# 77
22) Acetophenone	7.16	105	1291	0.264	ng	# 55
24) Nitrobenzene	7.30	77	287	0.080	ng	# 41
25) Isophorone	7.30	82	131255	20.315	ng	# 65
31) Naphthalene	8.04	128	6542	0.716	ng	# 95
33) 4-Chloroaniline	8.09	127	111	0.029	ng	# 47
36) 4-Chloro-3-methylphenol	8.65	107	138	0.048	ng	# 22
37) 2-Methylnaphthalene	8.73	142	3607	0.586	ng	# 82
38) 1-Methylnaphthalene	8.83	142	2539	0.439	ng	# 83
46) 1,1'-Biphenyl	9.19	154	1413	0.195	ng	# 83
48) 2-Nitroaniline	9.43	65	401	0.223	ng	# 1
49) Acenaphthylene	9.63	152	5961	0.742	ng	# 93
50) Dimethylphthalate	9.49	163	32396	5.189	ng	# 98
51) 2,6-Dinitrotoluene	9.77	165	11260	8.643	ng	# 24
52) Acenaphthene	9.80	154	5446	1.106	ng	# 93
55) Dibenzofuran	9.97	168	4674	0.655	ng	# 94
56) 4-Nitrophenol	9.97	139	2090	6.854	ng	# 6
57) 2,4-Dinitrotoluene	9.77	165	11260	6.501	ng	# 14
58) Fluorene	10.32	166	7976	1.351	ng	# 88
60) Diethylphthalate	10.18	149	111	0.018	ng	# 60
63) Azobenzene	10.47	77	747	0.116	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	644	0.150	ng	# 45
67) 4-Bromophenyl-phenylether	10.56	248	2285	1.802	ng	# 1
71) Phenanthrene	11.28	178	104586	15.297	ng	# 98

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

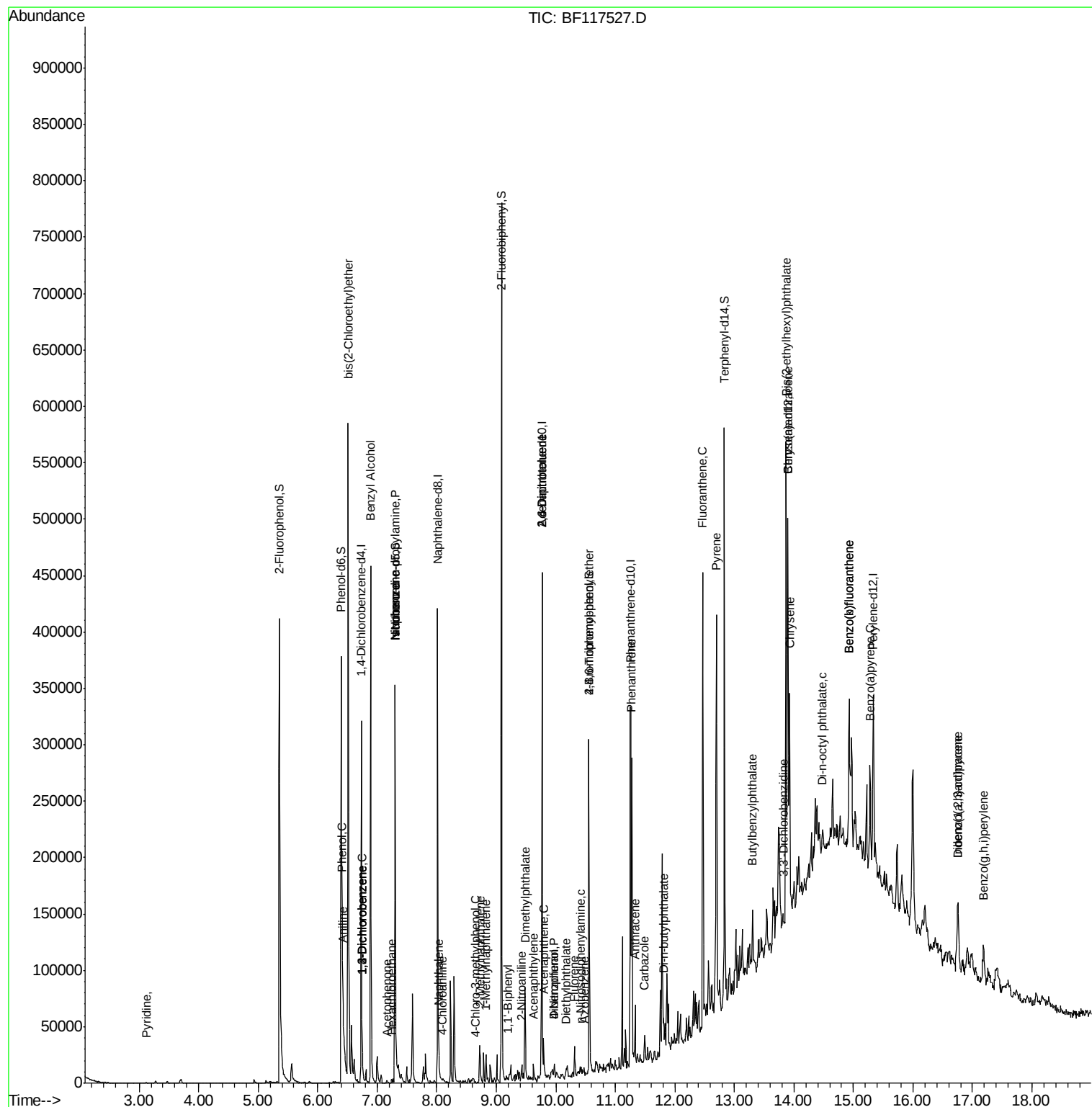
72) Anthracene	11.33	178	23810	3.394	nq	100
73) Carbazole	11.49	167	11558	1.803	nq	93
74) Di-n-butylphthalate	11.81	149	10534	1.230	nq #	96
75) Fluoranthene	12.47	202	155932	22.782	nq	98
77) Benzidine	12.69	184	113	Below	Cal #	67
78) Pyrene	12.70	202	143327	19.137	nq	99
80) Butylbenzylphthalate	13.31	149	12446	3.339	nq	95
81) Benzo(a)anthracene	13.89	228	71735	12.196	nq	100
82) 3,3'-Dichlorobenzidine	13.83	252	110	0.060	nq #	1
83) Chrysene	13.93	228	75899	13.167	nq	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	111089	21.278	nq #	95
85) Di-n-octyl phthalate	14.48	149	5851	0.729	nq #	83
86) Indeno(1,2,3-cd)pyrene	16.76	276	23074	5.361	nq	90
88) Benzo(b)fluoranthene	14.93	252	86594	23.528	nq #	95
89) Benzo(k)fluoranthene	14.93	252	86594	22.956	nq #	95
90) Benzo(a)pyrene	15.28	252	43156	12.897	nq #	90
91) Dibenzo(a,h)anthracene	16.76	278	6001	2.074	nq #	59
92) Benzo(g,h,i)perylene	17.19	276	24528	8.959	nq	95

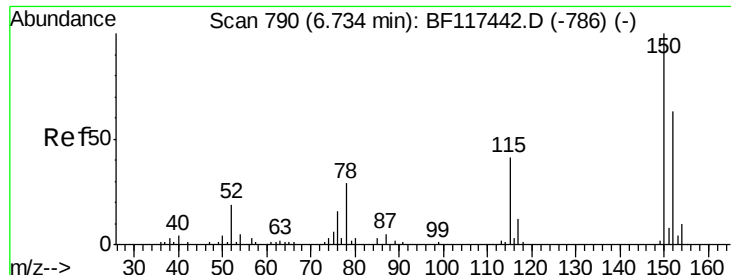
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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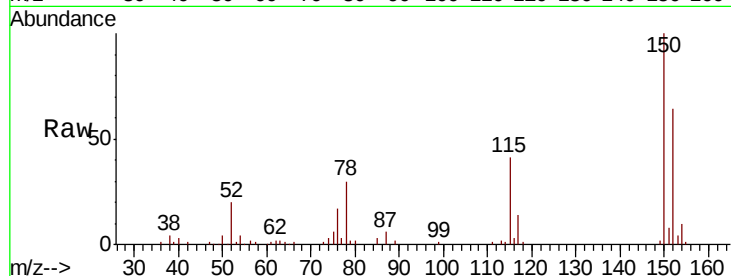


#1

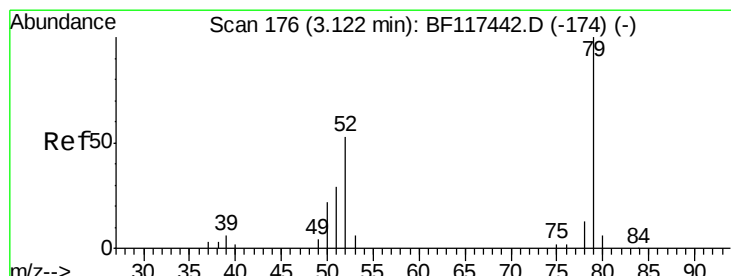
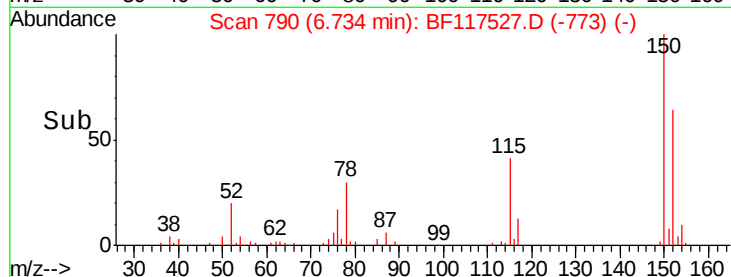
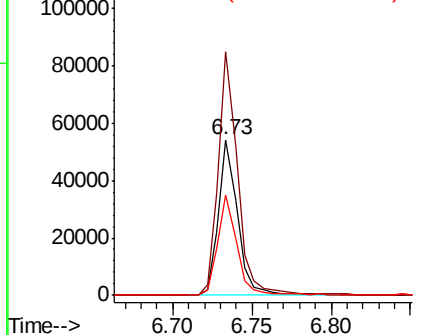
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Tot Ion:152 Resp: 45721
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.8 190.2
 115 64.8 51.6 77.4



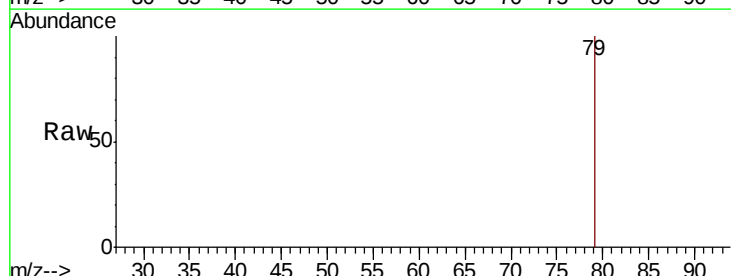
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



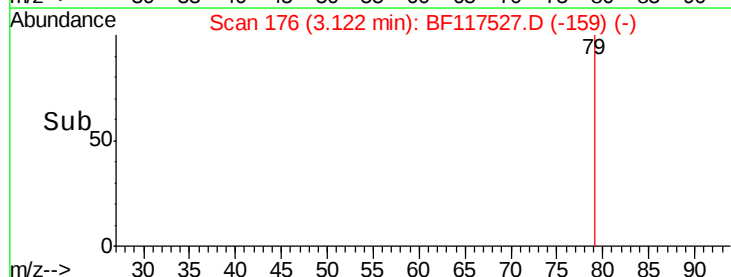
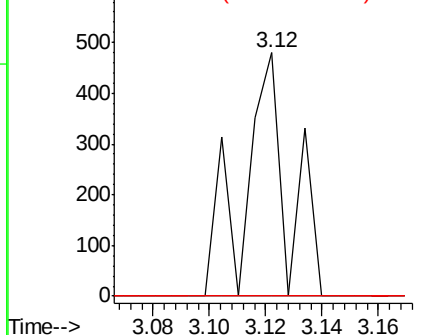
#3

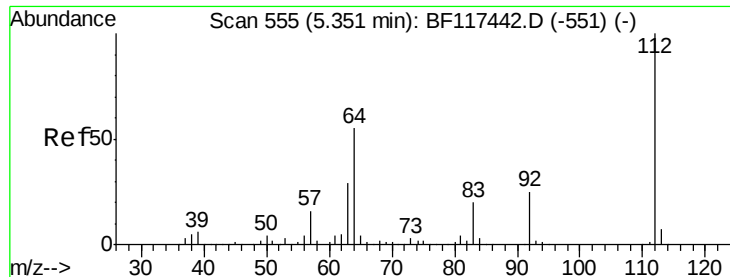
Pyridine
 Concen: 0.165 ng
 RT: 3.12 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion: 79 Resp: 522
 Ion Ratio Lower Upper
 79 100
 52 0.0 42.4 63.6#
 51 0.0 23.3 34.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 51.752 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

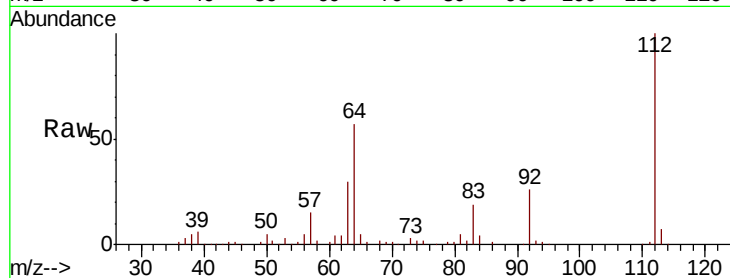
Tot Ion: 112 Resp: 159048

Ion Ratio Lower Upper

112 100

64 57.4 44.1 66.1

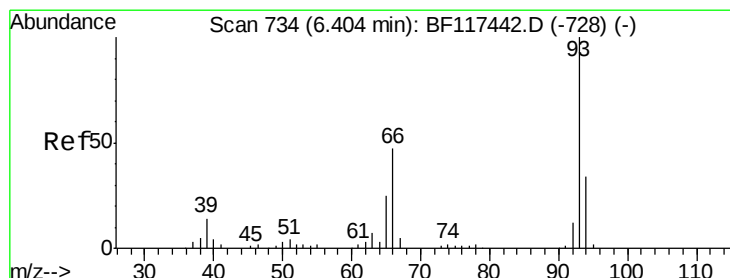
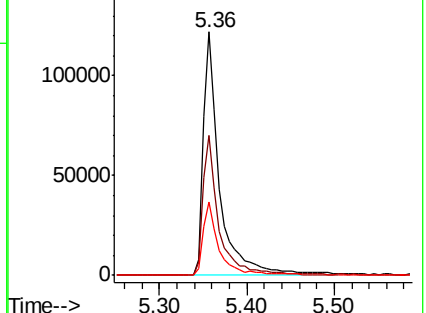
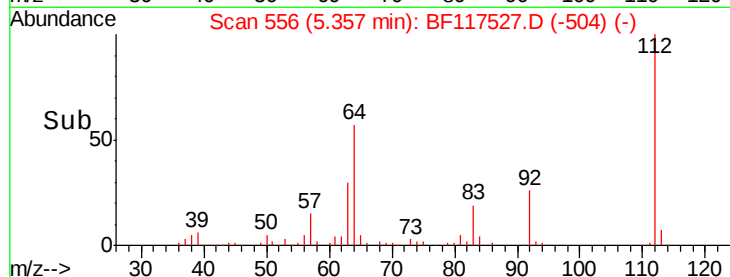
63 30.0 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.276 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.02 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

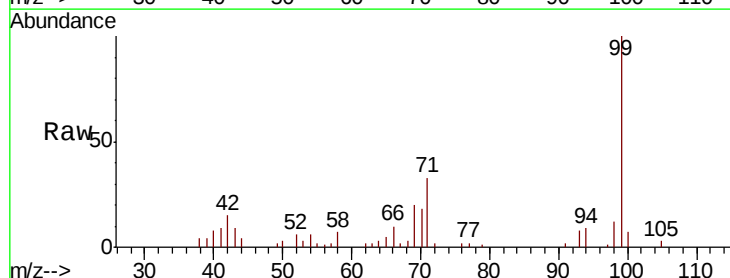
Tgt Ion: 93 Resp: 1338

Ion Ratio Lower Upper

93 100

66 131.6 38.7 58.1#

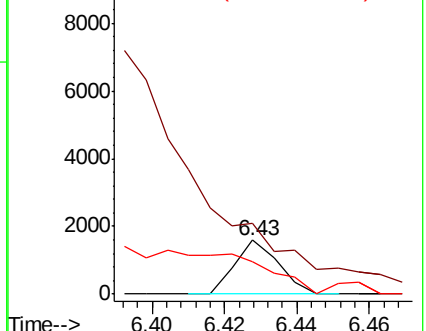
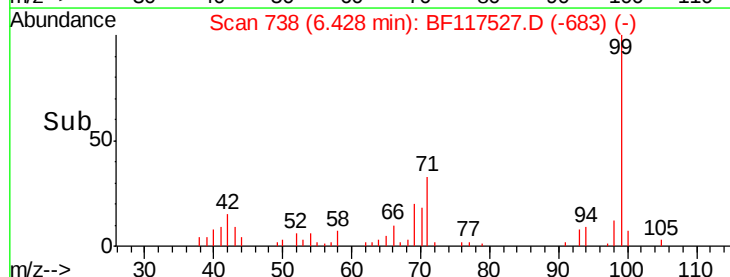
65 61.2 20.1 30.1#

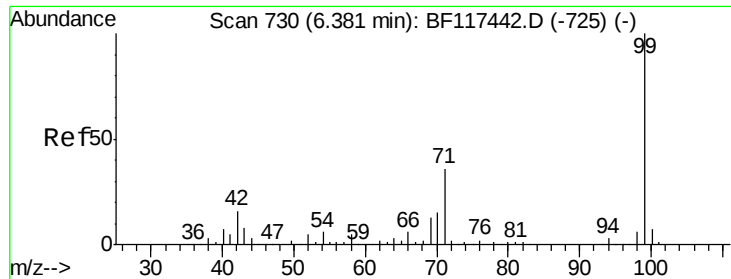


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 54.281 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117527.D

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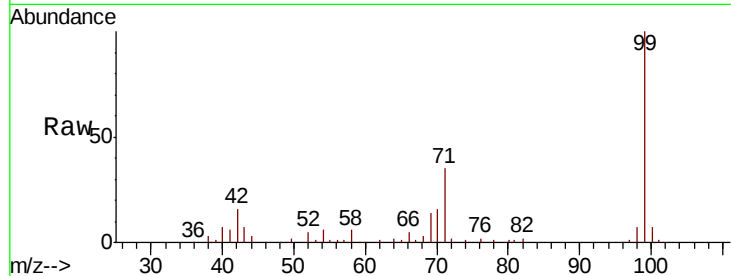
Tot Ion: 99 Resp: 224059

Ion Ratio Lower Upper

99 100

42 16.1 12.8 19.2

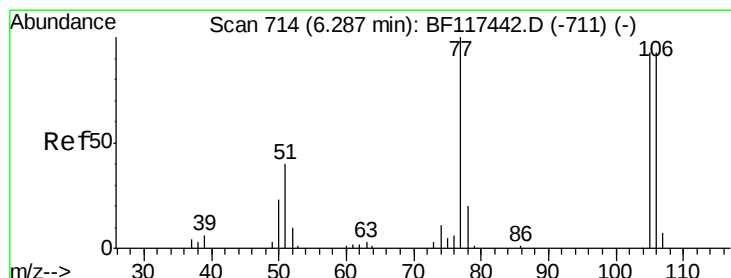
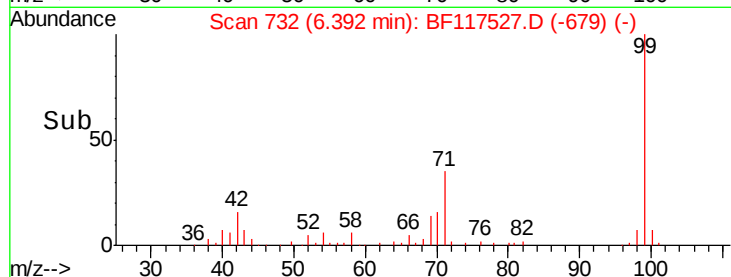
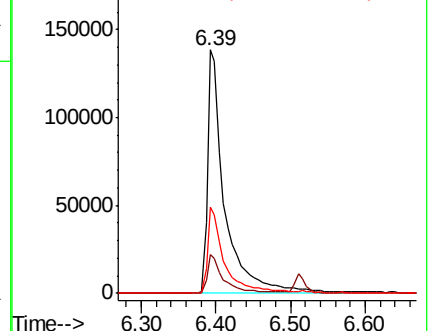
71 35.5 28.6 43.0



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: 6.40 min Scan# 733

Delta R.T. 0.11 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

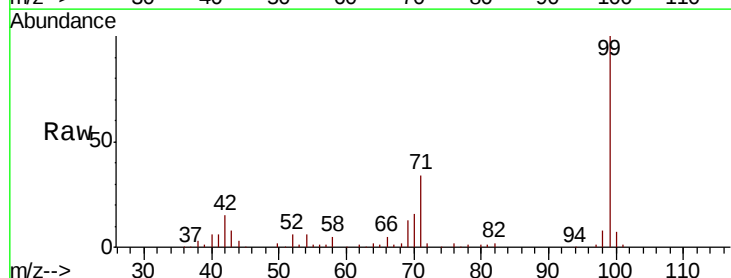
Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

77 100

105 0.0 73.4 113.4#

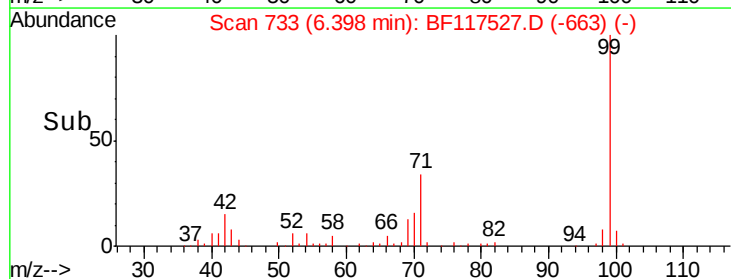
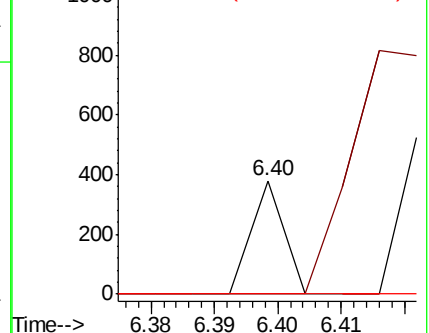
106 0.0 73.0 113.0#

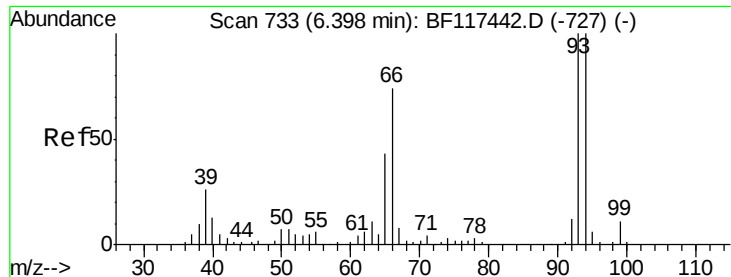


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.426 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

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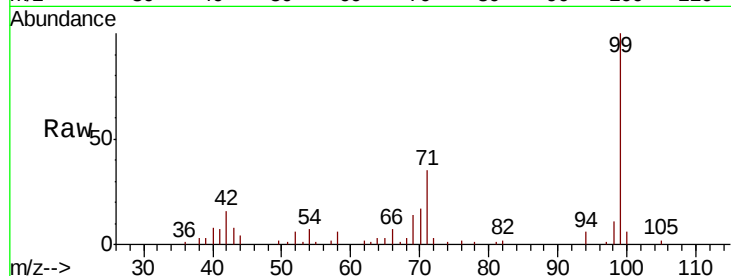
Tot Ion: 94 Resp: 6007

Ion Ratio Lower Upper

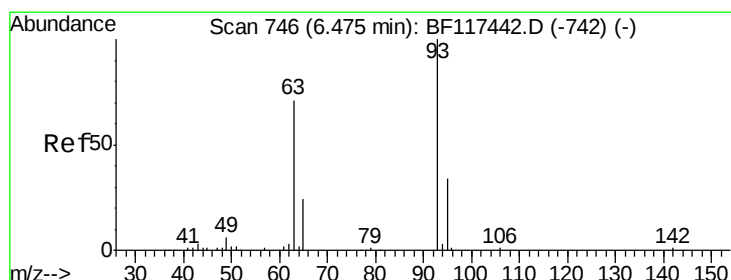
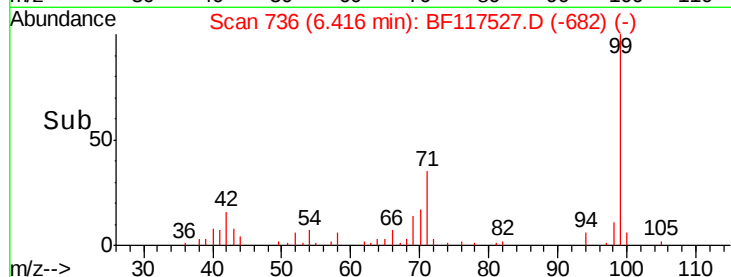
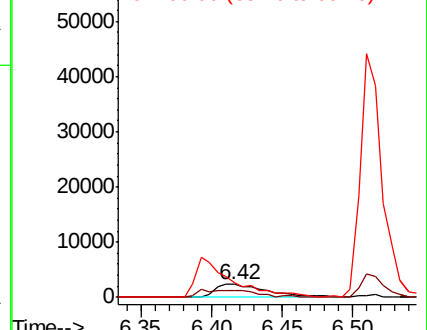
94 100

65 49.6 23.4 63.4

66 109.3 54.7 94.7#



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: 0.044 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

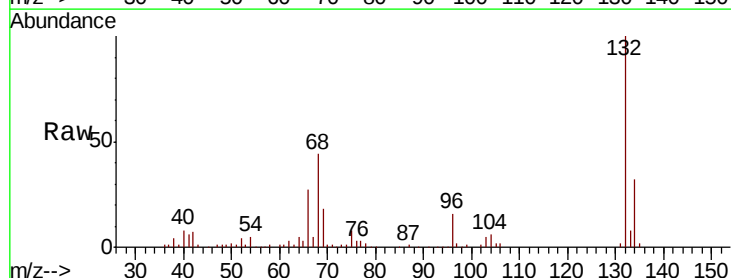
Tgt Ion: 93 Resp: 138

Ion Ratio Lower Upper

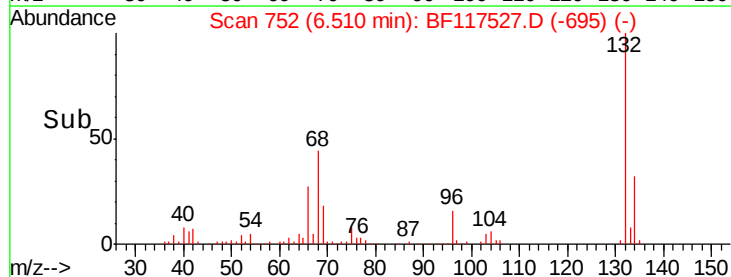
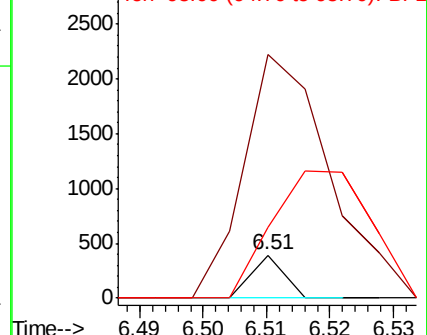
93 100

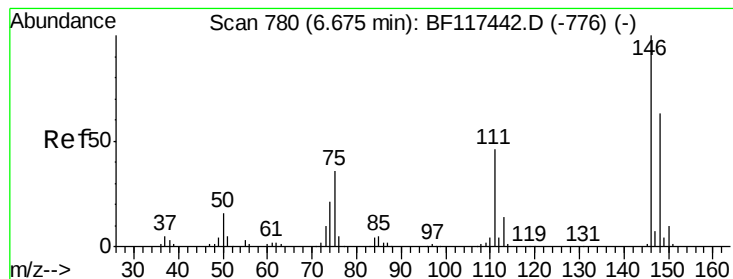
63 566.8 50.2 90.2#

95 164.5 13.9 53.9#



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: 0.714 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.08 min

Lab File: BF117527.D

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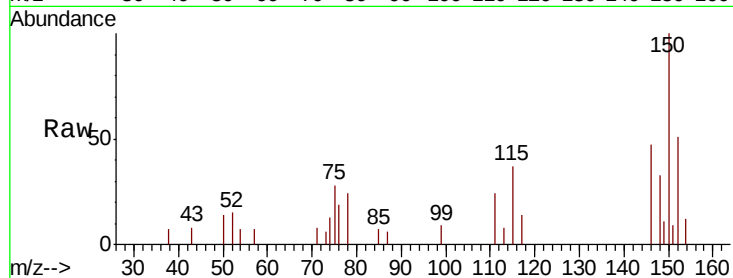
Tot Ion:146 Resp: 2584

Ion Ratio Lower Upper

146 100

148 70.0 50.6 75.8

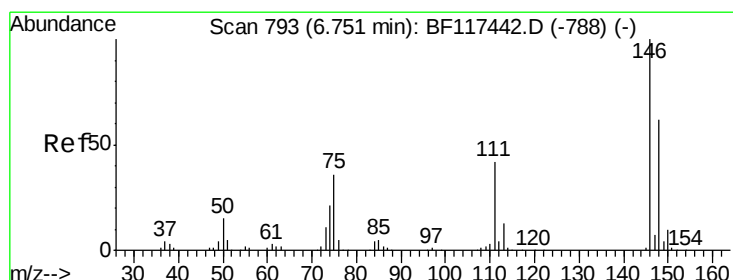
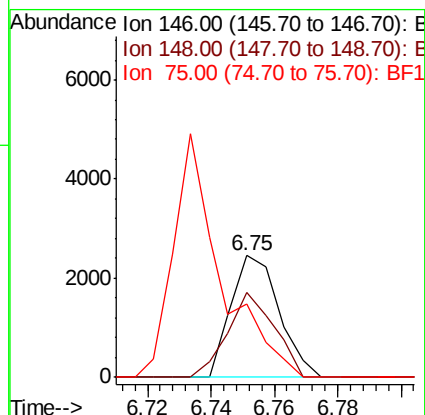
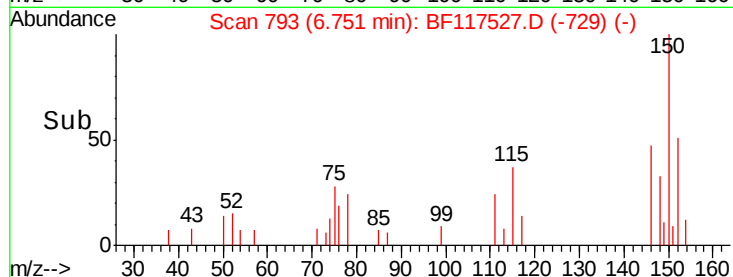
75 60.0 28.6 43.0#



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: 0.704 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

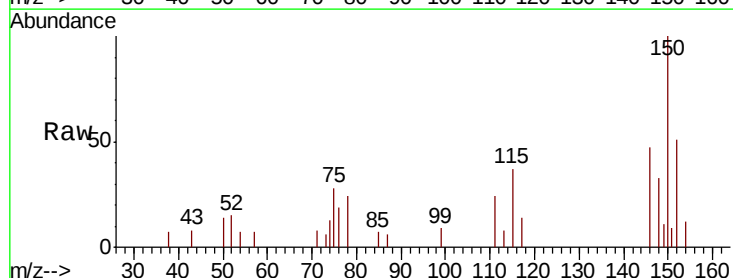
Tgt Ion:146 Resp: 2584

Ion Ratio Lower Upper

146 100

148 70.0 49.3 73.9

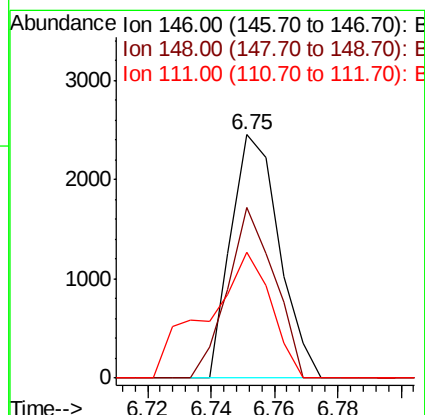
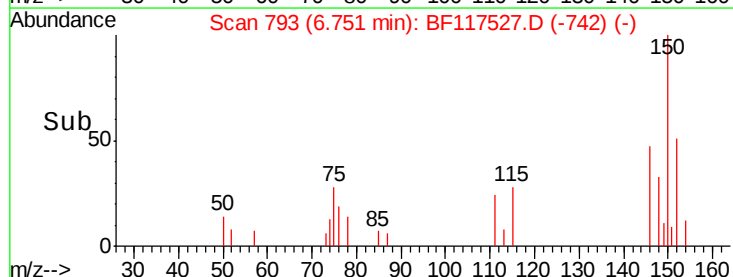
111 51.7 33.6 50.4#

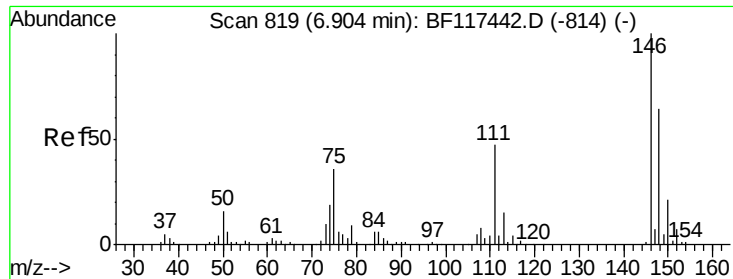


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.747 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.15 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

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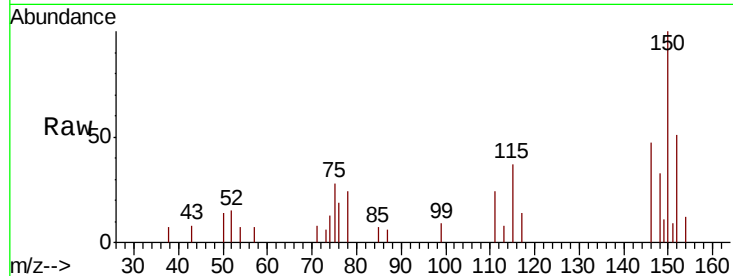
Tot Ion:146 Resp: 2584

Ion Ratio Lower Upper

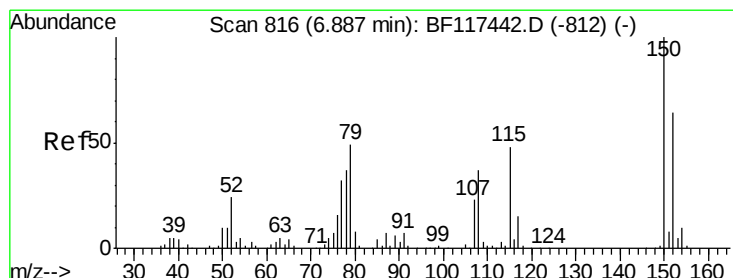
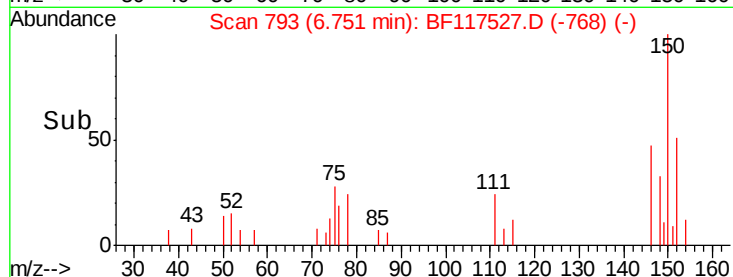
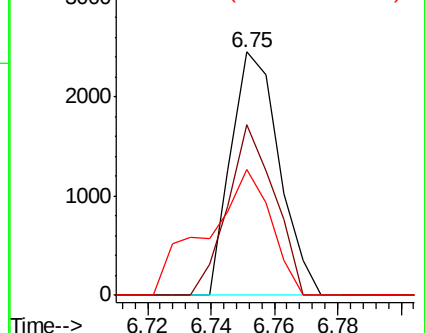
146 100

148 70.0 51.4 77.0

111 51.7 37.7 56.5



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: 0.809 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

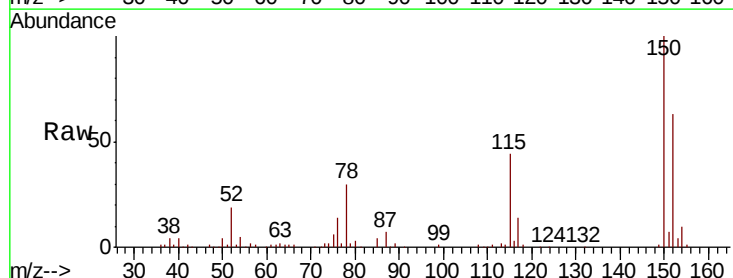
Tgt Ion: 79 Resp: 2386

Ion Ratio Lower Upper

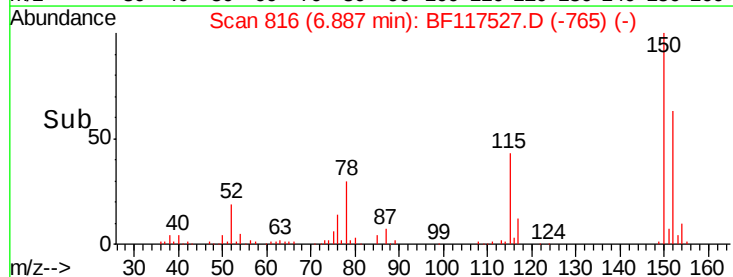
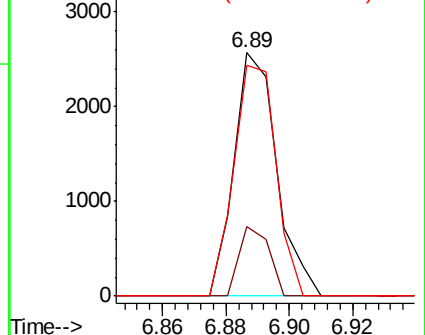
79 100

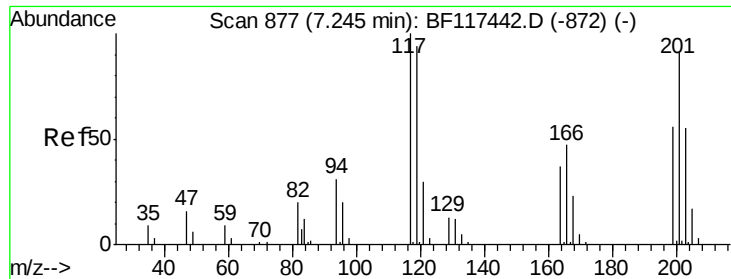
108 28.3 59.8 89.8#

77 94.8 51.4 77.0#



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

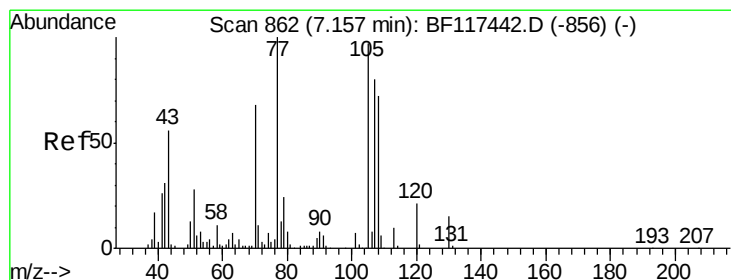
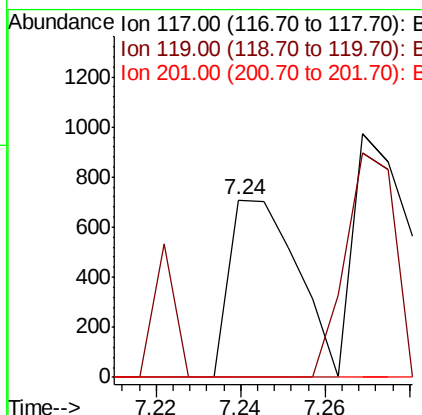
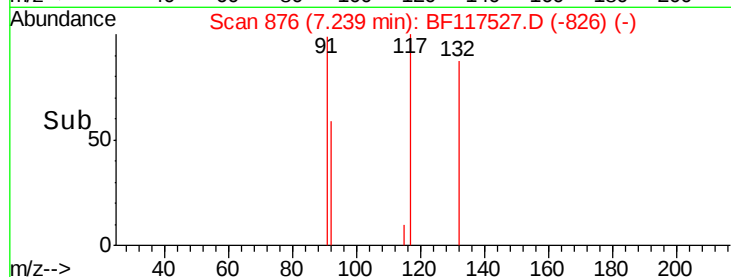
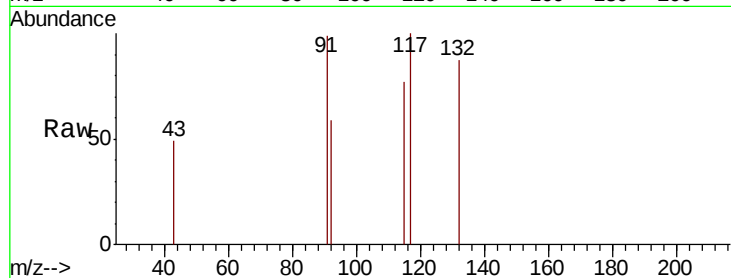




#18
Hexachloroethane
Concen: 0.552 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

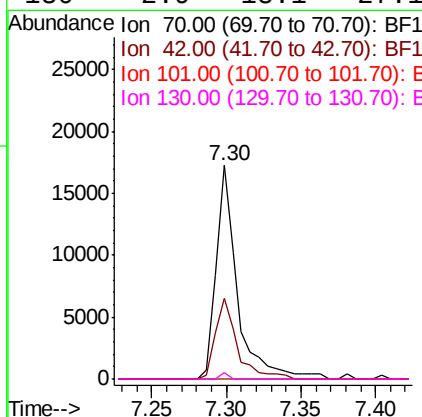
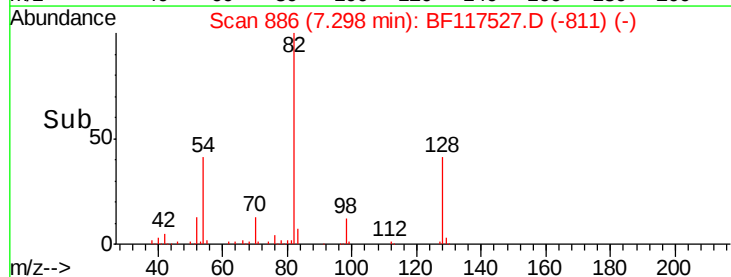
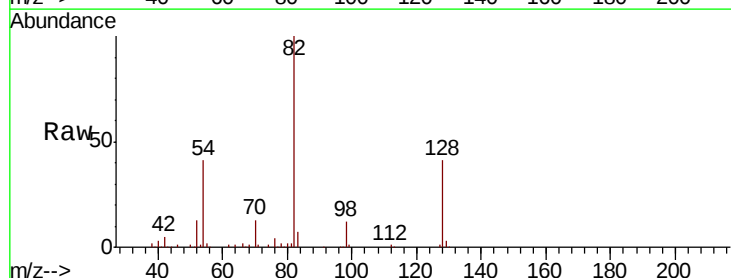
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

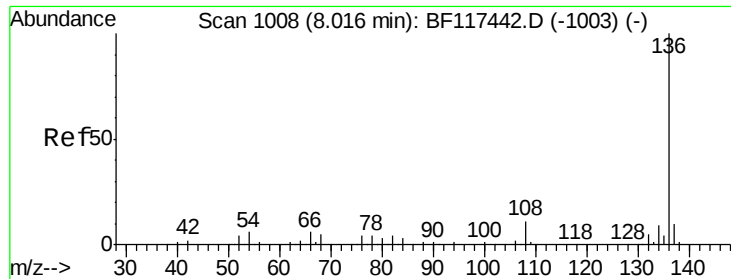
Tot Ion:117 Resp: 791
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
201 0.0 72.5 108.7#



#19
n-Nitroso-di-n-propylamine
Concen: 6.763 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion: 70 Resp: 17048
Ion Ratio Lower Upper
70 100
42 37.5 36.7 55.1
101 0.0 8.3 12.5#
130 2.9 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

Tot Ion:136 Resp: 184377

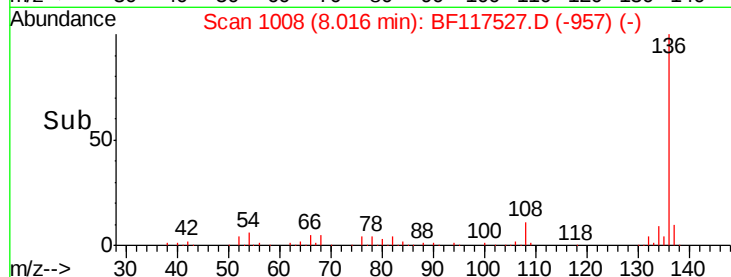
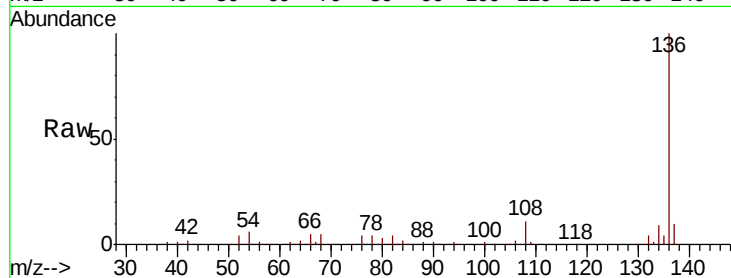
Ion Ratio Lower Upper

136 100

137 10.2 8.2 12.4

54 5.6 4.5 6.7

68 5.3 4.3 6.5

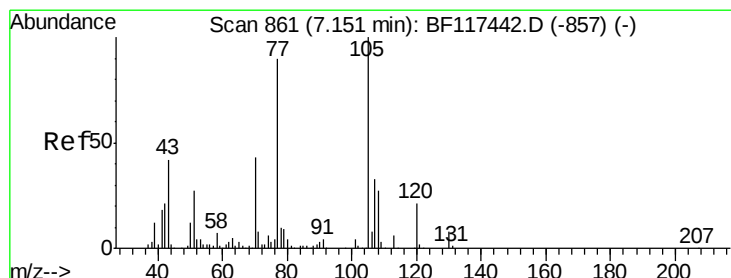
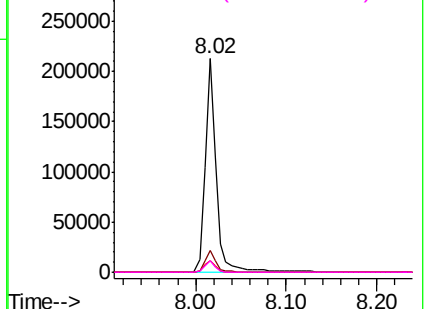


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 0.264 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Tgt Ion:105 Resp: 1291

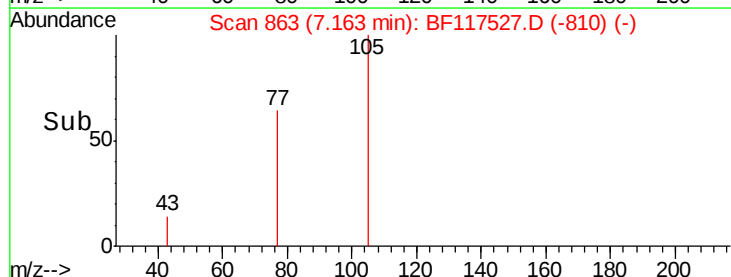
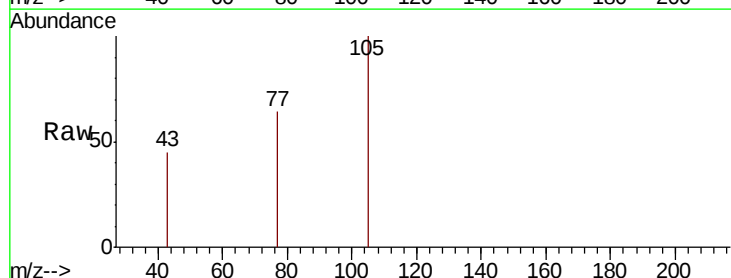
Ion Ratio Lower Upper

105 100

71 0.0 6.2 9.2#

51 0.0 21.8 32.6#

120 0.0 16.7 25.1#

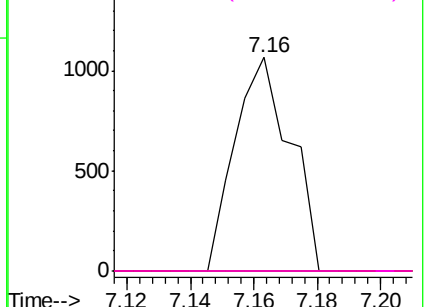


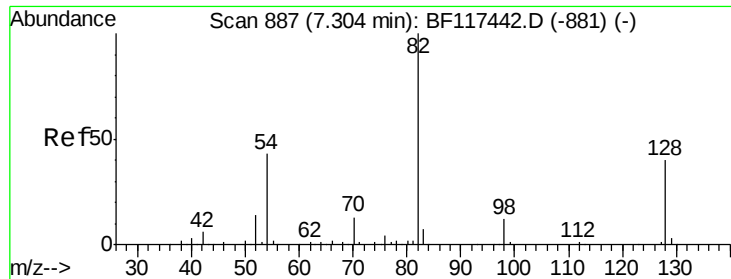
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

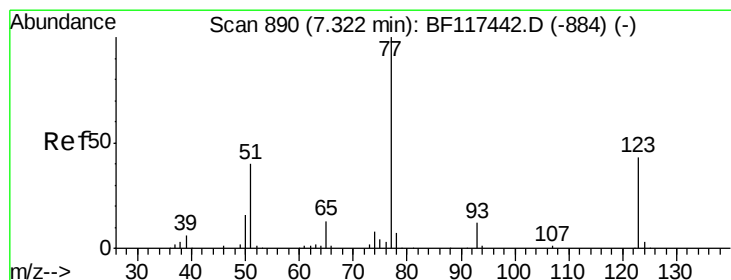
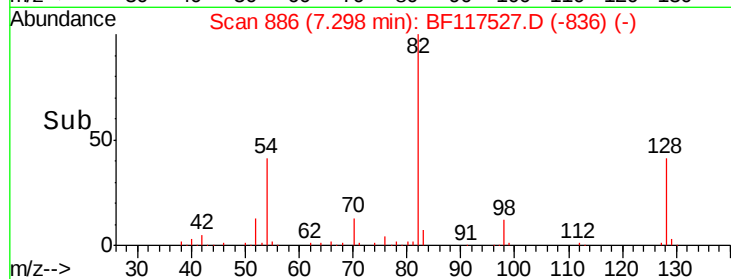
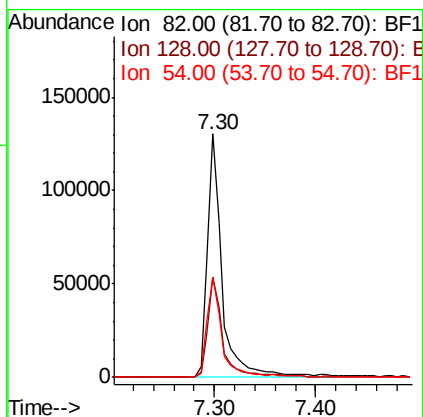
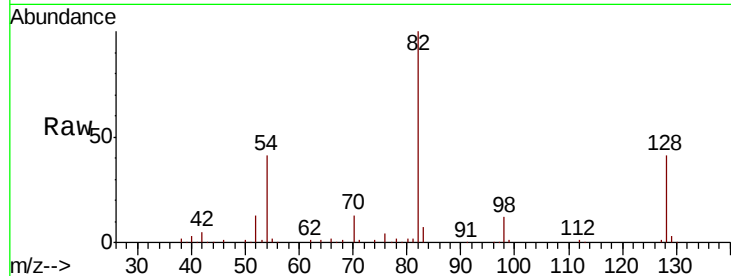




#23
Nitrobenzene-d5
Concen: 35.144 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

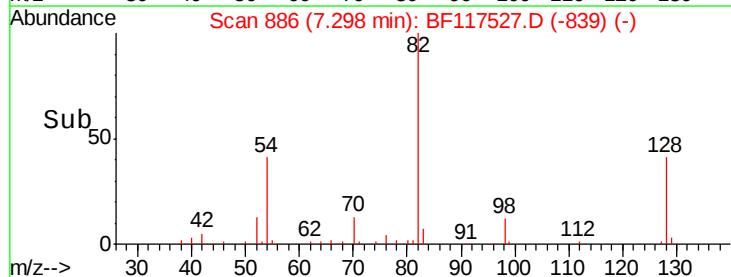
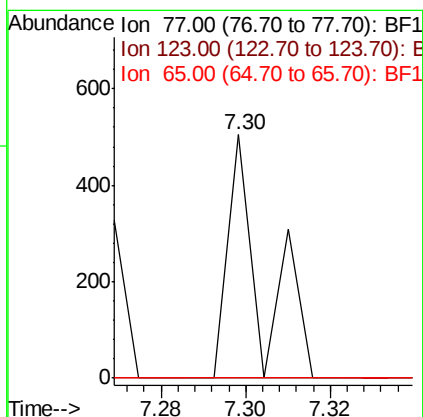
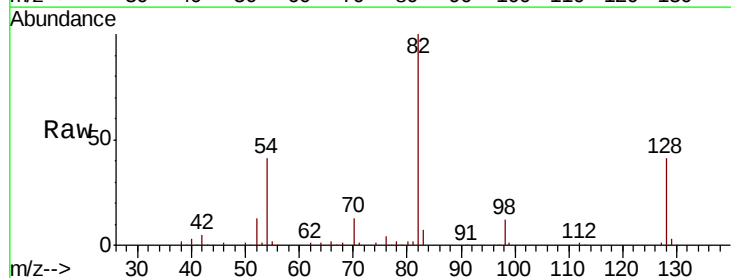
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

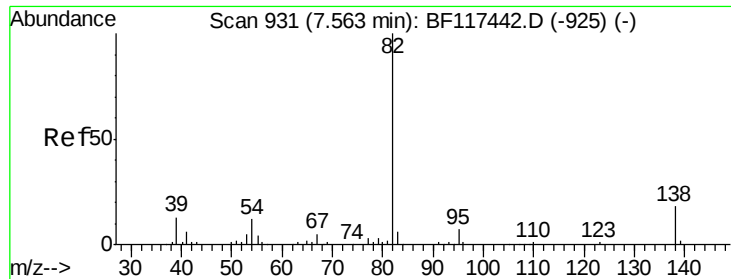
Tot Ion: 82 Resp: 131256
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.2
54 41.3 34.2 51.2



#24
Nitrobenzene
Concen: 0.080 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion: 77 Resp: 287
Ion Ratio Lower Upper
77 100
123 0.0 34.2 51.2#
65 0.0 10.3 15.5#





#25

Isophorone

Concen: 20.315 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

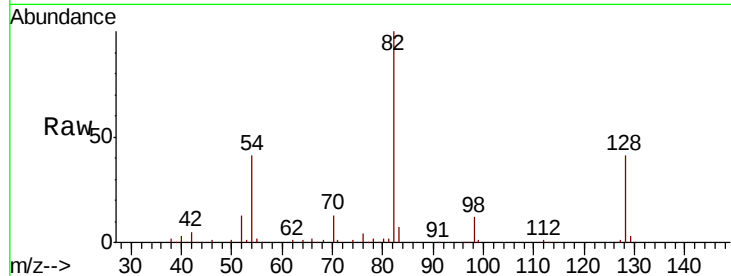
Tot Ion: 82 Resp: 131255

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

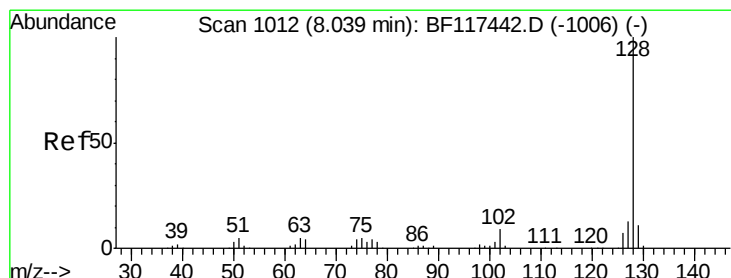
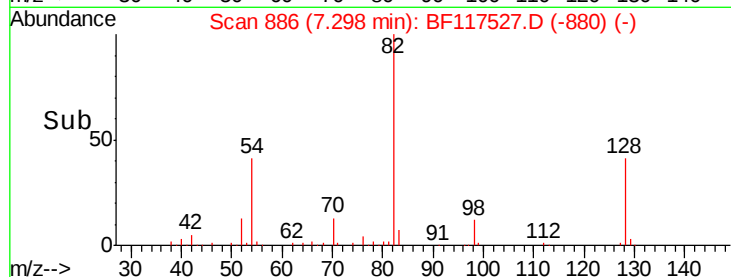
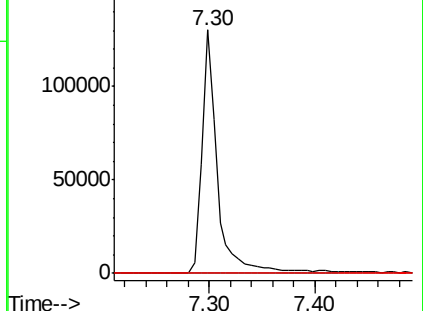
138 0.0 14.2 21.2#



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: 0.716 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

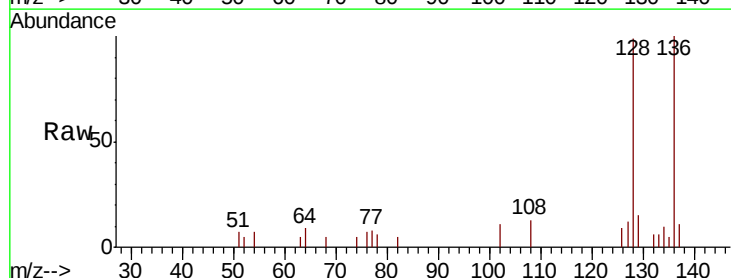
Tgt Ion: 128 Resp: 6542

Ion Ratio Lower Upper

128 100

129 14.9 9.0 13.4#

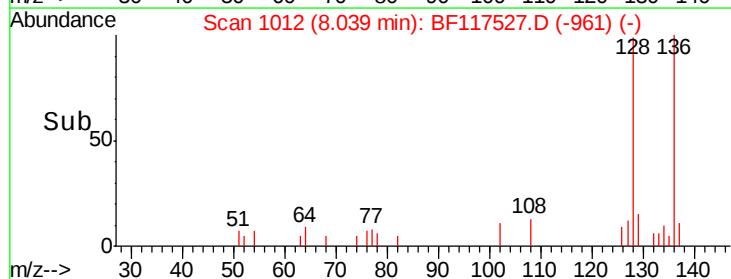
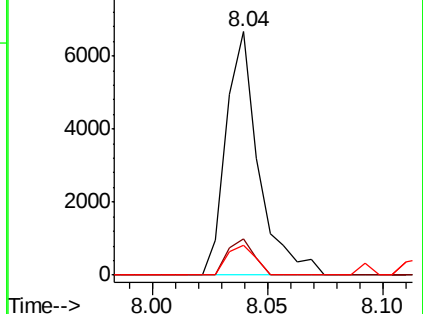
127 12.5 10.2 15.2

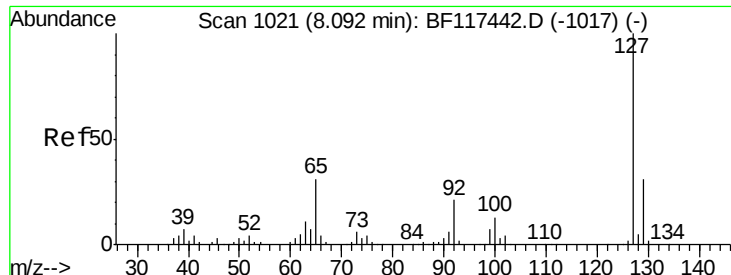


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

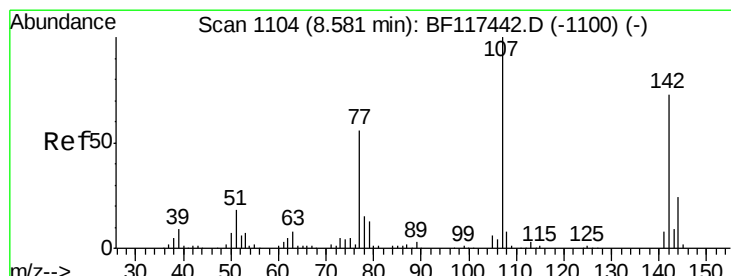
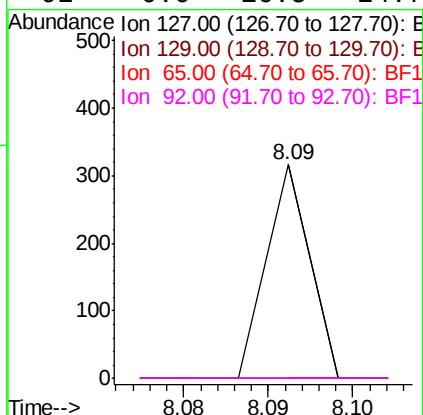
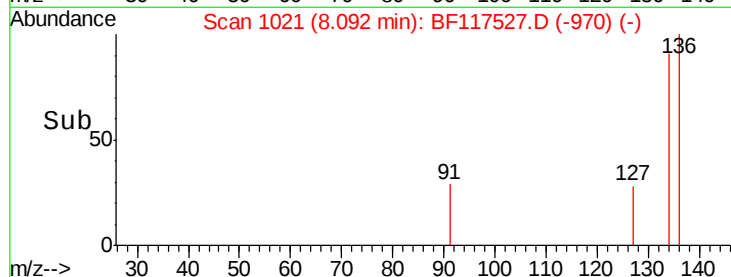
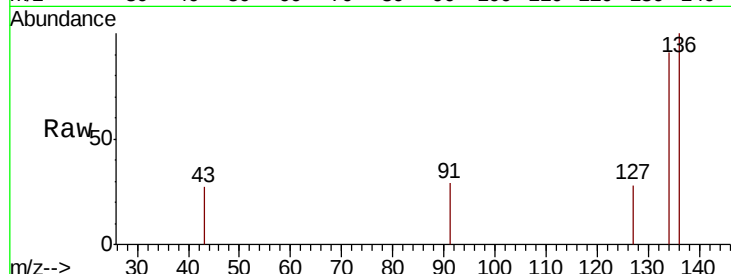




#33
4-Chloroaniline
Concen: 0.029 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

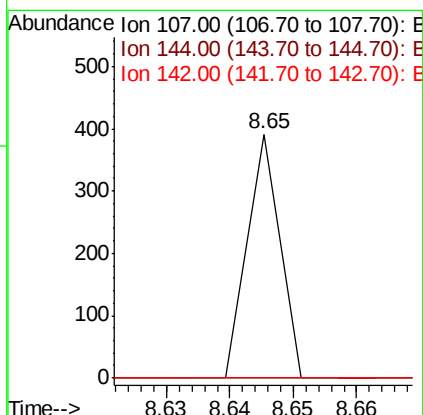
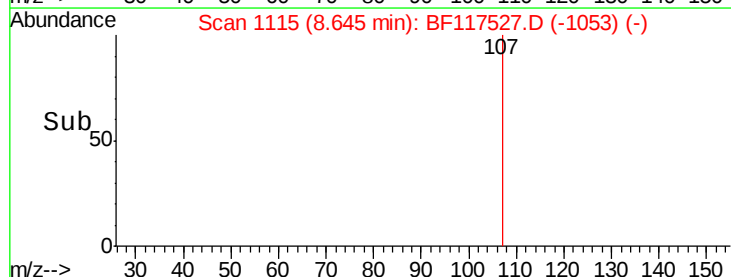
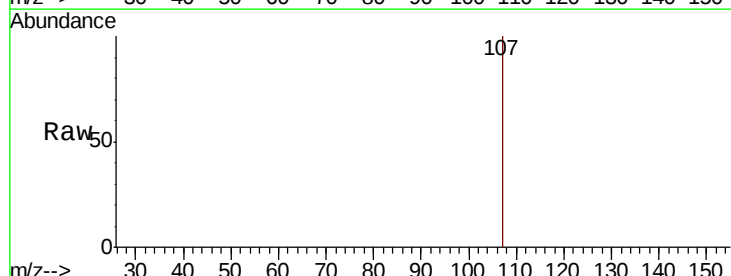
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

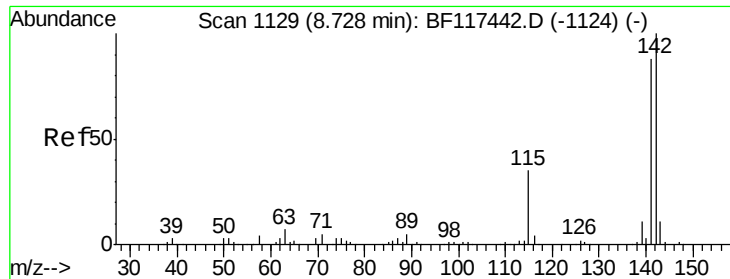
Tot Ion:	127	Resp:	111
Ion	Ratio	Lower	Upper
127	100		
129	0.0	24.8	37.2#
65	0.0	24.6	37.0#
92	0.0	16.5	24.7#



#36
4-Chloro-3-methylphenol
Concen: 0.048 ng
RT: 8.65 min Scan# 1115
Delta R.T. 0.06 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:	107	Resp:	138
Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.9	28.3#
142	0.0	58.6	88.0#

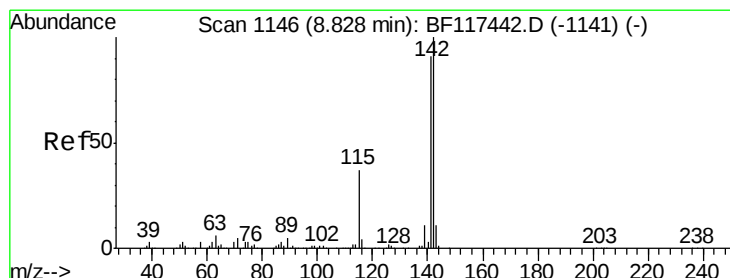
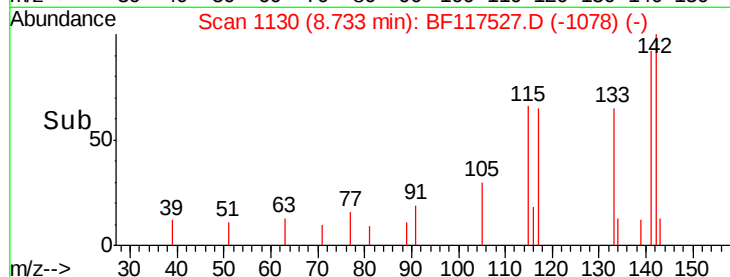
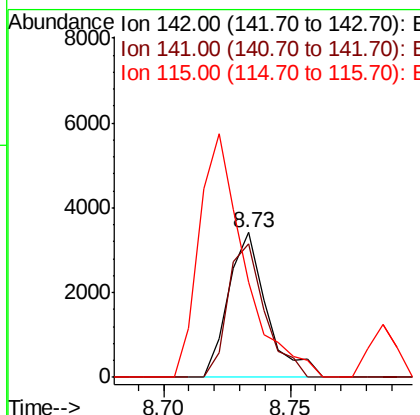
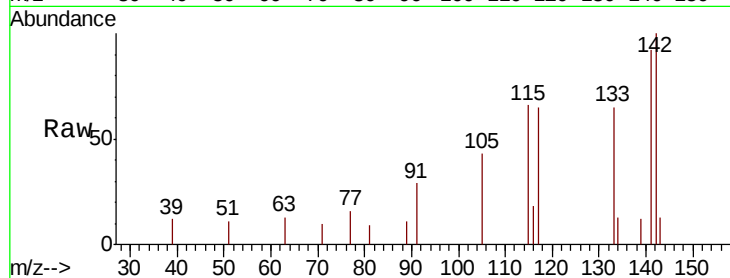




#37
 2-Methylnaphthalene
 Concen: 0.586 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

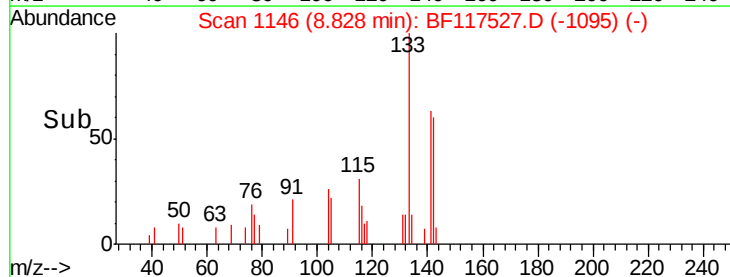
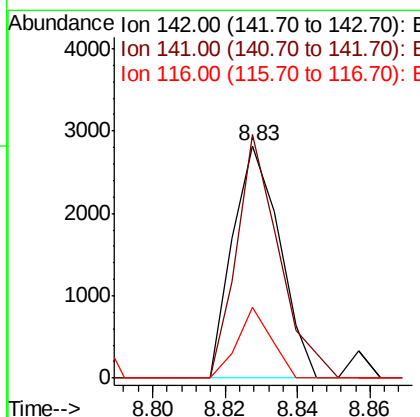
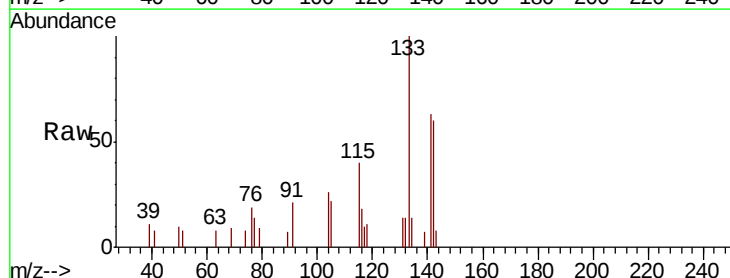
Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

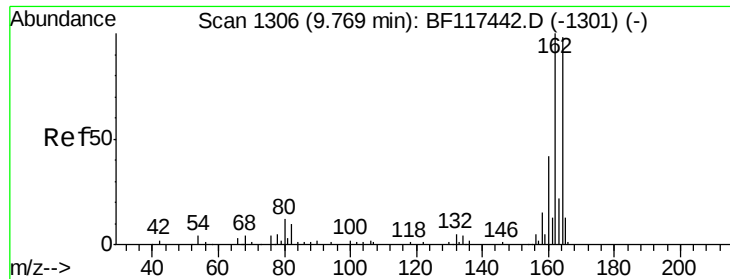
Tot Ion:142 Resp: 3607
 Ion Ratio Lower Upper
 142 100
 141 92.1 70.3 105.5
 115 65.8 28.2 42.2#



#38
 1-Methylnaphthalene
 Concen: 0.439 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion:142 Resp: 2539
 Ion Ratio Lower Upper
 142 100
 141 104.9 73.3 109.9
 116 30.5 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

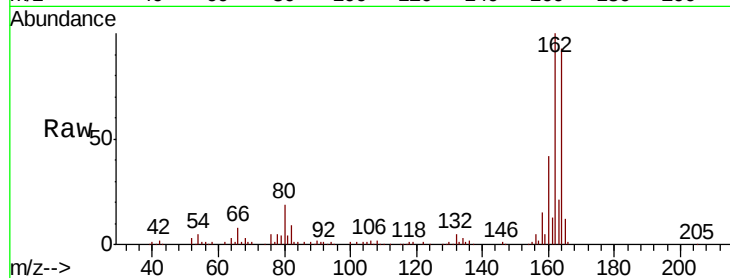
Tot Ion:164 Resp: 87576

Ion Ratio Lower Upper

164 100

162 107.1 81.8 122.6

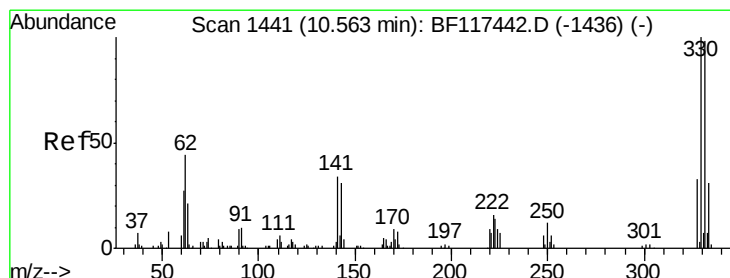
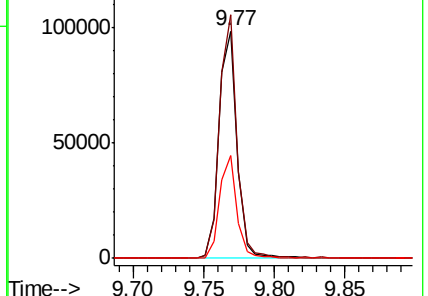
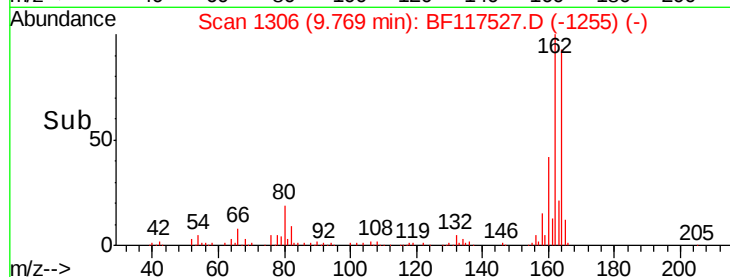
160 45.3 34.4 51.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 44.904 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

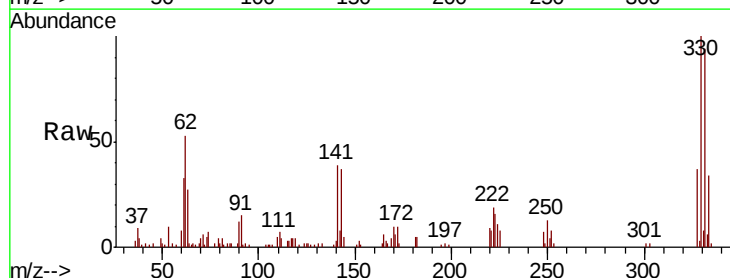
Tgt Ion:330 Resp: 34026

Ion Ratio Lower Upper

330 100

332 94.2 78.5 117.7

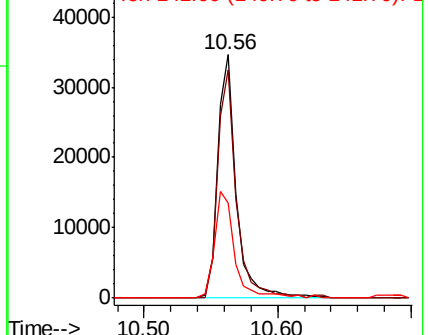
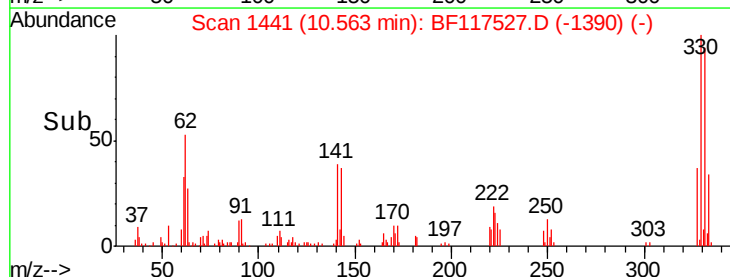
141 48.0 37.0 55.6

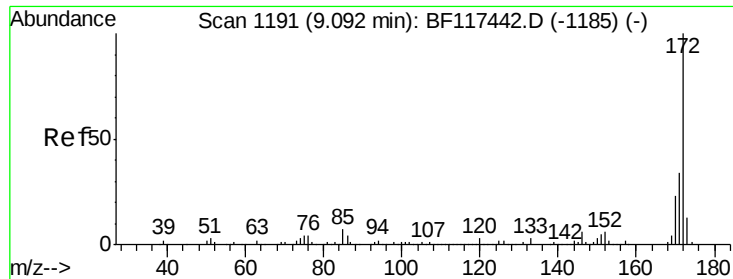


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

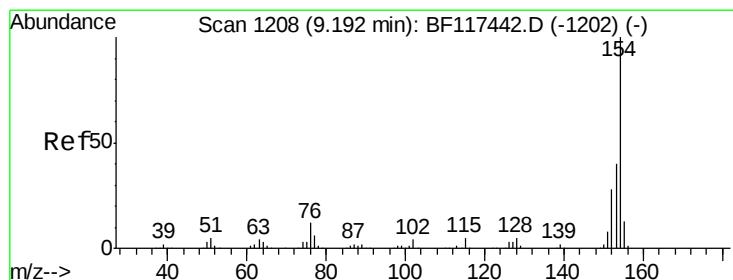
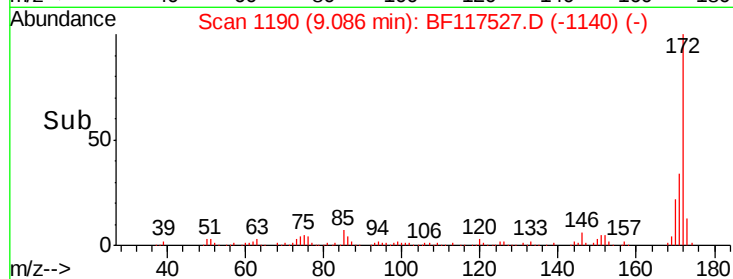
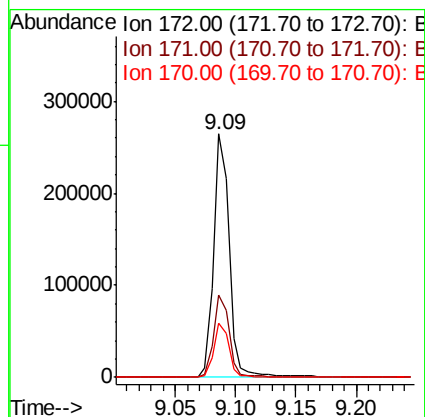
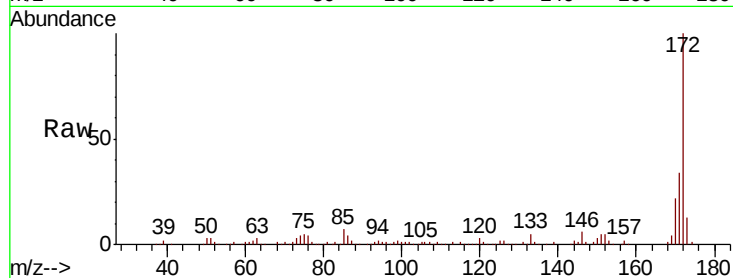




#45
2-Fluorobiphenyl
Concen: 37.954 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

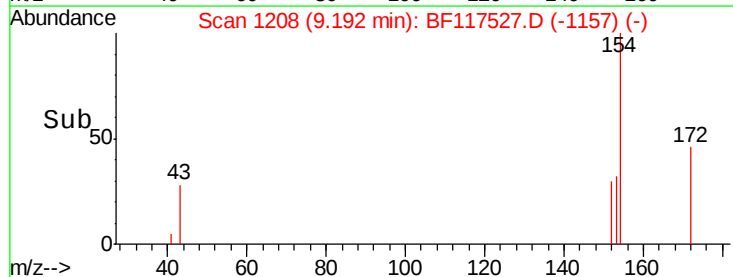
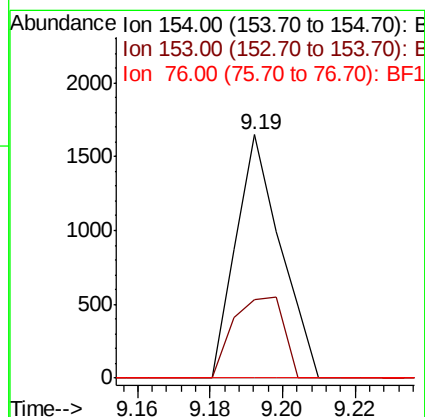
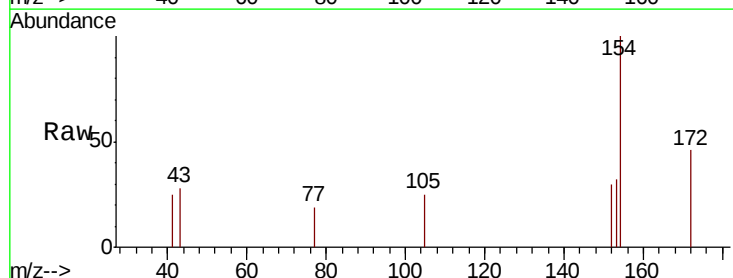
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

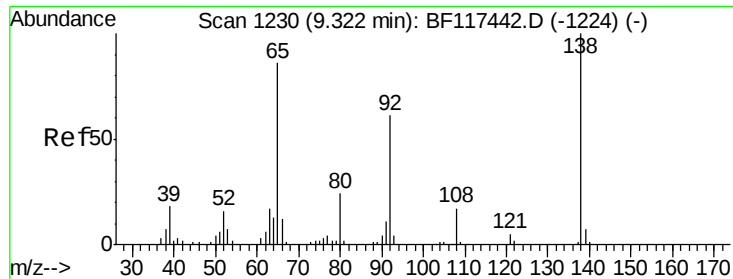
Tot Ion:172 Resp: 235901
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 22.3 18.6 27.8



#46
1,1'-Biphenyl
Concen: 0.195 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:154 Resp: 1413
Ion Ratio Lower Upper
154 100
153 32.0 20.2 60.2
76 0.0 0.0 32.1

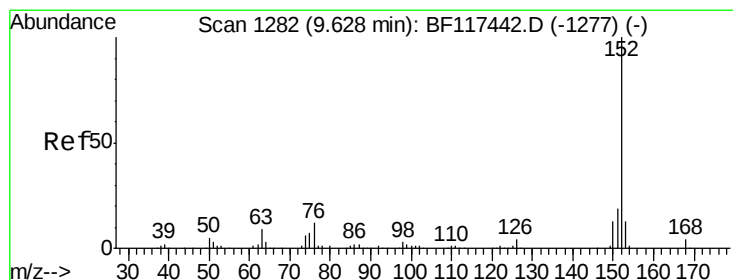
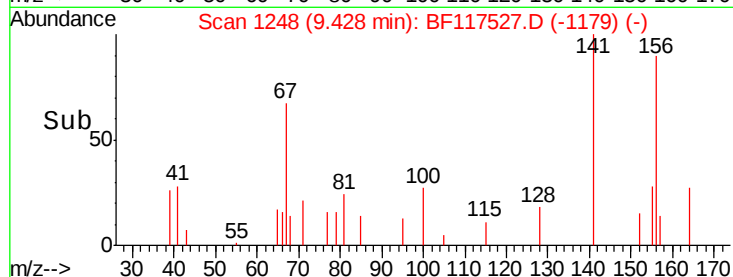
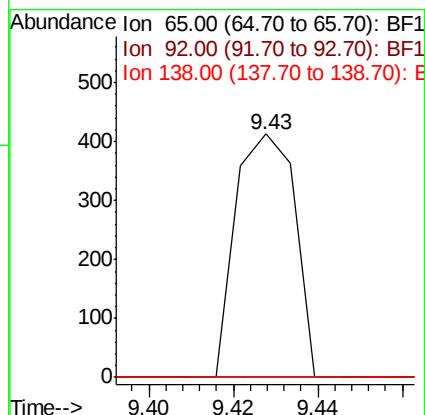
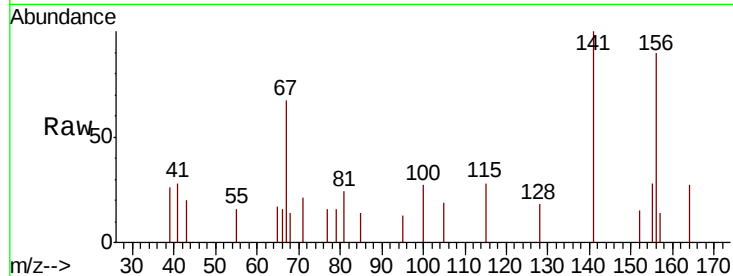




#48
2-Nitroaniline
Concen: 0.223 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.11 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

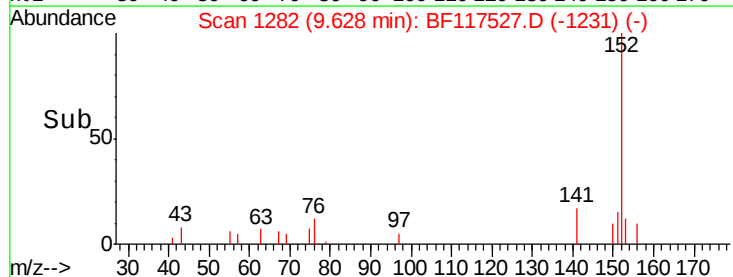
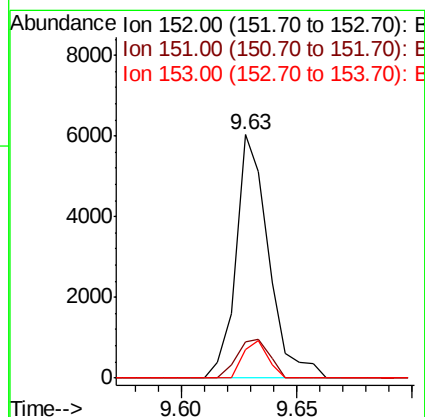
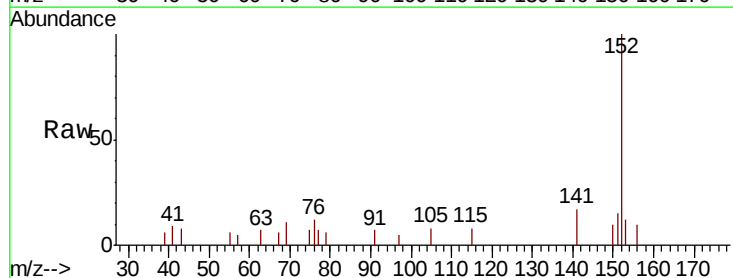
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

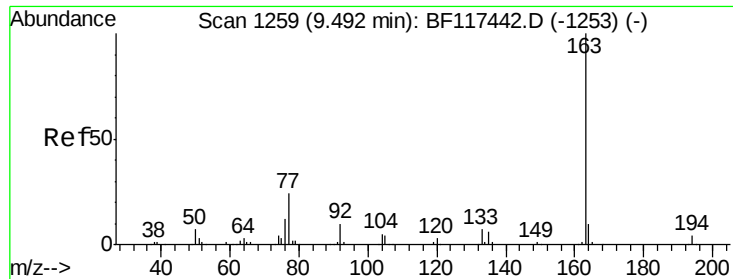
Tot Ion: 65 Resp: 401
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 93.3 139.9#



#49
Acenaphthylene
Concen: 0.742 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion: 152 Resp: 5961
Ion Ratio Lower Upper
152 100
151 14.7 15.4 23.0#
153 12.0 10.3 15.5

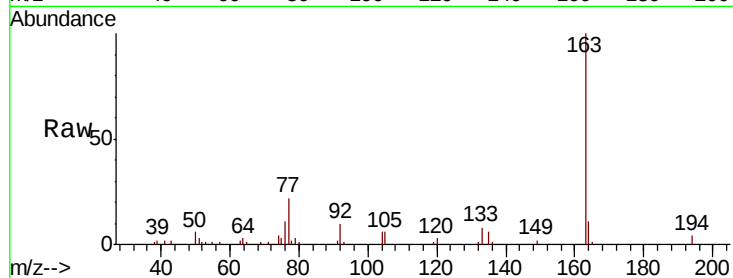




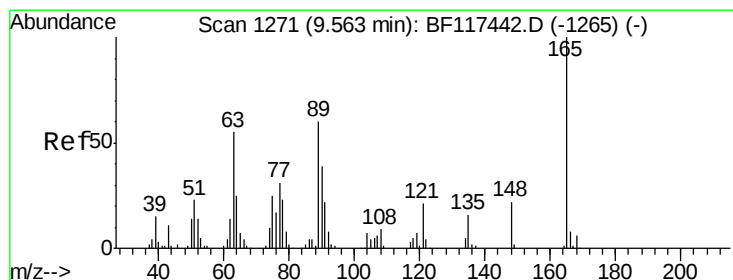
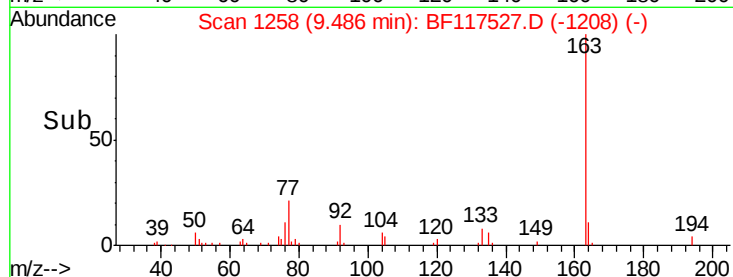
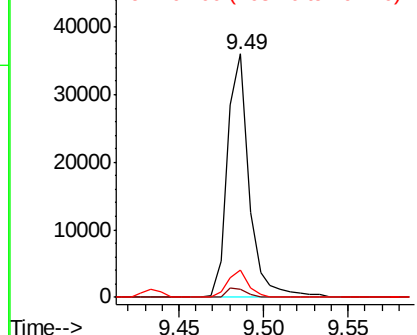
#50
Dimethylphthalate
Concen: 5.189 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	11.0	8.2	12.2

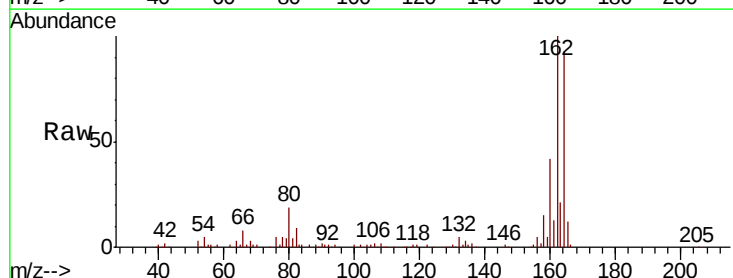


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

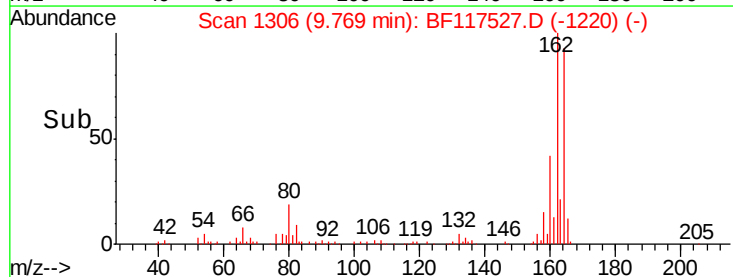
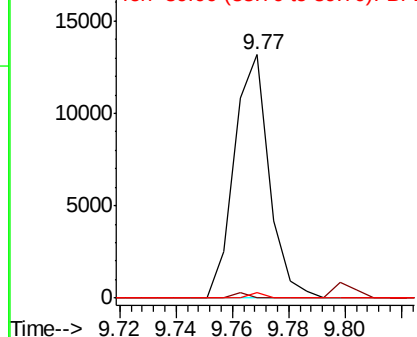


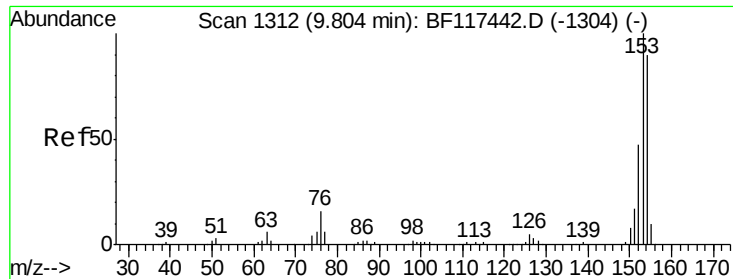
#51
2,6-Dinitrotoluene
Concen: 8.643 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.21 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	2.3	47.6	71.4#



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

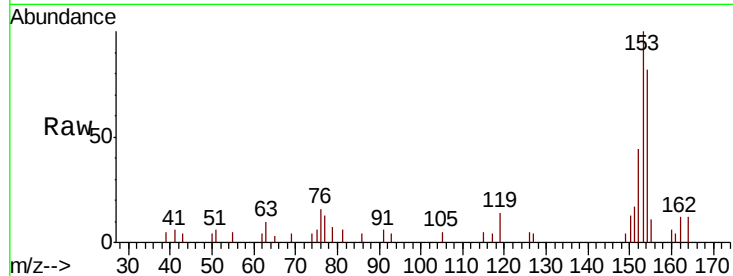




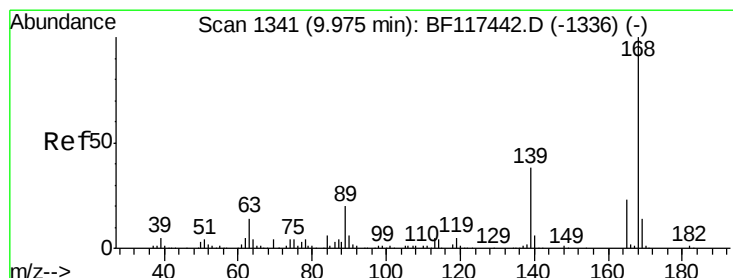
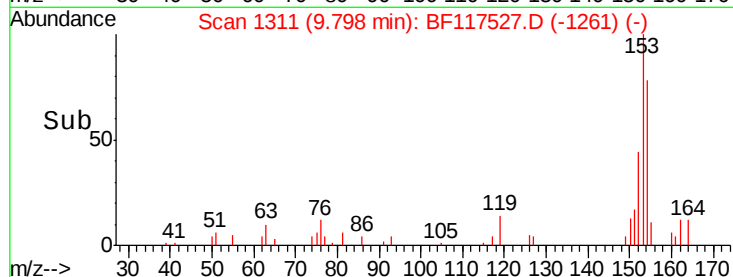
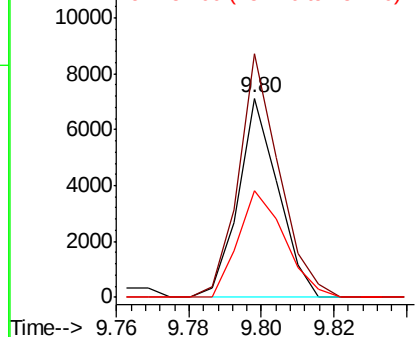
#52
Acenaphthene
Concen: 1.106 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion:154 Resp: 5446
Ion Ratio Lower Upper
154 100
153 122.1 89.2 133.8
152 53.6 41.8 62.6

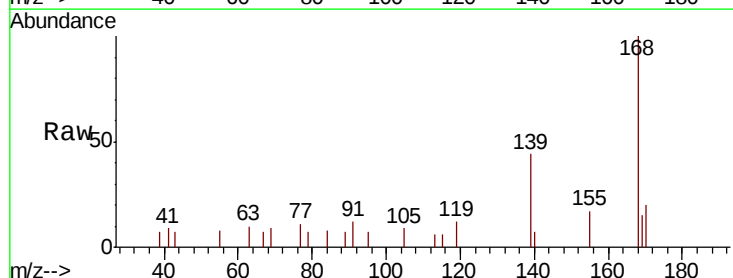


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

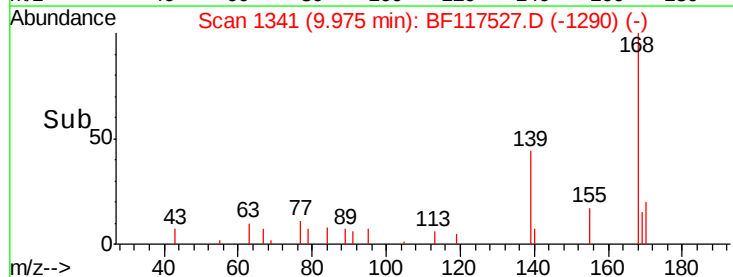
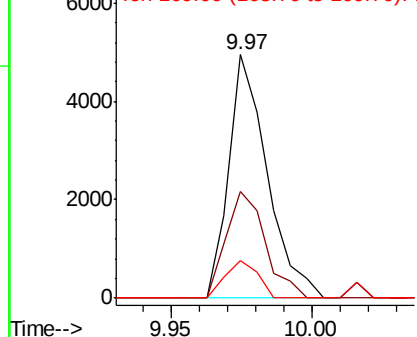


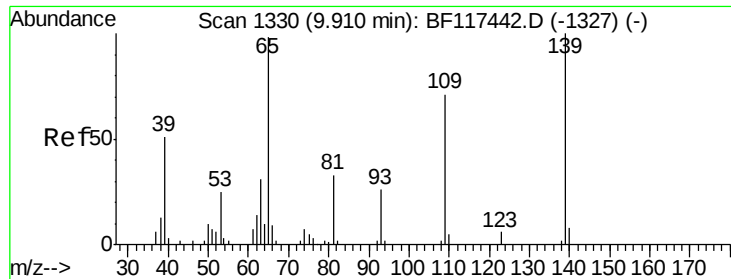
#55
Dibenzofuran
Concen: 0.655 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:168 Resp: 4674
Ion Ratio Lower Upper
168 100
139 43.8 31.8 47.6
169 15.2 11.2 16.8



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

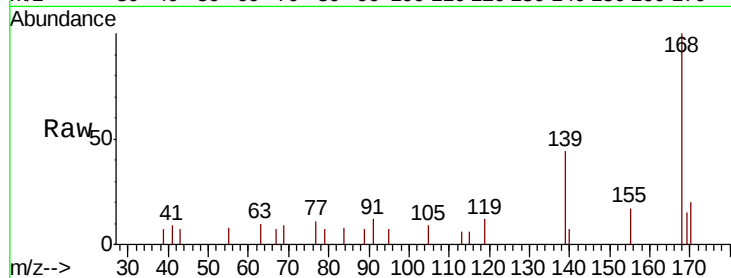




#56
4-Nitrophenol
Concen: 6.854 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#

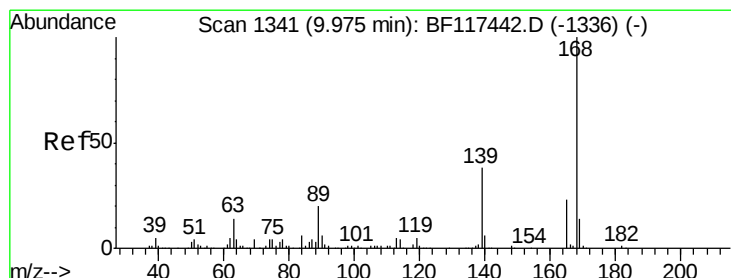
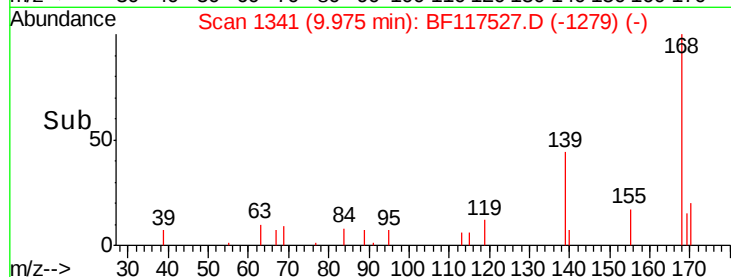
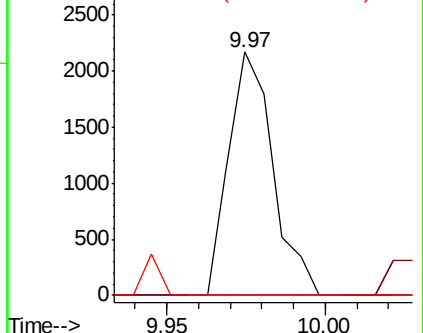


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.501 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.21 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	2.3	69.9	104.9#
182	0.0	1.9	2.9#

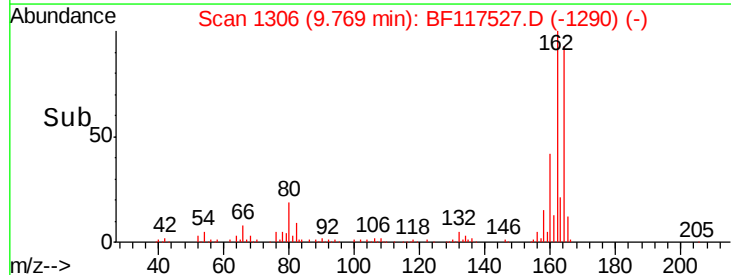
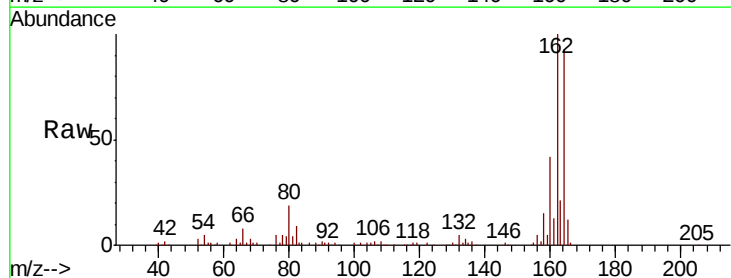
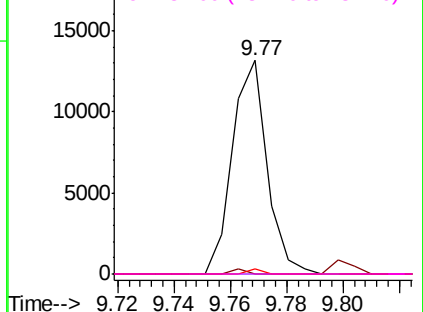
Abundance

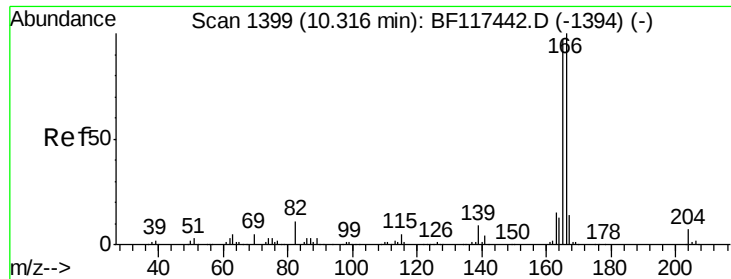
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.351 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

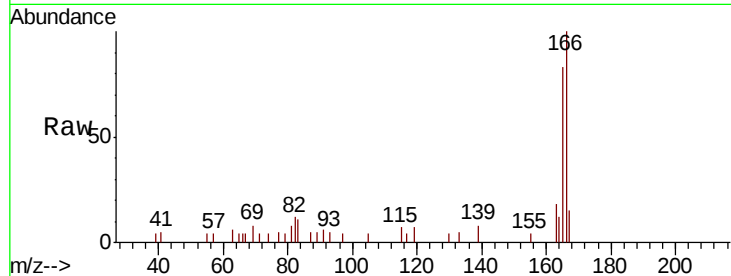
Tot Ion:166 Resp: 7976

Ion Ratio Lower Upper

166 100

165 83.4 77.6 116.4

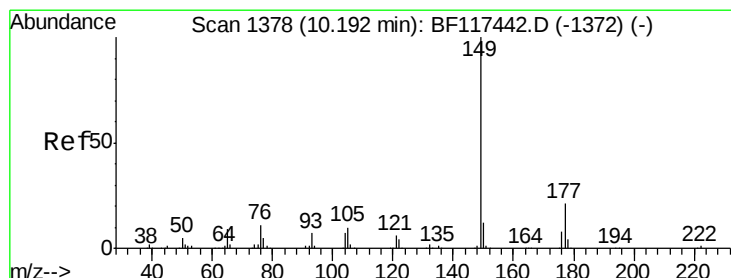
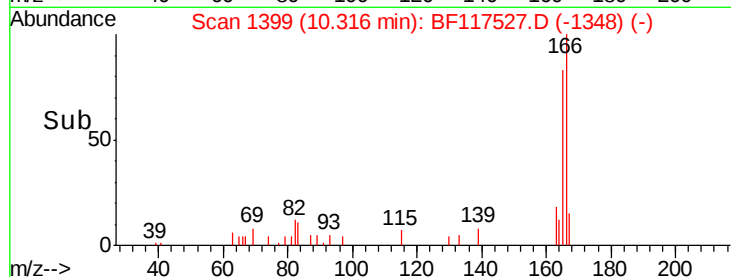
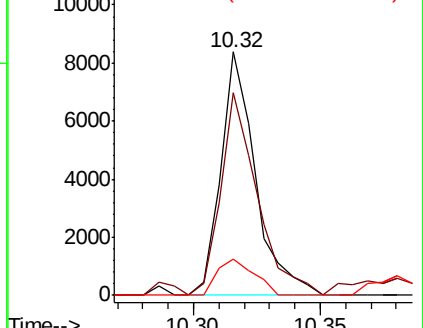
167 14.9 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.018 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

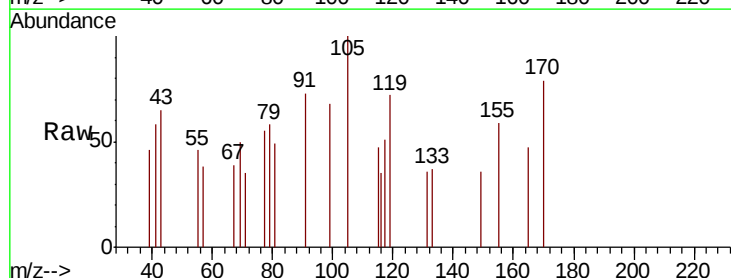
Tgt Ion:149 Resp: 111

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.4#

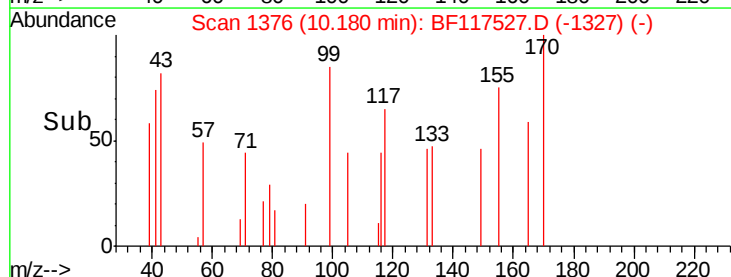
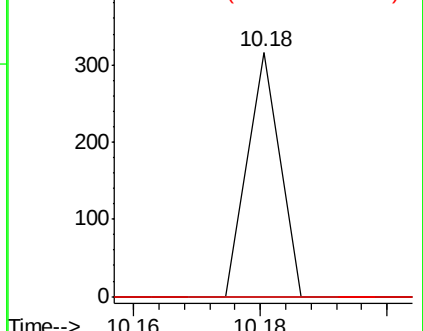
150 0.0 9.8 14.6#

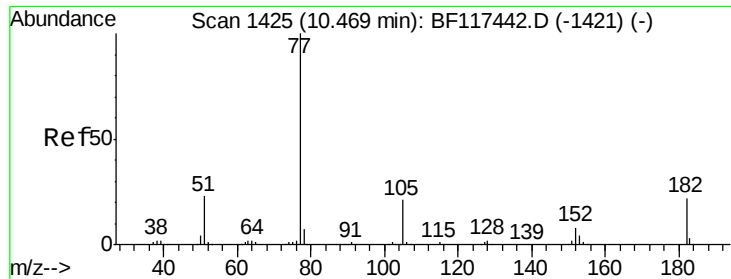


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

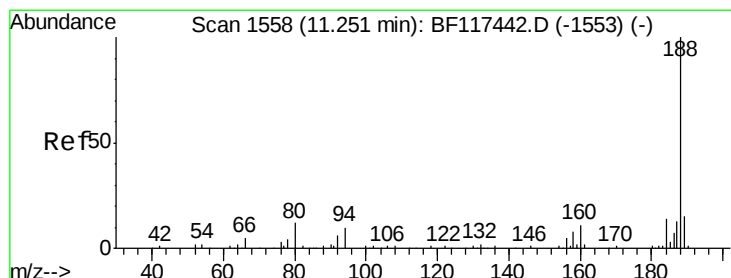
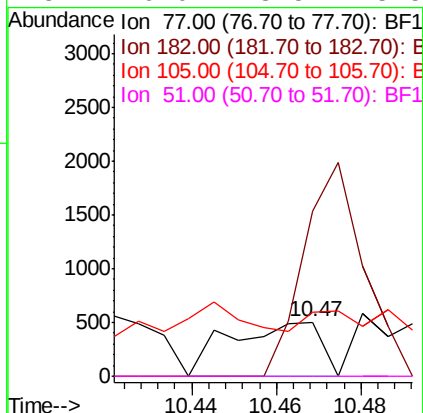
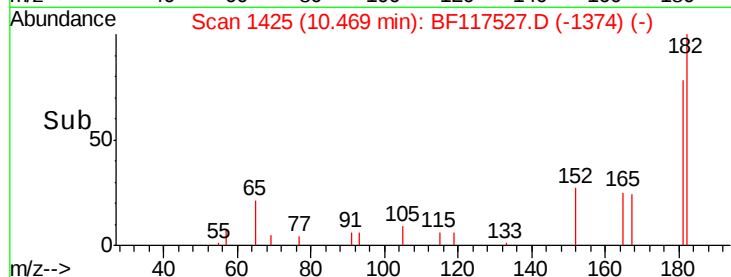
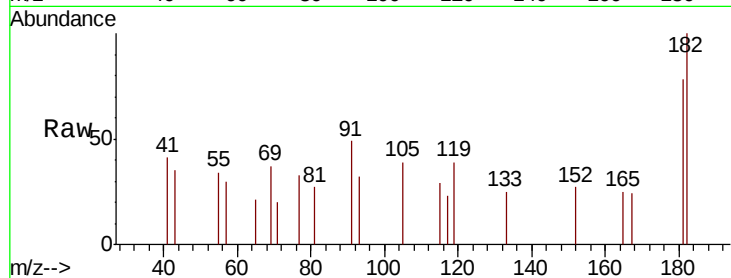




#63
Azobenzene
Concen: 0.116 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

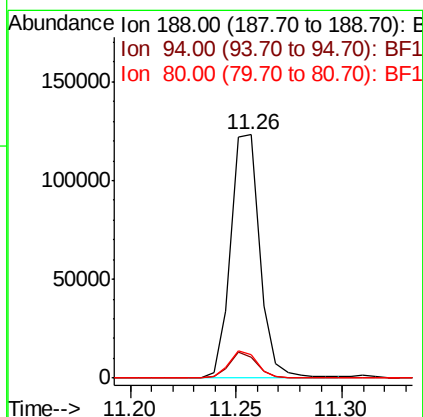
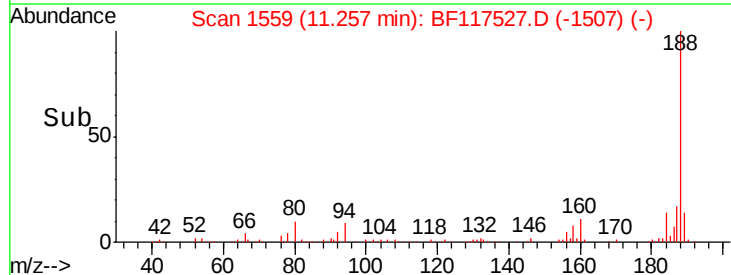
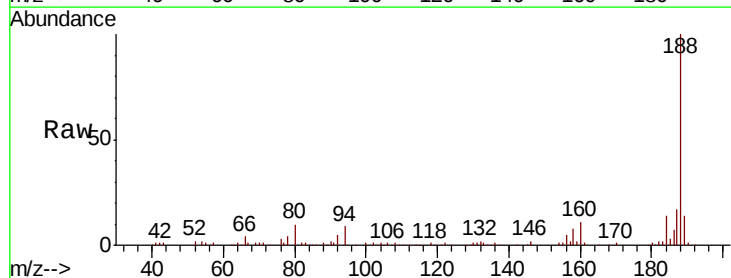
Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

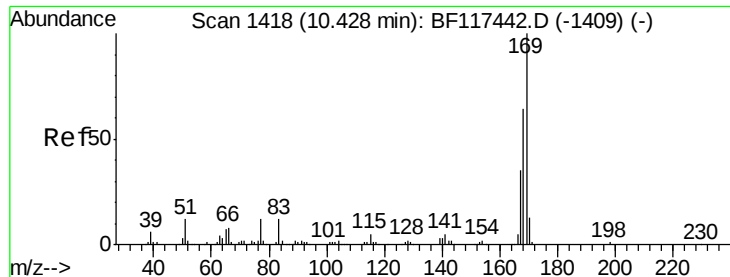
Tot Ion:	77	Resp:	747
Ion	Ratio	Lower	Upper
77	100		
182	303.0	2.3	42.3#
105	117.8	1.3	41.3#
51	0.0	3.5	43.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:	188	Resp:	117748
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.8	9.5	14.3

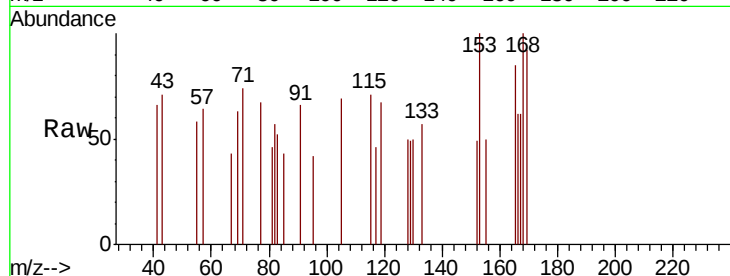




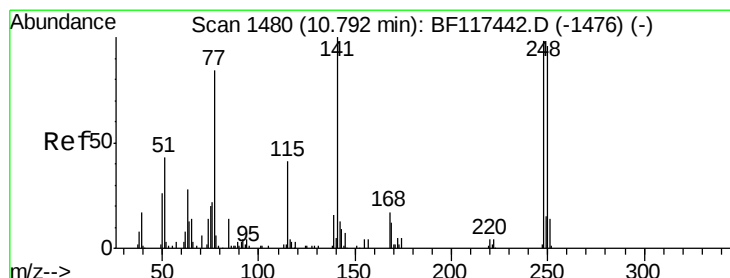
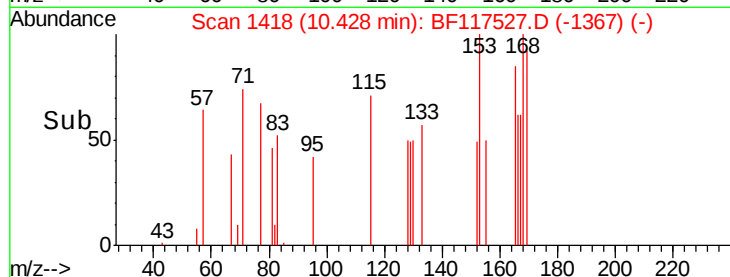
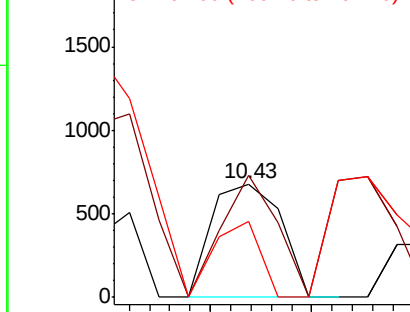
#66
 n-Nitrosodiphenylamine
 Concen: 0.150 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Tot Ion:169 Resp: 644
 Ion Ratio Lower Upper
 169 100
 168 107.8 51.3 76.9#
 167 67.3 28.2 42.4#

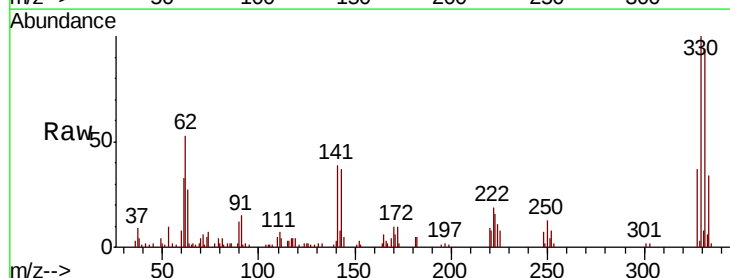


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

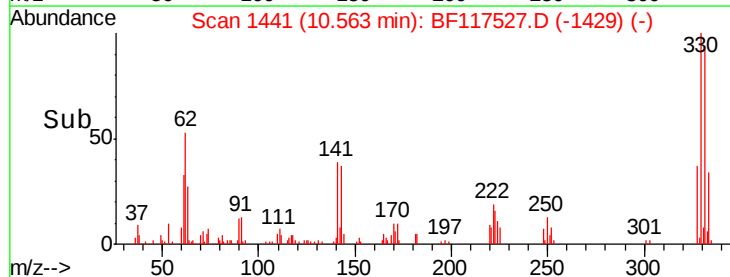
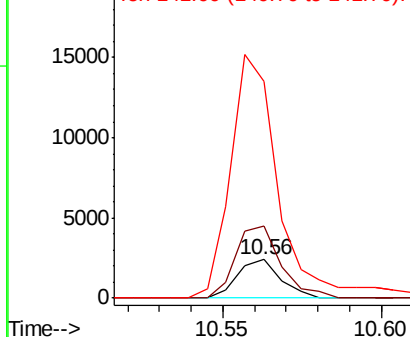


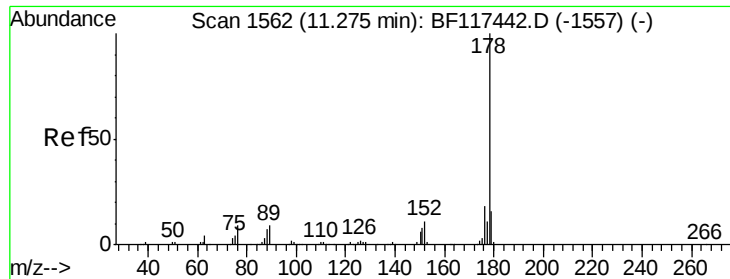
#67
 4-Bromophenyl-phenylether
 Concen: 1.802 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.23 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion:248 Resp: 2285
 Ion Ratio Lower Upper
 248 100
 250 186.7 78.0 117.0#
 141 562.2 81.7 122.5#



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

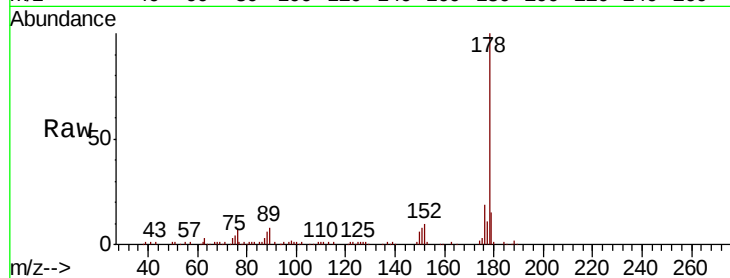




#71
Phenanthrene
Concen: 15.297 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	15.3	12.6	19.0

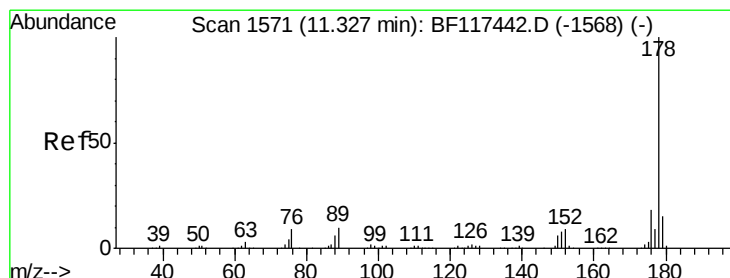
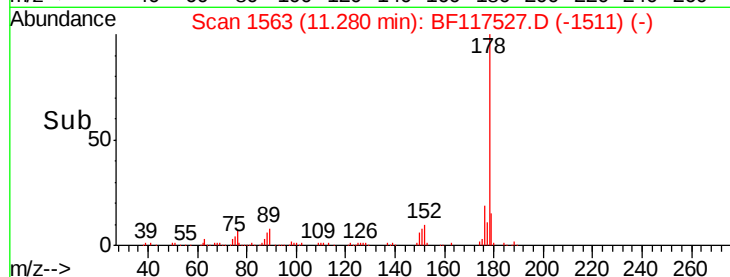
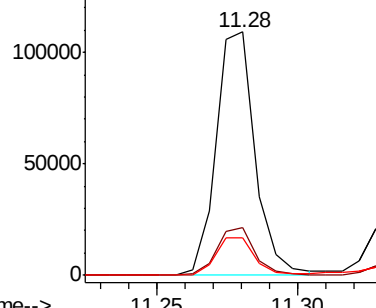


Abundance

Ion 178.00 (177.70 to 178.70): E

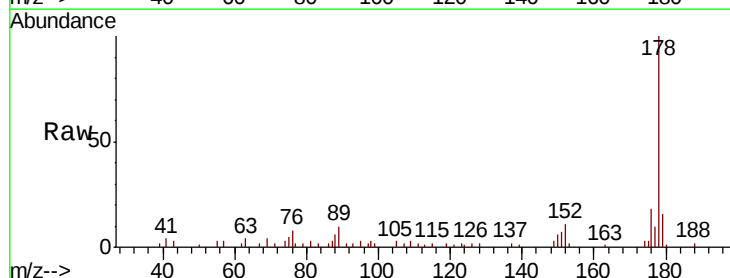
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 3.394 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.6	12.2	18.2

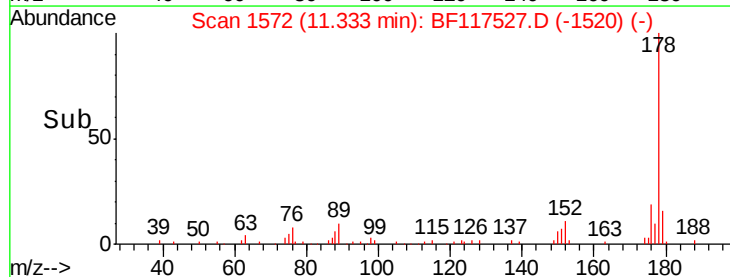
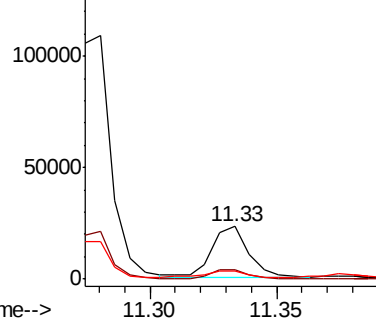


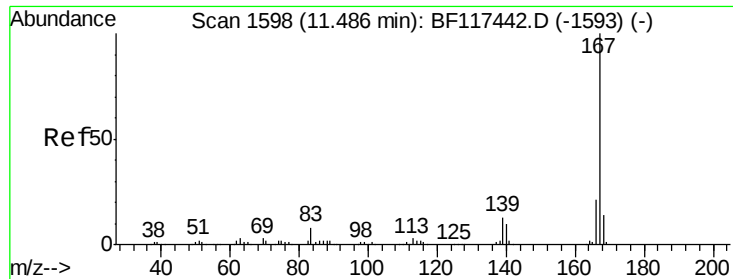
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

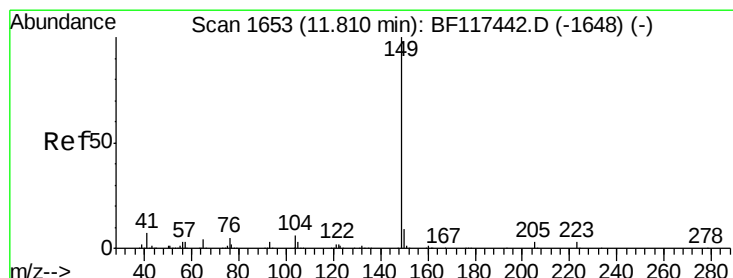
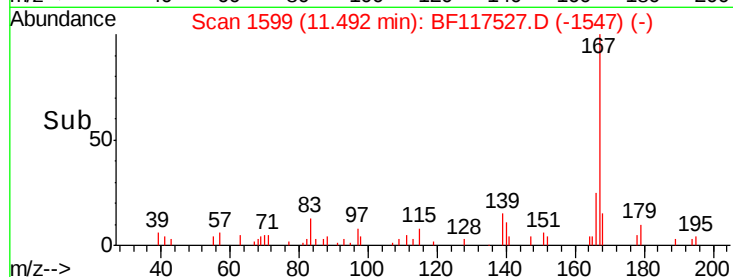
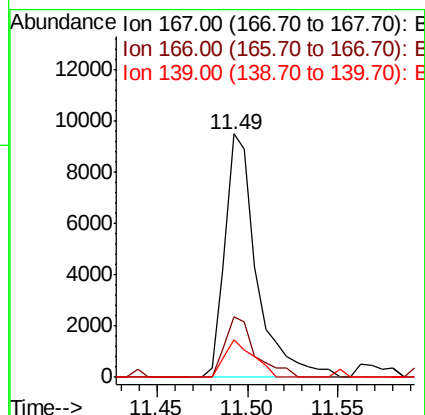
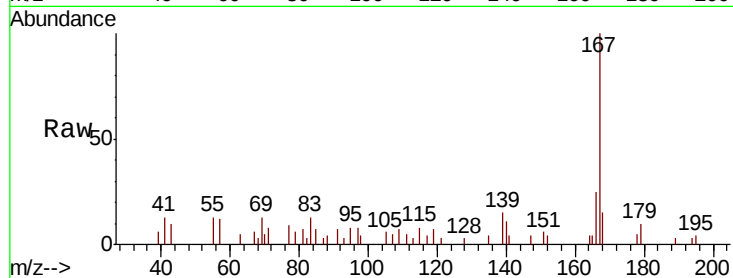




#73
 Carbazole
 Concen: 1.803 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

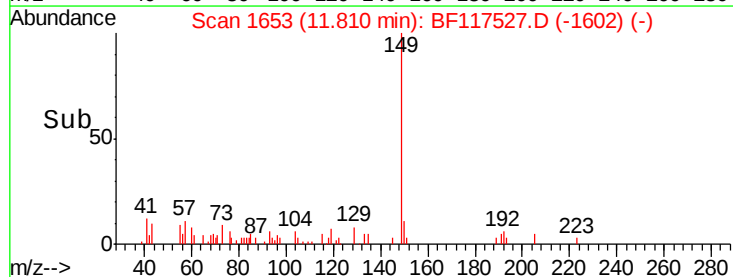
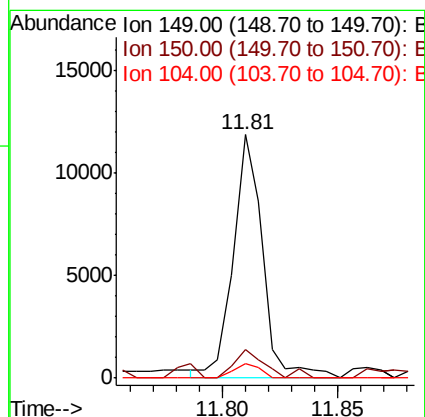
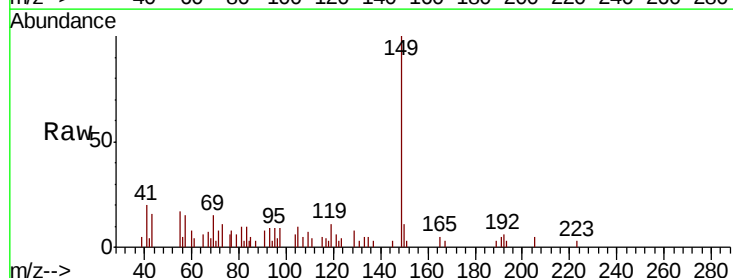
Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

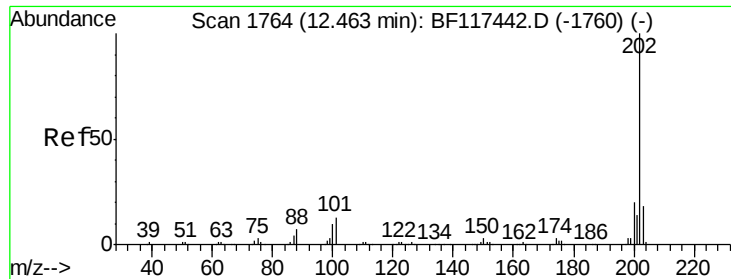
Tot Ion:167 Resp: 11558
 Ion Ratio Lower Upper
 167 100
 166 24.9 17.0 25.6
 139 15.2 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 1.230 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion:149 Resp: 10534
 Ion Ratio Lower Upper
 149 100
 150 11.5 7.5 11.3#
 104 6.0 4.6 6.8





#75

Fluoranthene

Concen: 22.782 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

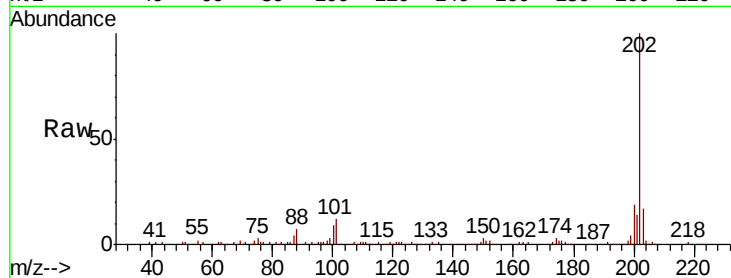
Tot Ion:202 Resp: 155932

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.7

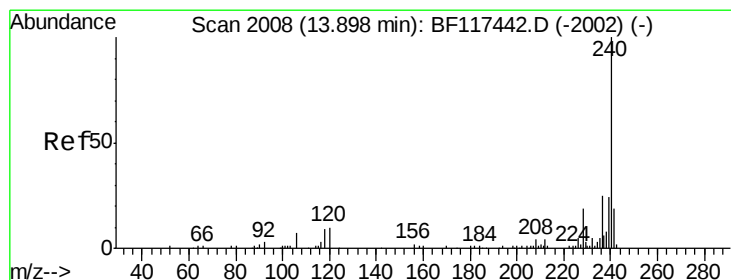
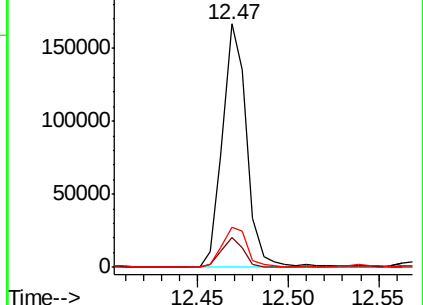
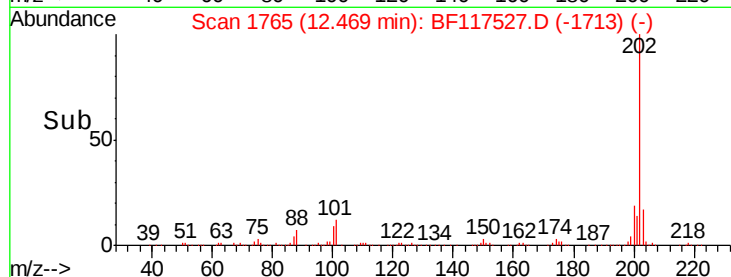
203 16.5 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

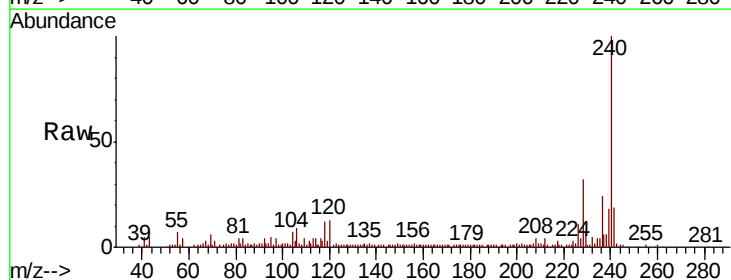
Tgt Ion:240 Resp: 87195

Ion Ratio Lower Upper

240 100

120 13.3 8.4 12.6#

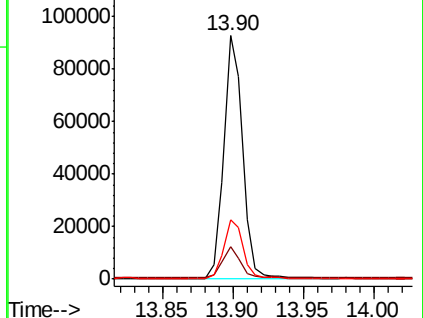
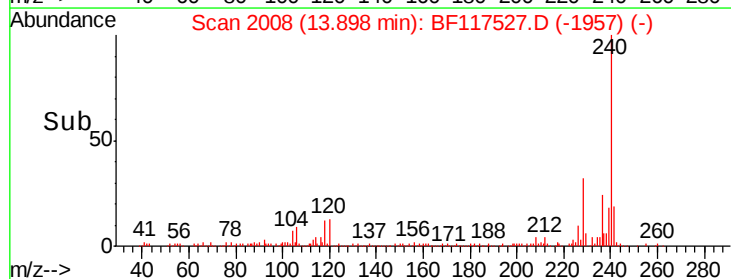
236 24.4 20.0 30.0

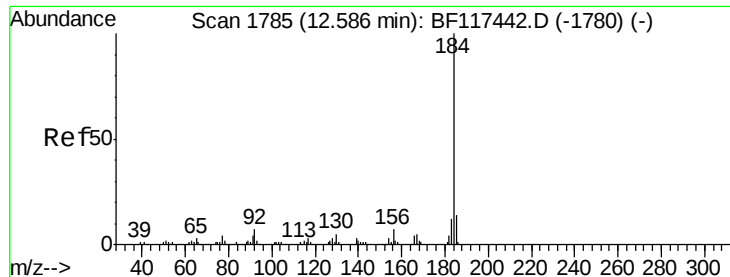


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.69 min Scan# 1803

Delta R.T. 0.11 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

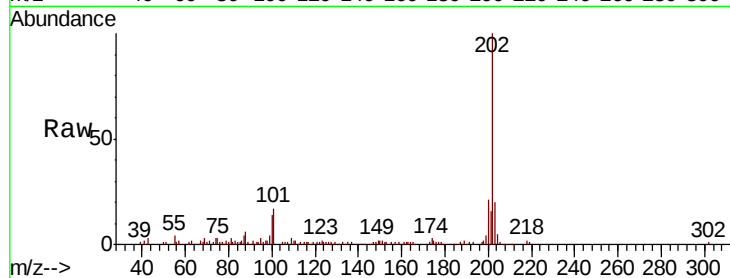
Tot Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

185 0.0 11.4 17.0#

183 0.0 9.6 14.4#



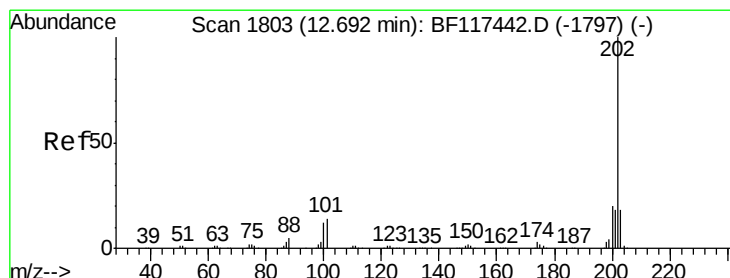
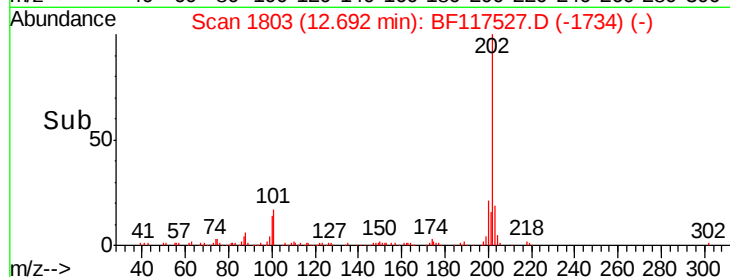
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.69

Time-->



#78

Pyrene

Concen: 19.137 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

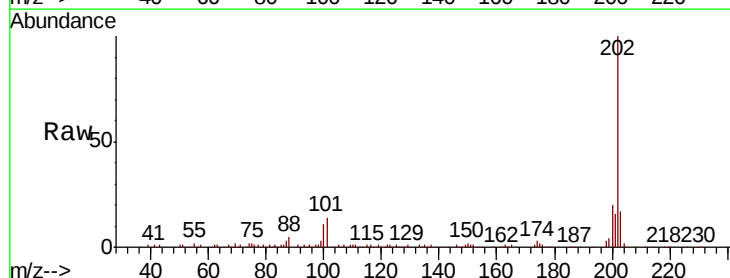
Tgt Ion:202 Resp: 143327

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.0 14.0 21.0



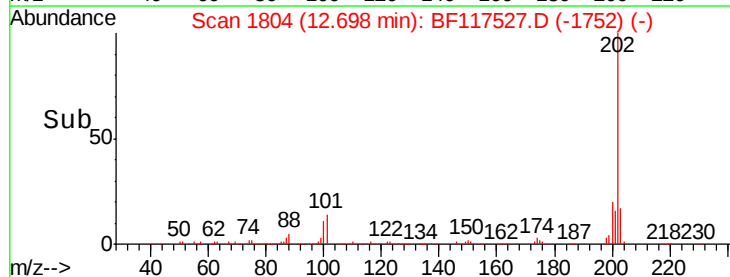
Abundance Ion 202.00 (201.70 to 202.70): E

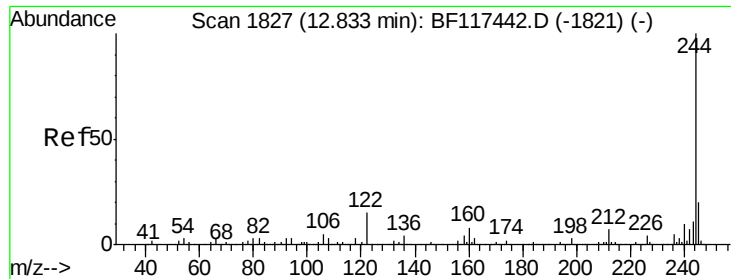
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.70

Time-->

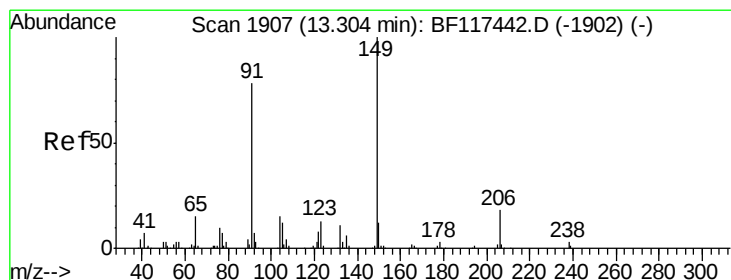
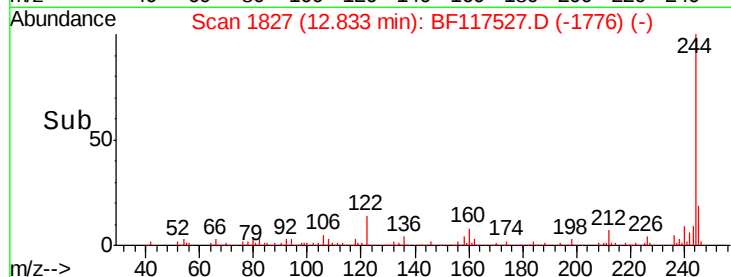
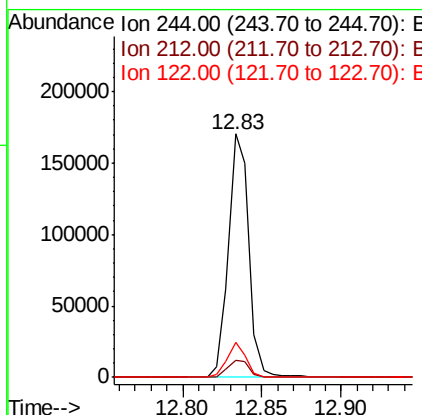
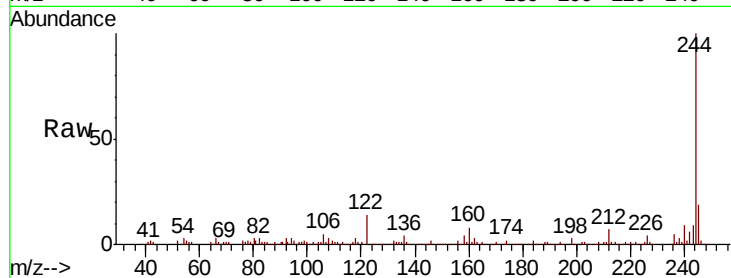




#79
 Terphenyl-d14
 Concen: 28.525 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

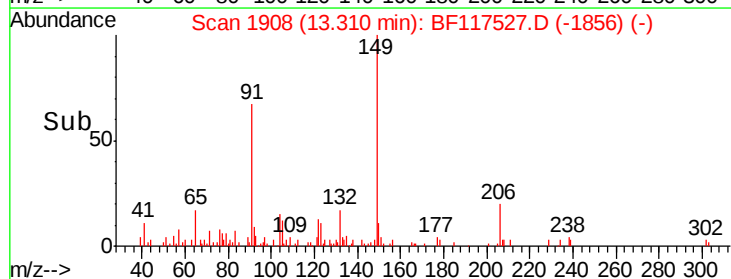
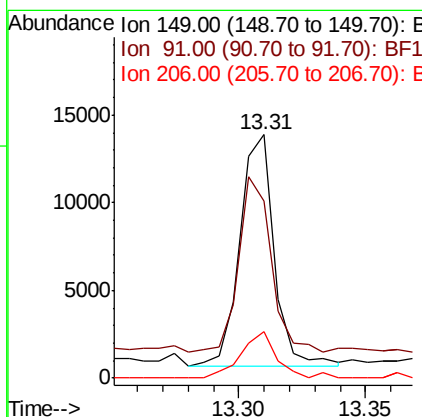
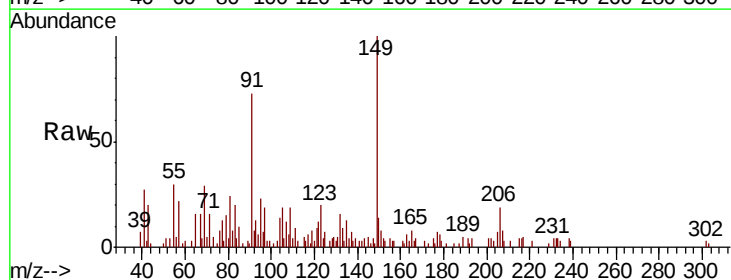
Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

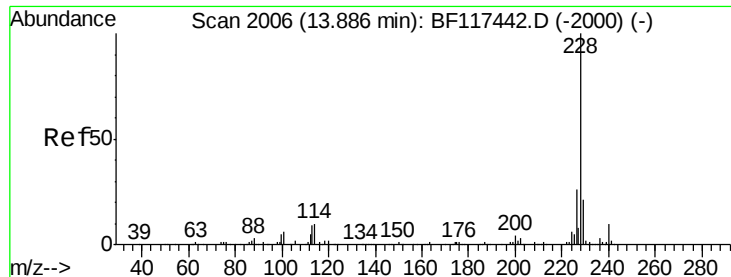
Tot Ion:244 Resp: 152488
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 14.3 11.8 17.8



#80
 Butylbenzylphthalate
 Concen: 3.339 ng
 RT: 13.31 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion:149 Resp: 12446
 Ion Ratio Lower Upper
 149 100
 91 72.8 62.1 93.1
 206 19.2 14.3 21.5





#81

Benzo(a)anthracene

Concen: 12.196 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

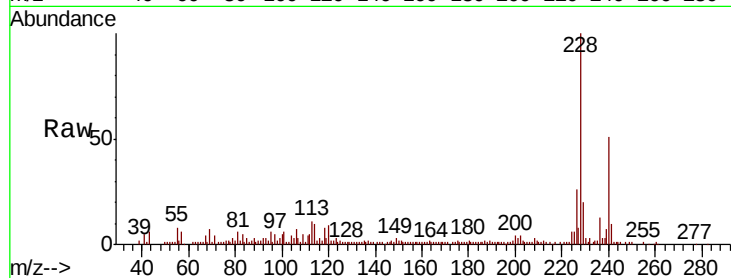
BNA_F

ClientSampleId :

193-68-(0-1)

Tot Ion:228 Resp: 71735

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.4
229	20.3	16.4	24.6

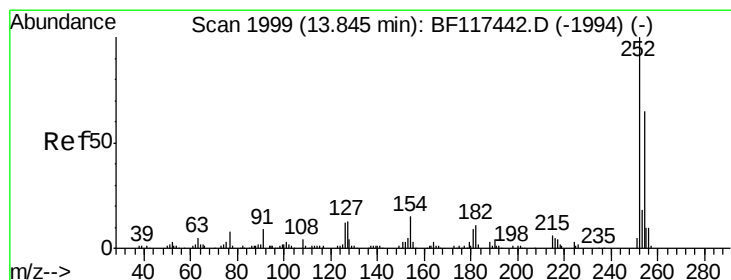
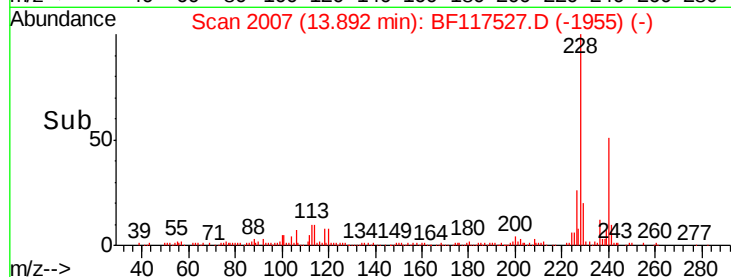
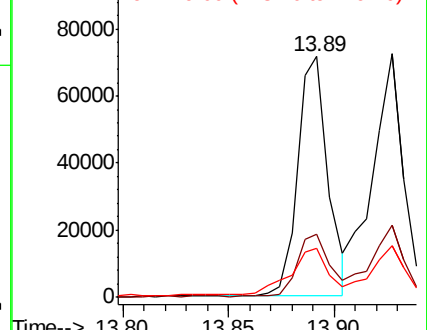


Abundance

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: 0.060 ng

RT: 13.83 min Scan# 1996

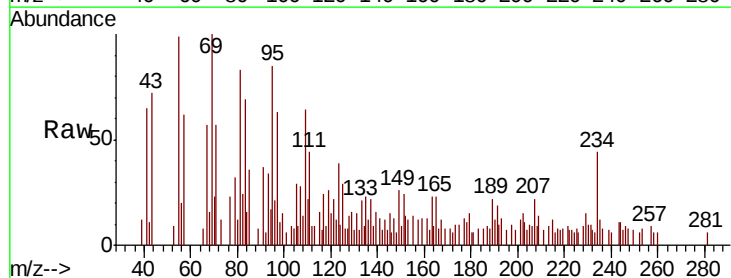
Delta R.T. -0.02 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Tgt Ion:252 Resp: 110

Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.2	78.4#
126	125.2	9.2	13.8#

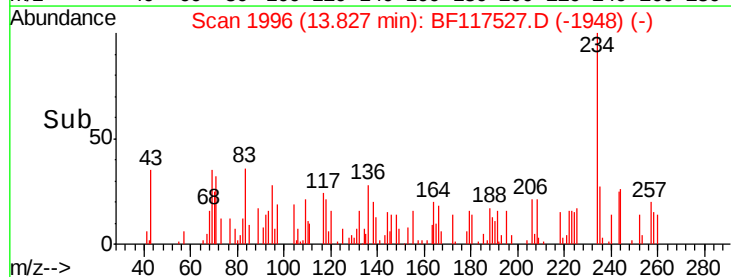
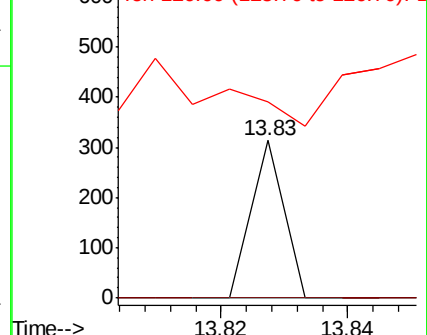


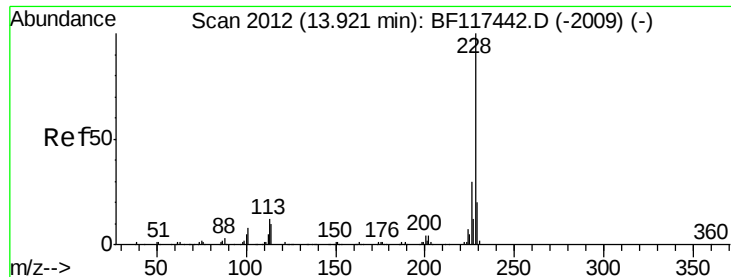
Abundance

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

Chrvsene

Concen: 13.167 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

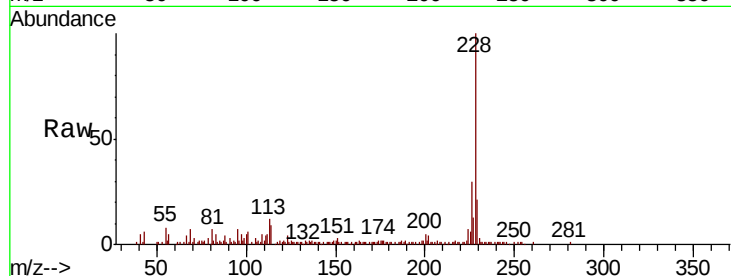
Tot Ion:228 Resp: 75899

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

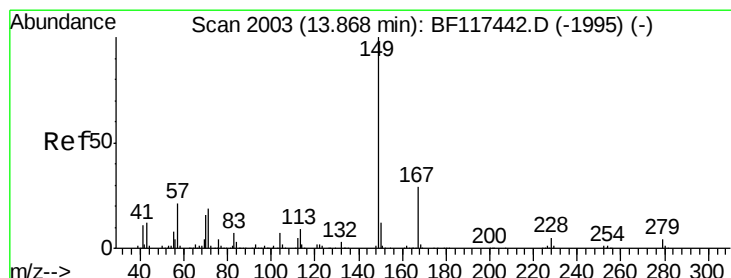
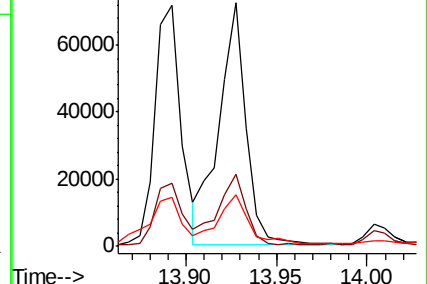
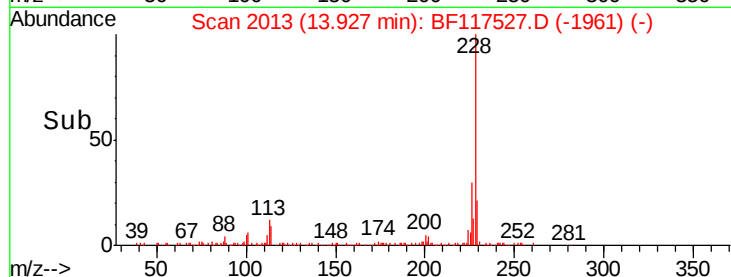
229 21.1 15.8 23.6



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: 21.278 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

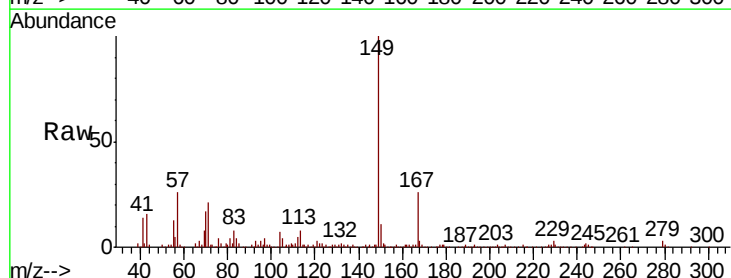
Tgt Ion:149 Resp: 111089

Ion Ratio Lower Upper

149 100

167 26.2 23.3 34.9

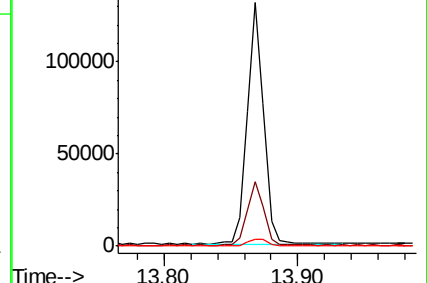
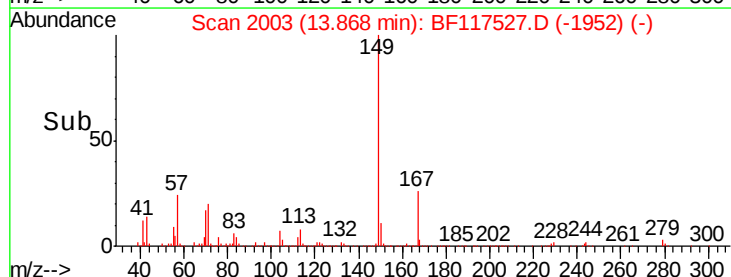
279 3.0 3.2 4.8#

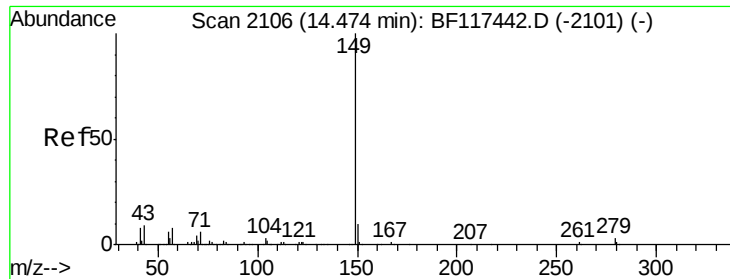


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

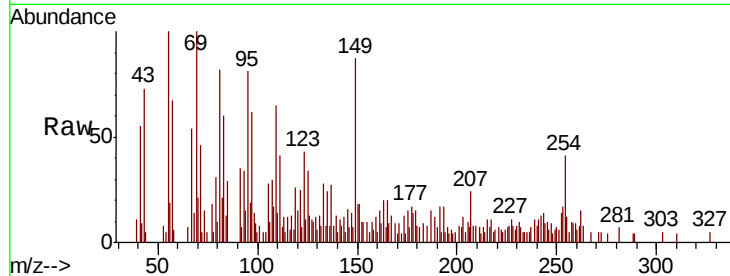




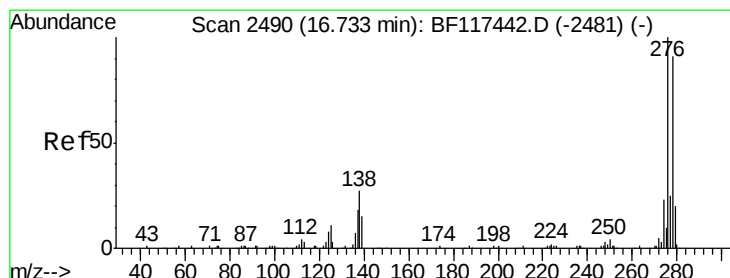
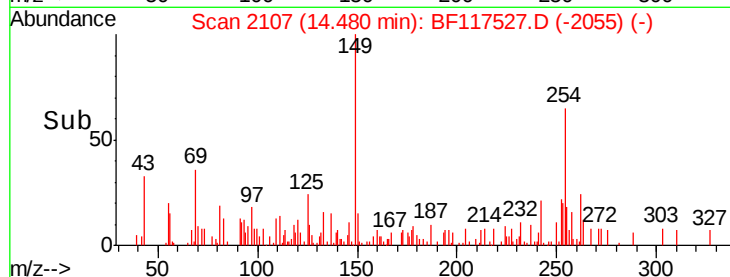
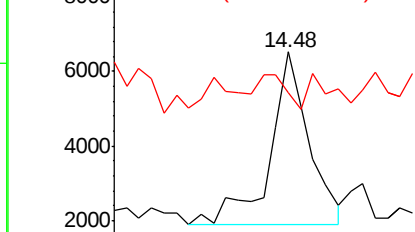
#85
Di-n-octyl phthalate
Concen: 0.729 ng
RT: 14.48 min Scan# 2107
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion:149 Resp: 5851
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 15.5 6.8 10.2#

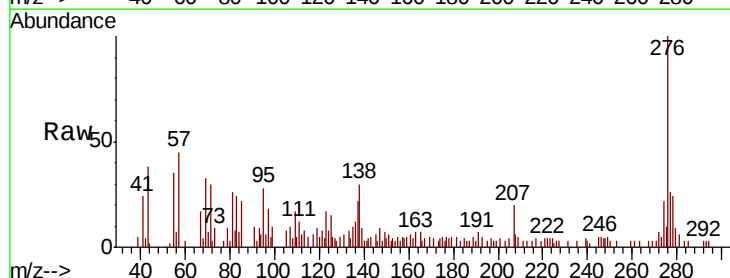


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

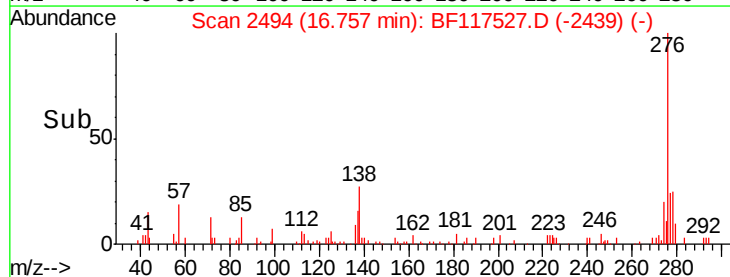
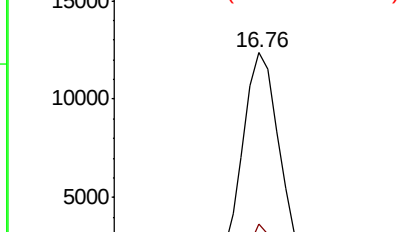


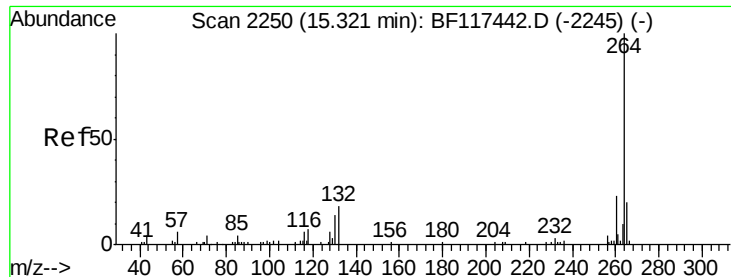
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.361 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:276 Resp: 23074
Ion Ratio Lower Upper
276 100
138 32.7 21.8 32.8
277 29.7 20.0 30.0



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

ClientSampleId :

193-68-(0-1)

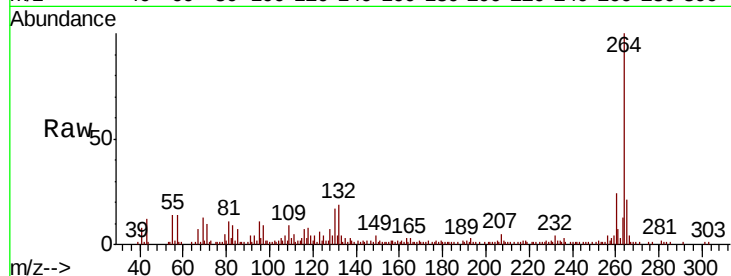
Tot Ion:264 Resp: 62326

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

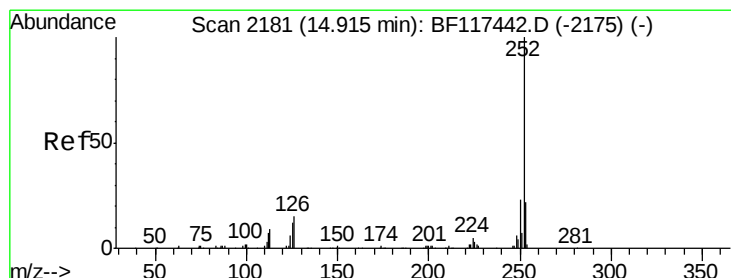
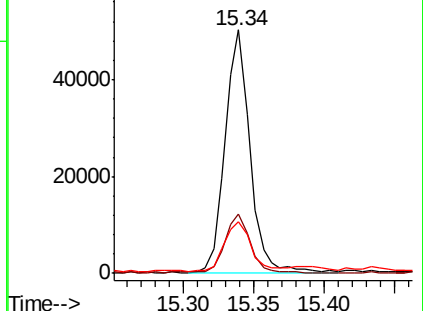
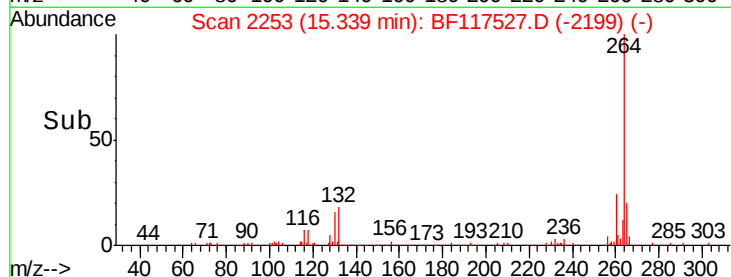
265 21.0 16.1 24.1



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: 23.528 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

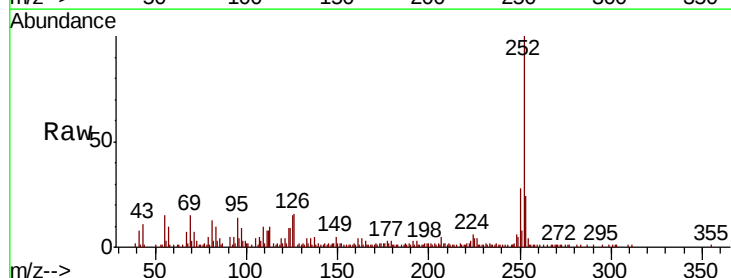
Tgt Ion:252 Resp: 86594

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

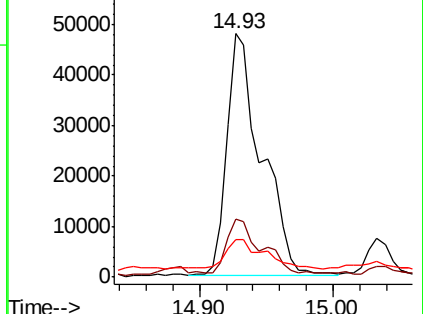
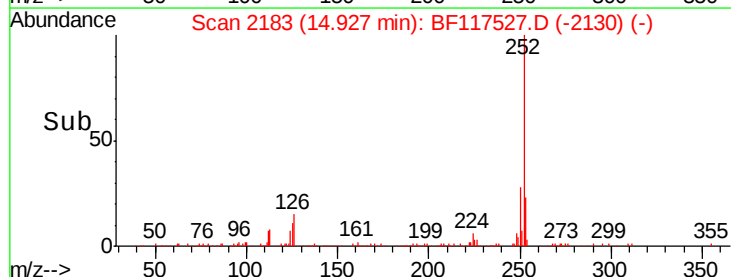
125 15.3 9.9 14.9#

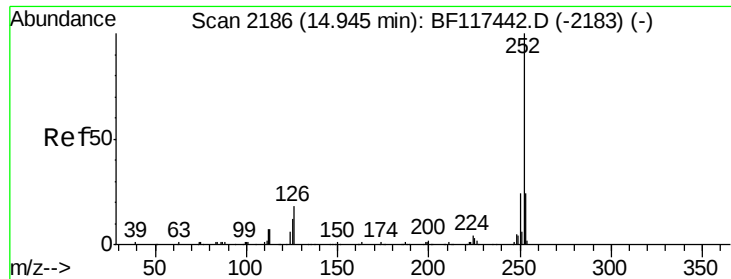


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

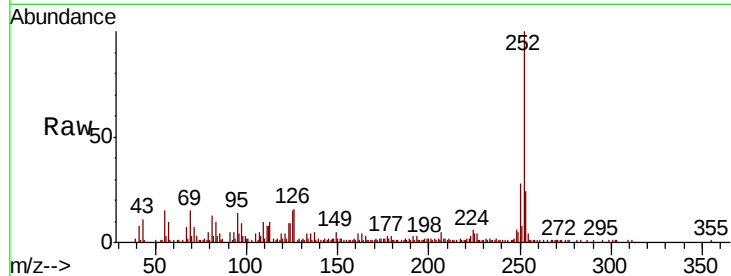




#89
Benzo(k)fluoranthene
Concen: 22.956 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	15.3	8.9	13.3

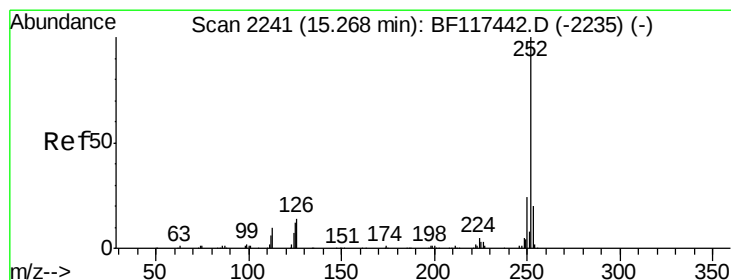
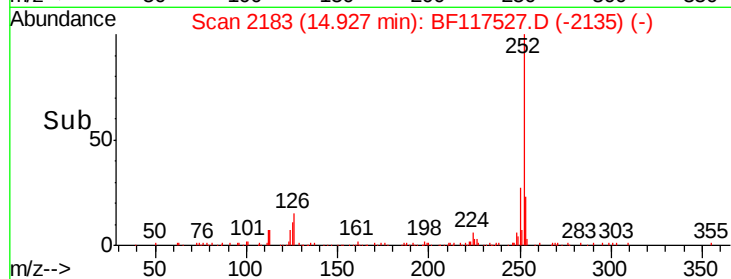
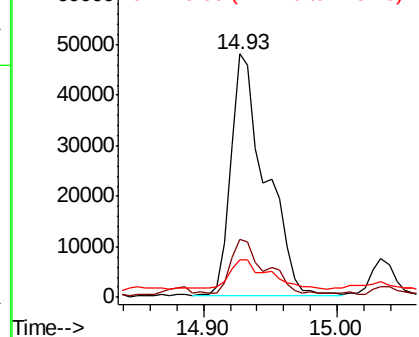


Abundance

Ion 252.00 (251.70 to 252.70): E

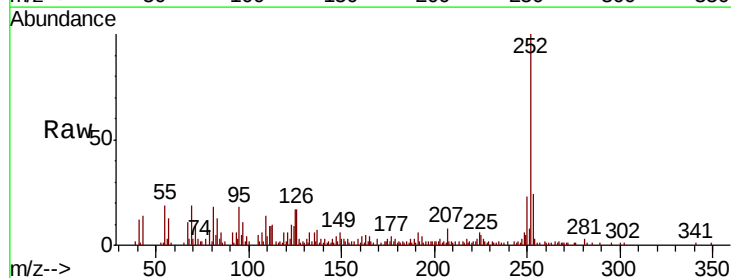
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 12.897 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.3	24.5
125	16.6	9.2	13.8

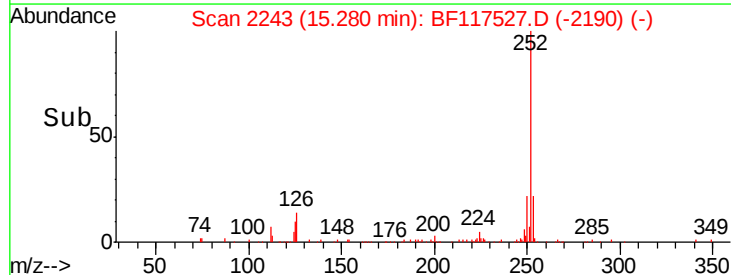
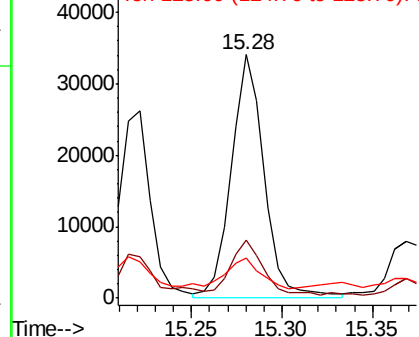


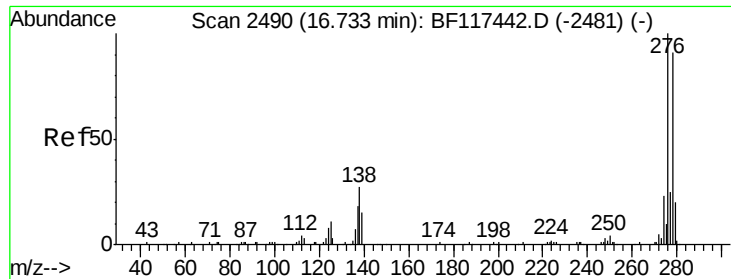
Abundance

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

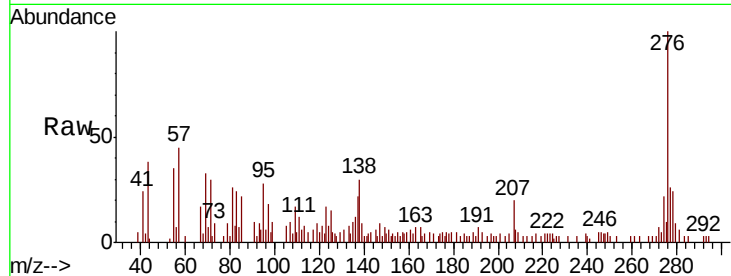




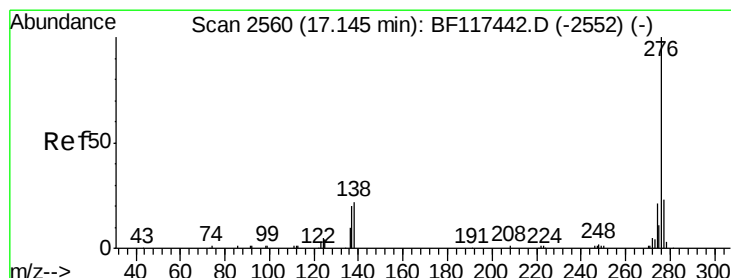
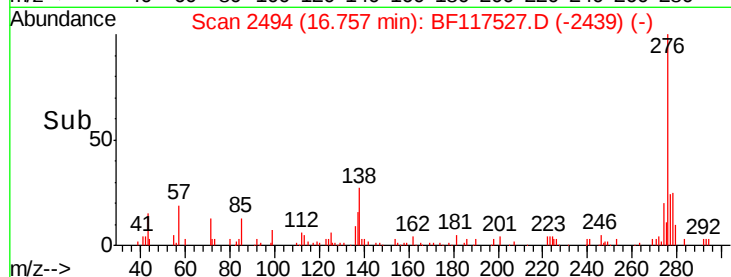
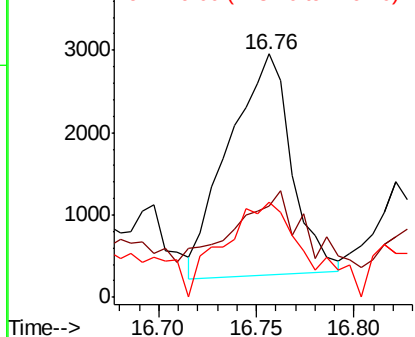
#91
Dibenzo(a,h)anthracene
Concen: 2.074 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion:278 Resp: 6001
Ion Ratio Lower Upper
278 100
139 37.4 13.4 20.0#
279 39.3 17.8 26.6#

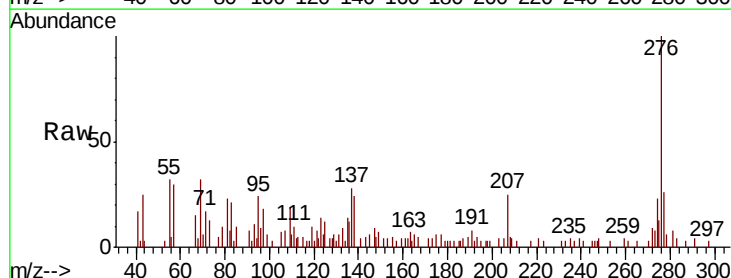


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.959 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.04 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:276 Resp: 24528
Ion Ratio Lower Upper
276 100
277 26.5 18.4 27.6
138 23.7 17.8 26.6



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

