

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117510.D
 Acq On : 24 Oct 2019 15:19
 Operator : JU
 Sample : K5498-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

Quant Time: Oct 25 01:03:20 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	51322	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	210730	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	110904	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	183918	20.00	ng	0.00
76) Chrysene-d12	13.89	240	106176	20.00	ng	0.00
87) Perylene-d12	15.33	264	109278	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	274230	79.49	ng	0.00
7) Phenol-d6	6.38	99	383104	82.68	ng	0.00
23) Nitrobenzene-d5	7.30	82	234981	55.05	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	70724	73.70	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	301985	38.37	ng	0.00
79) Terphenyl-d14	12.83	244	238821	36.69	ng	0.00

Target Compounds

					Qvalue	
6) Aniline	6.51	93	413	0.076 ng	#	1
9) Benzaldehyde	6.38	77	613	Below Cal	#	3
10) Phenol	6.39	94	10082	2.132 ng	#	89
11) bis(2-Chloroethyl)ether	6.51	93	413	0.118 ng	#	1
15) Benzyl Alcohol	6.89	79	3365	1.017 ng	#	51
19) n-Nitroso-di-n-propylamine	7.30	70	30792	10.882 ng	#	76
24) Nitrobenzene	7.30	77	363	0.089 ng	#	41
25) Isophorone	7.30	82	234979	31.822 ng	#	65
31) Naphthalene	8.03	128	828	0.079 ng	#	69
46) 1,1'-Biphenyl	9.19	154	143	0.016 ng	#	43
47) 2-Chloronaphthalene	9.48	162	328	0.047 ng	#	1
48) 2-Nitroaniline	9.48	65	598	0.263 ng	#	1
49) Acenaphthylene	9.63	152	544	0.054 ng	#	62
50) Dimethylphthalate	9.48	163	56314	7.123 ng	#	99
51) 2,6-Dinitrotoluene	9.76	165	13542	8.208 ng	#	22
52) Acenaphthene	9.80	154	307	0.049 ng	#	69
57) 2,4-Dinitrotoluene	9.76	165	13542	6.174 ng	#	12
58) Fluorene	10.32	166	414	0.055 ng	#	9
63) Azobenzene	10.55	77	420	0.051 ng	#	46
66) n-Nitrosodiphenylamine	10.56	169	2674	0.398 ng	#	42
67) 4-Bromophenyl-phenylether	10.56	248	4384	2.213 ng	#	1
71) Phenanthrene	11.27	178	6378	0.597 ng	#	95
72) Anthracene	11.27	178	6378	0.582 ng	#	96
73) Carbazole	11.50	167	951	0.095 ng	#	59
74) Di-n-butylphthalate	11.81	149	678	0.051 ng	#	78
75) Fluoranthene	12.47	202	12552	1.174 ng	#	94
77) Benzidine	12.83	184	3068	Below Cal	#	97
78) Pyrene	12.69	202	12386	1.358 ng	#	99
80) Butylbenzylphthalate	13.30	149	1238	0.273 ng	#	88
81) Benzo(a)anthracene	13.88	228	5689	0.794 ng	#	91
83) Chrysene	13.92	228	5969	0.850 ng	#	94
84) Bis(2-ethylhexyl)phthalate	13.86	149	26331	4.142 ng	#	97
85) Di-n-octyl phthalate	14.48	149	367	0.038 ng	#	1
86) Indeno(1,2,3-cd)pyrene	16.76	276	3971	0.758 ng	#	92

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

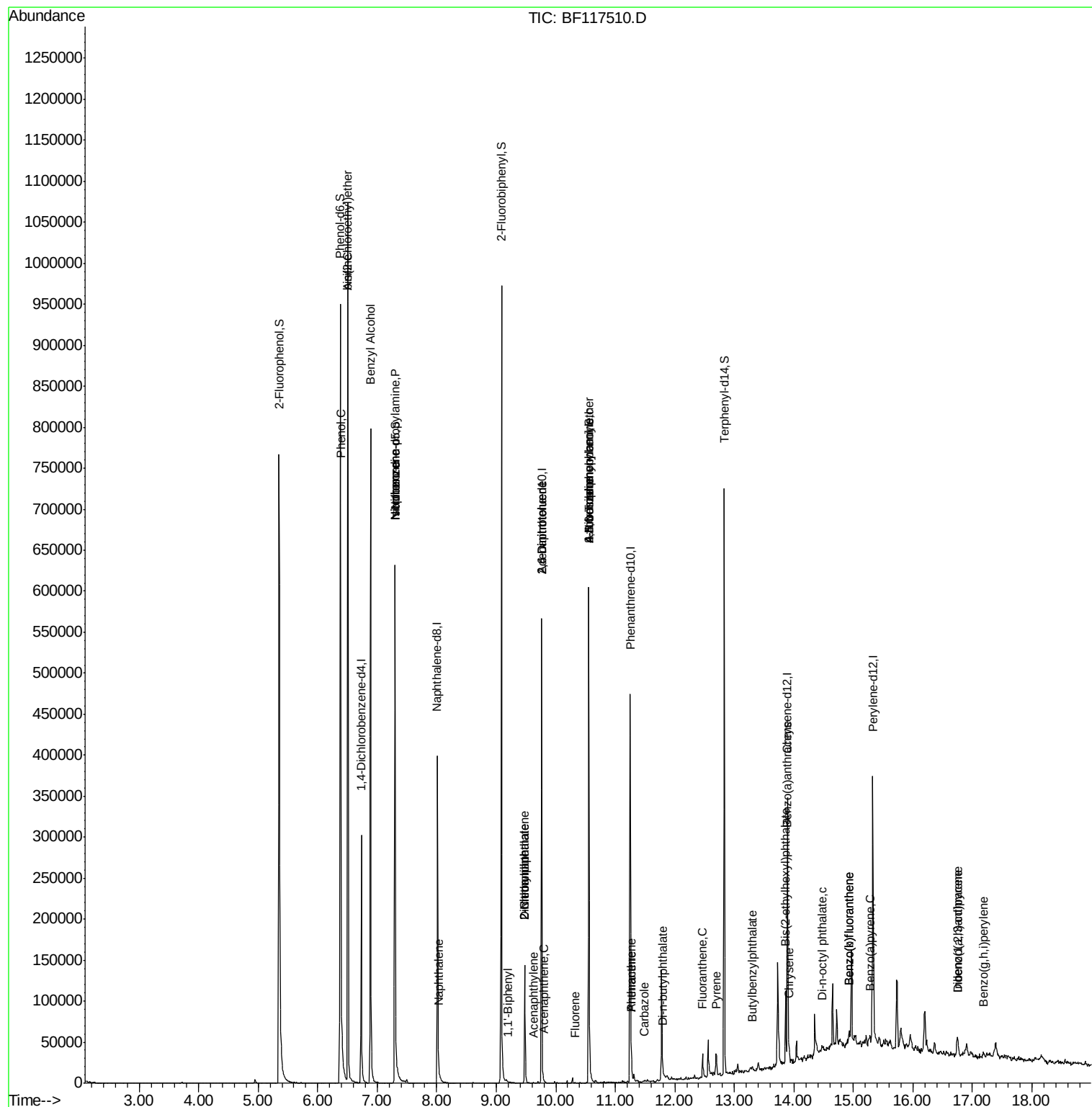
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	14.93	252	9967	1.545	ng	# 77
89) Benzo(k)fluoranthene	14.93	252	9967	1.507	ng	# 77
90) Benzo(a)pyrene	15.27	252	5061	0.863	ng	# 66
91) Dibenzo(a,h)anthracene	16.74	278	1039	0.205	ng	# 17
92) Benzo(g,h,i)perylene	17.18	276	3614	0.753	ng	97

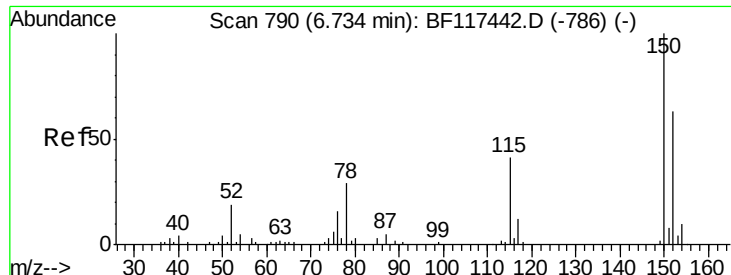
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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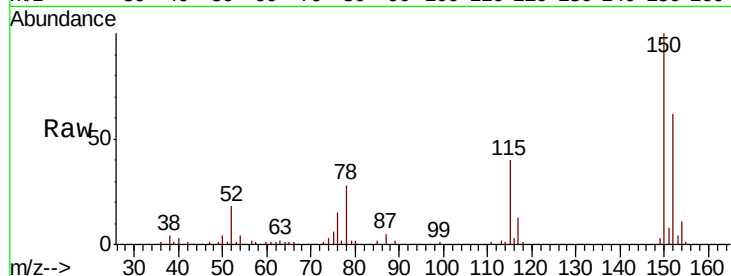


#1

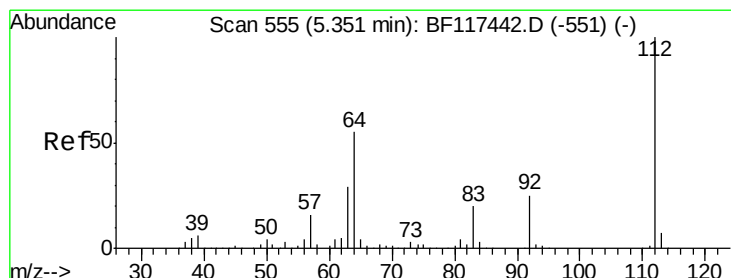
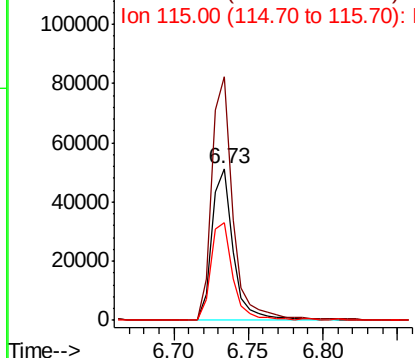
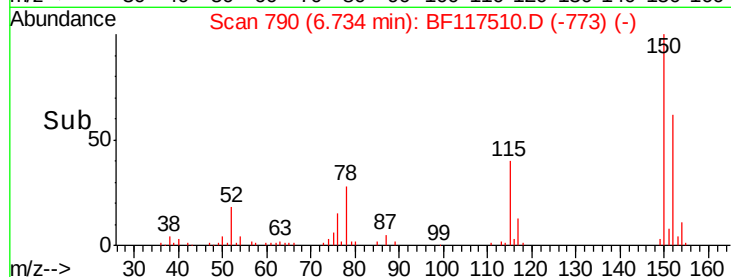
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

Tot Ion:152 Resp: 51322
 Ion Ratio Lower Upper
 152 100
 150 160.8 126.8 190.2
 115 64.6 51.6 77.4



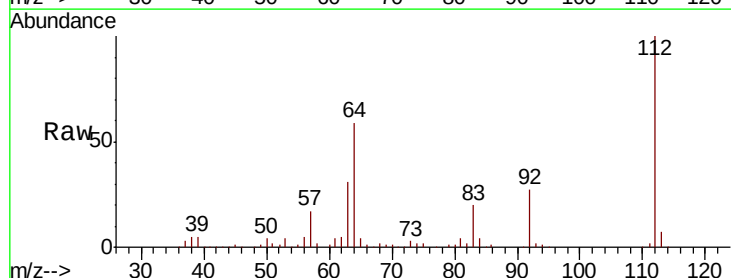
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



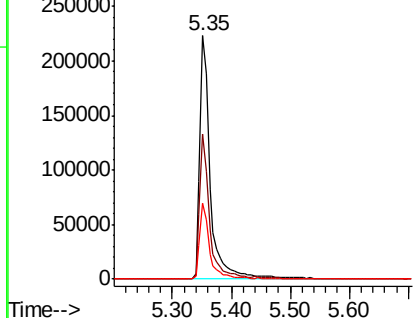
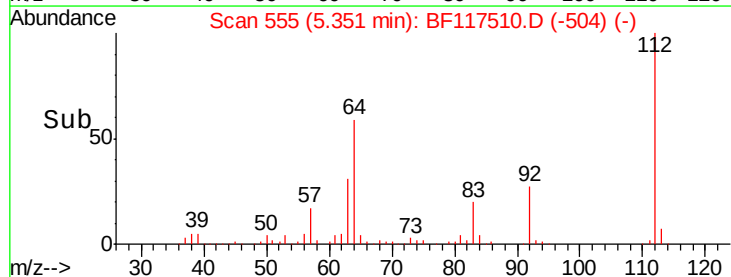
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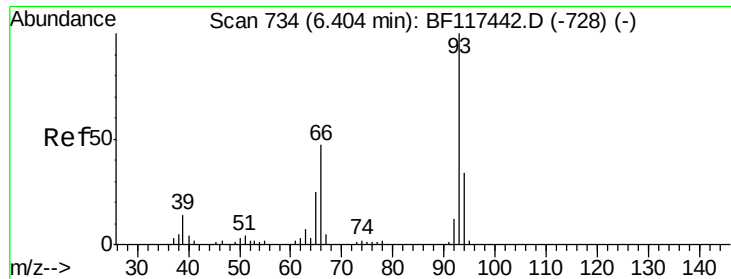
2-Fluorophenol
 Concen: 79.493 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion:112 Resp: 274230
 Ion Ratio Lower Upper
 112 100
 64 59.5 44.1 66.1
 63 31.0 23.4 35.2



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: 0.076 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

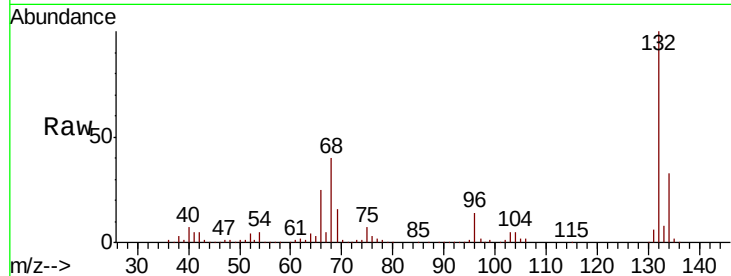
Tot Ion: 93 Resp: 413

Ion Ratio Lower Upper

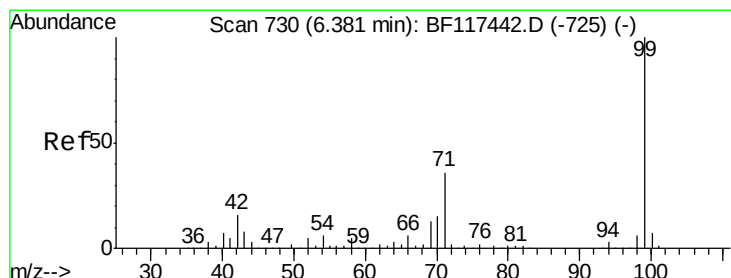
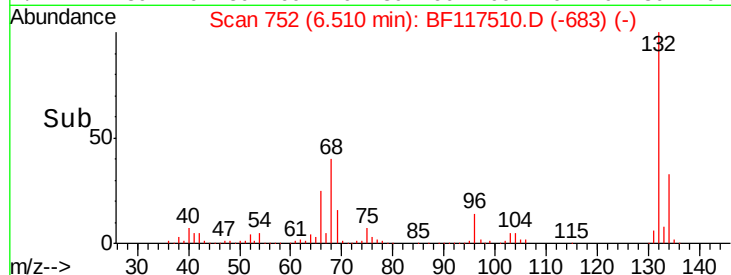
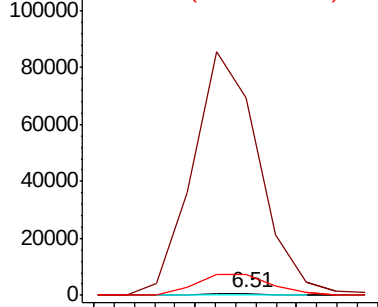
93 100

66 9822.9 38.7 58.1#

65 1012.4 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: 82.683 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

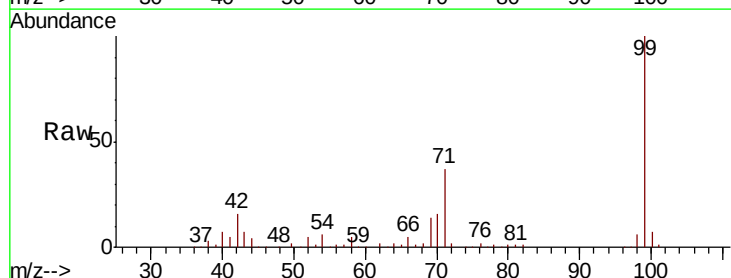
Tgt Ion: 99 Resp: 383104

Ion Ratio Lower Upper

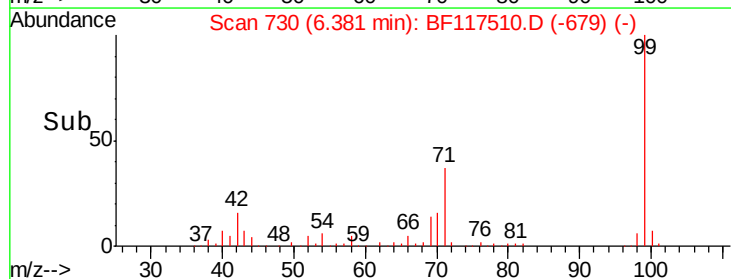
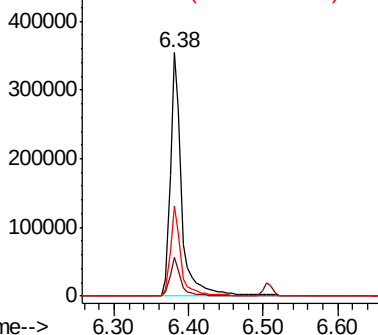
99 100

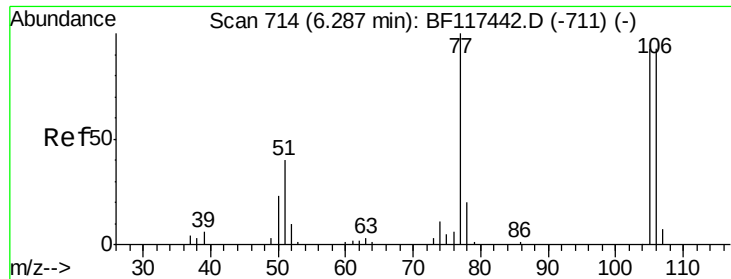
42 15.8 12.8 19.2

71 37.2 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

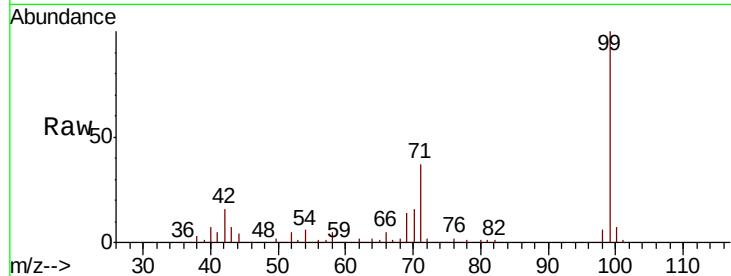




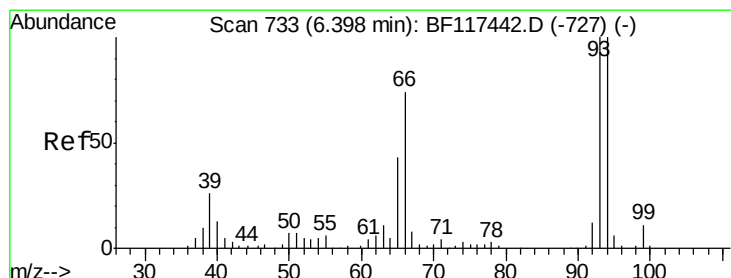
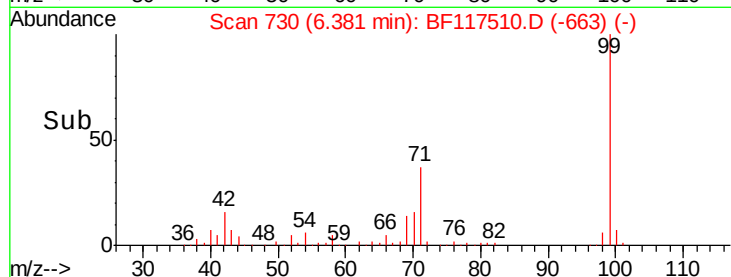
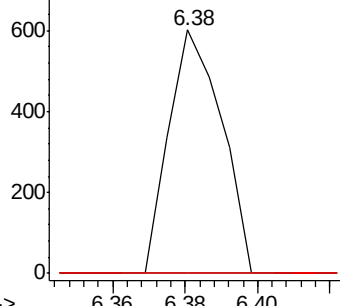
#9
Benzaldehyde
Concen: Below Cal
RT: 6.38 min Scan# 730
Delta R.T. 0.09 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Instrument :
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ClientSampleId :
196-58-(0-1)

Tot Ion: 77 Resp: 613
Ion Ratio Lower Upper
77 100
105 0.0 73.4 113.4#
106 0.0 73.0 113.0#

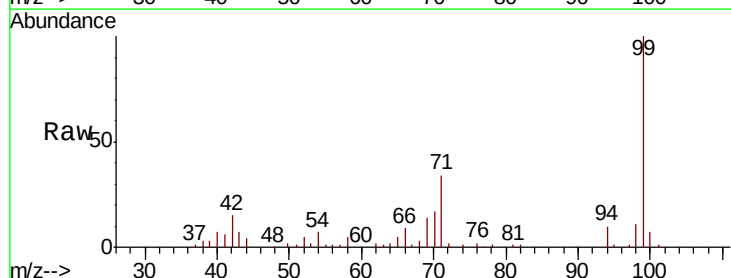


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

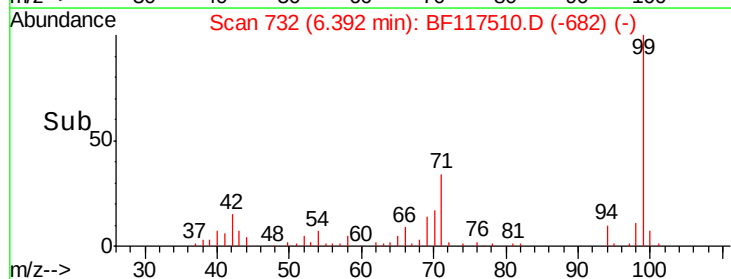
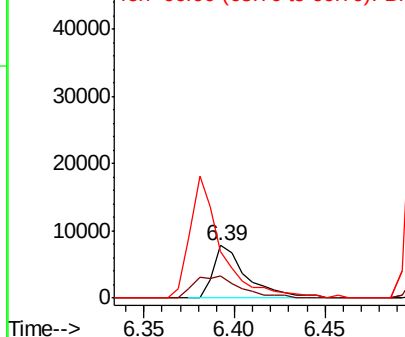


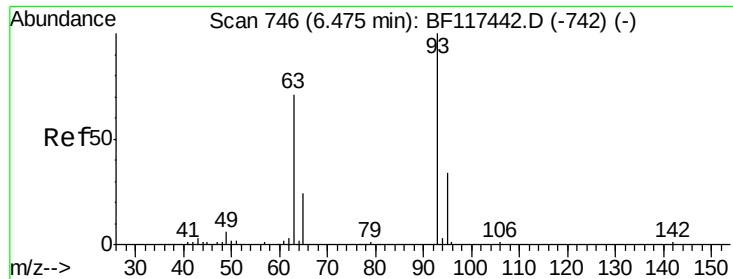
#10
Phenol
Concen: 2.132 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion: 94 Resp: 10082
Ion Ratio Lower Upper
94 100
65 43.5 23.4 63.4
66 88.9 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

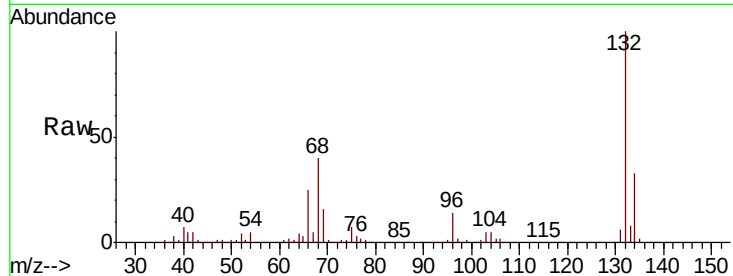




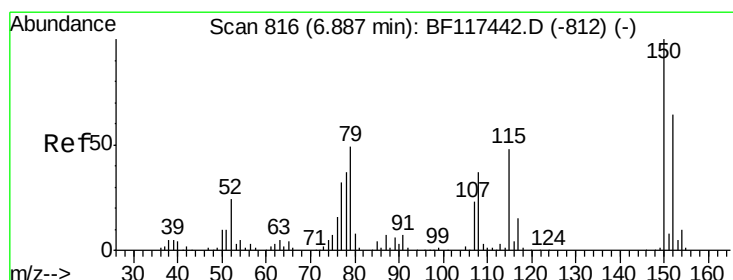
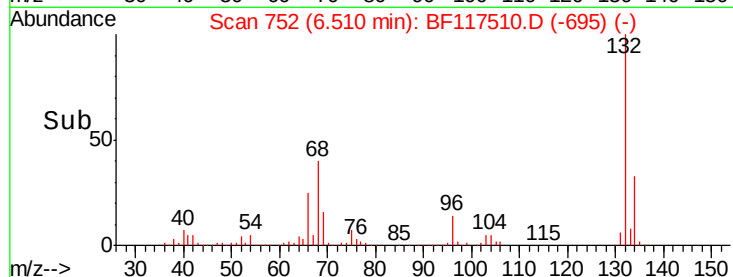
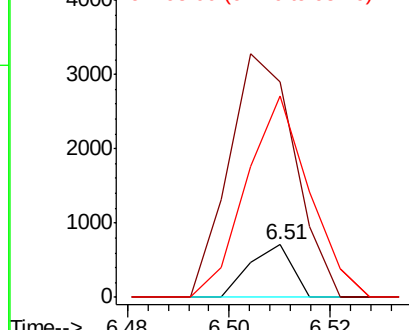
#11
bis(2-Chloroethyl)ether
Concen: 0.118 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.04 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Instrument :
BNA_F
ClientSampleId :
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Tot Ion: 93 Resp: 413
Ion Ratio Lower Upper
93 100
63 410.5 50.2 90.2#
95 384.3 13.9 53.9#

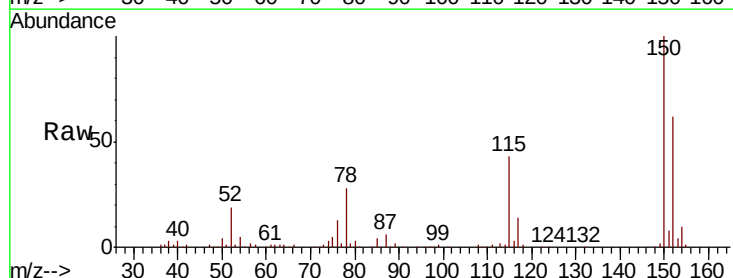


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

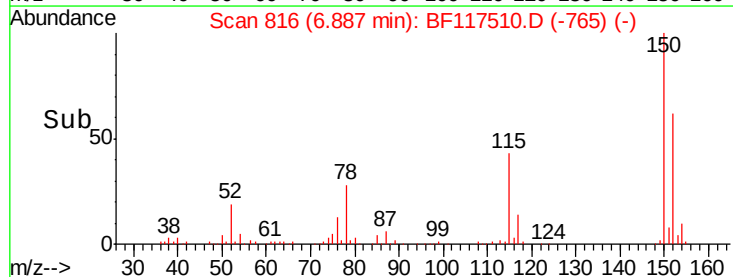
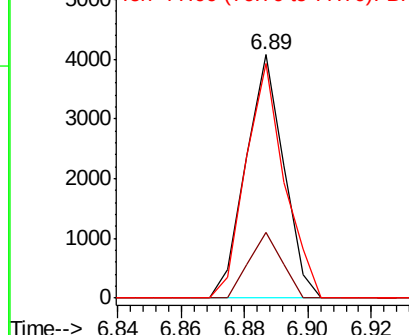


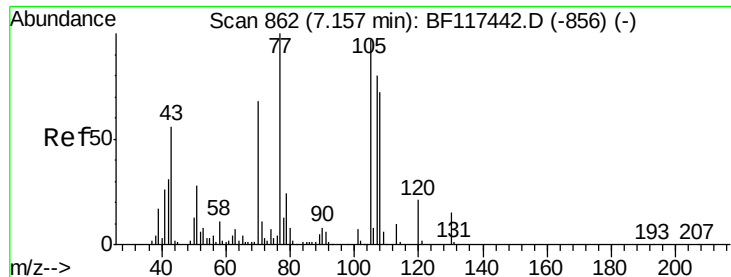
#15
Benzyl Alcohol
Concen: 1.017 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion: 79 Resp: 3365
Ion Ratio Lower Upper
79 100
108 27.1 59.8 89.8#
77 96.2 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

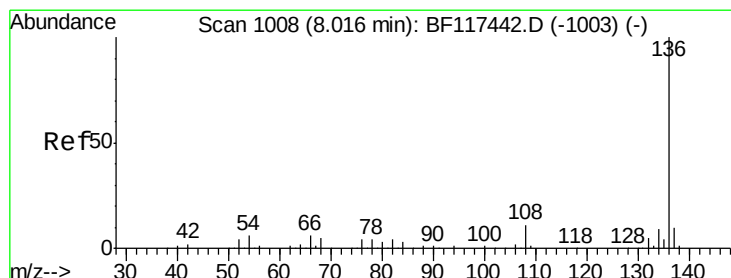
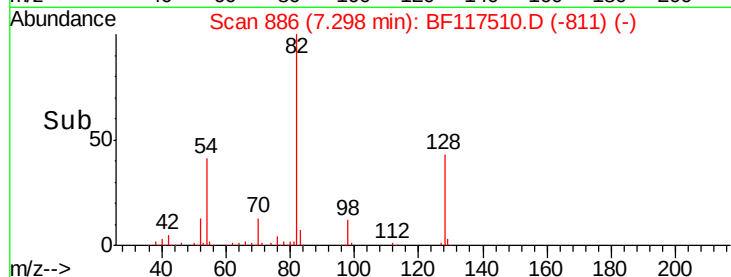
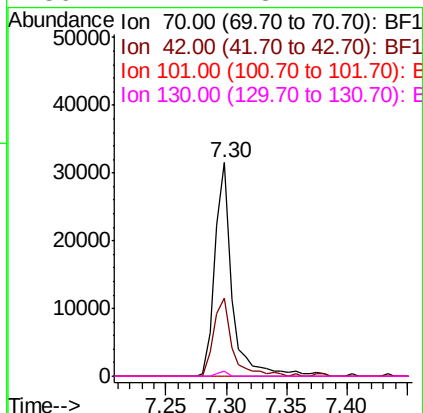
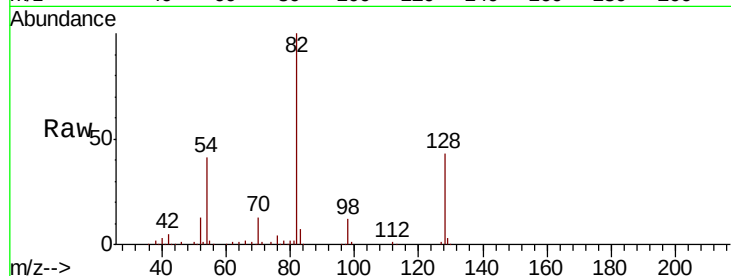




#19
n-Nitroso-di-n-propylamine
Concen: 10.882 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

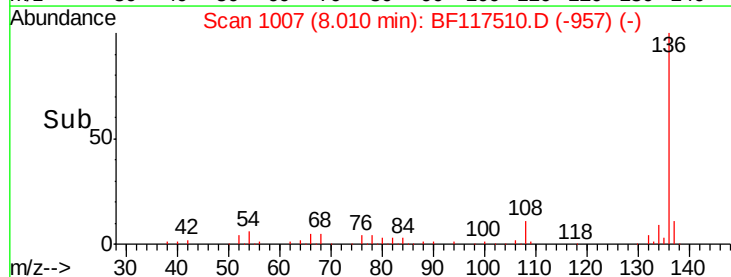
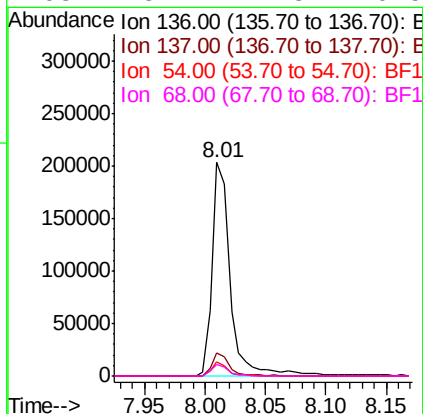
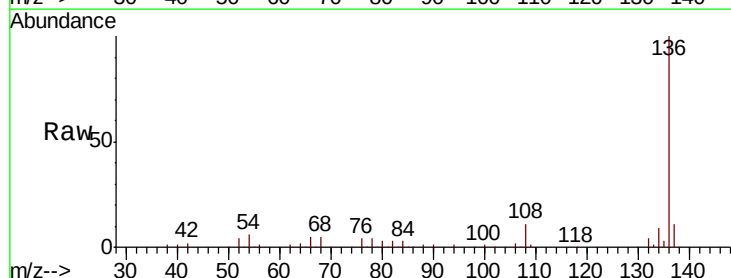
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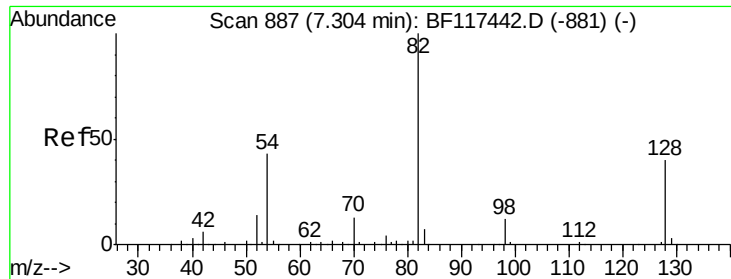
Tot Ion: 70 Resp: 30792
Ion Ratio Lower Upper
70 100
42 36.5 36.7 55.1#
101 0.0 8.3 12.5#
130 2.4 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion: 136 Resp: 210730
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 6.3 4.5 6.7
68 5.4 4.3 6.5

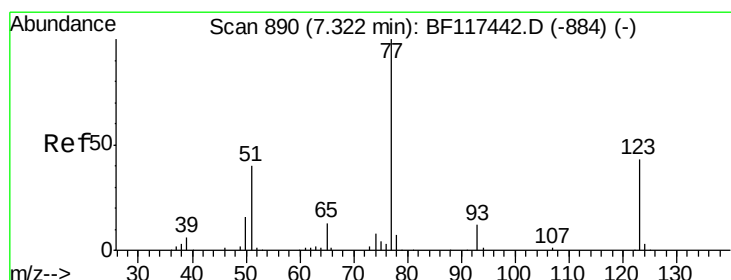
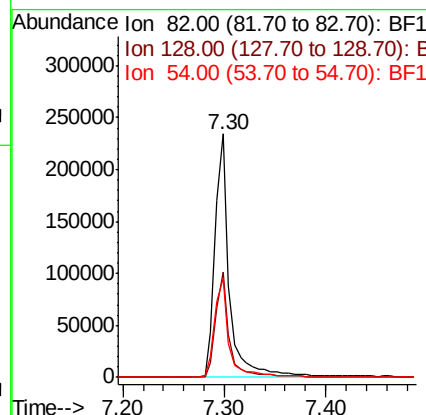
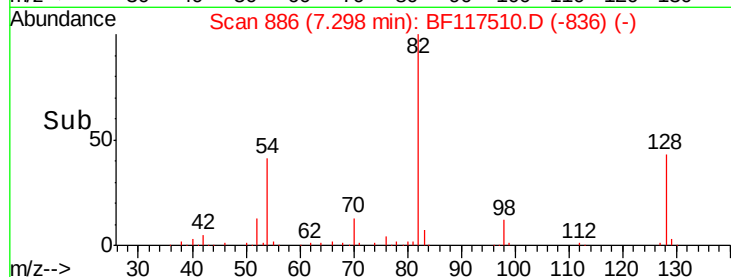
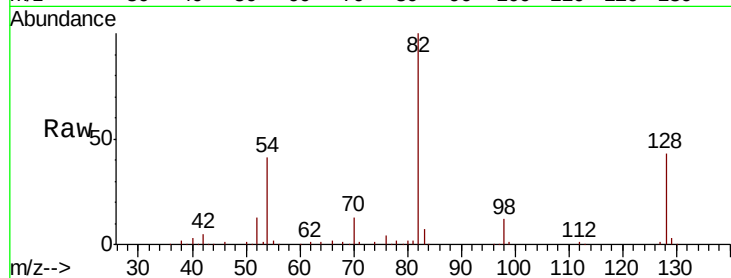




#23
 Nitrobenzene-d5
 Concen: 55.049 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

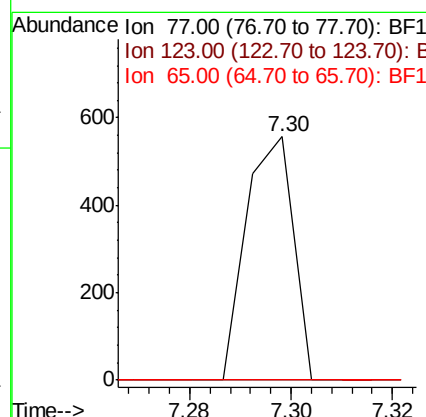
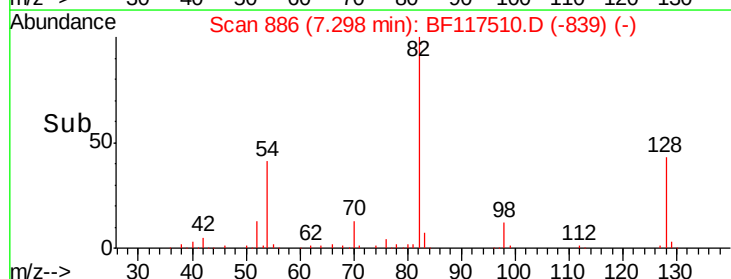
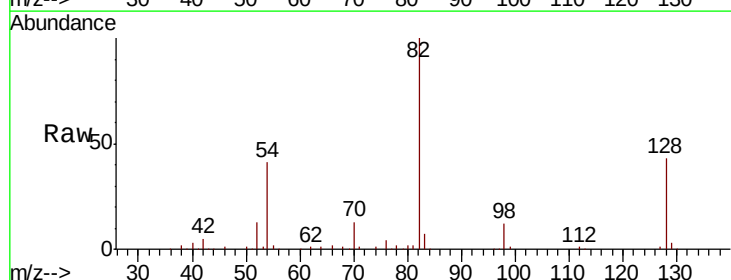
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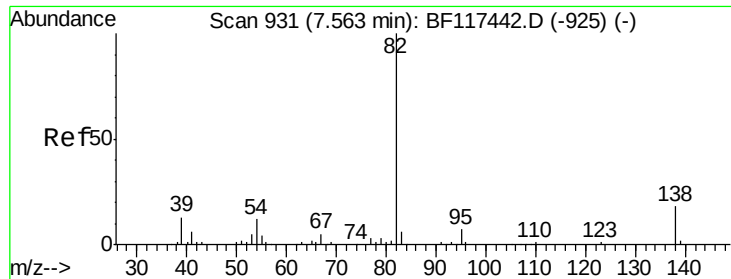
Tot Ion: 82 Resp: 234981
 Ion Ratio Lower Upper
 82 100
 128 43.4 32.2 48.2
 54 40.8 34.2 51.2



#24
 Nitrobenzene
 Concen: 0.089 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion: 77 Resp: 363
 Ion Ratio Lower Upper
 77 100
 123 0.0 34.2 51.2#
 65 0.0 10.3 15.5#





#25

Isophorone

Concen: 31.822 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

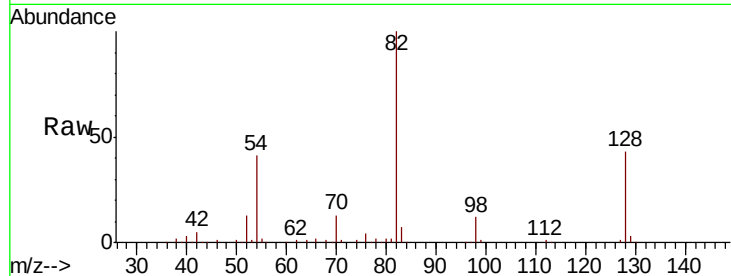
Tot Ion: 82 Resp: 234979

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

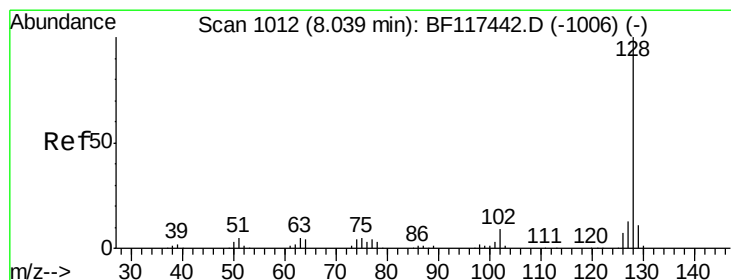
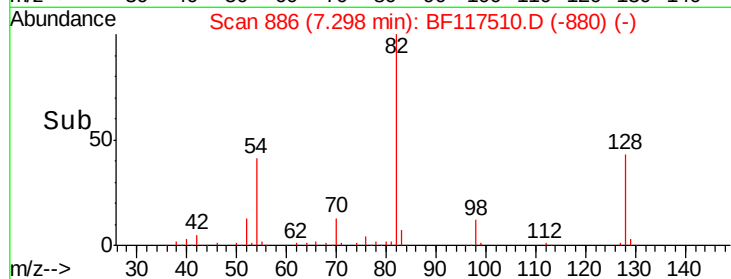
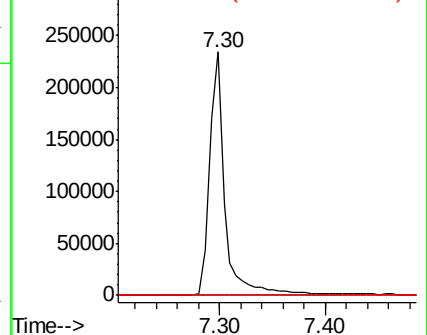
138 0.0 14.2 21.2#



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: 0.079 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

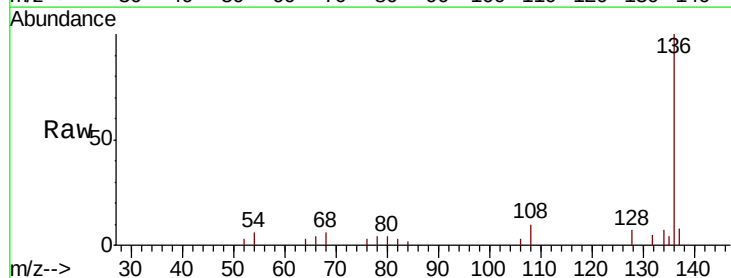
Tgt Ion: 128 Resp: 828

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

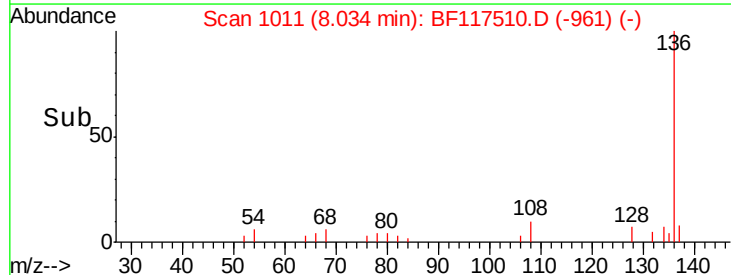
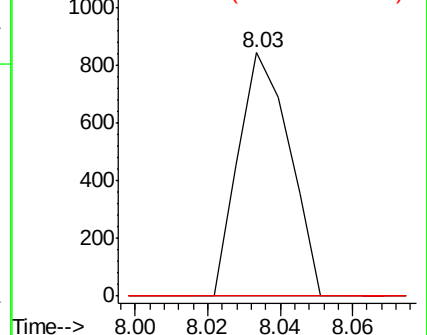
127 0.0 10.2 15.2#

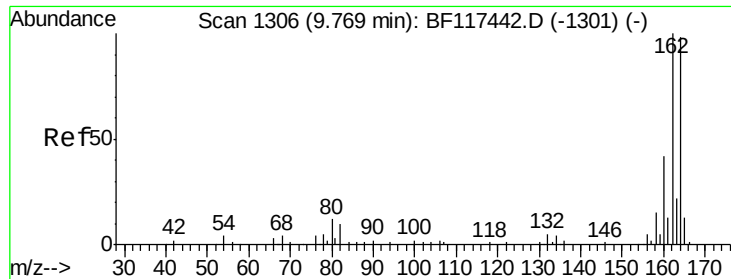


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

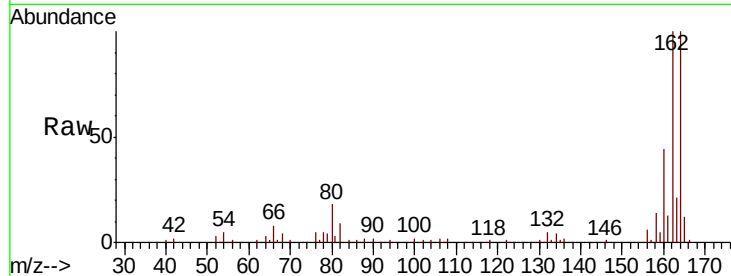




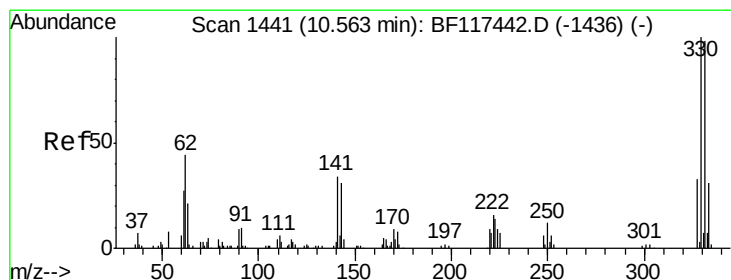
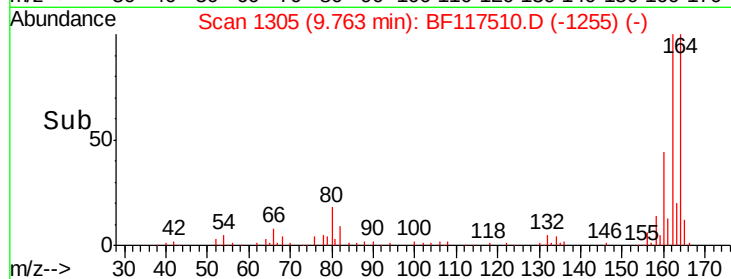
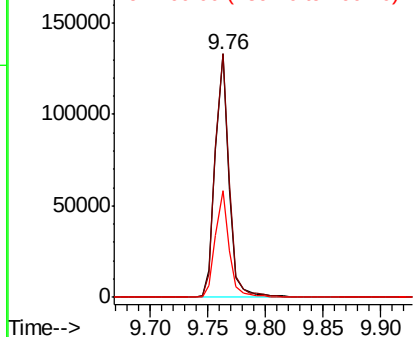
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

Tot Ion:164 Resp: 110904
 Ion Ratio Lower Upper
 164 100
 162 100.0 81.8 122.6
 160 43.8 34.4 51.6

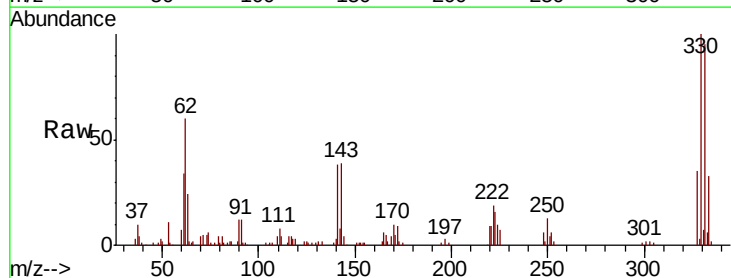


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

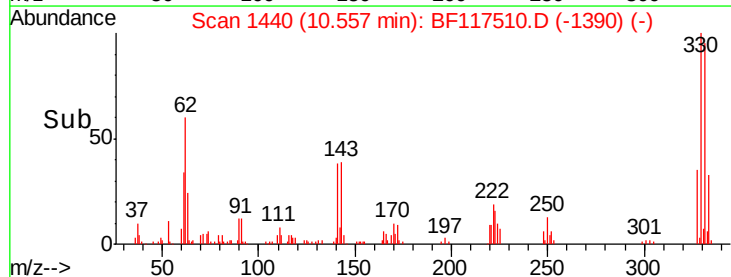
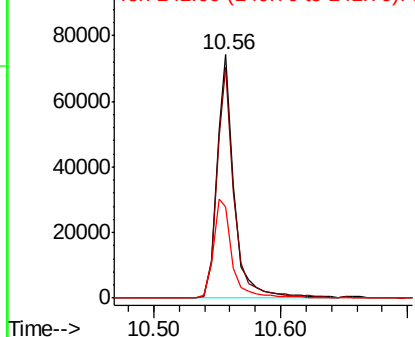


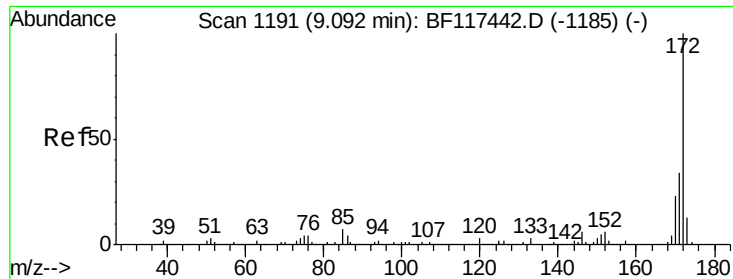
#42
 2,4,6-Tribromophenol
 Concen: 73.701 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion:330 Resp: 70724
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.5 117.7
 141 44.5 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

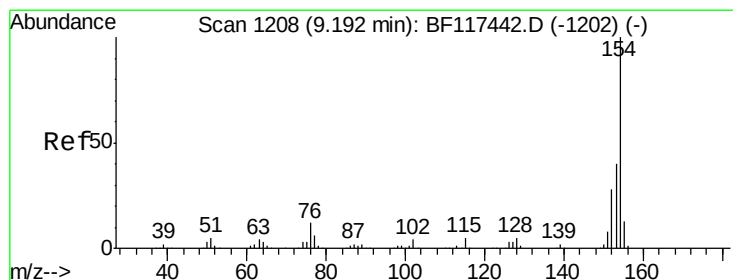
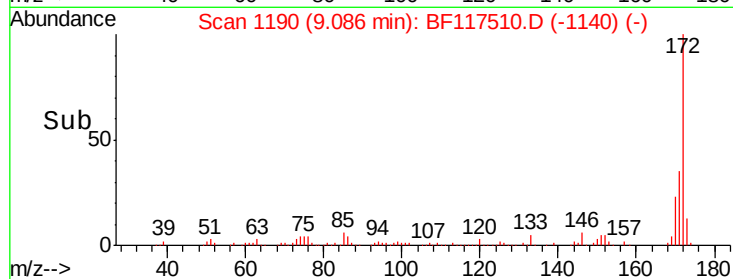
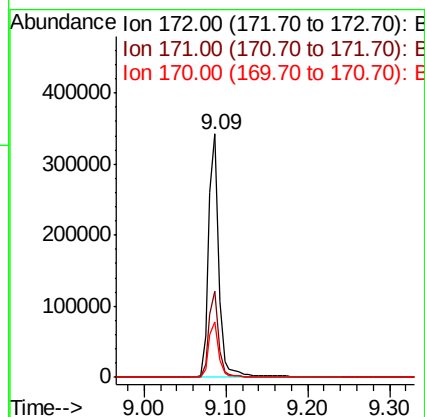
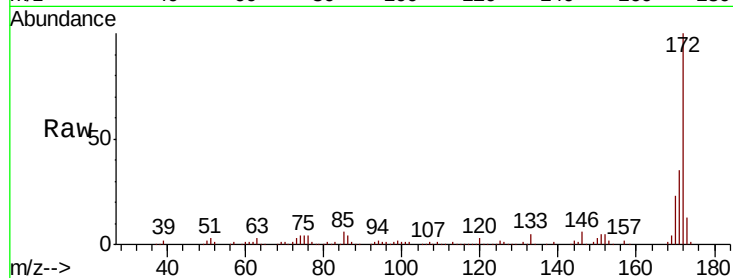




#45
2-Fluorobiphenyl
Concen: 38.366 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

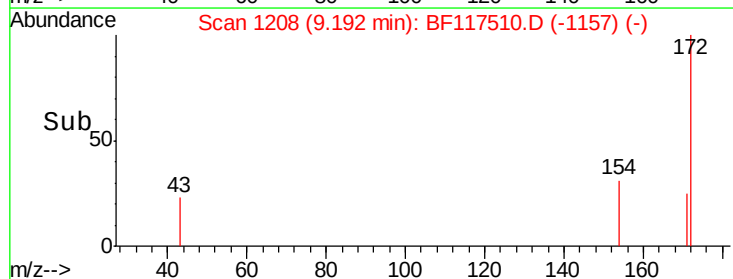
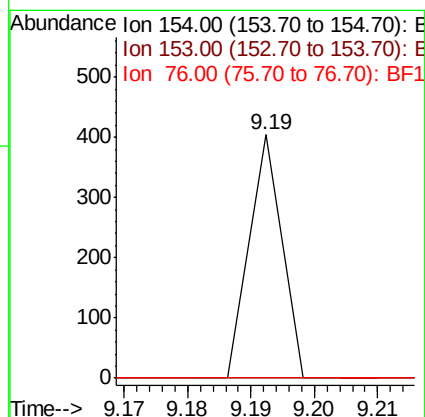
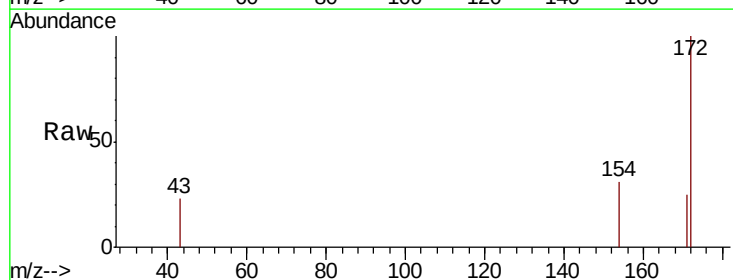
Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

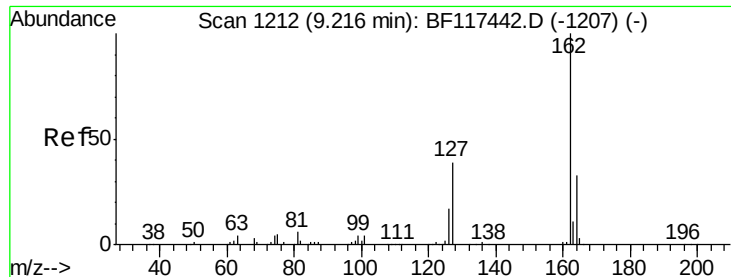
Tot Ion:172 Resp: 301985
Ion Ratio Lower Upper
172 100
171 35.2 27.5 41.3
170 22.7 18.6 27.8



#46
1,1'-Biphenyl
Concen: 0.016 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:154 Resp: 143
Ion Ratio Lower Upper
154 100
153 0.0 20.2 60.2#
76 0.0 0.0 32.1

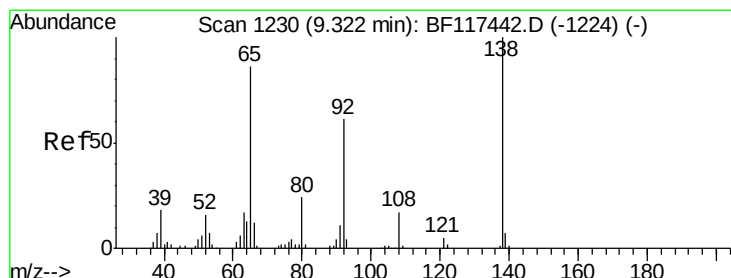
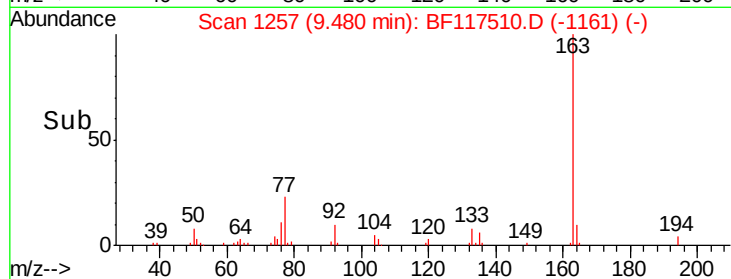
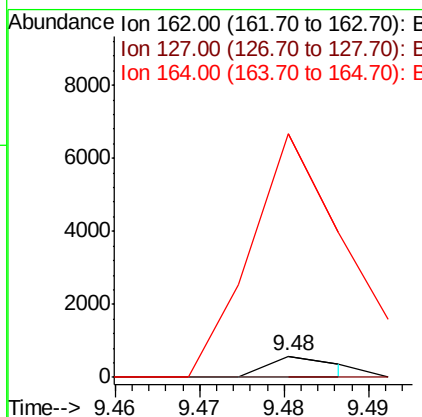
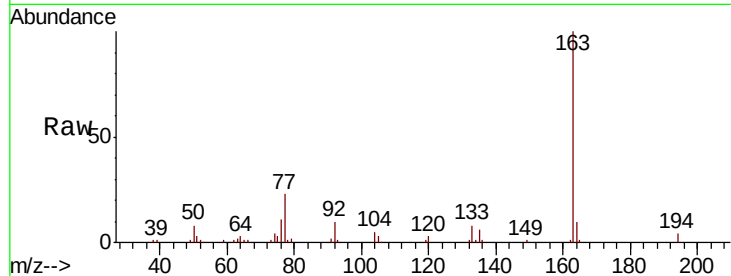




#47
 2-Chloronaphthalene
 Concen: 0.047 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.26 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

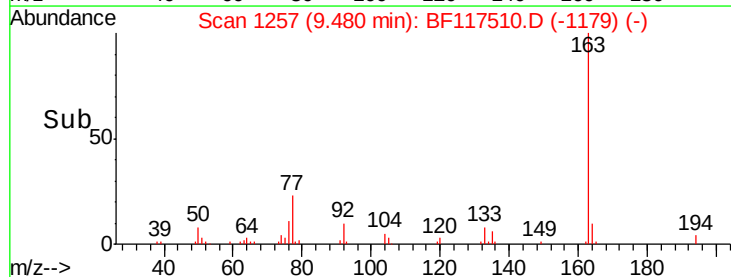
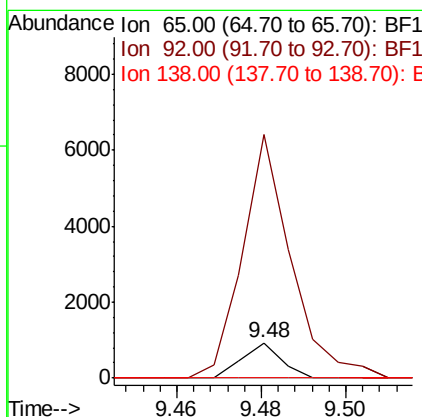
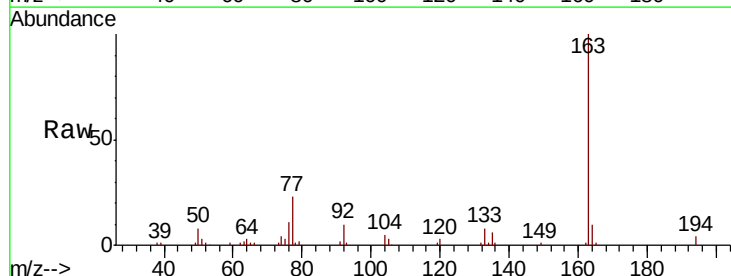
Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

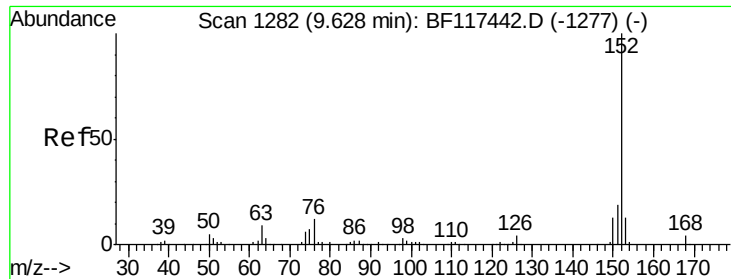
Tot Ion: 162 Resp: 328
 Ion Ratio Lower Upper
 162 100
 127 0.0 34.2 51.4#
 164 1158.3 26.4 39.6#



#48
 2-Nitroaniline
 Concen: 0.263 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.16 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion: 65 Resp: 598
 Ion Ratio Lower Upper
 65 100
 92 693.9 57.3 85.9#
 138 0.0 93.3 139.9#





#49

Acenaphthylene

Concen: 0.054 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

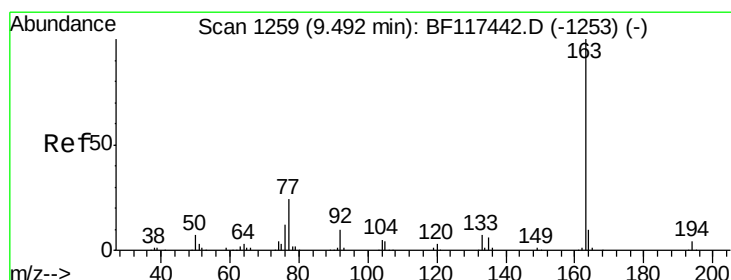
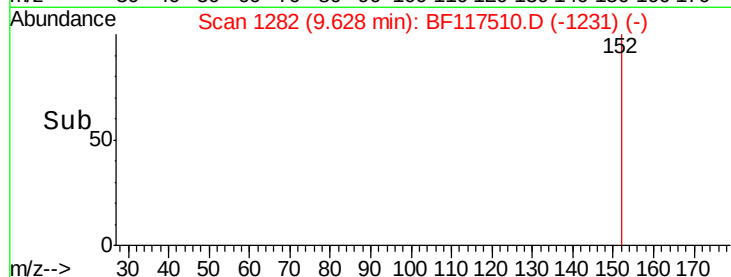
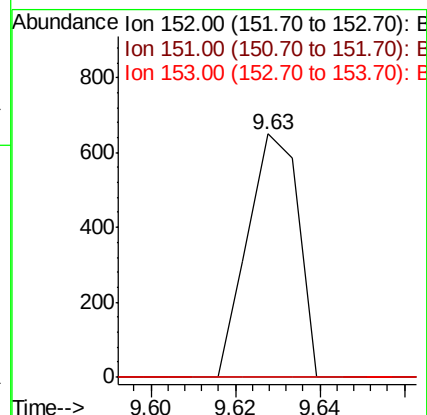
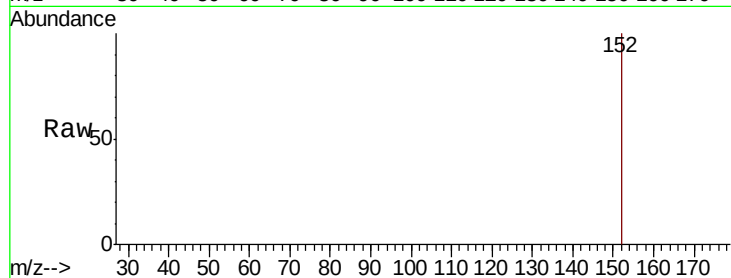
Tot Ion:152 Resp: 544

Ion Ratio Lower Upper

152 100

151 0.0 15.4 23.0#

153 0.0 10.3 15.5#



#50

Dimethylphthalate

Concen: 7.123 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

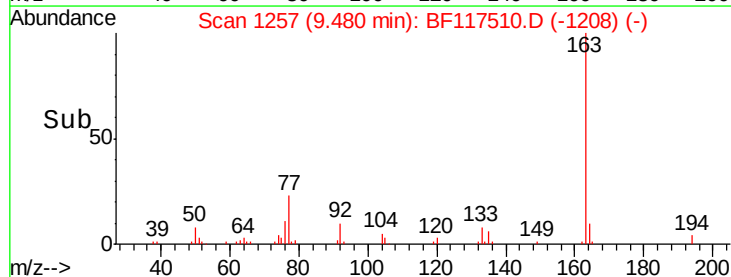
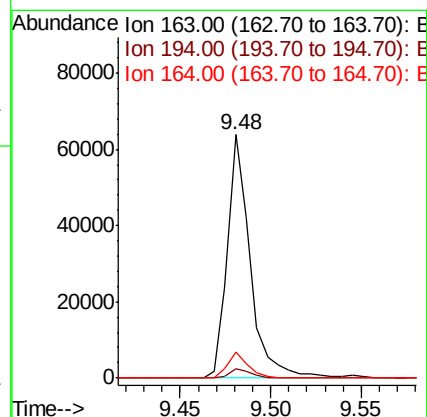
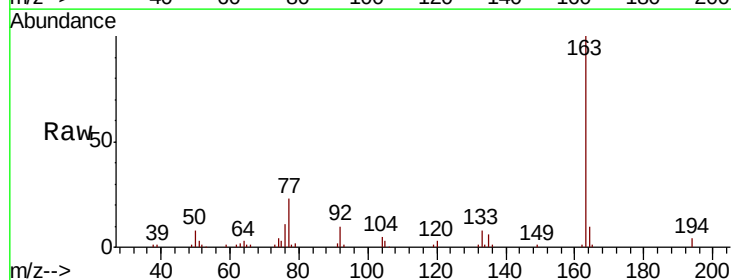
Tgt Ion:163 Resp: 56314

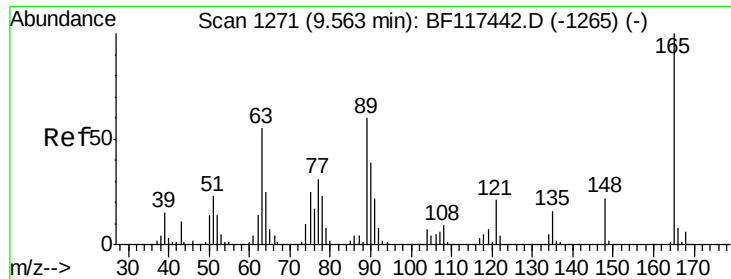
Ion Ratio Lower Upper

163 100

194 3.9 2.9 4.3

164 10.4 8.2 12.2

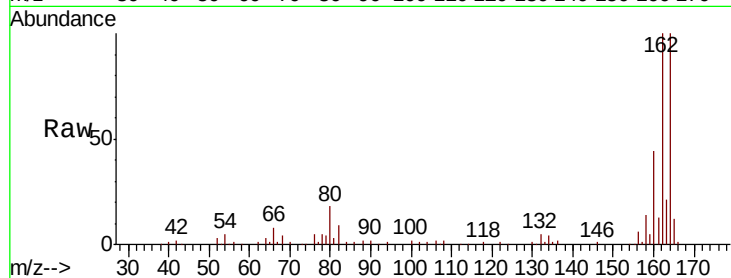




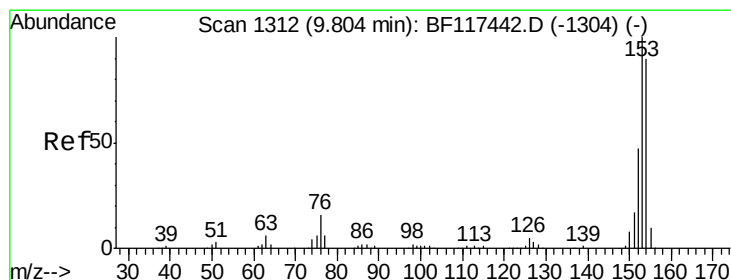
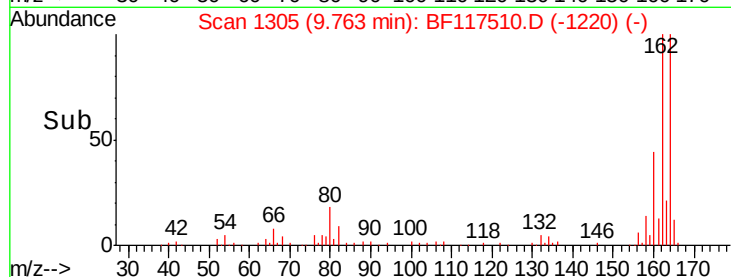
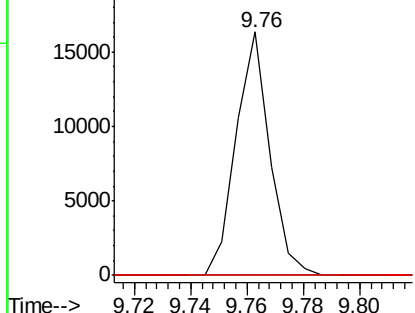
#51
2,6-Dinitrotoluene
Concen: 8.208 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

Tot Ion:165 Resp: 13542
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 47.6 71.4#

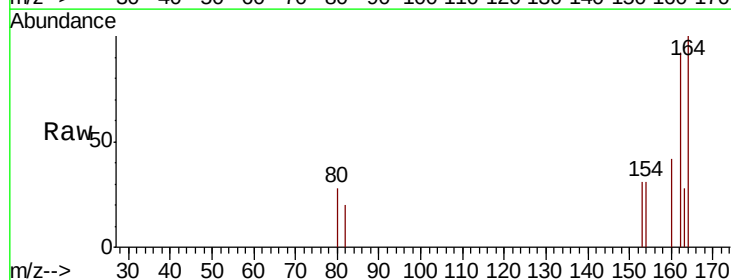


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

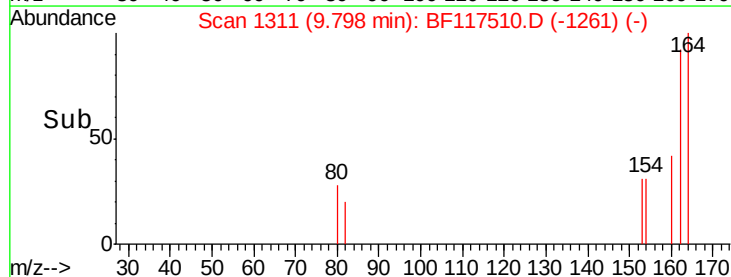
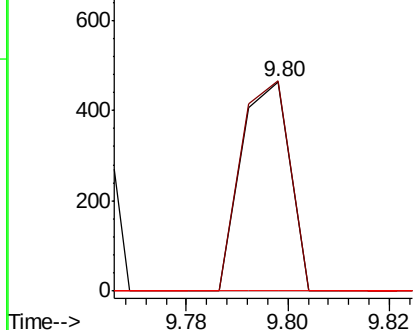


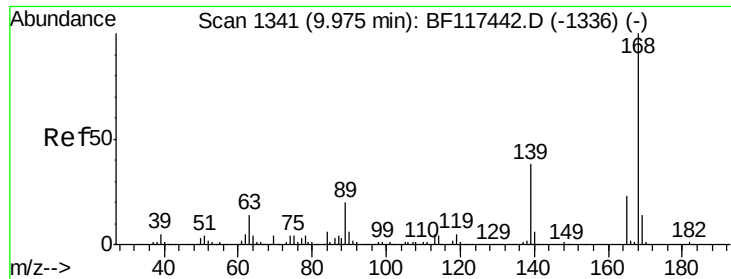
#52
Acenaphthene
Concen: 0.049 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:154 Resp: 307
Ion Ratio Lower Upper
154 100
153 100.4 89.2 133.8
152 0.0 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

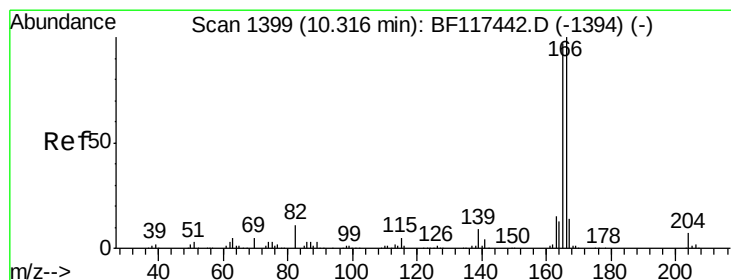
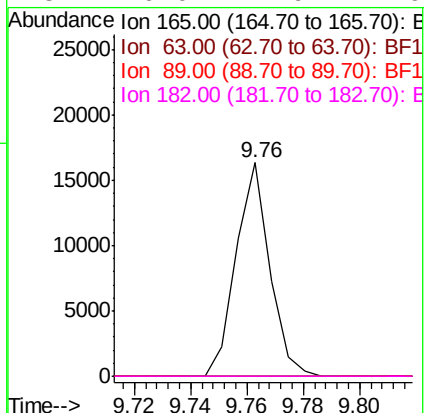
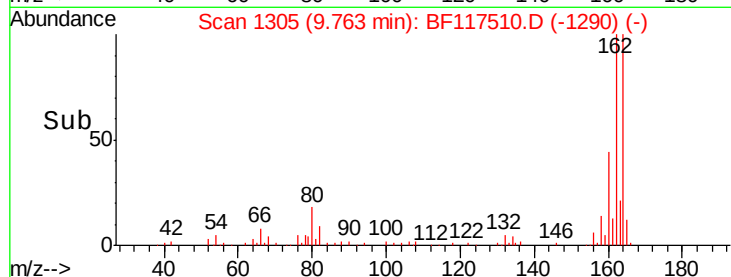
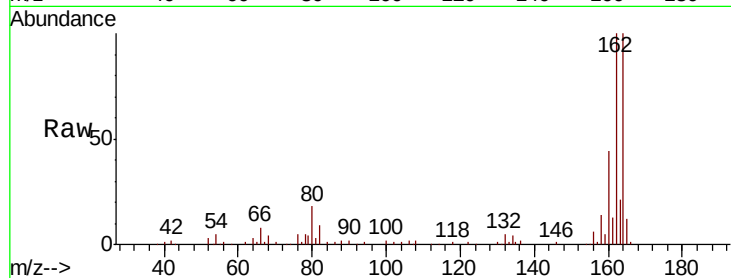




#57
2,4-Dinitrotoluene
Concen: 6.174 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

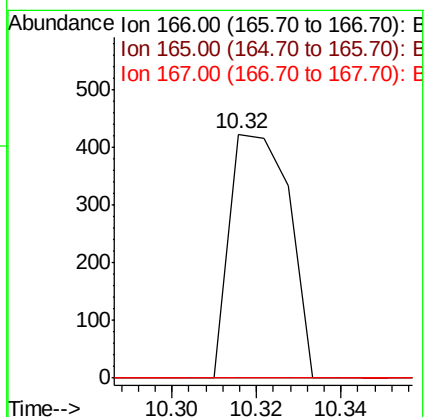
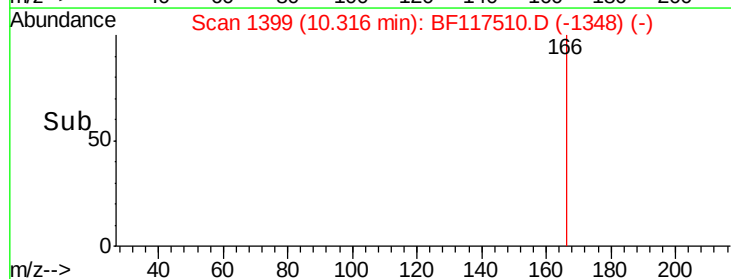
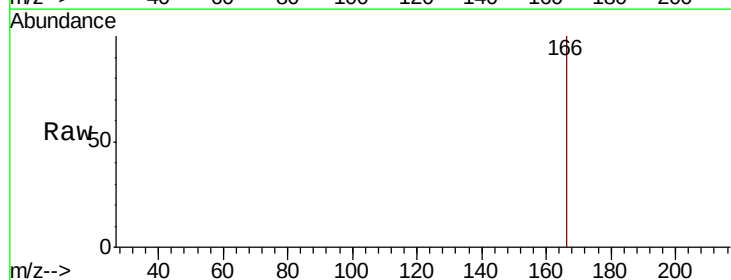
Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

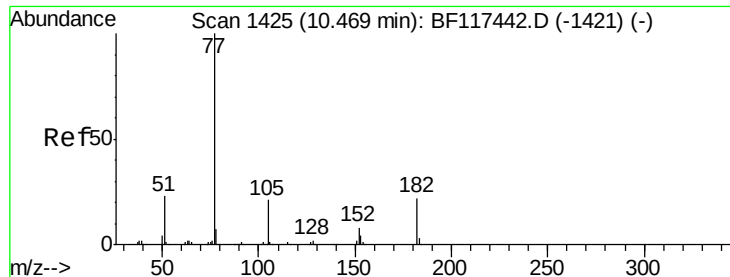
Tot Ion:165 Resp: 13542
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 0.055 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:166 Resp: 414
Ion Ratio Lower Upper
166 100
165 0.0 77.6 116.4#
167 0.0 11.0 16.4#





#63

Azobenzene

Concen: 0.051 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.08 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

Tot Ion: 77 Resp: 420

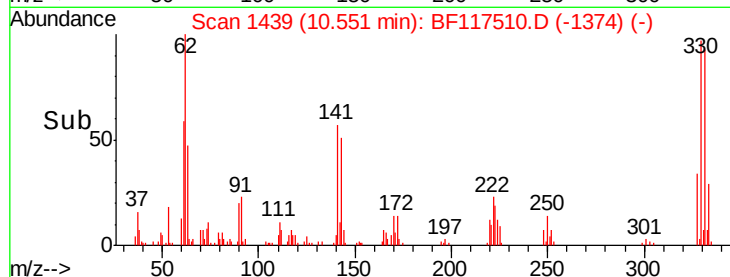
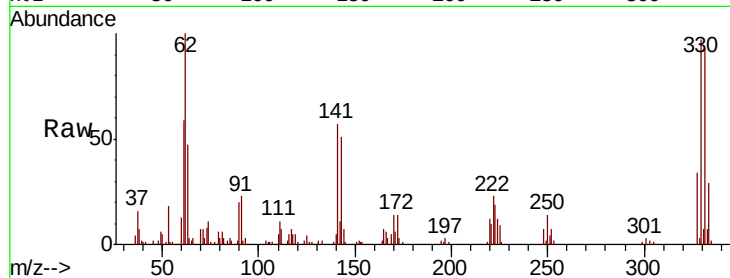
Ion Ratio Lower Upper

77 100

182 0.0 2.3 42.3#

105 53.3 1.3 41.3#

51 0.0 3.5 43.5#

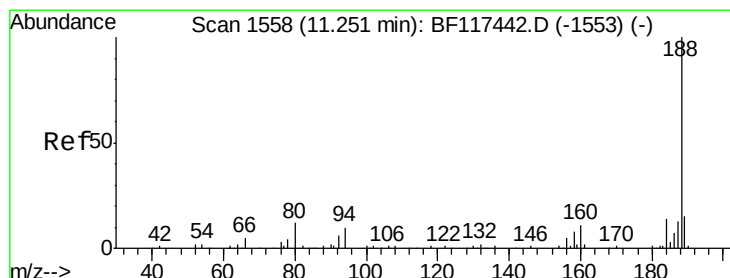
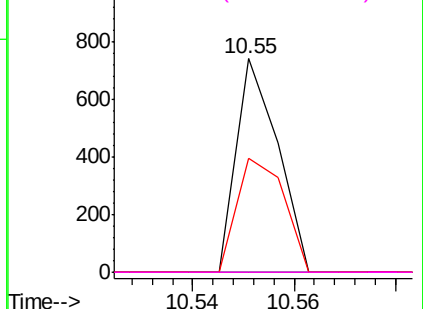


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

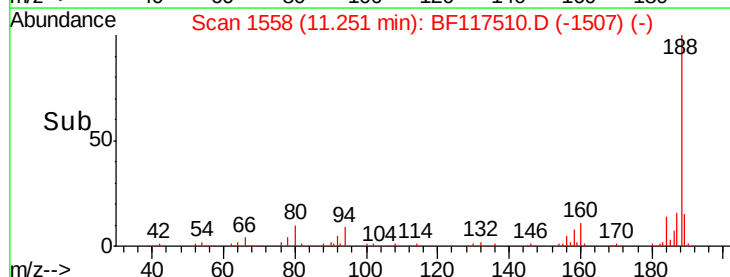
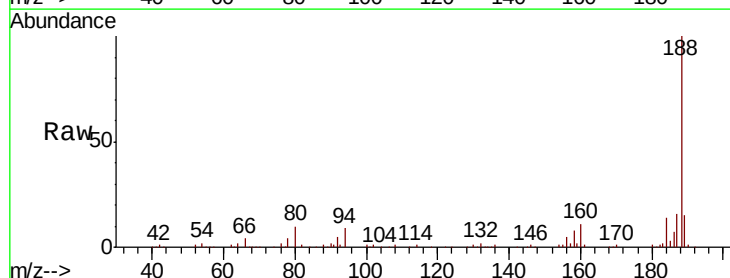
Tgt Ion: 188 Resp: 183918

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

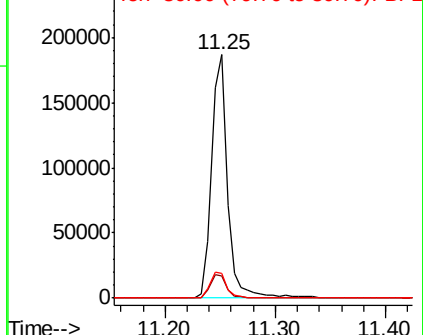
80 10.1 9.5 14.3

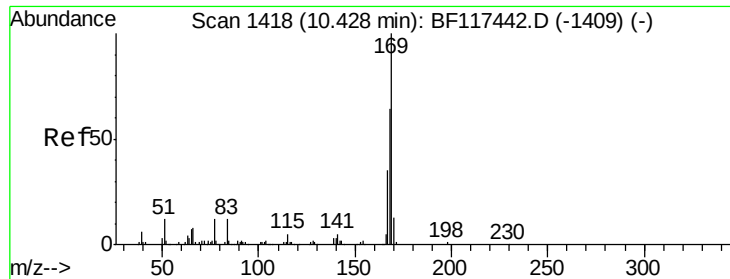


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

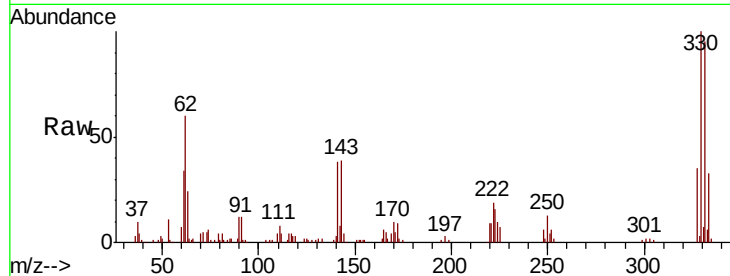




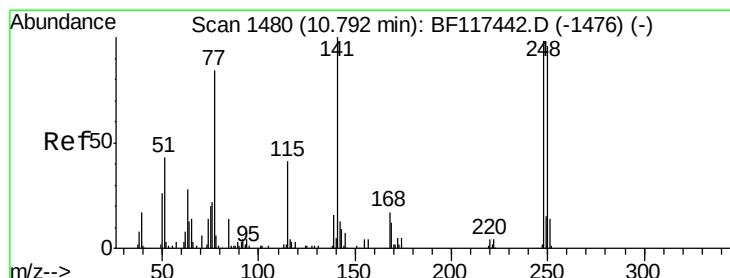
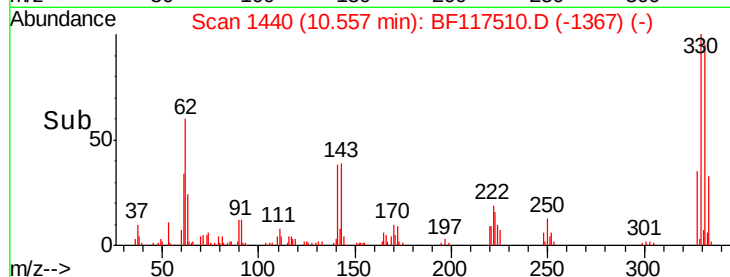
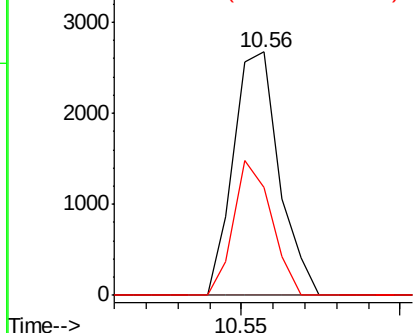
#66
n-Nitrosodiphenylamine
Concen: 0.398 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.13 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

Tot Ion:169 Resp: 2674
Ion Ratio Lower Upper
169 100
168 0.0 51.3 76.9#
167 44.2 28.2 42.4#

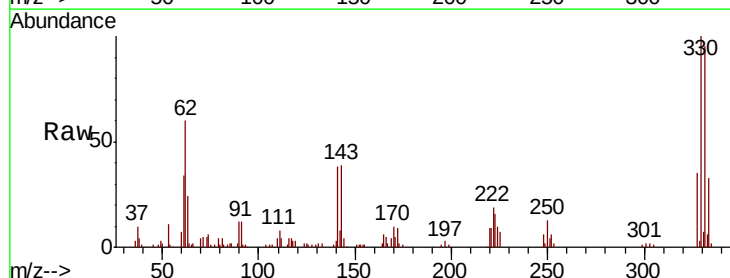


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

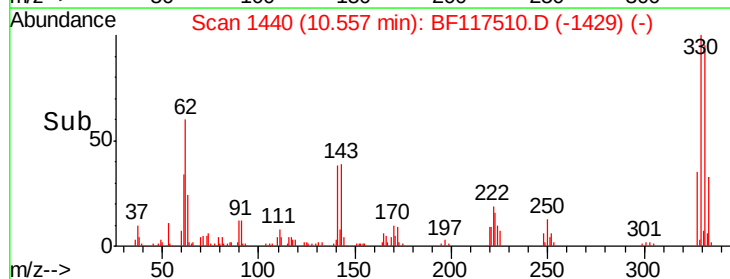
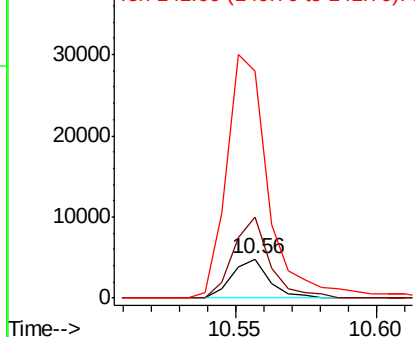


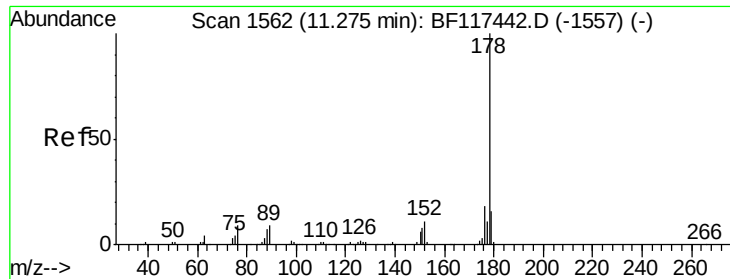
#67
4-Bromophenyl-phenylether
Concen: 2.213 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:248 Resp: 4384
Ion Ratio Lower Upper
248 100
250 206.5 78.0 117.0#
141 580.1 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

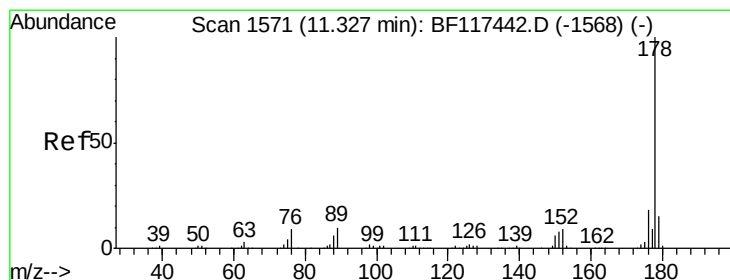
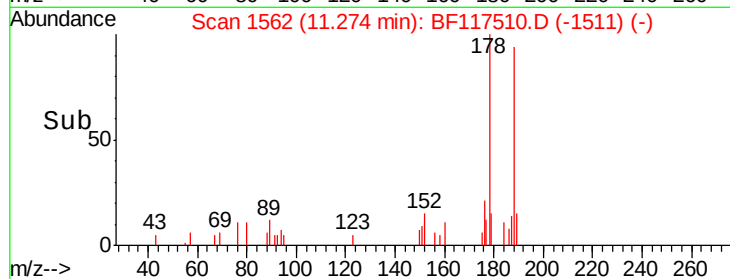
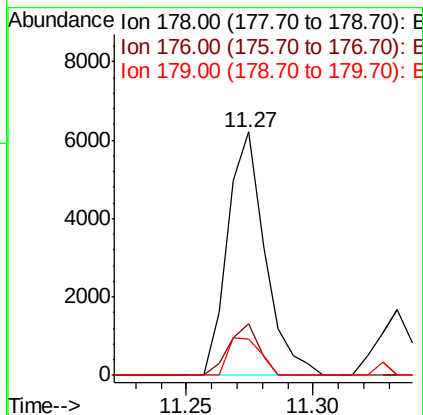
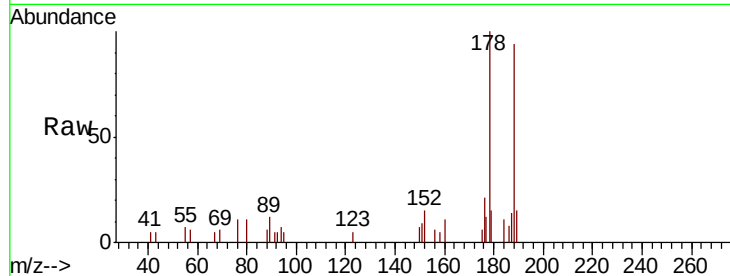




#71
Phenanthrene
Concen: 0.597 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

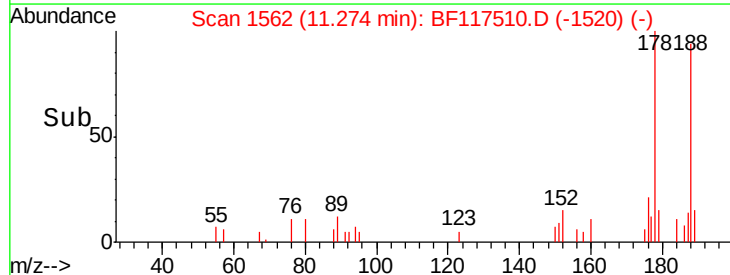
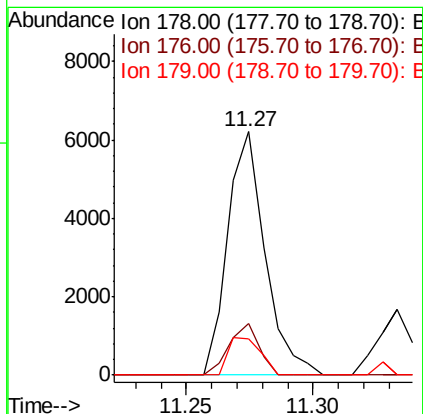
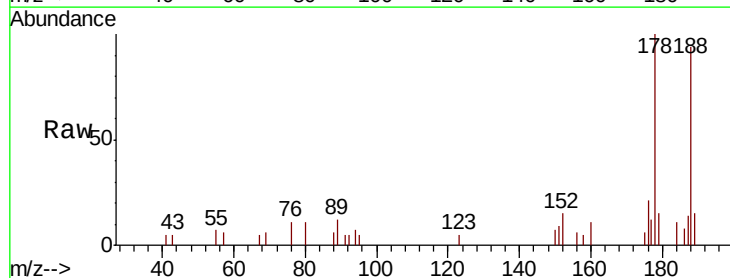
Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

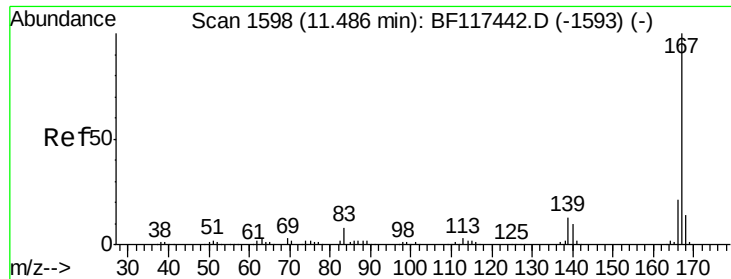
Tot Ion:178 Resp: 6378
Ion Ratio Lower Upper
178 100
176 21.1 14.6 22.0
179 14.8 12.6 19.0



#72
Anthracene
Concen: 0.582 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:178 Resp: 6378
Ion Ratio Lower Upper
178 100
176 21.1 14.7 22.1
179 14.8 12.2 18.2

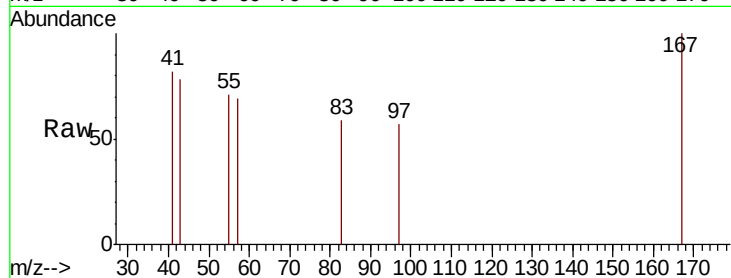




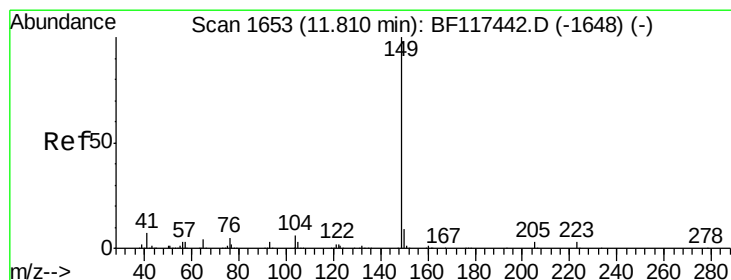
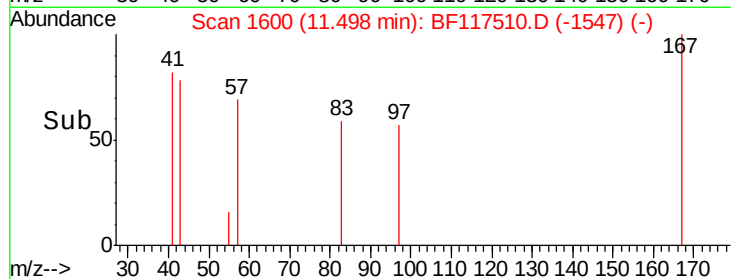
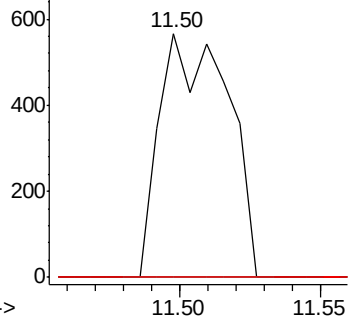
#73
 Carbazole
 Concen: 0.095 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

Tot Ion:167 Resp: 951
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.0 25.6#
 139 0.0 10.6 16.0#

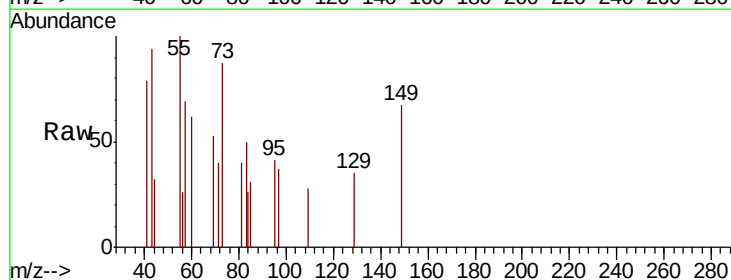


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

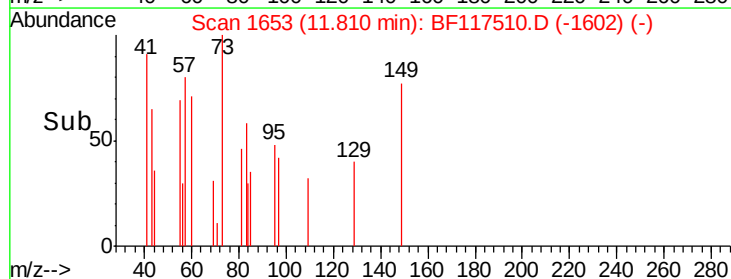
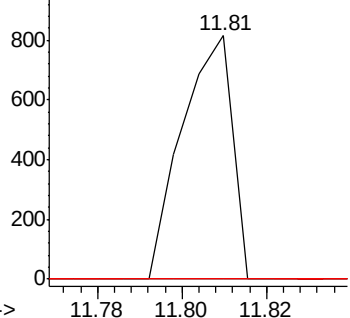


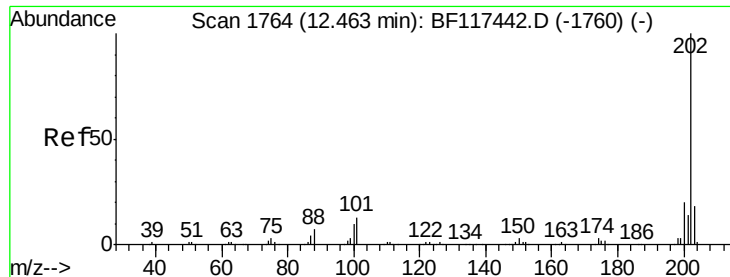
#74
 Di-n-butylphthalate
 Concen: 0.051 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion:149 Resp: 678
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.5 11.3#
 104 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

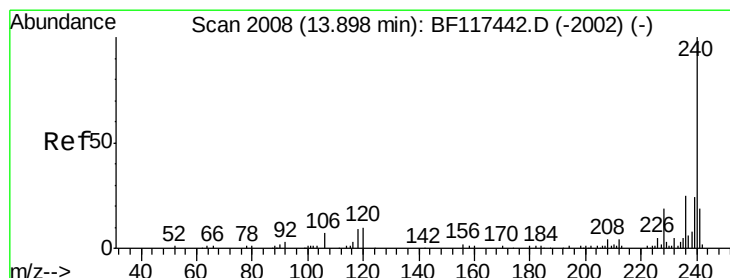
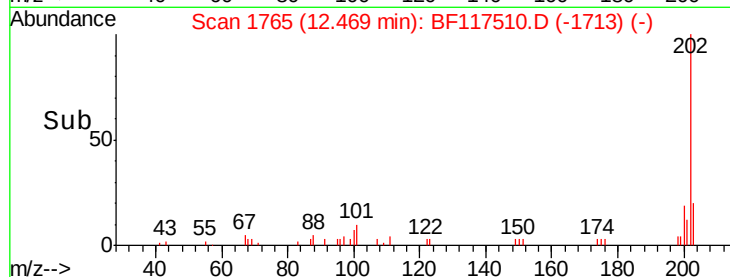
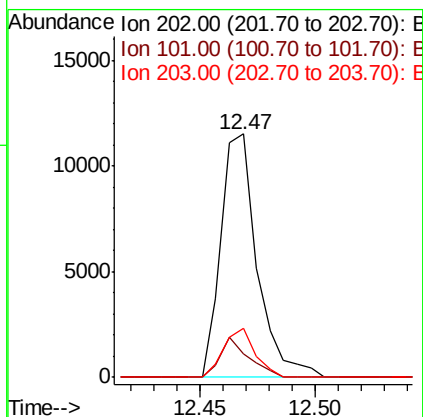
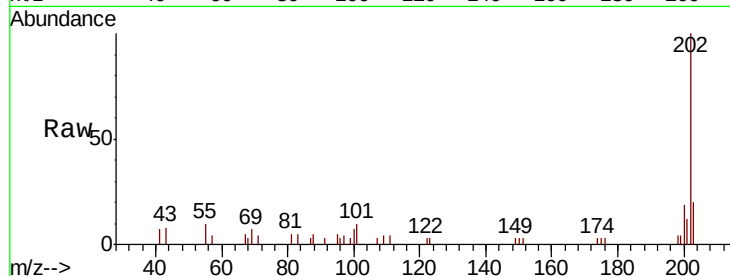




#75
 Fluoranthene
 Concen: 1.174 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

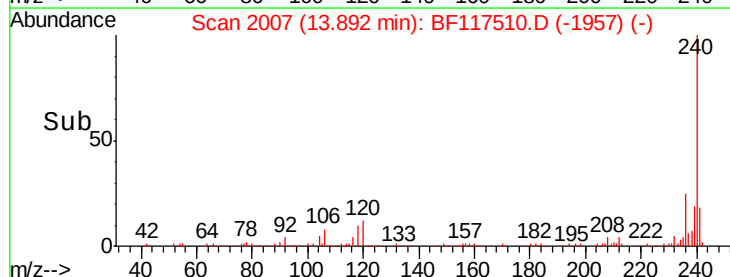
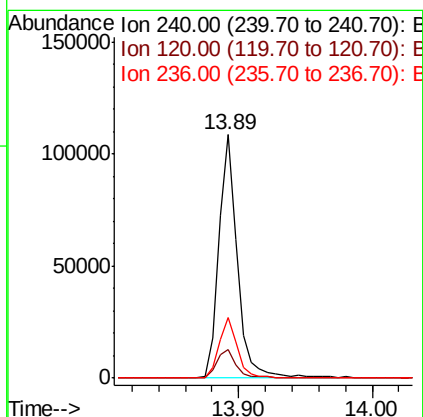
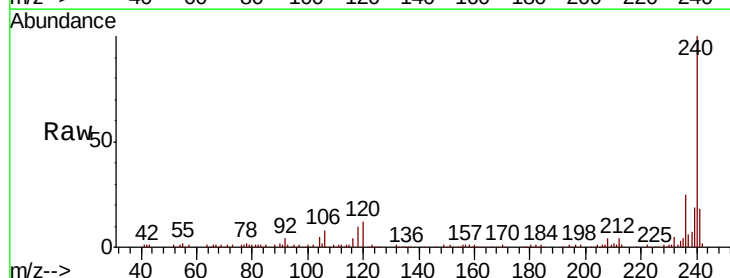
Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

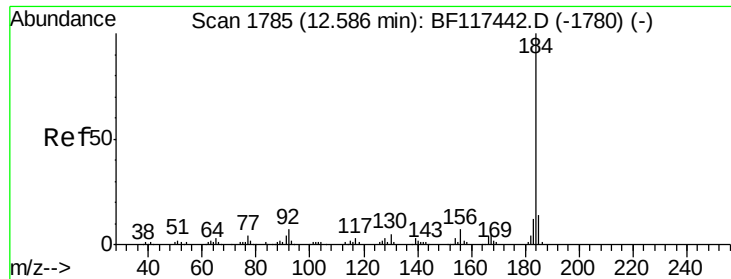
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.7
203	20.0	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.4	12.6
236	25.1	20.0	30.0





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1826

Delta R.T. 0.24 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

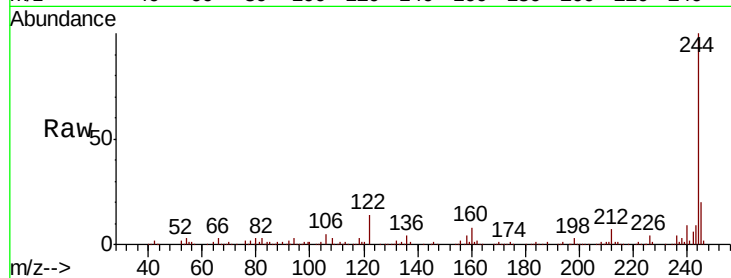
Tot Ion:184 Resp: 3068

Ion Ratio Lower Upper

184 100

185 12.8 11.4 17.0

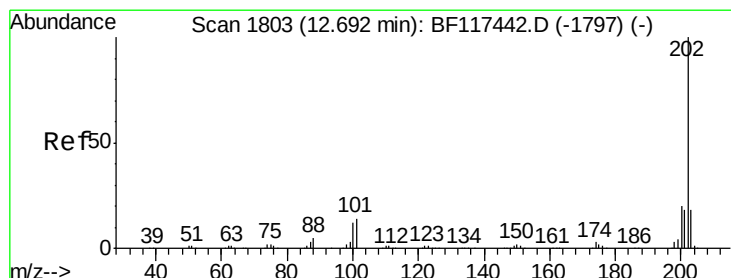
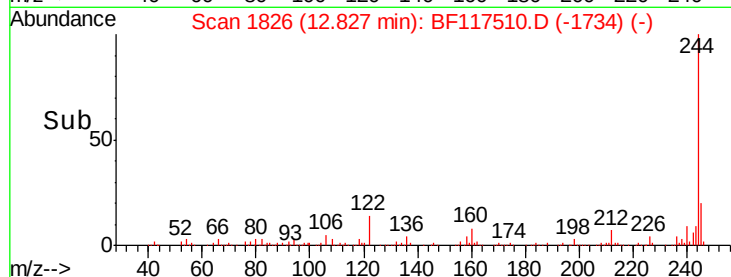
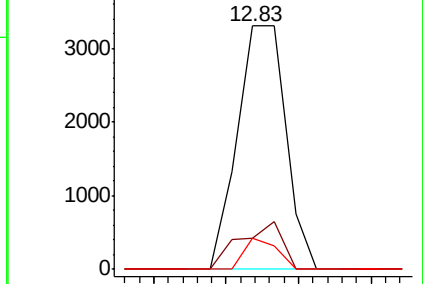
183 12.8 9.6 14.4



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



#78

Pyrene

Concen: 1.358 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

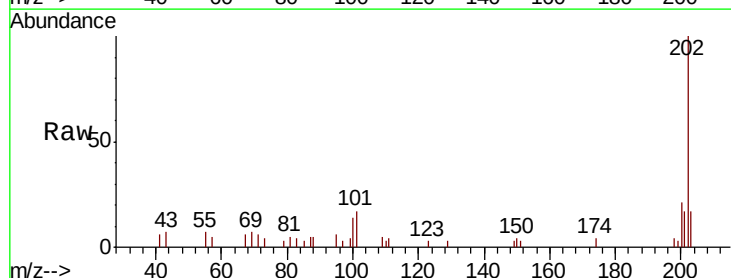
Tgt Ion:202 Resp: 12386

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

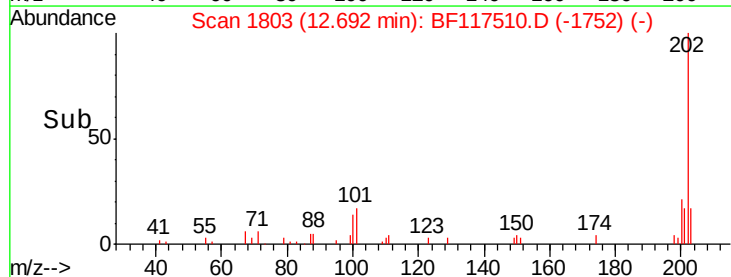
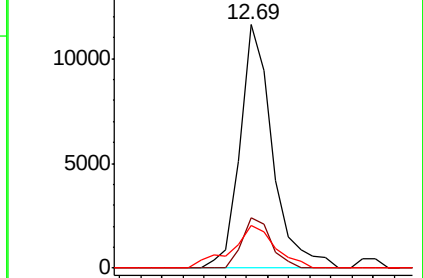
203 17.5 14.0 21.0

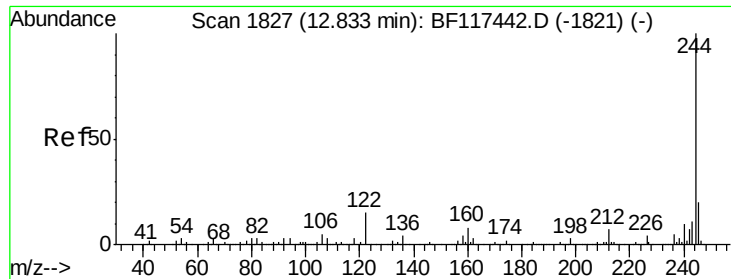


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

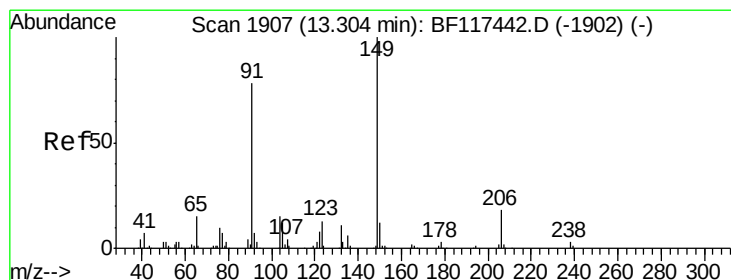
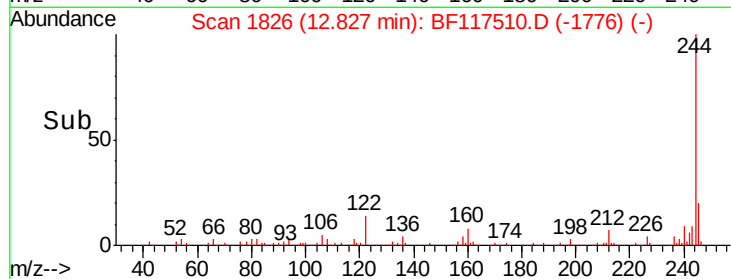
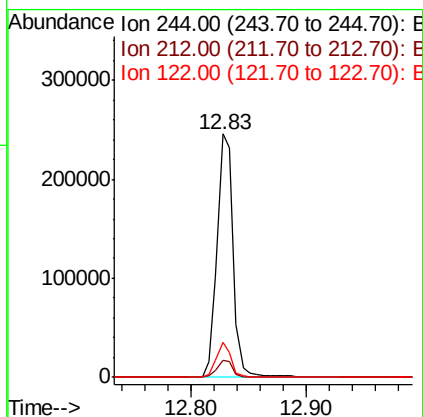
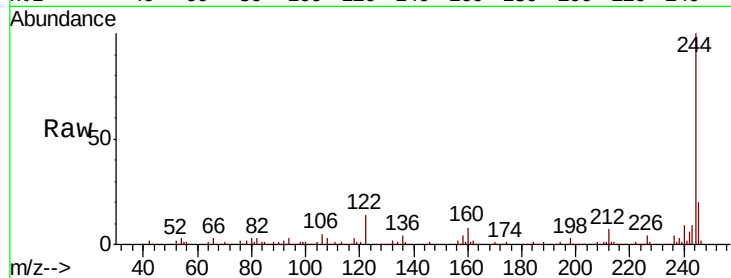




#79
 Terphenyl-d14
 Concen: 36.689 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

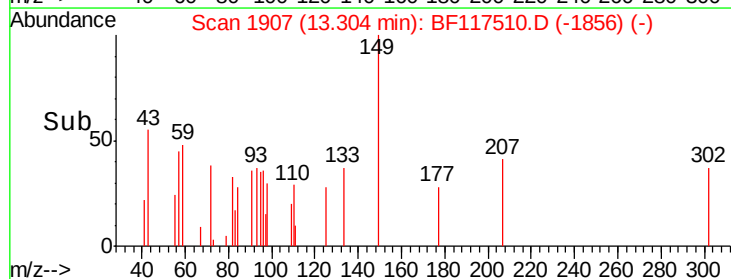
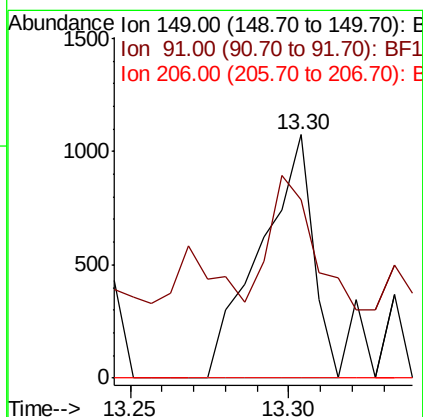
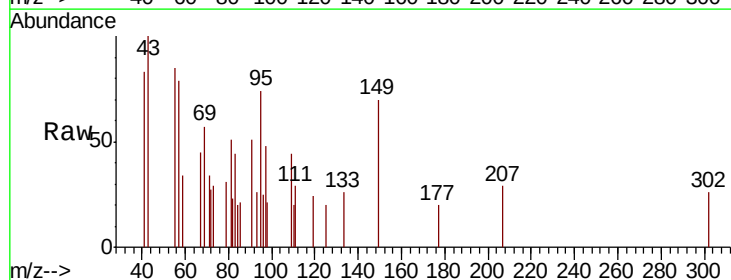
Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

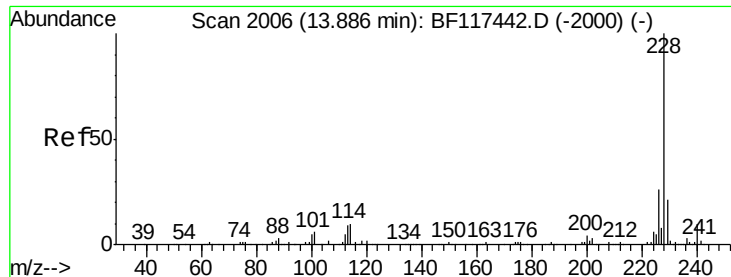
Tot Ion:244 Resp: 238821
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 14.3 11.8 17.8



#80
 Butylbenzylphthalate
 Concen: 0.273 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion:149 Resp: 1238
 Ion Ratio Lower Upper
 149 100
 91 73.2 62.1 93.1
 206 0.0 14.3 21.5#

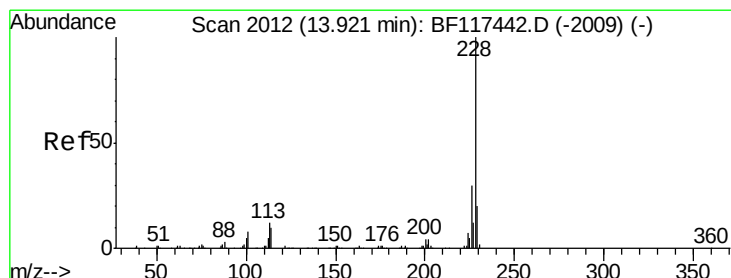
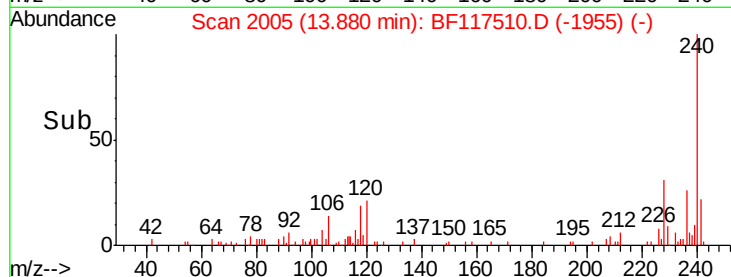
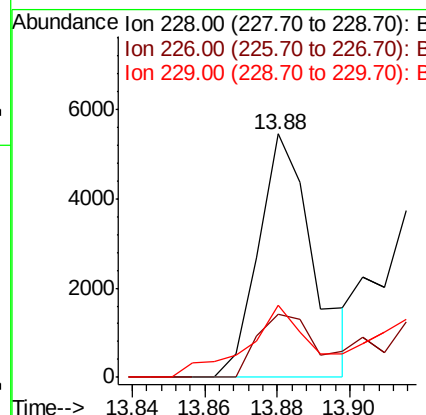
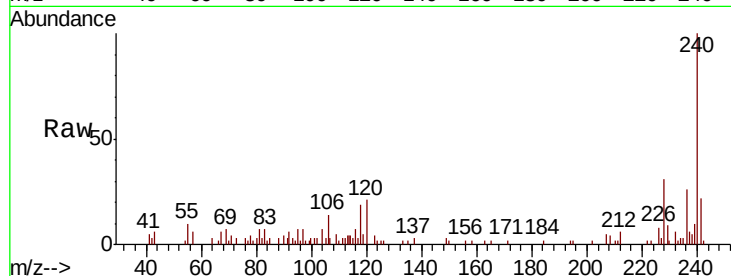




#81
Benzo(a)anthracene
Concen: 0.794 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

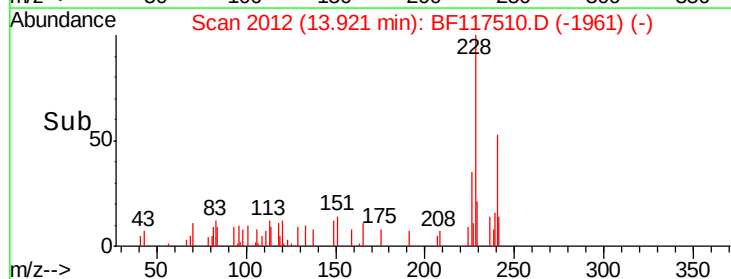
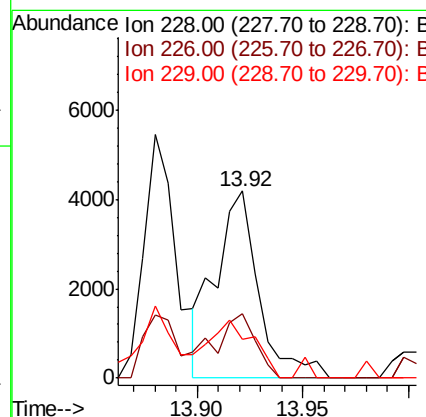
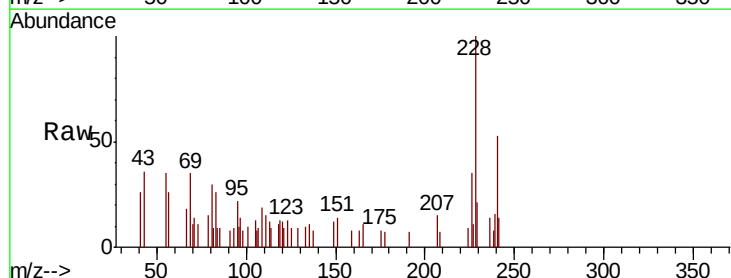
Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

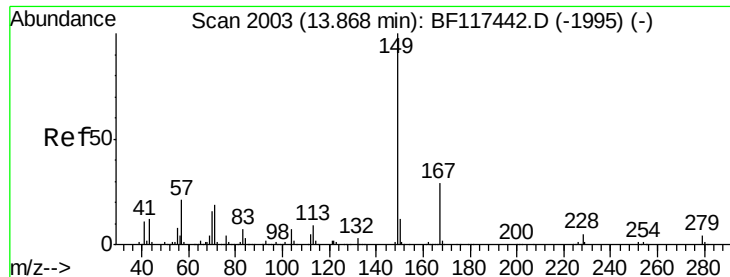
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.4
229	29.4	16.4	24.6



#83
Chrysene
Concen: 0.850 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	23.9	35.9
229	20.6	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.142 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

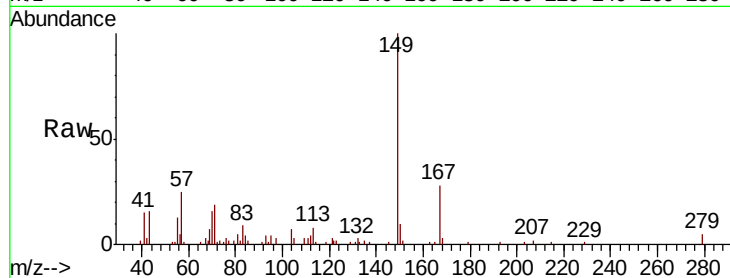
Tot Ion:149 Resp: 26331

Ion Ratio Lower Upper

149 100

167 27.5 23.3 34.9

279 4.7 3.2 4.8

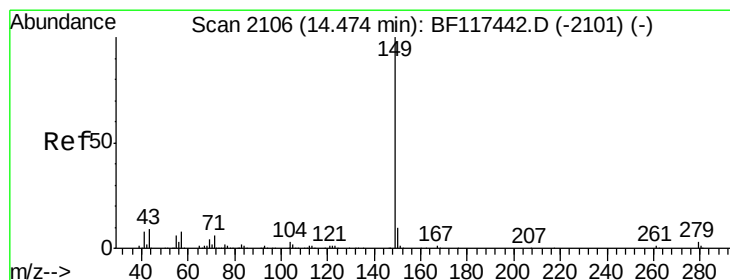
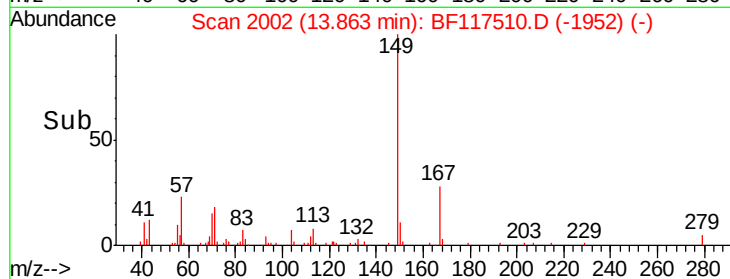
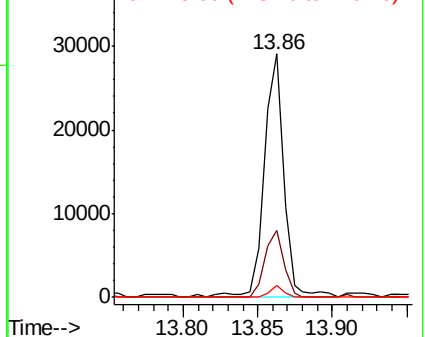


Abundance

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: 0.038 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

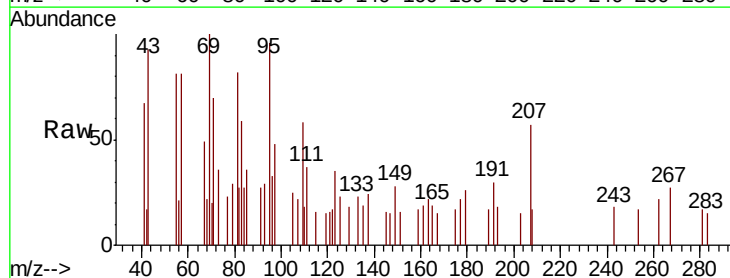
Tgt Ion:149 Resp: 367

Ion Ratio Lower Upper

149 100

167 29.7 1.2 1.8#

43 267.3 6.8 10.2#

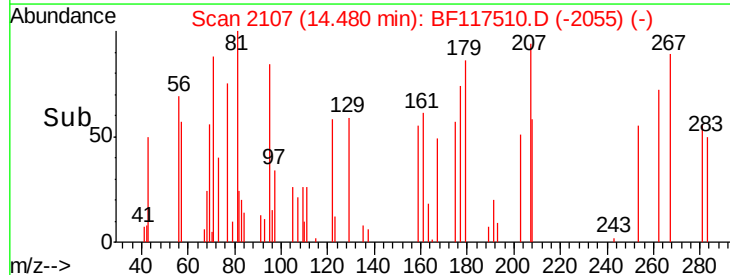
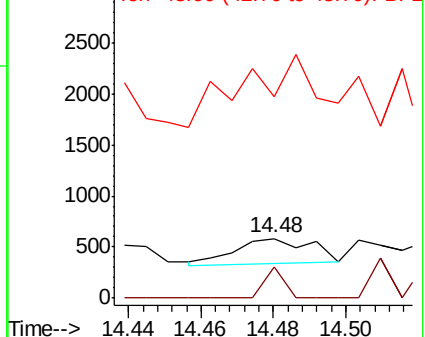


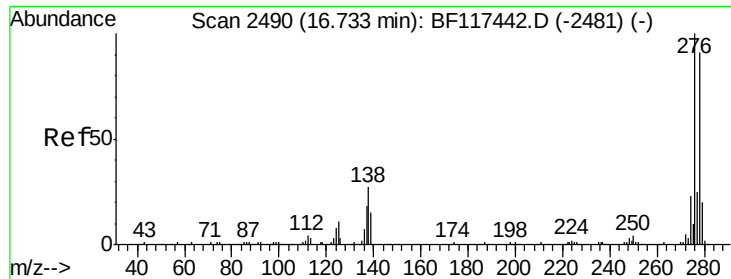
Abundance

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

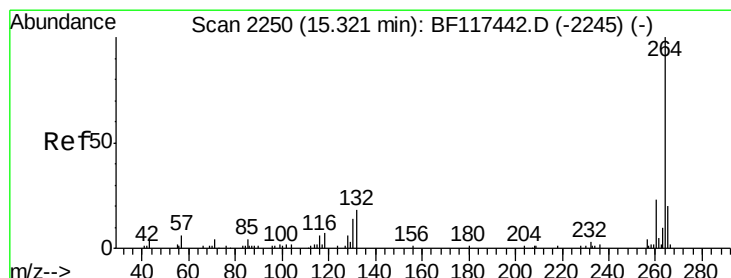
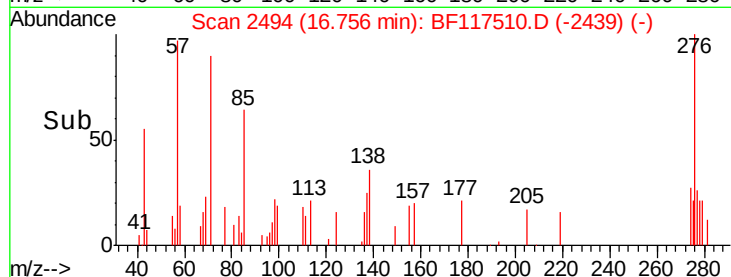
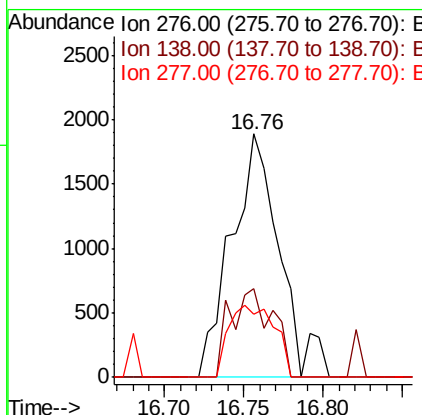
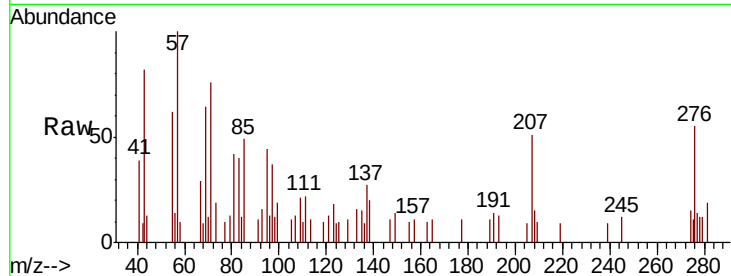




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.758 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. 0.02 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

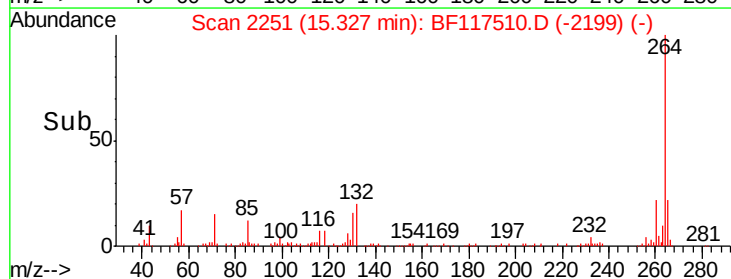
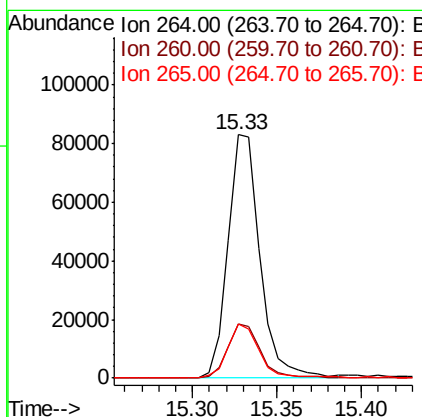
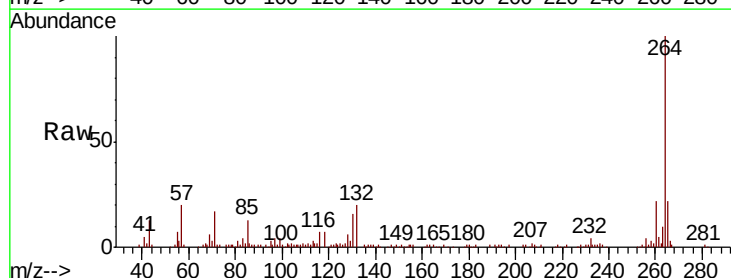
Instrument :
 BNA_F
 ClientSampleId :
 196-58-(0-1)

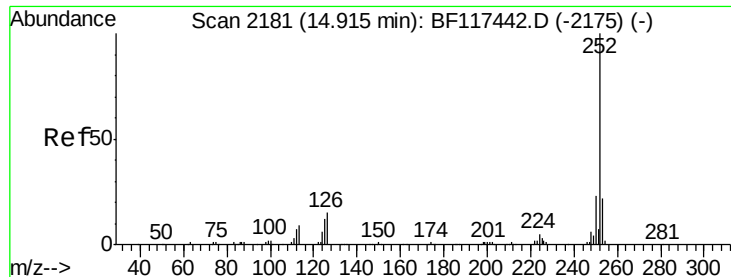
Tot Ion:276 Resp: 3971
 Ion Ratio Lower Upper
 276 100
 138 32.1 21.8 32.8
 277 28.1 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117510.D
 Acq: 24 Oct 2019 15:19

Tgt Ion:264 Resp: 109278
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.4 27.6
 265 22.4 16.1 24.1

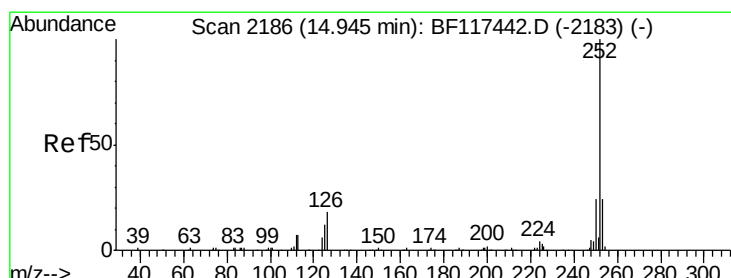
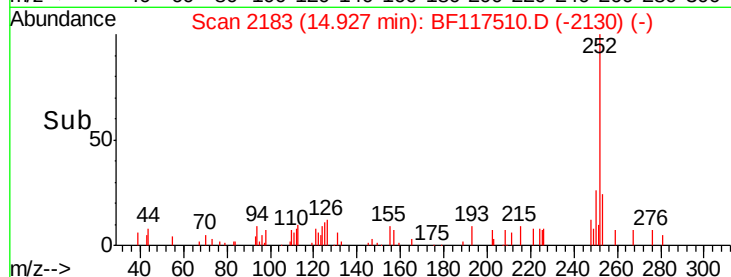
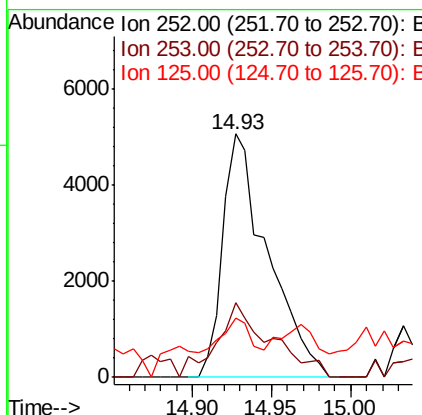
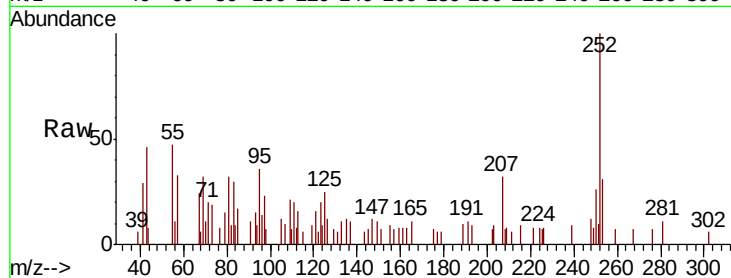




#88
Benzo(b)fluoranthene
Concen: 1.545 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

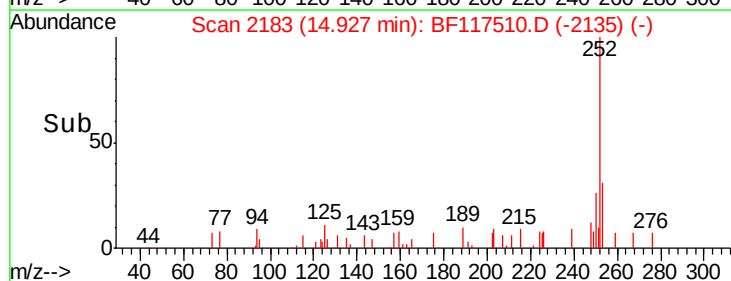
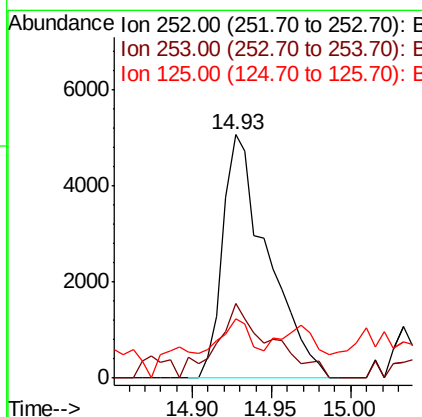
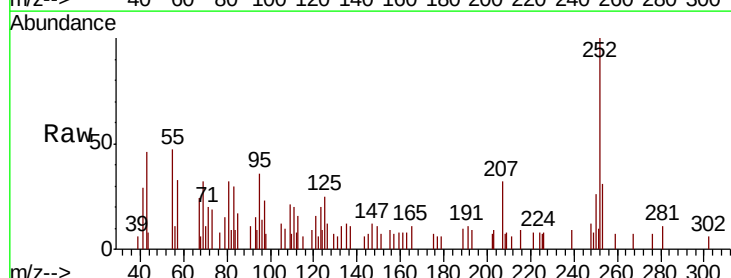
Instrument :
BNA_F
ClientSampleId :
196-58-(0-1)

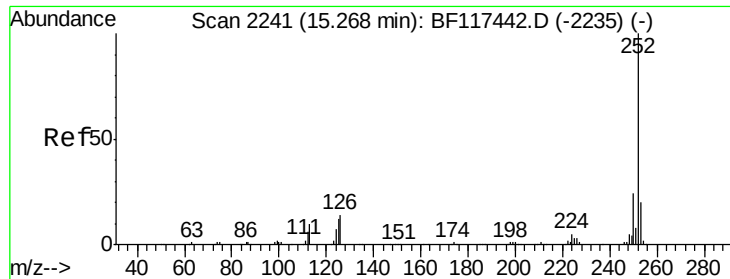
Tot Ion:252 Resp: 9967
Ion Ratio Lower Upper
252 100
253 30.9 17.8 26.6#
125 24.5 9.9 14.9#



#89
Benzo(k)fluoranthene
Concen: 1.507 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117510.D
Acq: 24 Oct 2019 15:19

Tgt Ion:252 Resp: 9967
Ion Ratio Lower Upper
252 100
253 30.9 18.0 27.0#
125 24.5 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 0.863 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

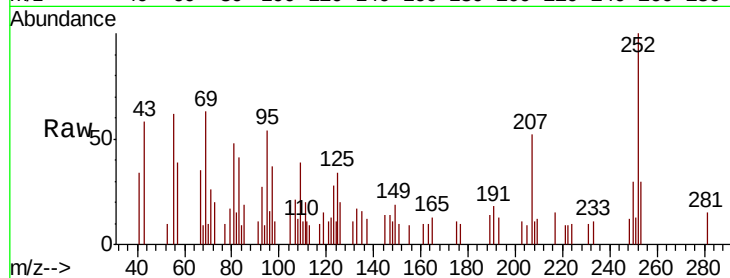
Tot Ion:252 Resp: 5061

Ion Ratio Lower Upper

252 100

253 29.8 16.3 24.5#

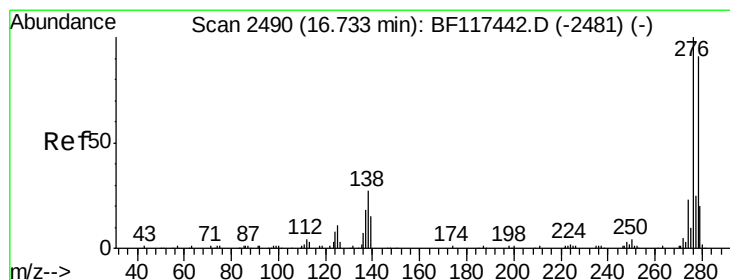
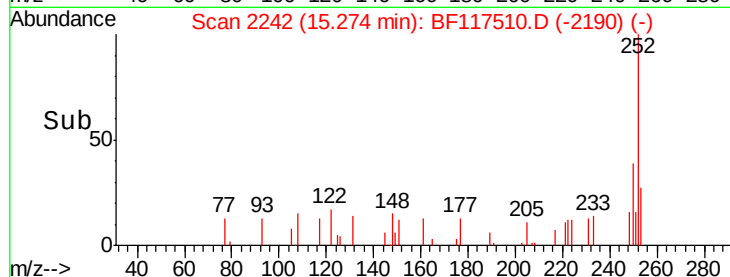
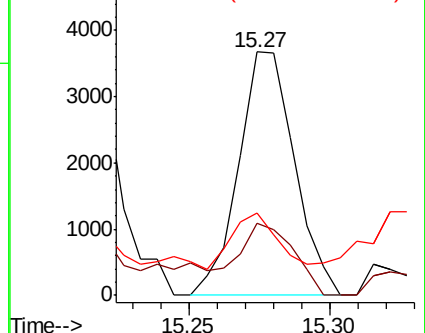
125 34.0 9.2 13.8#



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: 0.205 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

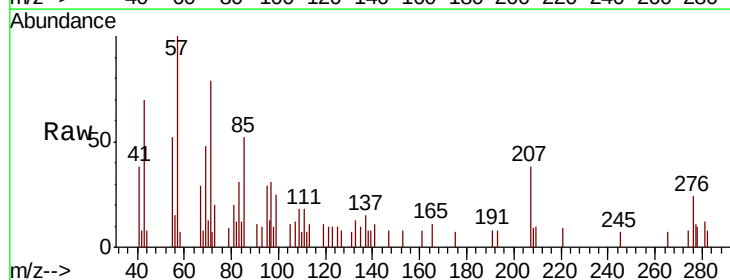
Tgt Ion:278 Resp: 1039

Ion Ratio Lower Upper

278 100

139 73.8 13.4 20.0#

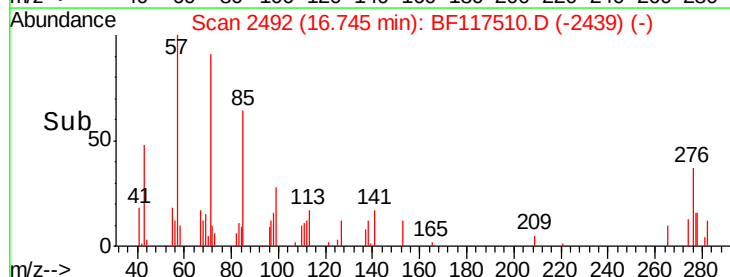
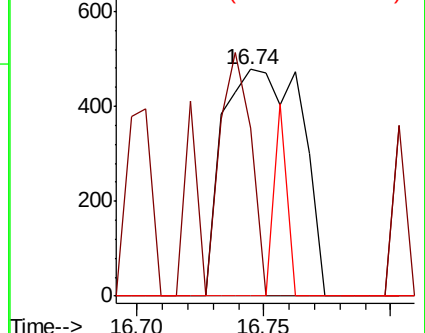
279 0.0 17.8 26.6#

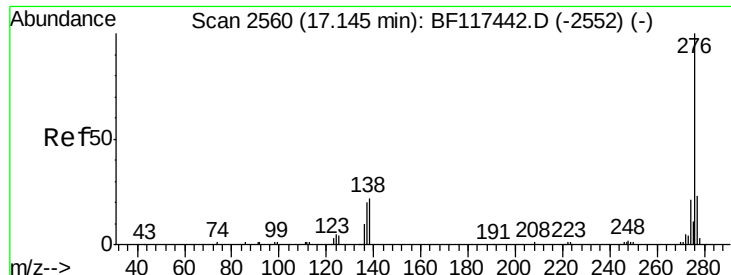


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.753 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117510.D

Acq: 24 Oct 2019 15:19

Instrument :

BNA_F

ClientSampleId :

196-58-(0-1)

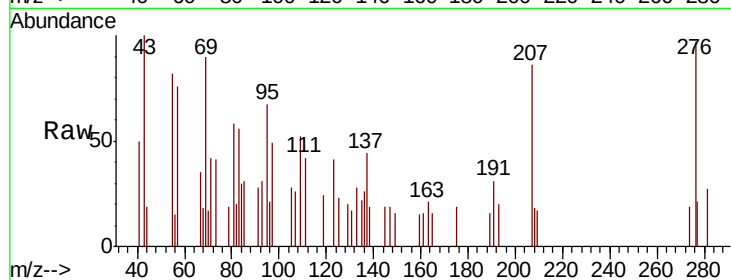
Tot Ion: 276 Resp: 3614

Ion Ratio Lower Upper

276 100

277 21.7 18.4 27.6

138 20.2 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

