

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117515.D
 Acq On : 24 Oct 2019 17:33
 Operator : JU
 Sample : K5499-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

Quant Time: Oct 25 01:04:53 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	47652	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	192418	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	97578	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	151830	20.00	ng	0.00
76) Chrysene-d12	13.89	240	91100	20.00	ng	0.00
87) Perylene-d12	15.33	264	100936	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	268106	83.70	ng	0.00
7) Phenol-d6	6.38	99	371725	86.41	ng	0.00
23) Nitrobenzene-d5	7.30	82	222299	57.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	56328	66.72	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	282375	40.77	ng	0.00
79) Terphenyl-d14	12.83	244	184019	32.95	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.50	93	327	0.065	ng	# 1
9) Benzaldehyde	6.39	77	423	Below Cal		# 3
10) Phenol	6.39	94	9189	2.093	ng	# 85
11) bis(2-Chloroethyl)ether	6.50	93	327	0.101	ng	# 1
15) Benzyl Alcohol	6.89	79	2807	0.913	ng	# 49
19) n-Nitroso-di-n-propylamine	7.30	70	28600	10.885	ng	# 78
24) Nitrobenzene	7.30	77	579	0.155	ng	# 41
25) Isophorone	7.30	82	222297	32.969	ng	# 65
31) Naphthalene	8.03	128	1223	0.128	ng	# 69
37) 2-Methylnaphthalene	8.73	142	140	0.022	ng	# 53
38) 1-Methylnaphthalene	8.83	142	428	0.071	ng	# 66
46) 1,1'-Biphenyl	9.19	154	570	0.071	ng	# 43
48) 2-Nitroaniline	9.48	65	519	0.260	ng	# 1
49) Acenaphthylene	9.63	152	1350	0.151	ng	# 82
50) Dimethylphthalate	9.48	163	54827	7.882	ng	# 99
51) 2,6-Dinitrotoluene	9.48	165	544	0.375	ng	# 1
52) Acenaphthene	9.80	154	741	0.135	ng	# 94
55) Dibenzofuran	9.97	168	653	0.082	ng	# 43
57) 2,4-Dinitrotoluene	9.76	165	12539	6.497	ng	# 13
58) Fluorene	10.32	166	759	0.115	ng	# 71
63) Azobenzene	10.56	77	333	0.046	ng	# 1
66) n-Nitrosodiphenylamine	10.56	169	1751	0.315	ng	# 36
67) 4-Bromophenyl-phenylether	10.56	248	3736	2.284	ng	# 1
71) Phenanthrene	11.27	178	14109	1.600	ng	# 100
72) Anthracene	11.27	178	14109	1.560	ng	# 99
73) Carbazole	11.50	167	1378	0.167	ng	# 69
74) Di-n-butylphthalate	11.81	149	635	0.057	ng	# 78
75) Fluoranthene	12.46	202	23777	2.694	ng	# 99
77) Benzdine	12.83	184	2341	Below Cal		# 79
78) Pyrene	12.69	202	21574	2.757	ng	# 97
80) Butylbenzylphthalate	13.30	149	1211	0.311	ng	# 88
81) Benzo(a)anthracene	13.88	228	10674	1.737	ng	# 95
83) Chrysene	13.92	228	10395	1.726	ng	# 93
84) Bis(2-ethylhexyl)phthalate	13.86	149	10156	1.862	ng	# 98

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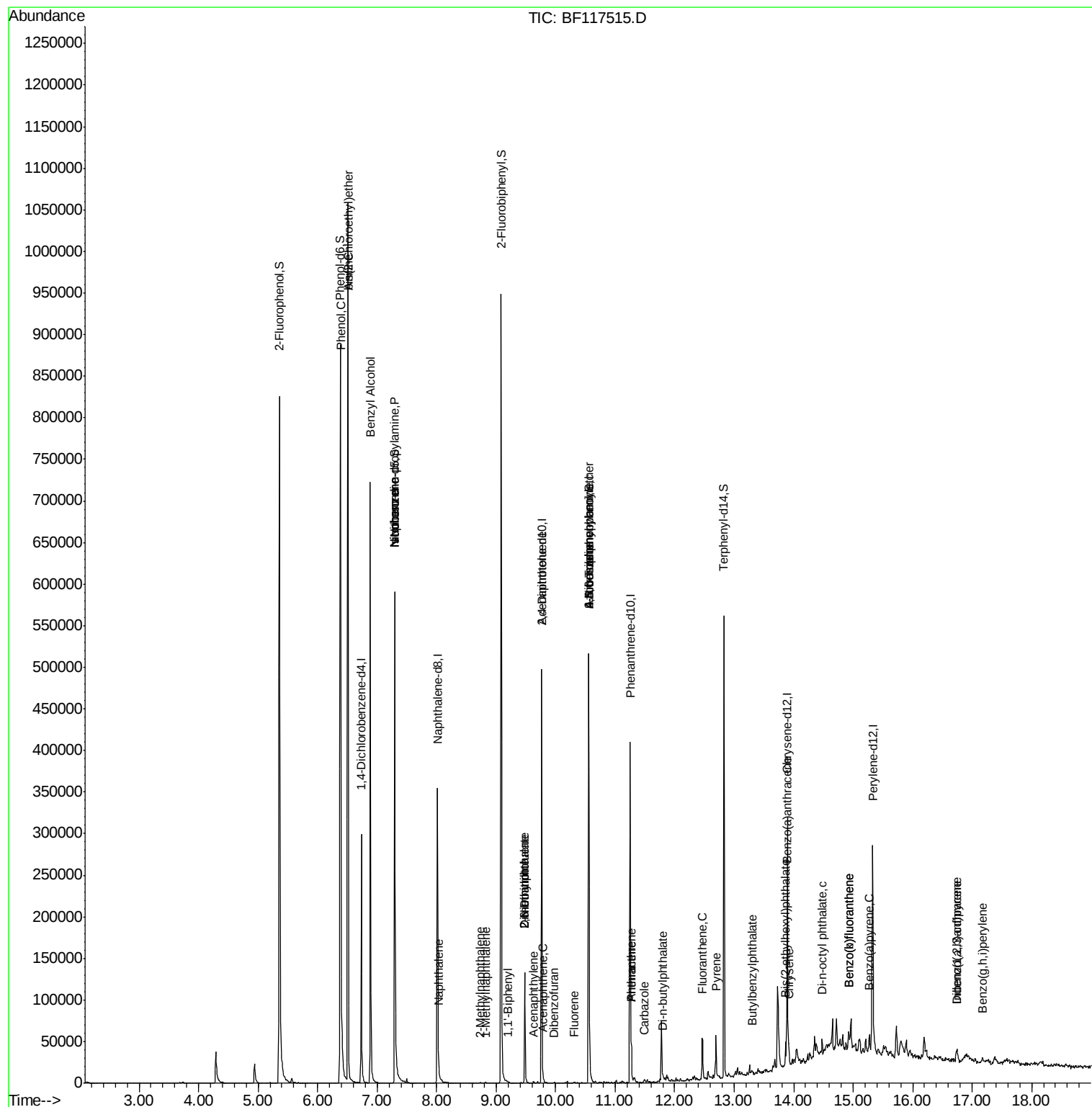
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	14.48	149	13292	1.585	nq	# 95
86) Indeno(1,2,3-cd)pyrene	16.75	276	4720	1.050	nq	98
88) Benzo(b)fluoranthene	14.93	252	17567	2.947	nq	# 96
89) Benzo(k)fluoranthene	14.93	252	17567	2.876	nq	# 94
90) Benzo(a)pyrene	15.27	252	9440	1.742	nq	# 93
91) Dibenzo(a,h)anthracene	16.75	278	1346	0.287	nq	# 50
92) Benzo(q,h,i)perylene	17.18	276	4062	0.916	nq	# 74

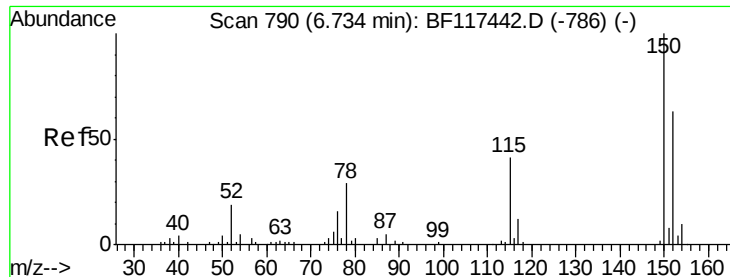
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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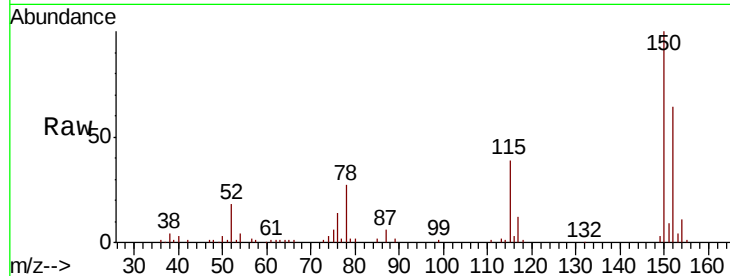


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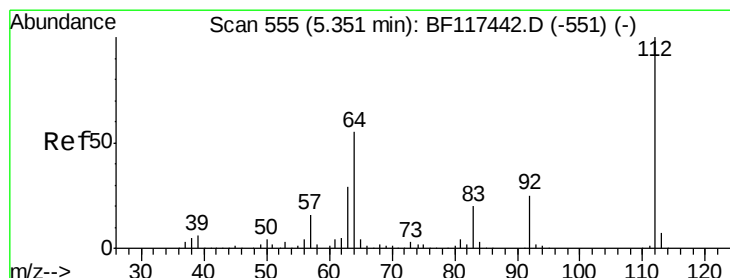
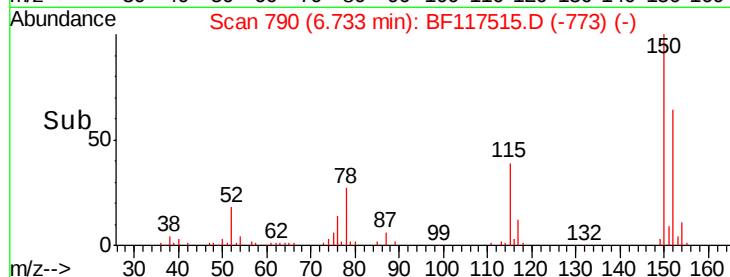
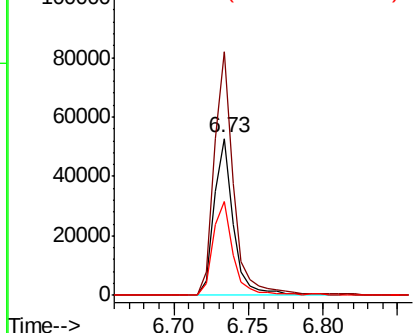
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

Tot Ion:152 Resp: 47652
Ion Ratio Lower Upper
152 100
150 155.2 126.8 190.2
115 60.1 51.6 77.4



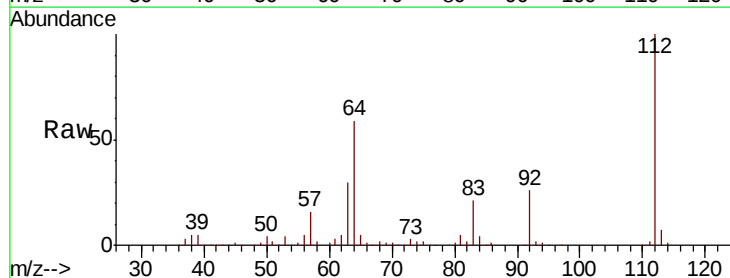
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



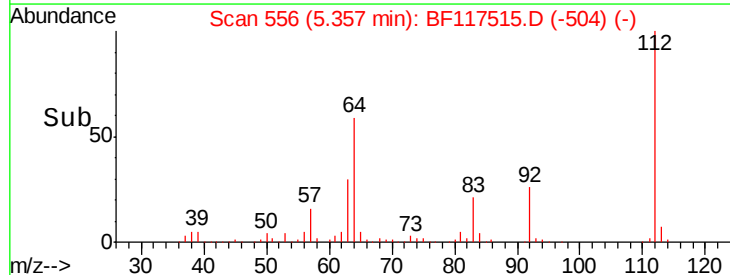
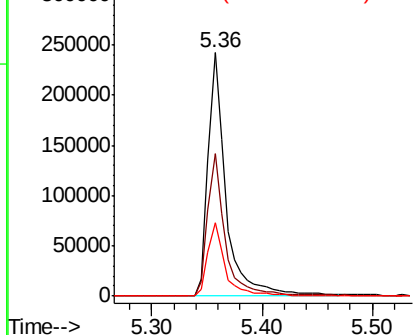
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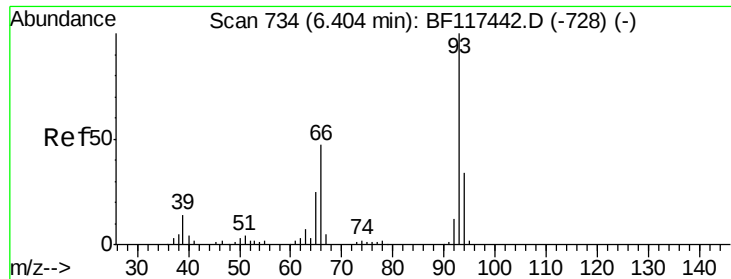
2-Fluorophenol
Concen: 83.703 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion:112 Resp: 268106
Ion Ratio Lower Upper
112 100
64 58.6 44.1 66.1
63 30.1 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: 0.065 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.10 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

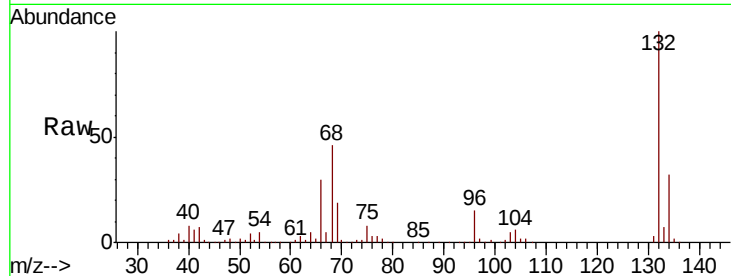
Tot Ion: 93 Resp: 327

Ion Ratio Lower Upper

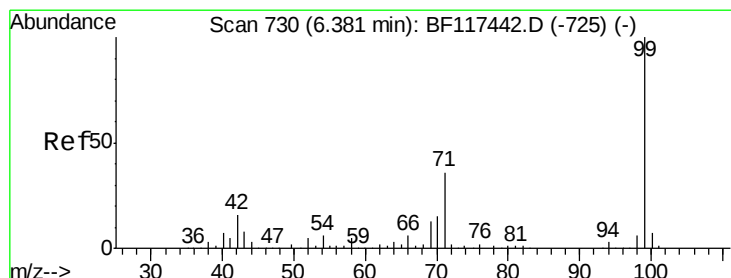
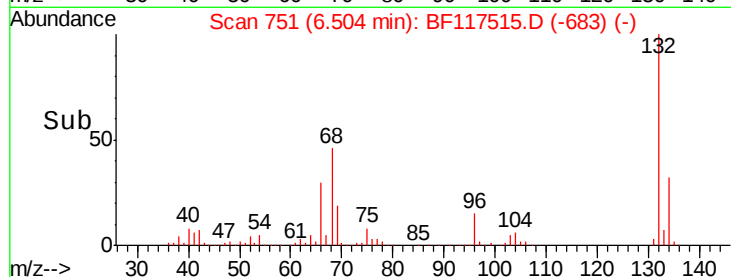
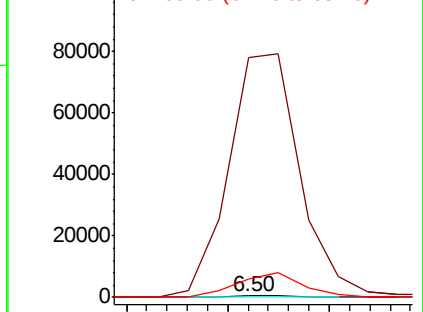
93 100

66 15815.4 38.7 58.1#

65 1244.7 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: 86.406 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

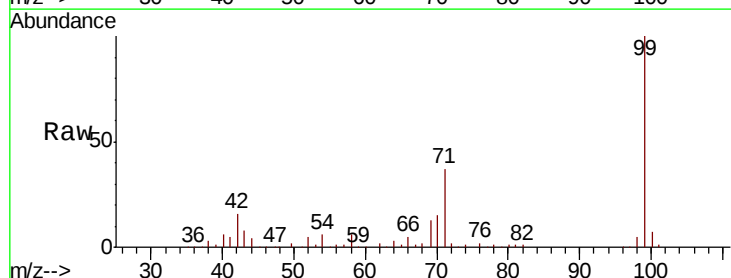
Tgt Ion: 99 Resp: 371725

Ion Ratio Lower Upper

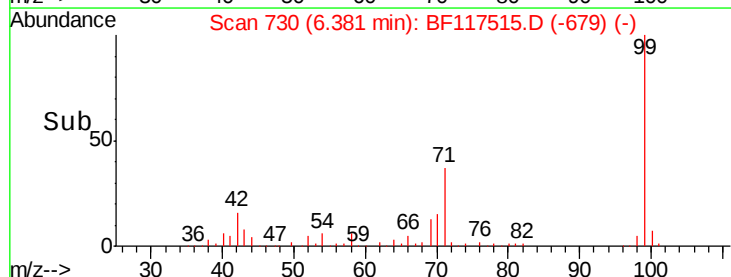
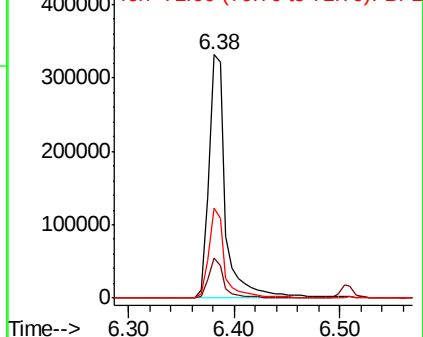
99 100

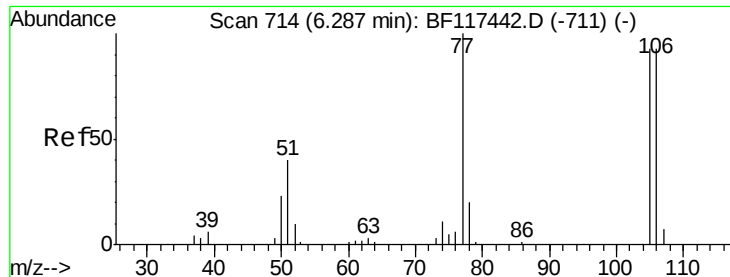
42 16.2 12.8 19.2

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

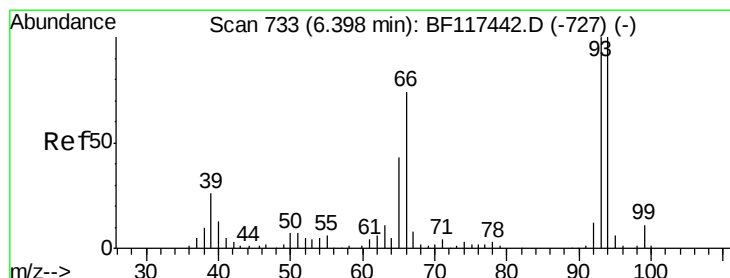
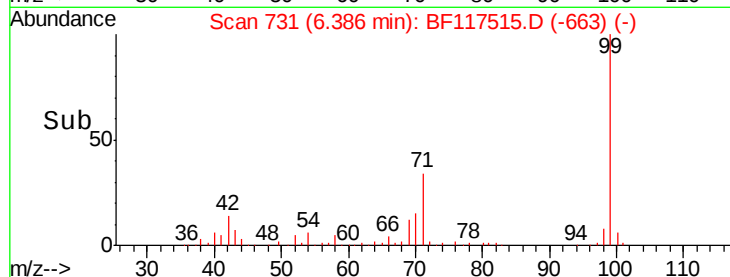
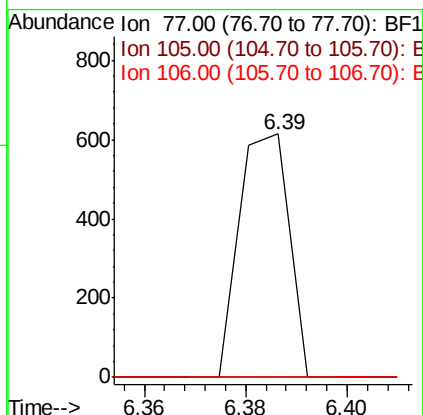
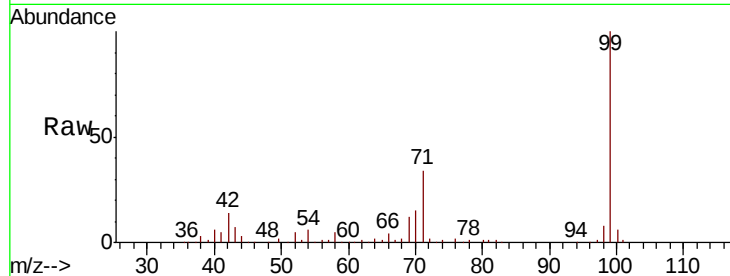




#9
Benzaldehyde
Concen: Below Cal
RT: 6.39 min Scan# 731
Delta R.T. 0.10 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

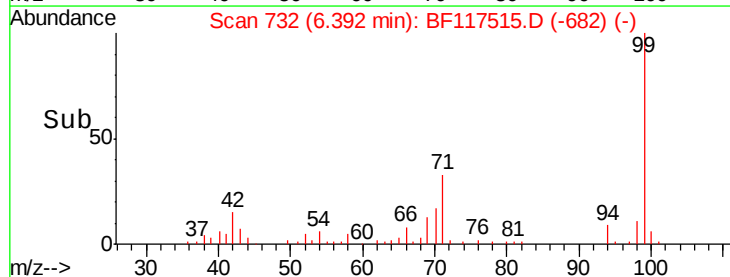
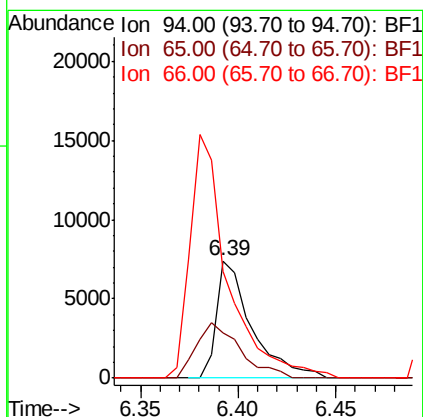
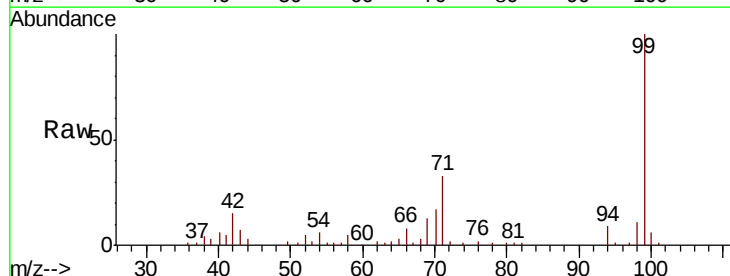
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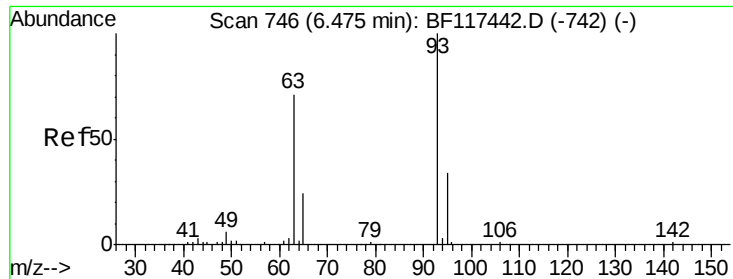
Tot Ion: 77 Resp: 423
Ion Ratio Lower Upper
77 100
105 0.0 73.4 113.4#
106 0.0 73.0 113.0#



#10
Phenol
Concen: 2.093 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion: 94 Resp: 9189
Ion Ratio Lower Upper
94 100
65 39.1 23.4 63.4
66 91.5 54.7 94.7

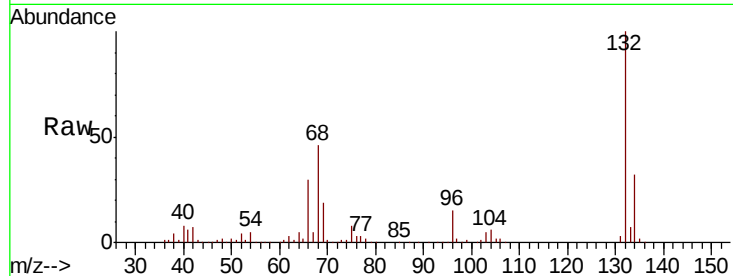




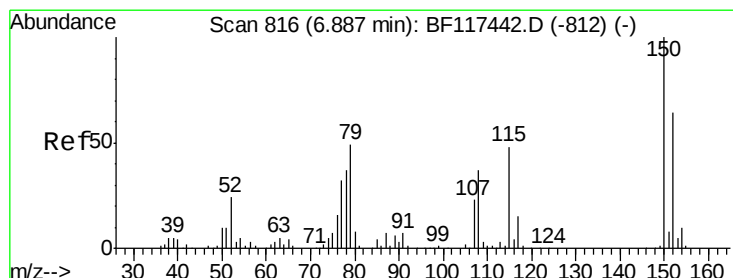
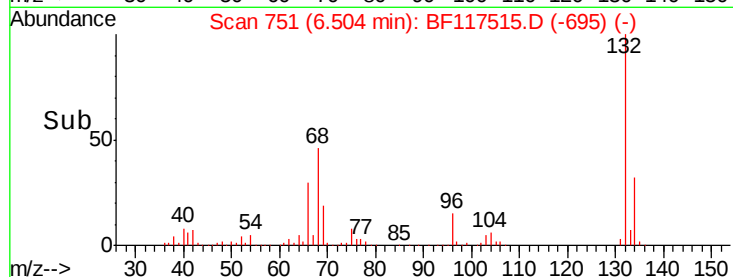
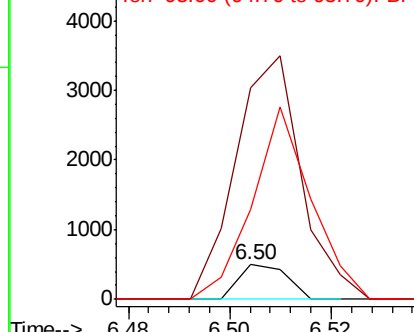
#11
bis(2-Chloroethyl)ether
Concen: 0.101 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.03 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

Tot Ion: 93 Resp: 327
Ion Ratio Lower Upper
93 100
63 616.4 50.2 90.2#
95 262.1 13.9 53.9#

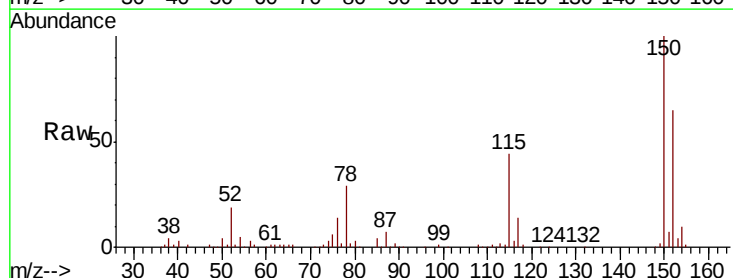


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

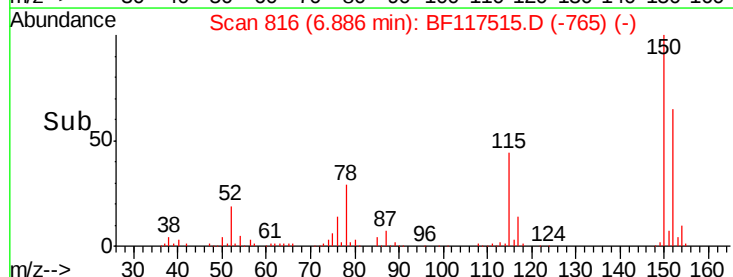
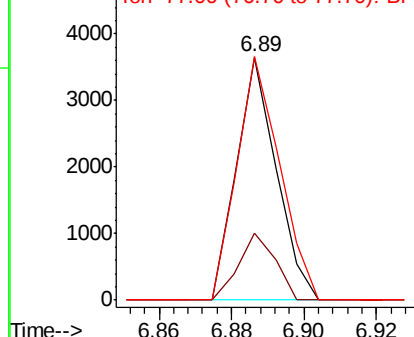


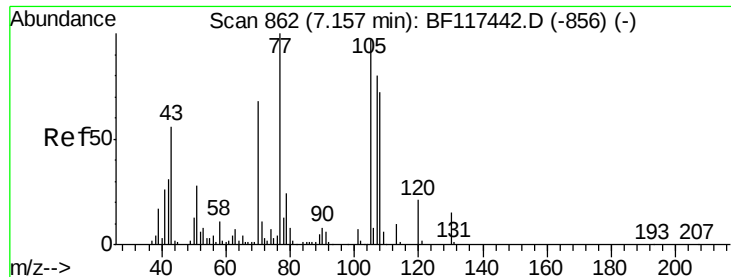
#15
Benzyl Alcohol
Concen: 0.913 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion: 79 Resp: 2807
Ion Ratio Lower Upper
79 100
108 27.8 59.8 89.8#
77 100.4 51.4 77.0#



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

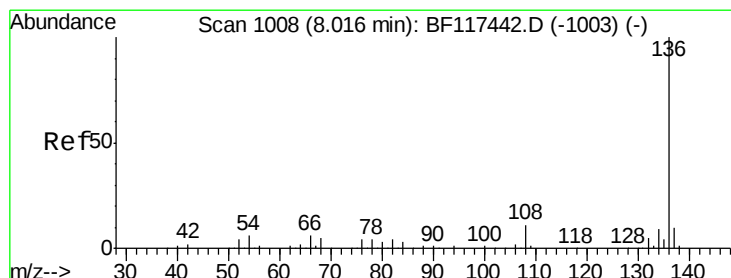
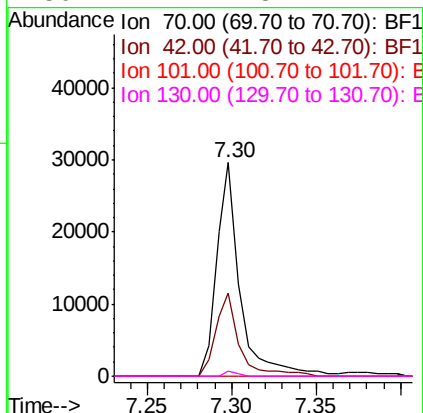
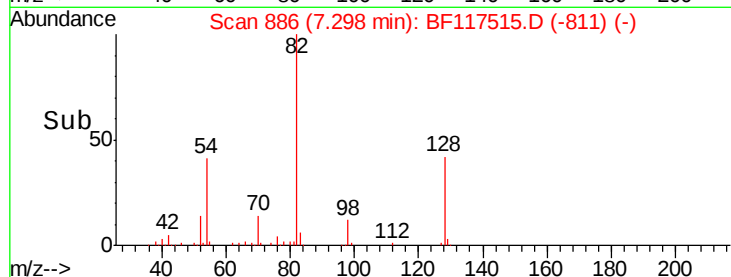
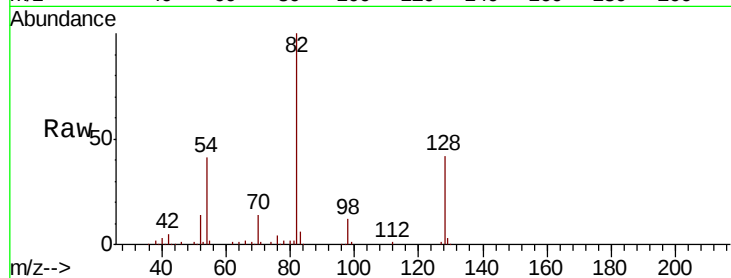




#19
n-Nitroso-di-n-propylamine
Concen: 10.885 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

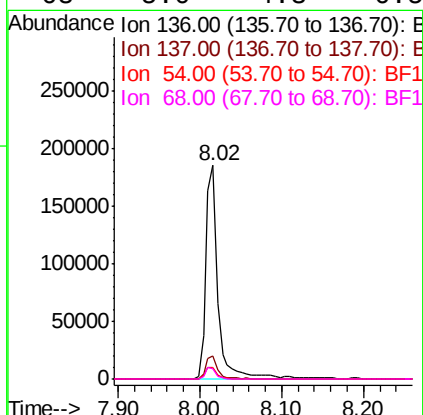
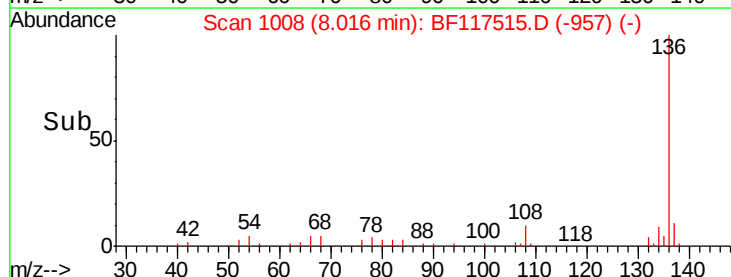
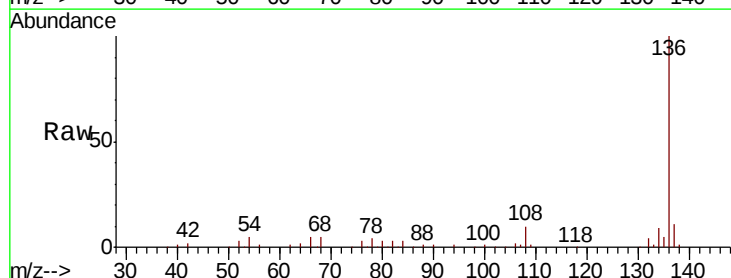
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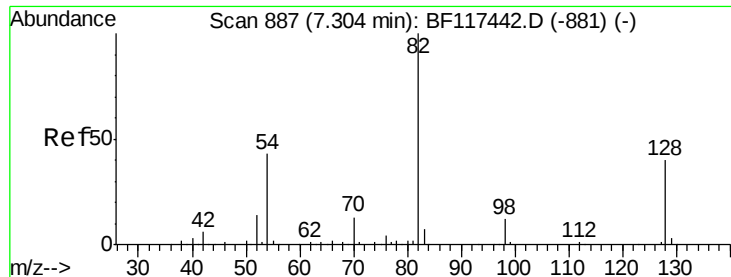
Tot Ion: 70 Resp: 28600
Ion Ratio Lower Upper
70 100
42 38.7 36.7 55.1
101 0.0 8.3 12.5#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion: 136 Resp: 192418
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 5.3 4.5 6.7
68 5.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 57.034 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

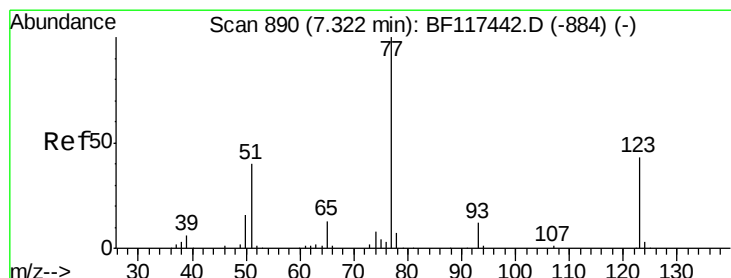
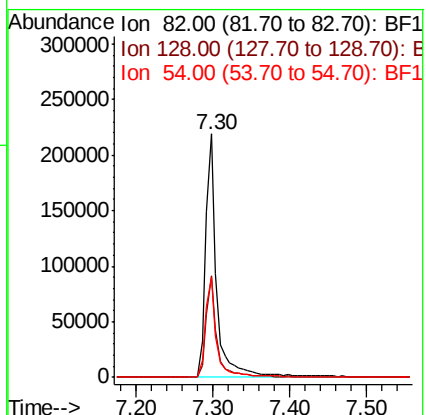
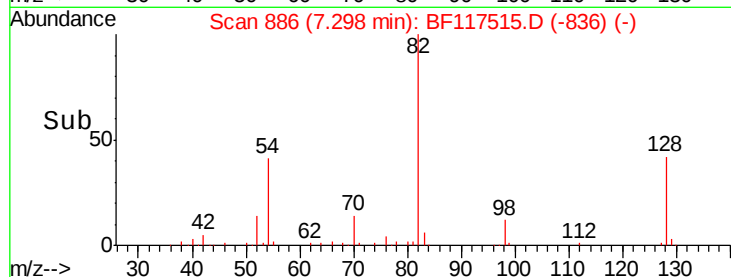
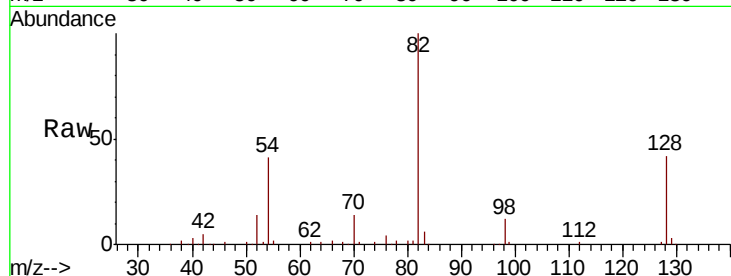
Tot Ion: 82 Resp: 222299

Ion Ratio Lower Upper

82 100

128 41.6 32.2 48.2

54 41.2 34.2 51.2



#24

Nitrobenzene

Concen: 0.155 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

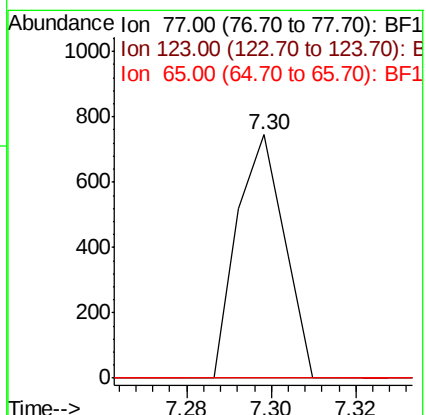
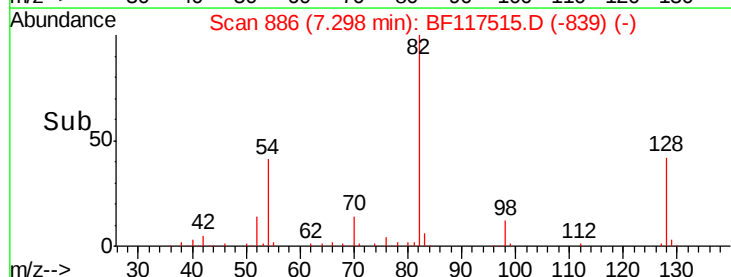
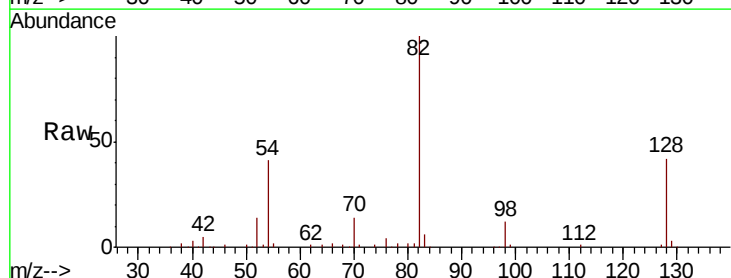
Tgt Ion: 77 Resp: 579

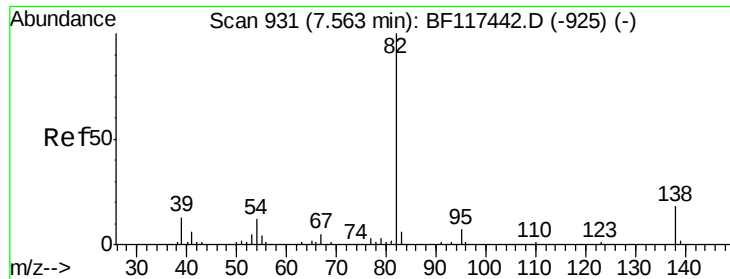
Ion Ratio Lower Upper

77 100

123 0.0 34.2 51.2#

65 0.0 10.3 15.5#





#25

Isophorone

Concen: 32.969 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

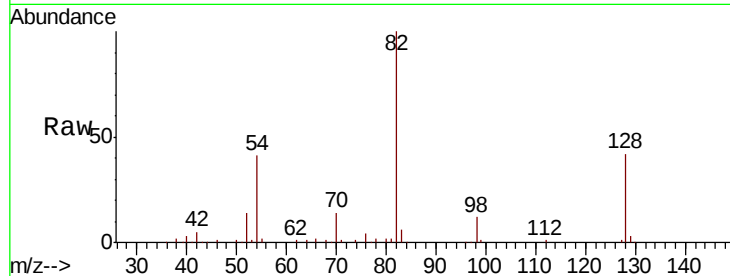
Tot Ion: 82 Resp: 222297

Ion Ratio Lower Upper

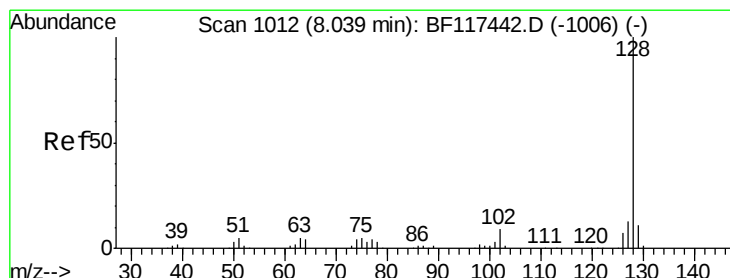
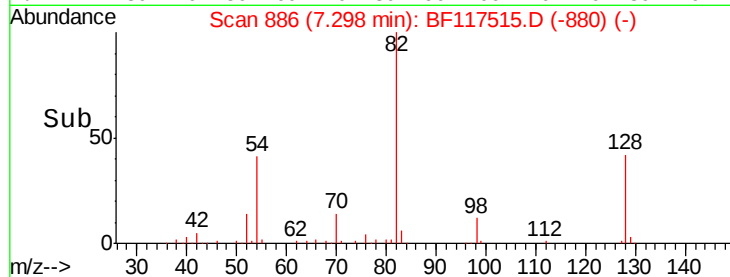
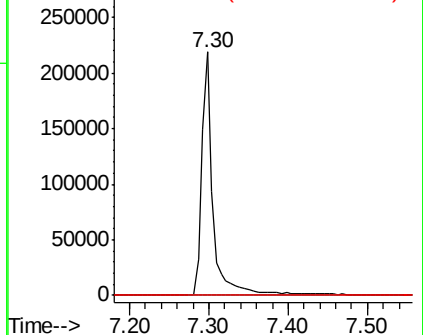
82 100

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: 0.128 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

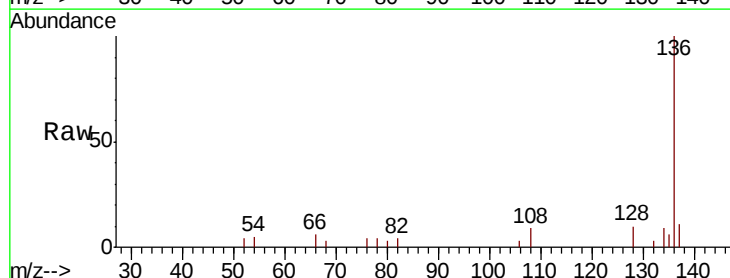
Tgt Ion: 128 Resp: 1223

Ion Ratio Lower Upper

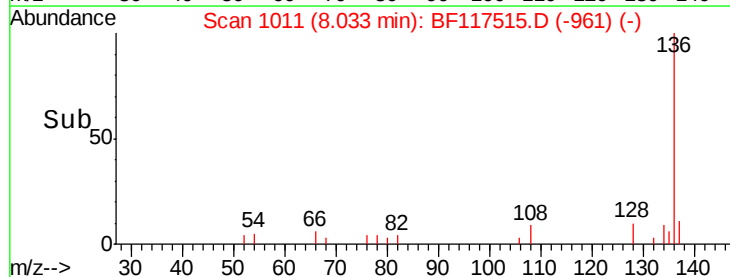
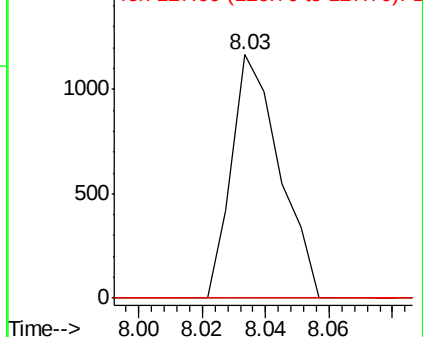
128 100

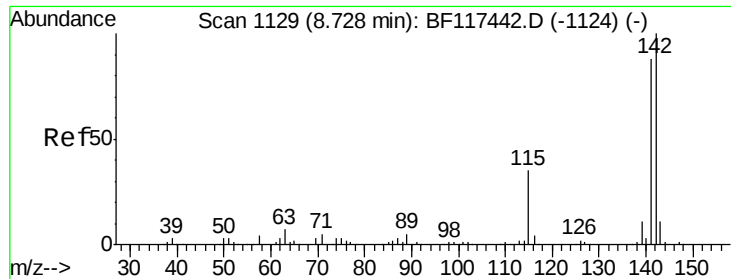
129 0.0 9.0 13.4#

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

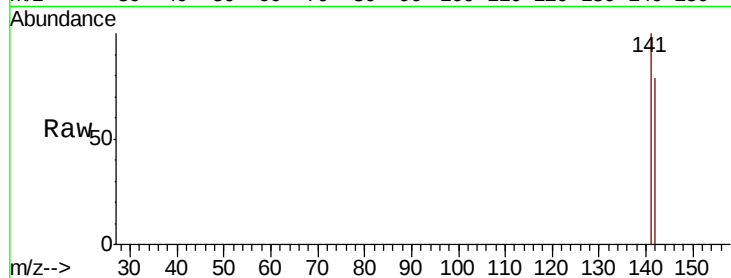




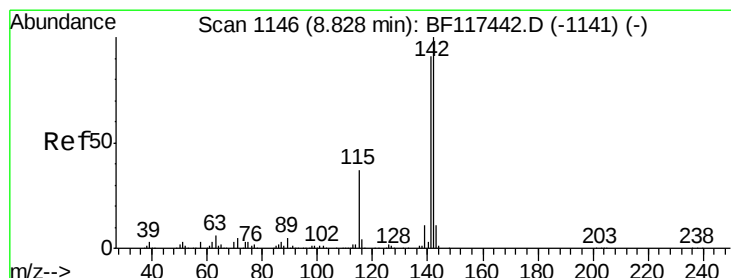
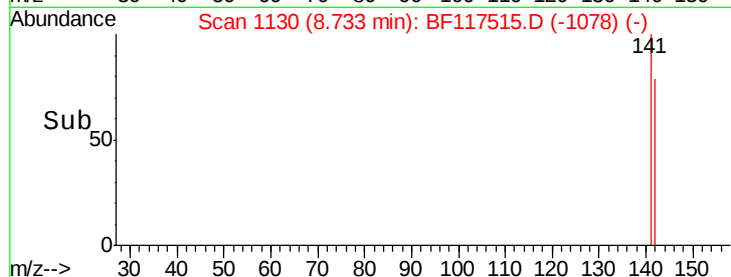
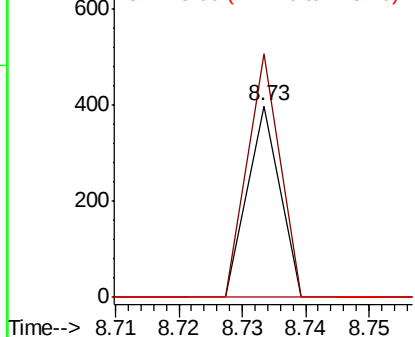
#37
2-Methylnaphthalene
Concen: 0.022 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

Tot Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
141 127.1 70.3 105.5#
115 0.0 28.2 42.2#

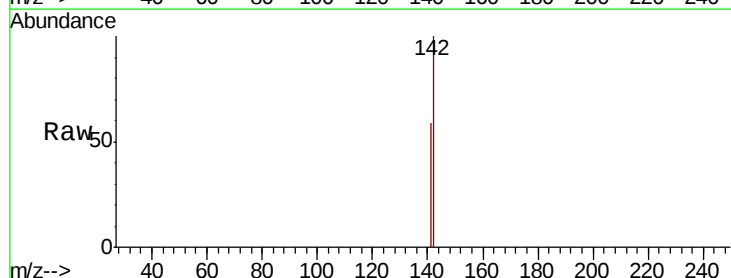


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

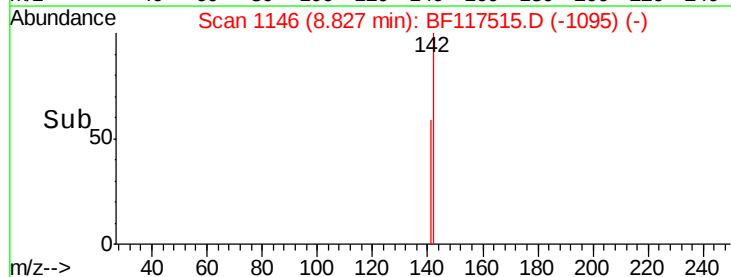
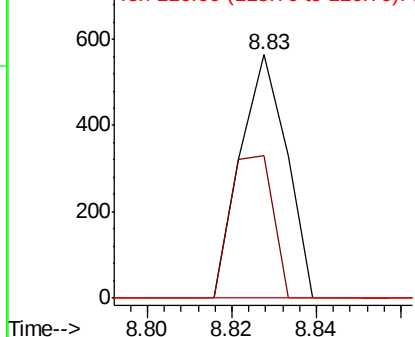


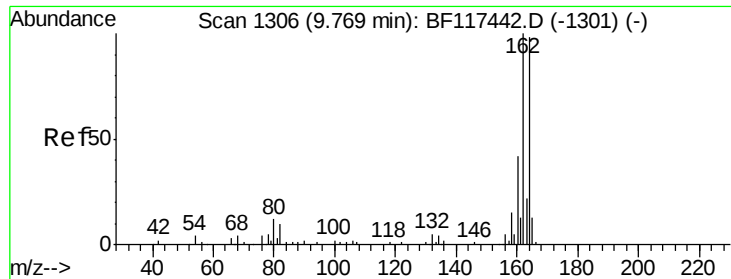
#38
1-Methylnaphthalene
Concen: 0.071 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion:142 Resp: 428
Ion Ratio Lower Upper
142 100
141 58.7 73.3 109.9#
116 0.0 3.1 4.7#



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

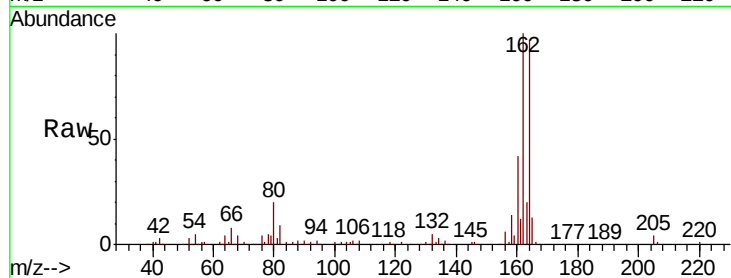




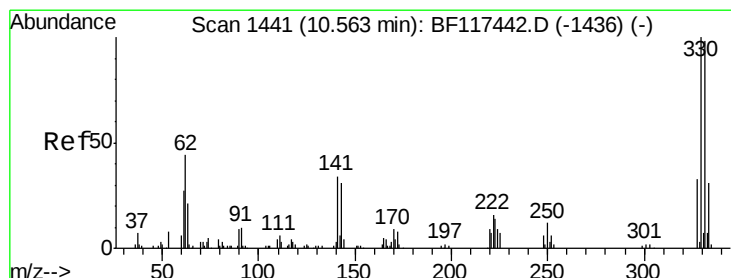
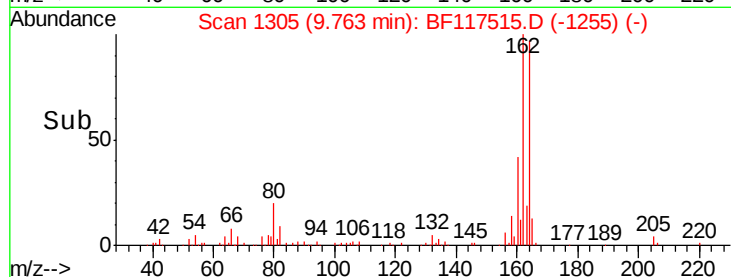
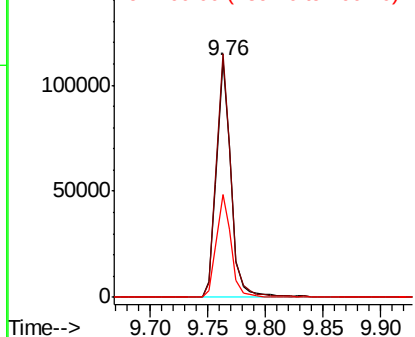
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

Tot Ion:164 Resp: 97578
 Ion Ratio Lower Upper
 164 100
 162 102.8 81.8 122.6
 160 43.3 34.4 51.6

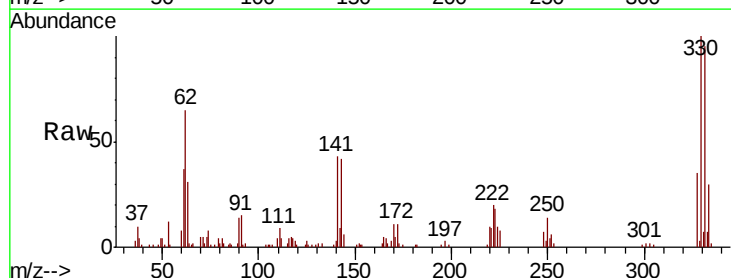


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

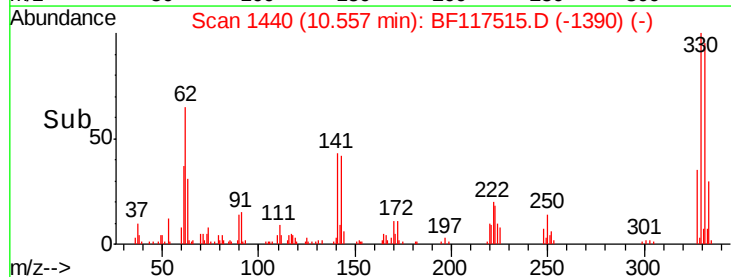
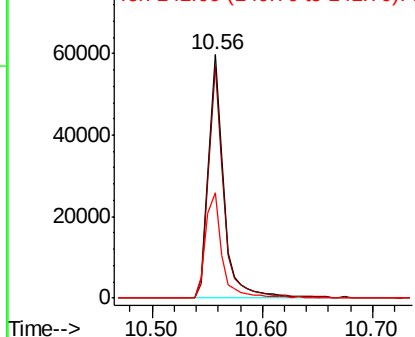


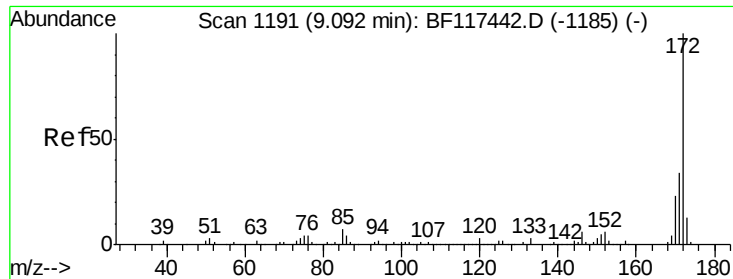
#42
 2,4,6-Tribromophenol
 Concen: 66.716 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion:330 Resp: 56328
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.5 117.7
 141 46.0 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

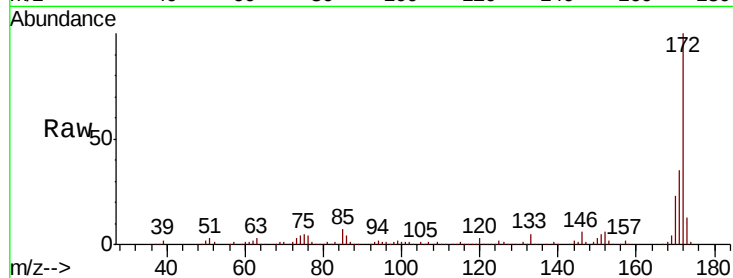




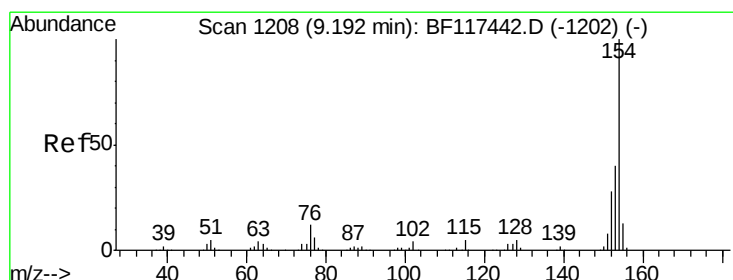
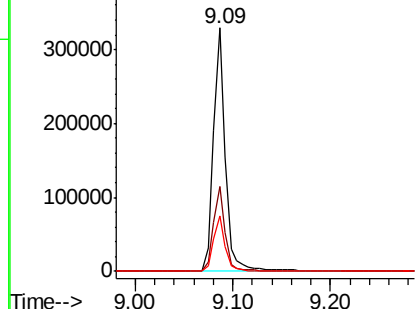
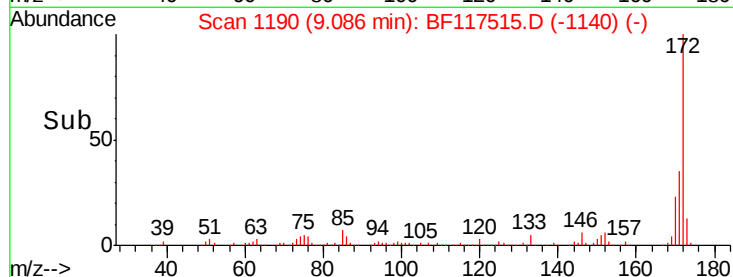
#45
2-Fluorobiphenyl
Concen: 40.774 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

Tot Ion:172 Resp: 282375
Ion Ratio Lower Upper
172 100
171 35.0 27.5 41.3
170 22.7 18.6 27.8

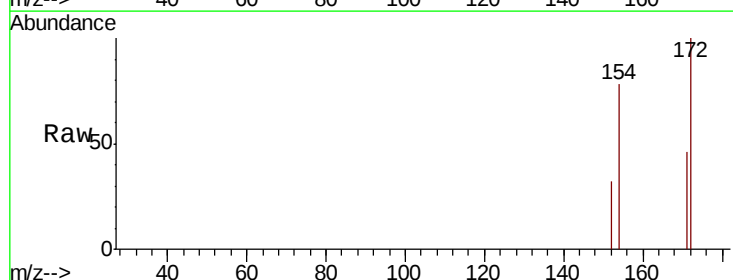


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

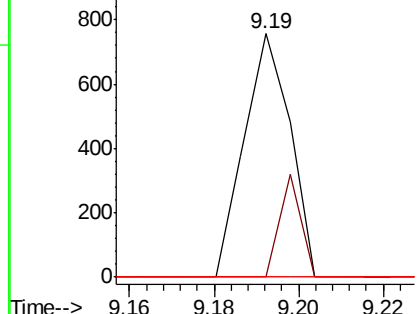
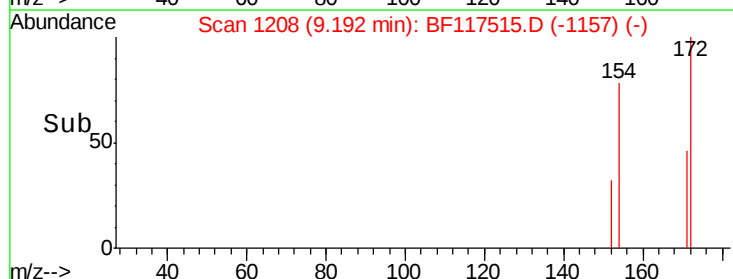


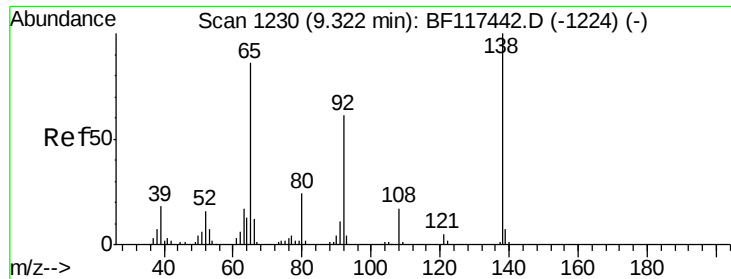
#46
1,1'-Biphenyl
Concen: 0.071 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion:154 Resp: 570
Ion Ratio Lower Upper
154 100
153 0.0 20.2 60.2#
76 0.0 0.0 32.1



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

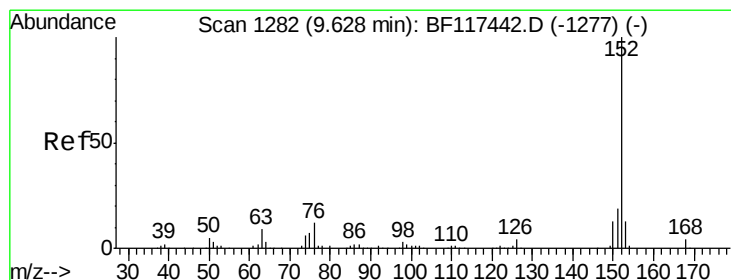
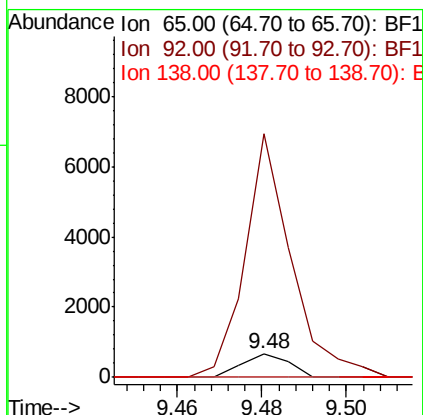
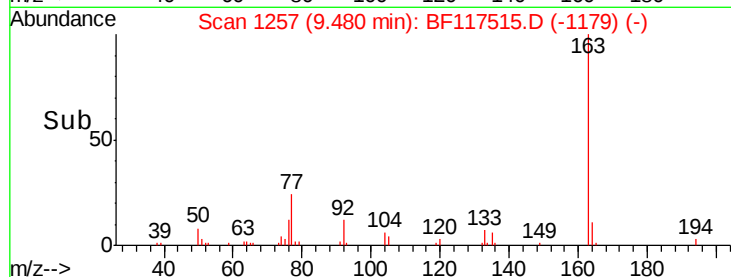
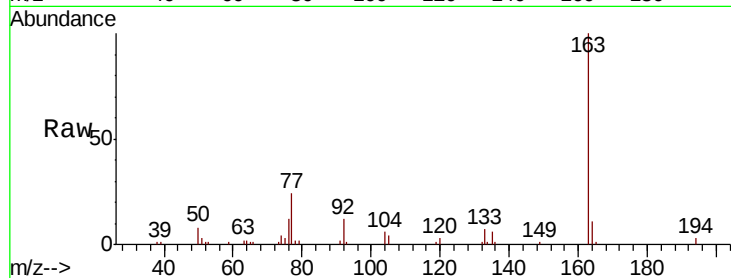




#48
2-Nitroaniline
Concen: 0.260 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

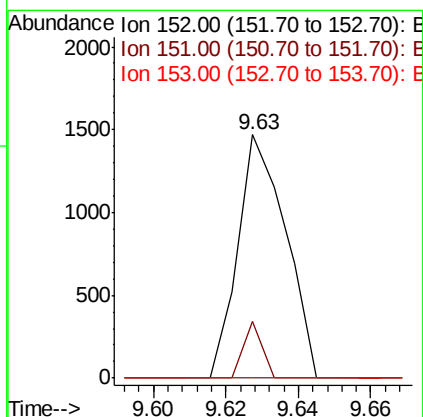
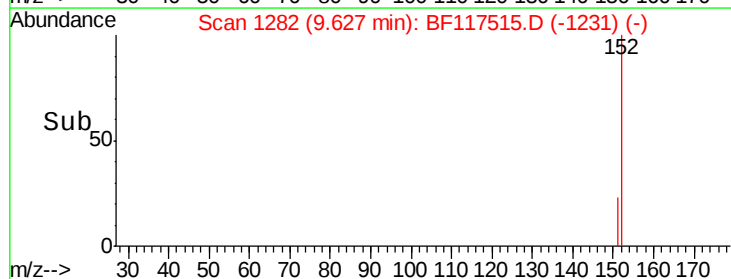
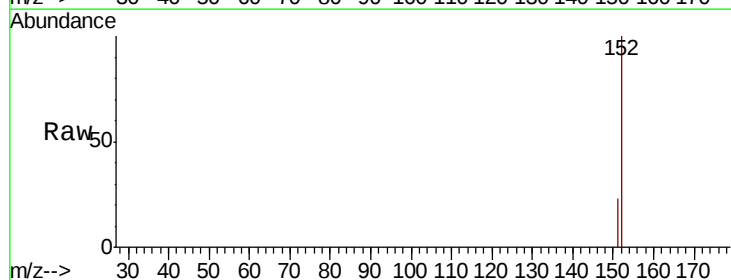
Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

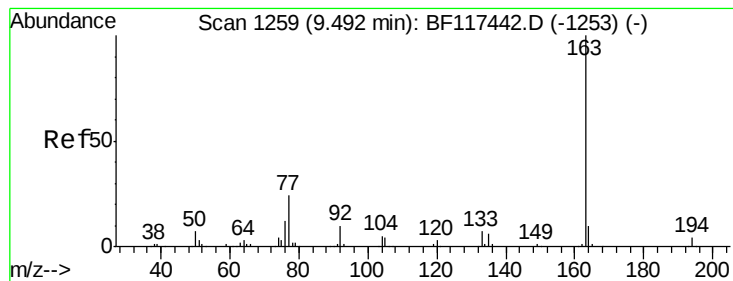
Tot Ion: 65 Resp: 519
Ion Ratio Lower Upper
65 100
92 1021.4 57.3 85.9#
138 0.0 93.3 139.9#



#49
Acenaphthylene
Concen: 0.151 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion: 152 Resp: 1350
Ion Ratio Lower Upper
152 100
151 23.1 15.4 23.0#
153 0.0 10.3 15.5#





#50

Dimethylphthalate

Concen: 7.882 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

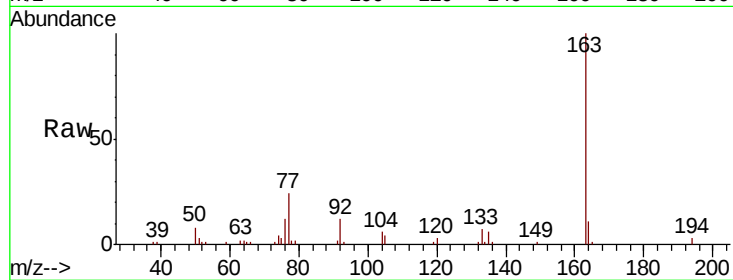
Tot Ion:163 Resp: 54827

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

164 10.5 8.2 12.2

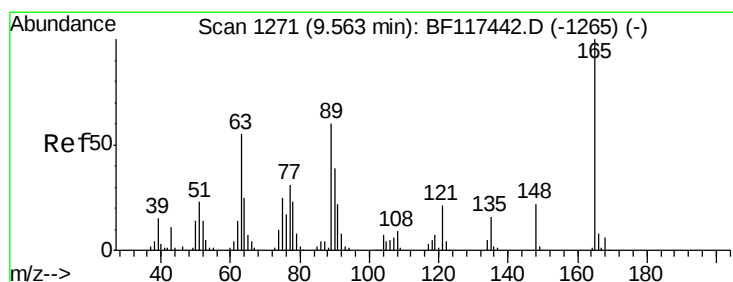
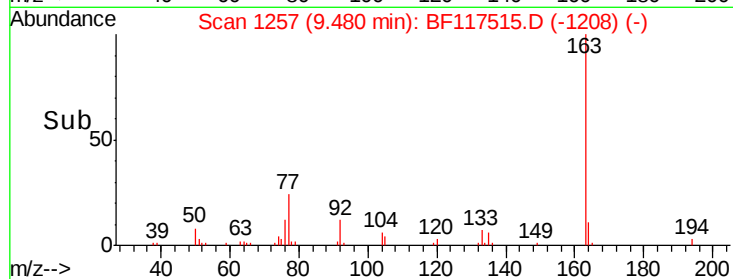
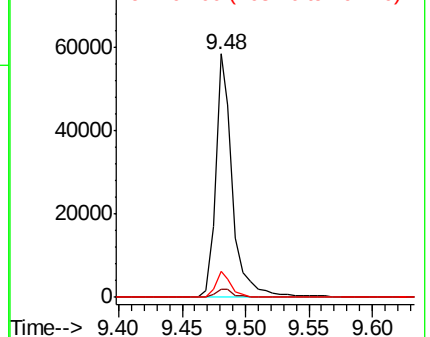


Abundance

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: 0.375 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.08 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

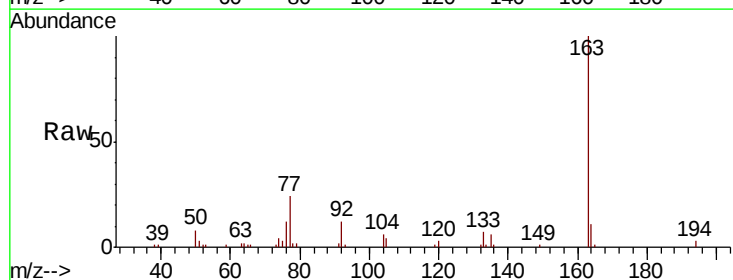
Tgt Ion:165 Resp: 544

Ion Ratio Lower Upper

165 100

63 169.5 43.8 65.8#

89 0.0 47.6 71.4#

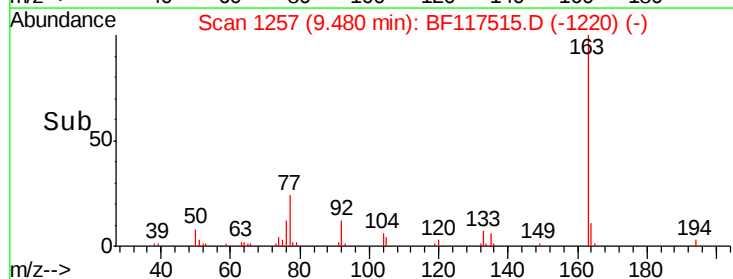
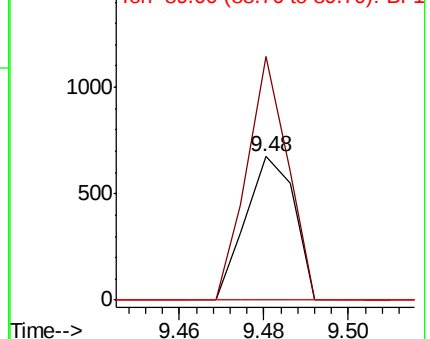


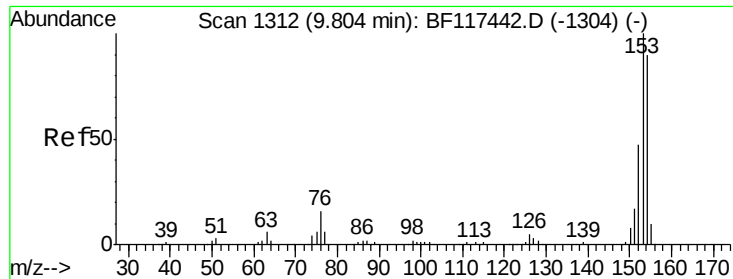
Abundance

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: 0.135 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

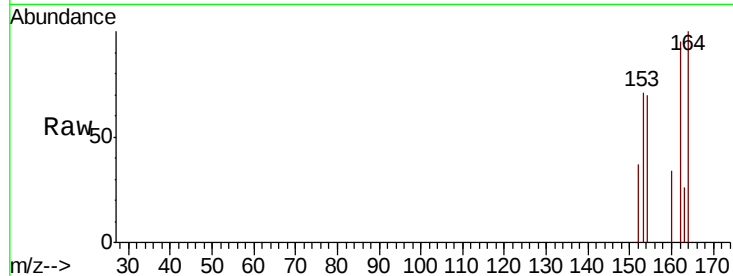
Tot Ion:154 Resp: 741

Ion Ratio Lower Upper

154 100

153 101.6 89.2 133.8

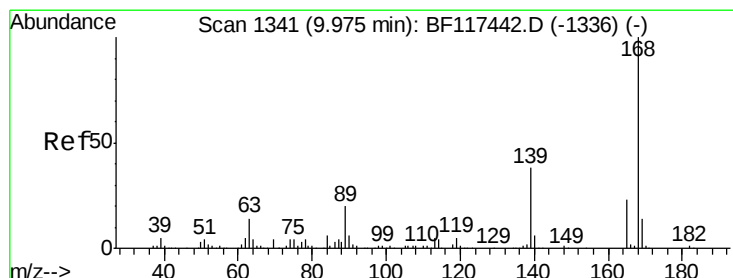
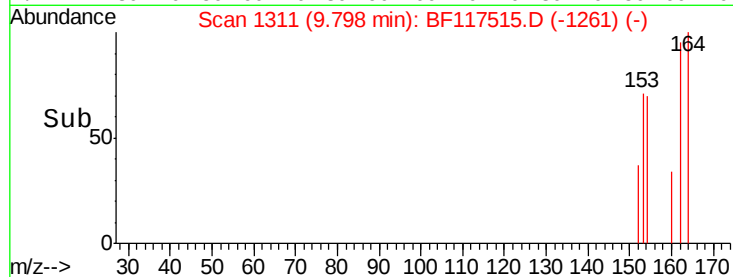
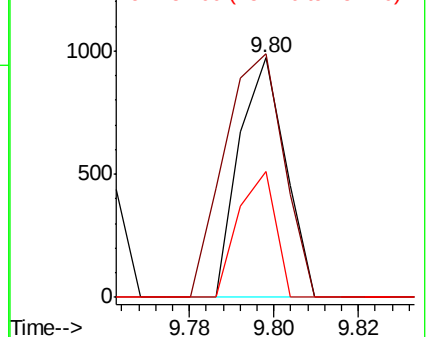
152 52.5 41.8 62.6



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: 0.082 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

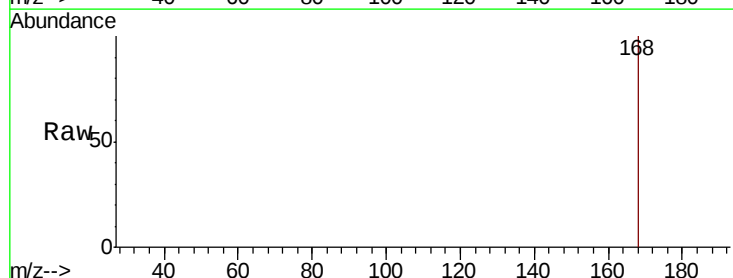
Tgt Ion:168 Resp: 653

Ion Ratio Lower Upper

168 100

139 0.0 31.8 47.6#

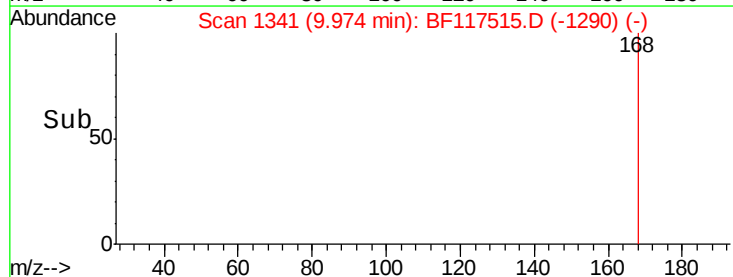
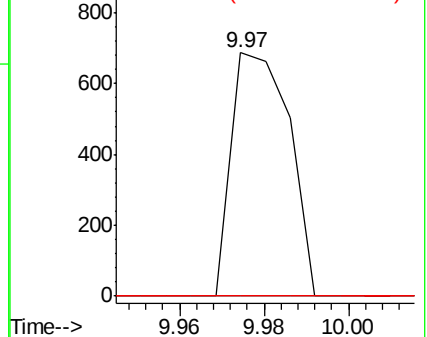
169 0.0 11.2 16.8#

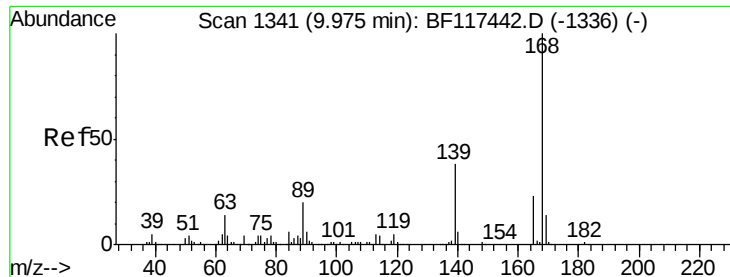


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

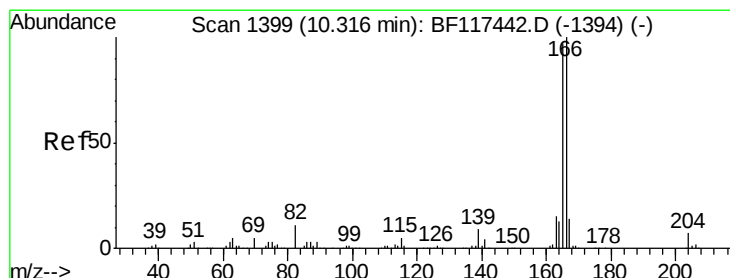
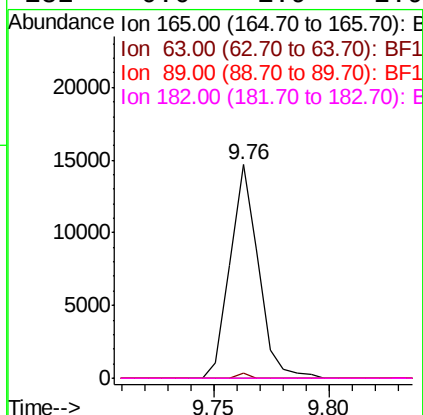
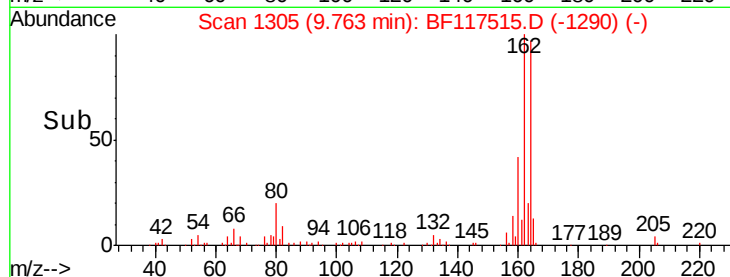
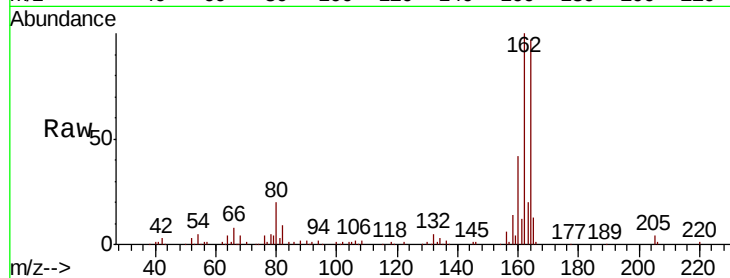




#57
 2,4-Dinitrotoluene
 Concen: 6.497 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

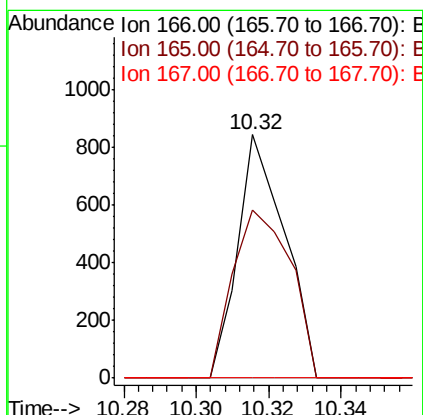
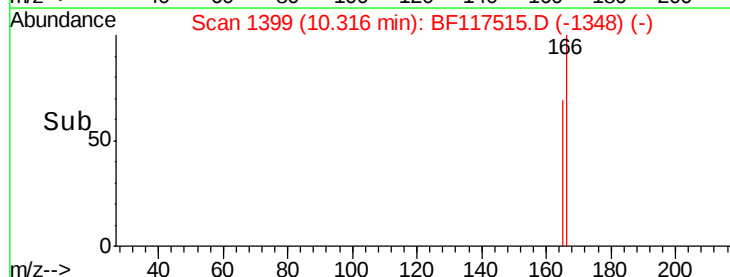
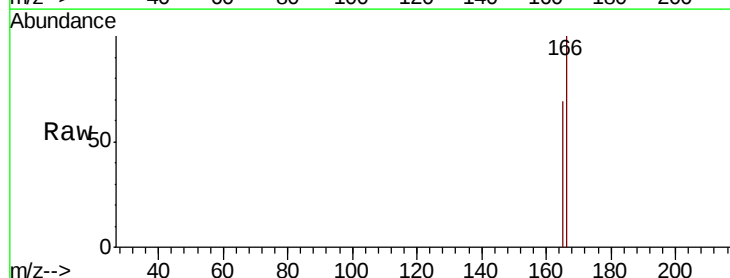
Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

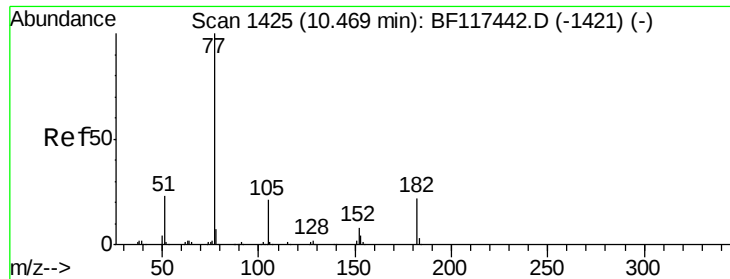
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#



#58
 Fluorene
 Concen: 0.115 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	69.0	77.6	116.4#
167	0.0	11.0	16.4#

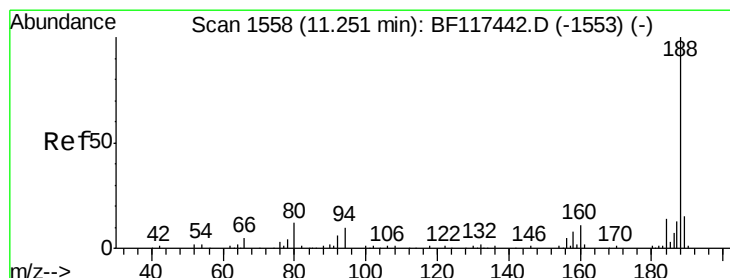
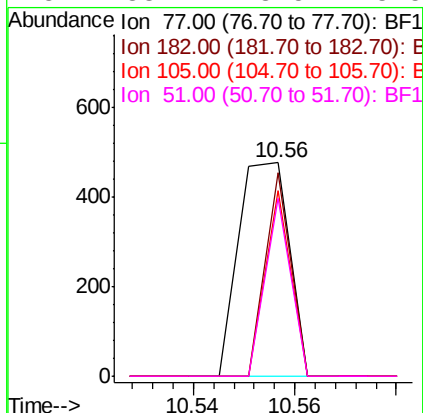
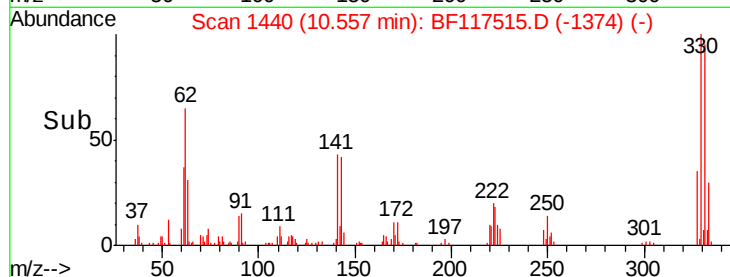
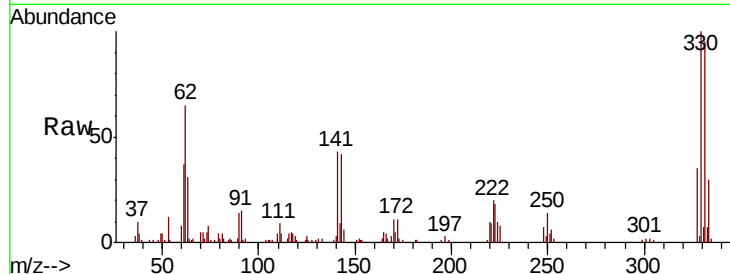




#63
Azobenzene
Concen: 0.046 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.09 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

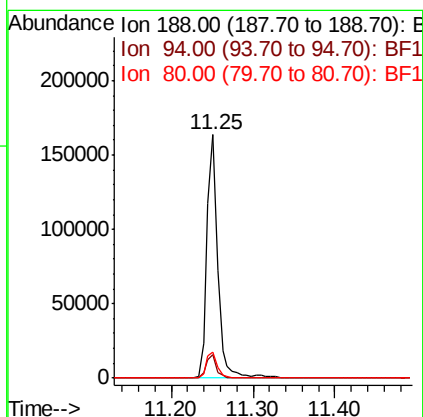
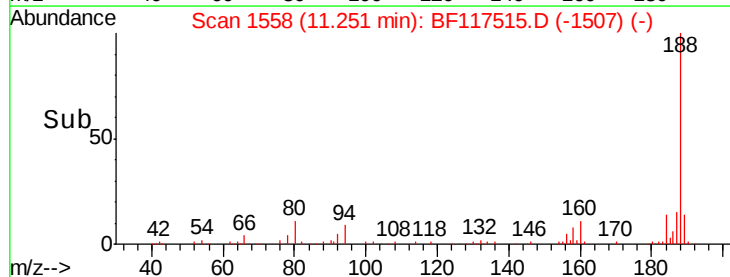
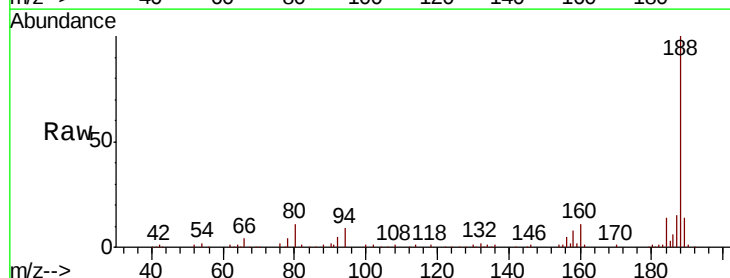
Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

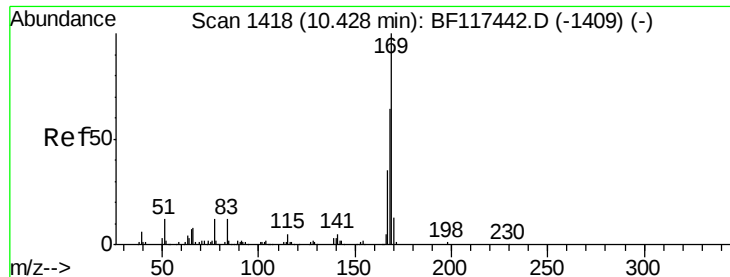
Tot Ion: 77 Resp: 333
Ion Ratio Lower Upper
77 100
182 95.4 2.3 42.3#
105 87.2 1.3 41.3#
51 83.2 3.5 43.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion: 188 Resp: 151830
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.5 9.5 14.3

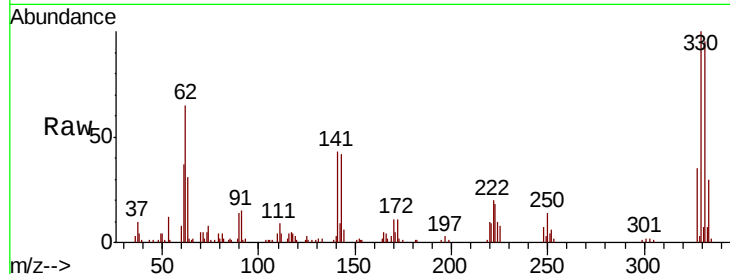




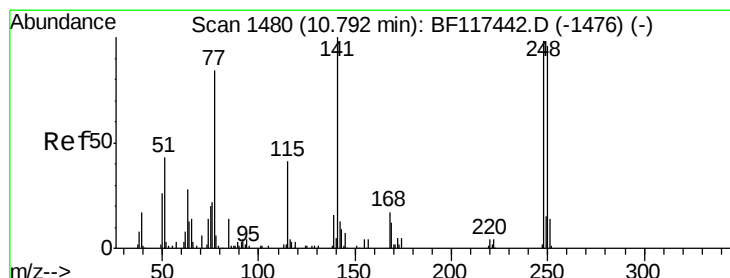
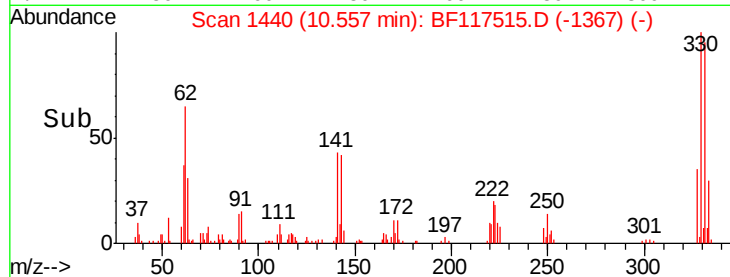
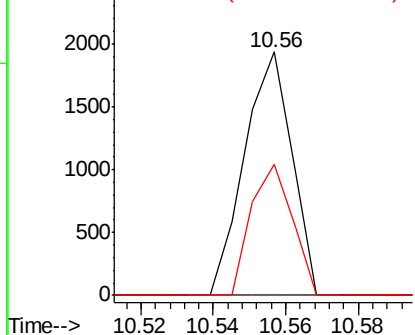
#66
 n-Nitrosodiphenylamine
 Concen: 0.315 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.13 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

Tot Ion:169 Resp: 1751
 Ion Ratio Lower Upper
 169 100
 168 0.0 51.3 76.9#
 167 54.0 28.2 42.4#

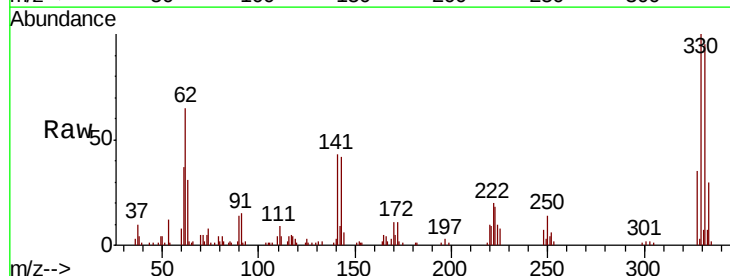


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

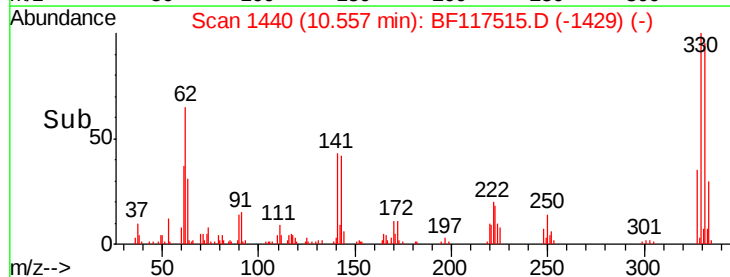
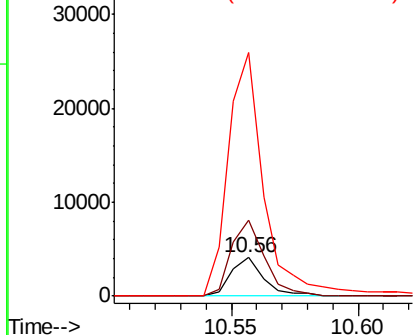


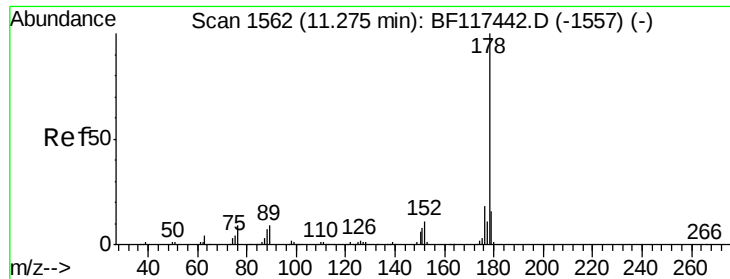
#67
 4-Bromophenyl-phenylether
 Concen: 2.284 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion:248 Resp: 3736
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.0 117.0#
 141 632.7 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: 1.600 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

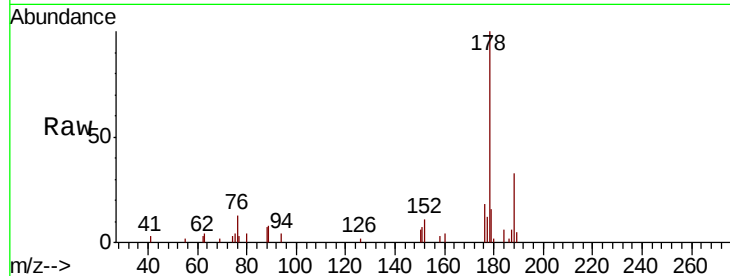
Tot Ion:178 Resp: 14109

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

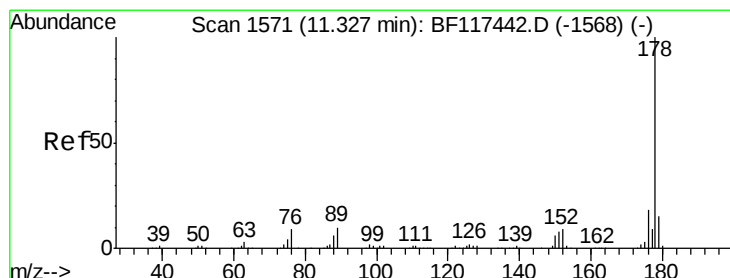
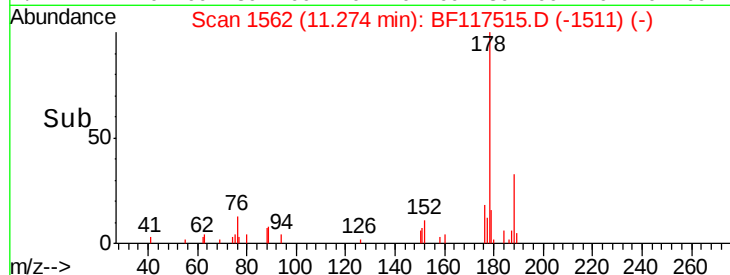
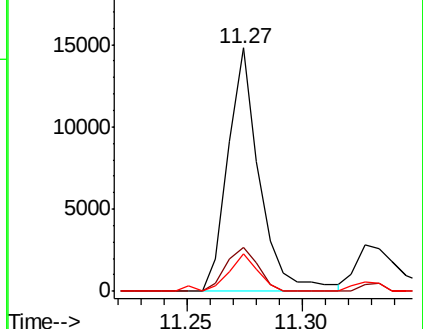
179 15.7 12.6 19.0



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: 1.560 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

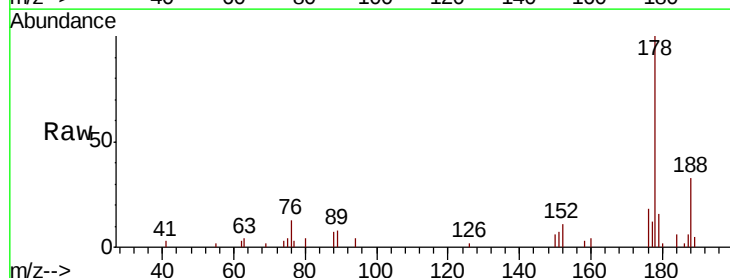
Tgt Ion:178 Resp: 14109

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

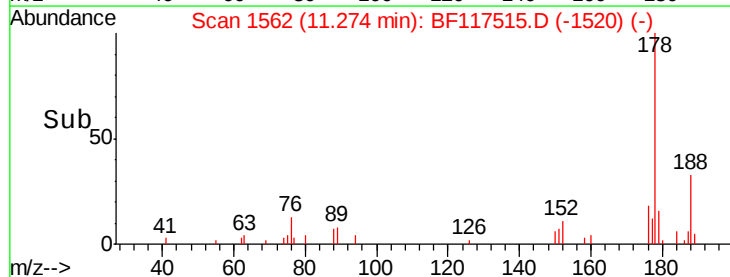
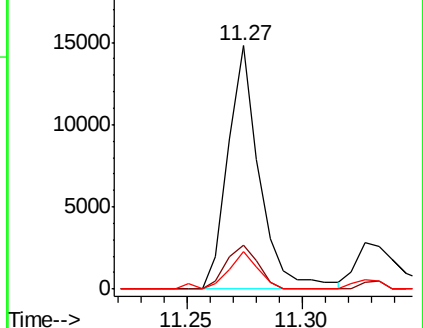
179 15.7 12.2 18.2

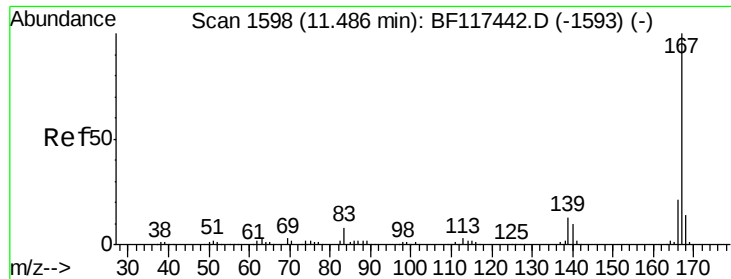


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

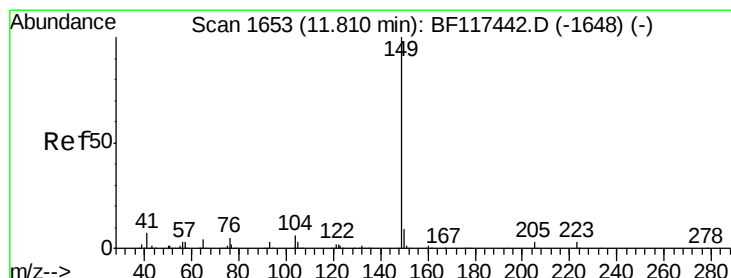
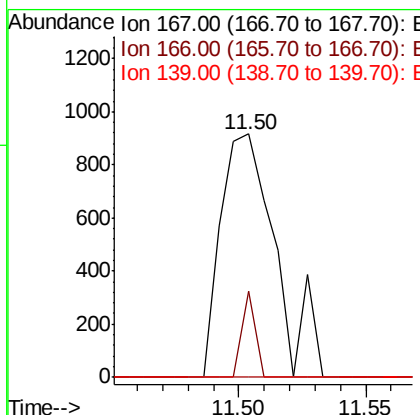
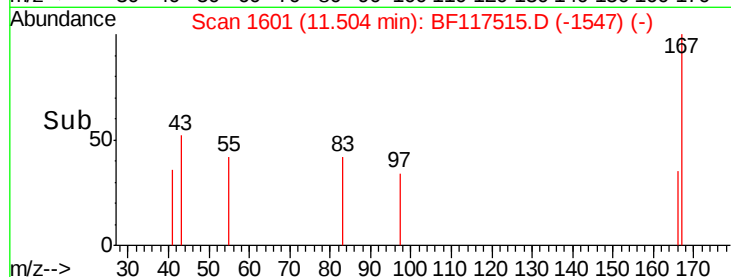
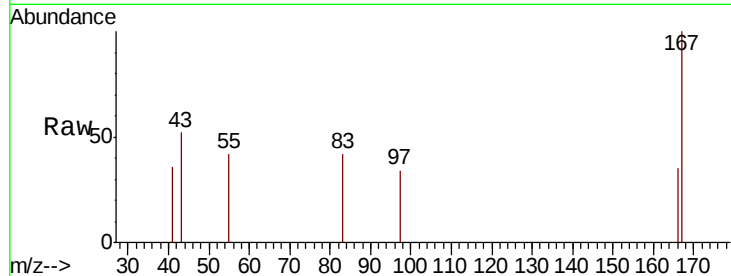




#73
 Carbazole
 Concen: 0.167 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.02 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

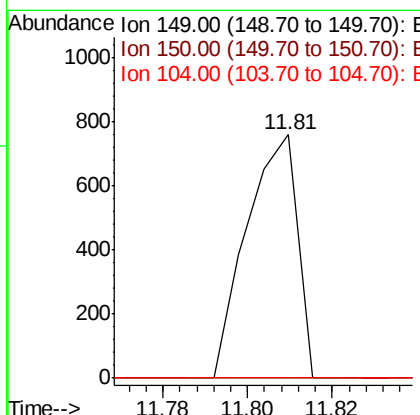
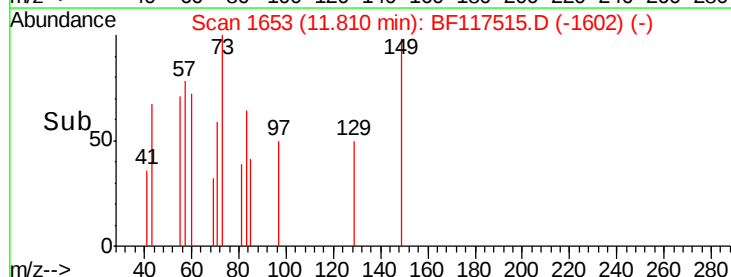
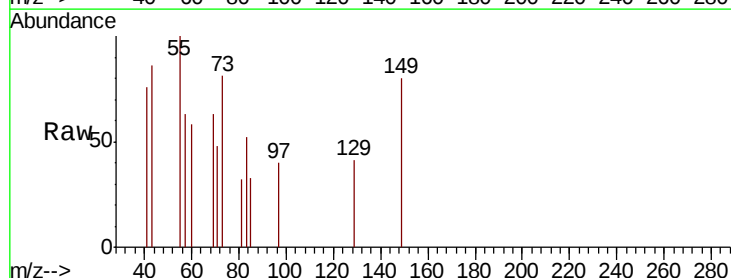
Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

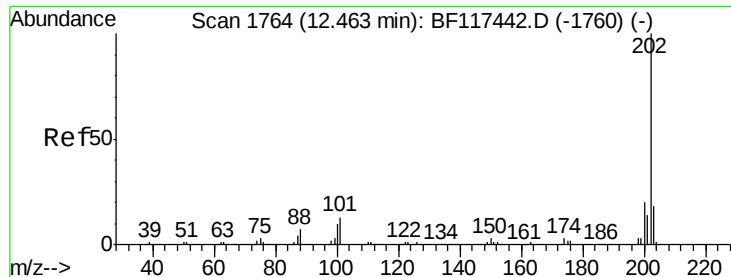
Tot Ion:167 Resp: 1378
 Ion Ratio Lower Upper
 167 100
 166 35.3 17.0 25.6#
 139 0.0 10.6 16.0#



#74
 Di-n-butylphthalate
 Concen: 0.057 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion:149 Resp: 635
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.5 11.3#
 104 0.0 4.6 6.8#





#75

Fluoranthene

Concen: 2.694 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

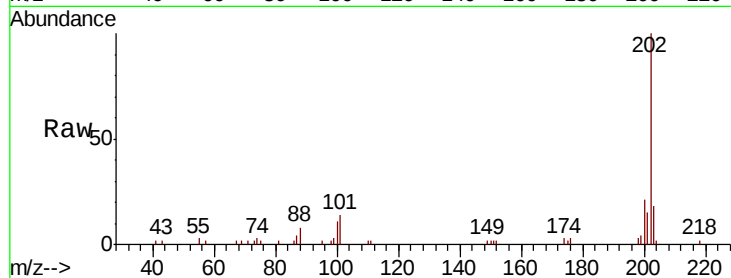
Tot Ion:202 Resp: 23777

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.7

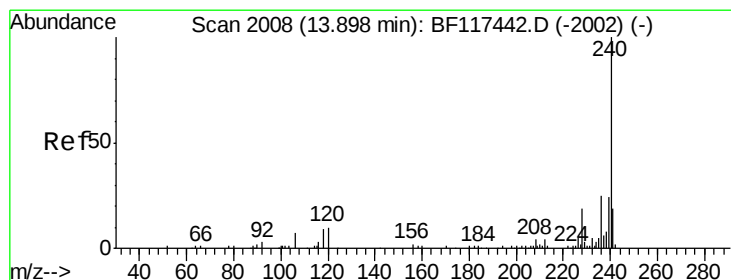
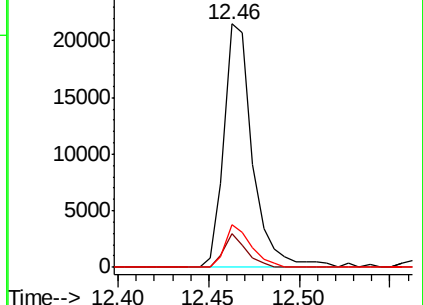
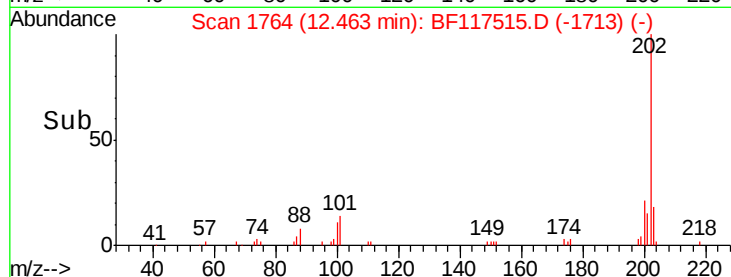
203 17.7 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

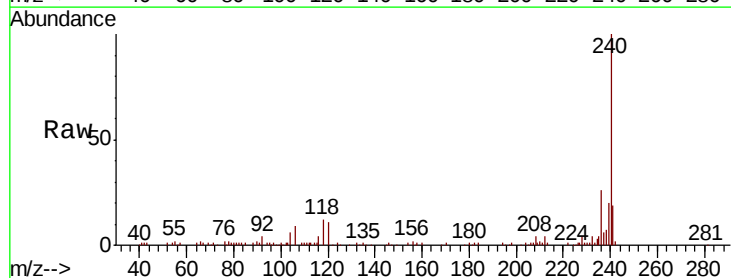
Tgt Ion:240 Resp: 91100

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

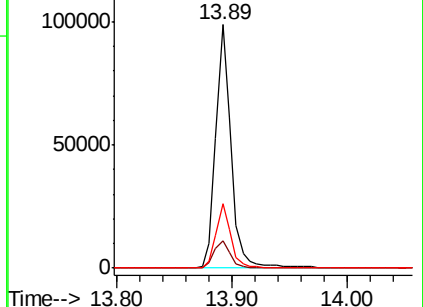
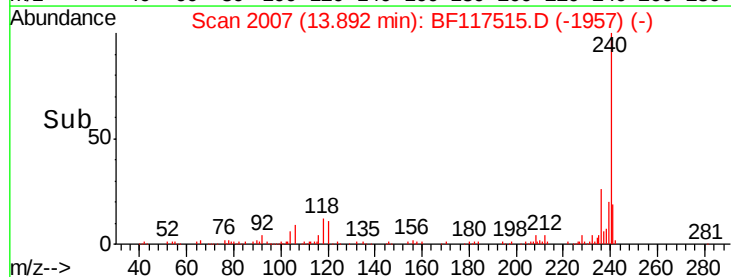
236 26.3 20.0 30.0

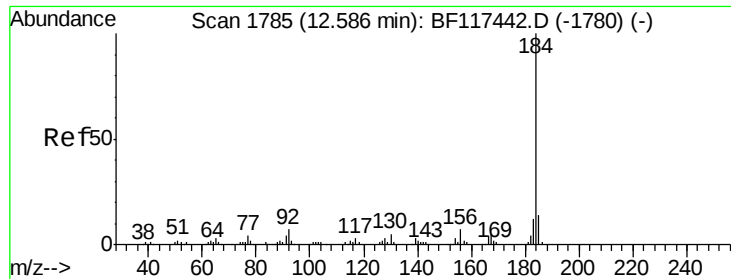


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1826

Delta R.T. 0.24 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

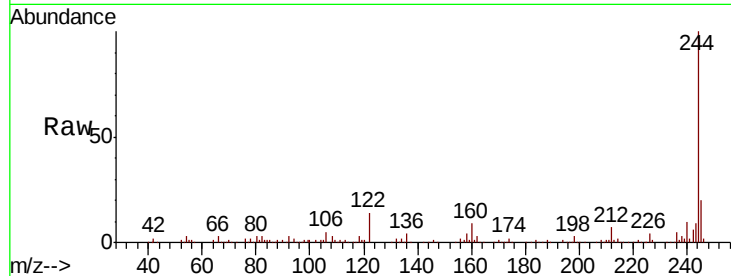
Tot Ion:184 Resp: 2341

Ion Ratio Lower Upper

184 100

185 19.6 11.4 17.0#

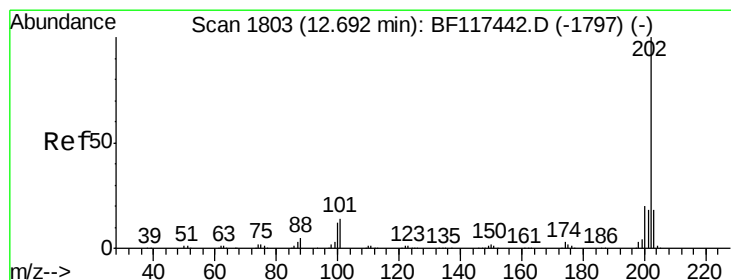
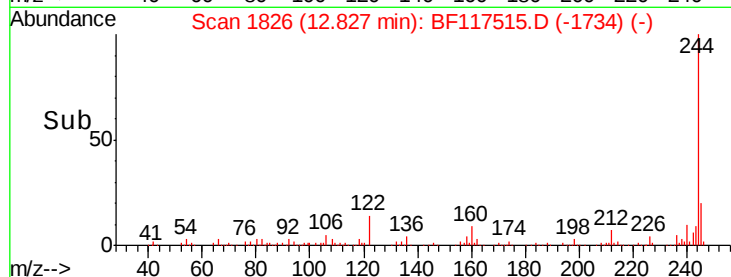
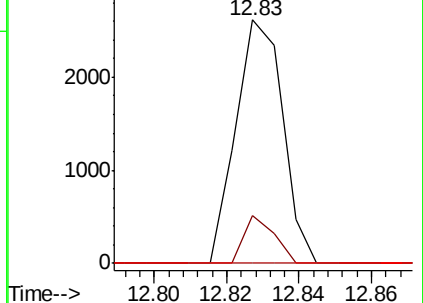
183 0.0 9.6 14.4#



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



#78

Pyrene

Concen: 2.757 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

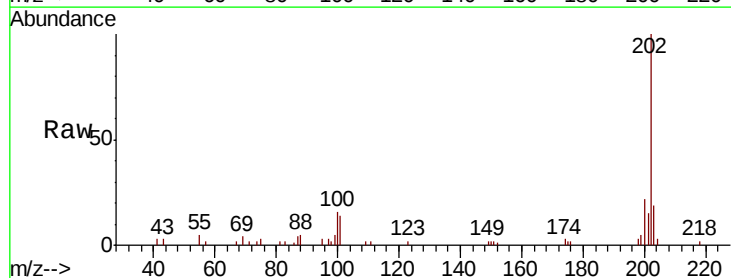
Tgt Ion:202 Resp: 21574

Ion Ratio Lower Upper

202 100

200 21.6 16.2 24.2

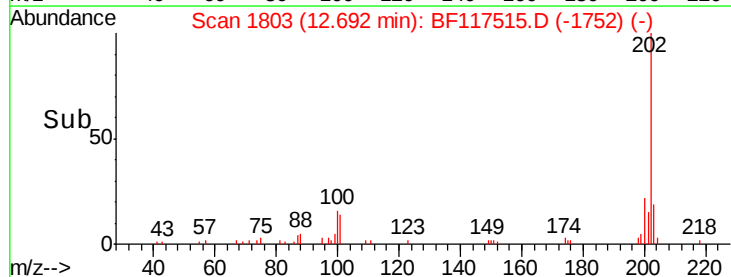
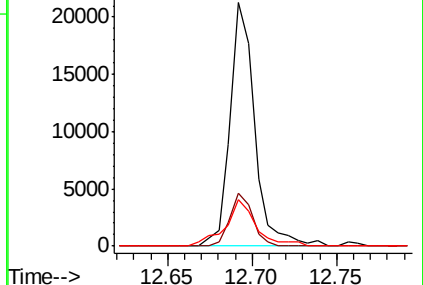
203 18.8 14.0 21.0

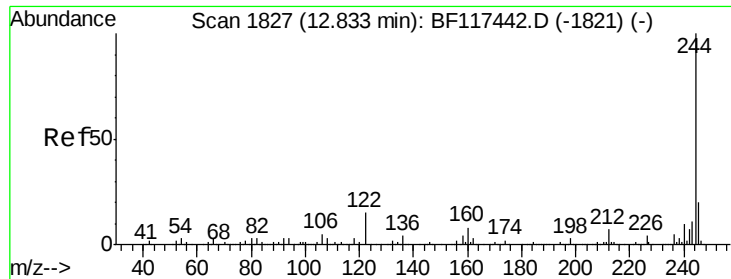


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

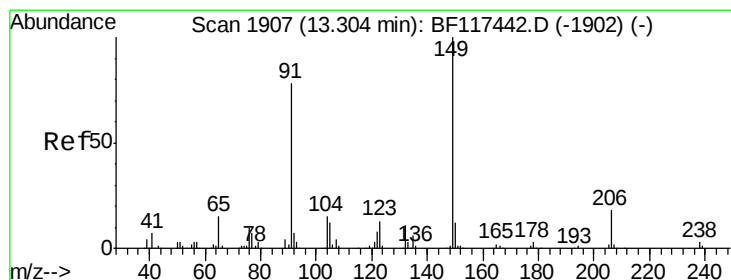
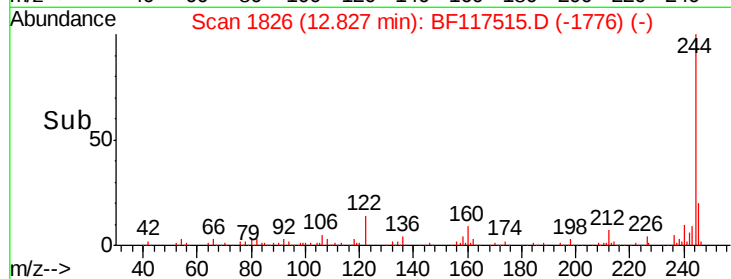
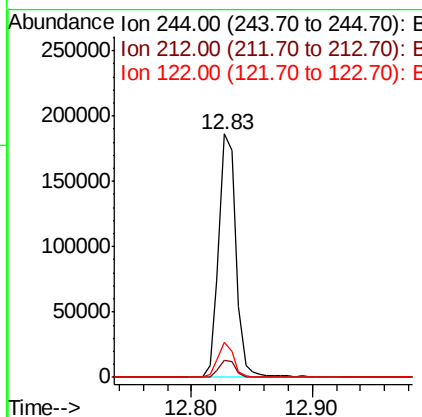
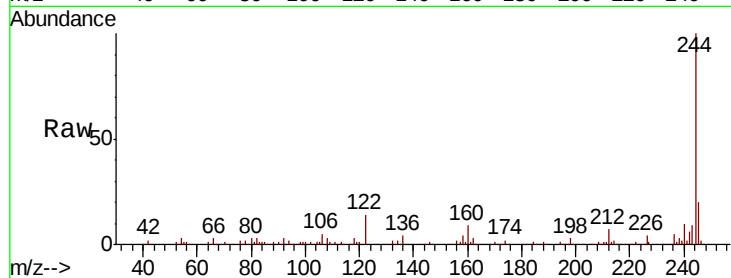




#79
 Terphenyl-d14
 Concen: 32.948 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

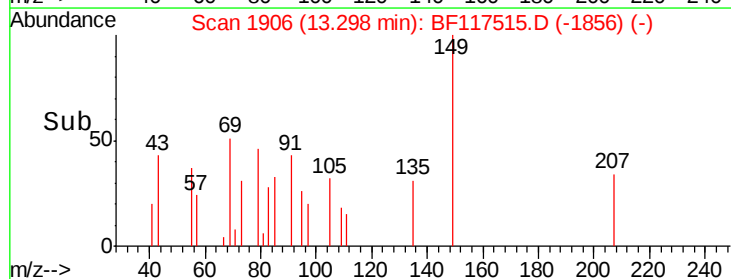
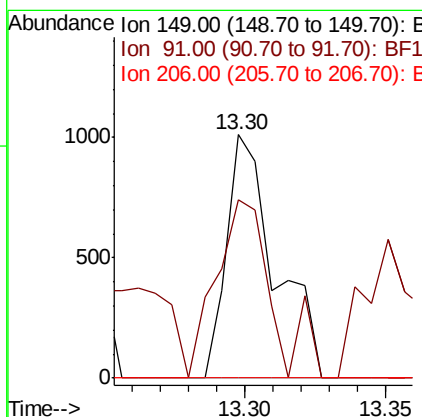
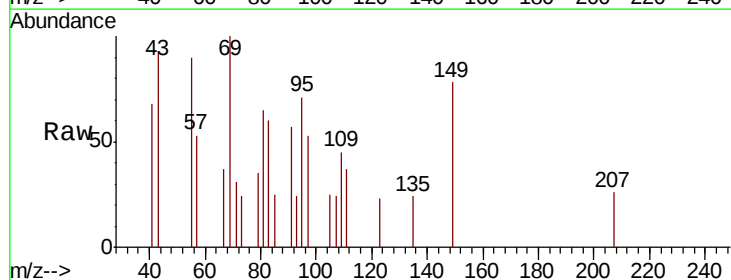
Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

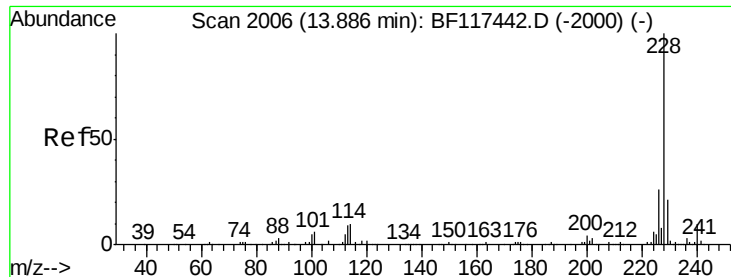
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	14.4	11.8	17.8



#80
 Butylbenzylphthalate
 Concen: 0.311 ng
 RT: 13.30 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.3	62.1	93.1
206	0.0	14.3	21.5#

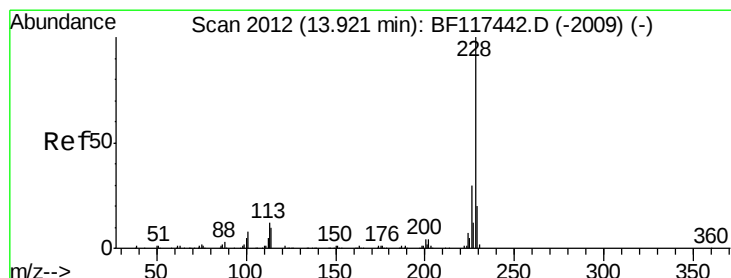
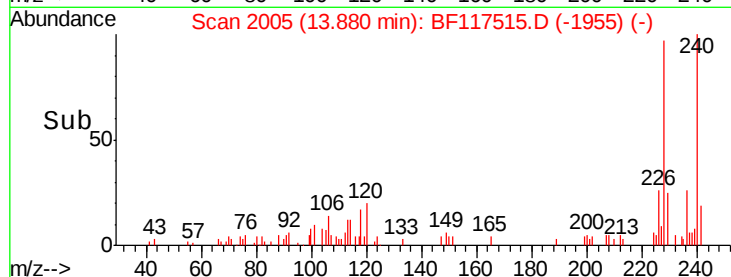
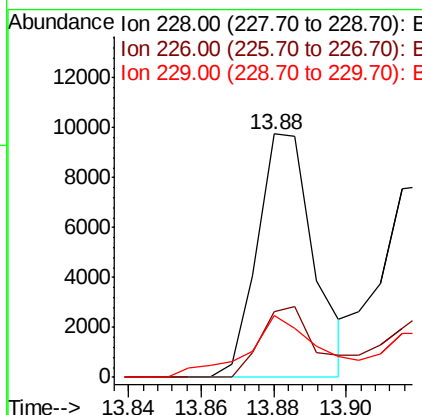
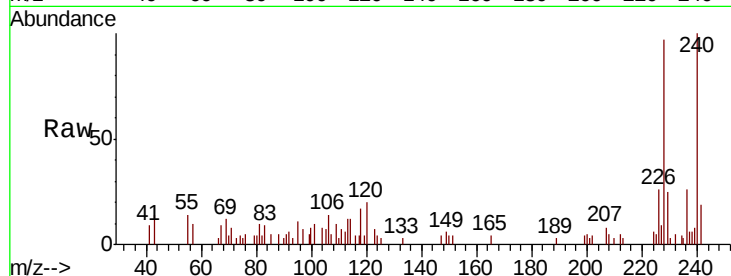




#81
Benzo(a)anthracene
Concen: 1.737 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

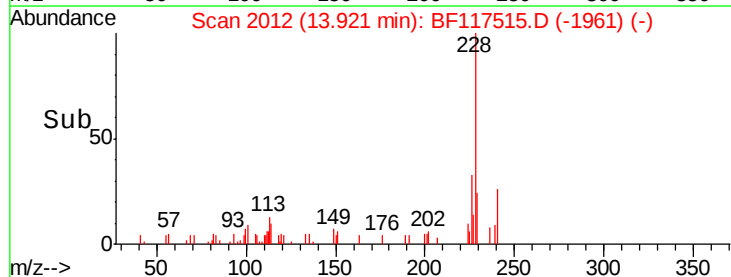
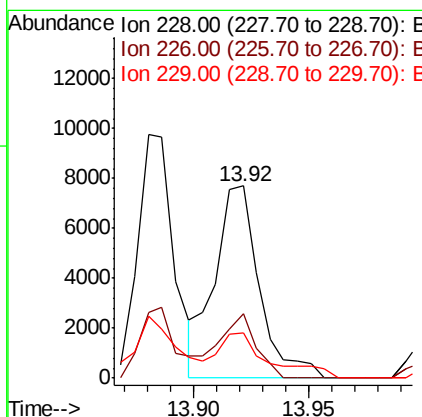
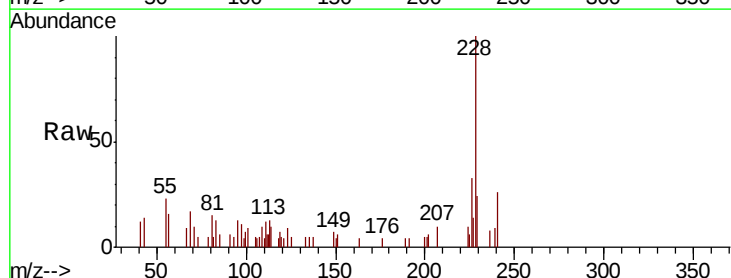
Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

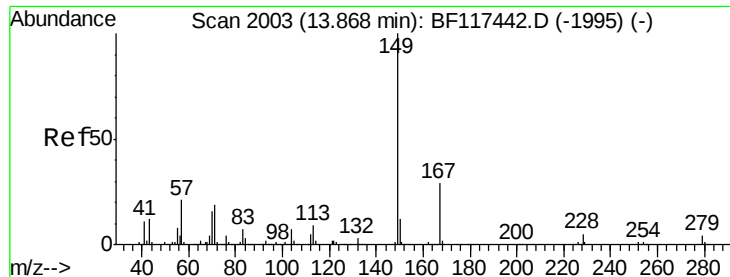
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.0	31.4
229	25.3	16.4	24.6



#83
Chrysene
Concen: 1.726 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.9	35.9
229	23.6	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.862 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

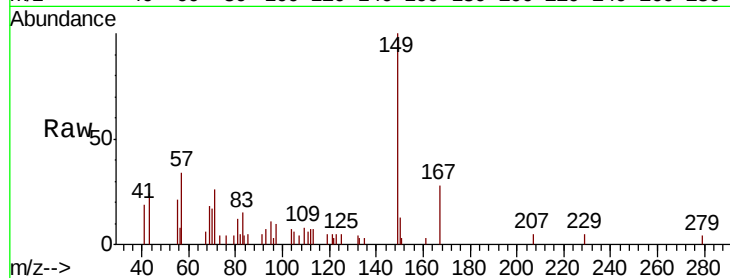
Tot Ion:149 Resp: 10156

Ion Ratio Lower Upper

149 100

167 27.9 23.3 34.9

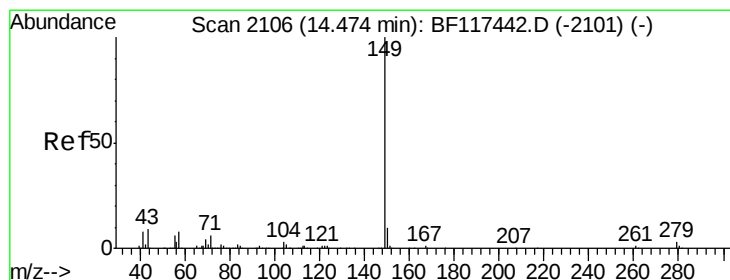
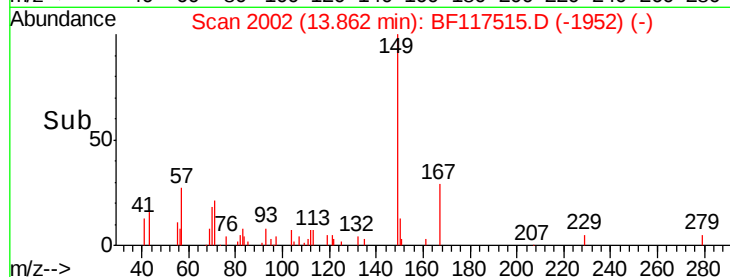
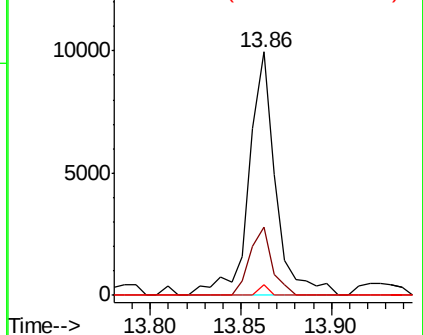
279 4.4 3.2 4.8



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: 1.585 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

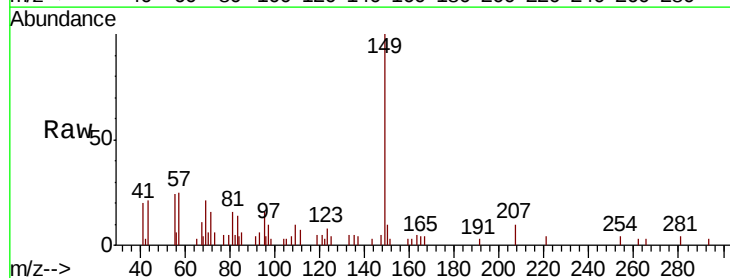
Tgt Ion:149 Resp: 13292

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

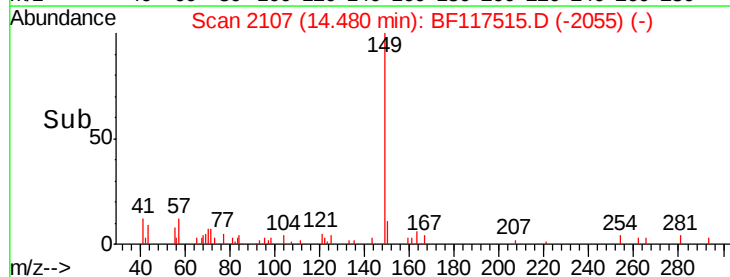
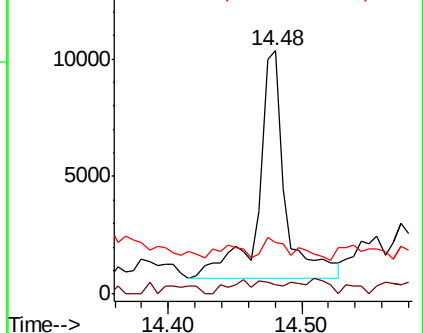
43 6.5 6.8 10.2#

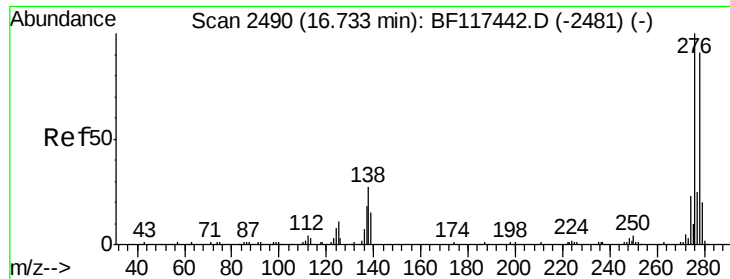


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

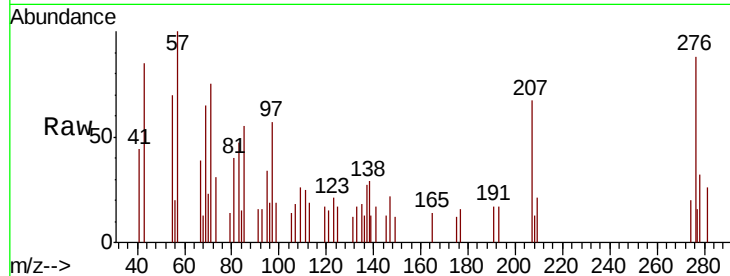




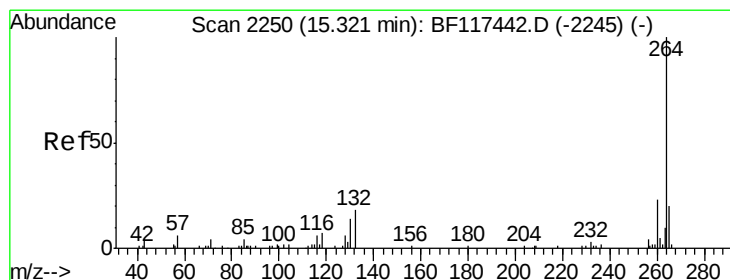
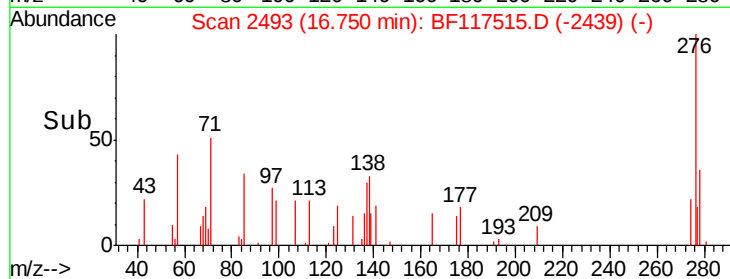
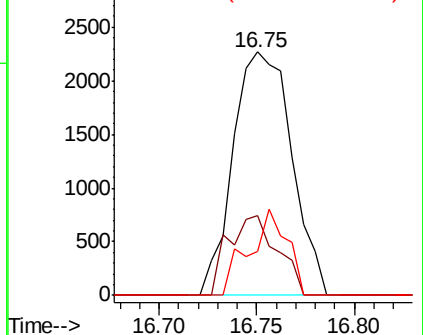
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.050 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 197-16-(0-1)

Tot Ion:276 Resp: 4720
 Ion Ratio Lower Upper
 276 100
 138 27.5 21.8 32.8
 277 22.8 20.0 30.0

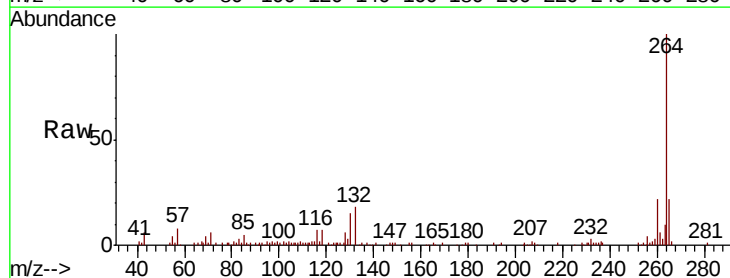


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

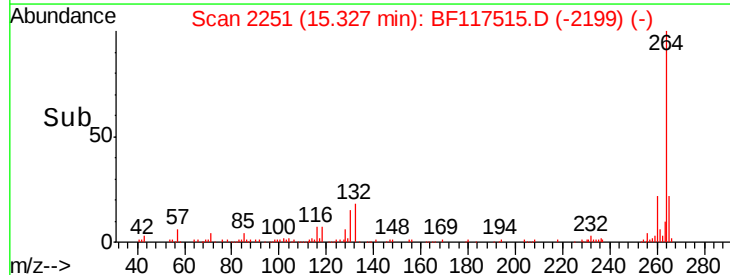
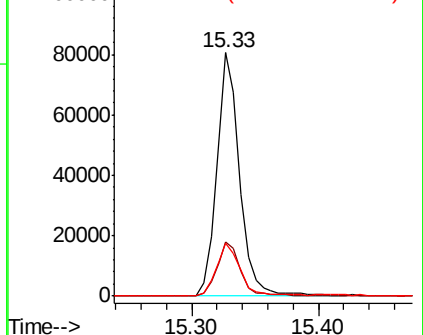


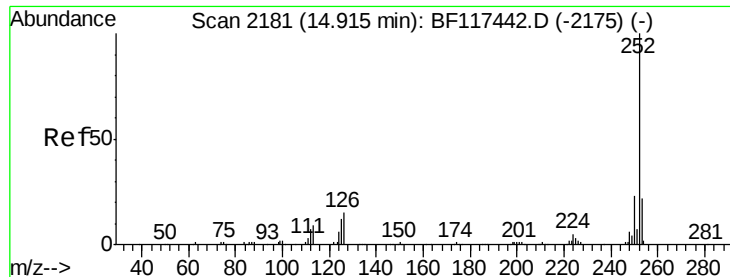
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117515.D
 Acq: 24 Oct 2019 17:33

Tgt Ion:264 Resp: 100936
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.4 27.6
 265 22.0 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

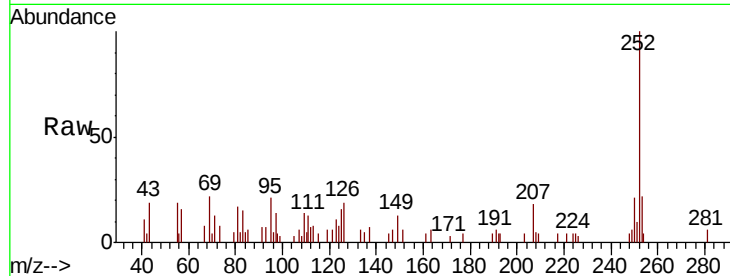




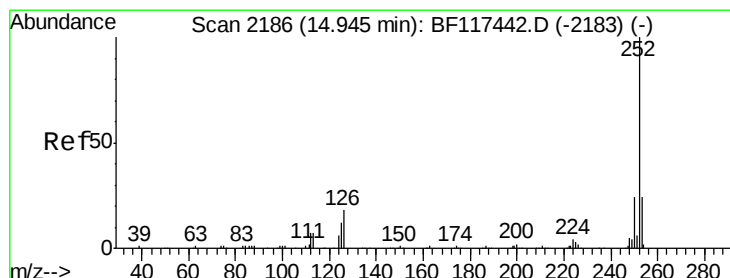
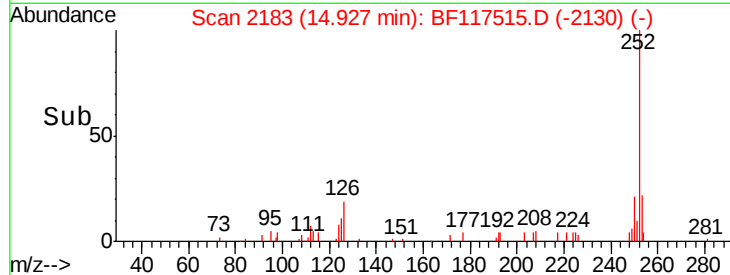
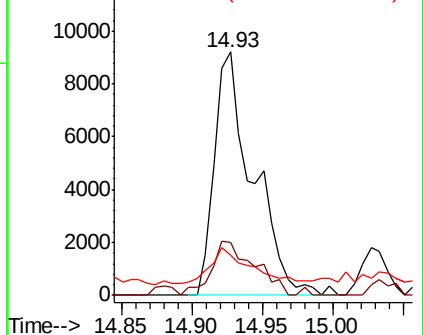
#88
Benzo(b)fluoranthene
Concen: 2.947 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
197-16-(0-1)

Tot Ion:252 Resp: 17567
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 16.4 9.9 14.9#

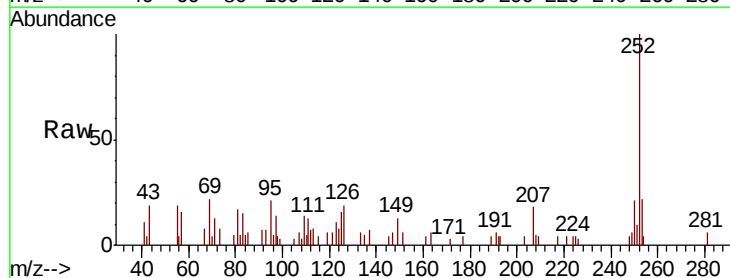


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

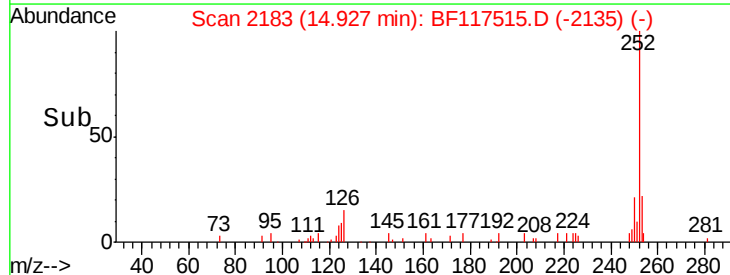
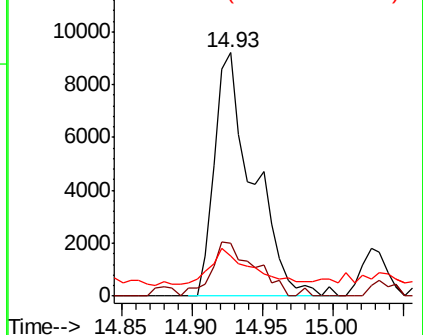


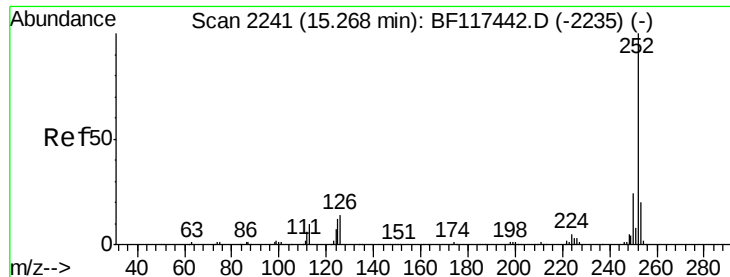
#89
Benzo(k)fluoranthene
Concen: 2.876 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117515.D
Acq: 24 Oct 2019 17:33

Tgt Ion:252 Resp: 17567
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 16.4 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: 1.742 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

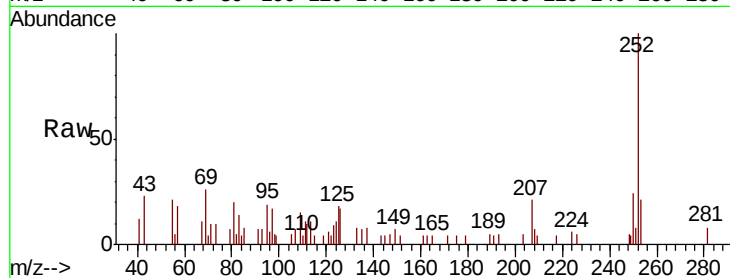
Tot Ion:252 Resp: 9440

Ion Ratio Lower Upper

252 100

253 20.9 16.3 24.5

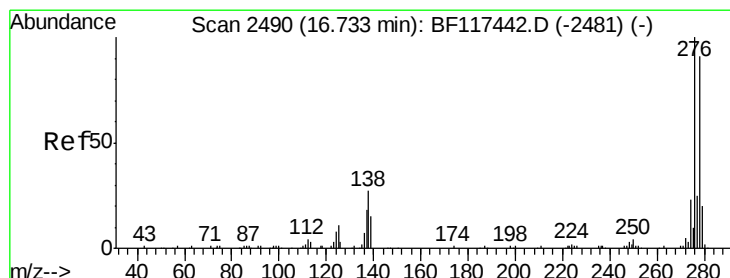
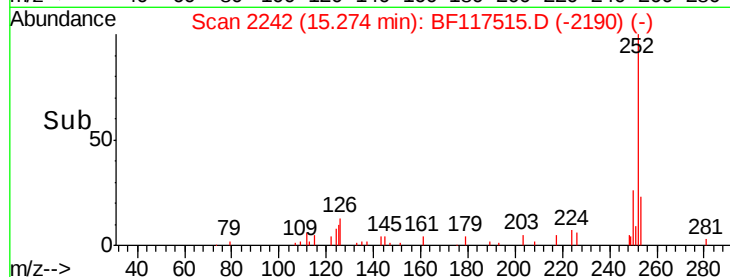
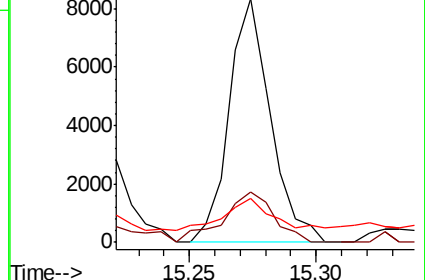
125 18.0 9.2 13.8#



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: 0.287 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

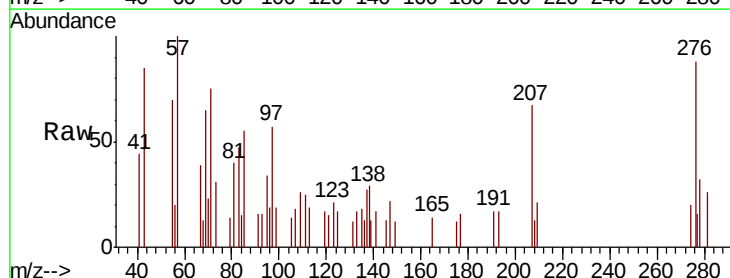
Tgt Ion:278 Resp: 1346

Ion Ratio Lower Upper

278 100

139 40.5 13.4 20.0#

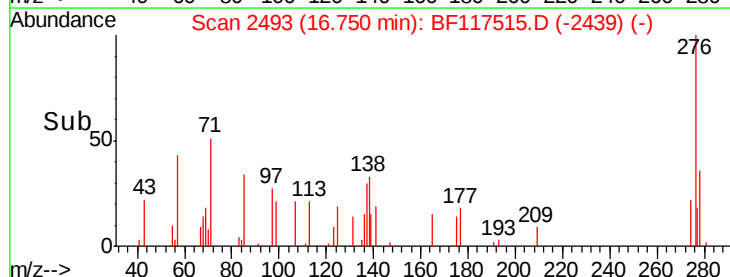
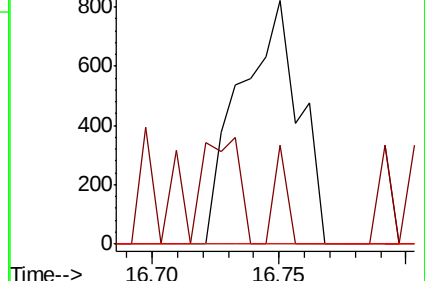
279 0.0 17.8 26.6#

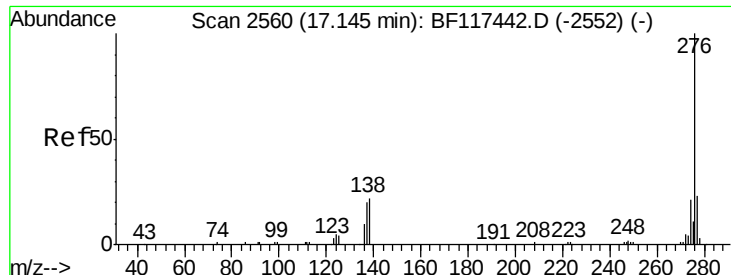


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.916 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117515.D

Acq: 24 Oct 2019 17:33

Instrument :

BNA_F

ClientSampleId :

197-16-(0-1)

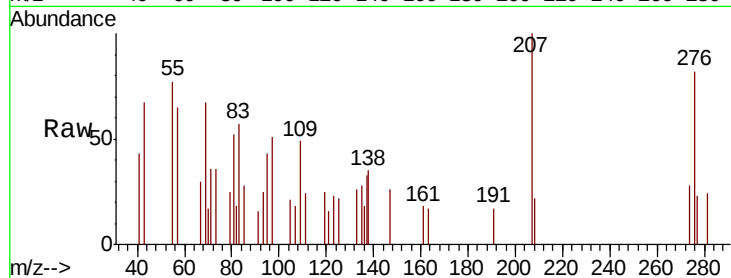
Tot Ion: 276 Resp: 4062

Ion Ratio Lower Upper

276 100

277 27.9 18.4 27.6#

138 42.2 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

