

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117523.D
 Acq On : 24 Oct 2019 21:06
 Operator : JU
 Sample : K5499-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Quant Time: Oct 25 01:07:19 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	60046	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	241737	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	114905	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	158321	20.00	ng	0.00
76) Chrysene-d12	13.90	240	113071	20.00	ng	0.00
87) Perylene-d12	15.33	264	87316	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	129663	32.13	ng	0.00
7) Phenol-d6	6.39	99	178962	33.01	ng	0.00
23) Nitrobenzene-d5	7.30	82	102776	20.99	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	26373	26.53	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	170239	20.88	ng	0.00
79) Terphenyl-d14	12.83	244	109750	15.83	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	3368	Below Cal	#	74
10) Phenol	6.40	94	1251	0.226 ng	#	1
15) Benzyl Alcohol	6.89	79	1819	0.470 ng	#	51
19) n-Nitroso-di-n-propylamine	7.30	70	13387	4.044 ng	#	78
24) Nitrobenzene	7.30	77	107	0.023 ng	#	41
25) Isophorone	7.30	82	102775	12.133 ng	#	65
31) Naphthalene	8.03	128	1513	0.126 ng	#	69
37) 2-Methylnaphthalene	8.73	142	176	0.022 ng	#	74
38) 1-Methylnaphthalene	8.83	142	439	0.058 ng	#	91
46) 1,1'-Biphenyl	9.20	154	371	0.039 ng	#	43
48) 2-Nitroaniline	9.48	65	121	0.051 ng	#	1
49) Acenaphthylene	9.63	152	1795	0.170 ng	#	62
50) Dimethylphthalate	9.49	163	19431	2.372 ng	#	96
51) 2,6-Dinitrotoluene	9.76	165	14421	8.436 ng	#	22
52) Acenaphthene	9.80	154	1393	0.216 ng	#	88
55) Dibenzofuran	9.98	168	1120	0.120 ng	#	79
56) 4-Nitrophenol	9.97	139	324	4.452 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	14421	6.345 ng	#	12
58) Fluorene	10.32	166	1844	0.238 ng	#	75
63) Azobenzene	10.56	77	113	0.013 ng	#	1
66) n-Nitrosodiphenylamine	10.56	169	994	0.172 ng	#	45
67) 4-Bromophenyl-phenylether	10.56	248	1593	0.934 ng	#	1
71) Phenanthrene	11.27	178	25042	2.724 ng	#	98
72) Anthracene	11.27	178	25042	2.655 ng	#	99
73) Carbazole	11.50	167	2389	0.277 ng	#	76
74) Di-n-butylphthalate	11.81	149	461	0.040 ng	#	78
75) Fluoranthene	12.47	202	44593	4.845 ng	#	98
77) Benzidine	12.83	184	1555	Below Cal	#	80
78) Pyrene	12.69	202	38808	3.996 ng	#	95
80) Butylbenzylphthalate	13.31	149	985	0.204 ng	#	45
81) Benzo(a)anthracene	13.89	228	22283	2.922 ng	#	97
82) 3,3'-Dichlorobenzidine	13.86	252	107	0.045 ng	#	25
83) Chrysene	13.92	228	20154	2.696 ng	#	95
84) Bis(2-ethylhexyl)phthalate	13.86	149	1505	0.222 ng	#	95

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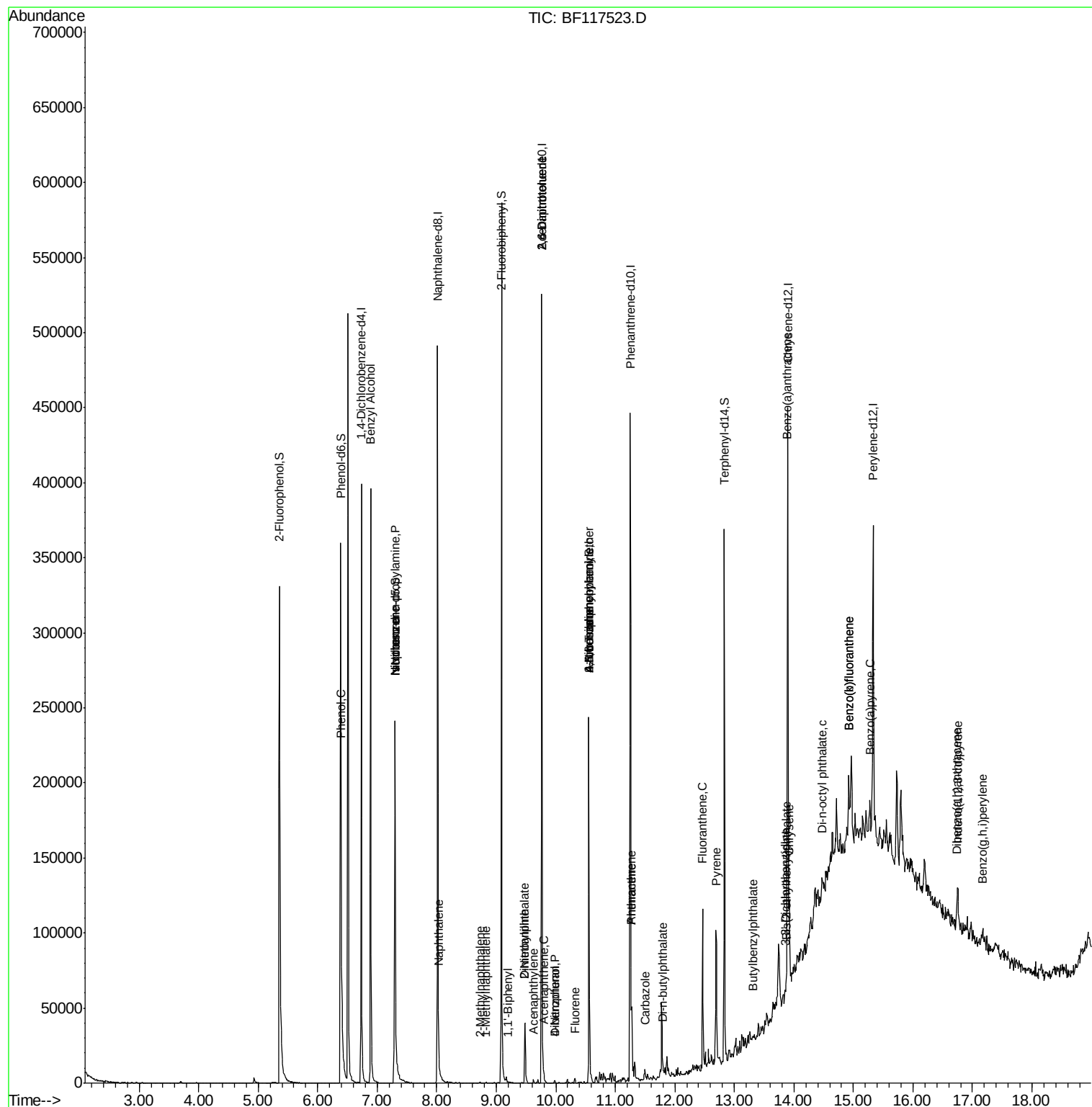
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	14.47	149	465	0.045	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.75	276	7044	1.262	nq	# 84
88) Benzo(b)fluoranthene	14.92	252	25274	4.902	nq	# 78
89) Benzo(k)fluoranthene	14.92	252	25274	4.782	nq	# 77
90) Benzo(a)pyrene	15.27	252	11070	2.361	nq	# 82
91) Dibenzo(a,h)anthracene	16.73	278	595	0.147	nq	# 1
92) Benzo(a,h,i)perylene	17.18	276	7334	1.912	nq	# 62

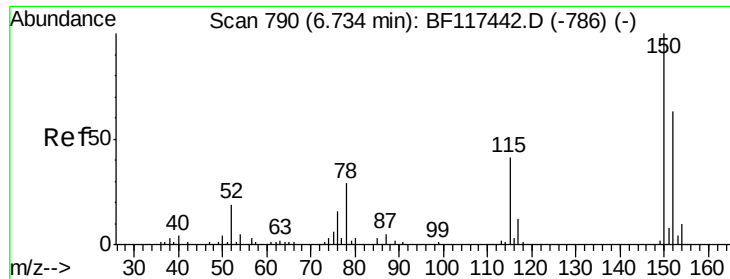
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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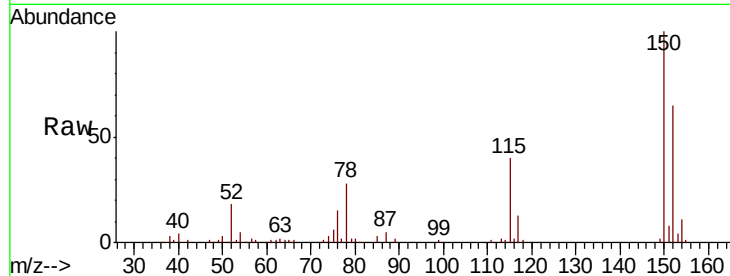


#1

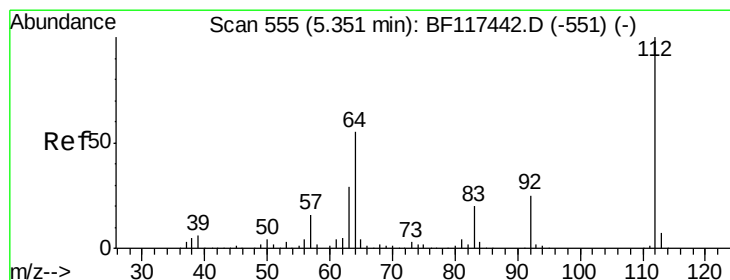
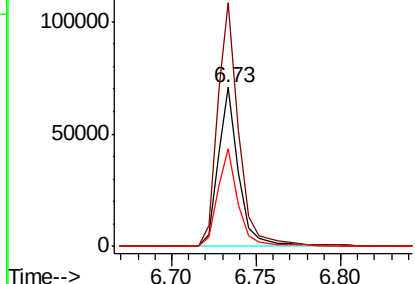
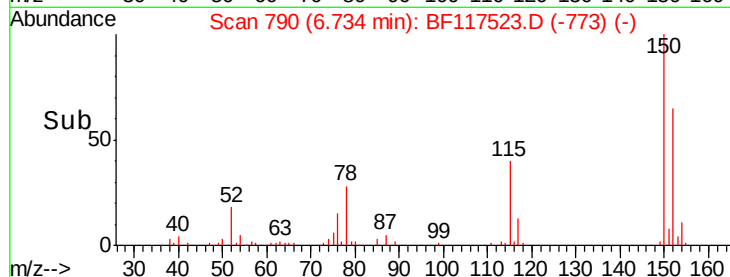
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion:152 Resp: 60046
Ion Ratio Lower Upper
152 100
150 153.2 126.8 190.2
115 61.7 51.6 77.4



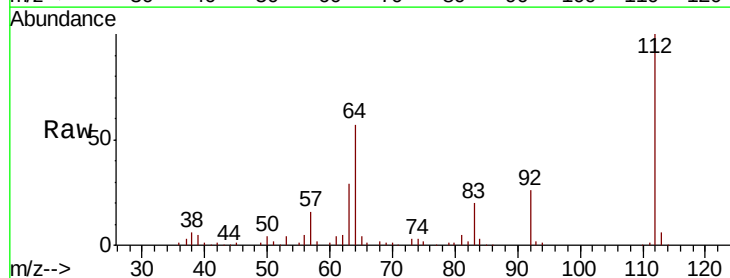
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



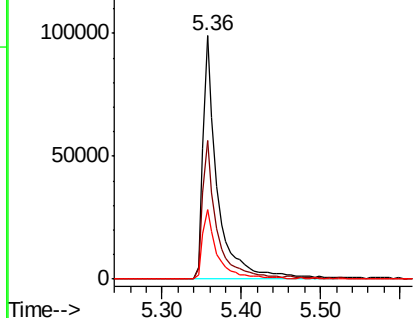
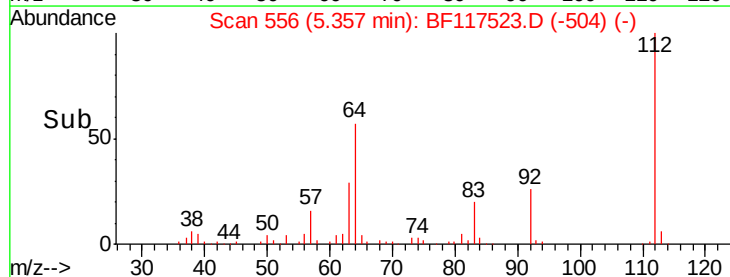
#5

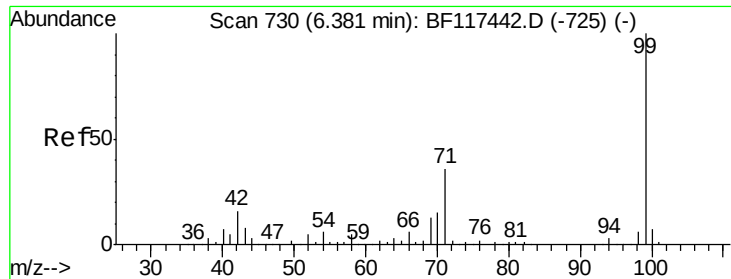
2-Fluorophenol
Concen: 32.125 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:112 Resp: 129663
Ion Ratio Lower Upper
112 100
64 56.8 44.1 66.1
63 28.5 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





#7

Phenol-d6

Concen: 33.013 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

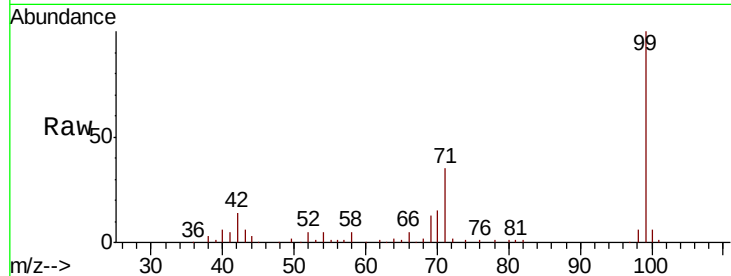
Tot Ion: 99 Resp: 178962

Ion Ratio Lower Upper

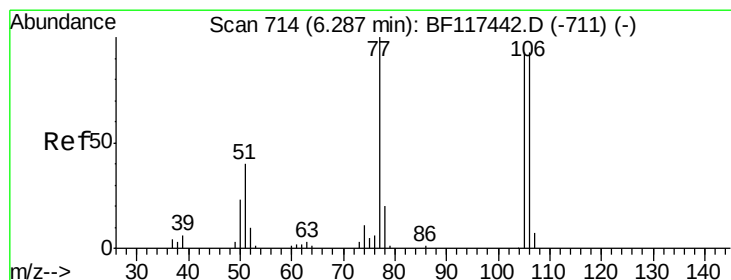
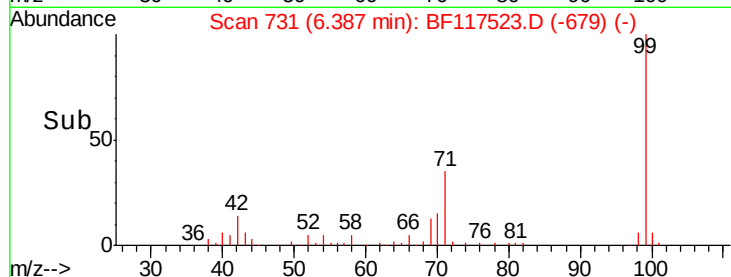
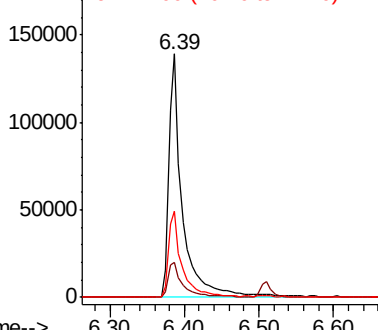
99 100

42 14.1 12.8 19.2

71 35.4 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: 6.51 min Scan# 752

Delta R.T. 0.22 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

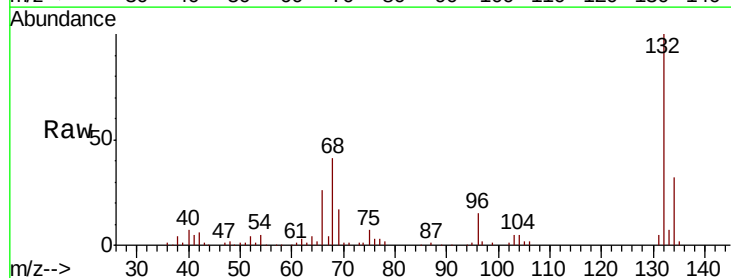
Tgt Ion: 77 Resp: 3368

Ion Ratio Lower Upper

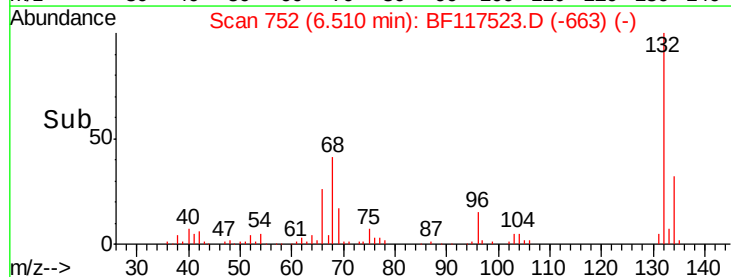
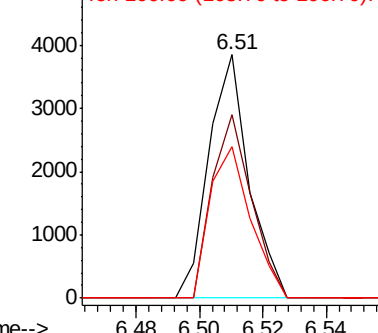
77 100

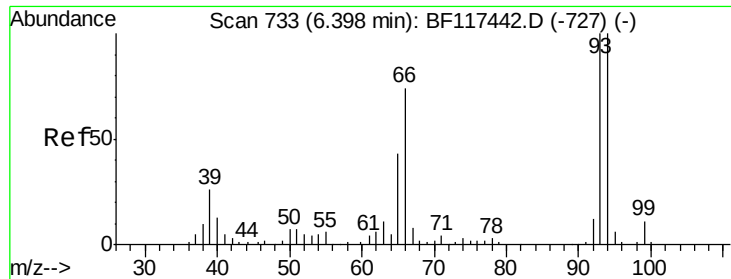
105 75.2 73.4 113.4

106 62.0 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

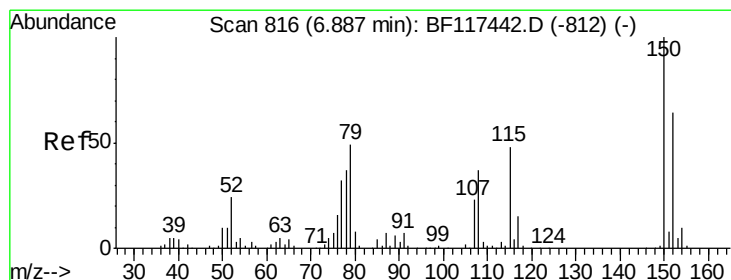
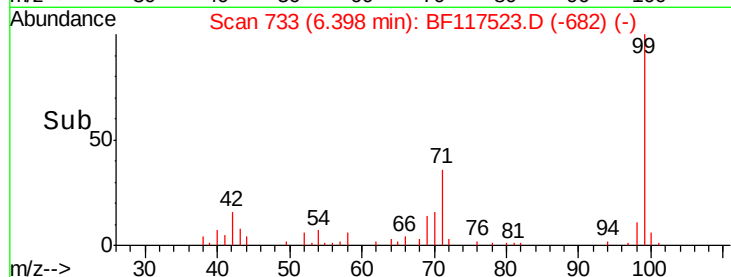
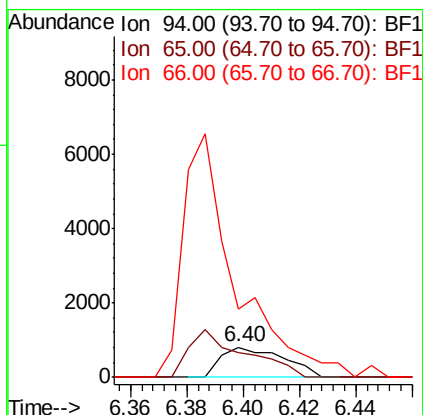
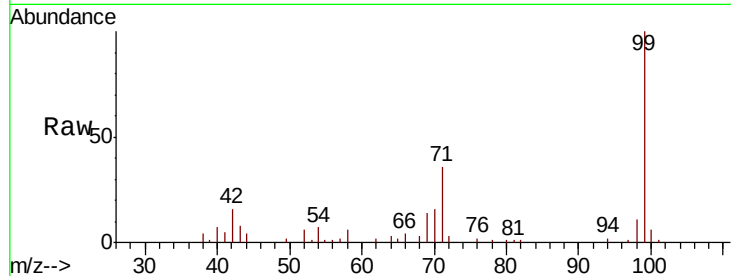




#10
Phenol
Concen: 0.226 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

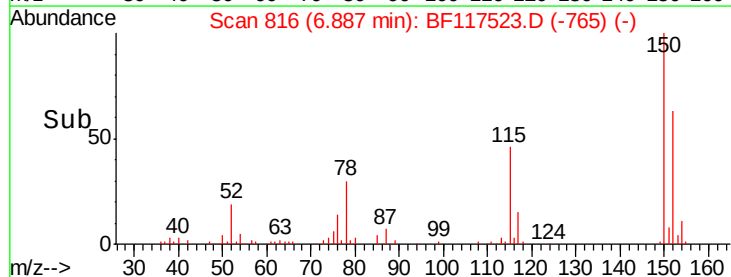
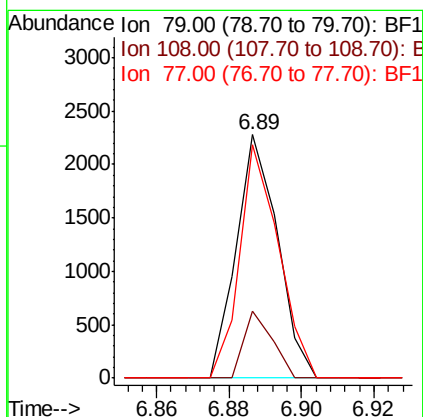
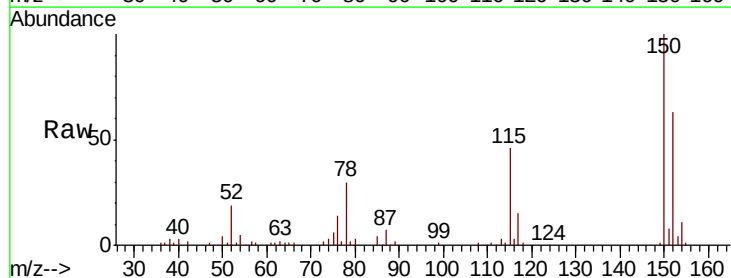
Instrument :
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198-27-(0-1.8)

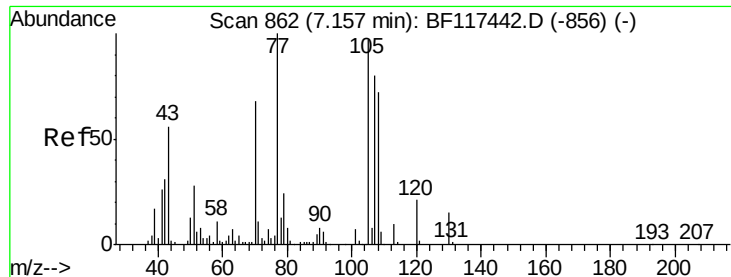
Tot Ion: 94 Resp: 1251
Ion Ratio Lower Upper
94 100
65 83.5 23.4 63.4#
66 222.8 54.7 94.7#



#15
Benzyl Alcohol
Concen: 0.470 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion: 79 Resp: 1819
Ion Ratio Lower Upper
79 100
108 27.5 59.8 89.8#
77 96.0 51.4 77.0#

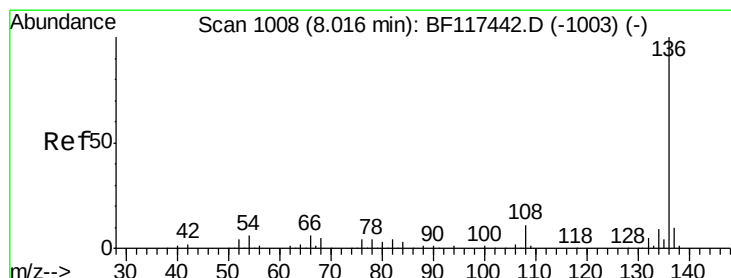
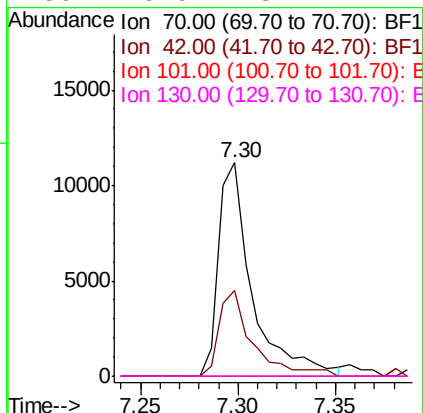
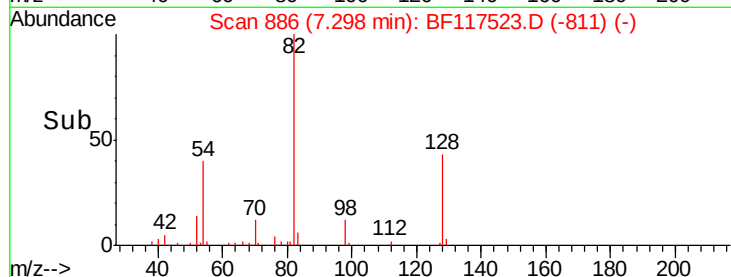
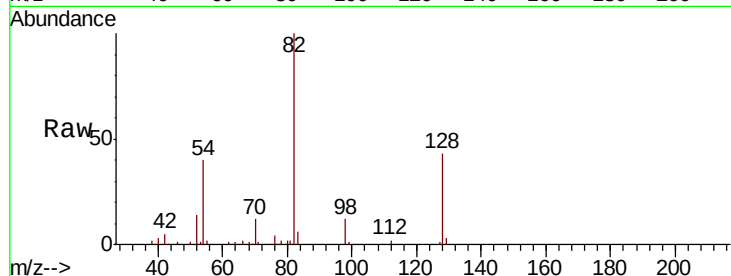




#19
n-Nitroso-di-n-propylamine
Concen: 4.044 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

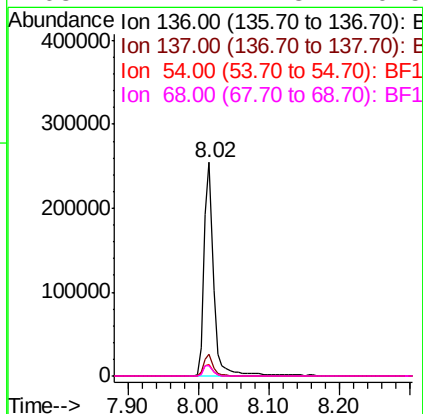
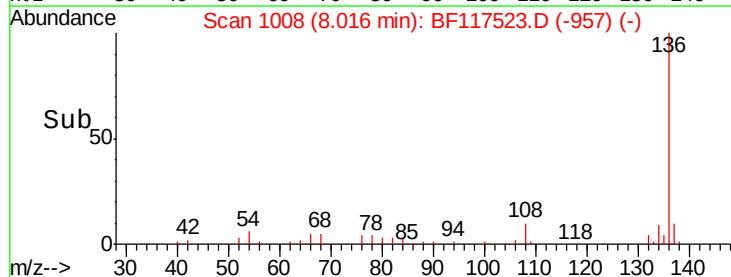
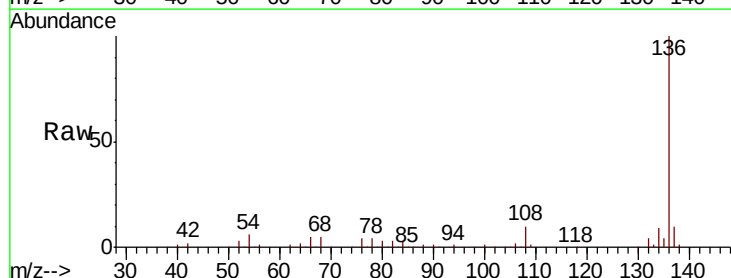
Instrument :
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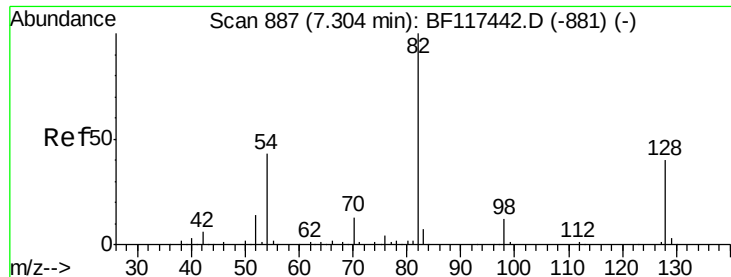
Tot Ion: 70 Resp: 13387
Ion Ratio Lower Upper
70 100
42 39.9 36.7 55.1
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion: 136 Resp: 241737
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.4
54 5.5 4.5 6.7
68 4.7 4.3 6.5

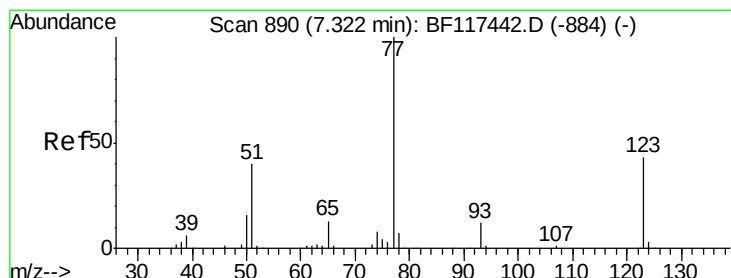
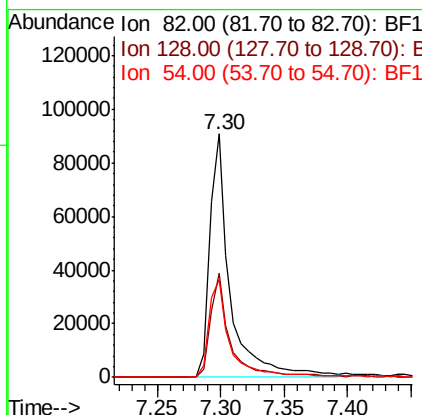
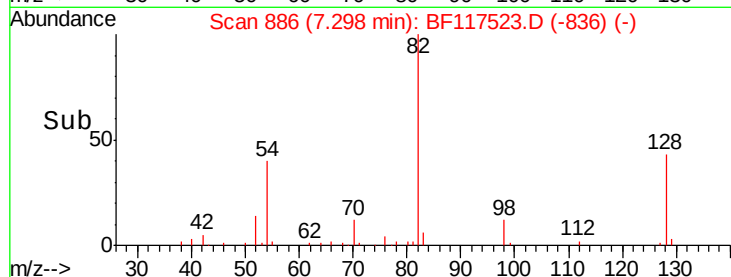
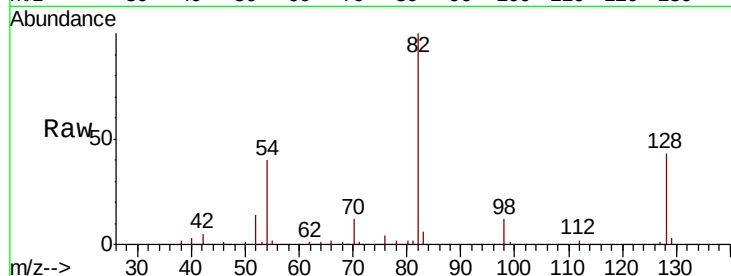




#23
Nitrobenzene-d5
Concen: 20.989 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

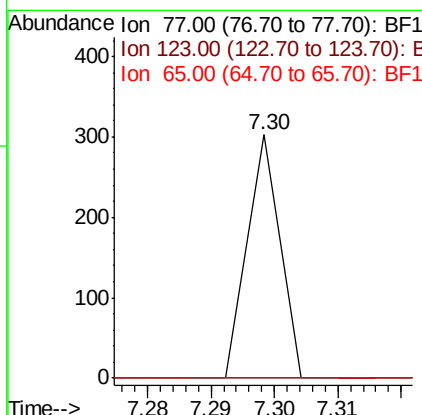
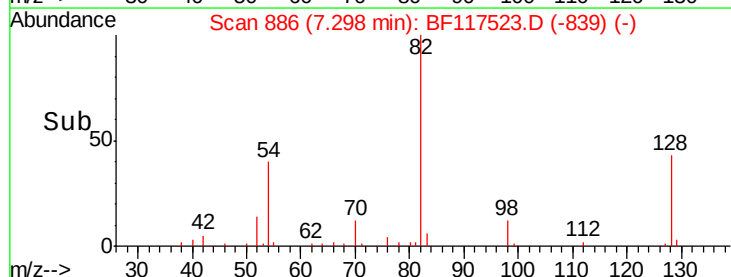
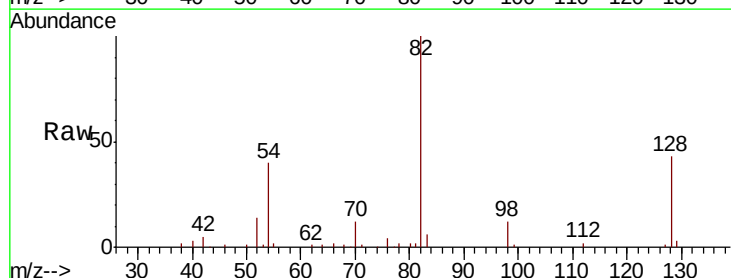
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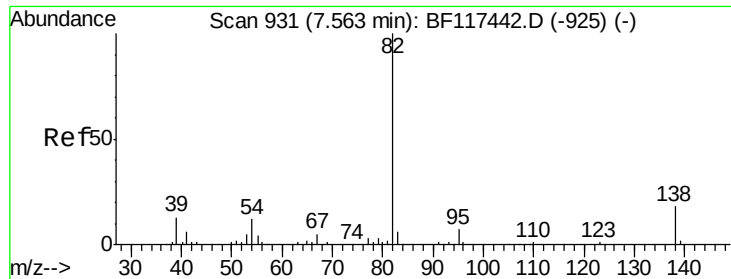
Tot Ion: 82 Resp: 102776
Ion Ratio Lower Upper
82 100
128 42.7 32.2 48.2
54 40.1 34.2 51.2



#24
Nitrobenzene
Concen: 0.023 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion: 77 Resp: 107
Ion Ratio Lower Upper
77 100
123 0.0 34.2 51.2#
65 0.0 10.3 15.5#





#25

Isophorone

Concen: 12.133 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

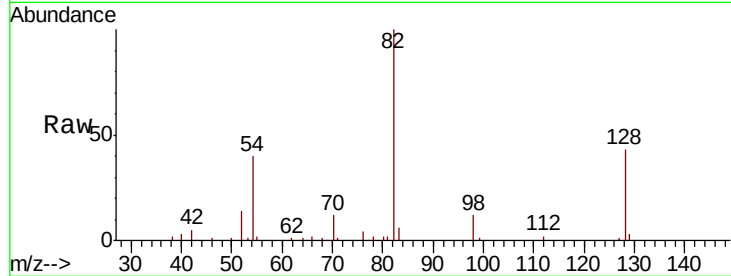
Tot Ion: 82 Resp: 102775

Ion Ratio Lower Upper

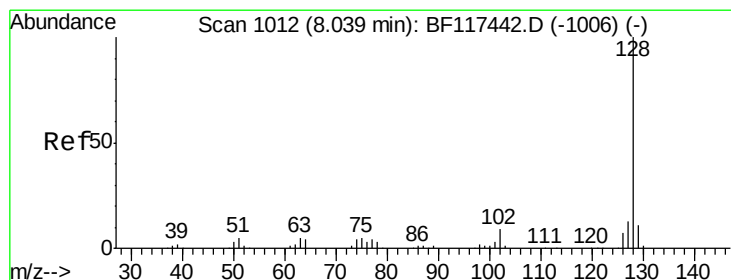
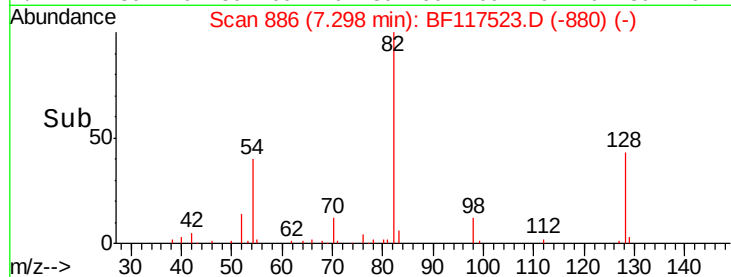
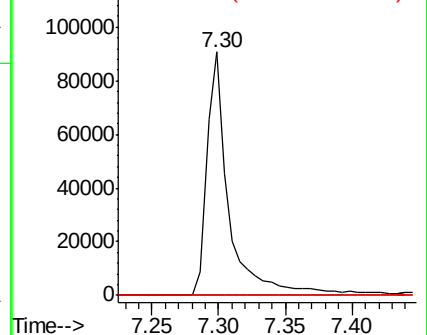
82 100

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: 0.126 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

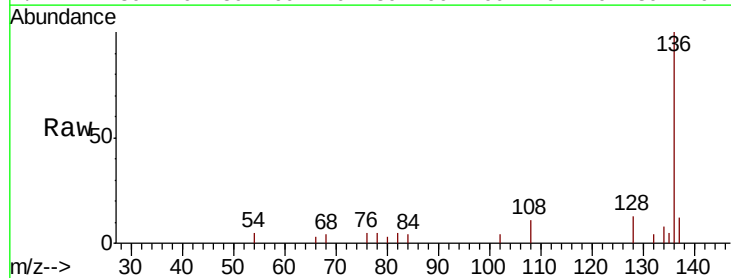
Tgt Ion: 128 Resp: 1513

Ion Ratio Lower Upper

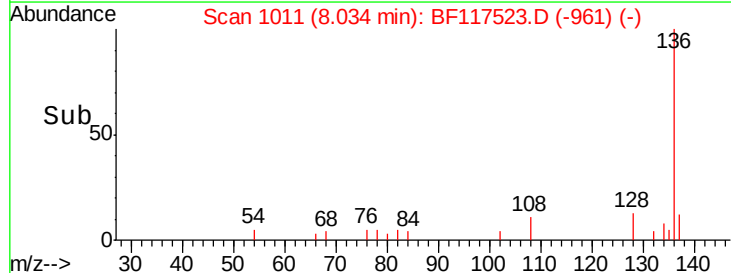
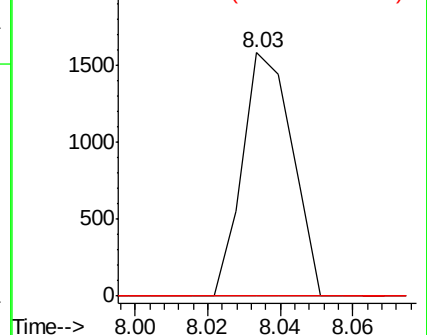
128 100

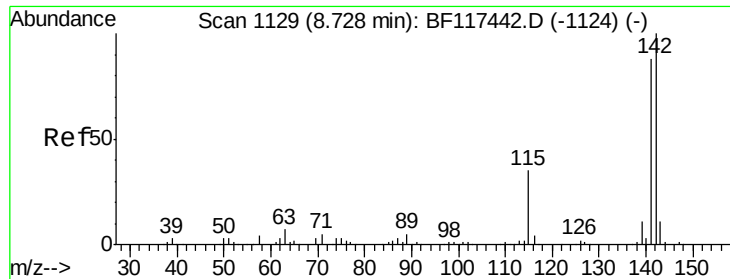
129 0.0 9.0 13.4#

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

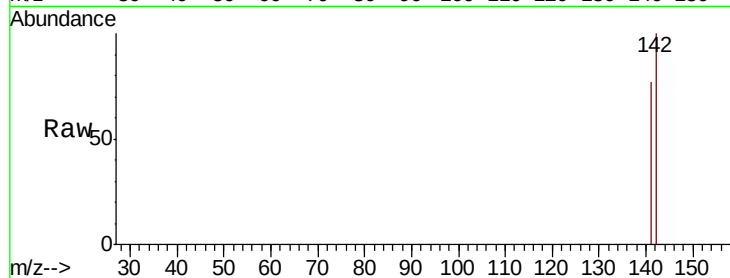




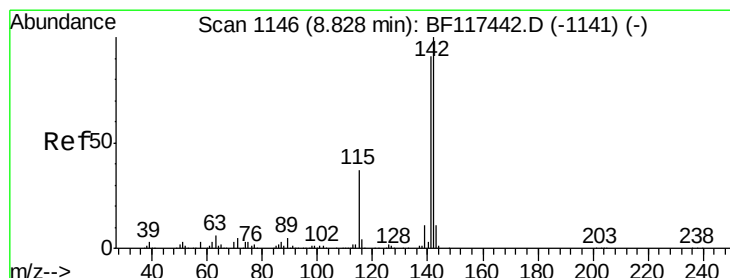
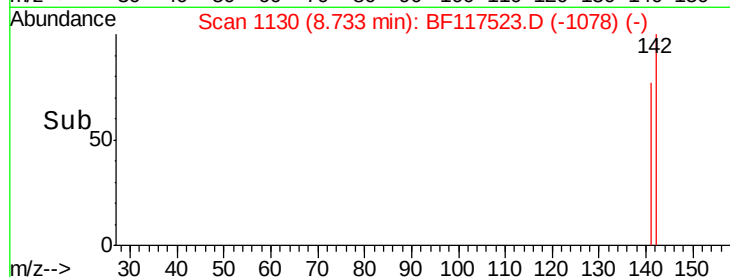
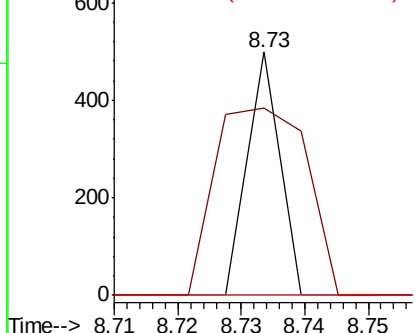
#37
 2-Methylnaphthalene
 Concen: 0.022 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion:142 Resp: 176
 Ion Ratio Lower Upper
 142 100
 141 77.0 70.3 105.5
 115 0.0 28.2 42.2#

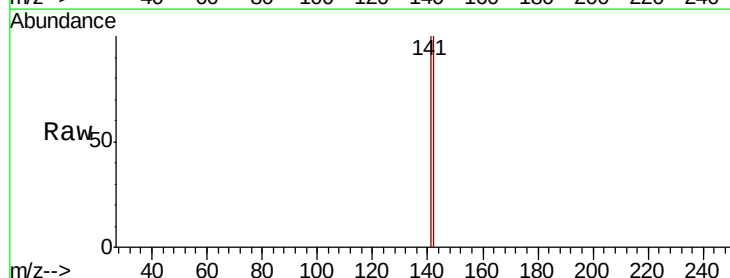


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

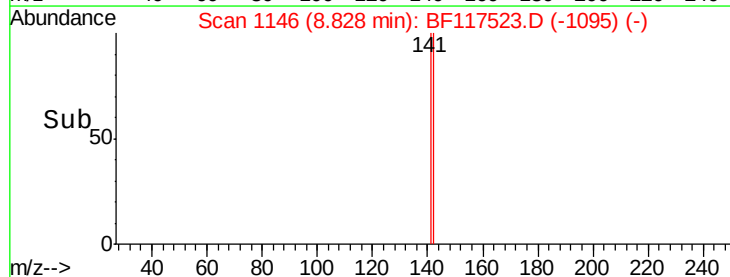
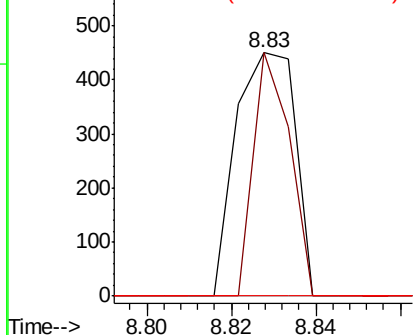


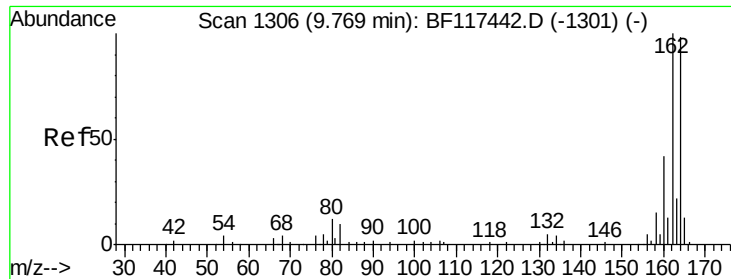
#38
 1-Methylnaphthalene
 Concen: 0.058 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion:142 Resp: 439
 Ion Ratio Lower Upper
 142 100
 141 100.2 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

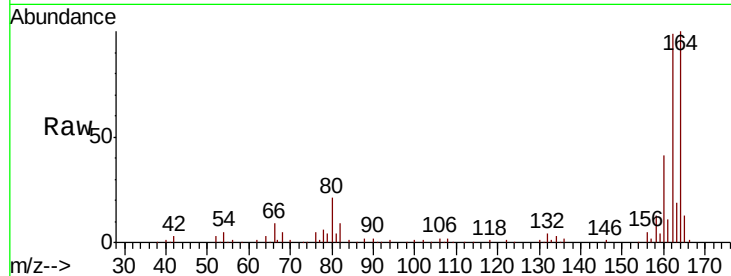




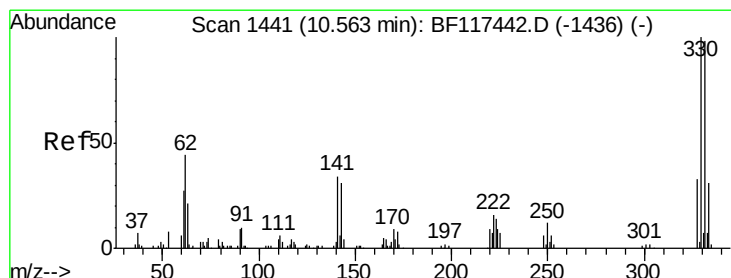
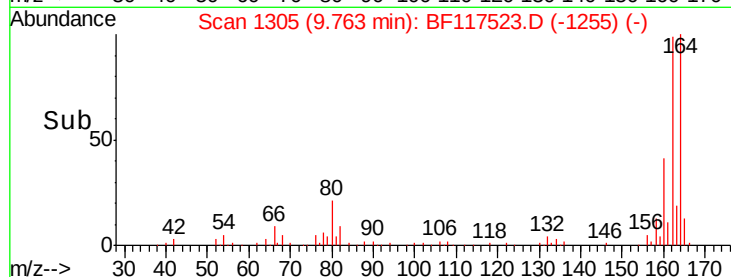
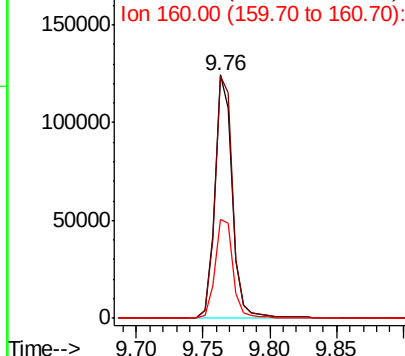
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion:164 Resp: 114905
Ion Ratio Lower Upper
164 100
162 99.4 81.8 122.6
160 40.6 34.4 51.6

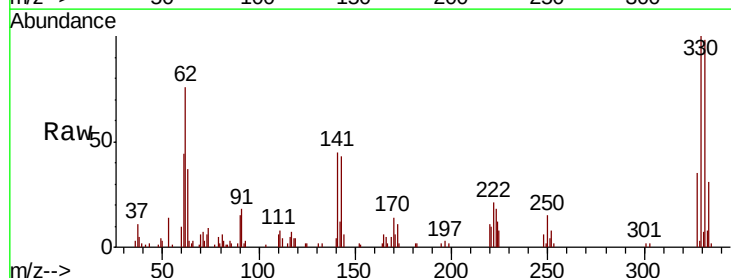


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

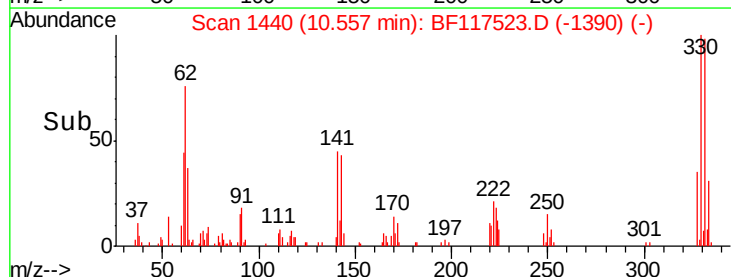
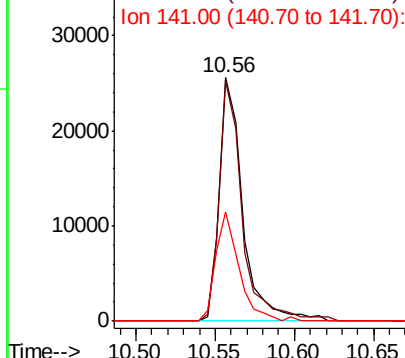


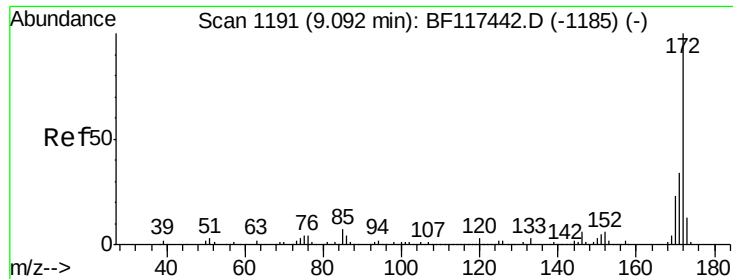
#42
2,4,6-Tribromophenol
Concen: 26.526 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:330 Resp: 26373
Ion Ratio Lower Upper
330 100
332 96.8 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

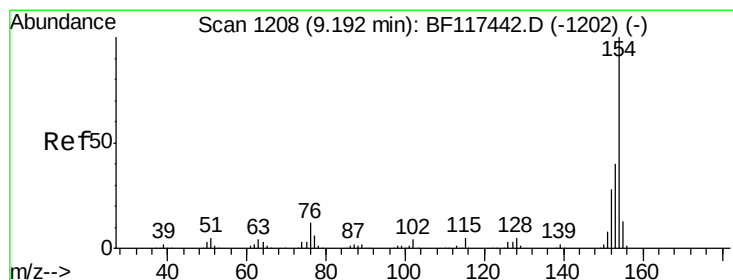
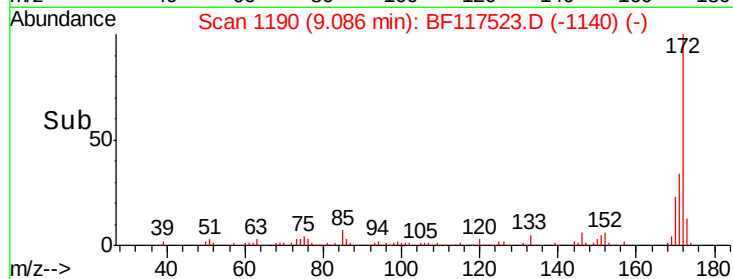
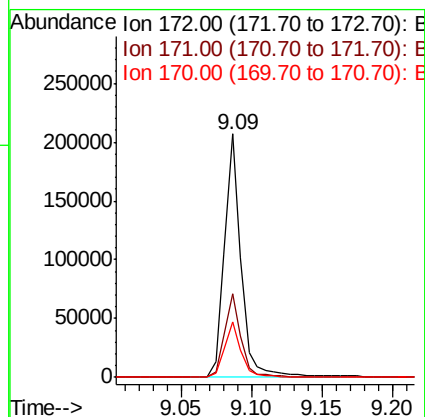
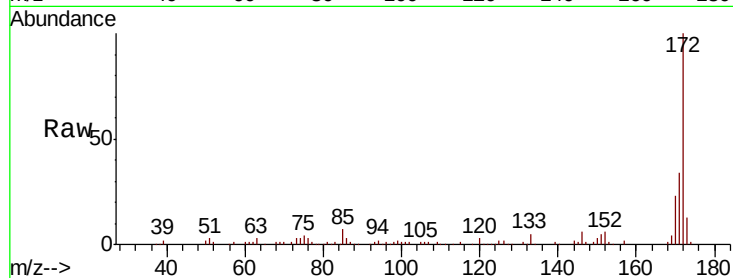




#45
2-Fluorobiphenyl
Concen: 20.875 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

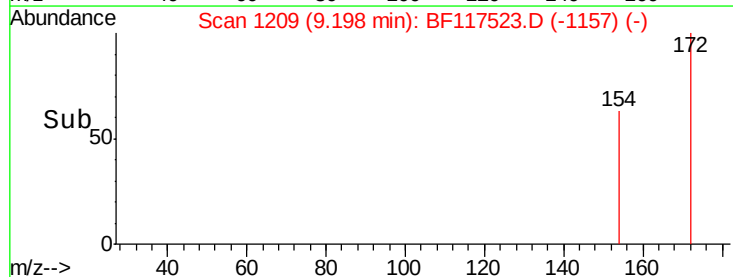
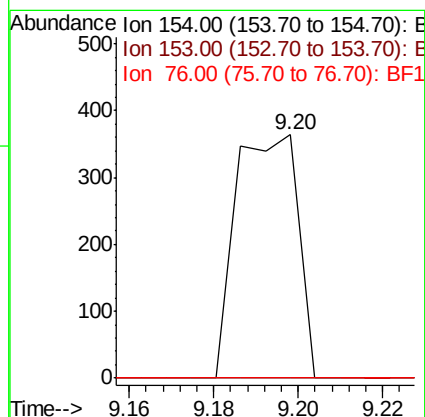
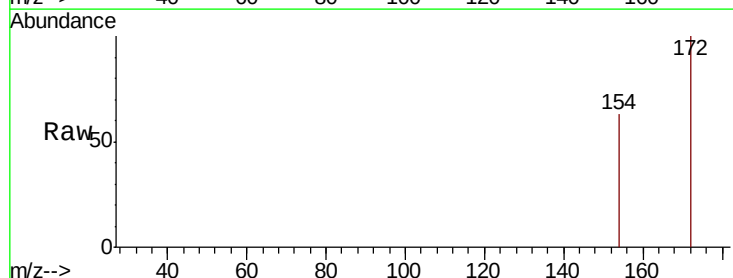
Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

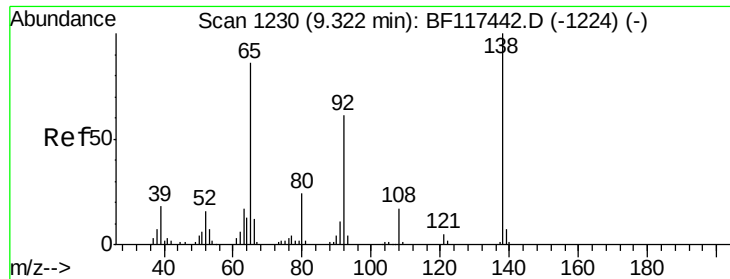
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	22.6	18.6	27.8



#46
1,1'-Biphenyl
Concen: 0.039 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

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

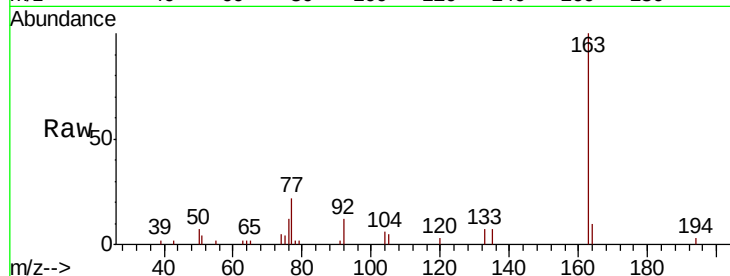




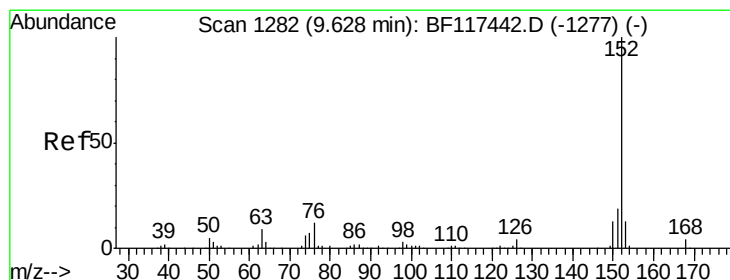
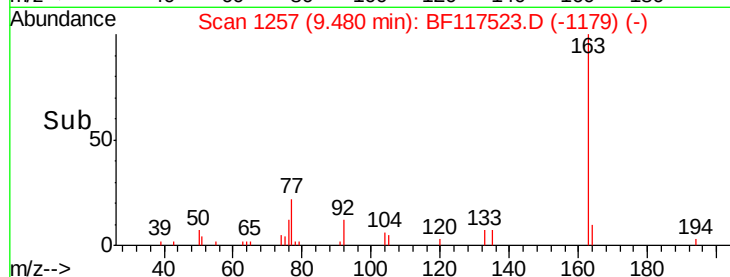
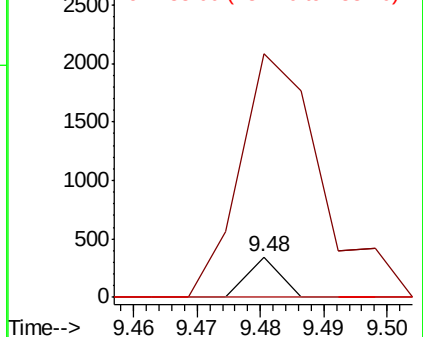
#48
2-Nitroaniline
Concen: 0.051 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion: 65 Resp: 121
Ion Ratio Lower Upper
65 100
92 606.7 57.3 85.9#
138 0.0 93.3 139.9#

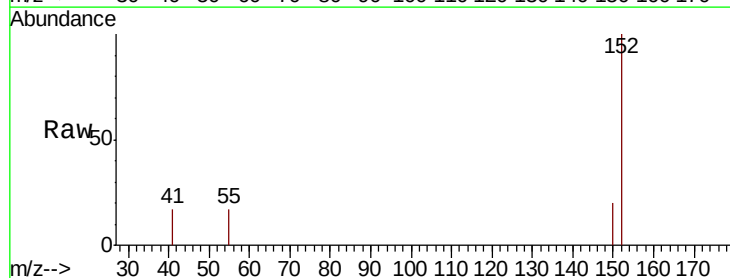


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

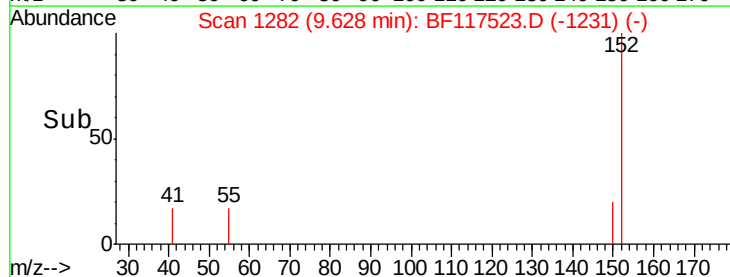
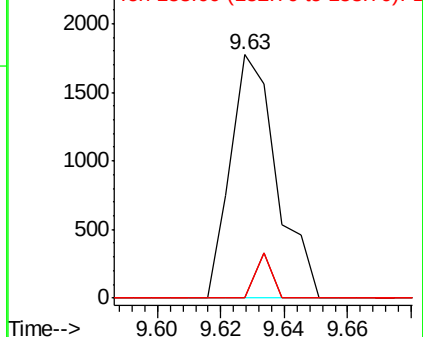


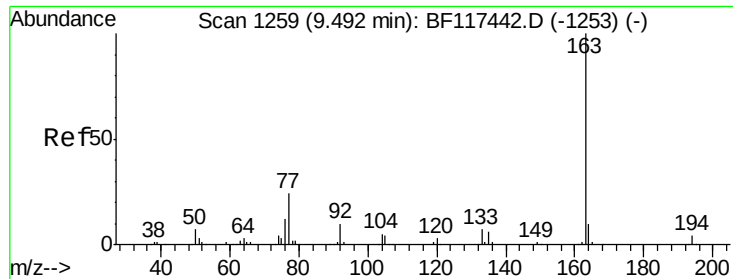
#49
Acenaphthylene
Concen: 0.170 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion: 152 Resp: 1795
Ion Ratio Lower Upper
152 100
151 0.0 15.4 23.0#
153 0.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.372 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

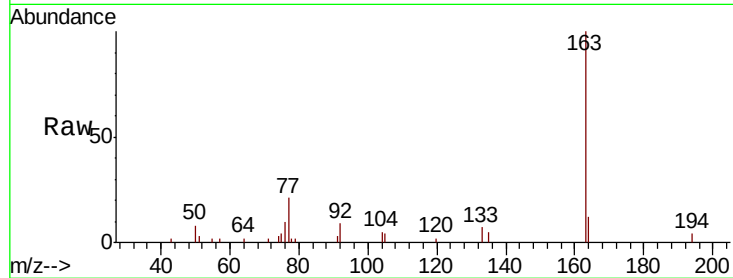
Tot Ion:163 Resp: 19431

Ion Ratio Lower Upper

163 100

194 4.3 2.9 4.3

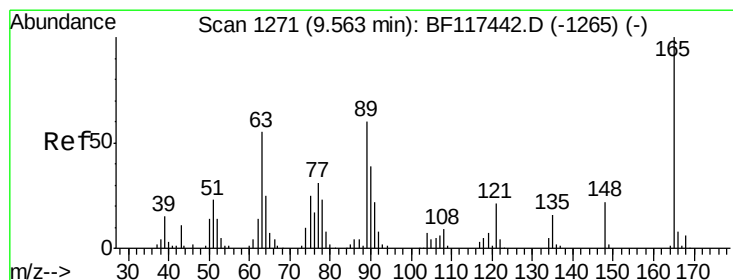
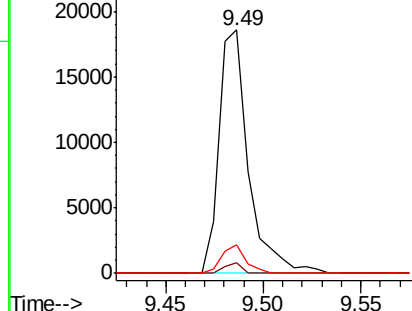
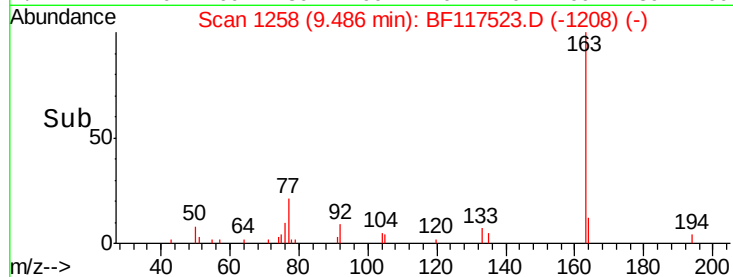
164 11.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.436 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

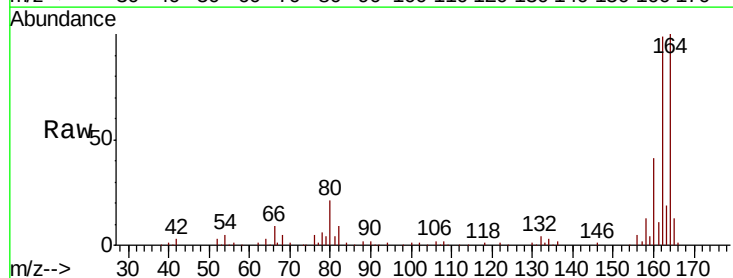
Tgt Ion:165 Resp: 14421

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

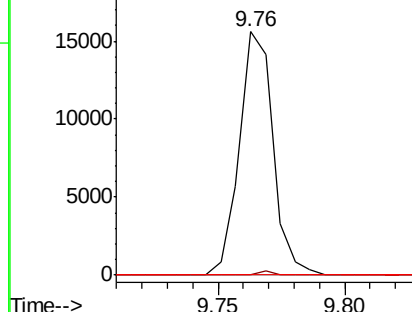
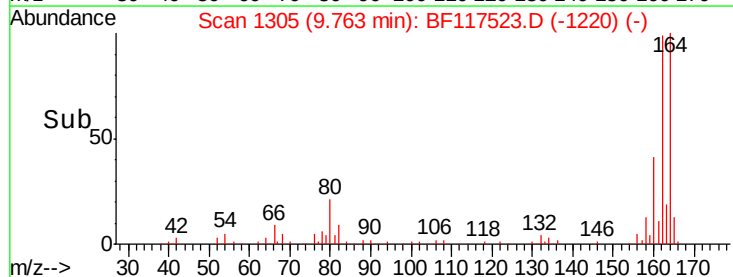
89 0.0 47.6 71.4#

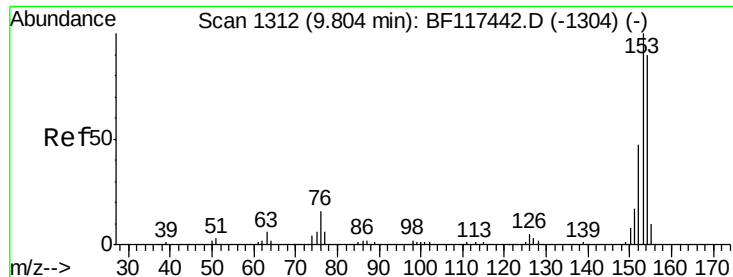


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.216 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

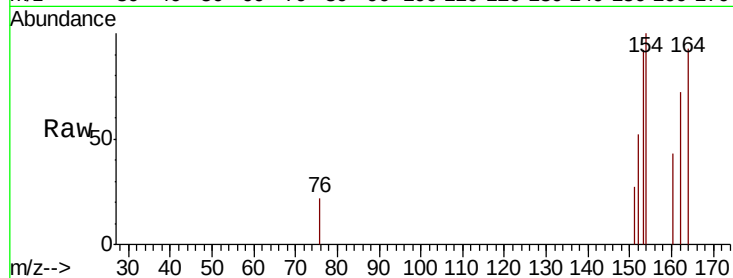
Tot Ion:154 Resp: 1393

Ion Ratio Lower Upper

154 100

153 92.4 89.2 133.8

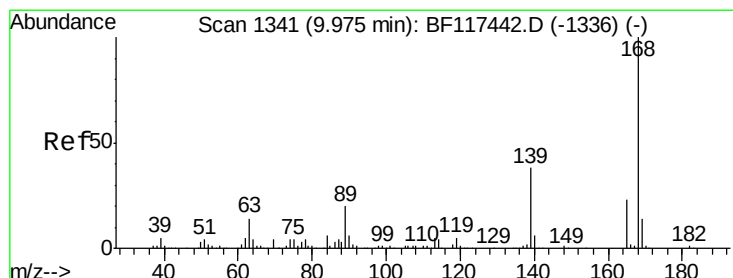
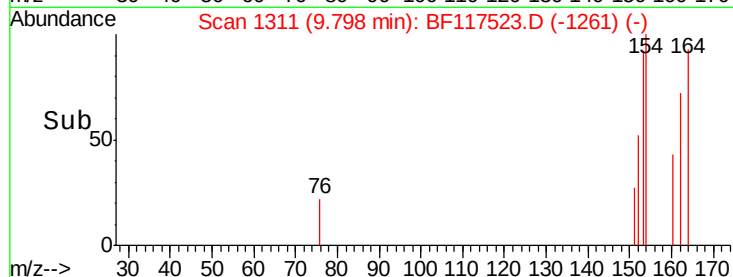
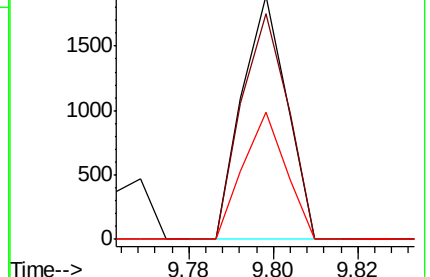
152 52.1 41.8 62.6



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: 0.120 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

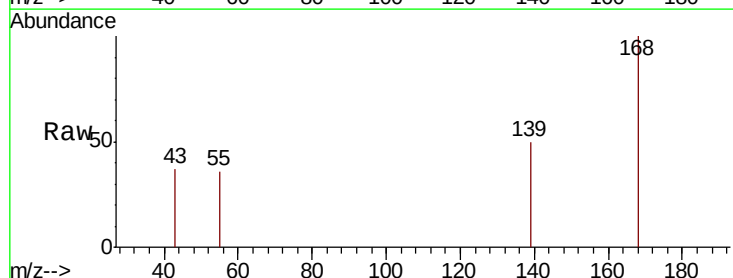
Tgt Ion:168 Resp: 1120

Ion Ratio Lower Upper

168 100

139 49.9 31.8 47.6#

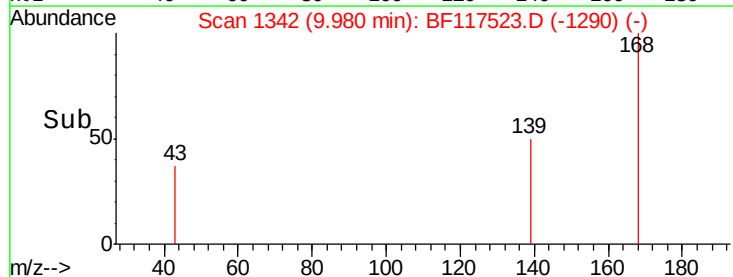
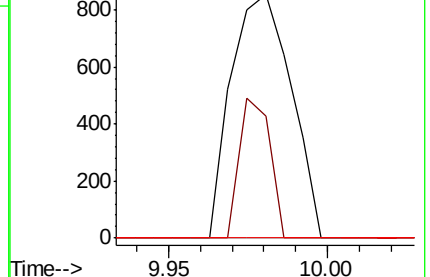
169 0.0 11.2 16.8#

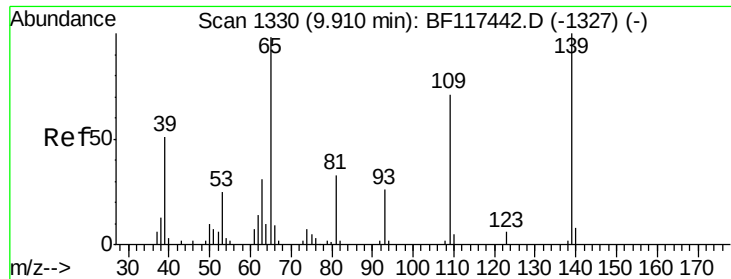


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

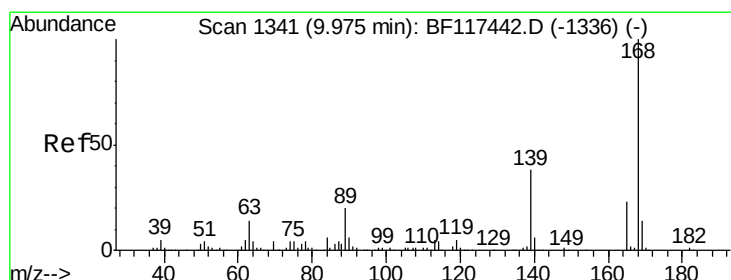
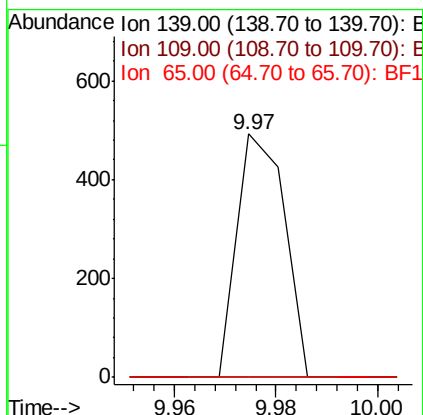
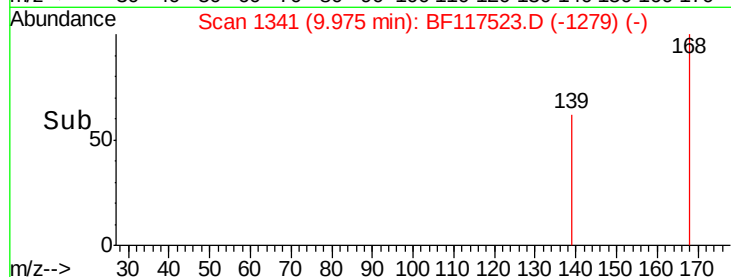
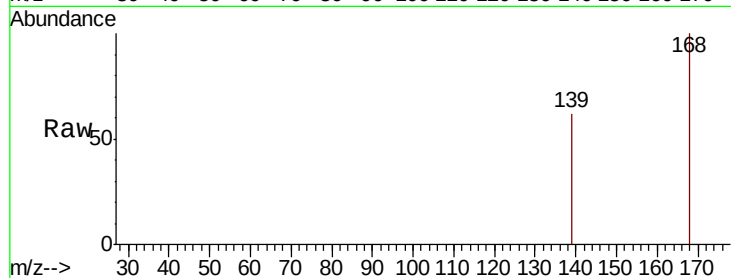




#56
4-Nitrophenol
Concen: 4.452 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

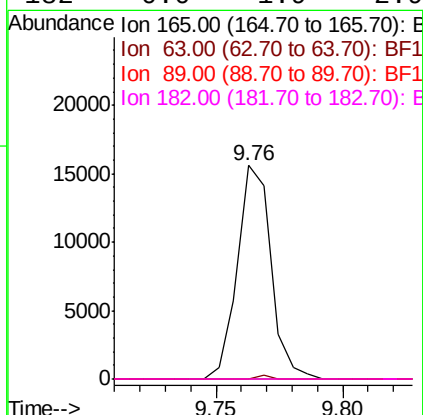
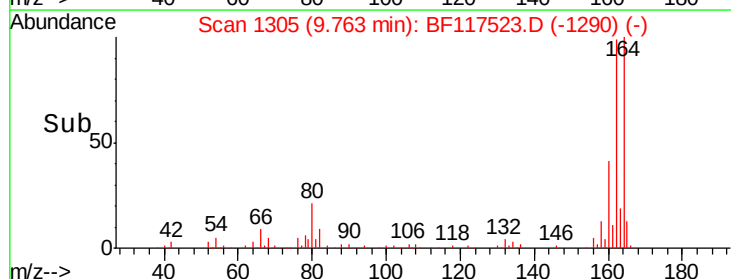
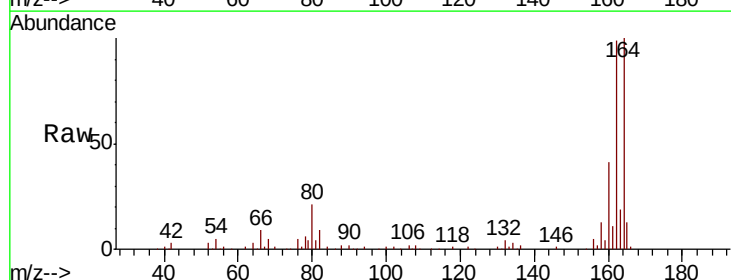
Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

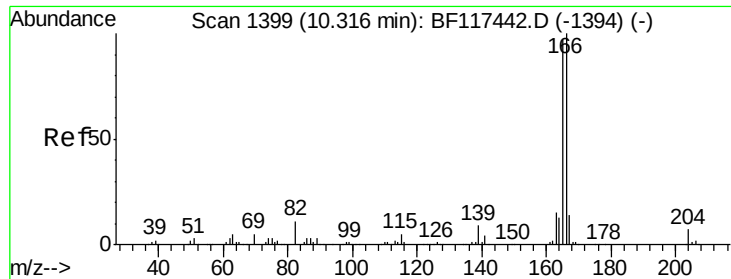
Tot Ion:139 Resp: 324
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#



#57
2,4-Dinitrotoluene
Concen: 6.345 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:165 Resp: 14421
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#

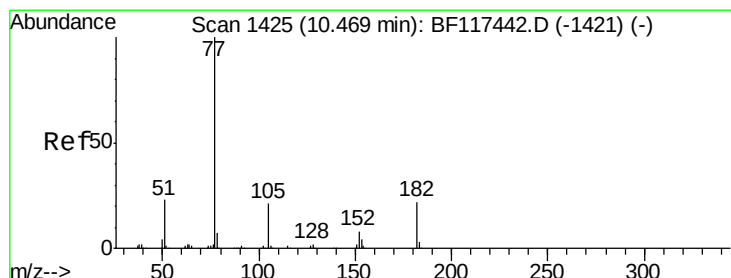
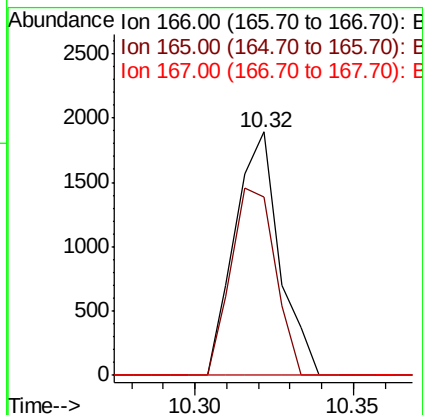
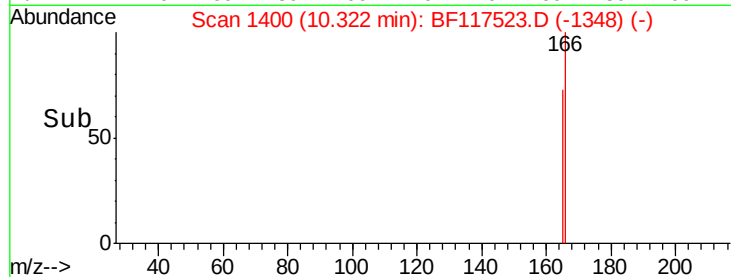
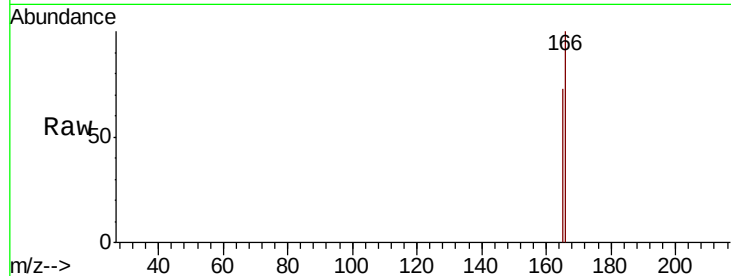




#58
 Fluorene
 Concen: 0.238 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

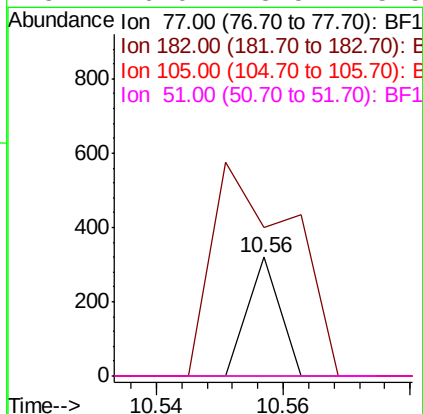
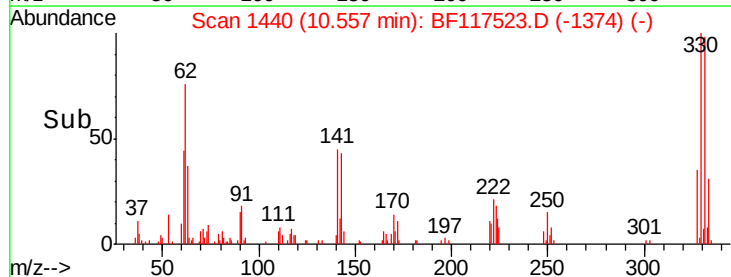
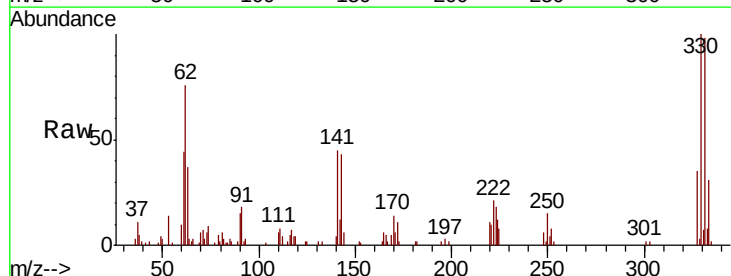
Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

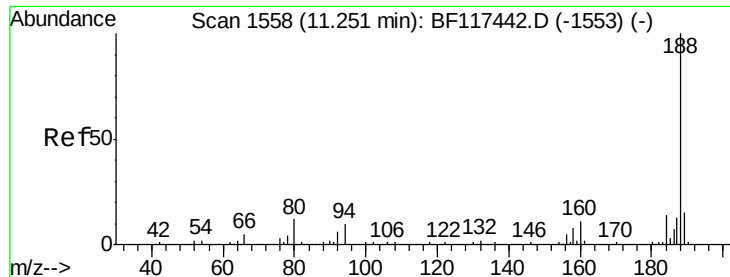
Tot Ion:166 Resp: 1844
 Ion Ratio Lower Upper
 166 100
 165 73.2 77.6 116.4#
 167 0.0 11.0 16.4#



#63
 Azobenzene
 Concen: 0.013 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.09 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion: 77 Resp: 113
 Ion Ratio Lower Upper
 77 100
 182 125.3 2.3 42.3#
 105 0.0 1.3 41.3#
 51 0.0 3.5 43.5#

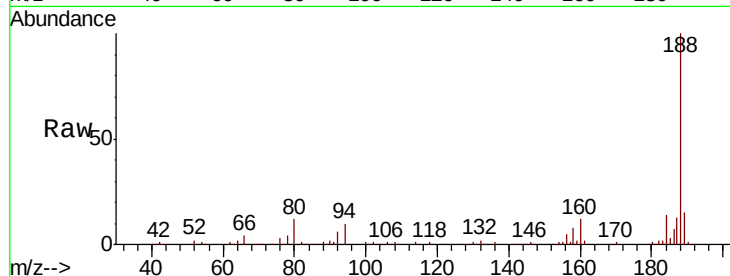




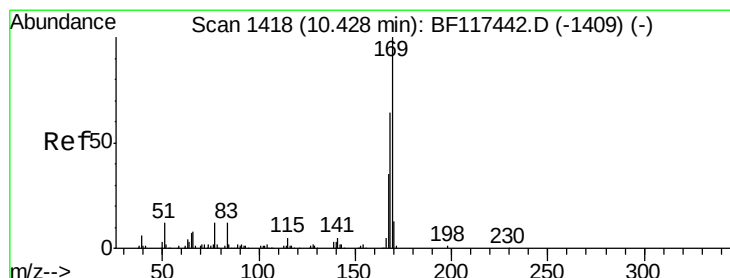
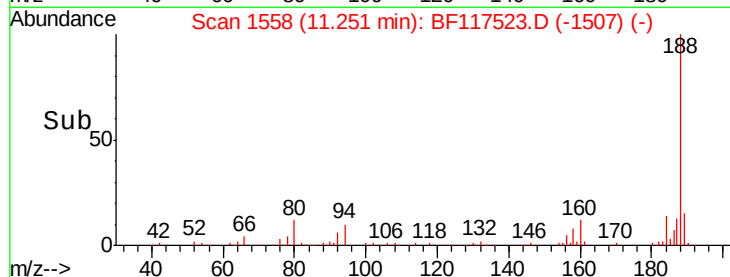
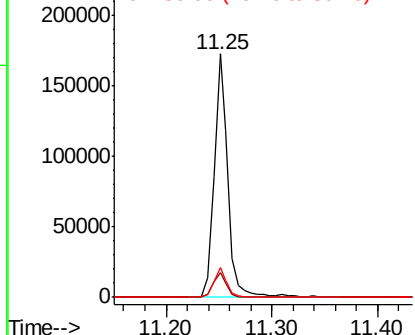
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion:188 Resp: 158321
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 12.0 9.5 14.3

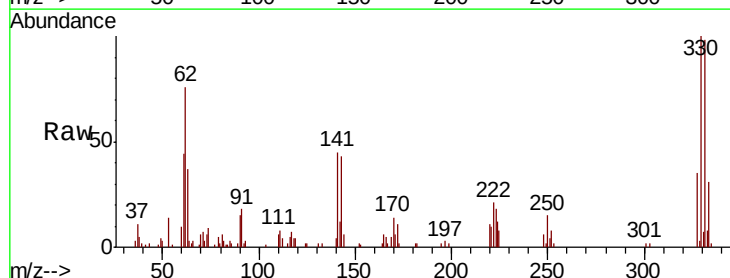


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

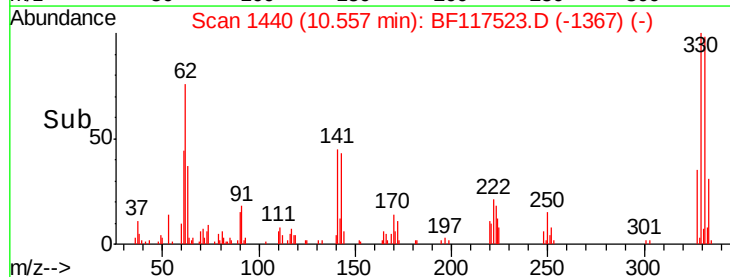
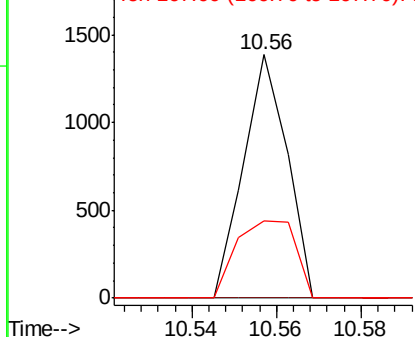


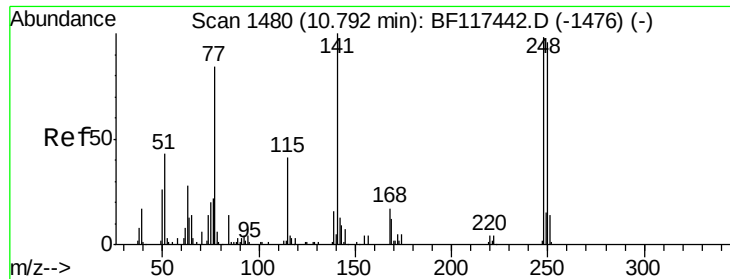
#66
n-Nitrosodiphenylamine
Concen: 0.172 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.13 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:169 Resp: 994
Ion Ratio Lower Upper
169 100
168 0.0 51.3 76.9#
167 31.8 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

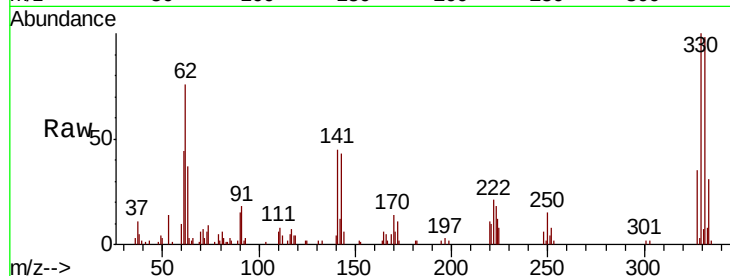




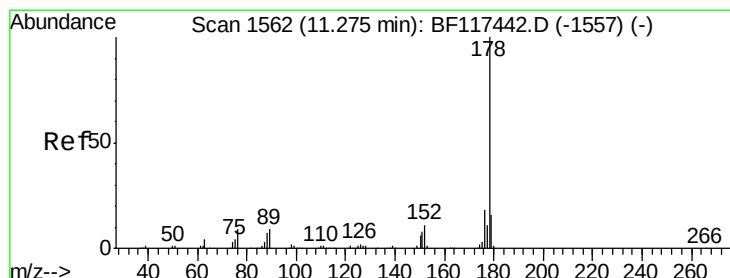
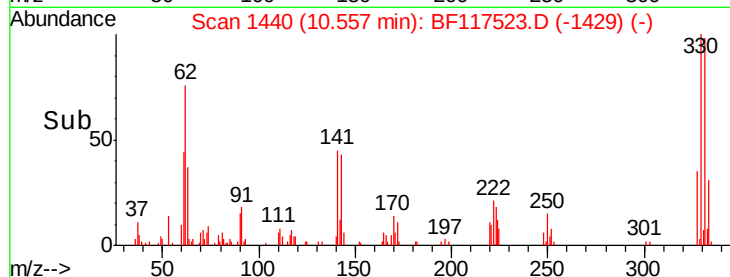
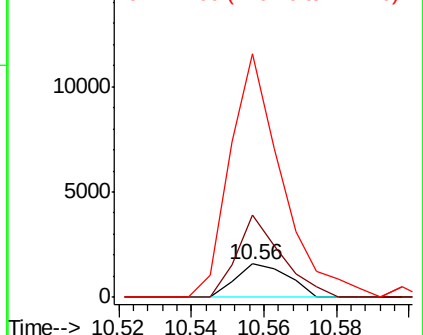
#67
 4-Bromophenyl-phenylether
 Concen: 0.934 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion:248 Resp: 1593
 Ion Ratio Lower Upper
 248 100
 250 244.5 78.0 117.0#
 141 727.7 81.7 122.5#

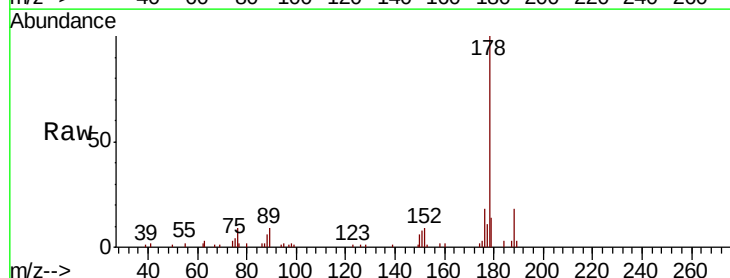


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

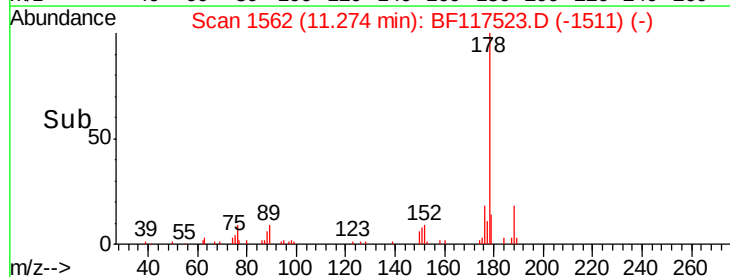
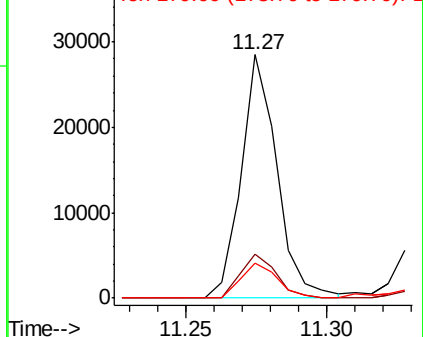


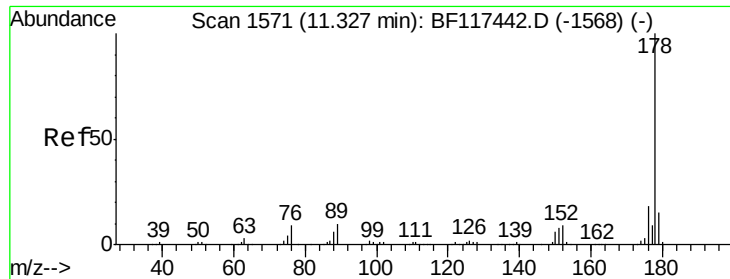
#71
 Phenanthrene
 Concen: 2.724 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion:178 Resp: 25042
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 14.5 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: 2.655 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

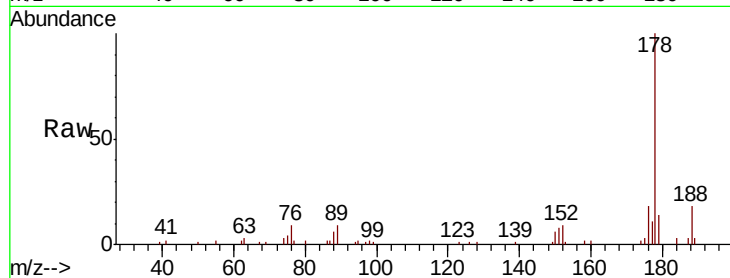
Tot Ion:178 Resp: 25042

Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

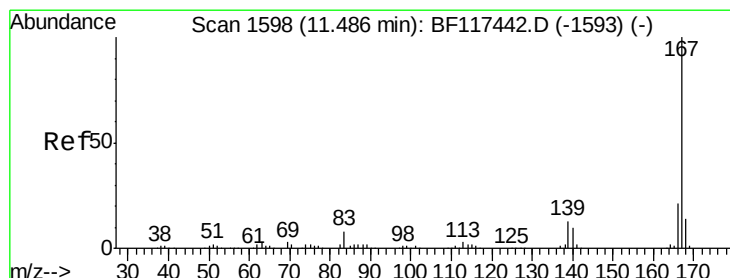
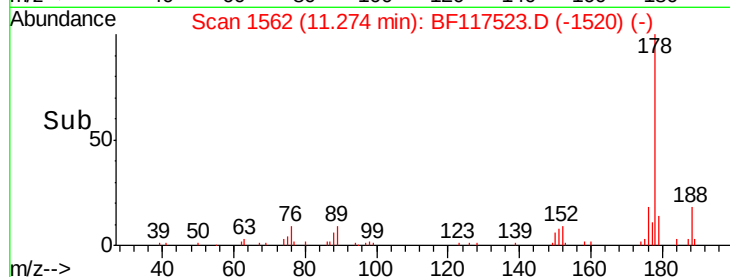
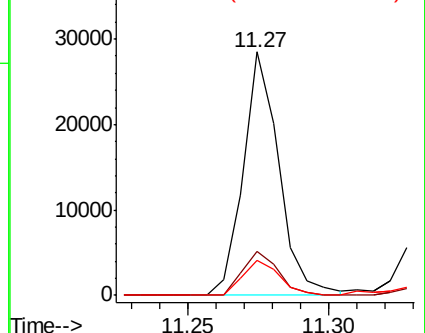
179 14.5 12.2 18.2



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: 0.277 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

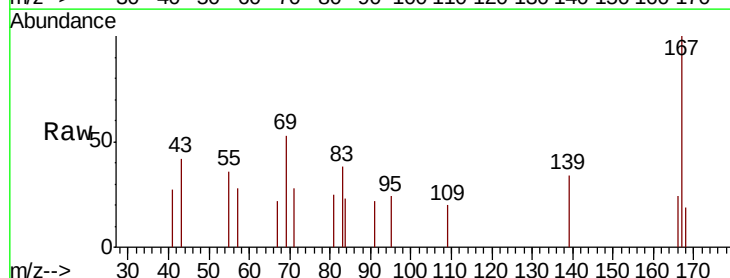
Tgt Ion:167 Resp: 2389

Ion Ratio Lower Upper

167 100

166 24.2 17.0 25.6

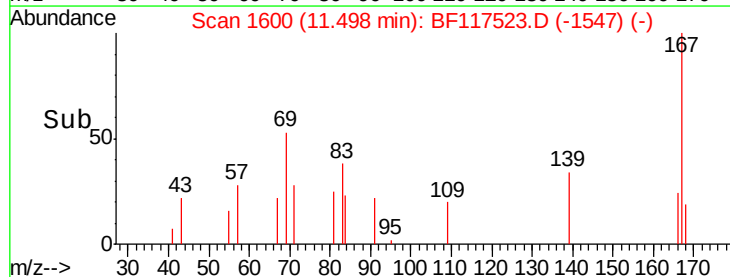
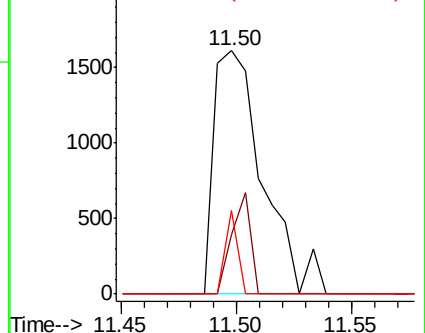
139 34.3 10.6 16.0#

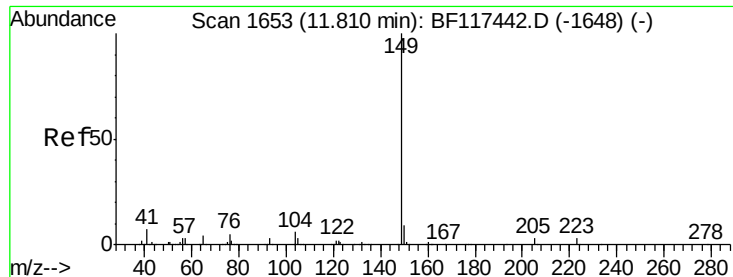


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.040 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

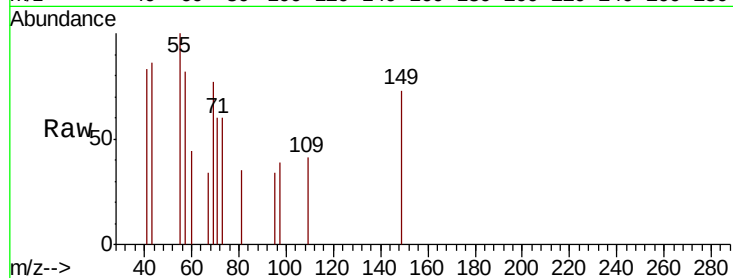
Tot Ion:149 Resp: 461

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

11.81

600

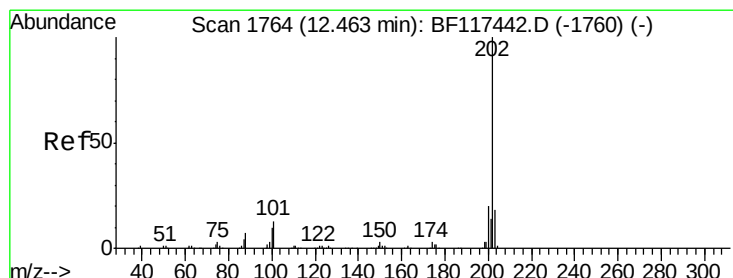
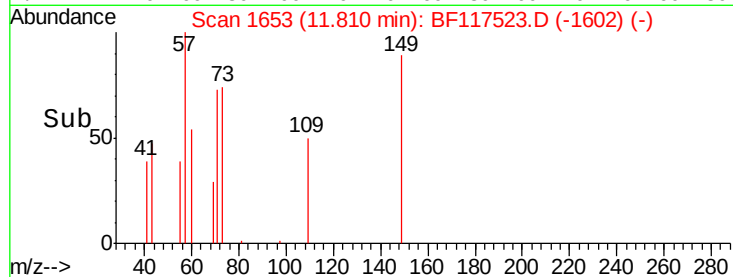
400

200

0

11.78 11.80 11.82

Time-->



#75

Fluoranthene

Concen: 4.845 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

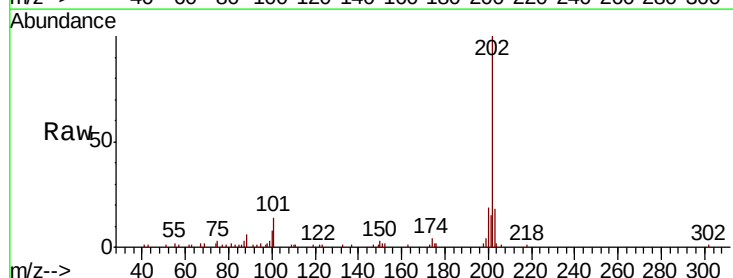
Tgt Ion:202 Resp: 44593

Ion Ratio Lower Upper

202 100

101 14.0 0.0 32.7

203 17.9 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

12.47

60000

50000

40000

30000

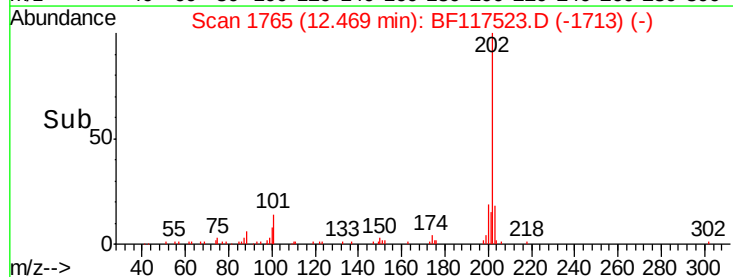
20000

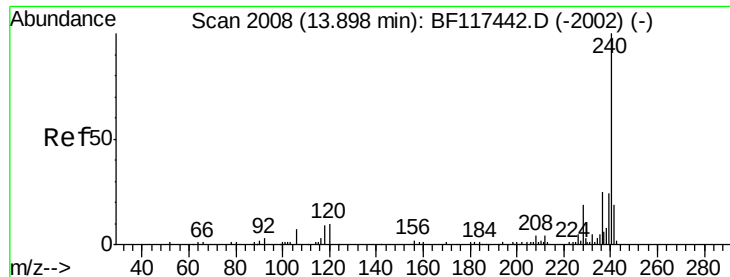
10000

0

12.40 12.50

Time-->

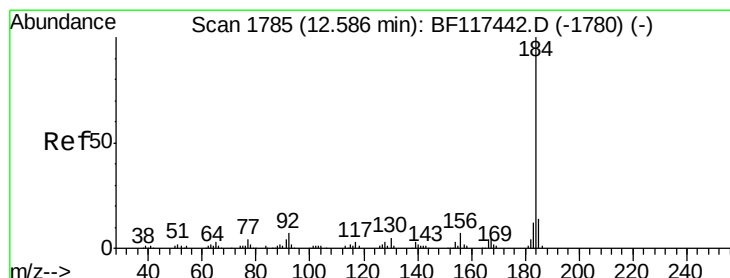
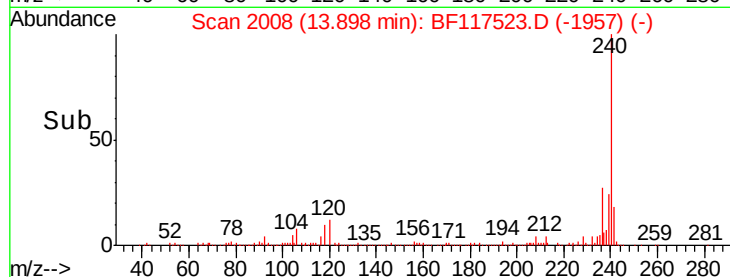
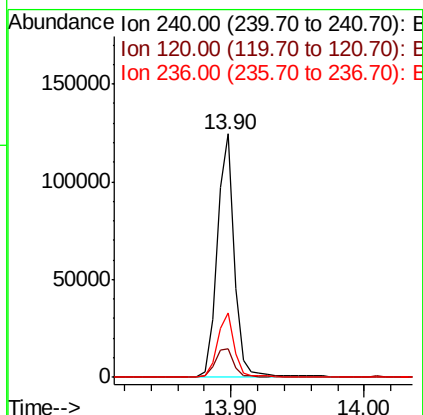
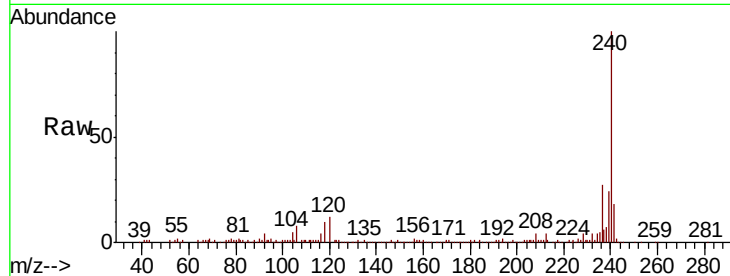




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

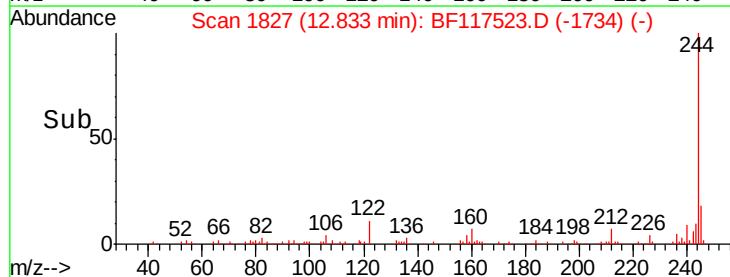
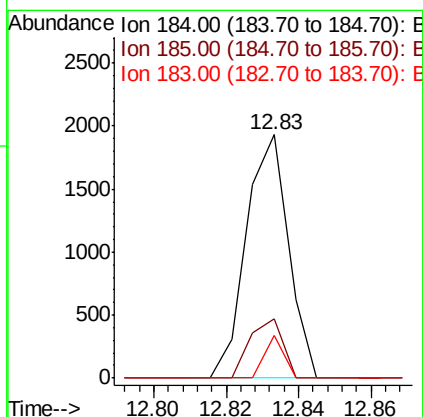
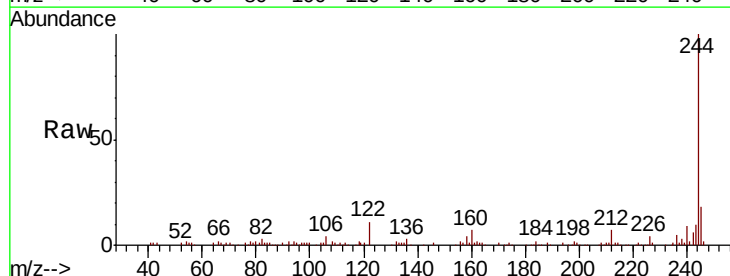
Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

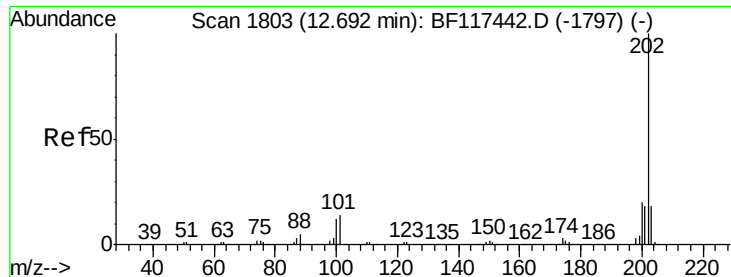
Tot Ion:240 Resp: 113071
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 26.6 20.0 30.0



#77
Benzidine
Concen: Below Cal
RT: 12.83 min Scan# 1827
Delta R.T. 0.25 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:184 Resp: 1555
Ion Ratio Lower Upper
184 100
185 24.3 11.4 17.0#
183 17.7 9.6 14.4#

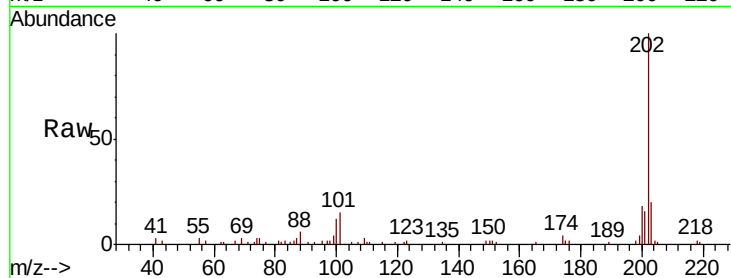




#78
Pvrene
Concen: 3.996 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.3	16.2	24.2
203	19.7	14.0	21.0

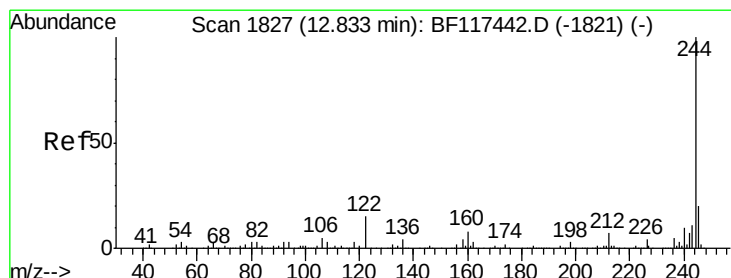
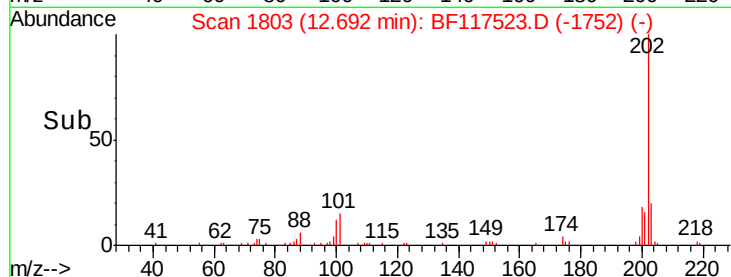
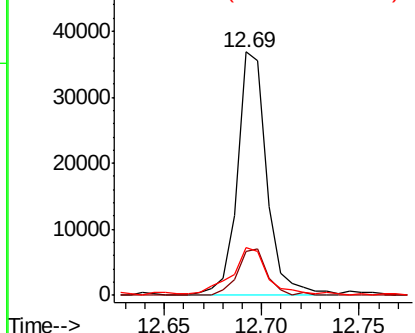


Abundance

Ion 202.00 (201.70 to 202.70): E

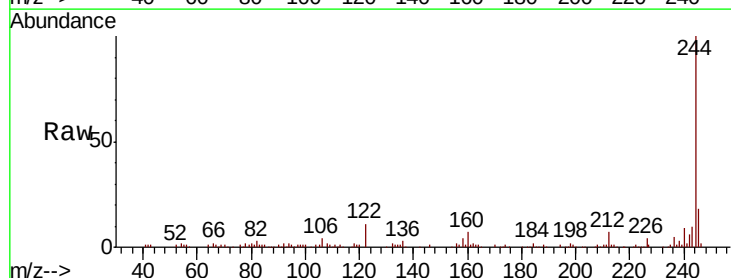
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 15.832 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.1	11.8	17.8#

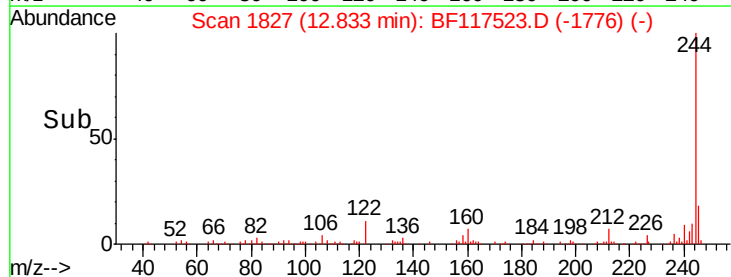
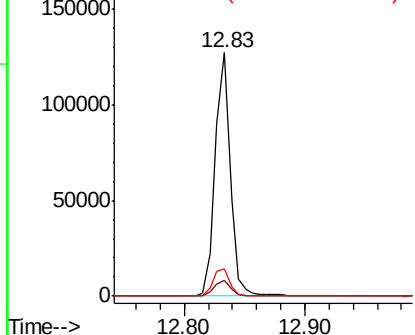


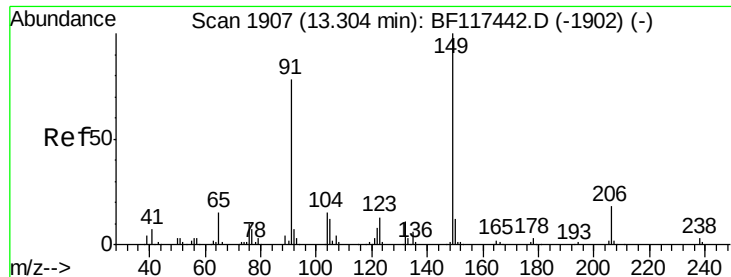
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

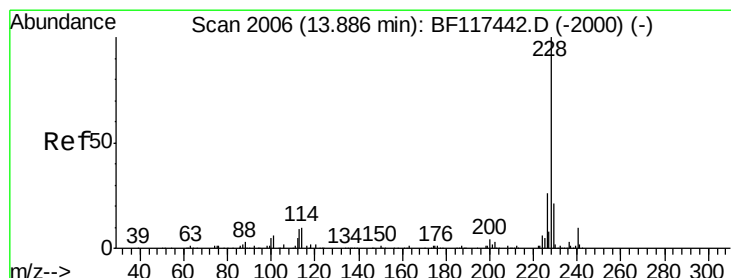
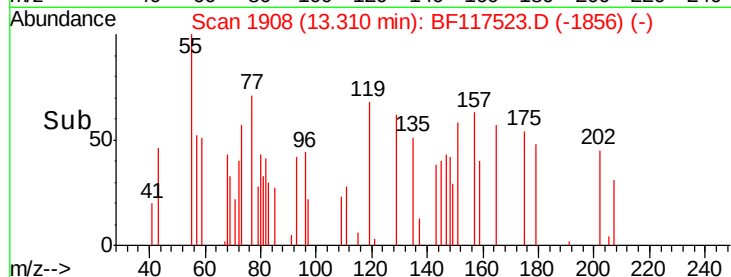
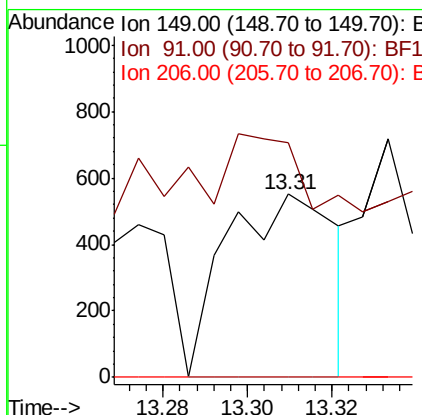
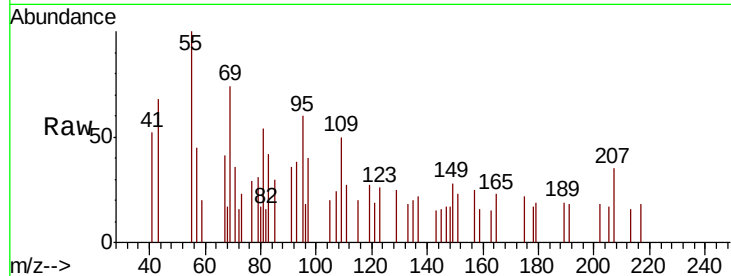




#80
Butylbenzylphthalate
Concen: 0.204 ng
RT: 13.31 min Scan# 1908
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

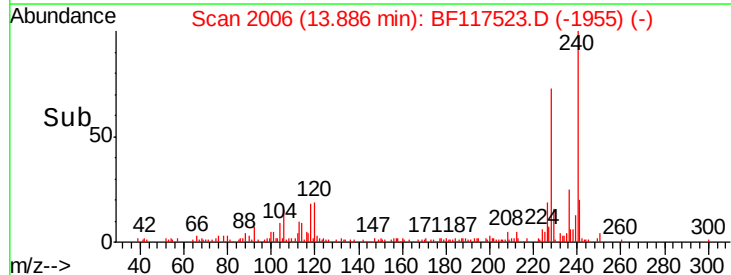
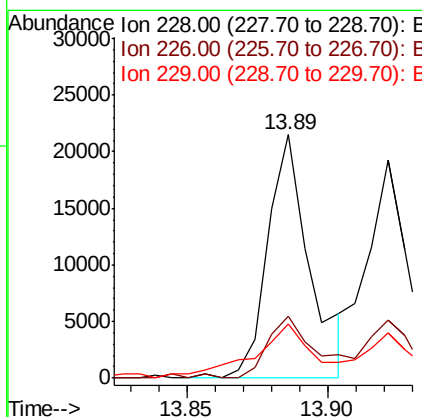
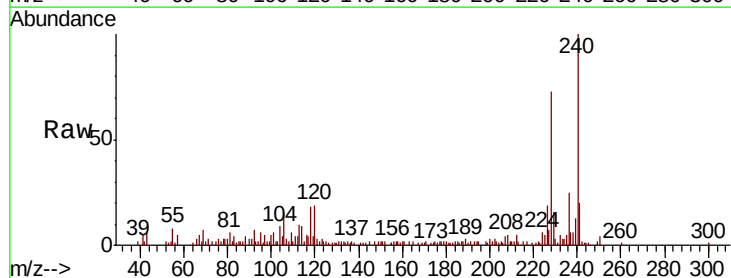
Instrument :
BNA_F
ClientSampled :
198-27-(0-1.8)

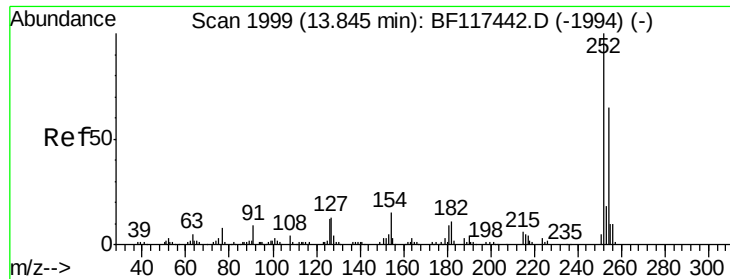
Tot Ion:149 Resp: 985
Ion Ratio Lower Upper
149 100
91 128.1 62.1 93.1#
206 0.0 14.3 21.5#



#81
Benzo(a)anthracene
Concen: 2.922 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:228 Resp: 22283
Ion Ratio Lower Upper
228 100
226 25.5 21.0 31.4
229 22.4 16.4 24.6

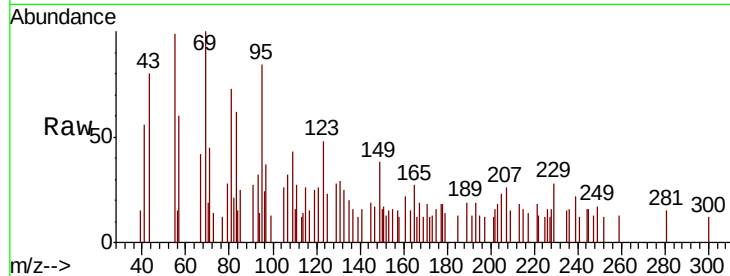




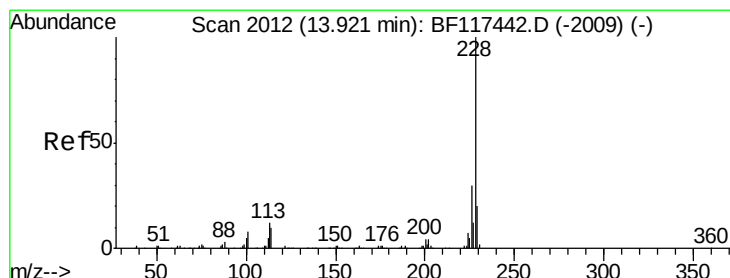
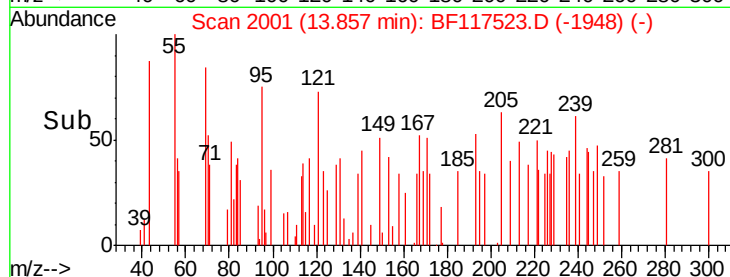
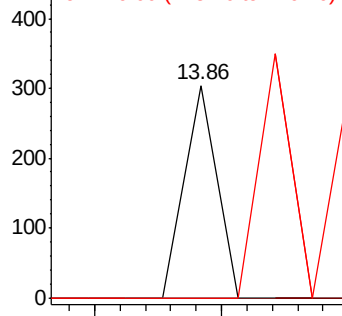
#82
 3,3'-Dichlorobenzidine
 Concen: 0.045 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion:252 Resp: 107
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.2 78.4#
 126 0.0 9.2 13.8#

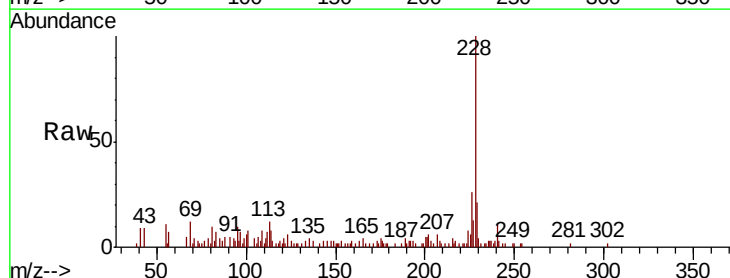


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

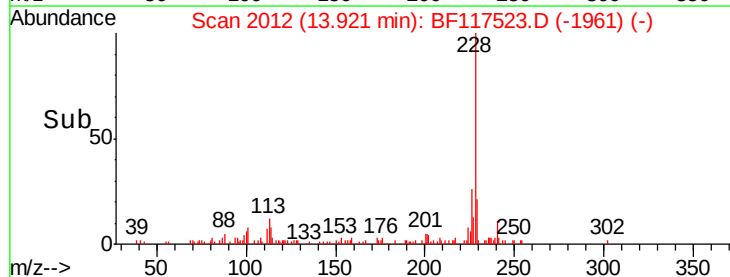
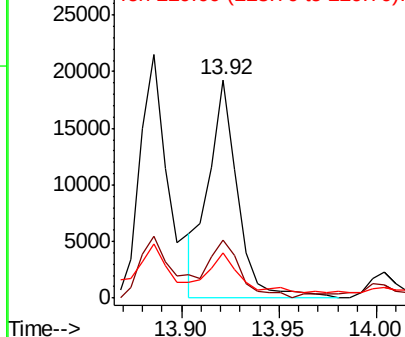


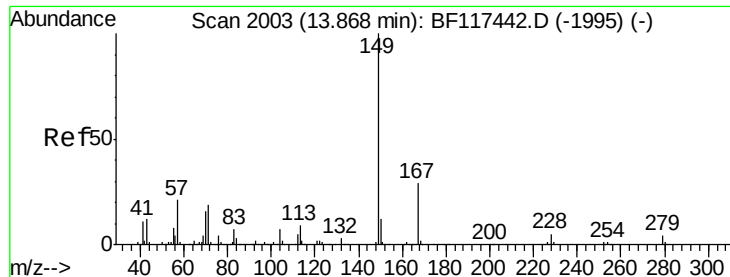
#83
 Chrysene
 Concen: 2.696 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion:228 Resp: 20154
 Ion Ratio Lower Upper
 228 100
 226 26.4 23.9 35.9
 229 20.8 15.8 23.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.222 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

ClientSampleId :

198-27-(0-1.8)

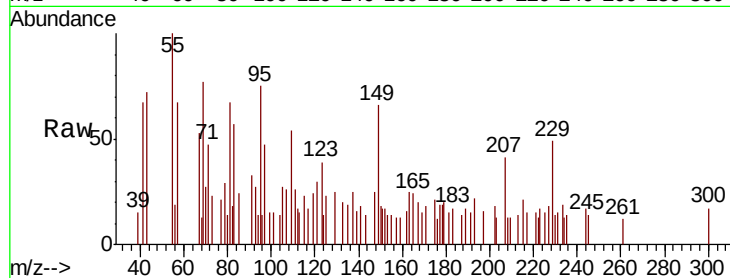
Tot Ion:149 Resp: 1505

Ion Ratio Lower Upper

149 100

167 31.0 23.3 34.9

279 0.0 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.86

1500

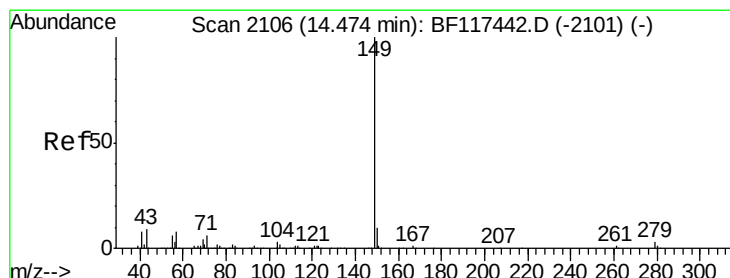
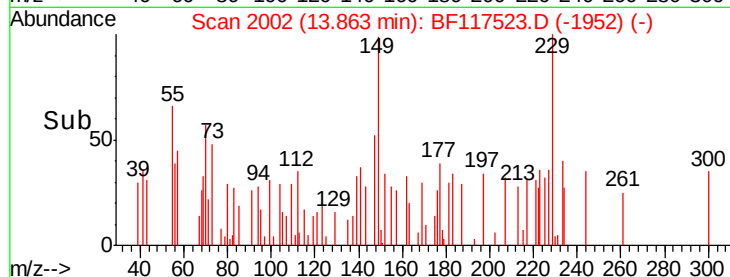
1000

500

0

13.80 13.85 13.90

Time-->



#85

Di-n-octyl phthalate

Concen: 0.045 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

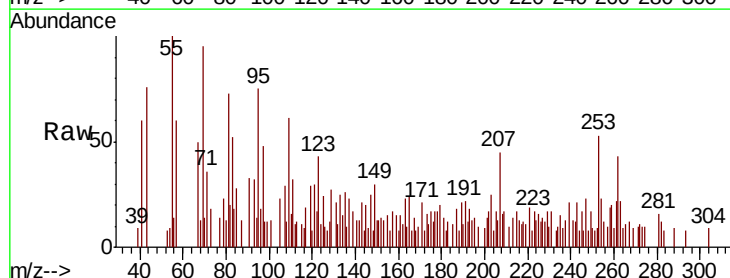
Tgt Ion:149 Resp: 465

Ion Ratio Lower Upper

149 100

167 317.4 1.2 1.8#

43 142.4 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

4000

3000

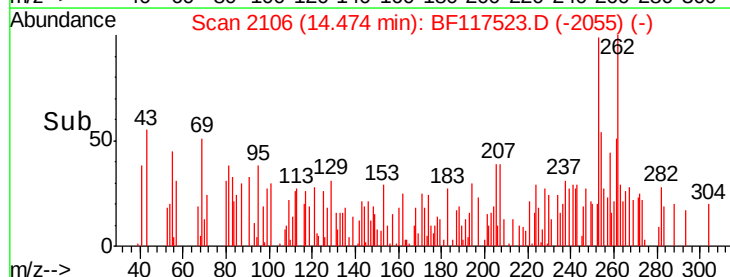
2000

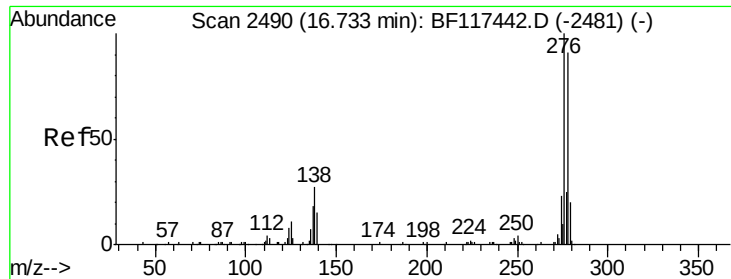
1000

0

14.44 14.46 14.48

Time-->

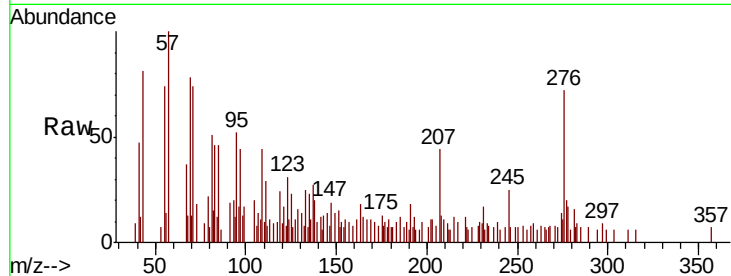




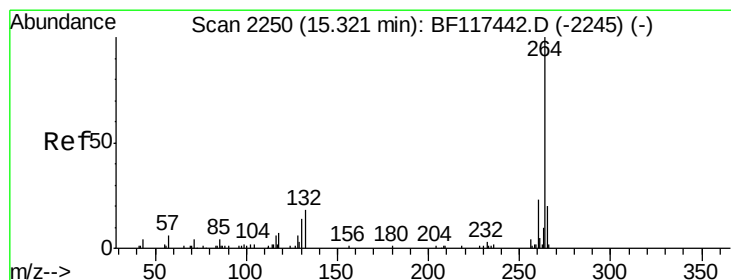
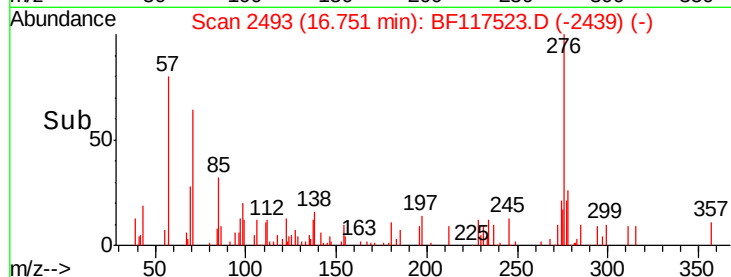
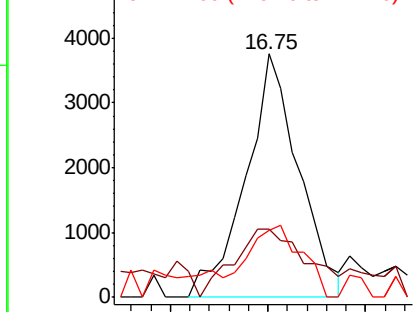
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.262 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.8	21.8	32.8#
277	29.9	20.0	30.0

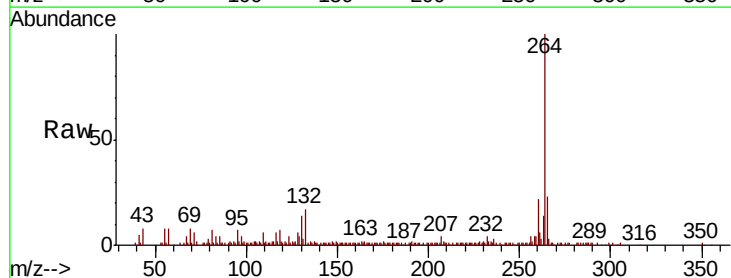


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

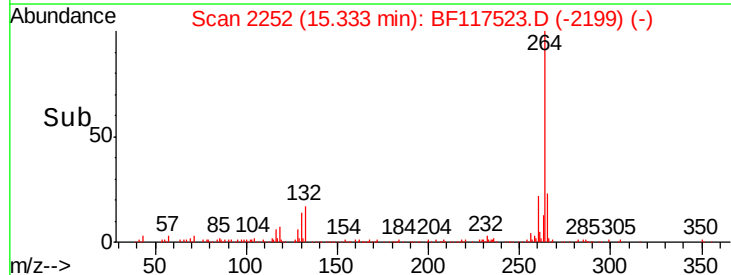
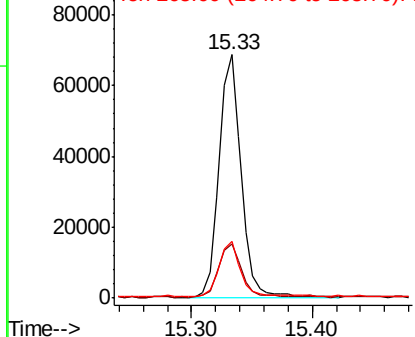


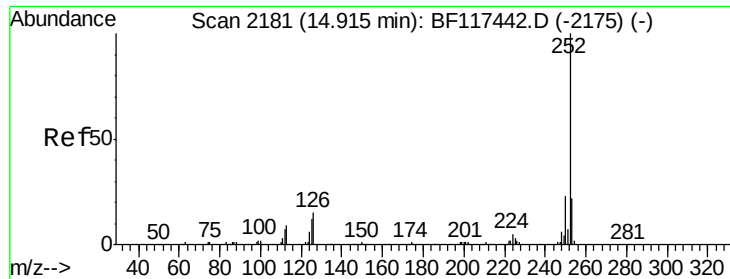
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.4	27.6
265	23.4	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

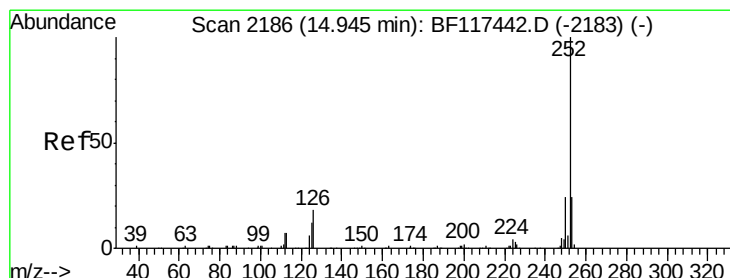
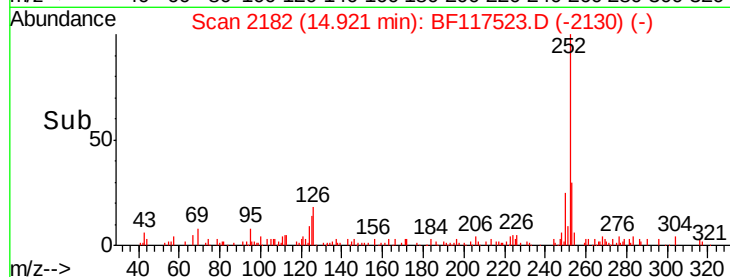
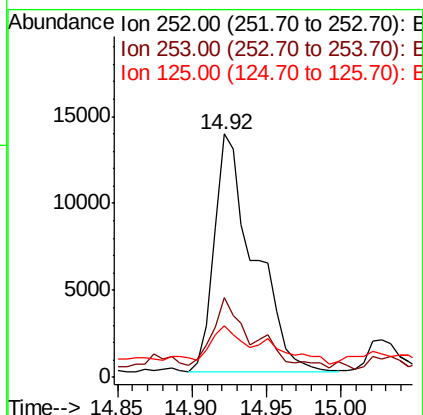
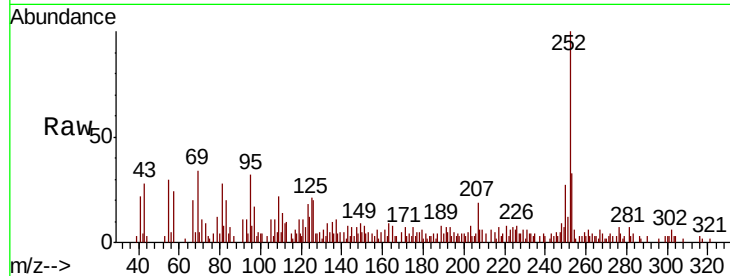




#88
Benzo(b)fluoranthene
Concen: 4.902 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

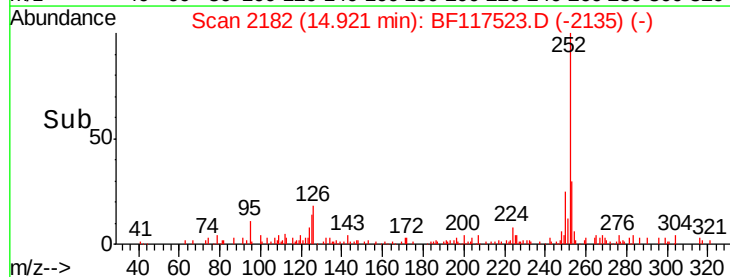
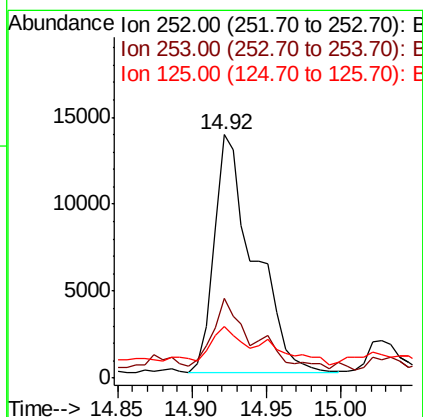
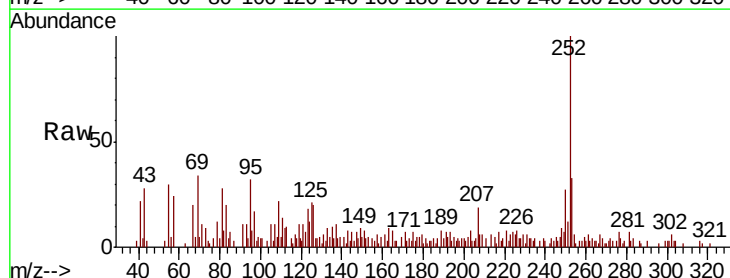
Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

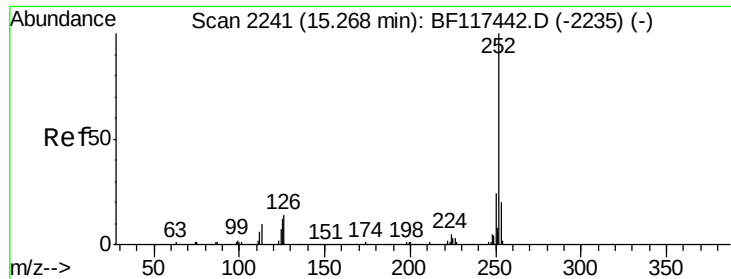
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.7	17.8	26.6#
125	21.0	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 4.782 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.7	18.0	27.0#
125	21.0	8.9	13.3#

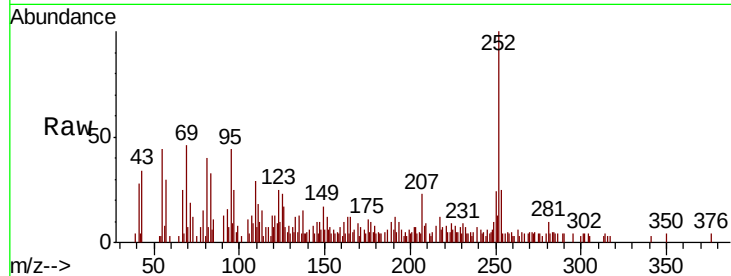




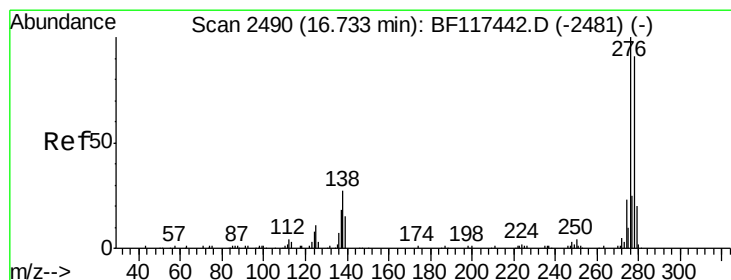
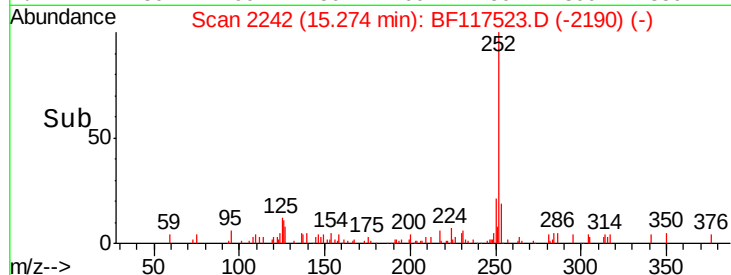
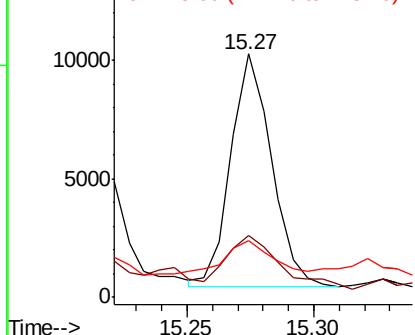
#90
Benzo(a)pyrene
Concen: 2.361 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion:252 Resp: 11070
Ion Ratio Lower Upper
252 100
253 25.2 16.3 24.5#
125 23.3 9.2 13.8#

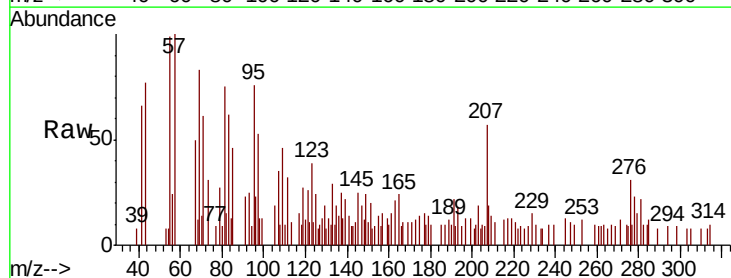


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

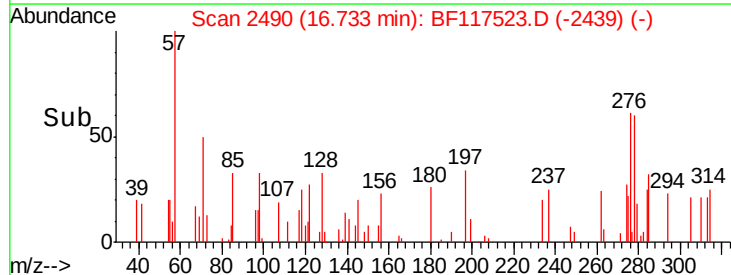
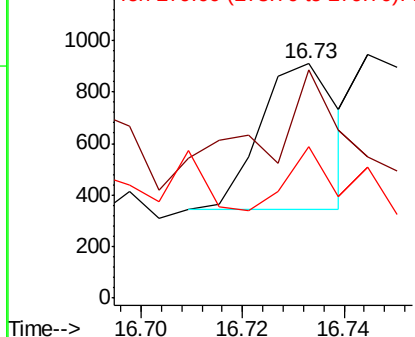


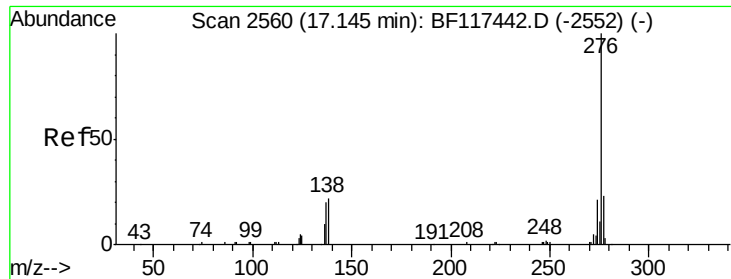
#91
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:278 Resp: 595
Ion Ratio Lower Upper
278 100
139 97.2 13.4 20.0#
279 64.8 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: 1.912 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	45.6	18.4	27.6#	
138	35.7	17.8	26.6#	

