

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117513.D
 Acq On : 24 Oct 2019 16:40
 Operator : JU
 Sample : K5498-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 193-10-(0-1)

Quant Time: Oct 25 01:04:06 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	50800	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	207795	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	103845	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	146355	20.00	ng	0.00
76) Chrysene-d12	13.90	240	92225	20.00	ng	0.00
87) Perylene-d12	15.33	264	112472	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	313132	91.70	ng	0.00
7) Phenol-d6	6.39	99	432285	94.26	ng	0.00
23) Nitrobenzene-d5	7.30	82	272921	64.84	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	72320	80.49	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	362414	49.17	ng	0.00
79) Terphenyl-d14	12.83	244	220539	39.01	ng	0.00

Target Compounds

					Qvalue	
6) Aniline	6.51	93	507	0.094 ng	#	1
9) Benzaldehyde	6.39	77	605	Below Cal	#	3
10) Phenol	6.40	94	12749	2.724 ng		83
11) bis(2-Chloroethyl)ether	6.51	93	507	0.146 ng	#	1
12) 1,3-Dichlorobenzene	6.75	146	264	0.066 ng	#	9
13) 1,4-Dichlorobenzene	6.75	146	264	0.065 ng	#	25
14) 1,2-Dichlorobenzene	6.75	146	264	0.069 ng	#	23
15) Benzyl Alcohol	6.89	79	3918	1.196 ng	#	51
18) Hexachloroethane	7.27	117	108	0.068 ng	#	1
19) n-Nitroso-di-n-propylamine	7.30	70	36561	13.053 ng	#	77
22) Acetophenone	7.06	105	252	0.046 ng	#	55
24) Nitrobenzene	7.30	77	681	0.169 ng	#	26
25) Isophorone	7.30	82	272940	37.484 ng	#	65
31) Naphthalene	8.03	128	4881	0.474 ng		100
33) 4-Chloroaniline	8.15	127	884	0.203 ng	#	47
37) 2-Methylnaphthalene	8.83	142	2766	0.399 ng		90
38) 1-Methylnaphthalene	8.83	142	2766	0.424 ng	#	93
46) 1,1'-Biphenyl	9.19	154	1093	0.127 ng		75
47) 2-Chloronaphthalene	9.42	162	111	0.017 ng	#	37
48) 2-Nitroaniline	9.42	65	419	0.197 ng	#	14
49) Acenaphthylene	9.63	152	6119	0.643 ng		95
50) Dimethylphthalate	9.48	163	63927	8.635 ng		99
51) 2,6-Dinitrotoluene	9.48	165	560	0.362 ng	#	1
52) Acenaphthene	9.80	154	7465	1.278 ng		94
55) Dibenzofuran	9.97	168	5923	0.700 ng	#	95
56) 4-Nitrophenol	9.97	139	2260	6.614 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	12894	6.278 ng	#	12
58) Fluorene	10.32	166	10046	1.435 ng		93
60) Diethylphthalate	10.18	149	492	0.066 ng	#	60
63) Azobenzene	10.47	77	1087	0.142 ng	#	1
66) n-Nitrosodiphenylamine	10.42	169	910	0.170 ng	#	68
67) 4-Bromophenyl-phenylether	10.56	248	4724	2.997 ng	#	1
71) Phenanthrene	11.27	178	136308	16.039 ng		100
72) Anthracene	11.33	178	40466	4.641 ng		98

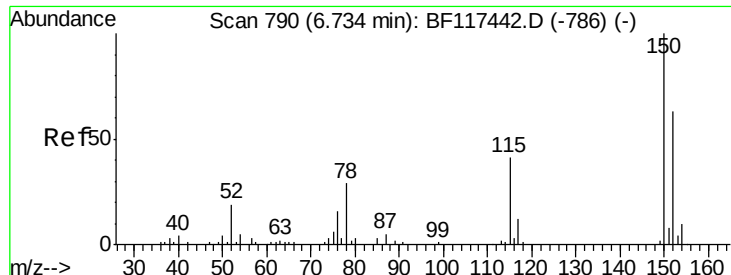
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Carbazole	11.49	167	10414	1.307	nq	94
74) Di-n-butylphthalate	11.80	149	5119	0.481	nq #	91
75) Fluoranthene	12.47	202	229586	26.986	nq	97
77) Benzidine	12.83	184	3370	Below Cal	#	81
78) Pyrene	12.69	202	216018	27.269	nq	99
80) Butylbenzylphthalate	13.30	149	4212	1.068	nq	99
81) Benzo(a)anthracene	13.89	228	117857	18.945	nq	99
82) 3,3'-Dichlorobenzidine	13.90	252	107	0.055	nq #	1
83) Chrysene	13.89	228	117857	19.331	nq	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	10734	1.944	nq #	98
85) Di-n-octyl phthalate	14.48	149	1477	0.174	nq #	73
86) Indeno(1,2,3-cd)pyrene	16.75	276	47091	10.345	nq	96
88) Benzo(b)fluoranthene	14.93	252	167352	25.198	nq	98
89) Benzo(k)fluoranthene	14.93	252	167352	24.584	nq #	98
90) Benzo(a)pyrene	15.27	252	95645	15.839	nq #	91
91) Dibenzo(a,h)anthracene	16.75	278	13042	2.498	nq #	78
92) Benzo(g,h,i)perylene	17.18	276	45548	9.220	nq #	84

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

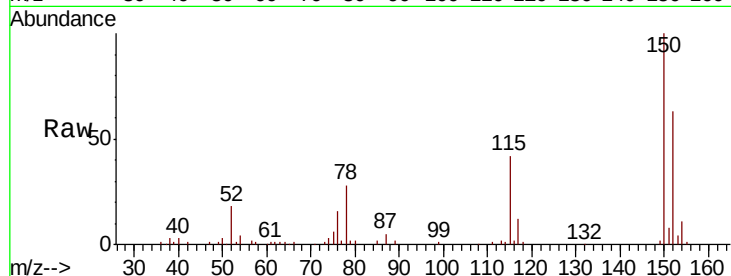


#1

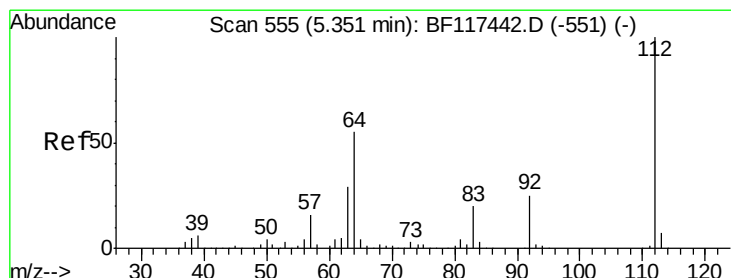
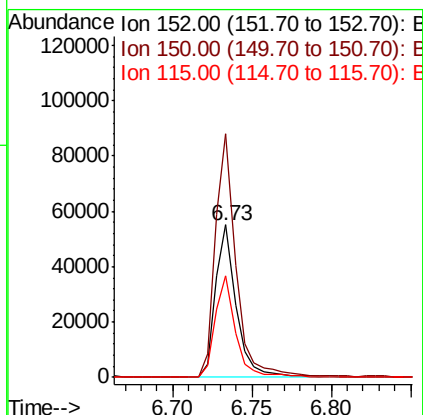
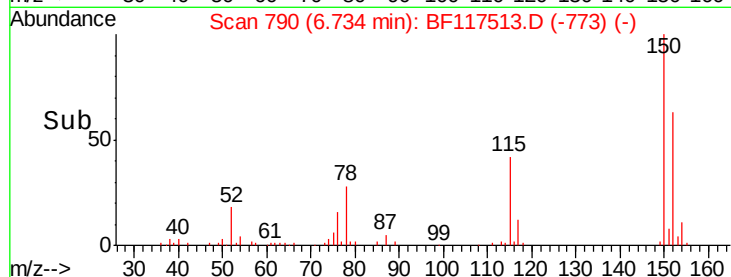
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:152 Resp: 50800
Ion Ratio Lower Upper
152 100
150 159.7 126.8 190.2
115 66.3 51.6 77.4



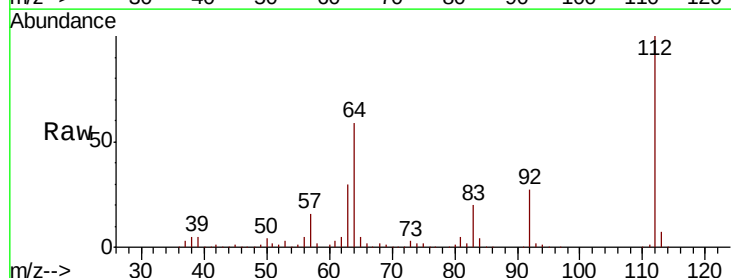
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



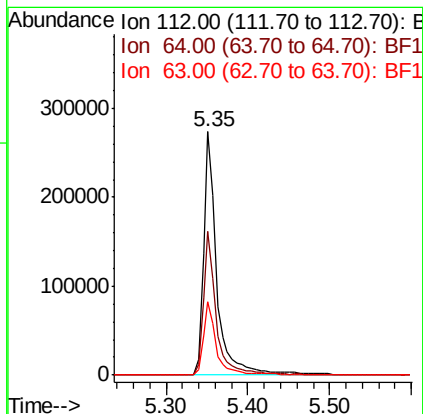
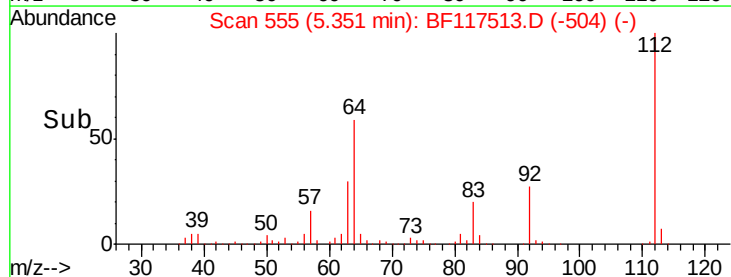
#5

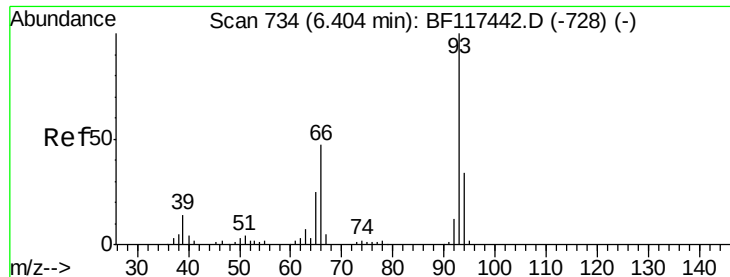
2-Fluorophenol
Concen: 91.702 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:112 Resp: 313132
Ion Ratio Lower Upper
112 100
64 58.8 44.1 66.1
63 29.9 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: 0.094 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

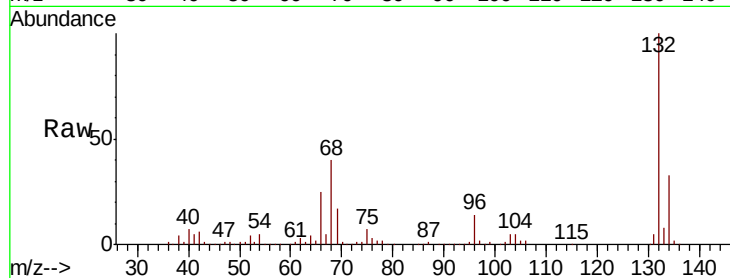
Tot Ion: 93 Resp: 507

Ion Ratio Lower Upper

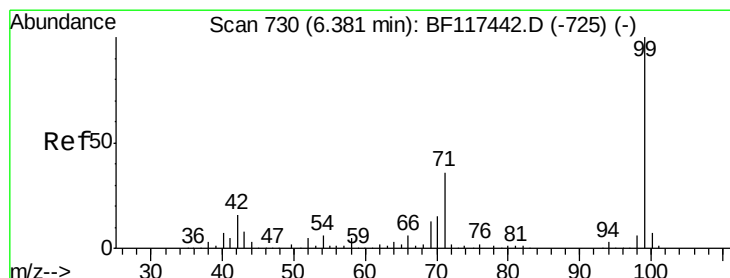
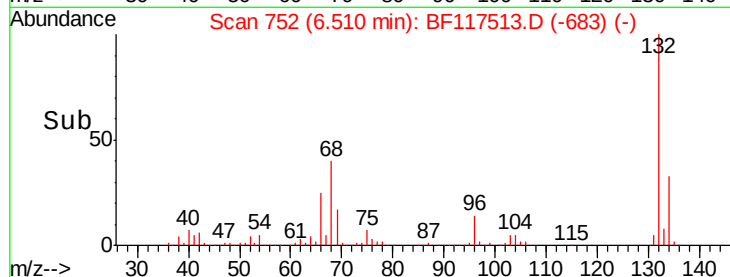
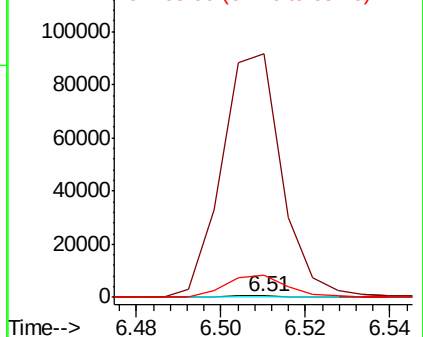
93 100

66 16362.9 38.7 58.1#

65 1458.4 20.1 30.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 94.256 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

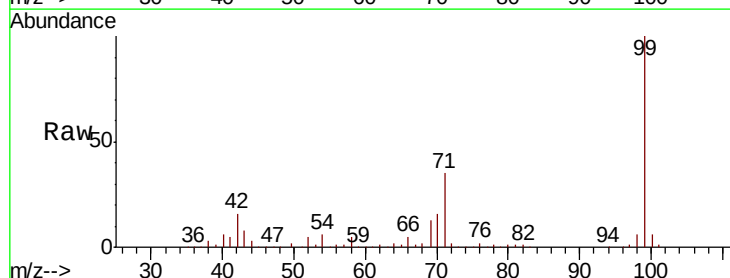
Tgt Ion: 99 Resp: 432285

Ion Ratio Lower Upper

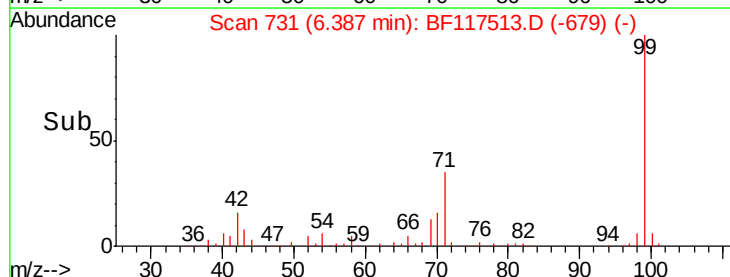
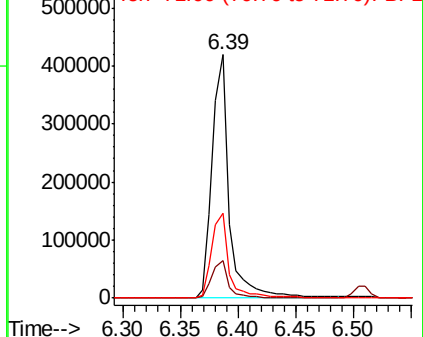
99 100

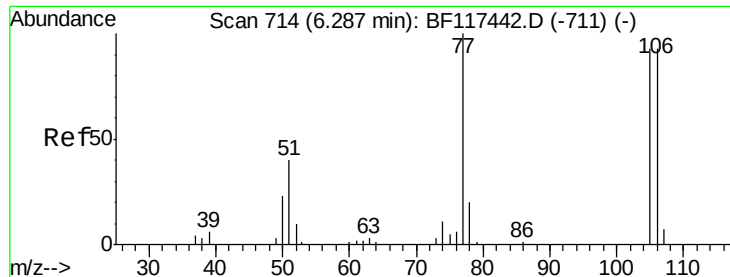
42 15.6 12.8 19.2

71 35.0 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: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

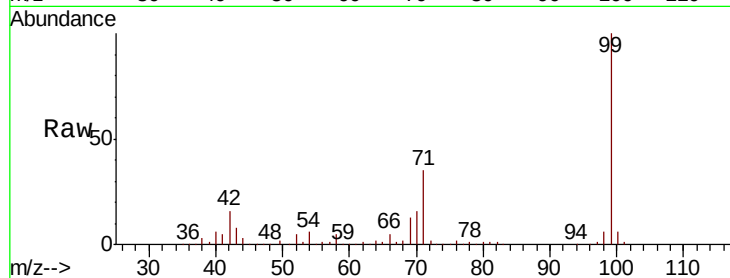
Tot Ion: 77 Resp: 605

Ion Ratio Lower Upper

77 100

105 0.0 73.4 113.4#

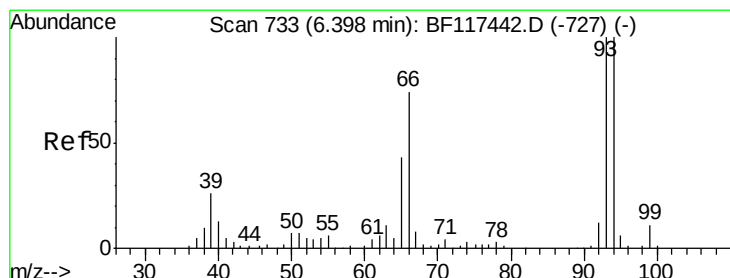
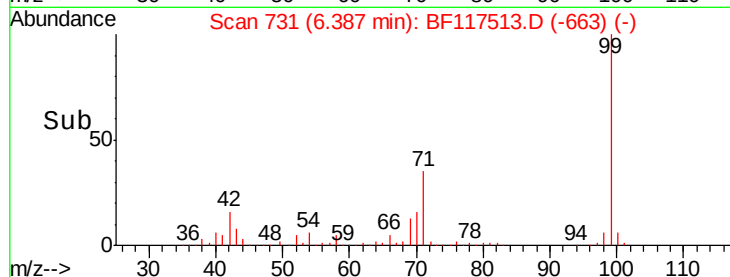
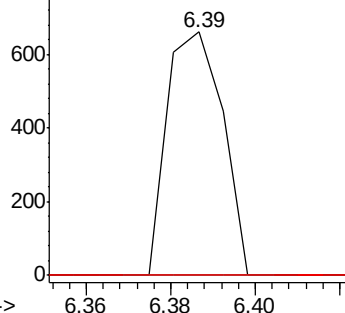
106 0.0 73.0 113.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 2.724 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

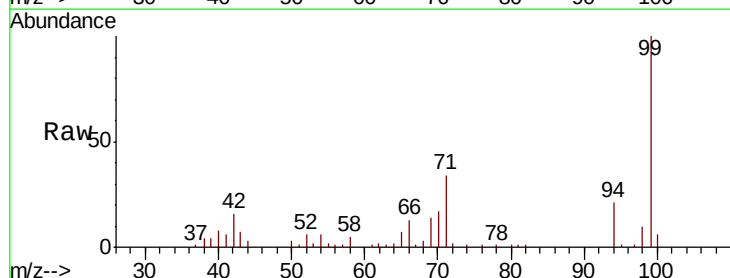
Tgt Ion: 94 Resp: 12749

Ion Ratio Lower Upper

94 100

65 32.5 23.4 63.4

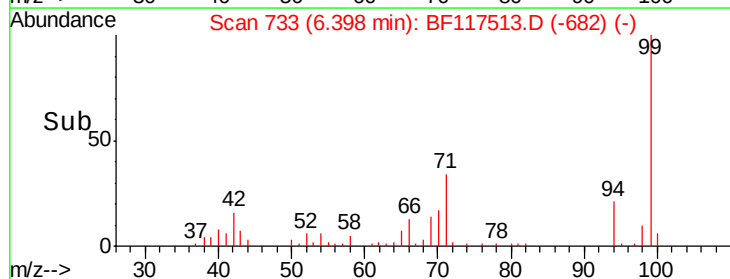
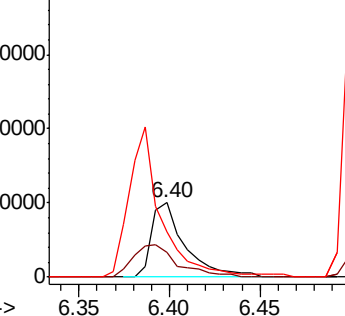
66 60.5 54.7 94.7

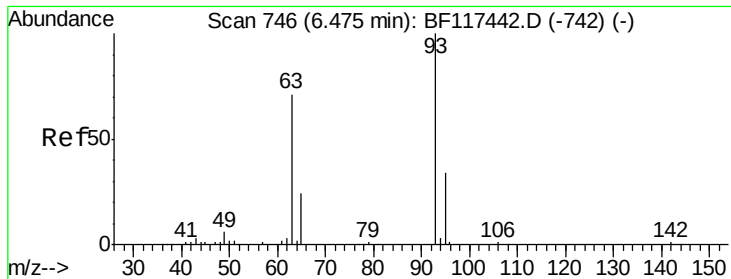


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.146 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

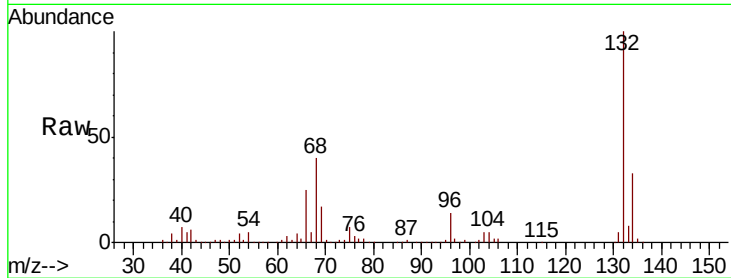
Tot Ion: 93 Resp: 507

Ion Ratio Lower Upper

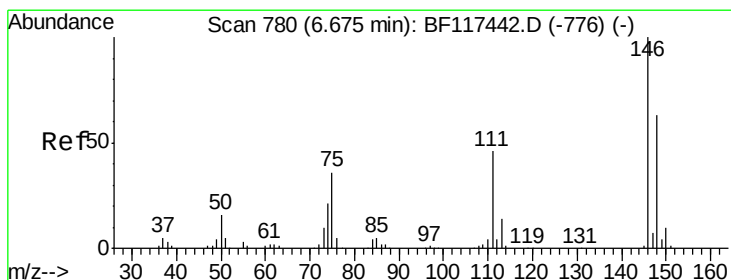
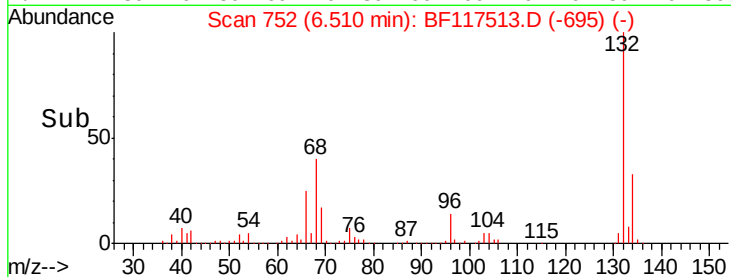
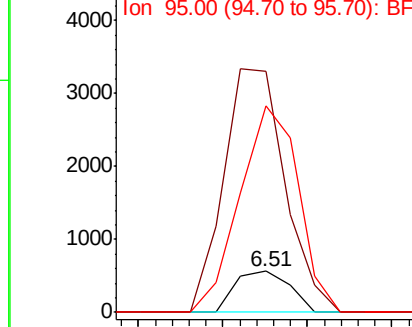
93 100

63 590.7 50.2 90.2#

95 505.5 13.9 53.9#



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



#12

1,3-Dichlorobenzene

Concen: 0.066 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.08 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

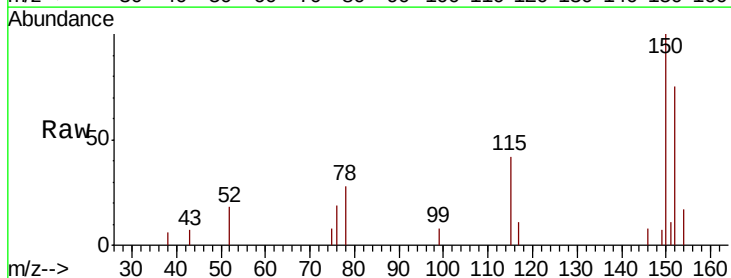
Tgt Ion: 146 Resp: 264

Ion Ratio Lower Upper

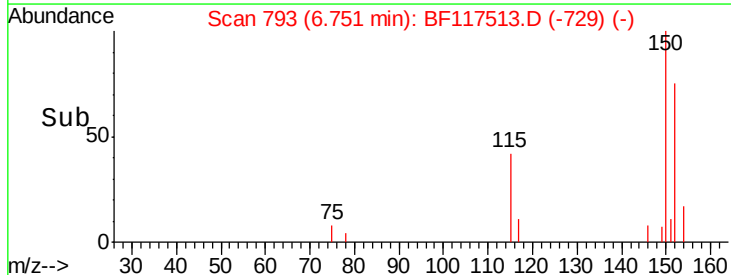
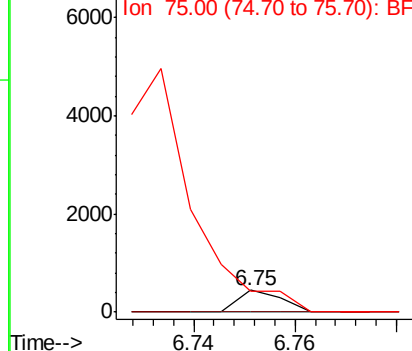
146 100

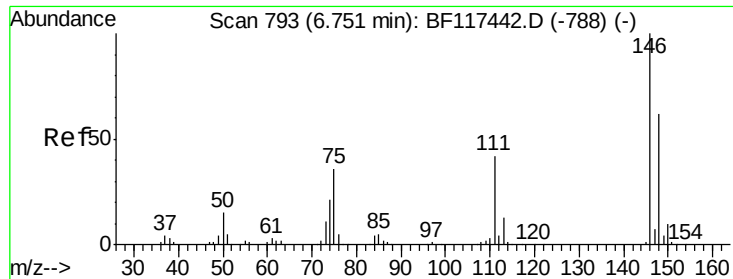
148 0.0 50.6 75.8#

75 98.9 28.6 43.0#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

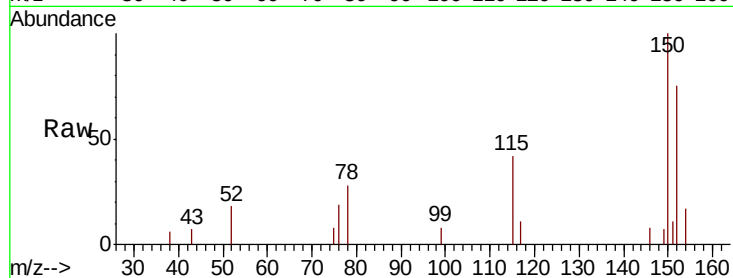




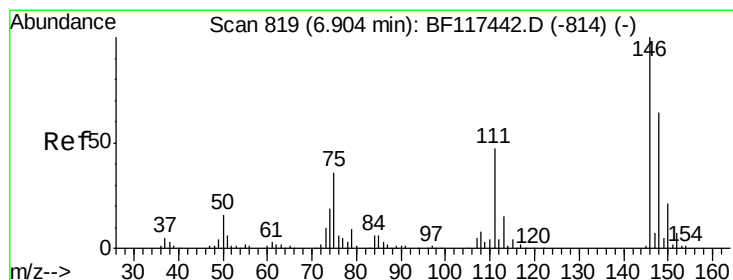
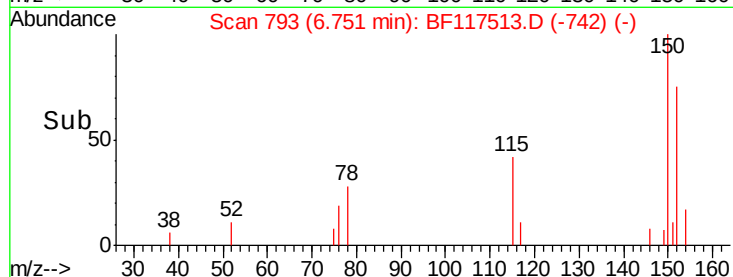
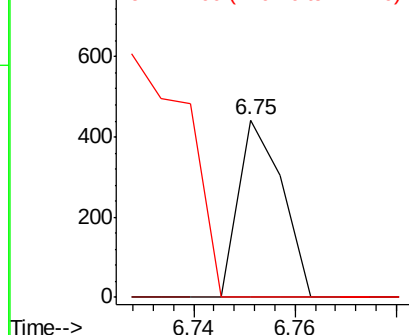
#13
1,4-Dichlorobenzene
Concen: 0.065 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:146 Resp: 264
Ion Ratio Lower Upper
146 100
148 0.0 49.3 73.9#
111 0.0 33.6 50.4#

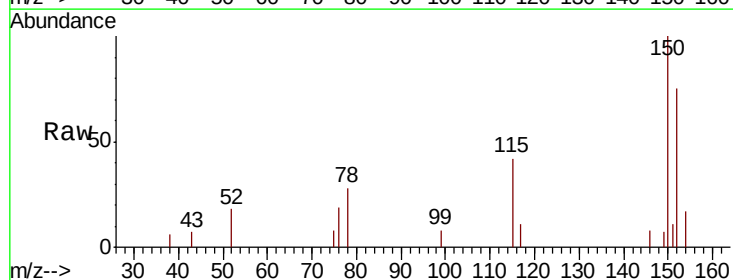


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

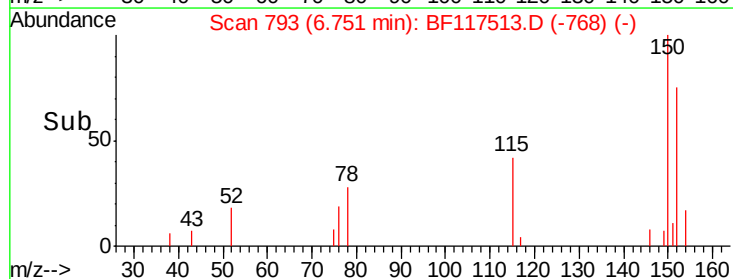
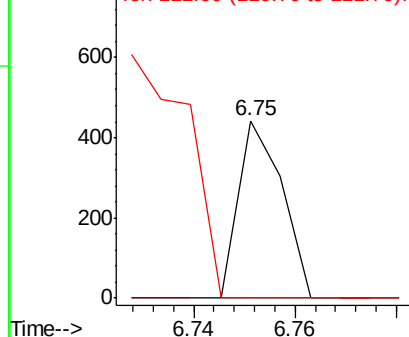


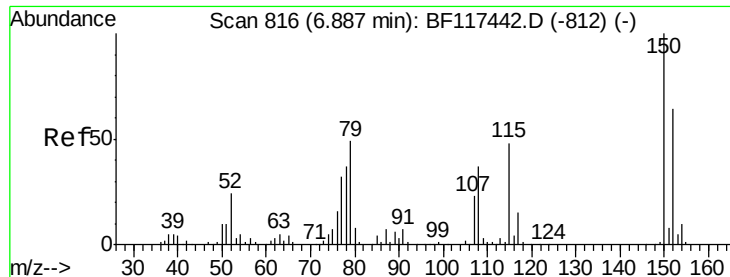
#14
1,2-Dichlorobenzene
Concen: 0.069 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.15 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:146 Resp: 264
Ion Ratio Lower Upper
146 100
148 0.0 51.4 77.0#
111 0.0 37.7 56.5#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

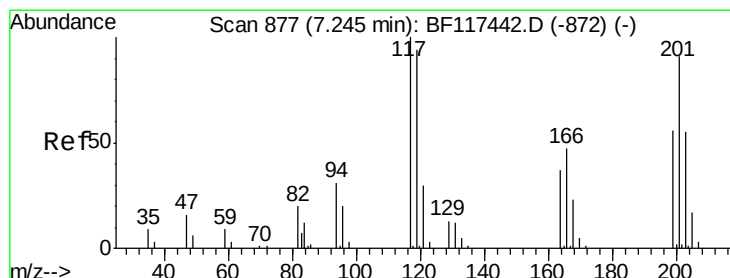
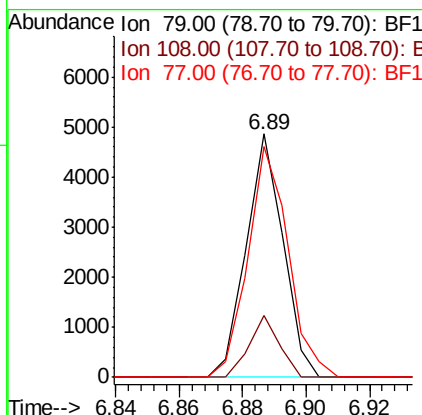
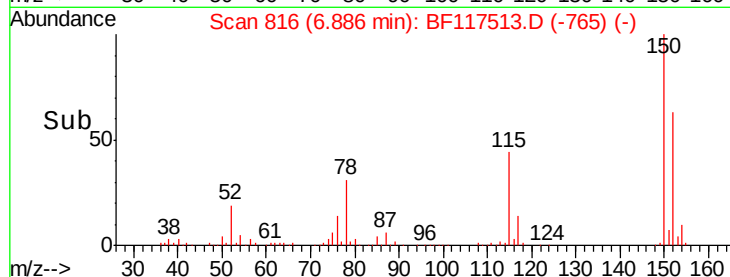
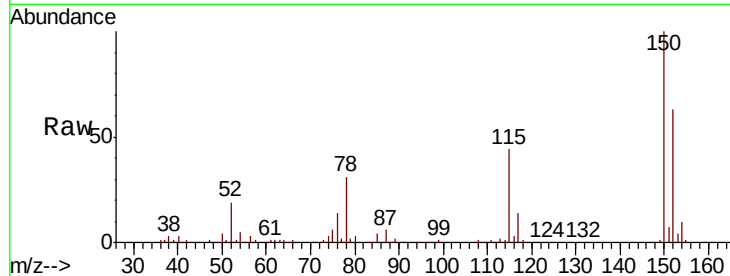




#15
Benzyl Alcohol
Concen: 1.196 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

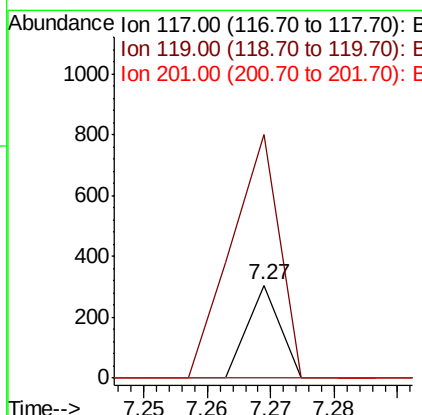
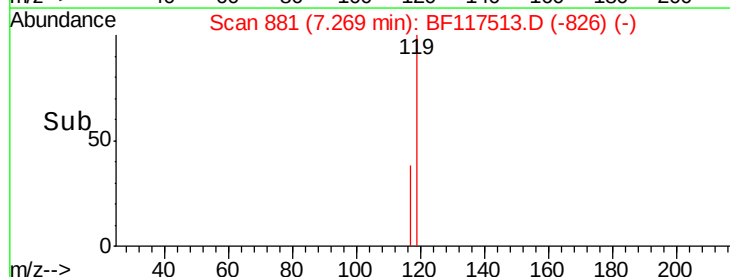
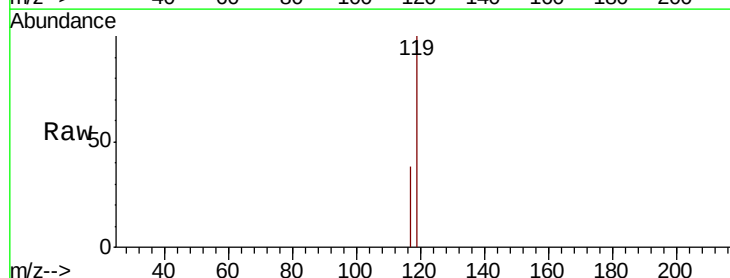
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

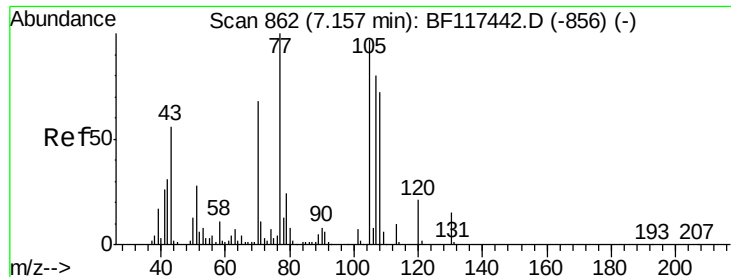
Tot Ion: 79 Resp: 3918
Ion Ratio Lower Upper
79 100
108 25.6 59.8 89.8#
77 94.6 51.4 77.0#



#18
Hexachloroethane
Concen: 0.068 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.02 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion: 117 Resp: 108
Ion Ratio Lower Upper
117 100
119 261.8 75.4 113.0#
201 0.0 72.5 108.7#

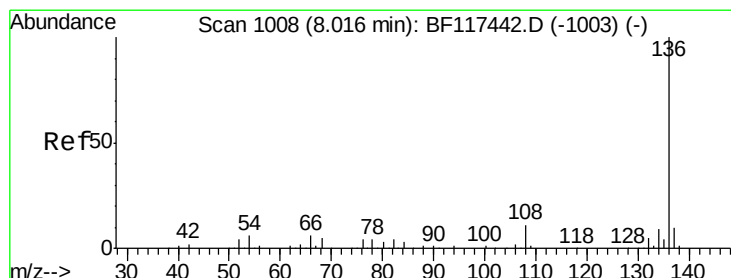
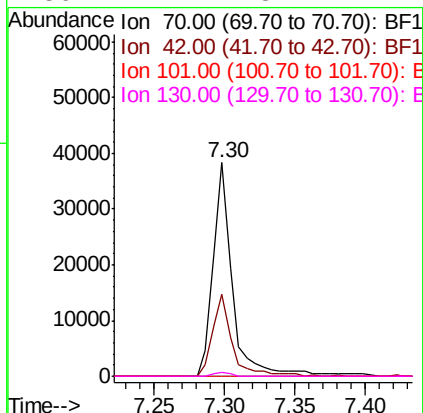
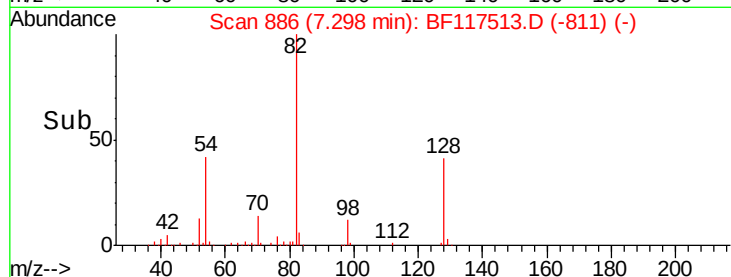
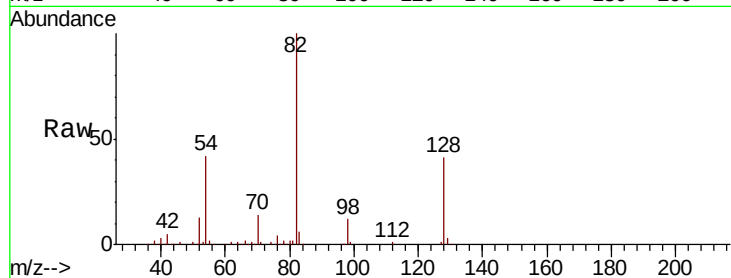




#19
n-Nitroso-di-n-propylamine
Concen: 13.053 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

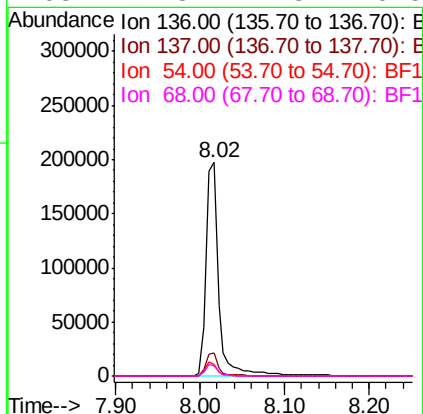
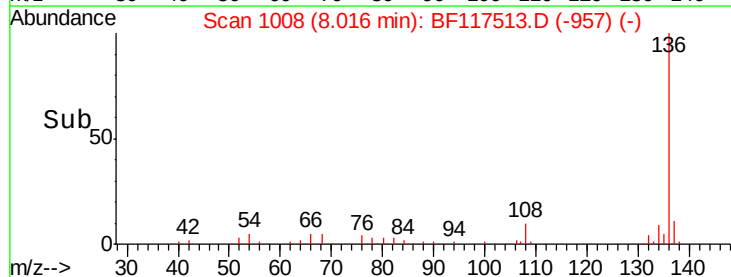
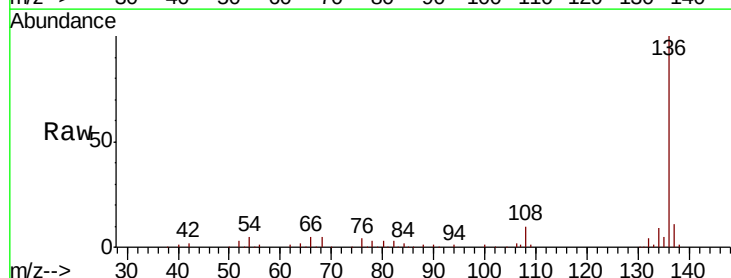
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

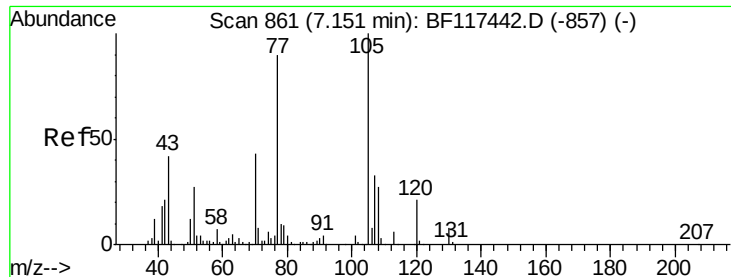
Tot Ion: 70 Resp: 36561
Ion Ratio Lower Upper
70 100
42 38.3 36.7 55.1
101 0.0 8.3 12.5#
130 1.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion: 136 Resp: 207795
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 5.3 4.5 6.7
68 4.8 4.3 6.5

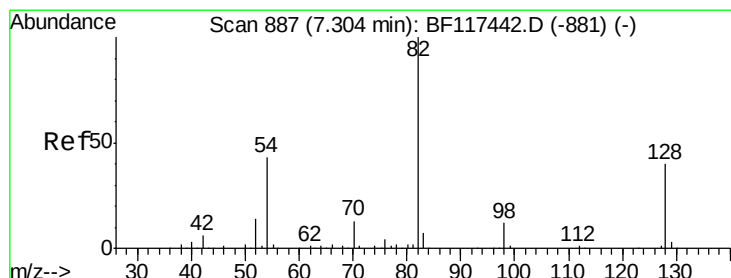
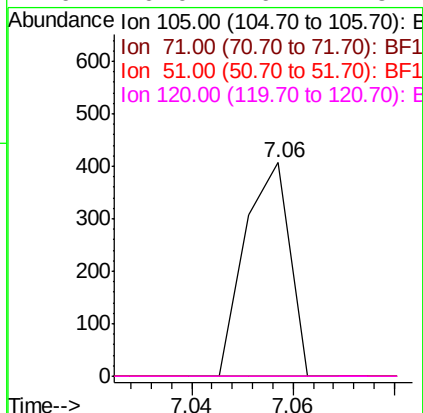
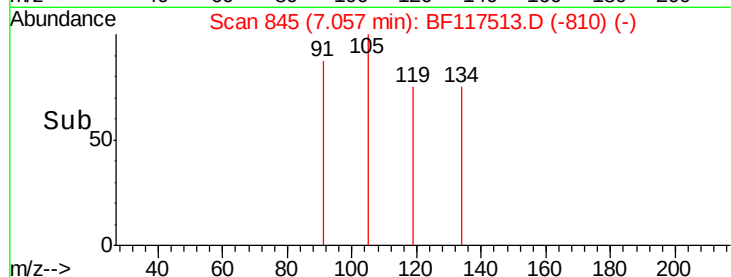
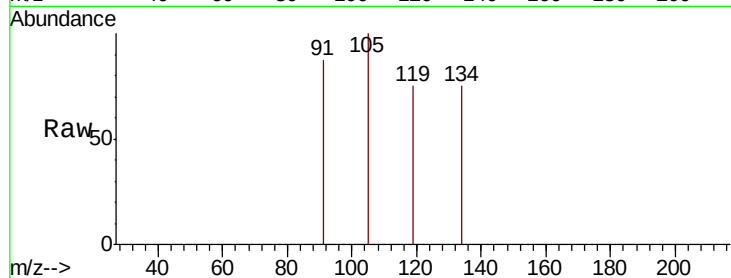




#22
Acetophenone
Concen: 0.046 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.09 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

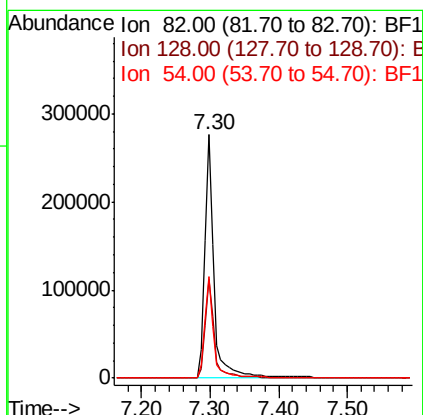
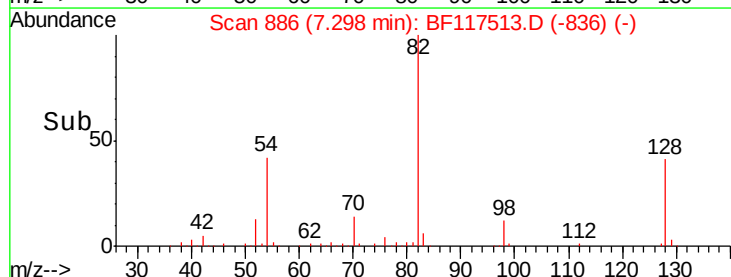
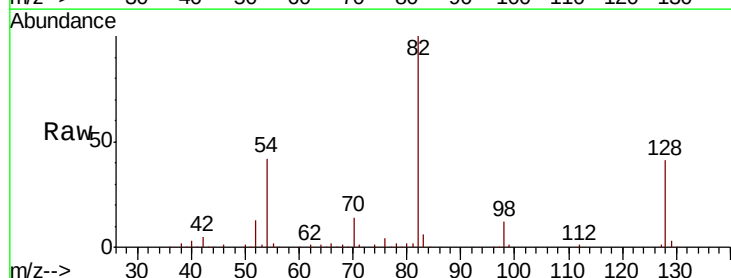
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

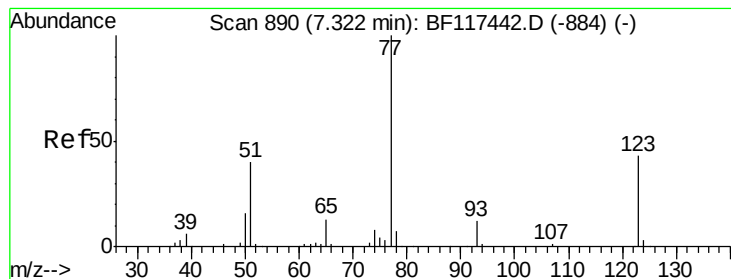
Tot Ion:105 Resp: 252
Ion Ratio Lower Upper
105 100
71 0.0 6.2 9.2#
51 0.0 21.8 32.6#
120 0.0 16.7 25.1#



#23
Nitrobenzene-d5
Concen: 64.840 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion: 82 Resp: 272921
Ion Ratio Lower Upper
82 100
128 40.6 32.2 48.2
54 41.9 34.2 51.2





#24

Nitrobenzene

Concen: 0.169 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

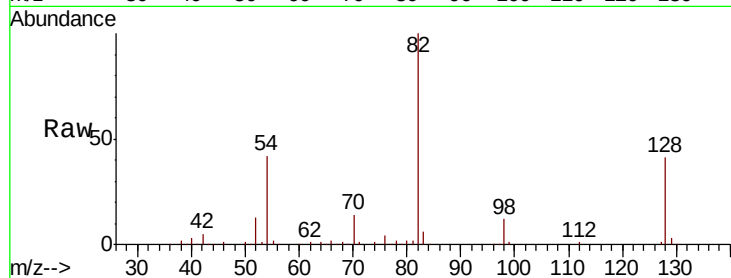
Tot Ion: 77 Resp: 681

Ion Ratio Lower Upper

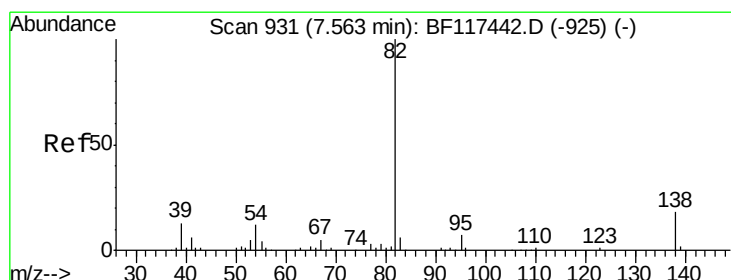
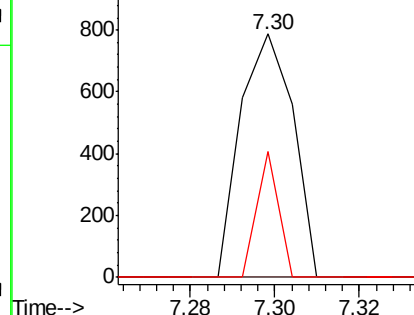
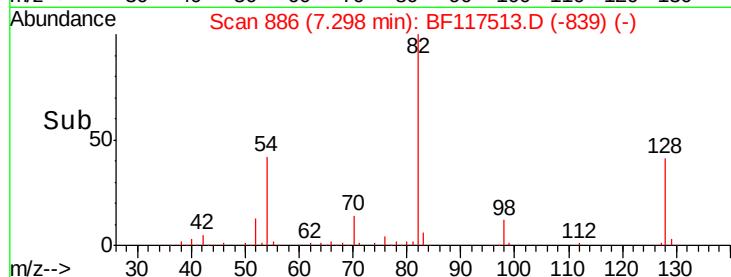
77 100

123 0.0 34.2 51.2#

65 51.8 10.3 15.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 37.484 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

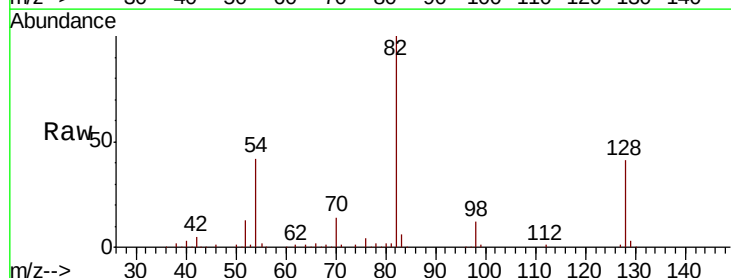
Tgt Ion: 82 Resp: 272940

Ion Ratio Lower Upper

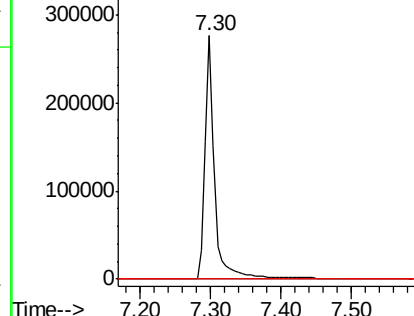
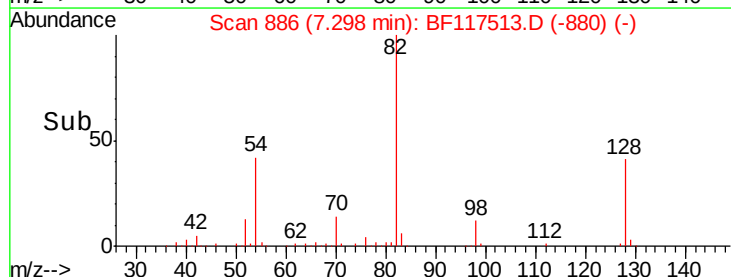
82 100

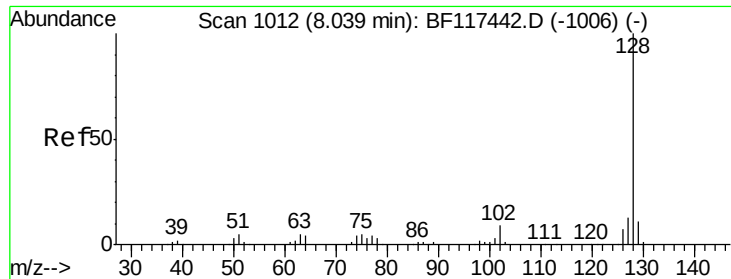
95 0.0 5.4 8.0#

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): E

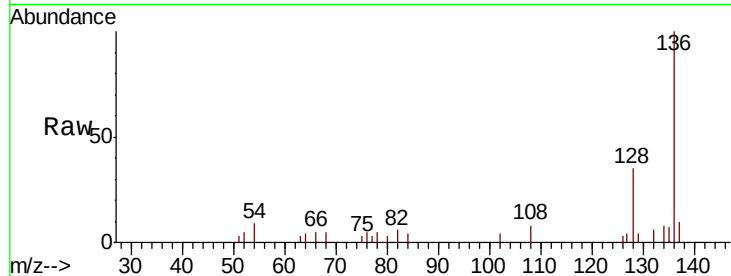




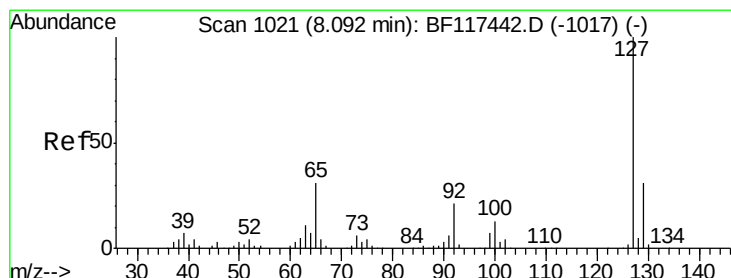
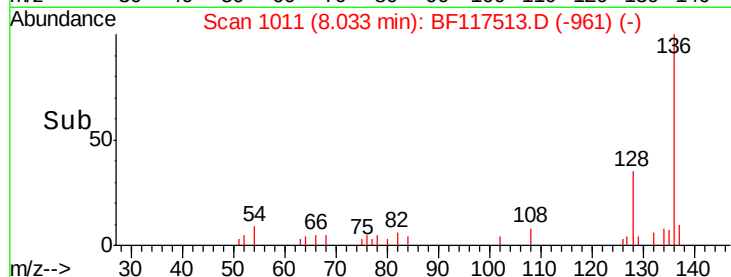
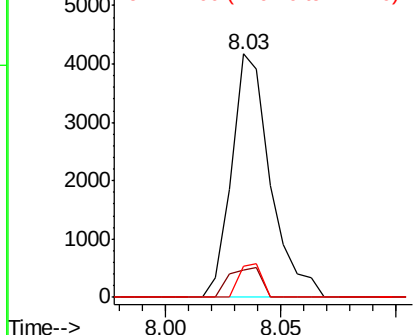
#31
Naphthalene
Concen: 0.474 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:128 Resp: 4881
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.2 15.2



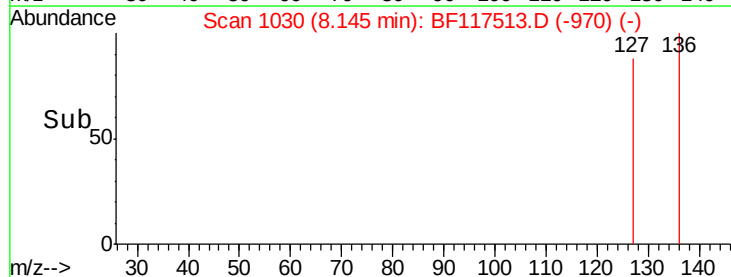
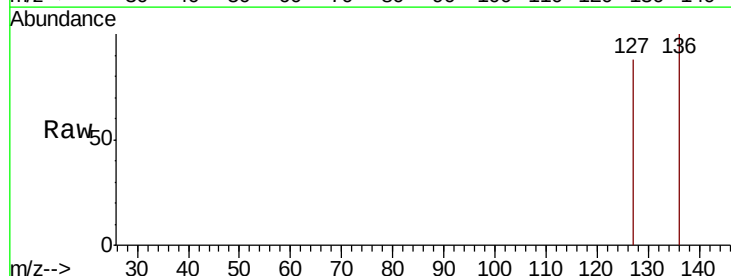
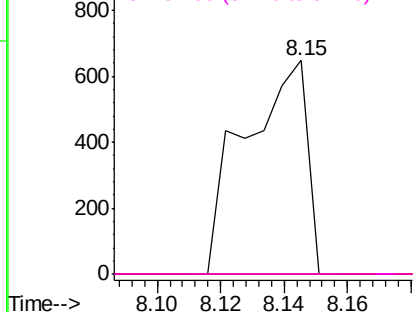
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

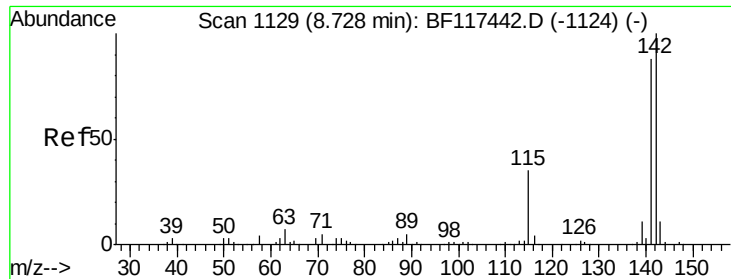


#33
4-Chloroaniline
Concen: 0.203 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.05 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:127 Resp: 884
Ion Ratio Lower Upper
127 100
129 0.0 24.8 37.2#
65 0.0 24.6 37.0#
92 0.0 16.5 24.7#

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

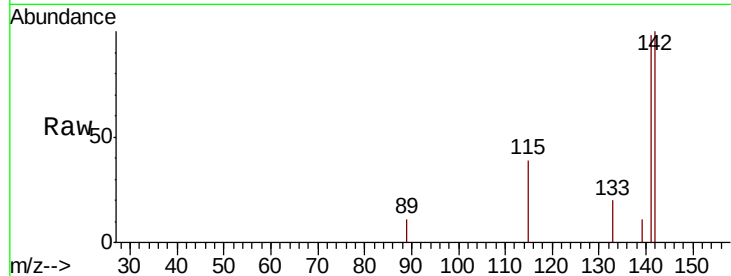




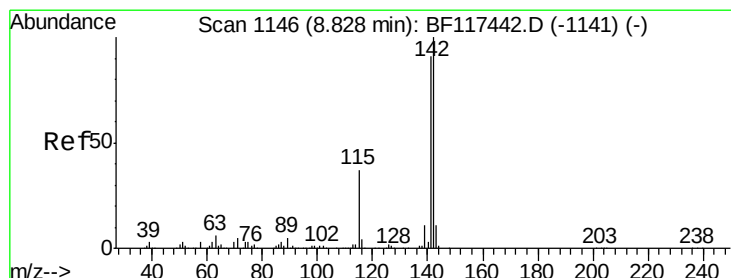
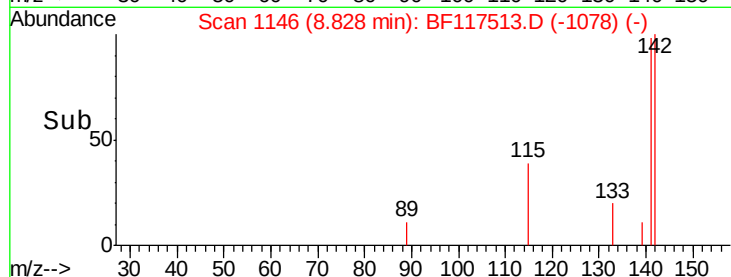
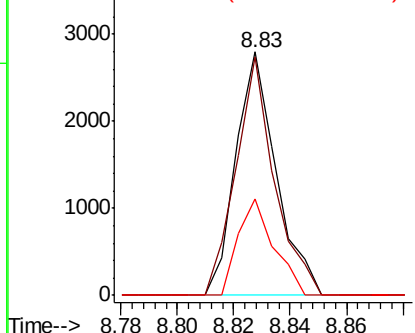
#37
2-Methylnaphthalene
Concen: 0.399 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.10 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:142 Resp: 2766
Ion Ratio Lower Upper
142 100
141 98.0 70.3 105.5
115 39.4 28.2 42.2

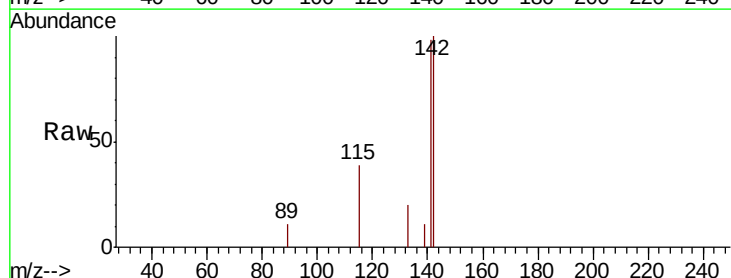


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

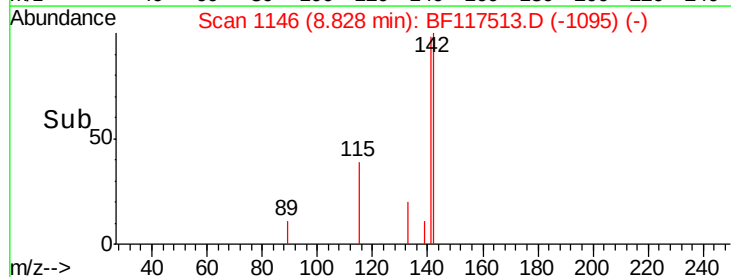
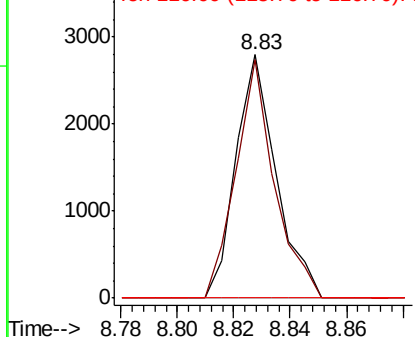


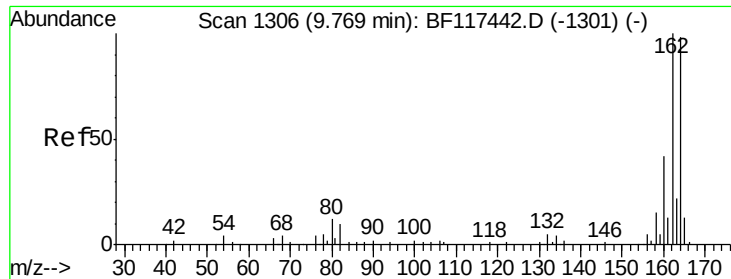
#38
1-Methylnaphthalene
Concen: 0.424 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:142 Resp: 2766
Ion Ratio Lower Upper
142 100
141 98.0 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

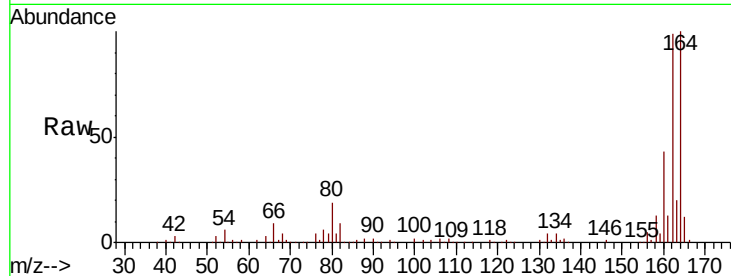




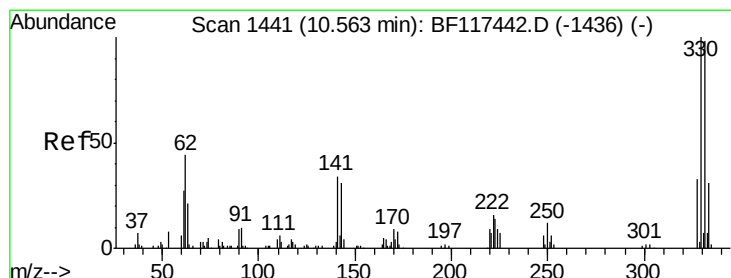
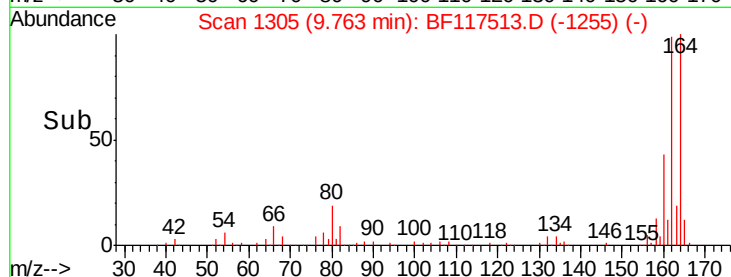
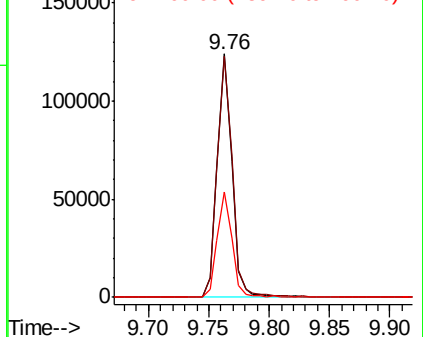
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:164 Resp: 103845
Ion Ratio Lower Upper
164 100
162 98.9 81.8 122.6
160 43.3 34.4 51.6

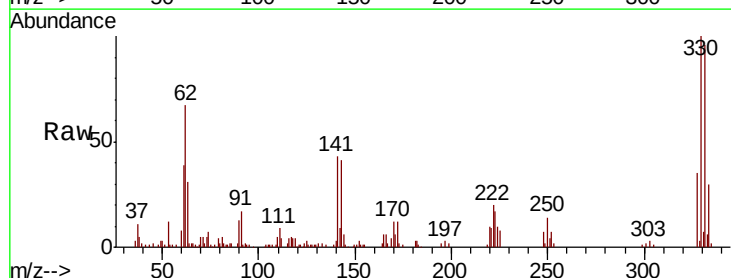


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

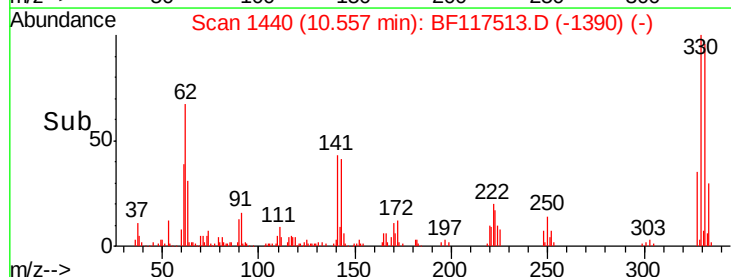
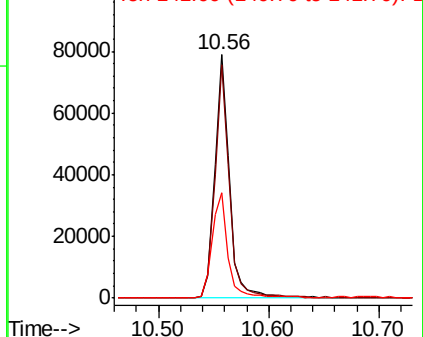


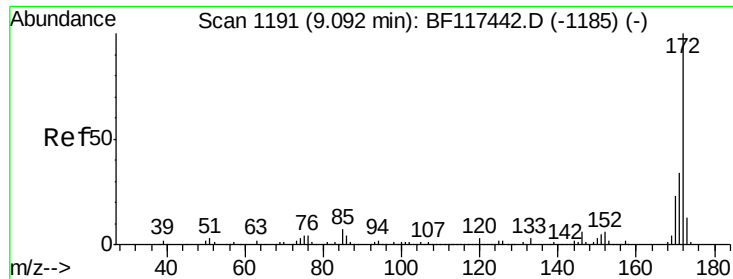
#42
2,4,6-Tribromophenol
Concen: 80.487 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:330 Resp: 72320
Ion Ratio Lower Upper
330 100
332 94.6 78.5 117.7
141 46.3 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

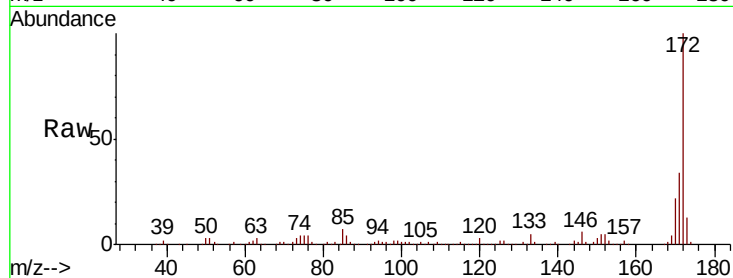




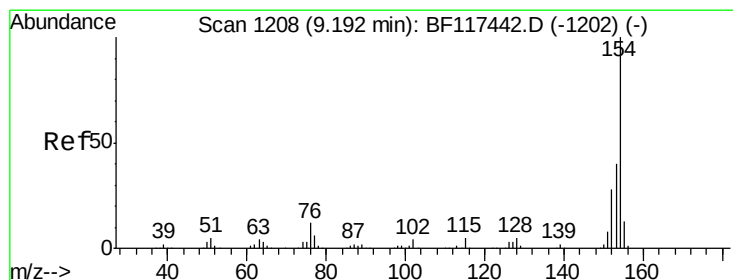
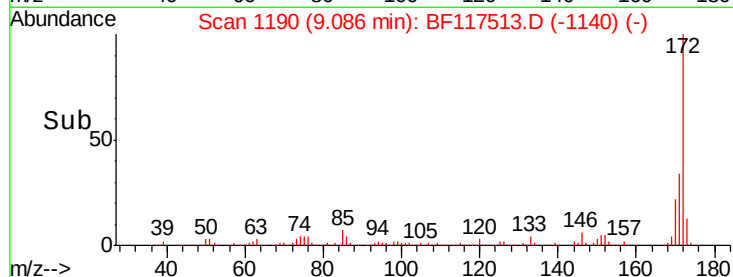
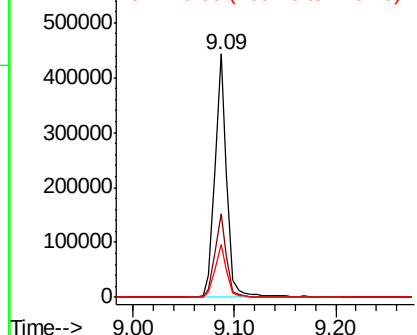
#45
2-Fluorobiphenyl
Concen: 49.173 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:172 Resp: 362414
Ion Ratio Lower Upper
172 100
171 34.4 27.5 41.3
170 21.8 18.6 27.8

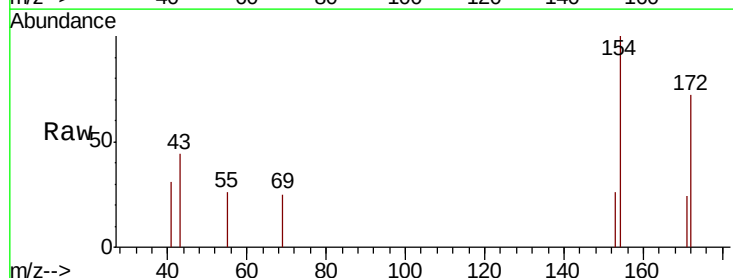


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

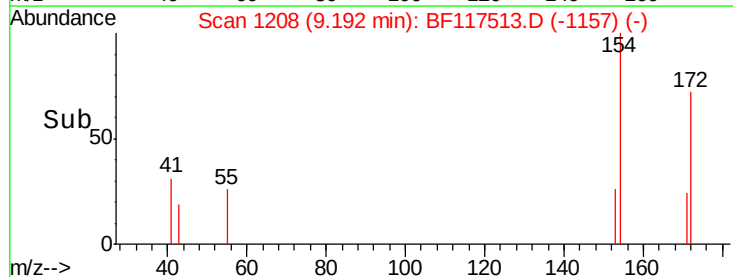
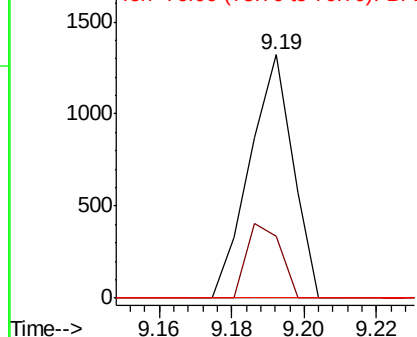


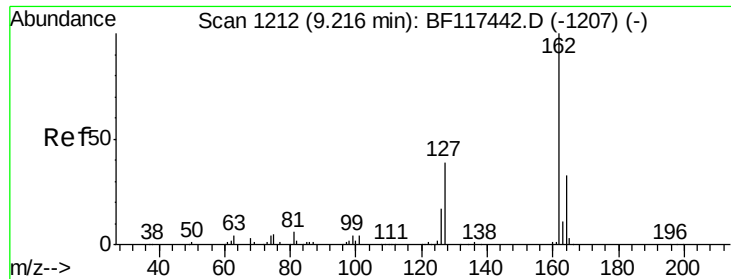
#46
1,1'-Biphenyl
Concen: 0.127 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:154 Resp: 1093
Ion Ratio Lower Upper
154 100
153 25.6 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

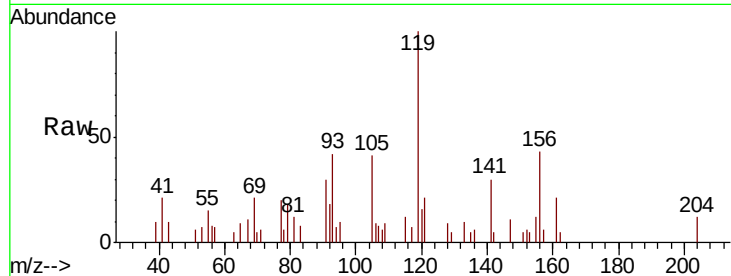




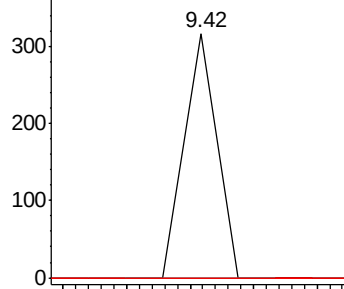
#47
2-Chloronaphthalene
Concen: 0.017 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.21 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

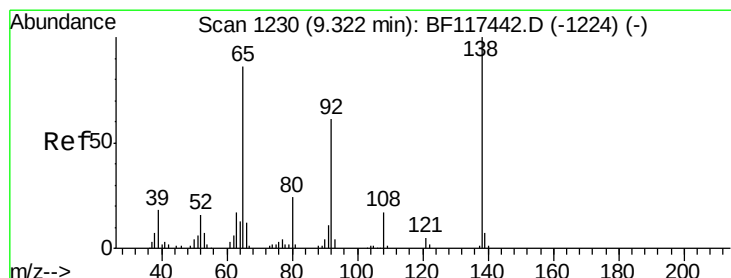
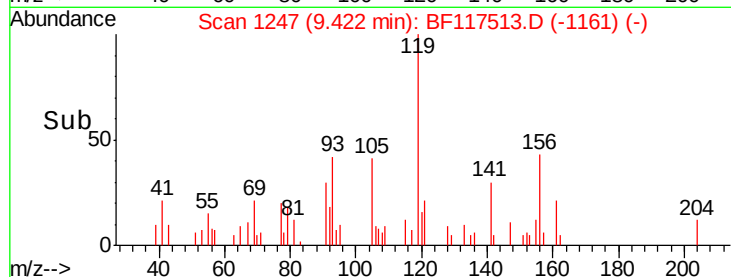
Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	34.2	51.4#
164	0.0	26.4	39.6#



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

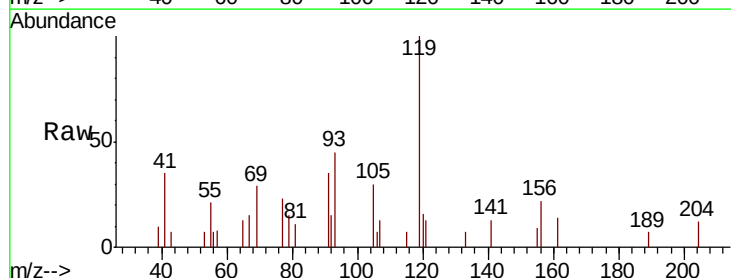


Time-->

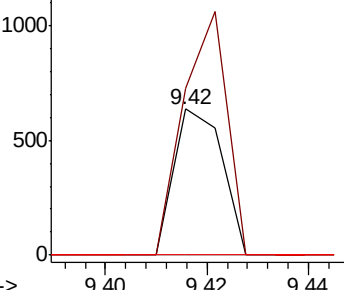


#48
2-Nitroaniline
Concen: 0.197 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.09 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

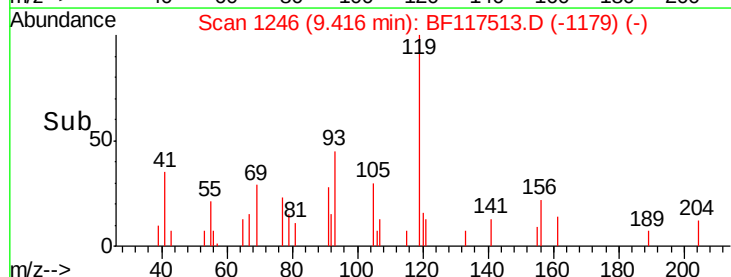
Tgt Ion	Ratio	Lower	Upper
65	100		
92	114.3	57.3	85.9#
138	0.0	93.3	139.9#

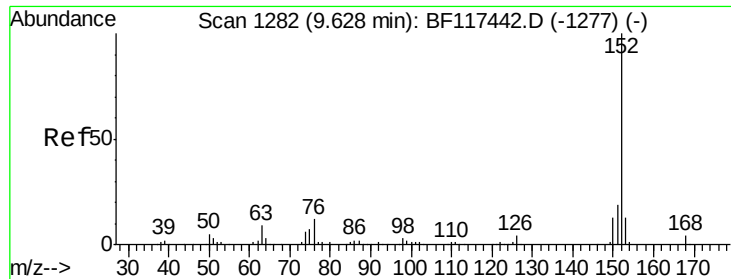


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E



Time-->





#49

Acenaphthylene

Concen: 0.643 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

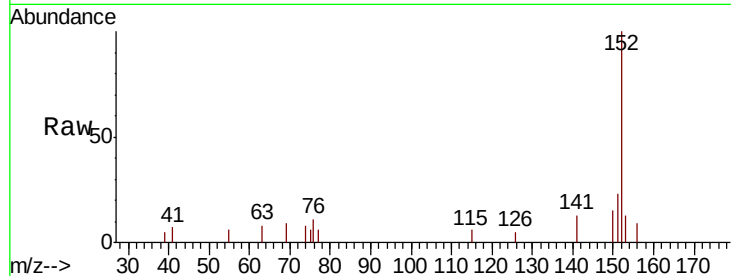
Tot Ion:152 Resp: 6119

Ion Ratio Lower Upper

152 100

151 22.8 15.4 23.0

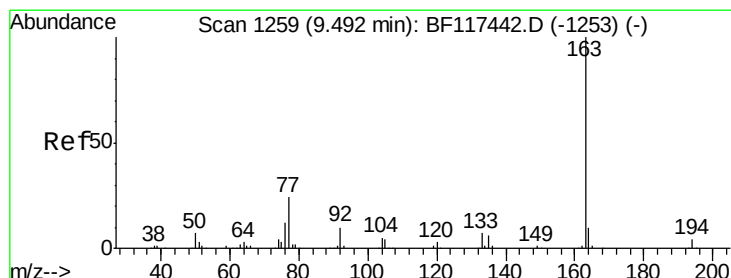
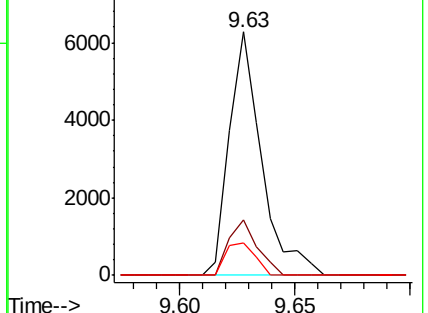
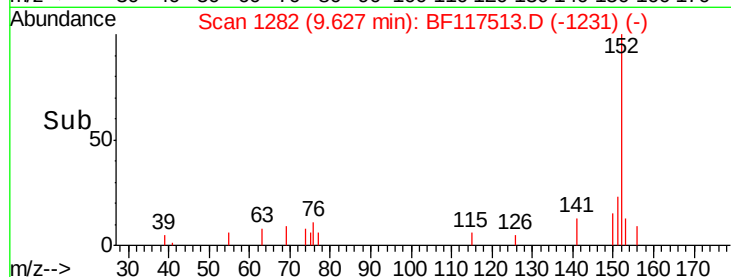
153 13.1 10.3 15.5



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: 8.635 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

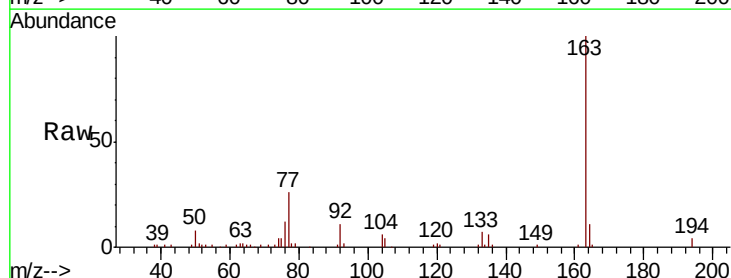
Tgt Ion:163 Resp: 63927

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

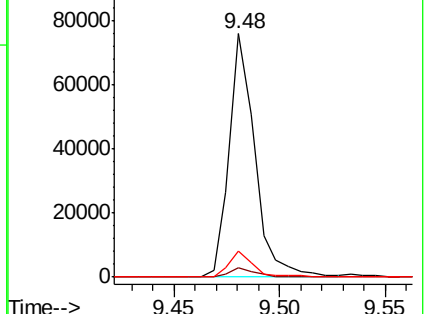
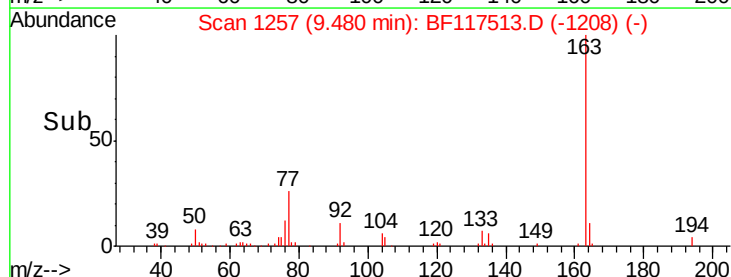
164 10.6 8.2 12.2

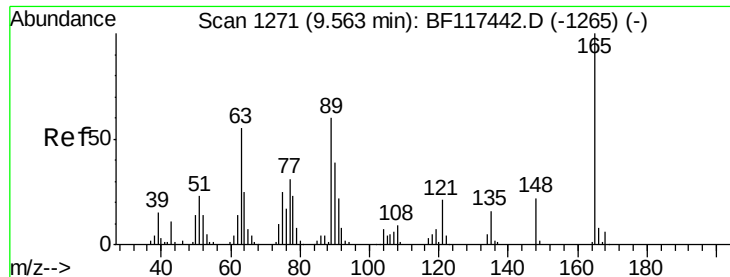


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.362 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.08 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

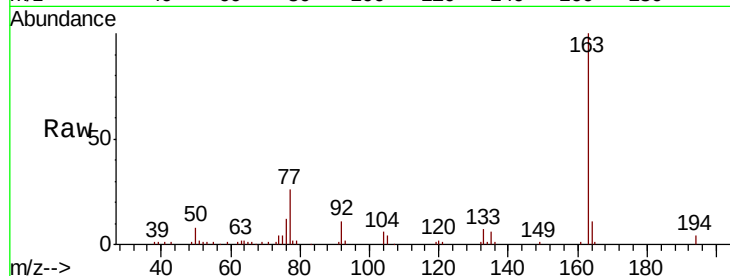
Tot Ion:165 Resp: 560

Ion Ratio Lower Upper

165 100

63 187.9 43.8 65.8#

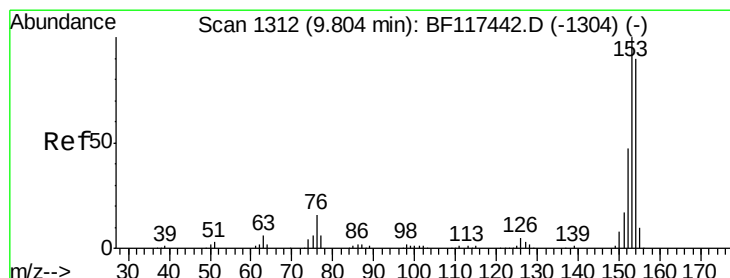
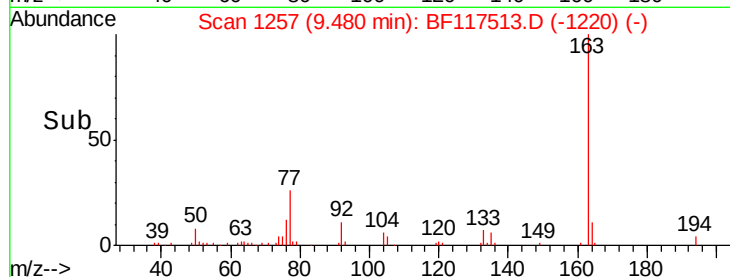
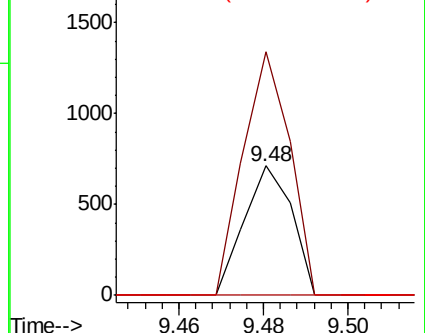
89 0.0 47.6 71.4#



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: 1.278 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

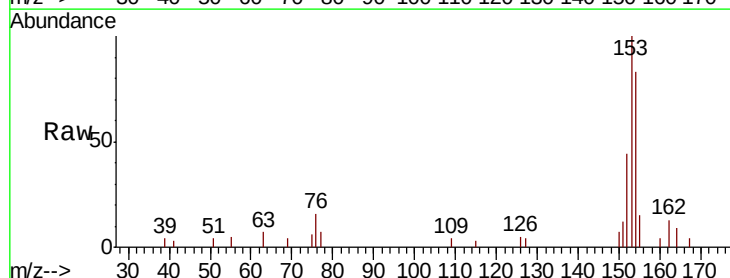
Tgt Ion:154 Resp: 7465

Ion Ratio Lower Upper

154 100

153 120.1 89.2 133.8

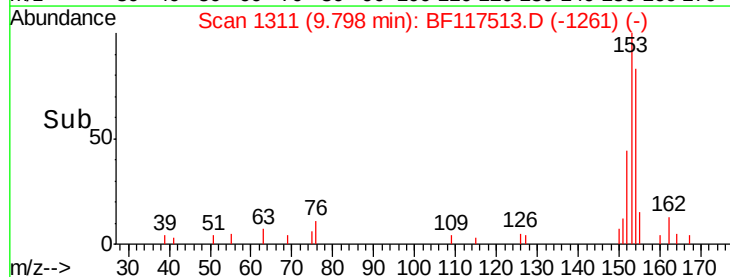
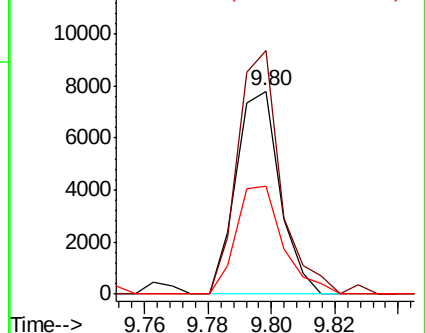
152 53.2 41.8 62.6

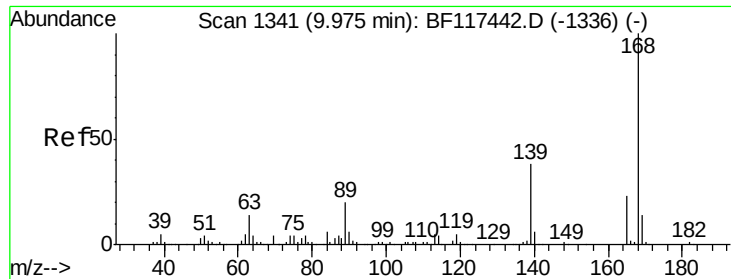


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

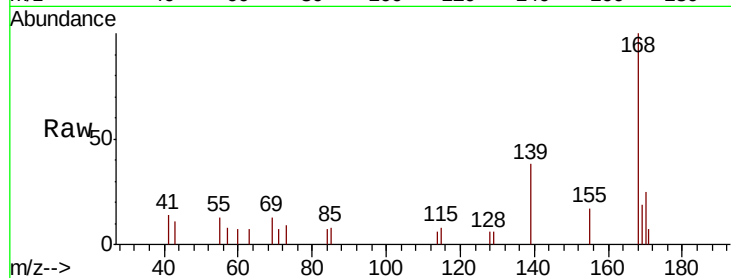




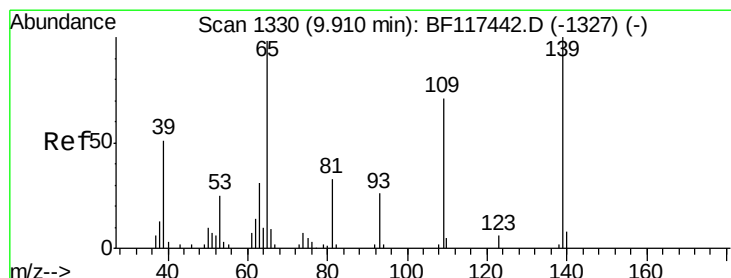
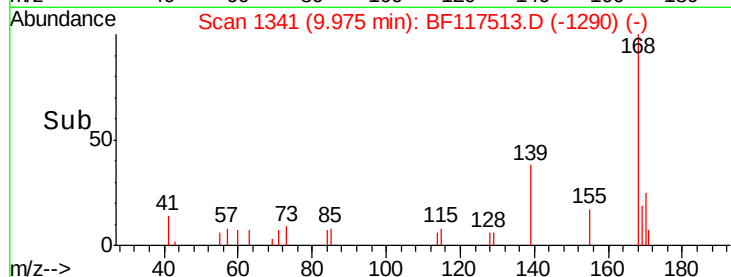
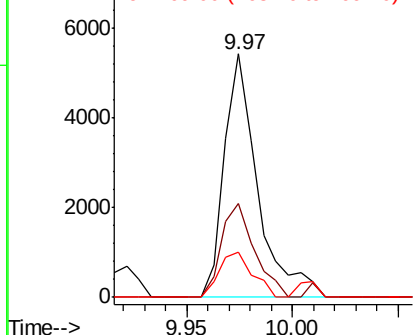
#55
Dibenzenofuran
Concen: 0.700 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

Tot Ion:168 Resp: 5923
Ion Ratio Lower Upper
168 100
139 38.3 31.8 47.6
169 18.8 11.2 16.8#

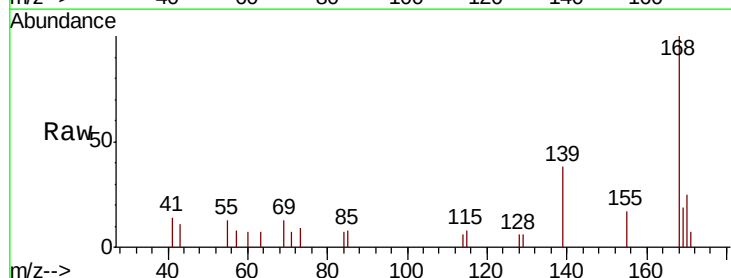


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

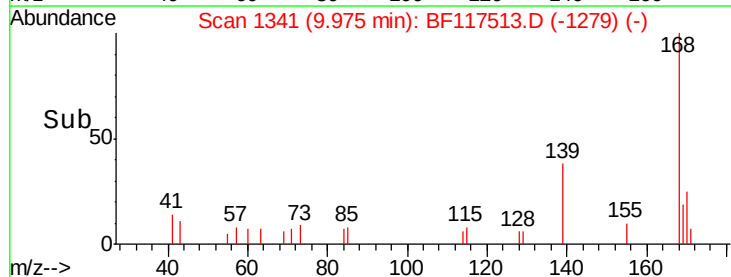
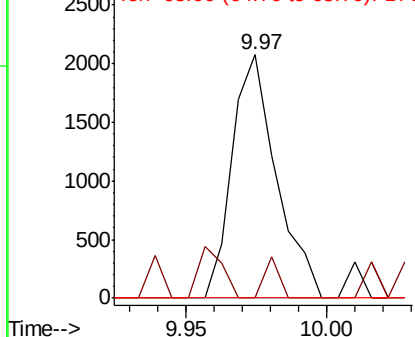


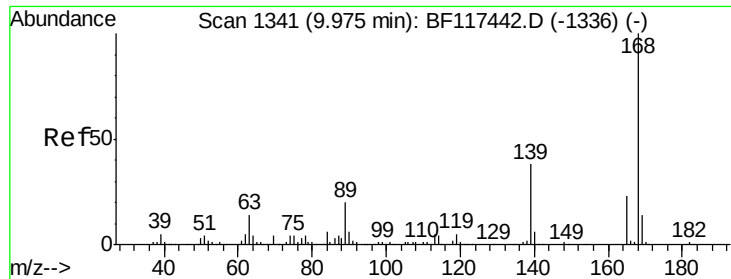
#56
4-Nitrophenol
Concen: 6.614 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:139 Resp: 2260
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

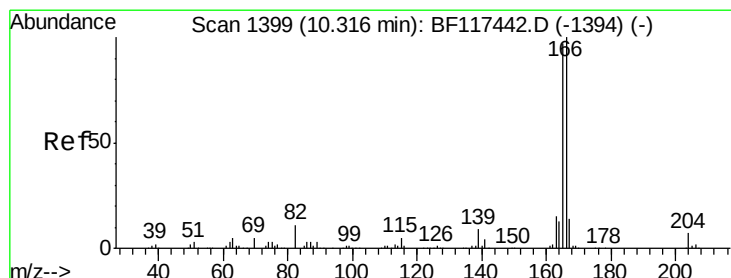
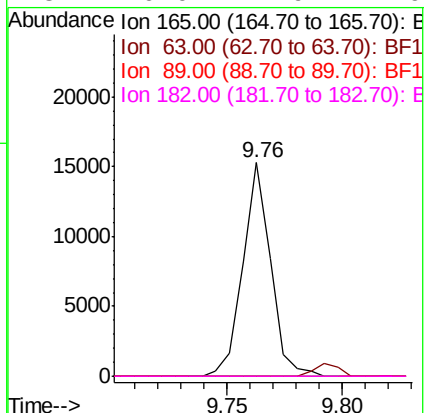
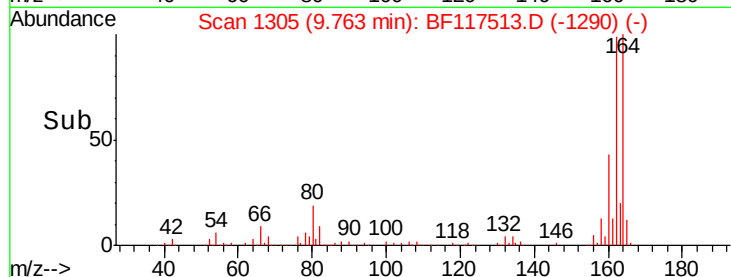
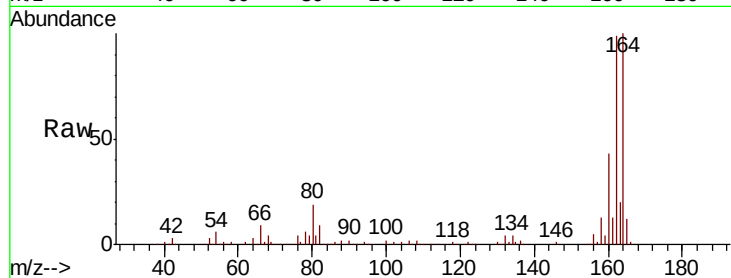




#57
2,4-Dinitrotoluene
Concen: 6.278 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

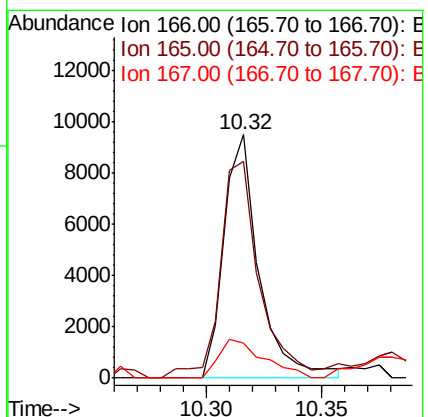
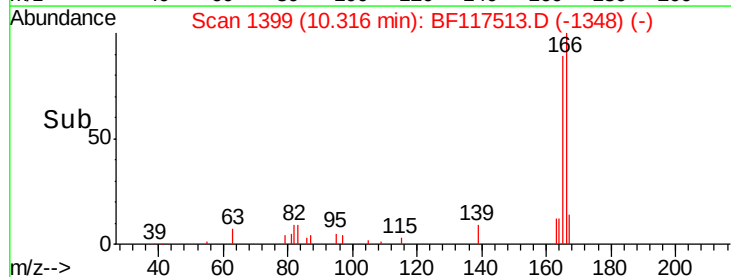
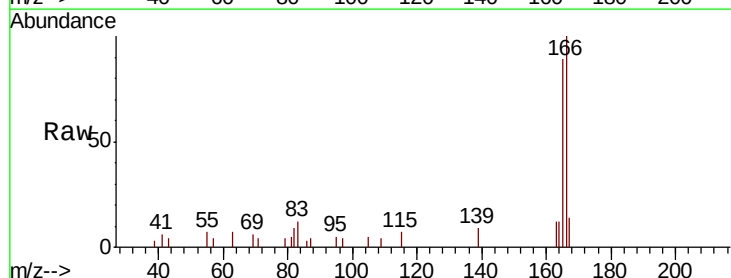
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

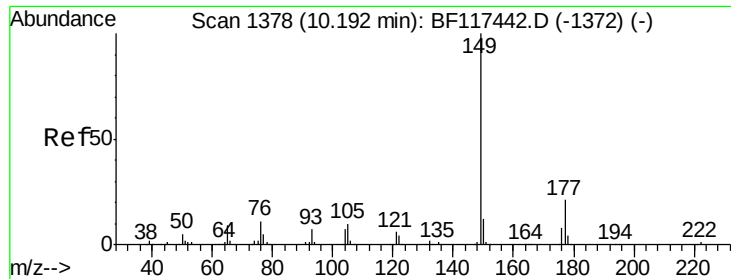
Tot Ion:165 Resp: 12894
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 1.435 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:166 Resp: 10046
Ion Ratio Lower Upper
166 100
165 88.8 77.6 116.4
167 14.4 11.0 16.4





#60

Diethylphthalate

Concen: 0.066 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

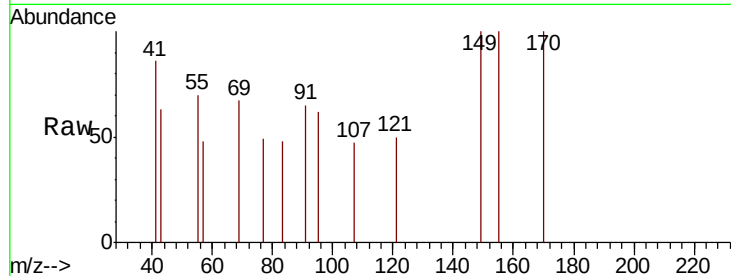
Tot Ion:149 Resp: 492

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.4#

150 0.0 9.8 14.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

10.18

800

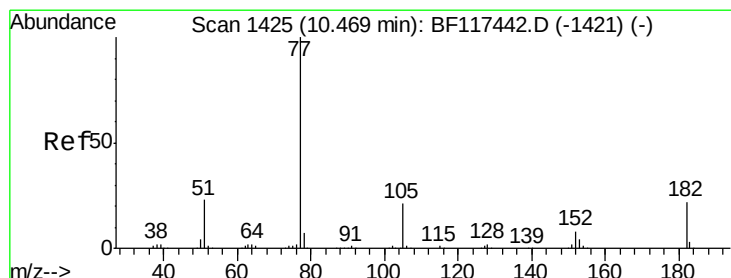
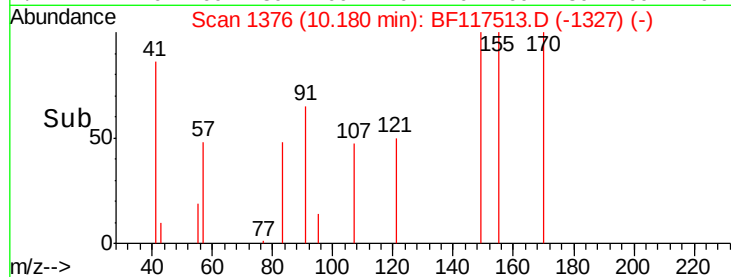
600

400

200

0

Time-->



#63

Azobenzene

Concen: 0.142 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Tgt Ion: 77 Resp: 1087

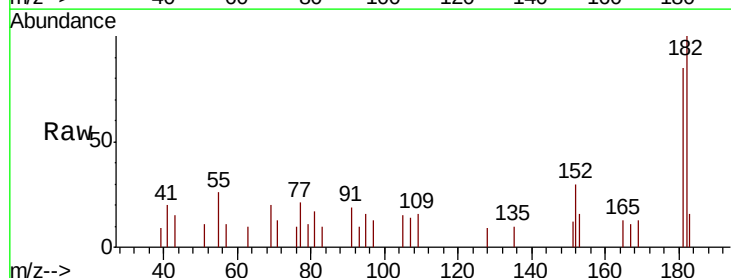
Ion Ratio Lower Upper

77 100

182 480.4 2.3 42.3#

105 73.5 1.3 41.3#

51 52.1 3.5 43.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

5000

4000

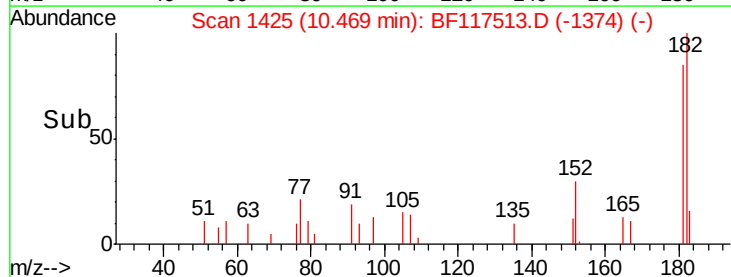
3000

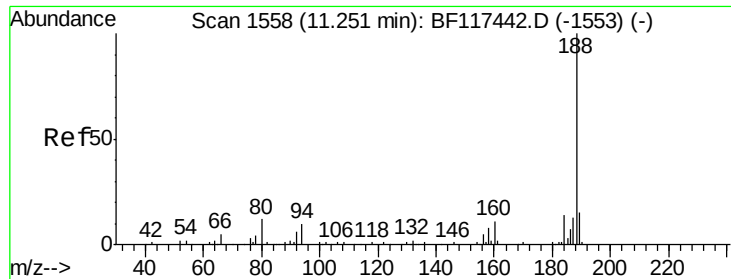
2000

1000

0

Time-->

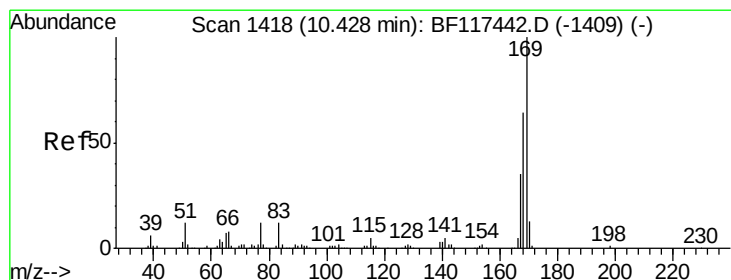
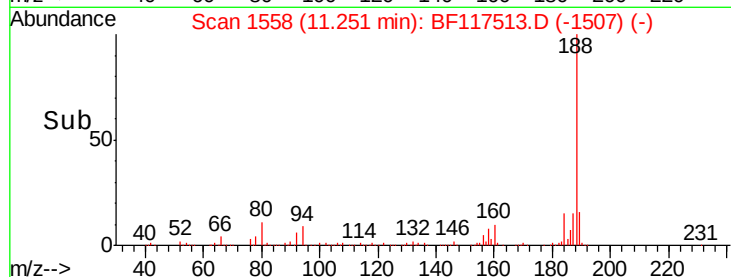
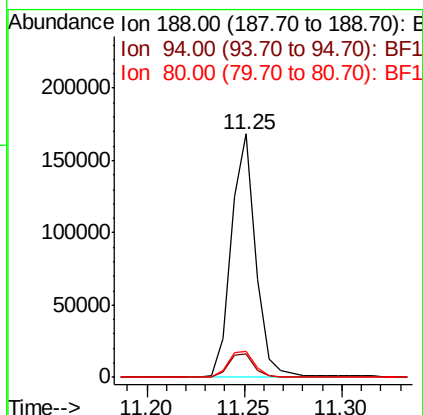
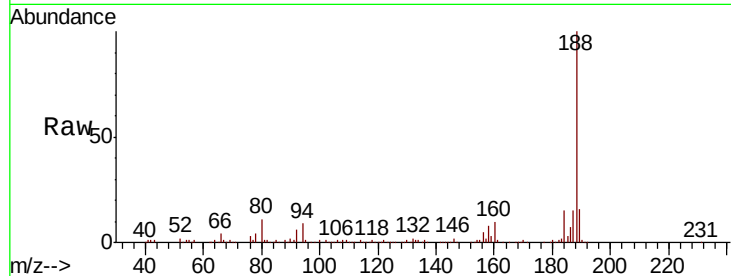




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

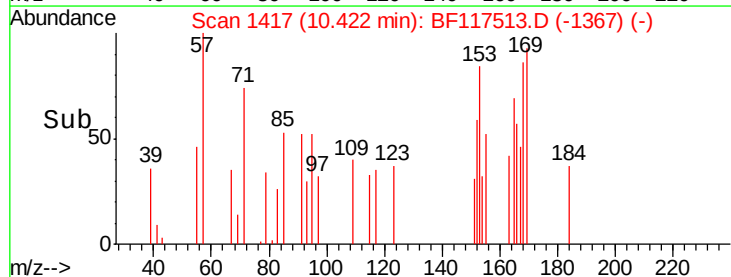
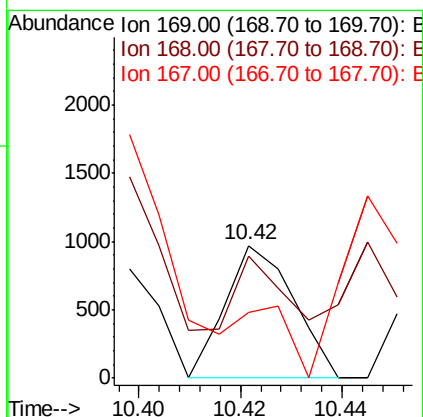
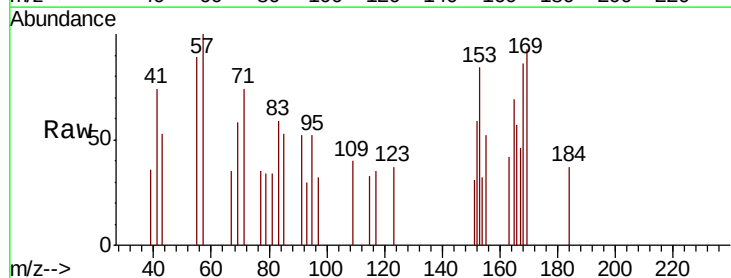
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

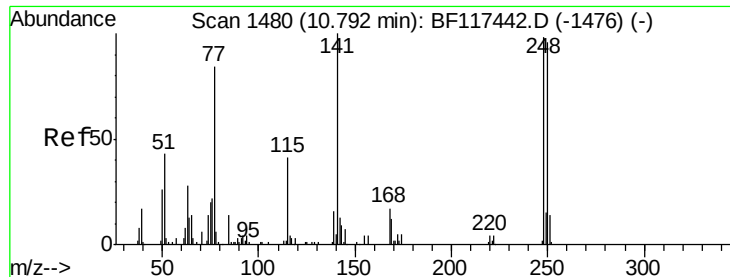
Tot Ion:188 Resp: 146355
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.7 9.5 14.3



#66
n-Nitrosodiphenylamine
Concen: 0.170 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:169 Resp: 910
Ion Ratio Lower Upper
169 100
168 92.1 51.3 76.9#
167 49.6 28.2 42.4#





#67

4-Bromophenyl-phenylether

Concen: 2.997 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

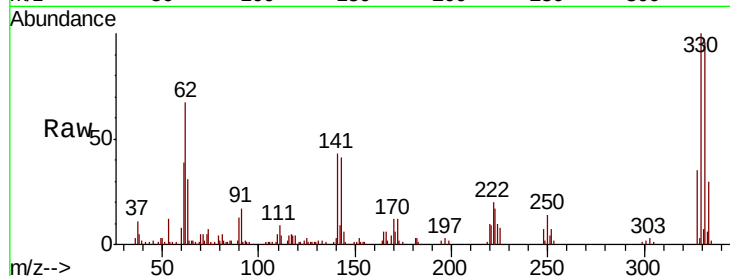
Tot Ion:248 Resp: 4724

Ion Ratio Lower Upper

248 100

250 203.7 78.0 117.0#

141 655.6 81.7 122.5#

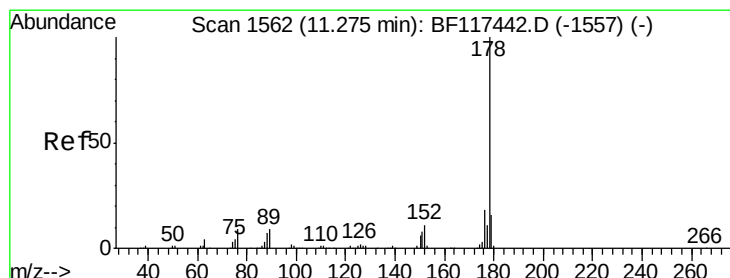
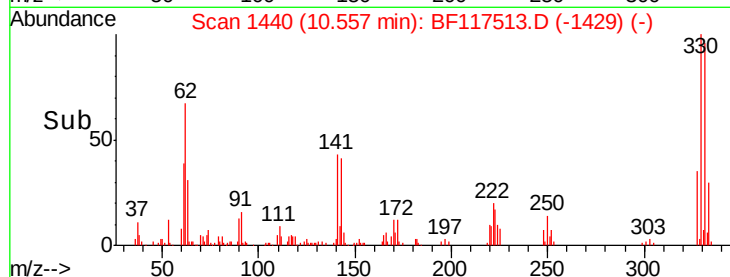
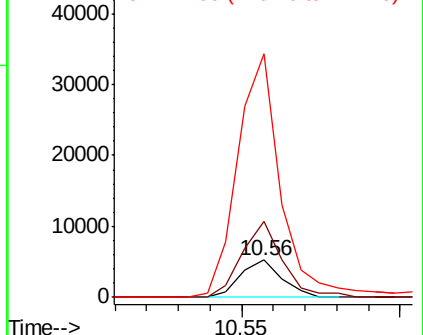


Abundance

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: 16.039 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

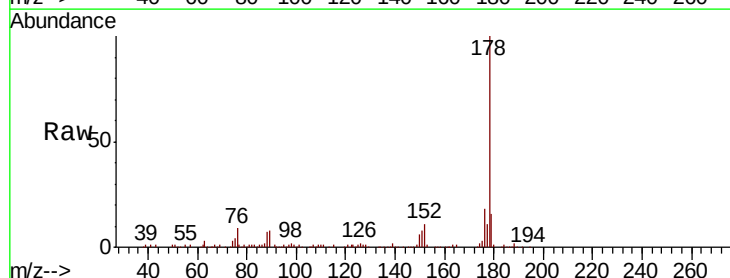
Tgt Ion:178 Resp: 136308

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

179 15.6 12.6 19.0

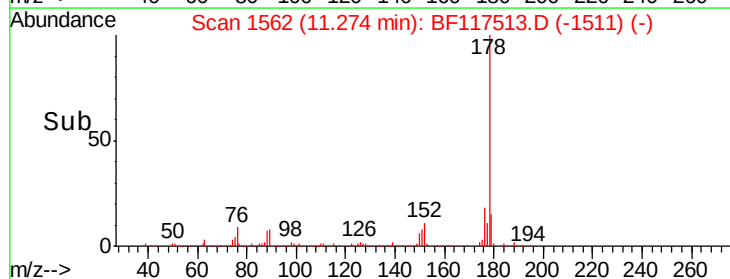
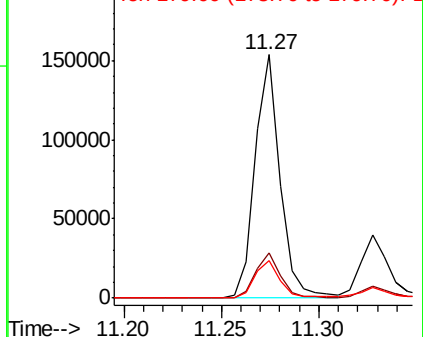


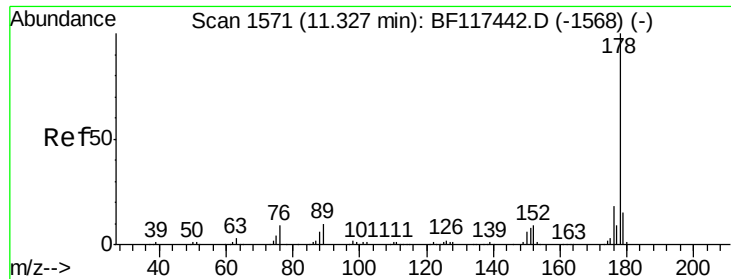
Abundance

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: 4.641 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

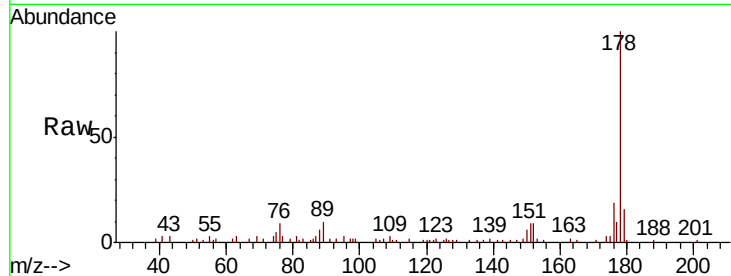
Tot Ion:178 Resp: 40466

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

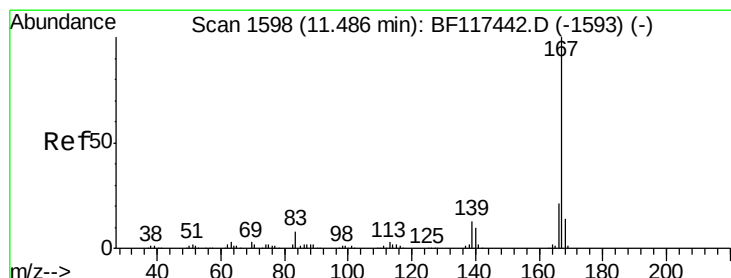
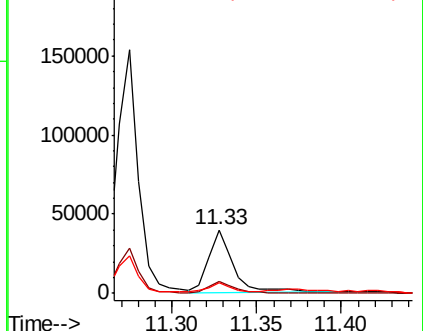
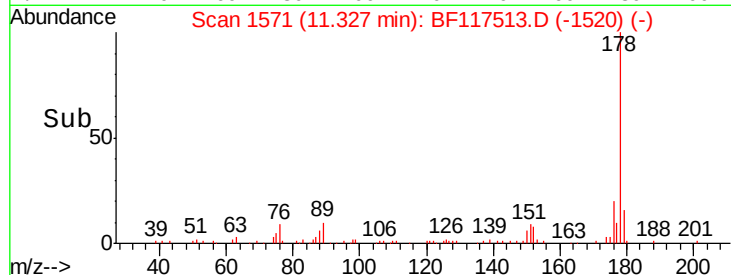
179 15.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 1.307 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

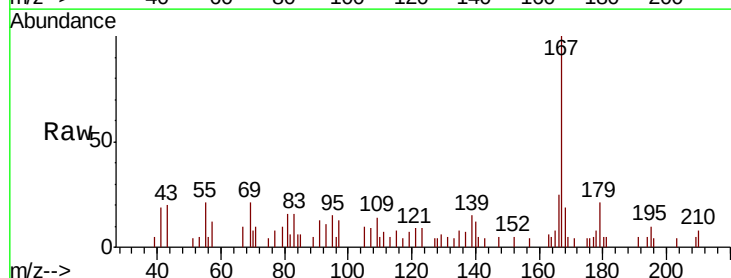
Tgt Ion:167 Resp: 10414

Ion Ratio Lower Upper

167 100

166 25.2 17.0 25.6

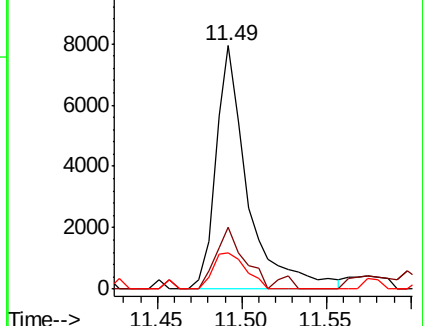
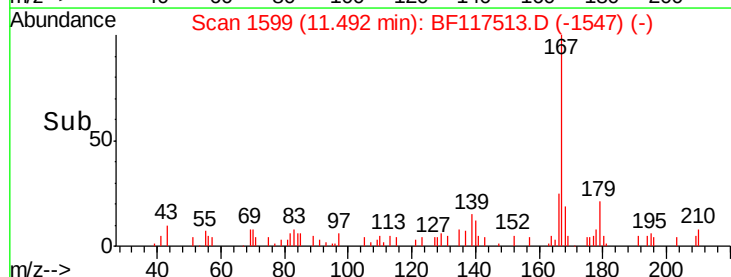
139 14.7 10.6 16.0

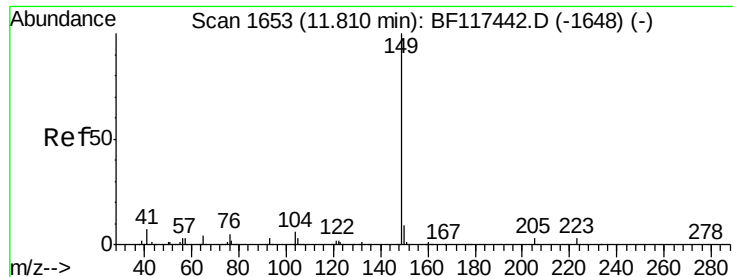


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

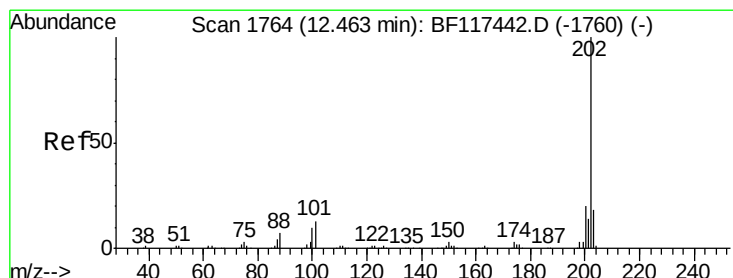
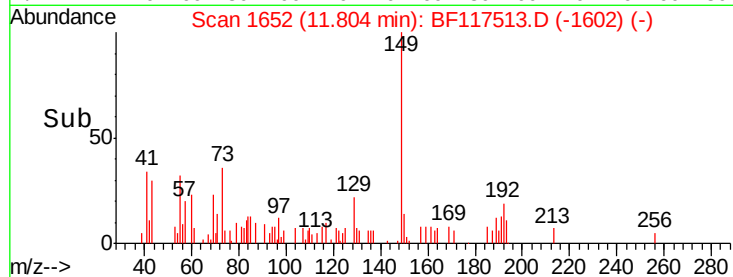
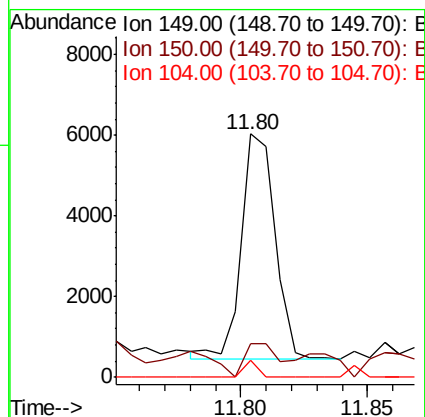
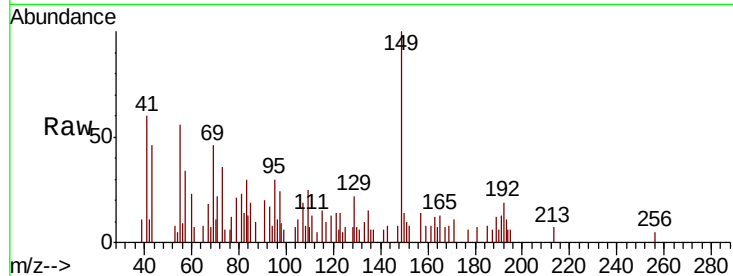




#74
Di-n-butylphthalate
Concen: 0.481 ng
RT: 11.80 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

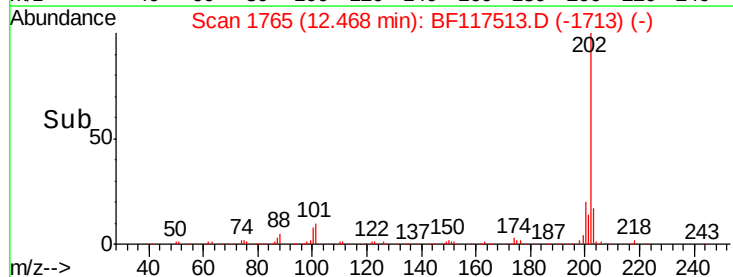
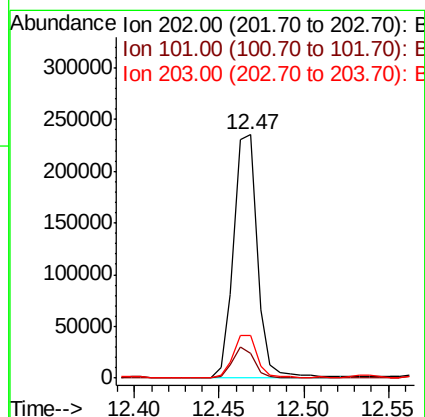
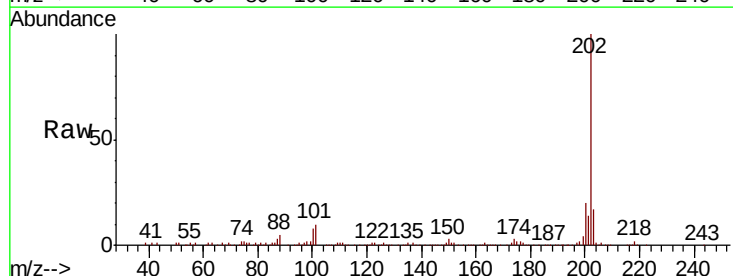
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

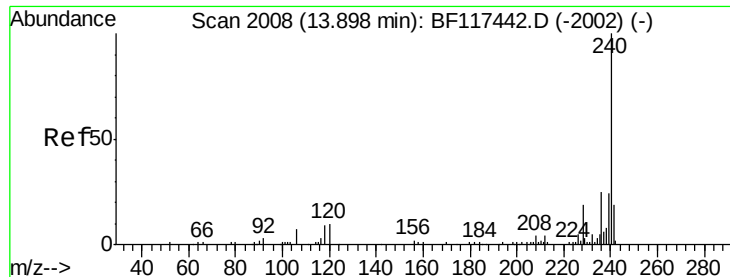
Tot Ion:149 Resp: 5119
Ion Ratio Lower Upper
149 100
150 13.9 7.5 11.3#
104 6.9 4.6 6.8#



#75
Fluoranthene
Concen: 26.986 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:202 Resp: 229586
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.7
203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

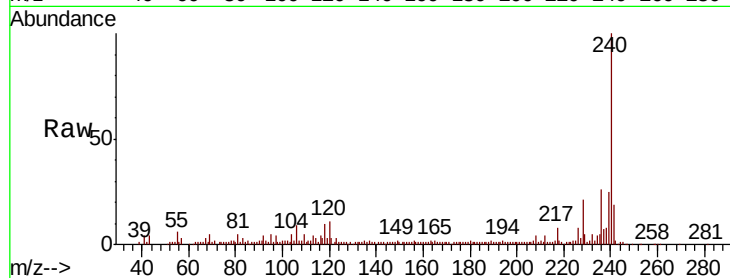
Tot Ion:240 Resp: 92225

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

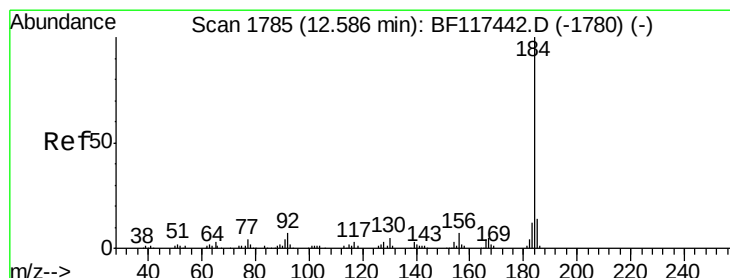
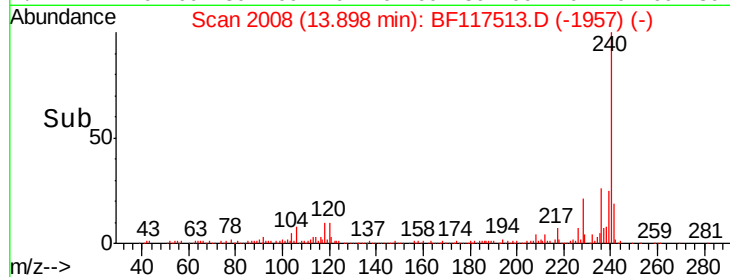
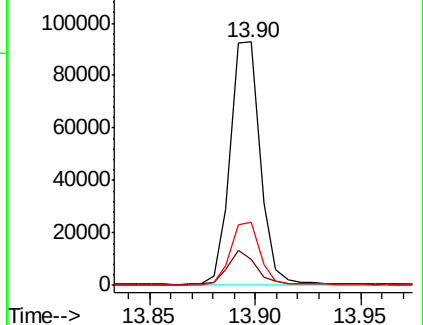
236 25.8 20.0 30.0



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# 1827

Delta R.T. 0.25 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

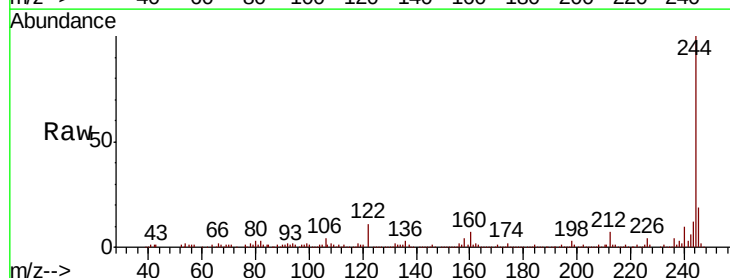
Tgt Ion:184 Resp: 3370

Ion Ratio Lower Upper

184 100

185 20.7 11.4 17.0#

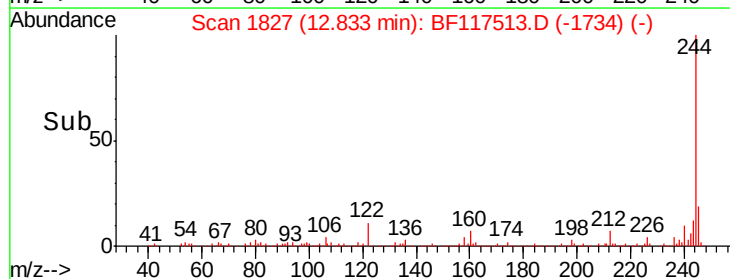
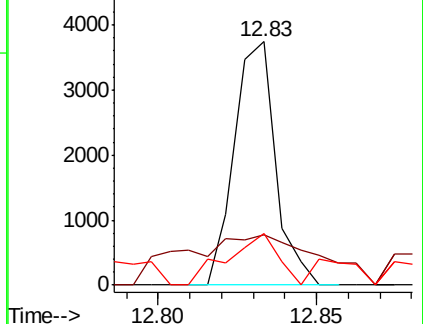
183 21.0 9.6 14.4#

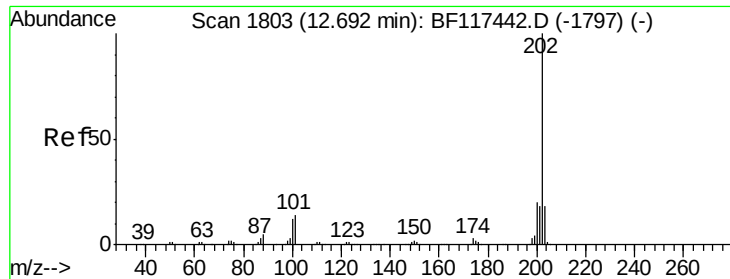


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 27.269 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

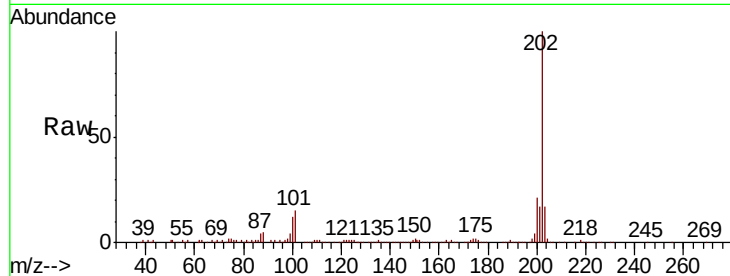
Tot Ion:202 Resp: 216018

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

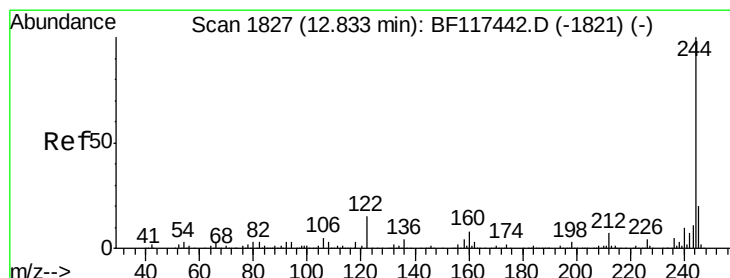
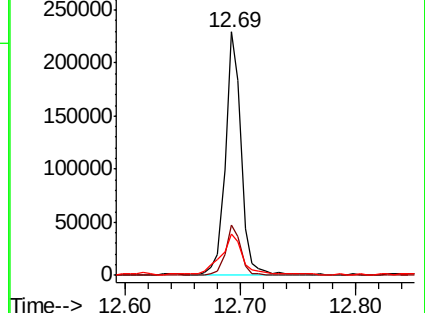
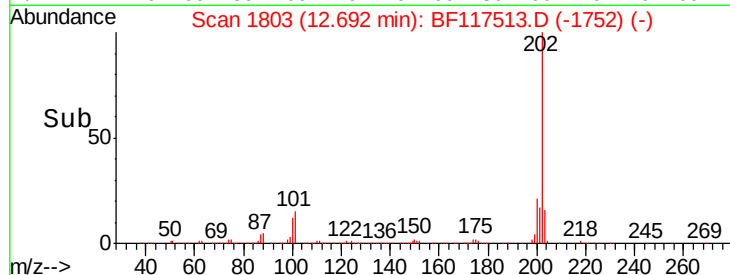
203 16.9 14.0 21.0



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: 39.005 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

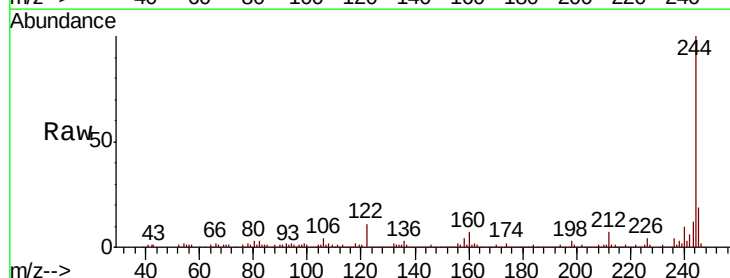
Tgt Ion:244 Resp: 220539

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

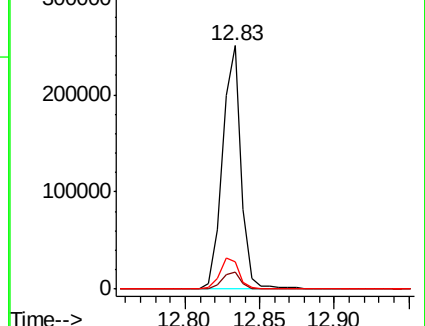
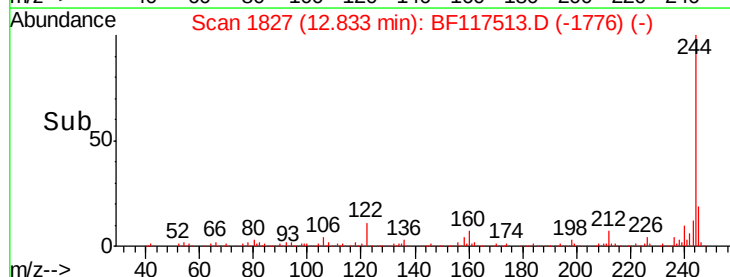
122 11.4 11.8 17.8#

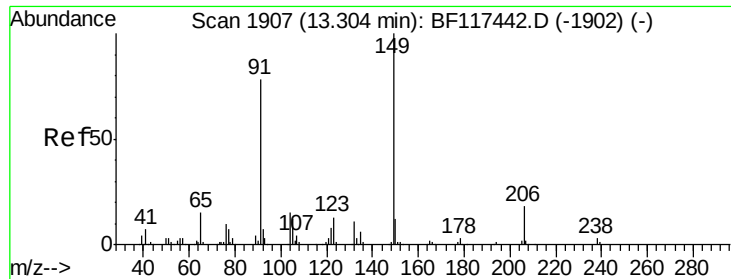


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

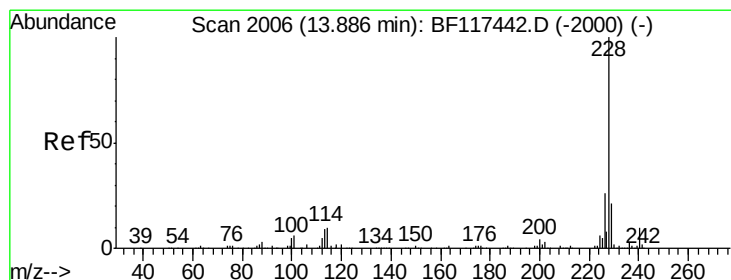
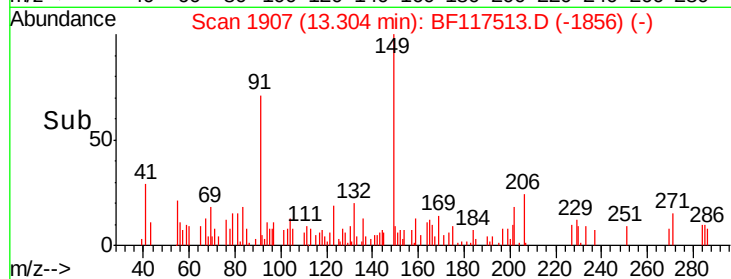
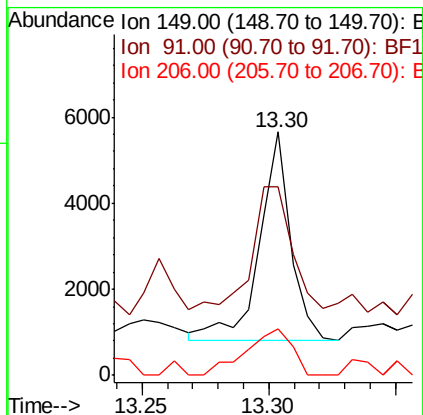
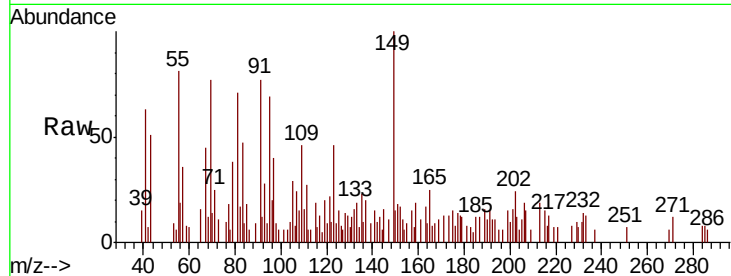




#80
Butylbenzylphthalate
Concen: 1.068 ng
RT: 13.30 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

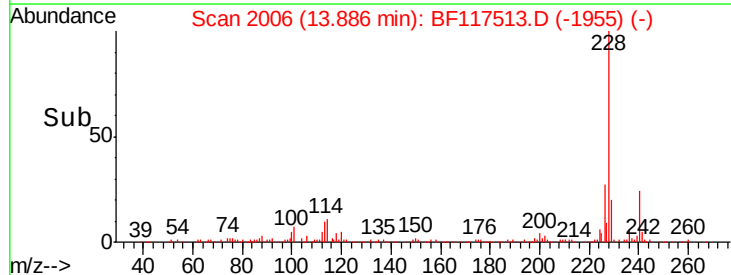
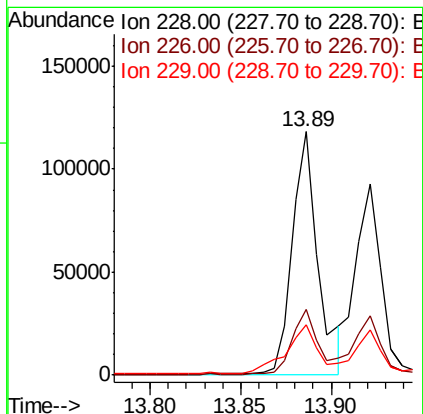
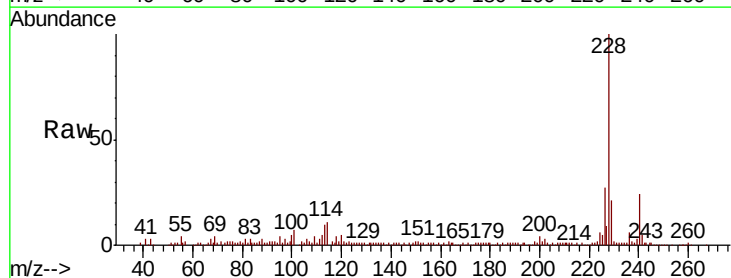
Instrument :
BNA_F
ClientSampleId :
193-10-(0-1)

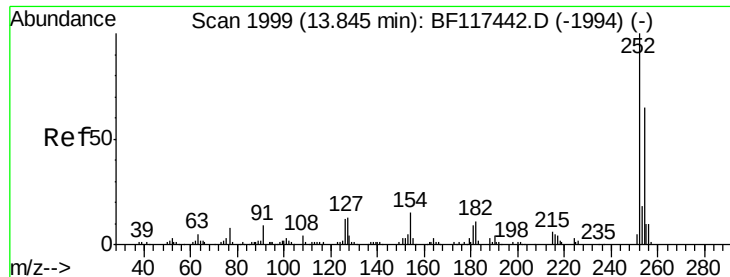
Tot Ion:149 Resp: 4212
Ion Ratio Lower Upper
149 100
91 77.5 62.1 93.1
206 18.9 14.3 21.5



#81
Benzo(a)anthracene
Concen: 18.945 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117513.D
Acq: 24 Oct 2019 16:40

Tgt Ion:228 Resp: 117857
Ion Ratio Lower Upper
228 100
226 27.0 21.0 31.4
229 20.9 16.4 24.6





#82

3,3'-Dichlorobenzidine

Concen: 0.055 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.05 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

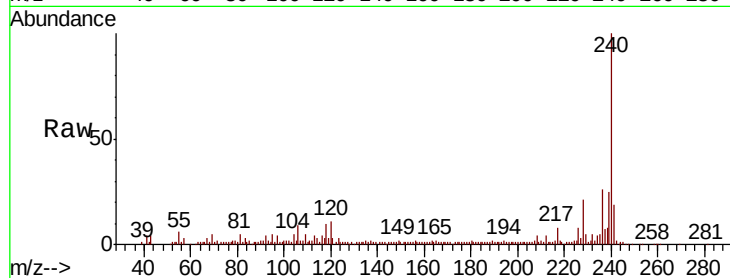
Tot Ion:252 Resp: 107

Ion Ratio Lower Upper

252 100

254 0.0 52.2 78.4#

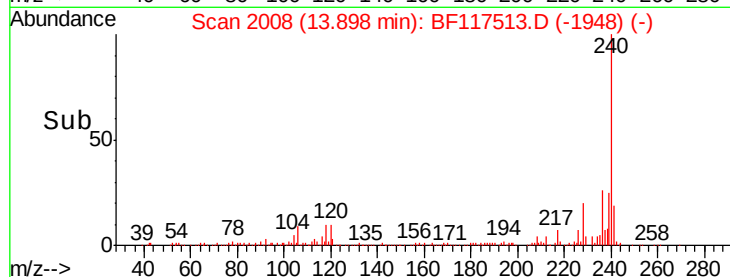
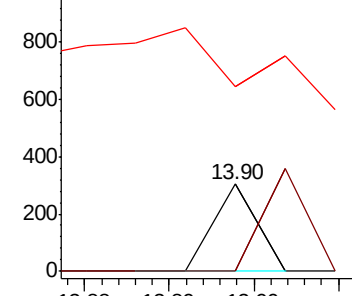
126 212.8 9.2 13.8#



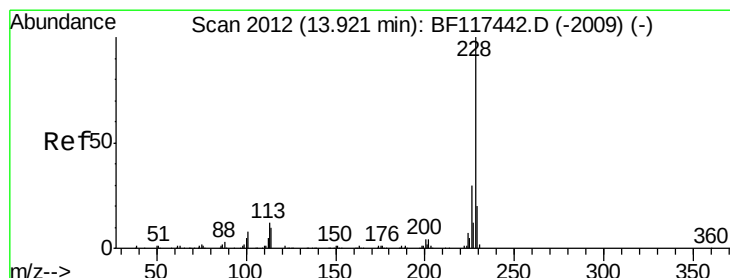
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->



#83

Chrysene

Concen: 19.331 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.04 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

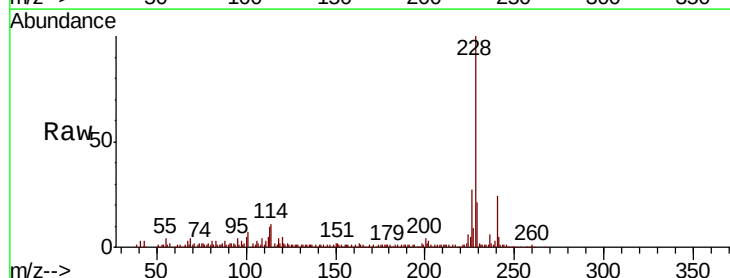
Tgt Ion:228 Resp: 117857

Ion Ratio Lower Upper

228 100

226 27.0 23.9 35.9

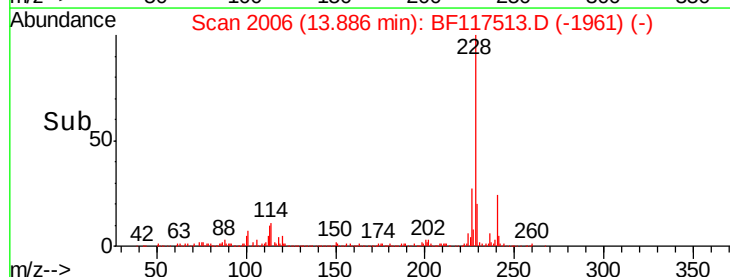
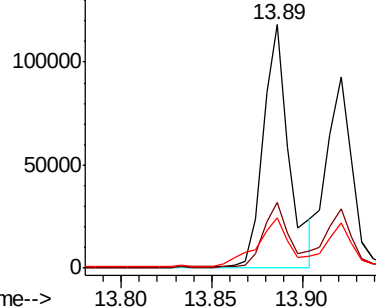
229 20.9 15.8 23.6



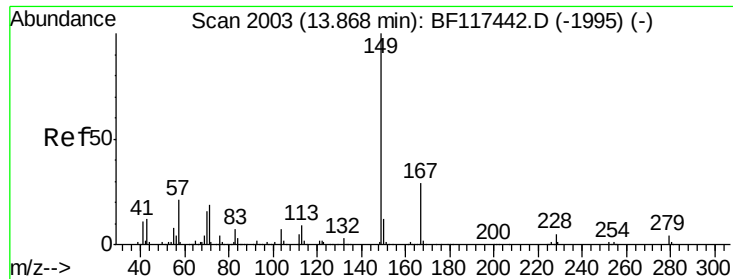
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.944 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

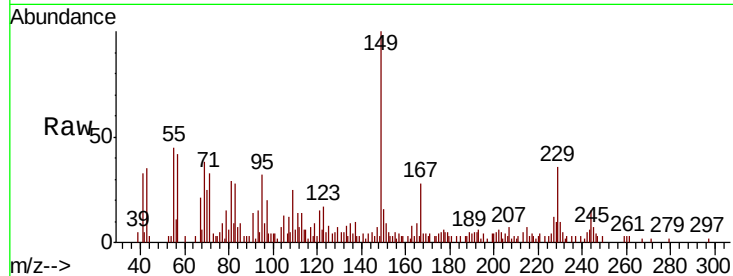
Tot Ion:149 Resp: 10734

Ion Ratio Lower Upper

149 100

167 27.9 23.3 34.9

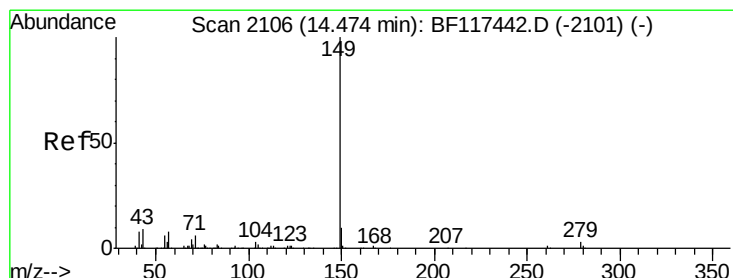
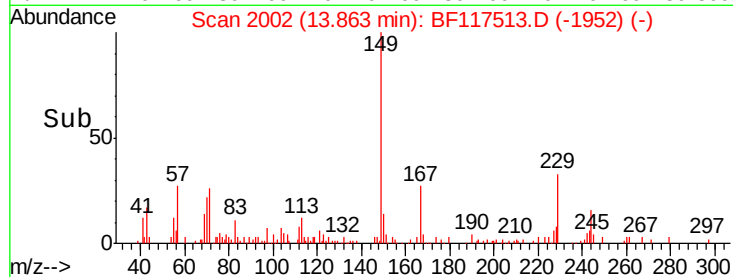
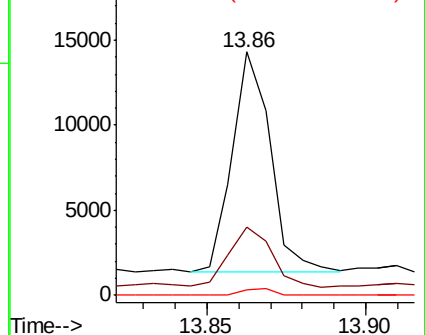
279 2.4 3.2 4.8#



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: 0.174 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

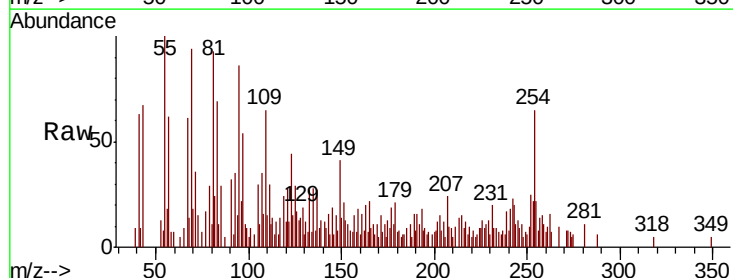
Tgt Ion:149 Resp: 1477

Ion Ratio Lower Upper

149 100

167 19.0 1.2 1.8#

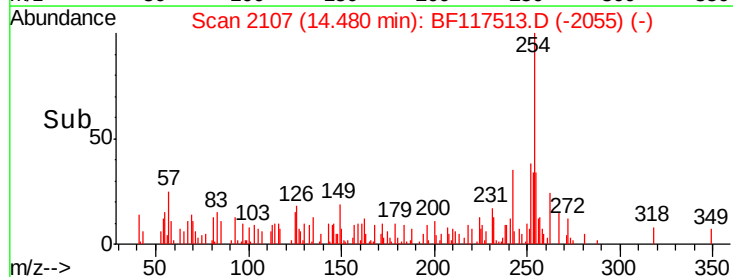
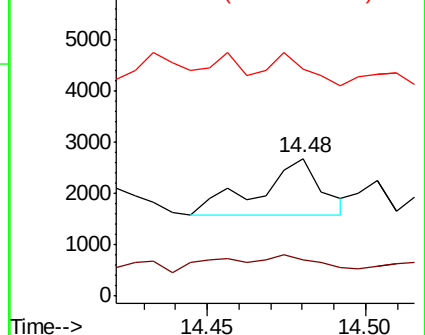
43 0.0 6.8 10.2#

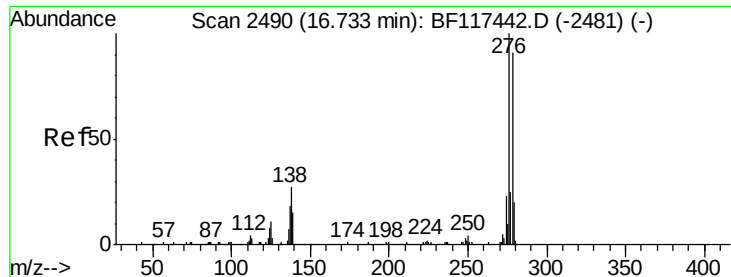


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

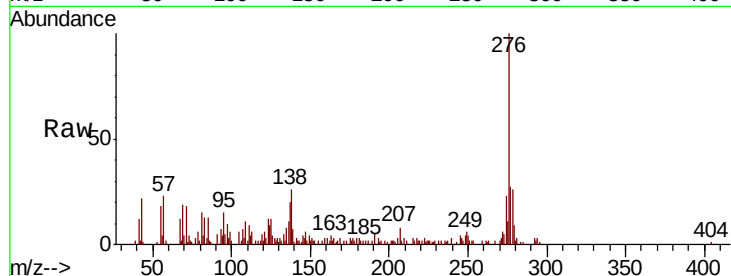




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.345 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117513.D
 Acq: 24 Oct 2019 16:40

Instrument :
 BNA_F
 ClientSampleId :
 193-10-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.8	32.8
277	27.3	20.0	30.0

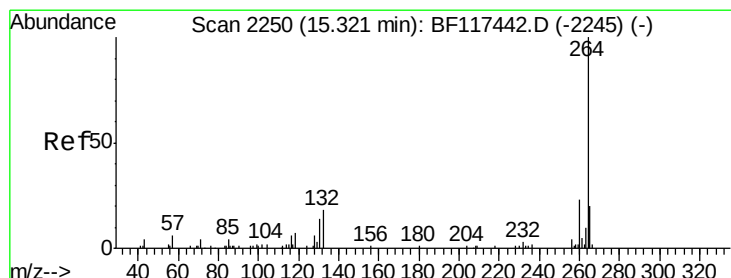
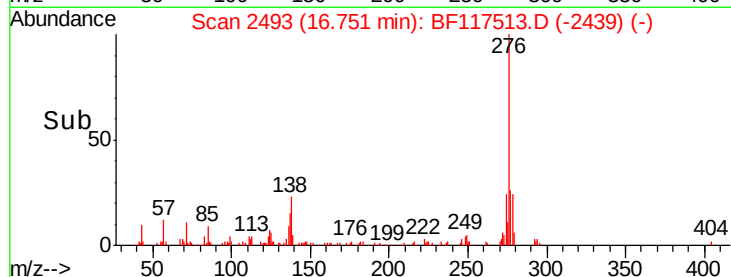
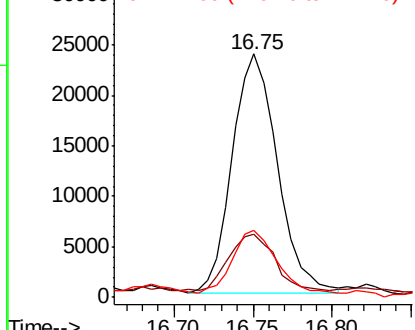


Abundance

Ion 276.00 (275.70 to 276.70): E

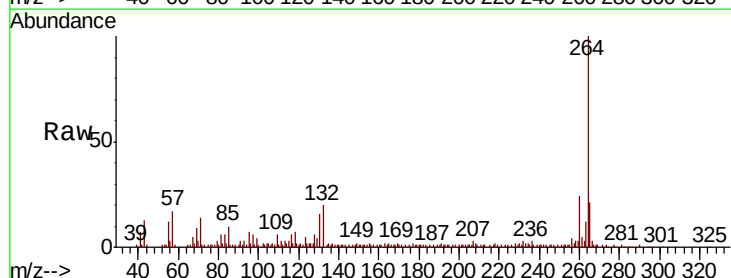
Ion 138.00 (137.70 to 138.70): E

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: BF117513.D
 Acq: 24 Oct 2019 16:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.4	27.6
265	21.1	16.1	24.1

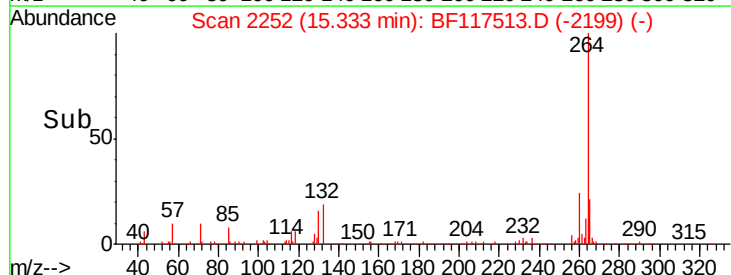
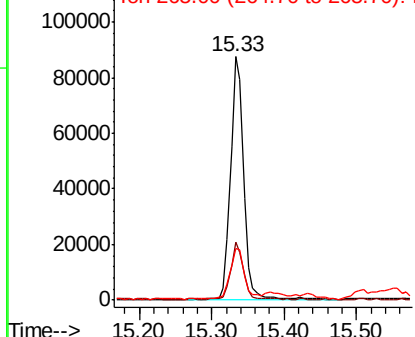


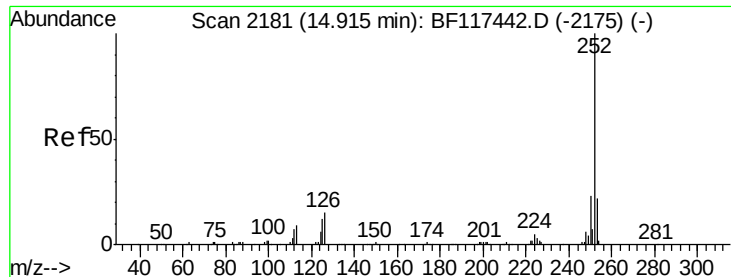
Abundance

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: 25.198 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

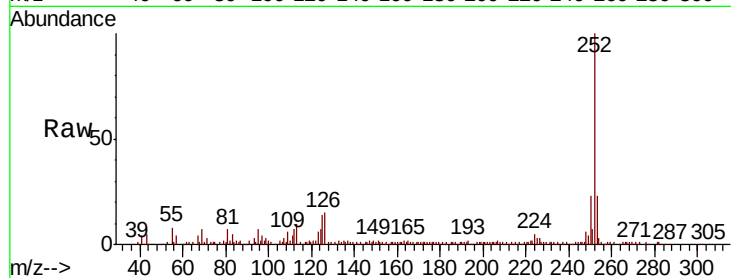
Tot Ion:252 Resp: 167352

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

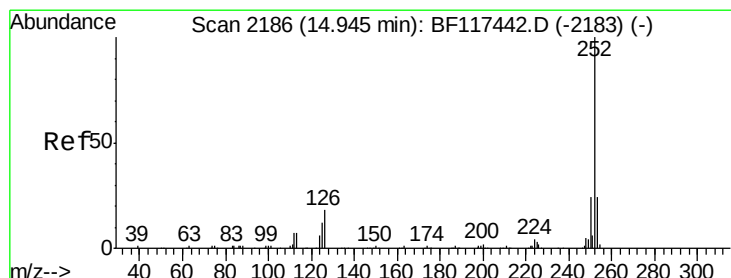
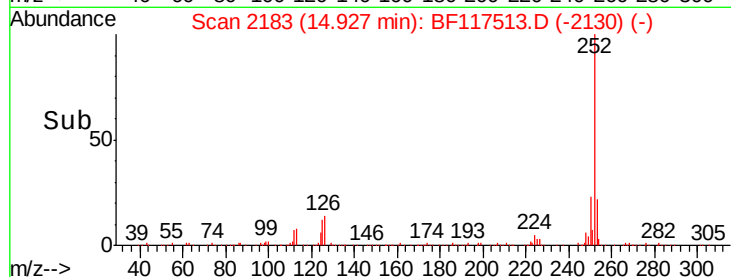
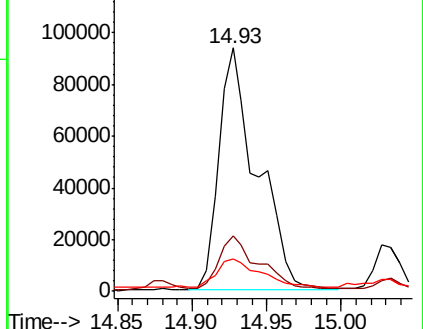
125 13.5 9.9 14.9



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: 24.584 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

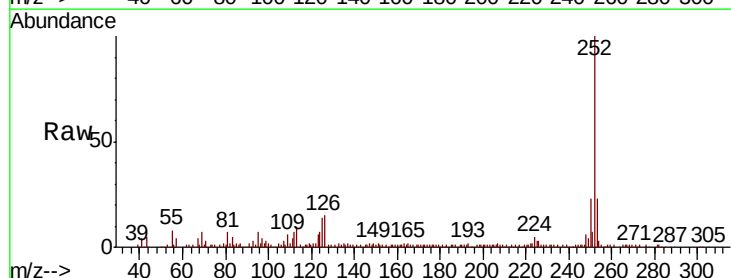
Tgt Ion:252 Resp: 167352

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

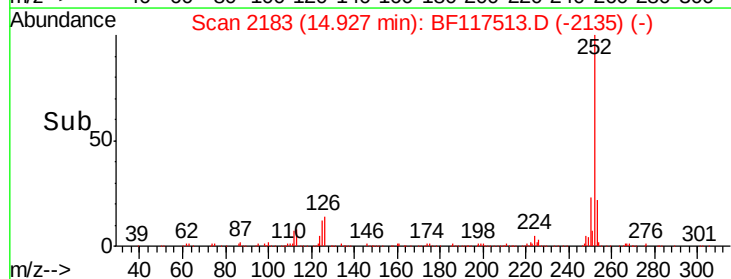
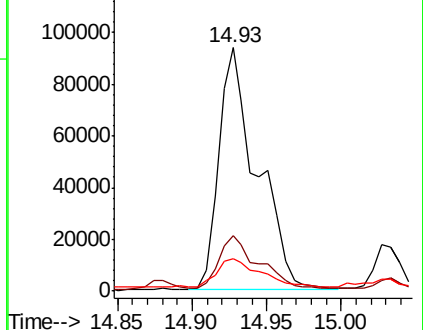
125 13.5 8.9 13.3#

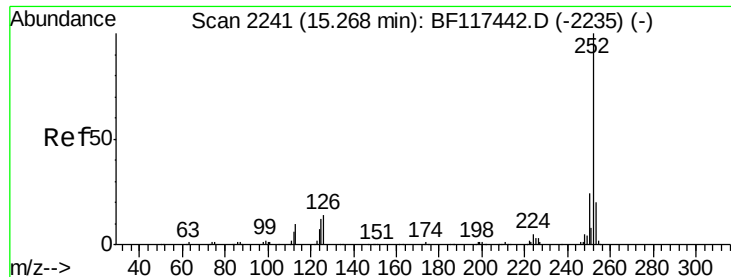


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 15.839 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

Instrument :

BNA_F

ClientSampleId :

193-10-(0-1)

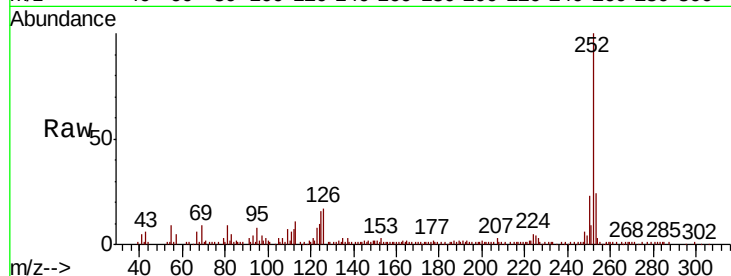
Tot Ion:252 Resp: 95645

Ion Ratio Lower Upper

252 100

253 23.6 16.3 24.5

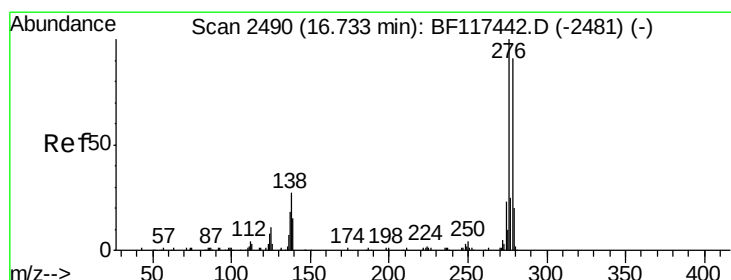
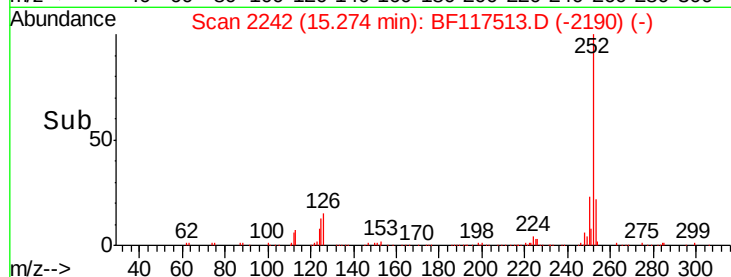
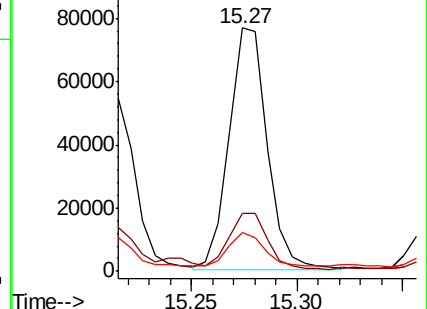
125 16.0 9.2 13.8#



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: 2.498 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117513.D

Acq: 24 Oct 2019 16:40

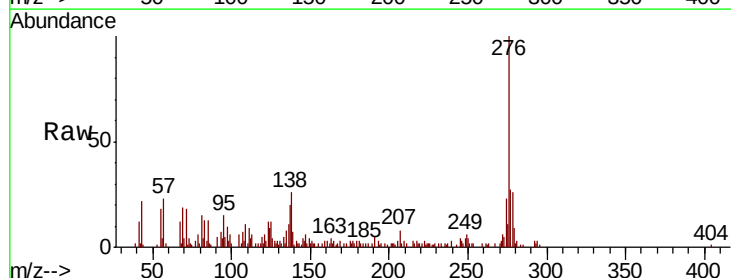
Tgt Ion:278 Resp: 13042

Ion Ratio Lower Upper

278 100

139 25.4 13.4 20.0#

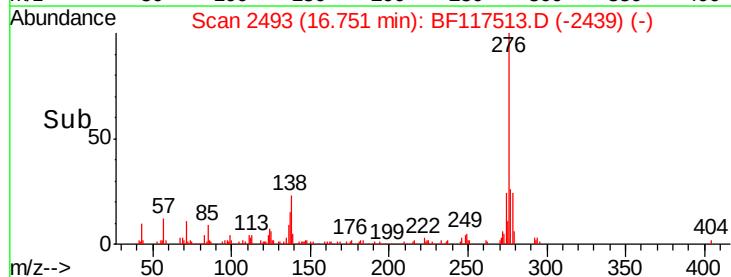
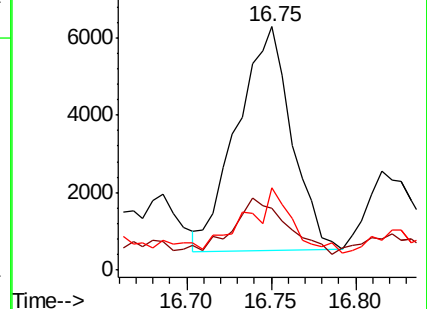
279 33.7 17.8 26.6#

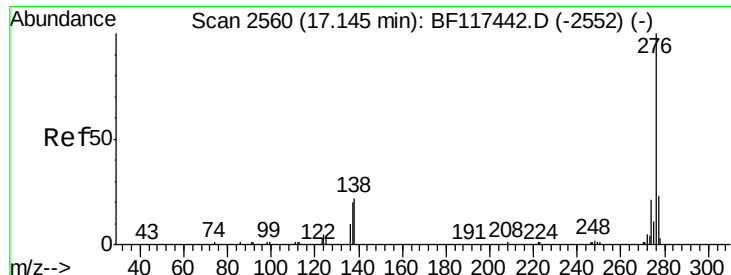


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.220 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117513.D
 Acq: 24 Oct 2019 16:40

Instrument :
 BNA_F
 ClientSampleId :
 193-10-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.4	27.6#
138	32.5	17.8	26.6#

