

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117893.D
 Acq On : 20 Nov 2019 15:19
 Operator : JU
 Sample : K5676-16DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 16:05:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	187855	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	768448	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	413285	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	642251	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	419446	20.00	ng	0.00
87) Perylene-d12	15.62	264	515373	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	263361	24.82	ng	-0.02
7) Phenol-d6	6.53	99	342807	26.78	ng	-0.02
23) Nitrobenzene-d5	7.47	82	200517	15.51	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	95823	21.90	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	413974	17.97	ng	-0.01
79) Terphenyl-d14	13.04	244	407009	17.73	ng	-0.01

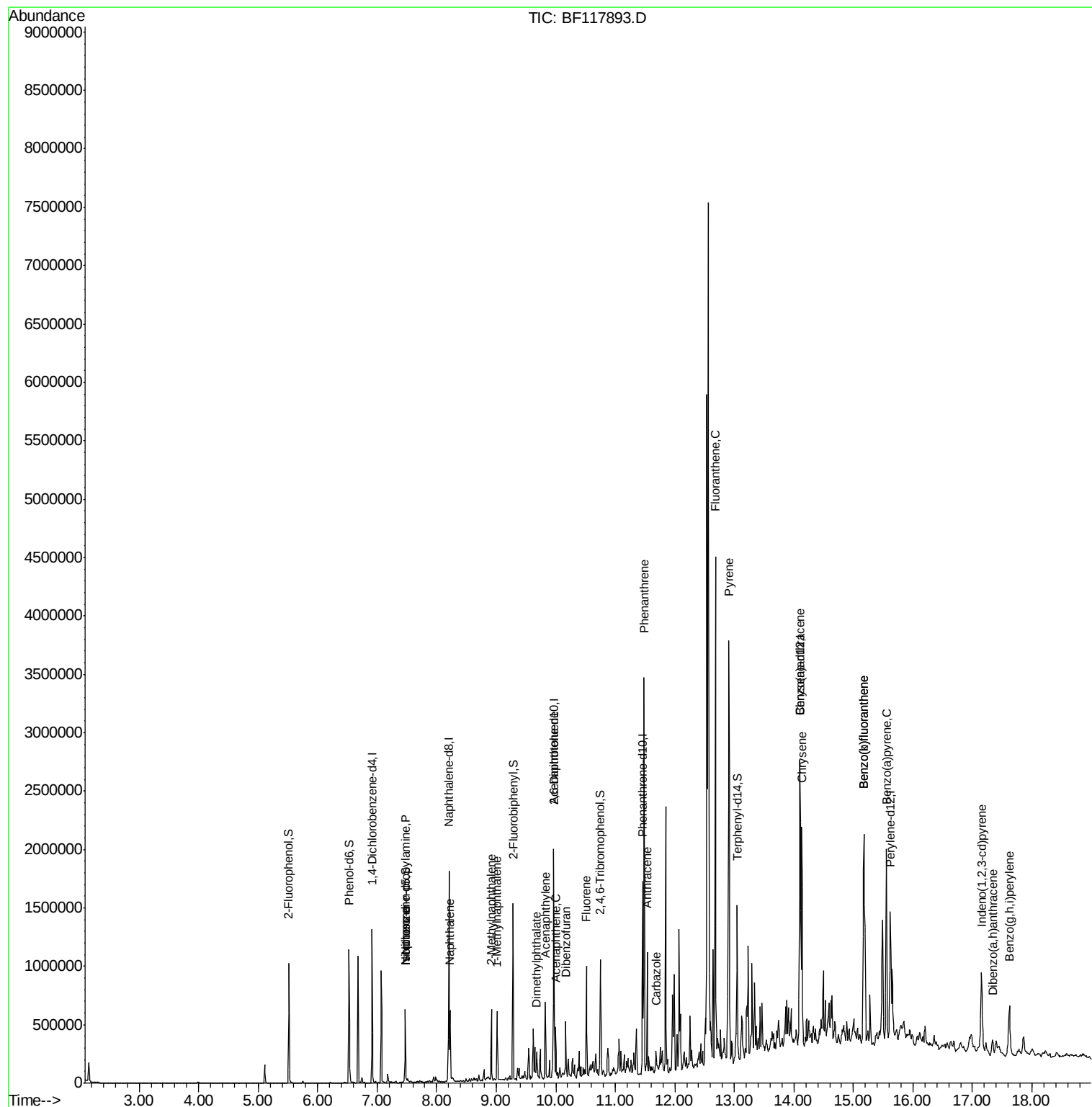
Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	360	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.47	70	26156	3.312 ng	#	81
25) Isophorone	7.47	82	198208	8.366 ng	#	62
31) Naphthalene	8.22	128	243736	6.804 ng		97
37) 2-Methylnaphthalene	8.92	142	146417	6.049 ng		98
38) 1-Methylnaphthalene	9.02	142	142069	6.208 ng		99
49) Acenaphthylene	9.83	152	247299	6.725 ng		99
50) Dimethylphthalate	9.67	163	66429	2.292 ng		97
51) 2,6-Dinitrotoluene	9.96	165	58685	9.265 ng	#	24
52) Acenaphthene	10.00	154	71533	3.036 ng		99
55) Dibenzofuran	10.17	168	122384	3.752 ng		97
58) Fluorene	10.52	166	233887	9.252 ng		98
71) Phenanthrene	11.49	178	1156093	35.803 ng		98
72) Anthracene	11.53	178	351414	10.977 ng		98
73) Carbazole	11.69	167	59656	2.132 ng		99
75) Fluoranthene	12.68	202	1558162	54.595 ng		99
78) Pyrene	12.91	202	1459336	43.051 ng		99
81) Benzo(a)anthracene	14.10	228	821094	29.624 ng		94
83) Chrysene	14.13	228	663259	24.695 ng		98
86) Indeno(1,2,3-cd)pyrene	17.15	276	446344	19.526 ng		95
88) Benzo(b)fluoranthene	15.17	252	1397626	41.740 ng		99
89) Benzo(k)fluoranthene	15.17	252	1397626	44.299 ng		98
90) Benzo(a)pyrene	15.56	252	813186	27.618 ng		99
91) Dibenzo(a,h)anthracene	17.34	278	93776	3.700 ng		96
92) Benzo(g,h,i)perylene	17.62	276	357039	14.145 ng		98

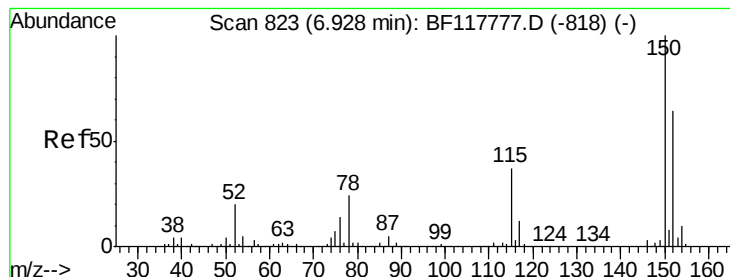
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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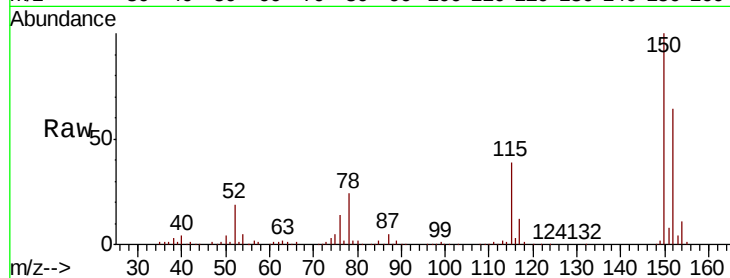


#1

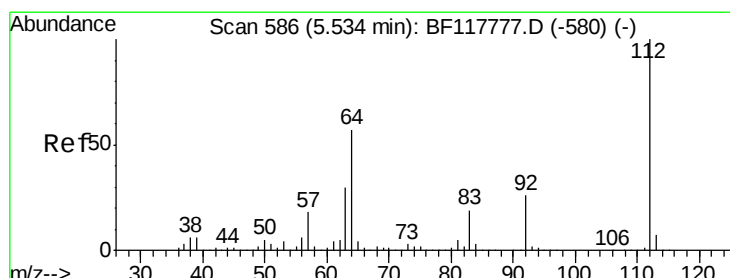
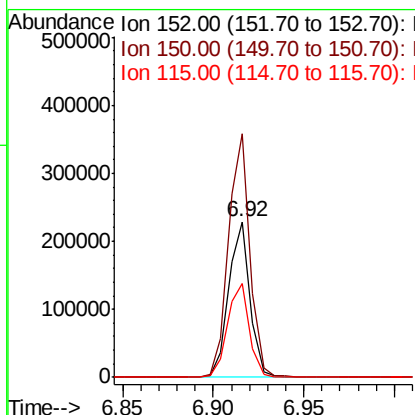
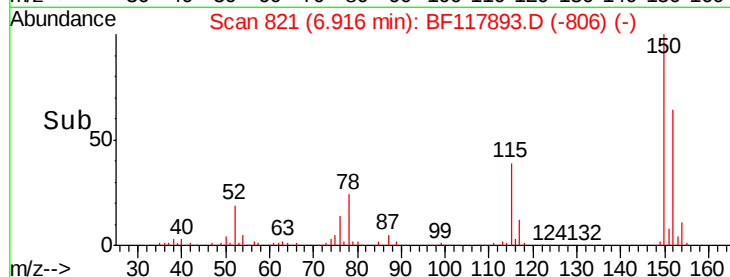
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 187855
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 60.4 47.0 70.4



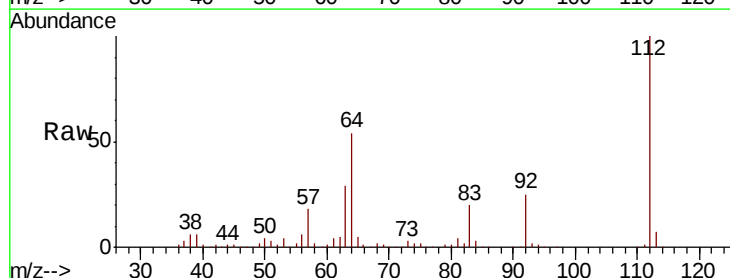
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



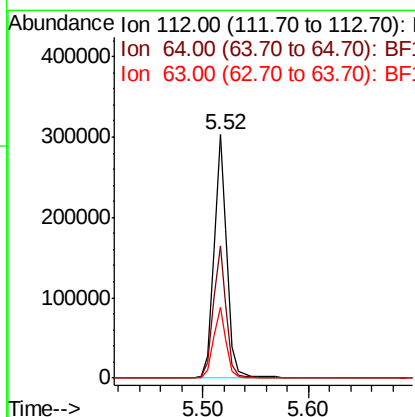
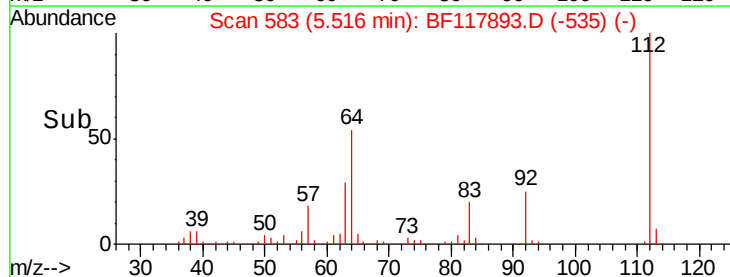
#5

2-Fluorophenol
Concen: 24.816 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion:112 Resp: 263361
Ion Ratio Lower Upper
112 100
64 54.5 45.6 68.4
63 28.8 24.1 36.1



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: 26.781 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampled :

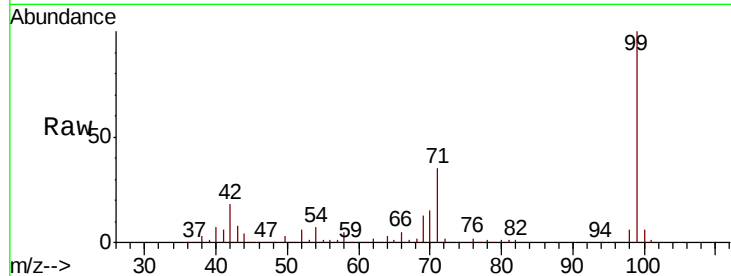
Tot Ion: 99 Resp: 342807

Ion Ratio Lower Upper

99 100

42 18.0 14.9 22.3

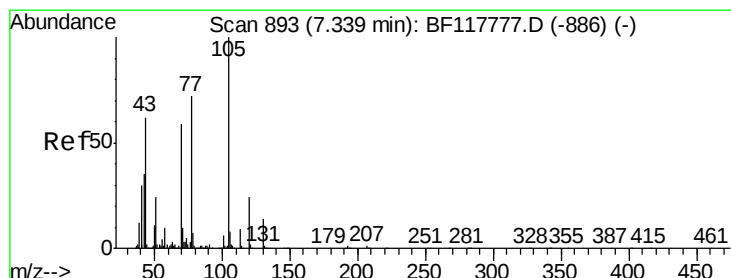
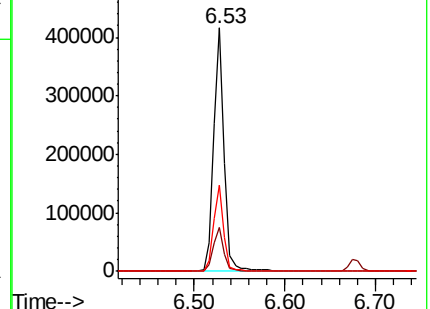
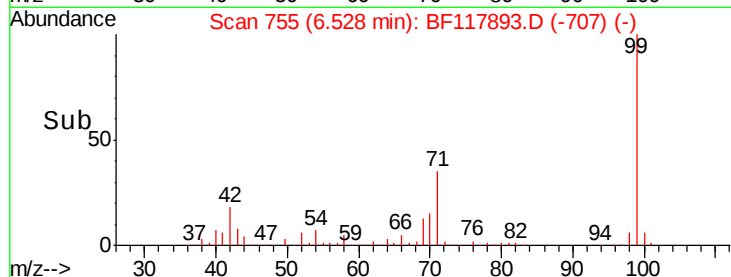
71 35.4 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.312 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.13 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Tgt Ion: 70 Resp: 26156

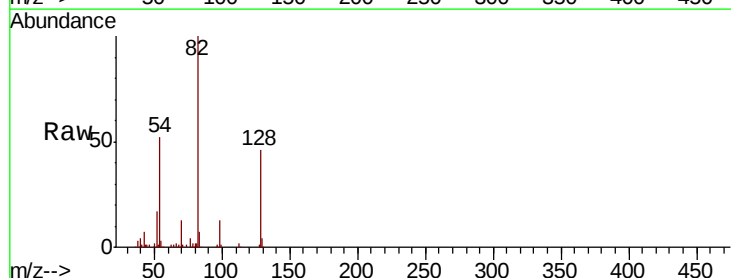
Ion Ratio Lower Upper

70 100

42 53.1 47.4 71.2

101 0.0 8.4 12.6#

130 3.7 18.8 28.2#

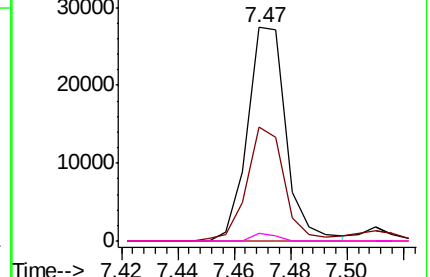
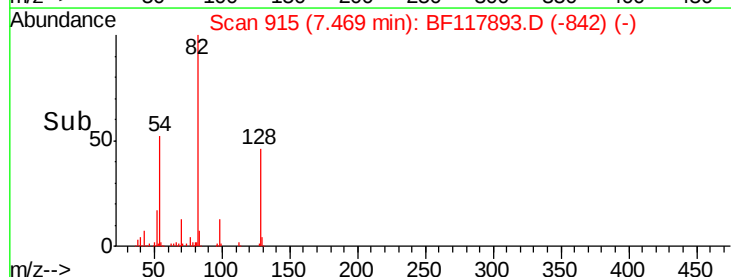


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

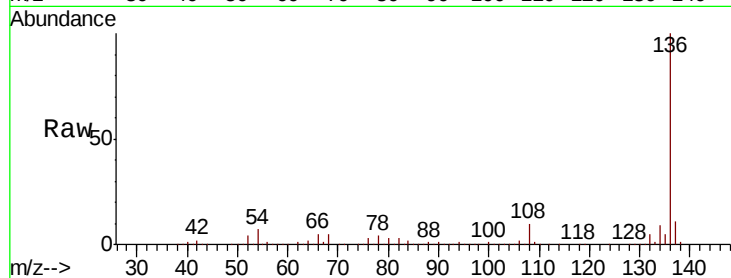




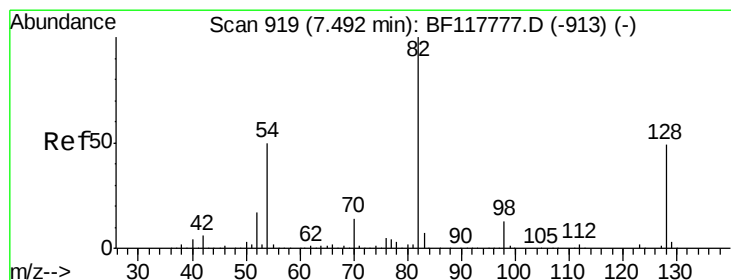
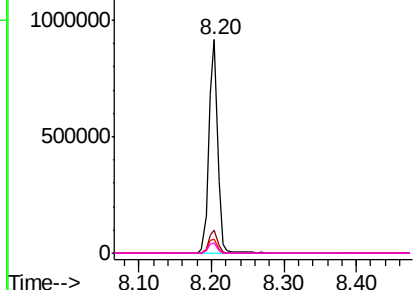
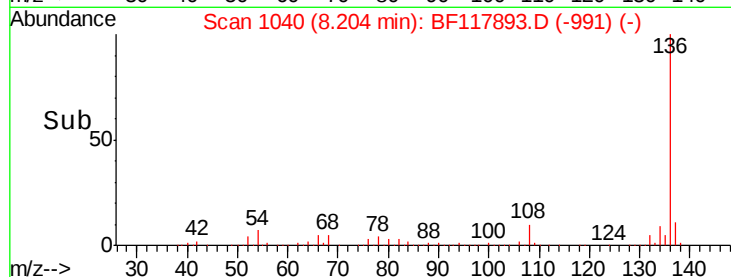
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	768448
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	6.8	5.4 8.2
68	4.9	4.3 6.5

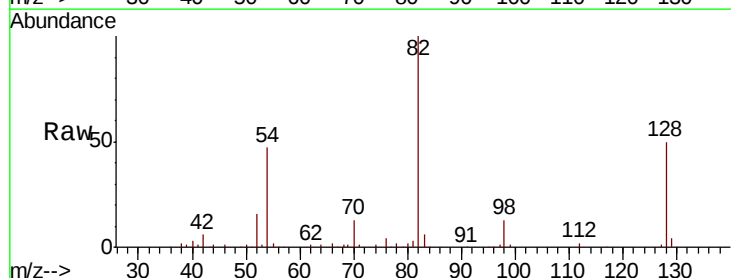


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

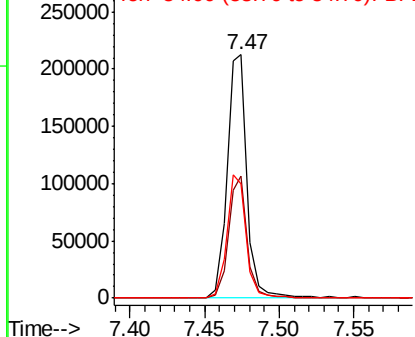
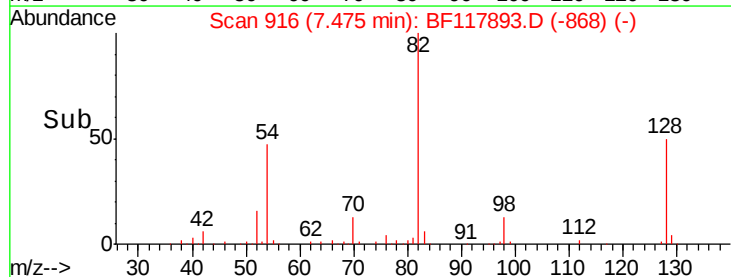


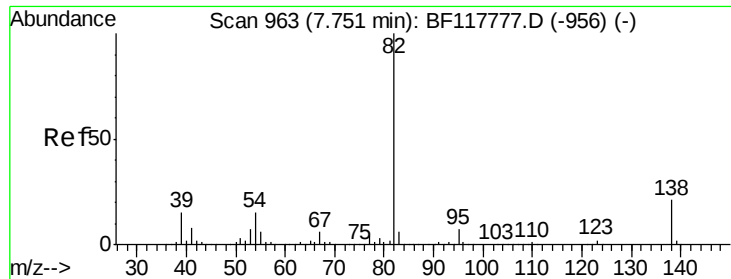
#23
Nitrobenzene-d5
Concen: 15.512 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion: 82	Resp:	200517
Ion Ratio	Lower	Upper
82	100	
128	50.0	38.9 58.3
54	46.9	39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.366 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

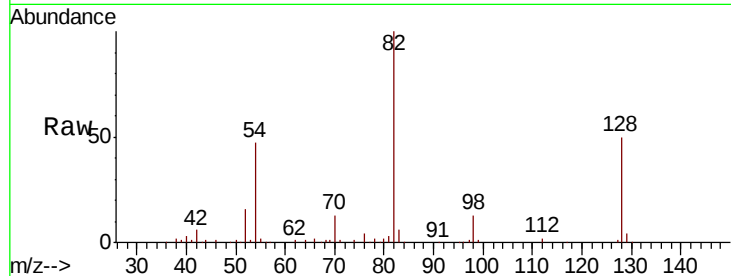
Tot Ion: 82 Resp: 198208

Ion Ratio Lower Upper

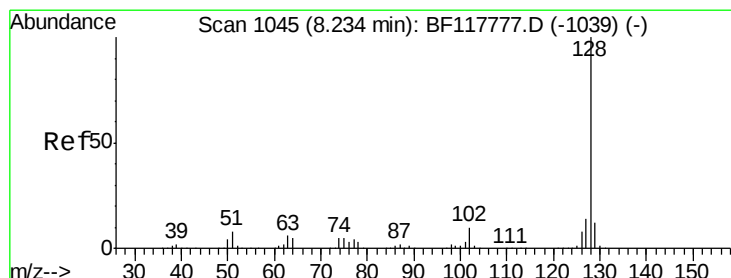
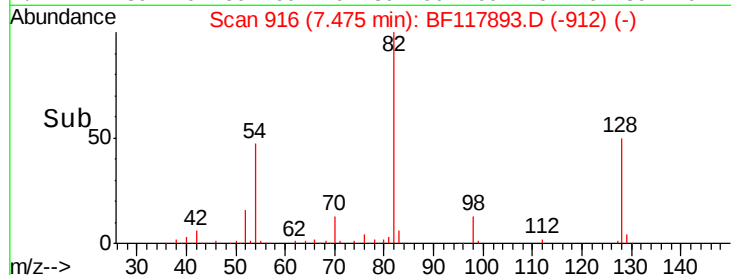
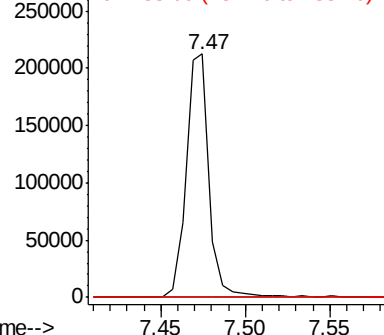
82 100

95 0.1 5.8 8.8#

138 0.0 16.5 24.7#



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: 6.804 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

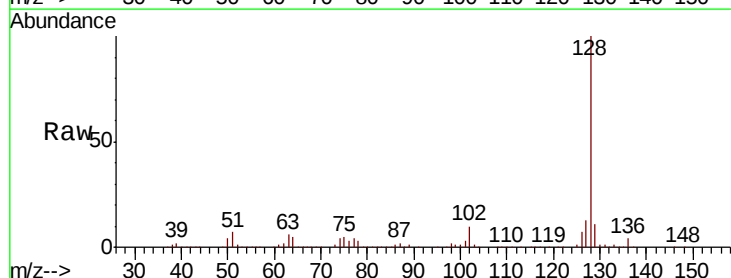
Tgt Ion: 128 Resp: 243736

Ion Ratio Lower Upper

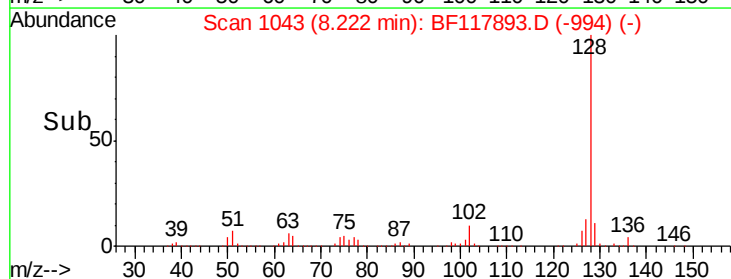
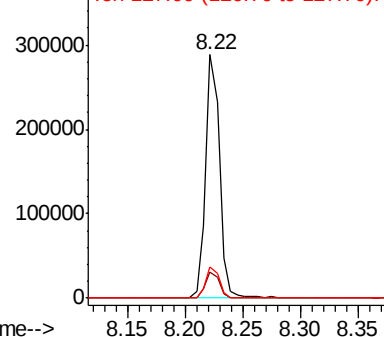
128 100

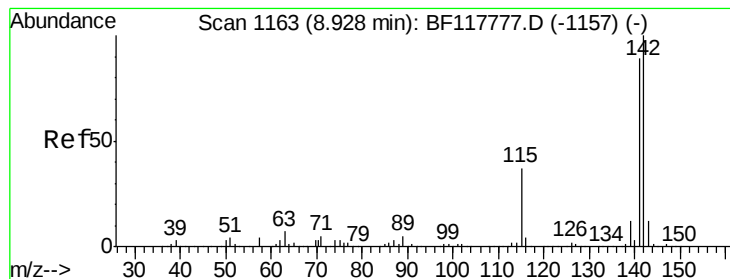
129 10.9 9.5 14.3

127 13.0 11.3 16.9



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

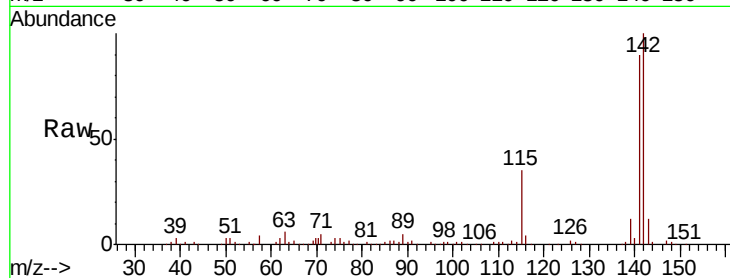




#37
2-Methylnaphthalene
Concen: 6.049 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.1	106.7
115	35.3	29.2	43.8

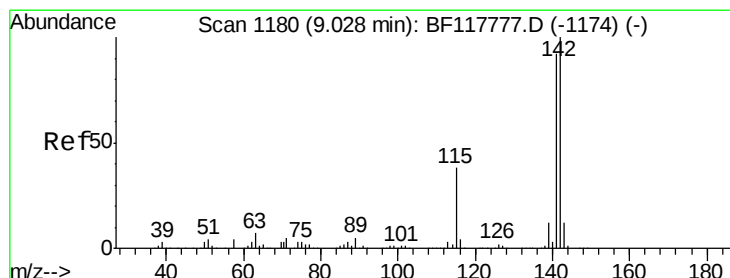
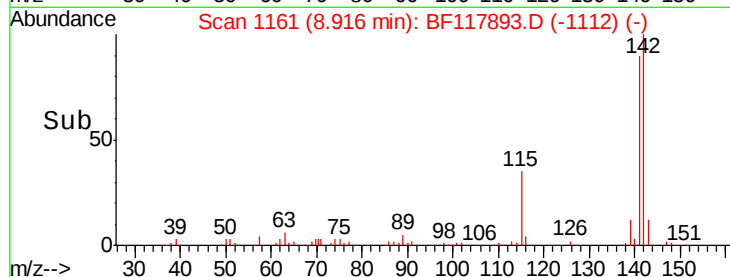
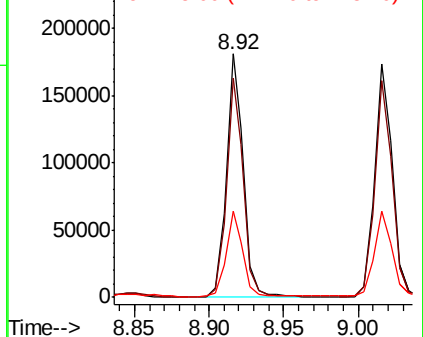


Abundance

Ion 142.00 (141.70 to 142.70): E

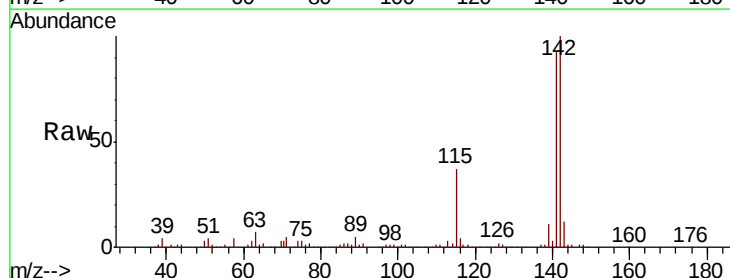
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 6.208 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.5	110.3
116	4.0	3.2	4.8

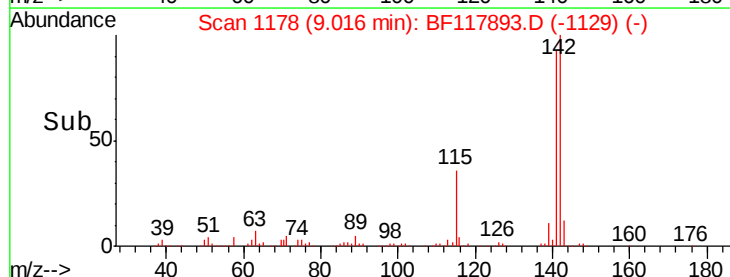
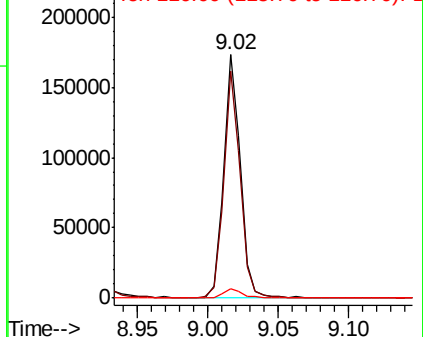


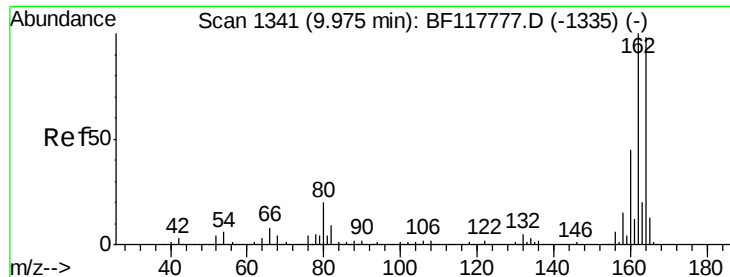
Abundance

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: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

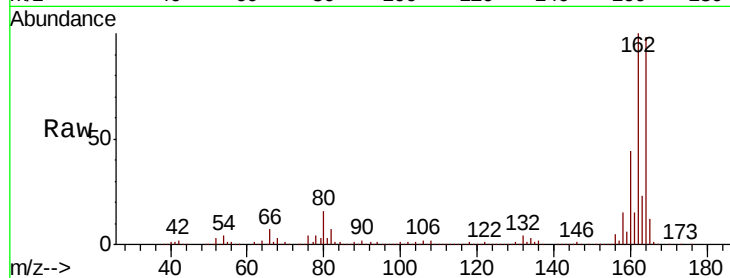
Tot Ion:164 Resp: 413285

Ion Ratio Lower Upper

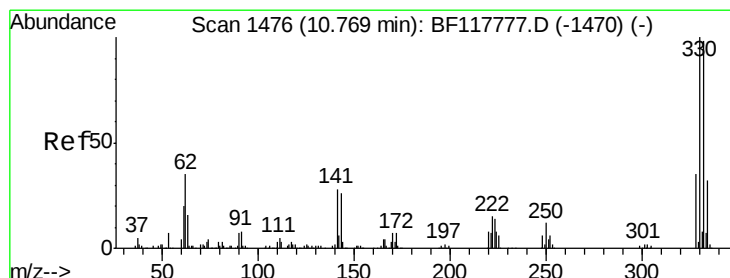
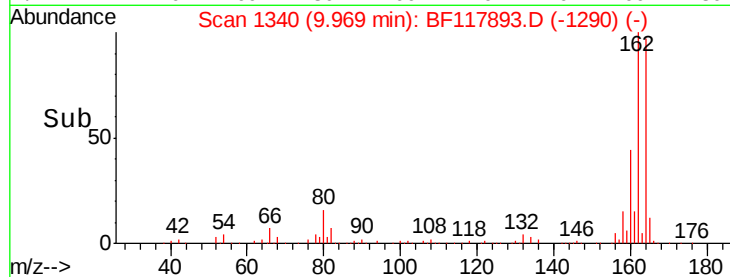
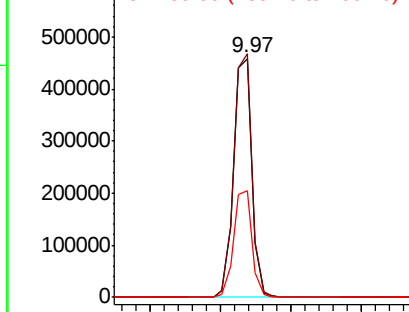
164 100

162 102.0 81.3 121.9

160 44.9 36.6 55.0



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: 21.900 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

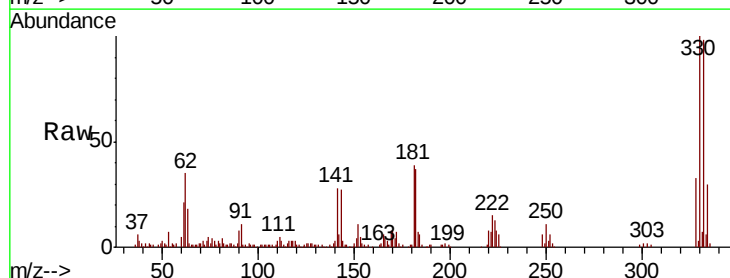
Tgt Ion:330 Resp: 95823

Ion Ratio Lower Upper

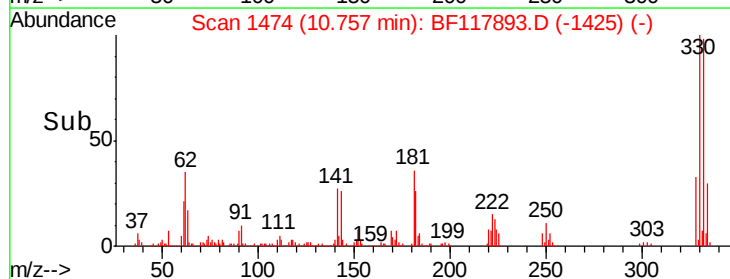
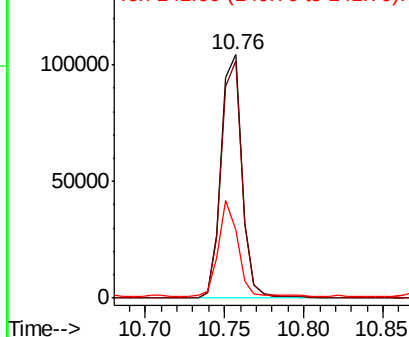
330 100

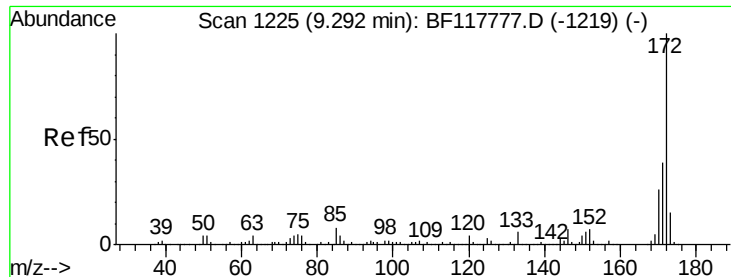
332 97.1 76.7 115.1

141 36.6 27.7 41.5



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

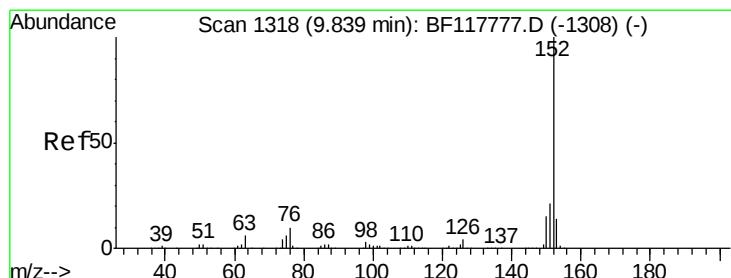
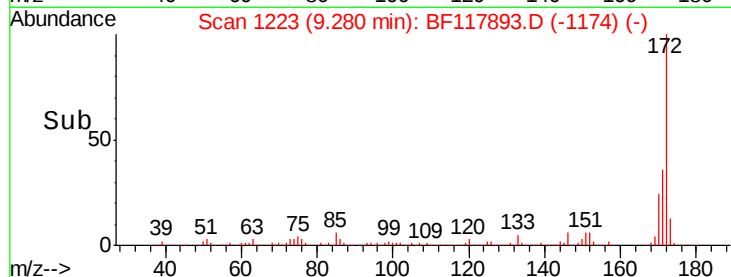
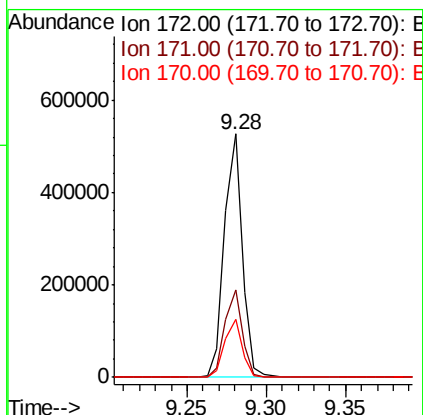
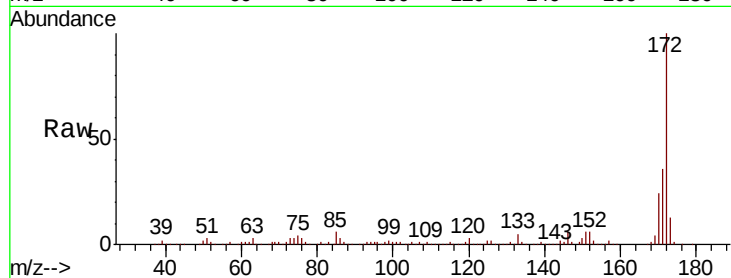




#45
2-Fluorobiphenyl
Concen: 17.970 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

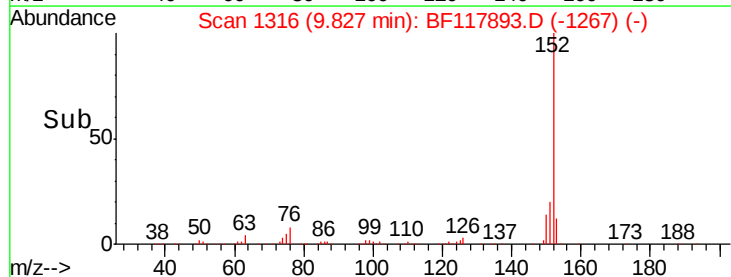
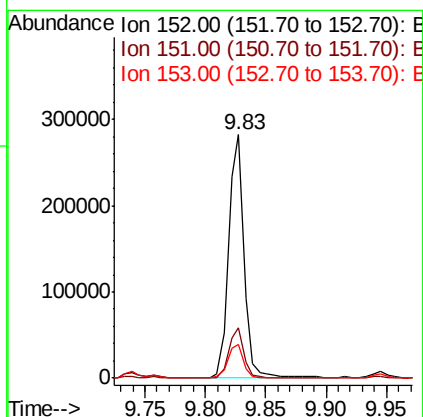
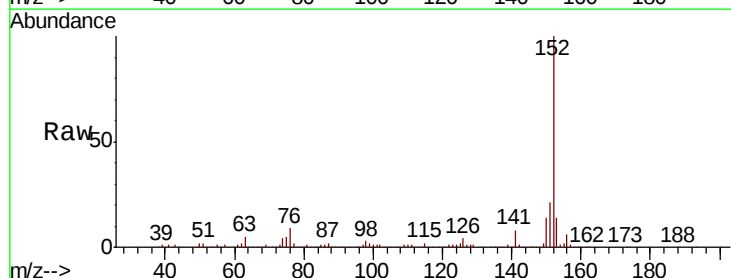
Instrument :
BNA_F
ClientSampleId :

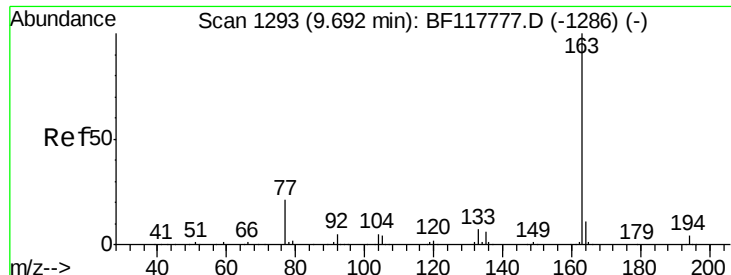
Tot Ion:172 Resp: 413974
Ion Ratio Lower Upper
172 100
171 36.1 30.9 46.3
170 24.0 21.0 31.4



#49
Acenaphthylene
Concen: 6.725 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion:152 Resp: 247299
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6
153 13.7 11.0 16.6

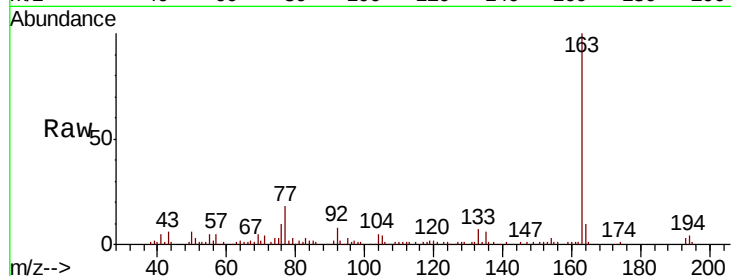




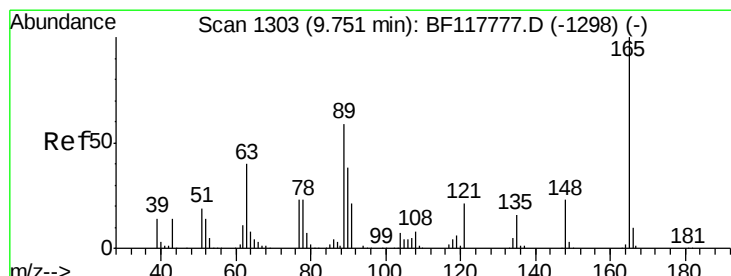
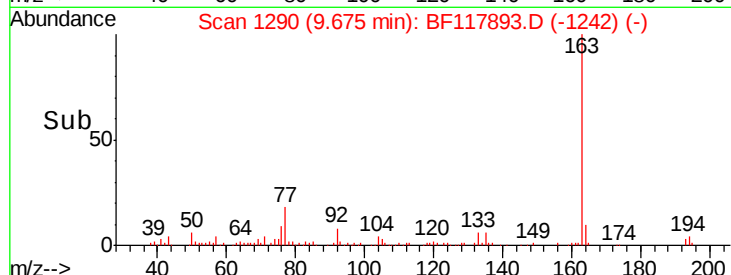
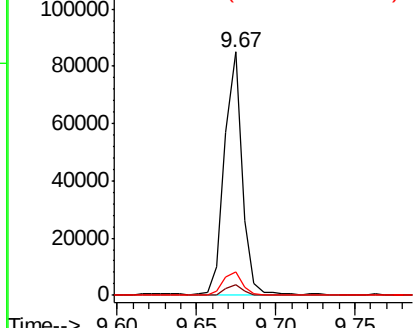
#50
Dimethylphthalate
Concen: 2.292 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 66429
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.5 8.7 13.1

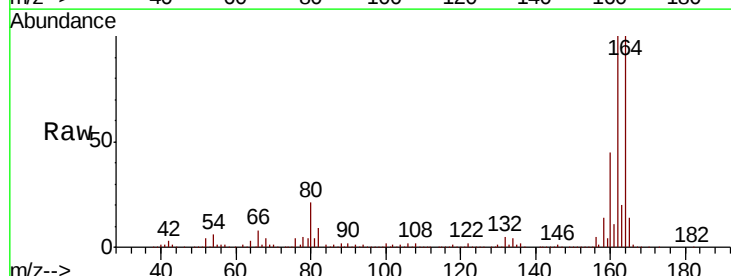


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

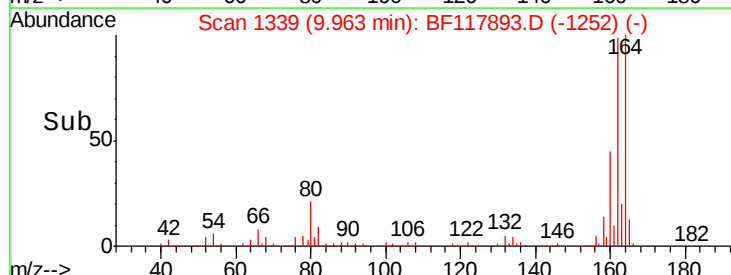
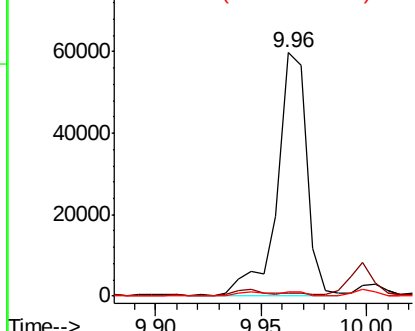


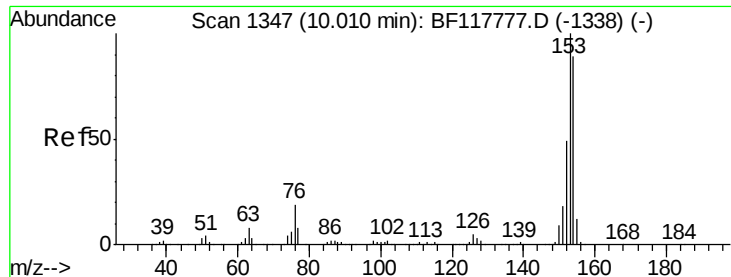
#51
2,6-Dinitrotoluene
Concen: 9.265 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.21 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion:165 Resp: 58685
Ion Ratio Lower Upper
165 100
63 1.3 46.0 69.0#
89 1.8 47.7 71.5#



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: 3.036 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

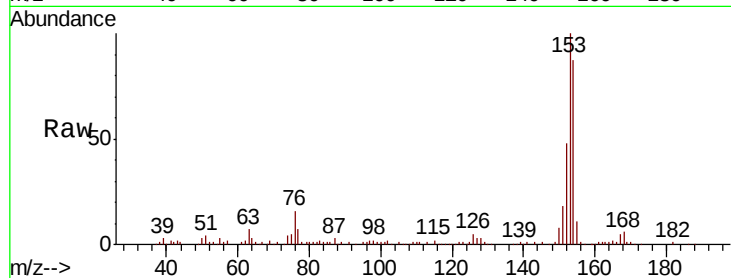
Tot Ion:154 Resp: 71533

Ion Ratio Lower Upper

154 100

153 114.7 90.1 135.1

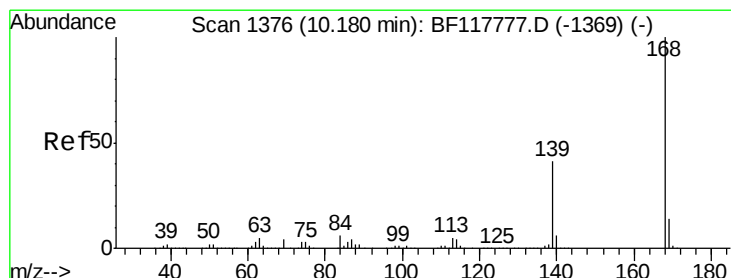
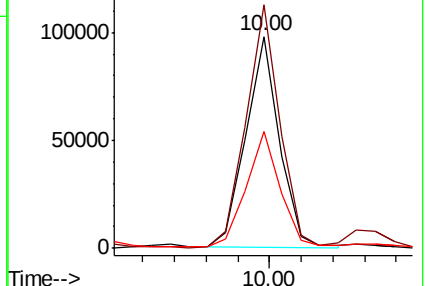
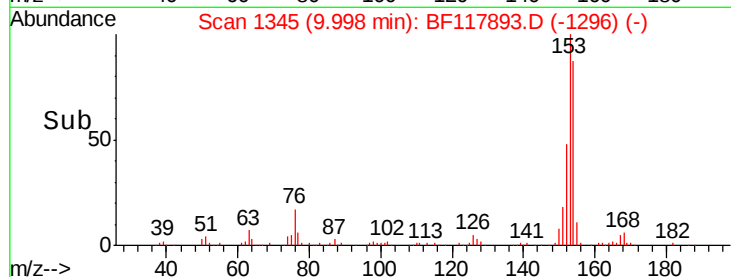
152 55.2 44.0 66.0



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: 3.752 ng

RT: 10.17 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

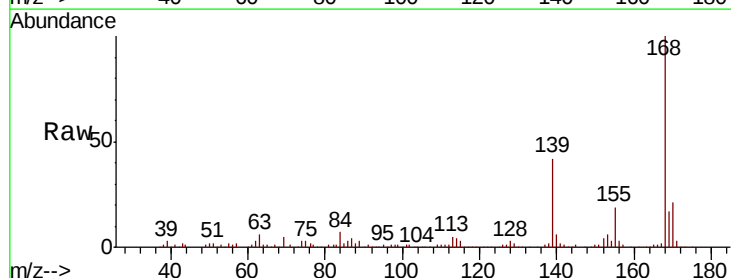
Tgt Ion:168 Resp: 122384

Ion Ratio Lower Upper

168 100

139 42.1 33.0 49.6

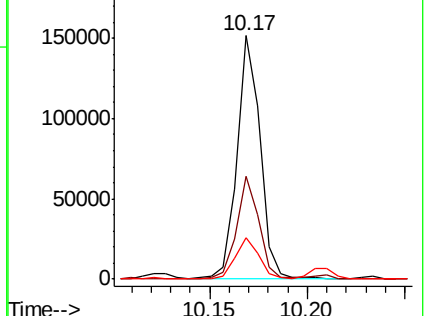
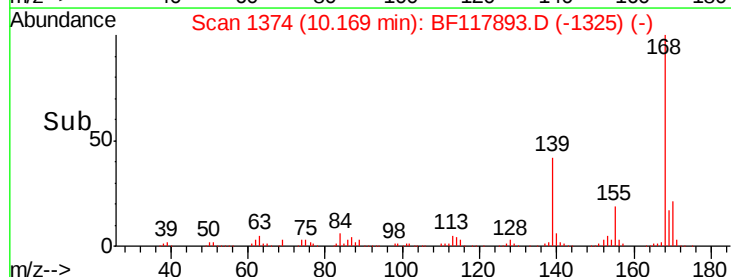
169 16.9 11.5 17.3

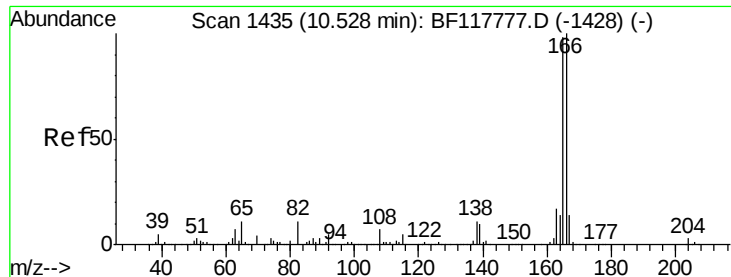


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

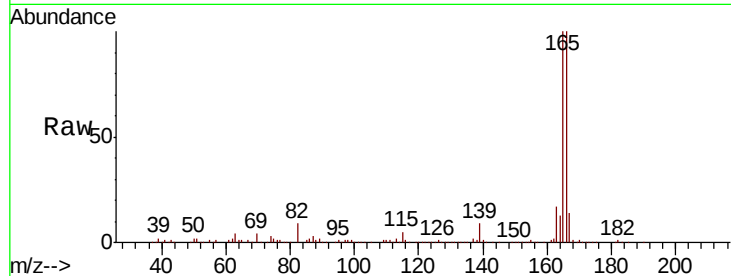




#58
 Fluorene
 Concen: 9.252 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF117893.D
 Acq: 20 Nov 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.4	117.6
167	13.7	11.0	16.4

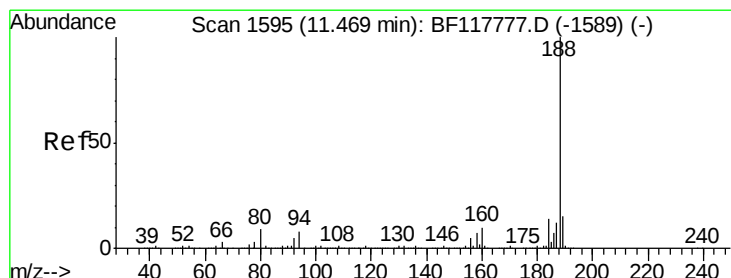
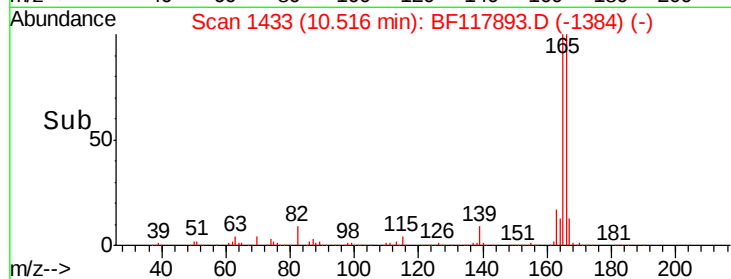
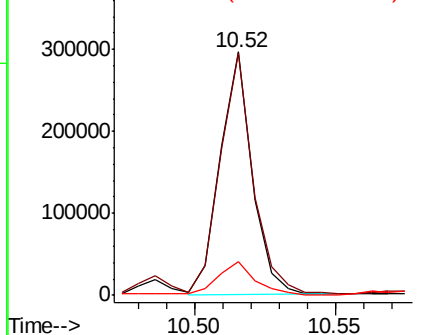


Abundance

Ion 166.00 (165.70 to 166.70): E

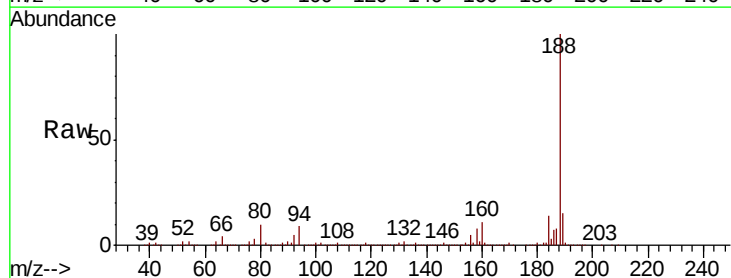
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117893.D
 Acq: 20 Nov 2019 15:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	10.0	7.2	10.8

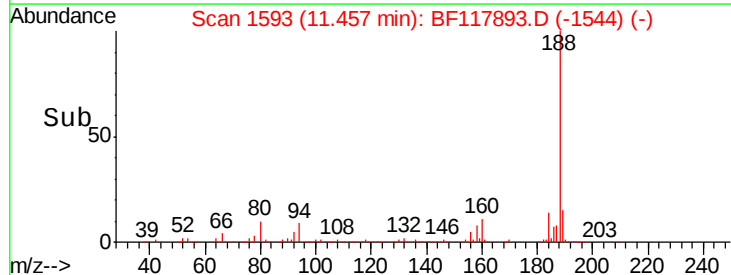
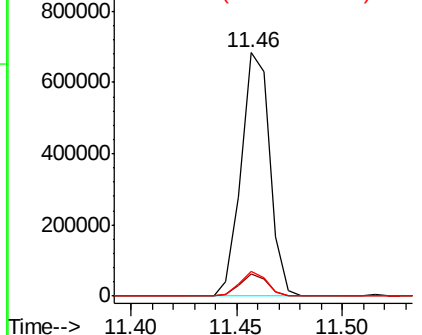


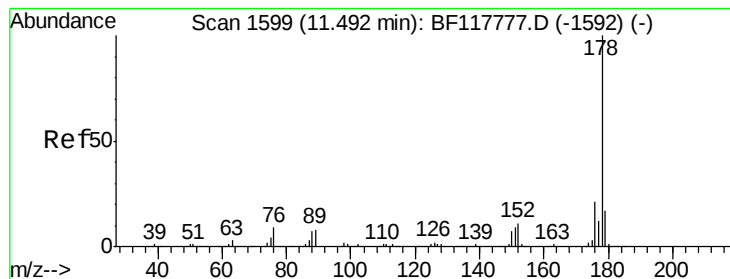
Abundance

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





#71

Phenanthrene

Concen: 35.803 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

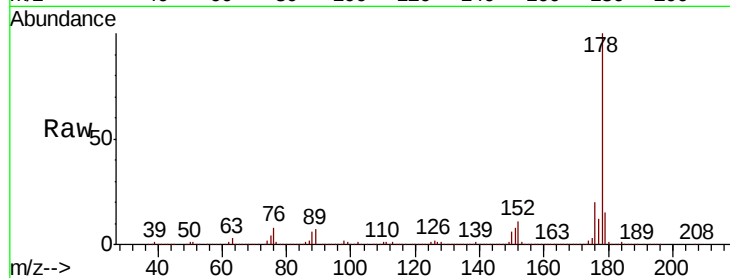
Tot Ion:178 Resp: 1156093

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

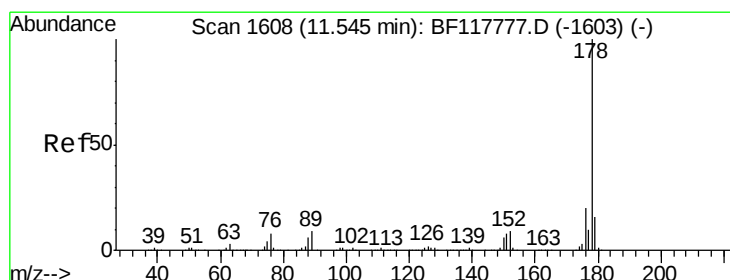
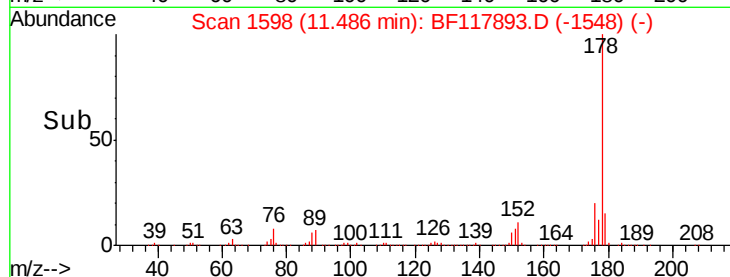
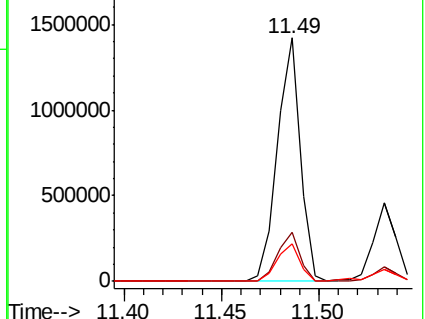
179 15.5 13.2 19.8



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: 10.977 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

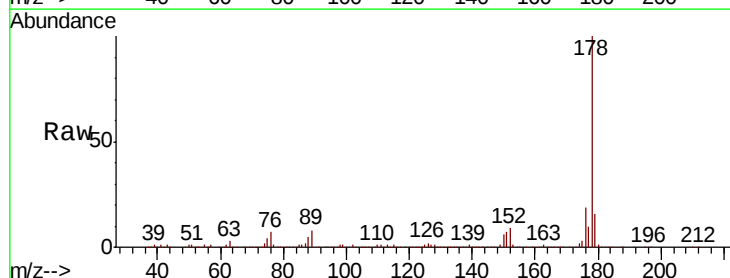
Tgt Ion:178 Resp: 351414

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

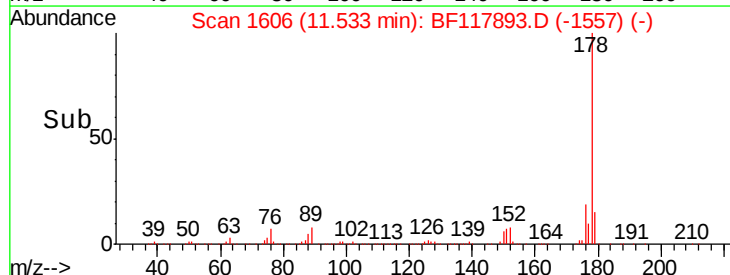
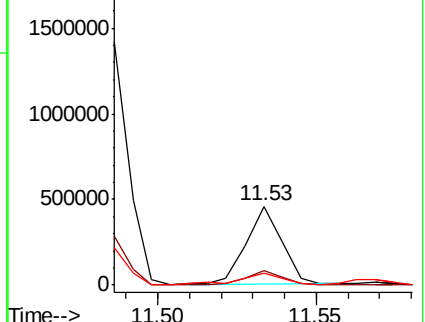
179 15.7 13.0 19.4

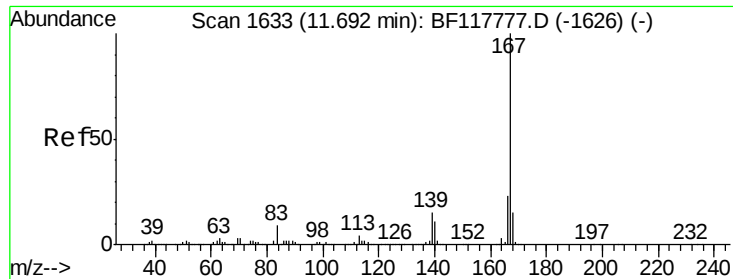


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

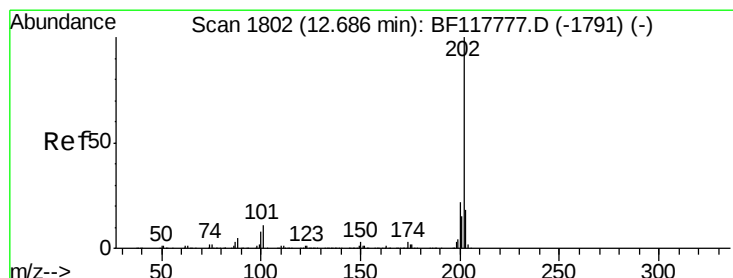
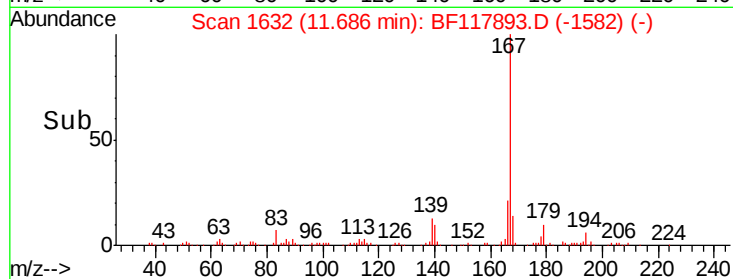
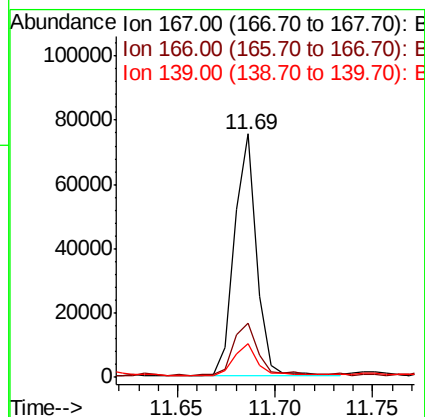
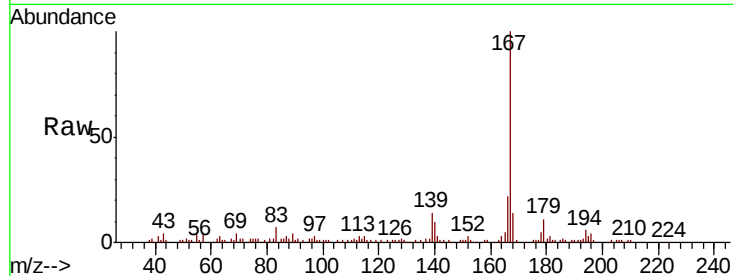




#73
 Carbazole
 Concen: 2.132 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF117893.D
 Acq: 20 Nov 2019 15:19

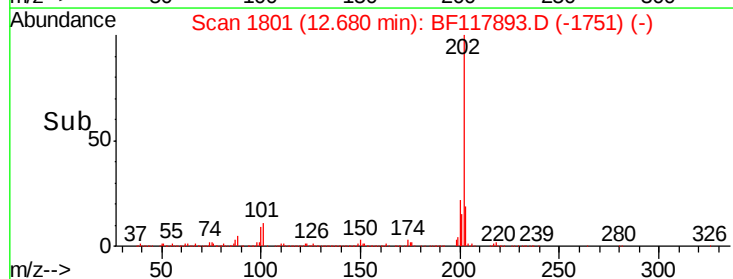
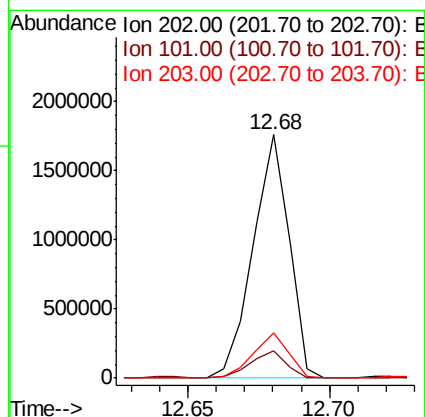
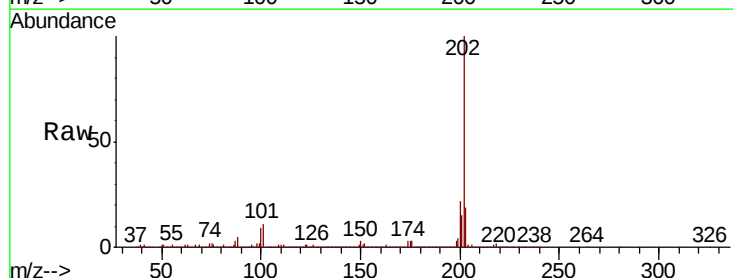
Instrument :
 BNA_F
 ClientSampleId :

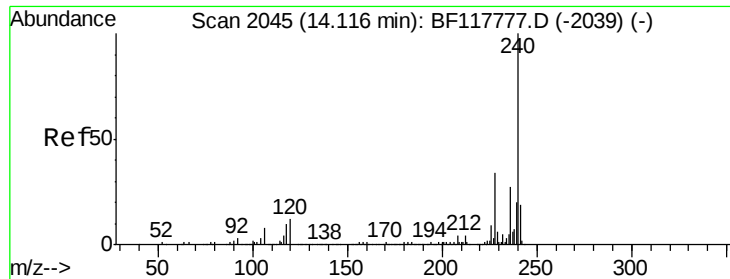
Tot Ion:167 Resp: 59656
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.0 27.0
 139 14.0 11.7 17.5



#75
 Fluoranthene
 Concen: 54.595 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF117893.D
 Acq: 20 Nov 2019 15:19

Tgt Ion:202 Resp: 1558162
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.1
 203 18.7 0.0 38.2

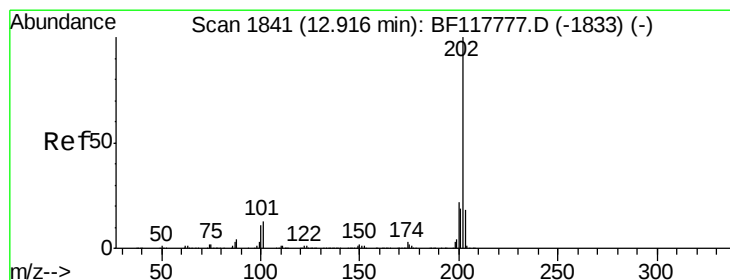
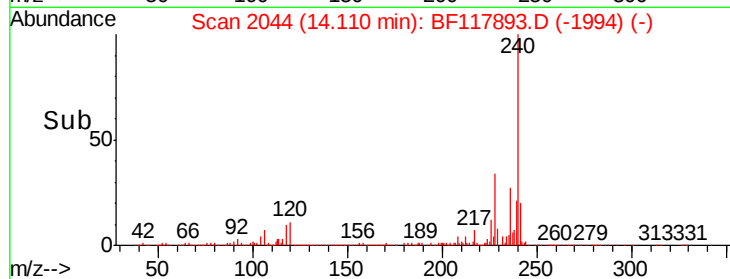
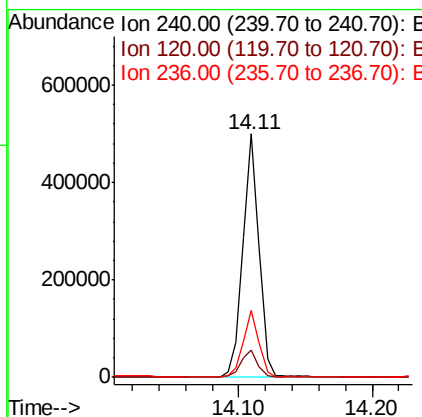
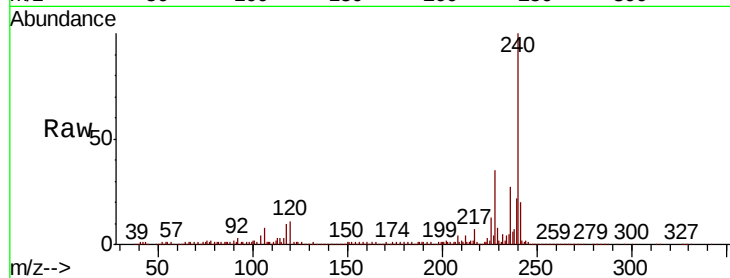




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

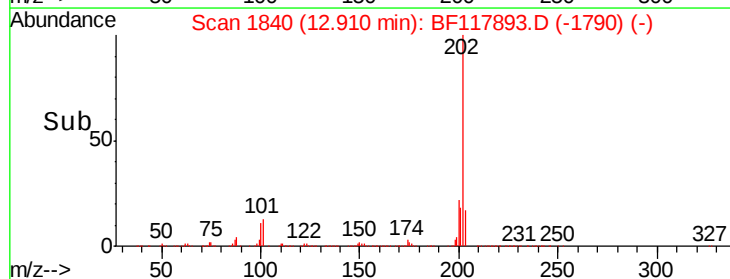
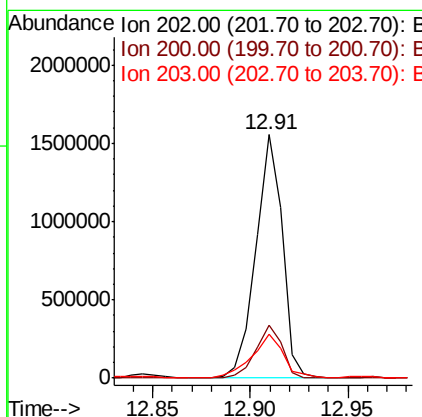
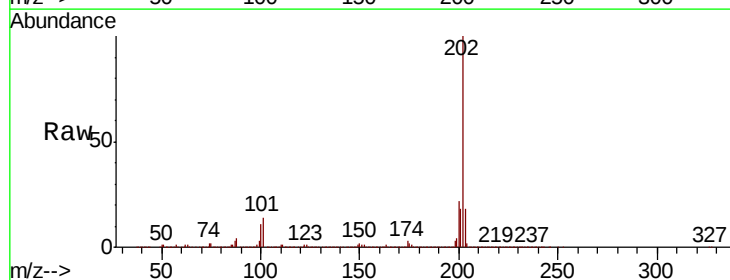
Instrument :
BNA_F
ClientSampleId :

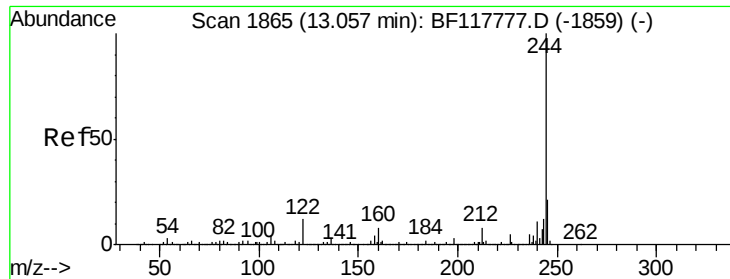
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	27.4	21.3	31.9



#78
Pyrene
Concen: 43.051 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.8
203	18.0	14.6	22.0





#79

Terphenyl-d14

Concen: 17.734 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

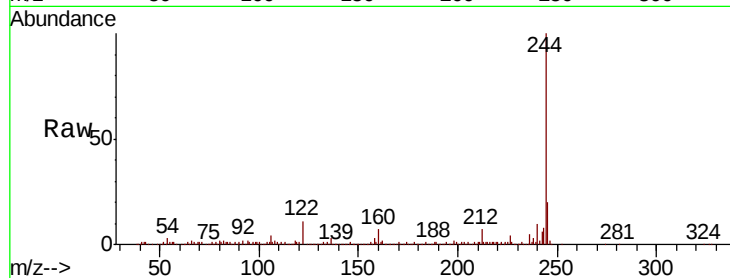
Tot Ion:244 Resp: 407009

Ion Ratio Lower Upper

244 100

212 6.6 6.3 9.5

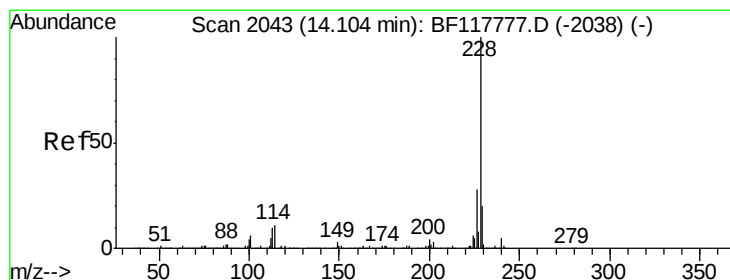
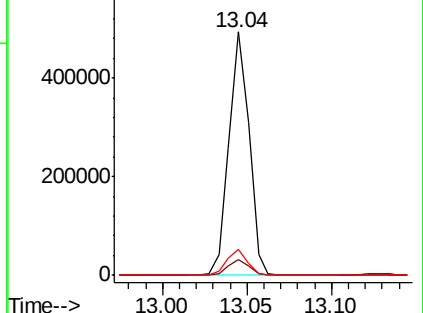
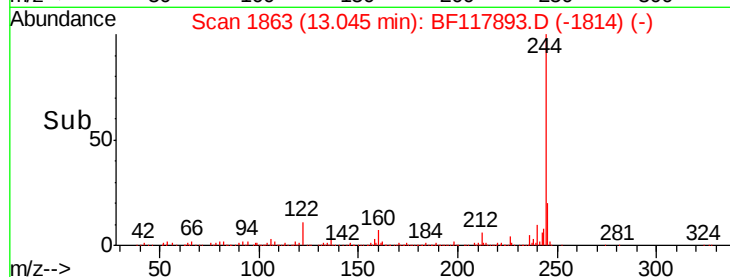
122 10.8 9.4 14.2



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



#81

Benzo(a)anthracene

Concen: 29.624 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

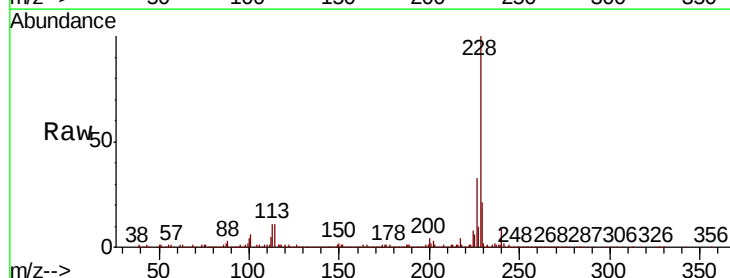
Tgt Ion:228 Resp: 821094

Ion Ratio Lower Upper

228 100

226 32.6 22.2 33.2

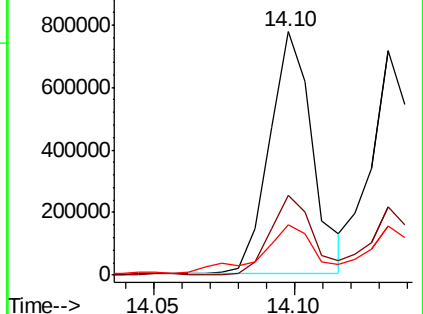
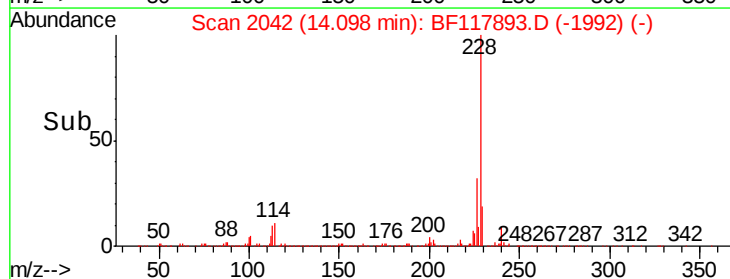
229 20.6 15.9 23.9

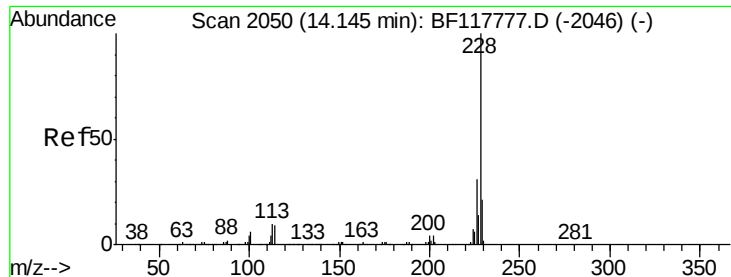


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

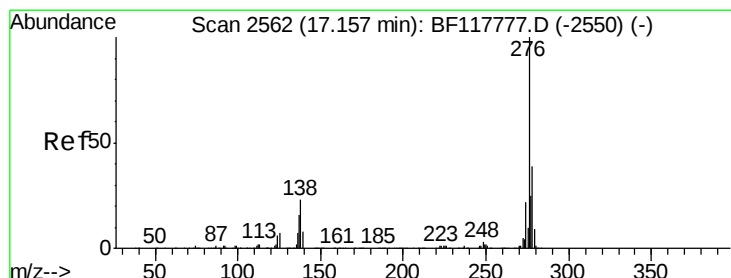
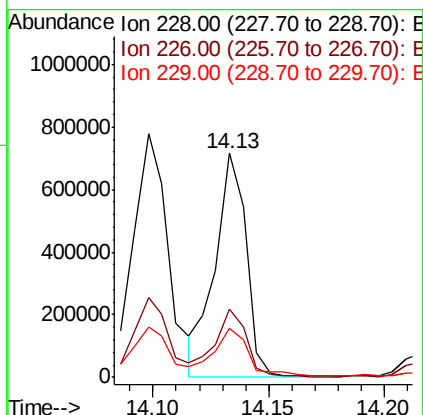
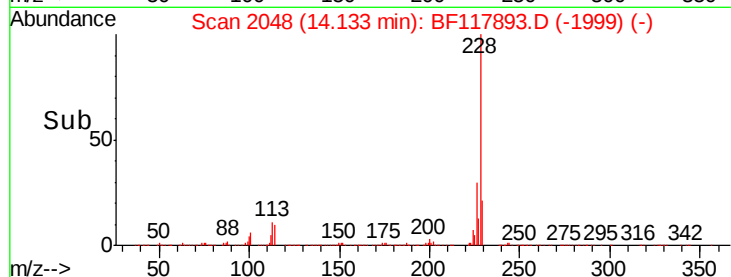
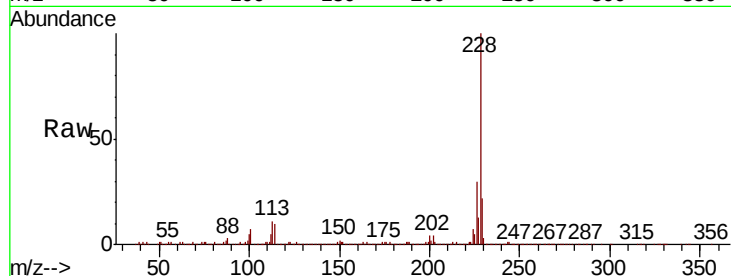




#83
Chrysene
Concen: 24.695 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

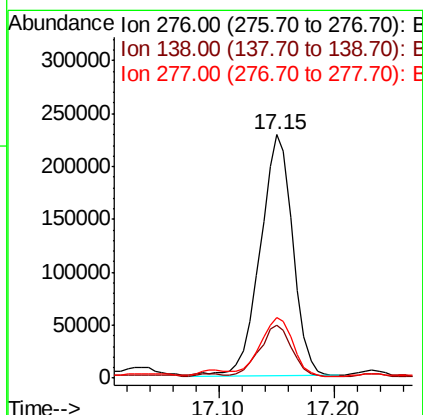
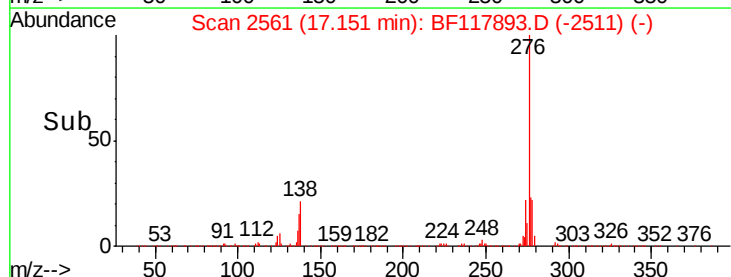
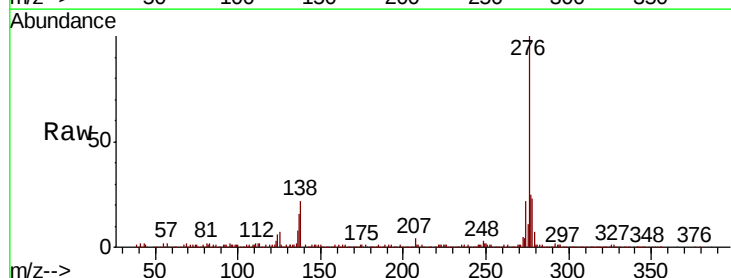
Instrument :
BNA_F
ClientSampled :

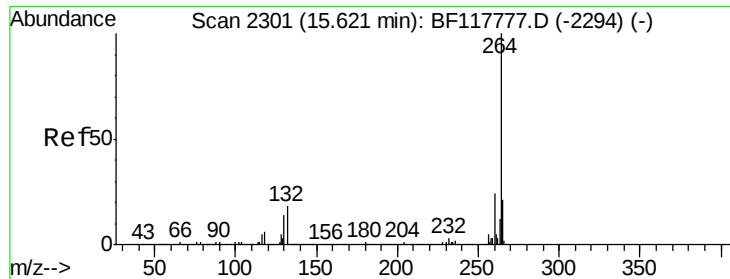
Tot Ion:228 Resp: 663259
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.4
229 21.9 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 19.526 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion:276 Resp: 446344
Ion Ratio Lower Upper
276 100
138 21.5 20.9 31.3
277 25.4 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

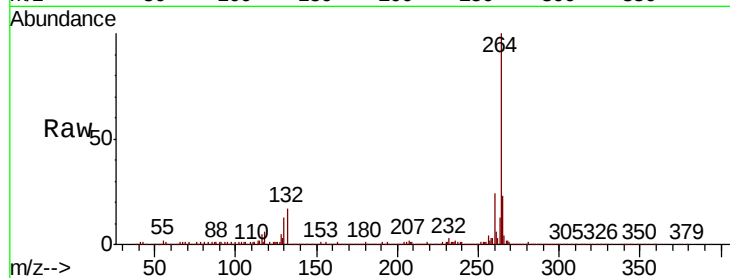
Tot Ion:264 Resp: 515373

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

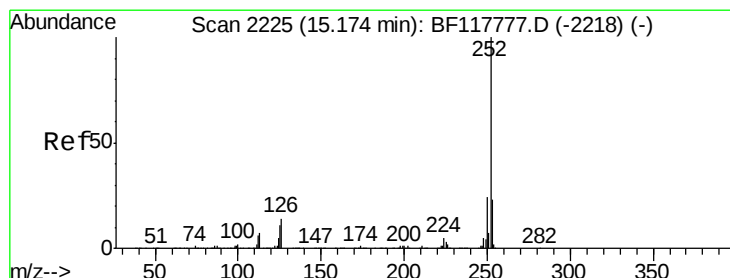
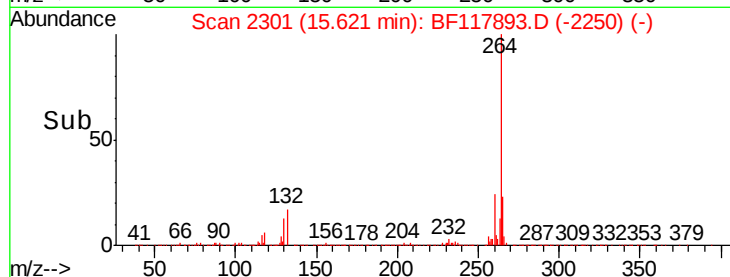
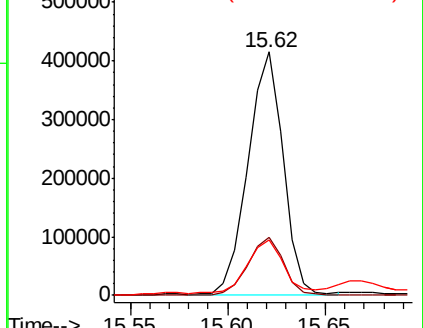
265 22.8 17.1 25.7



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: 41.740 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

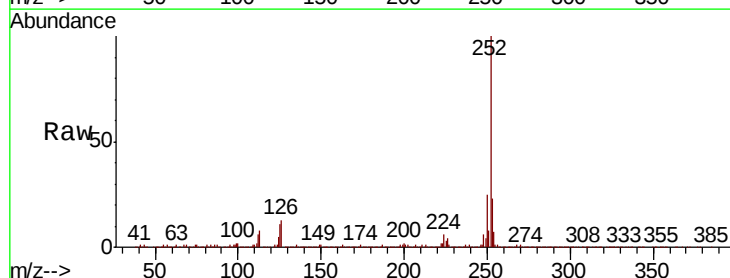
Tgt Ion:252 Resp: 1397626

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

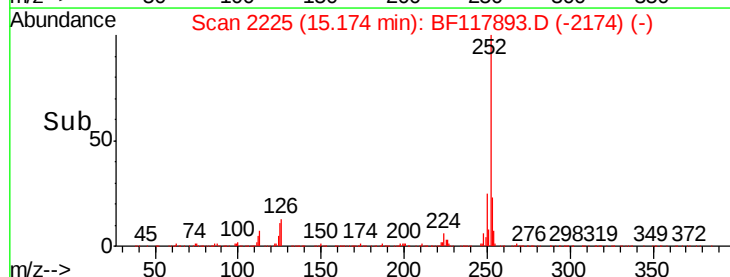
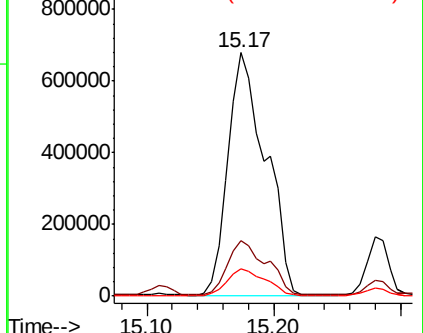
125 11.1 8.6 13.0

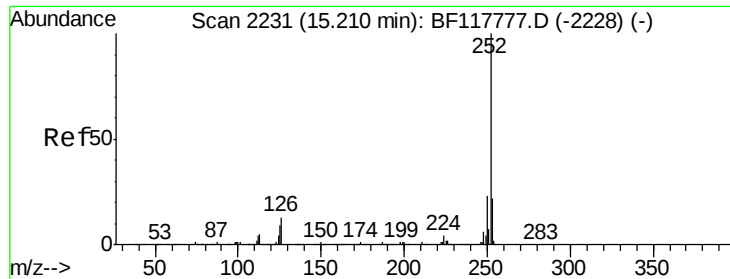


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

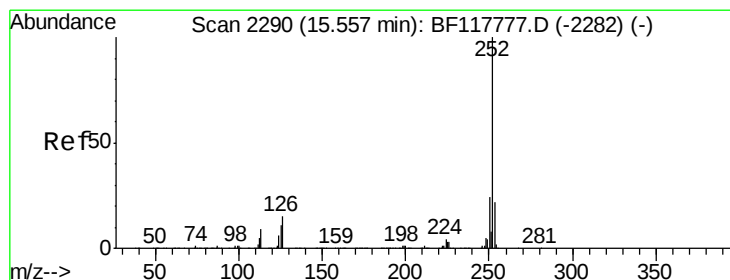
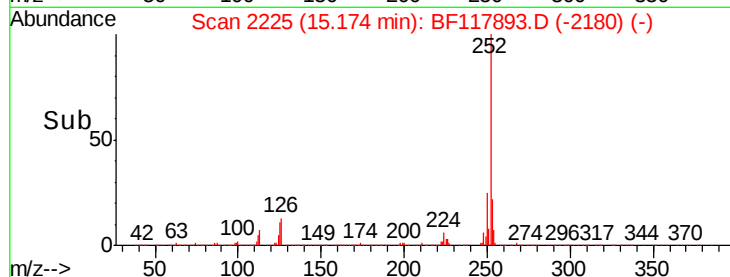
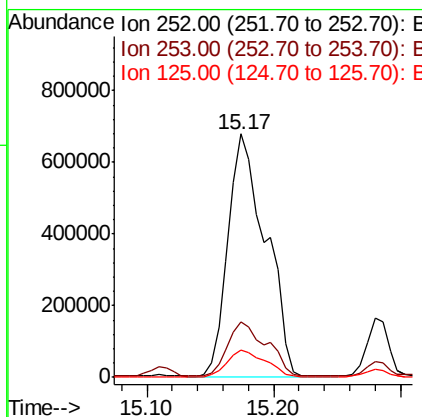
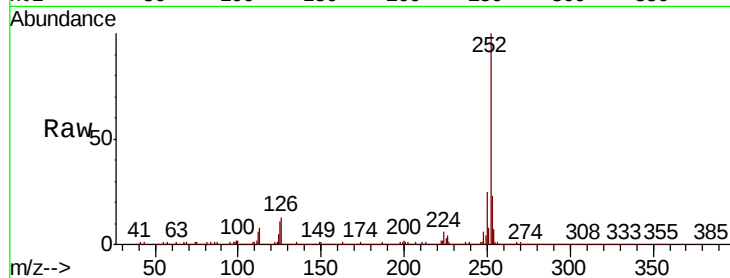




#89
Benzo(k)fluoranthene
Concen: 44.299 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

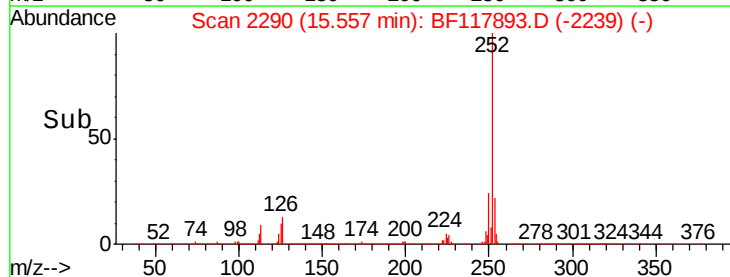
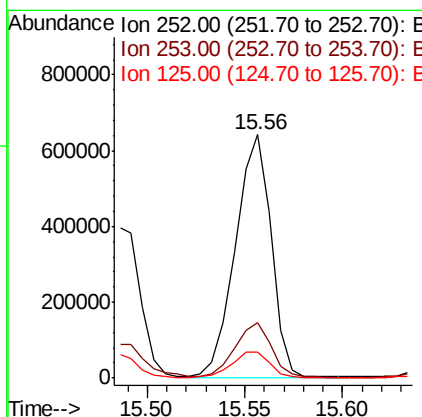
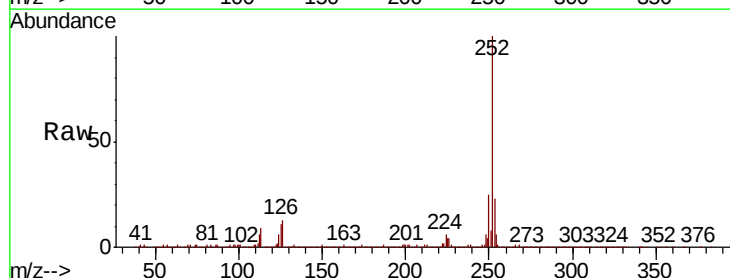
Instrument :
BNA_F
ClientSampleId :

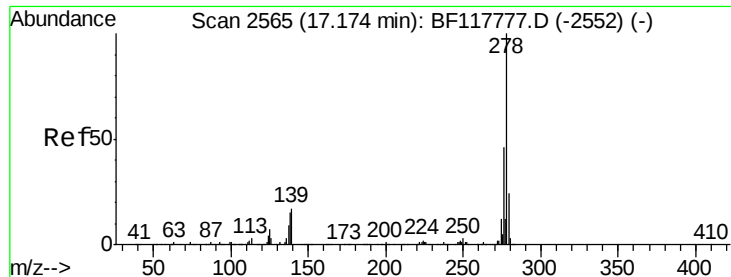
Tot Ion:252 Resp: 1397626
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.1 7.9 11.9



#90
Benzo(a)pyrene
Concen: 27.618 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117893.D
Acq: 20 Nov 2019 15:19

Tgt Ion:252 Resp: 813186
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.7 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 3.700 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.16 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

Instrument :

BNA_F

ClientSampleId :

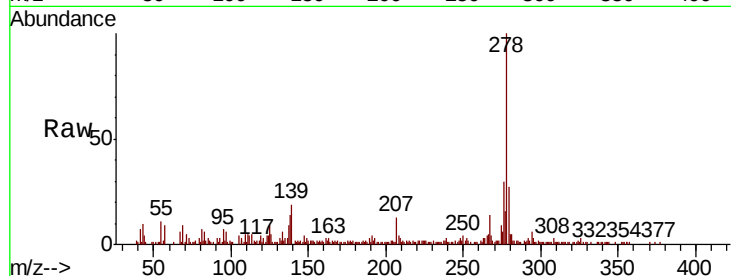
Tot Ion:278 Resp: 93776

Ion Ratio Lower Upper

278 100

139 18.7 13.8 20.8

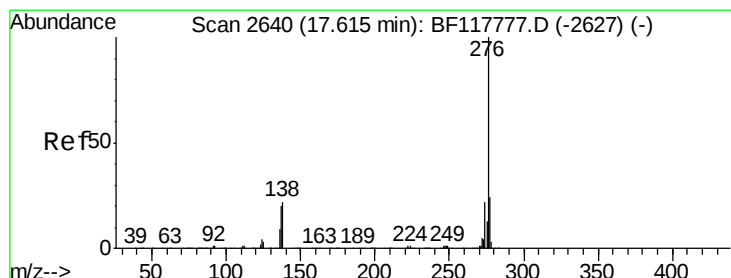
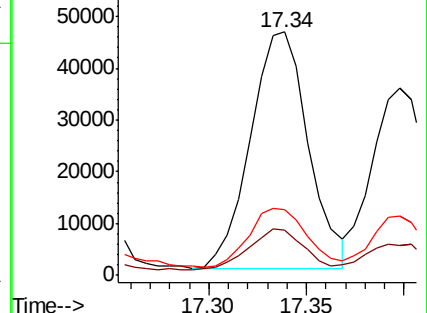
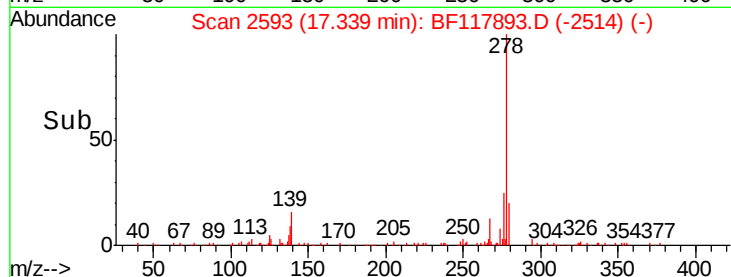
279 27.0 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 14.145 ng

RT: 17.62 min Scan# 2641

Delta R.T. 0.01 min

Lab File: BF117893.D

Acq: 20 Nov 2019 15:19

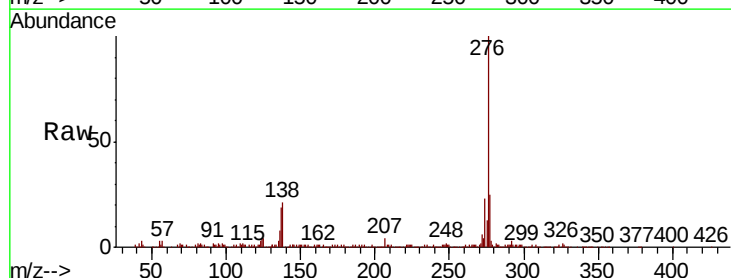
Tgt Ion:276 Resp: 357039

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 21.1 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

