

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118347.D
 Acq On : 27 Dec 2019 19:37
 Operator : JU
 Sample : K6113-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:01:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143014	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	553504	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	268144	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	432492	20.00	ng	0.00
76) Chrysene-d12	14.05	240	338019	20.00	ng	0.00
87) Perylene-d12	15.54	264	369659	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	844355	100.78	ng	0.00
7) Phenol-d6	6.49	99	1063015	102.28	ng	0.00
23) Nitrobenzene-d5	7.42	82	636552	65.78	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	292242	88.25	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1222772	69.61	ng	0.00
79) Terphenyl-d14	12.98	244	1154108	56.64	ng	0.00

Target Compounds

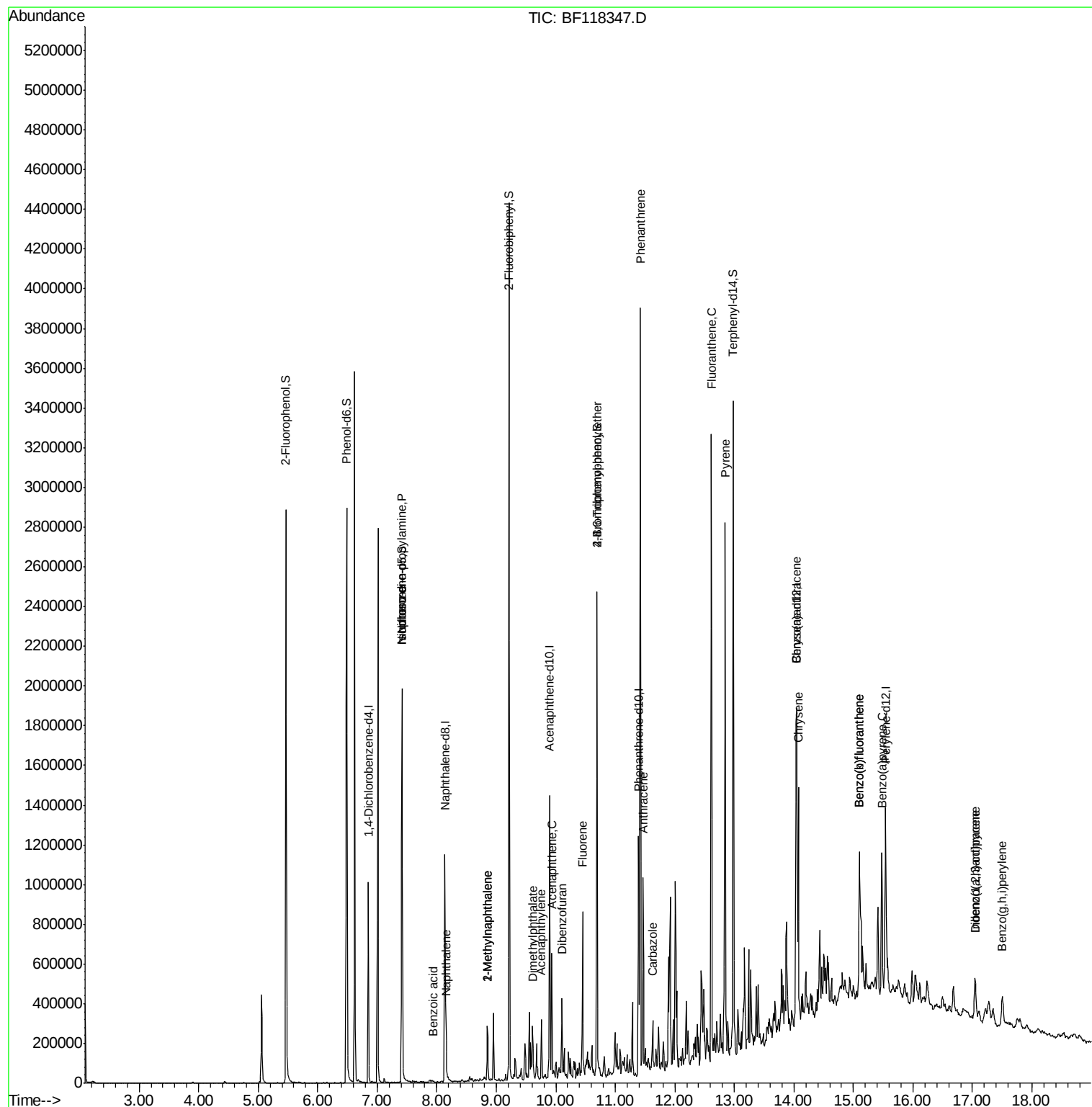
						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	86358	13.488	ng	# 78
25) Isophorone	7.42	82	631958	37.470	ng	# 62
31) Naphthalene	8.16	128	80064	2.846	ng	99
32) Benzoic acid	7.95	122	219	5.709	ng	# 1
37) 2-Methylnaphthalene	8.85	142	79745	4.140	ng	99
38) 1-Methylnaphthalene	8.85	142	79745	4.394	ng	95
49) Acenaphthylene	9.76	152	101869	4.024	ng	98
50) Dimethylphthalate	9.61	163	89368	4.440	ng	99
52) Acenaphthene	9.93	154	130470	8.461	ng	99
55) Dibenzofuran	10.10	168	116313	5.105	ng	# 95
58) Fluorene	10.45	166	224349	12.198	ng	97
67) 4-Bromophenyl-phenylether	10.69	248	18785	3.711	ng	# 1
71) Phenanthrene	11.42	178	1350051	57.261	ng	99
72) Anthracene	11.47	178	346473	14.681	ng	98
73) Carbazole	11.63	167	90696	4.331	ng	96
75) Fluoranthene	12.62	202	1130684	47.519	ng	97
78) Pyrene	12.84	202	1036575	37.553	ng	99
81) Benzo(a)anthracene	14.04	228	471737	19.938	ng	96
83) Chrysene	14.07	228	434848	19.194	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	129717	6.720	ng	95
88) Benzo(b)fluoranthene	15.10	252	552397	22.512	ng	97
89) Benzo(k)fluoranthene	15.10	252	552397	23.446	ng	98
90) Benzo(a)pyrene	15.47	252	331731	15.347	ng	97
91) Dibenzo(a,h)anthracene	17.04	278	38332	2.043	ng	# 78
92) Benzo(g,h,i)perylene	17.50	276	120385	6.644	ng	95

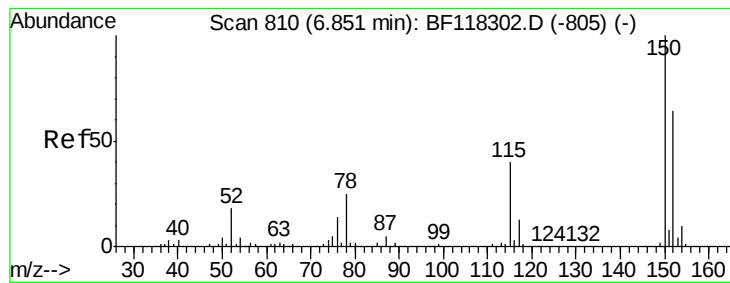
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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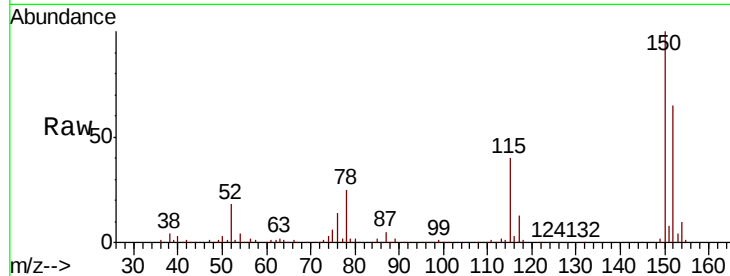




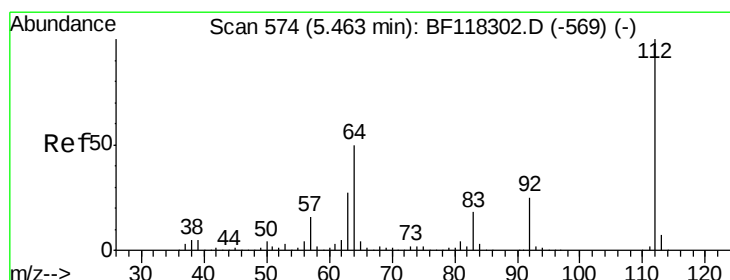
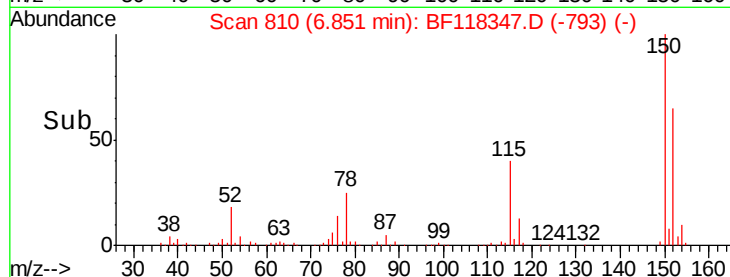
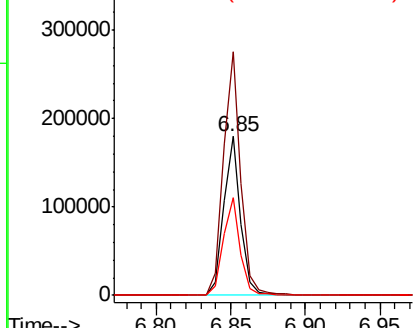
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 143014
 Ion Ratio Lower Upper
 152 100
 150 153.5 125.4 188.2
 115 61.8 50.2 75.4

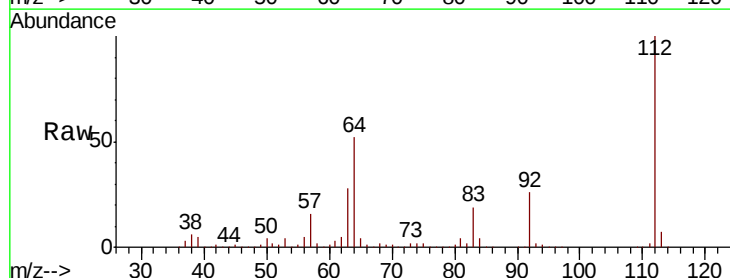


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

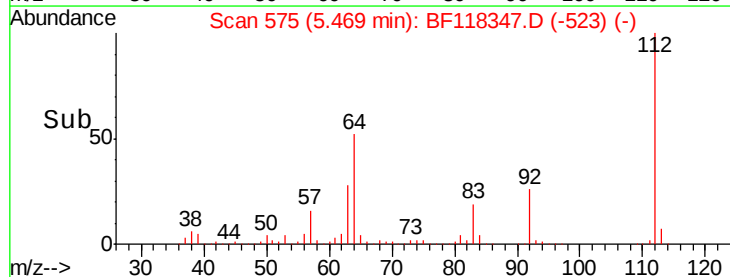
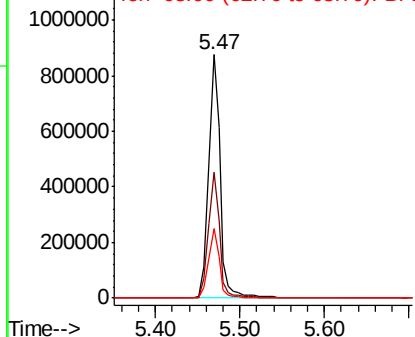


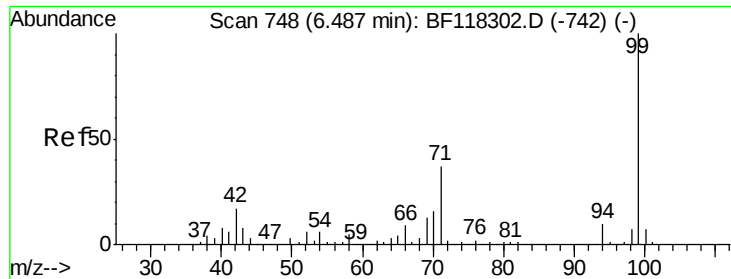
#5
 2-Fluorophenol
 Concen: 100.781 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Tgt Ion:112 Resp: 844355
 Ion Ratio Lower Upper
 112 100
 64 51.7 39.7 59.5
 63 28.5 21.7 32.5



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: 102.279 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

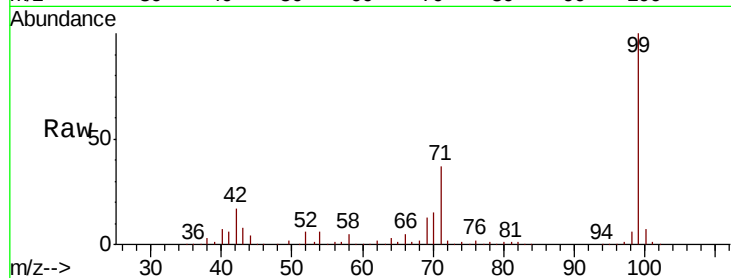
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1063015

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	37.0	29.4	44.2

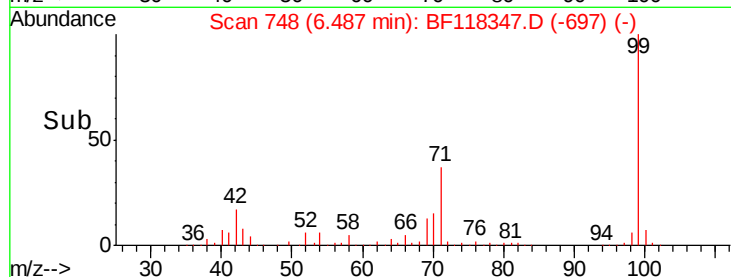


Abundance

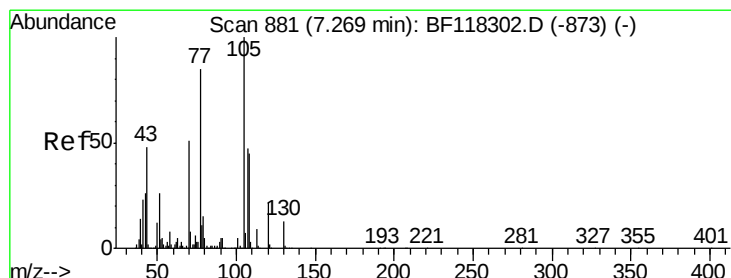
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.488 ng

RT: 7.42 min Scan# 906

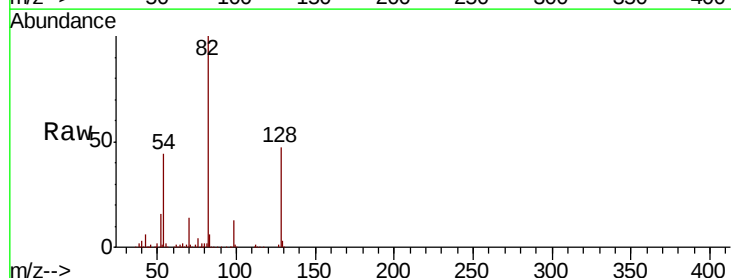
Delta R.T. 0.15 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Tgt Ion: 70 Resp: 86358

Ion	Ratio	Lower	Upper
70	100		
42	44.8	41.1	61.7
101	0.0	8.3	12.5#
130	2.1	20.1	30.1#



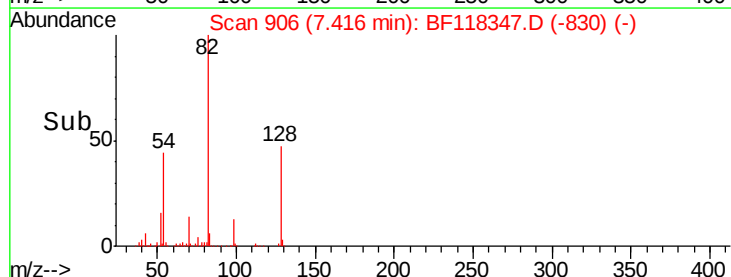
Abundance

Ion 70.00 (69.70 to 70.70): BF1

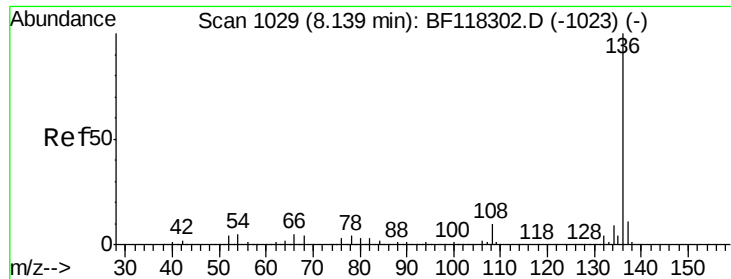
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 553504

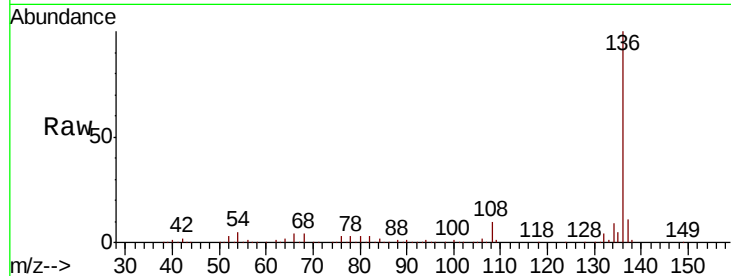
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 5.1 4.2 6.4

68 4.4 3.5 5.3

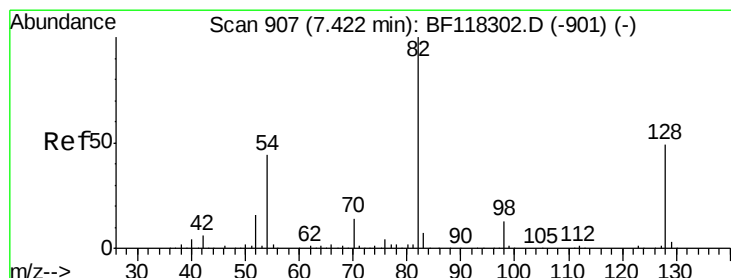
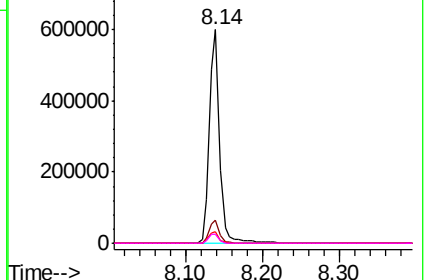
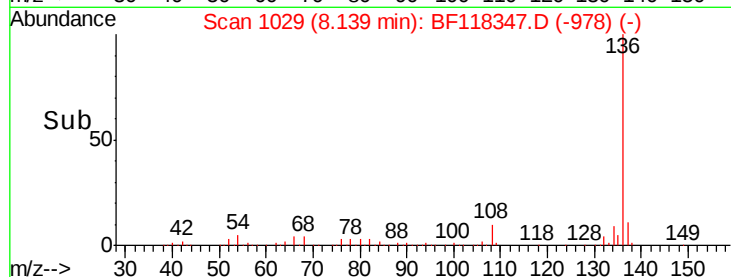


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.776 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

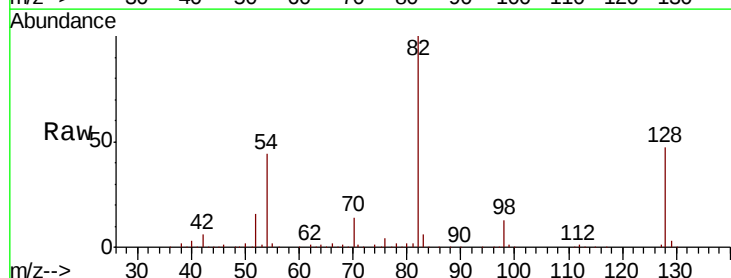
Tgt Ion: 82 Resp: 636552

Ion Ratio Lower Upper

82 100

128 46.9 39.6 59.4

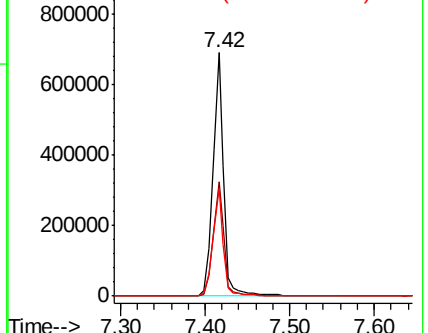
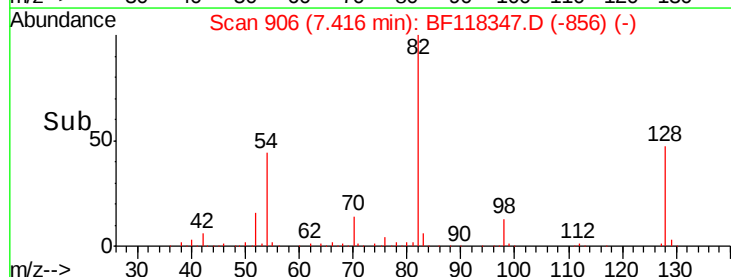
54 44.4 34.9 52.3

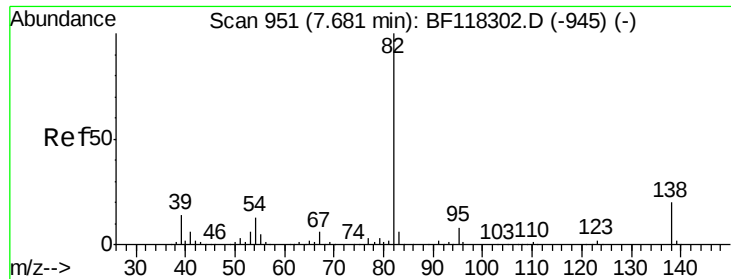


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.470 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampled :

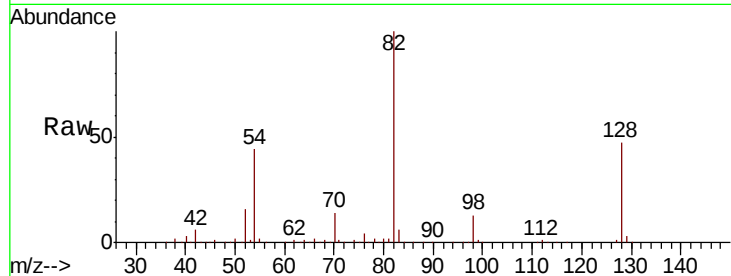
Tot Ion: 82 Resp: 631958

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

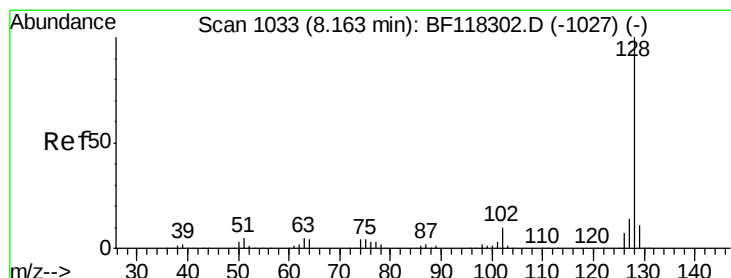
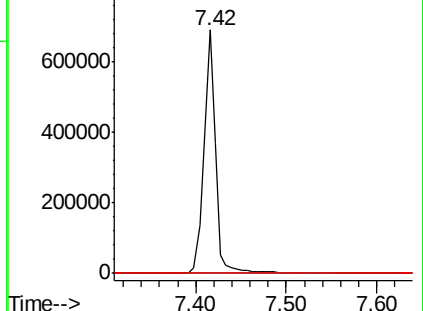
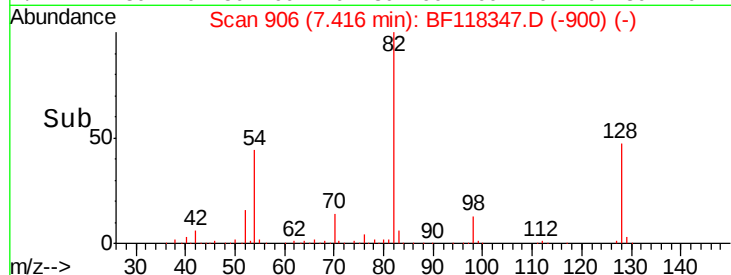
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.846 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

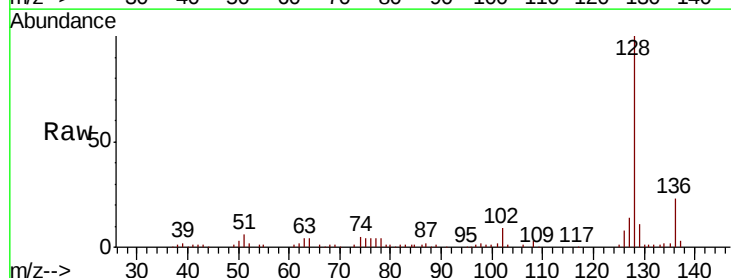
Tgt Ion: 128 Resp: 80064

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

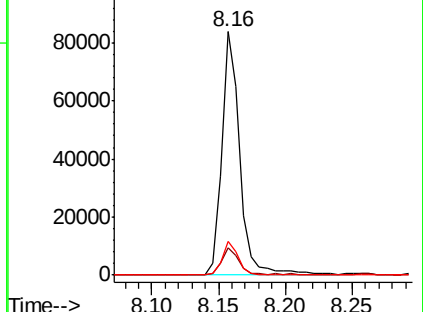
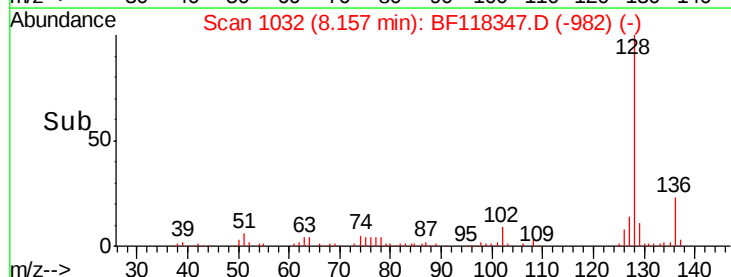
127 14.1 11.0 16.4

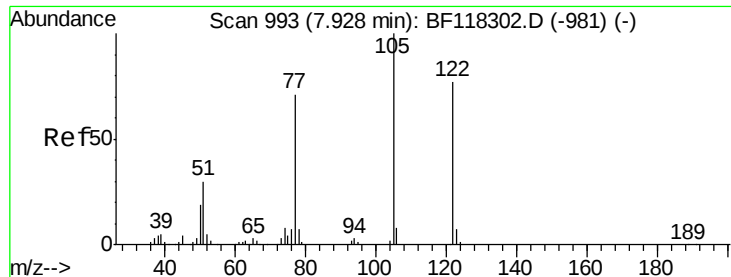


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

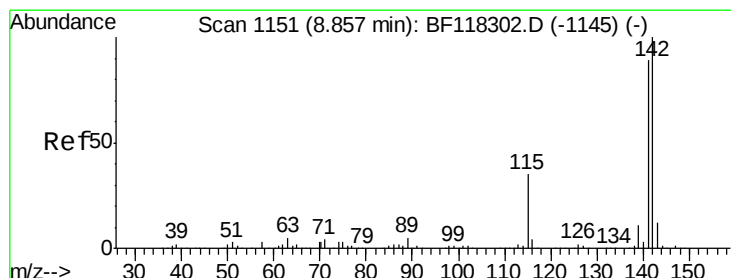
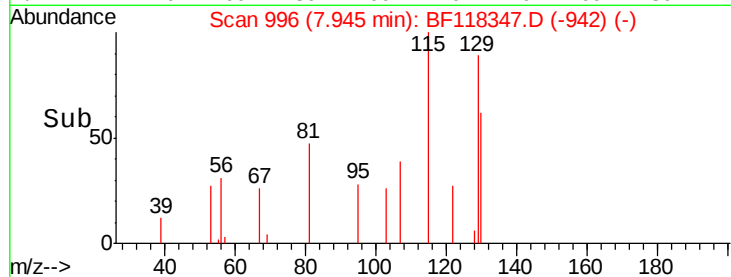
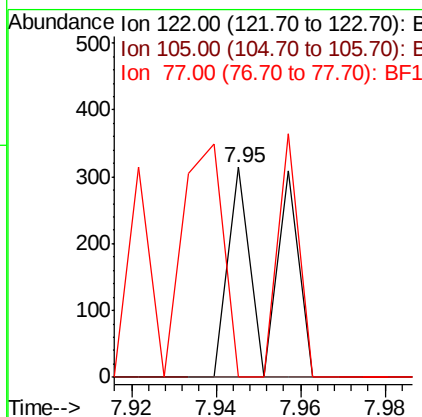
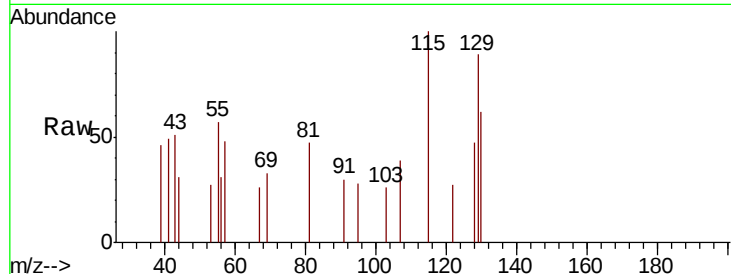




#32
Benzoic acid
Concen: 5.709 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

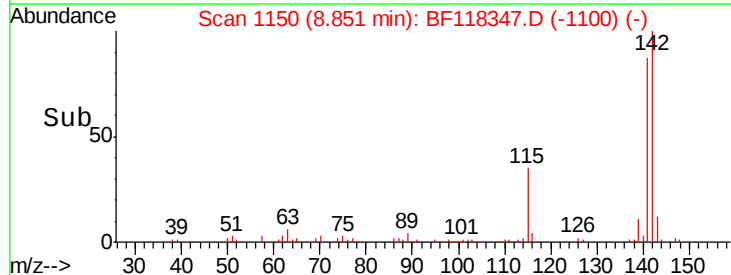
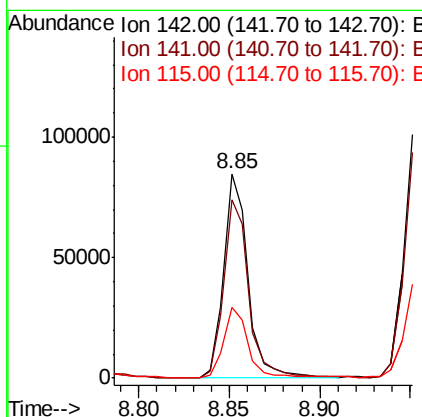
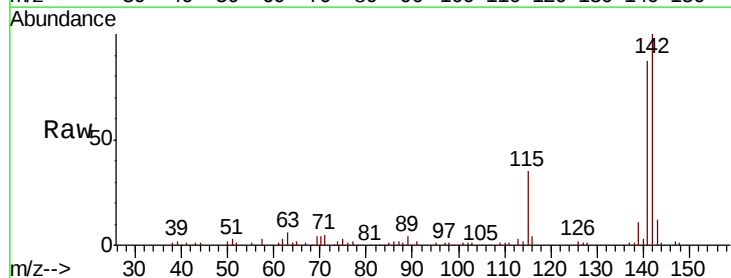
Instrument :
BNA_F
ClientSampleId :

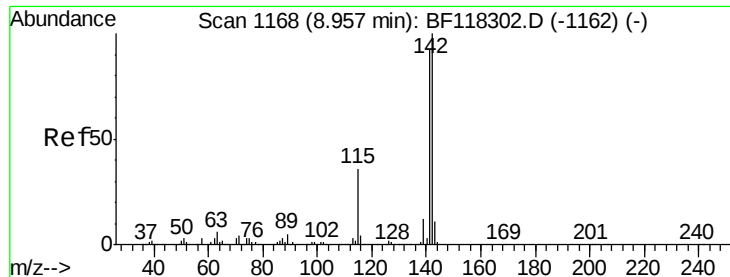
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.8	146.8#
77	0.0	70.4	110.4#



#37
2-Methylnaphthalene
Concen: 4.140 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.2	106.8
115	35.0	28.0	42.0

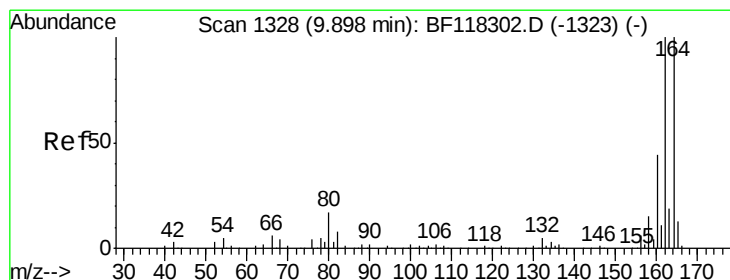
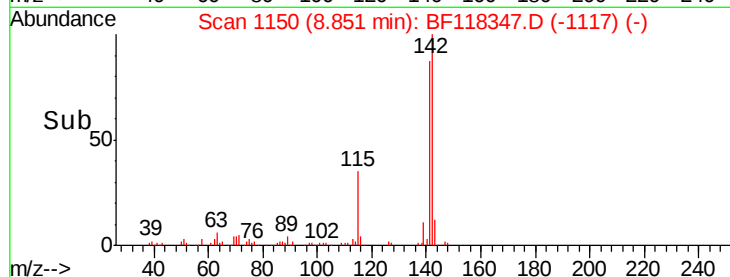
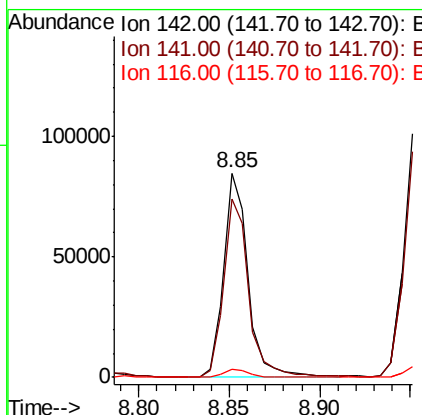
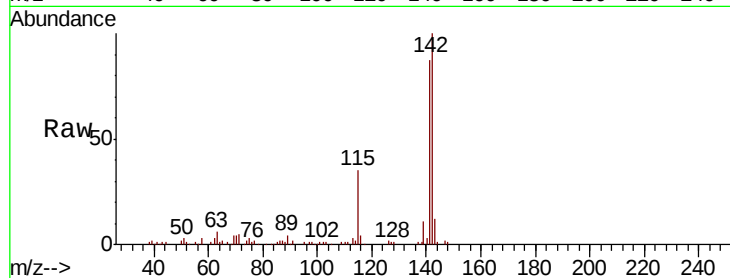




#38
1-Methylnaphthalene
Concen: 4.394 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.11 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

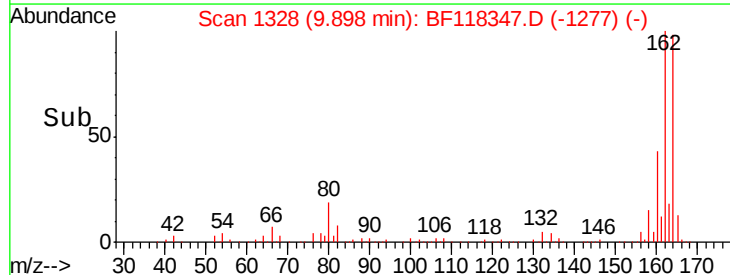
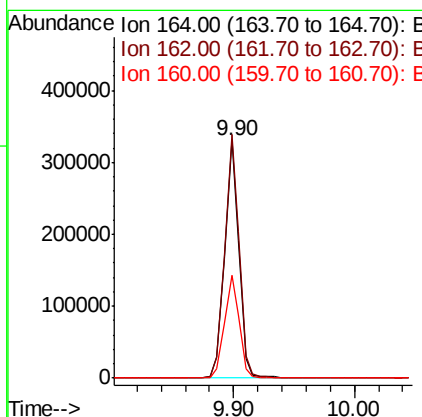
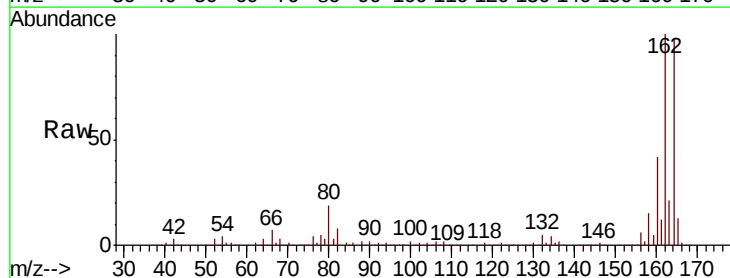
Instrument :
BNA_F
ClientSampleId :

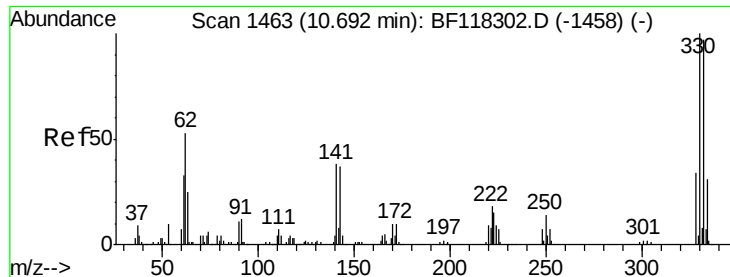
Tot Ion:142 Resp: 79745
Ion Ratio Lower Upper
142 100
141 87.2 73.4 110.2
116 4.2 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion:164 Resp: 268144
Ion Ratio Lower Upper
164 100
162 102.3 80.0 120.0
160 43.4 34.8 52.2

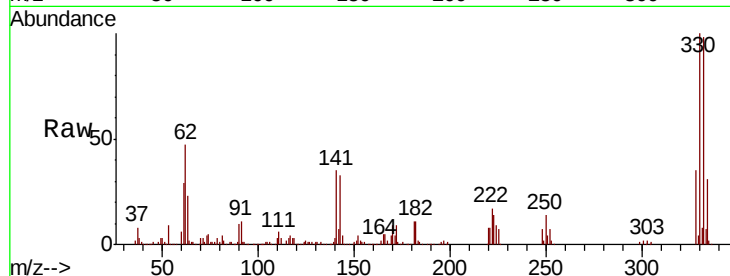




#42
 2,4,6-Tribromophenol
 Concen: 88.254 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	33.1	26.0	39.0

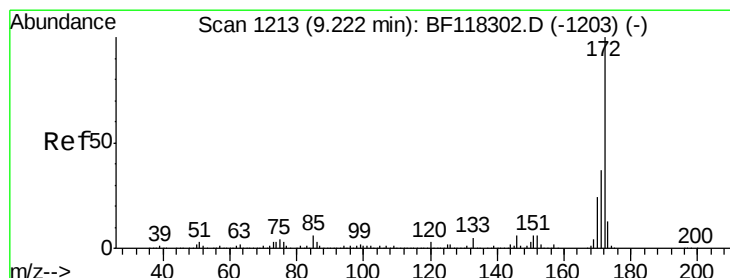
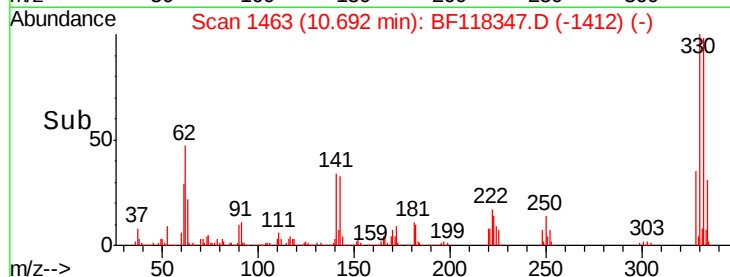
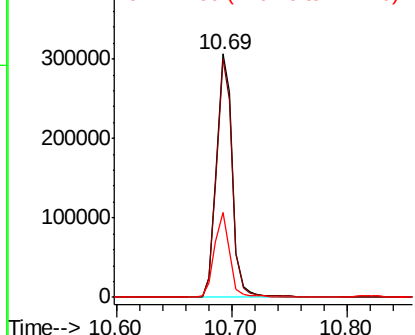


Abundance

Ion 329.80 (329.50 to 330.50): E

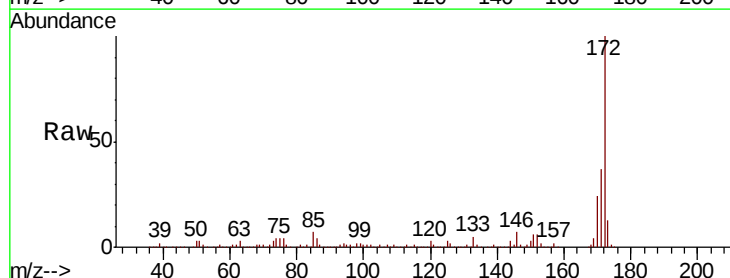
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 69.609 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.3	43.9
170	23.9	19.2	28.8

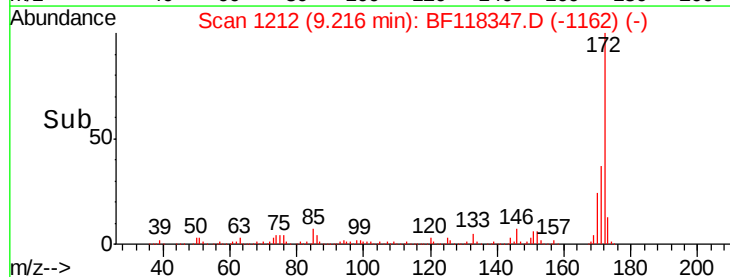
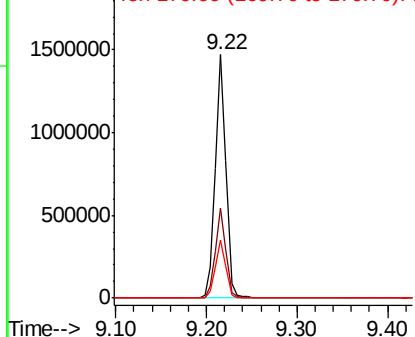


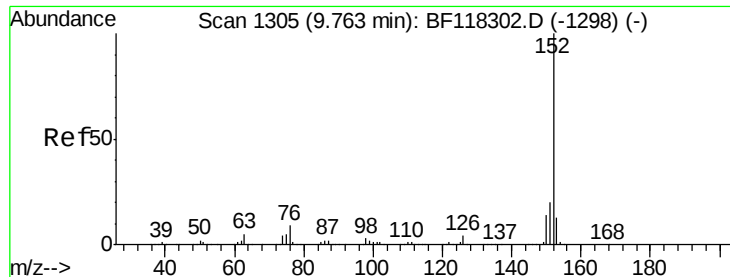
Abundance

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





#49

Acenaphthylene

Concen: 4.024 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

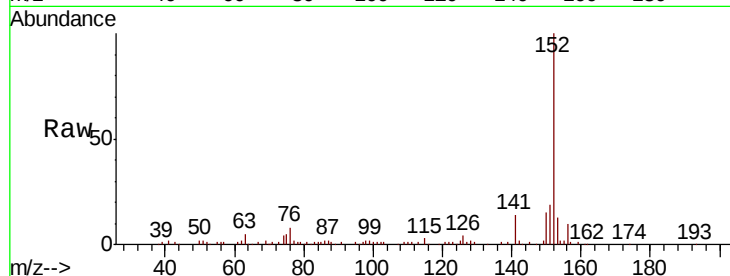
Tot Ion:152 Resp: 101869

Ion Ratio Lower Upper

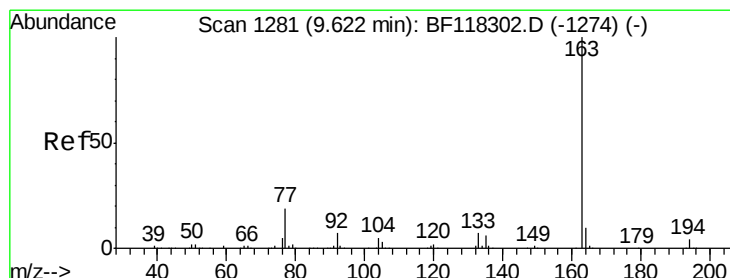
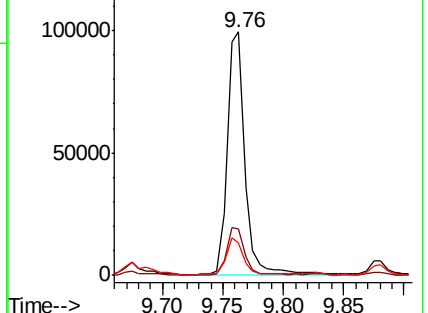
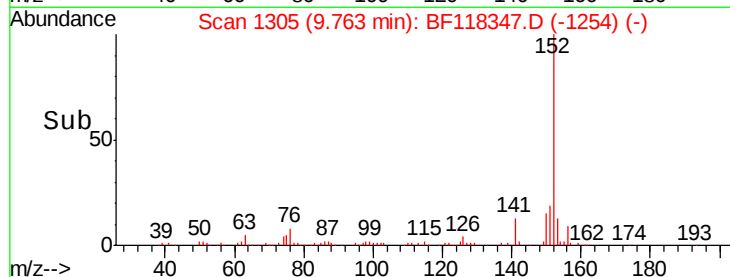
152 100

151 18.9 16.2 24.2

153 13.3 10.5 15.7



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: 4.440 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

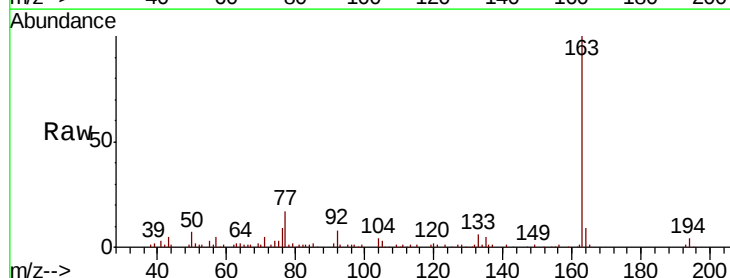
Tgt Ion:163 Resp: 89368

Ion Ratio Lower Upper

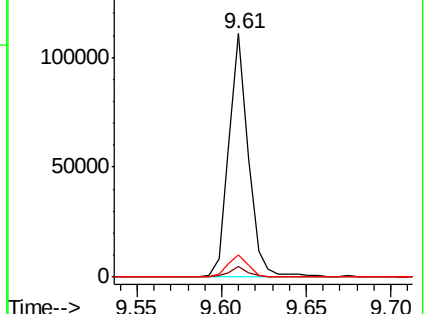
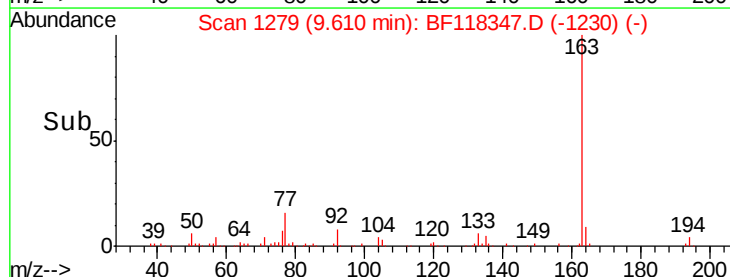
163 100

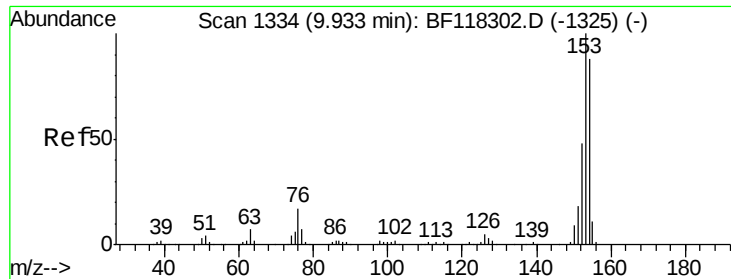
194 4.2 3.2 4.8

164 9.3 7.9 11.9



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





#52

Acenaphthene

Concen: 8.461 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

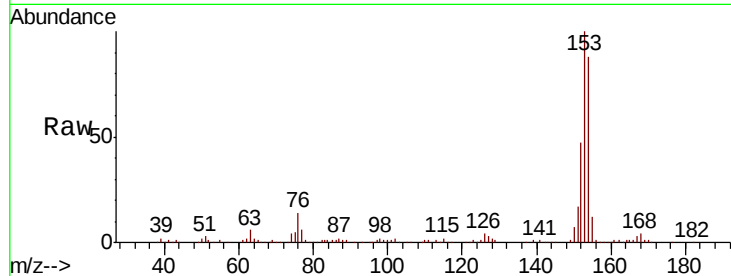
Tot Ion:154 Resp: 130470

Ion Ratio Lower Upper

154 100

153 114.0 90.6 136.0

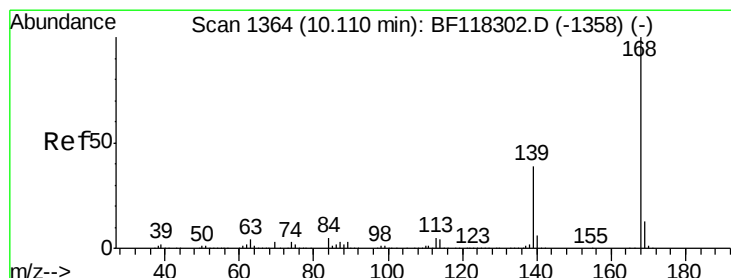
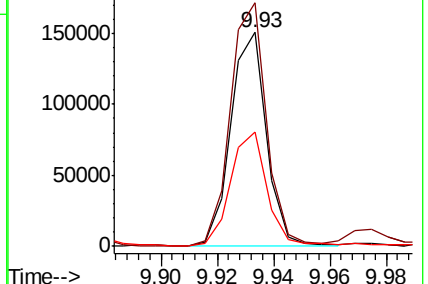
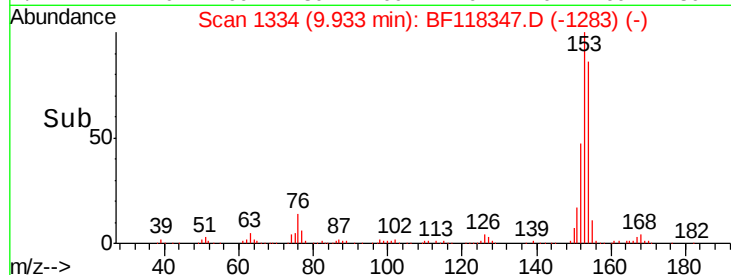
152 53.7 43.1 64.7



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: 5.105 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

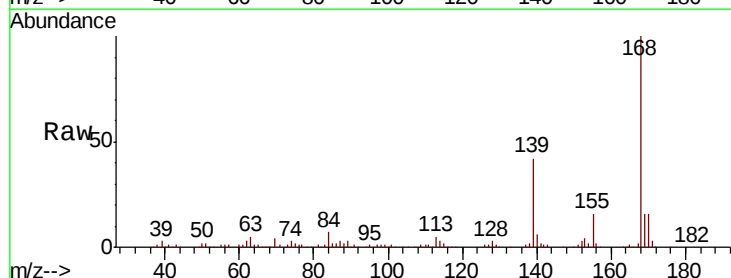
Tgt Ion:168 Resp: 116313

Ion Ratio Lower Upper

168 100

139 42.1 31.5 47.3

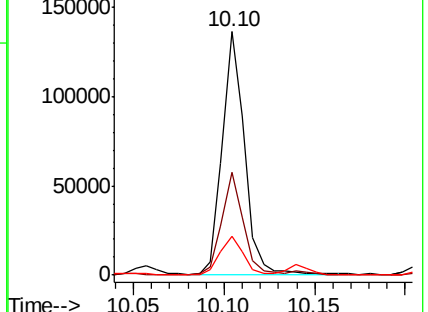
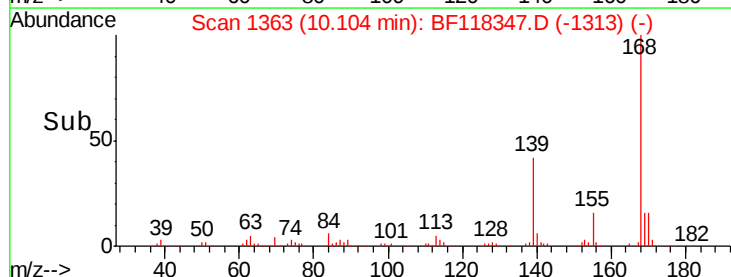
169 15.9 10.4 15.6#

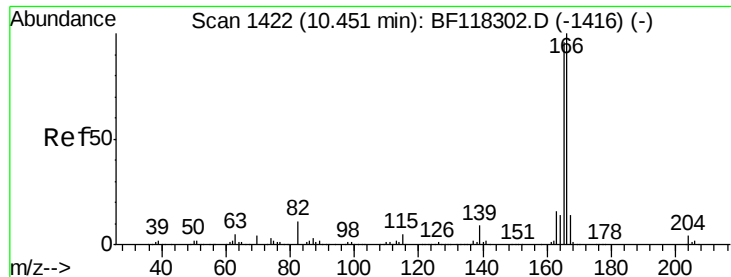


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

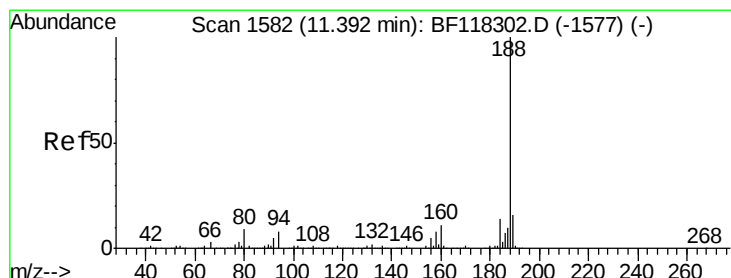
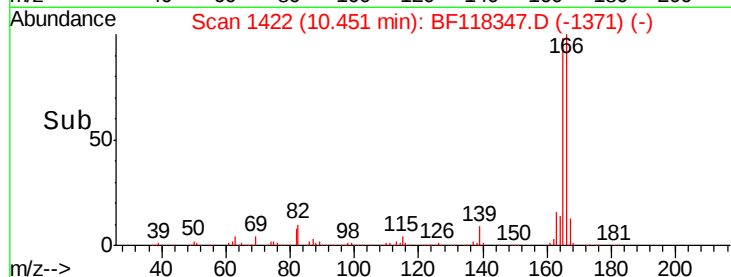
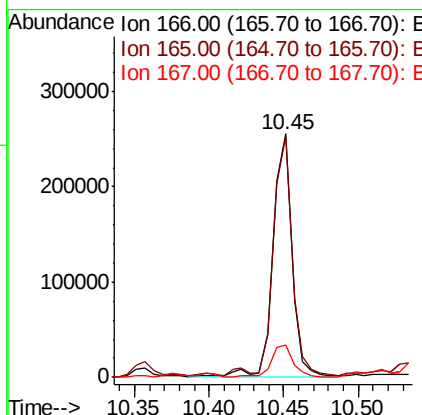
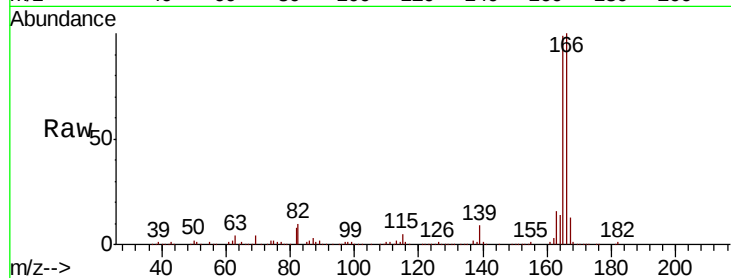




#58
 Fluorene
 Concen: 12.198 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

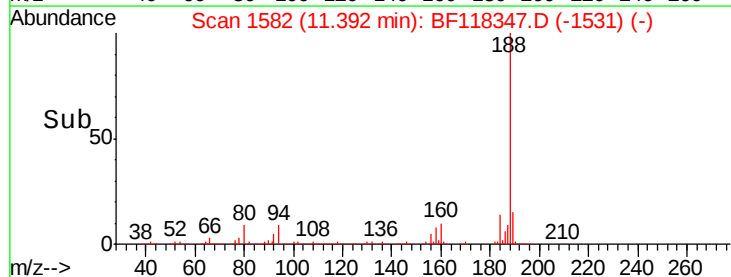
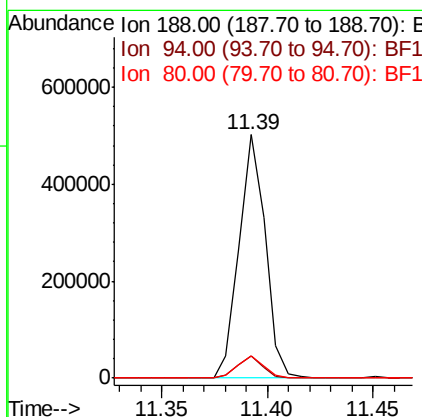
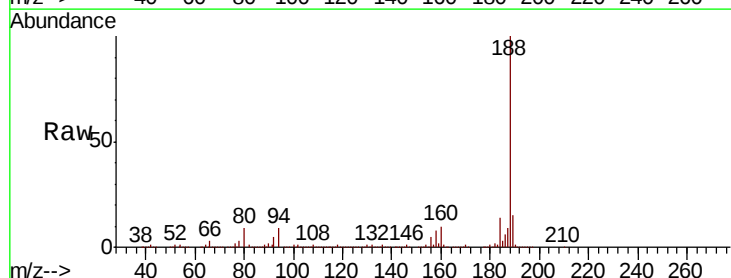
Instrument :
 BNA_F
 ClientSampleId :

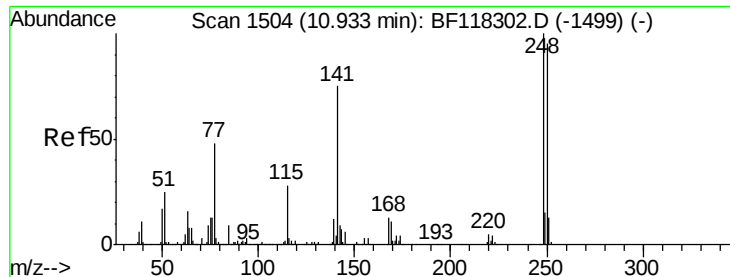
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.0	115.4
167	13.4	10.9	16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.7	10.1
80	9.4	7.2	10.8

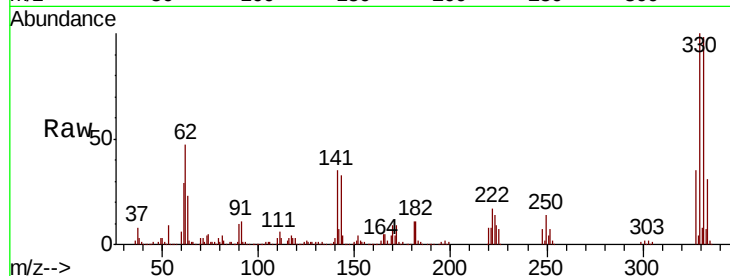




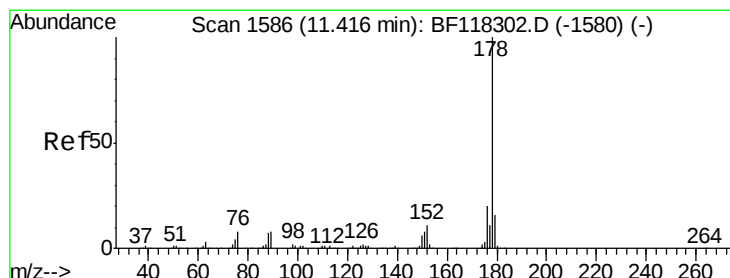
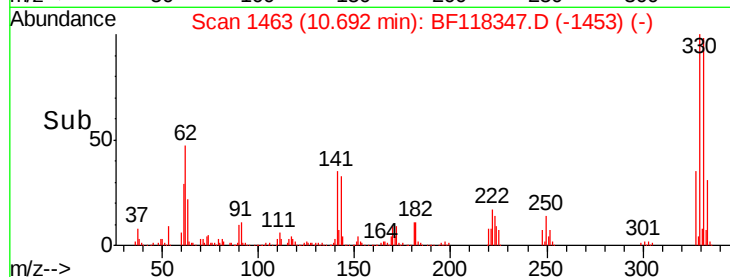
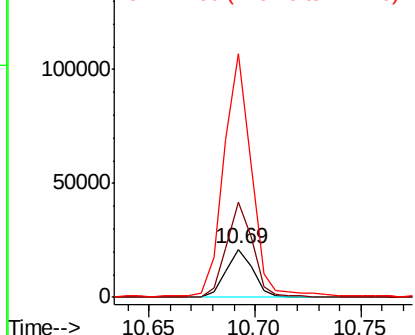
#67
4-Bromophenyl-phenylether
Concen: 3.711 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18785
Ion Ratio Lower Upper
248 100
250 197.6 76.4 114.6#
141 509.1 60.2 90.2#

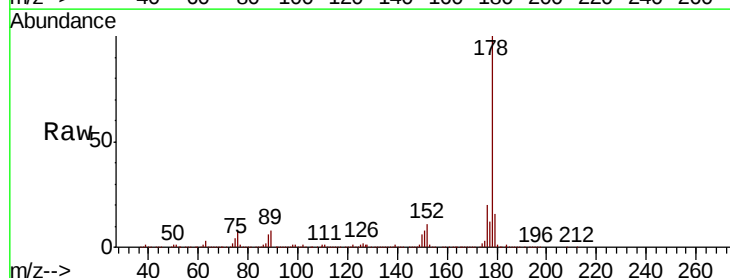


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

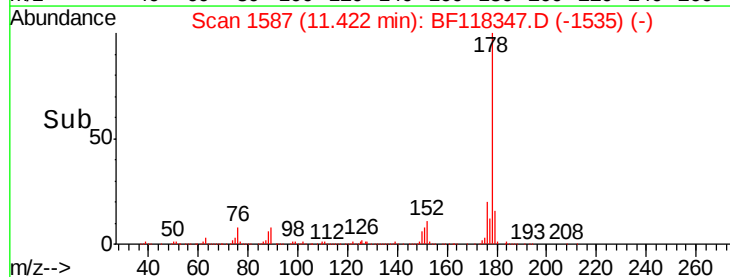
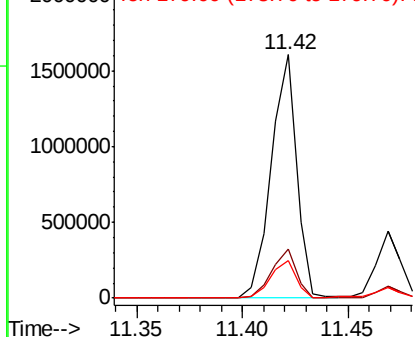


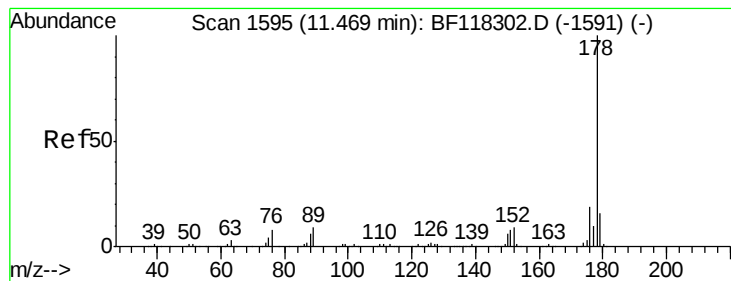
#71
Phenanthrene
Concen: 57.261 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion:178 Resp: 1350051
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 14.681 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

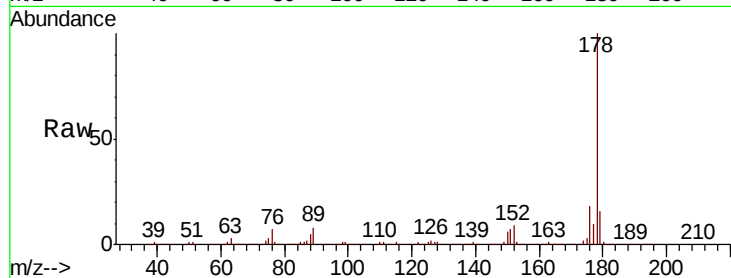
Tot Ion:178 Resp: 346473

Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

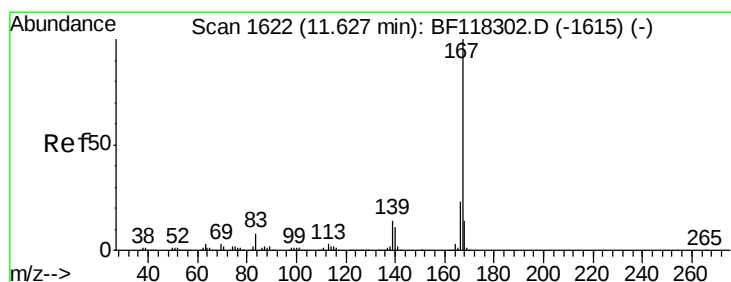
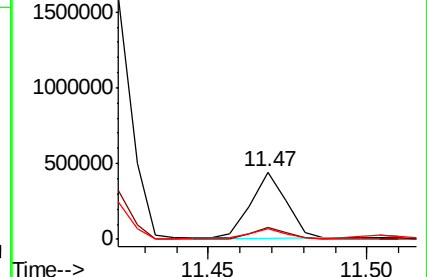
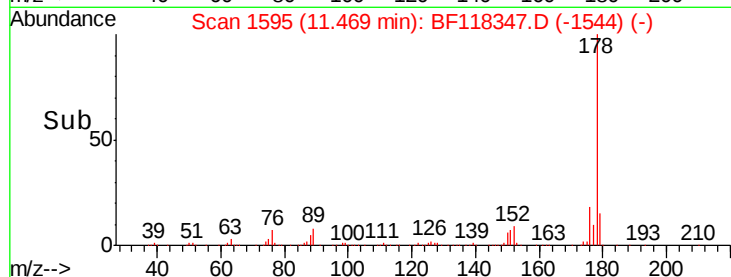
179 15.6 12.9 19.3



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: 4.331 ng

RT: 11.63 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

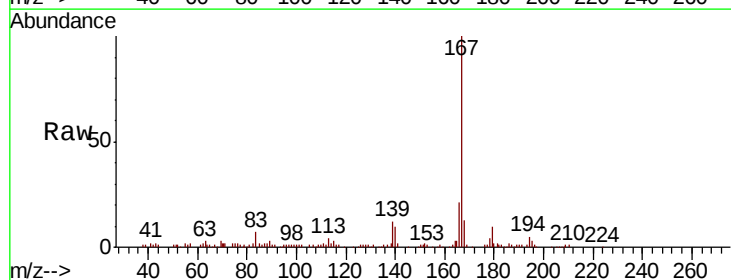
Tgt Ion:167 Resp: 90696

Ion Ratio Lower Upper

167 100

166 21.3 18.1 27.1

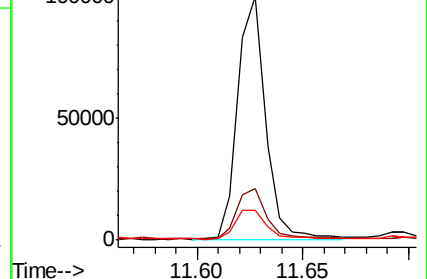
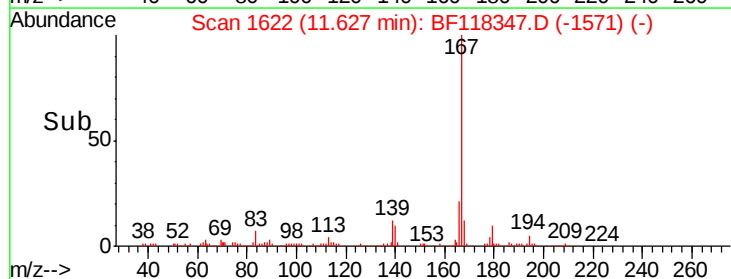
139 12.2 11.5 17.3

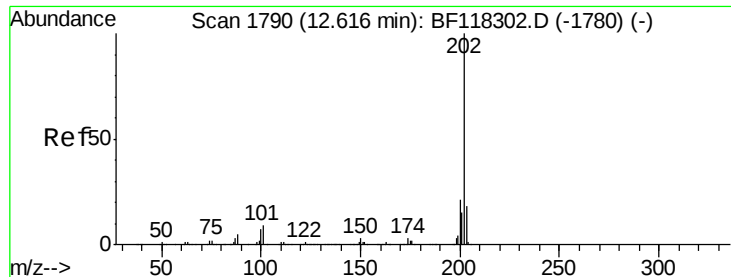


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 47.519 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

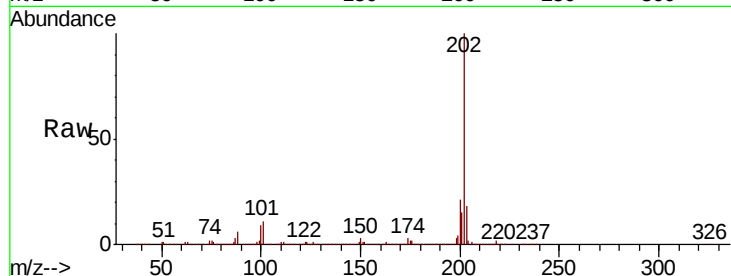
Tot Ion:202 Resp: 1130684

Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.5

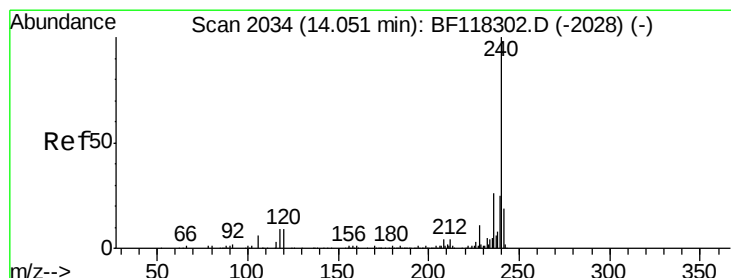
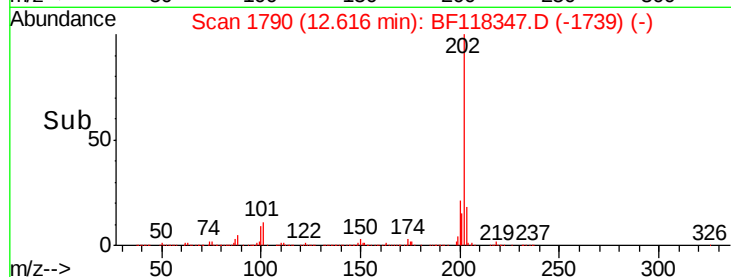
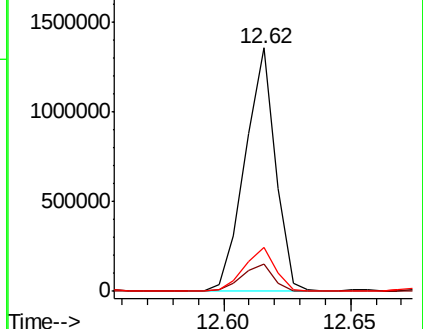
203 18.1 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

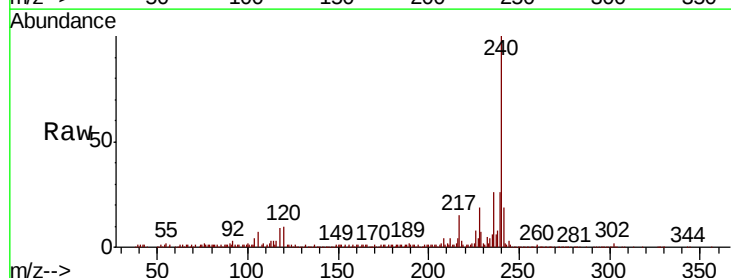
Tgt Ion:240 Resp: 338019

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

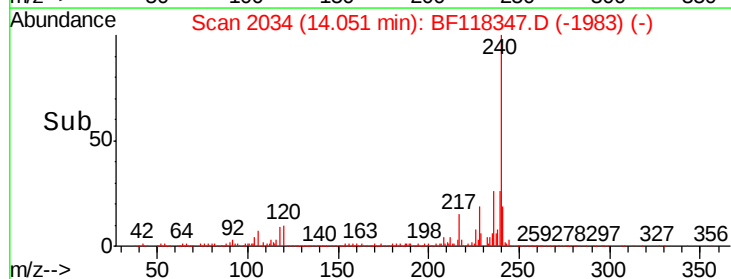
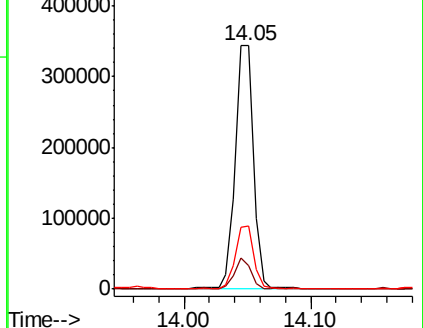
236 26.1 21.0 31.6

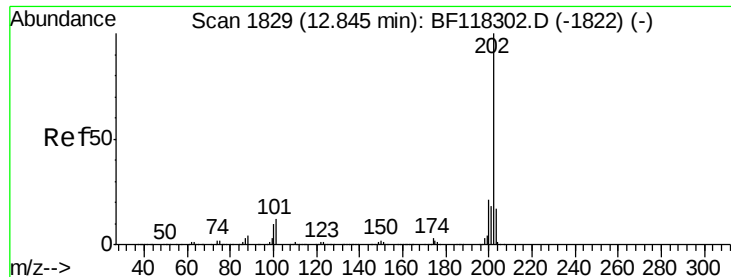


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

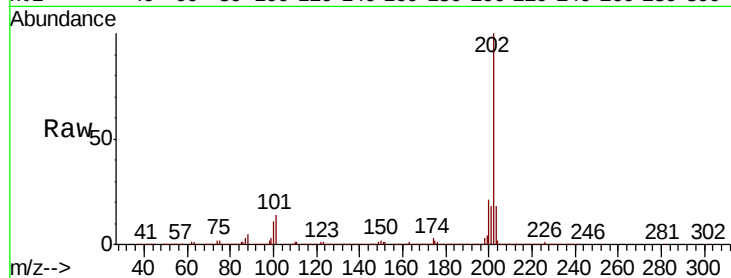




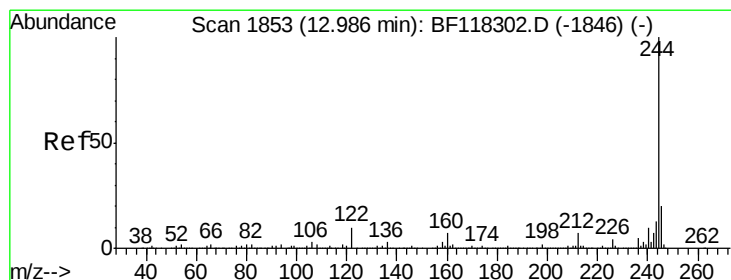
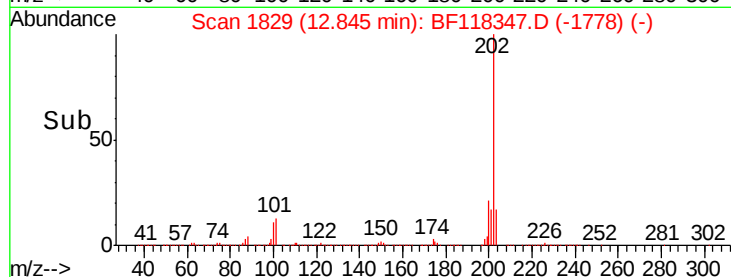
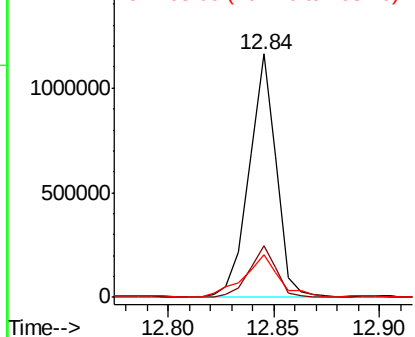
#78
Pvrene
Concen: 37.553 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1036575
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.8 13.9 20.9

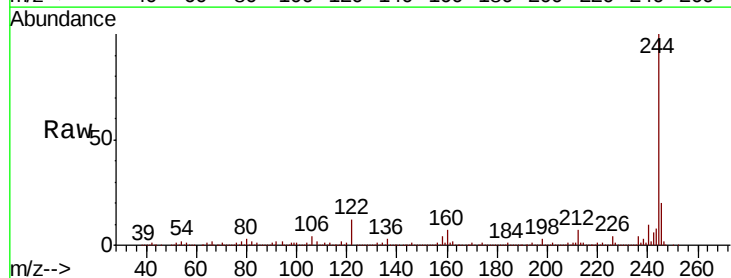


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

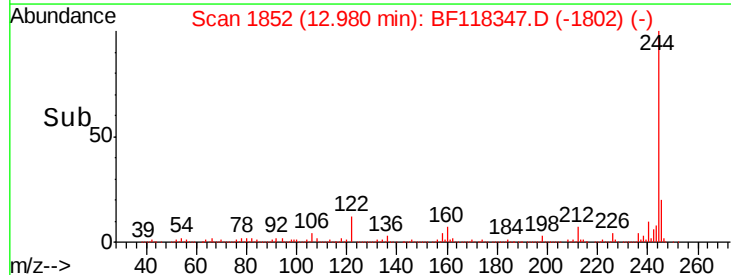
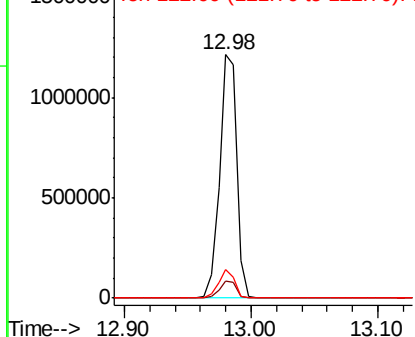


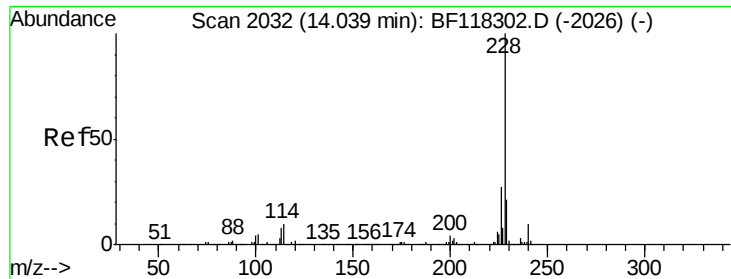
#79
Terphenyl-d14
Concen: 56.645 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion:244 Resp: 1154108
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.8 7.8 11.8#



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

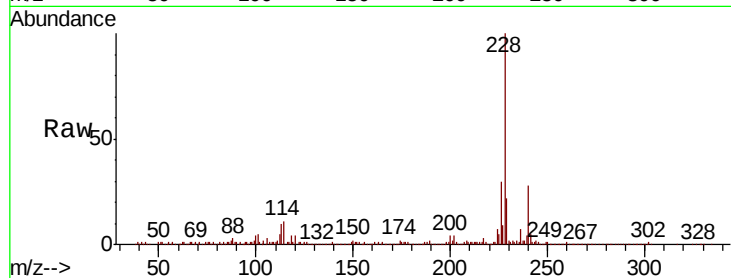




#81
Benzo(a)anthracene
Concen: 19.938 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.0	33.0
229	21.7	16.6	24.8

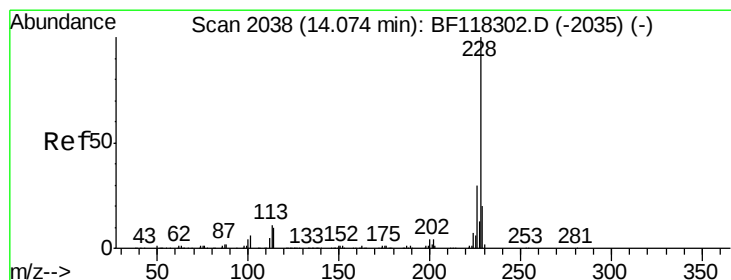
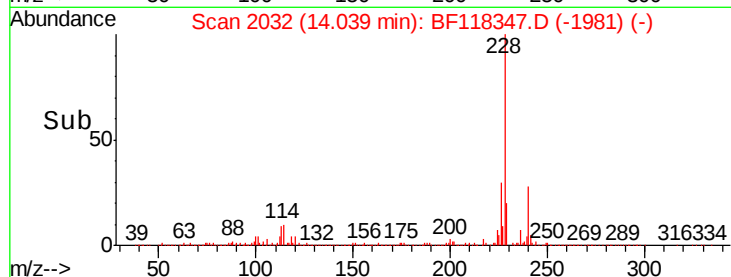
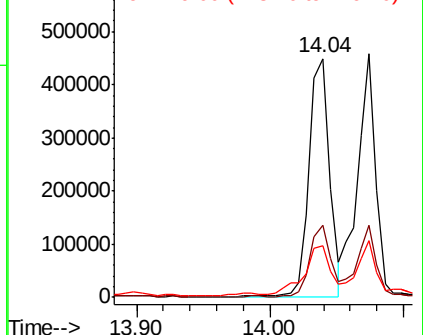


Abundance

Ion 228.00 (227.70 to 228.70): E

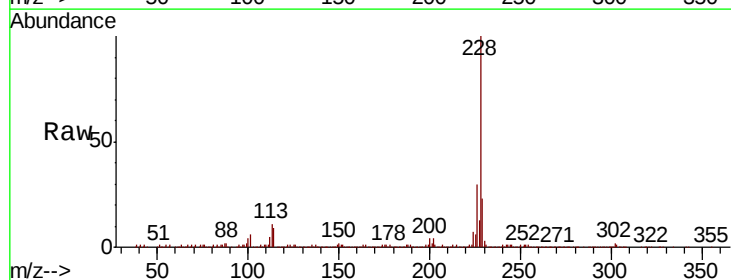
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 19.194 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	23.4	16.1	24.1

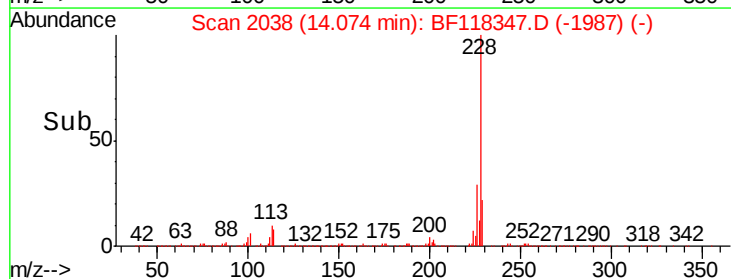
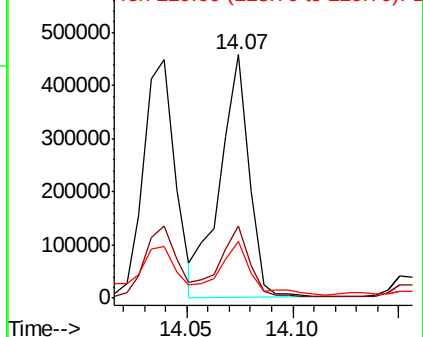


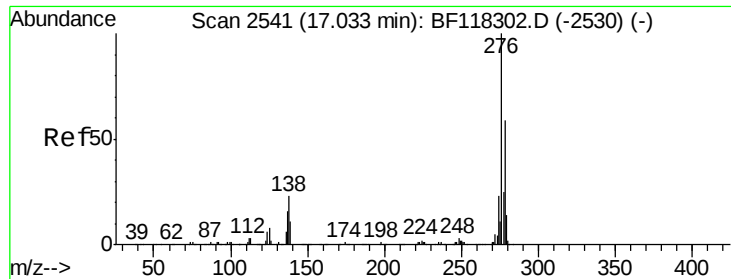
Abundance

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

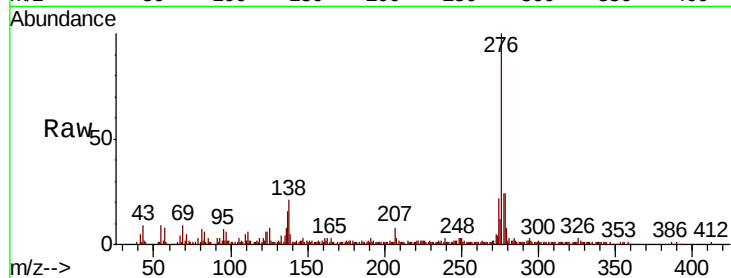




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.720 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.5	29.3
277	25.1	20.6	30.8

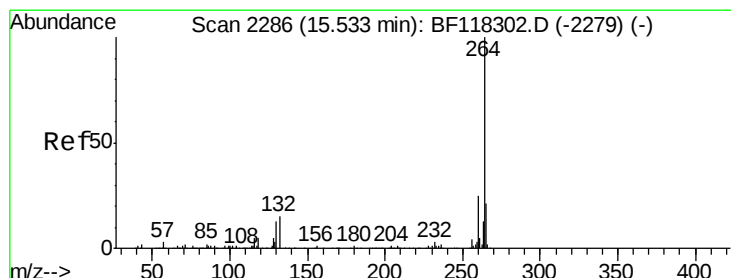
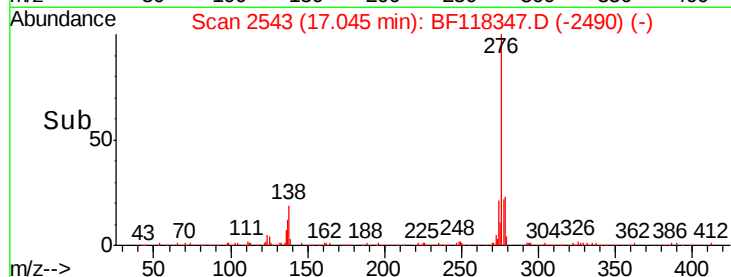
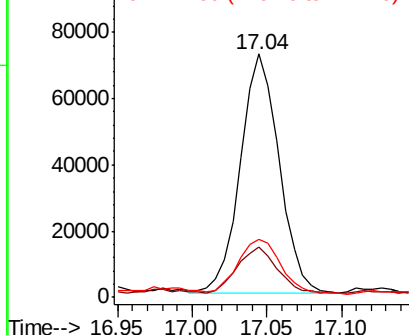


Abundance

Ion 276.00 (275.70 to 276.70): E

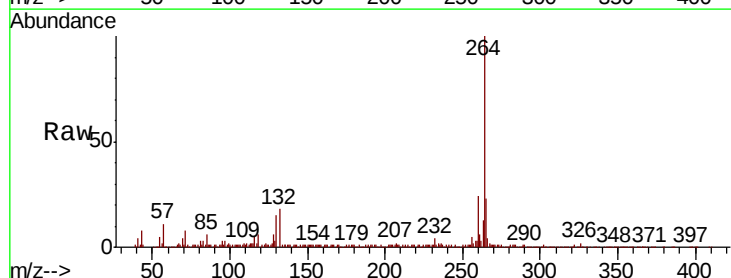
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118347.D
 Acq: 27 Dec 2019 19:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.7	17.0	25.4

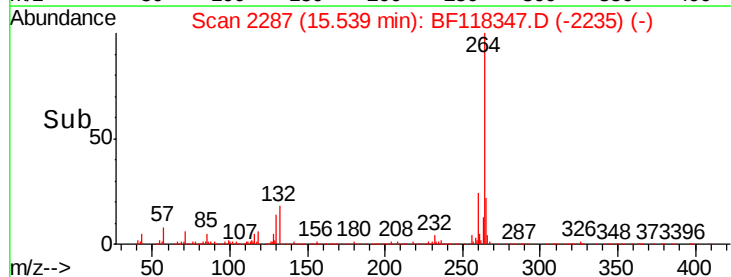
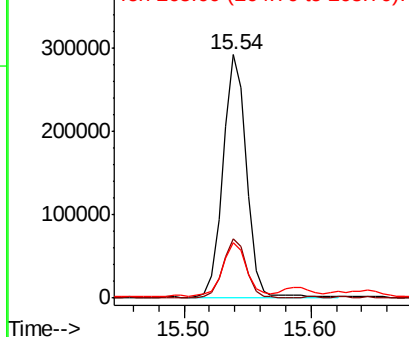


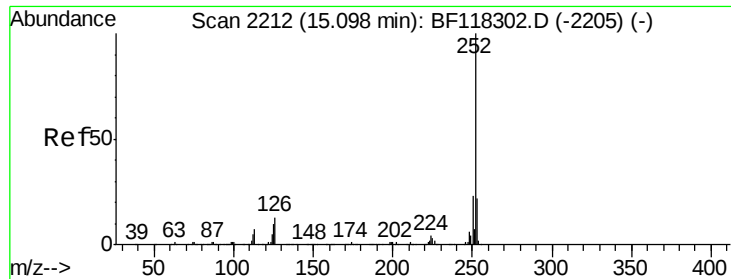
Abundance

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: 22.512 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF118347.D

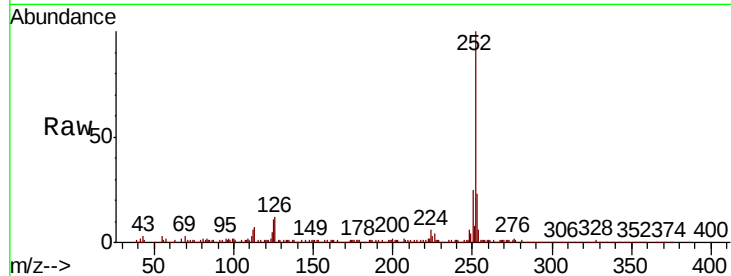
Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	552397
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	11.2	7.7	11.5

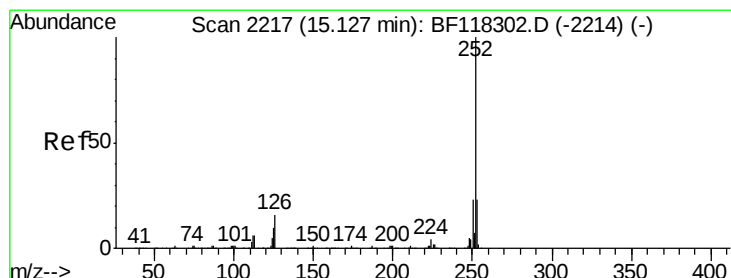
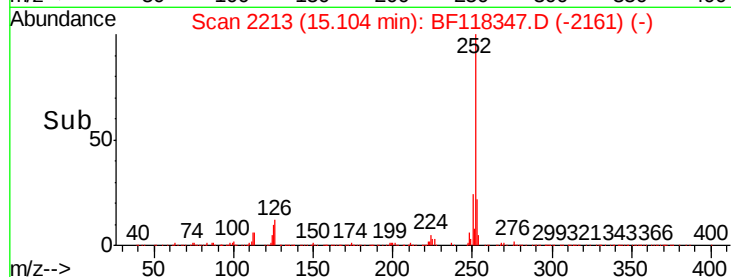
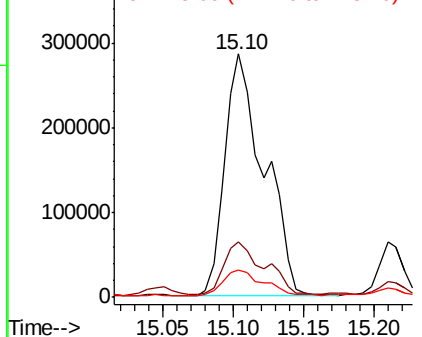


Abundance

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: 23.446 ng

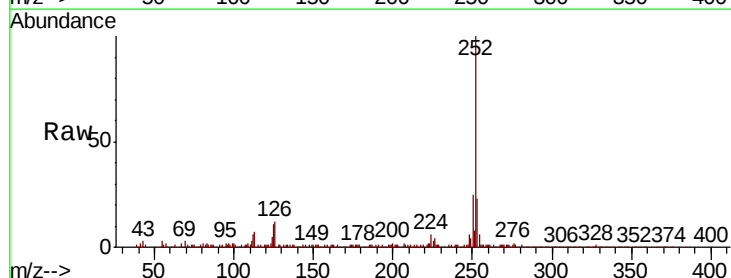
RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Tgt Ion:	252	Resp:	552397
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	8.0	12.0

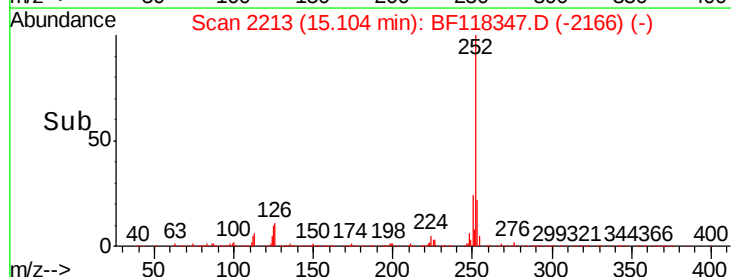
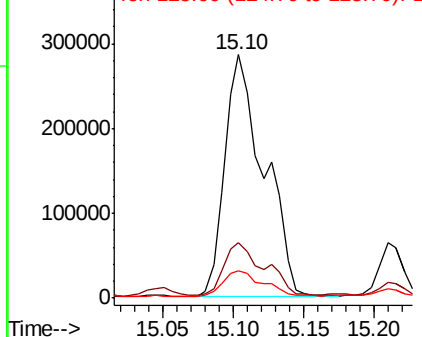


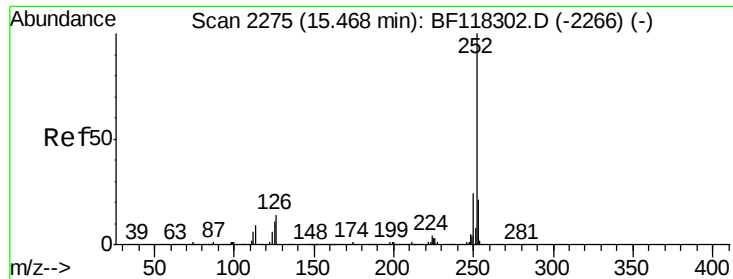
Abundance

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

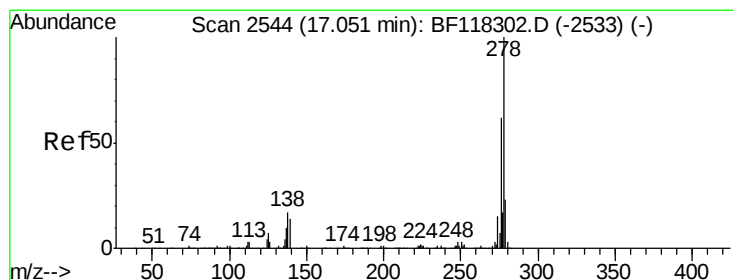
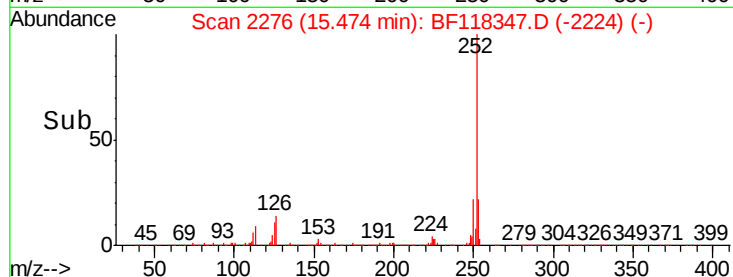
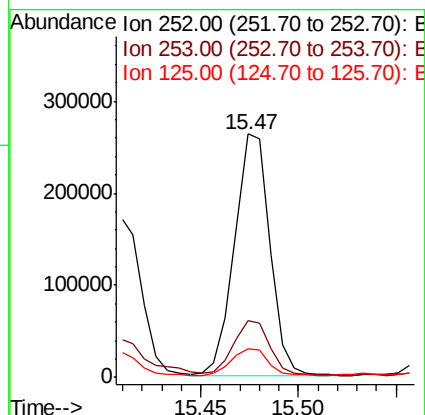
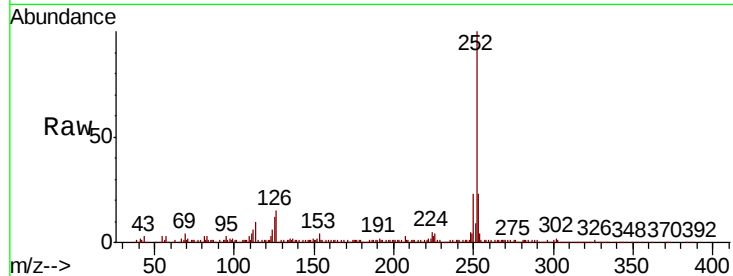




#90
Benzo(a)pyrene
Concen: 15.347 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

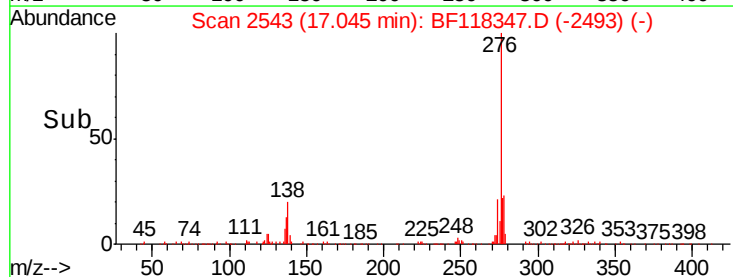
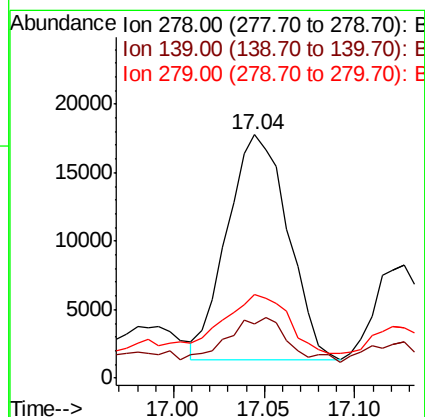
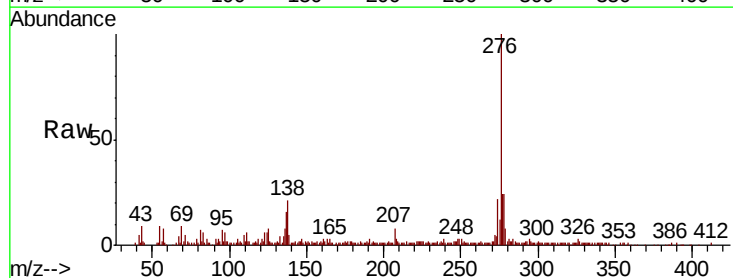
Instrument :
BNA_F
ClientSampleId :

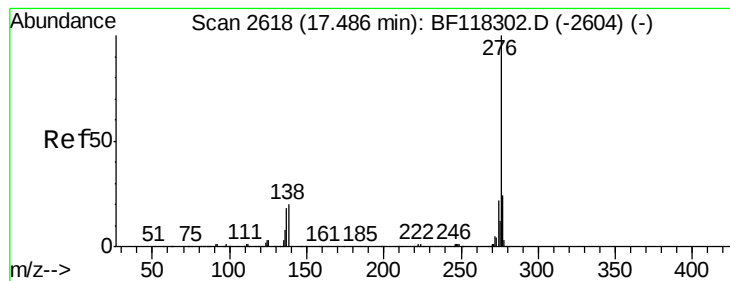
Tot Ion:252 Resp: 331731
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 11.8 9.0 13.4



#91
Dibenzo(a,h)anthracene
Concen: 2.043 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF118347.D
Acq: 27 Dec 2019 19:37

Tgt Ion:278 Resp: 38332
Ion Ratio Lower Upper
278 100
139 22.2 11.5 17.3#
279 34.2 18.3 27.5#





#92

Benzo(a,h,i)perylene

Concen: 6.644 ng

RT: 17.50 min Scan# 2621

Delta R.T. 0.02 min

Lab File: BF118347.D

Acq: 27 Dec 2019 19:37

Instrument :

BNA_F

ClientSampleId :

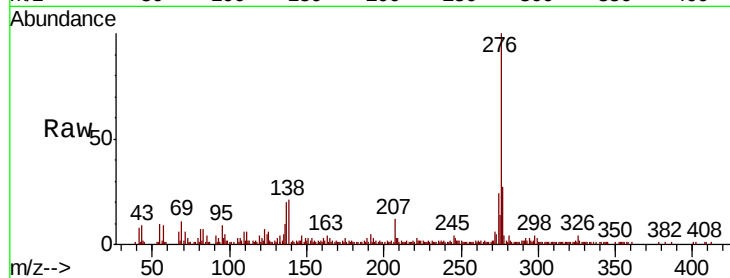
Tot Ion:276 Resp: 120385

Ion Ratio Lower Upper

276 100

277 26.8 19.1 28.7

138 21.5 16.1 24.1



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

