

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118019.D
 Acq On : 26 Nov 2019 20:48
 Operator : JU
 Sample : K5959-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 00:46:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	120343	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	444592	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	203387	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	315424	20.00	ng	0.00
76) Chrysene-d12	14.10	240	205763	20.00	ng	0.01
87) Perylene-d12	15.60	264	187420	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	171692	25.25	ng	0.00
7) Phenol-d6	6.51	99	177713	21.67	ng	-0.01
23) Nitrobenzene-d5	7.45	82	99499	13.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	35408	16.44	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	195198	17.22	ng	0.00
79) Terphenyl-d14	13.03	244	156339	13.89	ng	0.00

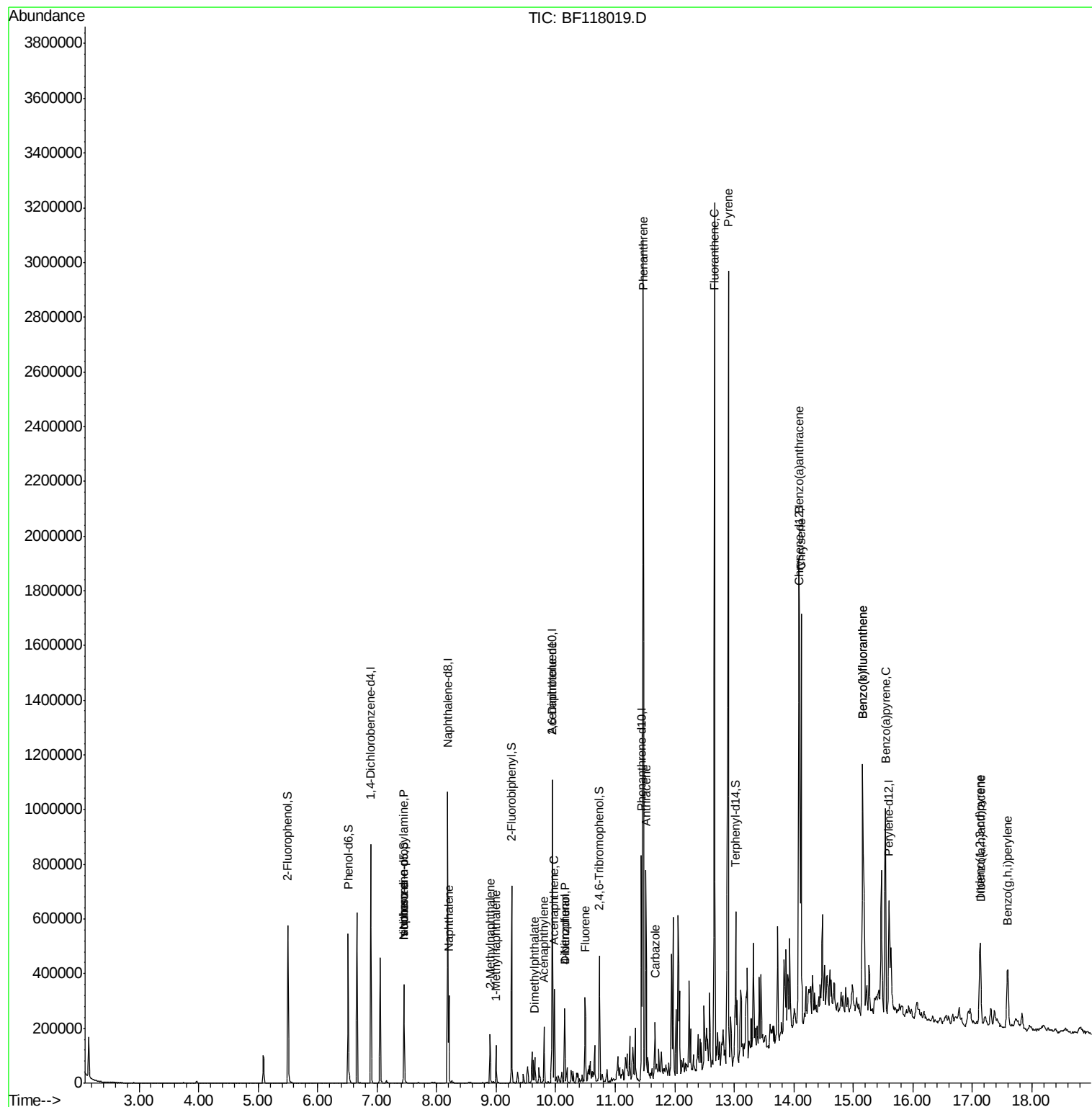
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	281	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	12940	2.558	ng	# 78
25) Isophorone	7.45	82	99498	7.259	ng	# 62
31) Naphthalene	8.20	128	124721	6.017	ng	97
37) 2-Methylnaphthalene	8.90	142	45158	3.225	ng	99
38) 1-Methylnaphthalene	9.00	142	33983	2.567	ng	100
49) Acenaphthylene	9.80	152	70801	3.912	ng	97
50) Dimethylphthalate	9.65	163	33256	2.332	ng	98
51) 2,6-Dinitrotoluene	9.95	165	28214	9.051	ng	# 23
52) Acenaphthene	9.98	154	75056	6.474	ng	99
55) Dibenzofuran	10.15	168	90935	5.664	ng	97
56) 4-Nitrophenol	10.15	139	37539	13.483	ng	# 9
58) Fluorene	10.49	166	80919	6.504	ng	99
71) Phenanthrene	11.47	178	1092724	68.905	ng	97
72) Anthracene	11.52	178	261279	16.617	ng	98
73) Carbazole	11.67	167	65613	4.775	ng	98
75) Fluoranthene	12.67	202	1276526	97.108	ng	99
78) Pyrene	12.90	202	1223746	73.592	ng	98
81) Benzo(a)anthracene	14.09	228	581696	42.781	ng	98
83) Chrysene	14.12	228	499011	37.874	ng	98
86) Indeno(1,2,3-cd)pyrene	17.13	276	193560	17.261	ng	# 94
88) Benzo(b)fluoranthene	15.16	252	698732	57.383	ng	99
89) Benzo(k)fluoranthene	15.16	252	698732	60.901	ng	97
90) Benzo(a)pyrene	15.54	252	375278	35.048	ng	97
91) Dibenzo(a,h)anthracene	17.14	278	51909	5.632	ng	95
92) Benzo(g,h,i)perylene	17.59	276	178195	19.412	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118019.D
Acq On : 26 Nov 2019 20:48
Operator : JU
Sample : K5959-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 27 00:46:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

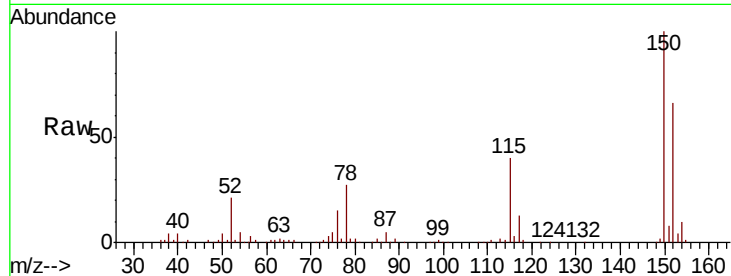




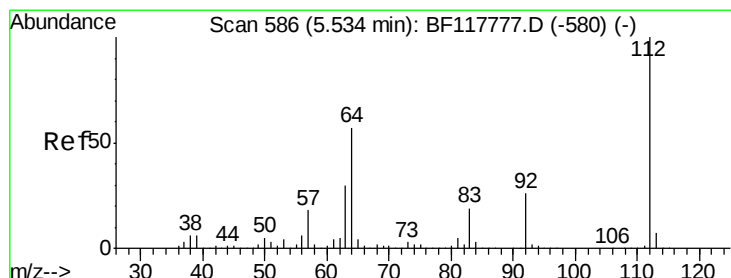
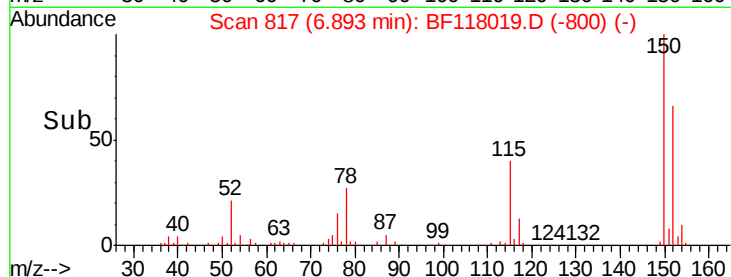
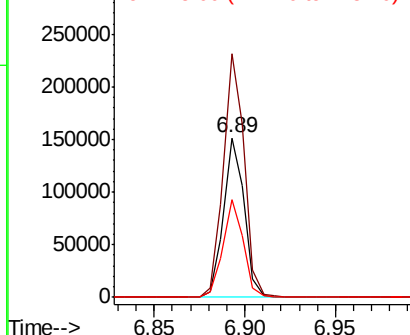
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 120343
 Ion Ratio Lower Upper
 152 100
 150 152.4 125.3 187.9
 115 61.3 47.0 70.4

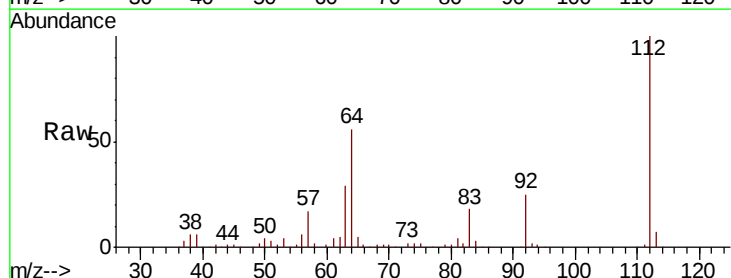


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

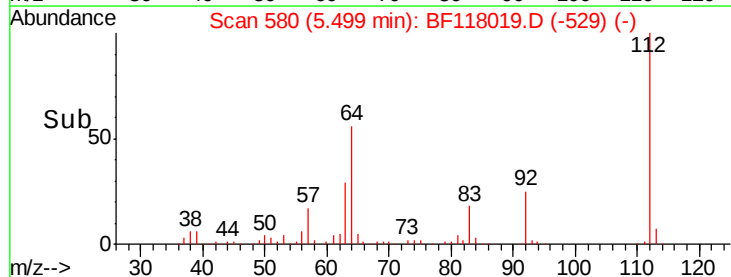
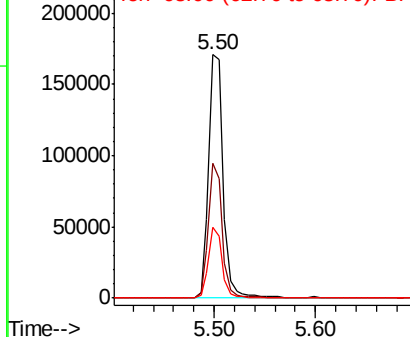


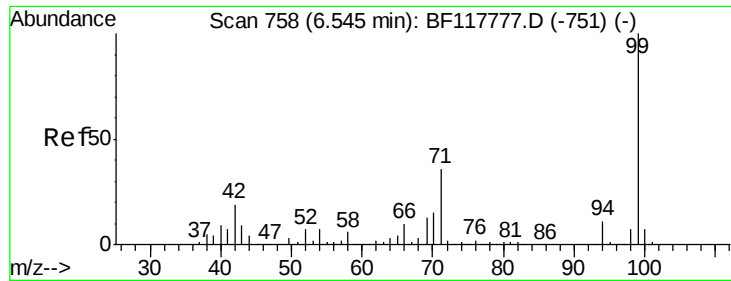
#5
 2-Fluorophenol
 Concen: 25.254 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

Tgt Ion:112 Resp: 171692
 Ion Ratio Lower Upper
 112 100
 64 55.6 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: 21.672 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

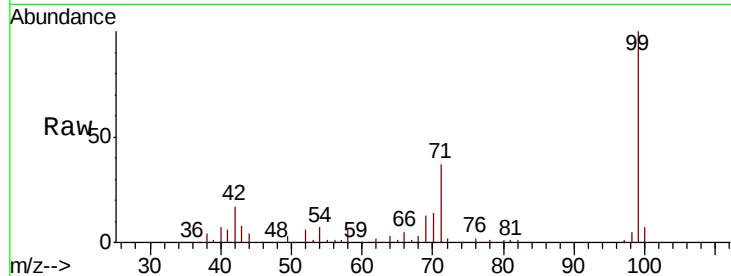
Tot Ion: 99 Resp: 177713

Ion Ratio Lower Upper

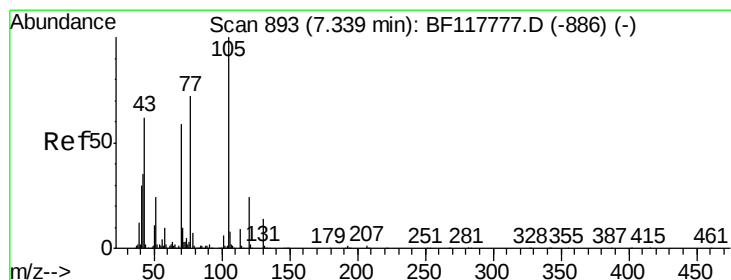
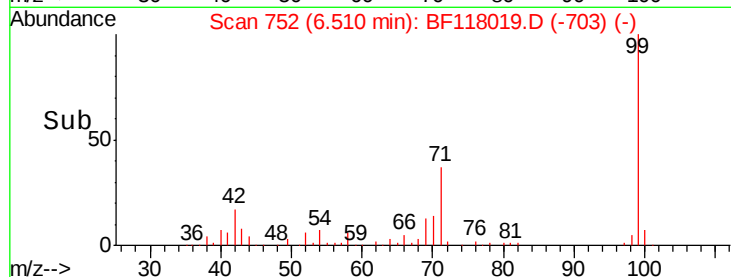
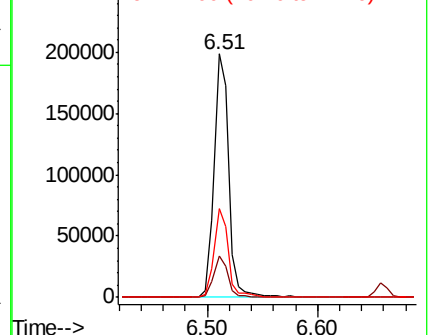
99 100

42 17.3 14.9 22.3

71 36.7 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: 2.558 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Tgt Ion: 70 Resp: 12940

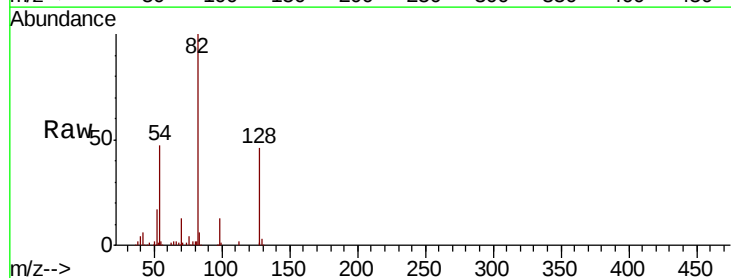
Ion Ratio Lower Upper

70 100

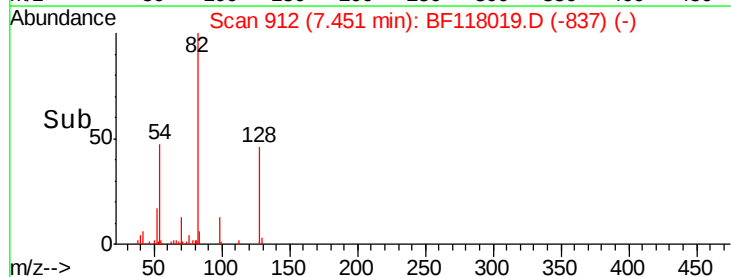
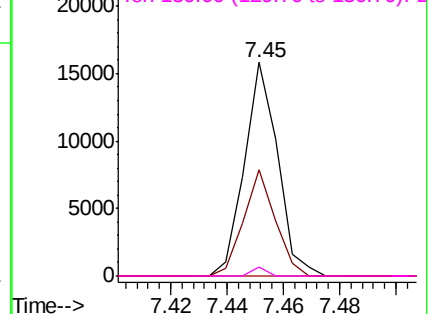
42 49.5 47.4 71.2

101 0.0 8.4 12.6#

130 3.9 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

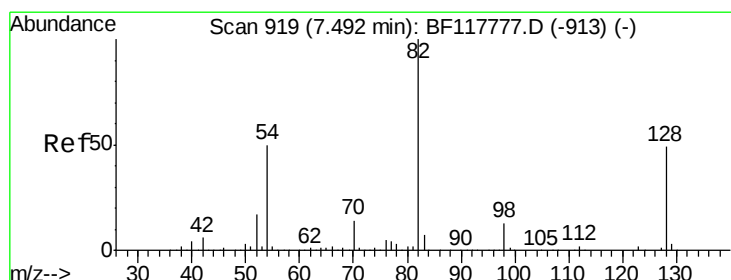
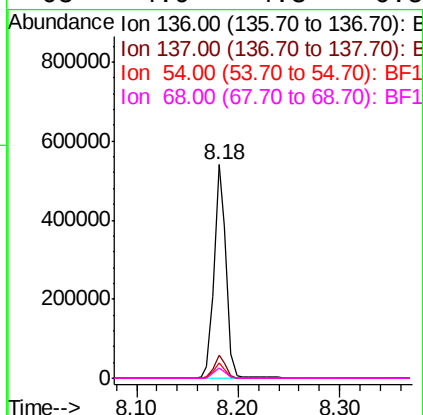
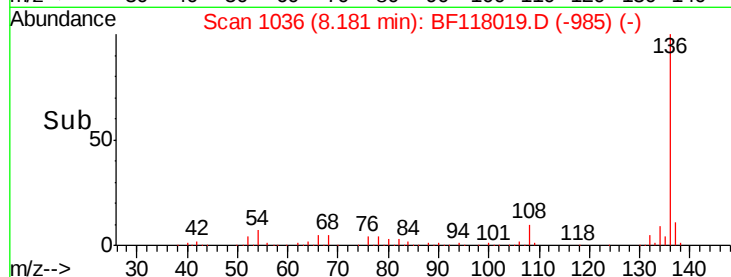
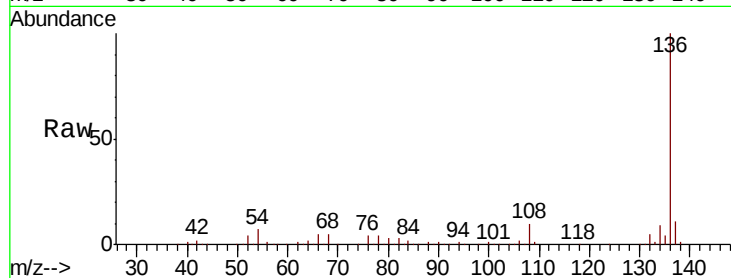




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

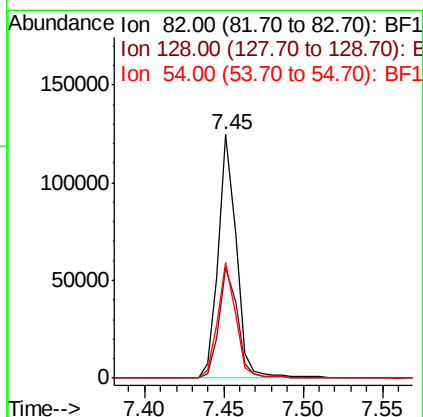
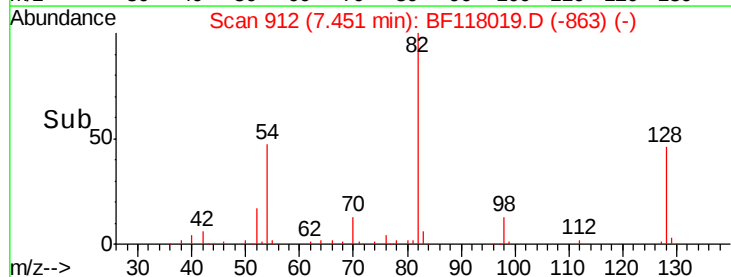
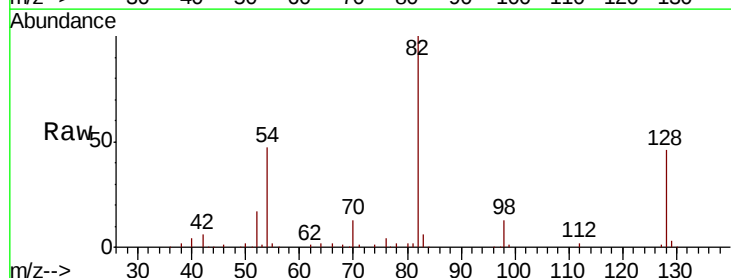
Instrument :
BNA_F
ClientSampleId :

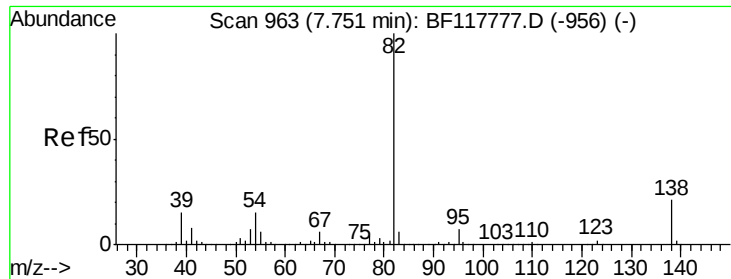
Tot Ion:136	Resp:	444592
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	7.0	5.4 8.2
68	4.9	4.3 6.5



#23
Nitrobenzene-d5
Concen: 13.304 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion: 82	Resp:	99499
Ion Ratio	Lower	Upper
82	100	
128	45.6	38.9 58.3
54	47.5	39.8 59.6





#25

Isophorone

Concen: 7.259 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

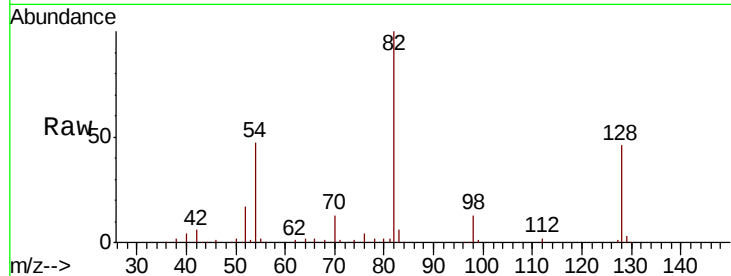
Tot Ion: 82 Resp: 99498

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

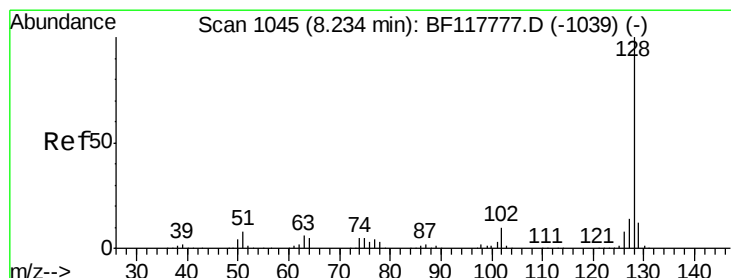
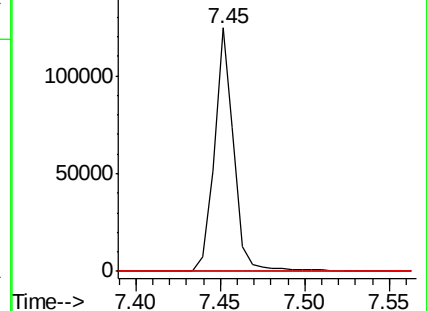
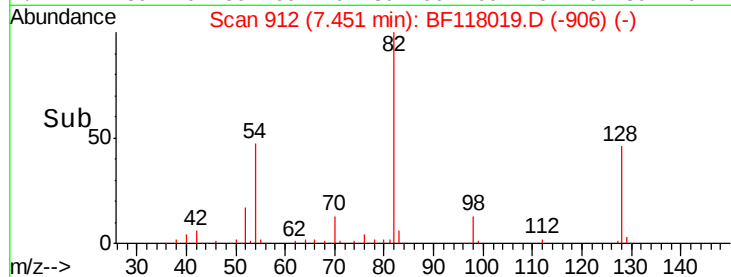
138 0.0 16.5 24.7#



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: 6.017 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

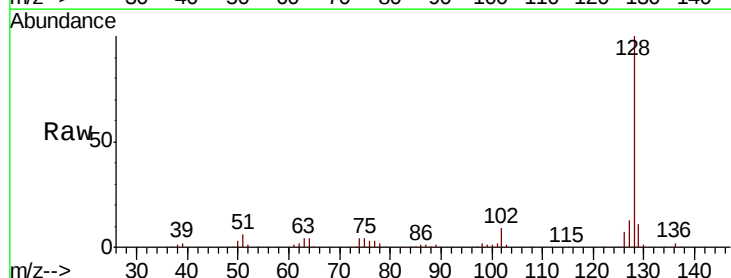
Tgt Ion: 128 Resp: 124721

Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

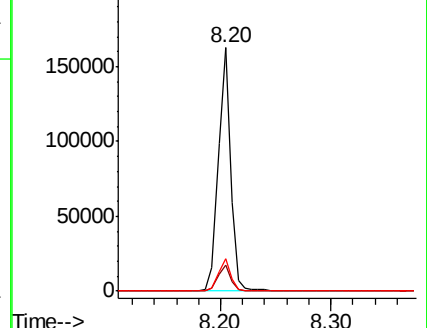
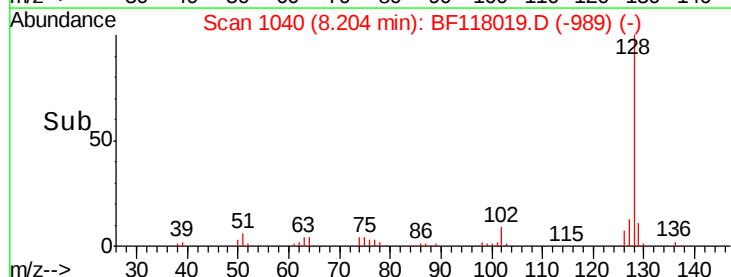
127 13.3 11.3 16.9

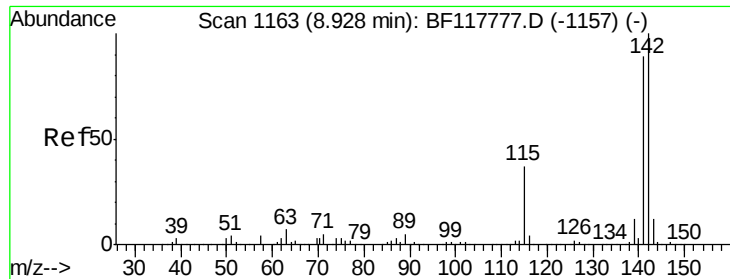


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

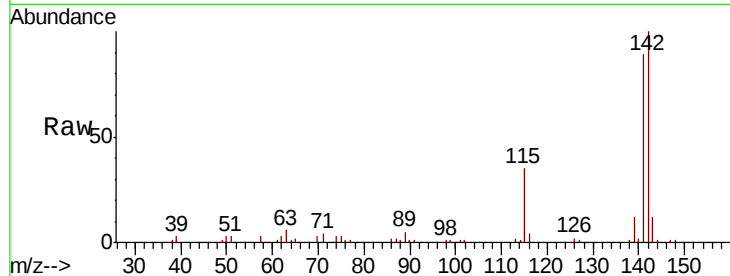




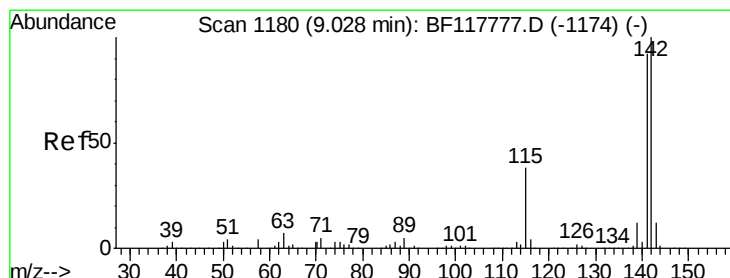
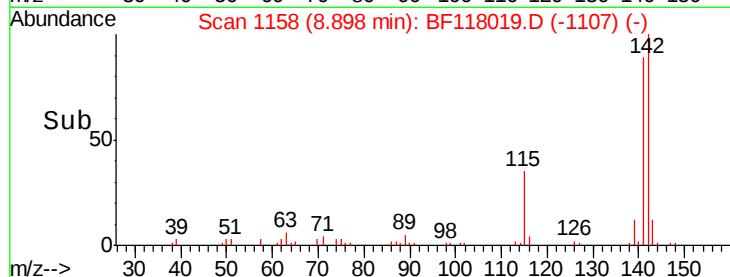
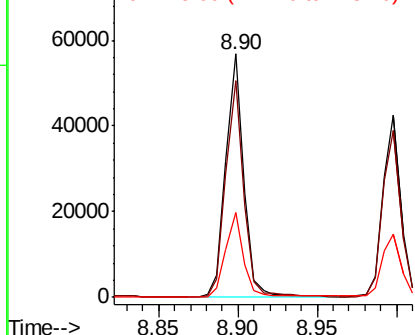
#37
2-Methylnaphthalene
Concen: 3.225 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 45158
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7
115 35.1 29.2 43.8

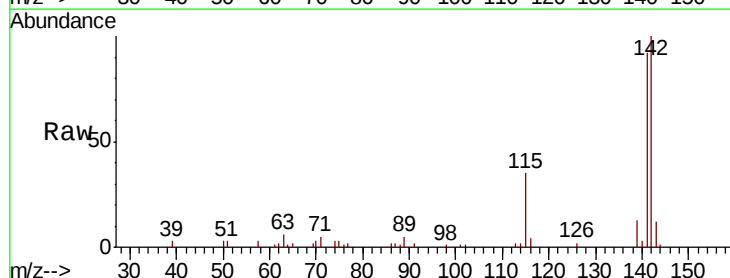


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

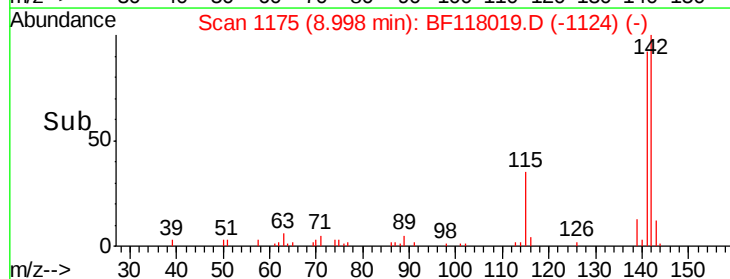
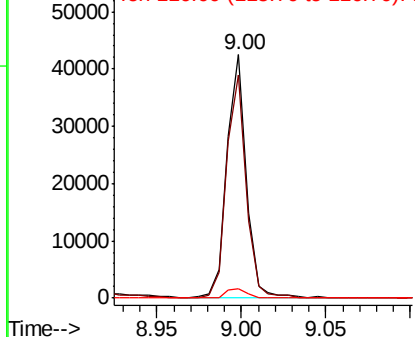


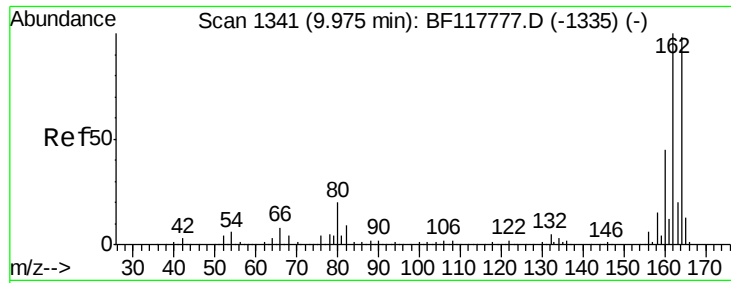
#38
1-Methylnaphthalene
Concen: 2.567 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion:142 Resp: 33983
Ion Ratio Lower Upper
142 100
141 91.8 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

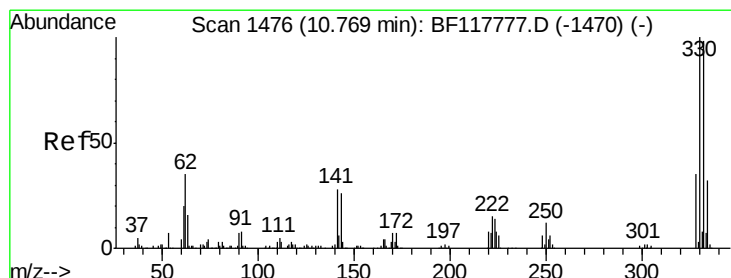
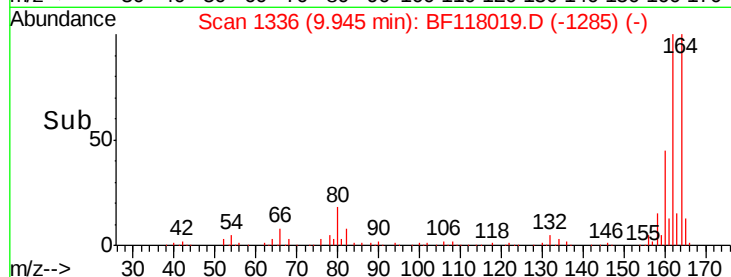
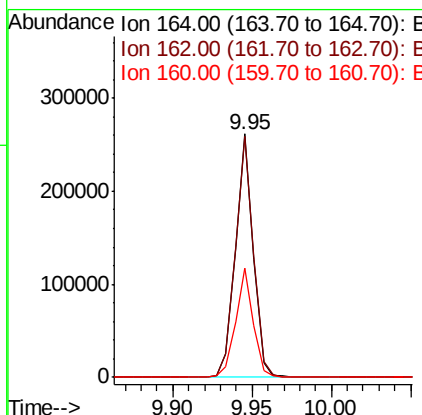
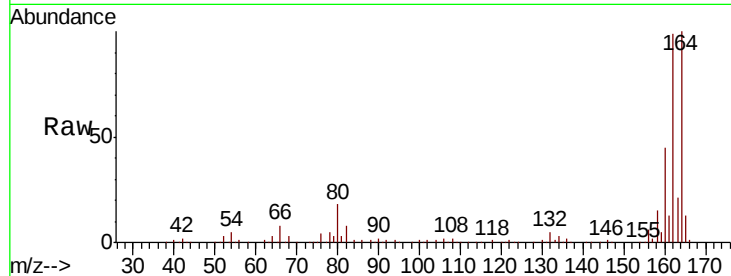




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

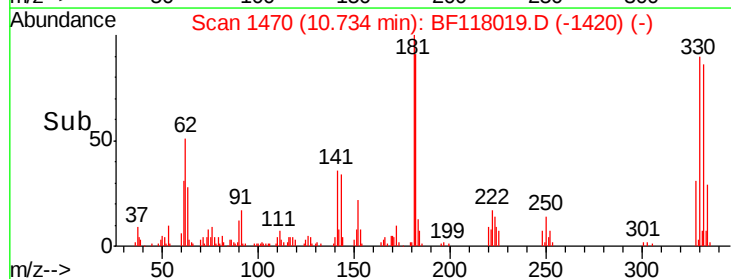
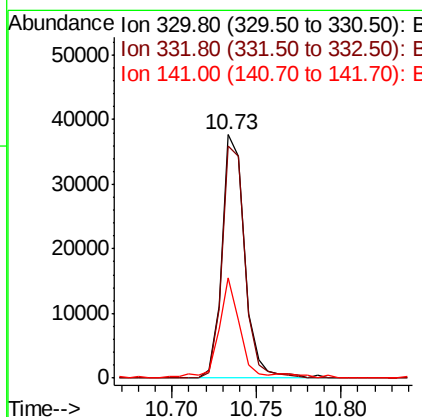
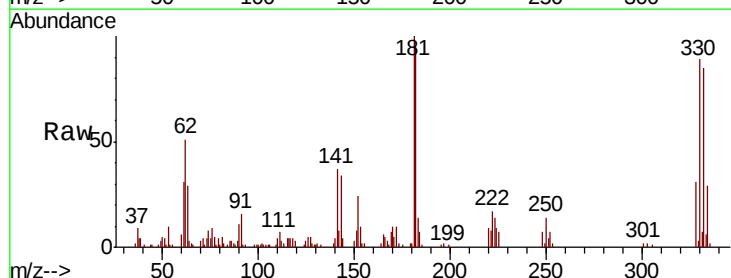
Instrument :
BNA_F
ClientSampleId :

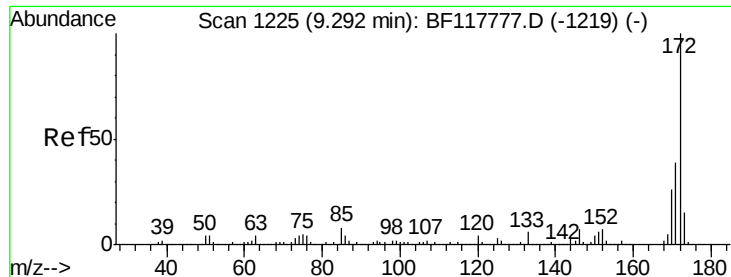
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.3	121.9
160	45.1	36.6	55.0



#42
2,4,6-Tribromophenol
Concen: 16.444 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	38.0	27.7	41.5

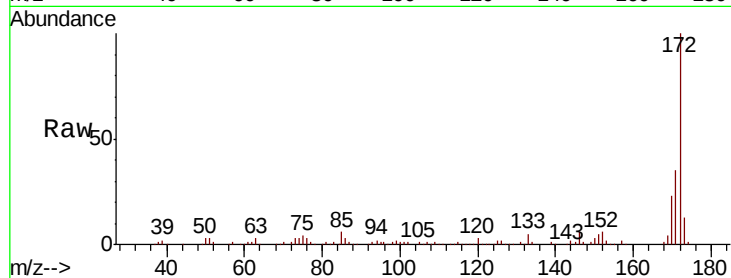




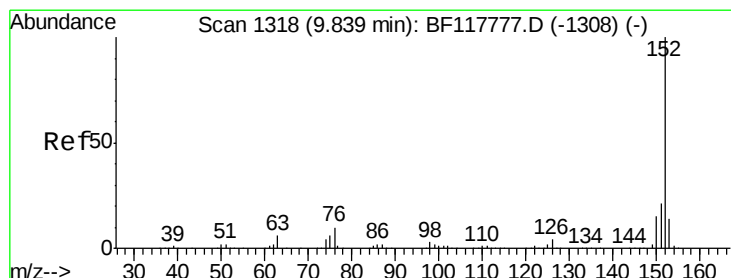
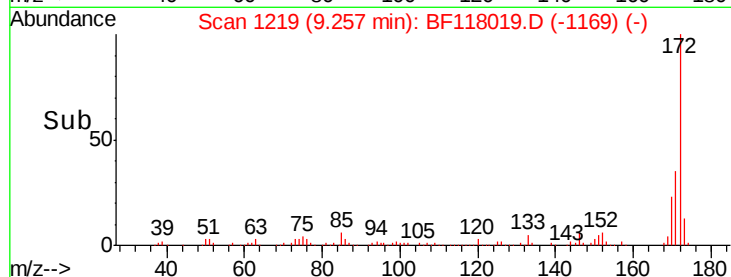
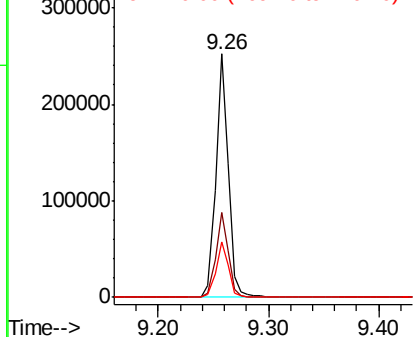
#45
2-Fluorobiphenyl
Concen: 17.218 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.9	46.3
170	23.0	21.0	31.4

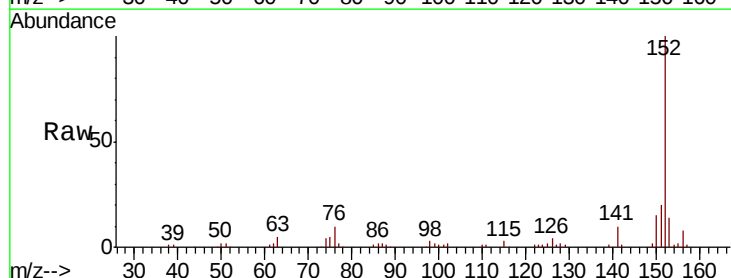


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

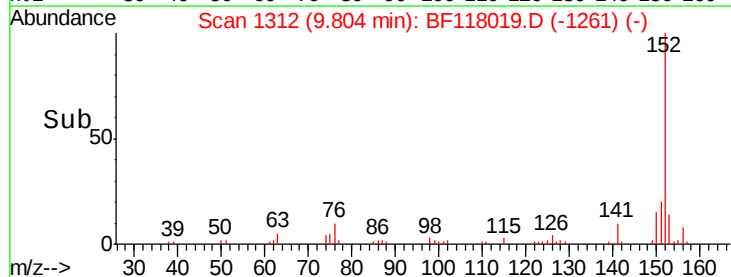
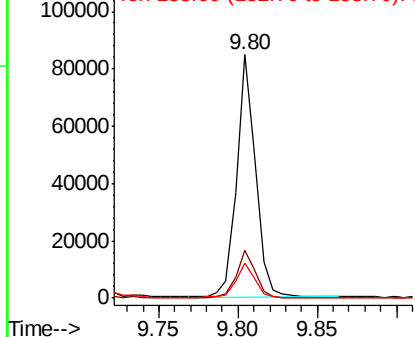


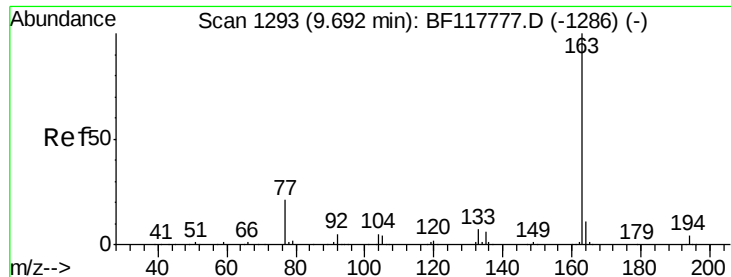
#49
Acenaphthylene
Concen: 3.912 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.0	25.6
153	14.3	11.0	16.6



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

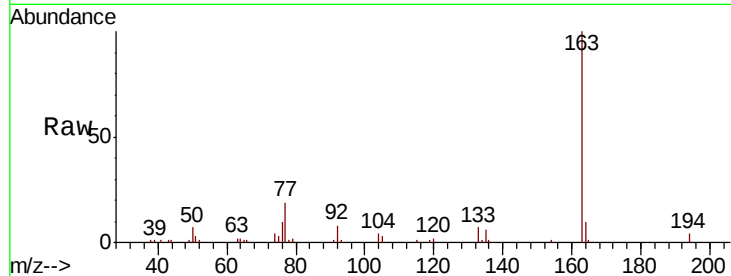




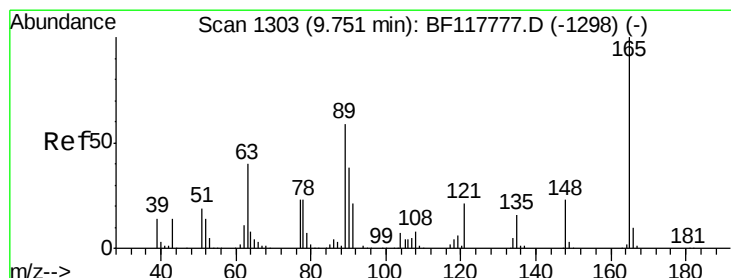
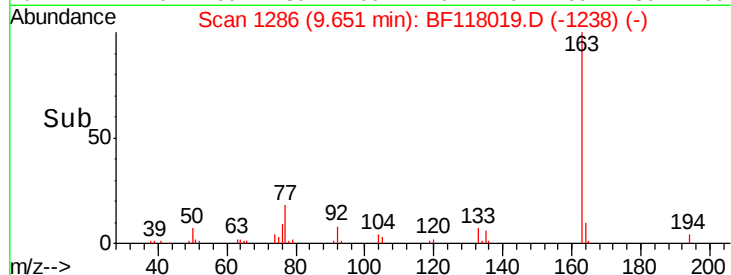
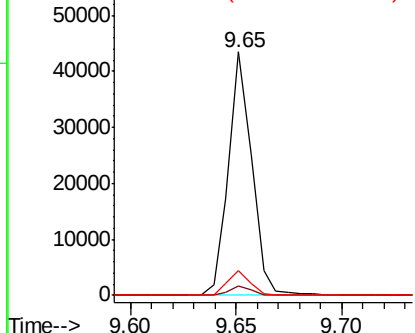
#50
Dimethylphthalate
Concen: 2.332 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 33256
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.0 8.7 13.1

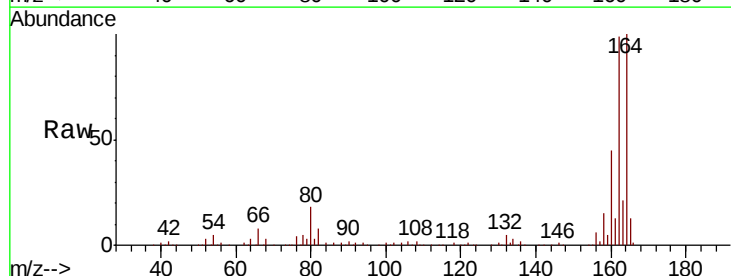


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

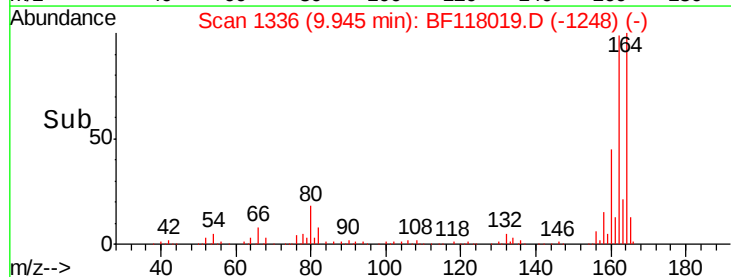
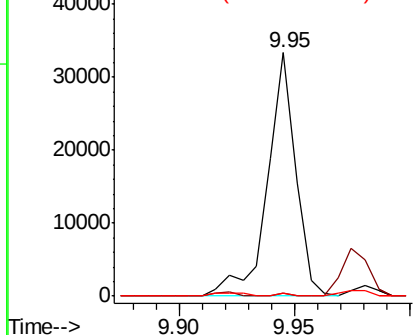


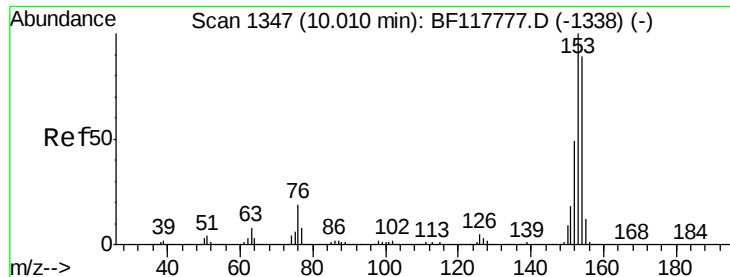
#51
2,6-Dinitrotoluene
Concen: 9.051 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.22 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion:165 Resp: 28214
Ion Ratio Lower Upper
165 100
63 1.4 46.0 69.0#
89 1.2 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: 6.474 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

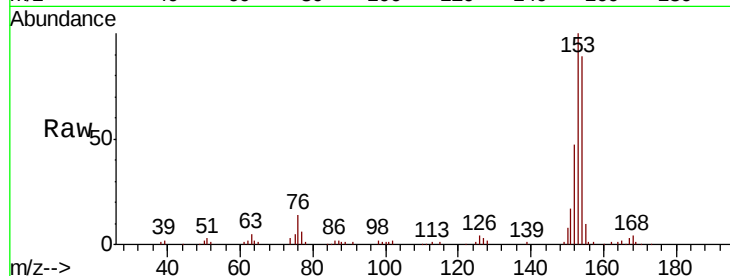
Tot Ion:154 Resp: 75056

Ion Ratio Lower Upper

154 100

153 112.6 90.1 135.1

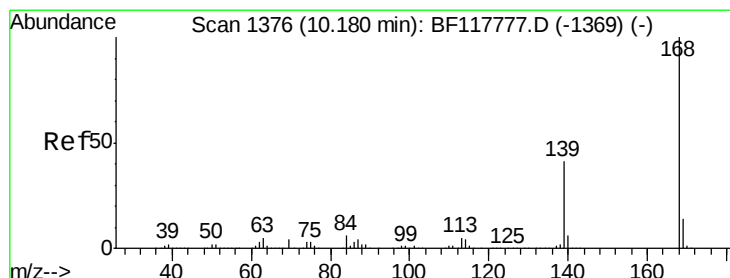
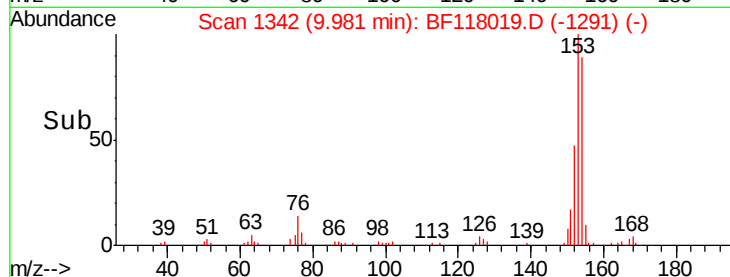
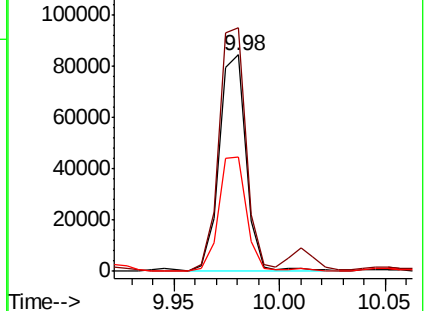
152 52.7 44.0 66.0



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: 5.664 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

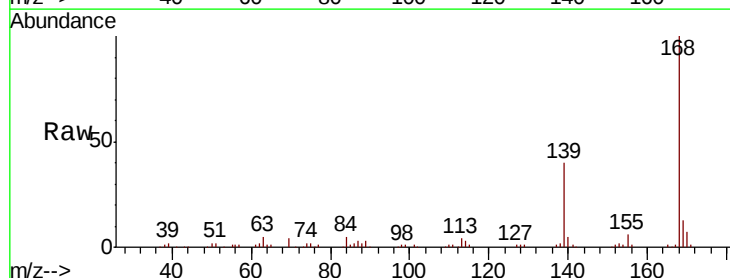
Tgt Ion:168 Resp: 90935

Ion Ratio Lower Upper

168 100

139 39.6 33.0 49.6

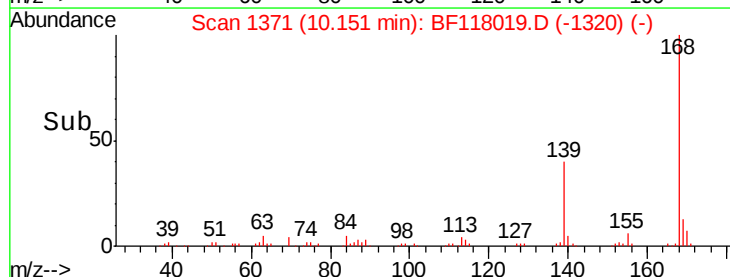
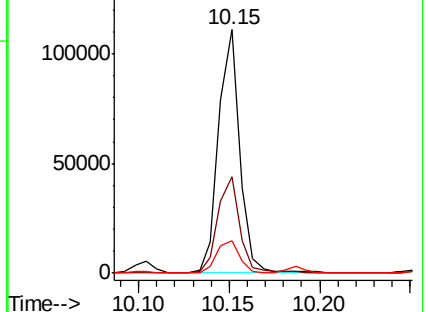
169 13.2 11.5 17.3

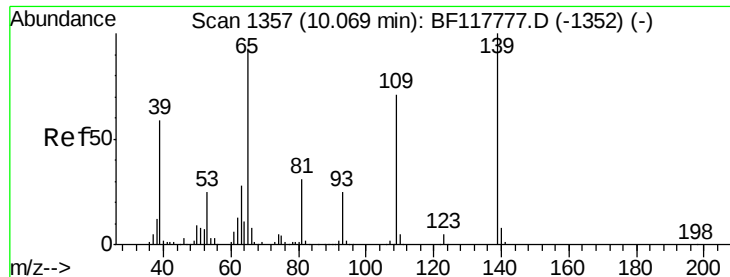


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

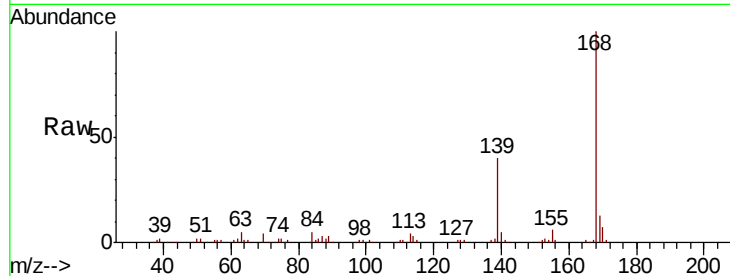




#56
4-Nitrophenol
Concen: 13.483 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.10 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.8	50.8	90.8#
65	1.3	73.6	113.6#

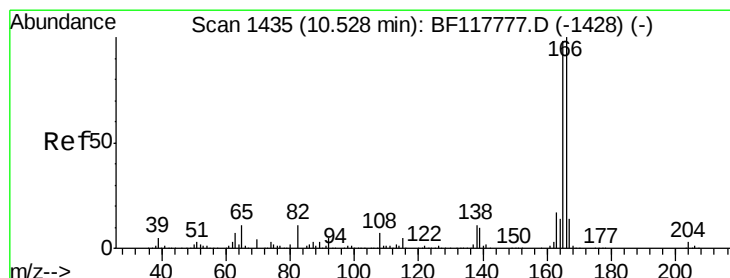
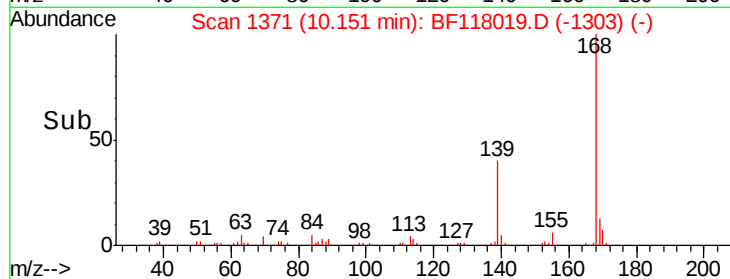
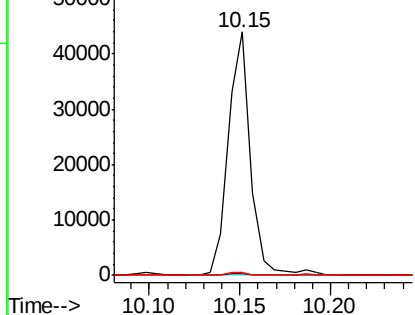


Abundance

Ion 139.00 (138.70 to 139.70): E

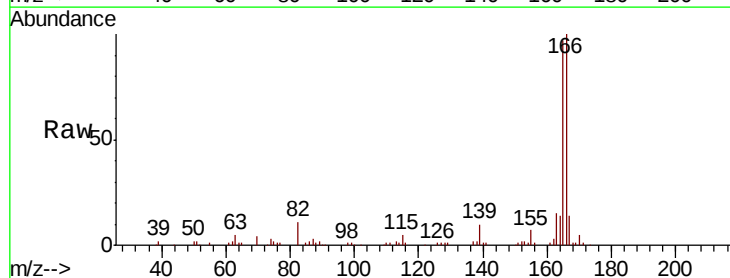
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58
Fluorene
Concen: 6.504 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	14.1	11.0	16.4

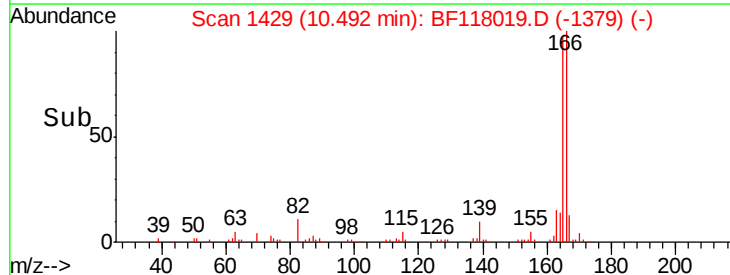
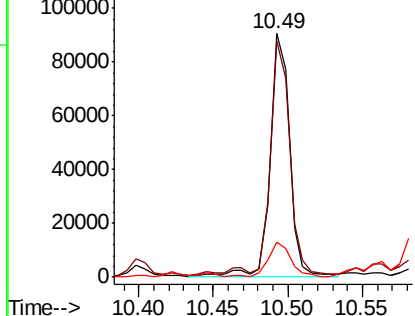


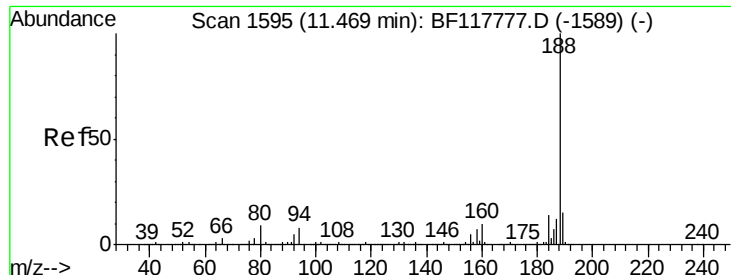
Abundance

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

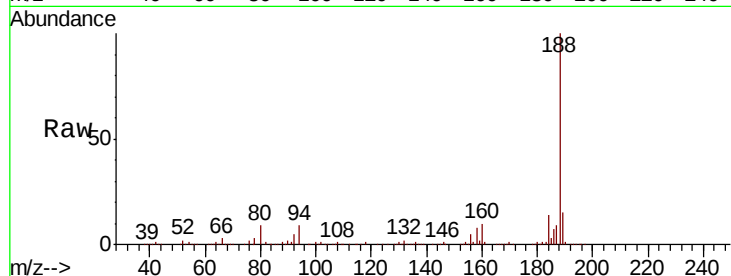




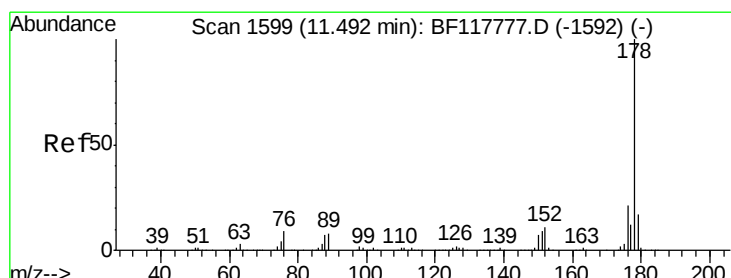
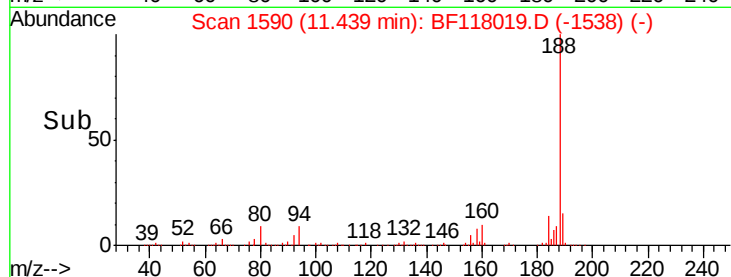
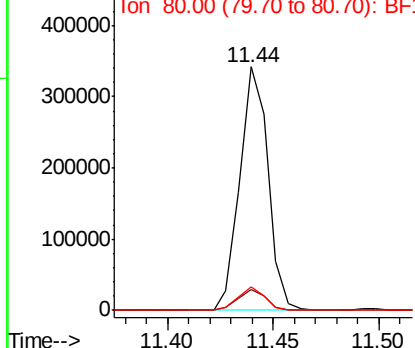
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 315424
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.4 7.2 10.8

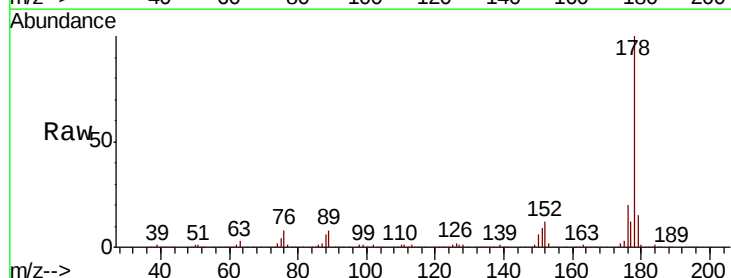


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

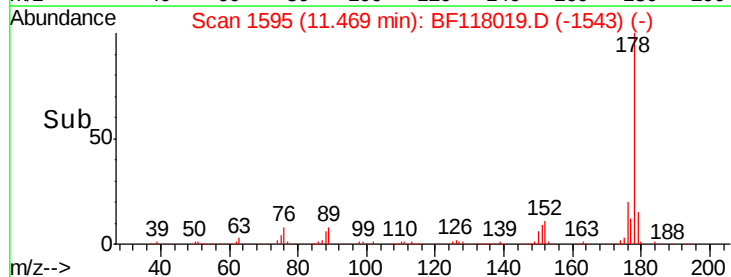
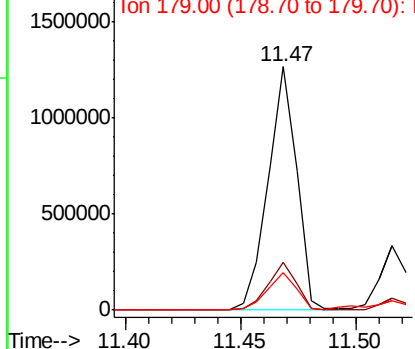


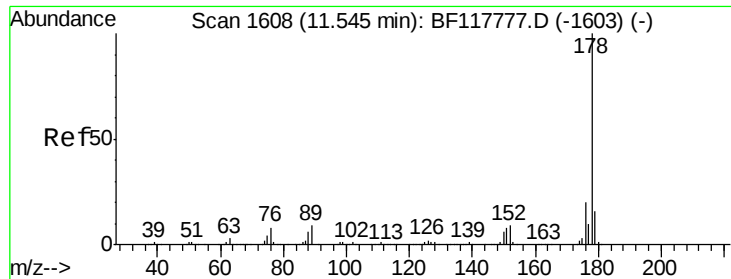
#71
Phenanthrene
Concen: 68.905 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion:178 Resp: 1092724
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 15.3 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

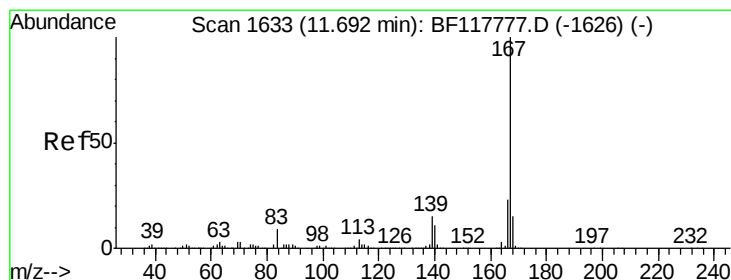
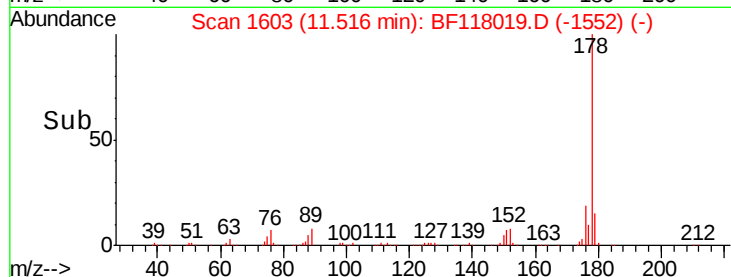
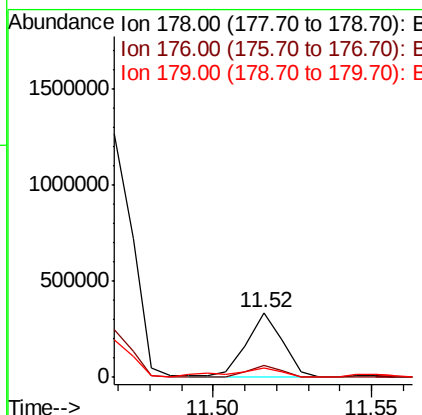
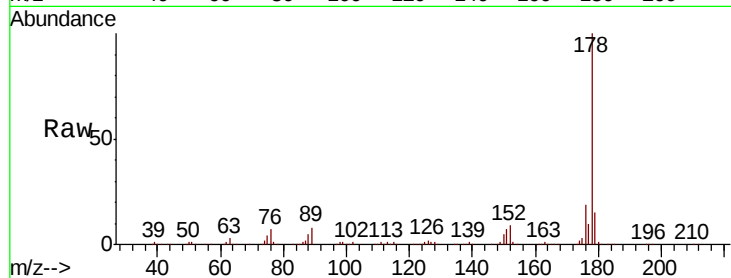




#72
 Anthracene
 Concen: 16.617 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

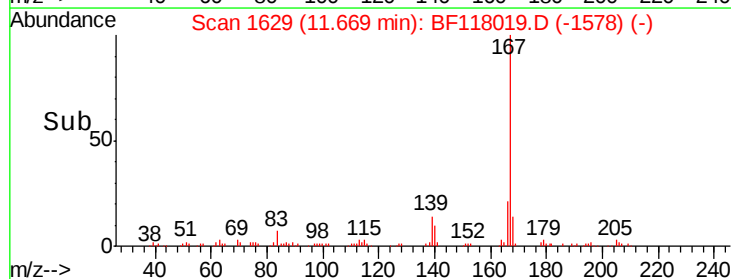
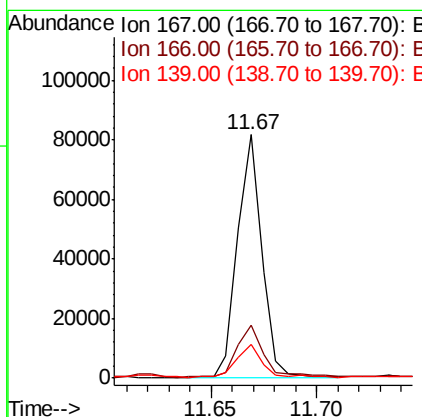
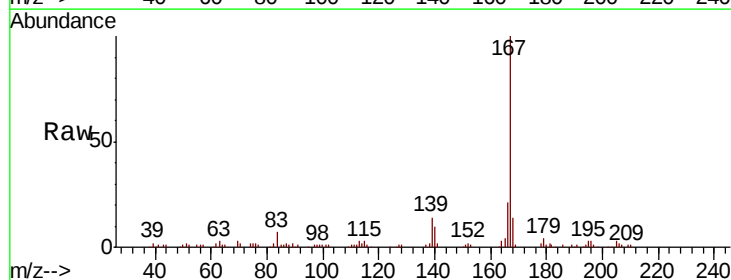
Instrument :
 BNA_F
 ClientSampleId :

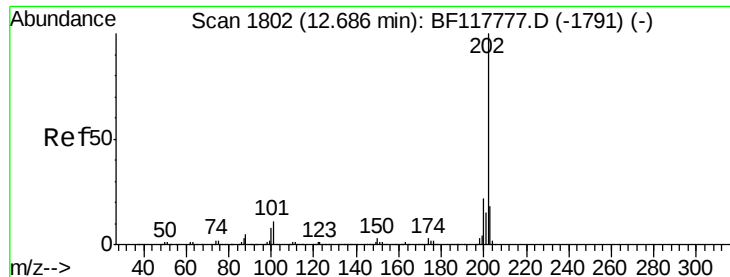
Tot Ion:178 Resp: 261279
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.1 24.1
 179 15.3 13.0 19.4



#73
 Carbazole
 Concen: 4.775 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

Tgt Ion:167 Resp: 65613
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 14.0 11.7 17.5





#75

Fluoranthene

Concen: 97.108 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.02 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

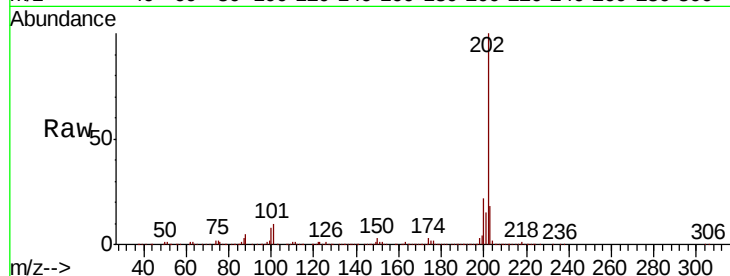
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1276526

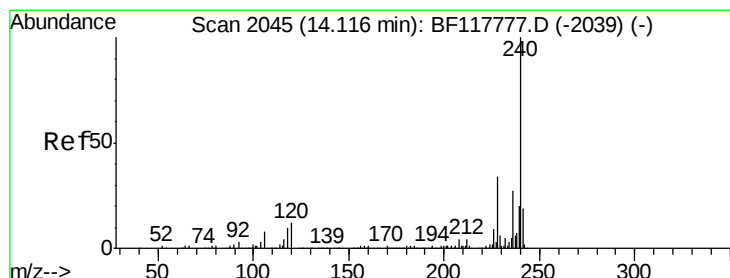
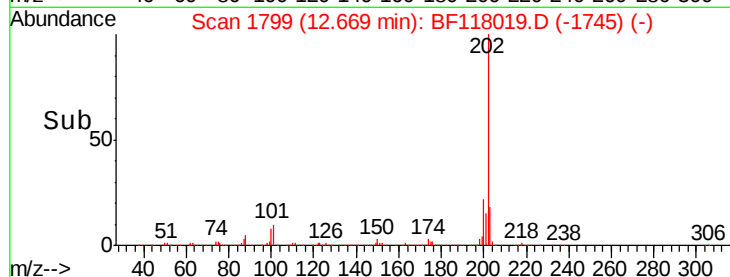
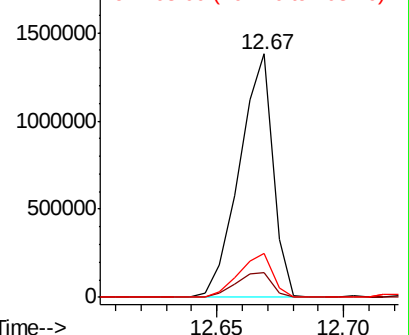
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	18.1	0.0	38.2



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: 14.10 min Scan# 2042

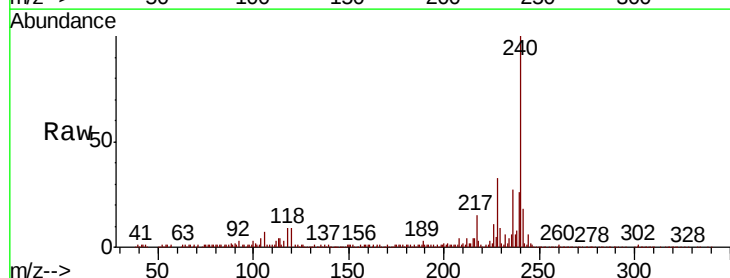
Delta R.T. 0.01 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Tgt Ion:240 Resp: 205763

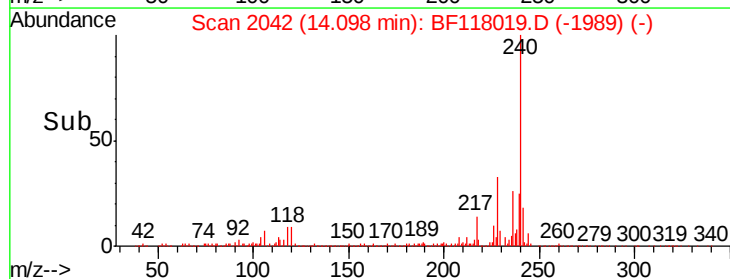
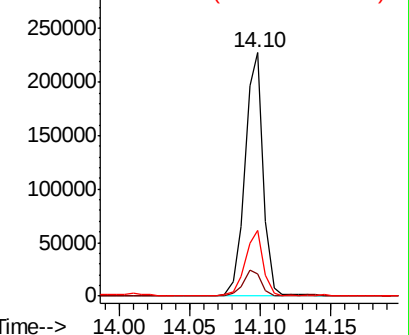
Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	26.8	21.3	31.9

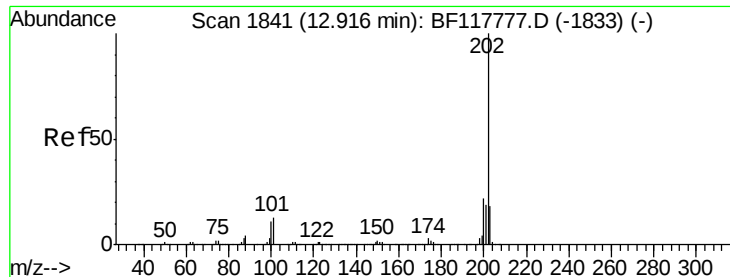


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 73.592 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

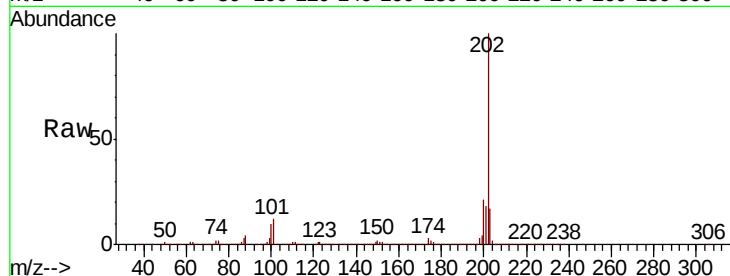
Tot Ion:202 Resp: 1223746

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.8

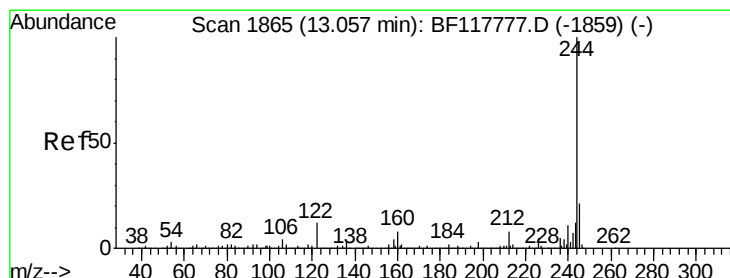
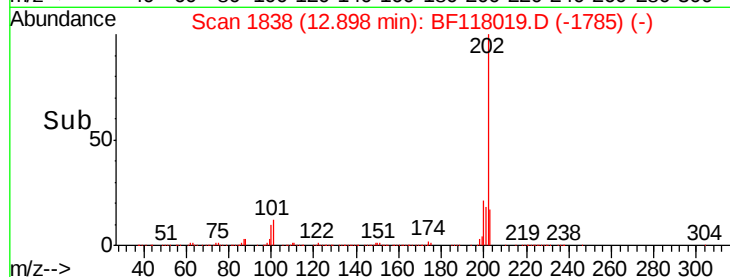
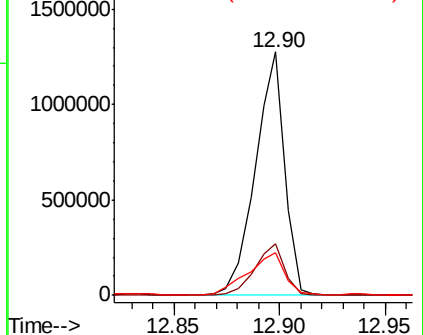
203 17.4 14.6 22.0



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: 13.886 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

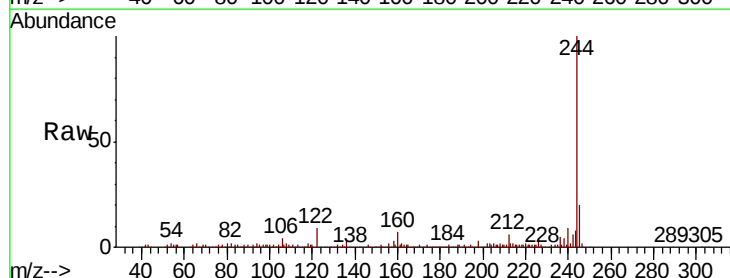
Tgt Ion:244 Resp: 156339

Ion Ratio Lower Upper

244 100

212 6.5 6.3 9.5

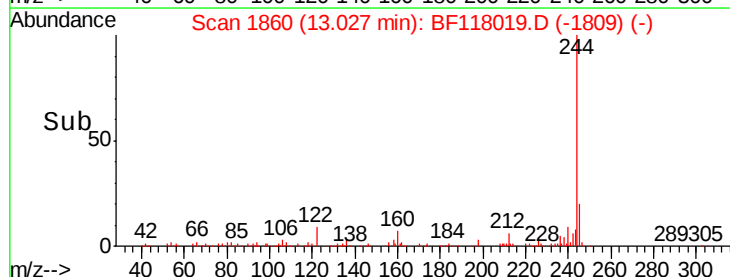
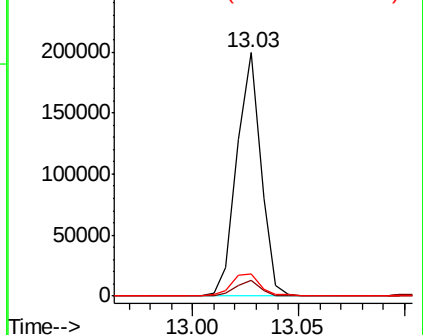
122 9.3 9.4 14.2#

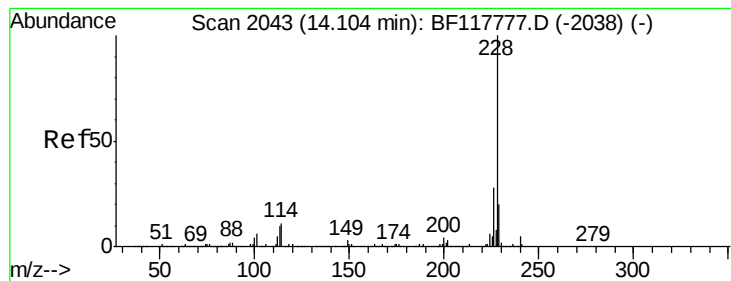


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 42.781 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

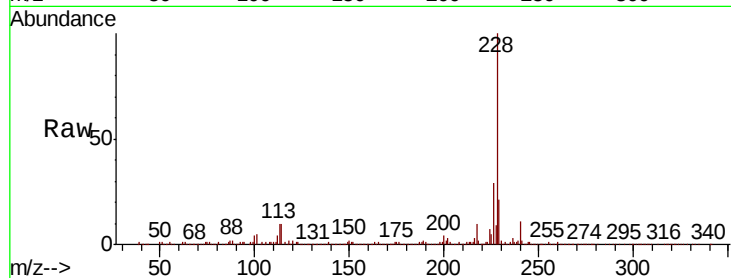
Tot Ion:228 Resp: 581696

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.2

229 20.6 15.9 23.9

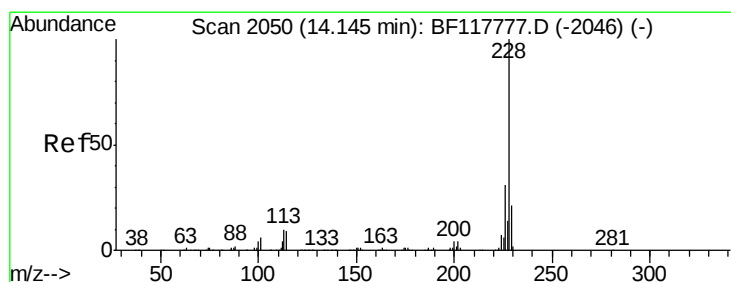
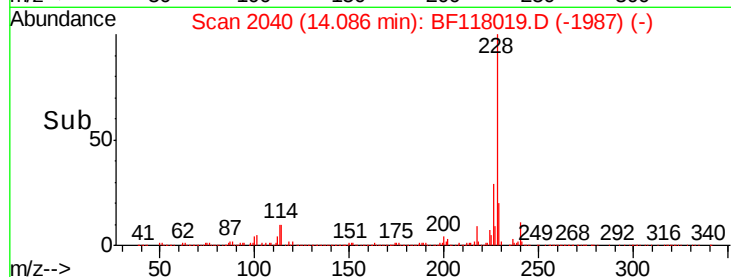
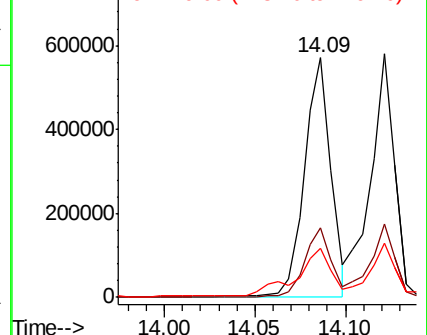


Abundance

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: 37.874 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

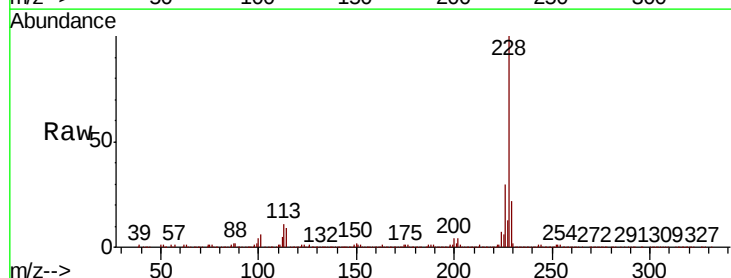
Tgt Ion:228 Resp: 499011

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

229 22.0 16.6 25.0

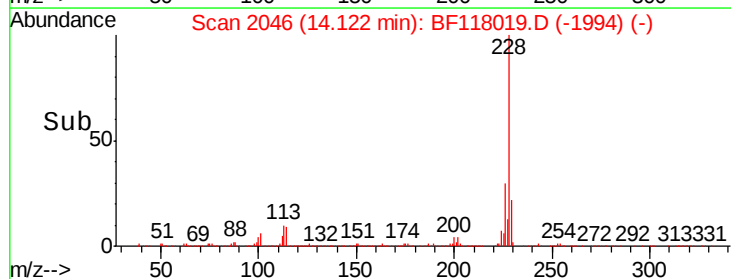
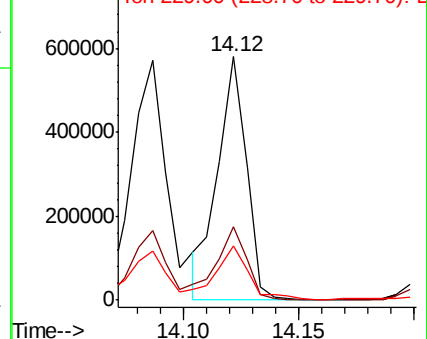


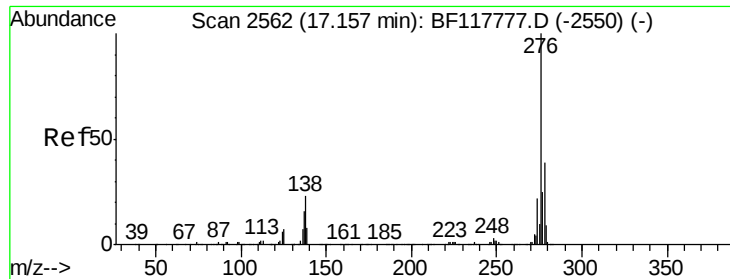
Abundance

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

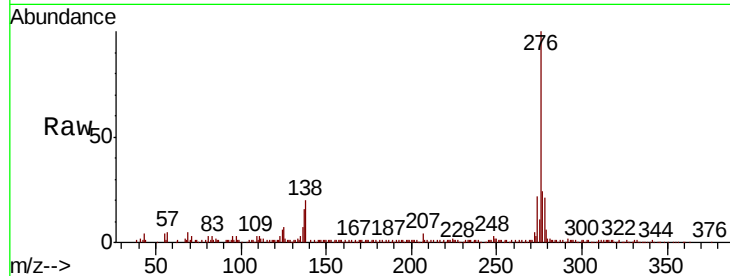




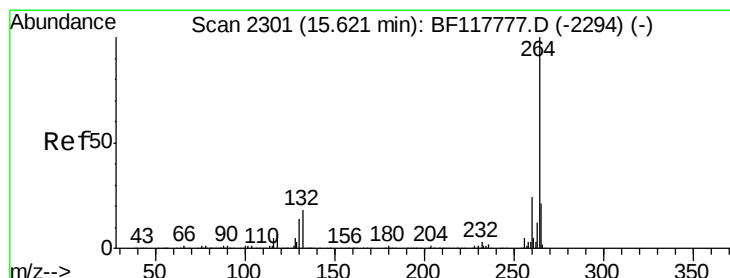
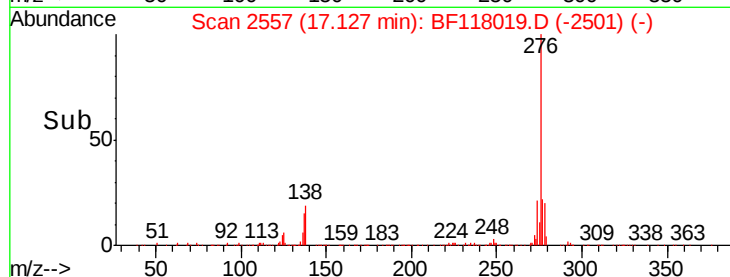
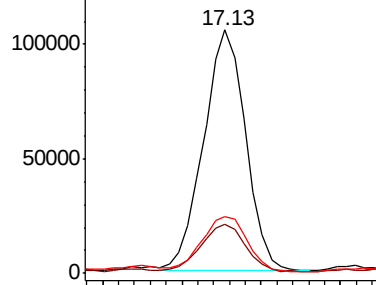
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 17.261 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. 0.03 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.9	31.3#
277	24.8	20.3	30.5

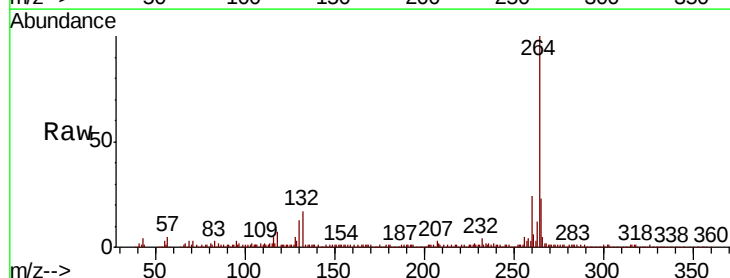


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

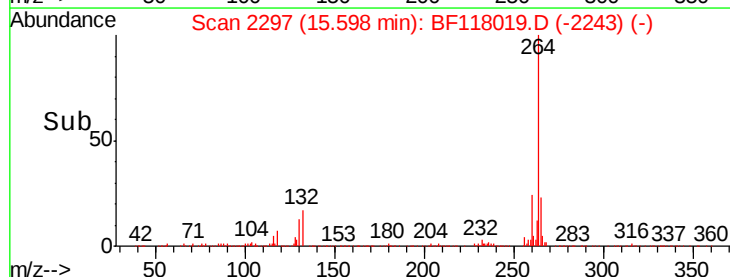
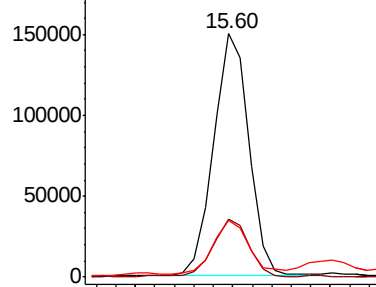


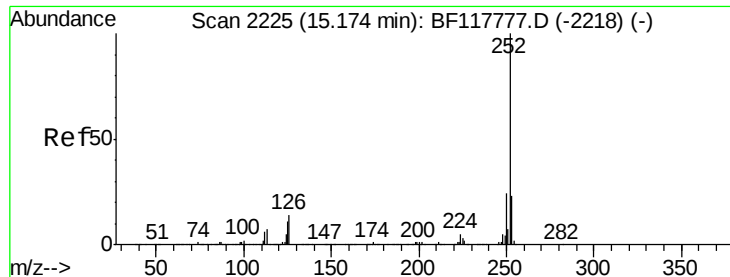
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2297
 Delta R.T. 0.02 min
 Lab File: BF118019.D
 Acq: 26 Nov 2019 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.0	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

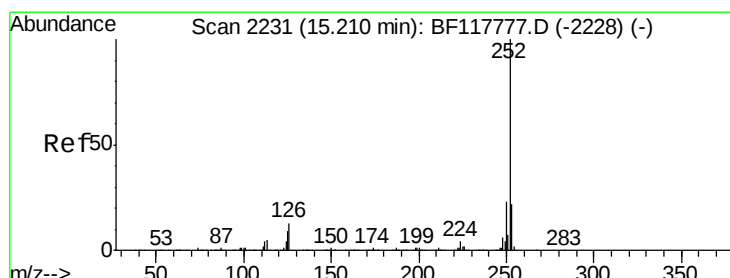
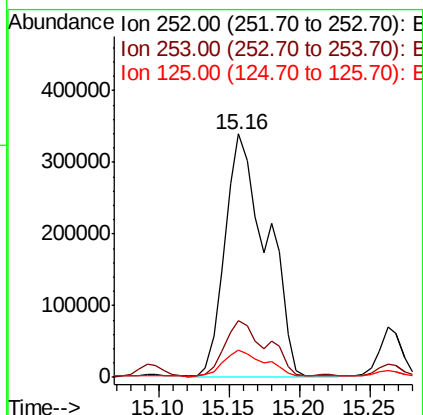
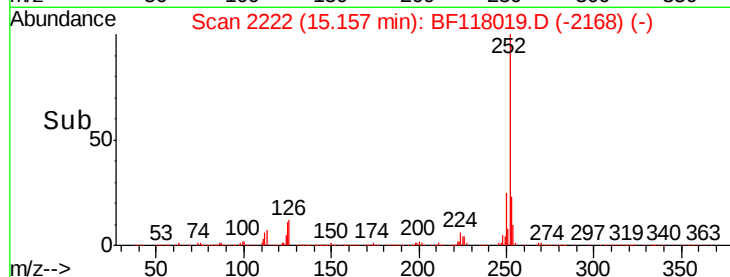
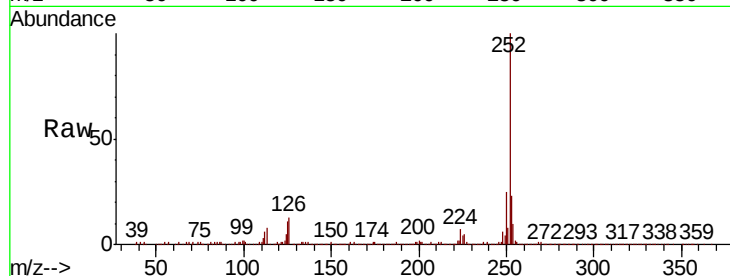




#88
Benzo(b)fluoranthene
Concen: 57.383 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.02 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

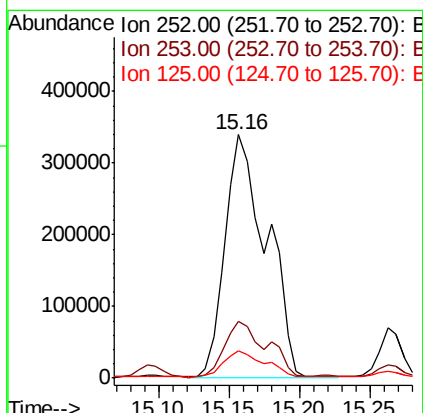
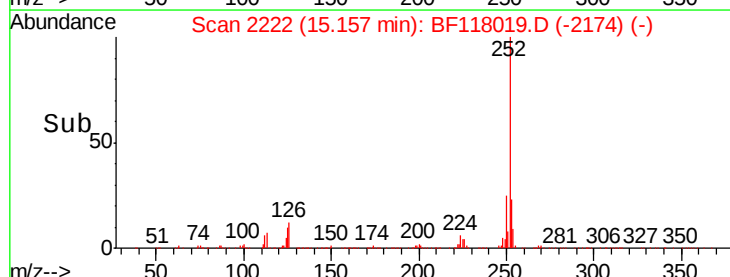
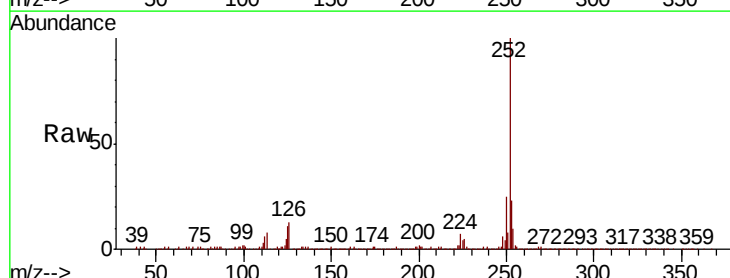
Instrument :
BNA_F
ClientSampleId :

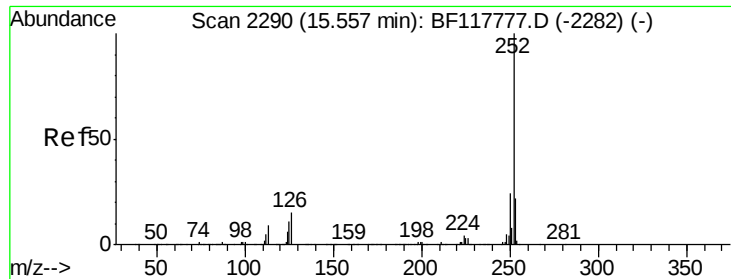
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.0	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 60.901 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF118019.D
Acq: 26 Nov 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.0	7.9	11.9





#90

Benzo(a)pyrene

Concen: 35.048 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

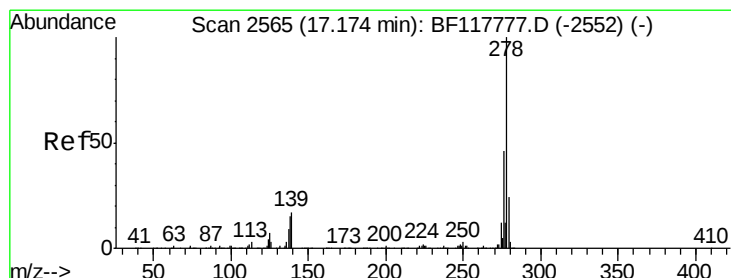
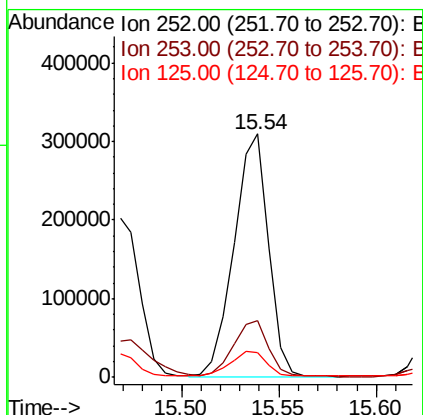
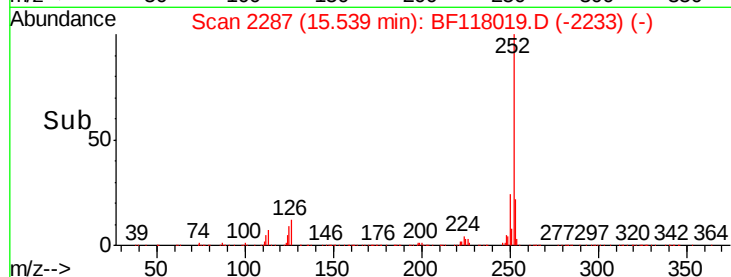
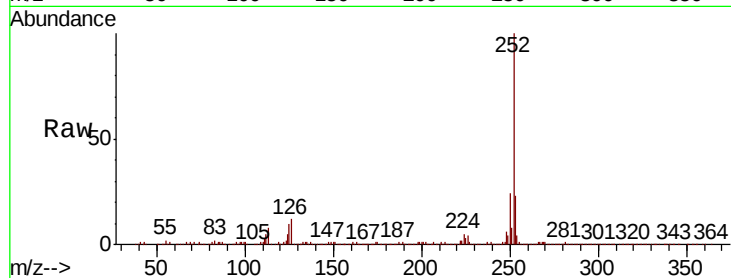
Tot Ion:252 Resp: 375278

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 10.1 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 5.632 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.02 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

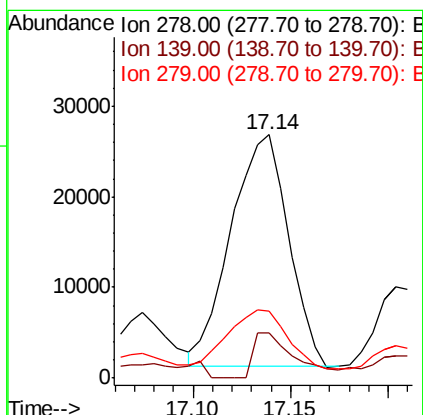
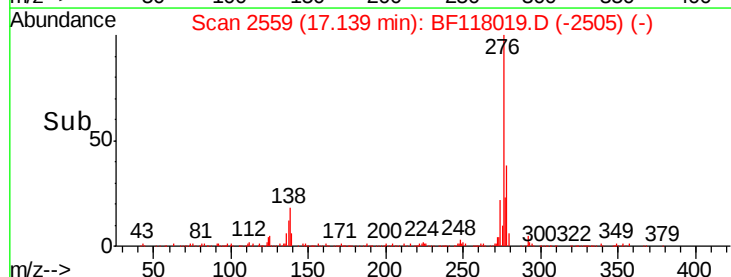
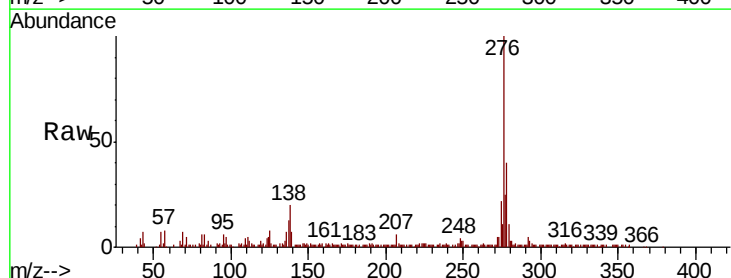
Tgt Ion:278 Resp: 51909

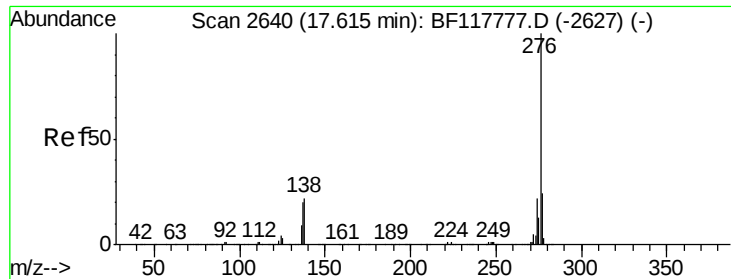
Ion Ratio Lower Upper

278 100

139 18.5 13.8 20.8

279 27.5 19.6 29.4





#92

Benzo(a,h,i)perylene

Concen: 19.412 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.04 min

Lab File: BF118019.D

Acq: 26 Nov 2019 20:48

Instrument :

BNA_F

ClientSampleId :

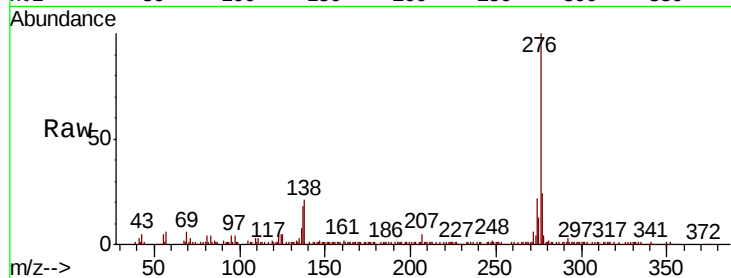
Tot Ion:276 Resp: 178195

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 21.0 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

