

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118851.D
 Acq On : 7 Feb 2020 15:32
 Operator : CG/JU
 Sample : L1439-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:36:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	232478	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	874072	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	495041	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	866452	20.00	ng	0.00
76) Chrysene-d12	13.97	240	636266	20.00	ng	-0.01
87) Perylene-d12	15.42	264	738940	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1058145	86.16	ng	0.00
7) Phenol-d6	6.45	99	1281667	84.07	ng	0.00
23) Nitrobenzene-d5	7.37	82	840666	57.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	472199	79.72	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1701780	61.45	ng	-0.01
79) Terphenyl-d14	12.92	244	1755561	56.67	ng	-0.01

Target Compounds

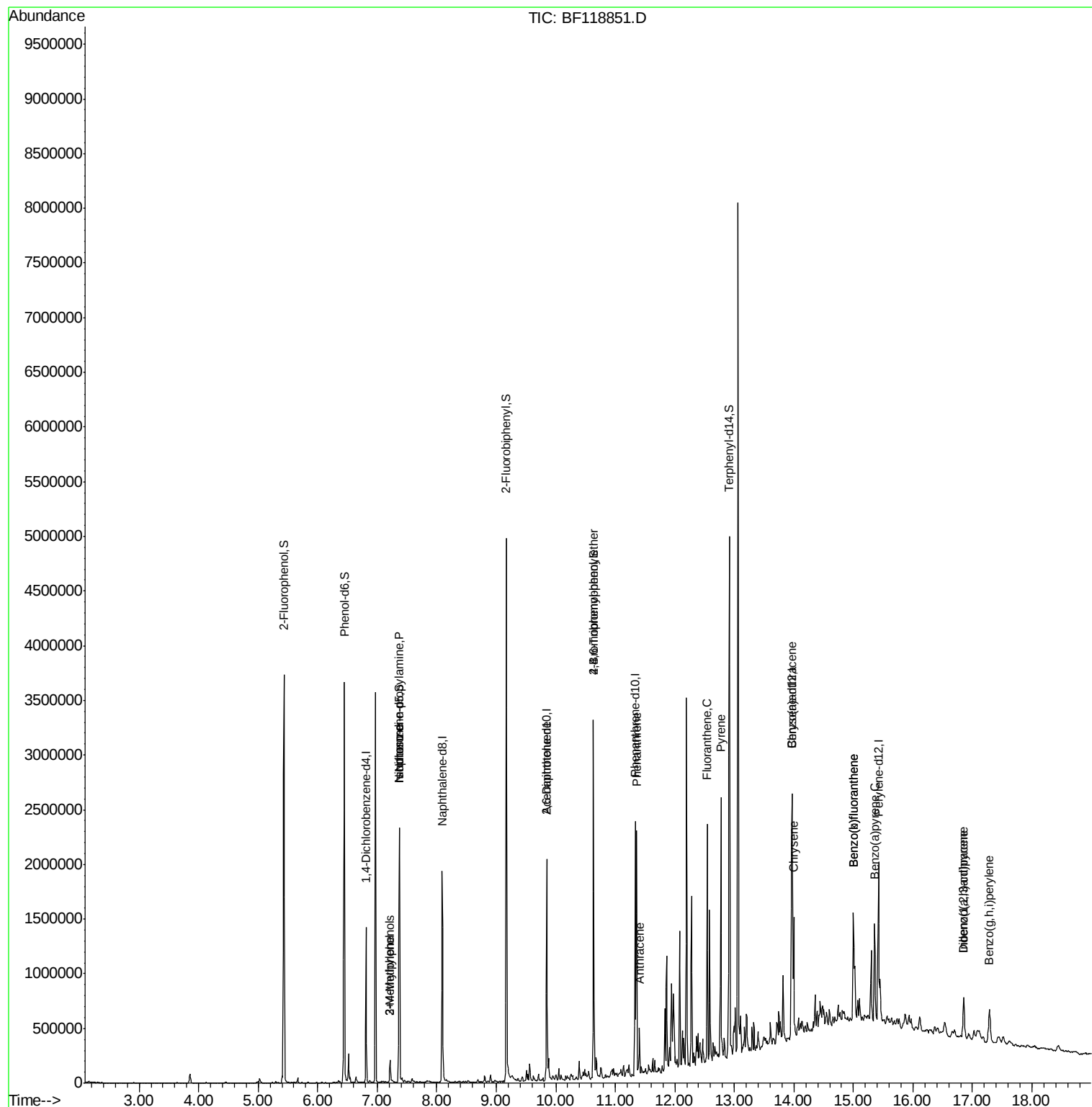
						Qvalue
9) Benzaldehyde	6.36	77	1992	Below Cal	#	82
17) 2-Methylphenol	7.22	107	62518	5.497 ng	#	72
19) n-Nitroso-di-n-propylamine	7.37	70	112492	12.060 ng	#	78
20) 3+4-Methylphenols	7.22	107	62518	4.386 ng	#	65
25) Isophorone	7.37	82	840652	31.897 ng	#	63
51) 2,6-Dinitrotoluene	9.85	165	65953	8.551 ng	#	31
67) 4-Bromophenyl-phenylether	10.63	248	30738	2.999 ng	#	1
71) Phenanthrene	11.36	178	795606	18.663 ng		97
72) Anthracene	11.40	178	154343	3.639 ng		95
75) Fluoranthene	12.54	202	799836	17.184 ng		99
78) Pyrene	12.77	202	962798	22.057 ng		98
81) Benzo(a)anthracene	13.96	228	476213	12.578 ng		99
83) Chrysene	14.00	228	478633	12.596 ng		98
86) Indeno(1,2,3-cd)pyrene	16.85	276	271091	7.100 ng		94
88) Benzo(b)fluoranthene	15.00	252	749761	16.352 ng		99
89) Benzo(k)fluoranthene	15.00	252	749761	18.778 ng	#	98
90) Benzo(a)pyrene	15.36	252	441861	11.260 ng		98
91) Dibenzo(a,h)anthracene	16.86	278	72205	2.073 ng	#	81
92) Benzo(a,h,i)perylene	17.29	276	277613	8.287 ng		100

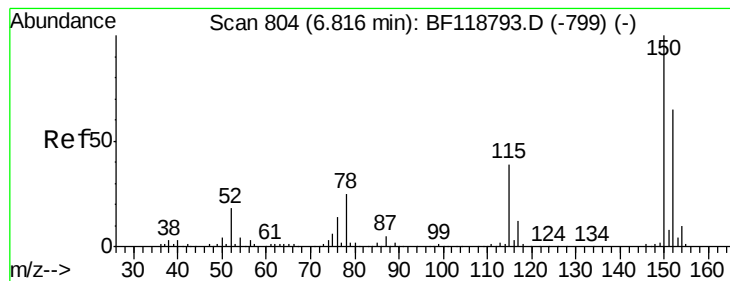
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Feb 08 03:36:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



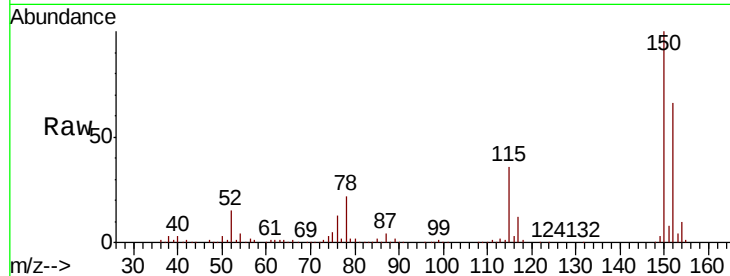


#1

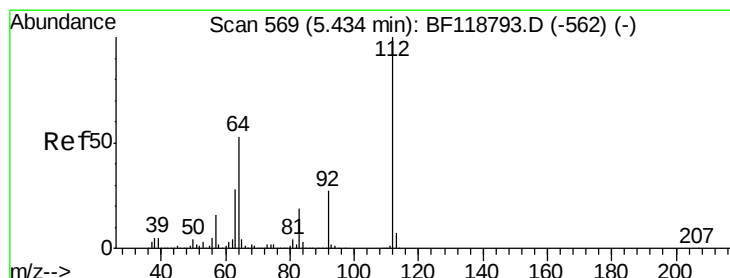
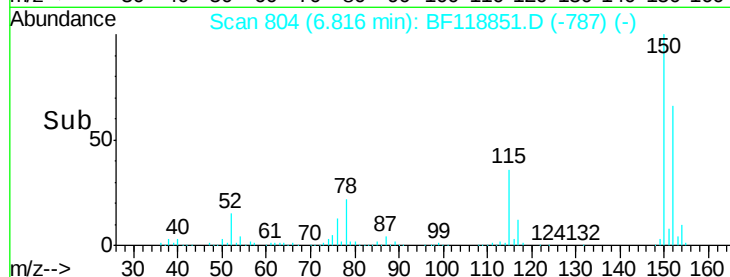
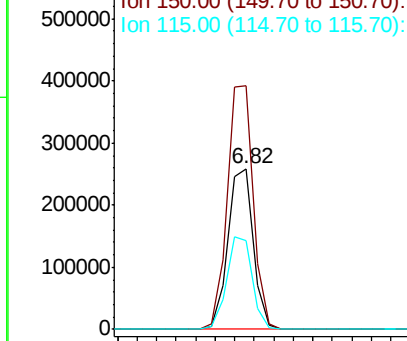
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 232478
Ion Ratio Lower Upper
152 100
150 151.2 123.6 185.4
115 55.0 48.2 72.2



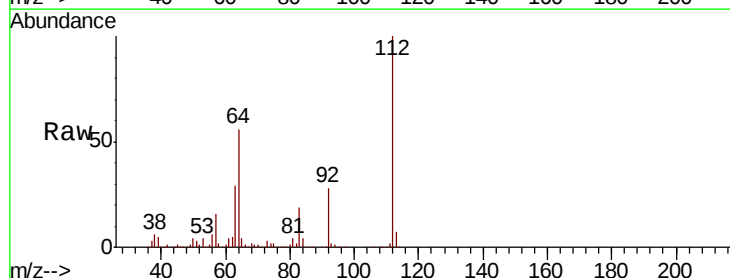
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



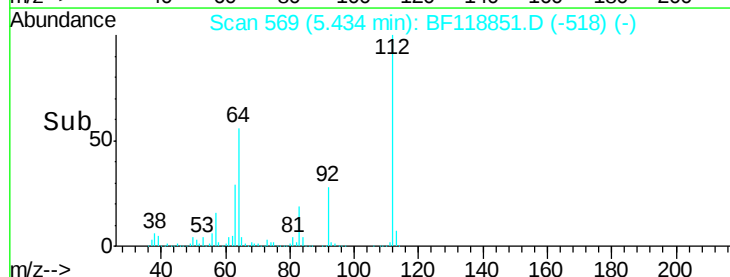
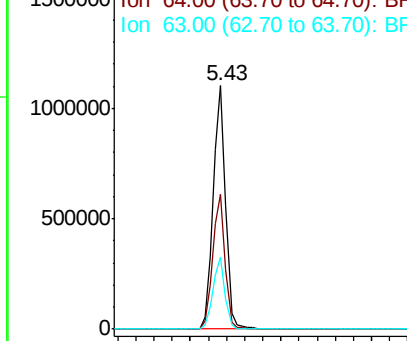
#5

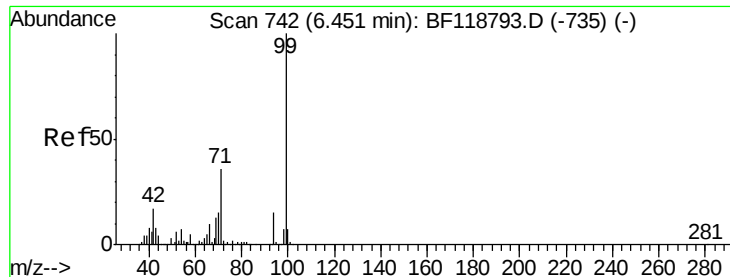
2-Fluorophenol
Concen: 86.158 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Tgt Ion:112 Resp: 1058145
Ion Ratio Lower Upper
112 100
64 55.6 42.6 63.8
63 29.4 22.2 33.4



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: 84.068 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

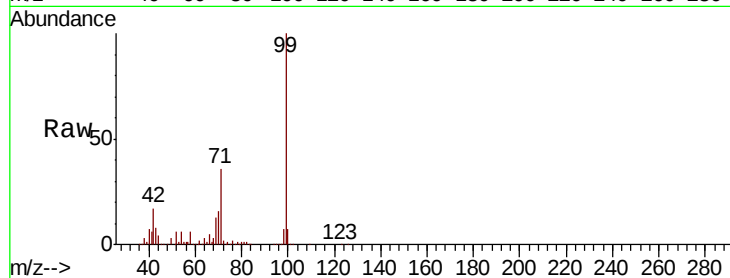
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1281667

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.0
71	36.4	29.0	43.6

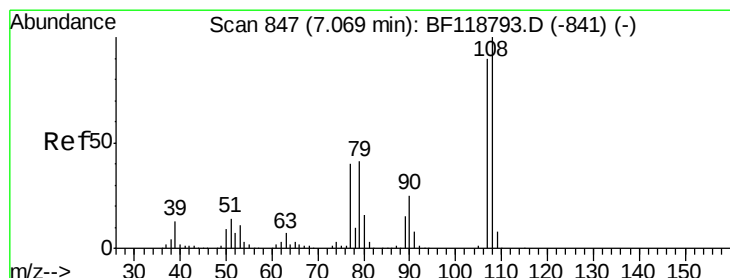
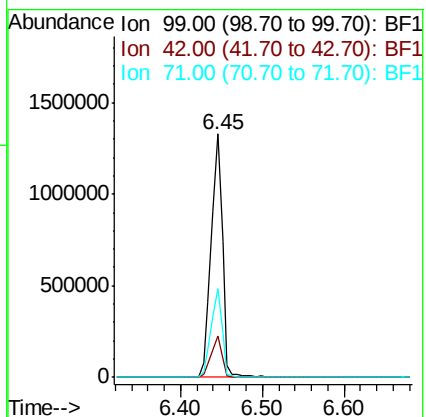
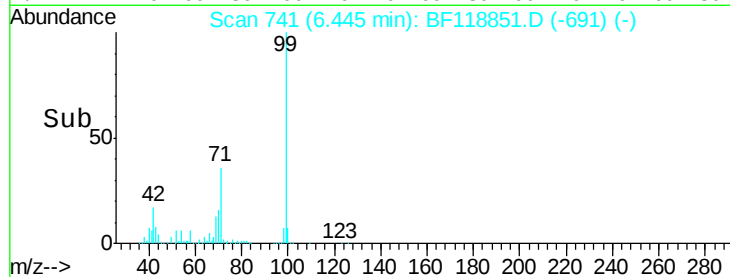


Abundance

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



#17

2-Methylphenol

Concen: 5.497 ng

RT: 7.22 min Scan# 872

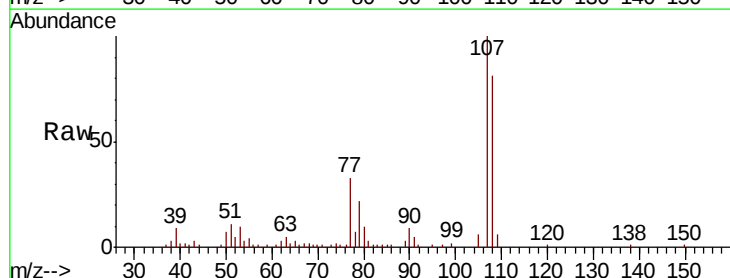
Delta R.T. 0.15 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

Tgt Ion:107 Resp: 62518

Ion	Ratio	Lower	Upper
107	100		
108	81.2	89.3	133.9#
77	33.5	36.2	54.2#
79	21.7	36.3	54.5#



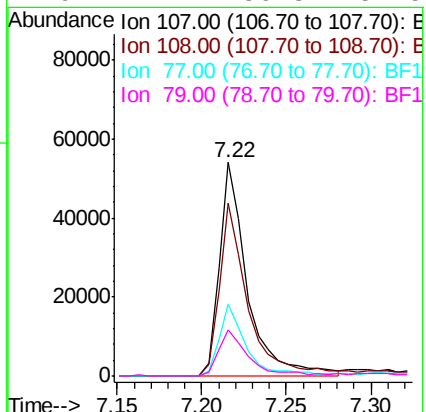
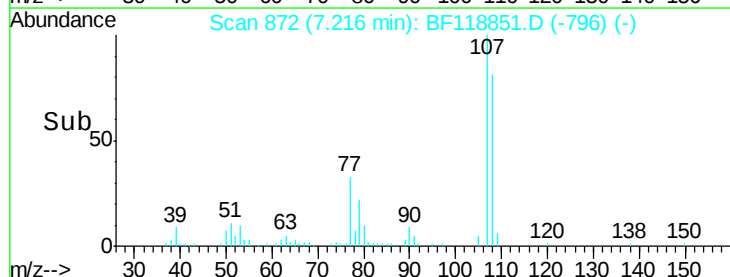
Abundance

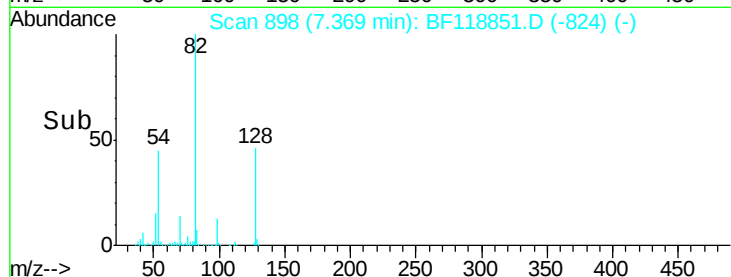
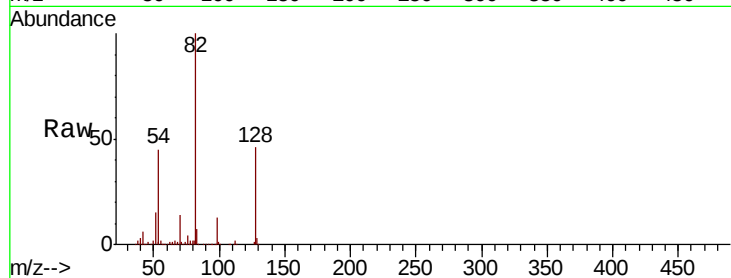
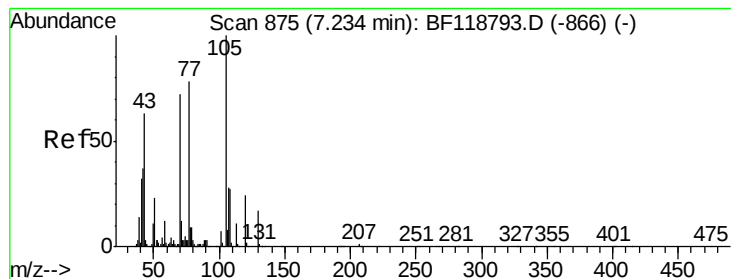
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.060 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

Instrument :

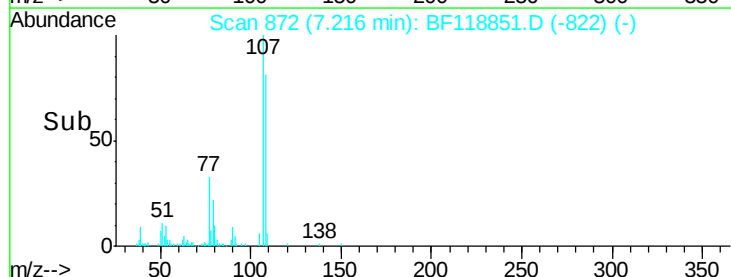
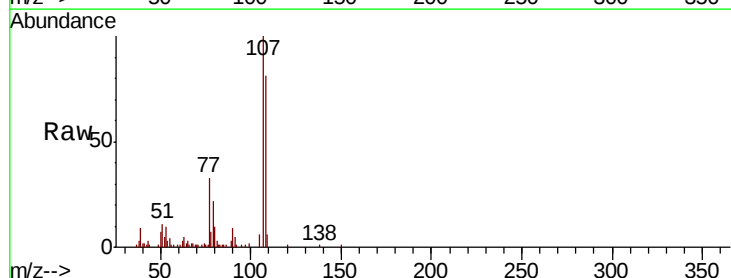
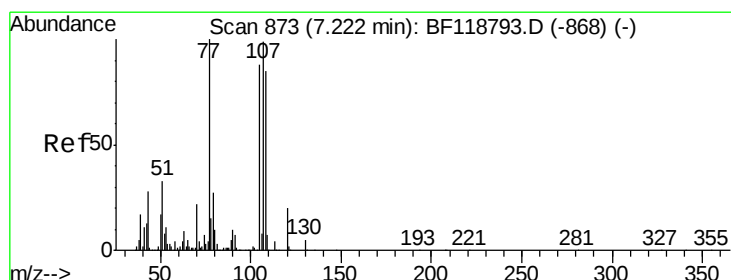
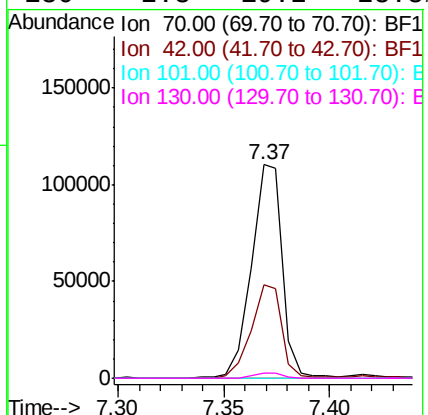
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 112492

Ion Ratio Lower Upper

70	100		
42	43.8	41.5	62.3
101	0.0	8.3	12.5#
130	2.3	19.2	28.8#



#20

3+4-Methylphenols

Concen: 4.386 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

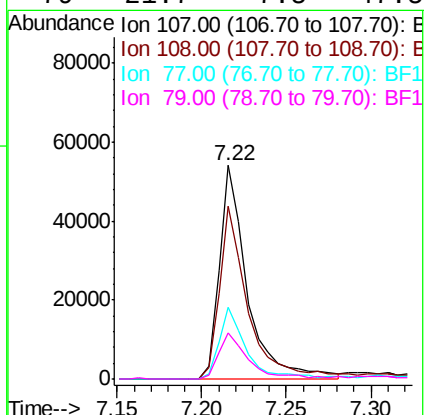
Lab File: BF118851.D

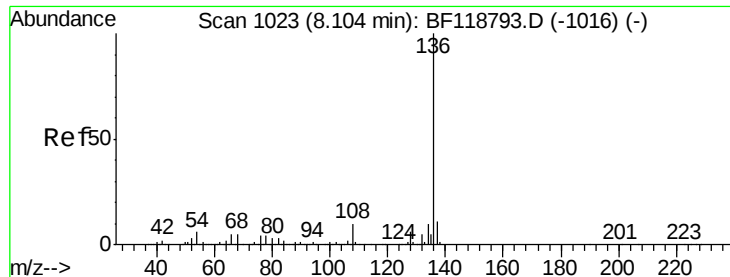
Acq: 7 Feb 2020 15:32

Tgt Ion: 107 Resp: 62518

Ion Ratio Lower Upper

107	100		
108	81.2	65.9	105.9
77	33.5	80.9	120.9#
79	21.7	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 874072

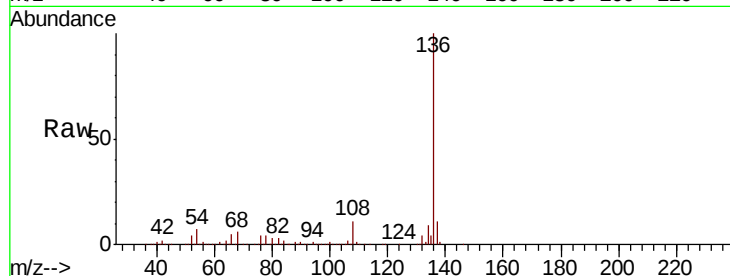
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.6 5.0 7.6

68 5.9 4.2 6.4

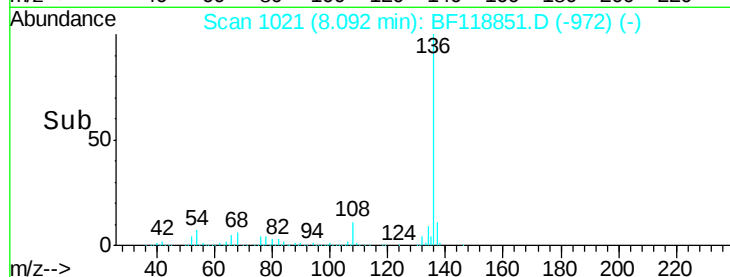


Abundance Ion 136.00 (135.70 to 136.70): E

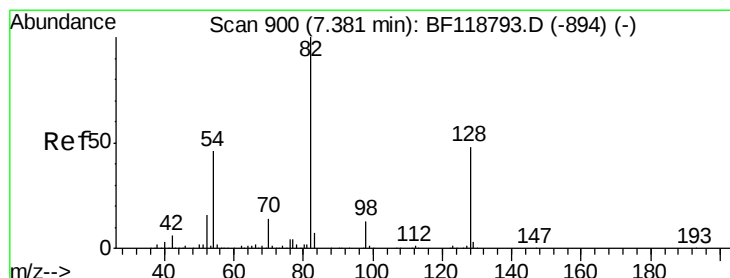
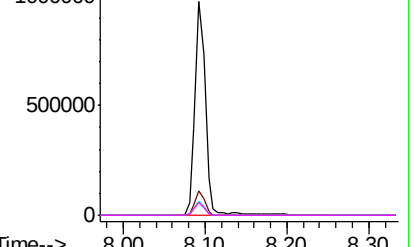
1500000 Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 57.327 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

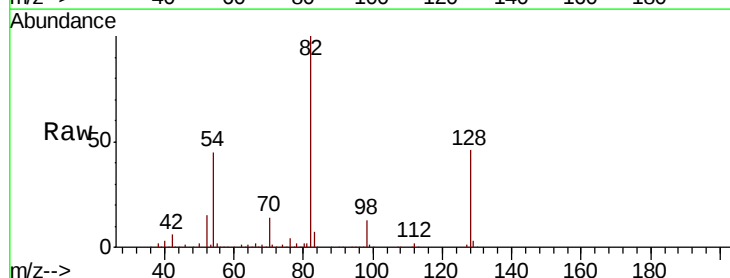
Tgt Ion: 82 Resp: 840666

Ion Ratio Lower Upper

82 100

128 46.4 38.5 57.7

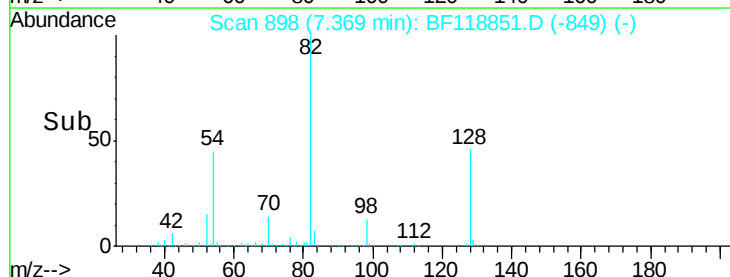
54 44.8 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

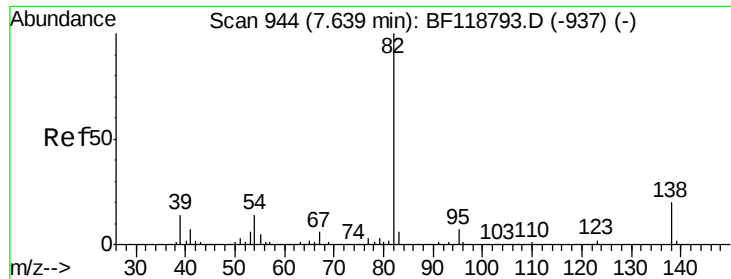
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

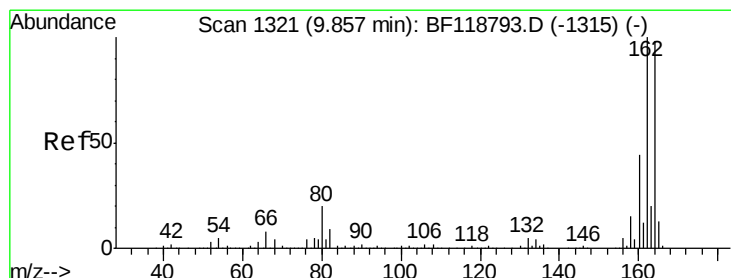
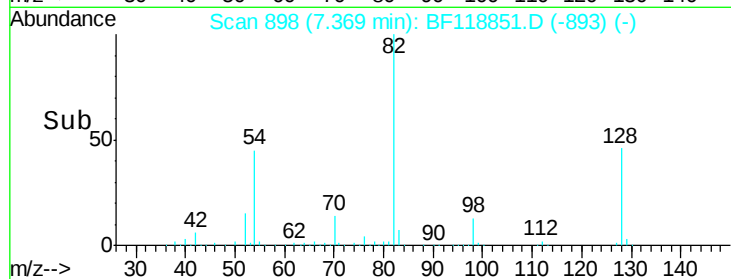
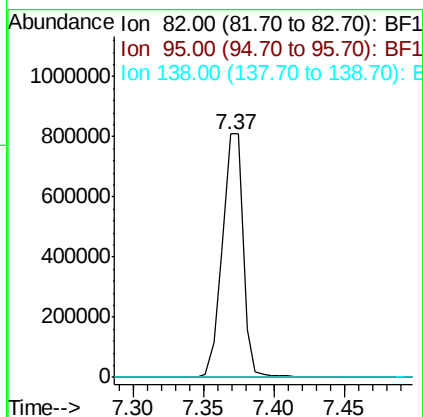
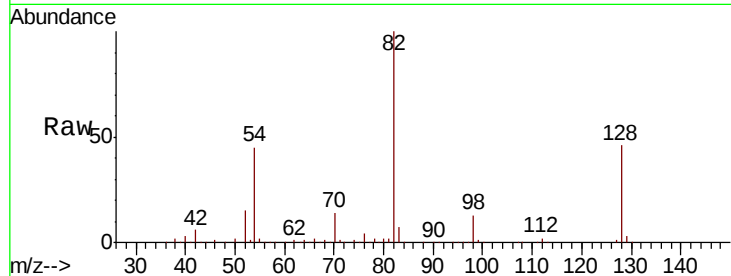




#25
Isophorone
Concen: 31.897 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

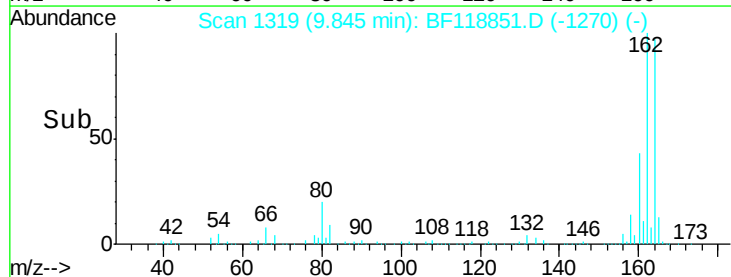
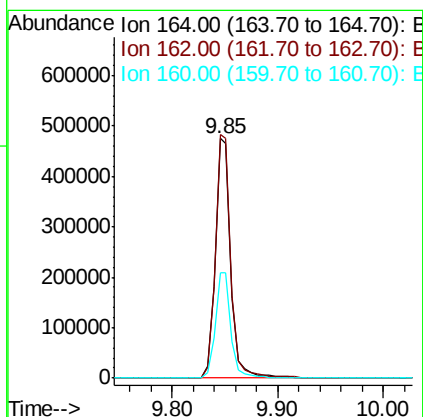
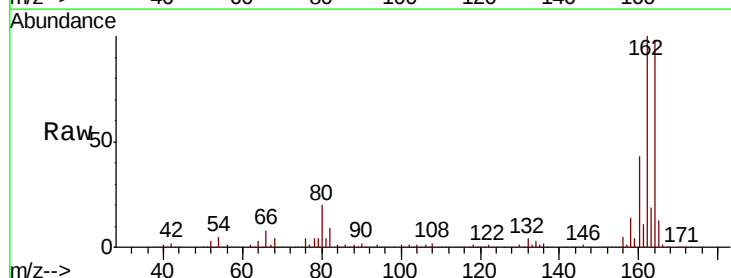
Instrument :
BNA_F
ClientSampled :

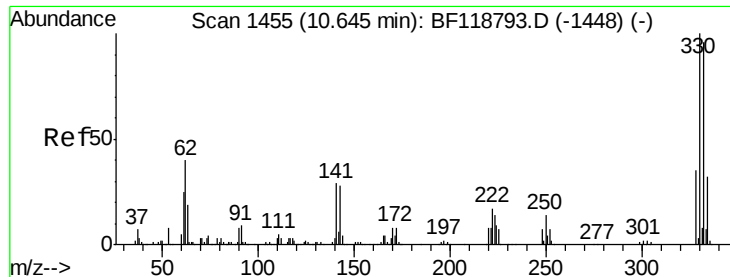
Tot Ion: 82 Resp: 840652
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Tgt Ion: 164 Resp: 495041
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.2
160 44.1 35.6 53.4

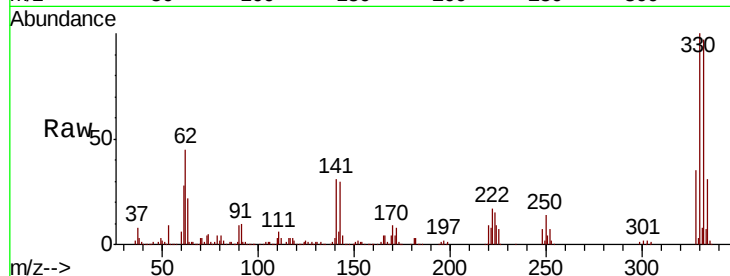




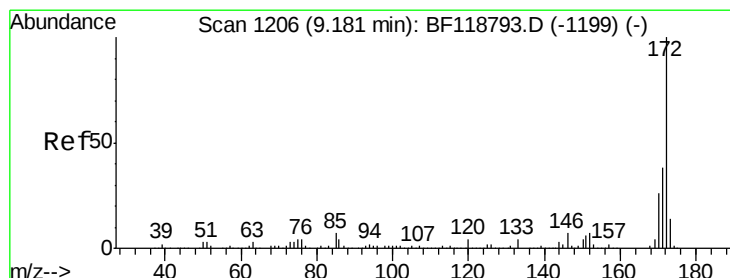
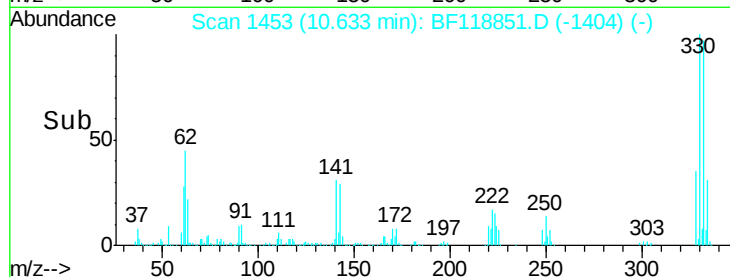
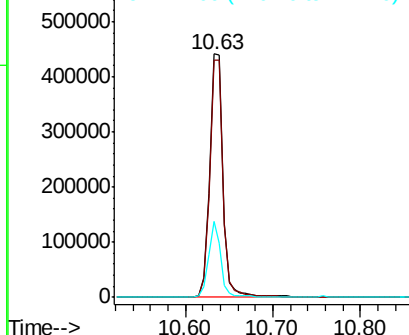
#42
 2,4,6-Tribromophenol
 Concen: 79.719 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	28.0	22.4	33.6

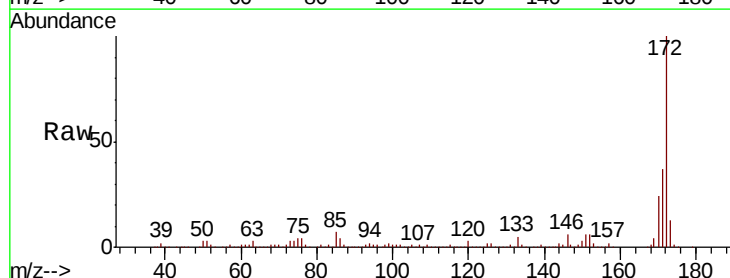


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

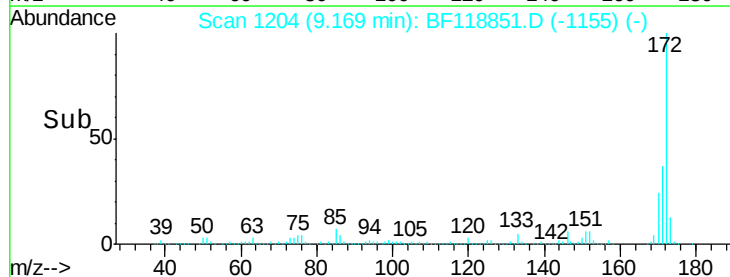
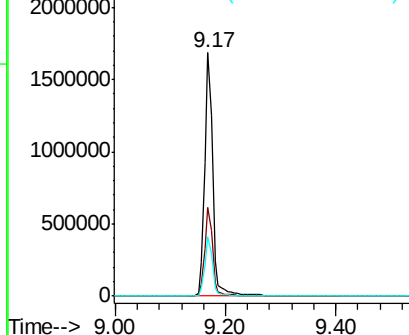


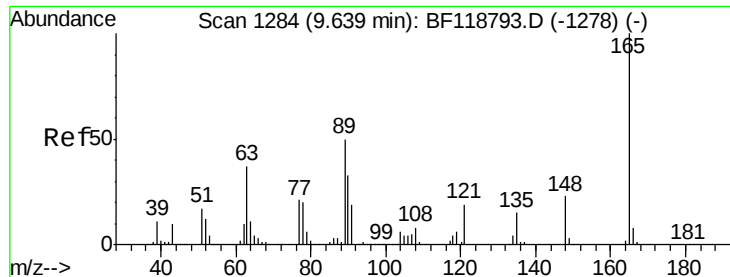
#45
 2-Fluorobiphenyl
 Concen: 61.455 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.8	46.2
170	24.4	20.5	30.7



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

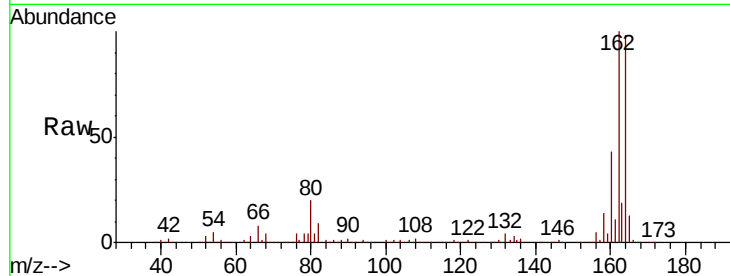




#51
 2,6-Dinitrotoluene
 Concen: 8.551 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :

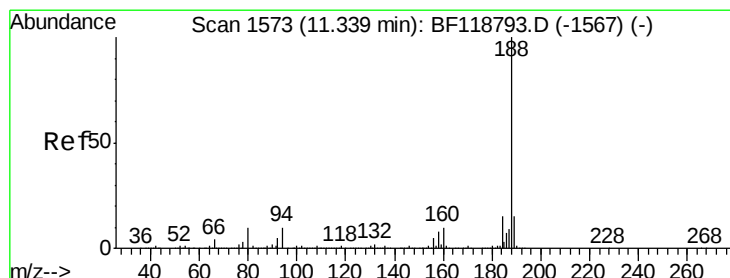
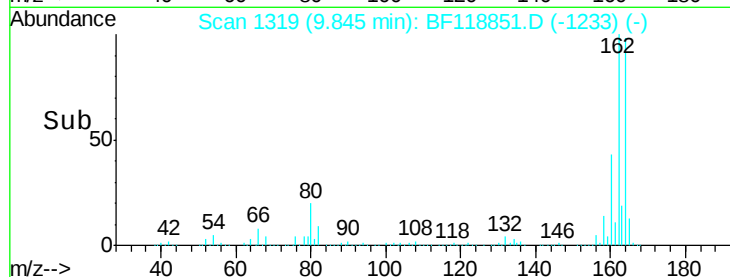
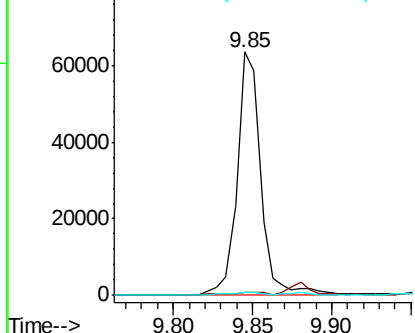
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	37.4	56.0#
89	1.3	39.7	59.5#



Abundance Ion 165.00 (164.70 to 165.70): E

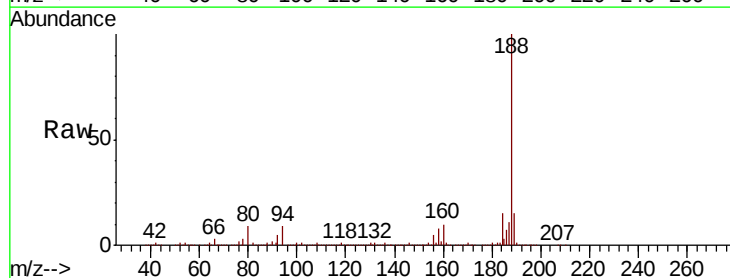
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

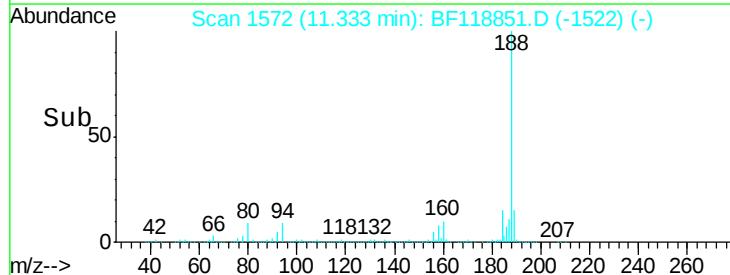
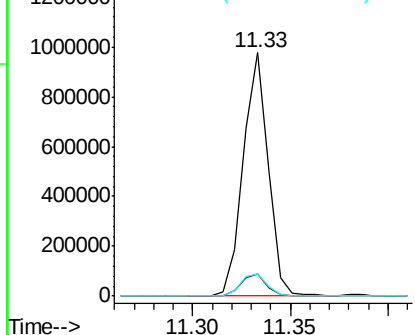
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	9.3	8.4	12.6

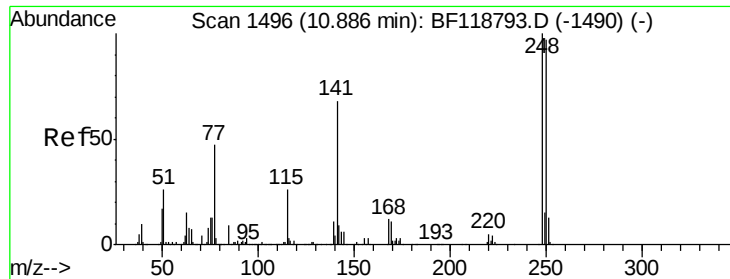


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

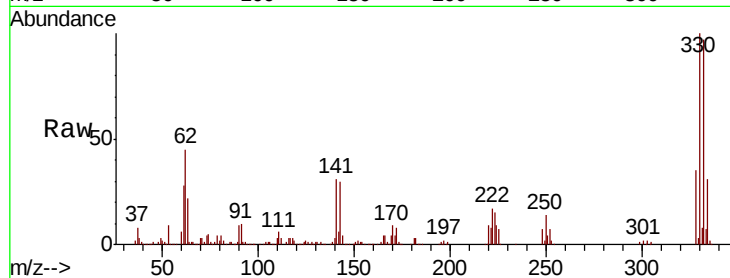




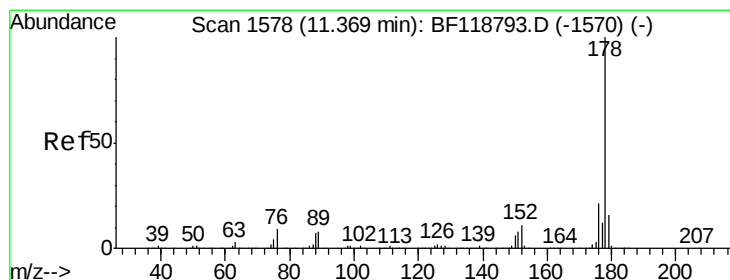
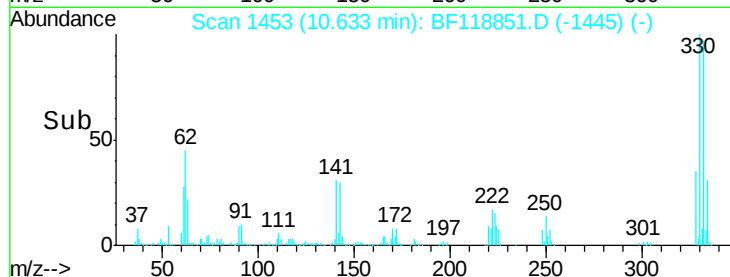
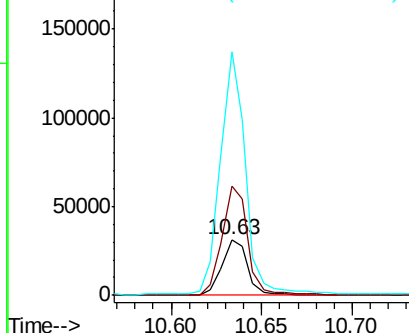
#67
 4-Bromophenyl-phenylether
 Concen: 2.999 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 30738
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.6 116.4#
 141 437.2 54.4 81.6#

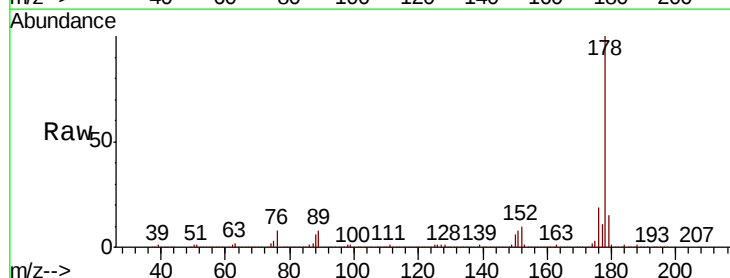


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

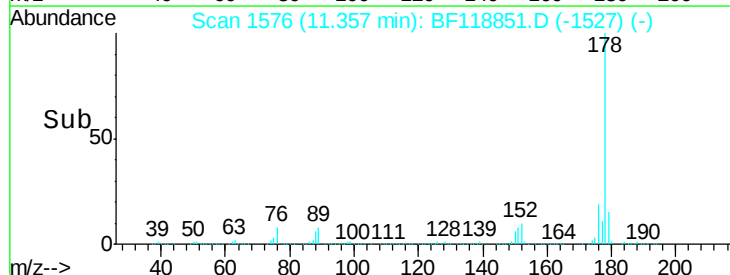
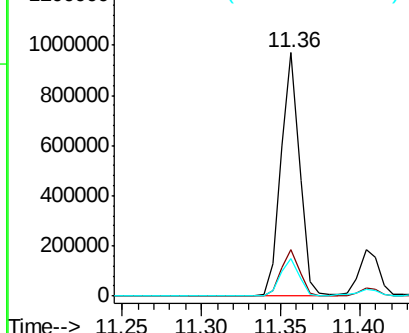


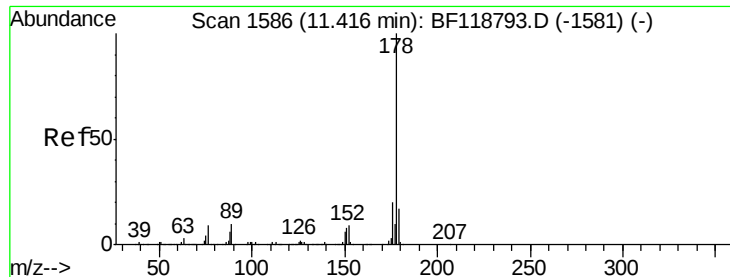
#71
 Phenanthrene
 Concen: 18.663 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Tgt Ion:178 Resp: 795606
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.6 24.8
 179 15.2 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

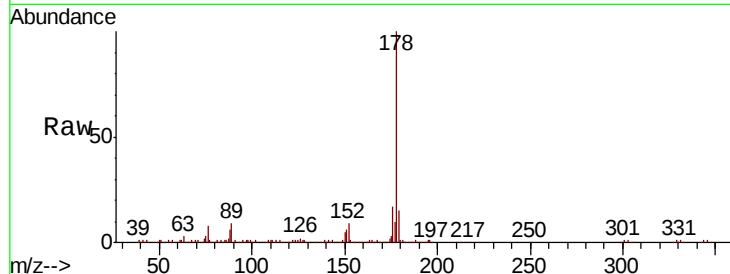




#72
 Anthracene
 Concen: 3.639 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	16.2	24.2
179	15.5	13.4	20.2

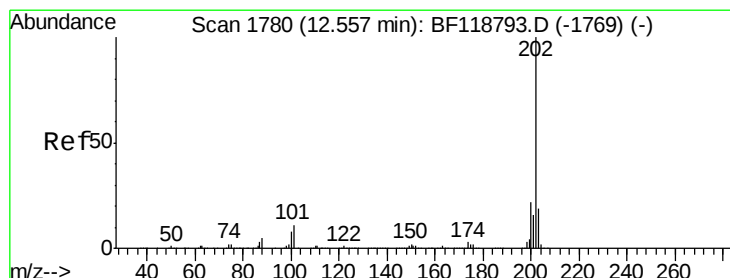
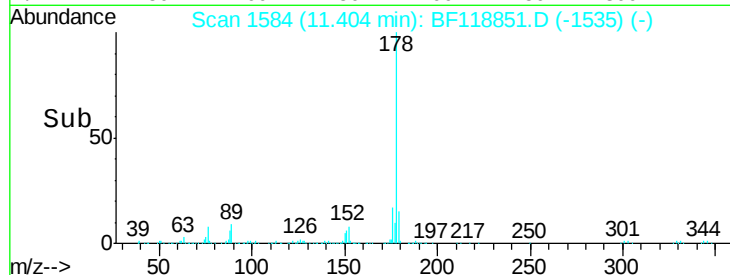
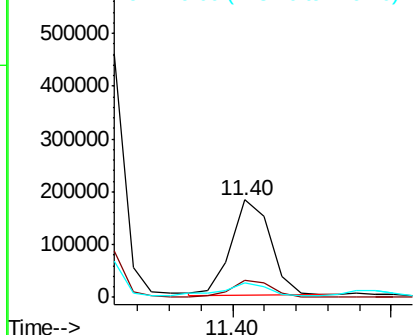


Abundance

Ion 178.00 (177.70 to 178.70): E

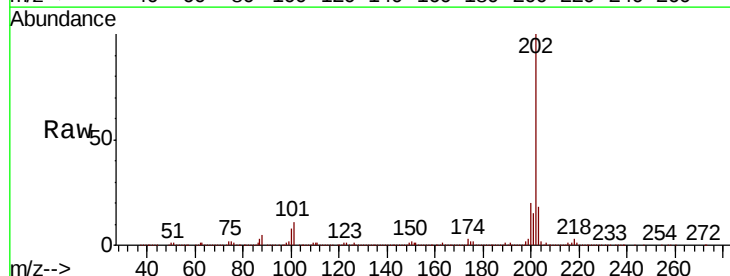
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 17.184 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.0
203	18.0	0.0	38.7

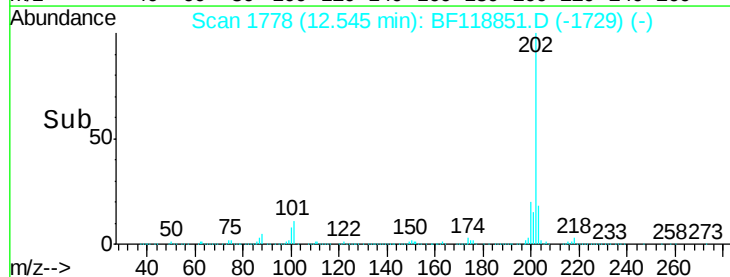
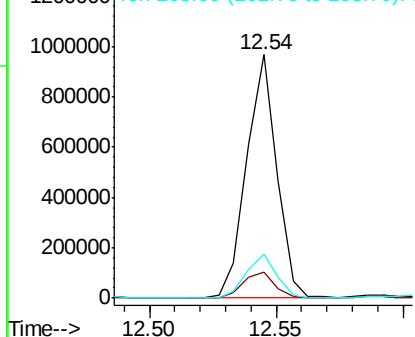


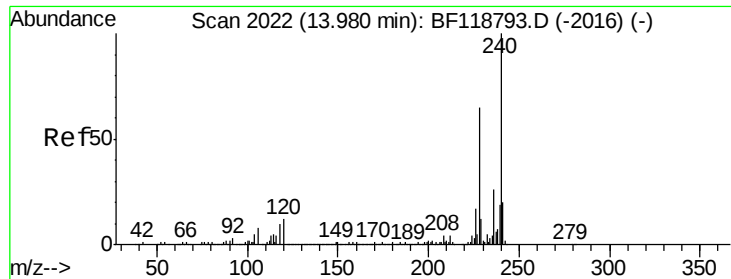
Abundance

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

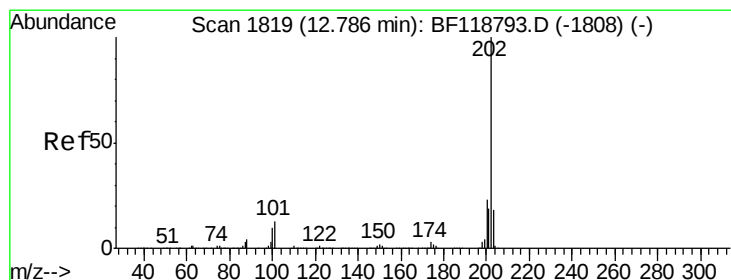
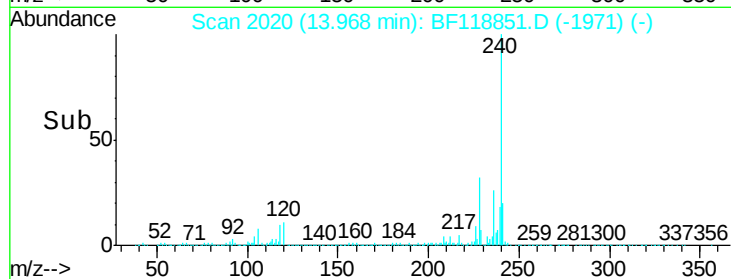
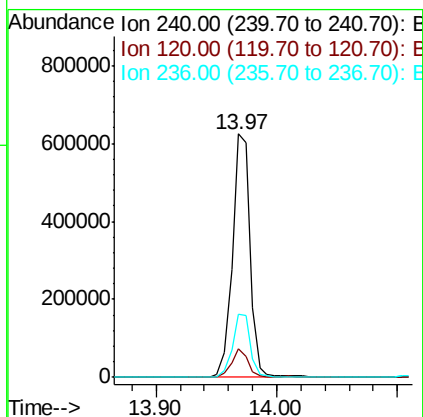
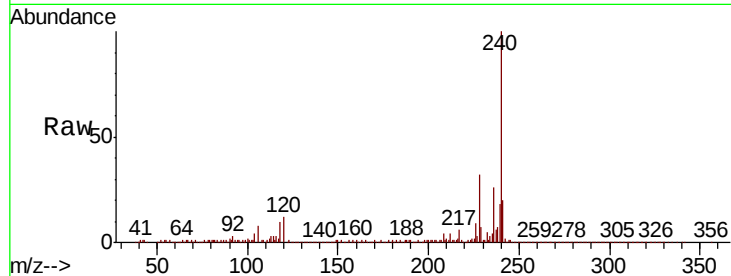




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

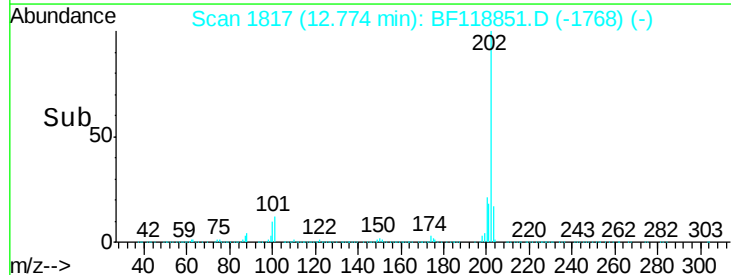
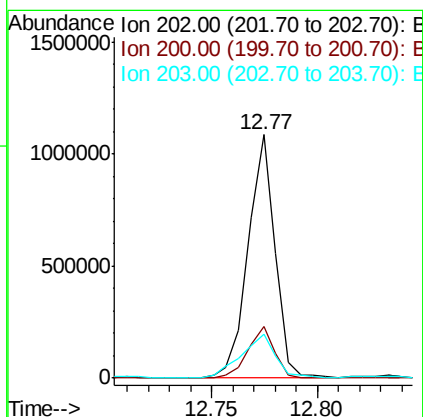
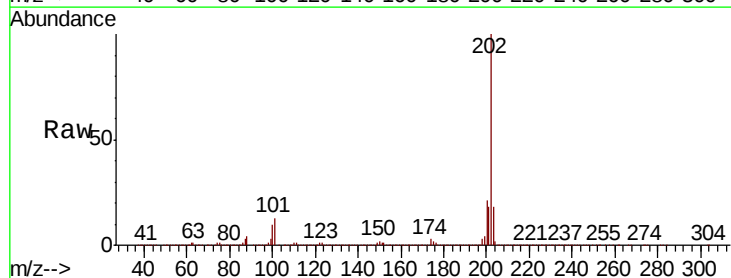
Instrument :
BNA_F
ClientSampleId :

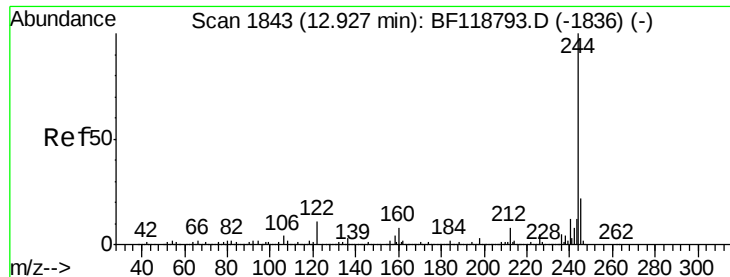
Tot Ion:240 Resp: 636266
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.0
236 25.7 21.0 31.6



#78
Pyrene
Concen: 22.057 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Tgt Ion:202 Resp: 962798
Ion Ratio Lower Upper
202 100
200 21.4 18.2 27.2
203 17.9 14.8 22.2

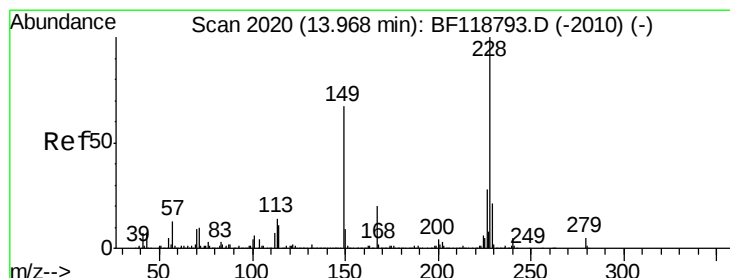
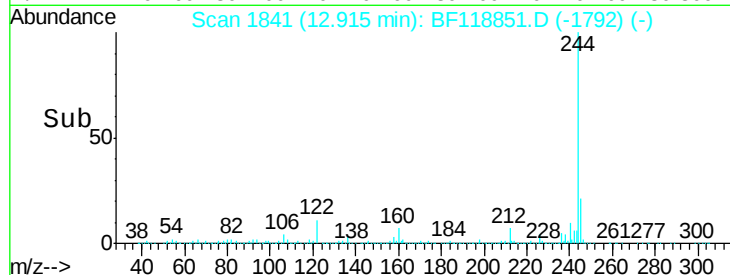
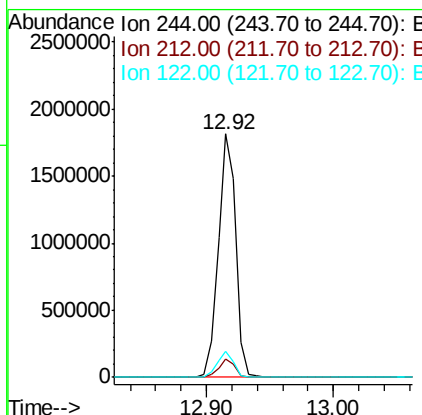
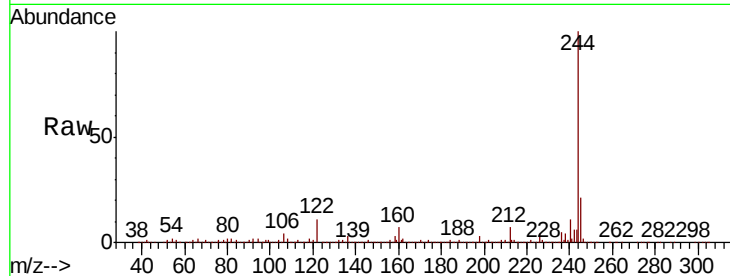




#79
 Terphenyl-d14
 Concen: 56.674 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

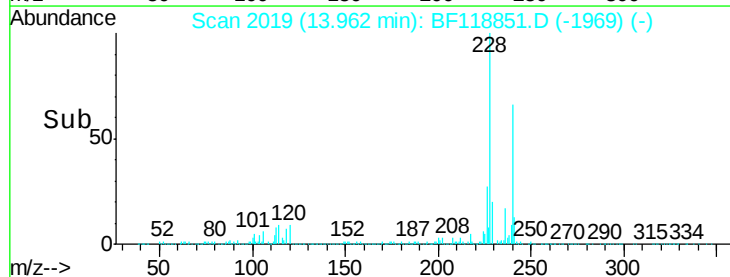
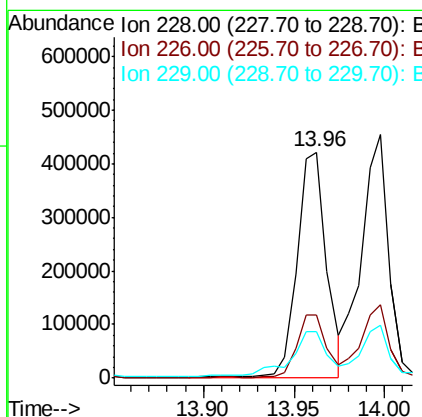
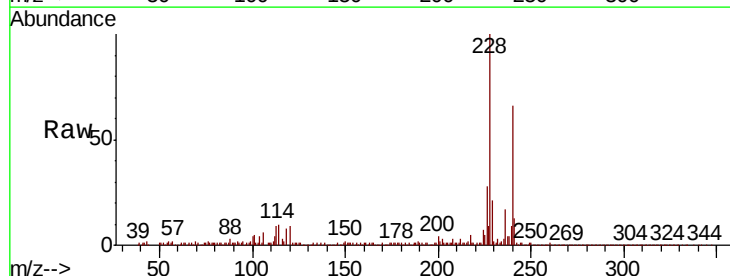
Instrument :
 BNA_F
 ClientSampled :

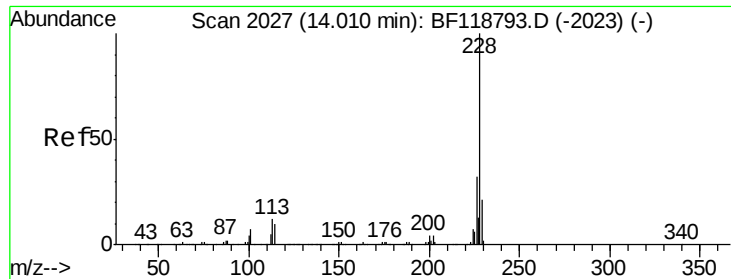
Tot Ion:244 Resp: 1755561
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 10.8 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 12.578 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF118851.D
 Acq: 7 Feb 2020 15:32

Tgt Ion:228 Resp: 476213
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.7 34.1
 229 20.8 16.6 25.0





#83

Chrysene

Concen: 12.596 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

Instrument :

BNA_F

ClientSampleId :

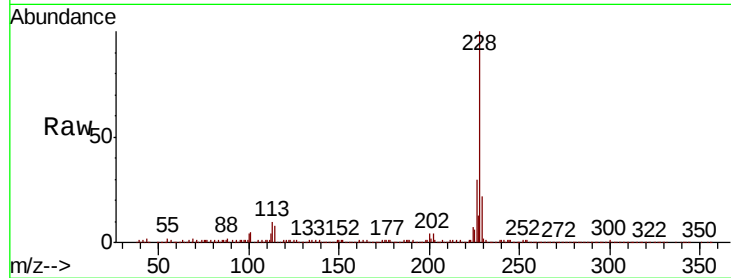
Tot Ion:228 Resp: 478633

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

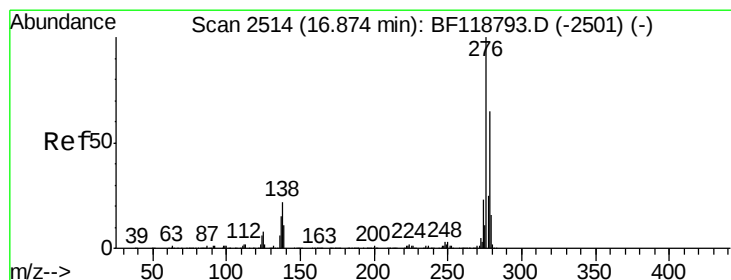
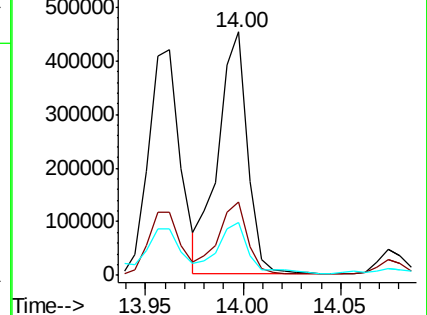
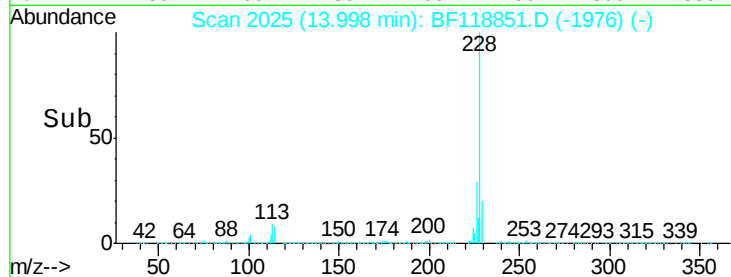
229 21.5 16.9 25.3



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: 7.100 ng

RT: 16.85 min Scan# 2510

Delta R.T. -0.02 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

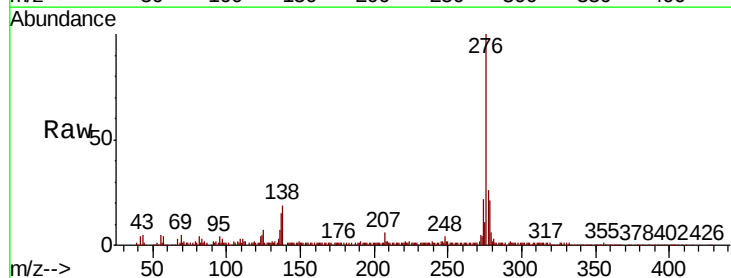
Tgt Ion:276 Resp: 271091

Ion Ratio Lower Upper

276 100

138 18.8 18.3 27.5

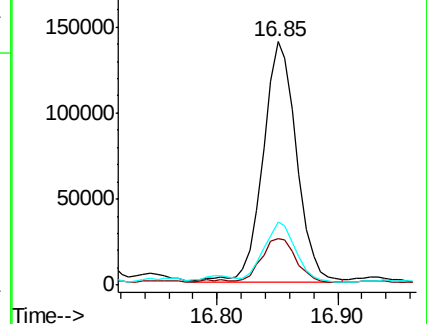
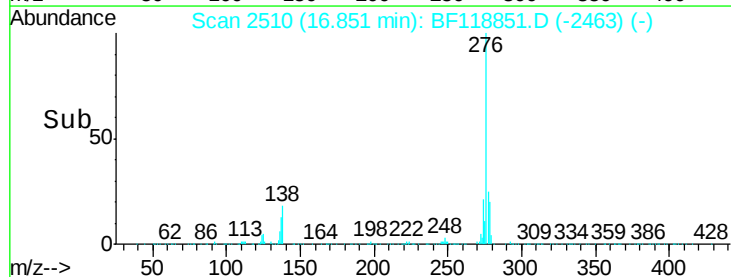
277 23.5 20.2 30.4

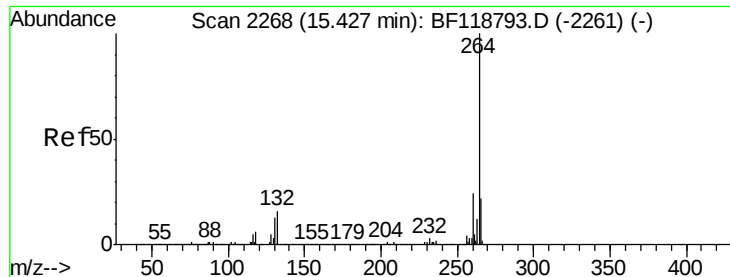


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

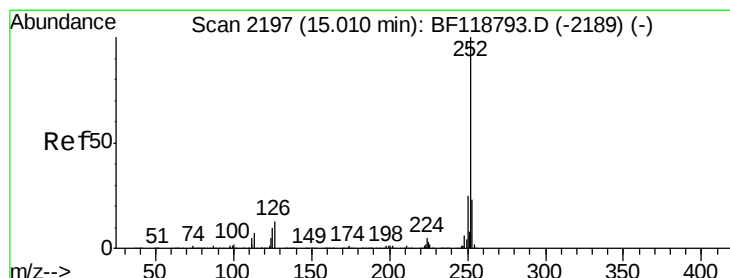
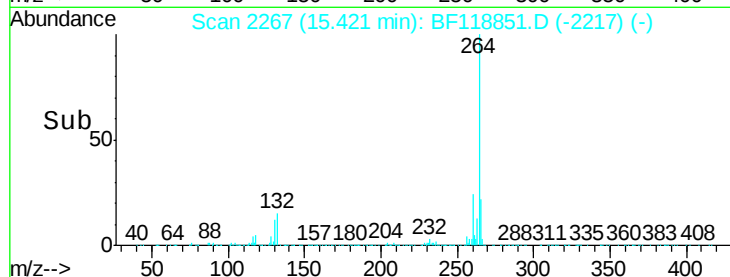
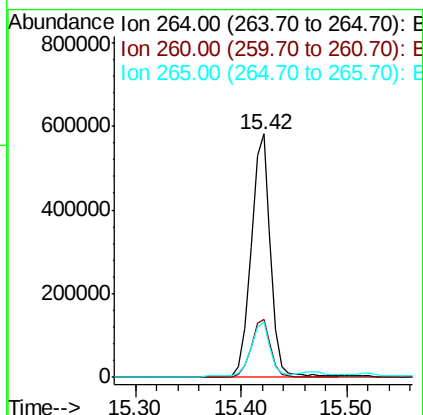
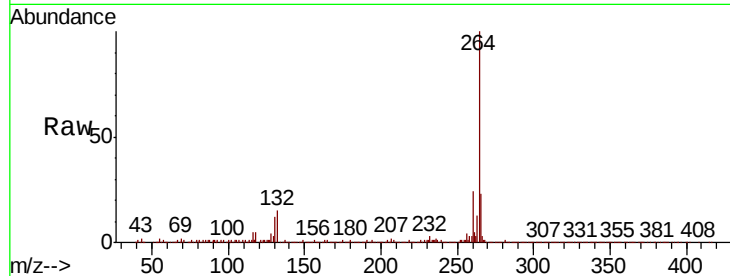




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

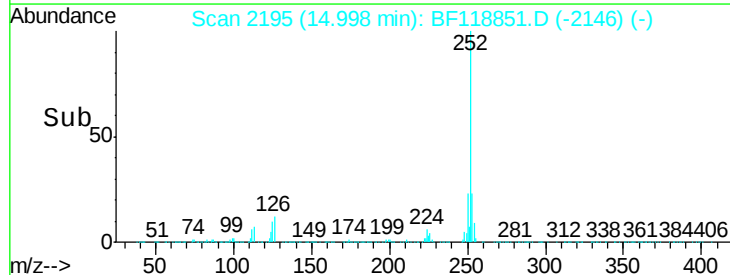
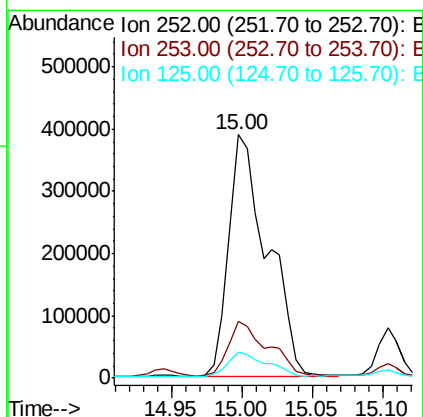
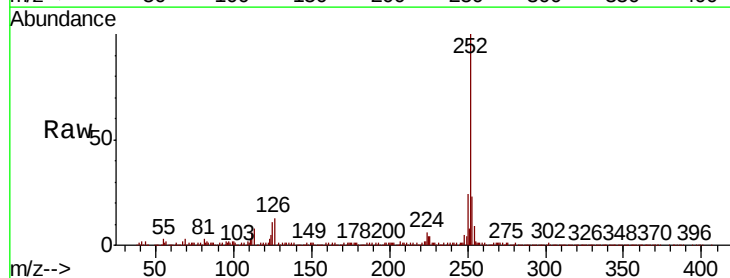
Instrument :
BNA_F
ClientSampleId :

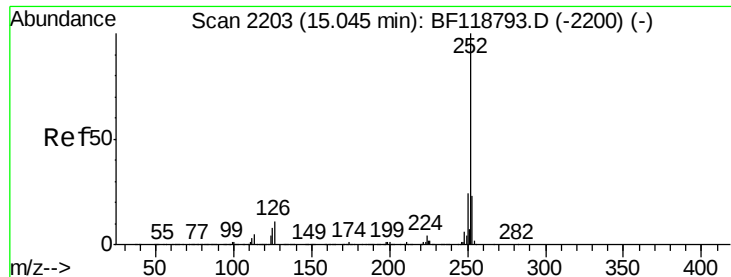
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.7	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 16.352 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	10.9	8.1	12.1

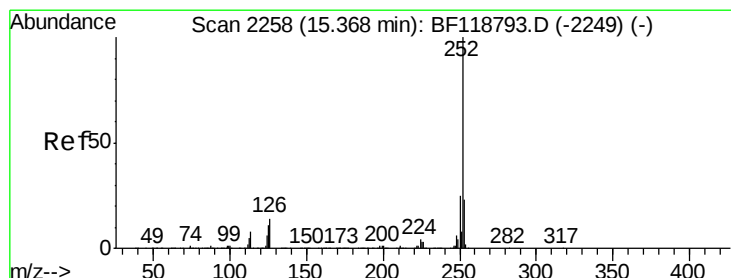
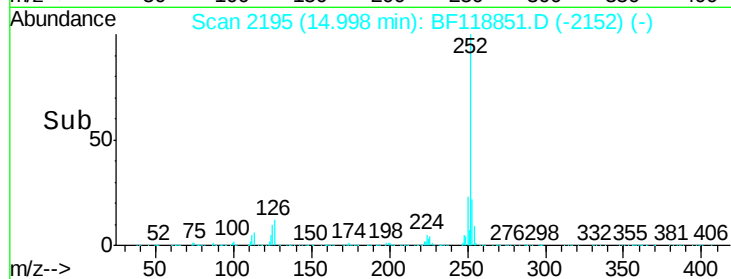
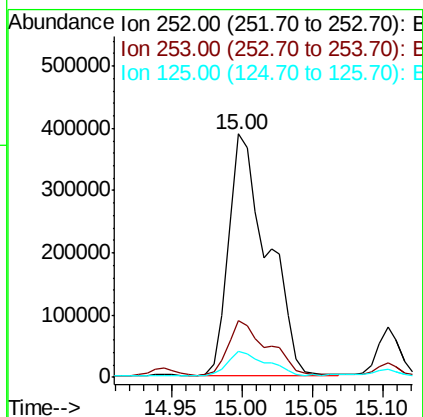
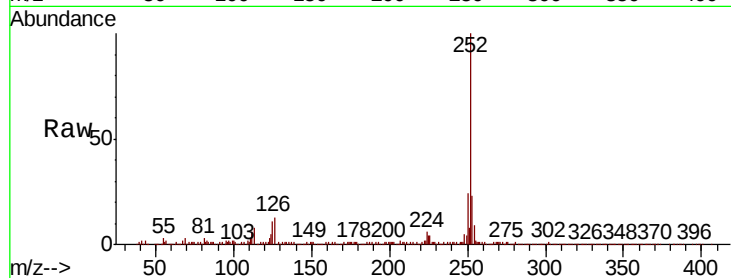




#89
Benzo(k)fluoranthene
Concen: 18.778 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

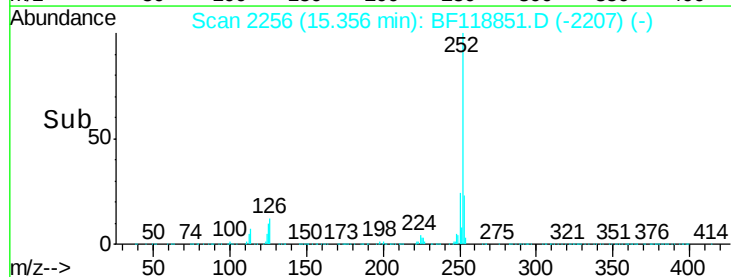
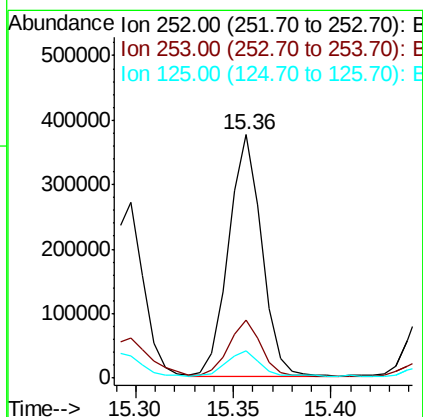
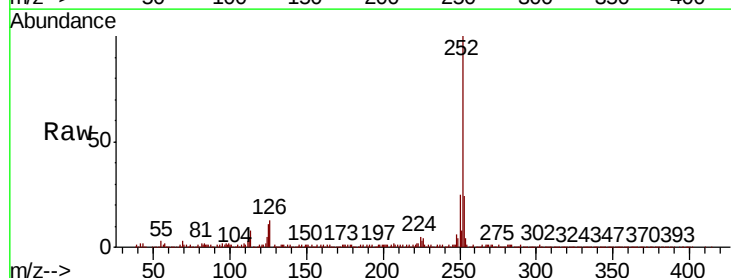
Instrument :
BNA_F
ClientSampled :

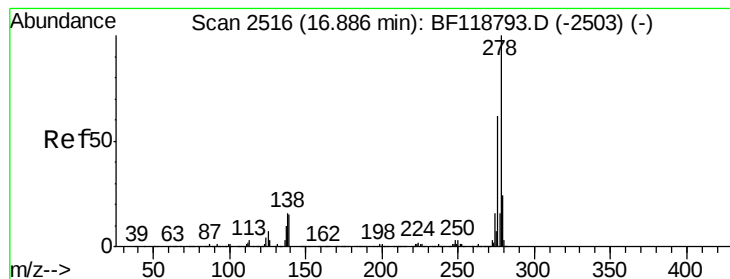
Tot Ion:252 Resp: 749761
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 10.9 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 11.260 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118851.D
Acq: 7 Feb 2020 15:32

Tgt Ion:252 Resp: 441861
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 11.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.073 ng

RT: 16.86 min Scan# 2511

Delta R.T. -0.03 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

Instrument :

BNA_F

ClientSampleId :

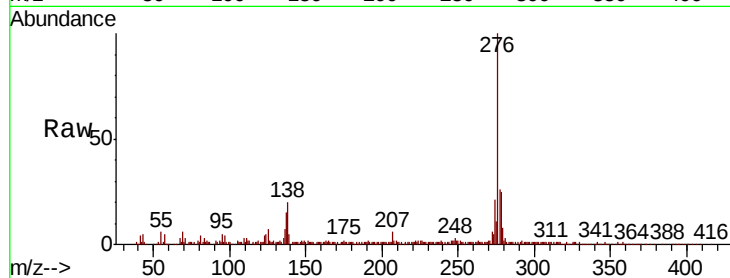
Tot Ion:278 Resp: 72205

Ion Ratio Lower Upper

278 100

139 22.2 12.3 18.5#

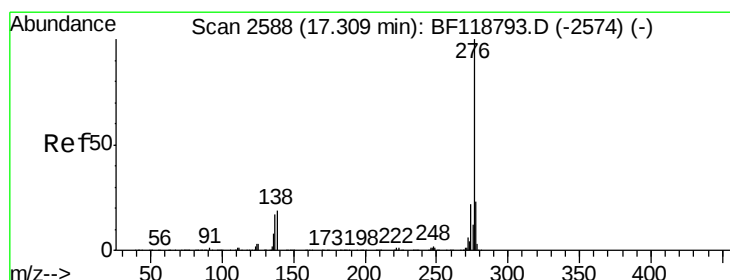
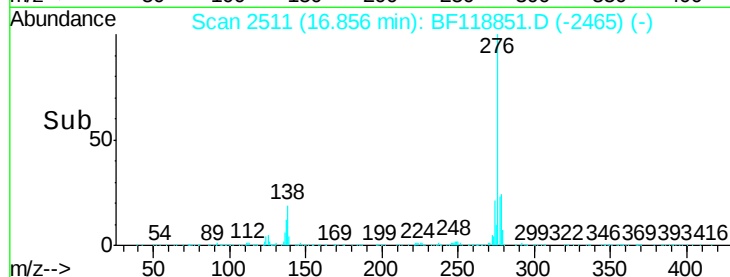
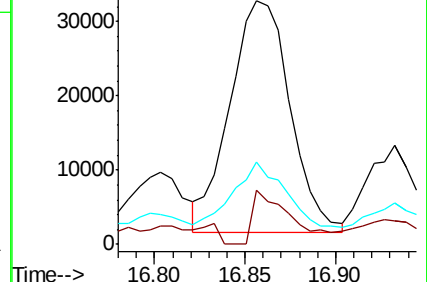
279 33.8 19.1 28.7#



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: 8.287 ng

RT: 17.29 min Scan# 2584

Delta R.T. -0.02 min

Lab File: BF118851.D

Acq: 7 Feb 2020 15:32

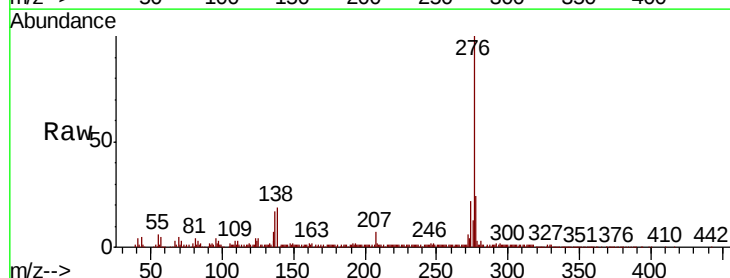
Tgt Ion:276 Resp: 277613

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 19.0 15.4 23.2



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

