

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111963.D
 Acq On : 9 Jan 2019 21:31
 Operator : JU/SJ
 Sample : K1044-04RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:54:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	134078	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	469680	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	201389	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	341296	20.00	ng	0.00
76) Chrysene-d12	14.06	240	271914	20.00	ng	0.00
87) Perylene-d12	15.54	264	199139	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	655874	83.69	ng	0.00
7) Phenol-d6	6.53	99	845364	83.69	ng	0.00
23) Nitrobenzene-d5	7.44	82	516231	58.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	196465	75.00	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	903812	65.44	ng	-0.01
79) Terphenyl-d14	13.00	244	829887	57.93	ng	0.00

Target Compounds

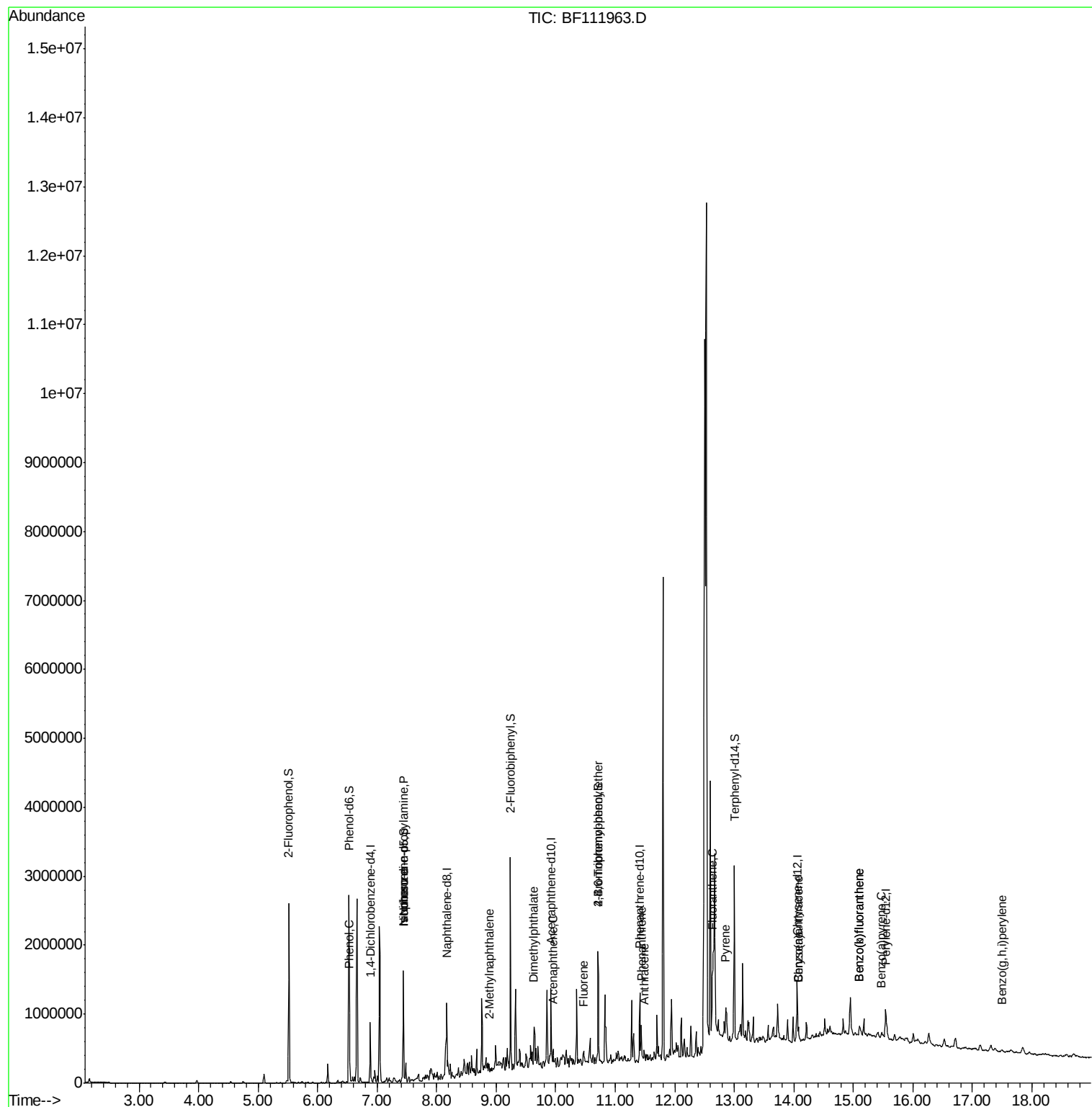
						Qvalue
9) Benzaldehyde	6.43	77	2382	Below Cal	#	86
10) Phenol	6.54	94	51996	4.736 ng	#	72
19) n-Nitroso-di-n-propylamine	7.44	70	71090	10.832 ng	#	77
25) Isophorone	7.44	82	509450	35.800 ng	#	65
37) 2-Methylnaphthalene	8.88	142	29580	2.141 ng		96
50) Dimethylphthalate	9.63	163	127378	8.420 ng		100
52) Acenaphthene	9.96	154	33577	2.665 ng		96
58) Fluorene	10.47	166	41080	3.081 ng		98
67) 4-Bromophenyl-phenylether	10.71	248	11791	2.667 ng	#	1
71) Phenanthrene	11.43	178	180487	9.891 ng		99
72) Anthracene	11.49	178	58098	3.136 ng		98
75) Fluoranthene	12.63	202	212426	11.340 ng		98
78) Pvrene	12.86	202	205699	10.994 ng		98
81) Benzo(a)anthracene	14.08	228	71460	4.566 ng		94
83) Chrysene	14.08	228	71460	4.789 ng	#	96
88) Benzo(b)fluoranthene	15.10	252	77886	6.538 ng	#	76
89) Benzo(k)fluoranthene	15.10	252	77886	6.956 ng	#	78
90) Benzo(a)pyrene	15.47	252	42949	4.100 ng	#	84
92) Benzo(a,h,i)perylene	17.50	276	23951	2.907 ng	#	90

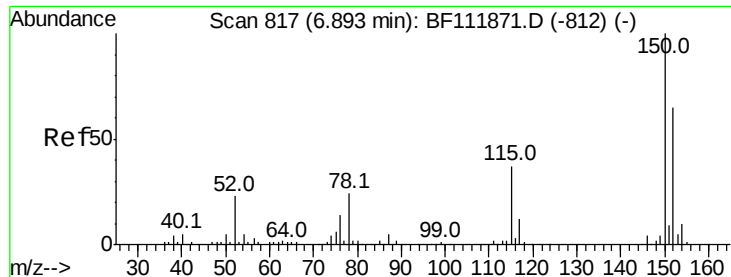
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111963.D
Acq On : 9 Jan 2019 21:31
Operator : JU/SJ
Sample : K1044-04RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 10 01:54:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration



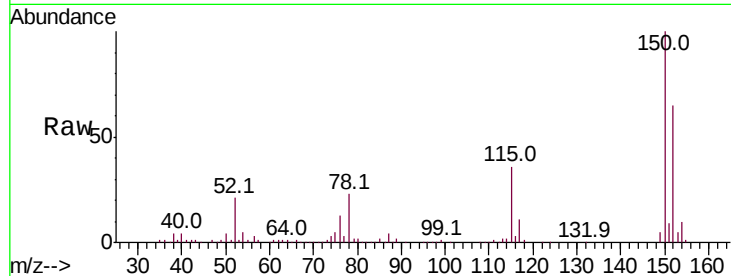


#1

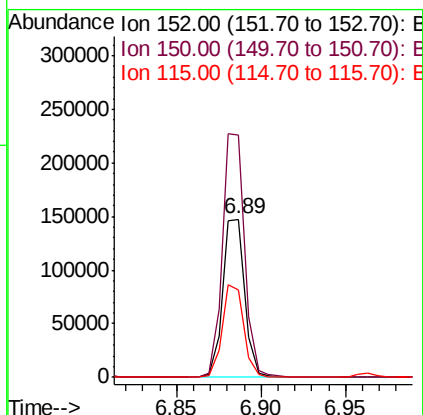
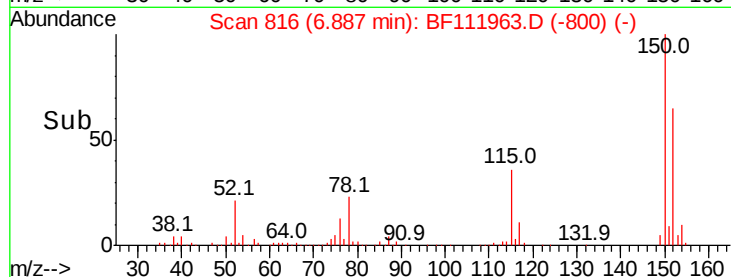
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134078
Ion Ratio Lower Upper
152 100
150 153.7 122.7 184.1
115 55.1 45.2 67.8



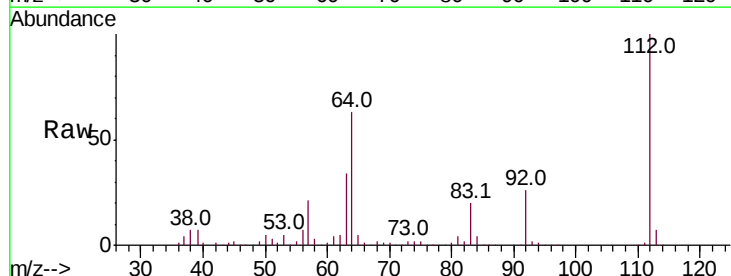
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



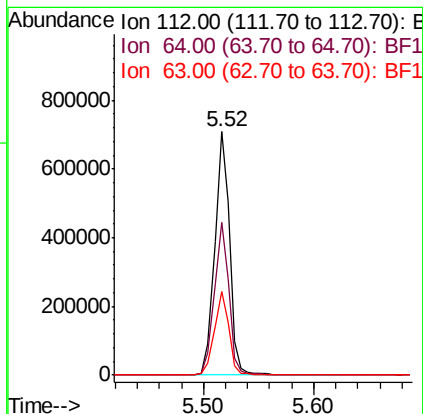
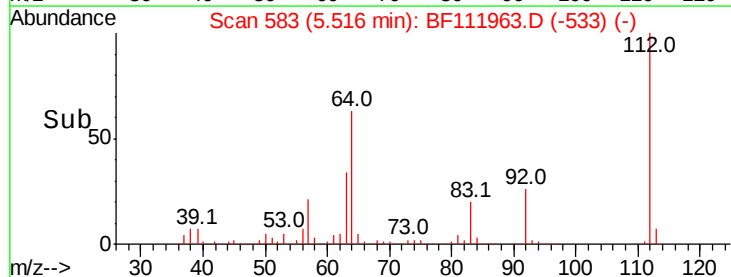
#5

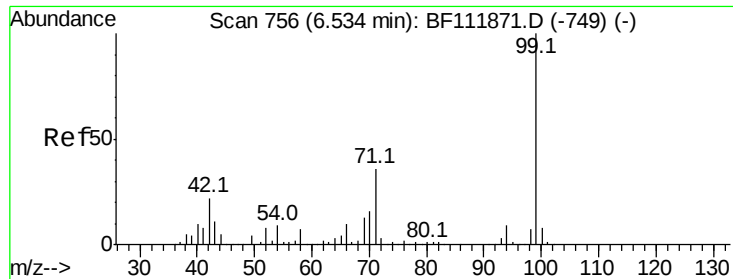
2-Fluorophenol
Concen: 83.689 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:112 Resp: 655874
Ion Ratio Lower Upper
112 100
64 62.8 48.3 72.5
63 34.3 26.1 39.1



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: 83.691 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

Instrument :

BNA_F

ClientSampleId :

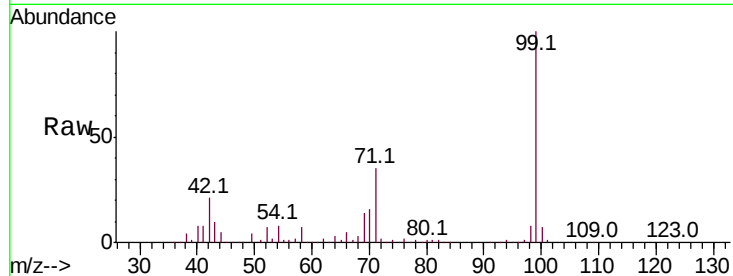
Tot Ion: 99 Resp: 845364

Ion Ratio Lower Upper

99 100

42 21.2 17.9 26.9

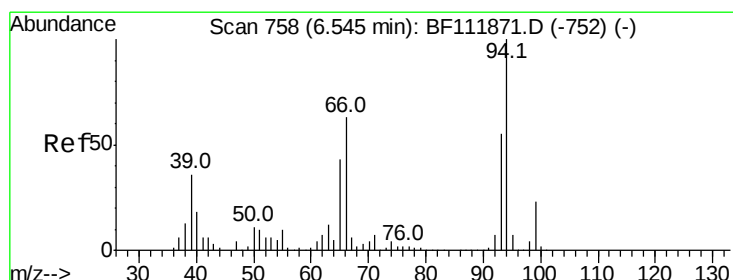
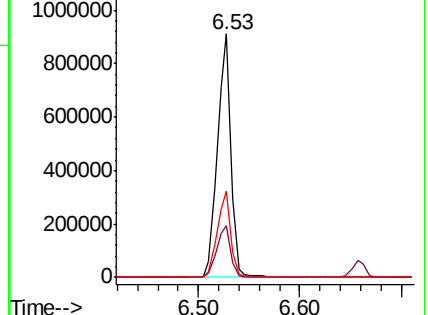
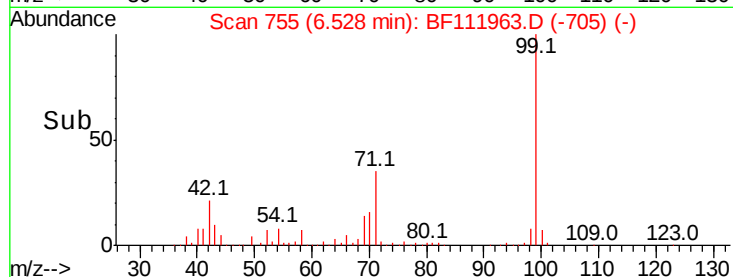
71 35.3 28.7 43.1



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



#10

Phenol

Concen: 4.736 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

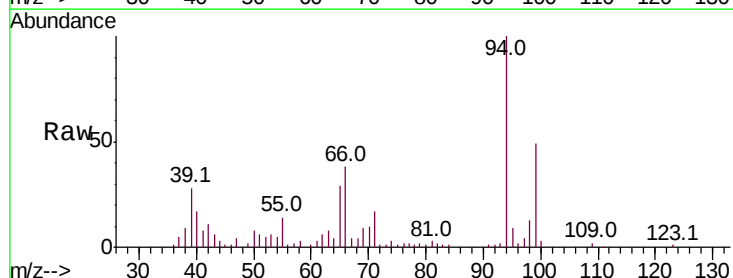
Tgt Ion: 94 Resp: 51996

Ion Ratio Lower Upper

94 100

65 29.0 22.8 62.8

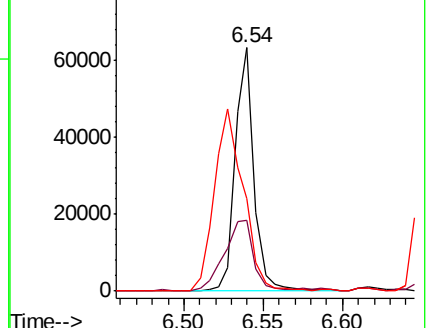
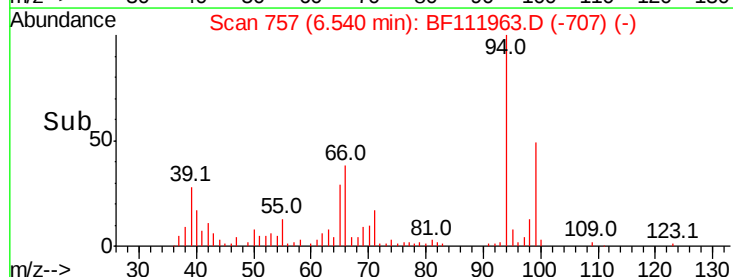
66 38.2 43.3 83.3#

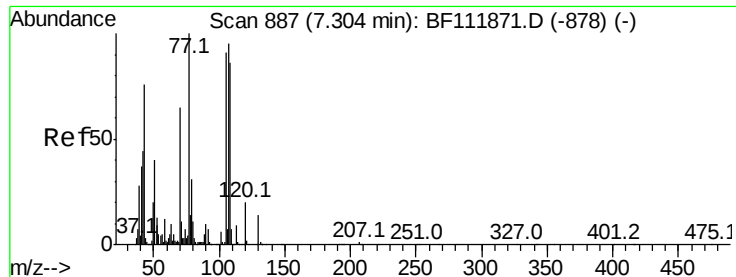


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

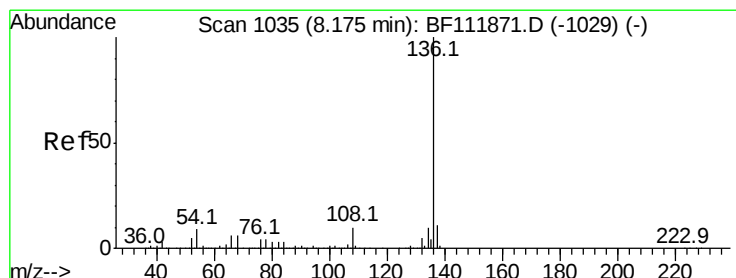
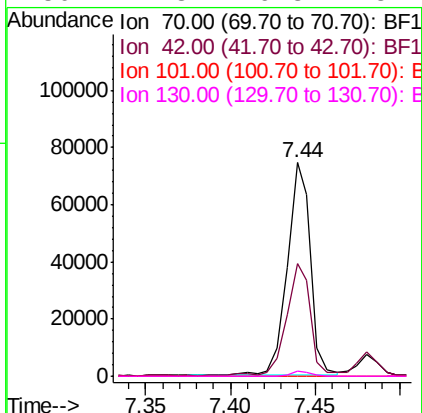
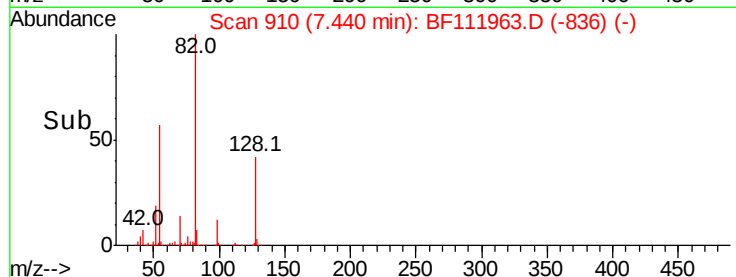
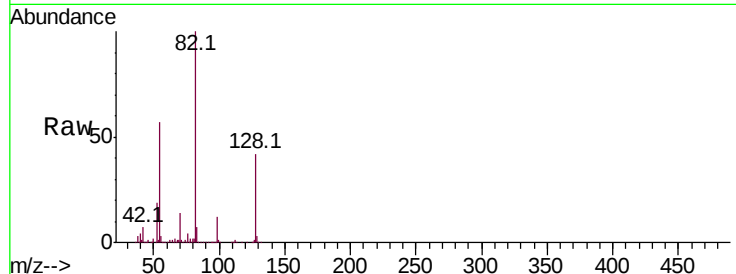




#19
n-Nitroso-di-n-propylamine
Concen: 10.832 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

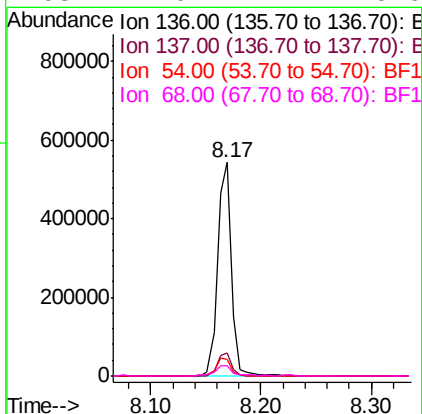
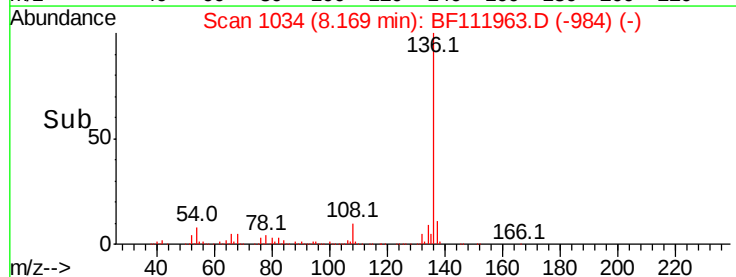
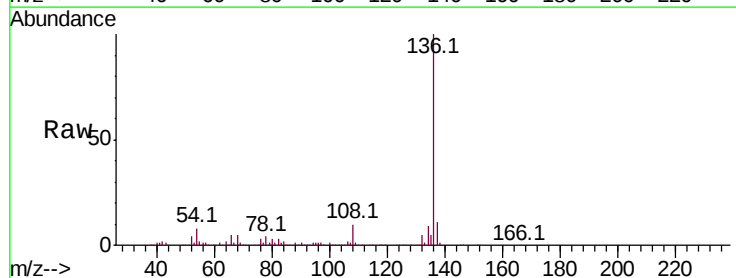
Instrument :
BNA_F
ClientSampleId :

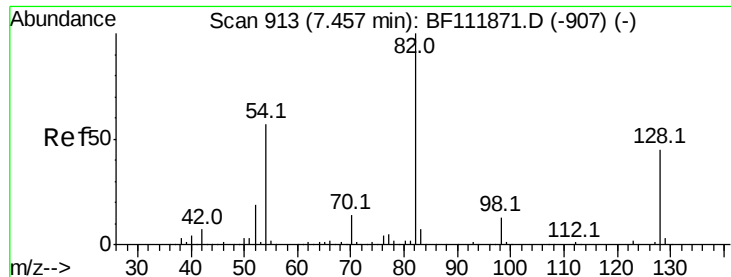
Tot Ion: 70 Resp: 71090
Ion Ratio Lower Upper
70 100
42 52.7 53.6 80.4#
101 0.0 7.3 10.9#
130 2.3 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:136 Resp: 469680
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.8 7.2 10.8
68 4.9 4.4 6.6

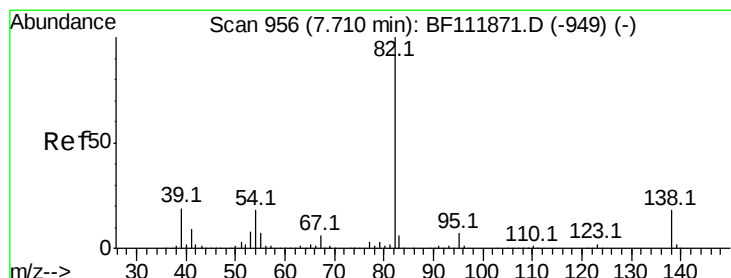
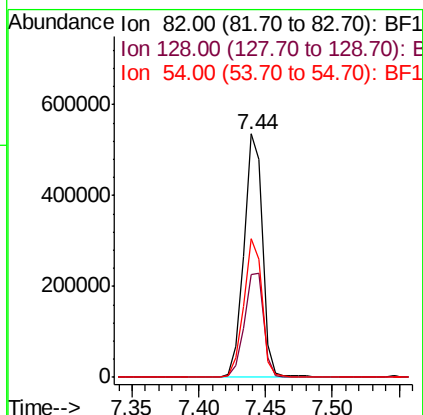
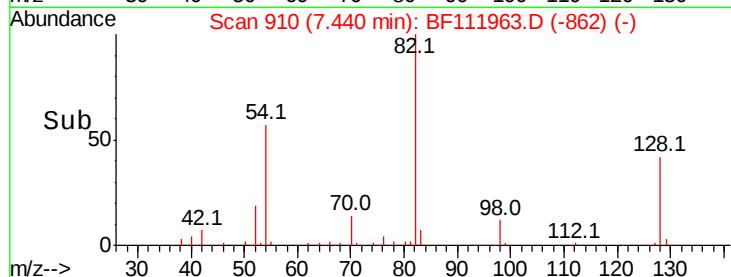
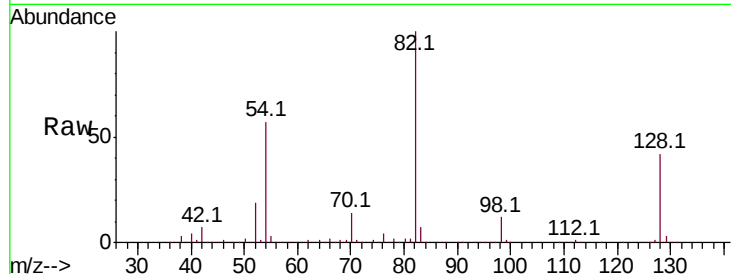




#23
Nitrobenzene-d5
Concen: 58.742 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

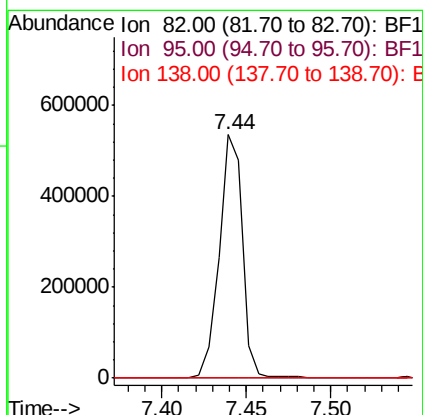
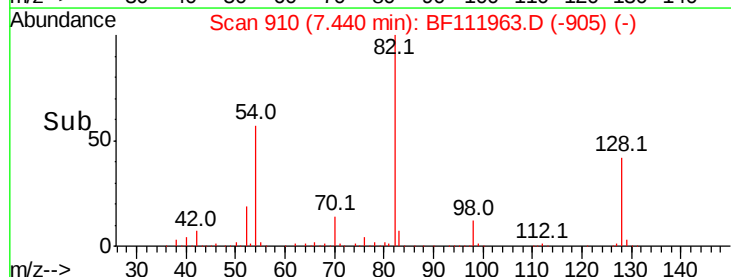
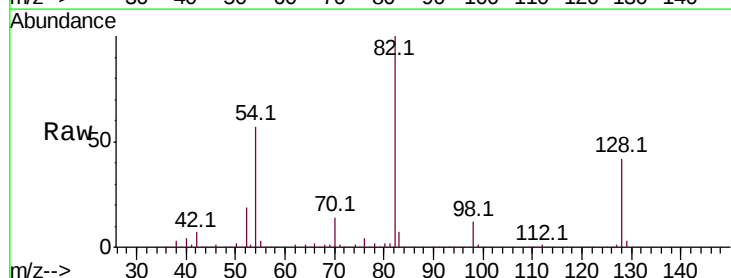
Instrument :
BNA_F
ClientSampled :

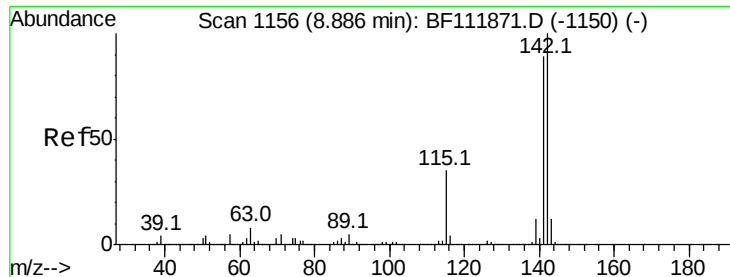
Tot Ion: 82 Resp: 516231
Ion Ratio Lower Upper
82 100
128 42.4 35.7 53.5
54 57.0 45.8 68.8



#25
Isophorone
Concen: 35.800 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.27 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion: 82 Resp: 509450
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 14.4 21.6#

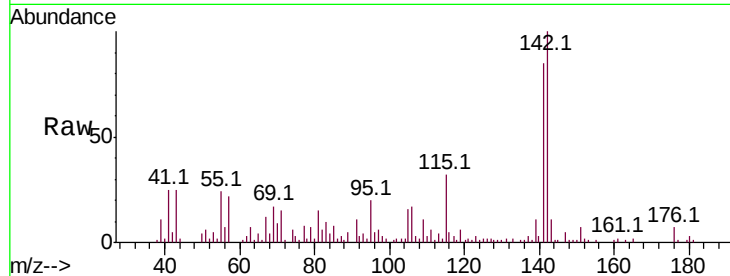




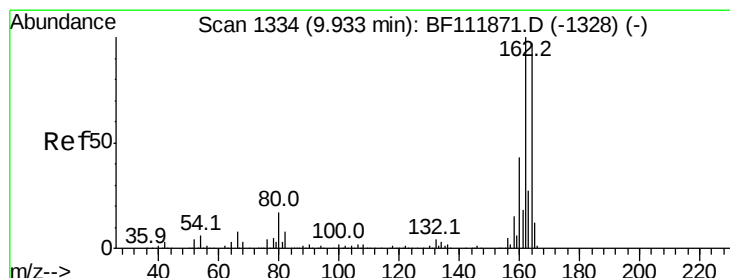
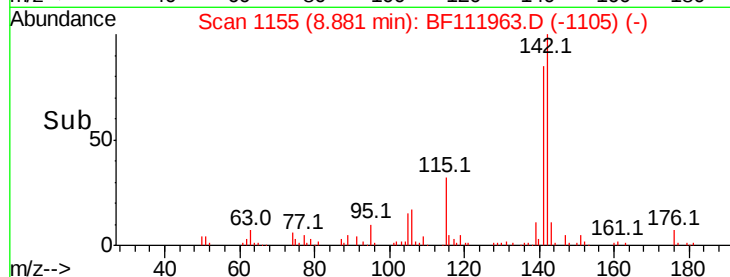
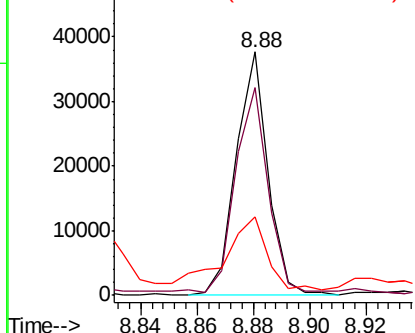
#37
2-Methylnaphthalene
Concen: 2.141 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 29580
Ion Ratio Lower Upper
142 100
141 85.5 71.4 107.2
115 32.2 28.3 42.5

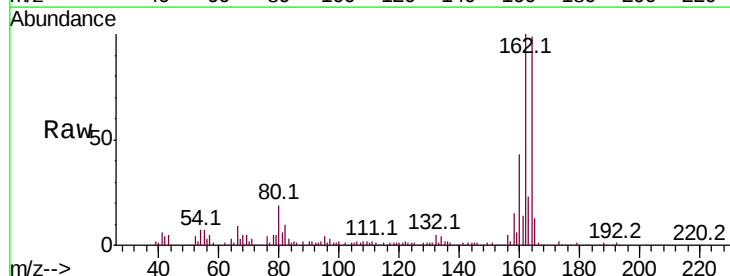


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

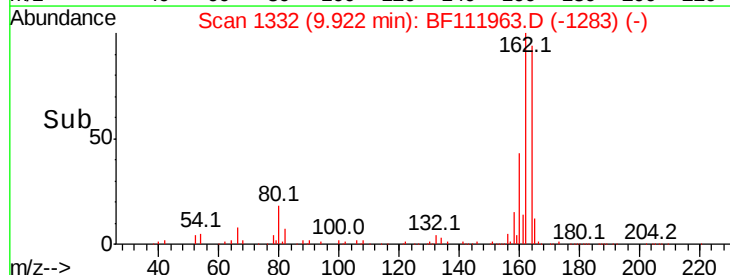
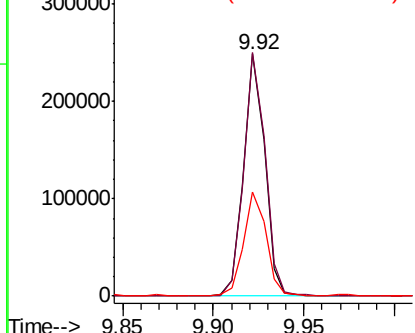


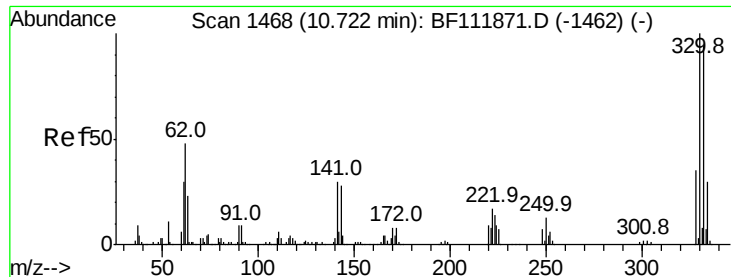
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:164 Resp: 201389
Ion Ratio Lower Upper
164 100
162 100.7 82.2 123.2
160 43.0 35.5 53.3



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

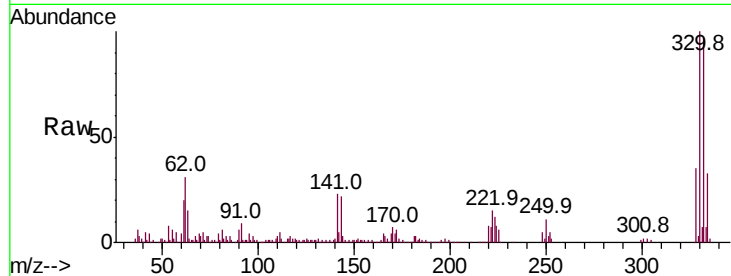




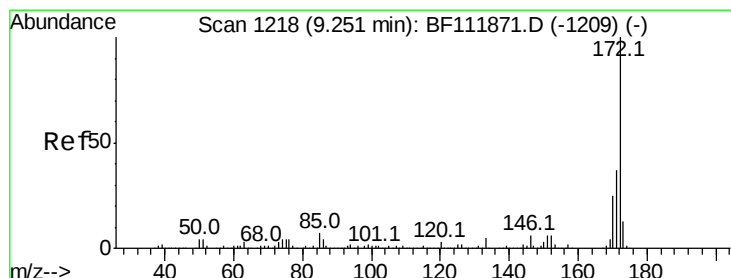
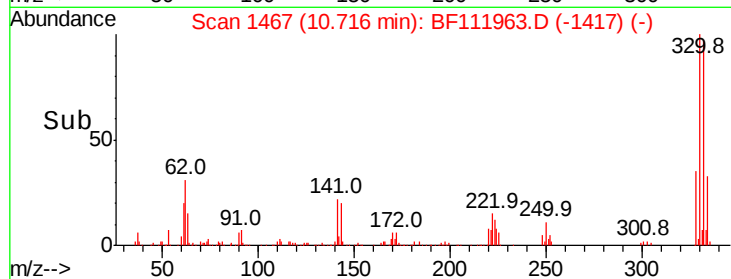
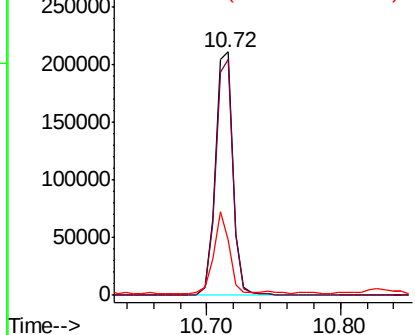
#42
 2,4,6-Tribromophenol
 Concen: 75.002 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 196465
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.9 115.3
 141 29.3 23.7 35.5

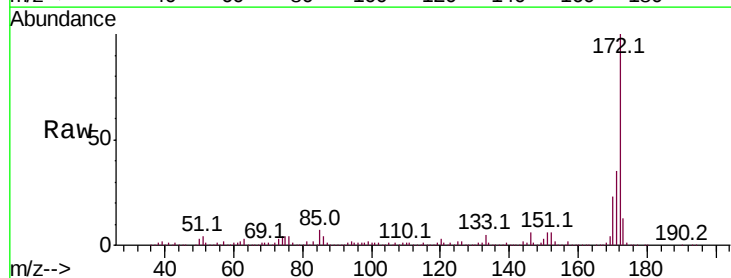


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

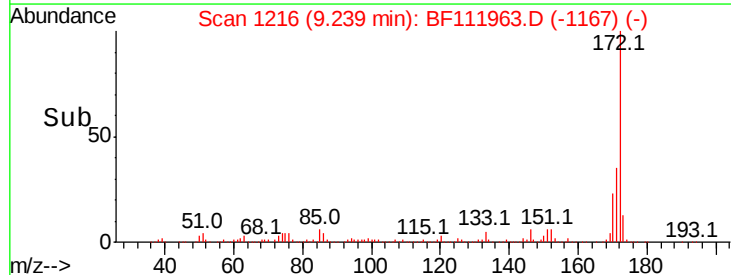
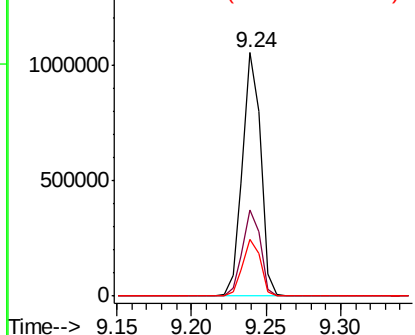


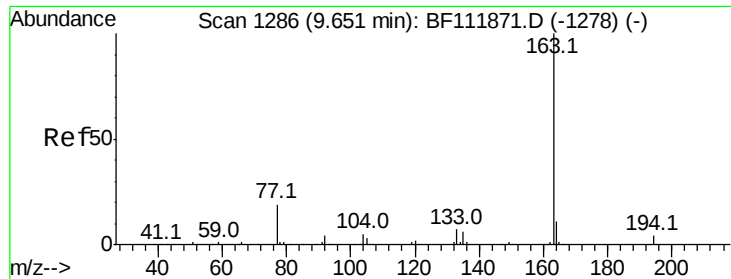
#45
 2-Fluorobiphenyl
 Concen: 65.442 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Tgt Ion:172 Resp: 903812
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.2 19.8 29.8



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

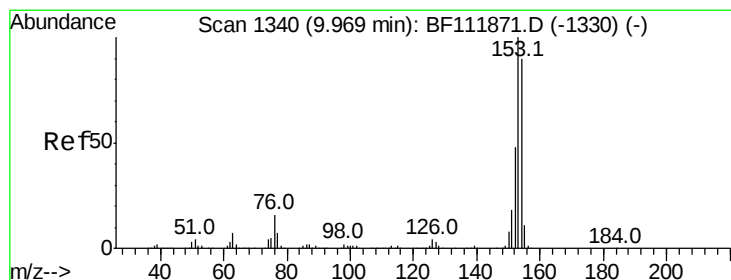
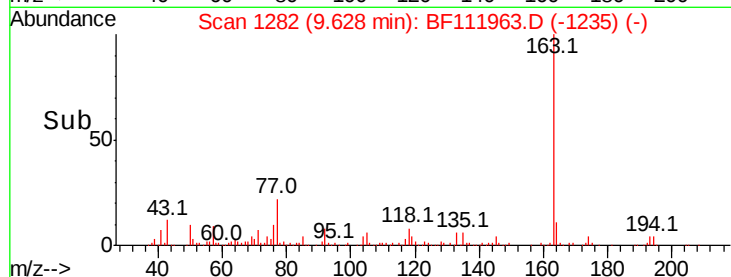
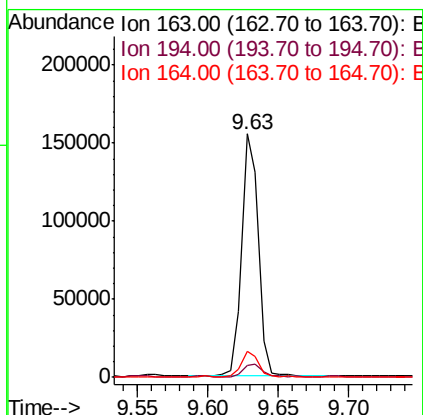
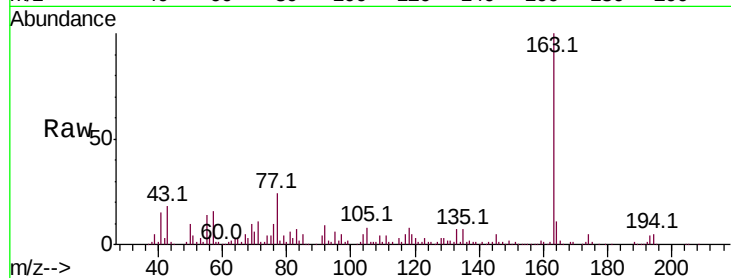




#50
Dimethylphthalate
Concen: 8.420 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

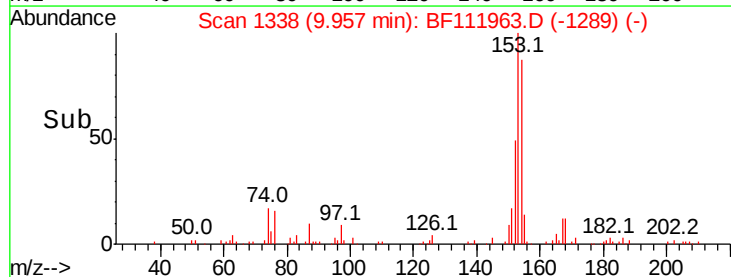
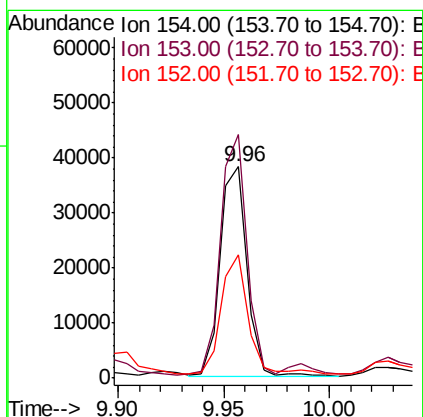
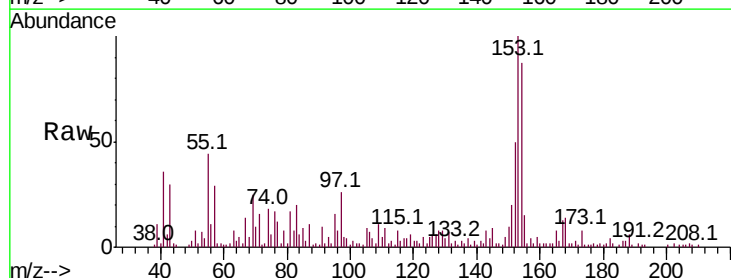
Instrument :
BNA_F
ClientSampleId :

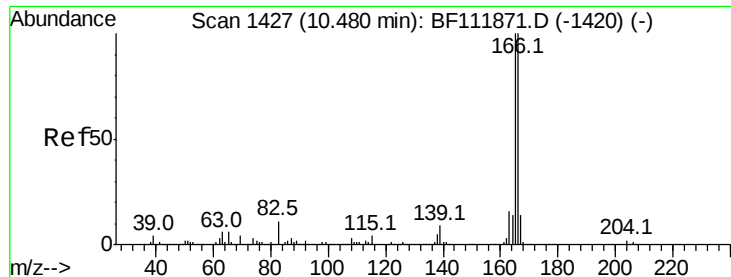
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.6	8.5	12.7



#52
Acenaphthene
Concen: 2.665 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.4	134.0
152	58.2	43.1	64.7

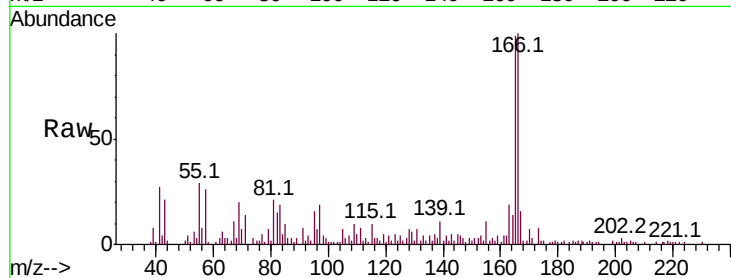




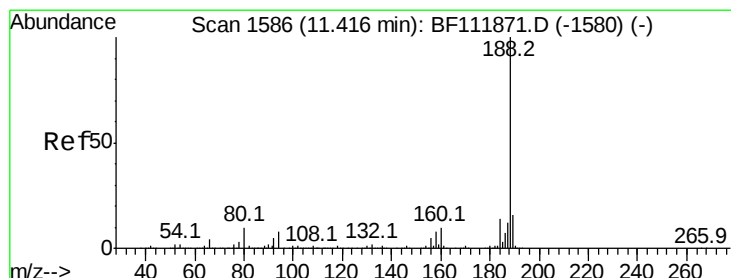
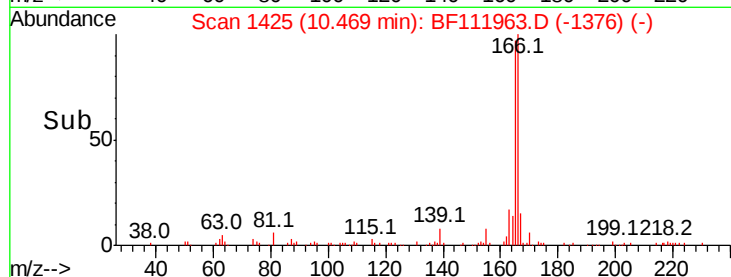
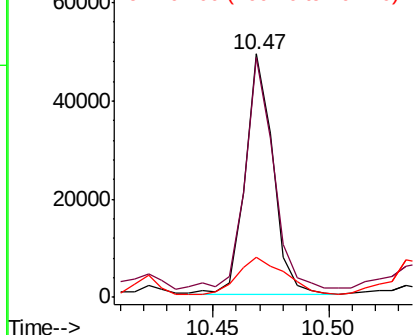
#58
 Fluorene
 Concen: 3.081 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 41080
 Ion Ratio Lower Upper
 166 100
 165 98.5 79.7 119.5
 167 16.3 11.1 16.7

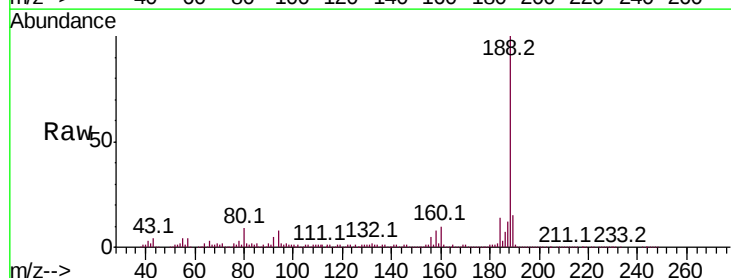


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

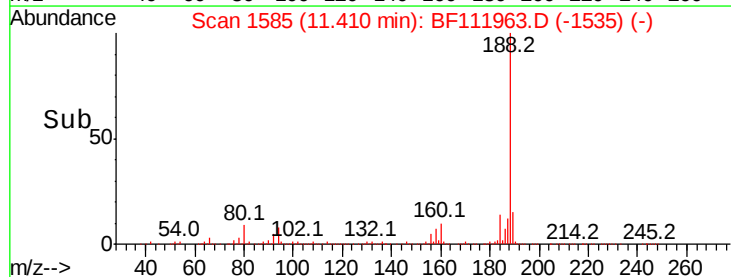
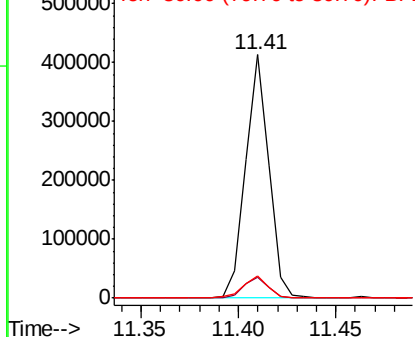


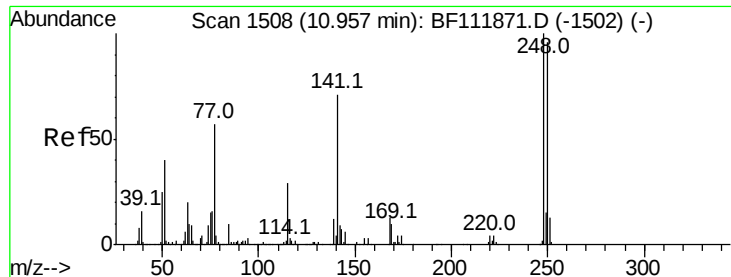
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Tgt Ion:188 Resp: 341296
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.6 10.0
 80 9.2 7.7 11.5



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

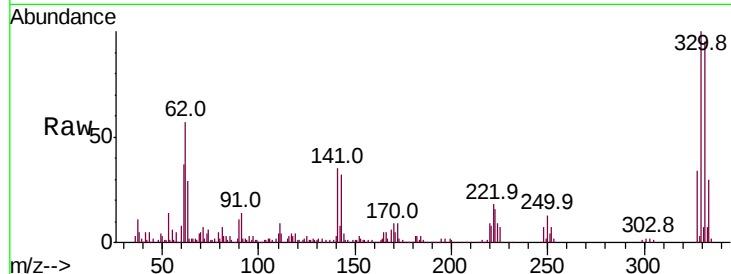




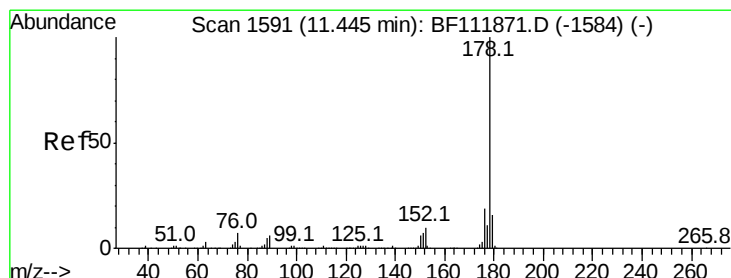
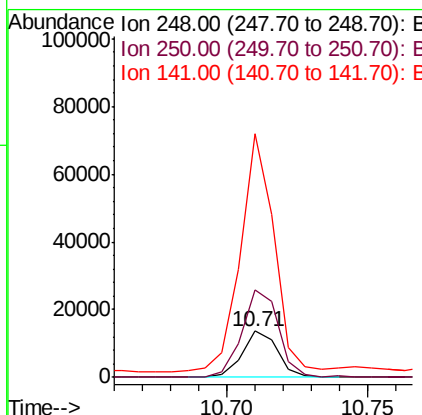
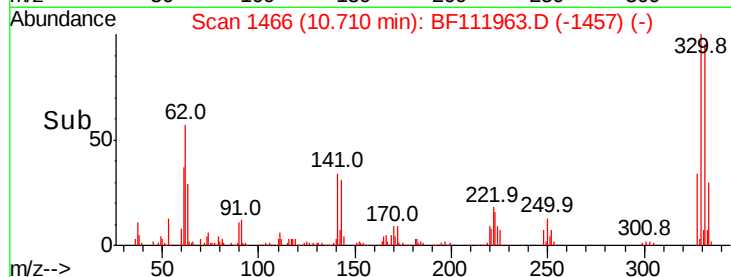
#67
 4-Bromophenyl-phenylether
 Concen: 2.667 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11791
 Ion Ratio Lower Upper
 248 100
 250 190.9 76.8 115.2#
 141 528.4 57.0 85.6#

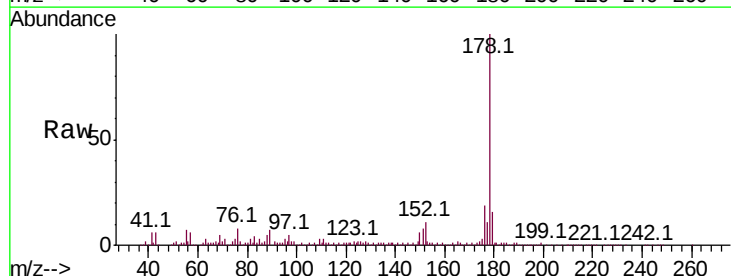


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

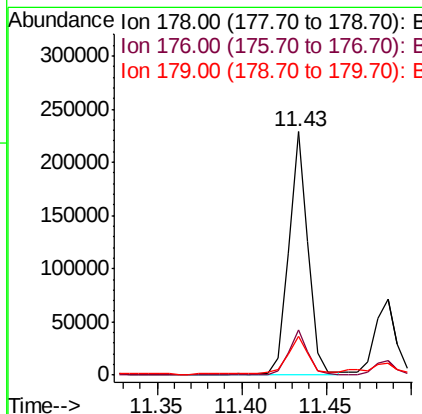
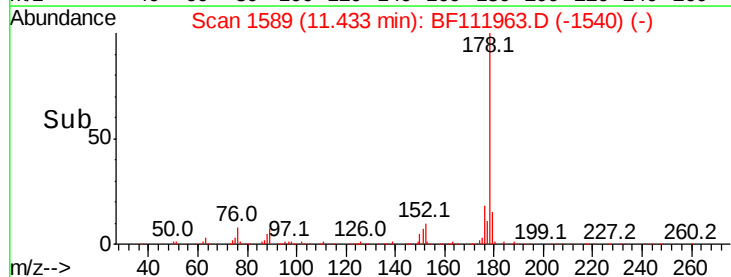


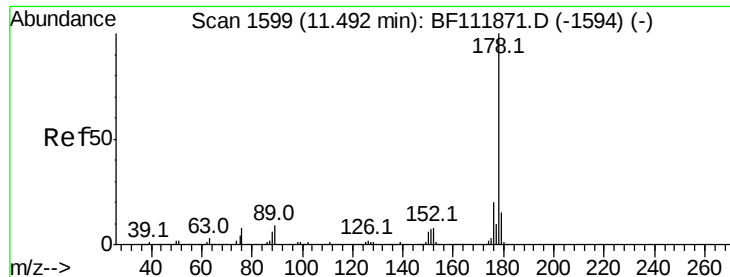
#71
 Phenanthrene
 Concen: 9.891 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF111963.D
 Acq: 9 Jan 2019 21:31

Tgt Ion:178 Resp: 180487
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 16.0 12.6 18.8



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: 3.136 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

Instrument :

BNA_F

ClientSampleId :

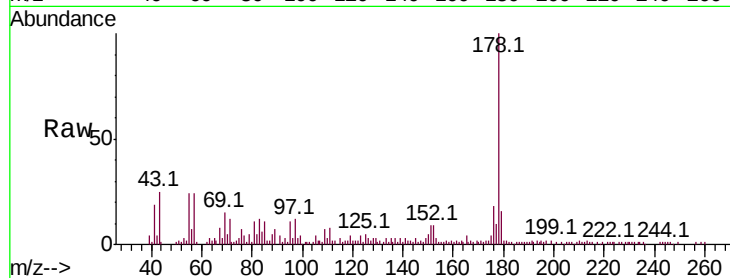
Tot Ion:178 Resp: 58098

Ion Ratio Lower Upper

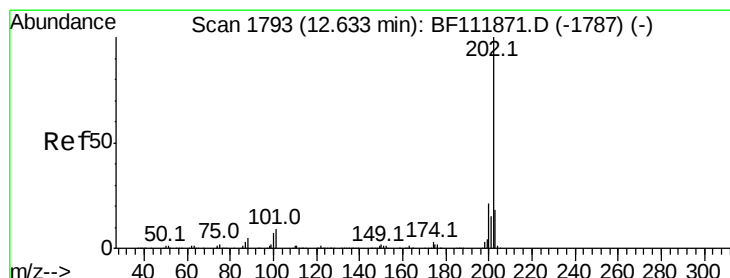
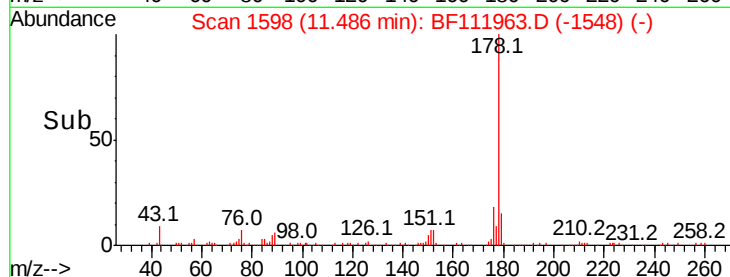
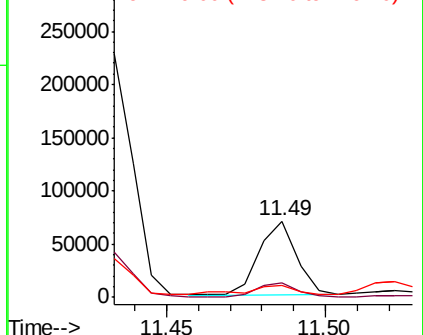
178 100

176 18.2 15.7 23.5

179 16.0 12.4 18.6



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: 11.340 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

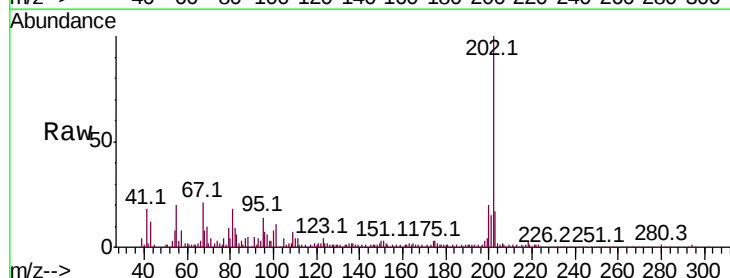
Tgt Ion:202 Resp: 212426

Ion Ratio Lower Upper

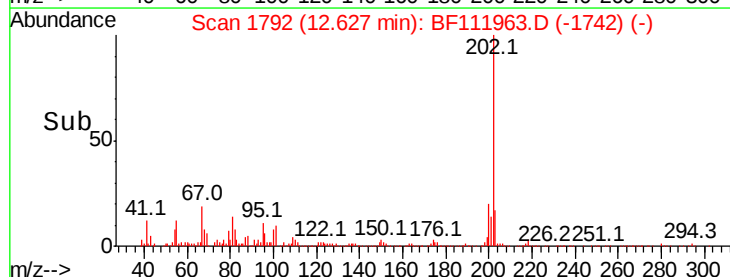
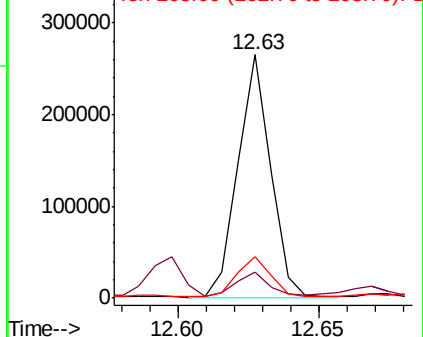
202 100

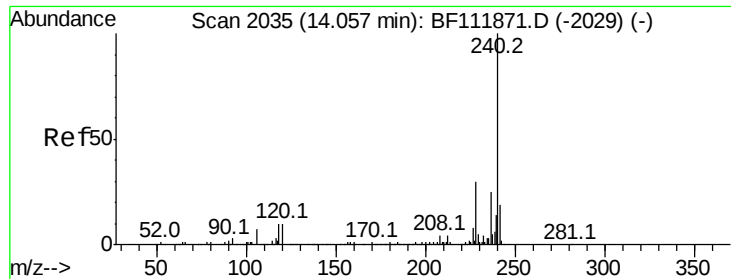
101 10.6 0.0 29.3

203 17.2 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

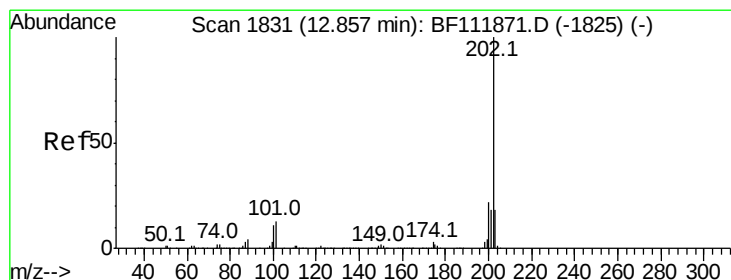
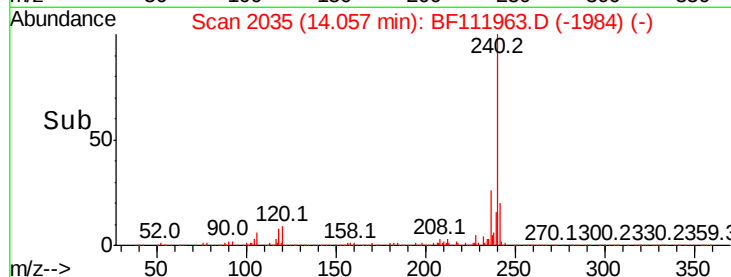
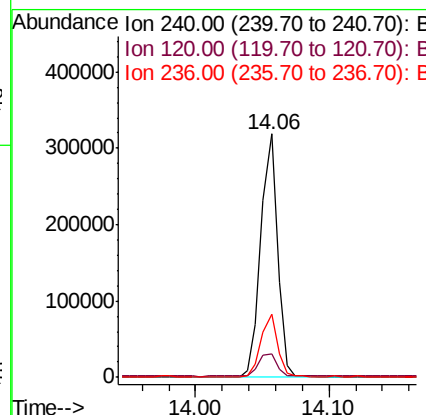
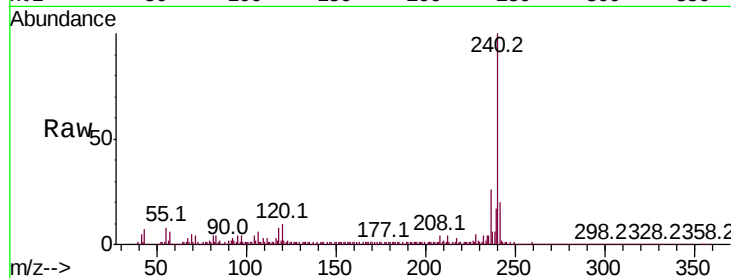




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

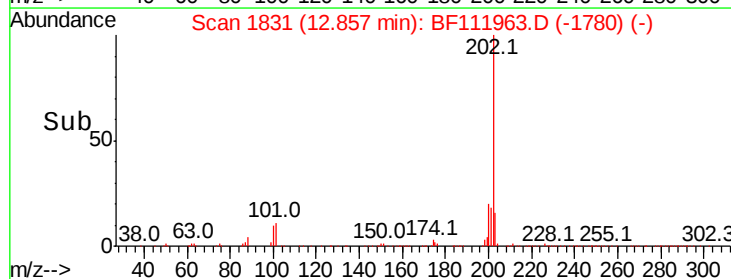
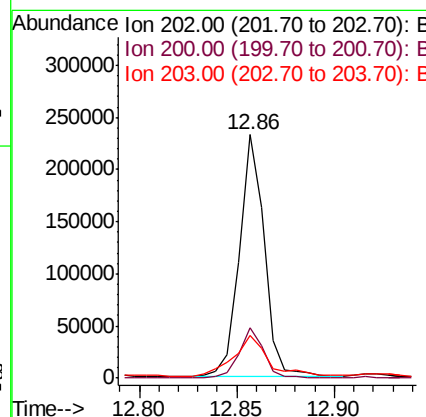
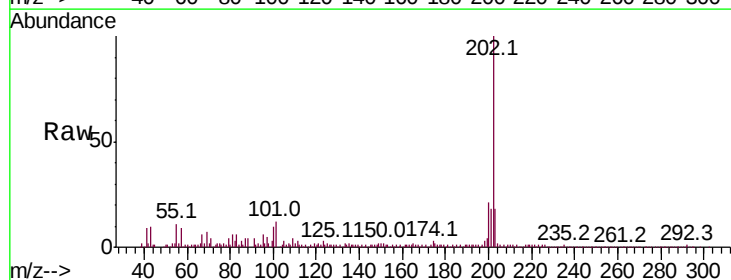
Instrument :
BNA_F
ClientSampleId :

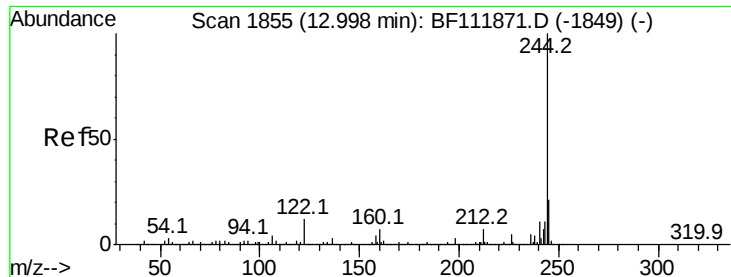
Tot Ion:240 Resp: 271914
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.8 20.2 30.4



#78
Pyrene
Concen: 10.994 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:202 Resp: 205699
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.7 14.6 21.8





#79

Terphenyl-d14

Concen: 57.934 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

Instrument :

BNA_F

ClientSampleId :

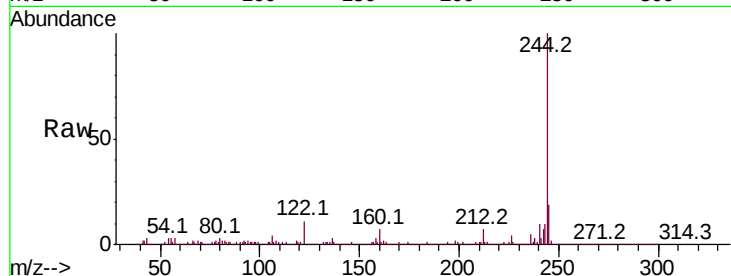
Tot Ion:244 Resp: 829887

Ion Ratio Lower Upper

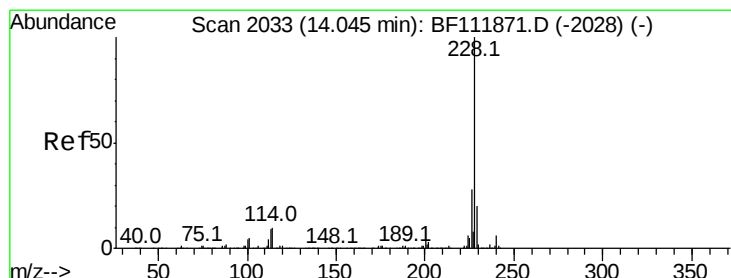
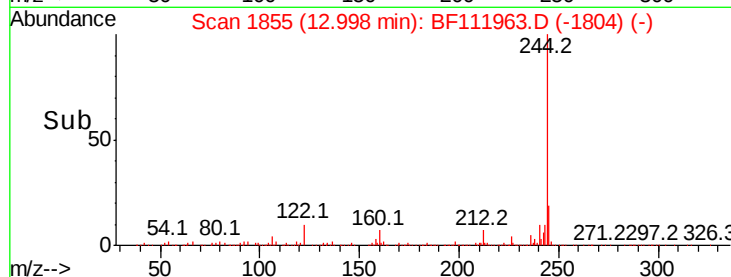
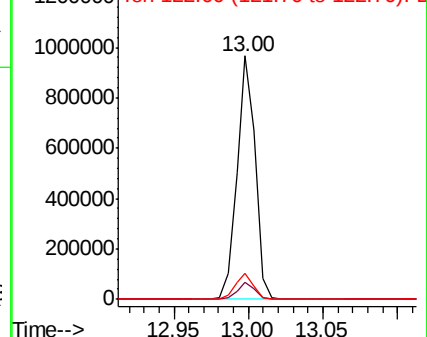
244 100

212 7.0 5.8 8.8

122 10.5 9.5 14.3



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: 4.566 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF111963.D

Acq: 9 Jan 2019 21:31

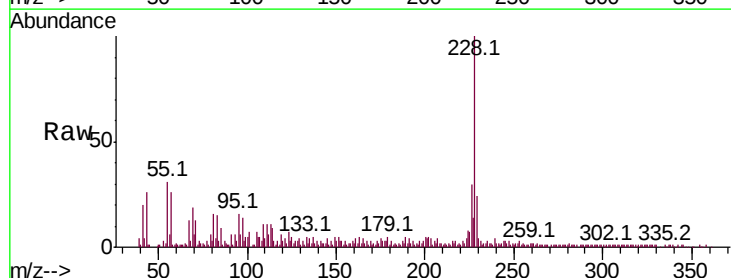
Tgt Ion:228 Resp: 71460

Ion Ratio Lower Upper

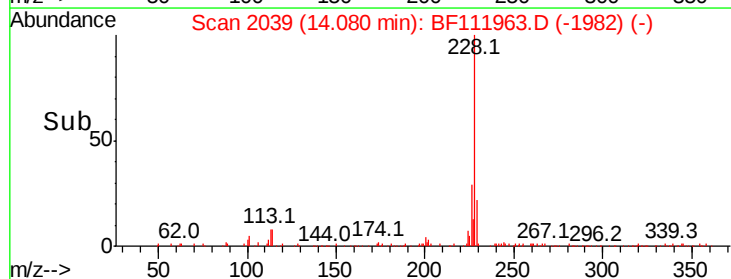
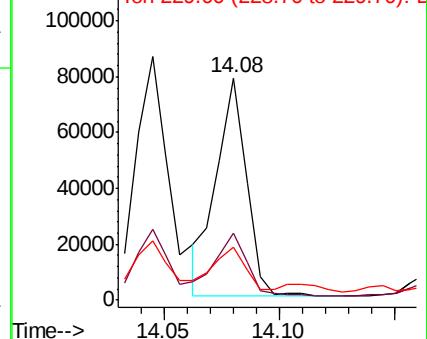
228 100

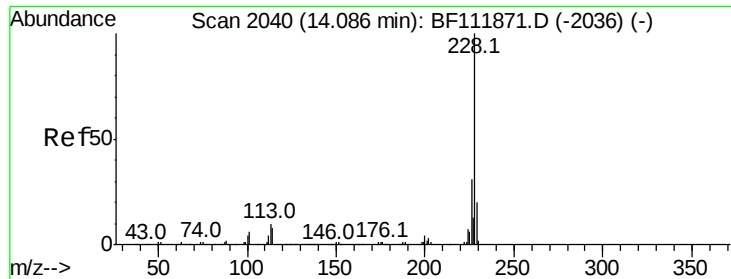
226 30.3 22.2 33.2

229 23.8 16.2 24.2



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

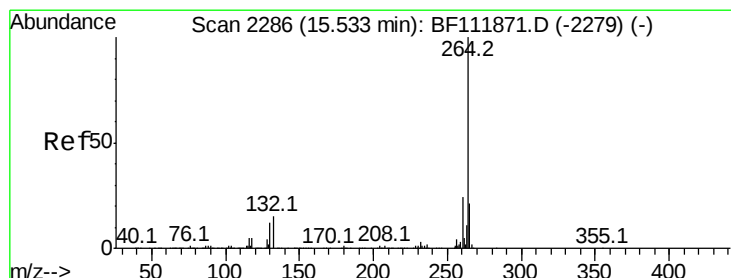
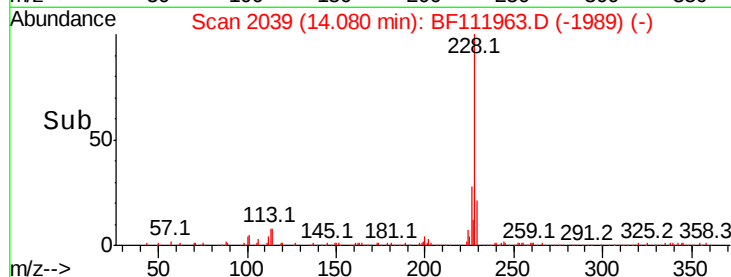
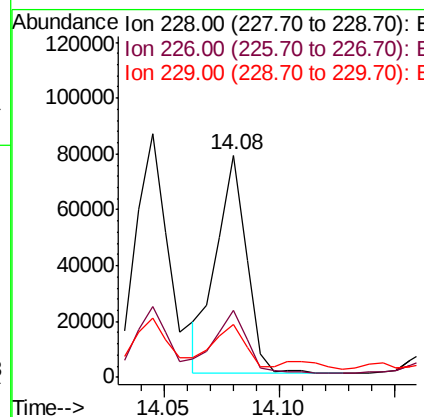
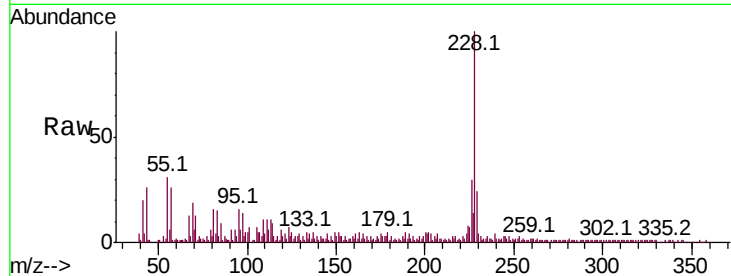




#83
Chrysene
Concen: 4.789 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

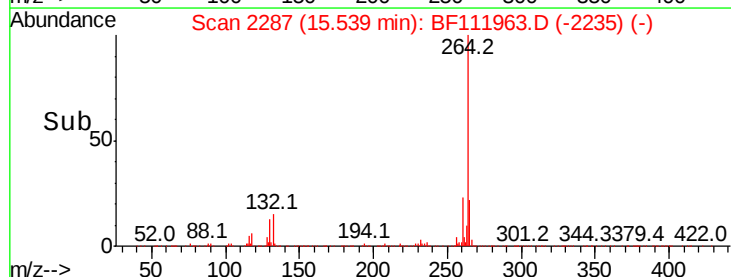
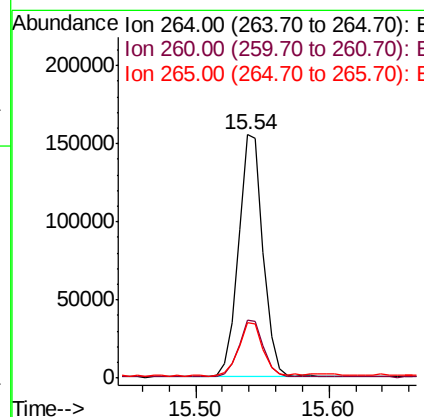
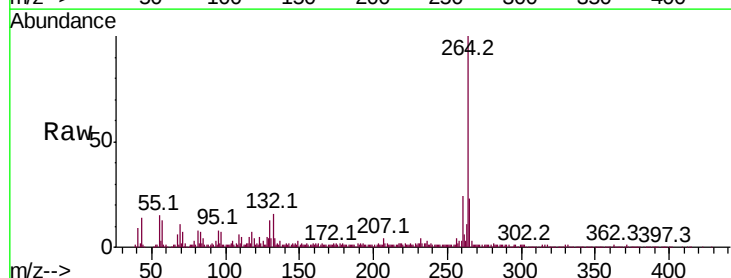
Instrument :
BNA_F
ClientSampled :

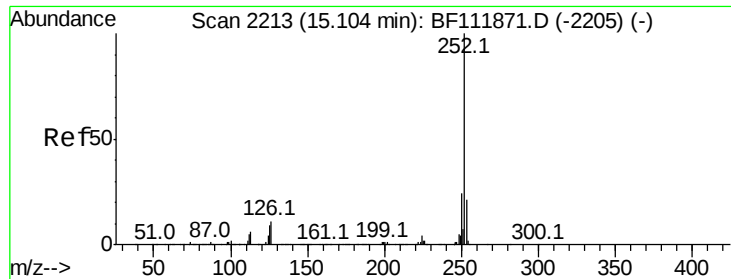
Tot Ion:228 Resp: 71460
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 23.8 15.7 23.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:264 Resp: 199139
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 23.0 17.1 25.7

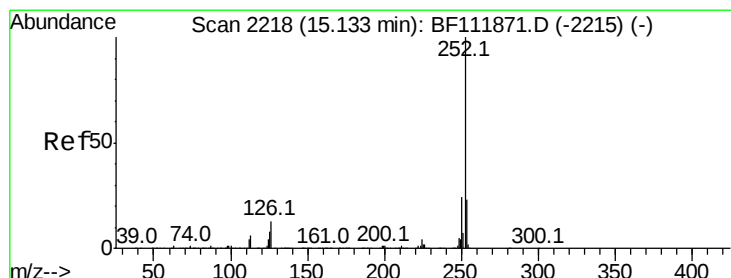
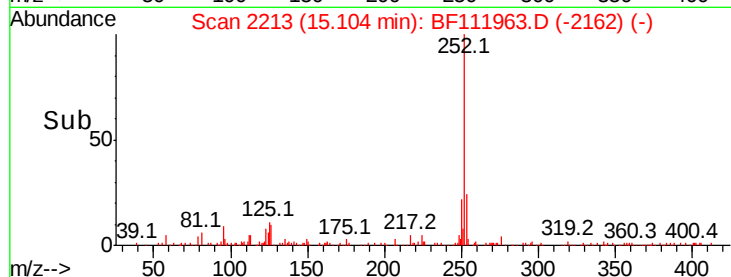
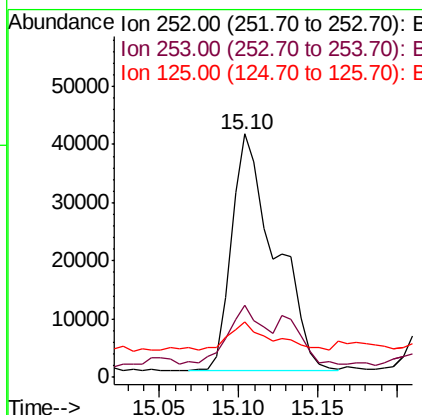
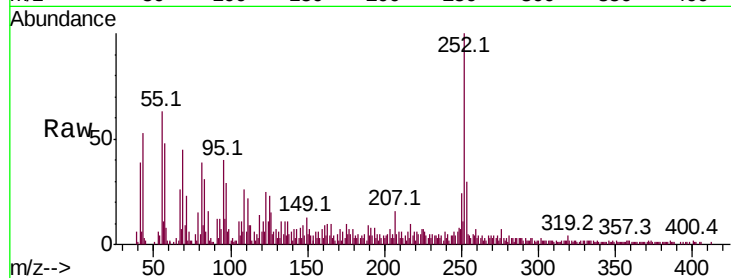




#88
Benzo(b)fluoranthene
Concen: 6.538 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

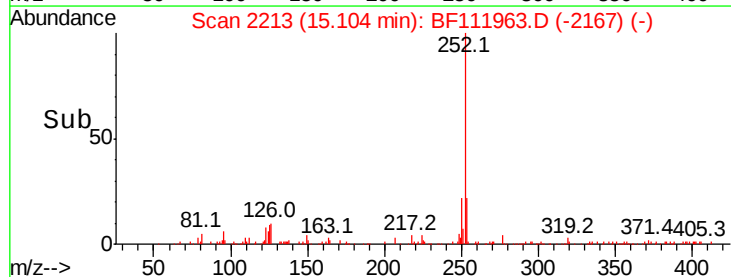
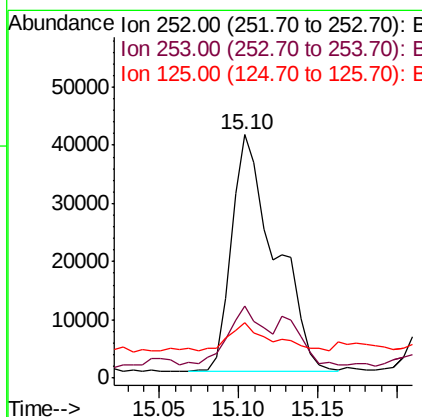
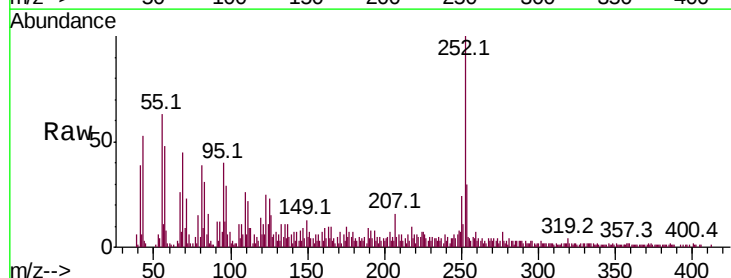
Instrument :
BNA_F
ClientSampleId :

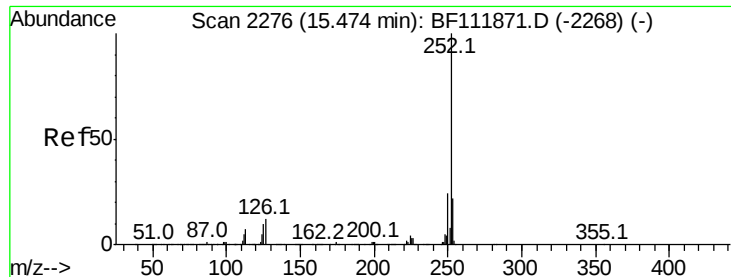
Tot Ion:252 Resp: 77886
Ion Ratio Lower Upper
252 100
253 29.9 17.0 25.6#
125 22.6 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 6.956 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion:252 Resp: 77886
Ion Ratio Lower Upper
252 100
253 29.9 17.8 26.6#
125 22.6 7.0 10.4#

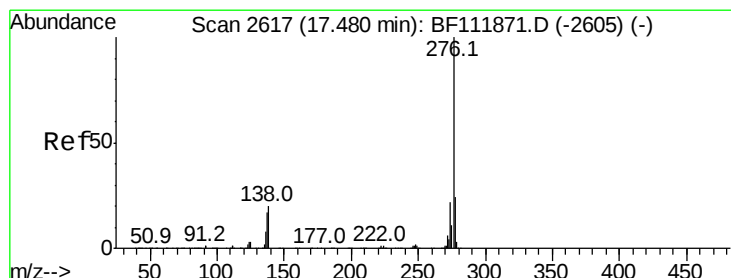
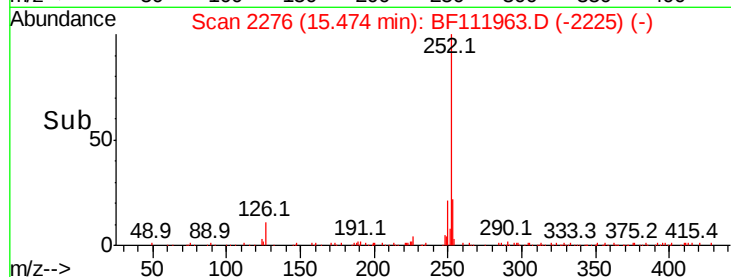
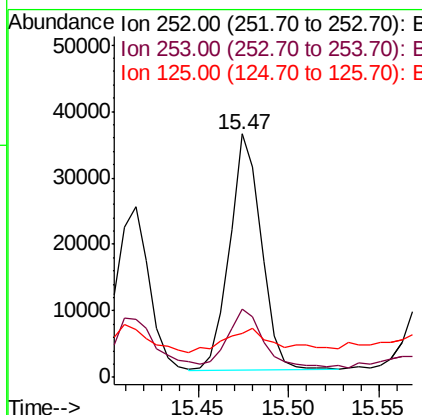
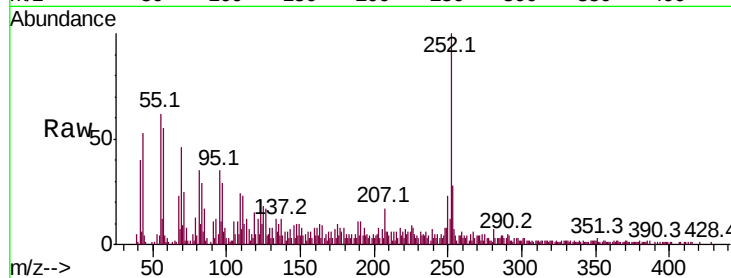




#90
Benzo(a)pyrene
Concen: 4.100 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.4	26.2#
125	18.3	7.9	11.9#



#92
Benzo(g,h,i)perylene
Concen: 2.907 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.02 min
Lab File: BF111963.D
Acq: 9 Jan 2019 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	19.0	28.6
138	24.6	16.2	24.2#

