

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109106.D
 Acq On : 18 Sep 2018 20:02
 Operator : JU/SJ
 Sample : J4952-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:03:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

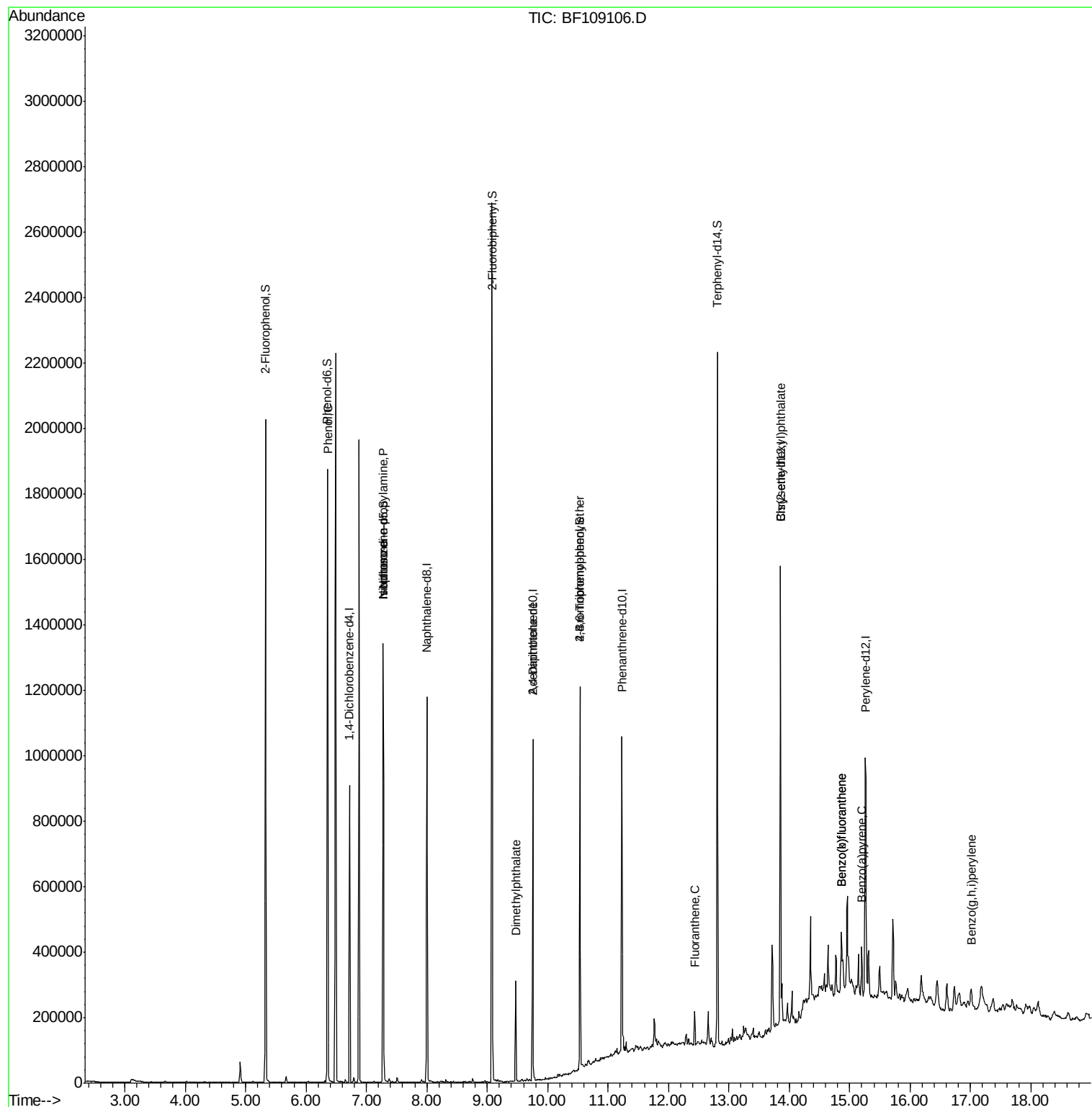
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128833	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	466878	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	200347	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	340110	20.00	ng	0.00
75) Chrysene-d12	13.85	240	352465	20.00	ng	0.00
86) Perylene-d12	15.26	264	348539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	524046	67.56	ng	0.00
7) Phenol-d6	6.35	99	677511	67.74	ng	0.00
23) Nitrobenzene-d5	7.28	82	418157	50.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	146332	67.30	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	759843	59.42	ng	0.00
78) Terphenyl-d14	12.81	244	689332	46.36	ng	0.00
Target Compounds						
10) Phenol	6.37	94	41540	3.691	ng	93
19) n-Nitroso-di-n-propylamine	7.28	70	55311	8.366	ng	# 77
25) Isophorone	7.28	82	418150	29.224	ng	# 64
49) Dimethylphthalate	9.47	163	119094	8.317	ng	98
56) 2,4-Dinitrotoluene	9.75	165	25679	6.183	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	8803	2.296	ng	# 1
74) Fluoranthene	12.44	202	38874	2.209	ng	95
83) Bis(2-ethylhexyl)phthalate	13.85	149	75310	5.319	ng	98
87) Benzo(b)fluoranthene	14.86	252	129509	6.717	ng	# 94
88) Benzo(k)fluoranthene	14.86	252	129509	7.191	ng	# 97
89) Benzo(a)pyrene	15.20	252	71995	4.204	ng	# 96
91) Benzo(a,h,i)perylene	17.01	276	49257	3.425	ng	93

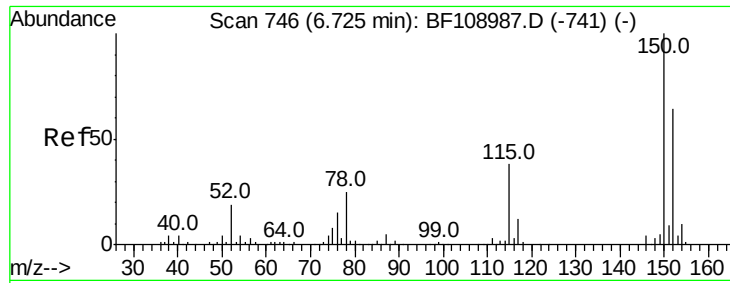
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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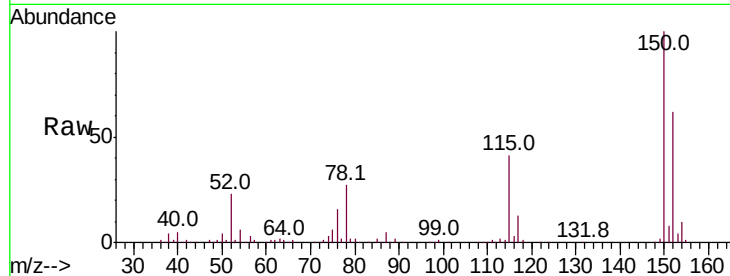


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	66.3	50.1	75.1

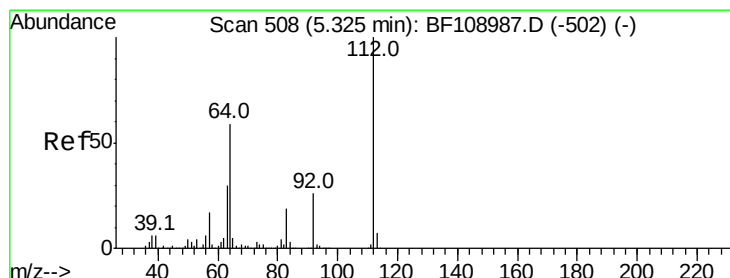
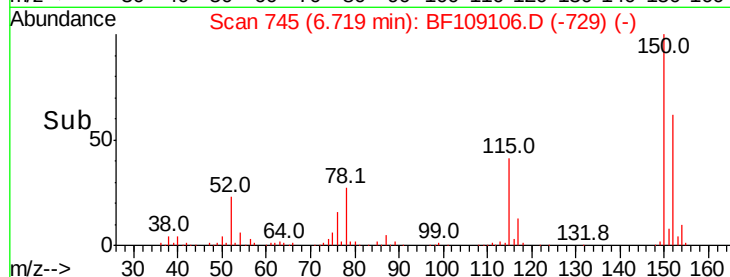
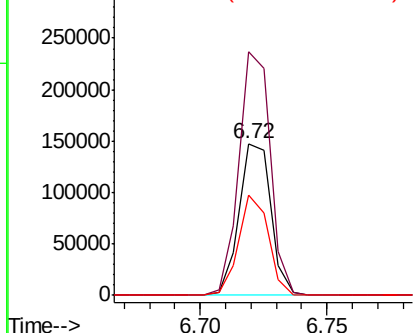


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

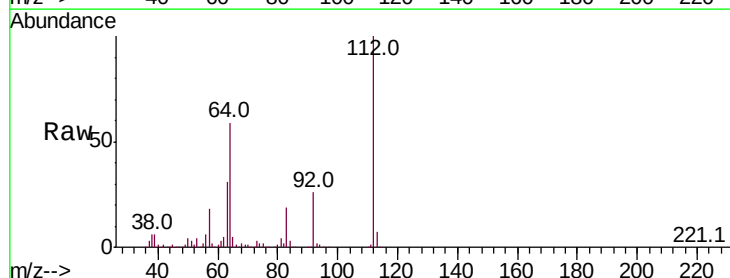
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 67.559 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	30.5	23.7	35.5

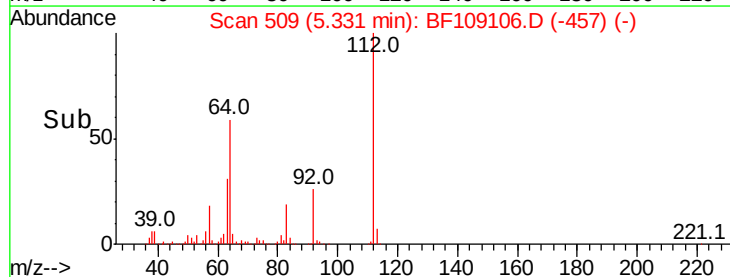
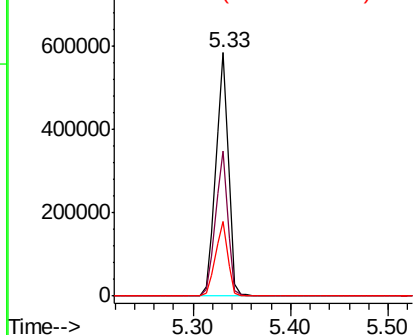


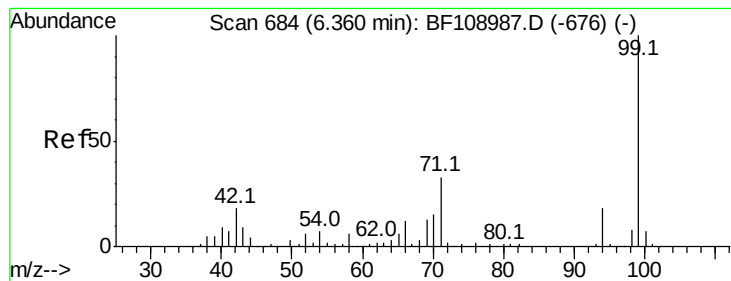
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 67.737 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109106.D

Acq: 18 Sep 2018 20:02

Instrument :

BNA_F

ClientSampleId :

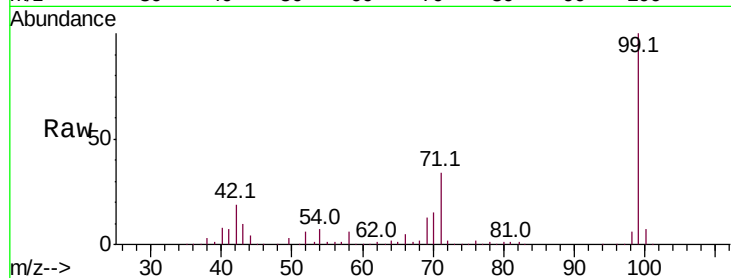
Tot Ion: 99 Resp: 677511

Ion Ratio Lower Upper

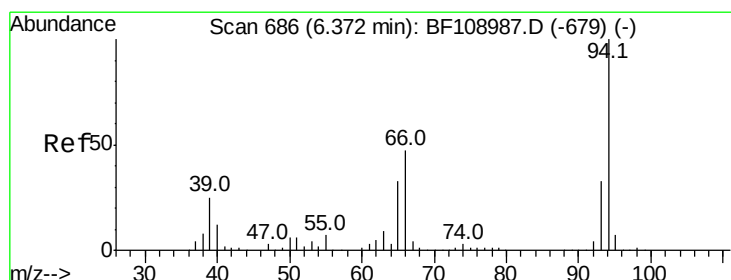
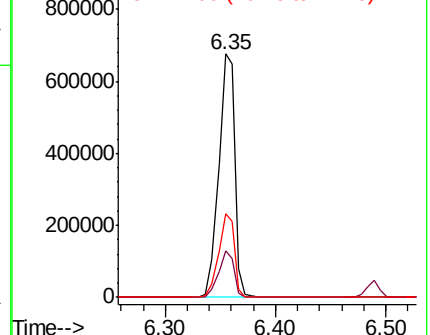
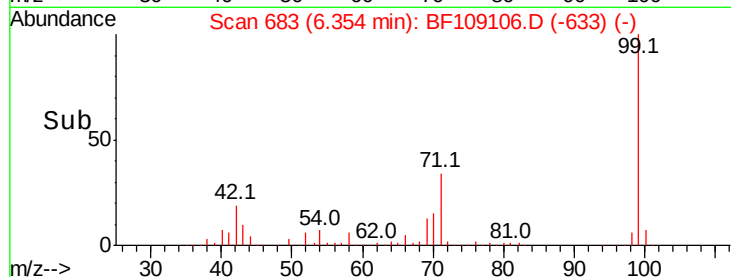
99 100

42 19.0 14.5 21.7

71 34.1 25.4 38.0



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



#10

Phenol

Concen: 3.691 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF109106.D

Acq: 18 Sep 2018 20:02

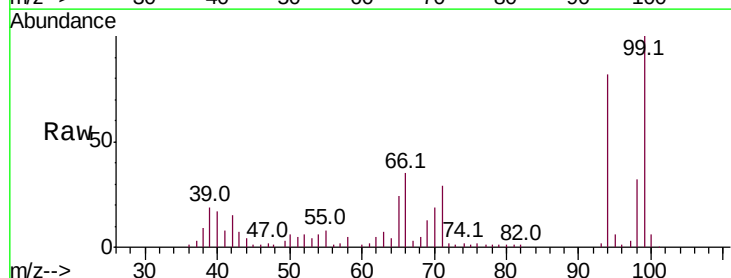
Tgt Ion: 94 Resp: 41540

Ion Ratio Lower Upper

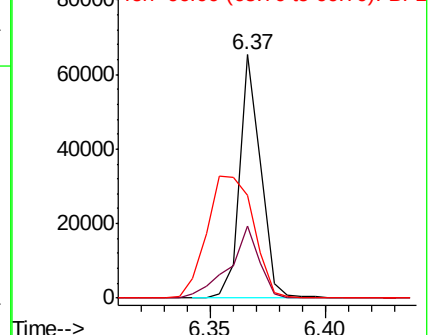
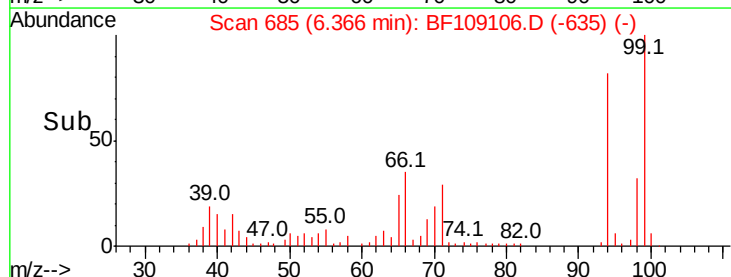
94 100

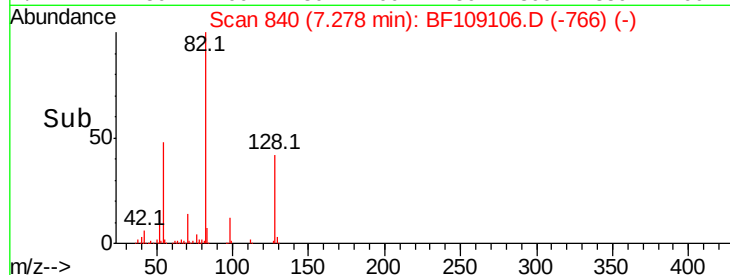
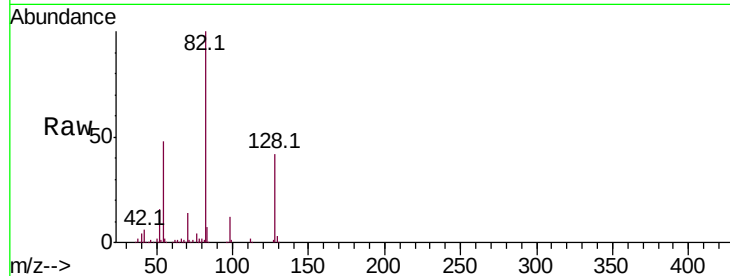
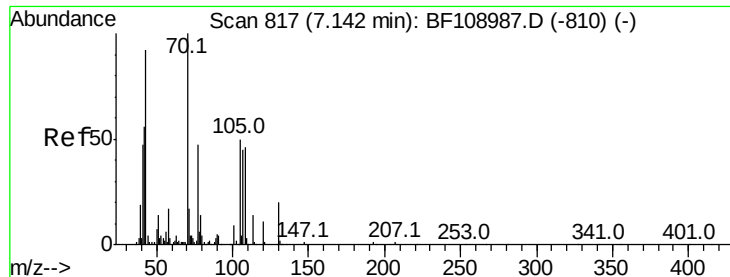
65 29.7 7.9 47.9

66 42.4 16.2 56.2



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

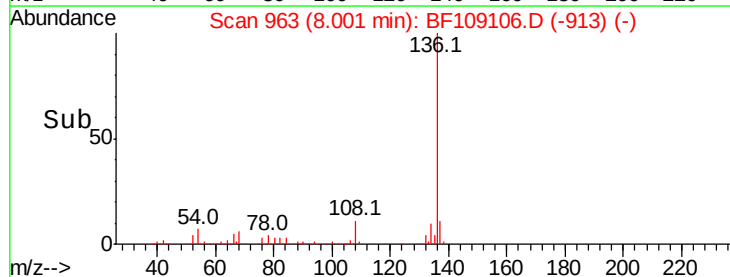
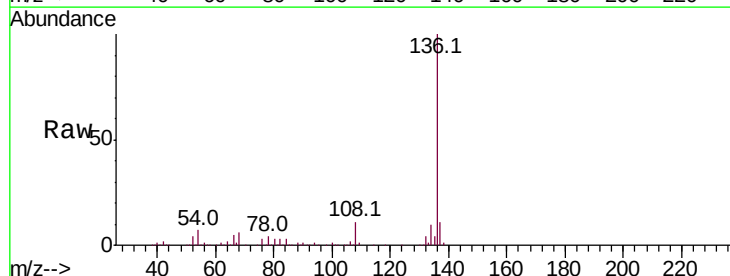
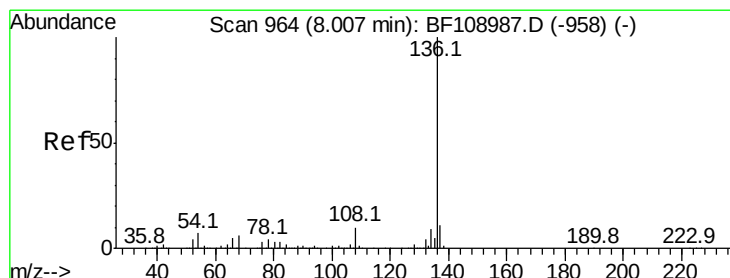
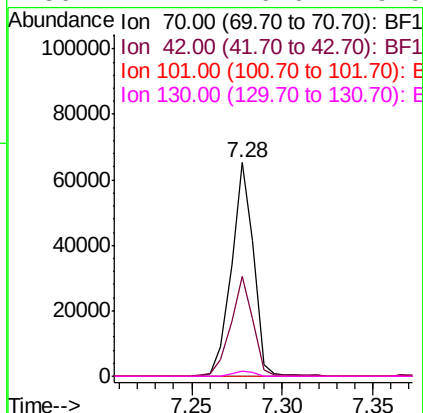




#19
n-Nitroso-di-n-propylamine
Concen: 8.366 ng
RT: 7.28 min Scan# 840
Delta R.T. 0.14 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

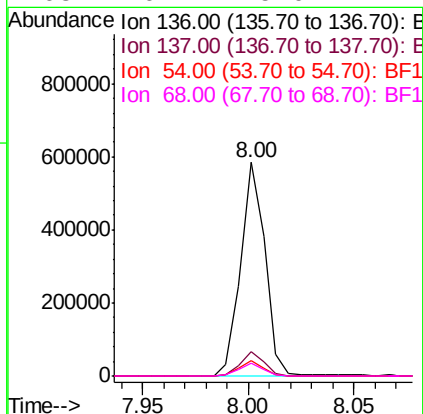
Instrument :
BNA_F
ClientSampleId :

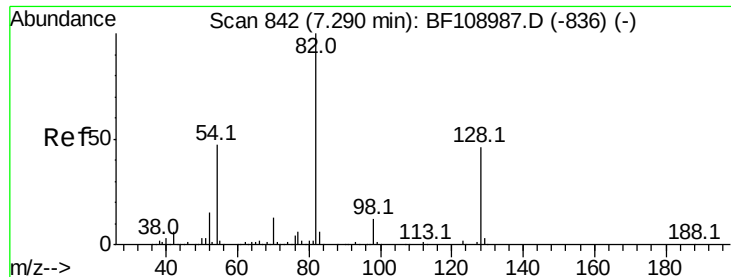
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	6.2	5.0	7.4

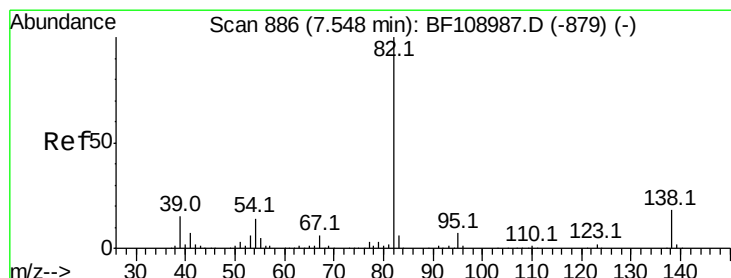
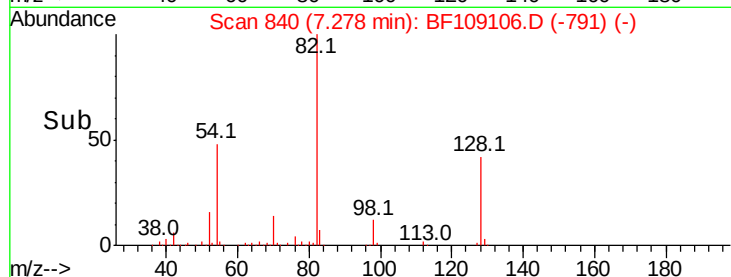
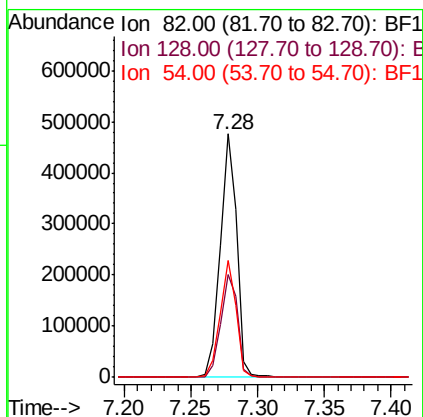
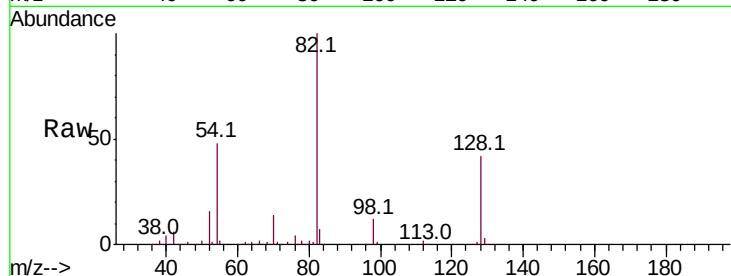




#23
 Nitrobenzene-d5
 Concen: 50.235 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

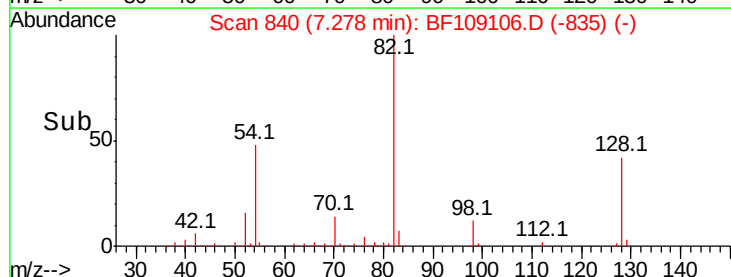
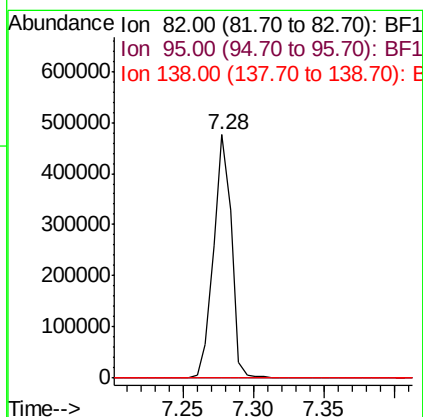
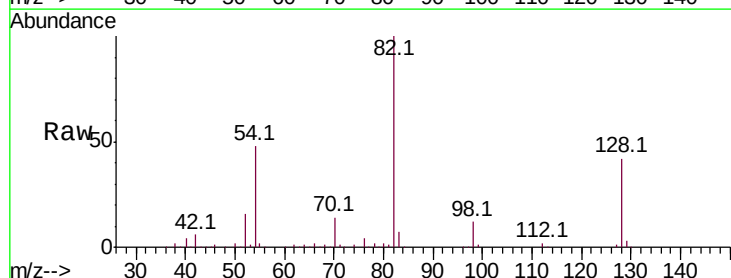
Instrument :
 BNA_F
 ClientSampleId :

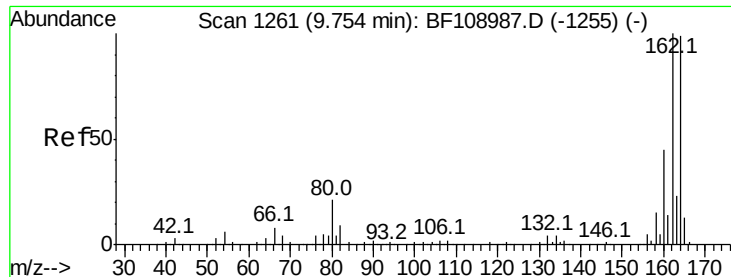
Tot Ion	82	Resp	418157
Ion Ratio	Lower	Upper	
82	100		
128	42.4	36.1	54.1
54	48.2	41.4	62.2



#25
 Isophorone
 Concen: 29.224 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.27 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Tgt Ion	82	Resp	418150
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

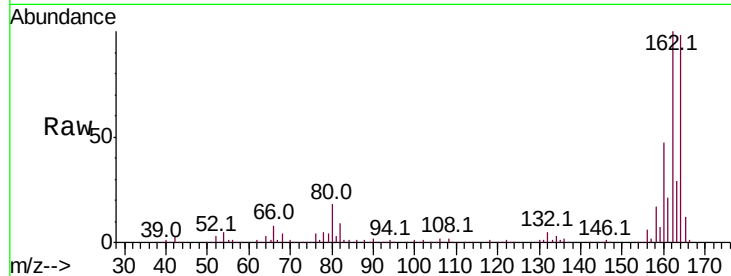




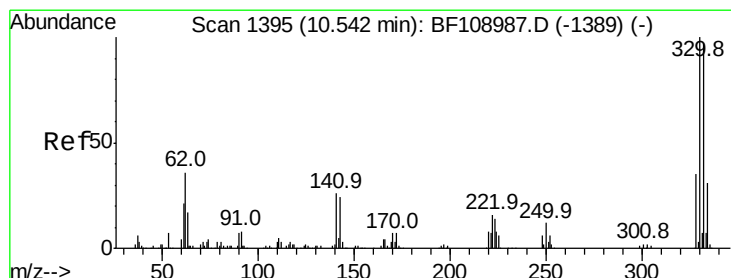
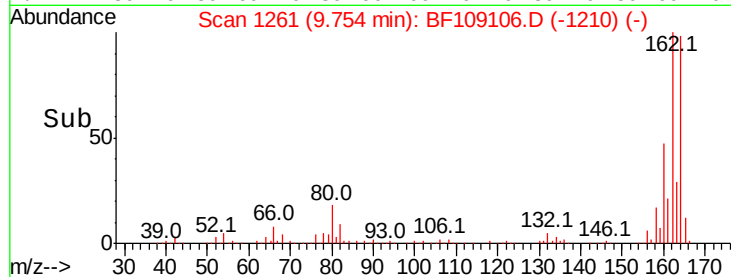
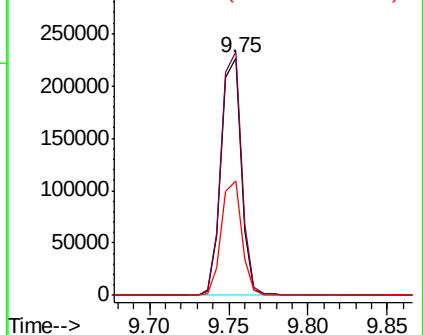
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	47.9	38.3	57.5

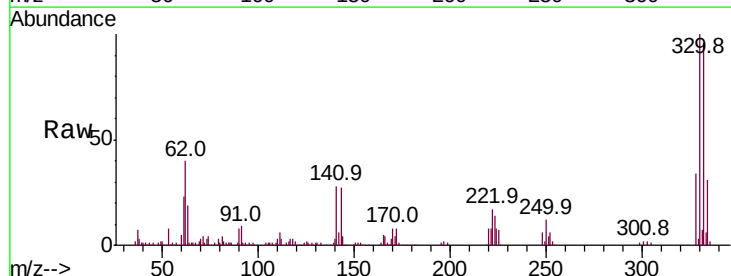


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

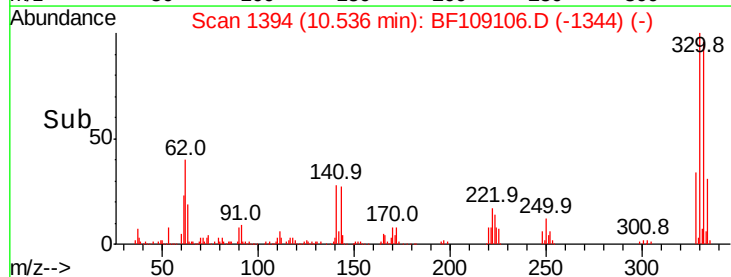
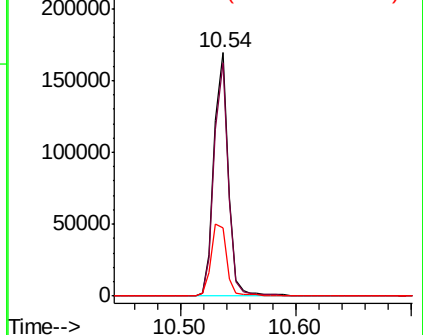


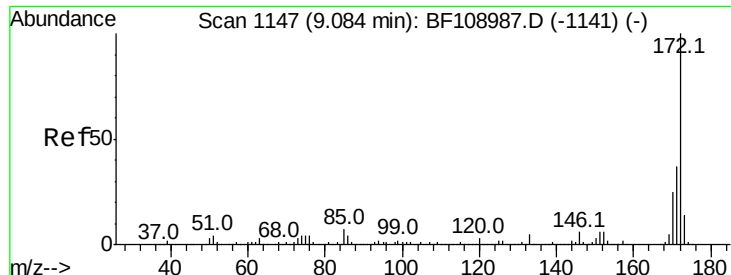
#41
 2,4,6-Tribromophenol
 Concen: 67.301 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	32.9	29.9	44.9



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

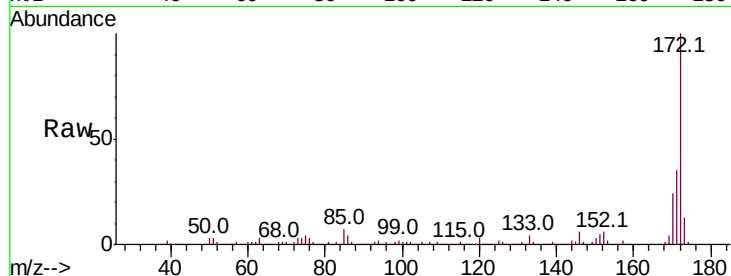




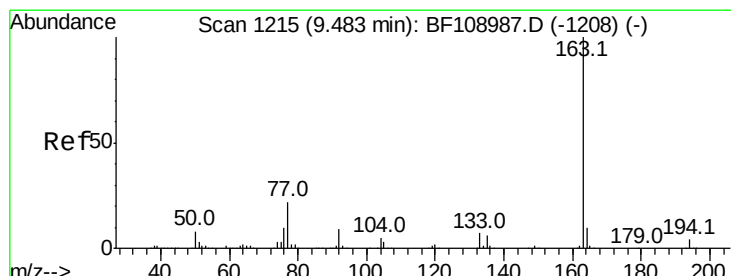
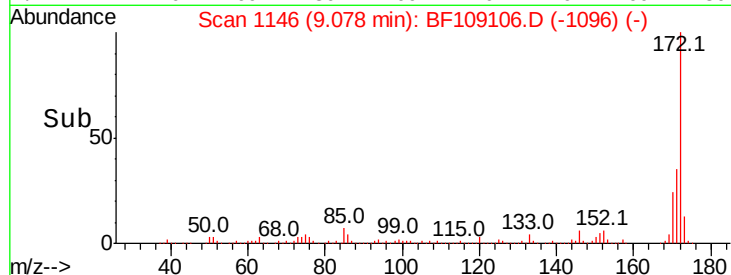
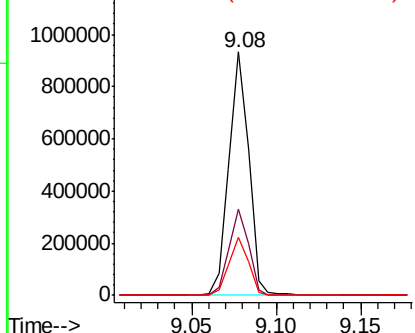
#44
 2-Fluorobiphenyl
 Concen: 59.420 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4

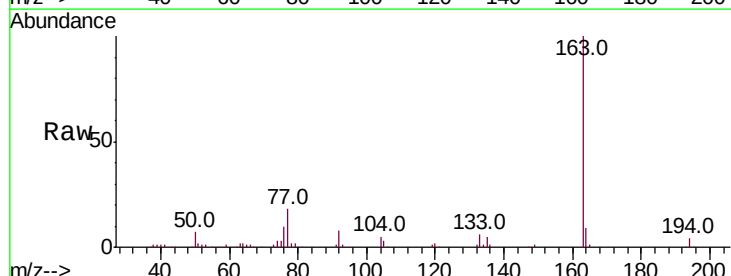


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

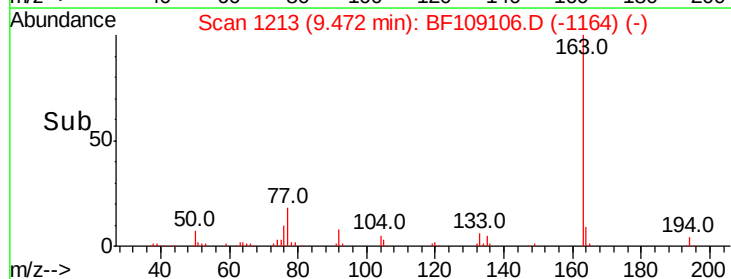
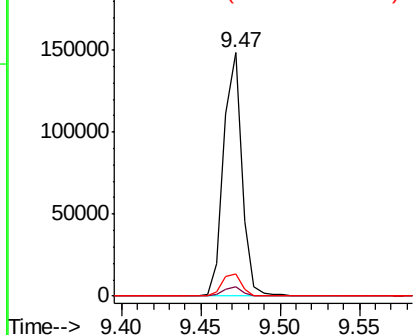


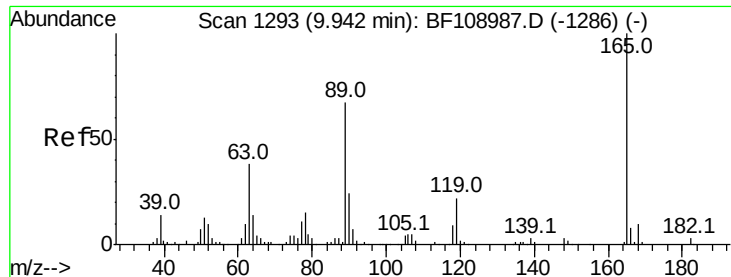
#49
 Dimethylphthalate
 Concen: 8.317 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.3	8.2	12.2



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

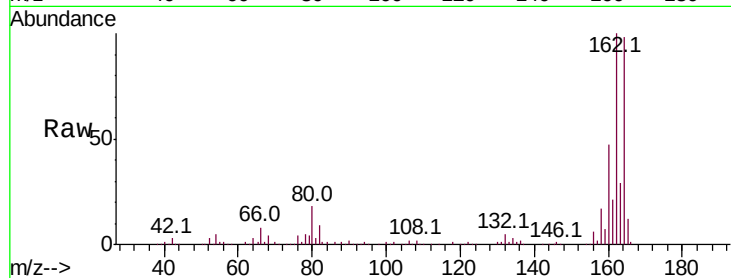




#56
 2,4-Dinitrotoluene
 Concen: 6.183 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.19 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

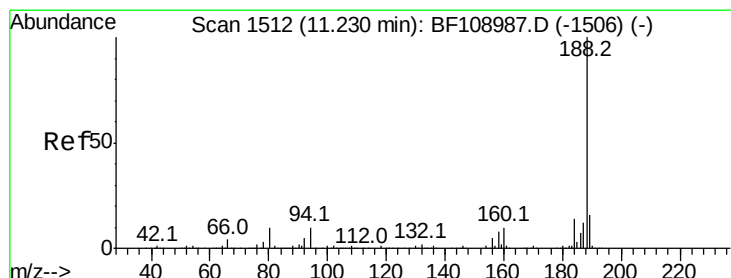
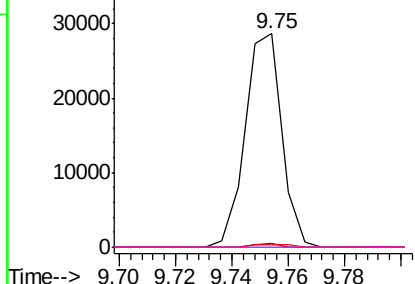
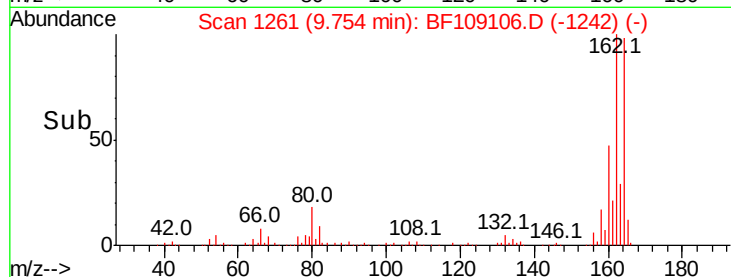


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

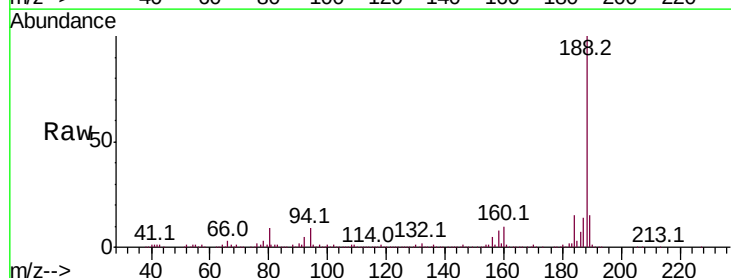
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

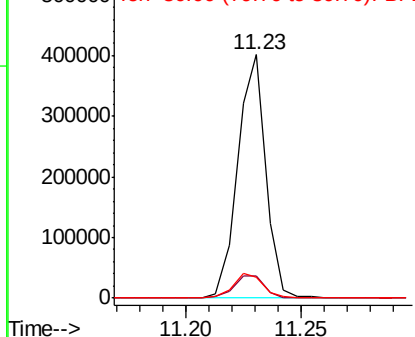
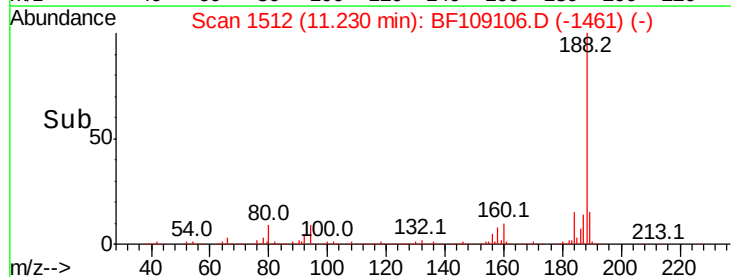
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	8.8	9.2	13.8#

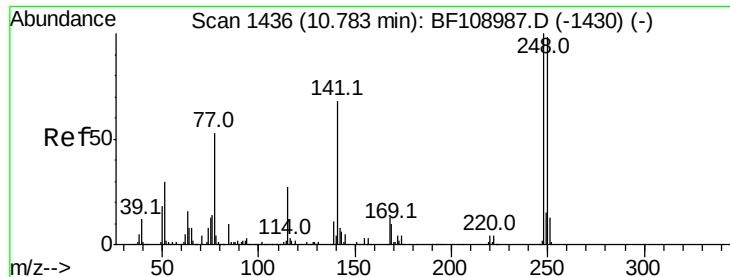


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

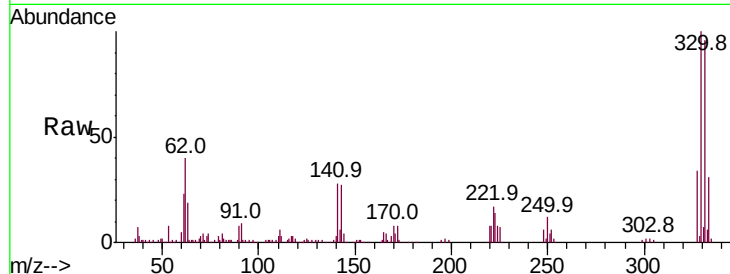




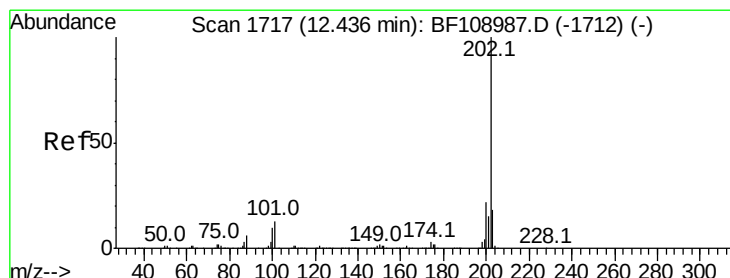
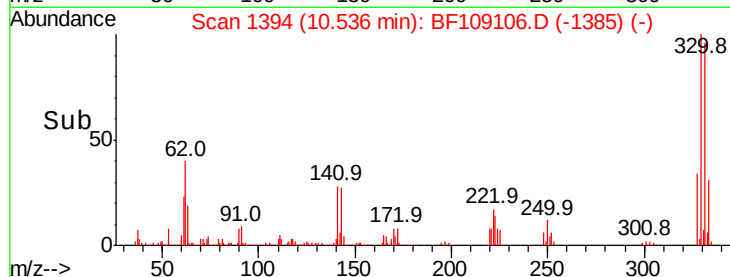
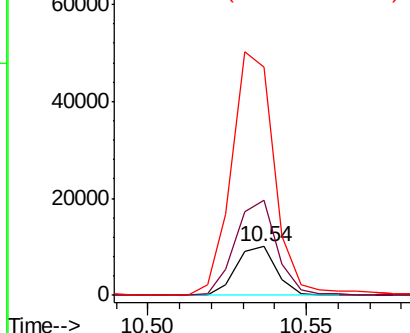
#66
4-Bromophenyl-phenylether
Concen: 2.296 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.25 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8803
Ion Ratio Lower Upper
248 100
250 193.4 76.9 115.3#
141 466.8 74.4 111.6#

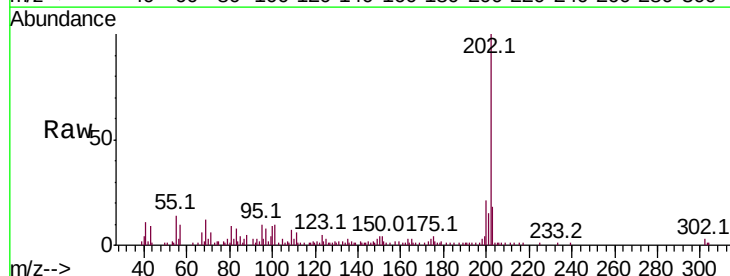


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

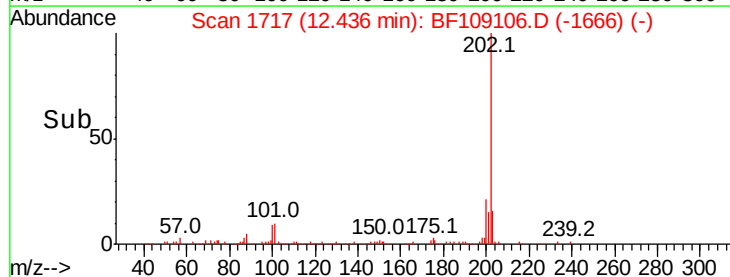
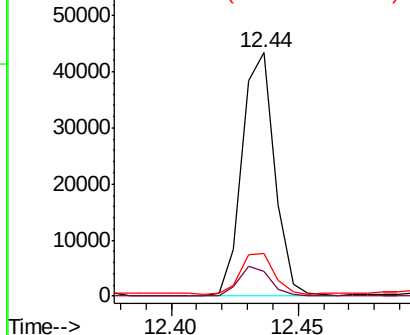


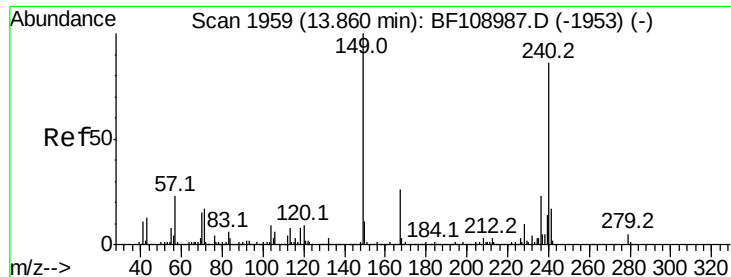
#74
Fluoranthene
Concen: 2.209 ng
RT: 12.44 min Scan# 1717
Delta R.T. 0.00 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Tgt Ion:202 Resp: 38874
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.1
203 17.5 0.0 38.1



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

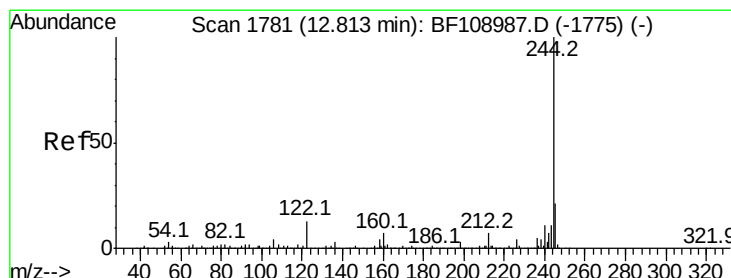
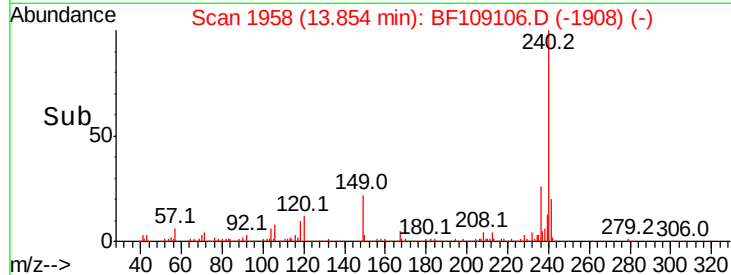
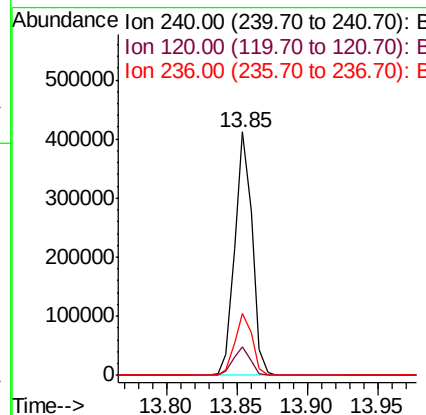
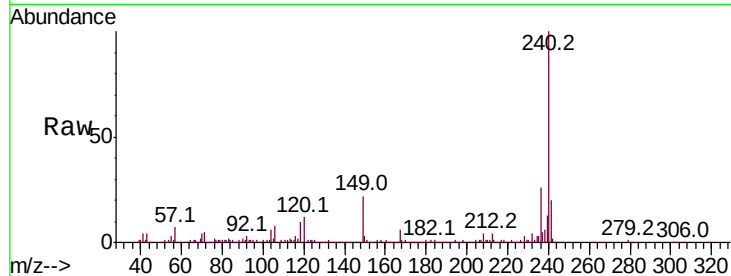




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

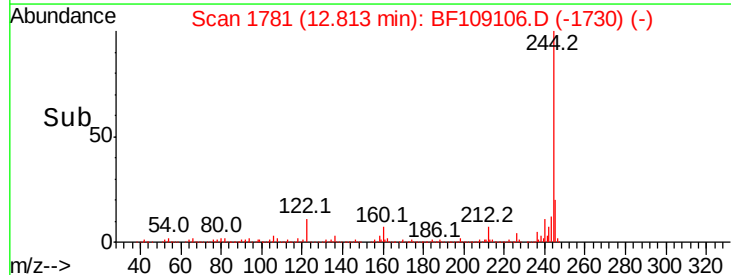
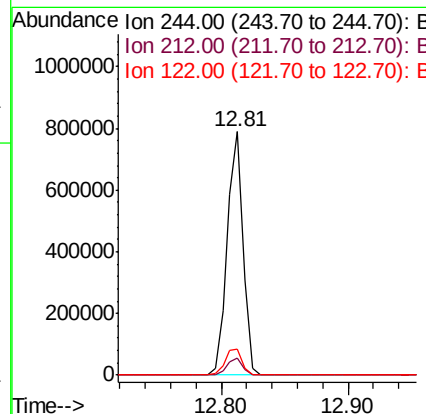
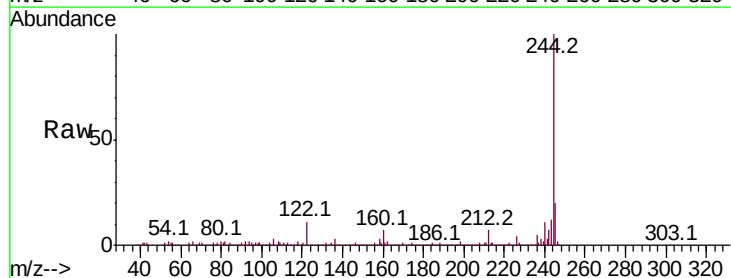
Instrument :
 BNA_F
 ClientSampled :

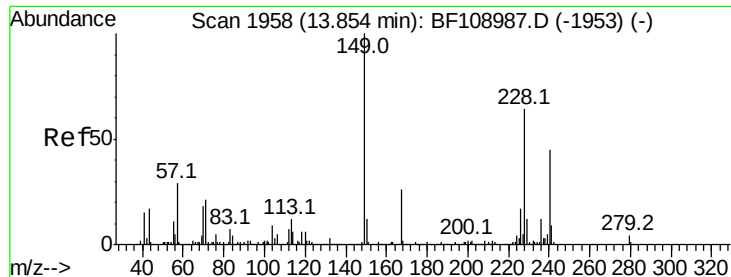
Tot Ion:240 Resp: 352465
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.5 14.3
 236 25.5 20.7 31.1



#78
 Terphenyl-d14
 Concen: 46.356 ng
 RT: 12.81 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Tgt Ion:244 Resp: 689332
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.7 11.0 16.4#

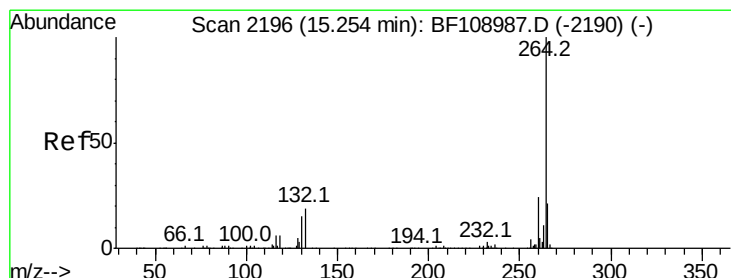
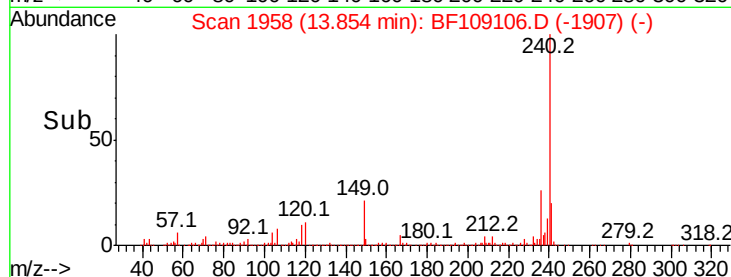
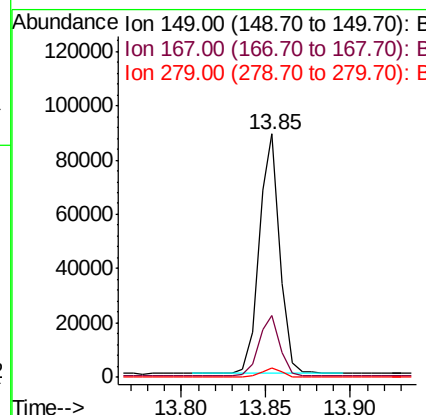
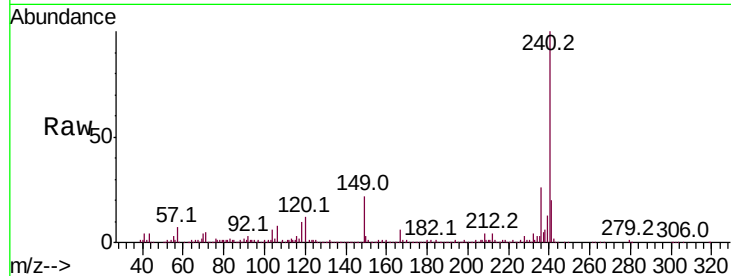




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.319 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

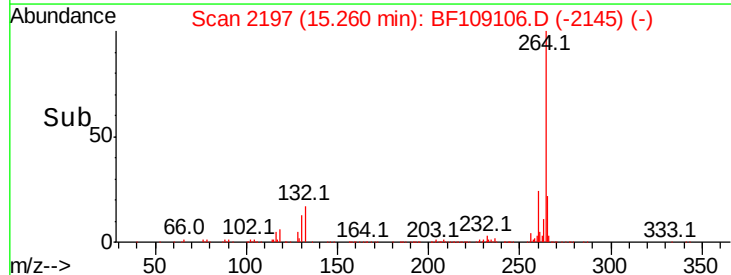
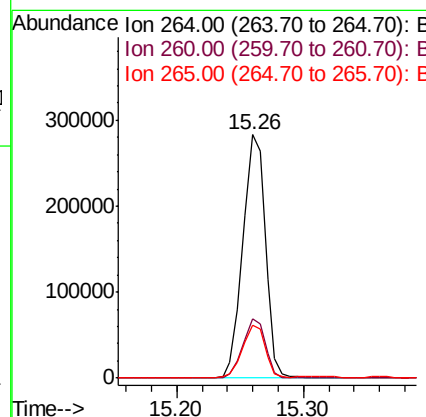
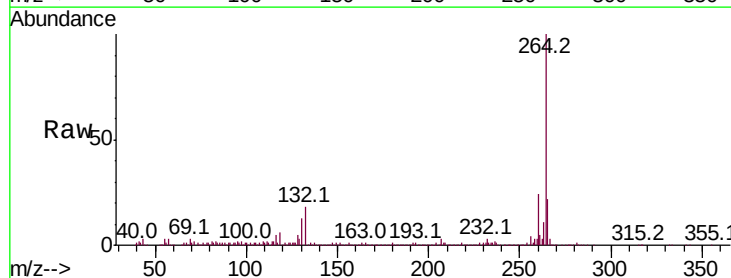
Instrument :
 BNA_F
 ClientSampleId :

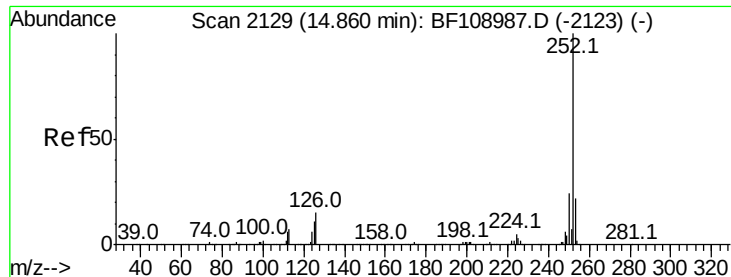
Tot Ion:149 Resp: 75310
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.3 31.9
 279 4.1 3.0 4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109106.D
 Acq: 18 Sep 2018 20:02

Tgt Ion:264 Resp: 348539
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.9 17.5 26.3

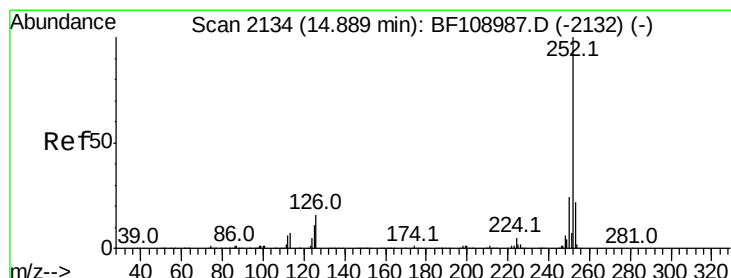
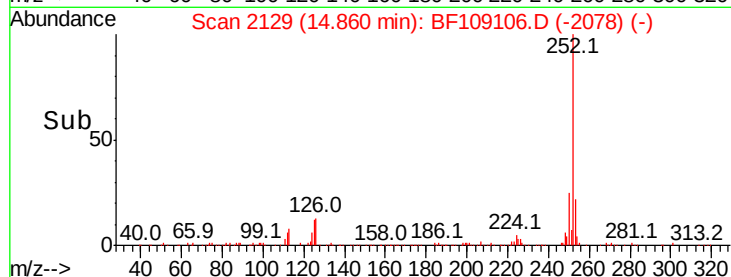
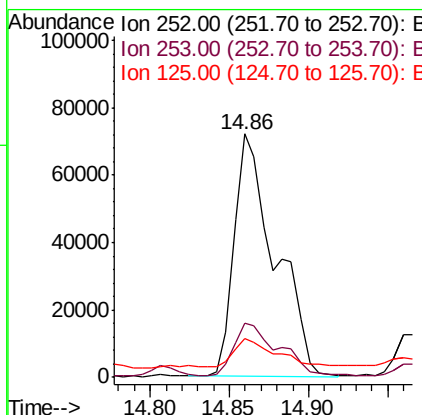
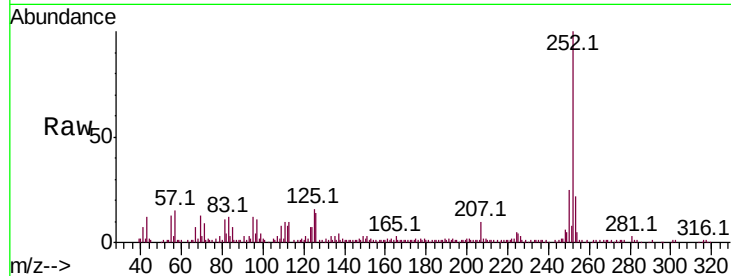




#87
Benzo(b)fluoranthene
Concen: 6.717 ng
RT: 14.86 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

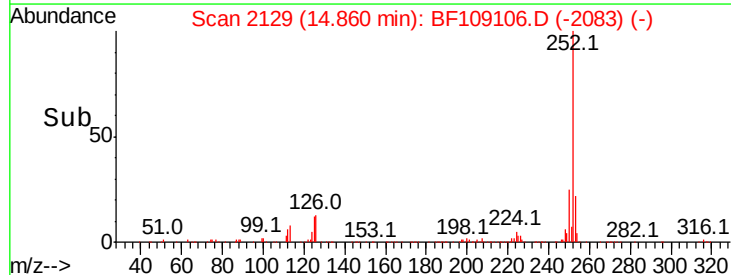
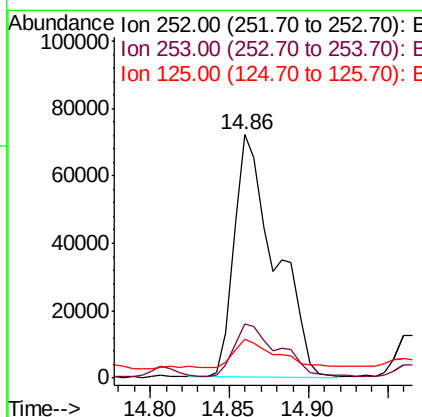
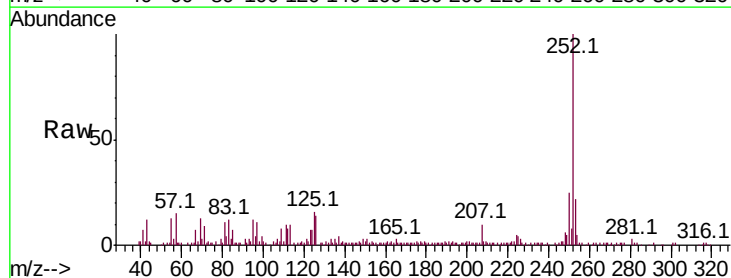
Instrument :
BNA_F
ClientSampleId :

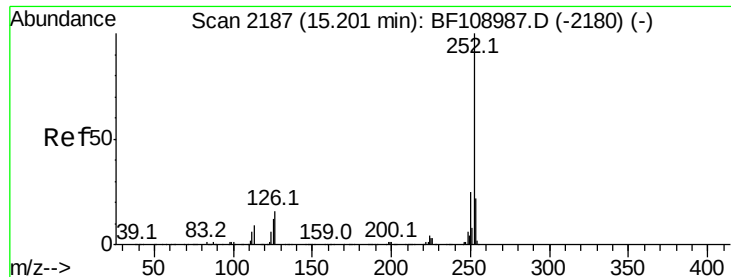
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	16.2	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 7.191 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109106.D
Acq: 18 Sep 2018 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	16.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 4.204 ng

RT: 15.20 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BF109106.D

Acq: 18 Sep 2018 20:02

Instrument :

BNA_F

ClientSampleId :

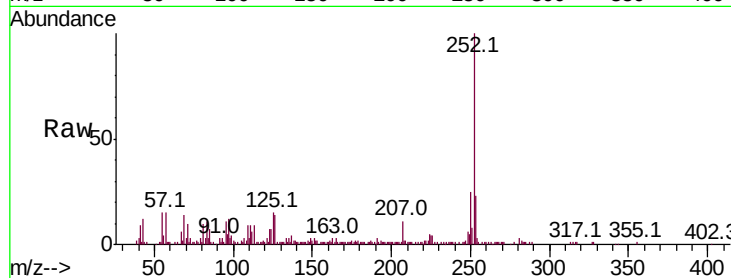
Tot Ion:252 Resp: 71995

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

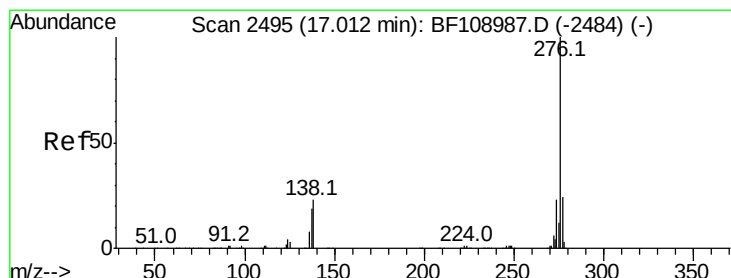
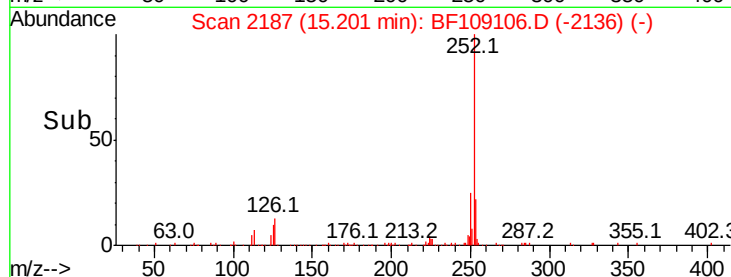
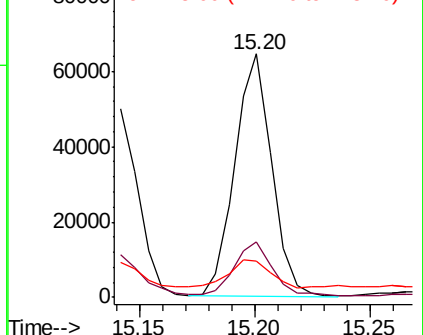
125 15.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.425 ng

RT: 17.01 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BF109106.D

Acq: 18 Sep 2018 20:02

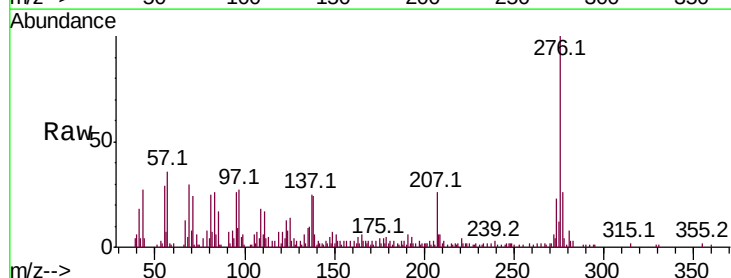
Tgt Ion:276 Resp: 49257

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 23.5 21.8 32.8



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

