

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109142.D
 Acq On : 19 Sep 2018 14:42
 Operator : JU/SJ
 Sample : J4967-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 15:06:06 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	156172	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	585248	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267448	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	453093	20.00	ng	0.00
75) Chrysene-d12	13.85	240	278449	20.00	ng	0.00
86) Perylene-d12	15.27	264	418202	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	761051	80.94	ng	0.01
7) Phenol-d6	6.36	99	983846	81.14	ng	0.00
23) Nitrobenzene-d5	7.28	82	648315	62.13	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	206422	71.12	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1065715	62.43	ng	0.00
78) Terphenyl-d14	12.81	244	802897	68.35	ng	0.00

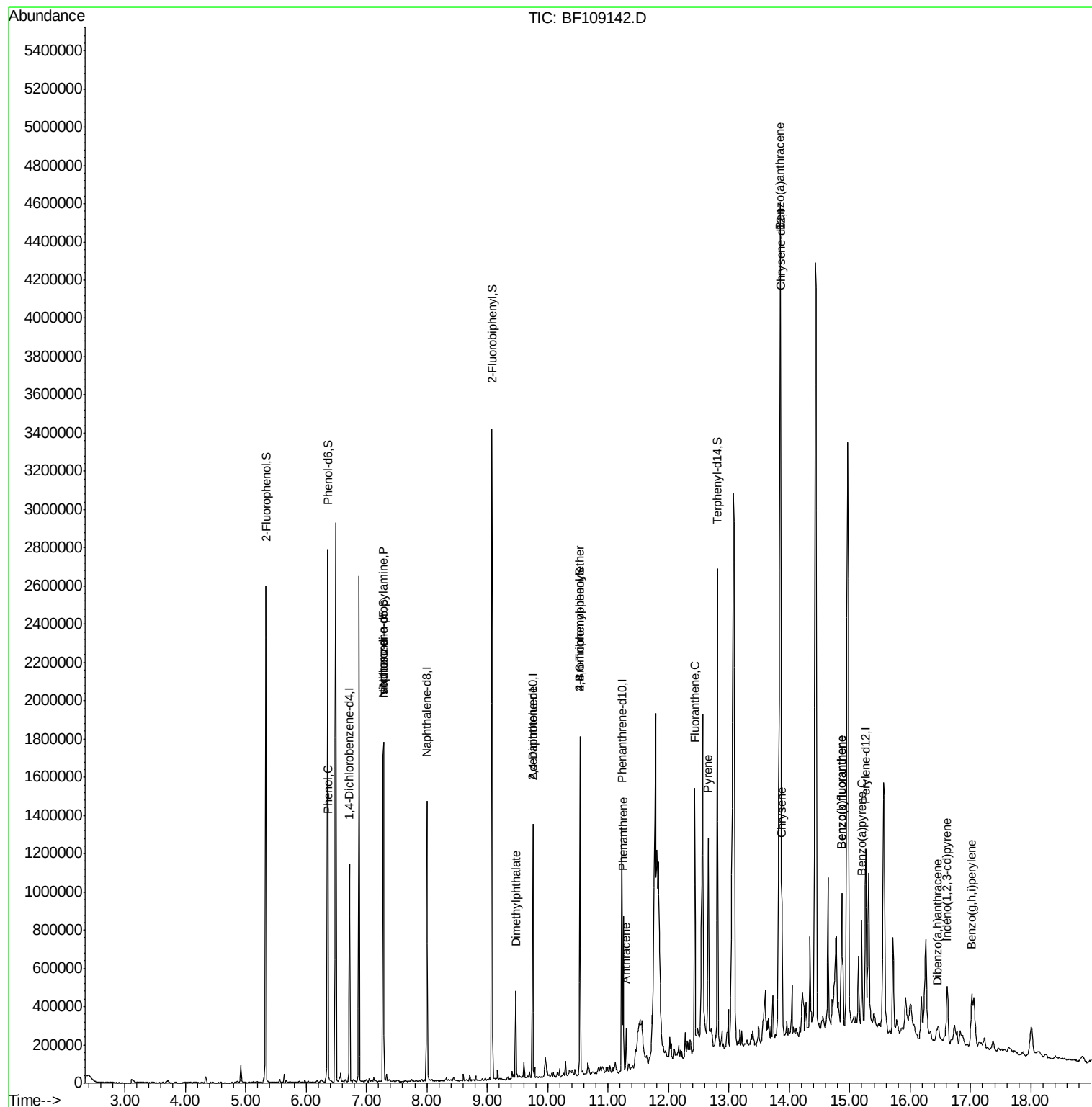
Target Compounds				Qvalue		
10) Phenol	6.37	94	27309	2.002	ng	98
19) n-Nitroso-di-n-propylamine	7.28	70	89545	11.173	ng	# 75
25) Isophorone	7.28	82	643671	35.886	ng	# 64
49) Dimethylphthalate	9.47	163	172292	9.013	ng	100
56) 2,4-Dinitrotoluene	9.75	165	34697	6.259	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	12710	2.488	ng	# 1
70) Phenanthrene	11.25	178	300909	13.548	ng	99
71) Anthracene	11.30	178	75769	3.365	ng	98
74) Fluoranthene	12.44	202	490070	20.900	ng	96
77) Pyrene	12.66	202	440034	21.275	ng	99
80) Benzo(a)anthracene	13.84	228	201140	11.931	ng	94
82) Chrysene	13.88	228	230788	13.683	ng	96
85) Indeno(1,2,3-cd)pyrene	16.61	276	194269	14.407	ng	# 87
87) Benzo(b)fluoranthene	14.87	252	453259	19.591	ng	98
88) Benzo(k)fluoranthene	14.87	252	453259	20.975	ng	98
89) Benzo(a)pyrene	15.20	252	250110	12.173	ng	98
90) Dibenzo(a,h)anthracene	16.44	278	38495	2.230	ng	94
91) Benzo(g,h,i)perylene	17.02	276	177857	10.306	ng	# 92

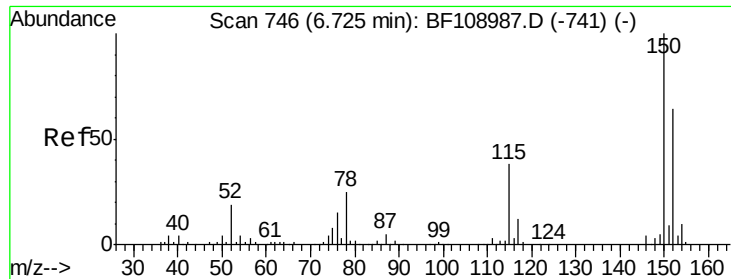
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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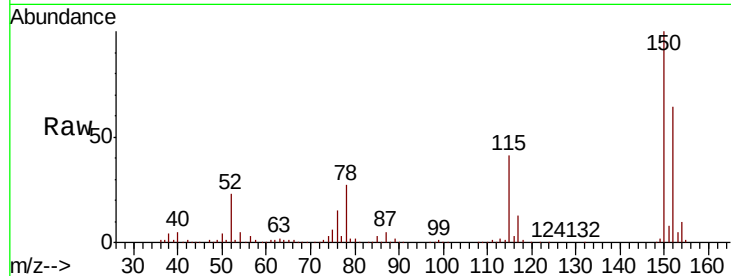


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	63.8	50.1	75.1

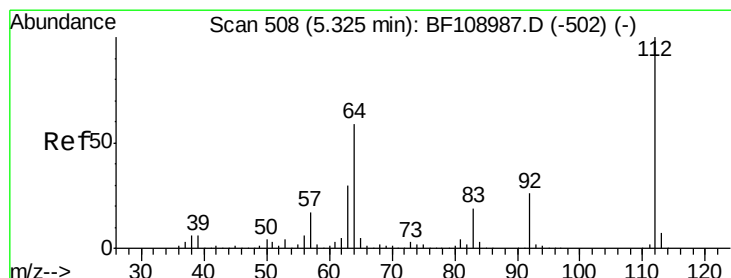
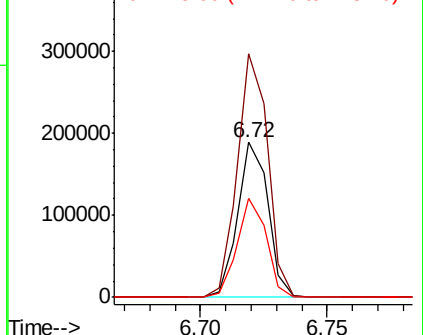
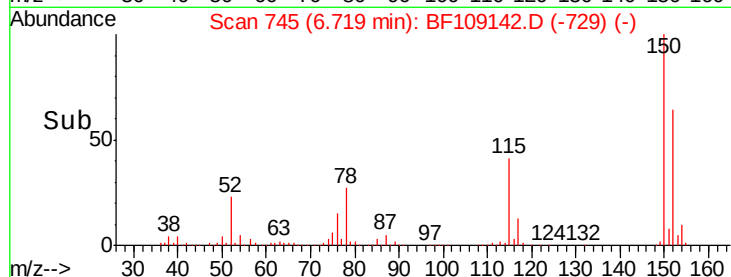


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

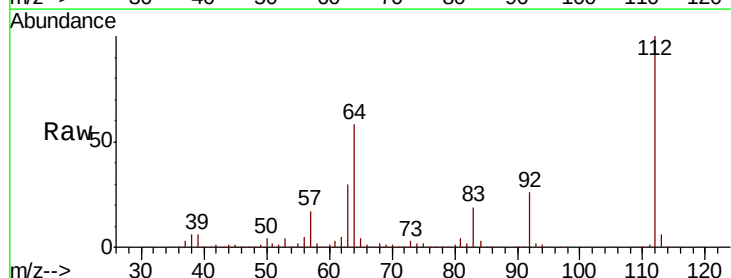
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.938 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	30.2	23.7	35.5

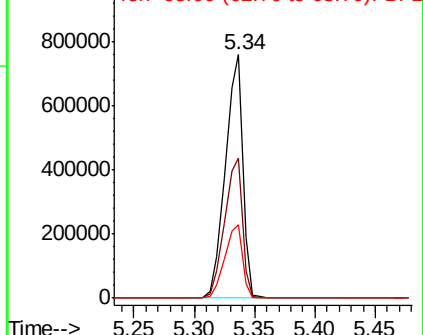
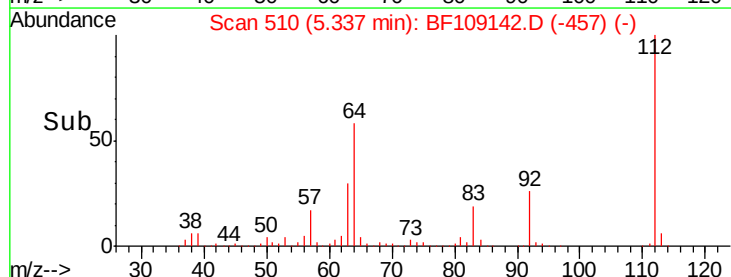


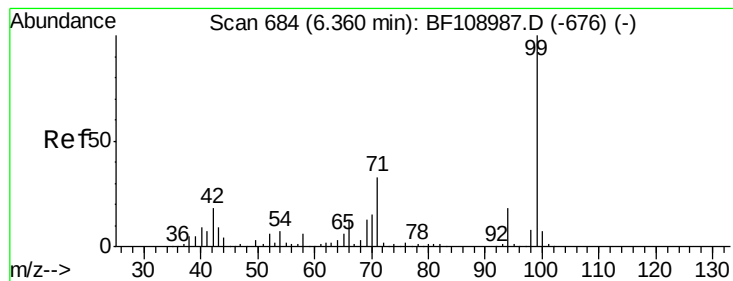
Abundance

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: 81.144 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_G

ClientSampled :

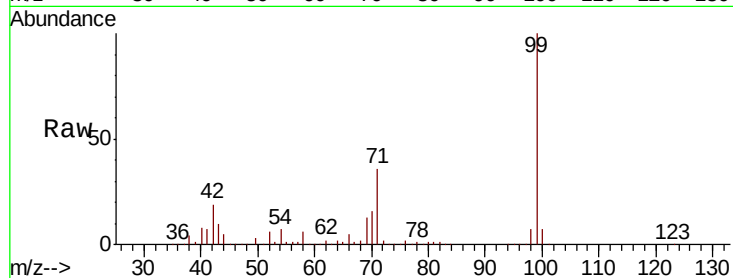
Tot Ion: 99 Resp: 983846

Ion Ratio Lower Upper

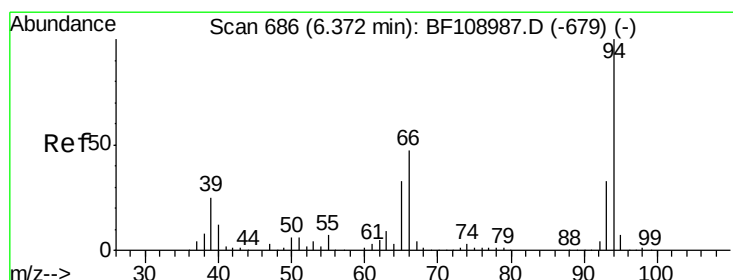
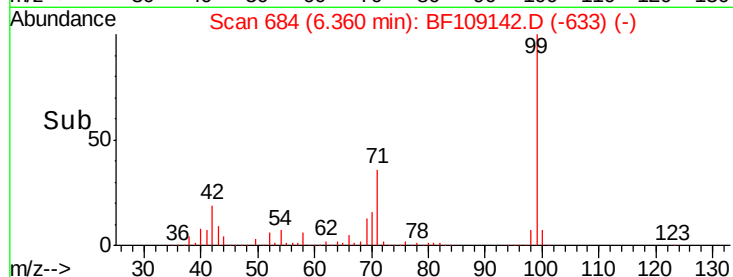
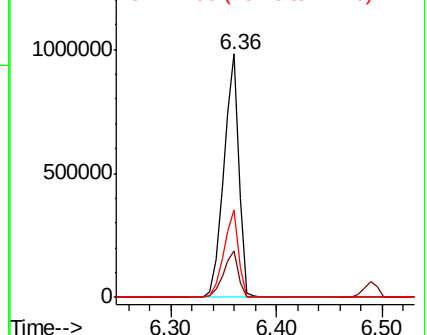
99 100

42 19.1 14.5 21.7

71 35.7 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: 2.002 ng

RT: 6.37 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

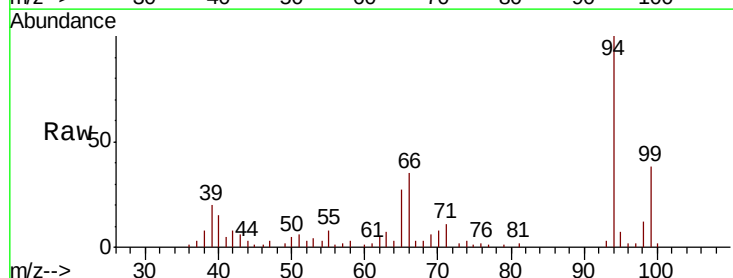
Tgt Ion: 94 Resp: 27309

Ion Ratio Lower Upper

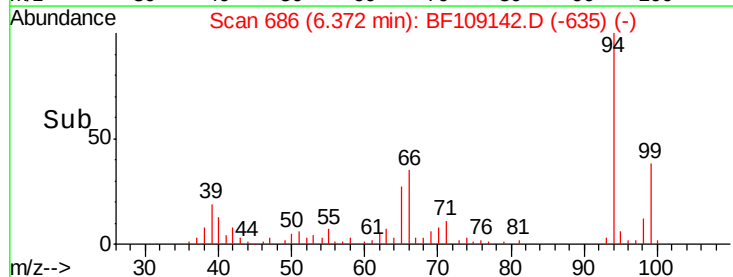
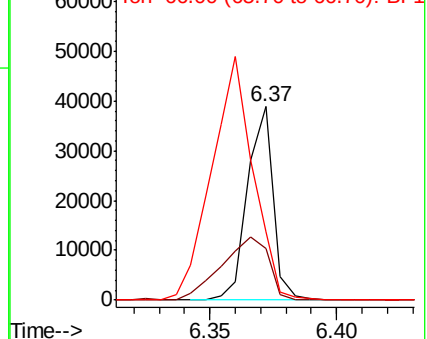
94 100

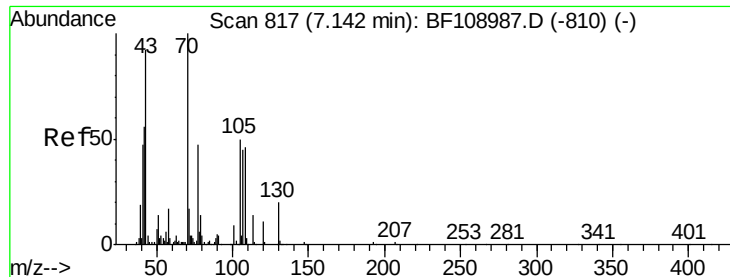
65 26.8 7.9 47.9

66 35.3 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

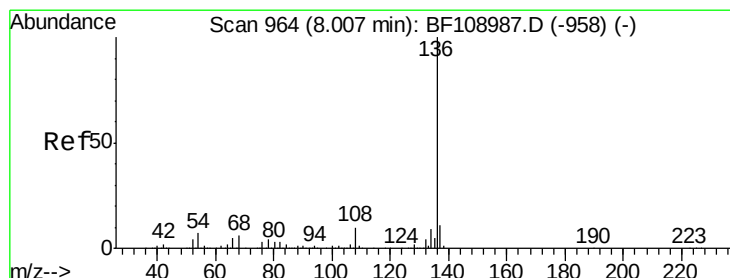
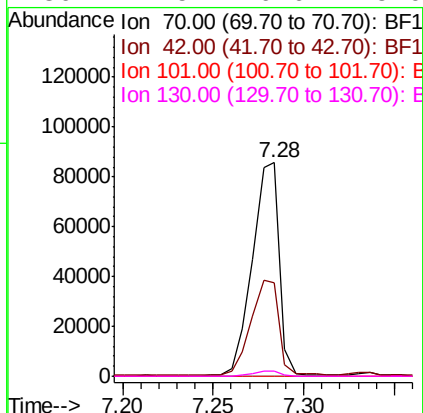
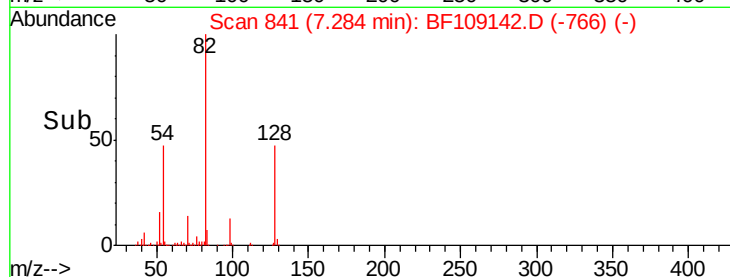
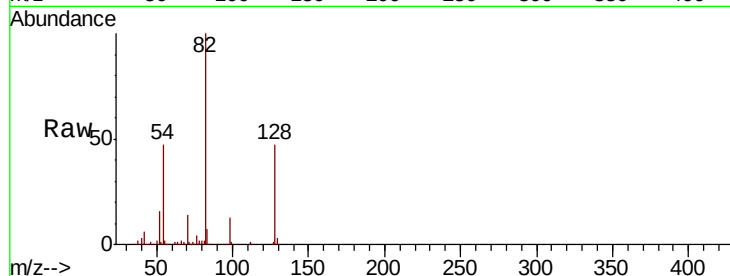




#19
n-Nitroso-di-n-propylamine
Concen: 11.173 ng
RT: 7.28 min Scan# 841
Delta R.T. 0.14 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

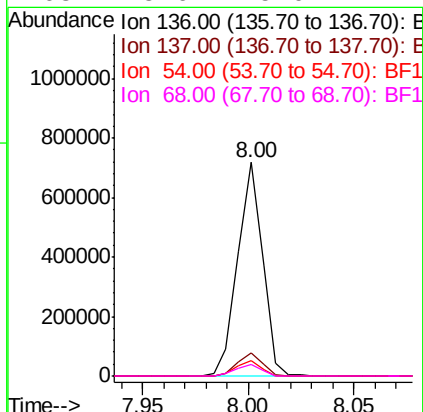
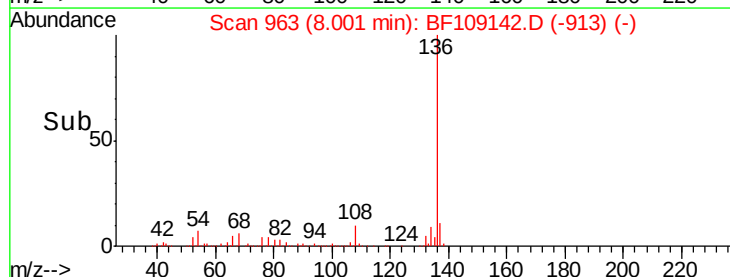
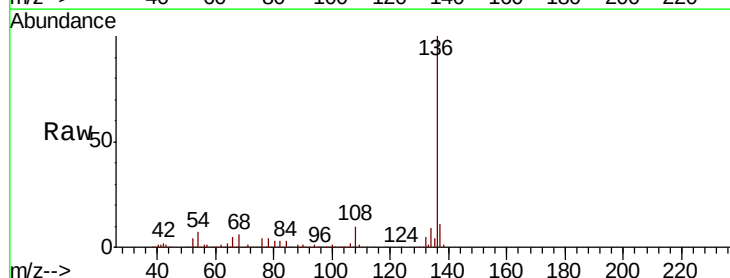
Instrument :
BNA_G
ClientSampleId :

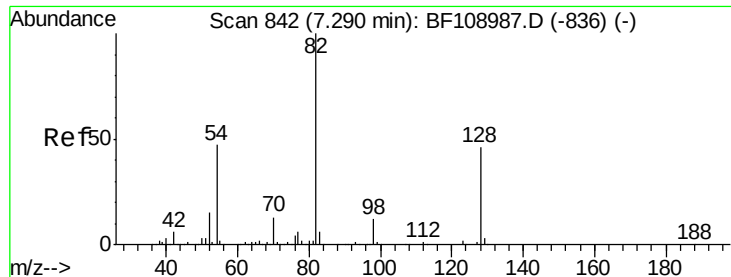
Tot Ion:	70	Resp:	89545
Ion	Ratio	Lower	Upper
70	100		
42	44.0	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:	136	Resp:	585248
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.1	6.6	9.8
68	5.6	5.0	7.4

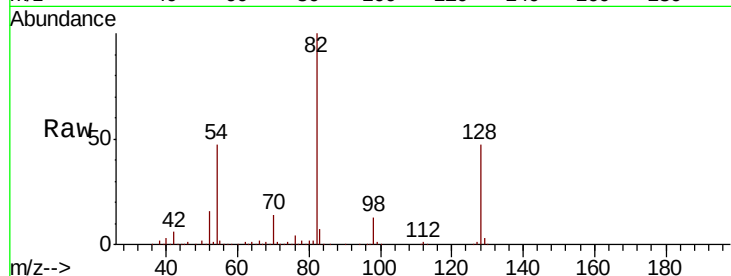




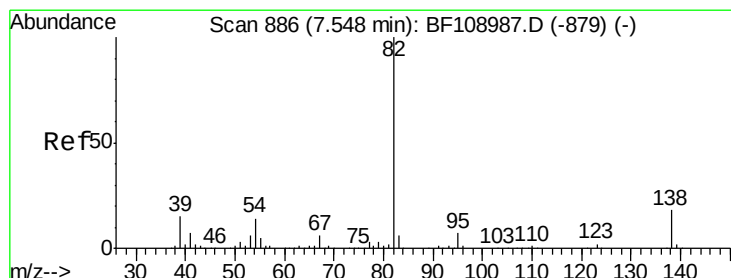
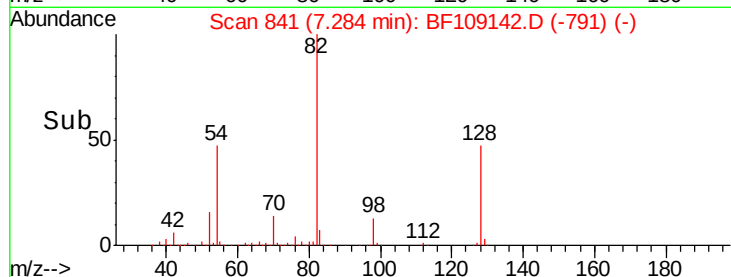
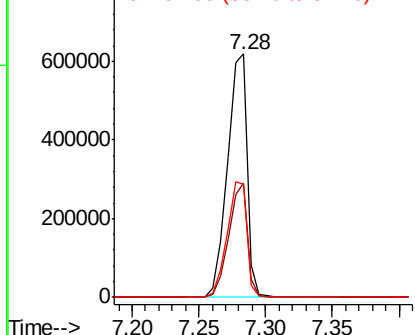
#23
 Nitrobenzene-d5
 Concen: 62.132 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	648315
Ion Ratio	Lower	Upper	
82	100		
128	47.2	36.1	54.1
54	46.6	41.4	62.2

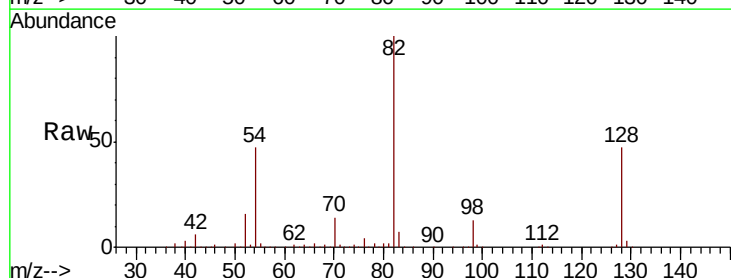


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

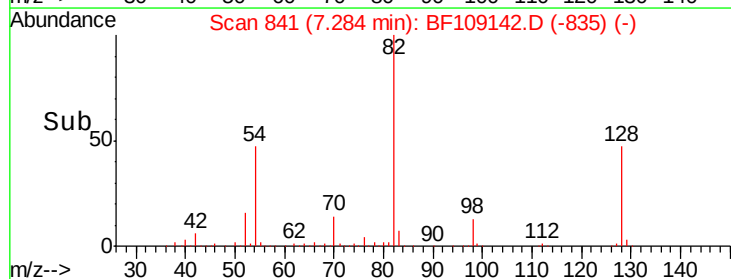
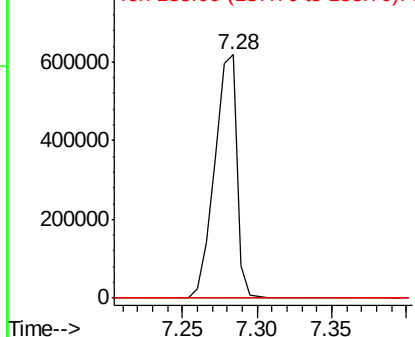


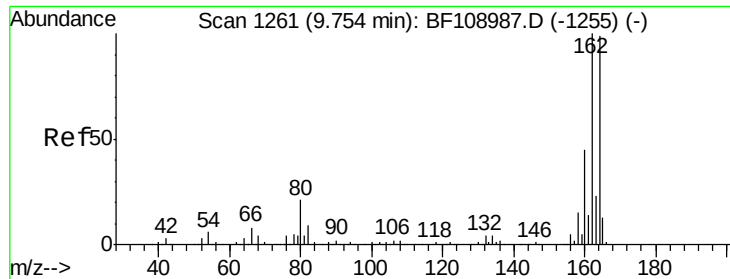
#25
 Isophorone
 Concen: 35.886 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.26 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	82	Resp	643671
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

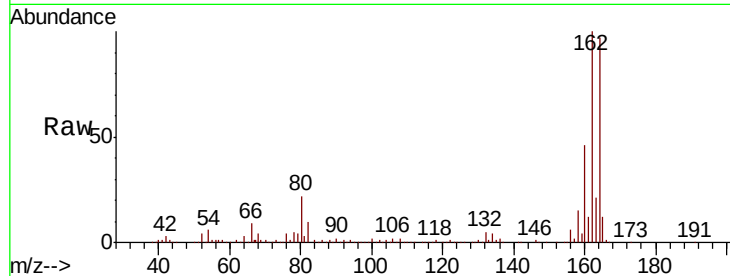




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	47.2	38.3	57.5

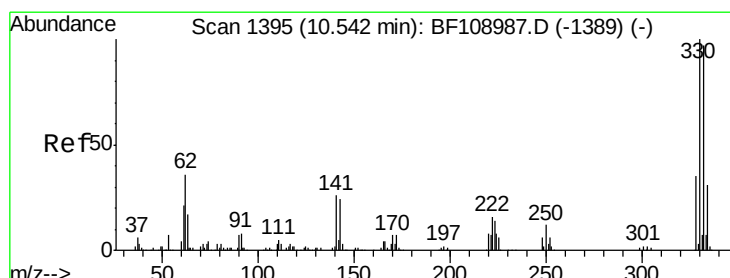
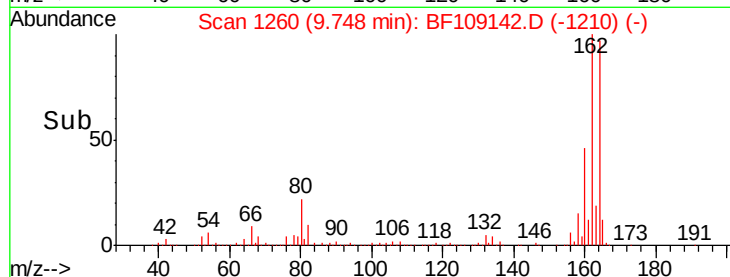
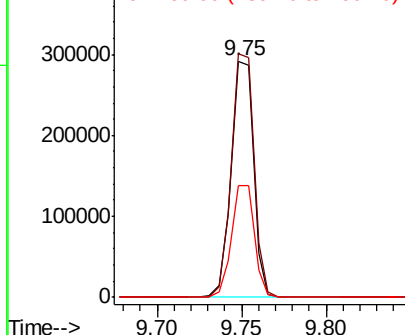


Abundance

Ion 164.00 (163.70 to 164.70): E

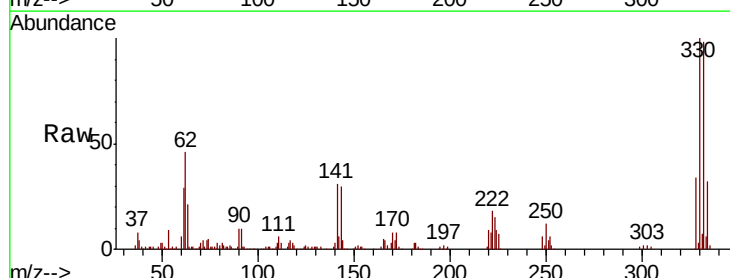
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 71.118 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.2	29.9	44.9

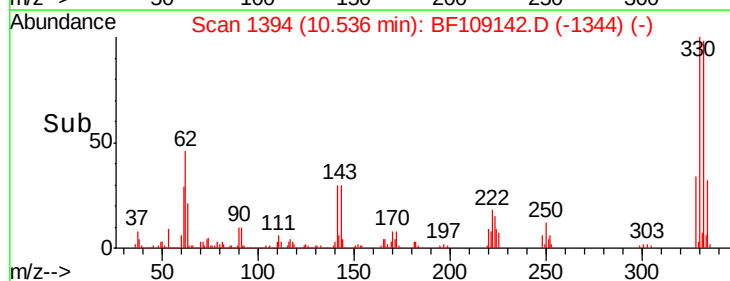
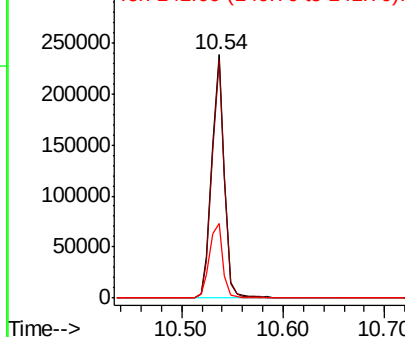


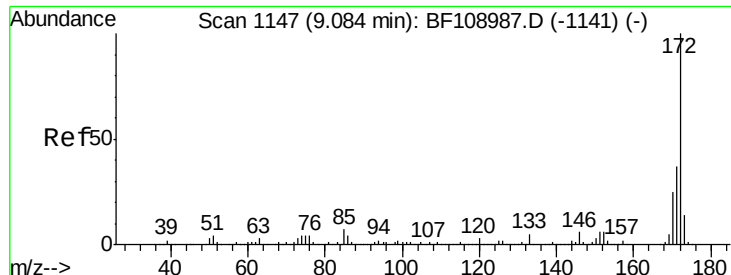
Abundance

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

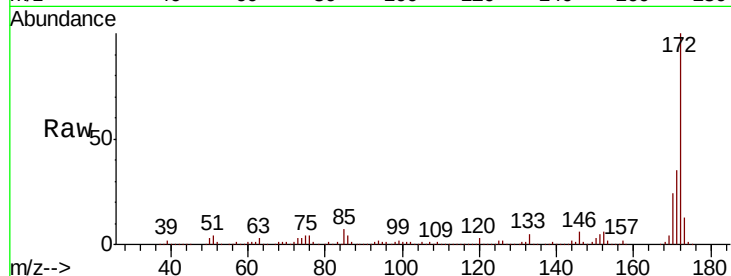




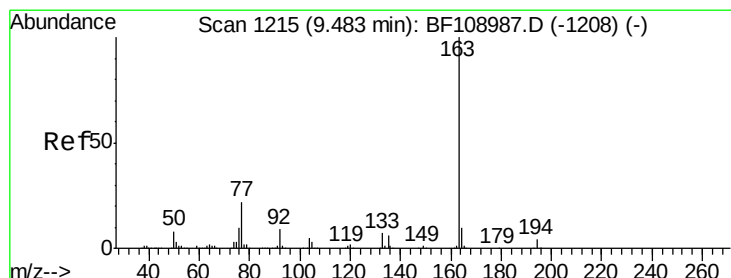
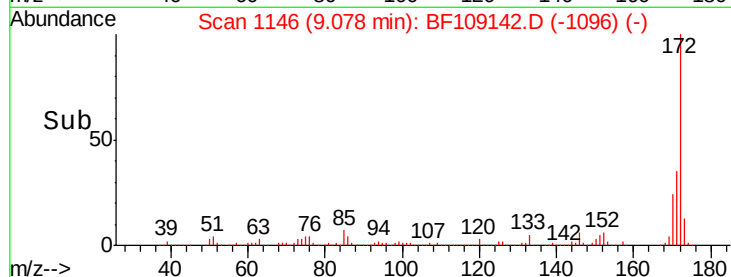
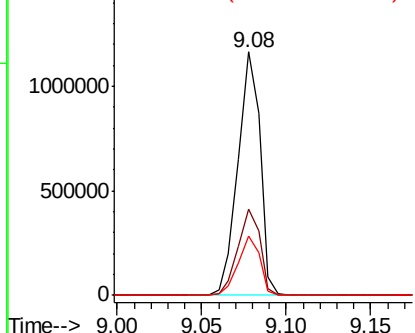
#44
2-Fluorobiphenyl
Concen: 62.430 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1065715
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 24.1 19.6 29.4

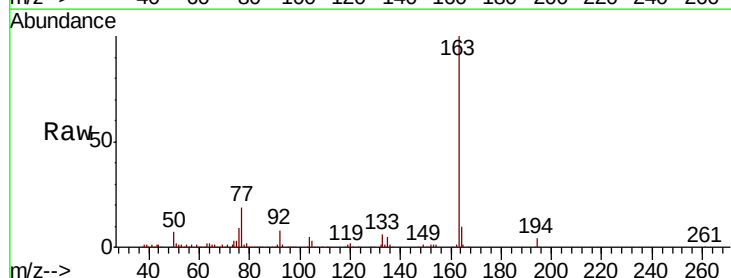


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

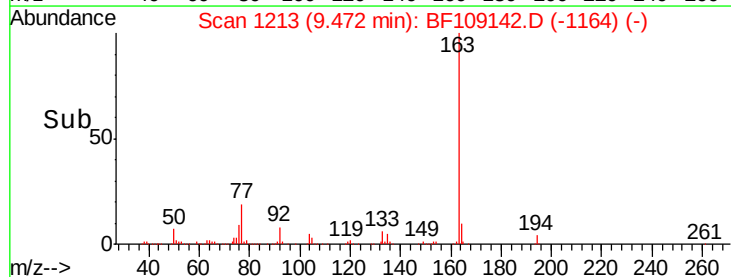
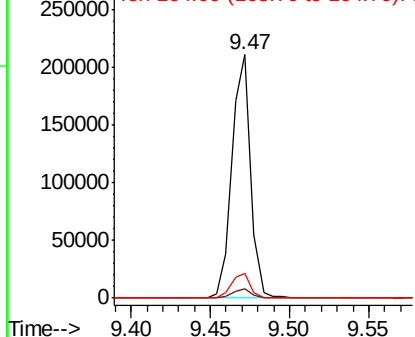


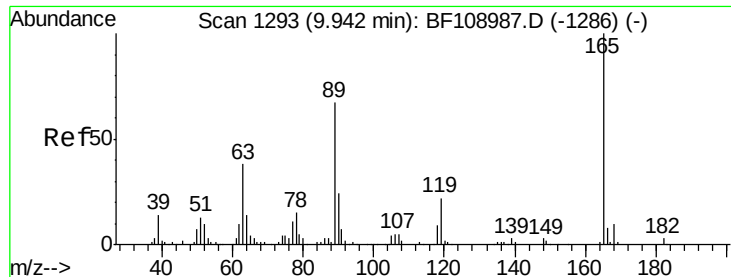
#49
Dimethylphthalate
Concen: 9.013 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:163 Resp: 172292
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.2 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

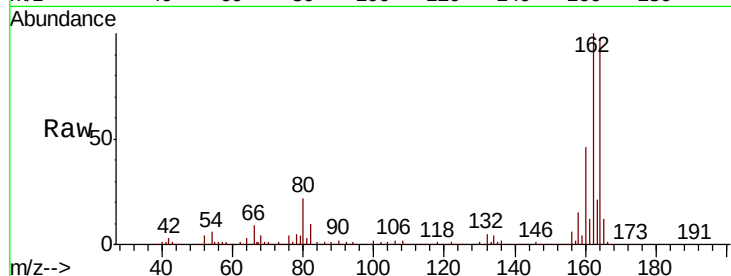




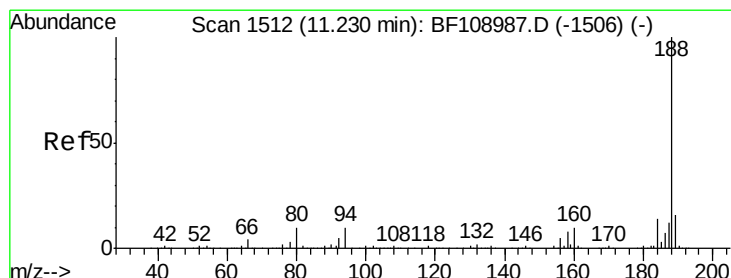
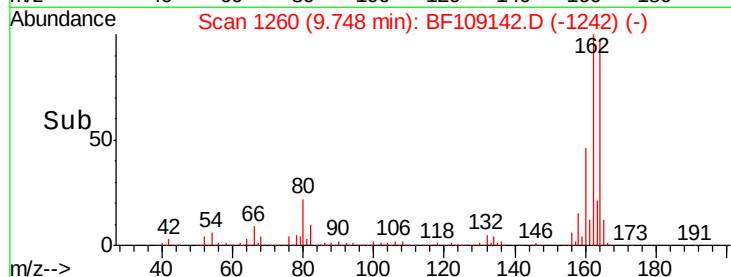
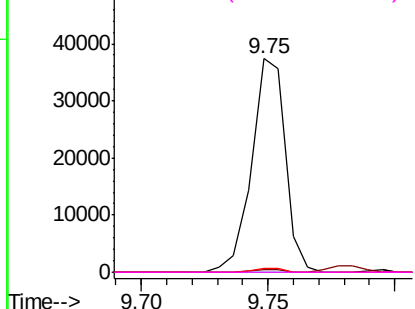
#56
 2,4-Dinitrotoluene
 Concen: 6.259 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.19 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	165	Resp:	34697
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

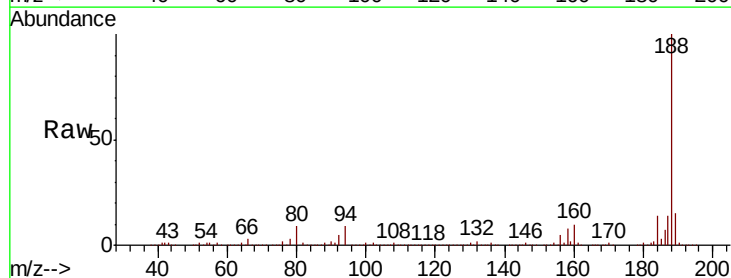


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

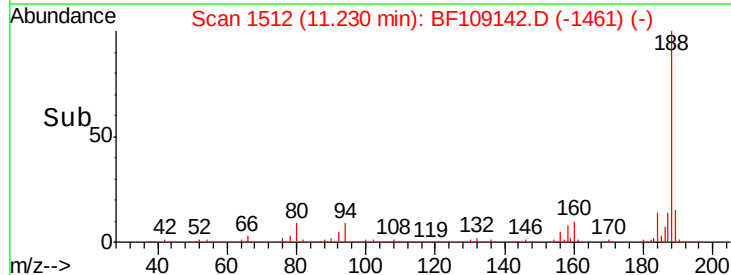
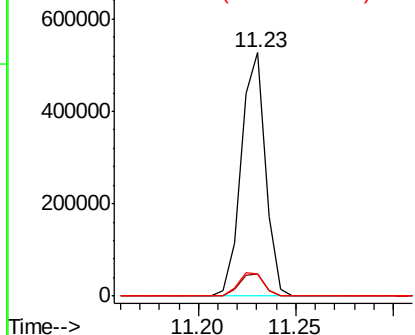


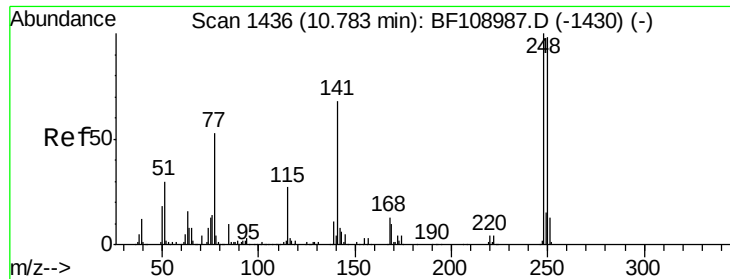
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:	188	Resp:	453093
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.3	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

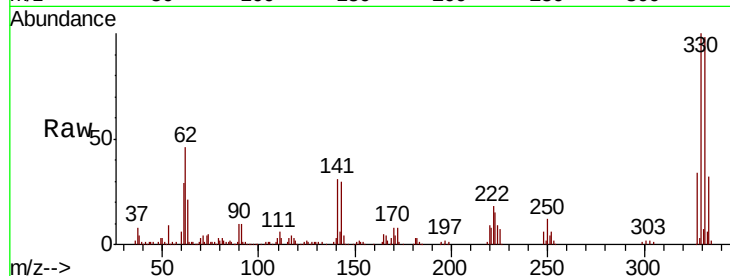




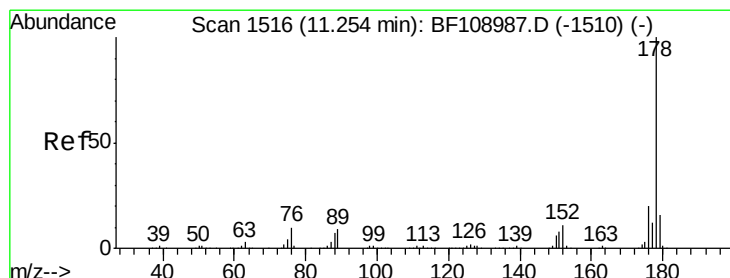
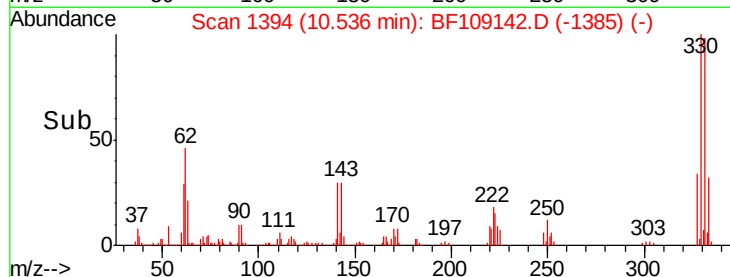
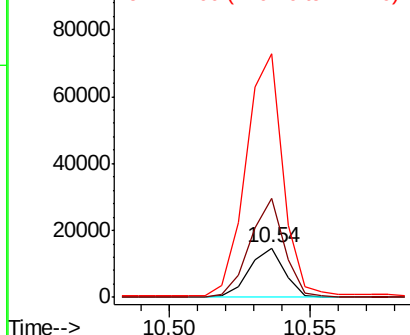
#66
 4-Bromophenyl-phenylether
 Concen: 2.488 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 12710
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.9 115.3#
 141 494.0 74.4 111.6#

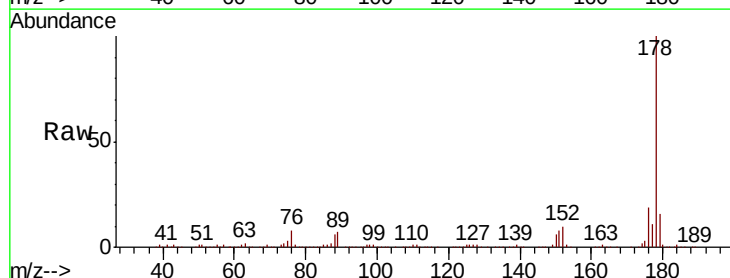


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

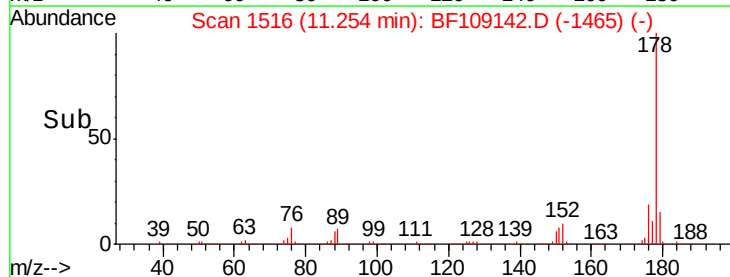
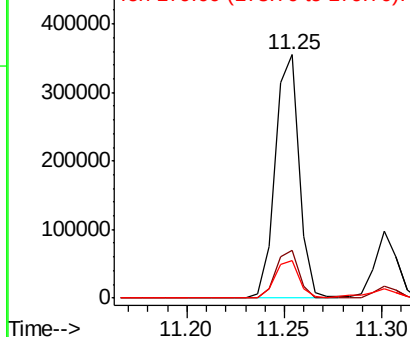


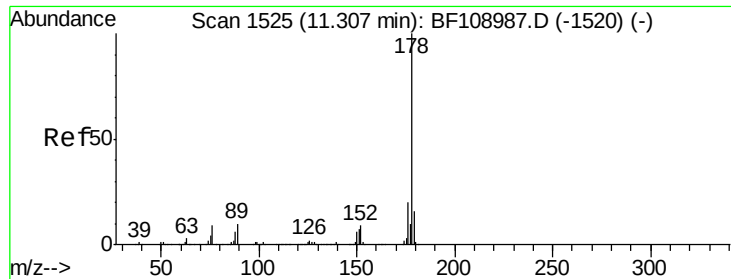
#70
 Phenanthrene
 Concen: 13.548 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:178 Resp: 300909
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.6 13.0 19.6



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

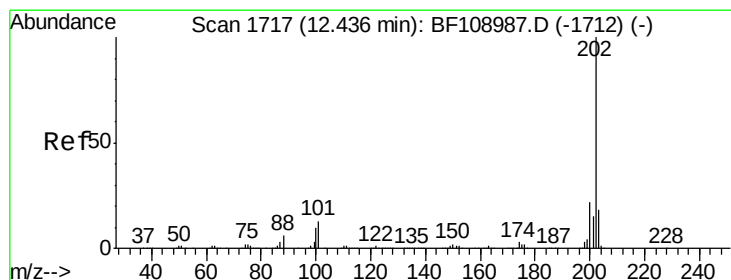
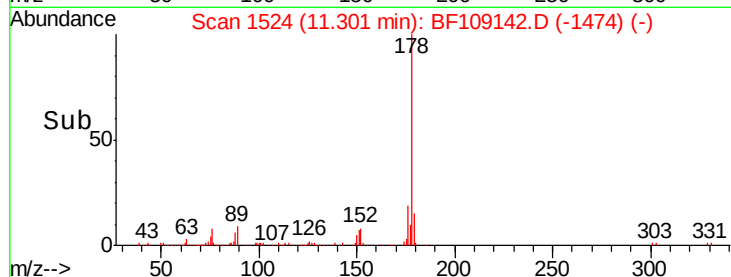
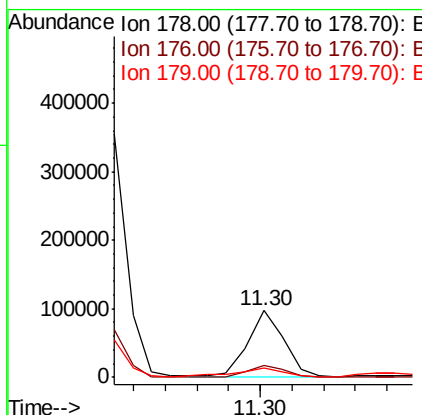
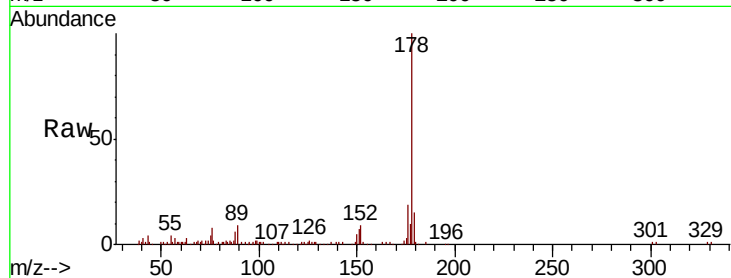




#71
 Anthracene
 Concen: 3.365 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

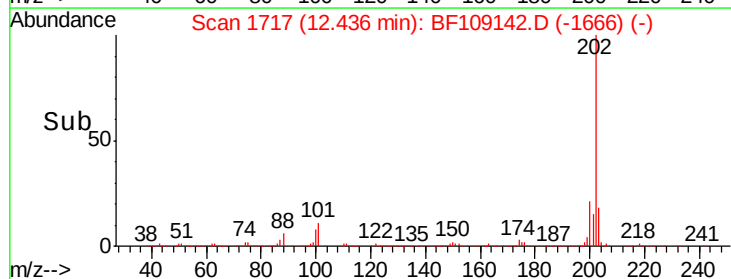
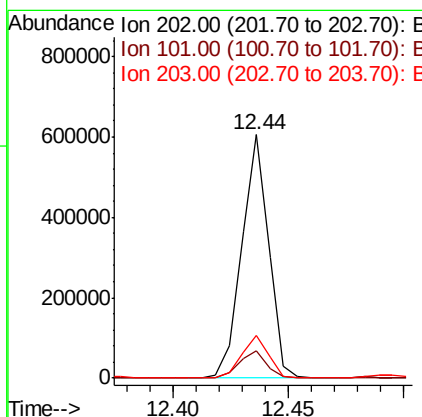
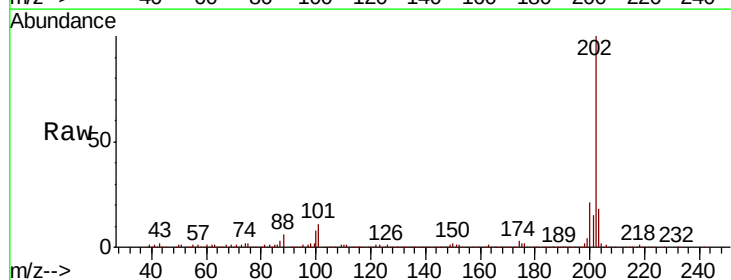
Instrument :
 BNA_G
 ClientSampleId :

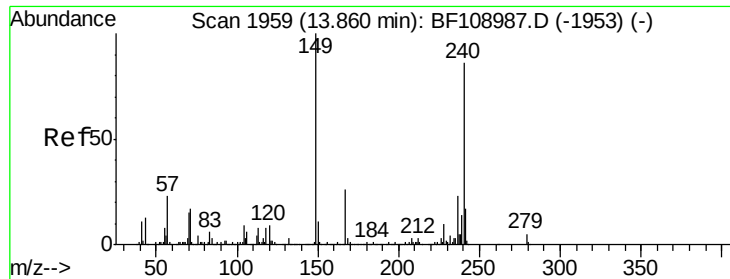
Tot Ion:178 Resp: 75769
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.8 12.6 19.0



#74
 Fluoranthene
 Concen: 20.900 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:202 Resp: 490070
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_G

ClientSampleId :

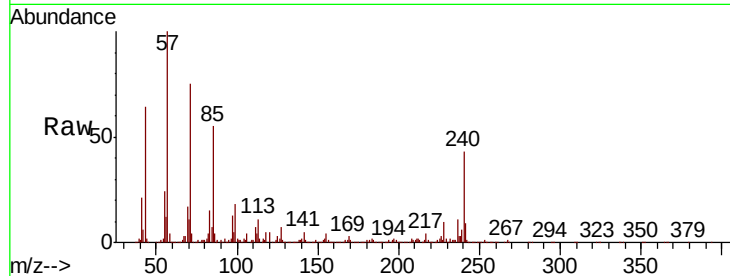
Tot Ion:240 Resp: 278449

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

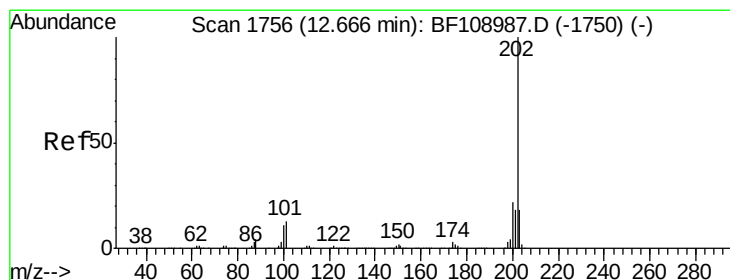
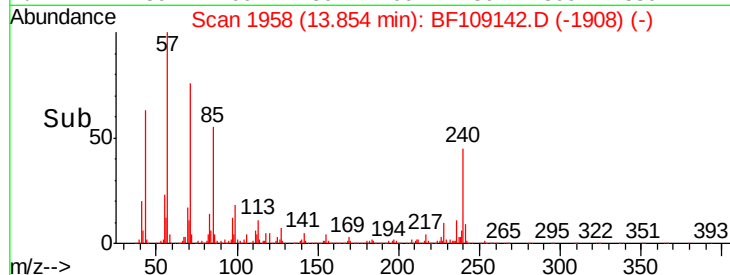
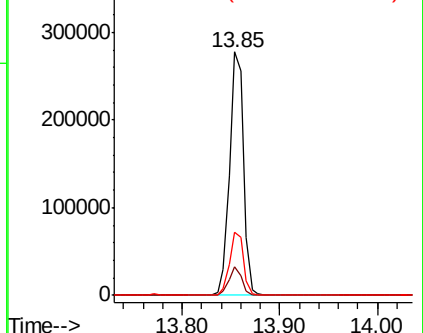
236 25.7 20.7 31.1



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



#77

Pyrene

Concen: 21.275 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

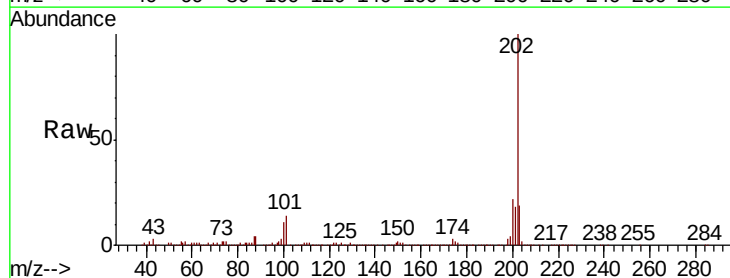
Tgt Ion:202 Resp: 440034

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

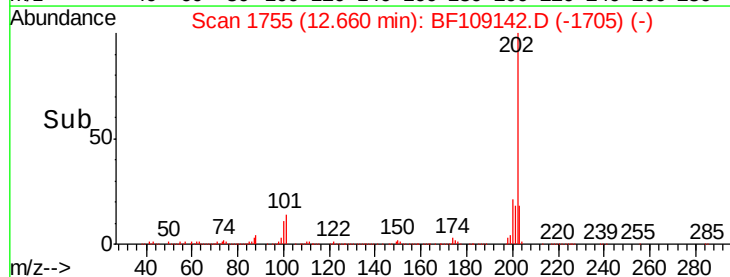
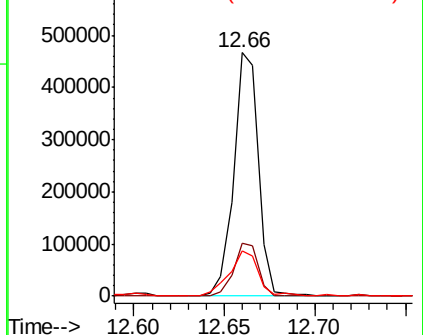
203 18.5 14.3 21.5

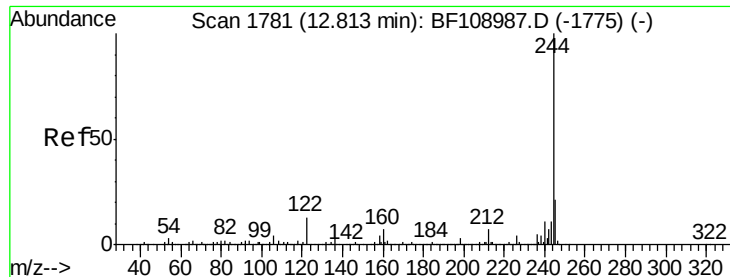


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

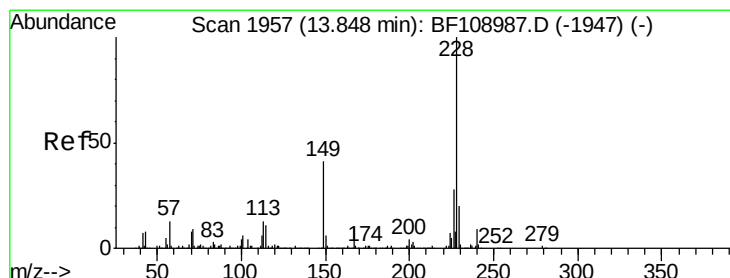
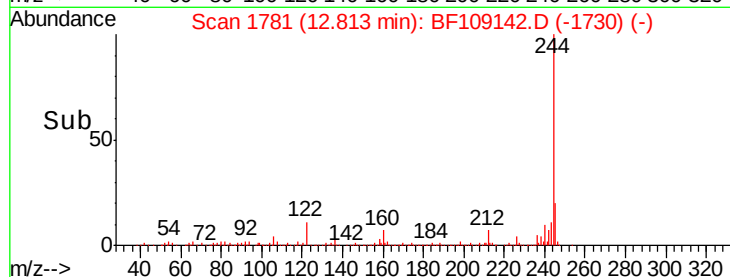
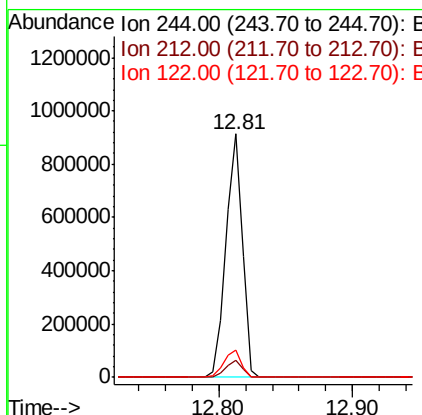
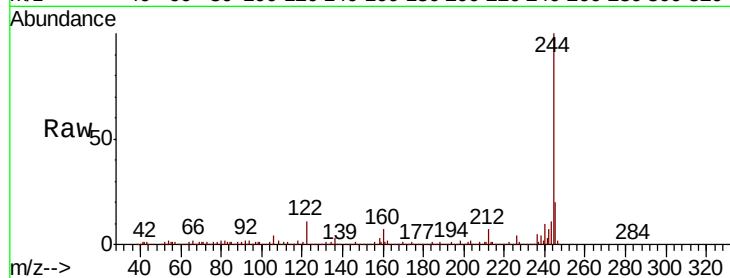




#78
 Terphenyl-d14
 Concen: 68.346 ng
 RT: 12.81 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

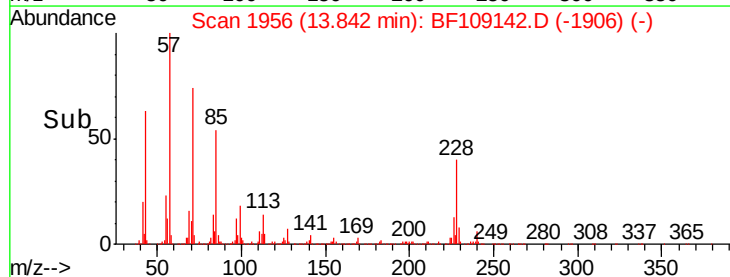
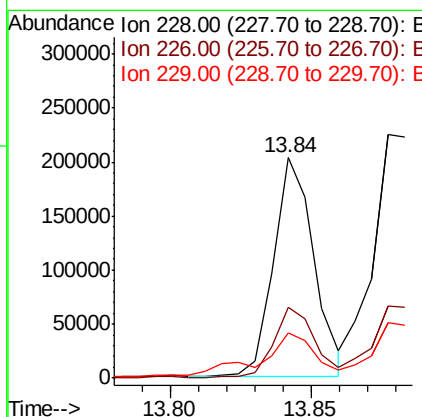
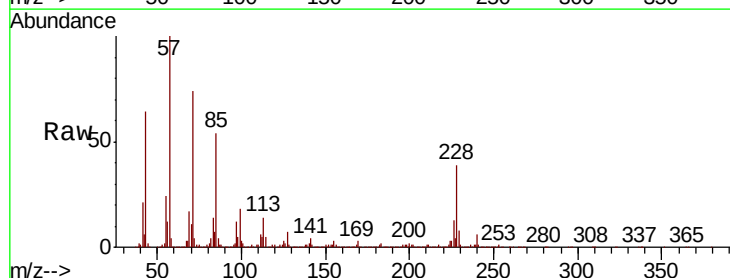
Instrument :
 BNA_G
 ClientSampleId :

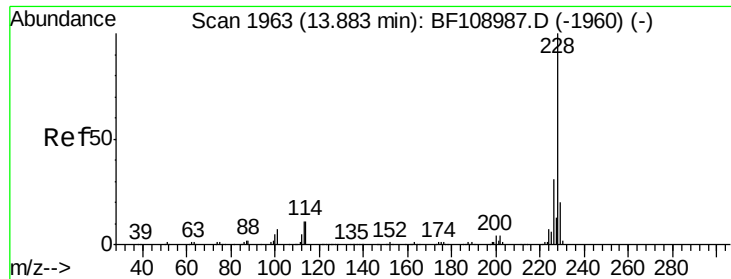
Tot Ion:244 Resp: 802897
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 11.931 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:228 Resp: 201140
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.6 33.8
 229 20.8 15.8 23.6

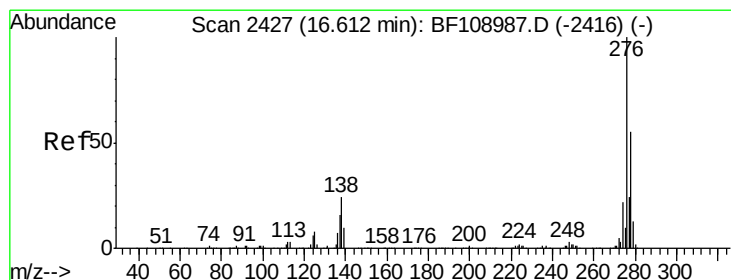
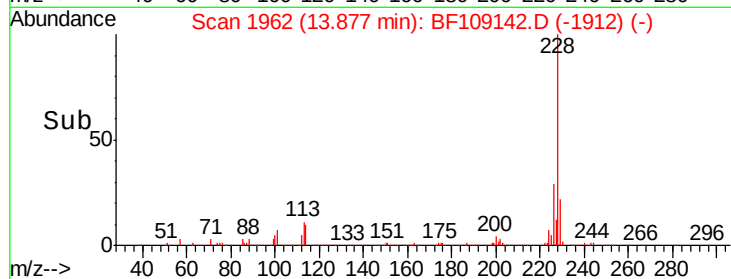
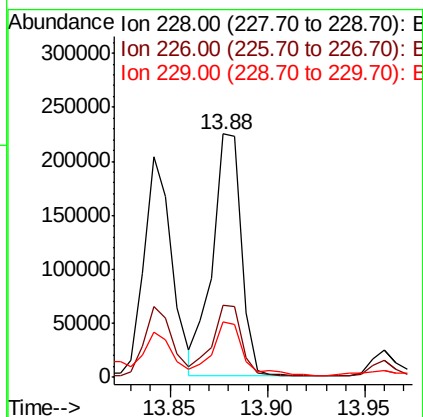
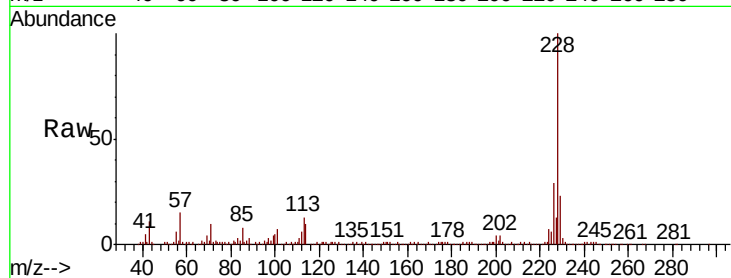




#82
Chrysene
Concen: 13.683 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

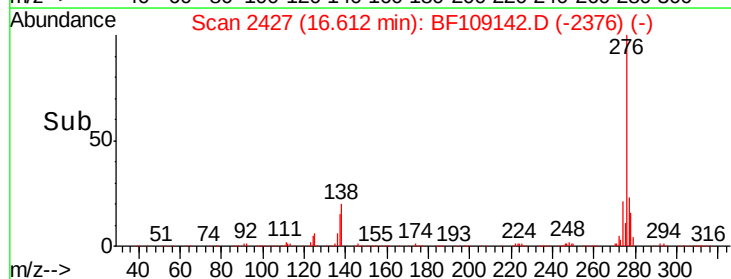
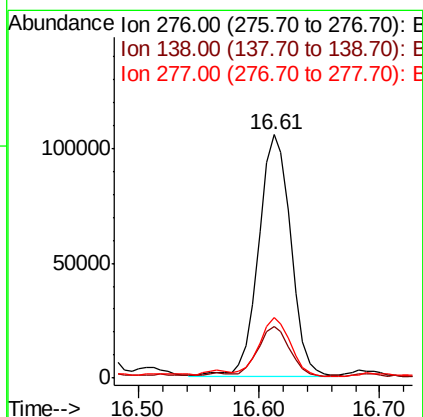
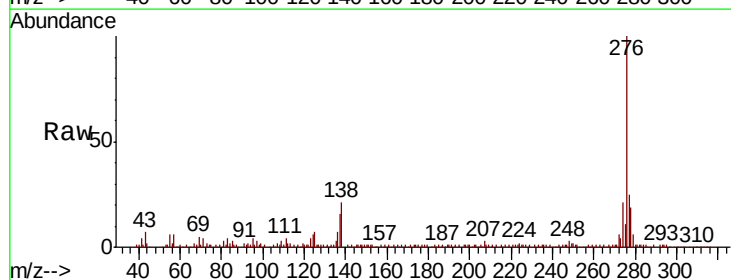
Instrument :
BNA_G
ClientSampleId :

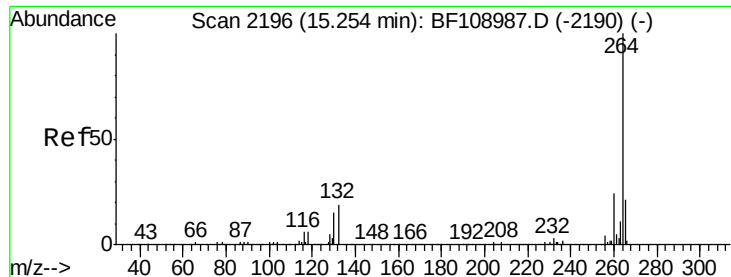
Tot Ion:228 Resp: 230788
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 22.8 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 14.407 ng
RT: 16.61 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:276 Resp: 194269
Ion Ratio Lower Upper
276 100
138 19.7 25.0 37.6#
277 23.5 20.1 30.1

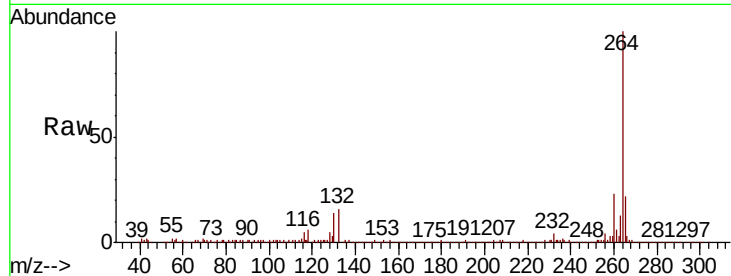




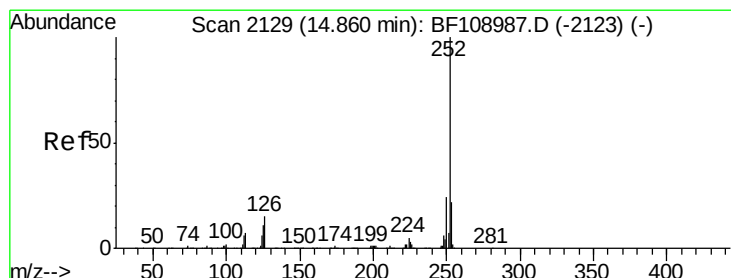
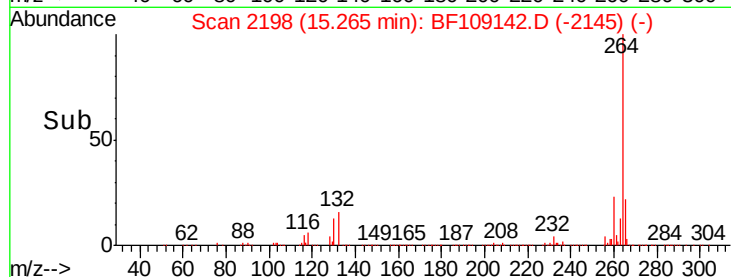
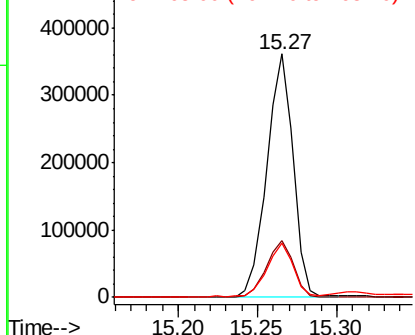
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 418202
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.3 17.5 26.3

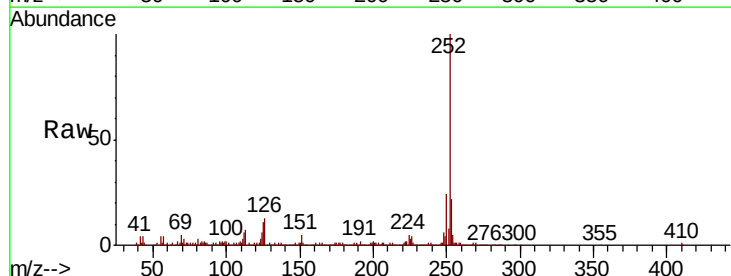


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

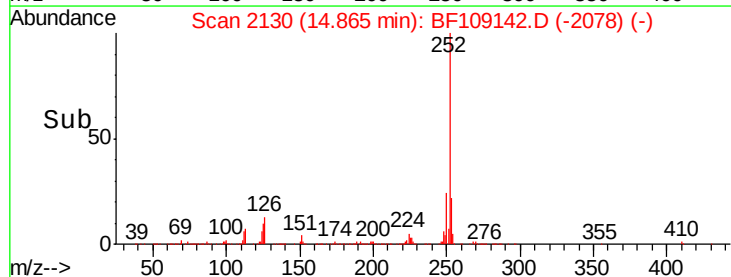
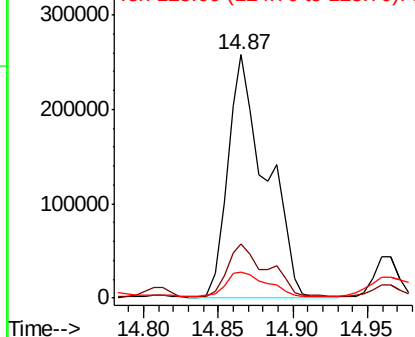


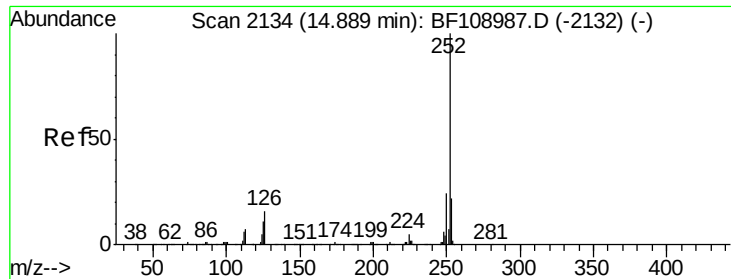
#87
Benzo(b)fluoranthene
Concen: 19.591 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:252 Resp: 453259
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 10.7 9.0 13.6



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

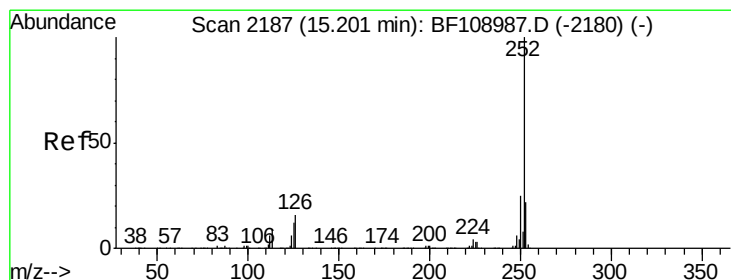
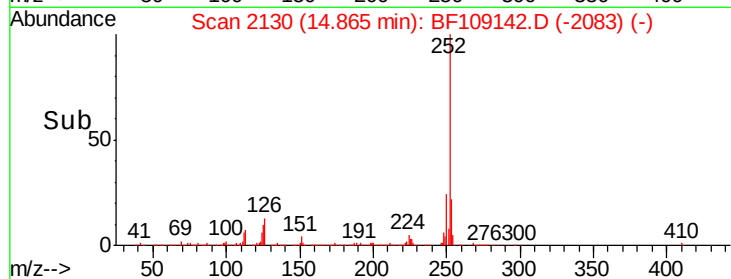
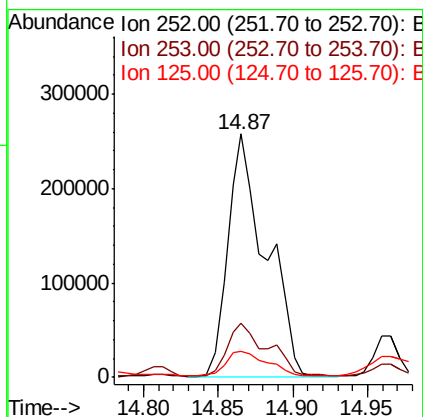
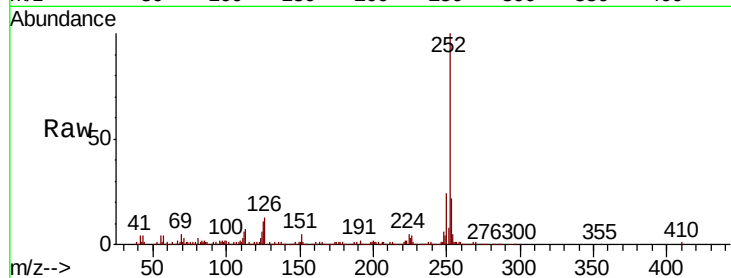




#88
Benzo(k)fluoranthene
Concen: 20.975 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

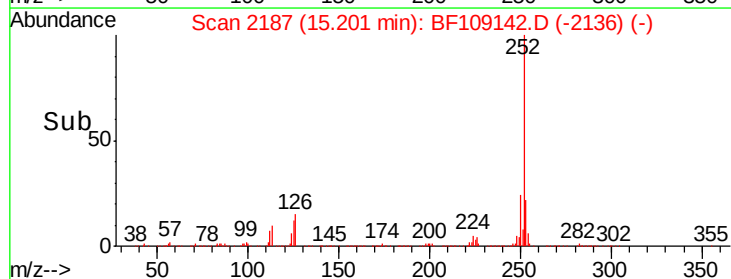
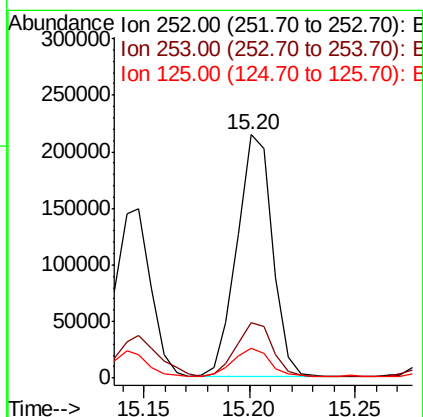
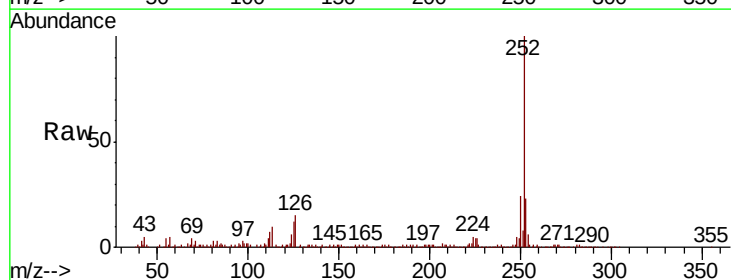
Instrument :
BNA_G
ClientSampleId :

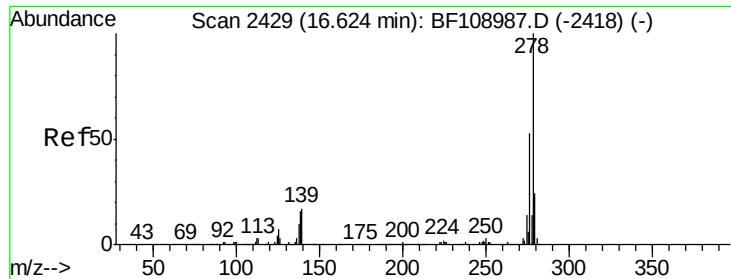
Tot Ion:252 Resp: 453259
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 12.173 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:252 Resp: 250110
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 12.1 9.8 14.6

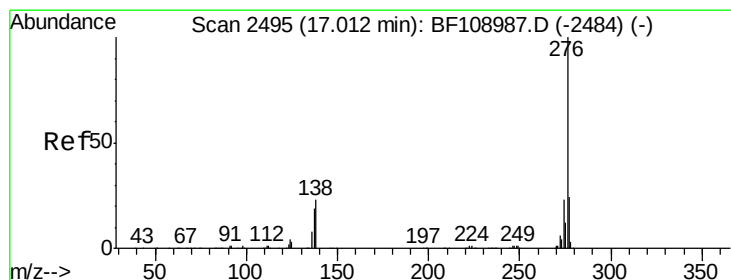
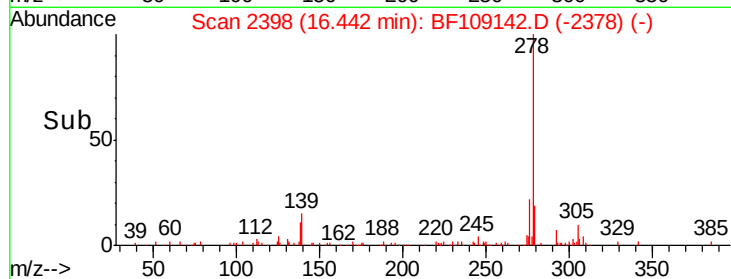
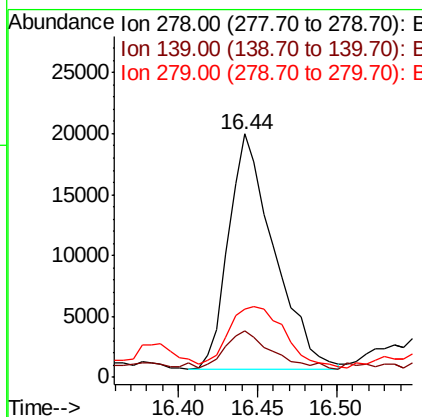
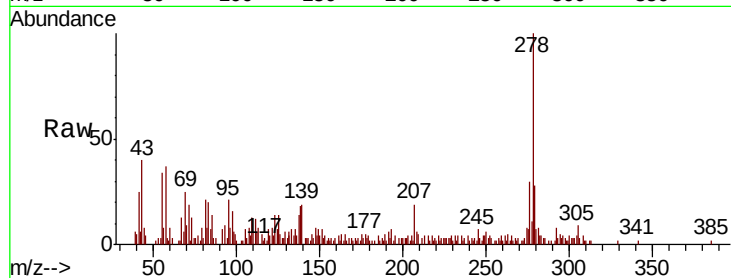




#90
Dibenzo(a,h)anthracene
Concen: 2.230 ng
RT: 16.44 min Scan# 2398
Delta R.T. -0.18 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.2	15.9	23.9
279	28.1	19.0	28.4



#91
Benzo(g,h,i)perylene
Concen: 10.306 ng
RT: 17.02 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	21.5	21.8	32.8#

