

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112991.D
 Acq On : 12 Mar 2019 8:29
 Operator : JU/SJ
 Sample : K1817-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 09:32:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	159874	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	623310	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	314698	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	648260	20.00	ng	0.00
76) Chrysene-d12	13.86	240	538252	20.00	ng	-0.01
87) Perylene-d12	15.27	264	413363	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	897946	87.37	ng	0.00
7) Phenol-d6	6.37	99	1139017	88.22	ng	0.00
23) Nitrobenzene-d5	7.29	82	673223	64.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	382877	114.60	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1269214	62.27	ng	-0.01
79) Terphenyl-d14	12.82	244	1395867	50.27	ng	0.00

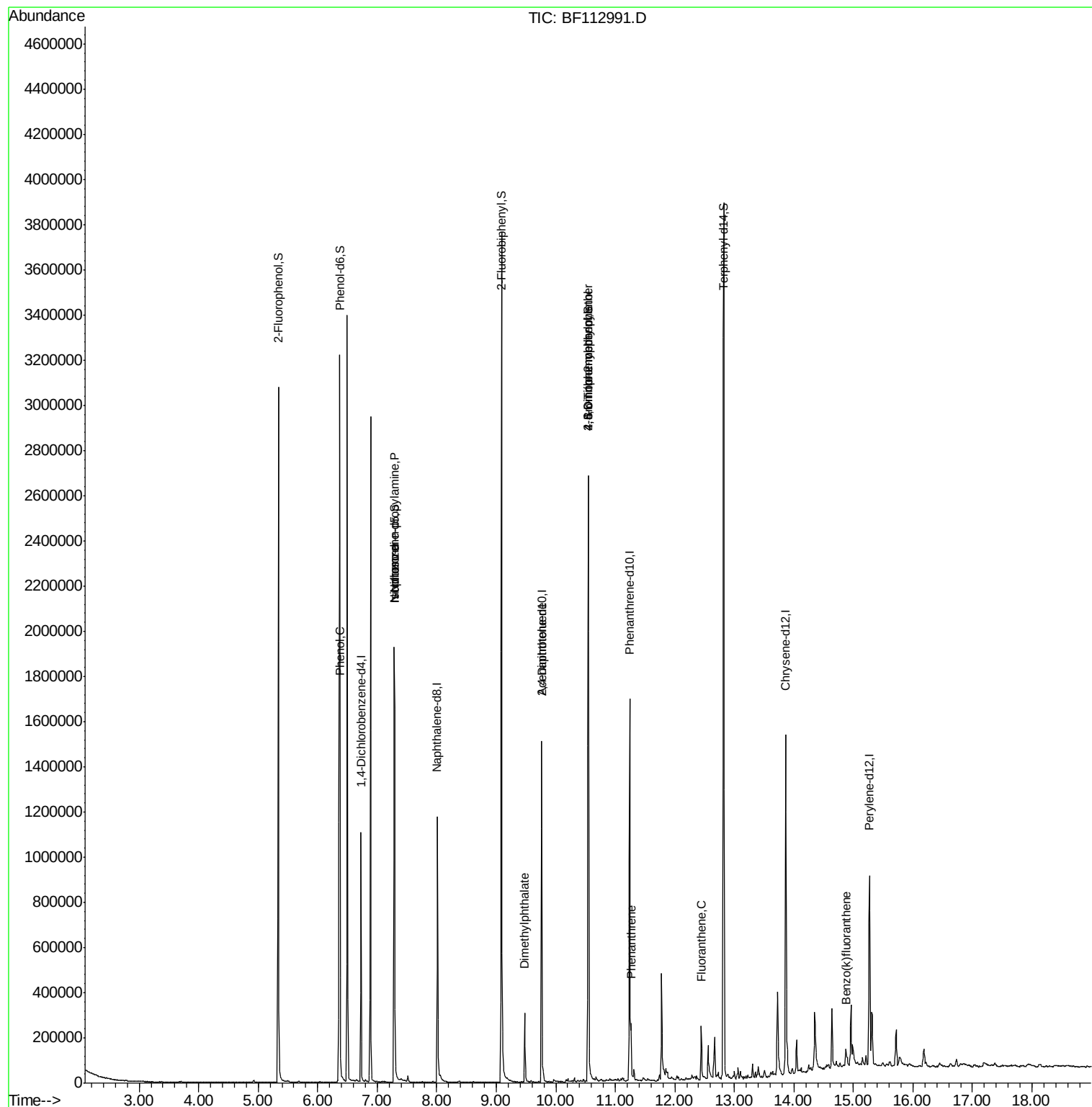
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	86316	5.729	ng	87
19) n-Nitroso-di-n-propylamine	7.29	70	87668	10.722	ng	# 76
25) Isophorone	7.29	82	673213	29.999	ng	# 66
50) Dimethylphthalate	9.48	163	139482	6.011	ng	98
57) 2,4-Dinitrotoluene	9.76	165	38760	6.453	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	634	4.828	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	21437	3.140	ng	# 1
71) Phenanthrene	11.26	178	79299	2.459	ng	96
75) Fluoranthene	12.44	202	94194	2.726	ng	96
89) Benzo(k)fluoranthene	14.87	252	51862	2.141	ng	96

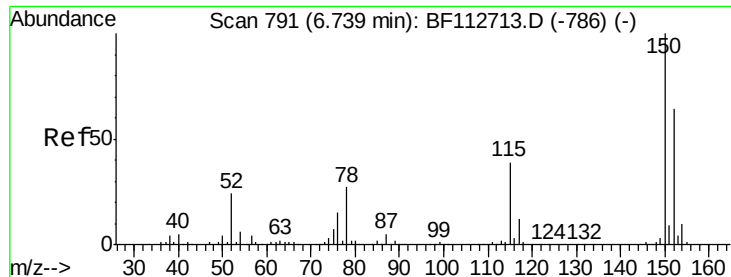
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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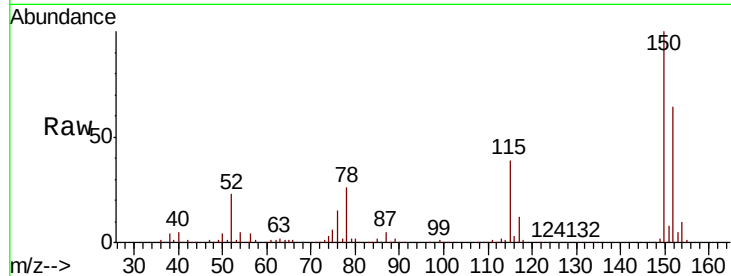


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.2	186.2
115	60.4	48.2	72.4

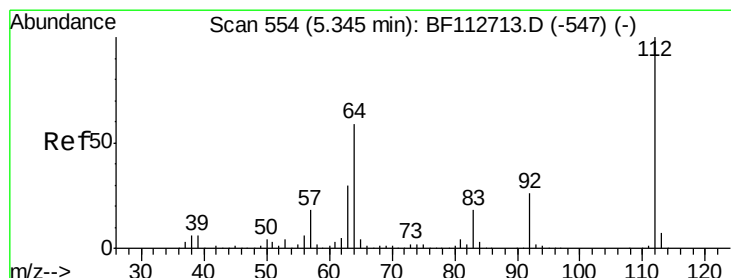
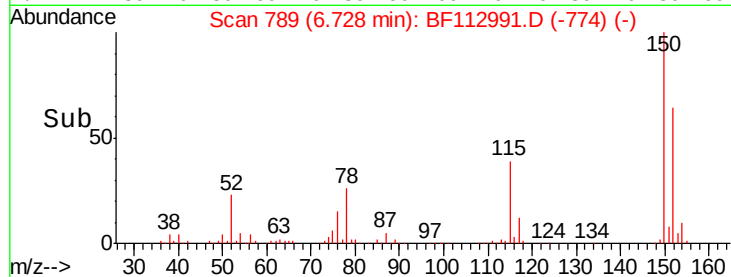
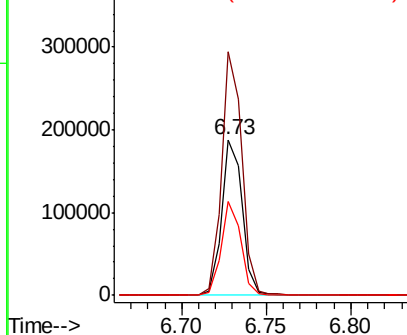


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

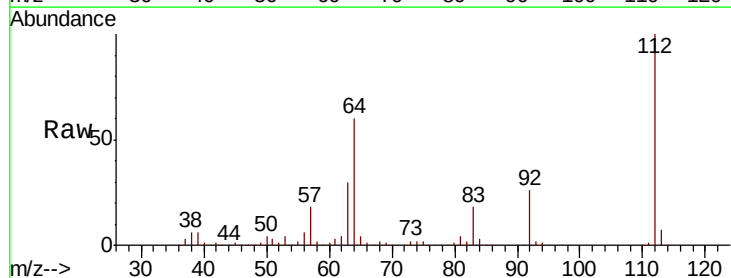
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.368 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.6	71.4
63	29.9	24.4	36.6

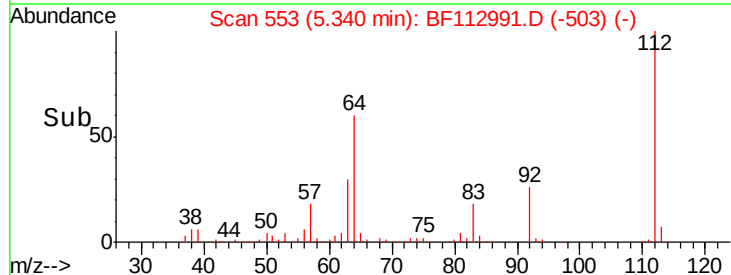
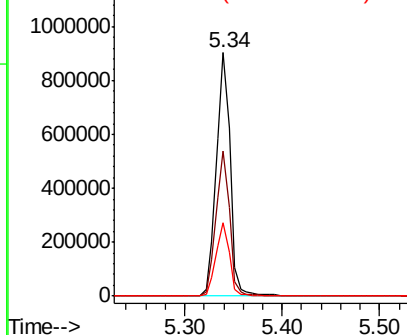


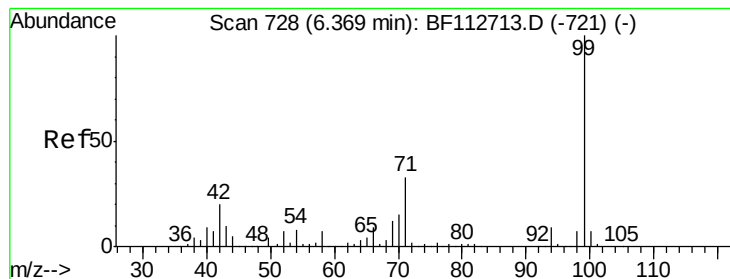
Abundance

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: 88.224 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112991.D

Acq: 12 Mar 2019 8:29

Instrument :

BNA_F

ClientSampleId :

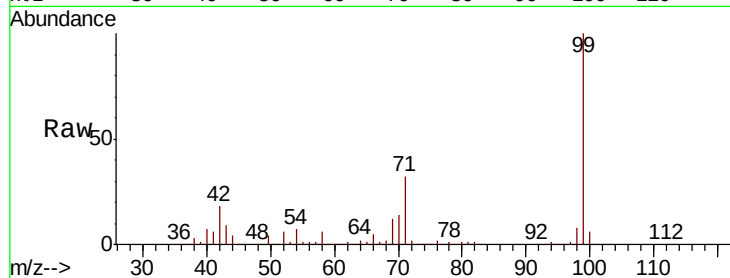
Tot Ion: 99 Resp: 1139017

Ion	Ratio	Lower	Upper
99	100		
42	18.4	16.3	24.5
71	31.9	26.2	39.4

99 100

42 18.4 16.3 24.5

71 31.9 26.2 39.4

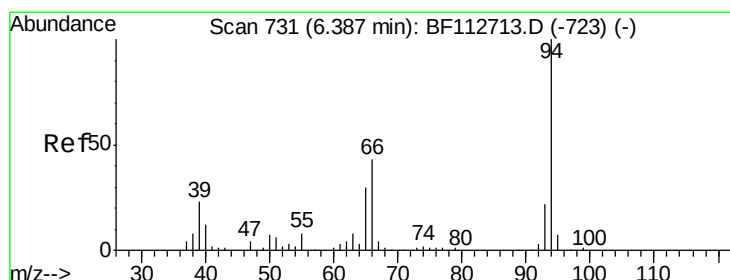
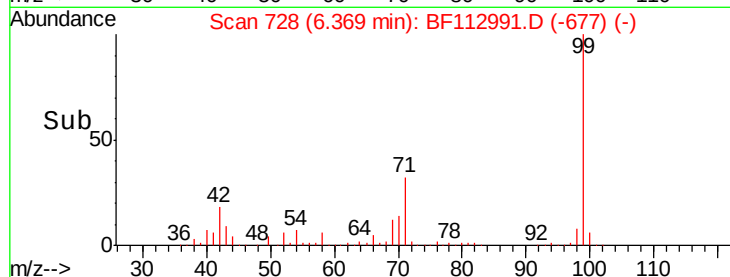
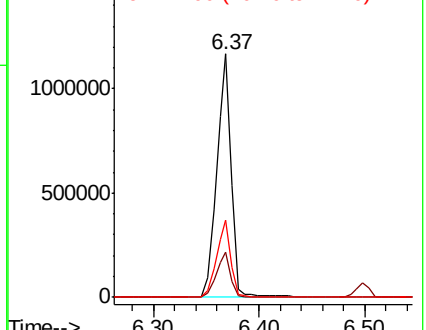


Abundance

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: 5.729 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112991.D

Acq: 12 Mar 2019 8:29

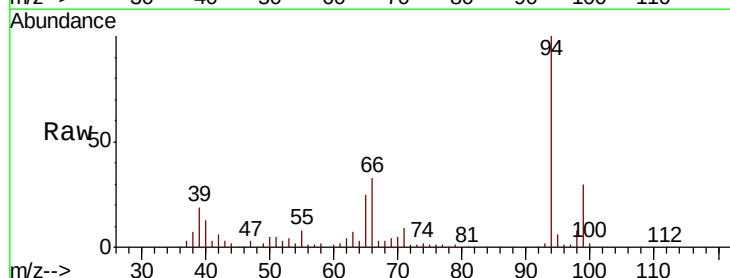
Tgt Ion: 94 Resp: 86316

Ion	Ratio	Lower	Upper
94	100		
65	25.2	10.5	50.5
66	32.7	22.6	62.6

94 100

65 25.2 10.5 50.5

66 32.7 22.6 62.6

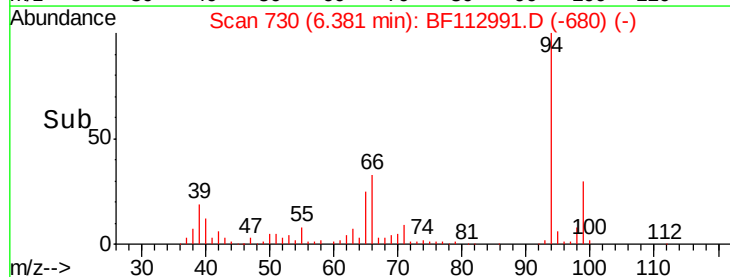
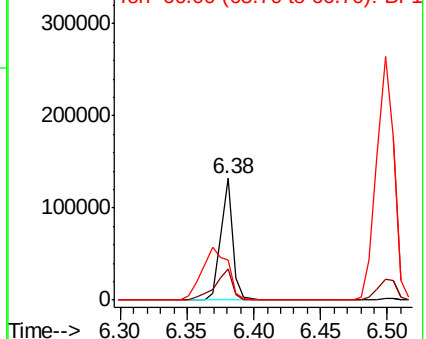


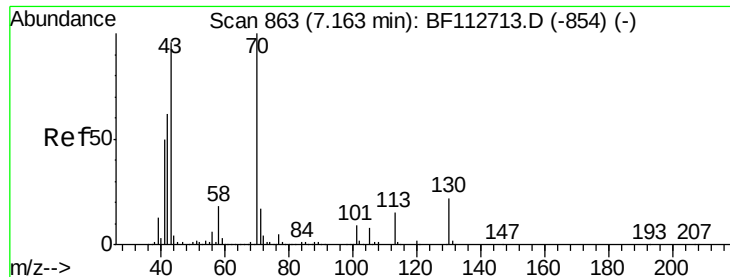
Abundance

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

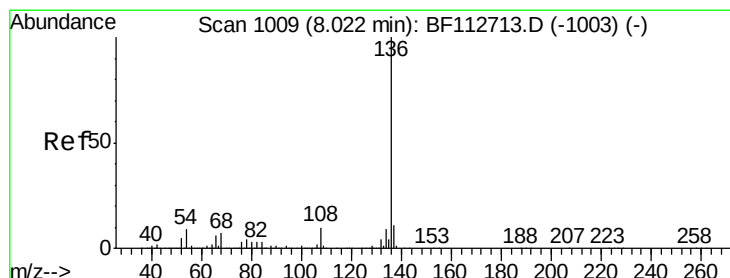
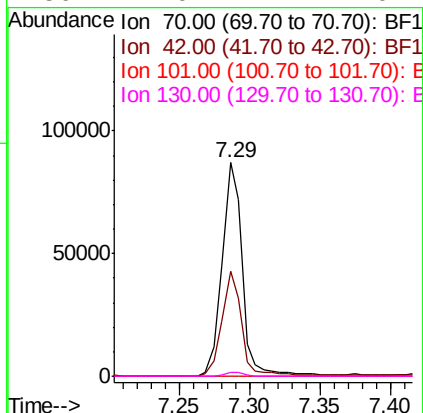
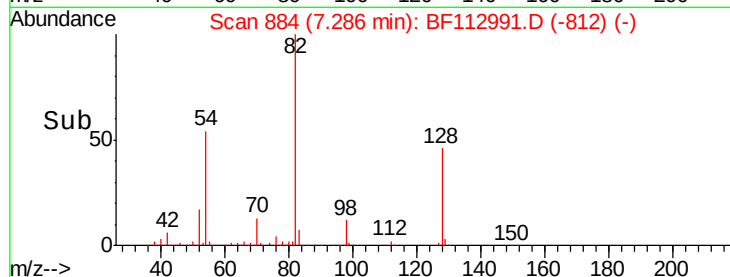
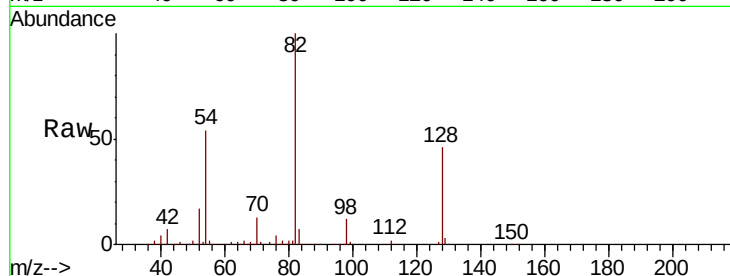




#19
n-Nitroso-di-n-propylamine
Concen: 10.722 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

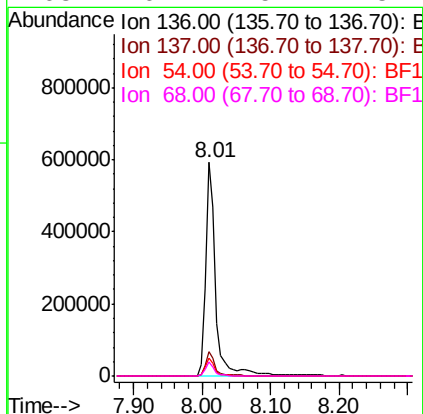
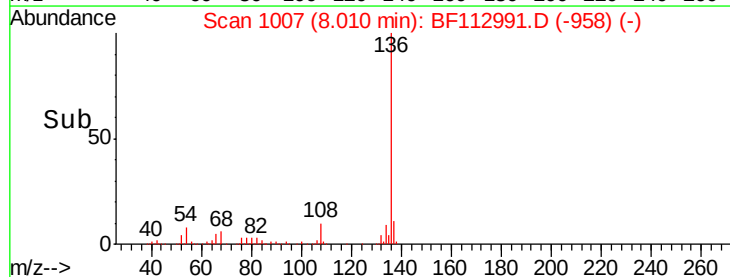
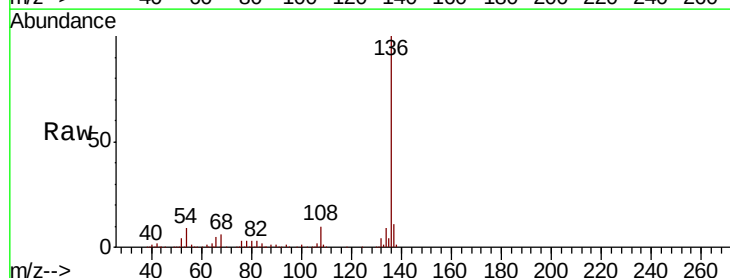
Instrument :
BNA_F
ClientSampleId :

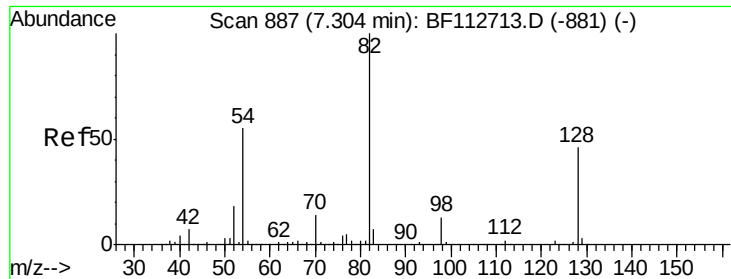
Tot Ion: 70 Resp: 87668
Ion Ratio Lower Upper
70 100
42 49.1 49.9 74.9#
101 0.0 7.4 11.2#
130 2.0 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion: 136 Resp: 623310
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.5 7.3 10.9
68 6.4 5.4 8.2

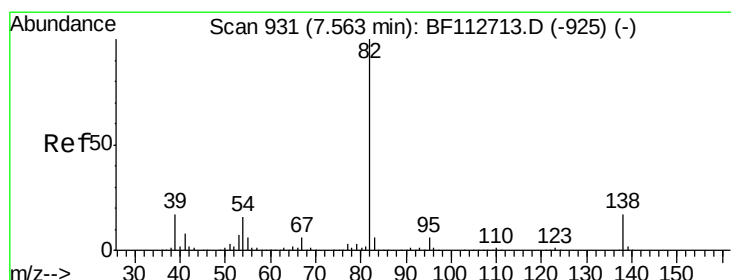
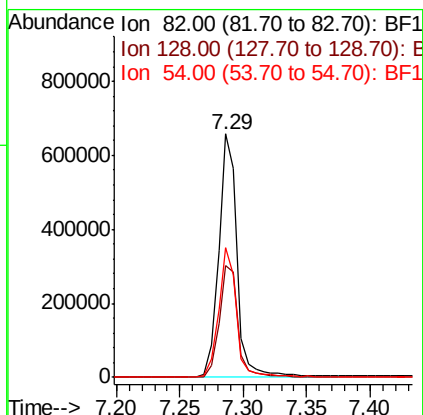
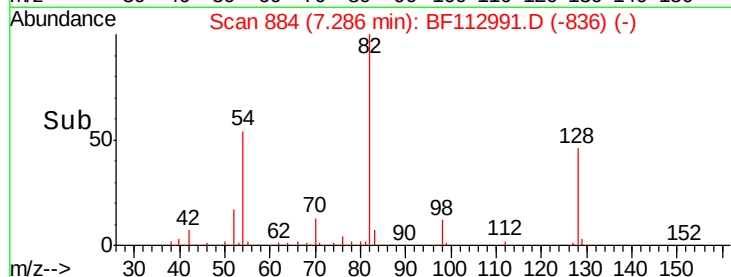
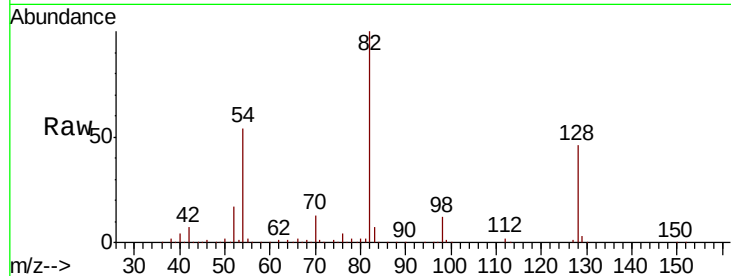




#23
Nitrobenzene-d5
Concen: 64.630 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

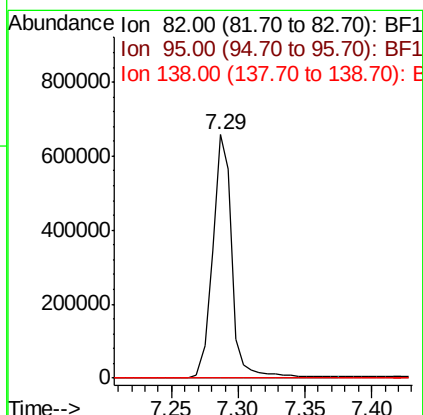
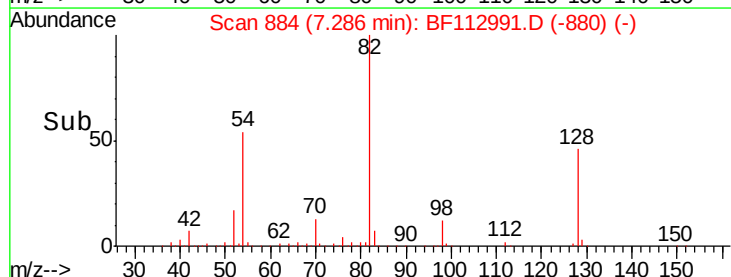
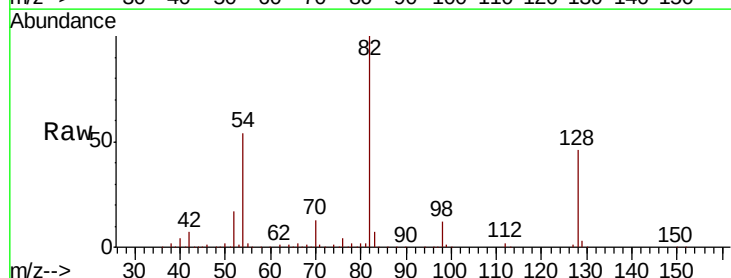
Instrument :
BNA_F
ClientSampled :

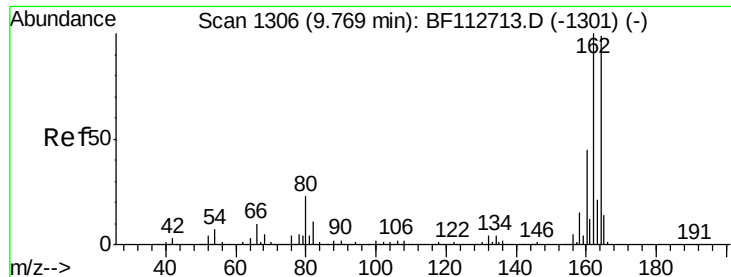
Tot Ion	82	Resp	673223
Ion Ratio	Lower	Upper	
82	100		
128	45.9	36.3	54.5
54	53.5	43.7	65.5



#25
Isophorone
Concen: 29.999 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion	82	Resp	673213
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#

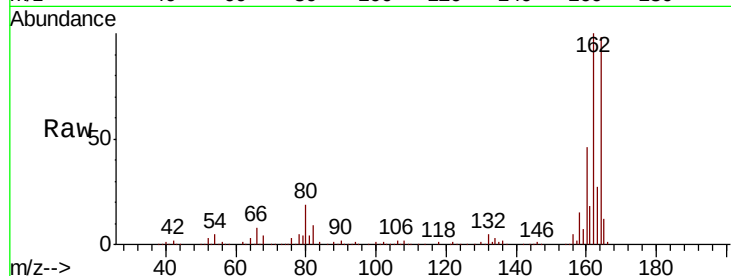




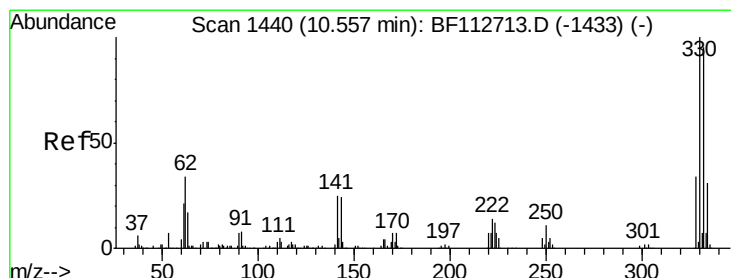
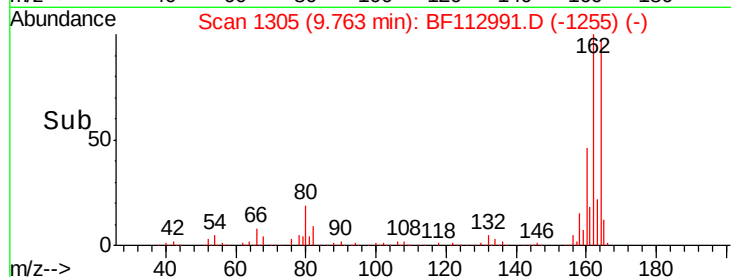
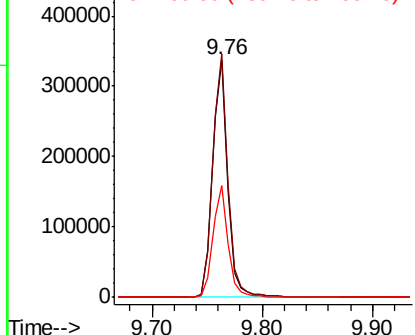
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	46.8	36.0	54.0

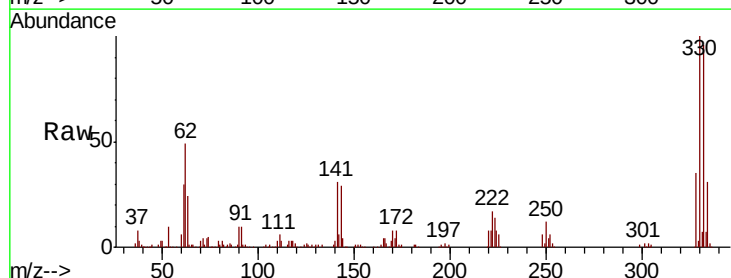


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

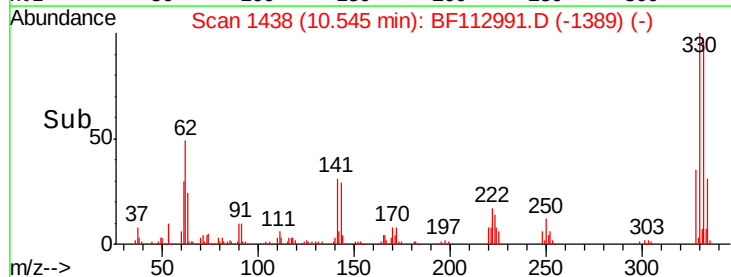
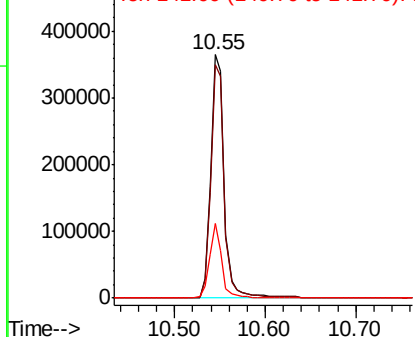


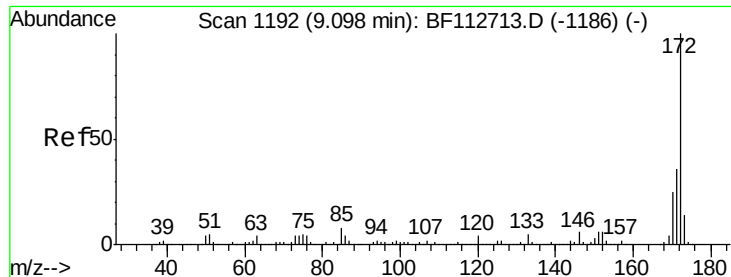
#42
2,4,6-Tribromophenol
Concen: 114.602 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.2	114.4
141	28.4	27.0	40.6



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

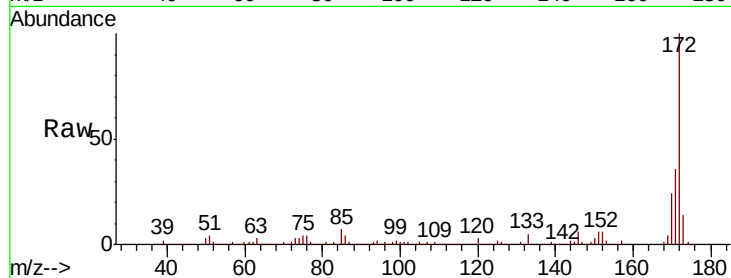




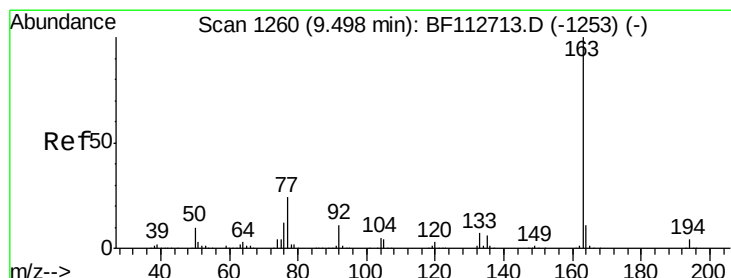
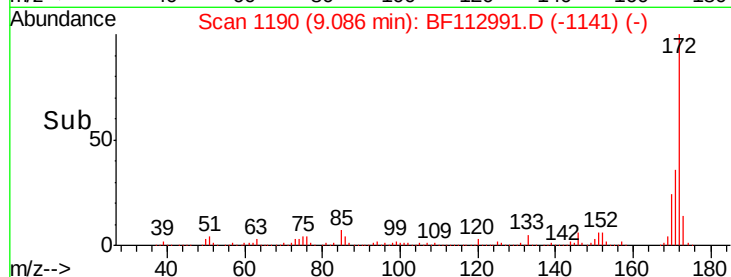
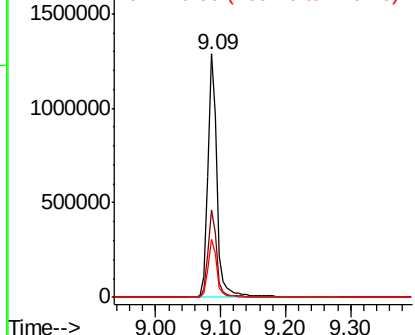
#45
2-Fluorobiphenyl
Concen: 62.272 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1269214
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 24.0 20.0 30.0

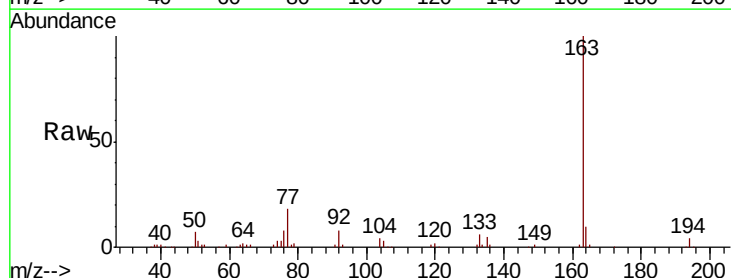


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

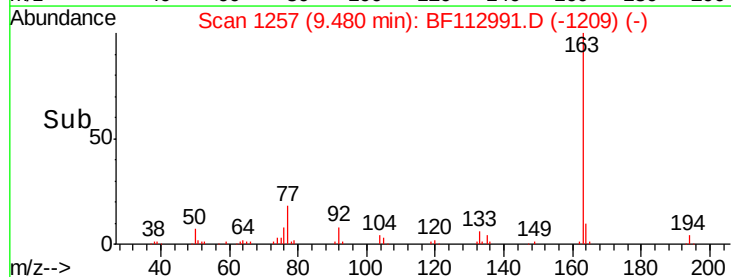
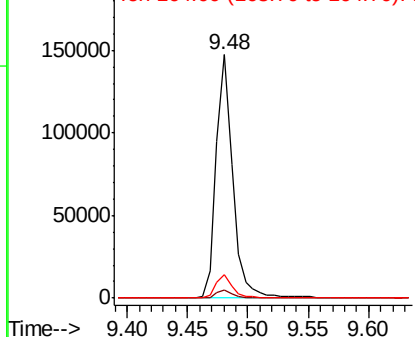


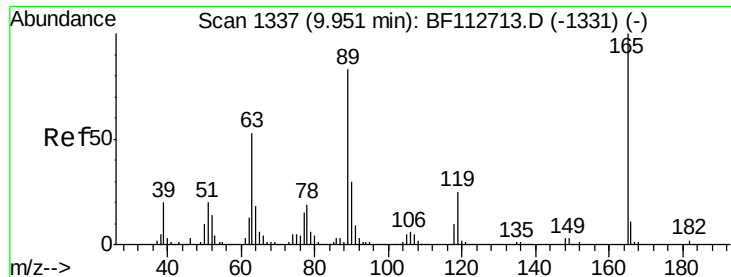
#50
Dimethylphthalate
Concen: 6.011 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion:163 Resp: 139482
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.8 8.4 12.6



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

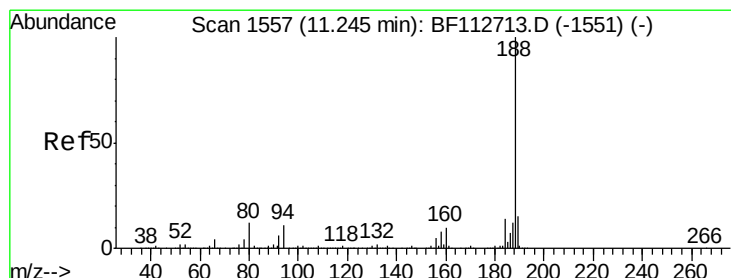
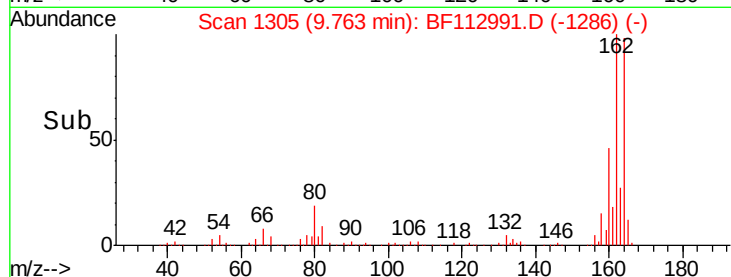
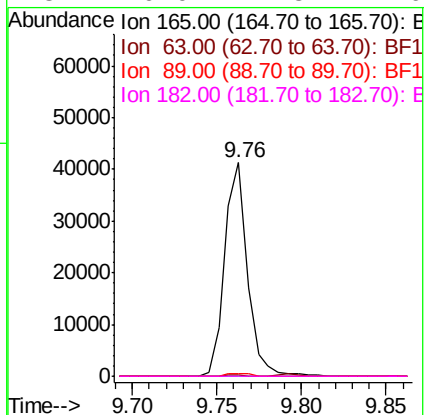
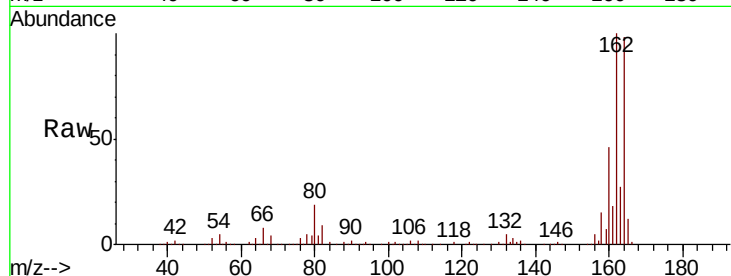




#57
 2,4-Dinitrotoluene
 Concen: 6.453 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

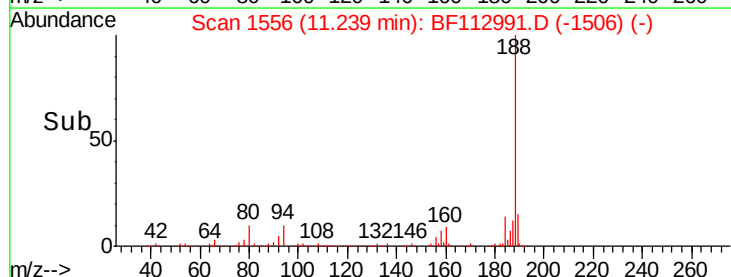
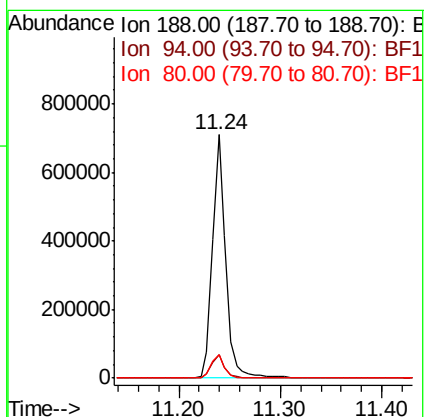
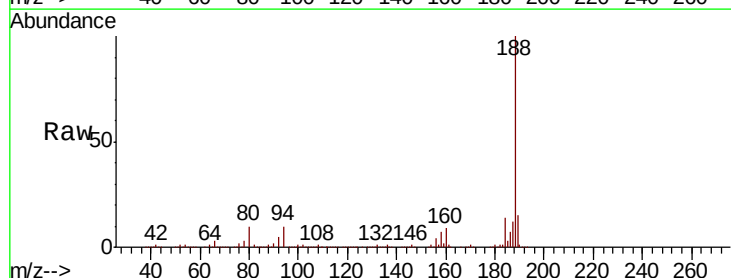
Instrument :
 BNA_F
 ClientSampleId :

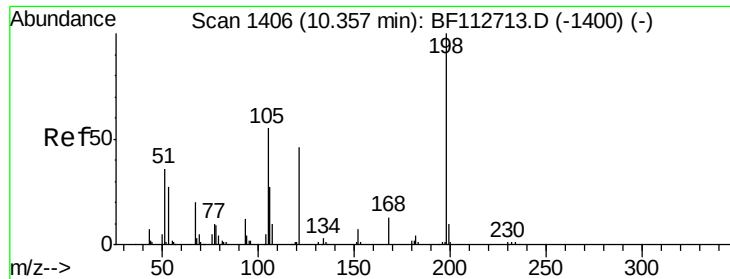
Tot Ion:165	Resp:	38760
Ion Ratio	Lower	Upper
165	100	
63	0.9	42.2 63.2#
89	1.3	66.2 99.4#
182	0.0	1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

Tgt Ion:188	Resp:	648260
Ion Ratio	Lower	Upper
188	100	
94	9.6	9.0 13.4
80	9.7	9.2 13.8

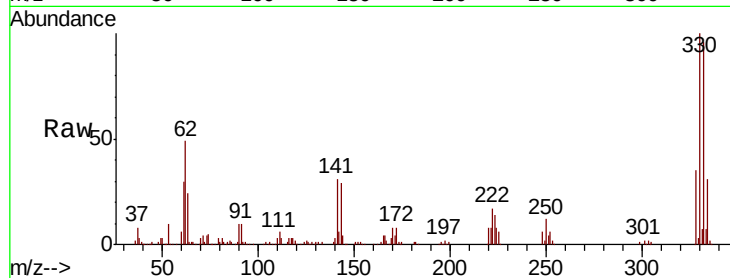




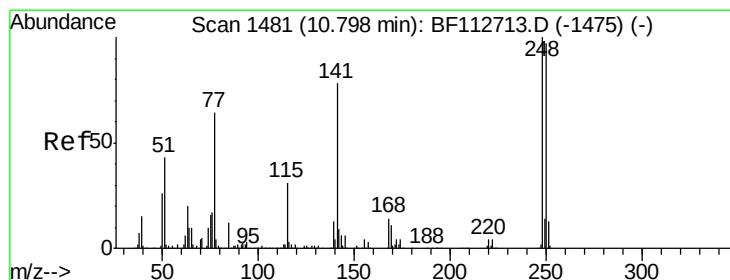
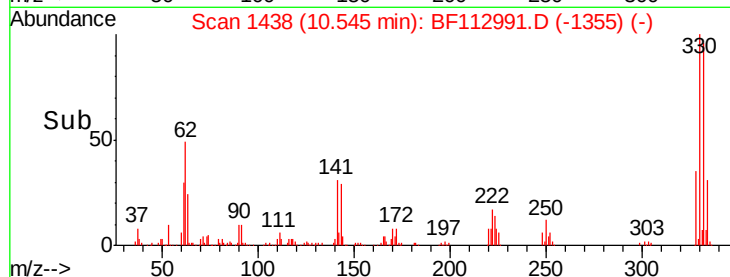
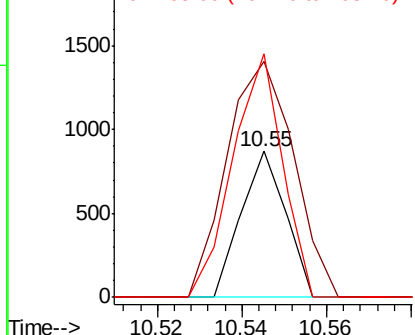
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.828 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 634
 Ion Ratio Lower Upper
 198 100
 51 161.5 43.8 83.8#
 105 166.8 36.5 76.5#

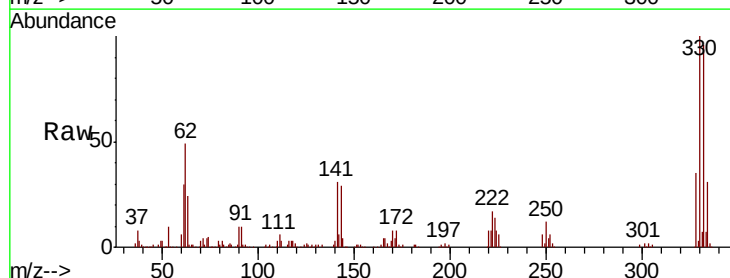


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

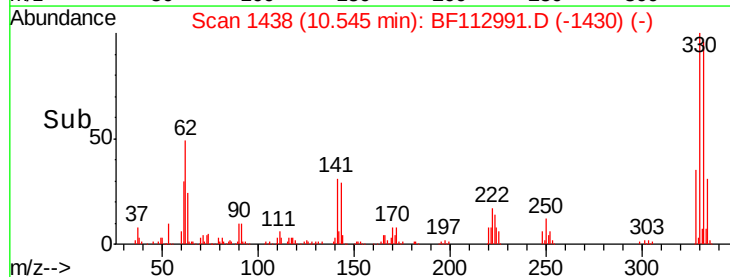
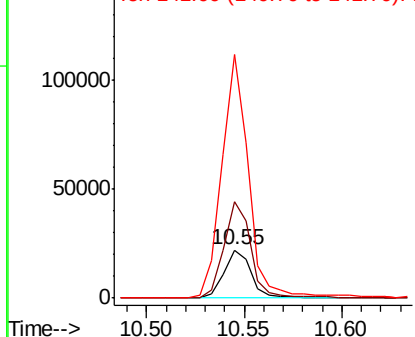


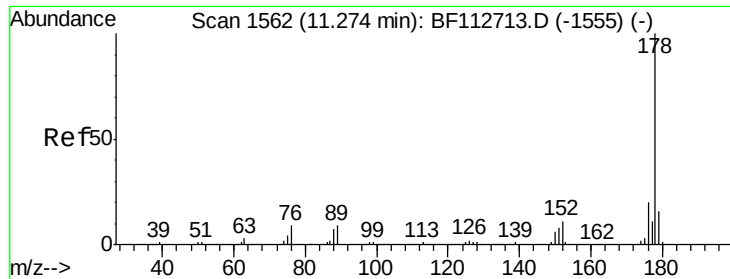
#67
 4-Bromophenyl-phenylether
 Concen: 3.140 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

Tgt Ion:248 Resp: 21437
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.5 116.3#
 141 506.2 62.4 93.6#



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

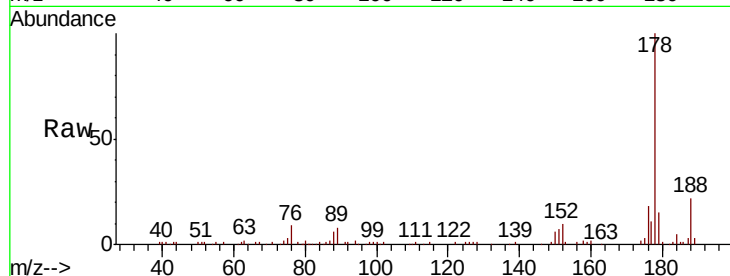




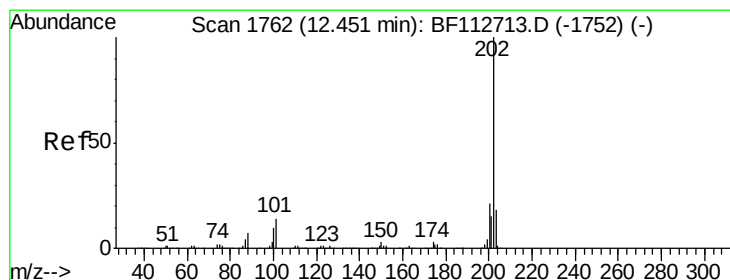
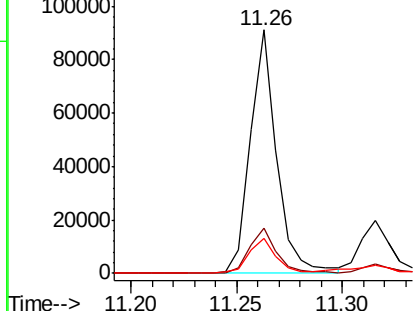
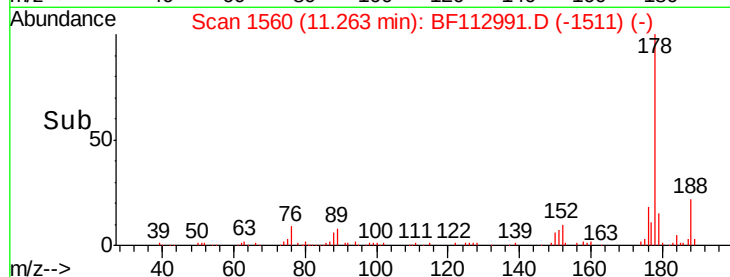
#71
Phenanthrene
Concen: 2.459 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 79299
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 14.6 12.7 19.1

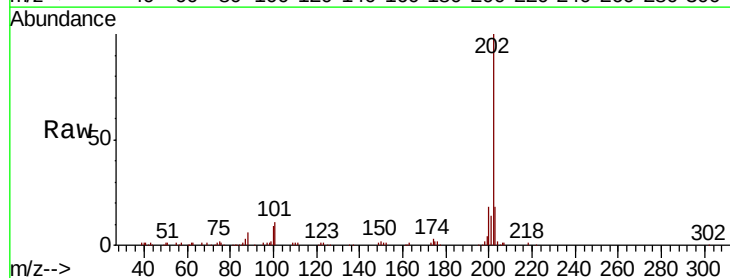


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

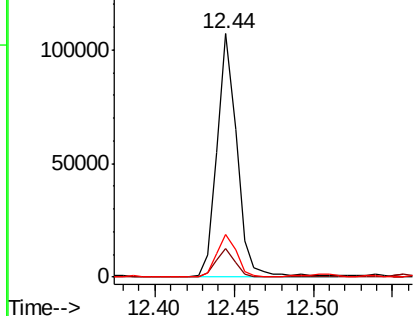
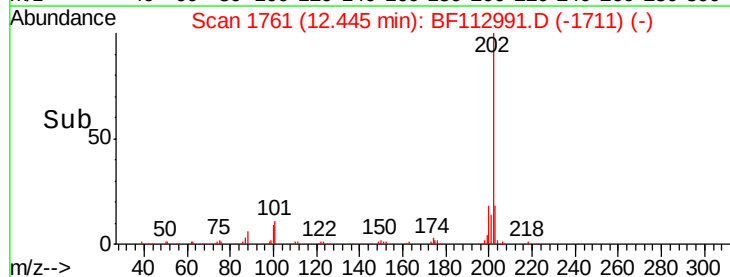


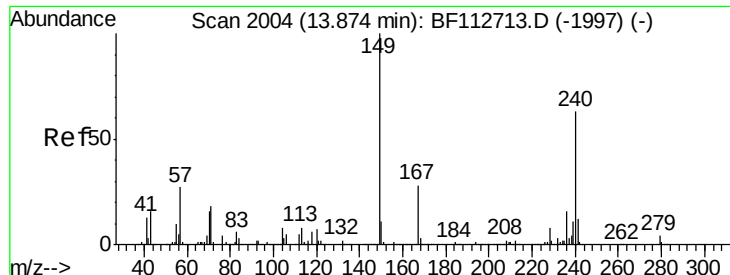
#75
Fluoranthene
Concen: 2.726 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion:202 Resp: 94194
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.8
203 17.6 0.0 38.4



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

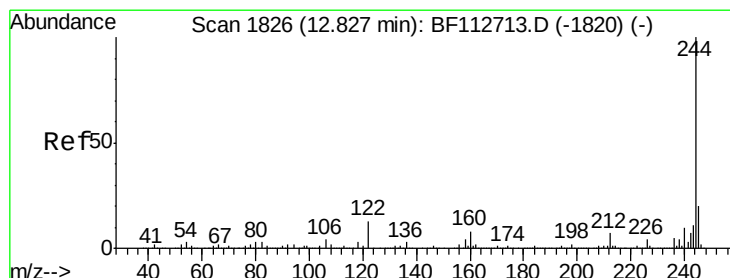
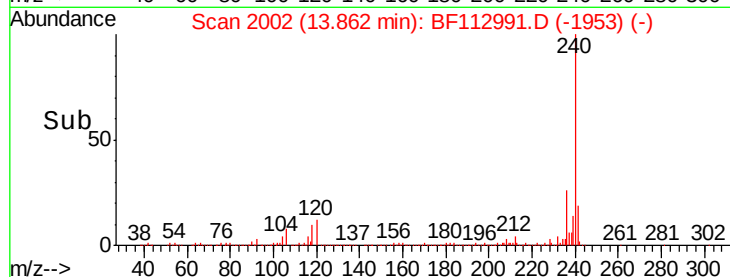
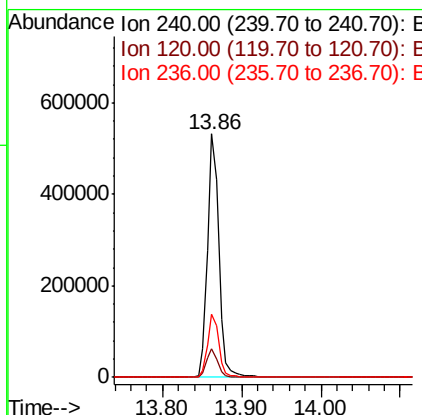
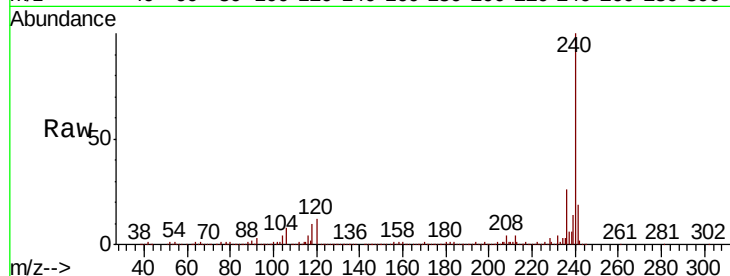




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

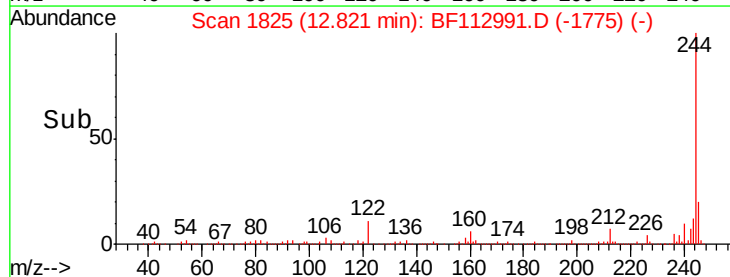
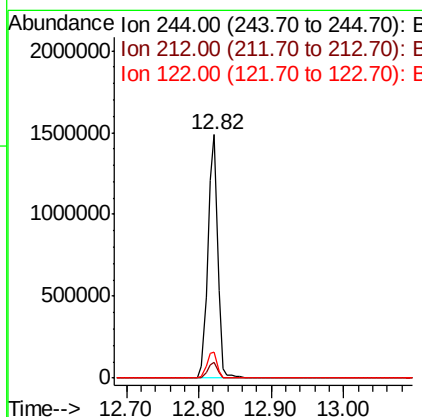
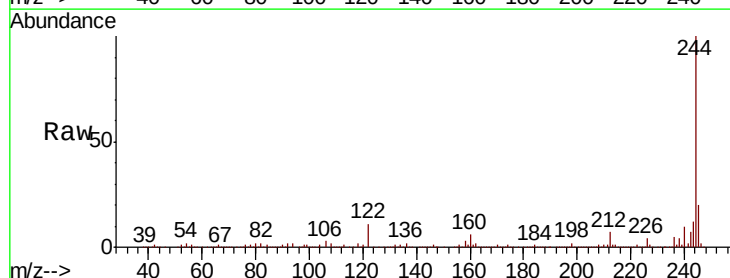
Instrument :
 BNA_F
 ClientSampleId :

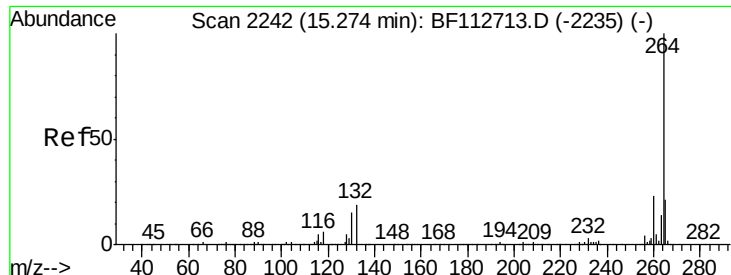
Tot Ion:240 Resp: 538252
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.9 13.3
 236 26.1 20.7 31.1



#79
 Terphenyl-d14
 Concen: 50.272 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112991.D
 Acq: 12 Mar 2019 8:29

Tgt Ion:244 Resp: 1395867
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.5 10.5 15.7



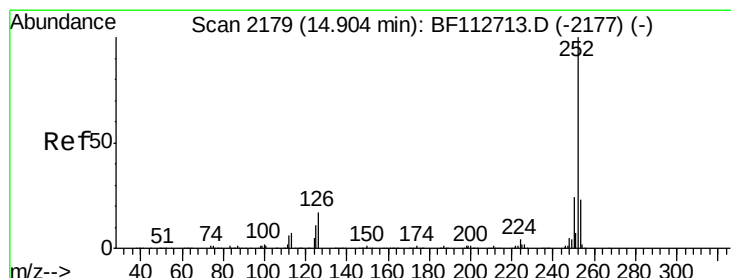
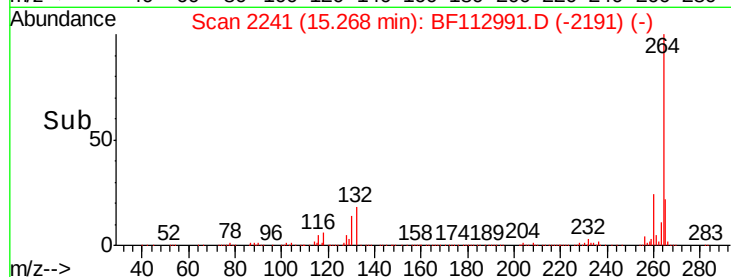
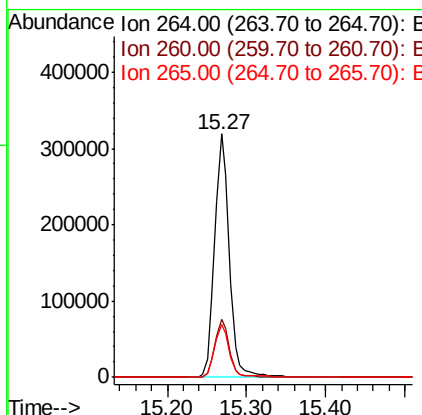
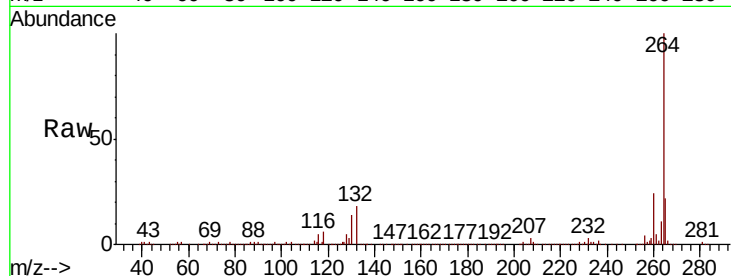


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 413363

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.9	17.2	25.8



#89
Benzo(k)fluoranthene
Concen: 2.141 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112991.D
Acq: 12 Mar 2019 8:29

Tgt Ion:252 Resp: 51862

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	13.7	9.8	14.6

