

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103973.D
 Acq On : 27 Mar 2018 16:51
 Operator : JU/SJ
 Sample : J1760-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:51:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161073	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	633370	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	280600	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	453464	20.00	ng	0.00
75) Chrysene-d12	14.16	240	302911	20.00	ng	-0.01
86) Perylene-d12	15.70	264	277720	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1053561	99.49	ng	0.02
7) Phenol-d6	6.60	99	1245967	96.17	ng	0.00
23) Nitrobenzene-d5	7.53	82	763023	84.01	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	281803	116.80	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1154449	65.63	ng	0.00
78) Terphenyl-d14	13.09	244	880638	67.48	ng	-0.01

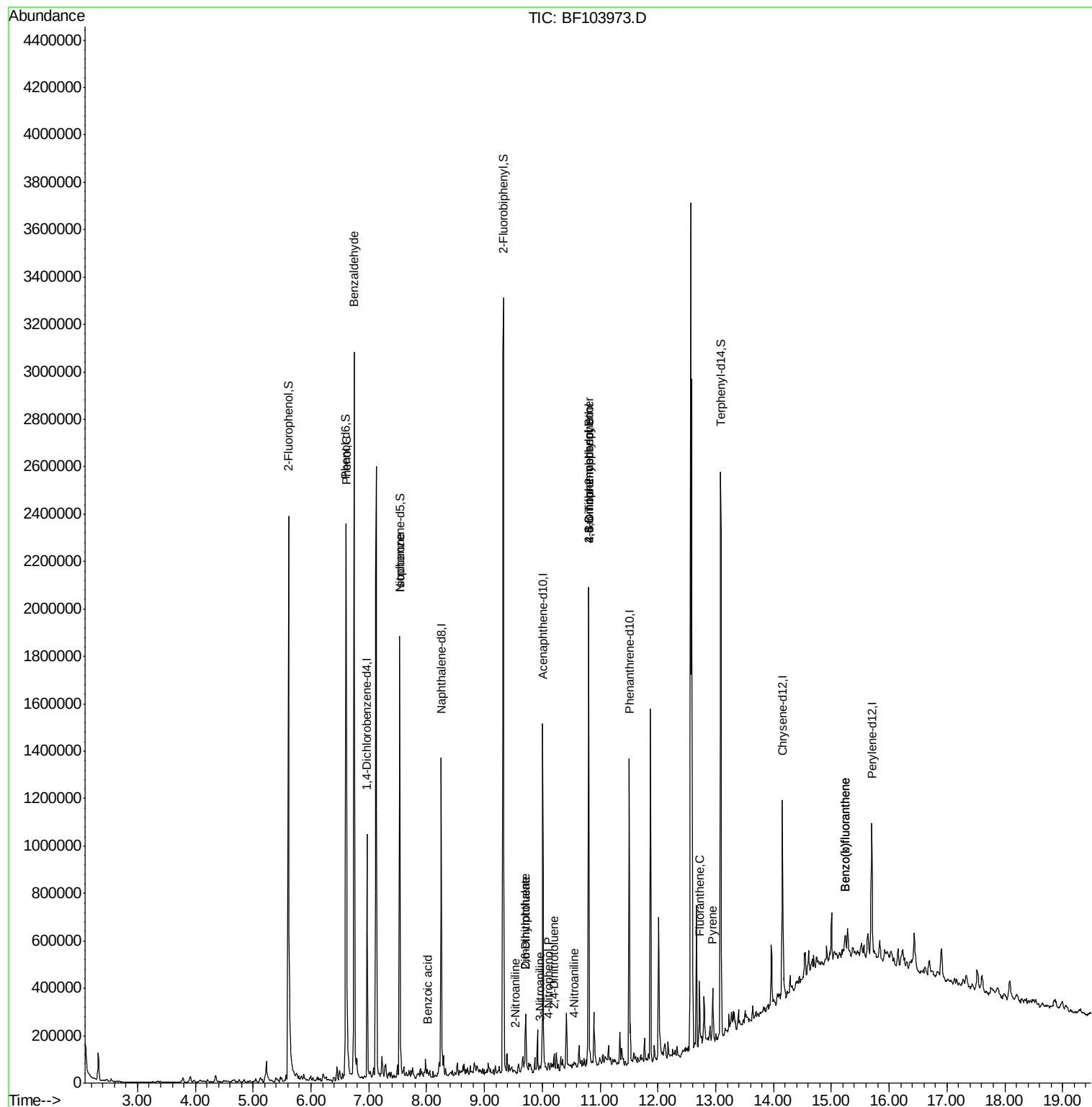
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	21677	2.547	ng	84
10) Phenol	6.62	94	31557	2.292	ng	# 55
25) Isophorone	7.53	82	754060	35.865	ng	# 64
32) Benzoic acid	8.00	122	115	9.920	ng	# 1
47) 2-Nitroaniline	9.54	65	161	6.843	ng	# 2
49) Dimethylphthalate	9.72	163	66116	3.088	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	1330	4.278	ng	# 18
52) 3-Nitroaniline	9.95	138	300	3.870	ng	# 1
55) 4-Nitrophenol	10.11	139	1285	5.277	ng	# 49
56) 2,4-Dinitrotoluene	10.21	165	1604	6.480	ng	# 66
61) 4-Nitroaniline	10.56	138	124	3.773	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	662	8.554	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16558	3.556	ng	# 1
74) Fluoranthene	12.72	202	67189	2.629	ng	98
77) Pyrene	12.95	202	78435	3.526	ng	98
87) Benzo(b)fluoranthene	15.24	252	55058	3.138	ng	# 64
88) Benzo(k)fluoranthene	15.24	252	55058	3.264	ng	# 68

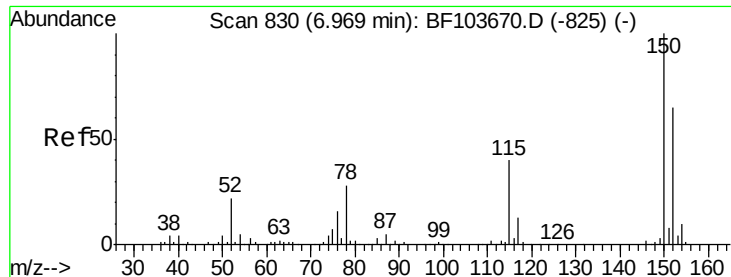
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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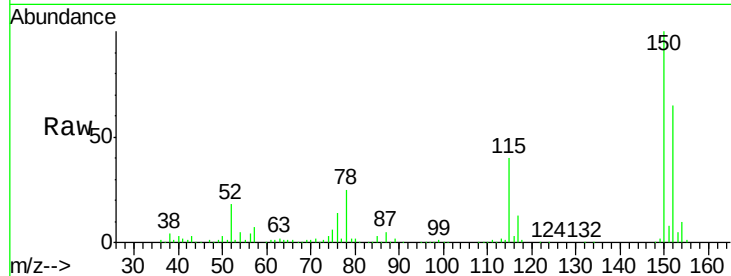


#1

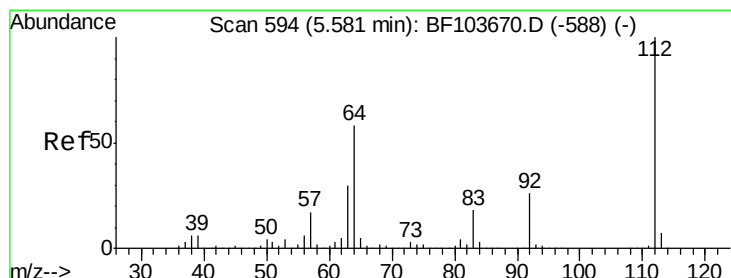
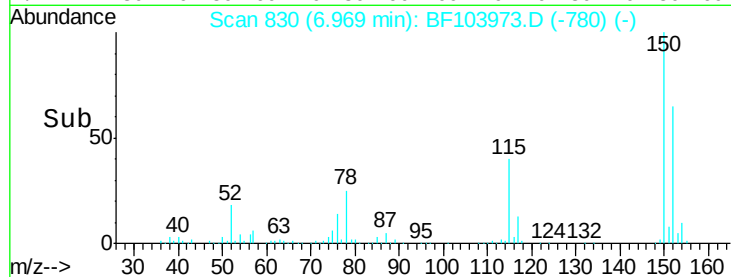
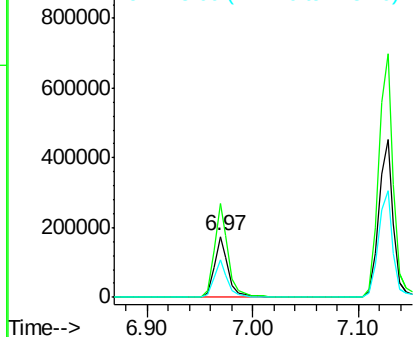
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161073
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 62.3 50.1 75.1



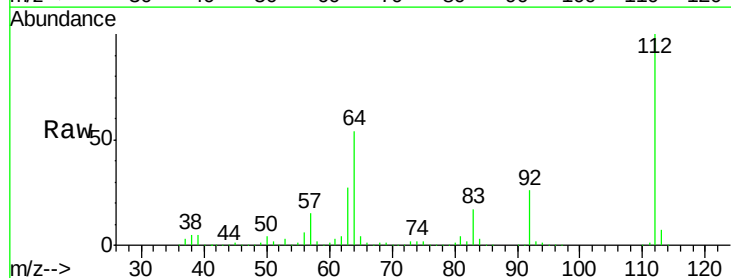
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



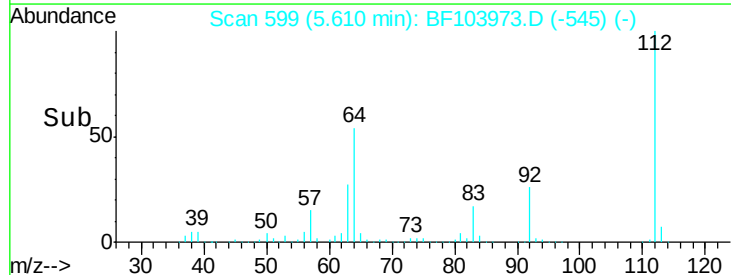
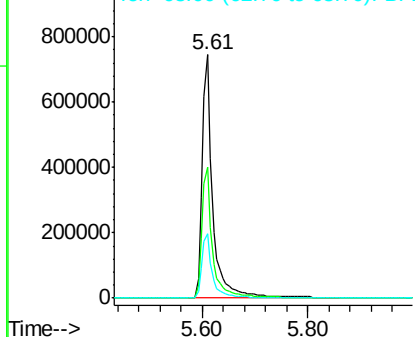
#5

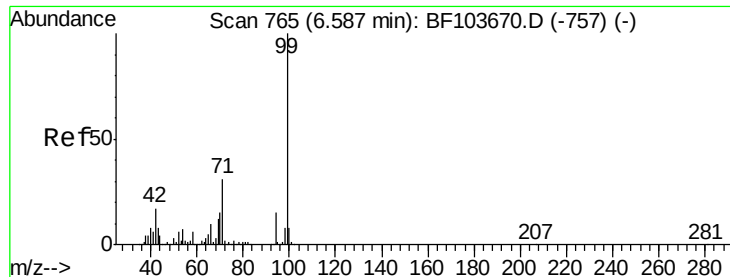
2-Fluorophenol
Concen: 99.487 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:112 Resp: 1053561
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 26.7 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: 96.168 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

Instrument :

BNA_F

ClientSampled :

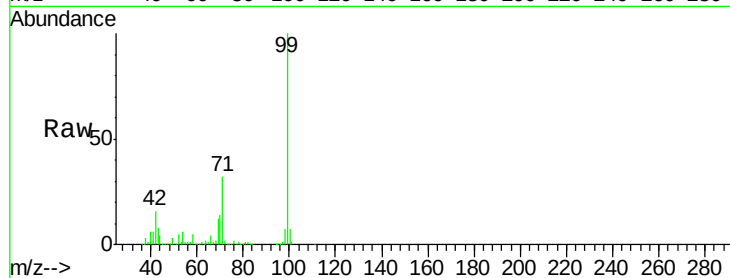
Tot Ion: 99 Resp: 1245967

Ion Ratio Lower Upper

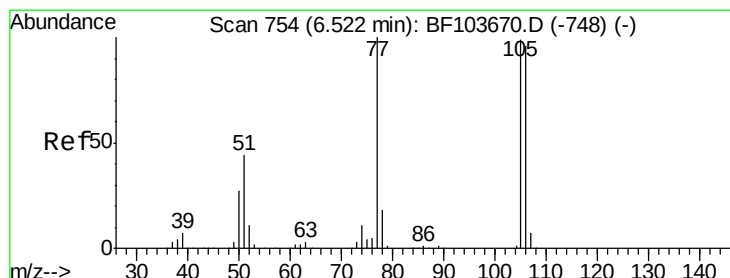
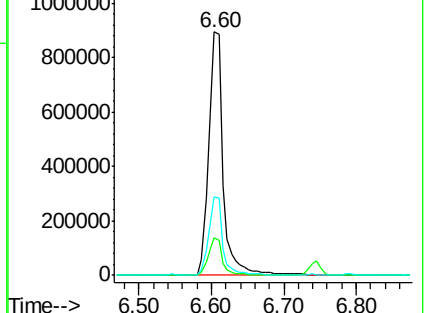
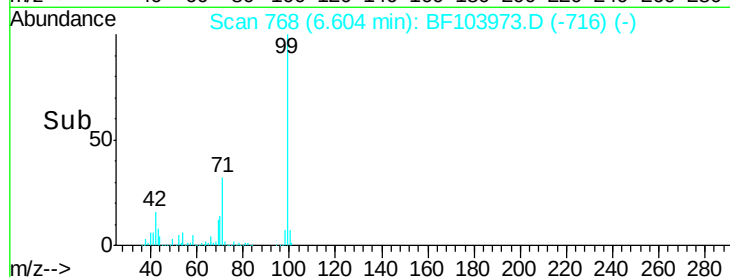
99 100

42 15.6 14.5 21.7

71 32.4 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



#9

Benzaldehyde

Concen: 2.547 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

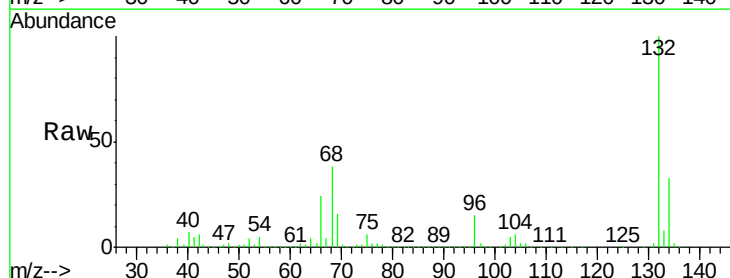
Tgt Ion: 77 Resp: 21677

Ion Ratio Lower Upper

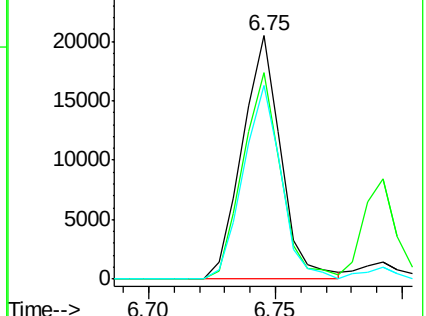
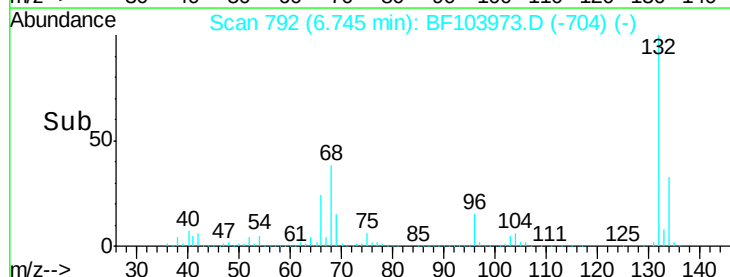
77 100

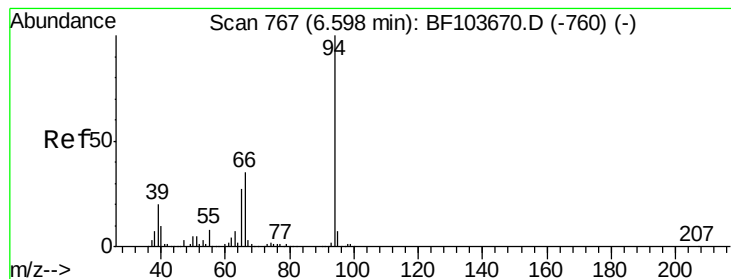
105 85.0 81.1 121.1

106 79.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.292 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

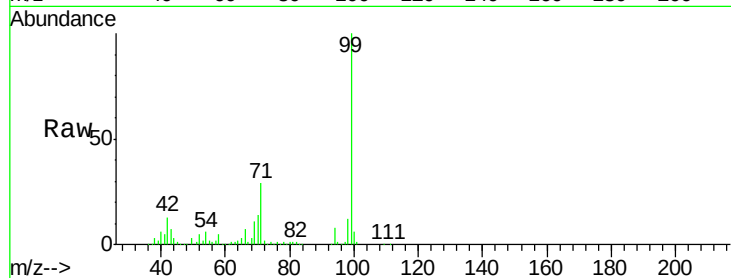
Tot Ion: 94 Resp: 31557

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

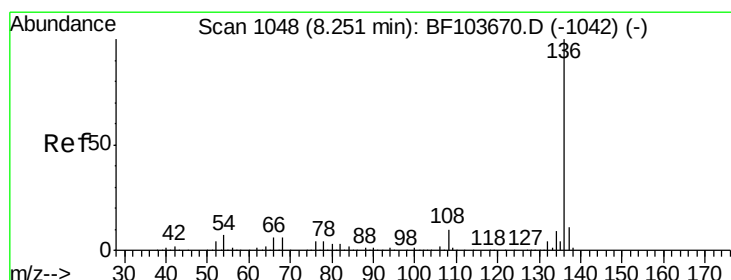
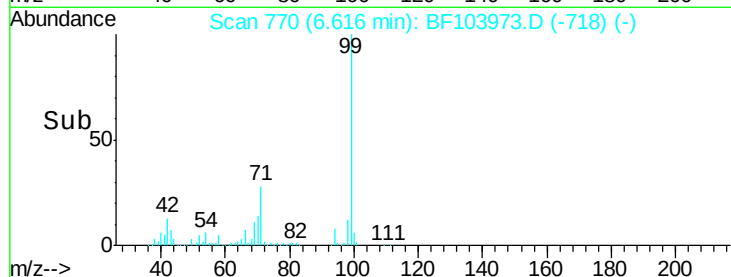
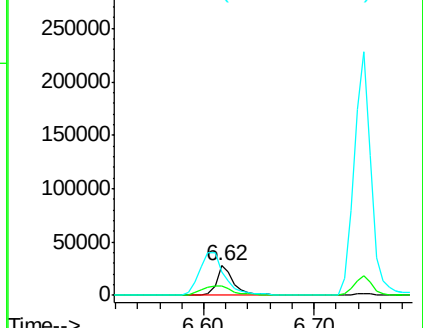
66 78.6 16.2 56.2#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

Tgt Ion: 136 Resp: 633370

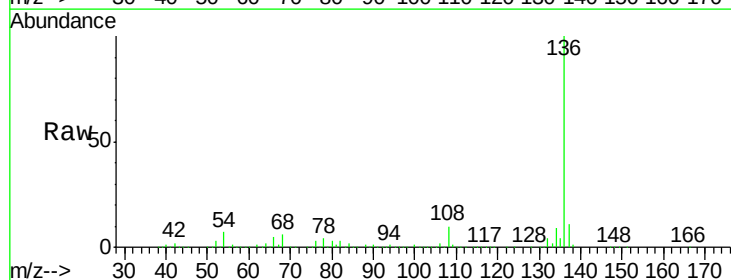
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 6.0 5.0 7.4

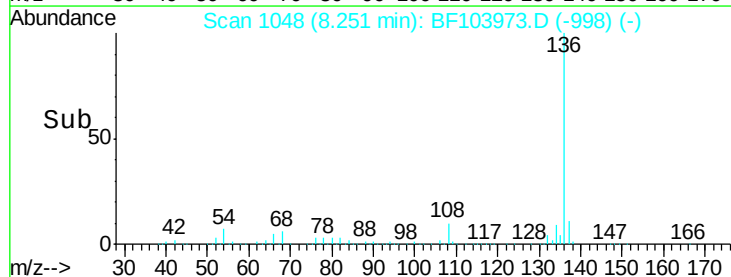
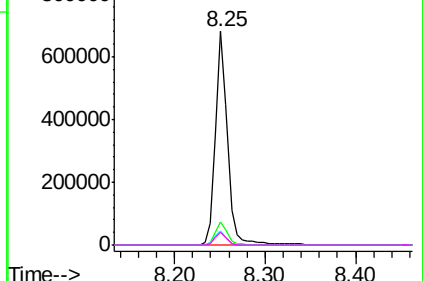


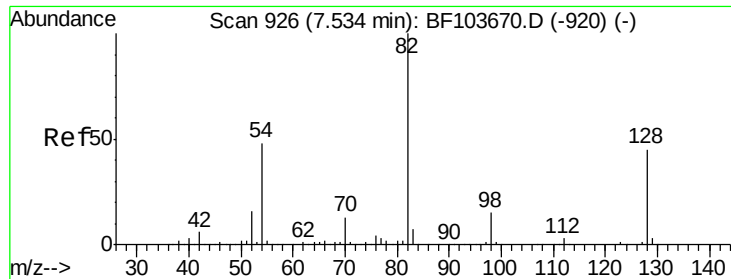
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

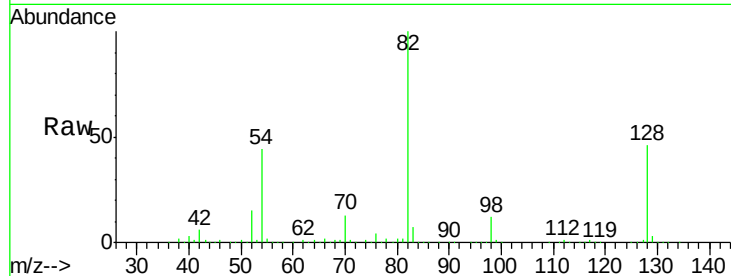




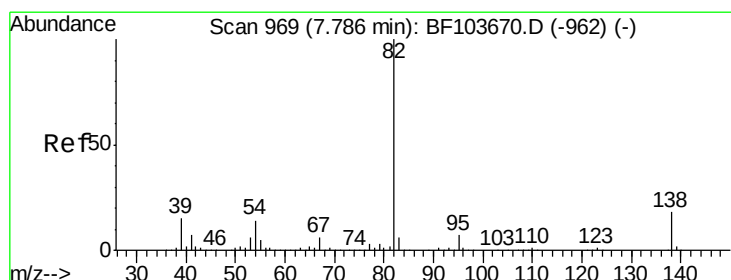
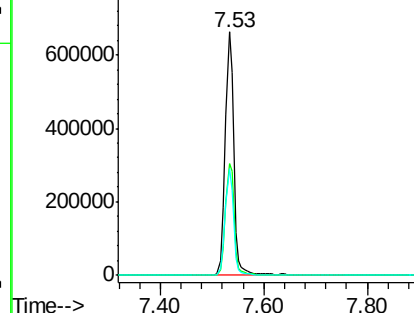
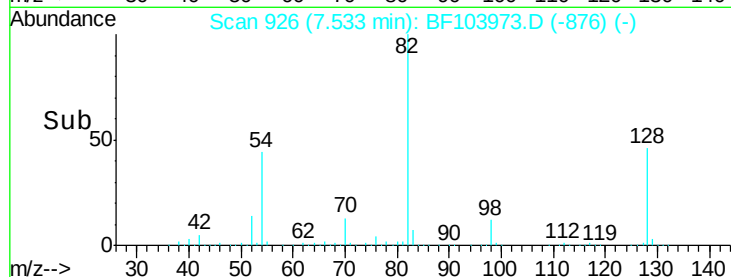
#23
Nitrobenzene-d5
Concen: 84.011 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 763023
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 43.6 41.4 62.2

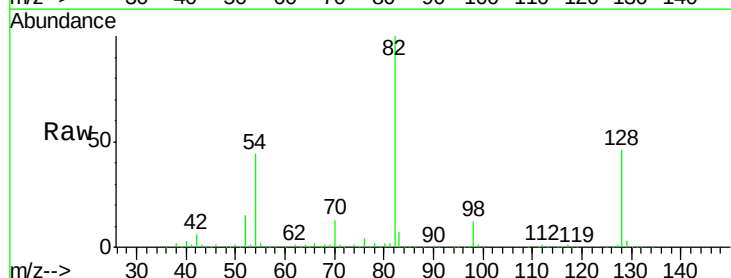


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

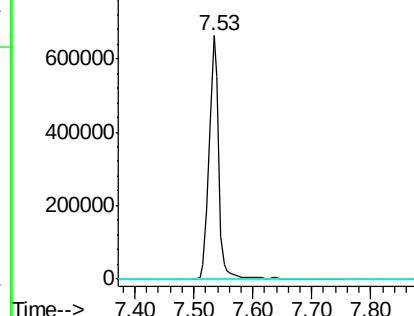
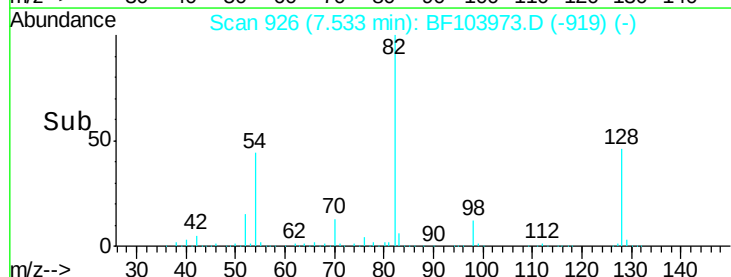


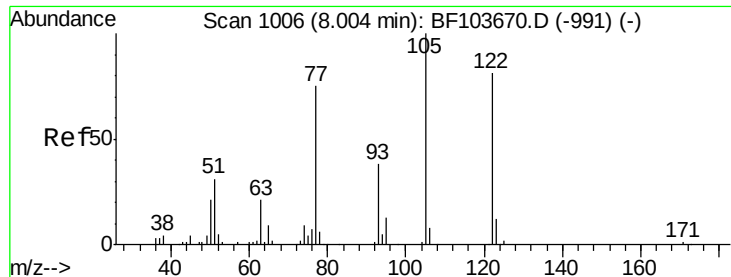
#25
Isophorone
Concen: 35.865 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion: 82 Resp: 754060
Ion Ratio Lower Upper
82 100
95 0.1 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

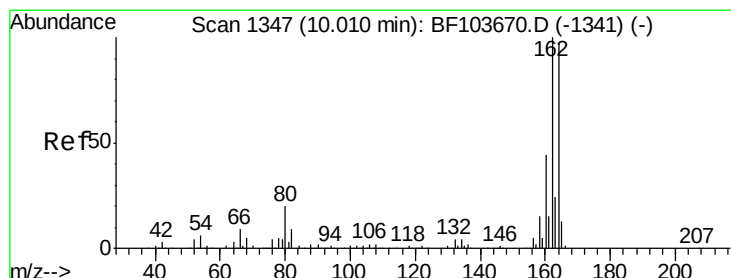
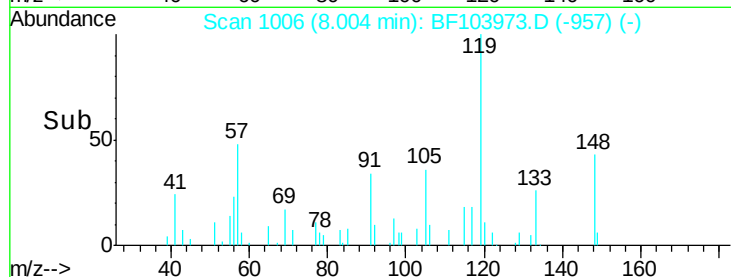
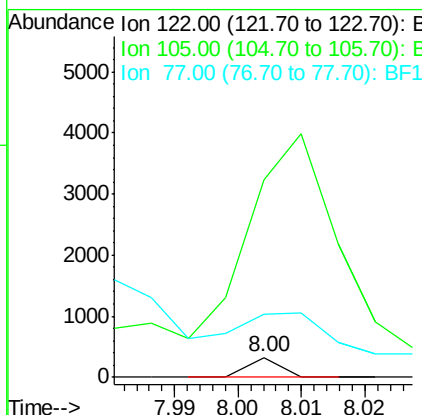
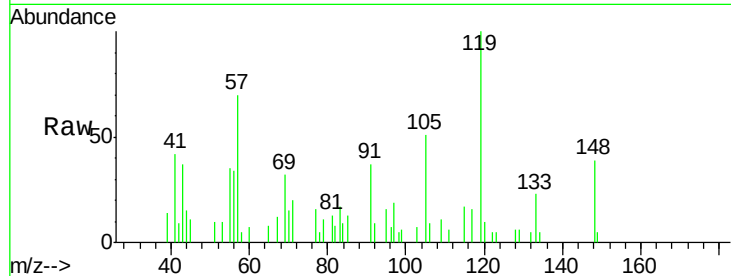




#32
Benzoic acid
Concen: 9.920 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

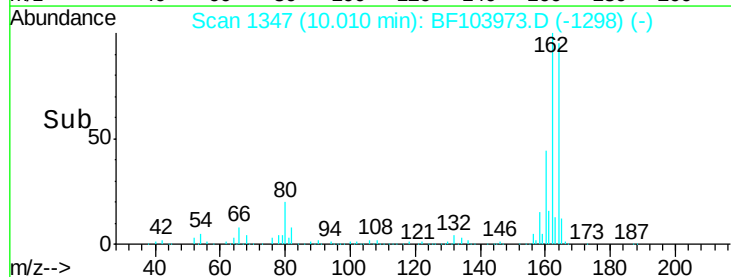
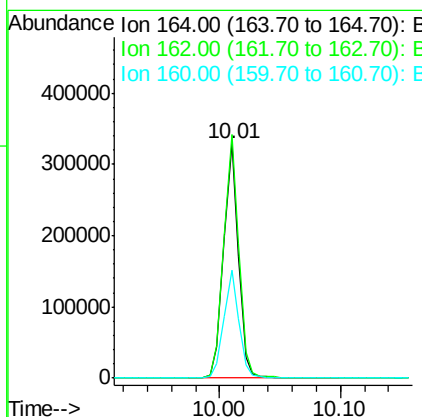
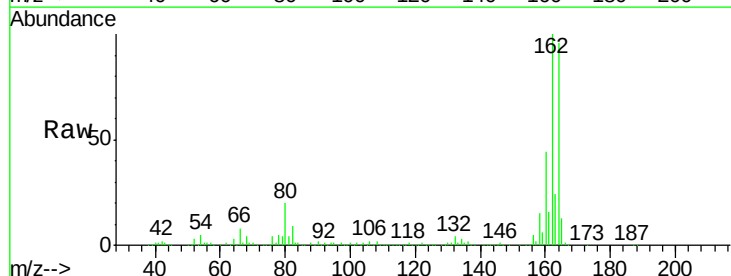
Instrument :
BNA_F
ClientSampleId :

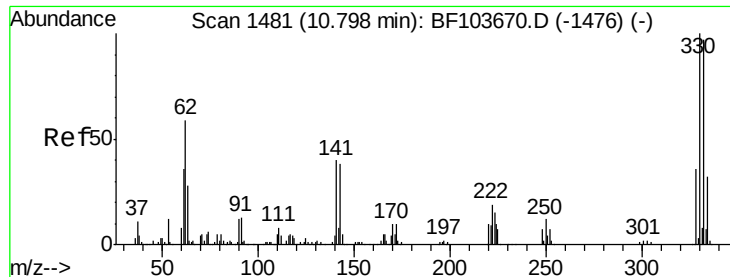
Tot Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 992.9 101.1 141.1#
77 319.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:164 Resp: 280600
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 46.0 38.3 57.5

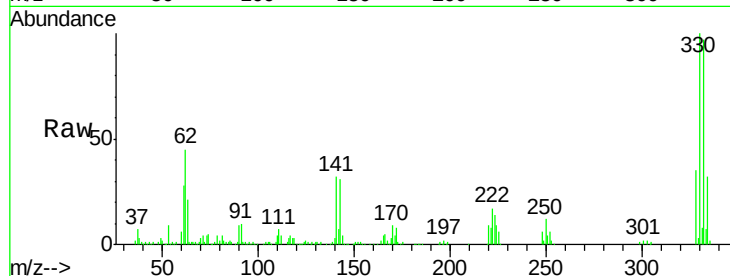




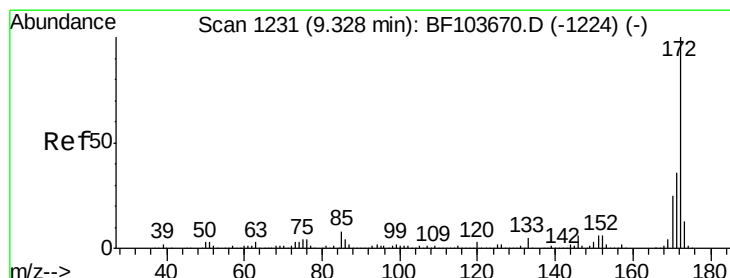
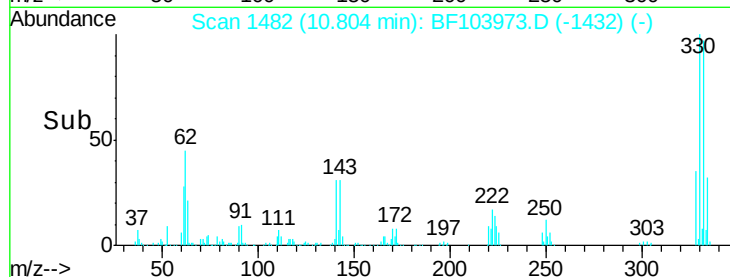
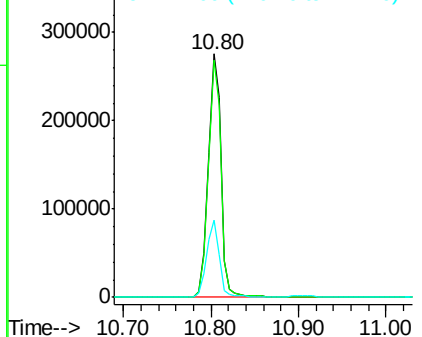
#41
 2,4,6-Tribromophenol
 Concen: 116.804 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	30.7	29.9	44.9

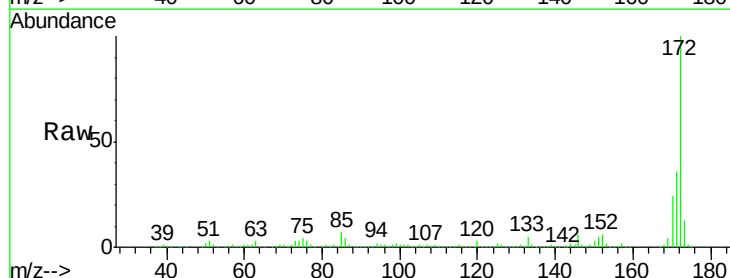


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

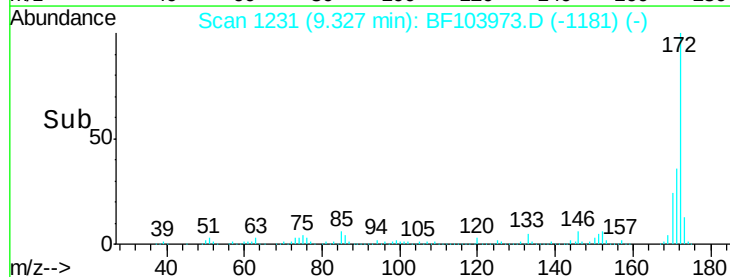
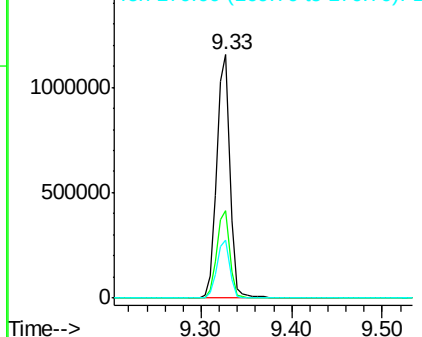


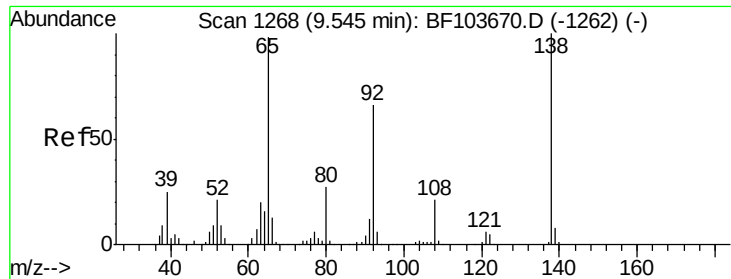
#44
 2-Fluorobiphenyl
 Concen: 65.628 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	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





#47

2-Nitroaniline

Concen: 6.843 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

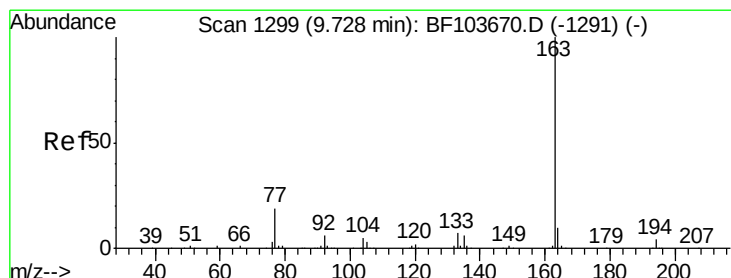
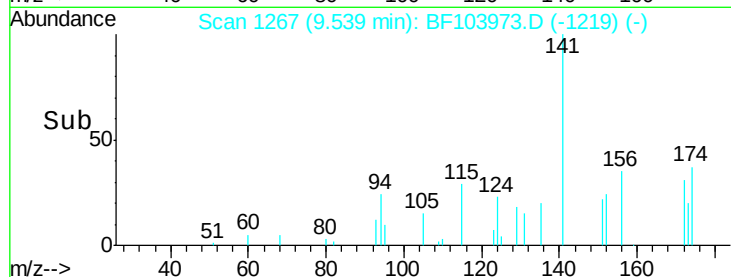
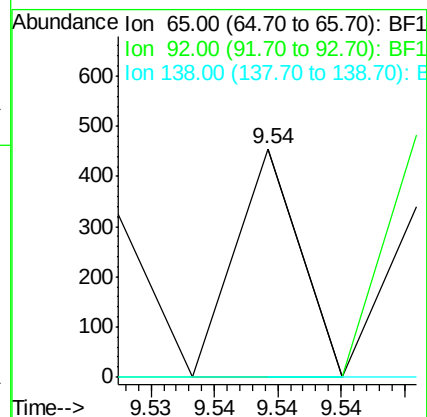
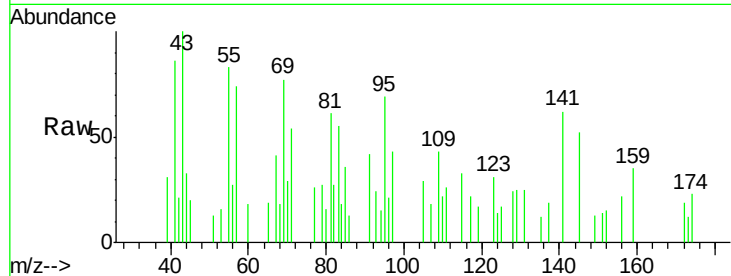
Tot Ion: 65 Resp: 161

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 3.088 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103973.D

Acq: 27 Mar 2018 16:51

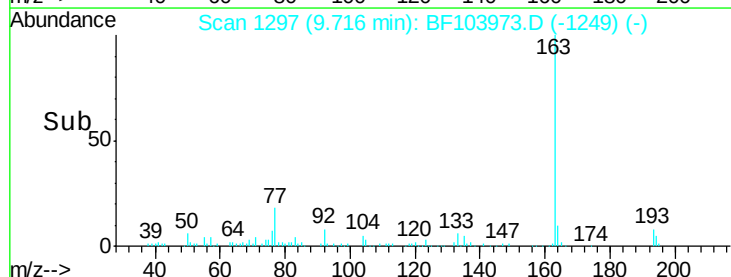
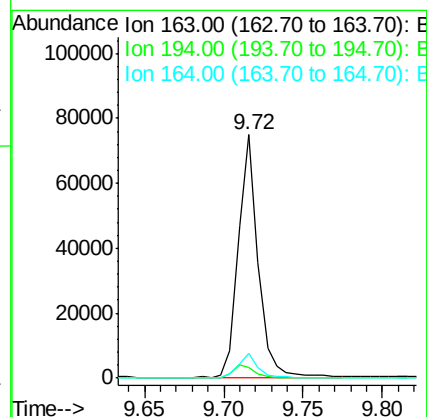
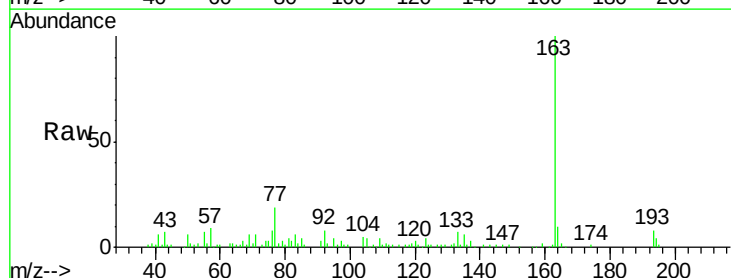
Tgt Ion:163 Resp: 66116

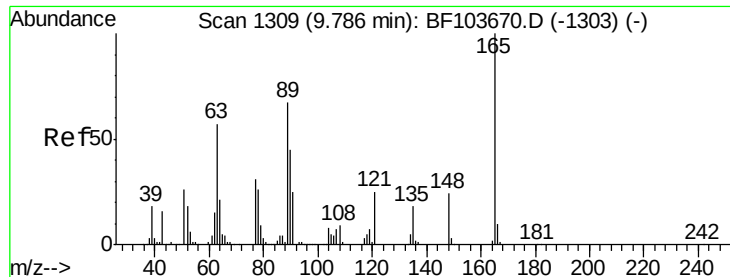
Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

164 10.4 8.2 12.2

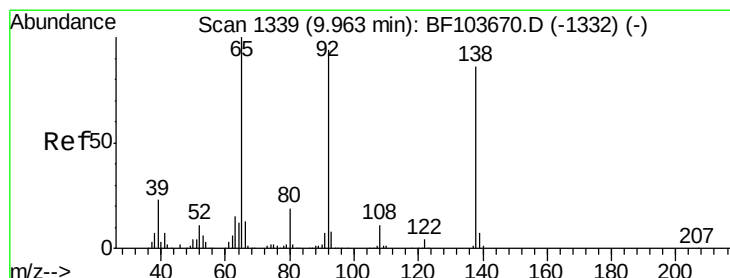
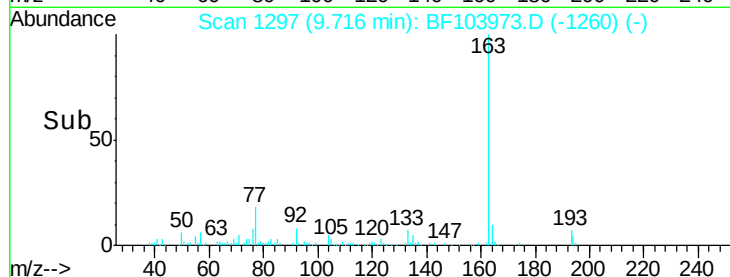
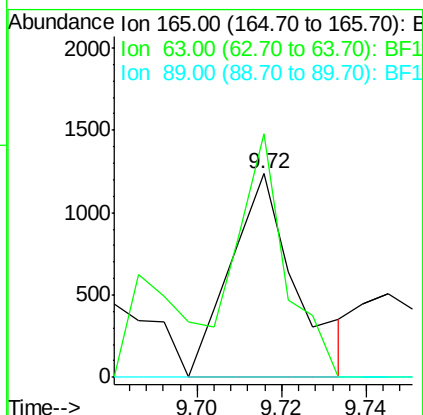
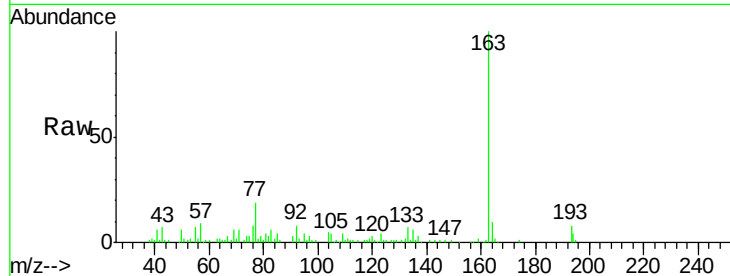




#50
 2,6-Dinitrotoluene
 Concen: 4.278 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.08 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

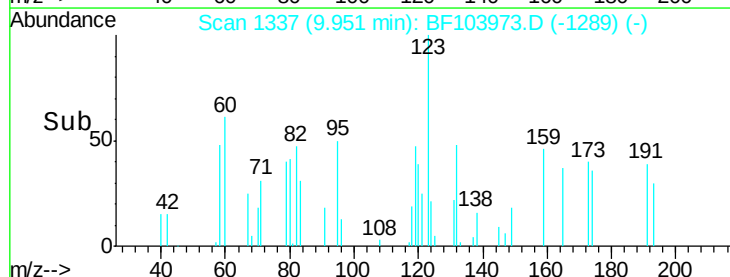
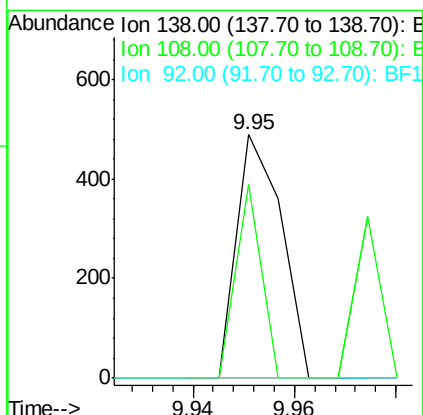
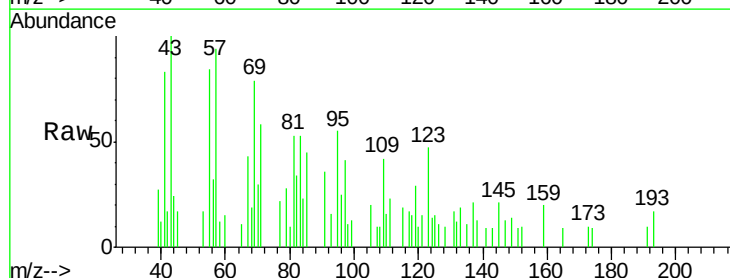
Instrument :
 BNA_F
 ClientSampleId :

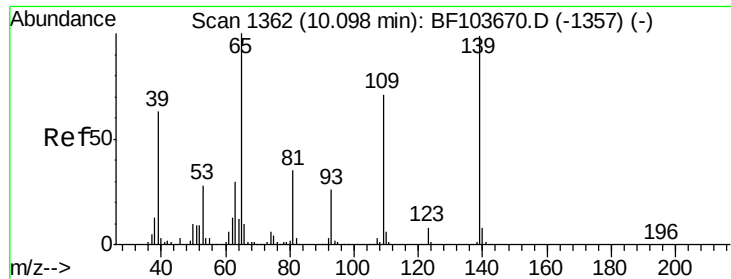
Tot Ion:165 Resp: 1330
 Ion Ratio Lower Upper
 165 100
 63 119.6 44.7 67.1#
 89 0.0 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 3.870 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Tgt Ion:138 Resp: 300
 Ion Ratio Lower Upper
 138 100
 108 79.8 9.4 14.0#
 92 0.0 89.4 134.2#

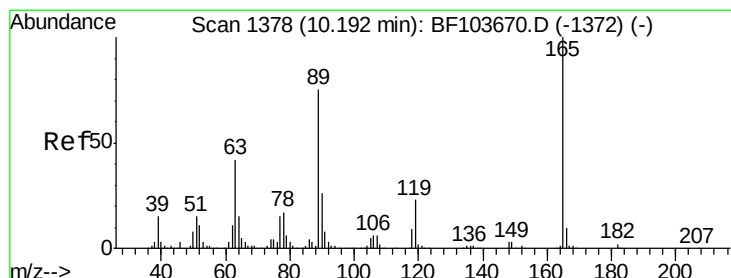
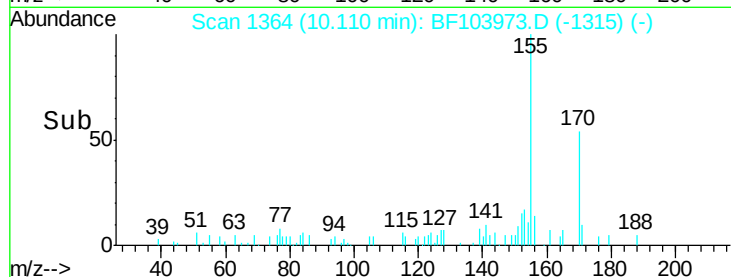
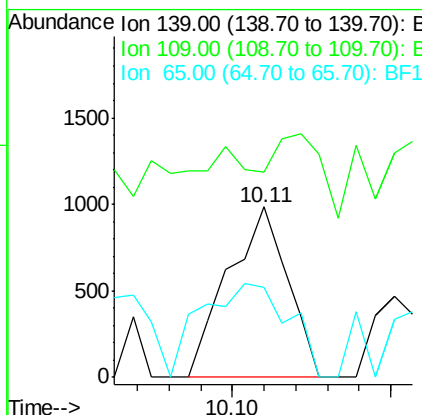
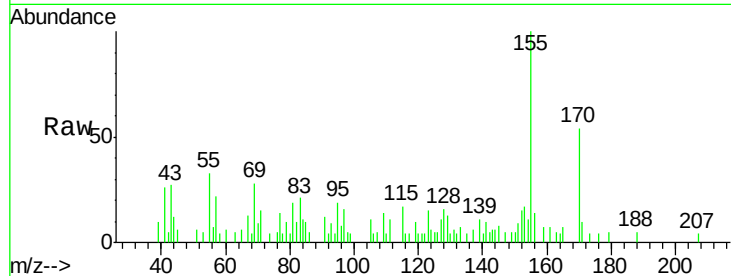




#55
4-Nitrophenol
Concen: 5.277 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

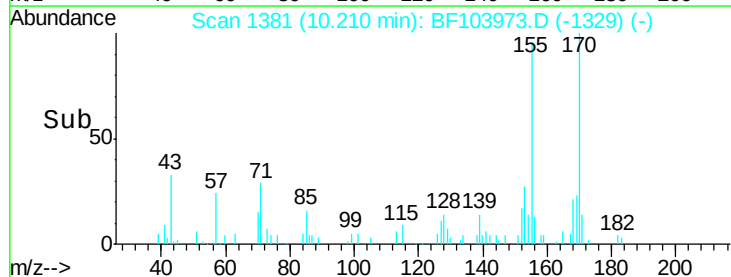
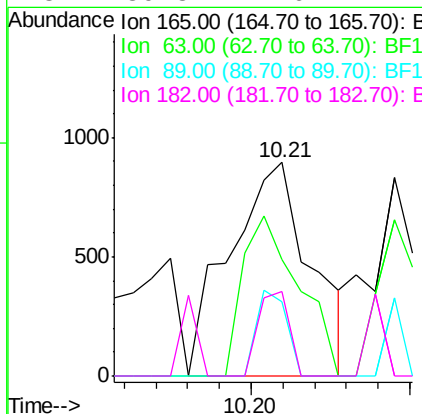
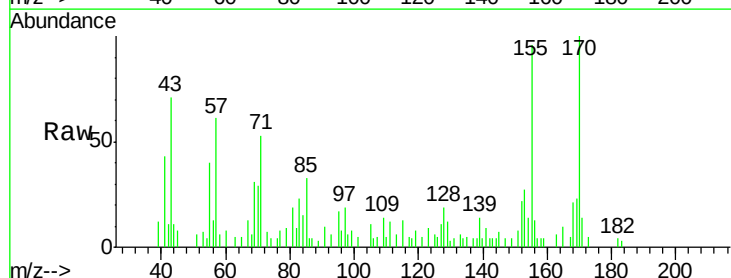
Instrument :
BNA_F
ClientSampleId :

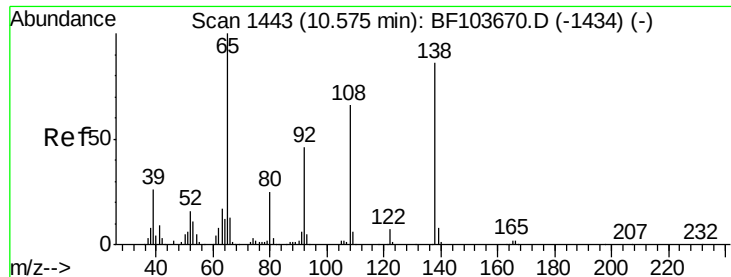
Tot Ion:139 Resp: 1285
Ion Ratio Lower Upper
139 100
109 120.5 48.4 88.4#
65 53.2 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.480 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:165 Resp: 1604
Ion Ratio Lower Upper
165 100
63 54.7 36.4 54.6#
89 34.7 57.8 86.6#
182 39.8 1.6 2.4#

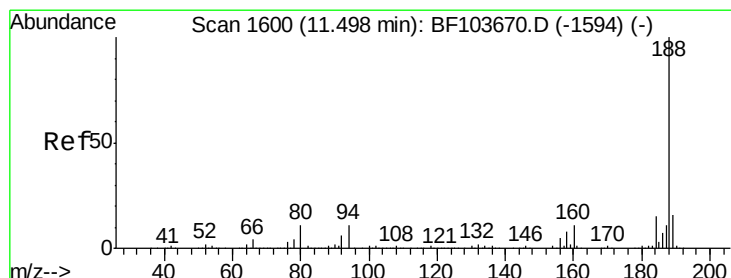
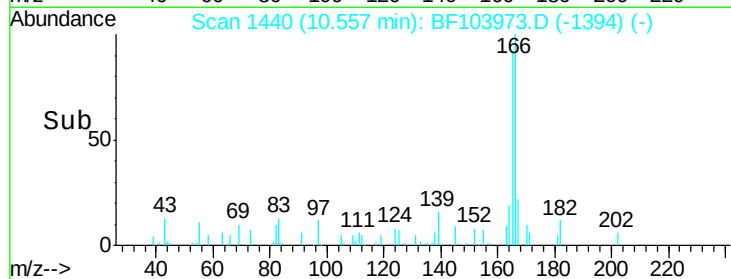
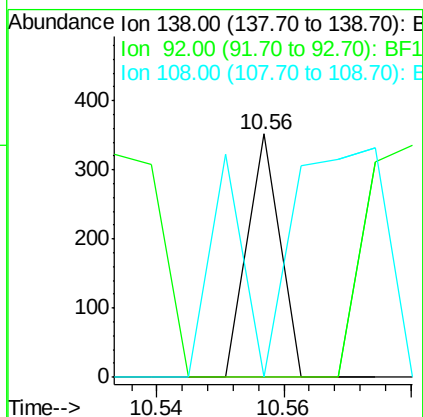
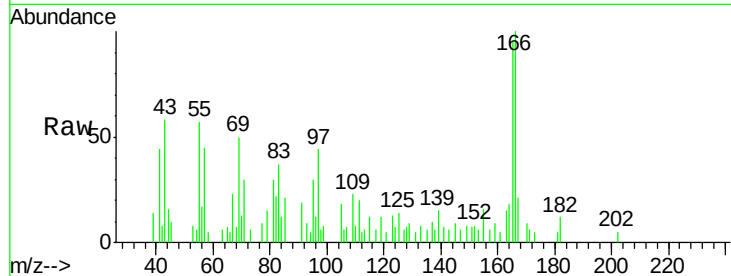




#61
4-Nitroaniline
Concen: 3.773 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

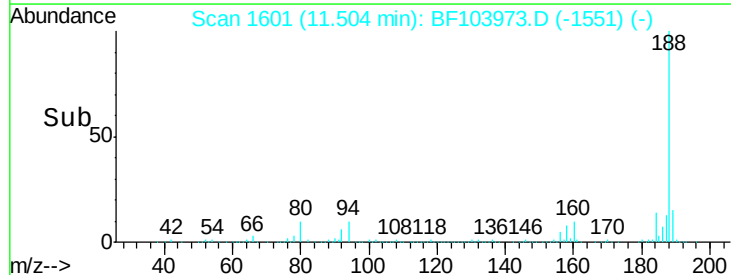
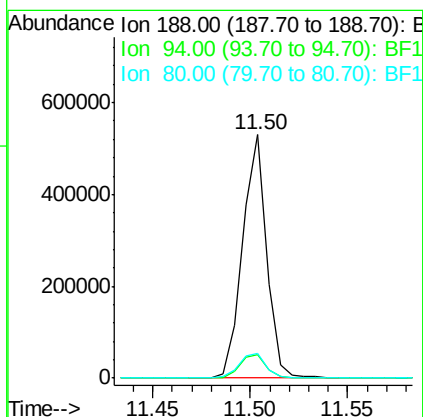
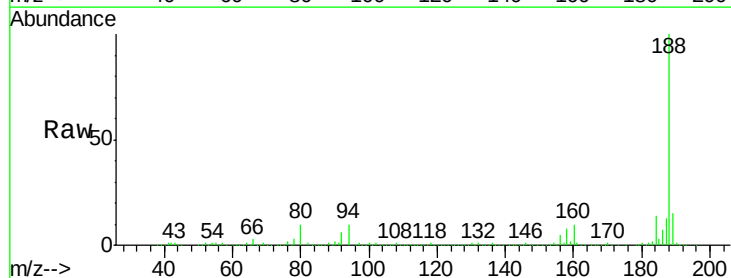
Instrument :
BNA_F
ClientSampleId :

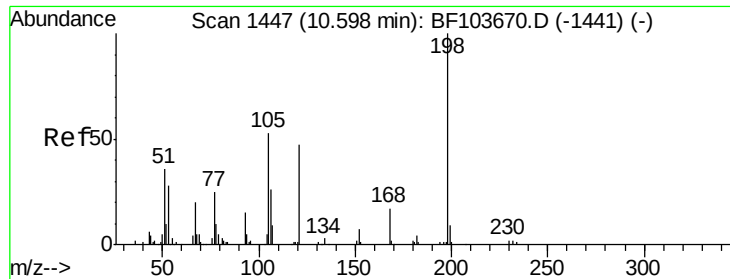
Tot Ion:138 Resp: 124
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:188 Resp: 453464
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.3 9.2 13.8

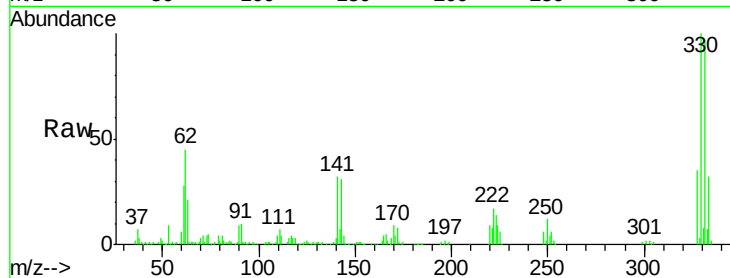




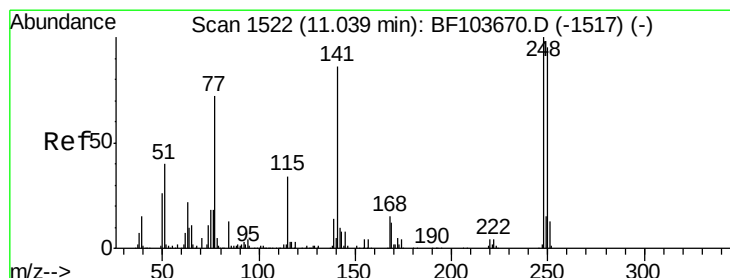
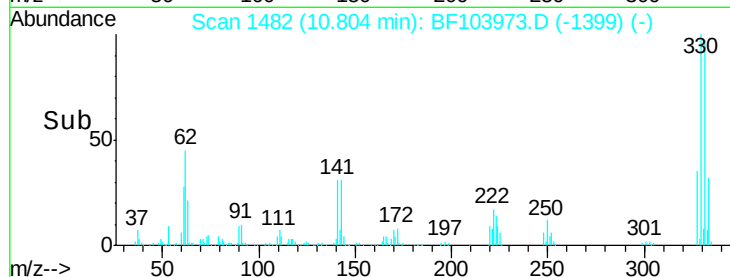
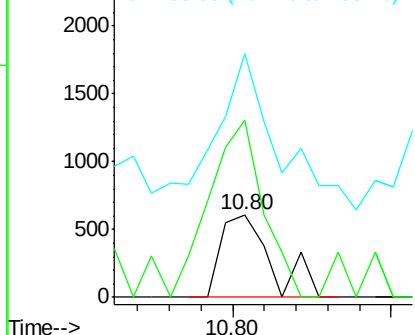
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.554 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 662
 Ion Ratio Lower Upper
 198 100
 51 214.4 37.7 77.7#
 105 294.3 36.3 76.3#

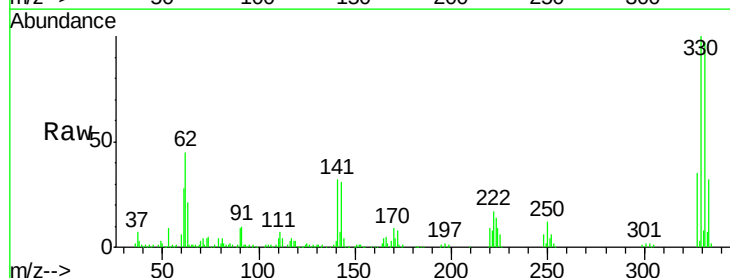


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

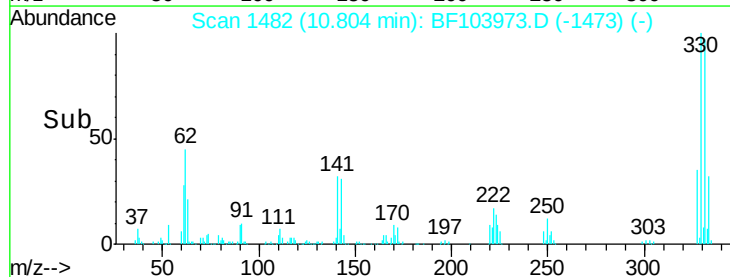
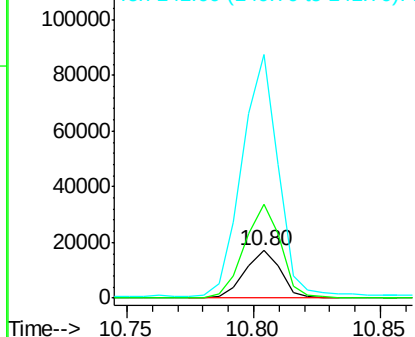


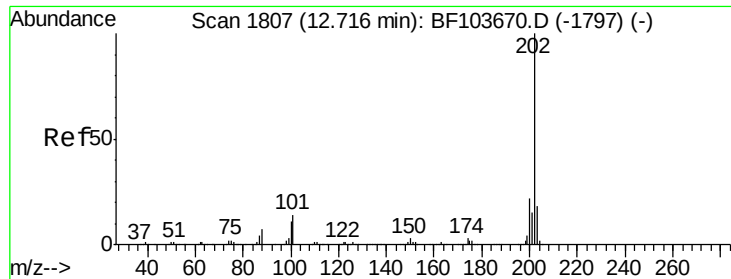
#66
 4-Bromophenyl-phenylether
 Concen: 3.556 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Tgt Ion:248 Resp: 16558
 Ion Ratio Lower Upper
 248 100
 250 197.9 76.9 115.3#
 141 511.9 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

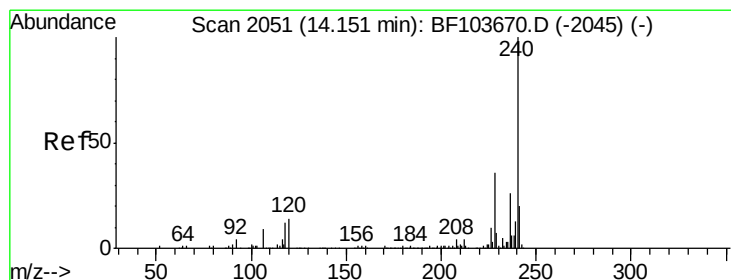
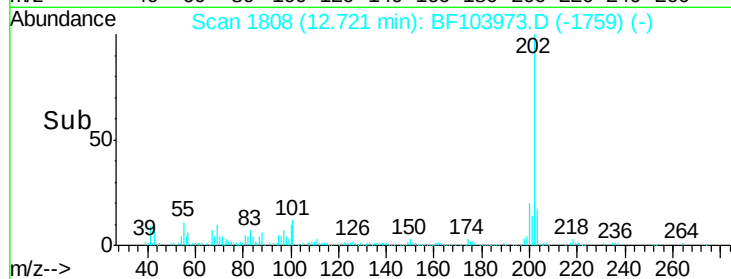
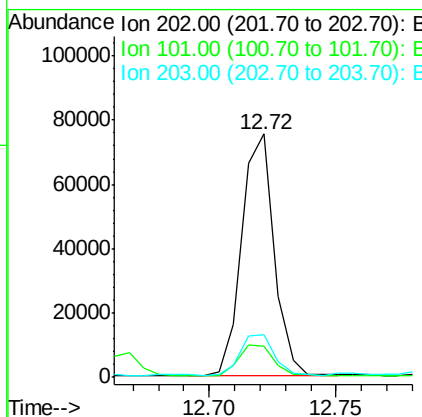
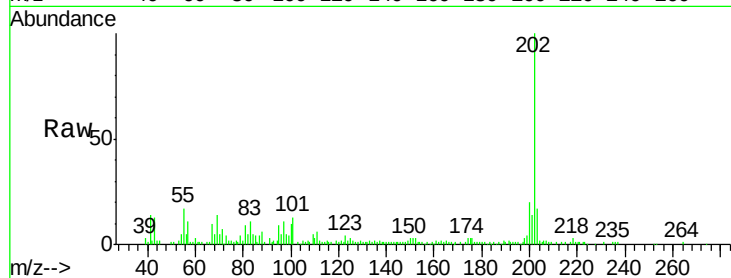




#74
Fluoranthene
Concen: 2.629 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

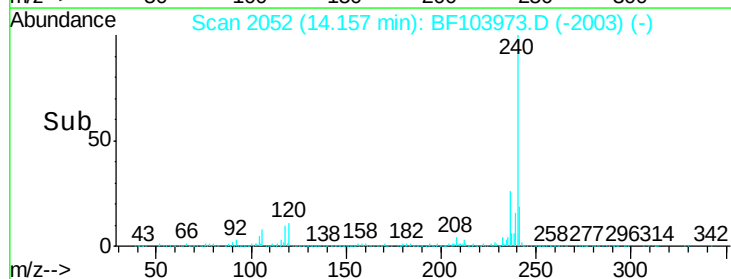
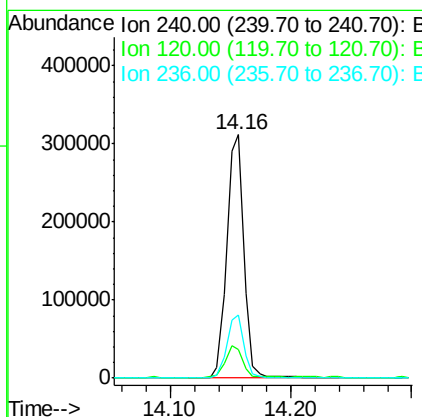
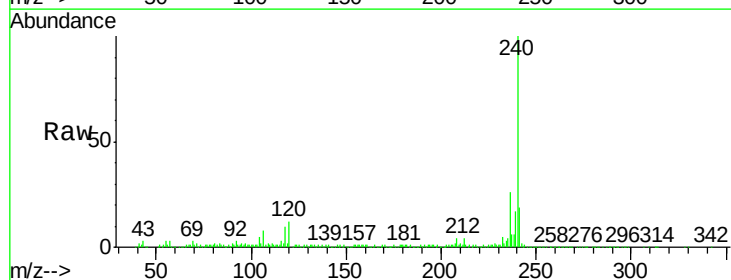
Instrument :
BNA_F
ClientSampleId :

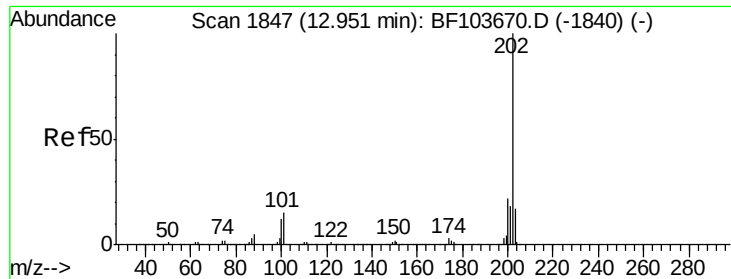
Tot Ion:202 Resp: 67189
Ion Ratio Lower Upper
202 100
101 12.7 0.0 34.1
203 17.4 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:240 Resp: 302911
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 25.8 20.7 31.1

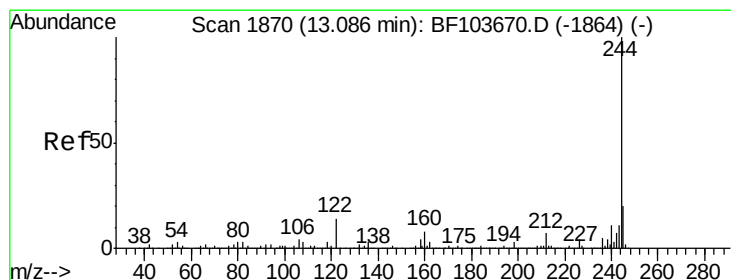
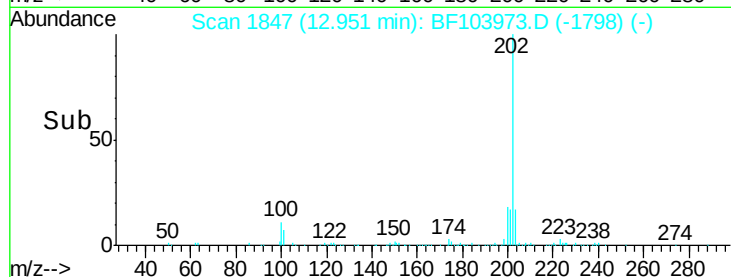
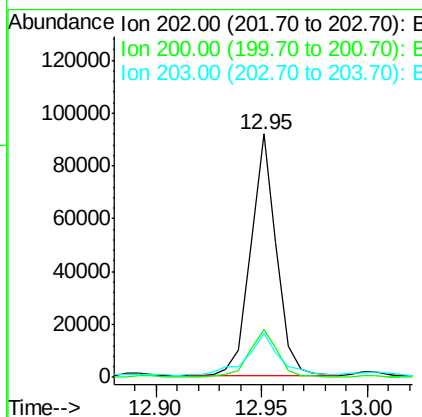
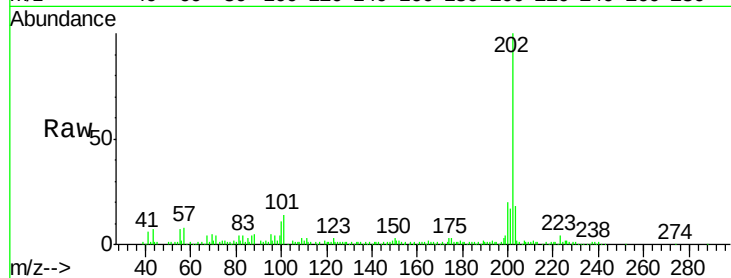




#77
Pvrene
Concen: 3.526 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

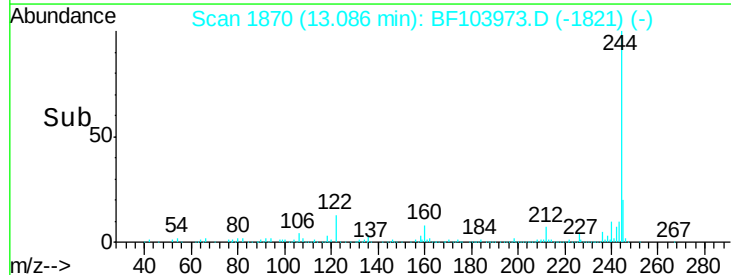
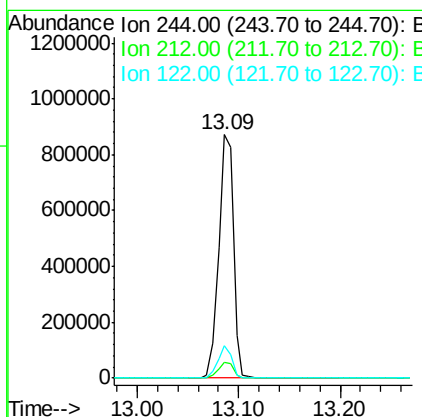
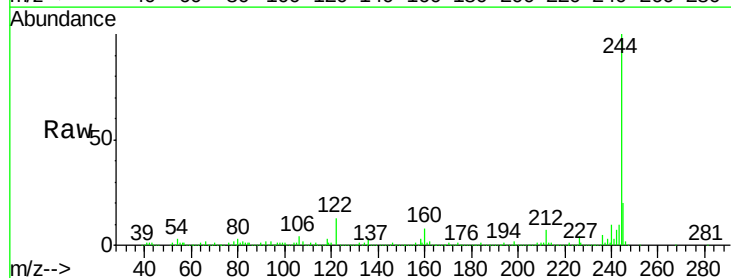
Instrument :
BNA_F
ClientSampleId :

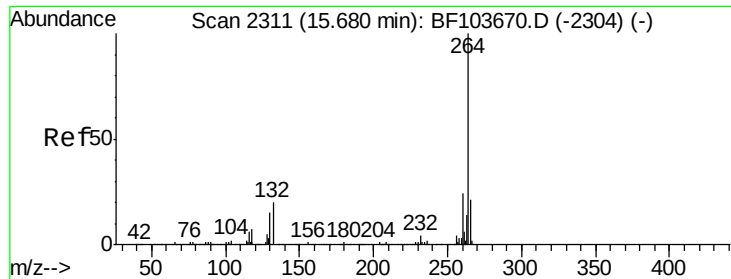
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.4	26.2
203	17.9	14.3	21.5



#78
Terphenyl-d14
Concen: 67.482 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.3	11.0	16.4

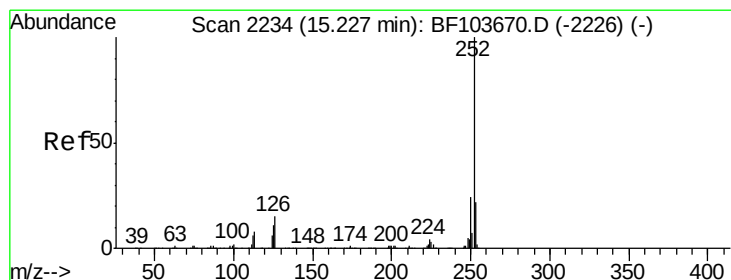
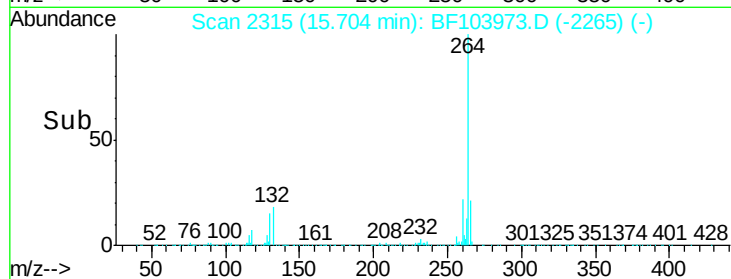
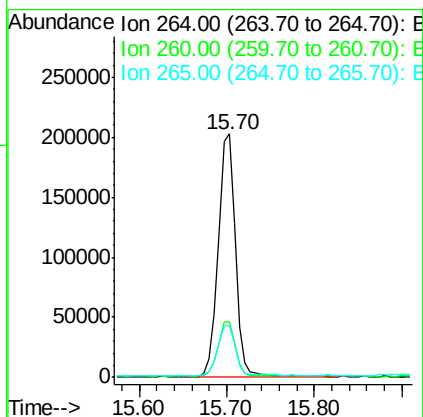
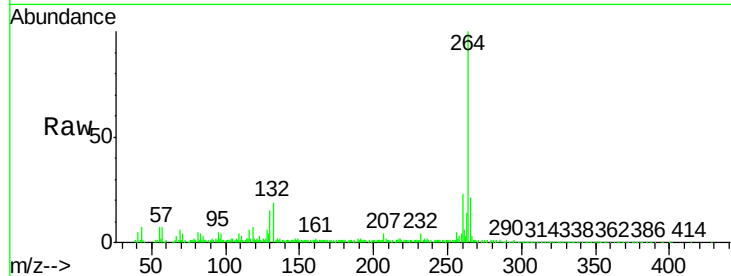




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

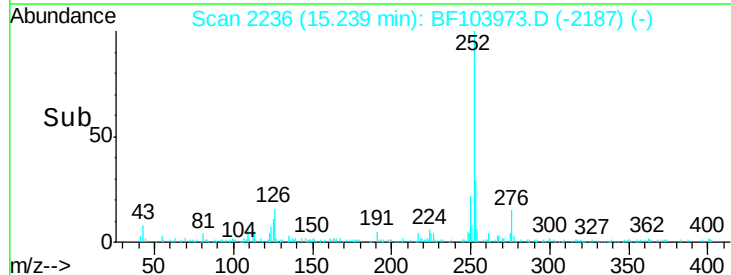
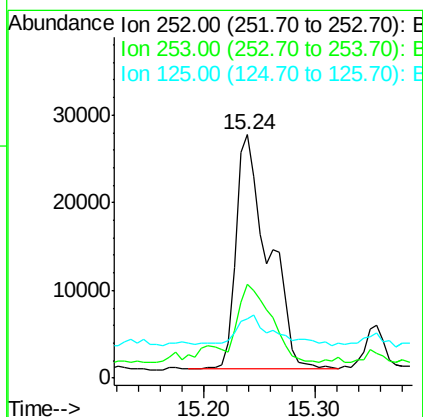
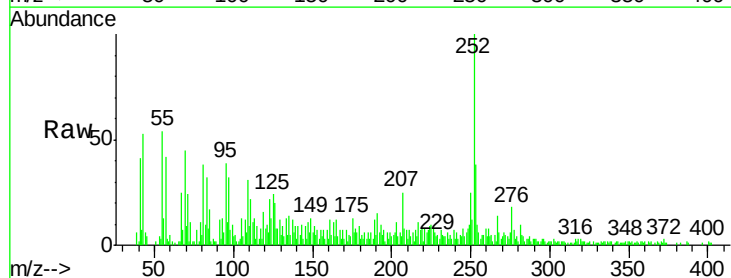
Instrument :
BNA_F
ClientSampleId :

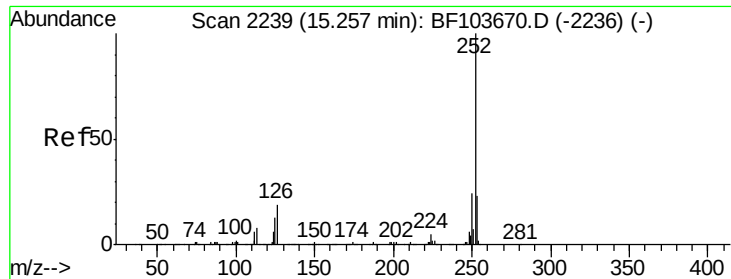
Tot Ion:264 Resp: 277720
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.138 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103973.D
Acq: 27 Mar 2018 16:51

Tgt Ion:252 Resp: 55058
Ion Ratio Lower Upper
252 100
253 38.5 17.0 25.6#
125 24.3 9.0 13.6#

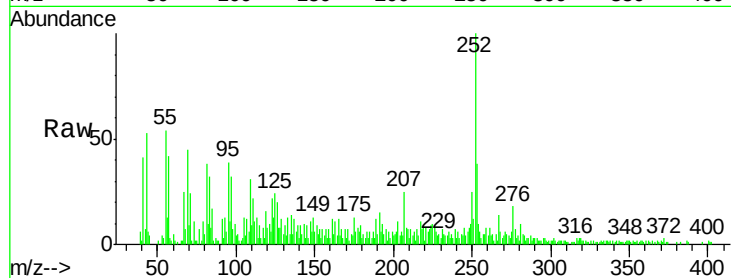




#88
 Benzo(k)fluoranthene
 Concen: 3.264 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.04 min
 Lab File: BF103973.D
 Acq: 27 Mar 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.5	17.9	26.9#
125	24.3	10.2	15.2#



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

