

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103984.D
 Acq On : 27 Mar 2018 21:40
 Operator : JU/SJ
 Sample : J2050-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:57:47 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	141486	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	562329	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	243468	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	381395	20.00	ng	0.00
75) Chrysene-d12	14.16	240	258837	20.00	ng	0.00
86) Perylene-d12	15.70	264	238299	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1028549	110.57	ng	0.02
7) Phenol-d6	6.61	99	1287200	113.10	ng	0.01
23) Nitrobenzene-d5	7.54	82	776144	96.25	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	256927	122.73	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1196208	78.37	ng	0.00
78) Terphenyl-d14	13.09	244	842593	75.56	ng	0.00

Target Compounds

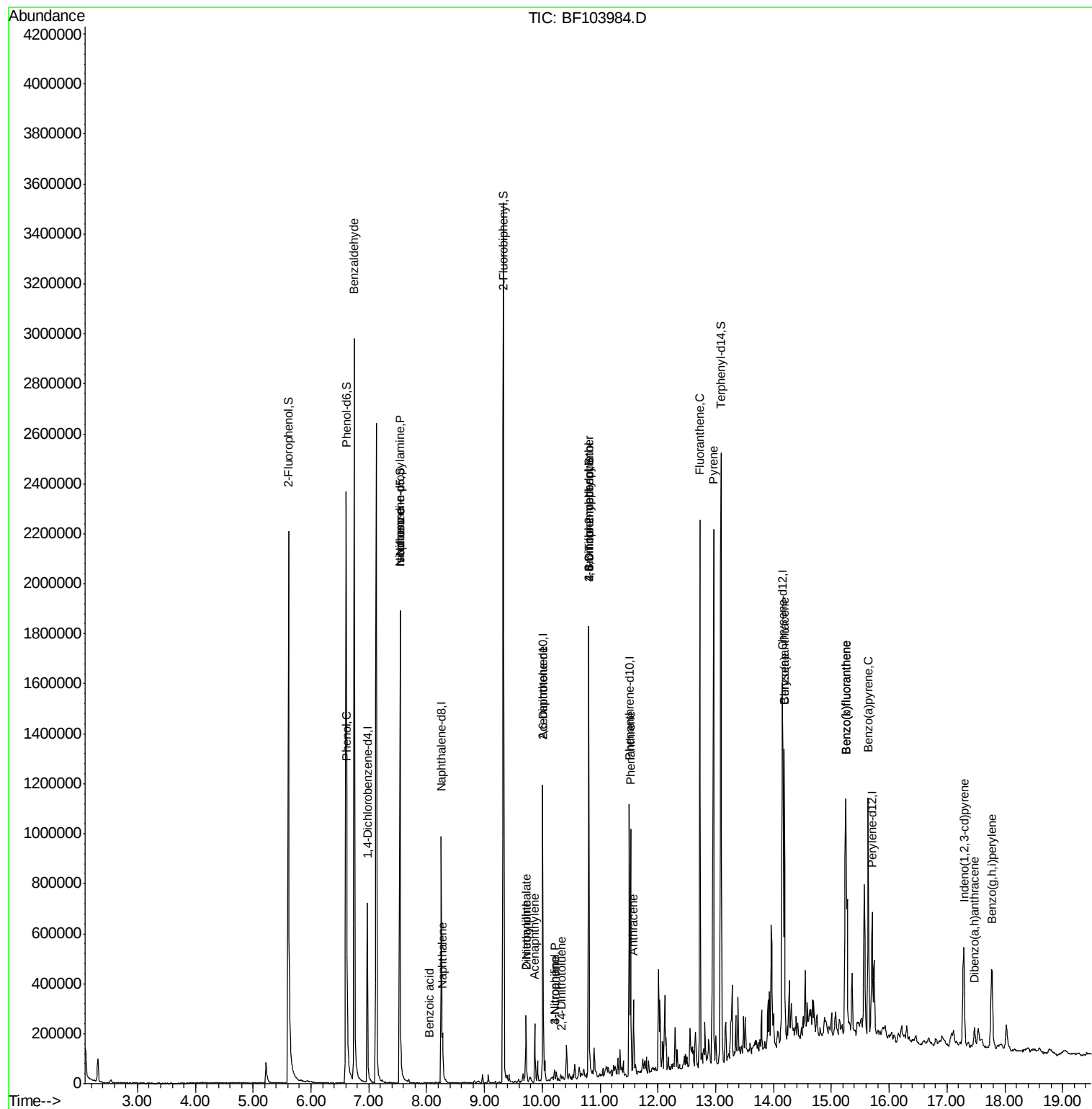
						Qvalue
9) Benzaldehyde	6.75	77	21373	2.859	ng	85
10) Phenol	6.62	94	37457	3.097	ng	# 76
19) n-Nitroso-di-n-propylamine	7.54	70	100516	13.782	ng	# 72
25) Isophorone	7.54	82	776139	41.578	ng	# 64
31) Naphthalene	8.27	128	71920	2.532	ng	98
32) Benzoic acid	8.05	122	140	9.925	ng	# 1
47) 2-Nitroaniline	9.72	65	847	6.987	ng	# 1
48) Acenaphthylene	9.87	152	102492	4.099	ng	99
49) Dimethylphthalate	9.72	163	107452	5.785	ng	99
50) 2,6-Dinitrotoluene	10.01	165	32197	12.200	ng	# 25
52) 3-Nitroaniline	10.22	138	109	3.838	ng	# 2
55) 4-Nitrophenol	10.22	139	5778	6.563	ng	# 13
56) 2,4-Dinitrotoluene	10.32	165	1249	6.452	ng	# 39
64) 4,6-Dinitro-2-methylphenol	10.80	198	498	8.508	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15404	3.934	ng	# 1
70) Phenanthrene	11.53	178	371910	17.826	ng	98
71) Anthracene	11.58	178	113699	5.366	ng	98
74) Fluoranthene	12.73	202	881915	41.031	ng	98
77) Pyrene	12.96	202	970937	51.078	ng	100
80) Benzo(a)anthracene	14.19	228	422228	25.770	ng	96
82) Chrysene	14.19	228	422228	27.034	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	271273	19.889	ng	# 93
87) Benzo(b)fluoranthene	15.25	252	781925	51.937	ng	# 95
88) Benzo(k)fluoranthene	15.25	252	781925	54.030	ng	98
89) Benzo(a)pyrene	15.64	252	446799	32.720	ng	96
90) Dibenzo(a,h)anthracene	17.48	278	51639	4.367	ng	96
91) Benzo(g,h,i)perylene	17.77	276	273421	23.770	ng	95

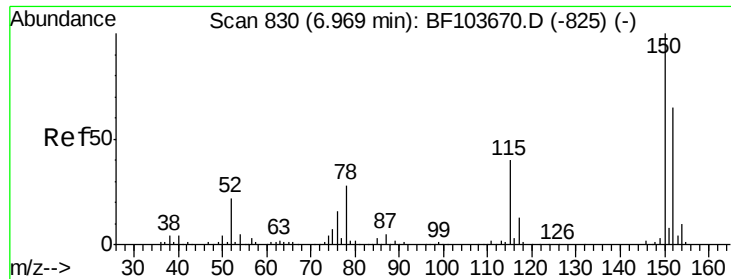
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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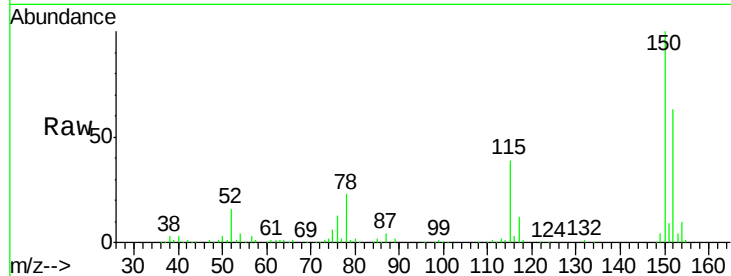


#1

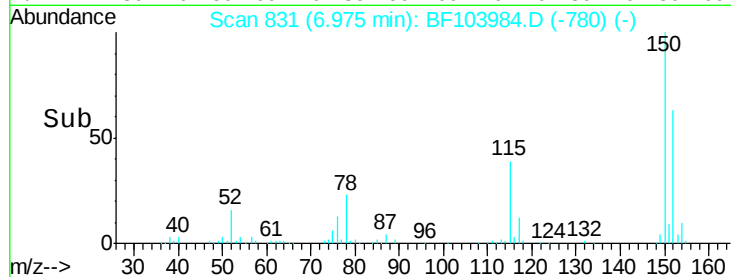
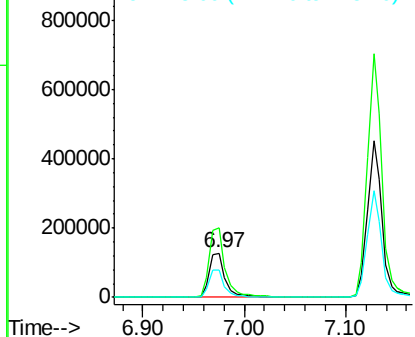
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 141486
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 61.8 50.1 75.1



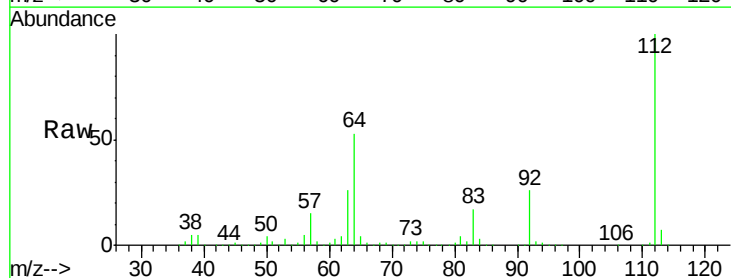
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



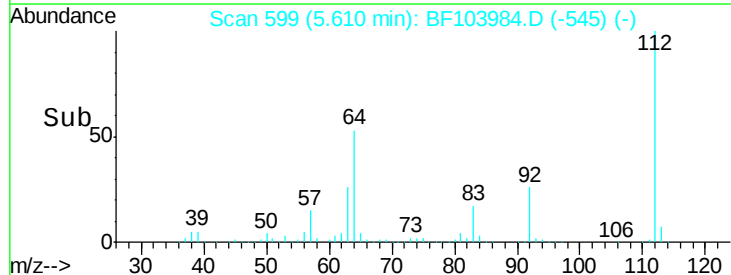
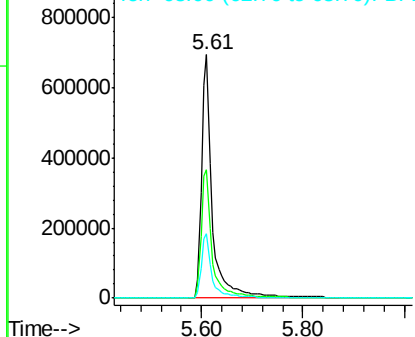
#5

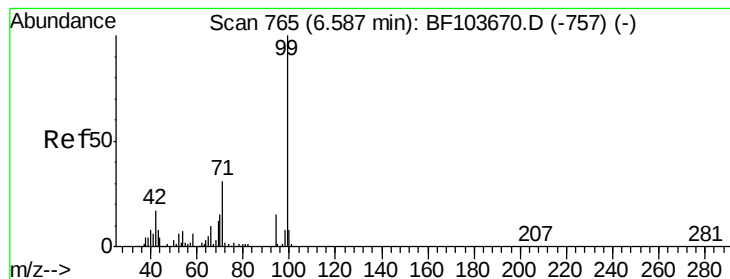
2-Fluorophenol
Concen: 110.570 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion:112 Resp: 1028549
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 26.4 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: 113.105 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

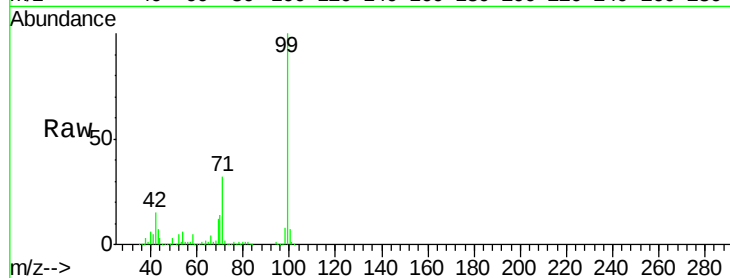
Tot Ion: 99 Resp: 1287200

Ion Ratio Lower Upper

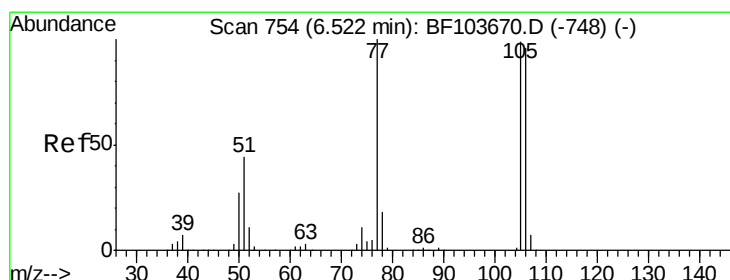
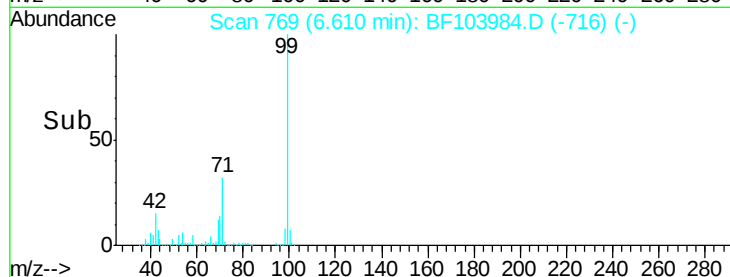
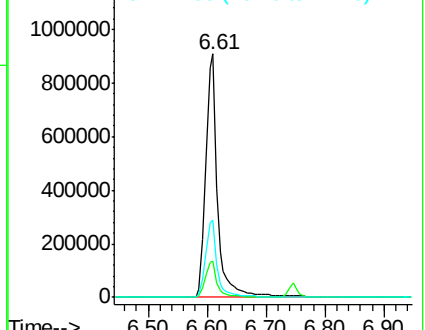
99 100

42 15.0 14.5 21.7

71 31.6 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: 2.859 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

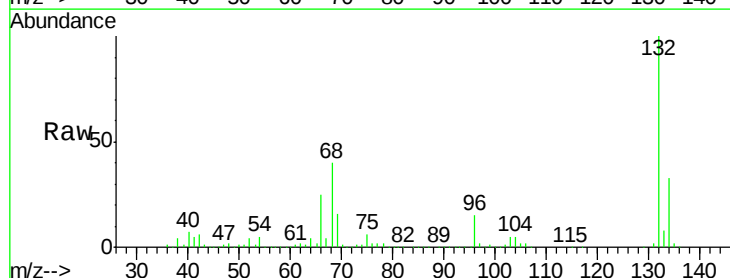
Tgt Ion: 77 Resp: 21373

Ion Ratio Lower Upper

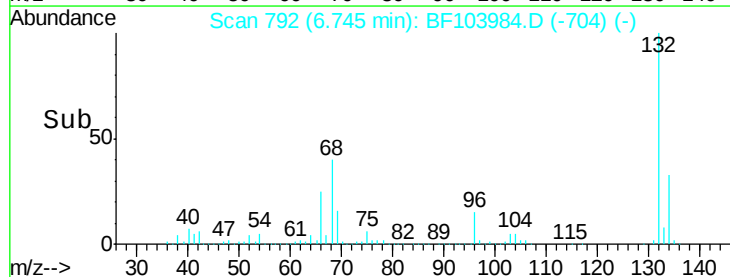
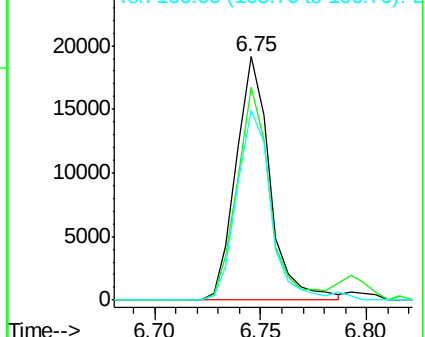
77 100

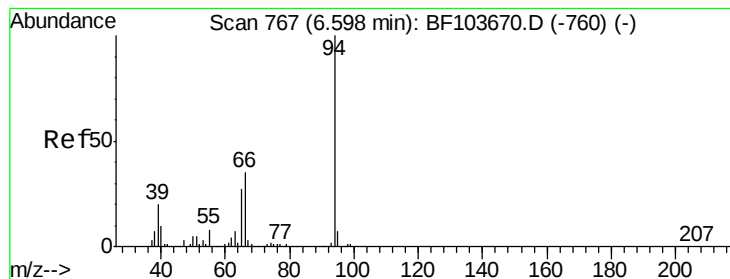
105 87.4 81.1 121.1

106 78.0 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: 3.097 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampled :

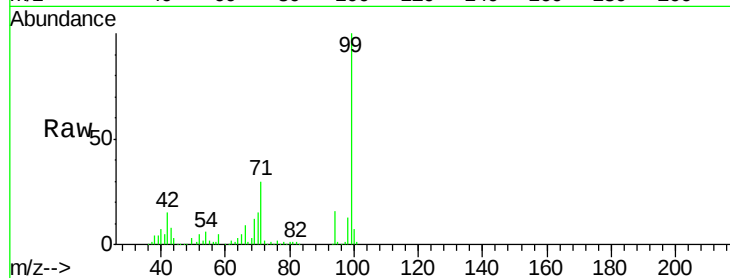
Tot Ion: 94 Resp: 37457

Ion Ratio Lower Upper

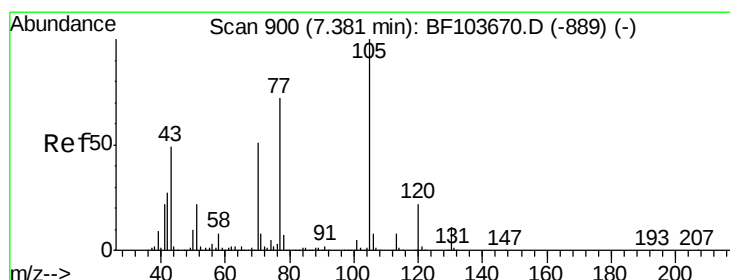
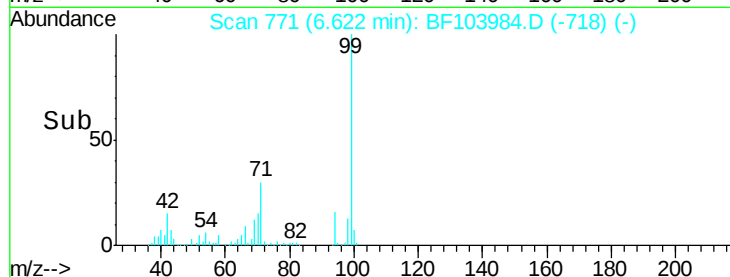
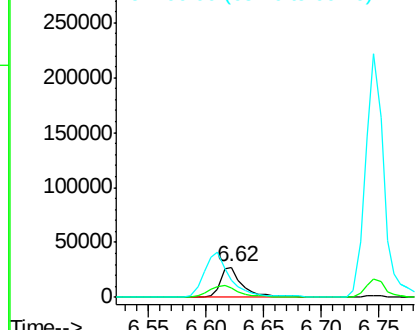
94 100

65 32.6 7.9 47.9

66 57.2 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: 13.782 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Tgt Ion: 70 Resp: 100516

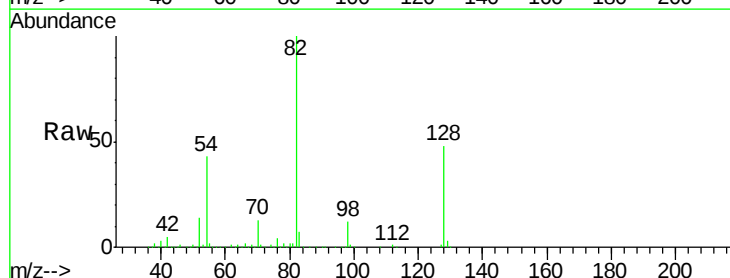
Ion Ratio Lower Upper

70 100

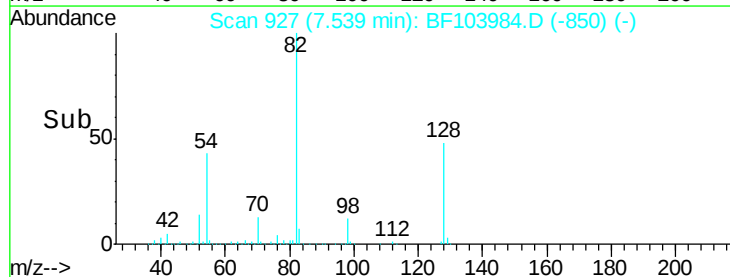
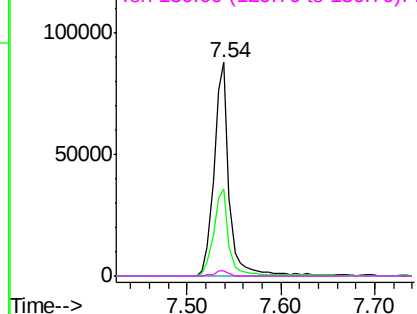
42 40.5 47.5 71.3#

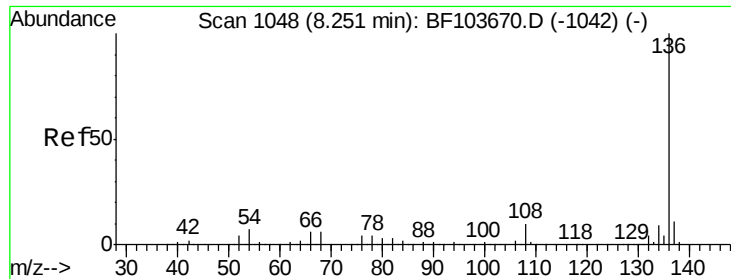
101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

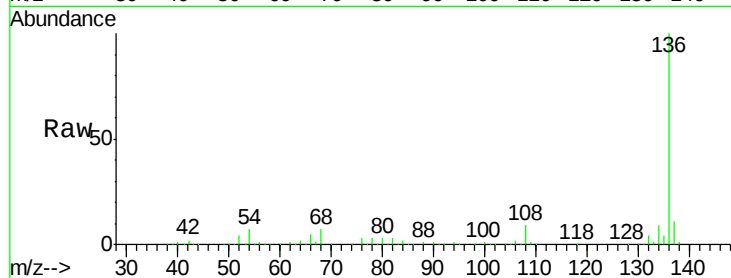




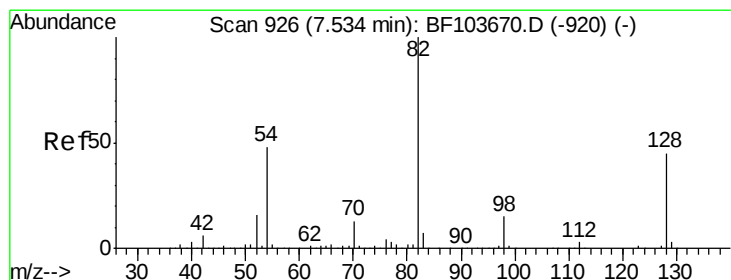
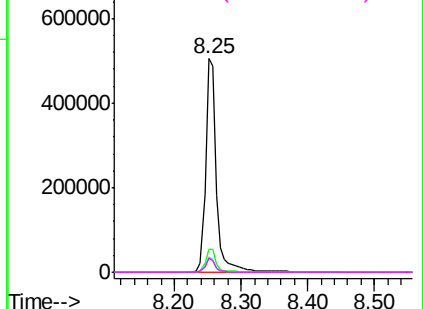
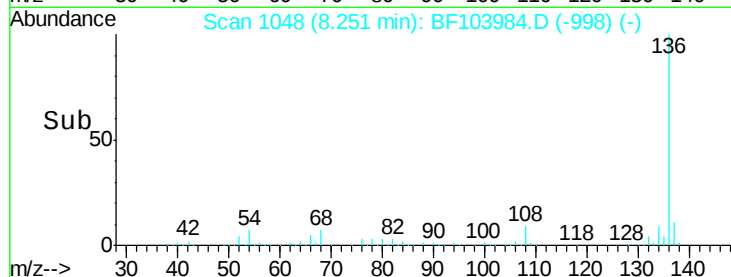
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	562329
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.1	6.6 9.8
68	6.5	5.0 7.4

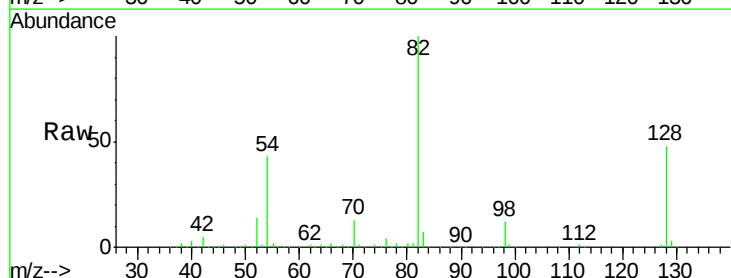


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

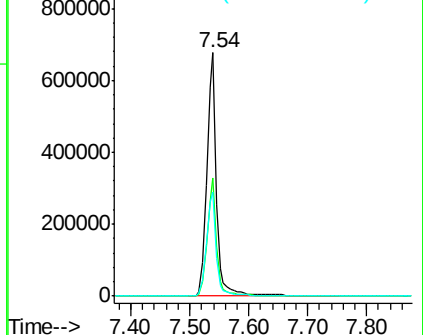
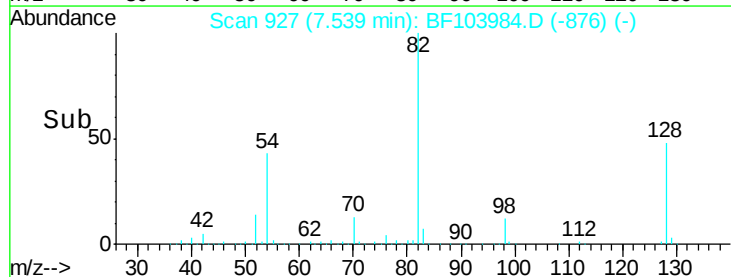


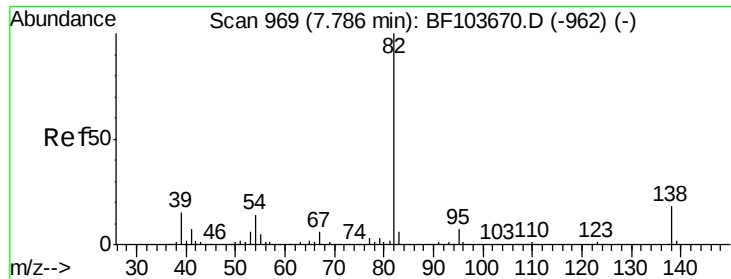
#23
Nitrobenzene-d5
Concen: 96.252 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion: 82	Resp:	776144
Ion Ratio	Lower	Upper
82	100	
128	48.3	36.1 54.1
54	42.8	41.4 62.2



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





#25

Isophorone

Concen: 41.578 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

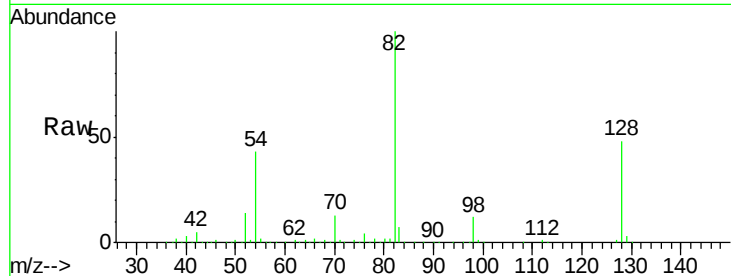
Tot Ion: 82 Resp: 776139

Ion Ratio Lower Upper

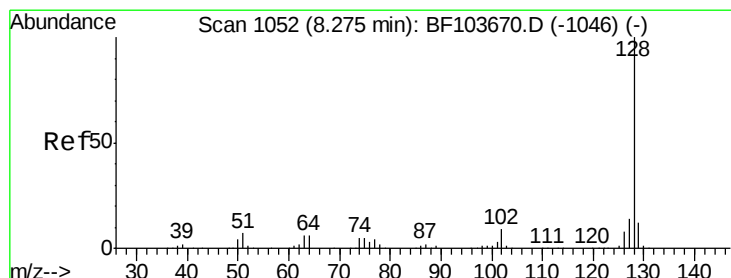
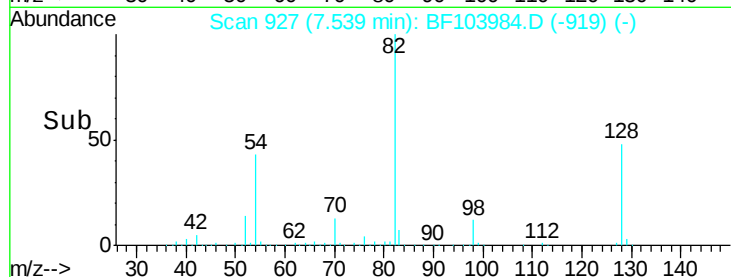
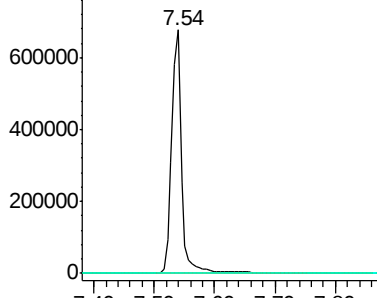
82 100

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



#31

Naphthalene

Concen: 2.532 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

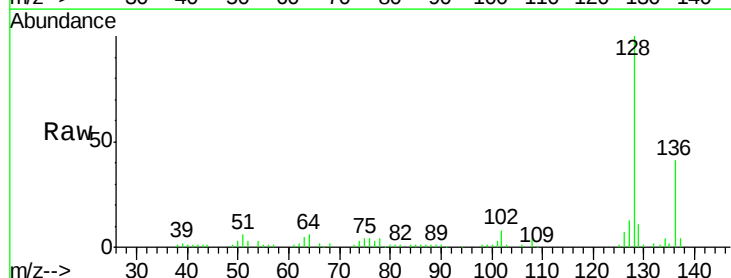
Tgt Ion: 128 Resp: 71920

Ion Ratio Lower Upper

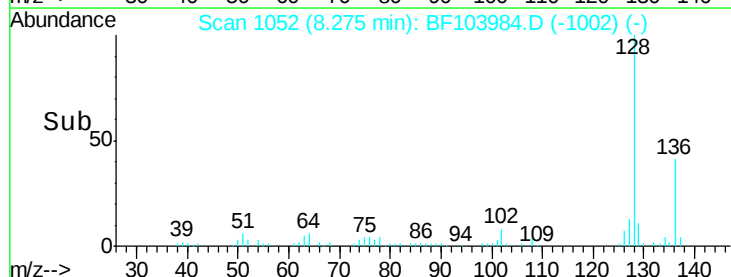
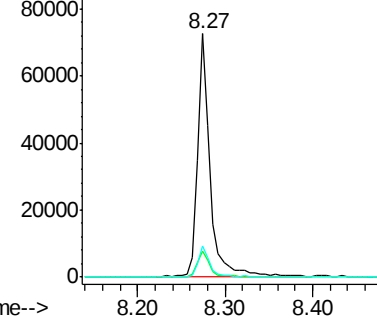
128 100

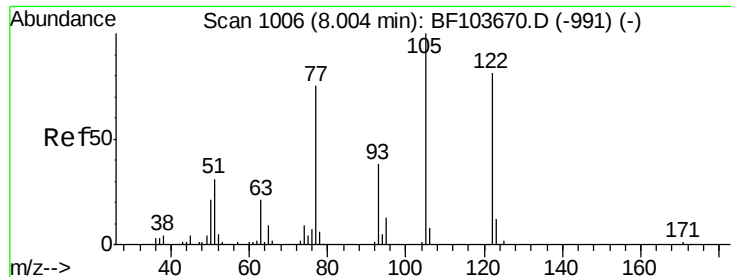
129 10.8 8.8 13.2

127 12.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

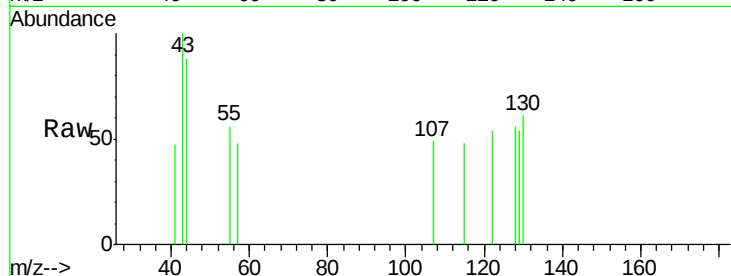




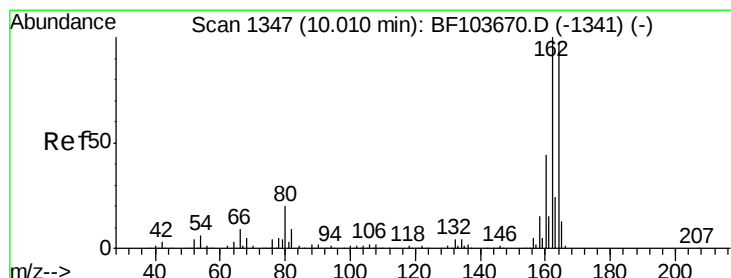
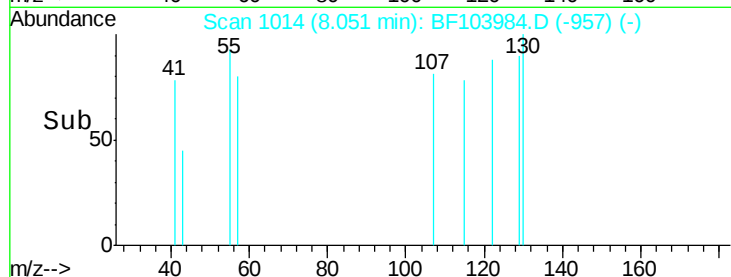
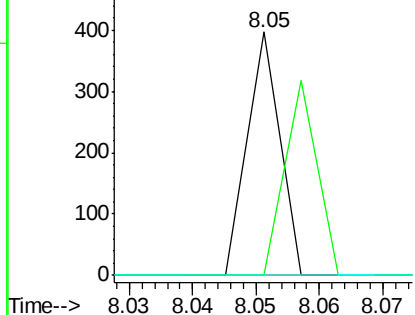
#32
Benzoic acid
Concen: 9.925 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.04 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 140
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

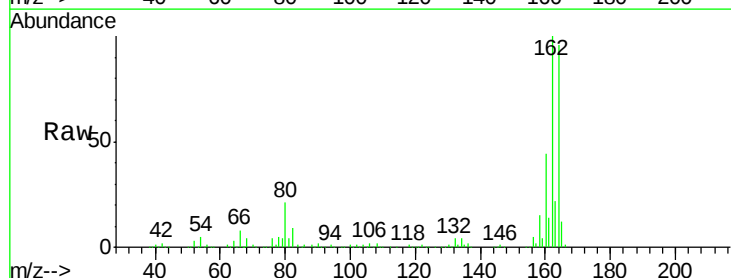


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

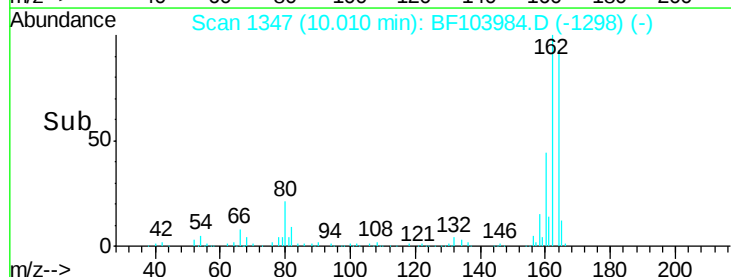
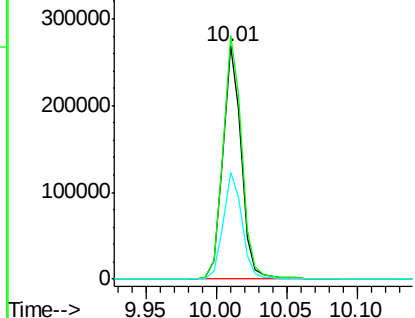


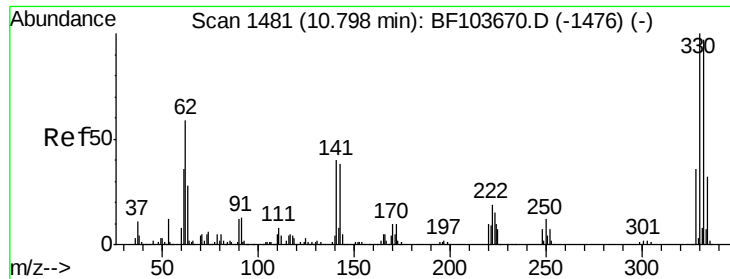
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion:164 Resp: 243468
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 45.6 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

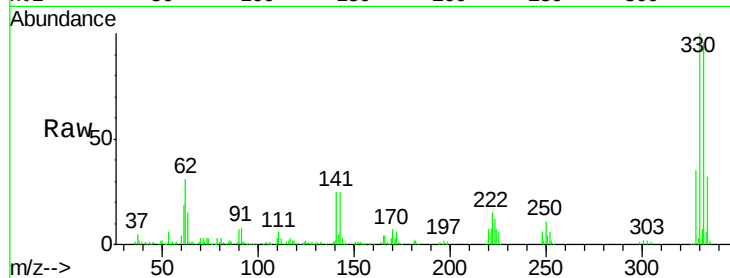




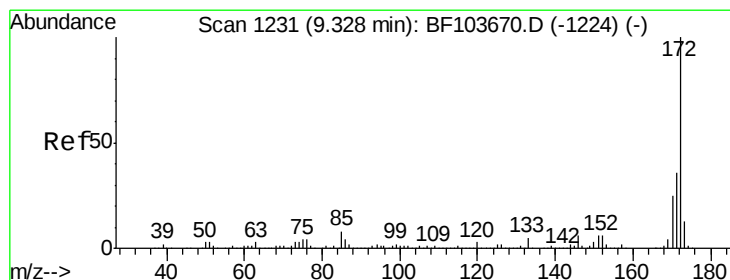
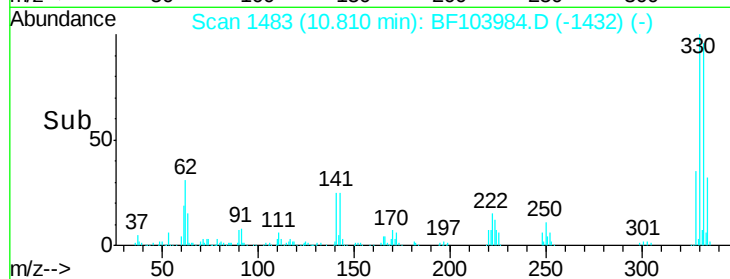
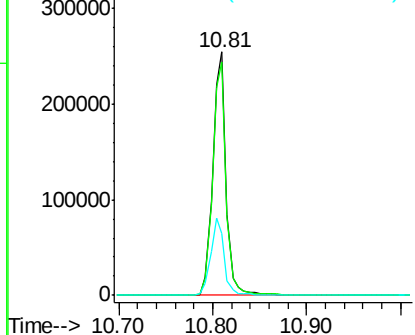
#41
 2,4,6-Tribromophenol
 Concen: 122.735 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 256927
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 32.6 29.9 44.9

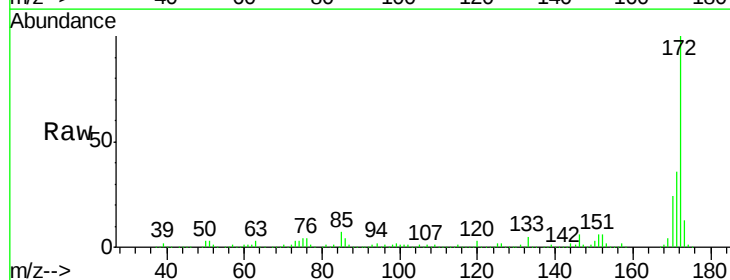


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

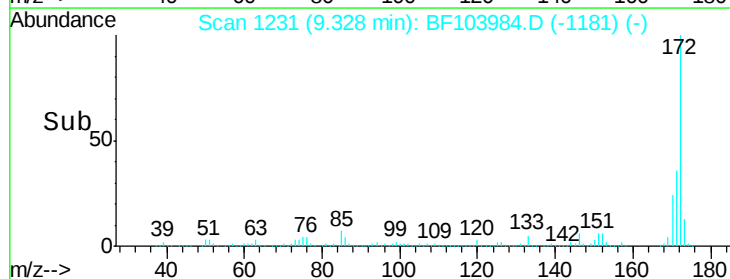
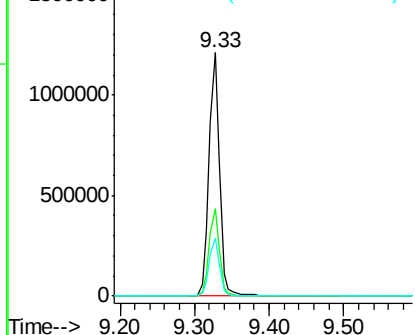


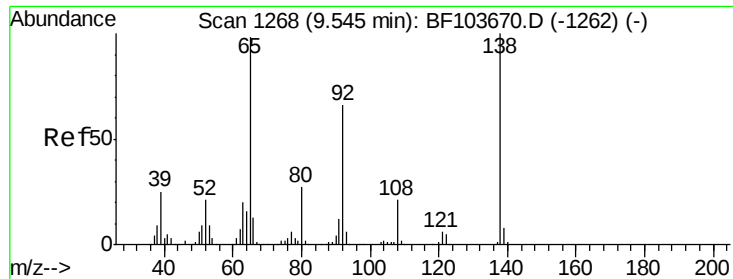
#44
 2-Fluorobiphenyl
 Concen: 78.373 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

Tgt Ion:172 Resp: 1196208
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.0 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

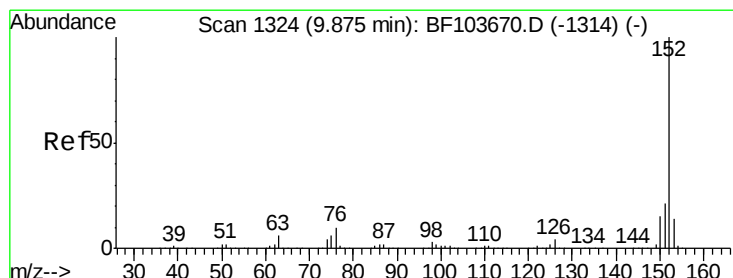
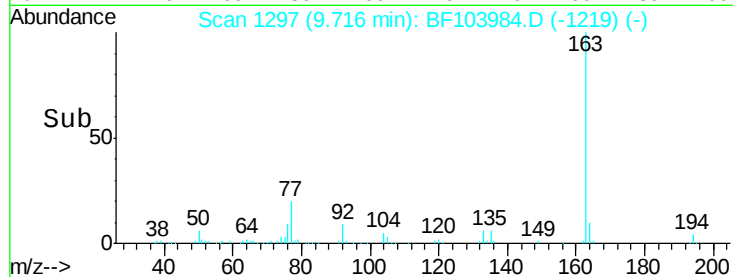
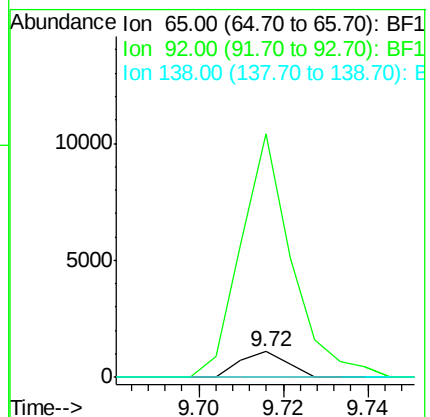
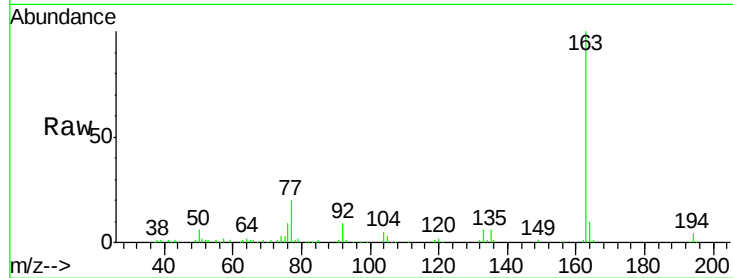




#47
2-Nitroaniline
Concen: 6.987 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

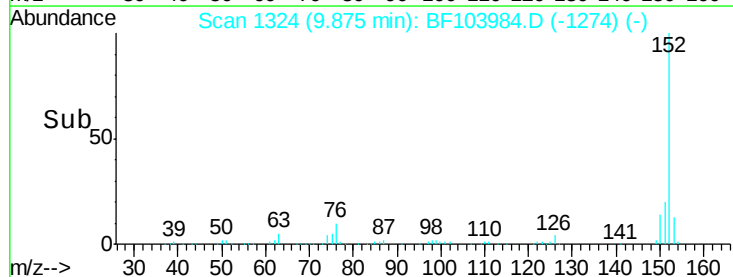
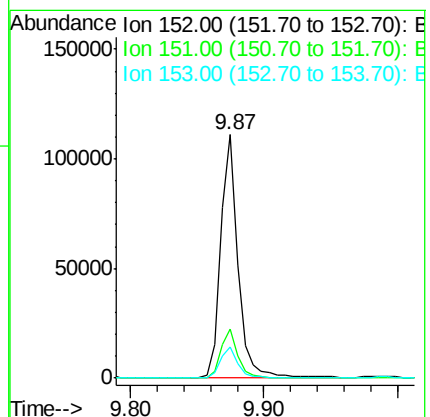
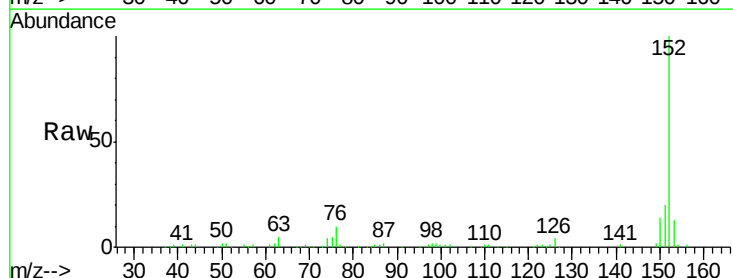
Instrument :
BNA_F
ClientSampled :

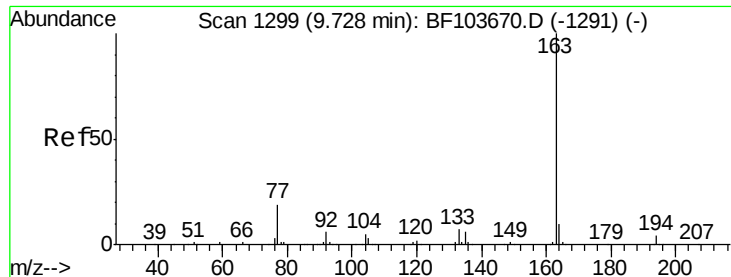
Tot Ion: 65 Resp: 847
Ion Ratio Lower Upper
65 100
92 954.5 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 4.099 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion: 152 Resp: 102492
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 12.8 10.7 16.1

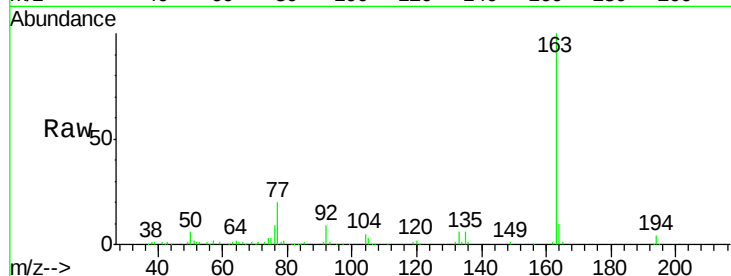




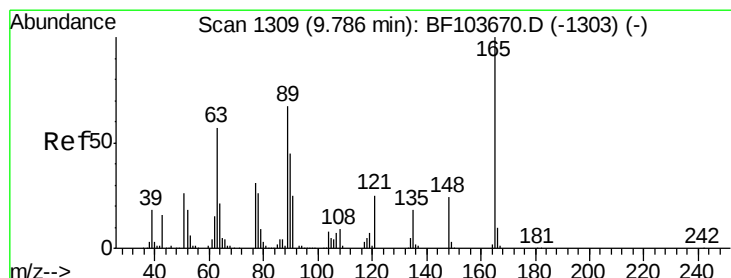
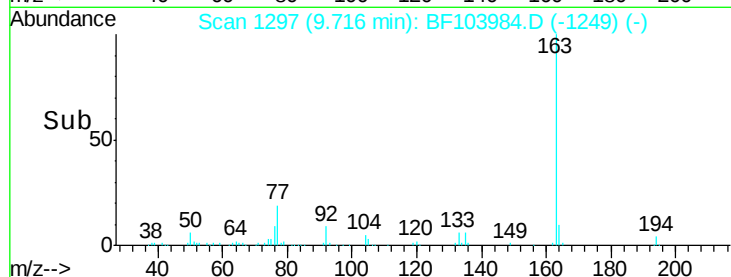
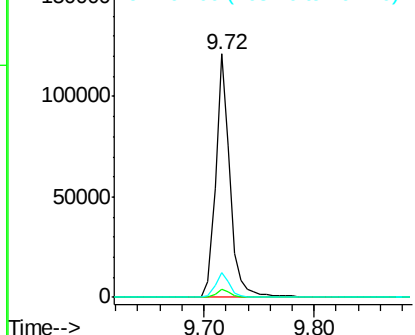
#49
Dimethylphthalate
Concen: 5.785 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 107452
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.4 8.2 12.2

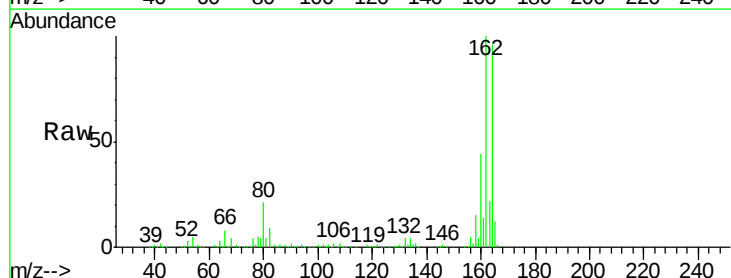


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

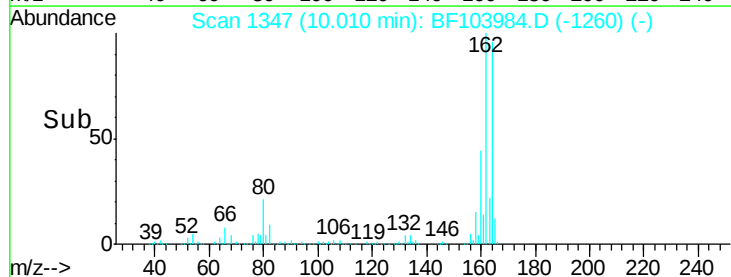
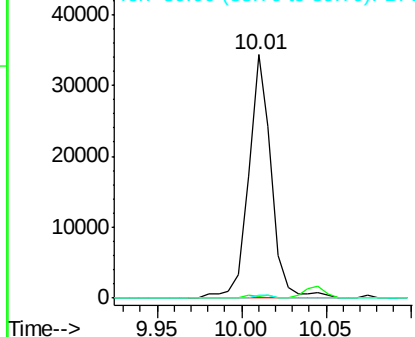


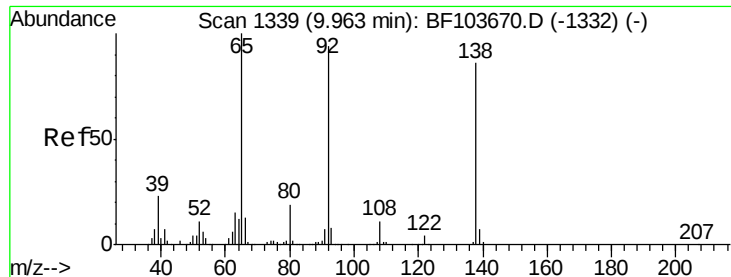
#50
2,6-Dinitrotoluene
Concen: 12.200 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion:165 Resp: 32197
Ion Ratio Lower Upper
165 100
63 0.9 44.7 67.1#
89 1.1 44.0 66.0#



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





#52

3-Nitroaniline

Concen: 3.838 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.25 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

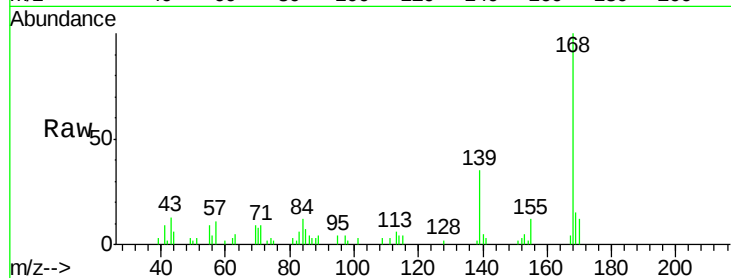
Tot Ion:138 Resp: 109

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

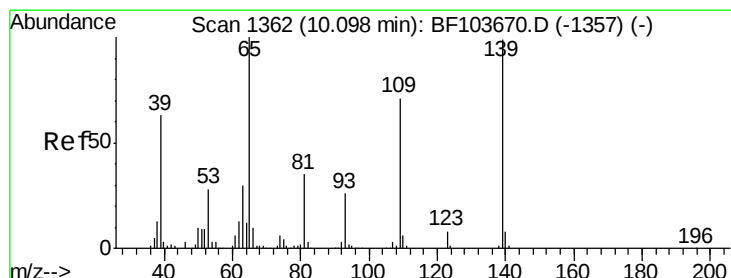
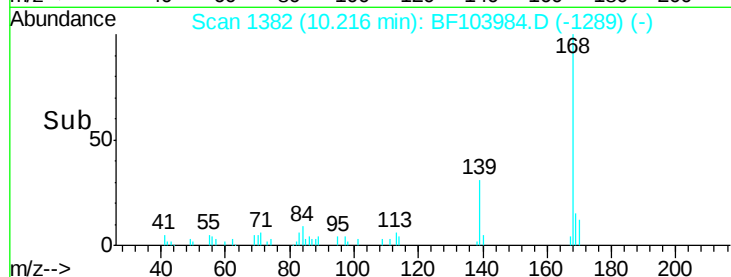
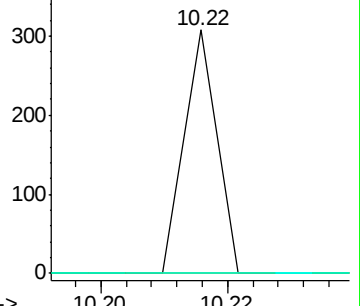
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#55

4-Nitrophenol

Concen: 6.563 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.09 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

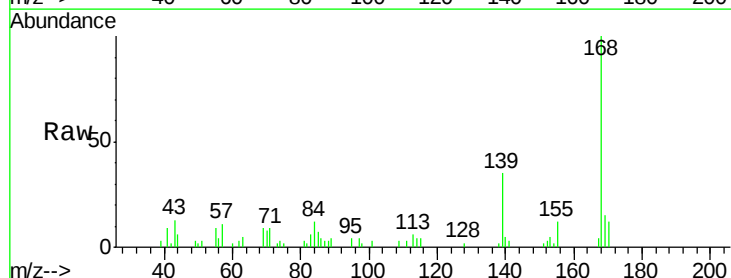
Tgt Ion:139 Resp: 5778

Ion Ratio Lower Upper

139 100

109 7.7 48.4 88.4#

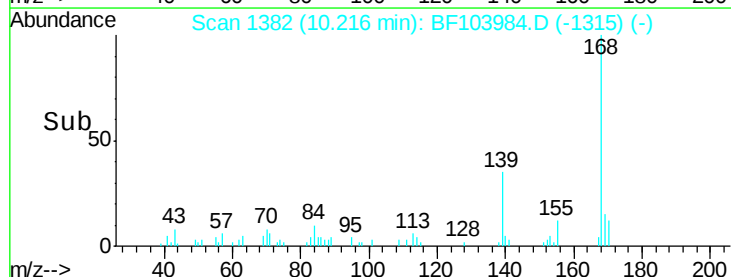
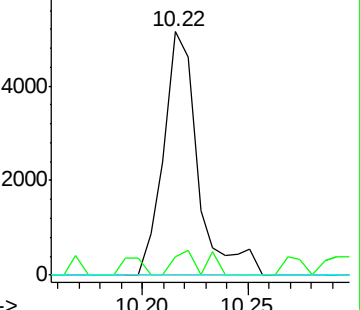
65 0.0 72.6 112.6#

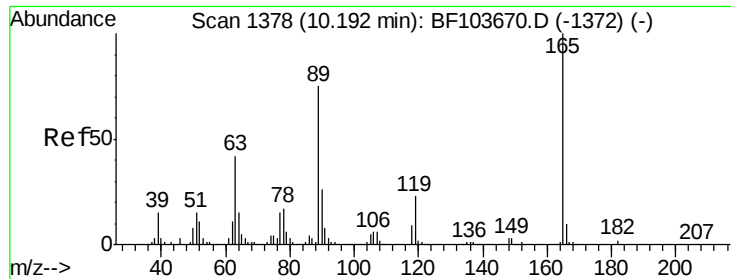


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

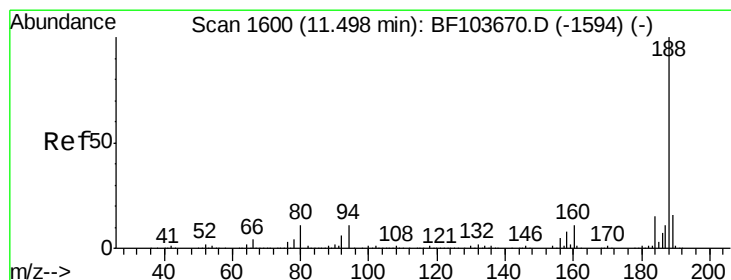
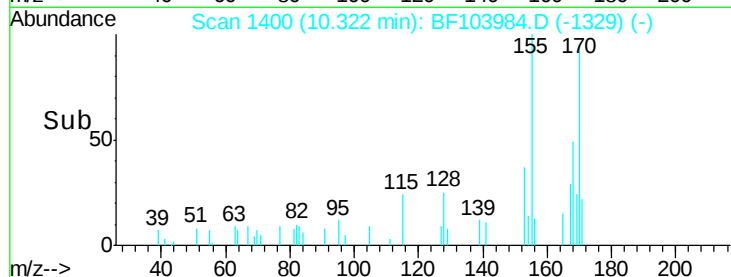
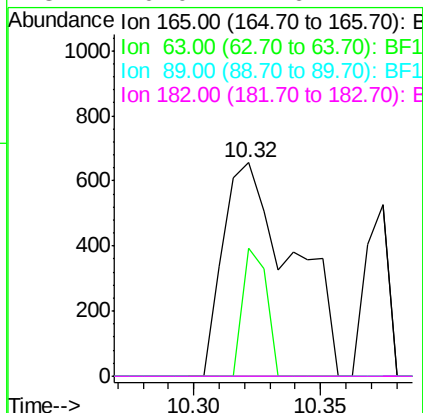
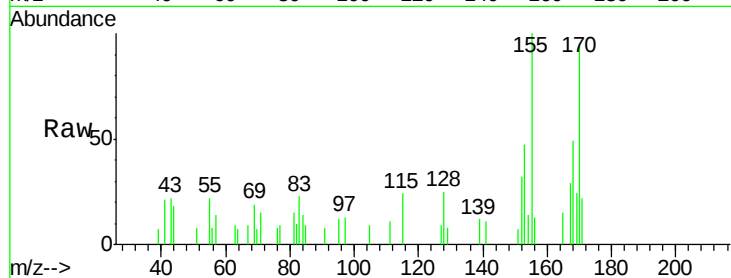




#56
 2,4-Dinitrotoluene
 Concen: 6.452 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.12 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

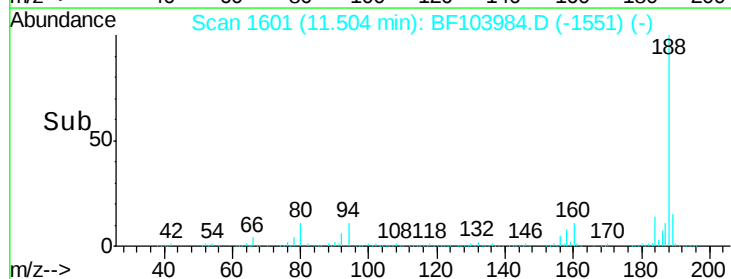
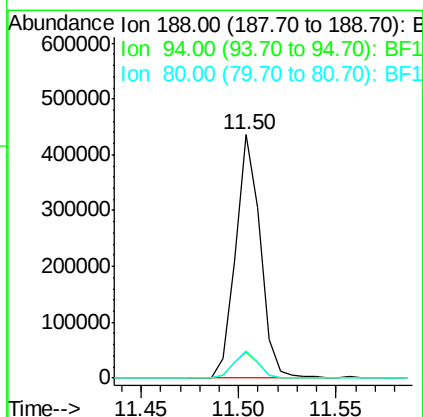
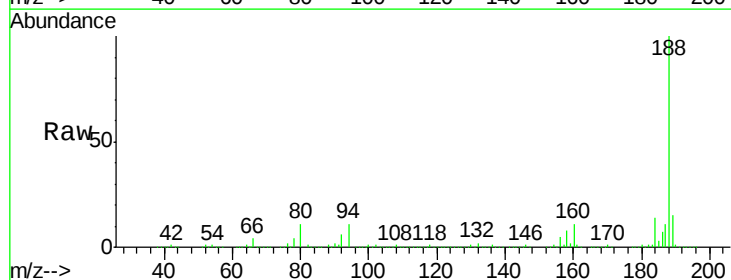
Instrument :
 BNA_F
 ClientSampleId :

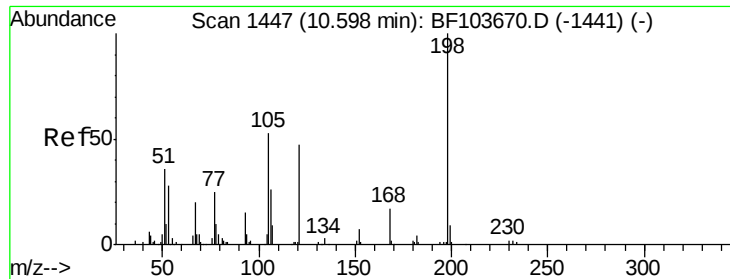
Tot Ion:165 Resp: 1249
 Ion Ratio Lower Upper
 165 100
 63 59.8 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

Tgt Ion:188 Resp: 381395
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.2 9.2 13.8

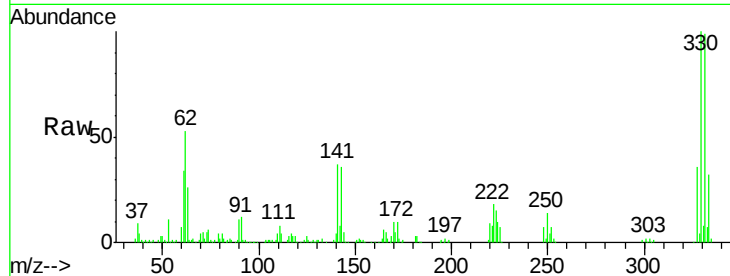




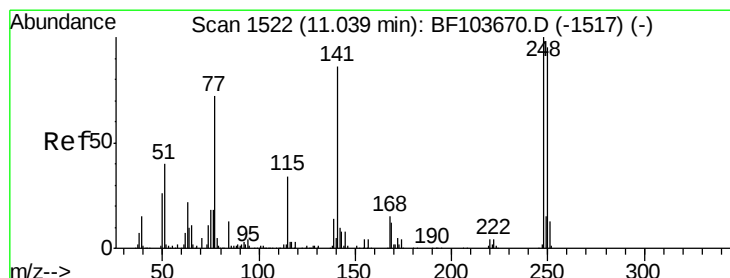
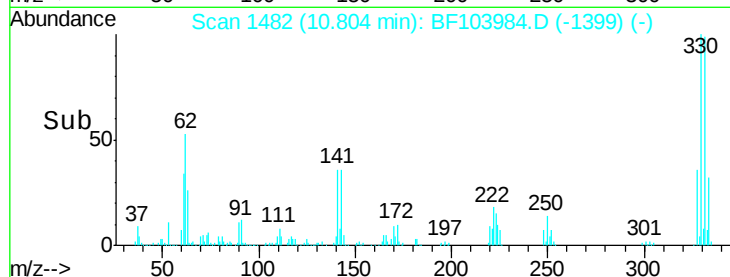
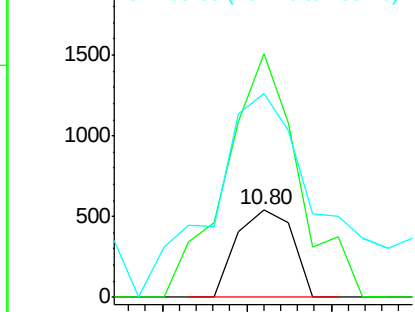
#64
4,6-Dinitro-2-methylphenol
Concen: 8.508 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 498
Ion Ratio Lower Upper
198 100
51 277.0 37.7 77.7#
105 232.2 36.3 76.3#

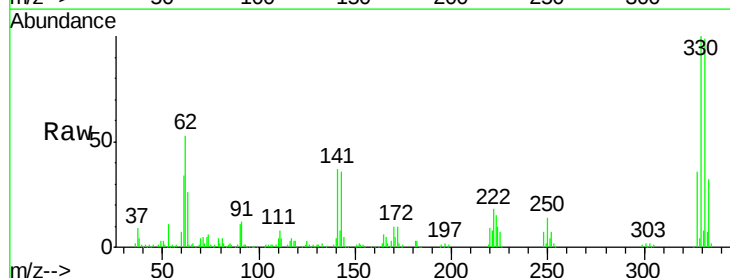


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

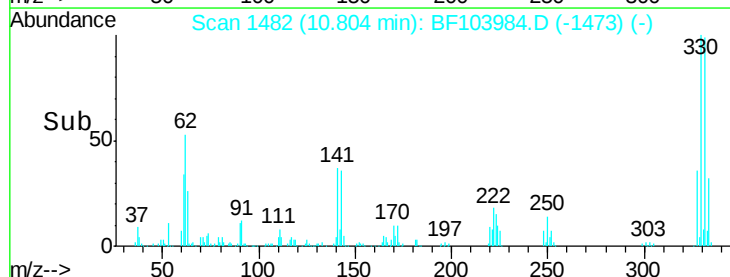
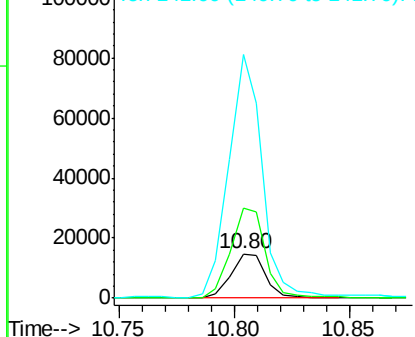


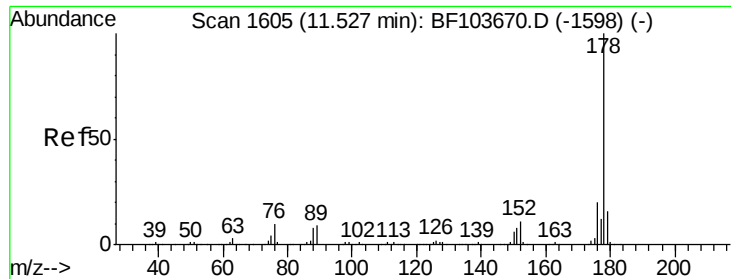
#66
4-Bromophenyl-phenylether
Concen: 3.934 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion:248 Resp: 15404
Ion Ratio Lower Upper
248 100
250 202.0 76.9 115.3#
141 547.7 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

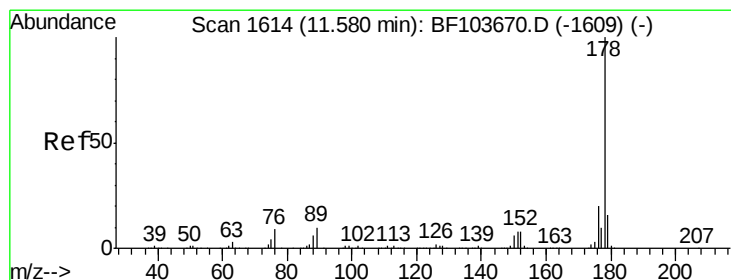
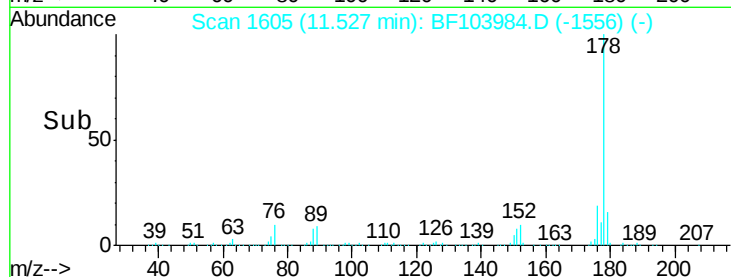
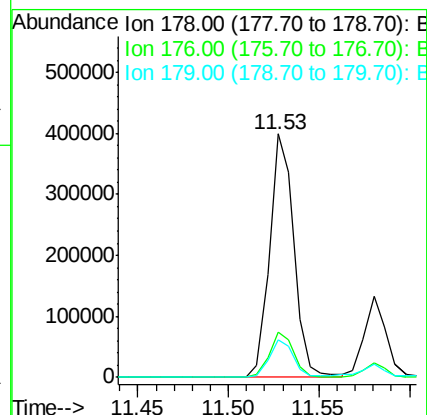
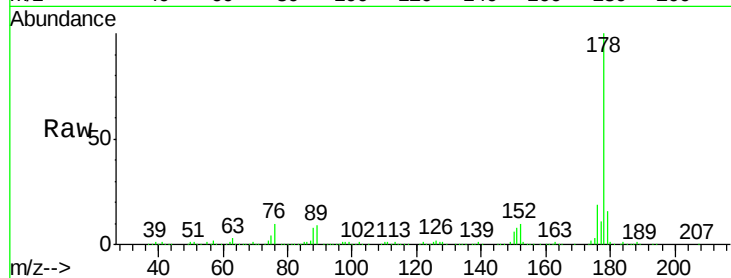




#70
 Phenanthrene
 Concen: 17.826 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

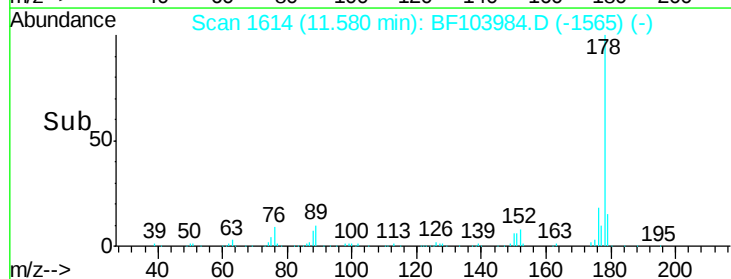
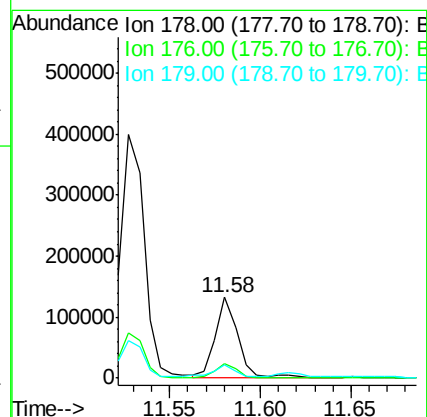
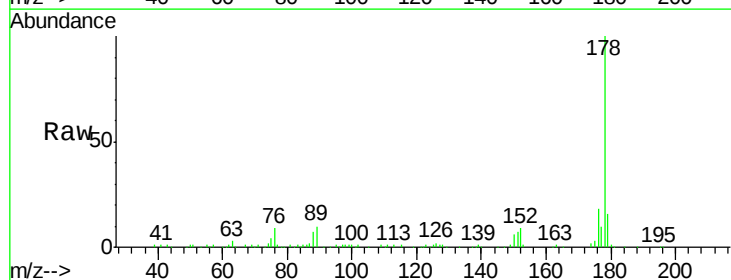
Instrument :
 BNA_F
 ClientSampled :

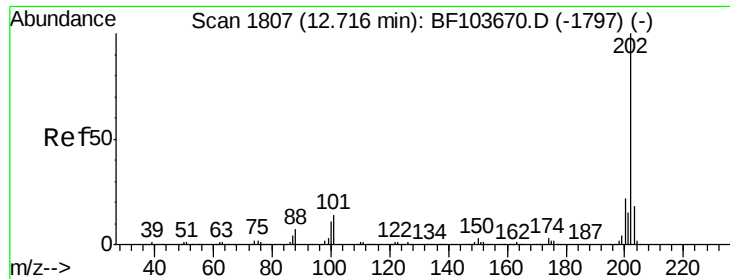
Tot Ion:178 Resp: 371910
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.7 13.0 19.6



#71
 Anthracene
 Concen: 5.366 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

Tgt Ion:178 Resp: 113699
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 15.7 12.6 19.0





#74

Fluoranthene

Concen: 41.031 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

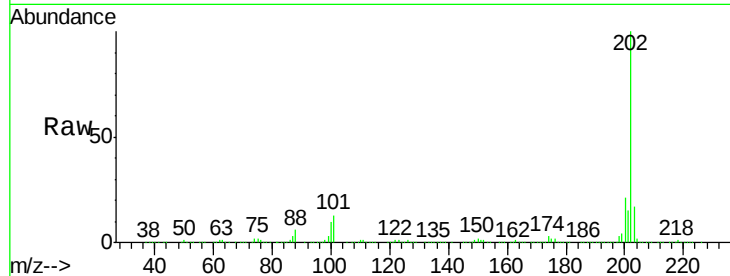
Tot Ion:202 Resp: 881915

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

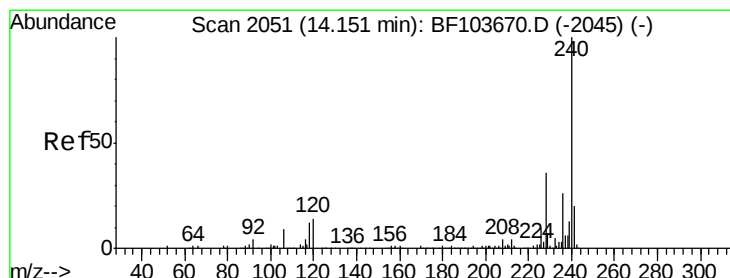
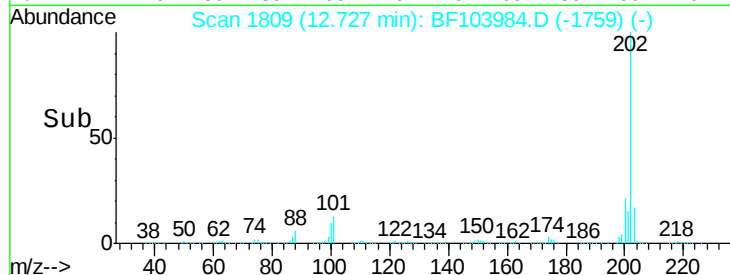
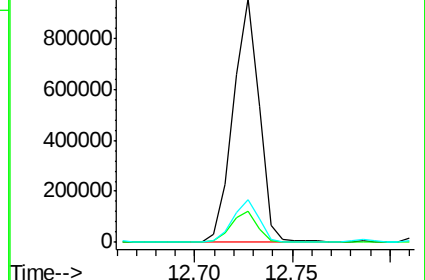
203 17.5 0.0 38.1



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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

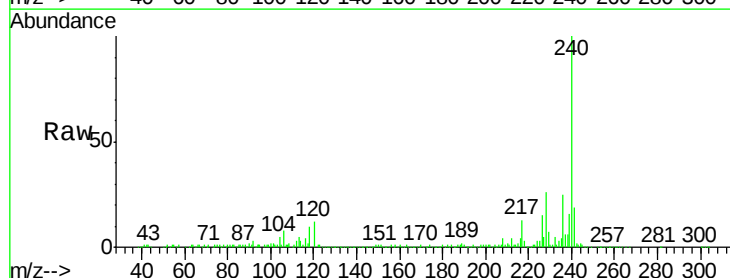
Tgt Ion:240 Resp: 258837

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

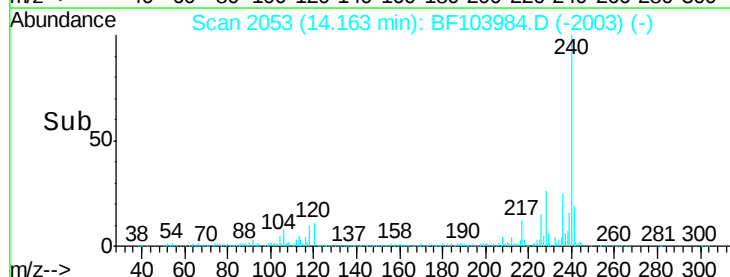
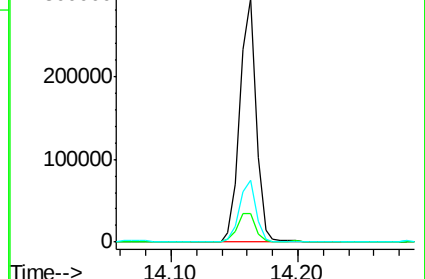
236 25.4 20.7 31.1

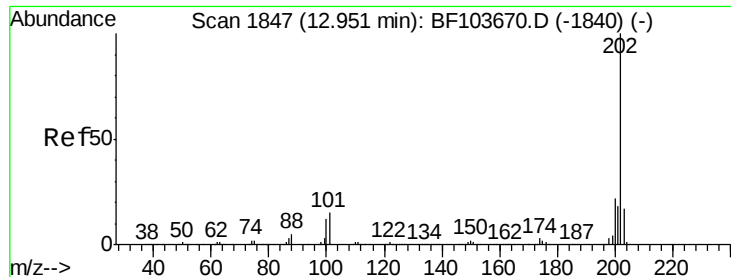


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 51.078 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

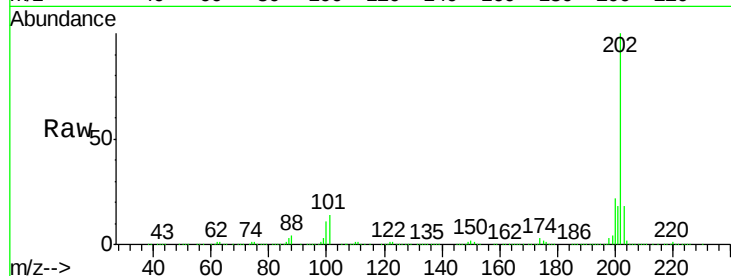
Tot Ion:202 Resp: 970937

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

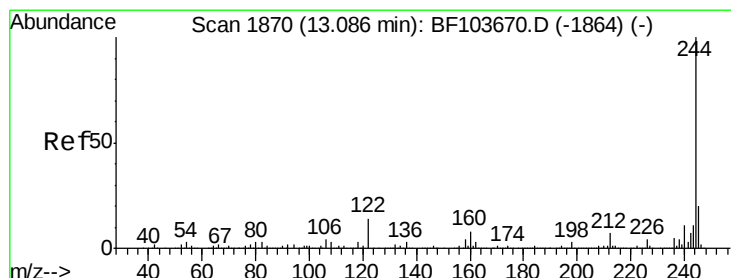
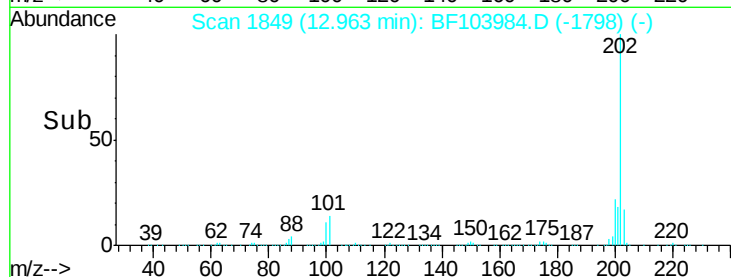
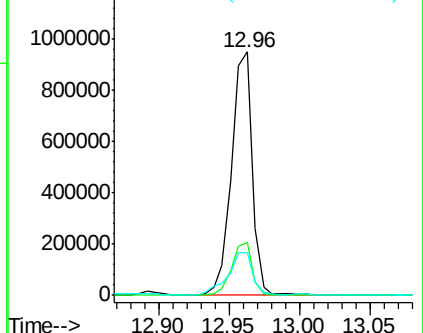
203 17.7 14.3 21.5



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: 75.560 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

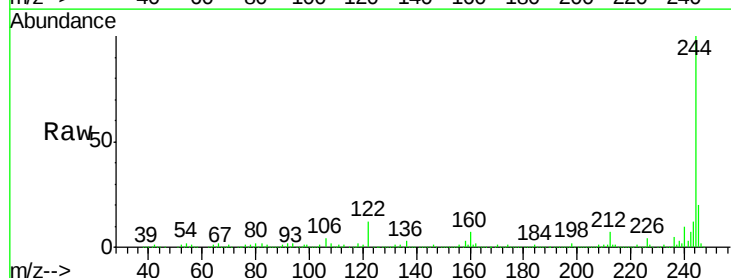
Tgt Ion:244 Resp: 842593

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

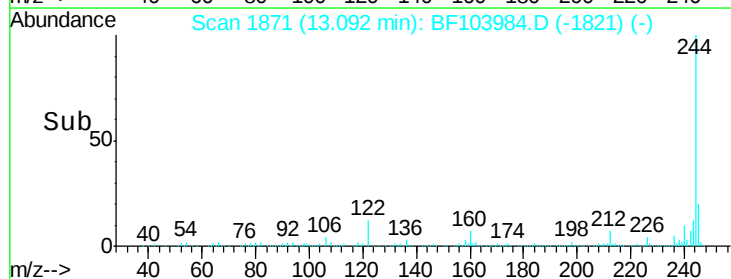
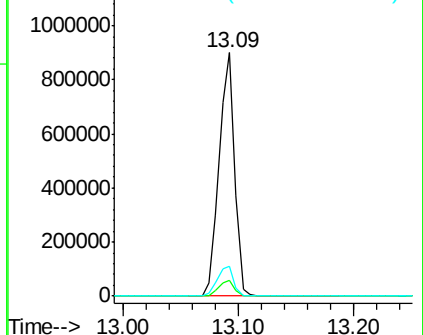
122 12.4 11.0 16.4

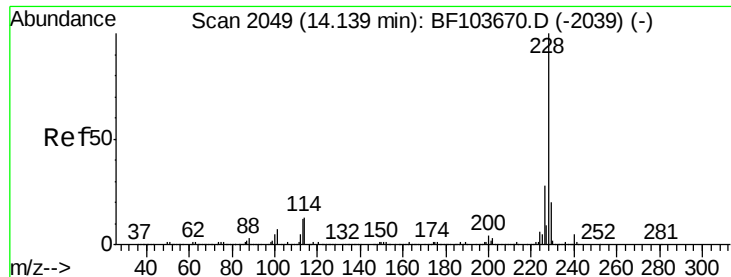


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 25.770 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.03 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

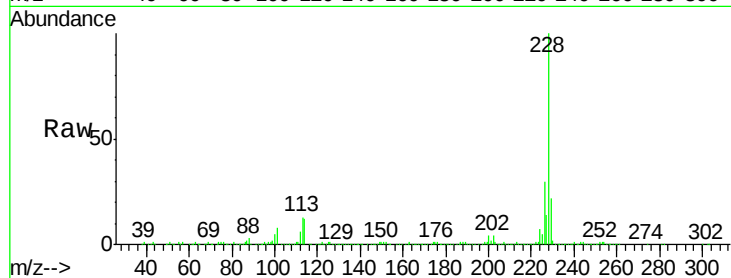
Tot Ion:228 Resp: 422228

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

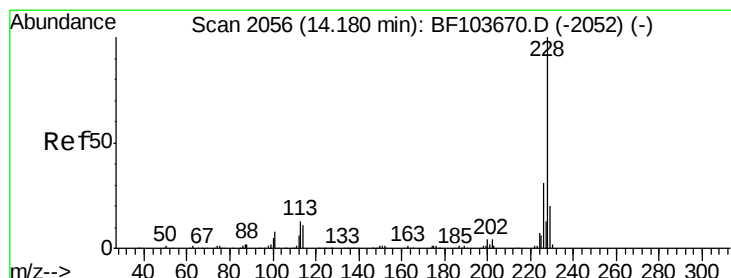
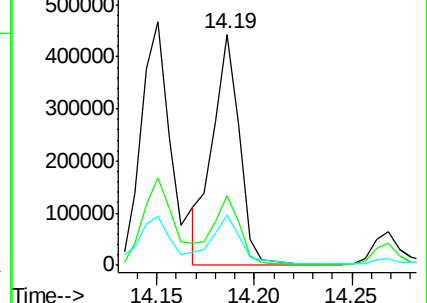
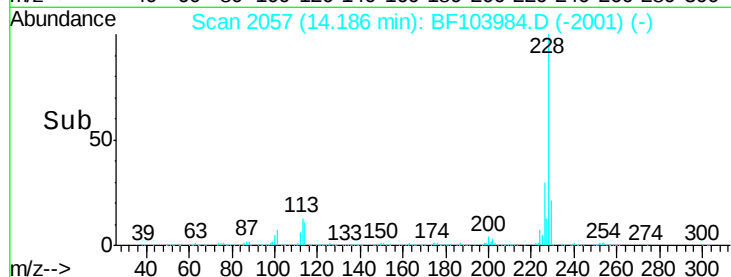
229 21.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 27.034 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

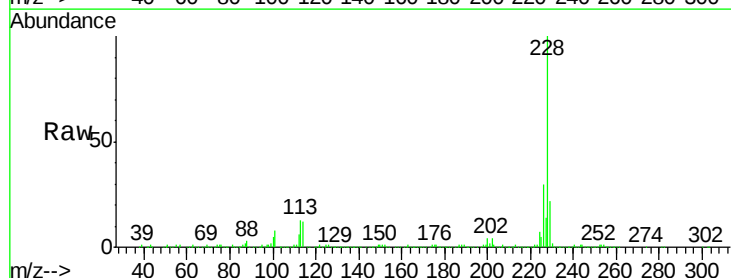
Tgt Ion:228 Resp: 422228

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

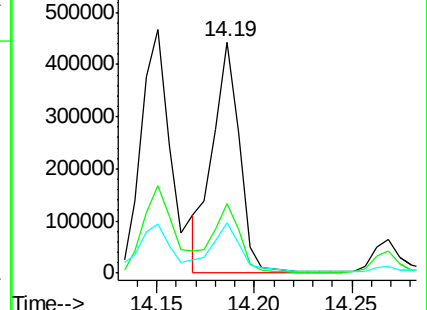
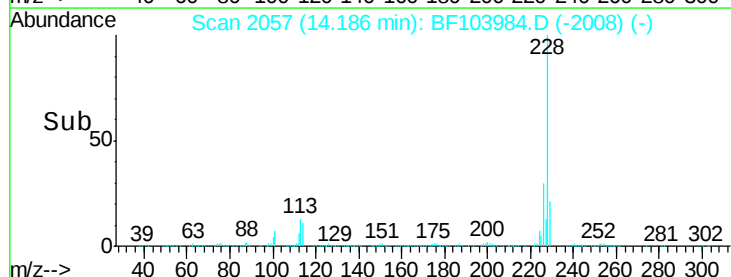
229 21.6 16.2 24.4

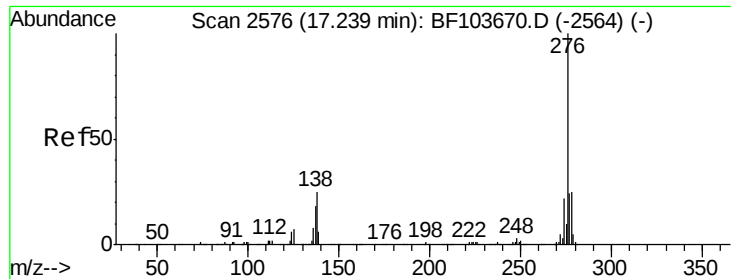


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.889 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

Instrument :

BNA_F

ClientSampleId :

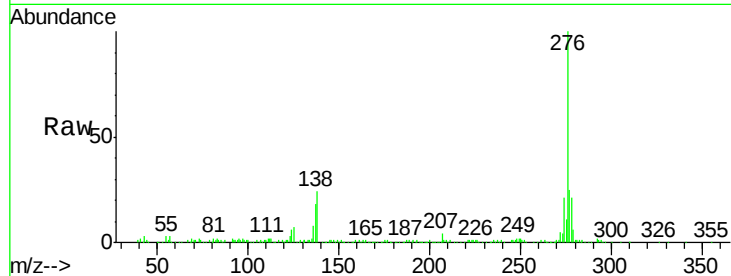
Tot Ion:276 Resp: 271273

Ion Ratio Lower Upper

276 100

138 24.4 25.0 37.6#

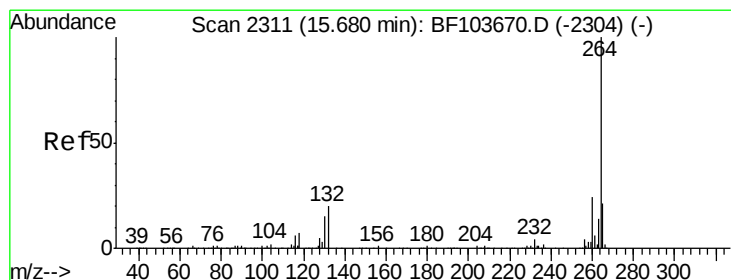
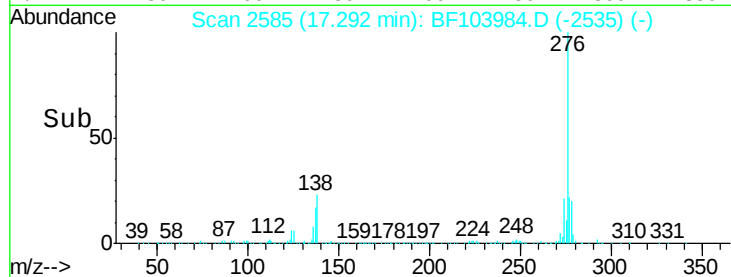
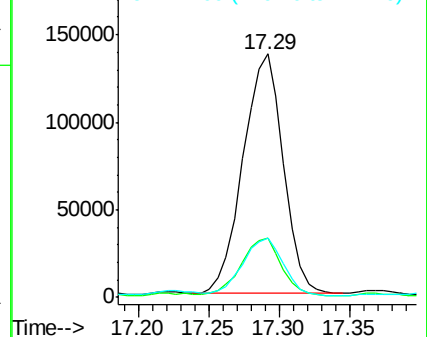
277 24.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BF103984.D

Acq: 27 Mar 2018 21:40

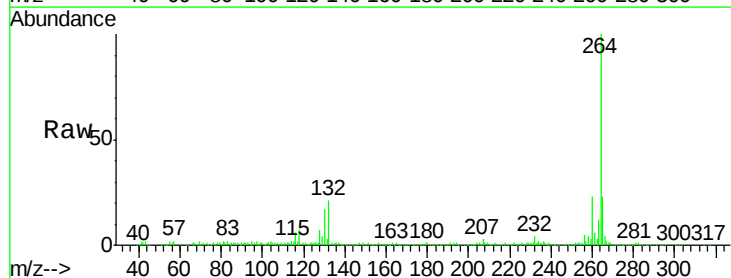
Tgt Ion:264 Resp: 238299

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

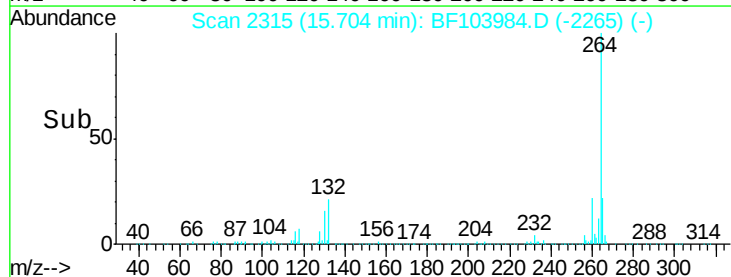
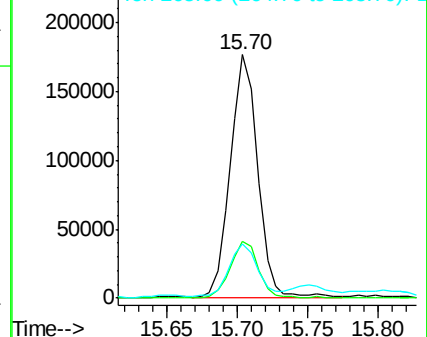
265 22.5 17.5 26.3

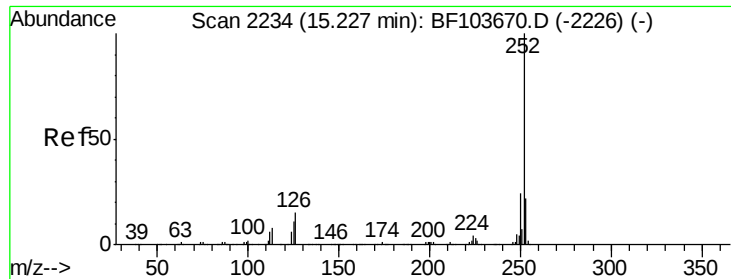


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

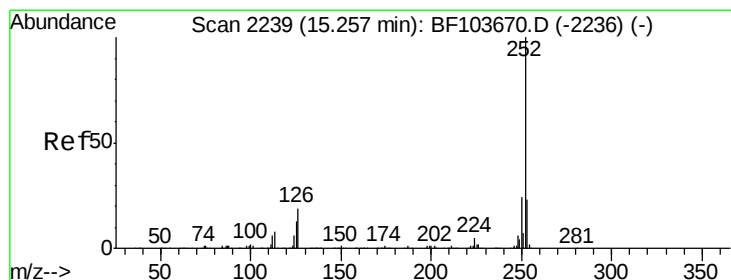
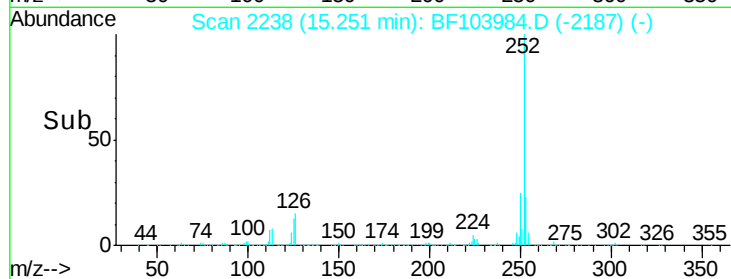
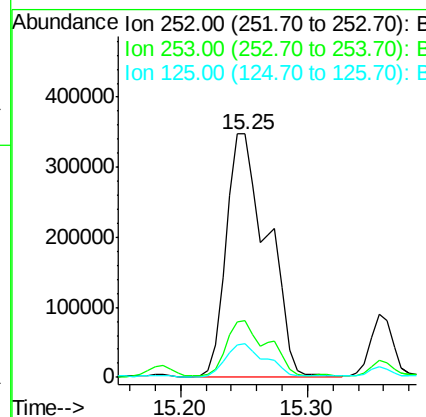
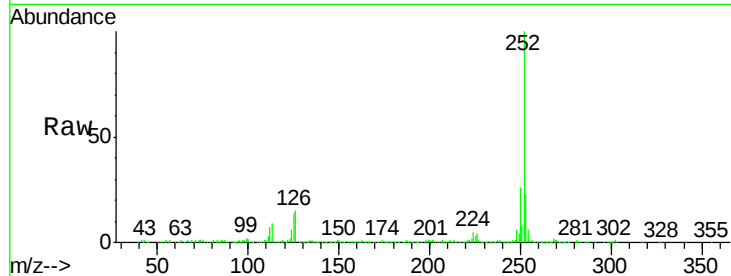




#87
Benzo(b)fluoranthene
Concen: 51.937 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

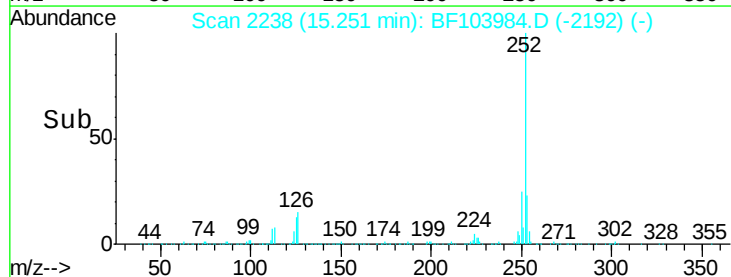
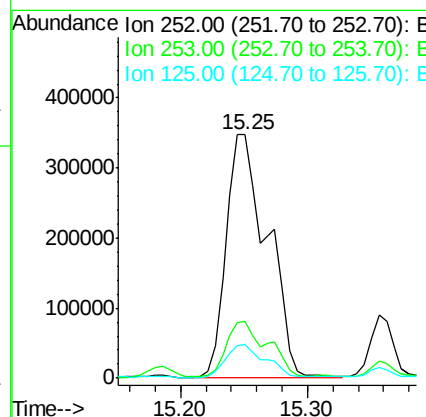
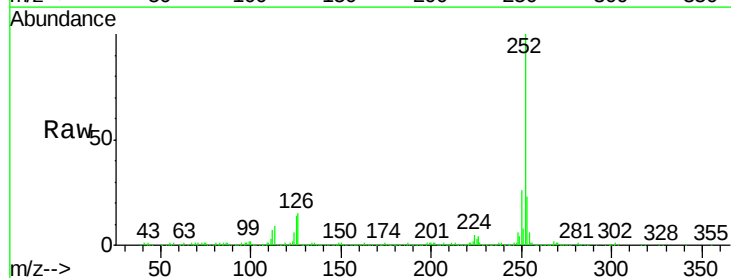
Instrument :
BNA_F
ClientSampleId :

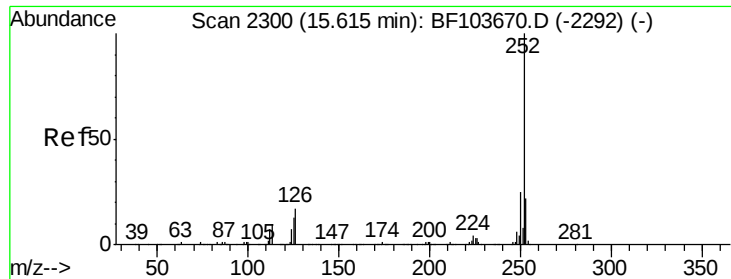
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	13.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 54.030 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.03 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.8	10.2	15.2

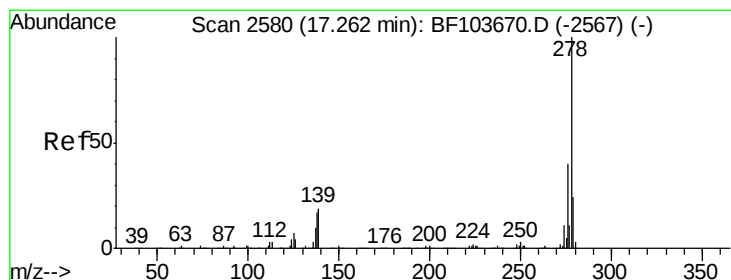
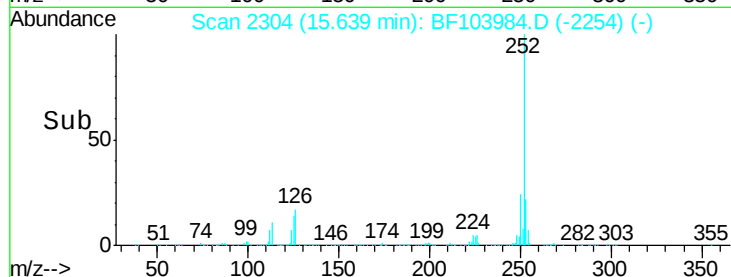
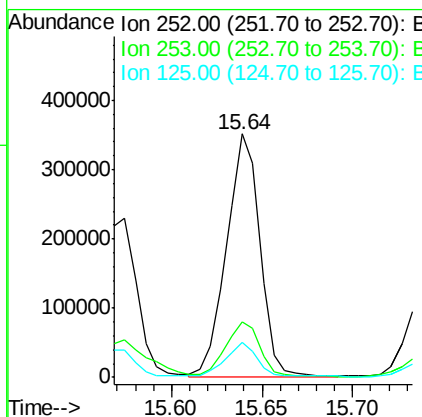
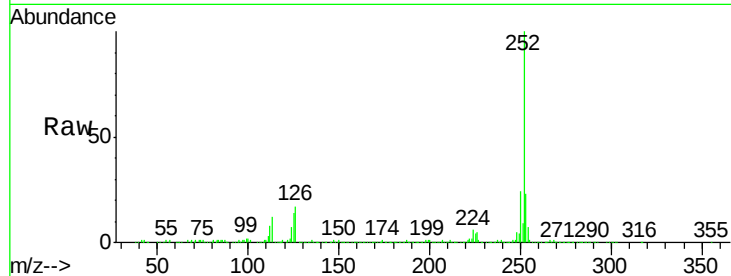




#89
Benzo(a)pyrene
Concen: 32.720 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

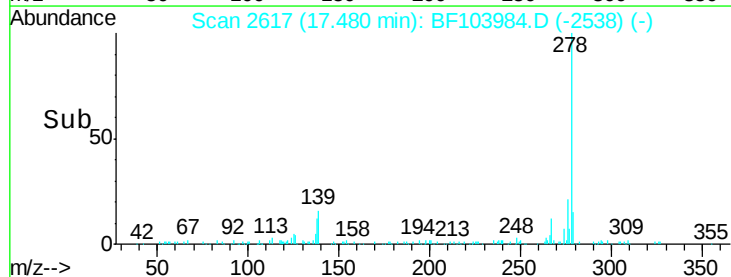
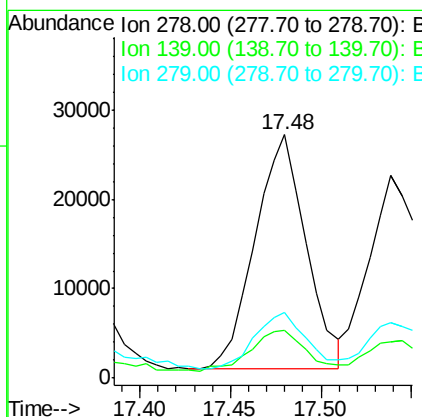
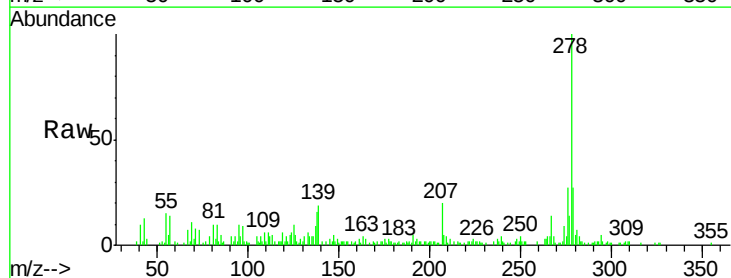
Instrument :
BNA_F
ClientSampleId :

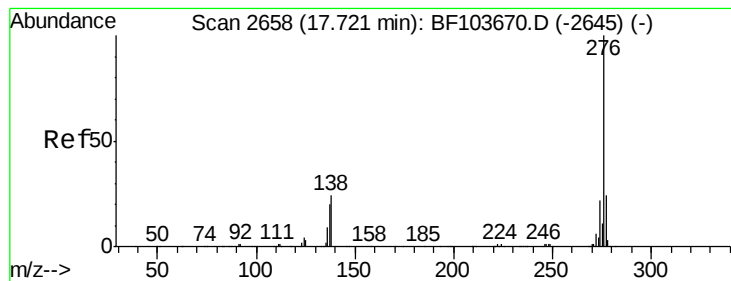
Tot Ion:252 Resp: 446799
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 14.3 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.367 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.16 min
Lab File: BF103984.D
Acq: 27 Mar 2018 21:40

Tgt Ion:278 Resp: 51639
Ion Ratio Lower Upper
278 100
139 19.4 15.9 23.9
279 26.8 19.0 28.4

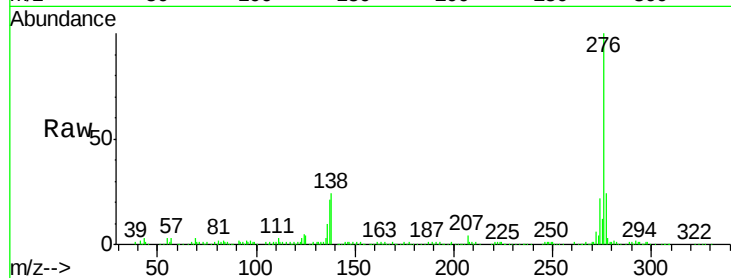




#91
 Benzo(a,h,i)perylene
 Concen: 23.770 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. -0.01 min
 Lab File: BF103984.D
 Acq: 27 Mar 2018 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	24.1	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

