

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103988.D
 Acq On : 27 Mar 2018 23:25
 Operator : JU/SJ
 Sample : J2075-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:59:58 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	143851	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	567168	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	242419	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	371423	20.00	ng	0.00
75) Chrysene-d12	14.16	240	261572	20.00	ng	0.00
86) Perylene-d12	15.71	264	225902	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1170655	123.78	ng	0.02
7) Phenol-d6	6.61	99	1428865	123.49	ng	0.01
23) Nitrobenzene-d5	7.54	82	825279	101.47	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	281225	134.92	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1459371	96.03	ng	0.00
78) Terphenyl-d14	13.09	244	1181684	104.86	ng	0.00

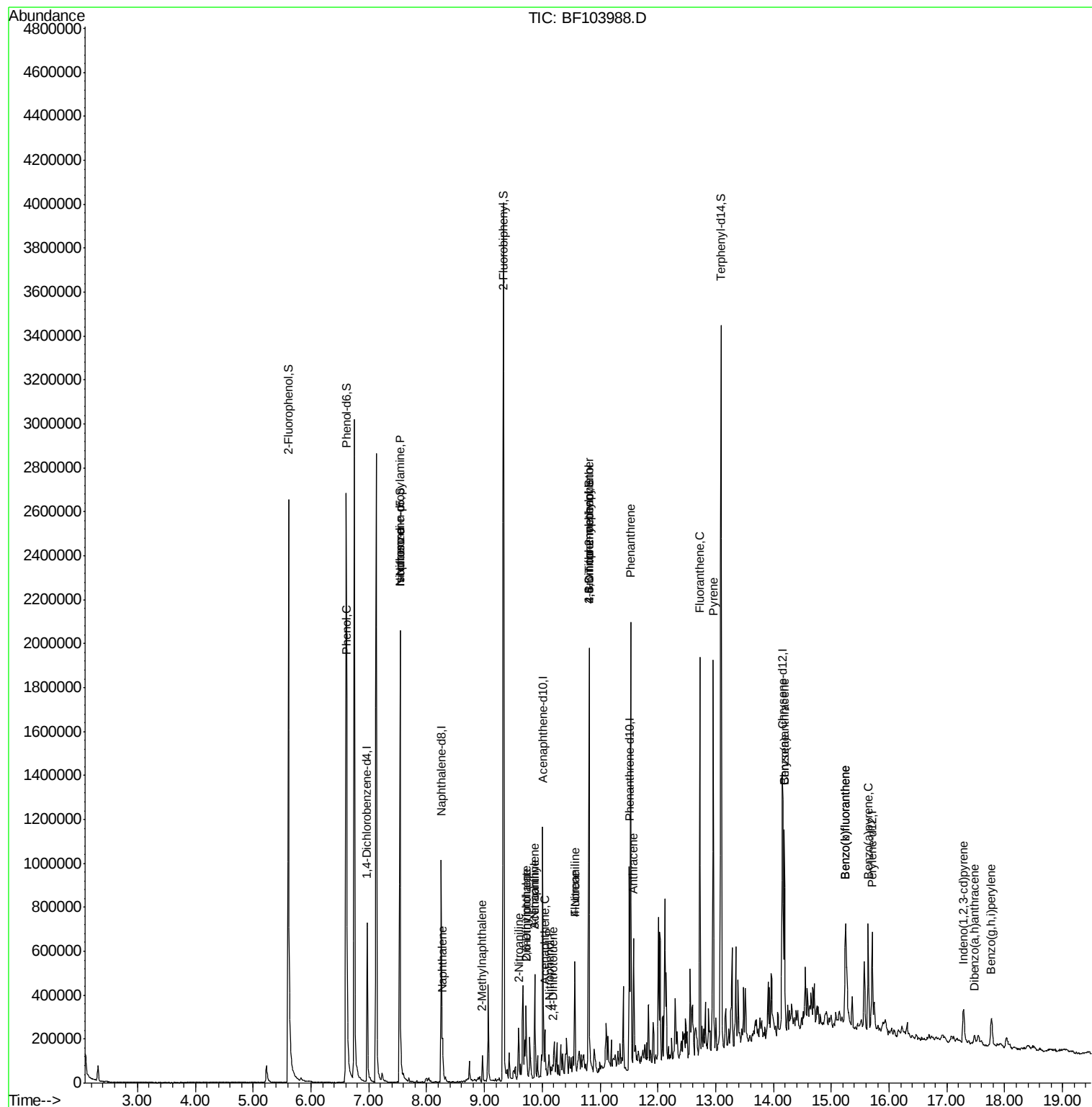
Target Compounds				Qvalue		
10) Phenol	6.62	94	52618	4.280	ng	82
19) n-Nitroso-di-n-propylamine	7.54	70	108705	14.659	ng	# 71
25) Isophorone	7.54	82	825266	43.833	ng	# 64
31) Naphthalene	8.27	128	69109	2.412	ng	99
37) 2-Methylnaphthalene	8.96	142	38537	2.121	ng	98
47) 2-Nitroaniline	9.59	65	1515	7.124	ng	# 2
48) Acenaphthylene	9.87	152	193113	7.757	ng	99
49) Dimethylphthalate	9.72	163	125025	6.760	ng	100
50) 2,6-Dinitrotoluene	9.72	165	2460	4.614	ng	# 30
51) Acenaphthene	10.05	154	35751	2.418	ng	95
52) 3-Nitroaniline	9.87	138	117	3.840	ng	# 2
55) 4-Nitrophenol	10.11	139	2137	5.562	ng	# 55
56) 2,4-Dinitrotoluene	10.18	165	2098	6.617	ng	# 64
57) Fluorene	10.56	166	147028	8.974	ng	99
61) 4-Nitroaniline	10.56	138	1563	4.099	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.80	198	685	8.669	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	17274	4.530	ng	# 1
70) Phenanthrene	11.53	178	738455	36.345	ng	98
71) Anthracene	11.58	178	237540	11.511	ng	98
74) Fluoranthene	12.73	202	679328	32.454	ng	99
77) Pyrene	12.96	202	780172	40.614	ng	100
80) Benzo(a)anthracene	14.19	228	330086	19.936	ng	95
82) Chrysene	14.19	228	330086	20.913	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	102062	7.405	ng	94
87) Benzo(b)fluoranthene	15.24	252	374615	26.248	ng	# 95
88) Benzo(k)fluoranthene	15.24	252	374615	27.306	ng	98
89) Benzo(a)pyrene	15.64	252	249766	19.295	ng	96
90) Dibenzo(a,h)anthracene	17.48	278	27121	2.420	ng	94
91) Benzo(g,h,i)perylene	17.77	276	103199	9.464	ng	94

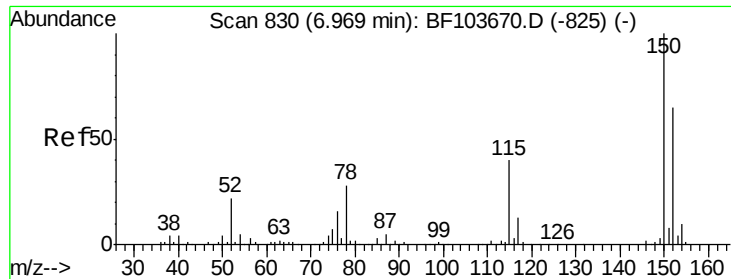
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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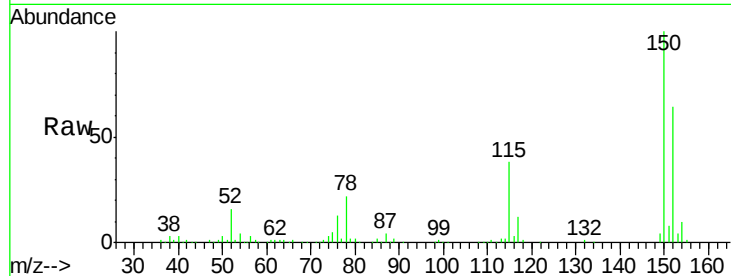


#1

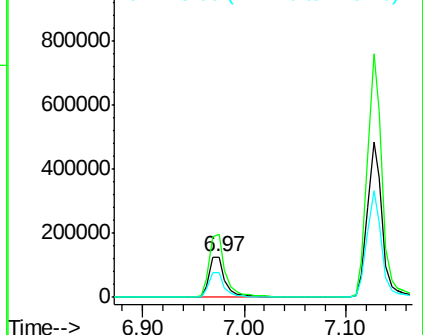
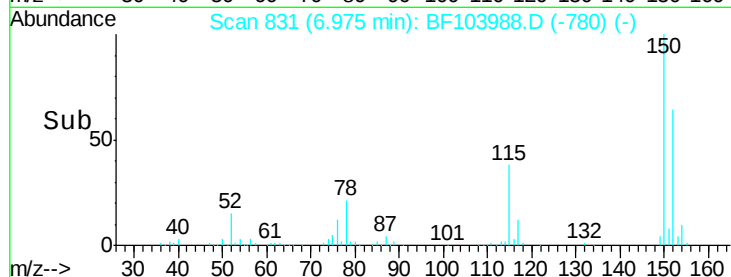
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 143851
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 60.0 50.1 75.1



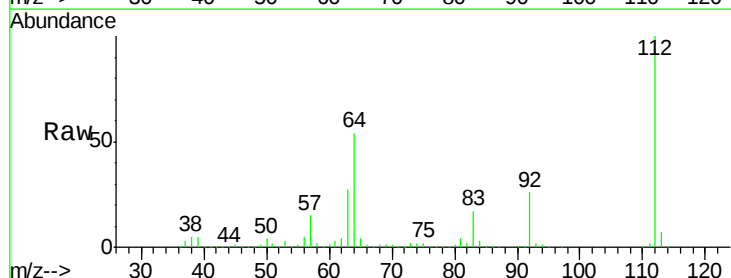
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



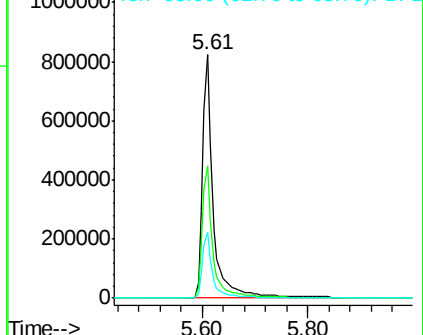
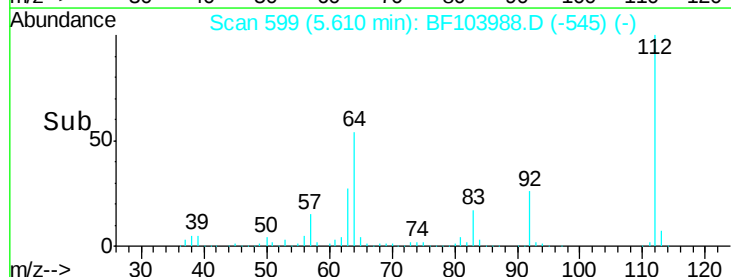
#5

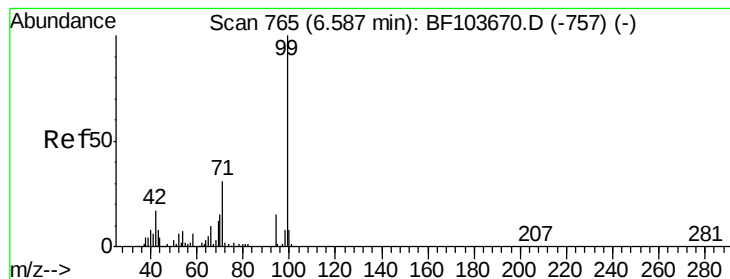
2-Fluorophenol
 Concen: 123.778 ng
 RT: 5.61 min Scan# 599
 Delta R.T. 0.02 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Tgt Ion:112 Resp: 1170655
 Ion Ratio Lower Upper
 112 100
 64 54.3 47.9 71.9
 63 27.0 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: 123.489 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampled :

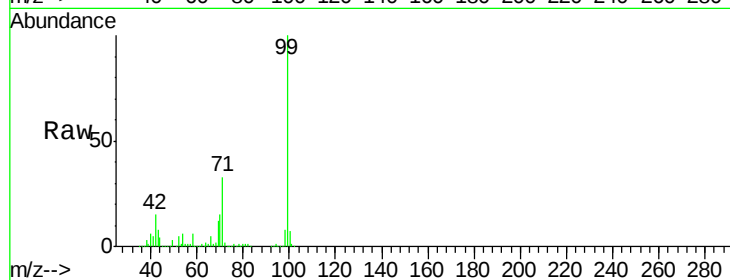
Tot Ion: 99 Resp: 1428865

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

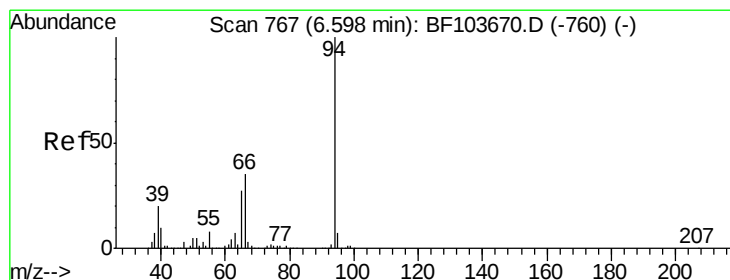
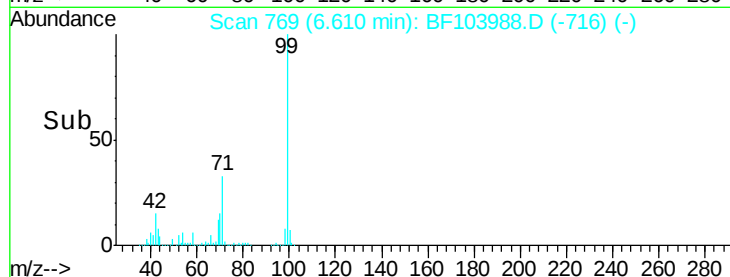
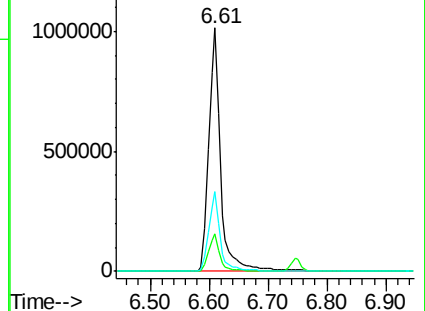
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.280 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

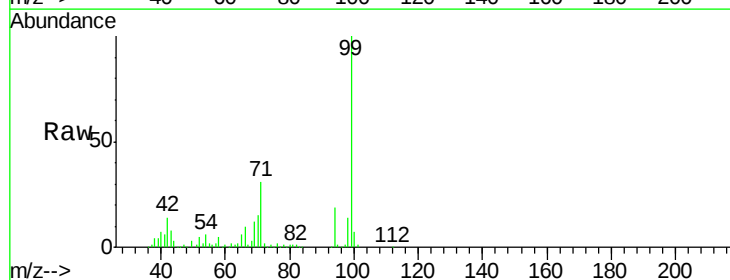
Tgt Ion: 94 Resp: 52618

Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

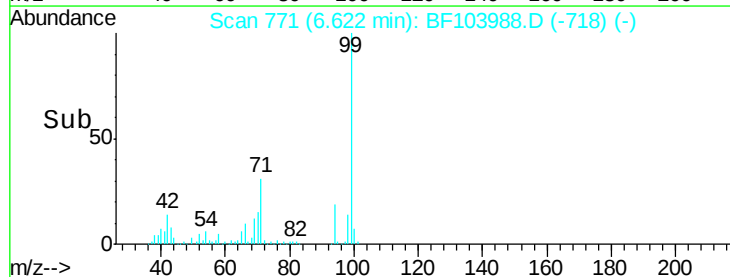
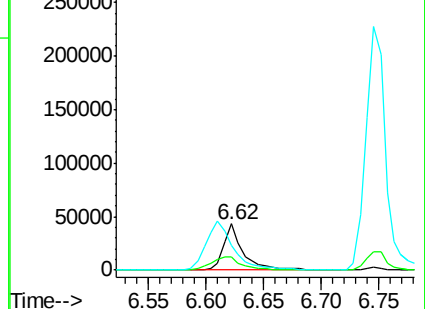
66 53.4 16.2 56.2

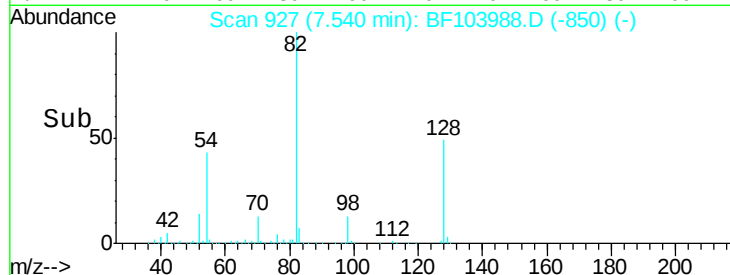
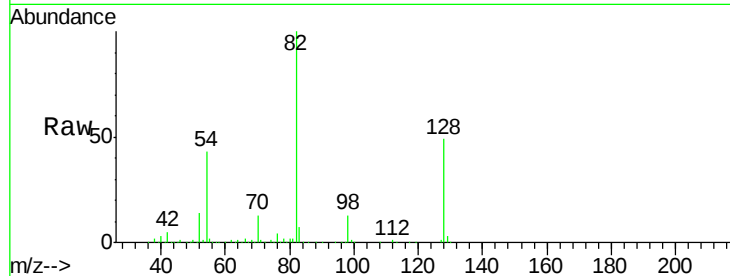
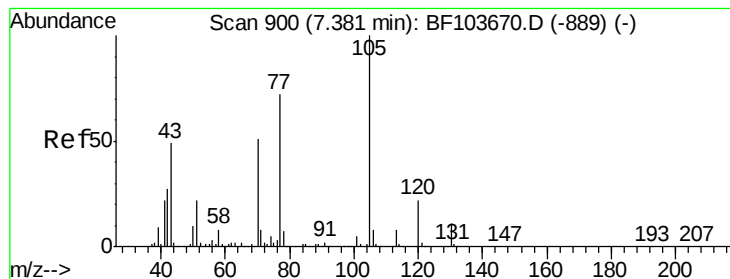


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.659 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 108705

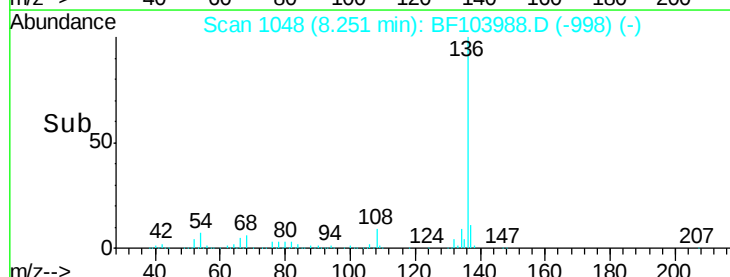
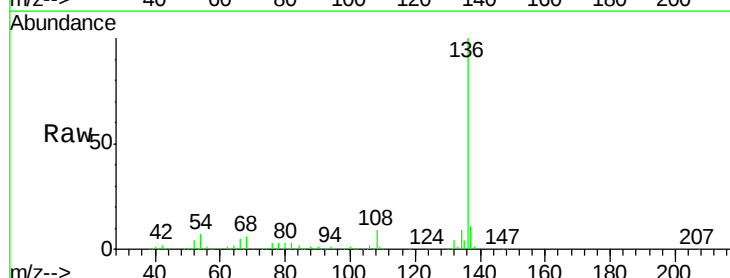
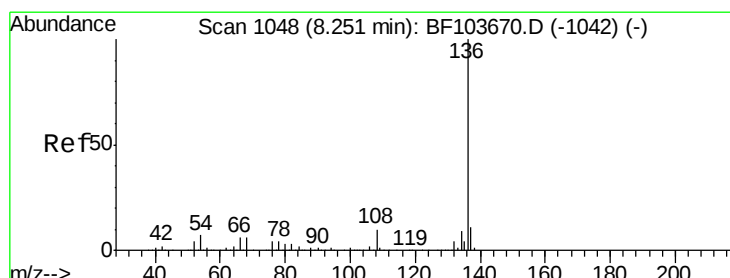
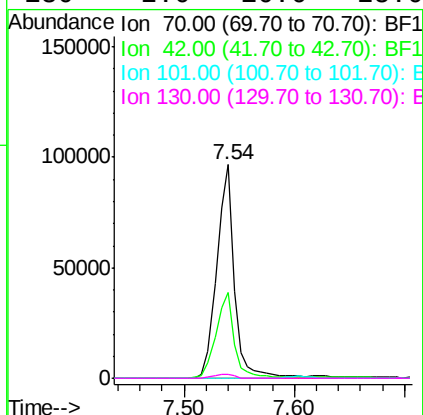
Ion Ratio Lower Upper

70 100

42 40.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Tgt Ion:136 Resp: 567168

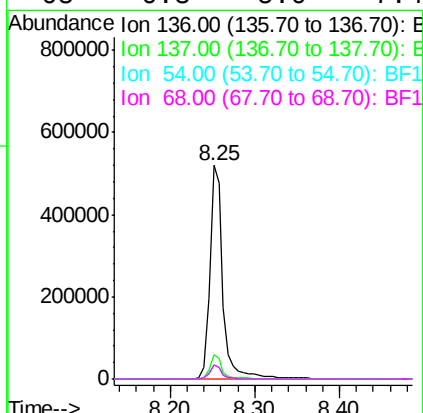
Ion Ratio Lower Upper

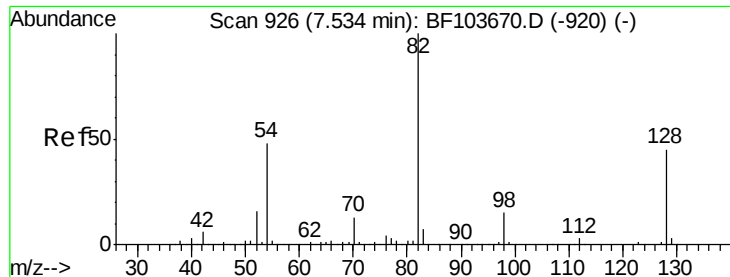
136 100

137 11.2 8.9 13.3

54 6.8 6.6 9.8

68 6.3 5.0 7.4

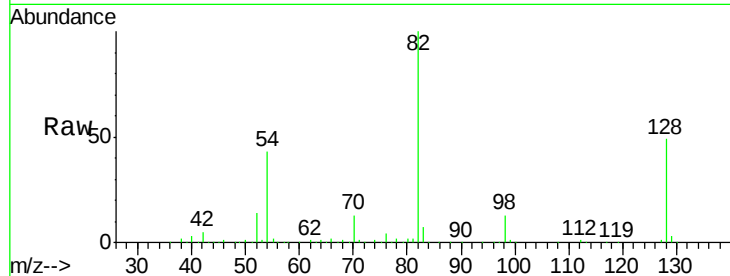




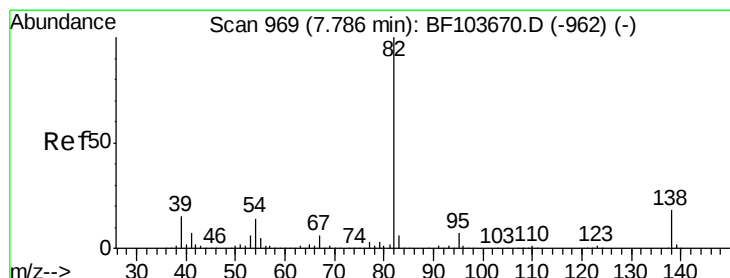
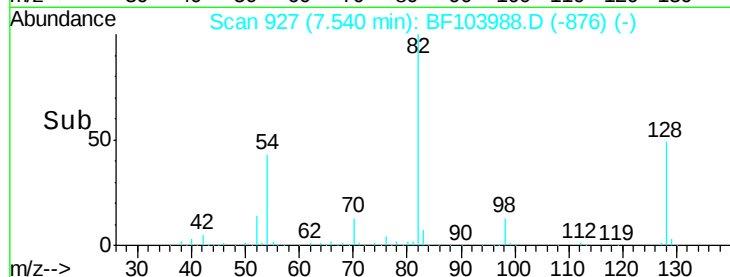
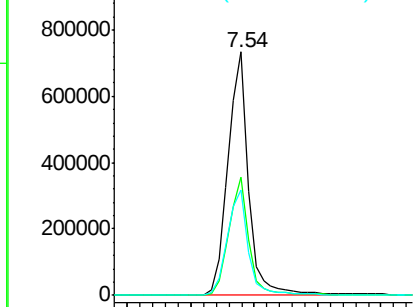
#23
Nitrobenzene-d5
Concen: 101.472 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	825279
Ion Ratio	100	Lower	Upper
128	48.5	36.1	54.1
54	43.3	41.4	62.2

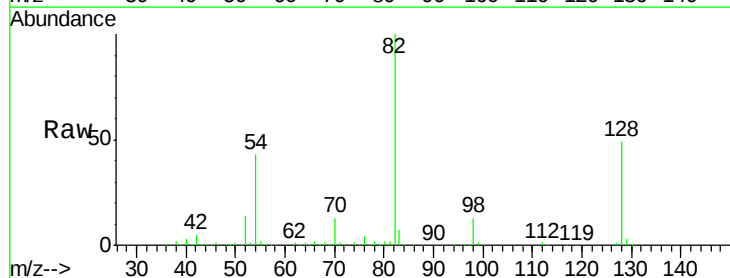


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

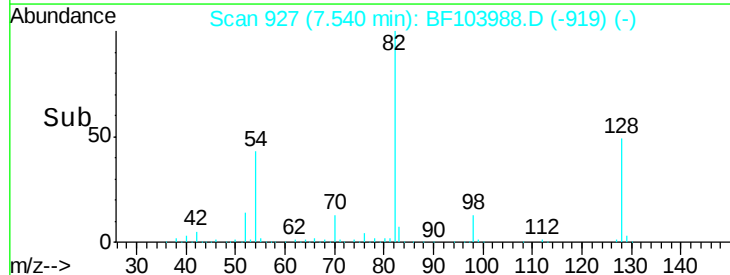
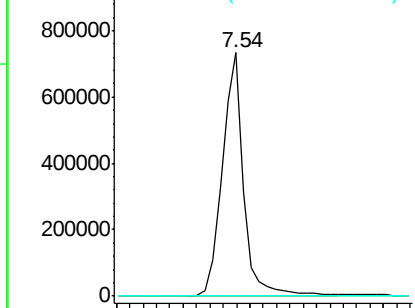


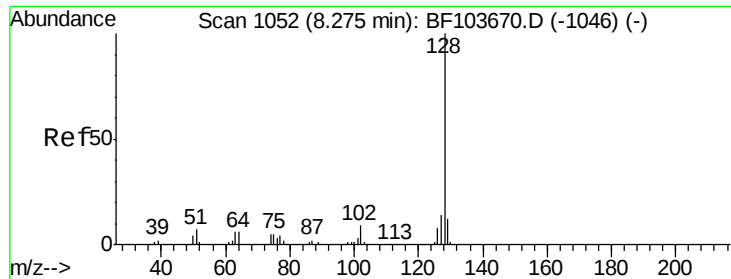
#25
Isophorone
Concen: 43.833 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.25 min
Lab File: BF103988.D
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Tgt Ion	82	Resp	825266
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

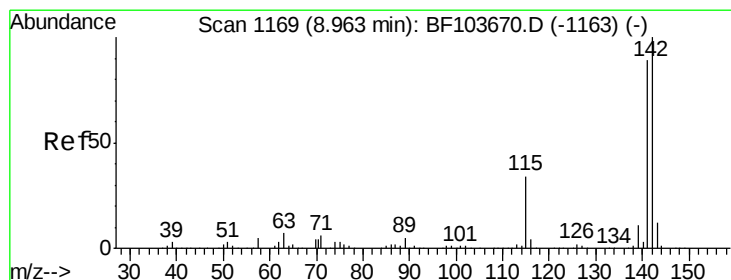
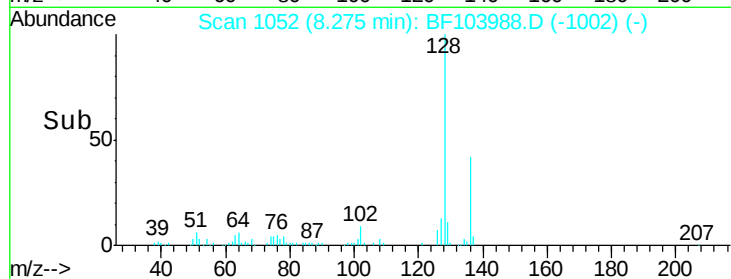
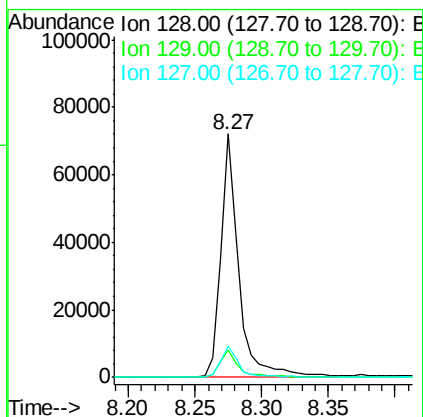
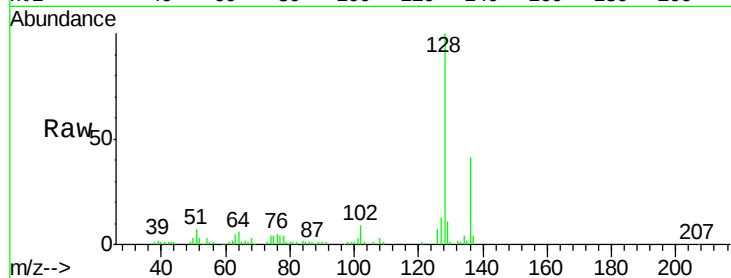




#31
Naphthalene
Concen: 2.412 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

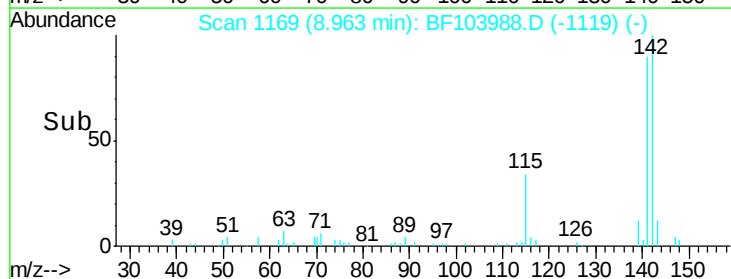
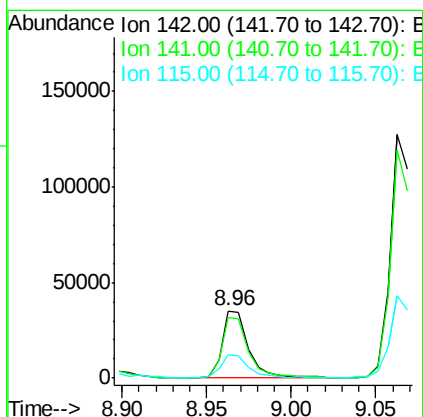
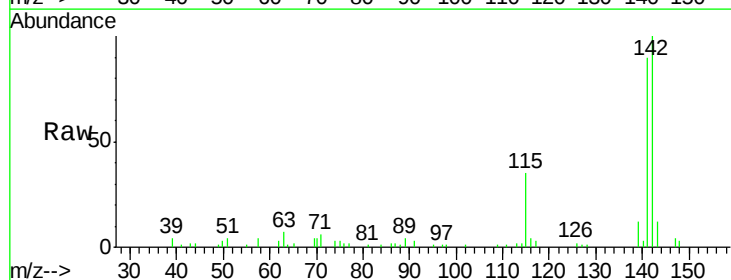
Instrument :
BNA_F
ClientSampleId :

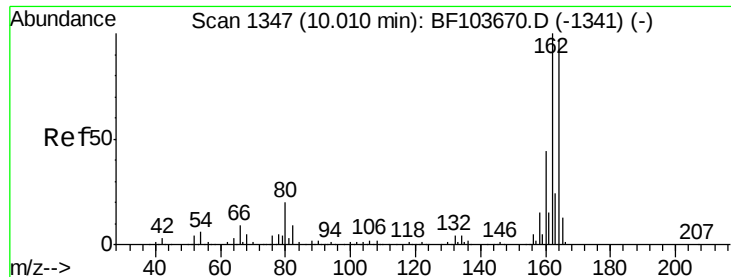
Tot Ion:128 Resp: 69109
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.7 10.9 16.3



#37
2-Methylnaphthalene
Concen: 2.121 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:142 Resp: 38537
Ion Ratio Lower Upper
142 100
141 90.0 70.8 106.2
115 34.8 26.1 39.1

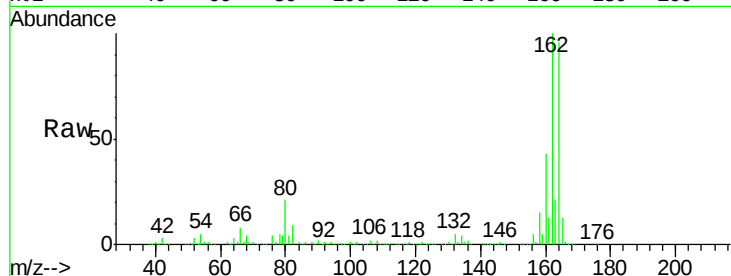




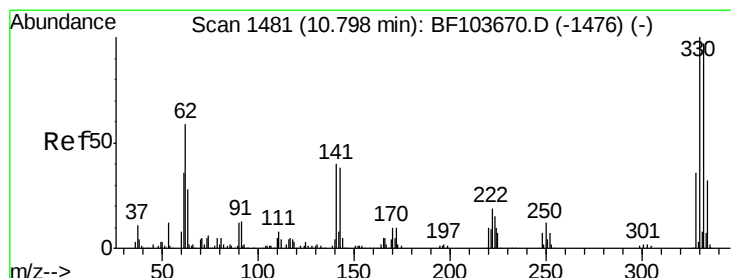
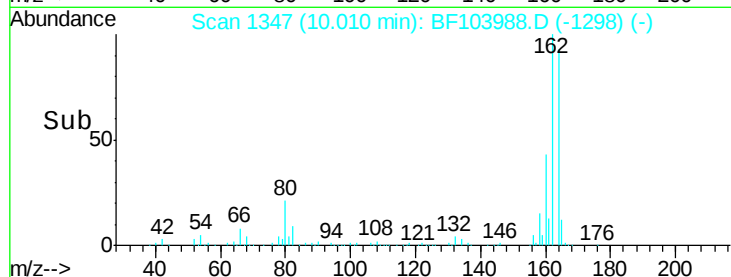
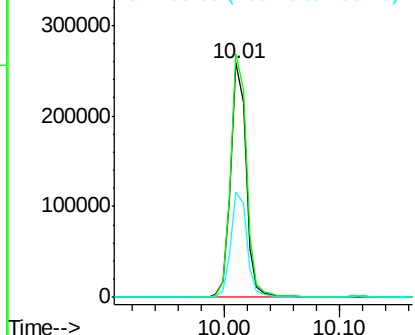
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 242419
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 44.9 38.3 57.5

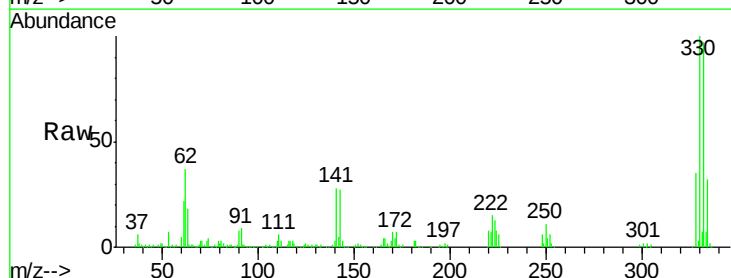


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

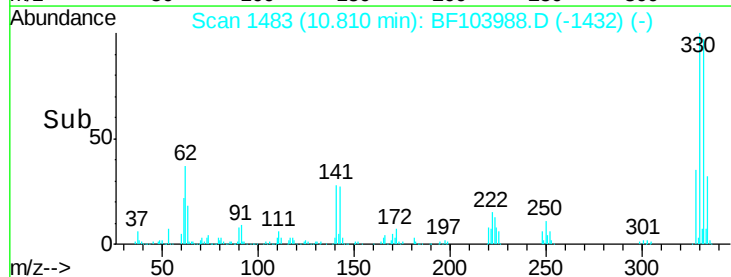
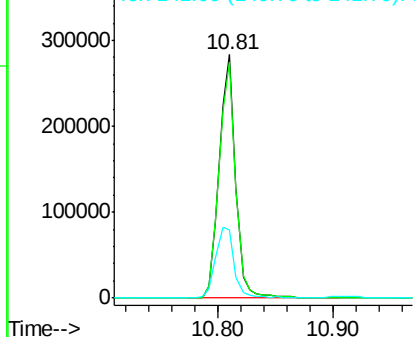


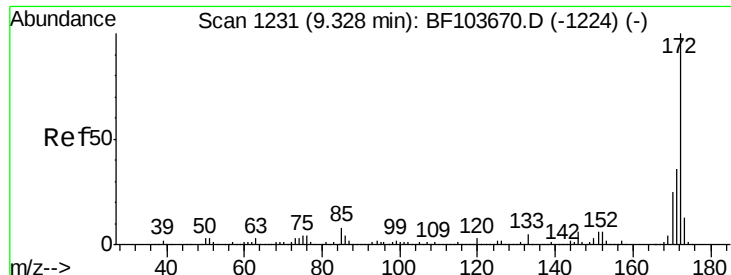
#41
 2,4,6-Tribromophenol
 Concen: 134.923 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Tgt Ion:330 Resp: 281225
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 32.2 29.9 44.9



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

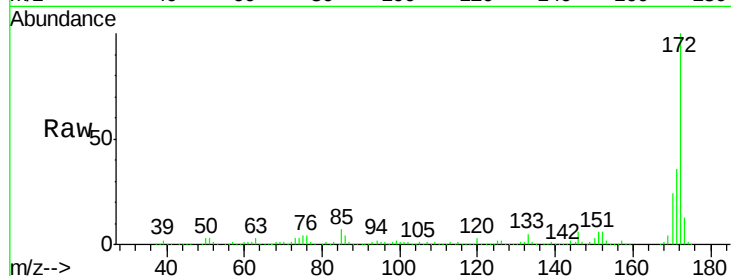




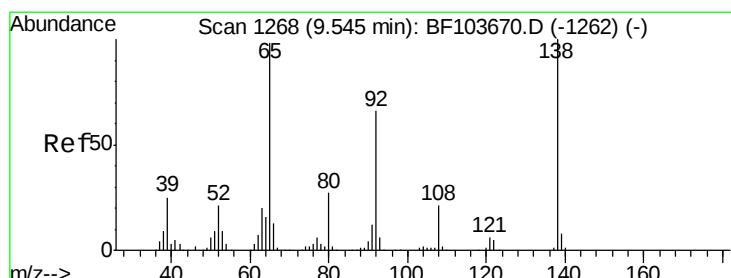
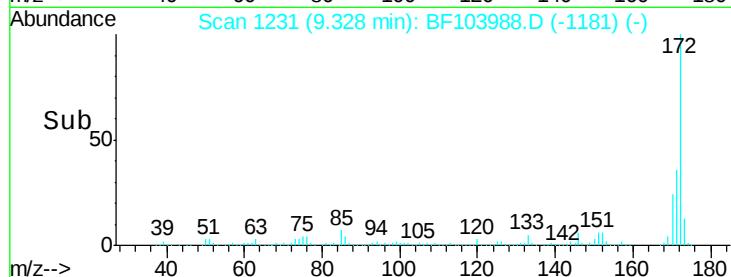
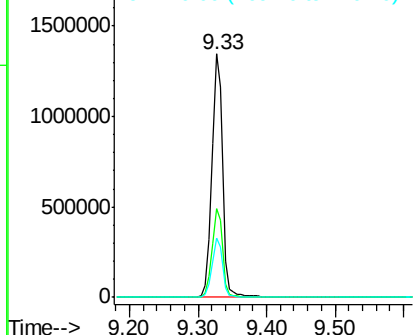
#44
2-Fluorobiphenyl
Concen: 96.029 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1459371
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.2 19.6 29.4

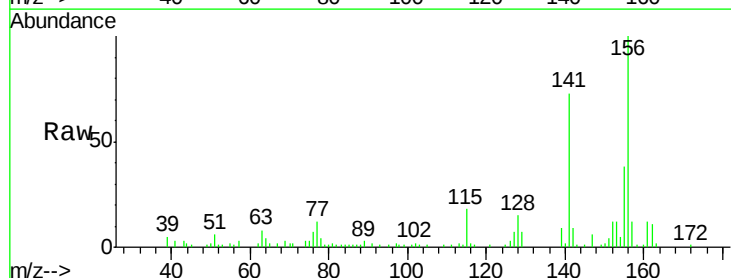


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

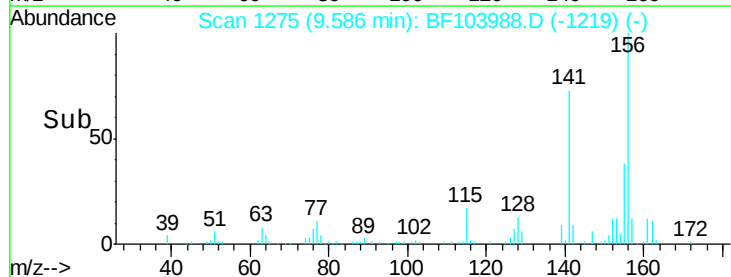
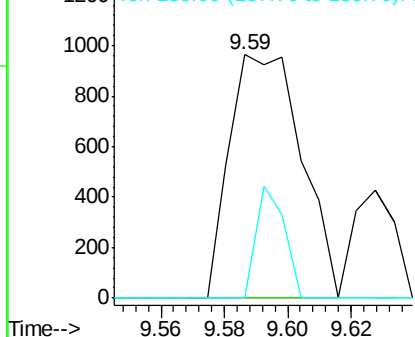


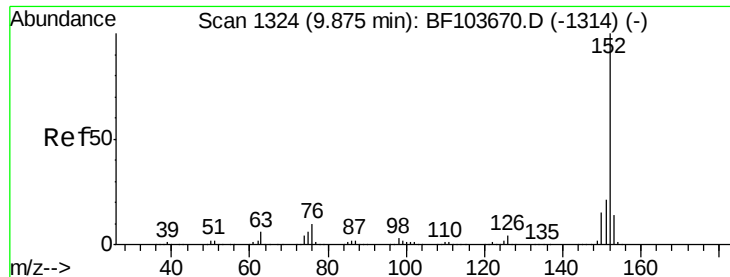
#47
2-Nitroaniline
Concen: 7.124 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.03 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion: 65 Resp: 1515
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

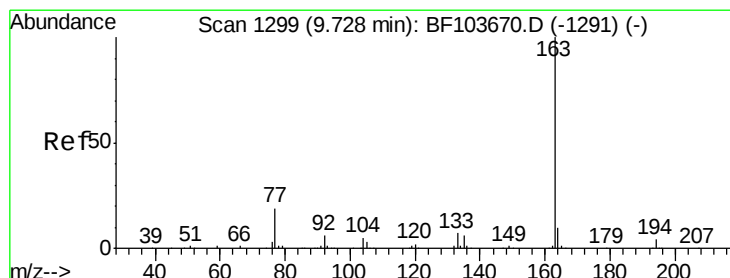
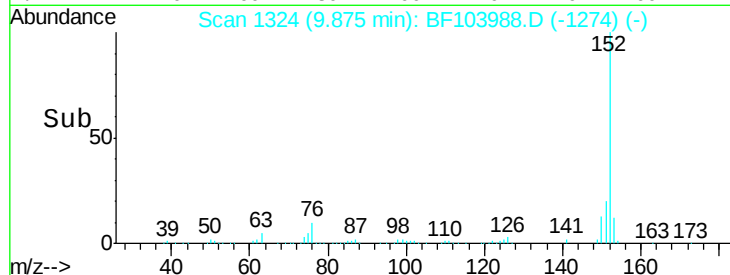
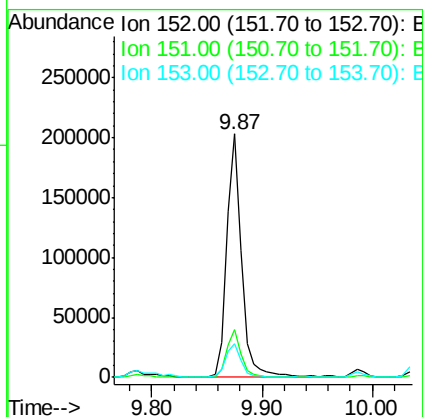
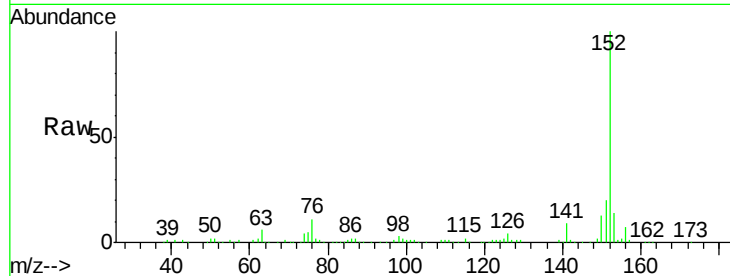




#48
 Acenaphthylene
 Concen: 7.757 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

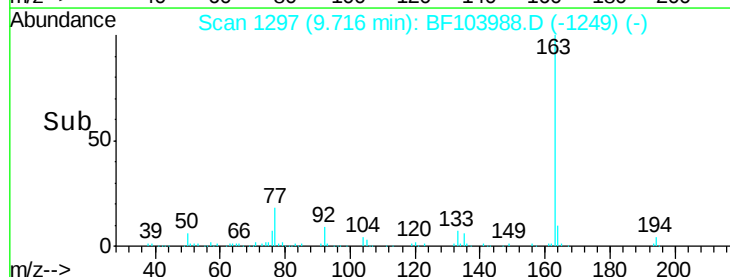
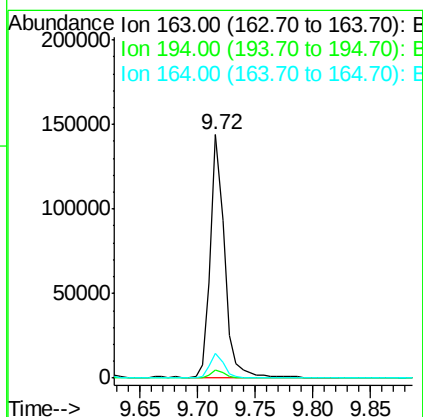
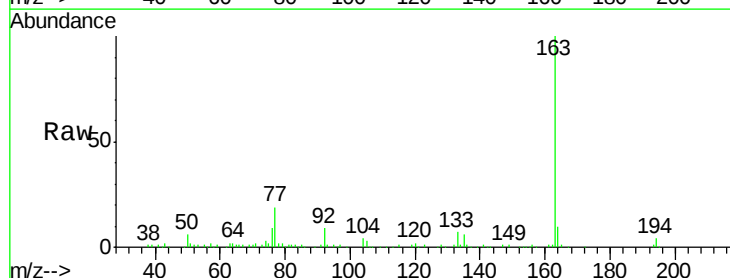
Instrument :
 BNA_F
 ClientSampled :

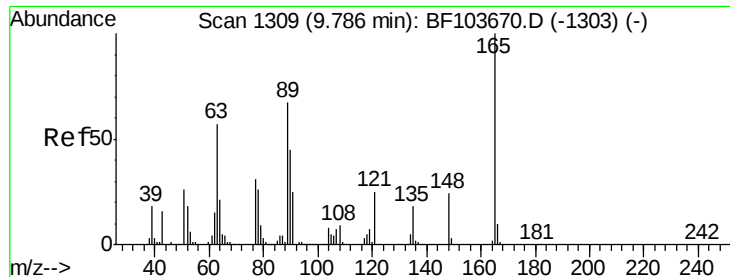
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.7	10.7	16.1



#49
 Dimethylphthalate
 Concen: 6.760 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.4	8.2	12.2

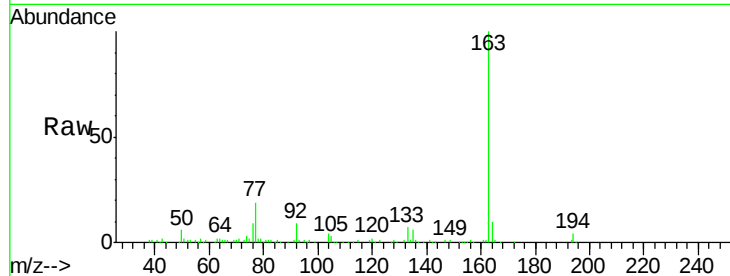




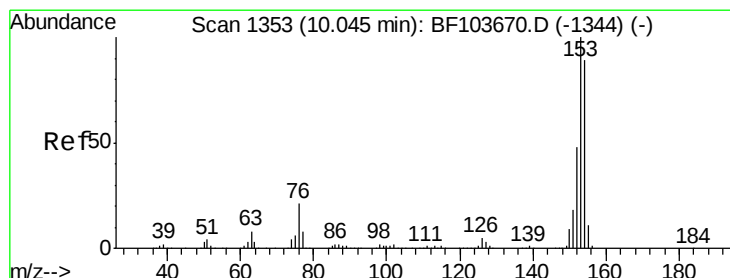
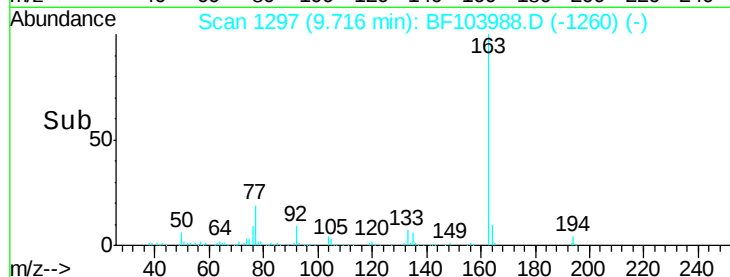
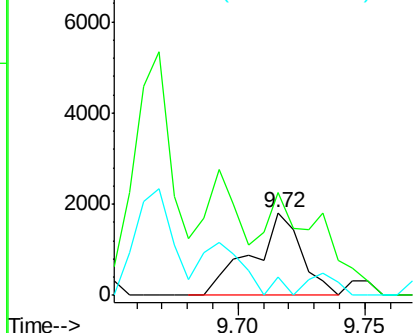
#50
2,6-Dinitrotoluene
Concen: 4.614 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 2460
Ion Ratio Lower Upper
165 100
63 124.6 44.7 67.1#
89 22.4 44.0 66.0#

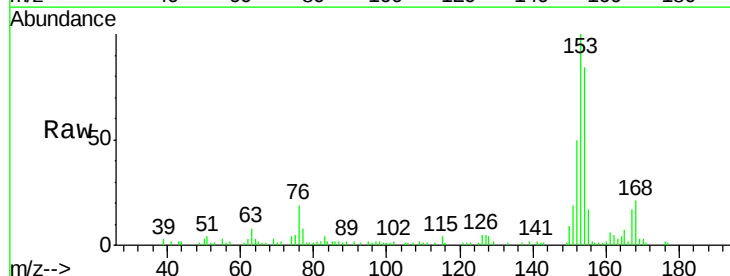


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

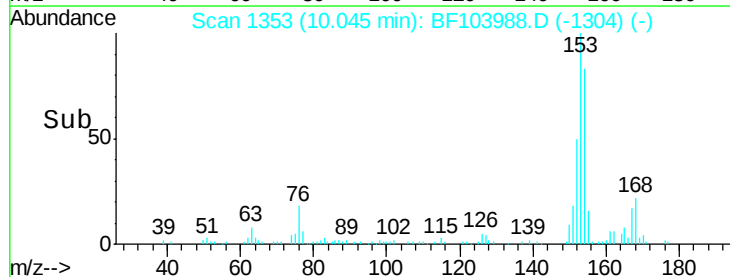
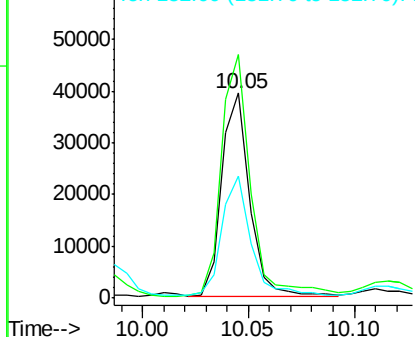


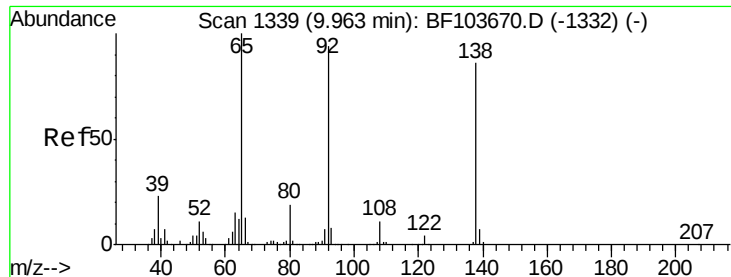
#51
Acenaphthene
Concen: 2.418 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:154 Resp: 35751
Ion Ratio Lower Upper
154 100
153 118.8 91.2 136.8
152 59.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

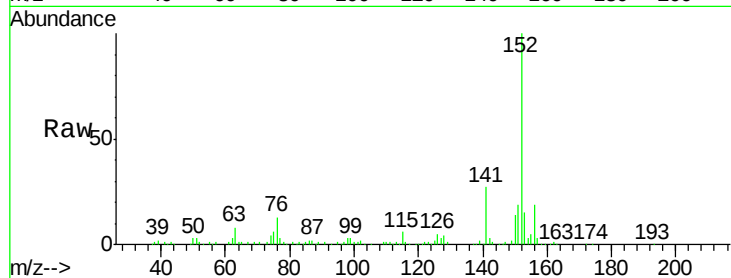




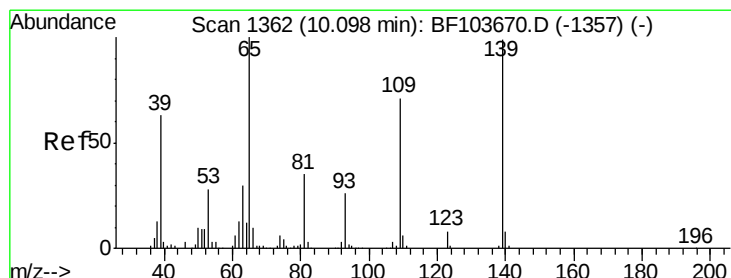
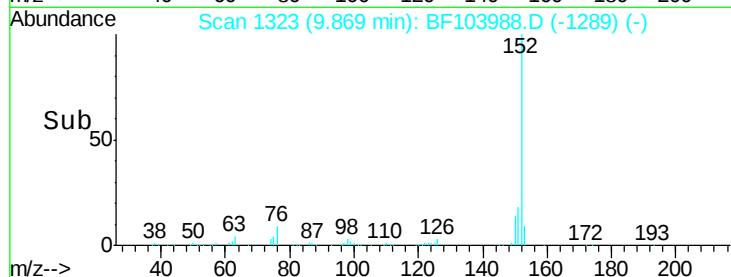
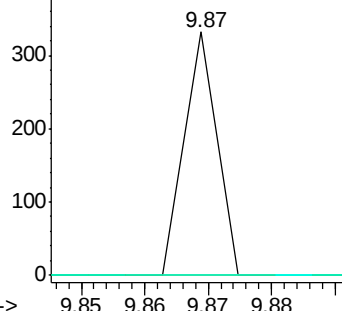
#52
3-Nitroaniline
Concen: 3.840 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.10 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 117
Ion Ratio Lower Upper
138 100
108 0.0 9.4 14.0#
92 0.0 89.4 134.2#

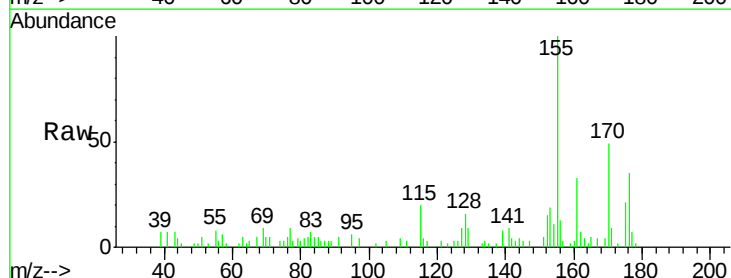


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

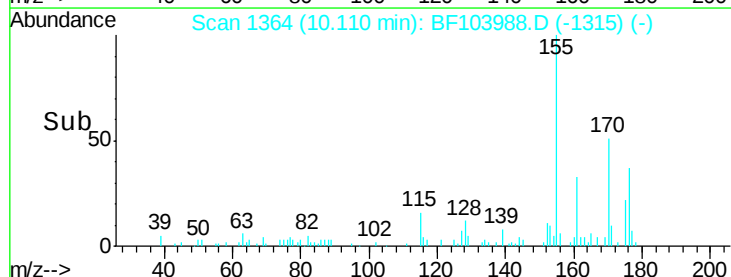
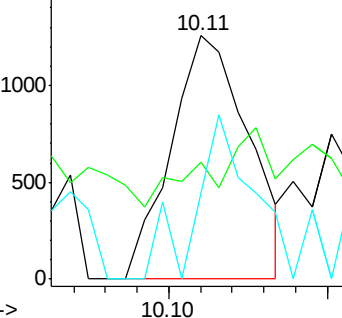


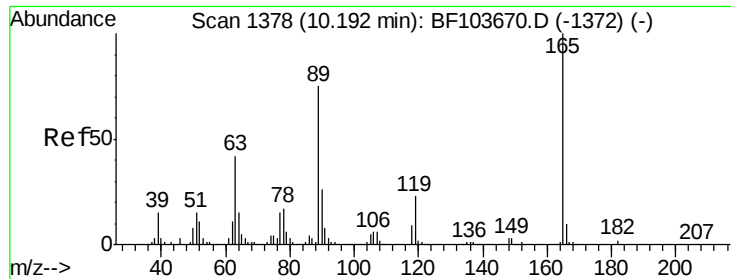
#55
4-Nitrophenol
Concen: 5.562 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:139 Resp: 2137
Ion Ratio Lower Upper
139 100
109 47.9 48.4 88.4#
65 35.5 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

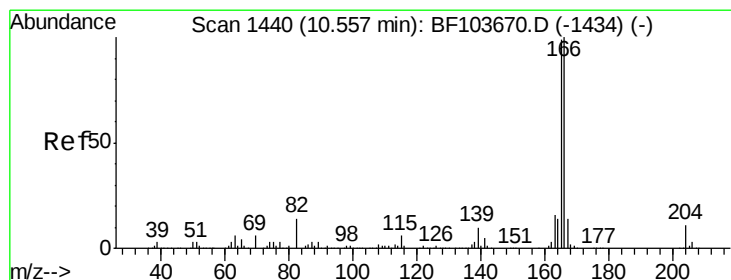
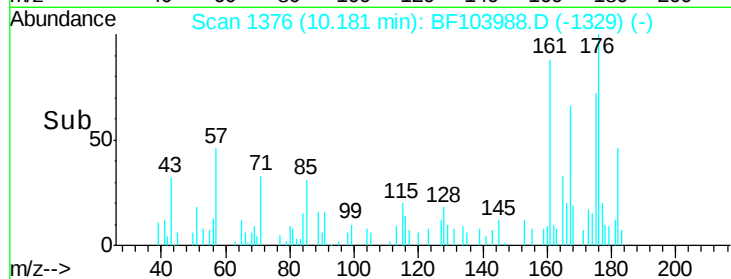
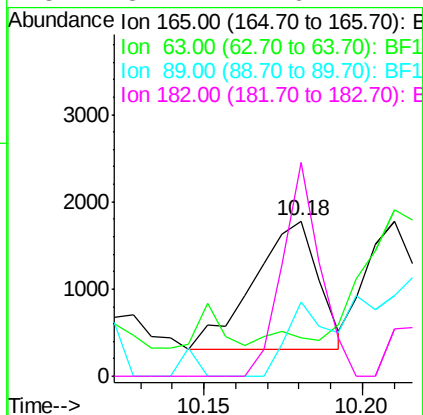
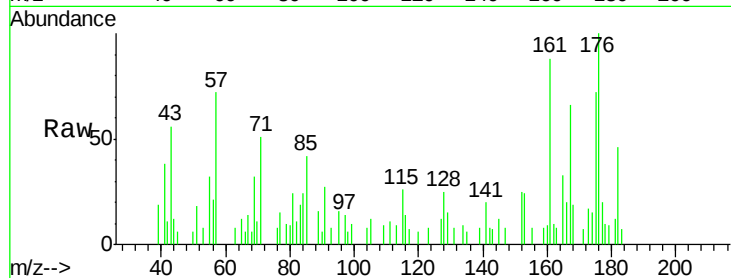




#56
2,4-Dinitrotoluene
Concen: 6.617 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

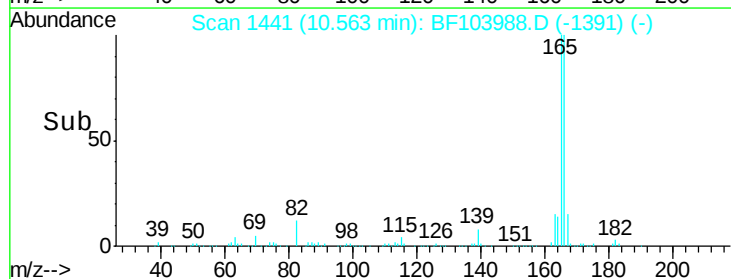
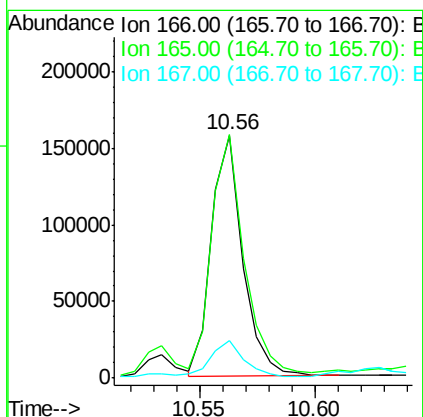
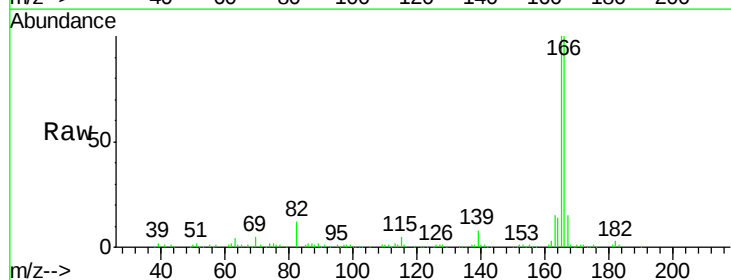
Instrument :
BNA_F
ClientSampleId :

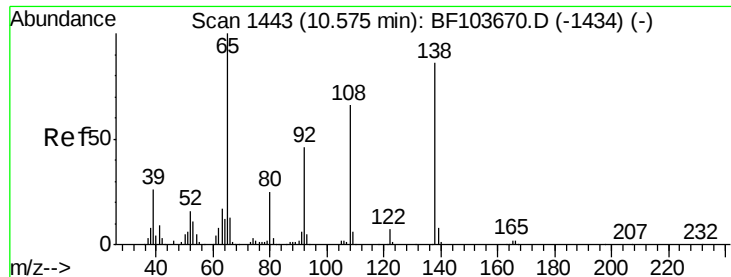
Tot Ion:165 Resp: 2098
Ion Ratio Lower Upper
165 100
63 25.0 36.4 54.6#
89 47.6 57.8 86.6#
182 137.7 1.6 2.4#



#57
Fluorene
Concen: 8.974 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:166 Resp: 147028
Ion Ratio Lower Upper
166 100
165 100.4 79.8 119.8
167 15.2 10.6 16.0

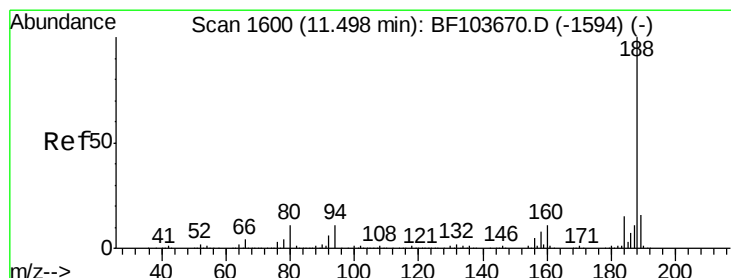
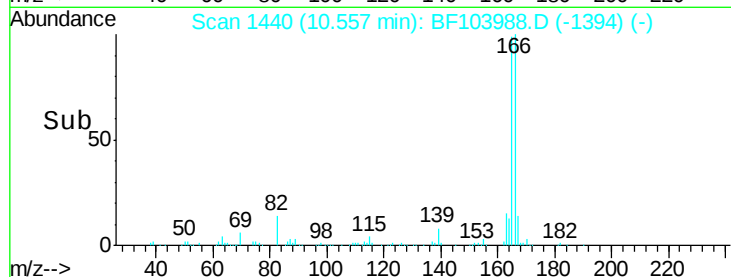
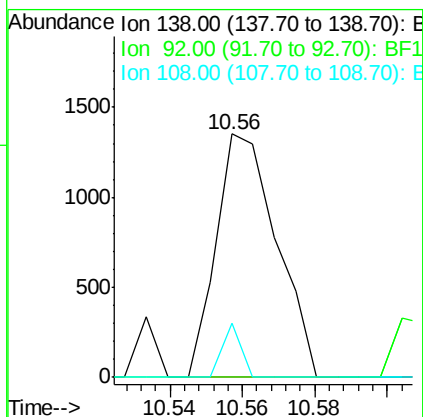
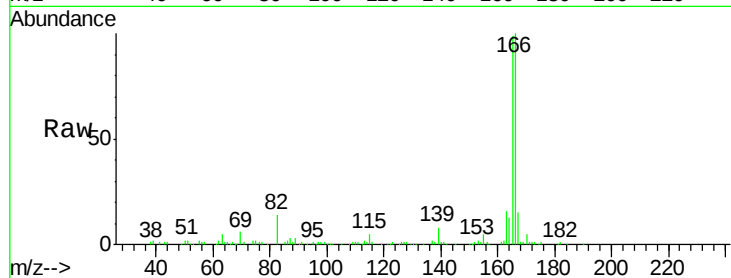




#61
4-Nitroaniline
Concen: 4.099 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

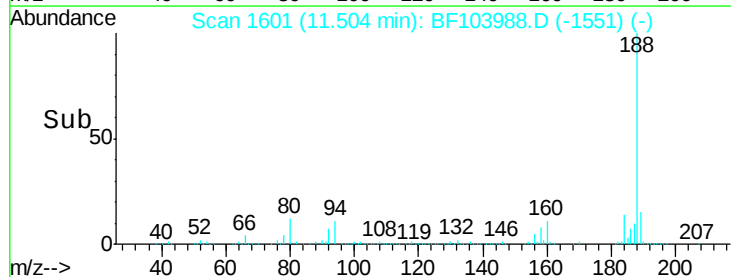
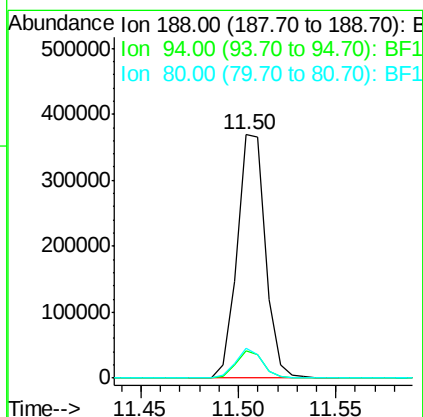
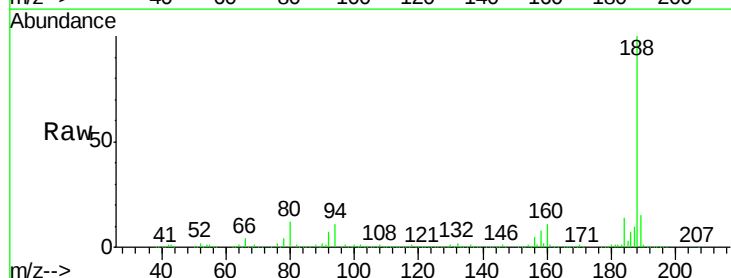
Instrument :
BNA_F
ClientSampleId :

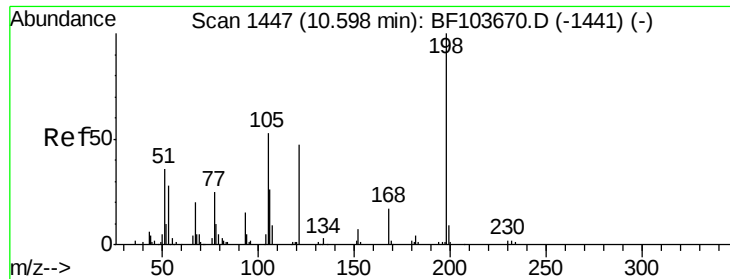
Tot Ion:138 Resp: 1563
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 22.2 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:188 Resp: 371423
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.3 9.2 13.8

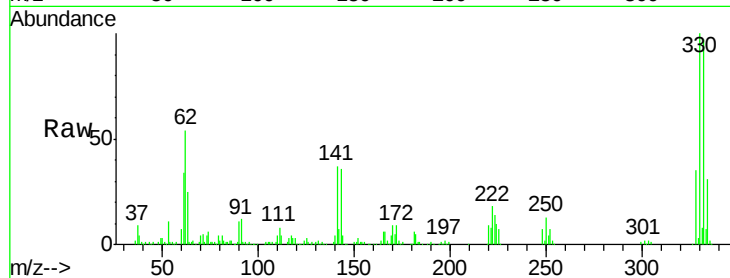




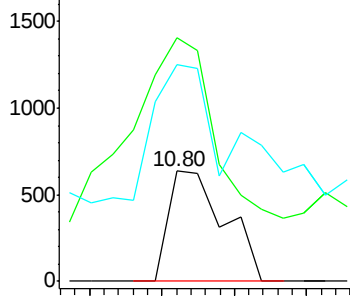
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.669 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

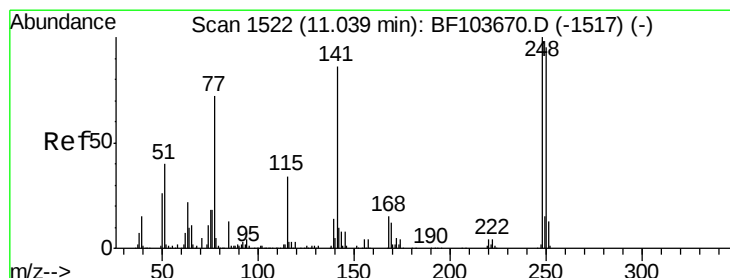
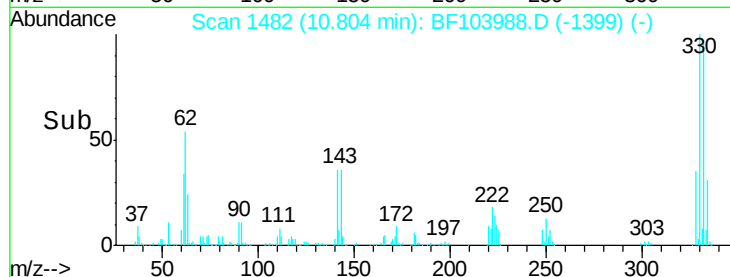
Tot Ion:198 Resp: 685
 Ion Ratio Lower Upper
 198 100
 51 221.4 37.7 77.7#
 105 197.2 36.3 76.3#



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

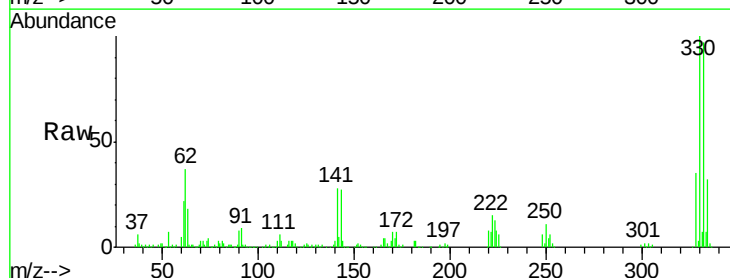


Time-->

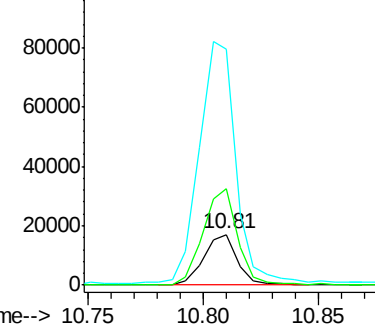


#66
 4-Bromophenyl-phenylether
 Concen: 4.530 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

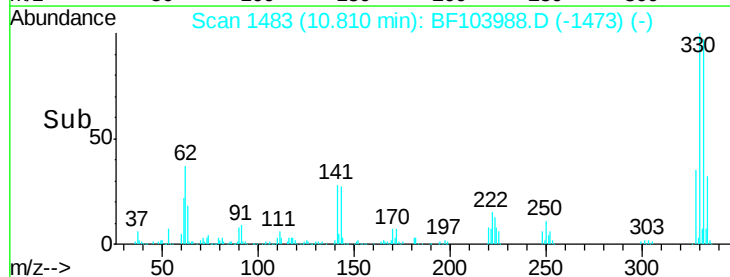
Tgt Ion:248 Resp: 17274
 Ion Ratio Lower Upper
 248 100
 250 191.3 76.9 115.3#
 141 467.9 74.4 111.6#

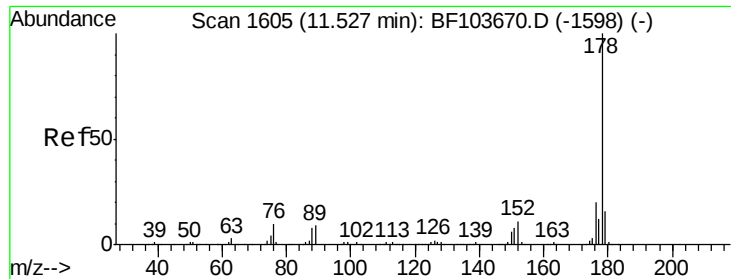


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

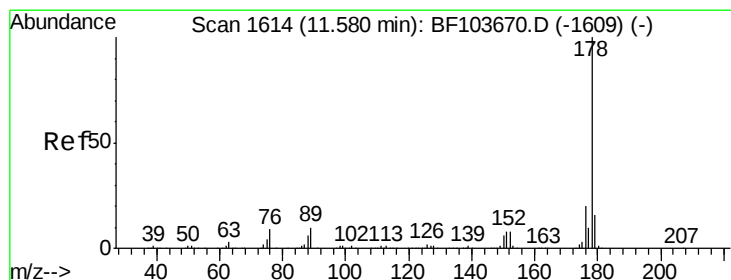
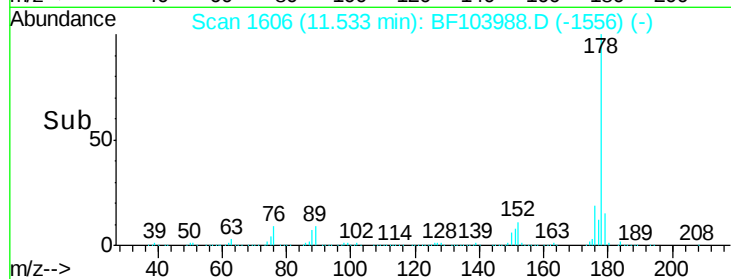
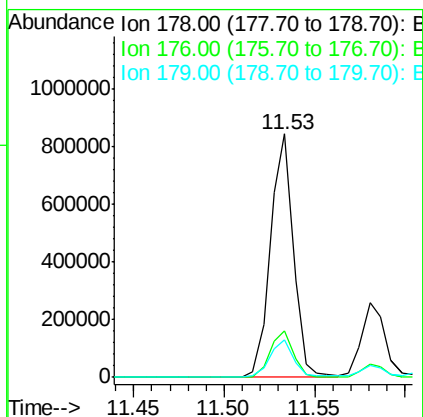
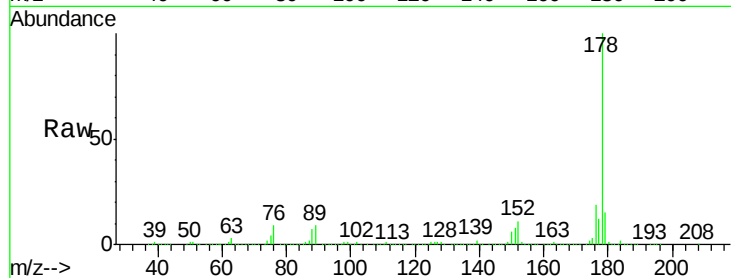




#70
Phenanthrene
Concen: 36.345 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

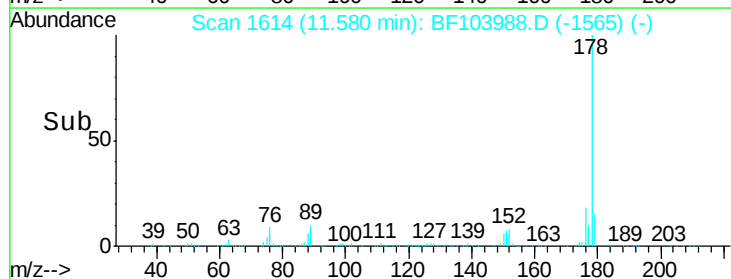
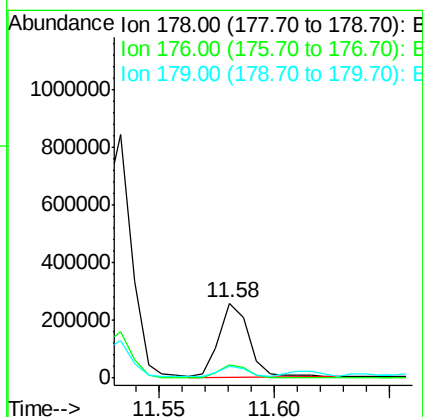
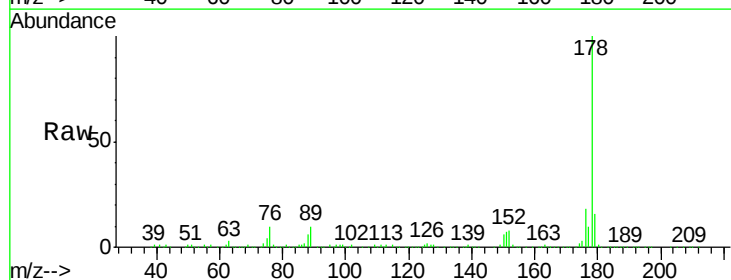
Instrument :
BNA_F
ClientSampleId :

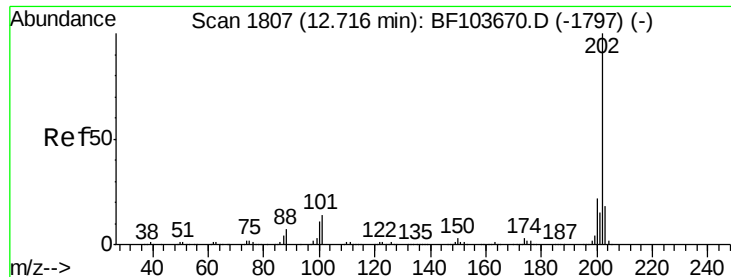
Tot Ion:178 Resp: 738455
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 11.511 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:178 Resp: 237540
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.6 12.6 19.0





#74

Fluoranthene

Concen: 32.454 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampled :

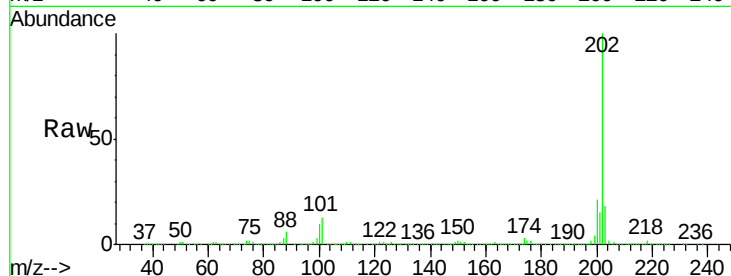
Tot Ion:202 Resp: 679328

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

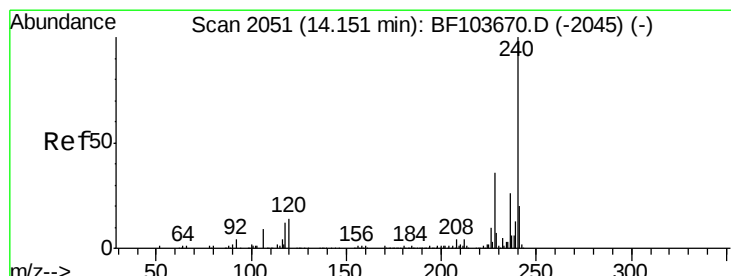
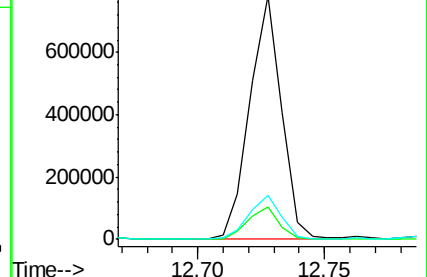
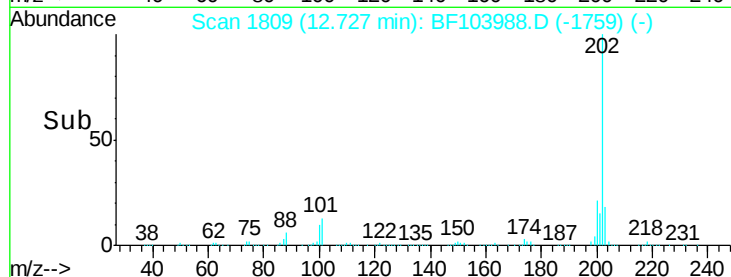
203 18.1 0.0 38.1



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: BF103988.D

Acq: 27 Mar 2018 23:25

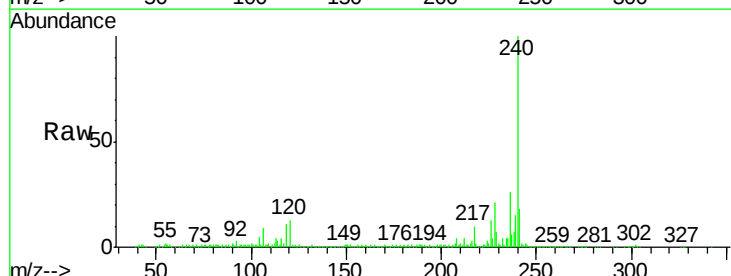
Tgt Ion:240 Resp: 261572

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

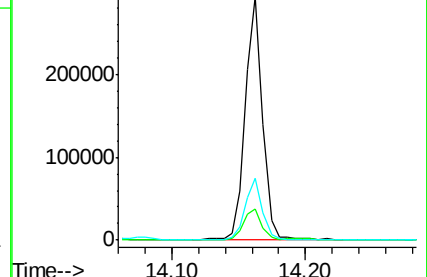
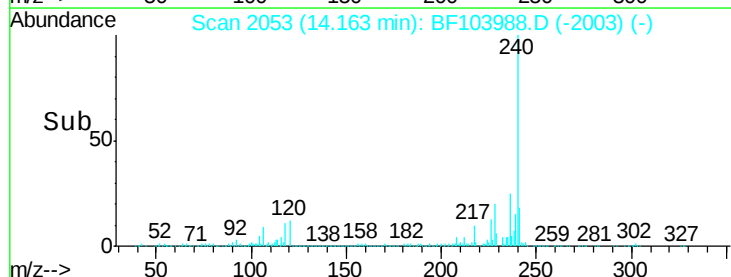
236 25.5 20.7 31.1

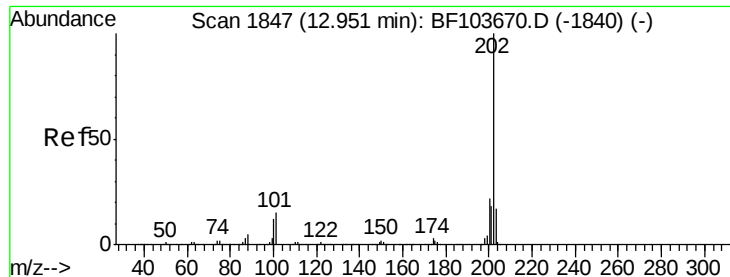


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

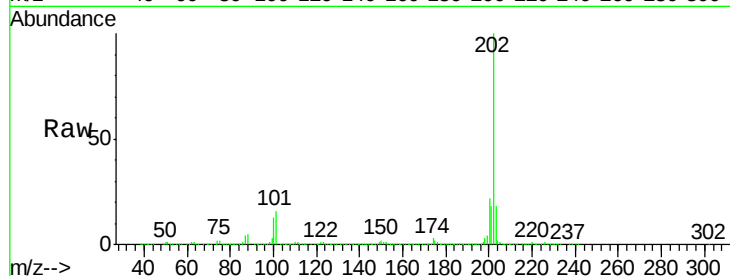




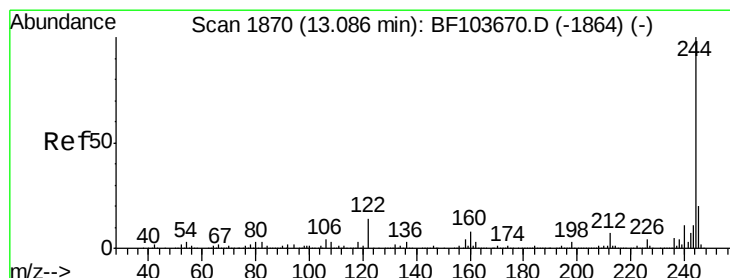
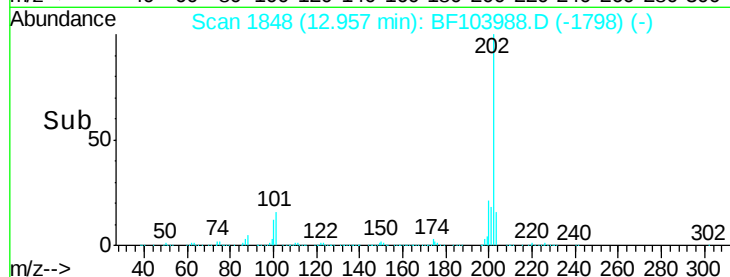
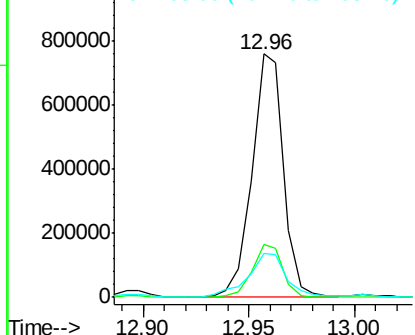
#77
Pvrene
Concen: 40.614 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 780172
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.9 14.3 21.5

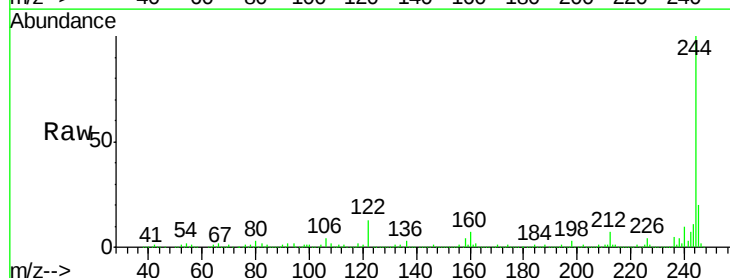


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

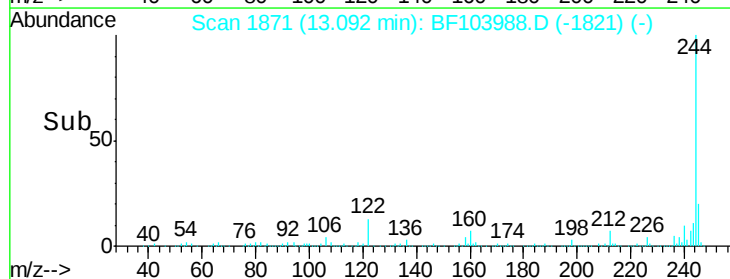
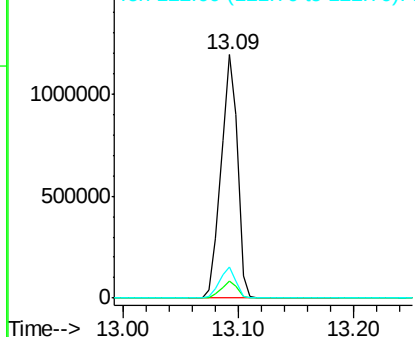


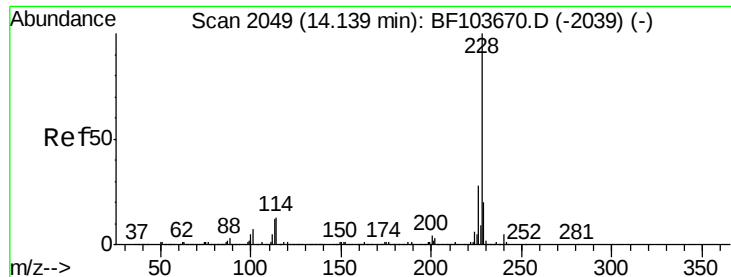
#78
Terphenyl-d14
Concen: 104.861 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103988.D
Acq: 27 Mar 2018 23:25

Tgt Ion:244 Resp: 1181684
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.5 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: 19.936 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.03 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampleId :

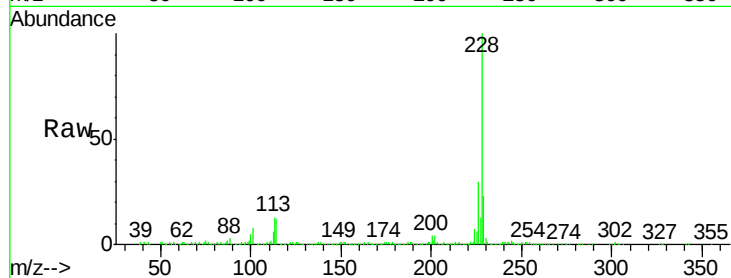
Tot Ion:228 Resp: 330086

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

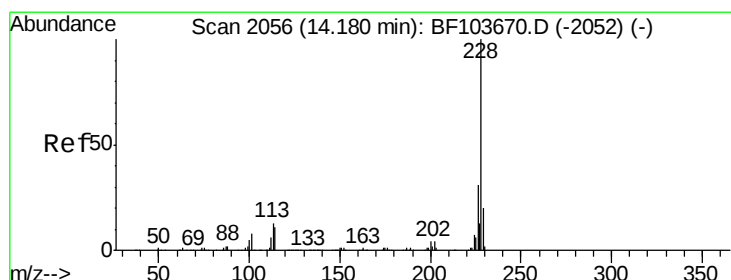
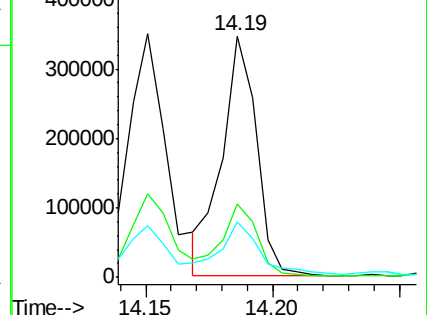
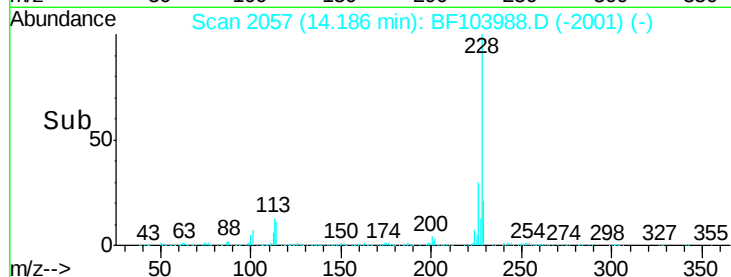
229 22.8 15.8 23.6



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: 20.913 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

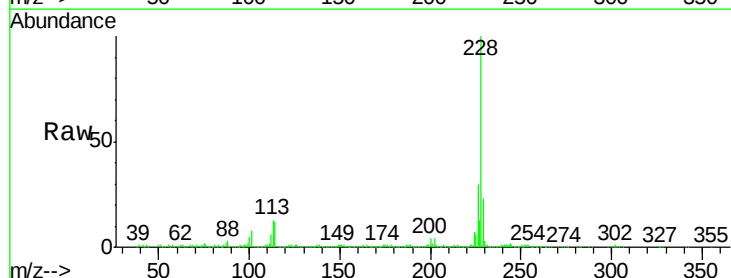
Tgt Ion:228 Resp: 330086

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

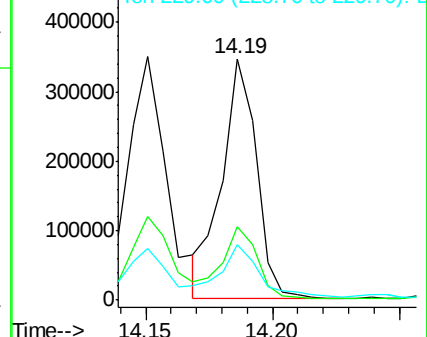
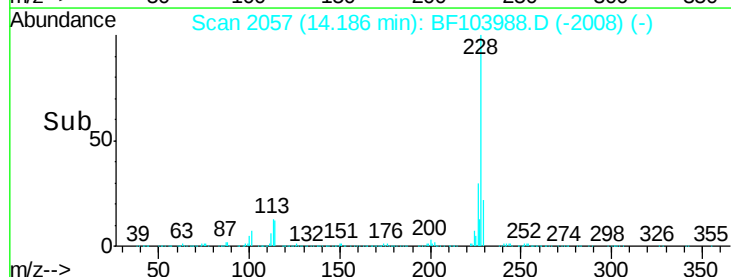
229 22.8 16.2 24.4

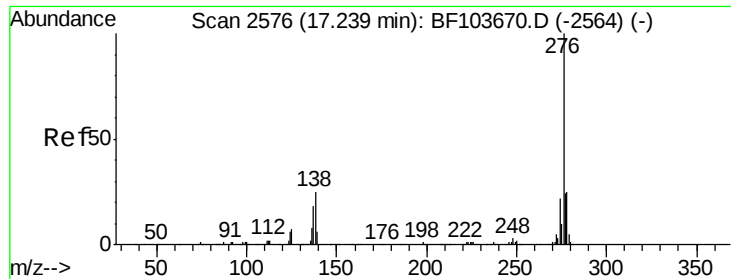


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

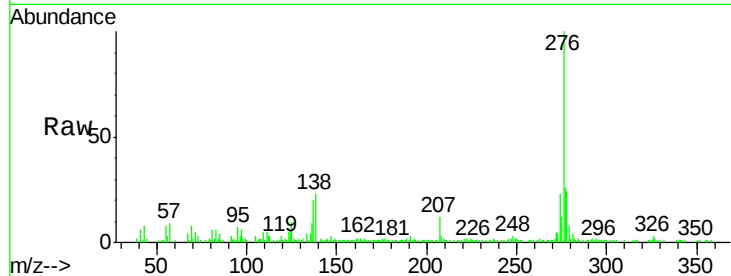




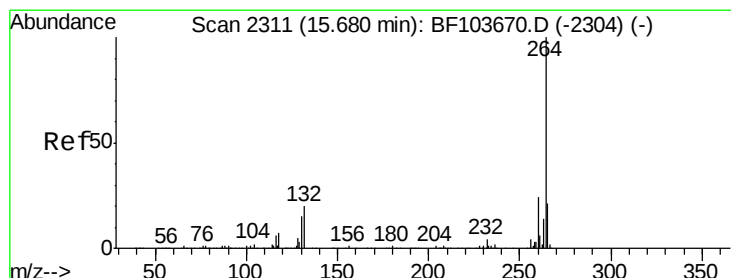
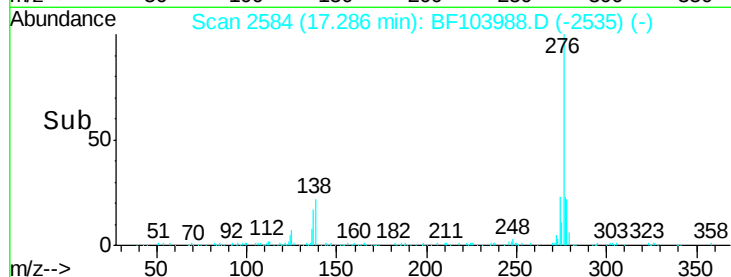
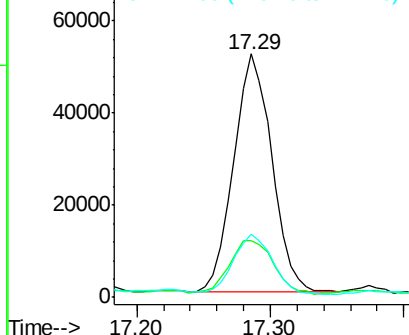
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.405 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.01 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	26.0	20.1	30.1

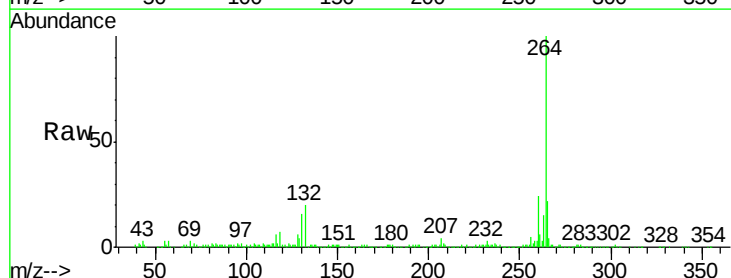


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

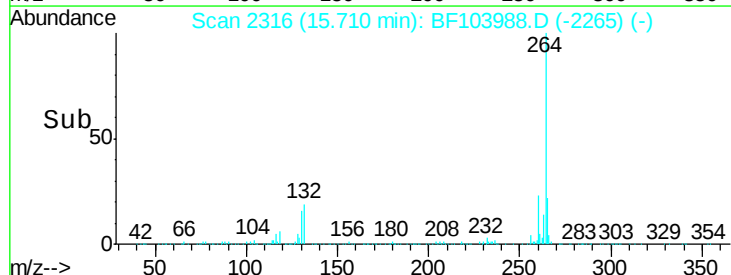
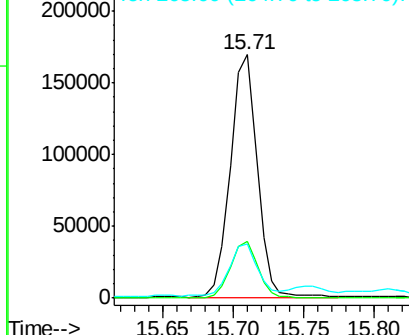


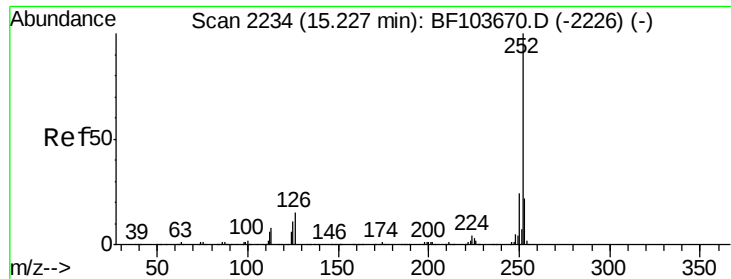
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2316
 Delta R.T. 0.00 min
 Lab File: BF103988.D
 Acq: 27 Mar 2018 23:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	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: 26.248 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampleId :

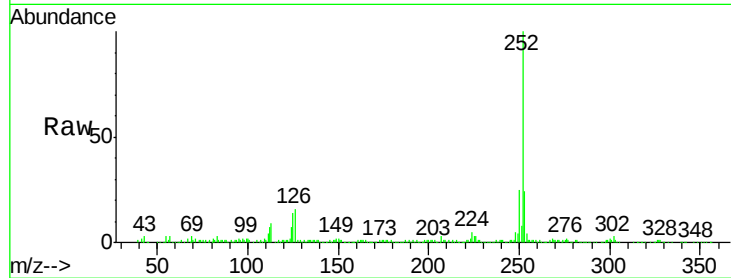
Tot Ion:252 Resp: 374615

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

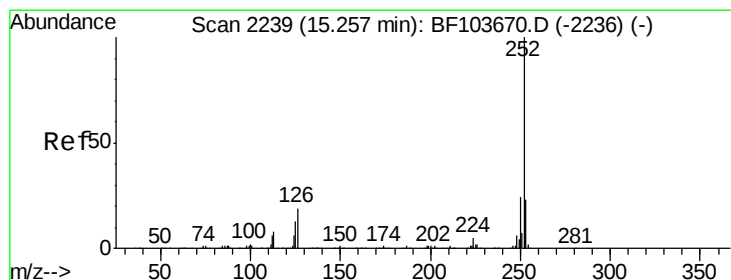
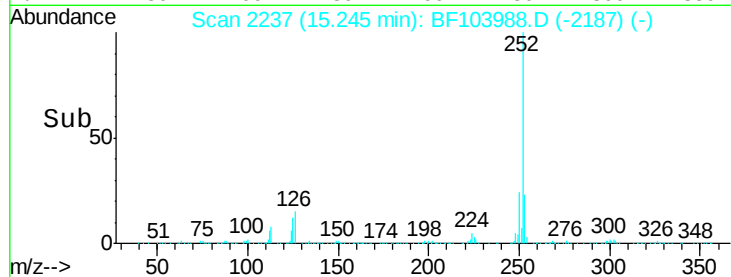
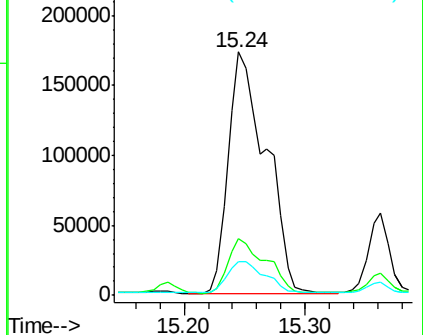
125 13.6 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 27.306 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.04 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

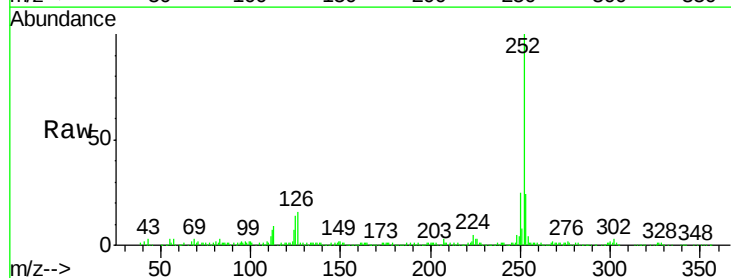
Tgt Ion:252 Resp: 374615

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

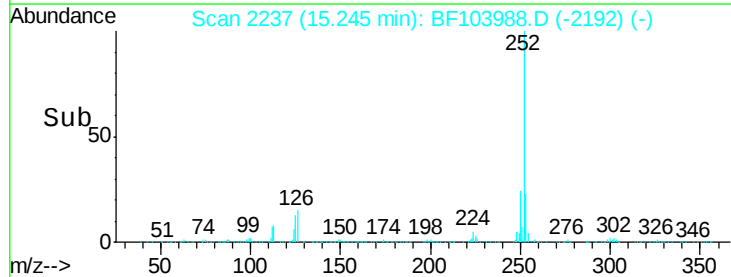
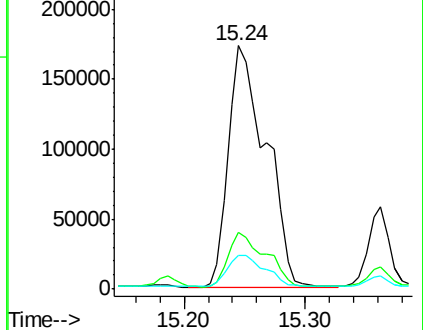
125 13.6 10.2 15.2

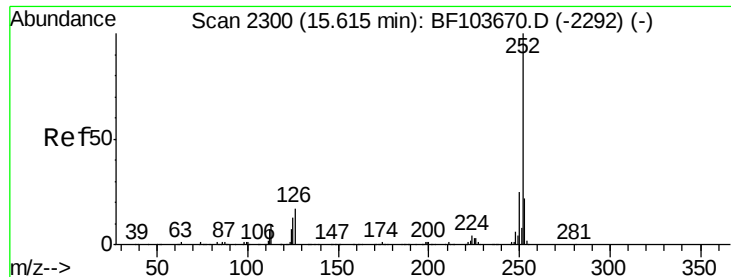


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.295 ng

RT: 15.64 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampled :

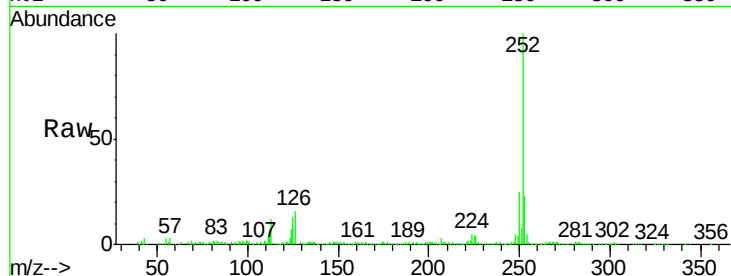
Tot Ion:252 Resp: 249766

Ion Ratio Lower Upper

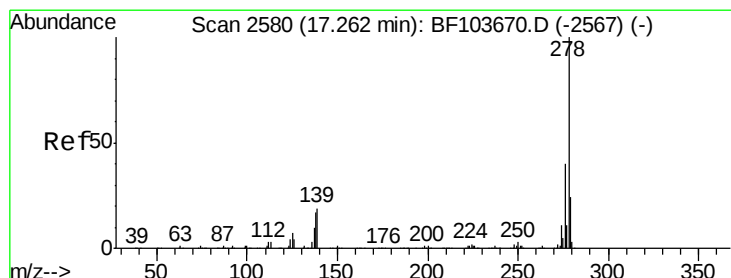
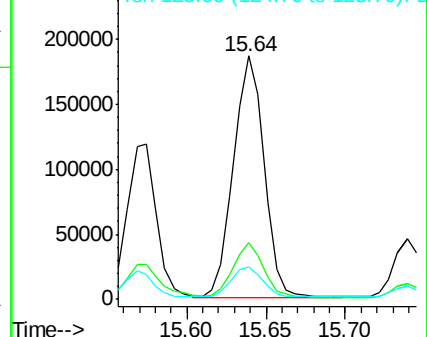
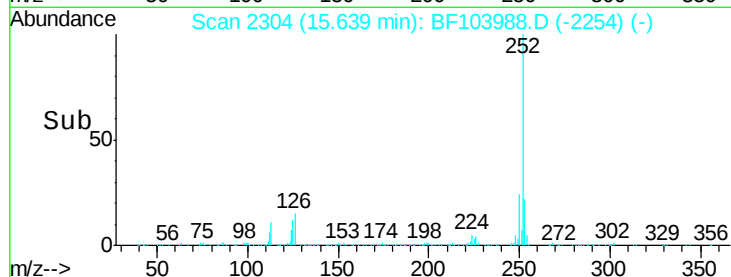
252 100

253 23.3 17.1 25.7

125 13.2 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.420 ng

RT: 17.48 min Scan# 2617

Delta R.T. 0.16 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

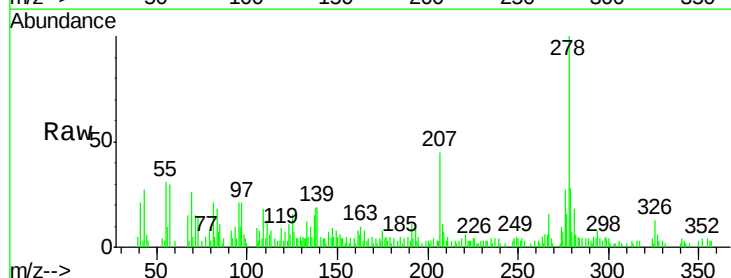
Tgt Ion:278 Resp: 27121

Ion Ratio Lower Upper

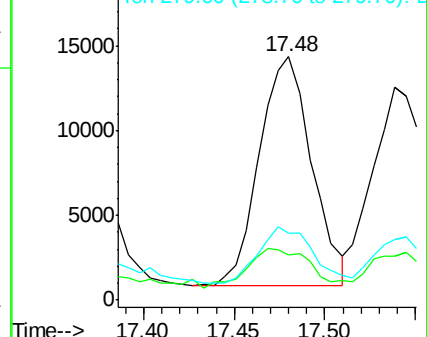
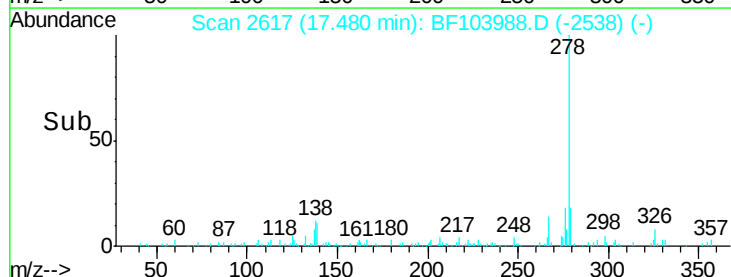
278 100

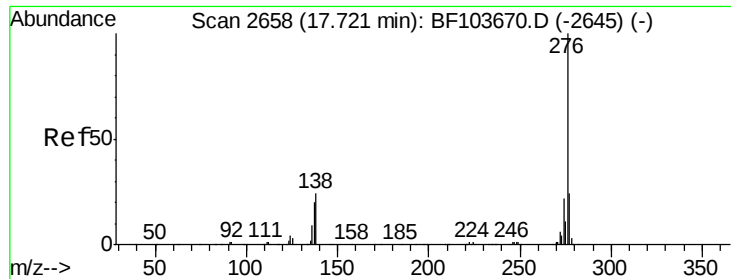
139 18.7 15.9 23.9

279 27.6 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 9.464 ng

RT: 17.77 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BF103988.D

Acq: 27 Mar 2018 23:25

Instrument :

BNA_F

ClientSampleId :

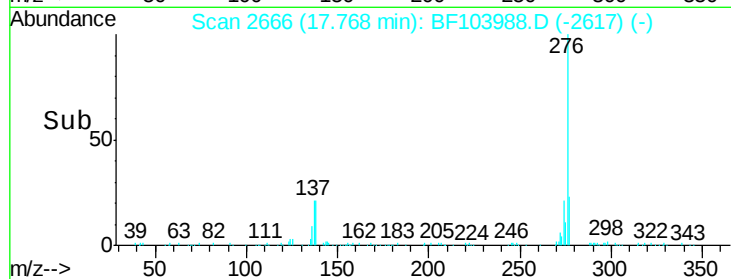
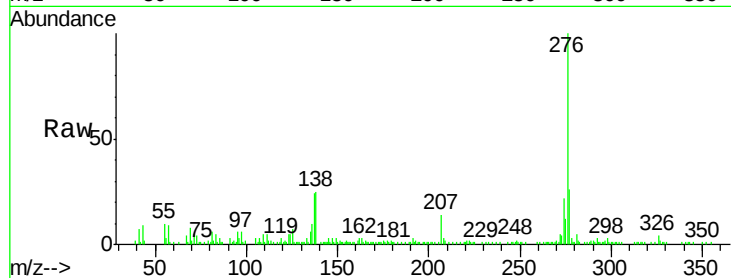
Tot Ion:276 Resp: 103199

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 24.7 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

