

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022018\
 Data File : BF103114.D
 Acq On : 20 Feb 2018 10:08
 Operator : SJ/JU
 Sample : J1600-08DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 13:16:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167437	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	701148	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	314374	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	535228	20.00	ng	0.00
75) Chrysene-d12	14.05	240	291771	20.00	ng	0.00
86) Perylene-d12	15.54	264	325130	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	575014	52.15	ng	0.00
7) Phenol-d6	6.50	99	695044	52.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	427155	42.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	140116	55.37	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	649783	34.30	ng	-0.01
78) Terphenyl-d14	12.99	244	509571	41.35	ng	0.00

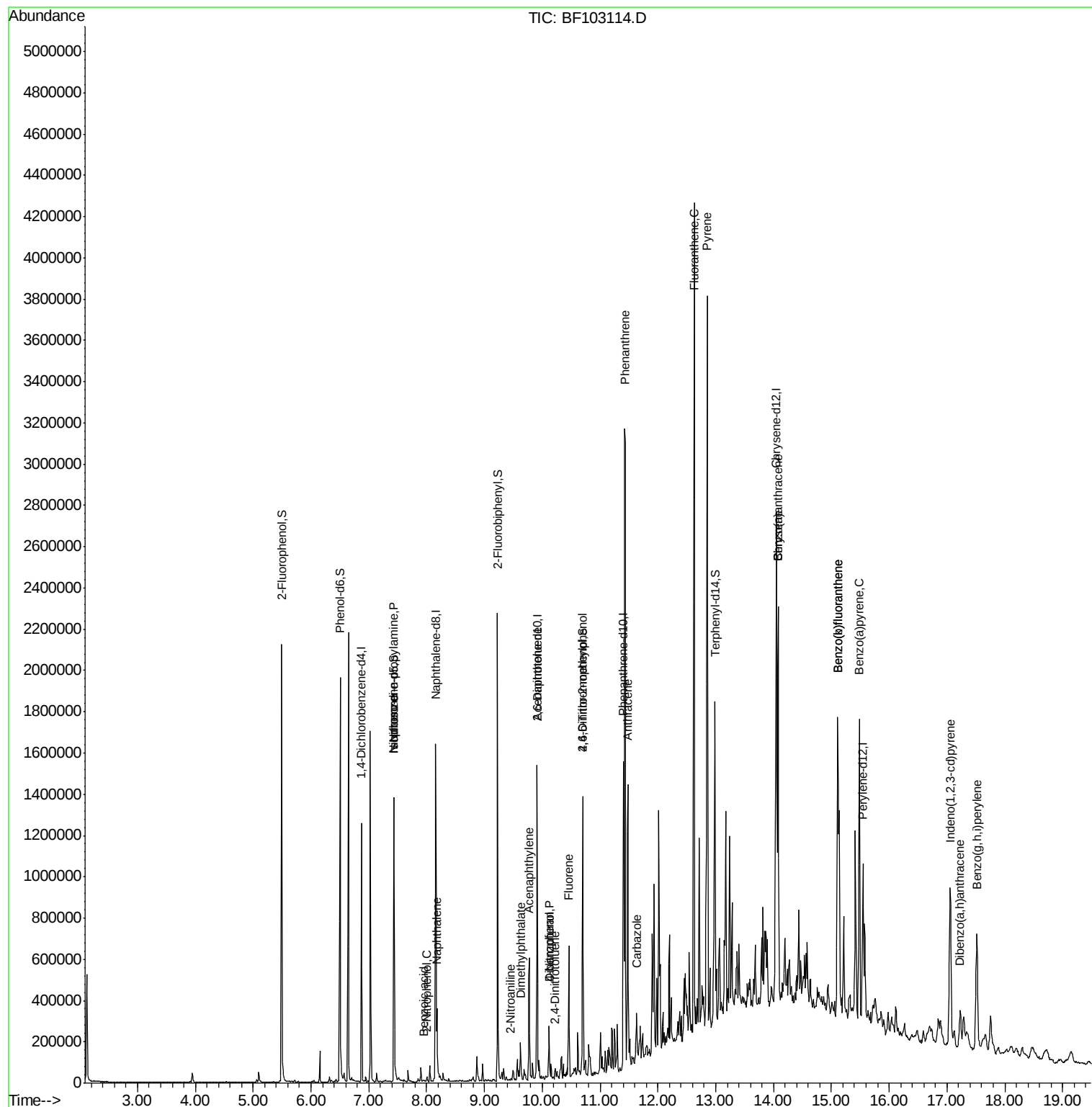
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	55929	6.390	ng	# 81
25) Isophorone	7.43	82	427148	18.353	ng	# 64
26) 2-Nitrophenol	8.00	139	252	8.709	ng	# 30
31) Naphthalene	8.18	128	140715	4.108	ng	97
32) Benzoic acid	7.95	122	387	8.597	ng	# 37
47) 2-Nitroaniline	9.46	65	253	3.509	ng	# 12
48) Acenaphthylene	9.77	152	250444	7.735	ng	99
49) Dimethylphthalate	9.62	163	59541	2.429	ng	# 99
50) 2,6-Dinitrotoluene	9.91	165	42823	9.183	ng	# 26
54) Dibenzofuran	10.12	168	84228	3.087	ng	97
55) 4-Nitrophenol	10.12	139	33603	10.791	ng	# 11
56) 2,4-Dinitrotoluene	10.22	165	1828	3.349	ng	# 32
57) Fluorene	10.46	166	186701	9.404	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	300	8.917	ng	# 12
70) Phenanthrene	11.43	178	1252317	42.012	ng	99
71) Anthracene	11.48	178	490786	16.188	ng	99
72) Carbazole	11.63	167	77885	2.622	ng	98
74) Fluoranthene	12.63	202	1972746	65.778	ng	100
77) Pvrene	12.86	202	1623841	70.974	ng	100
80) Benzo(a)anthracene	14.08	228	721214	39.304	ng	94
82) Chrysene	14.08	228	721214	38.990	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	485836	31.668	ng	96
87) Benzo(b)fluoranthene	15.11	252	1282634	60.848	ng	# 94
88) Benzo(k)fluoranthene	15.11	252	1282634	63.682	ng	97
89) Benzo(a)pyrene	15.49	252	702784	37.039	ng	97
90) Dibenzo(a,h)anthracene	17.23	278	121423	7.884	ng	95
91) Benzo(g,h,i)perylene	17.52	276	460741	30.565	ng	97

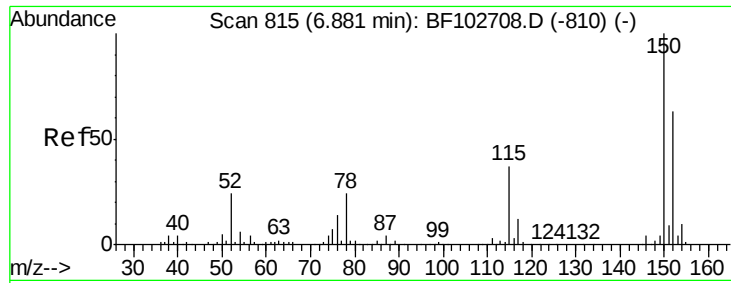
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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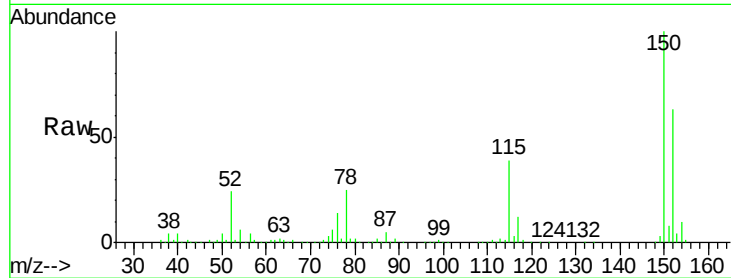




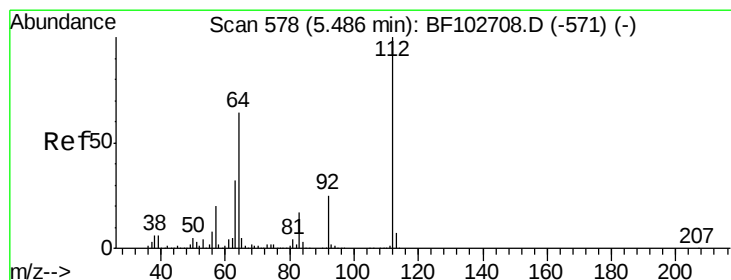
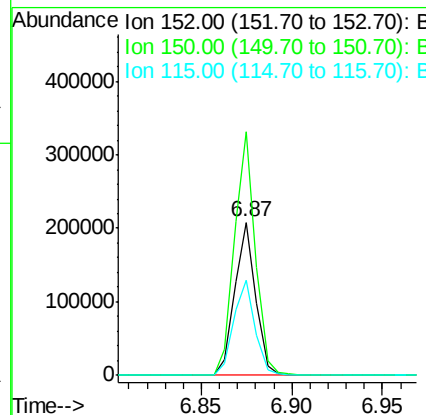
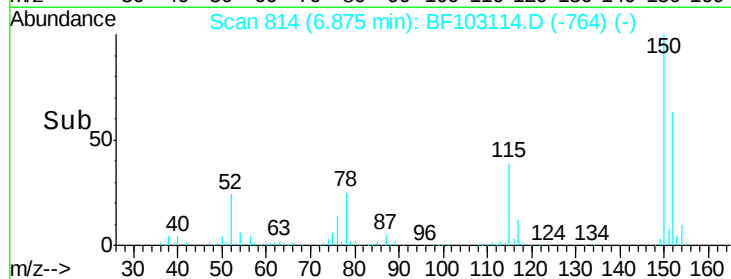
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 167437
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.6 186.8
 115 61.8 50.1 75.1

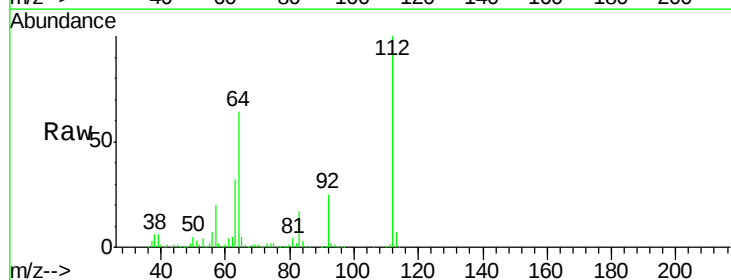


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

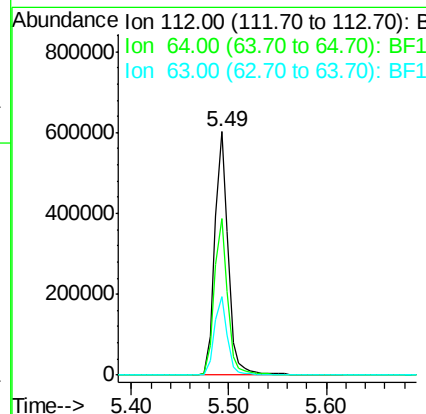
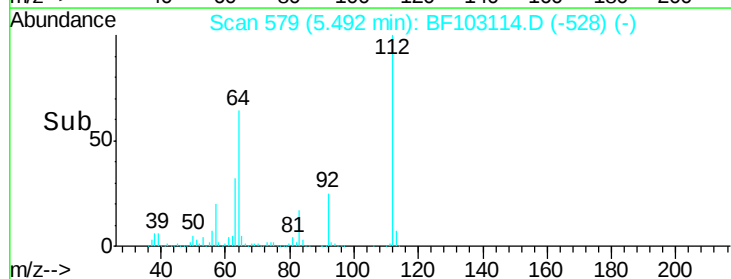


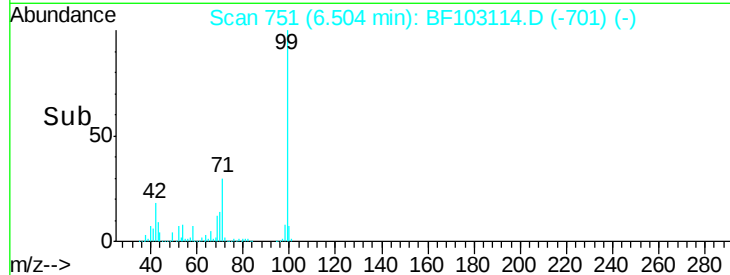
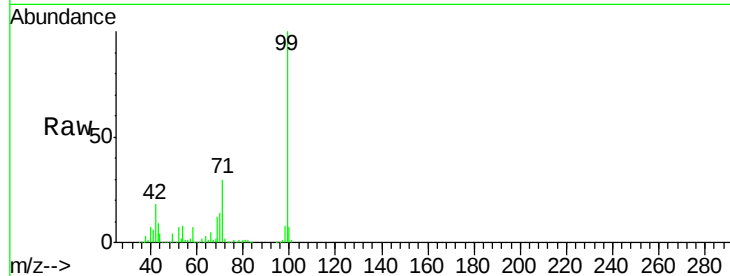
#5
 2-Fluorophenol
 Concen: 52.154 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion:112 Resp: 575014
 Ion Ratio Lower Upper
 112 100
 64 64.4 47.9 71.9
 63 32.1 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: 52.357 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampleId :

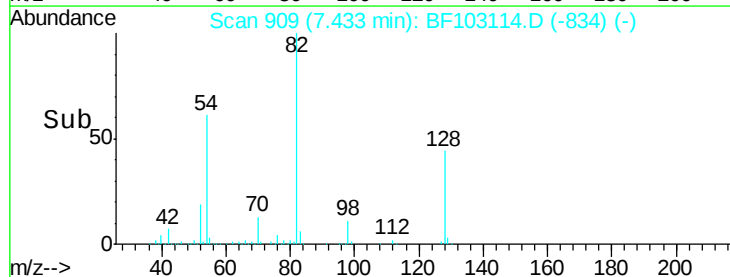
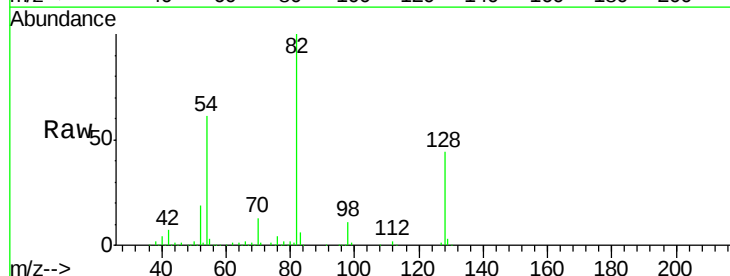
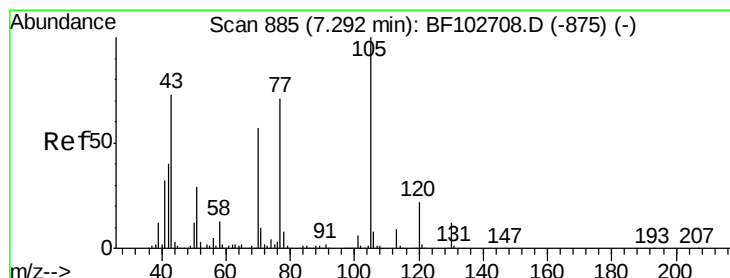
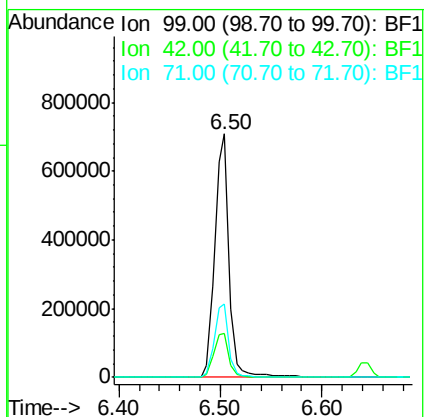
Tot Ion: 99 Resp: 695044

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 30.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.390 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Tgt Ion: 70 Resp: 55929

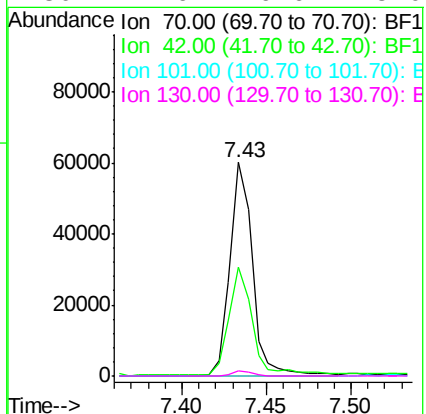
Ion Ratio Lower Upper

70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 701148

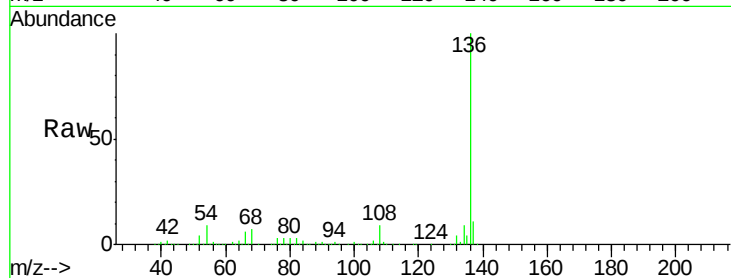
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.3 6.6 9.8

68 6.6 5.0 7.4

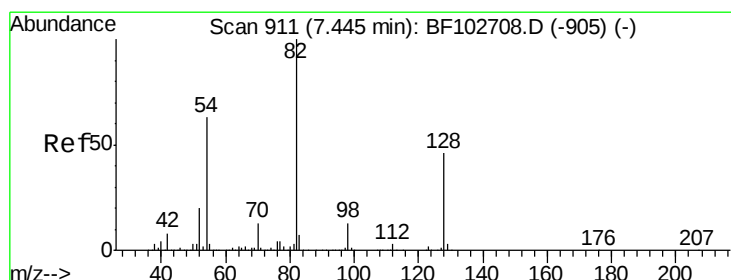
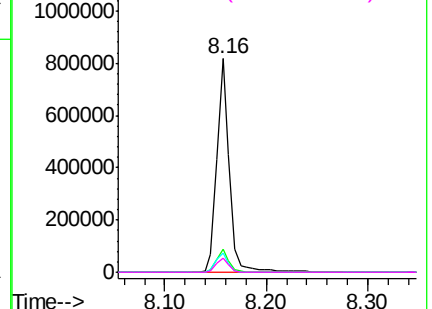
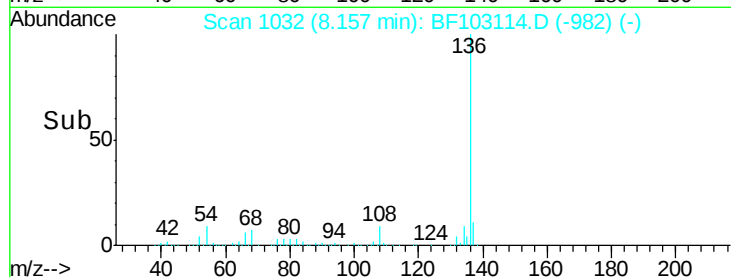


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.262 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

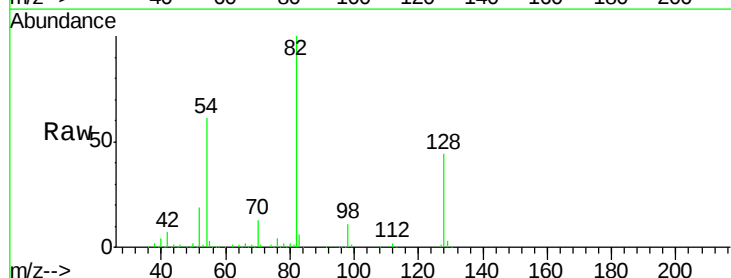
Tgt Ion: 82 Resp: 427155

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

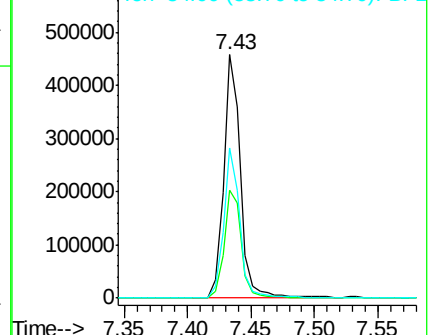
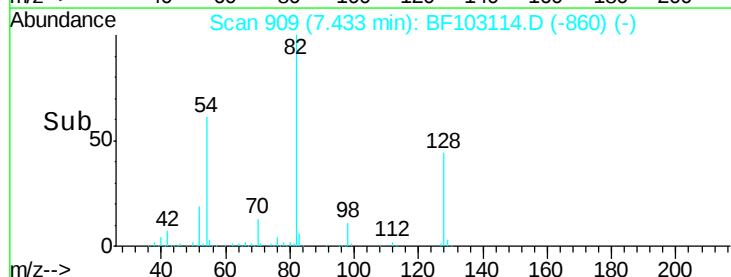
54 61.4 41.4 62.2



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: 18.353 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampled :

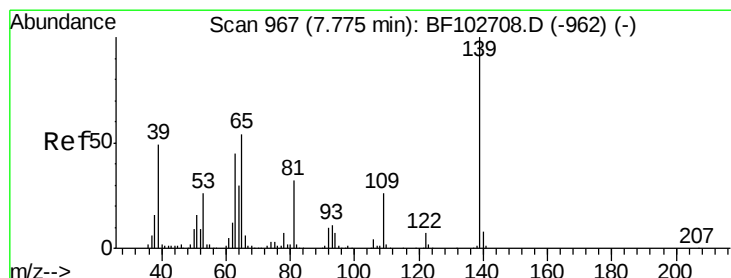
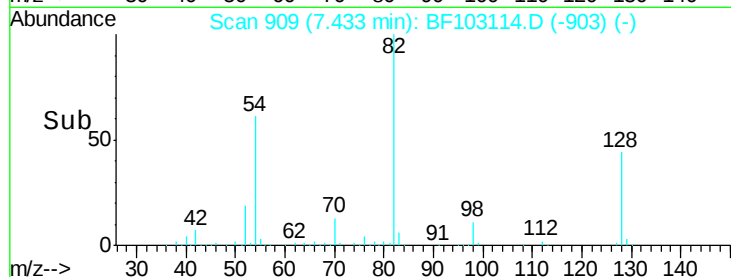
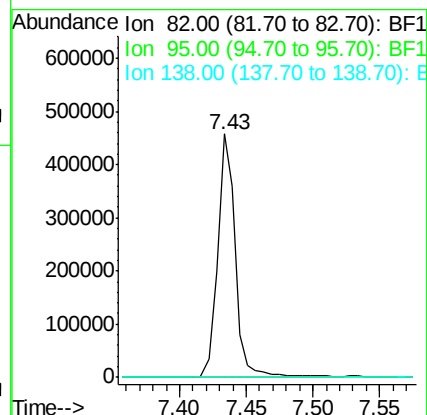
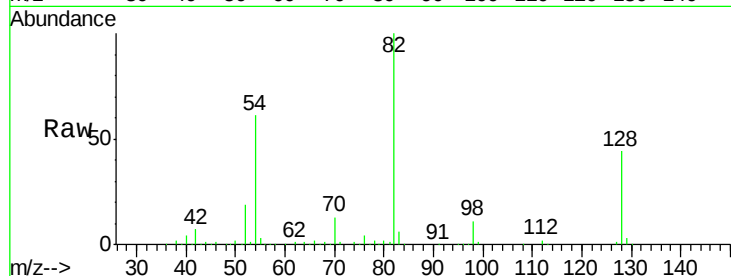
Tot Ion: 82 Resp: 427148

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#26

2-Nitrophenol

Concen: 8.709 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.22 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

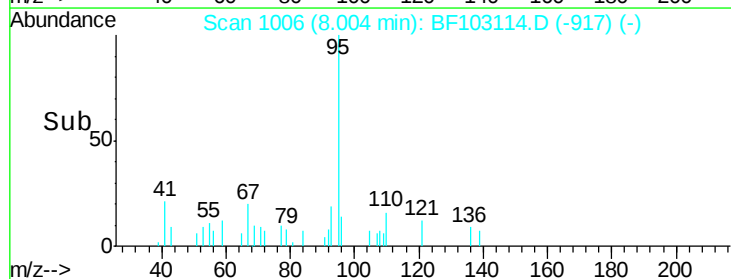
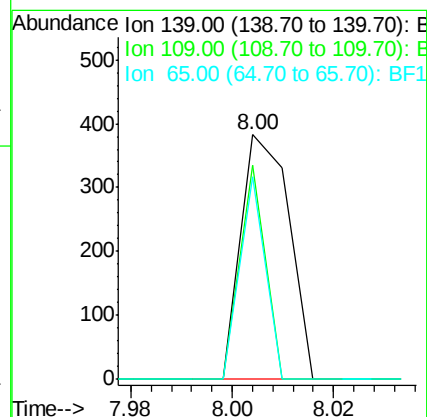
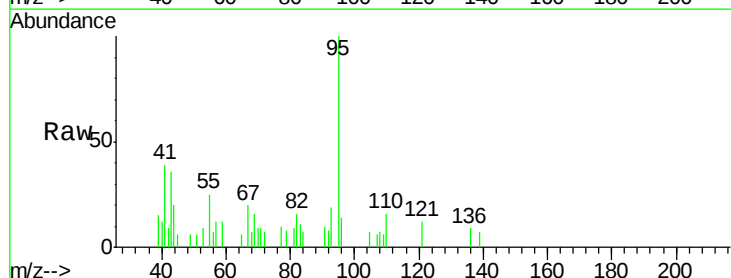
Tgt Ion: 139 Resp: 252

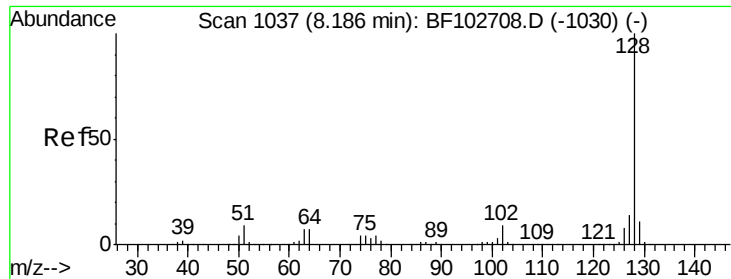
Ion Ratio Lower Upper

139 100

109 87.2 22.7 34.1#

65 82.8 40.5 60.7#

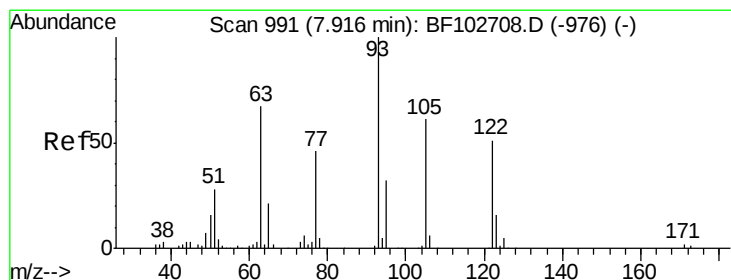
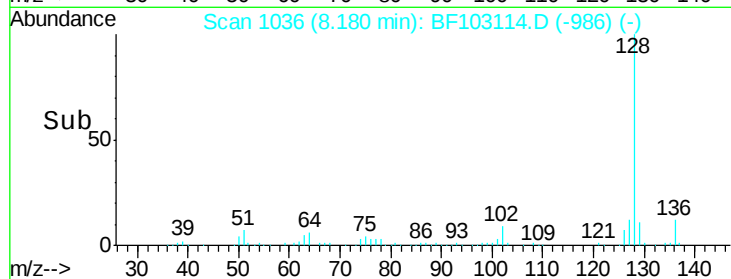
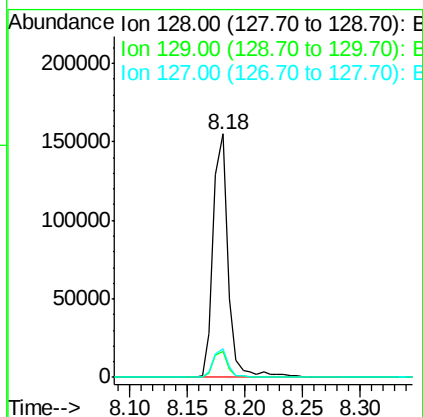
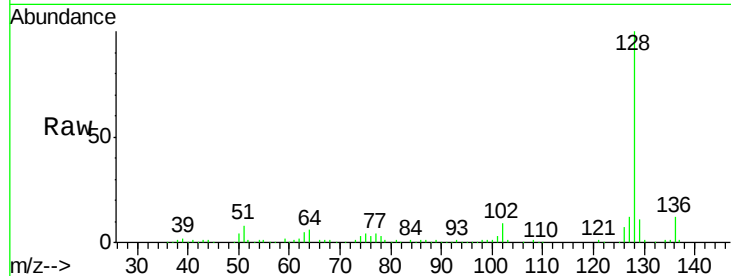




#31
Naphthalene
Concen: 4.108 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

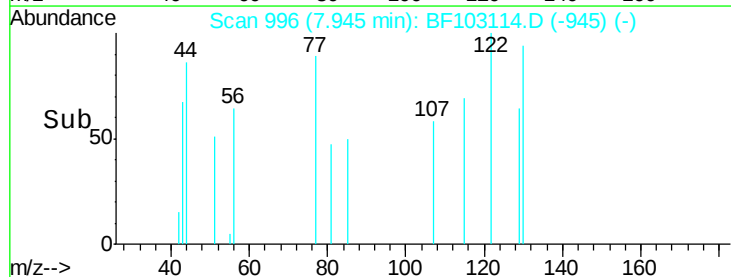
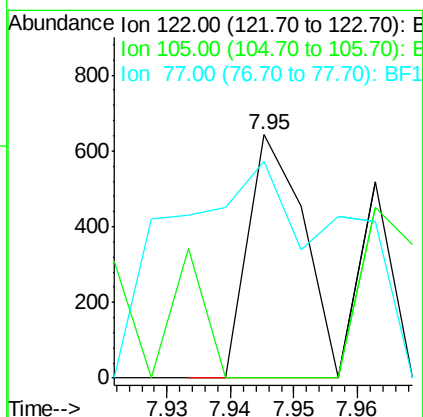
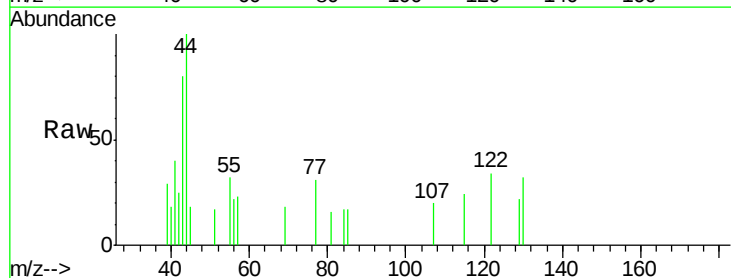
Instrument :
BNA_F
ClientSampled :

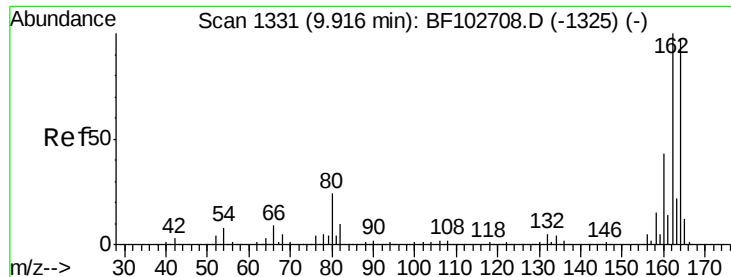
Tot Ion:128 Resp: 140715
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 11.5 10.9 16.3



#32
Benzoic acid
Concen: 8.597 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Tgt Ion:122 Resp: 387
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 89.3 70.7 110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampleId :

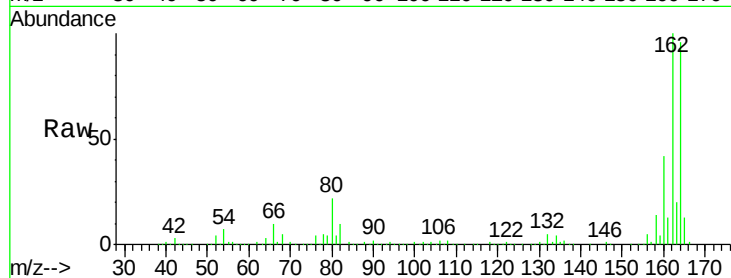
Tot Ion:164 Resp: 314374

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

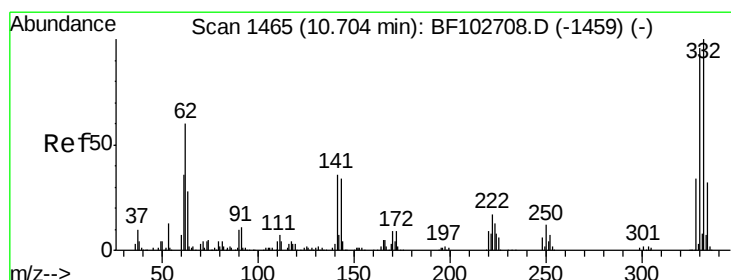
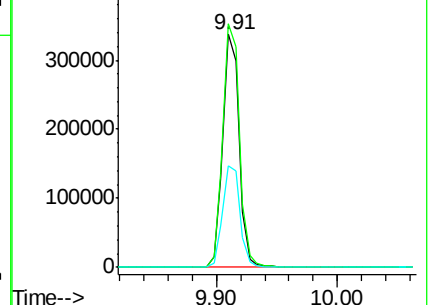
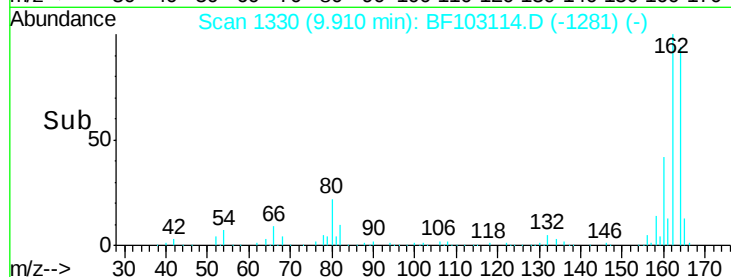
160 43.8 38.3 57.5



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: 55.374 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

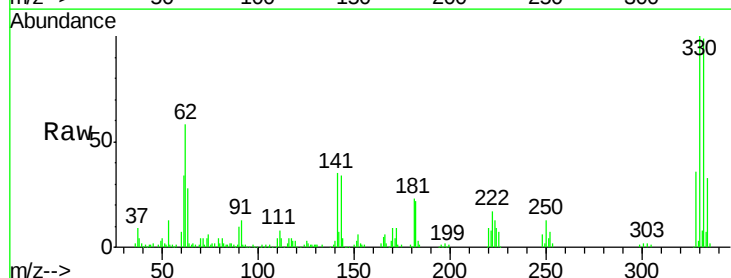
Tgt Ion:330 Resp: 140116

Ion Ratio Lower Upper

330 100

332 102.8 77.0 115.6

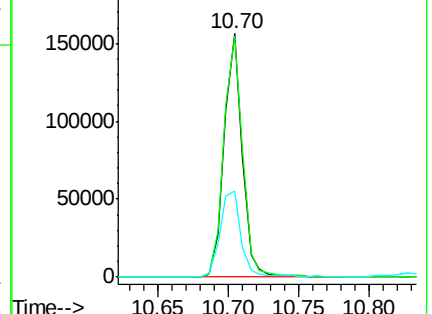
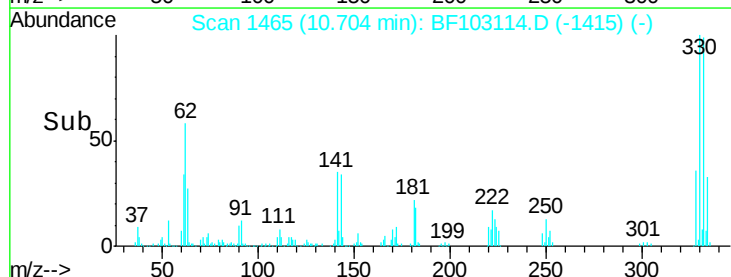
141 42.3 29.9 44.9

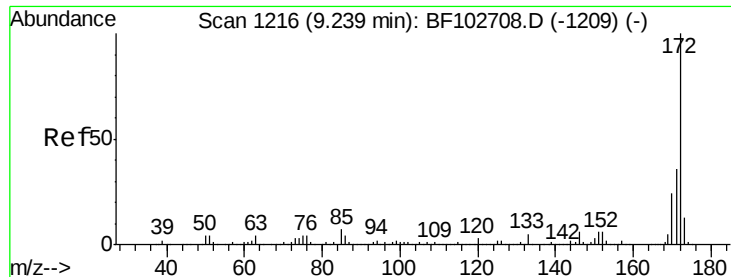


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

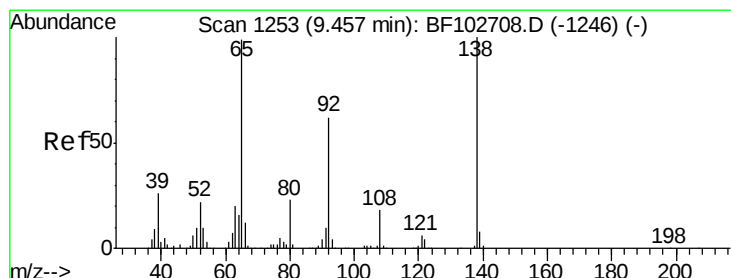
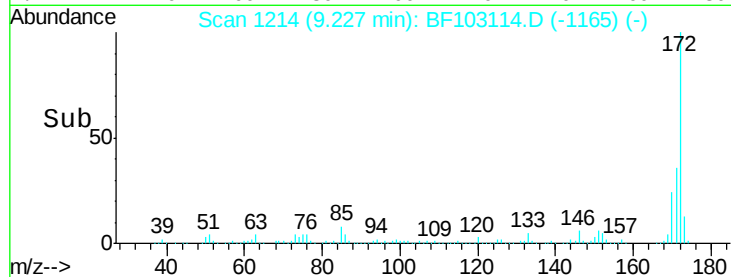
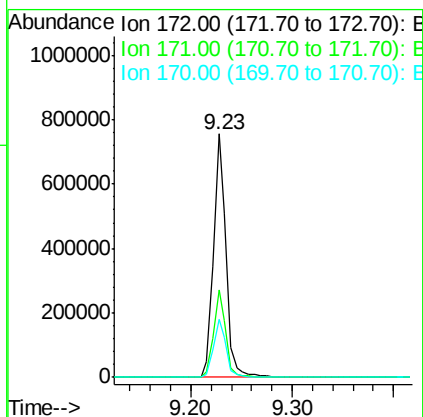
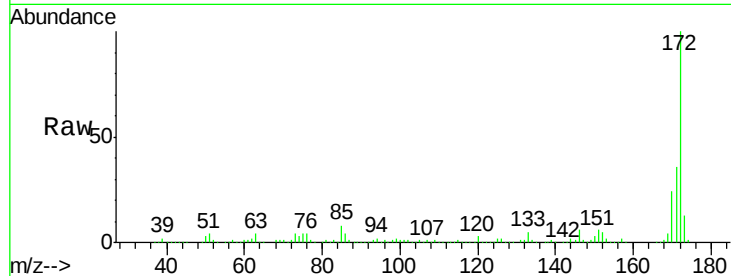




#44
 2-Fluorobiphenyl
 Concen: 34.297 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

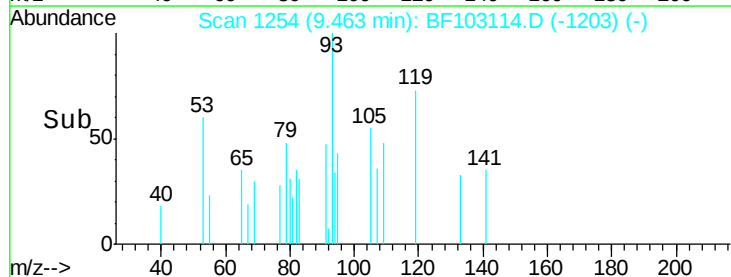
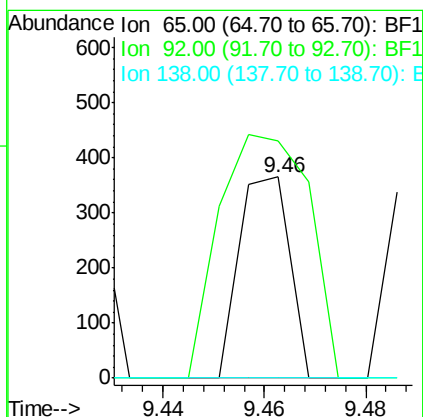
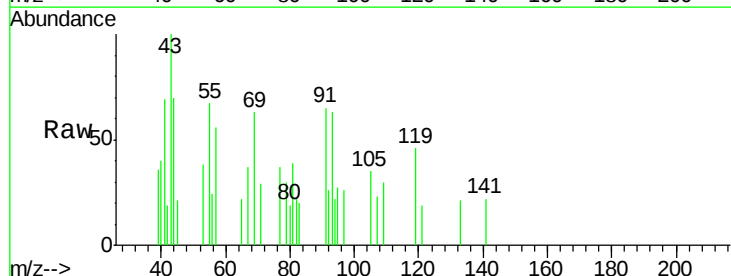
Instrument :
 BNA_F
 ClientSampled :

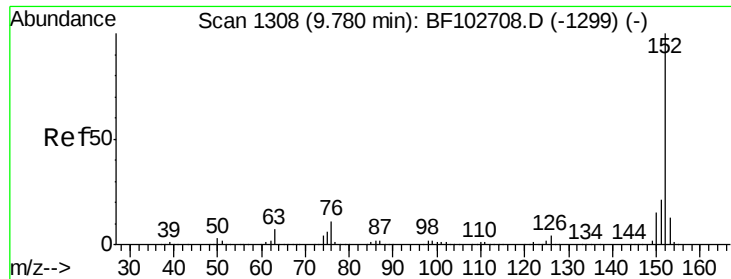
Tot Ion:172 Resp: 649783
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.509 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion: 65 Resp: 253
 Ion Ratio Lower Upper
 65 100
 92 118.4 55.8 83.6#
 138 0.0 91.2 136.8#

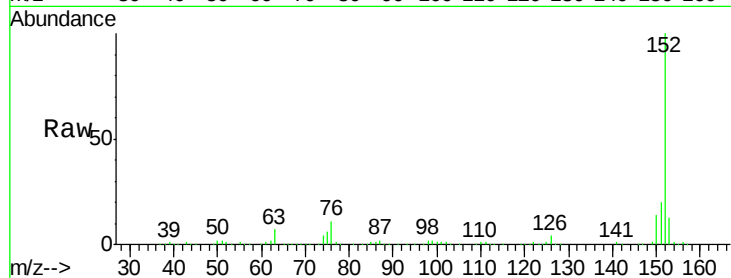




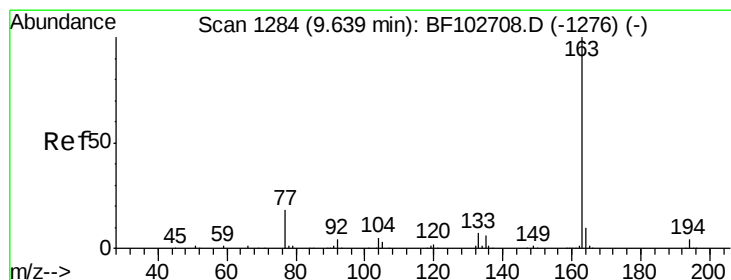
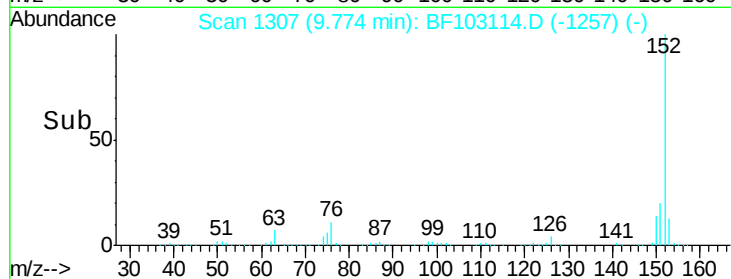
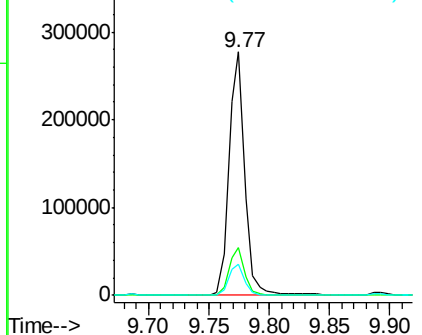
#48
Acenaphthylene
Concen: 7.735 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 250444
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 13.0 10.7 16.1

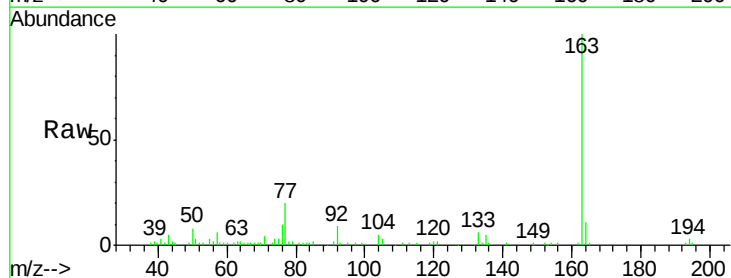


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

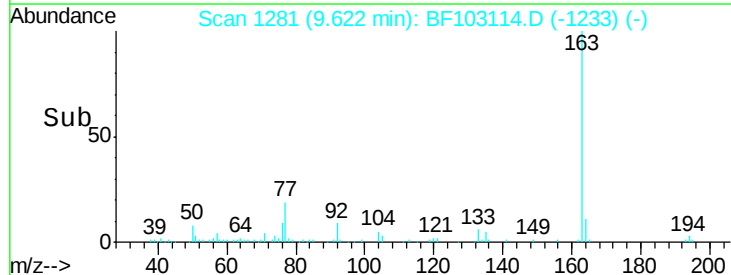
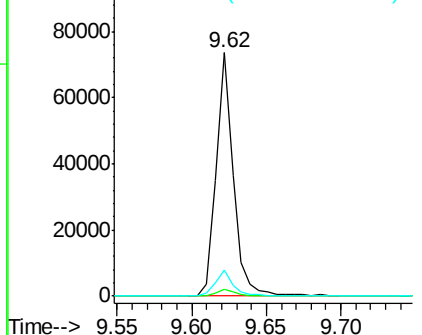


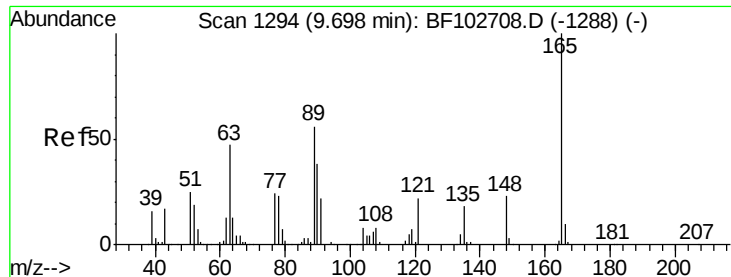
#49
Dimethylphthalate
Concen: 2.429 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Tgt Ion:163 Resp: 59541
Ion Ratio Lower Upper
163 100
194 2.7 2.7 4.1#
164 10.6 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

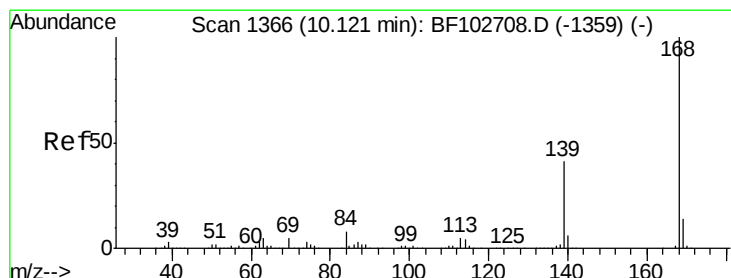
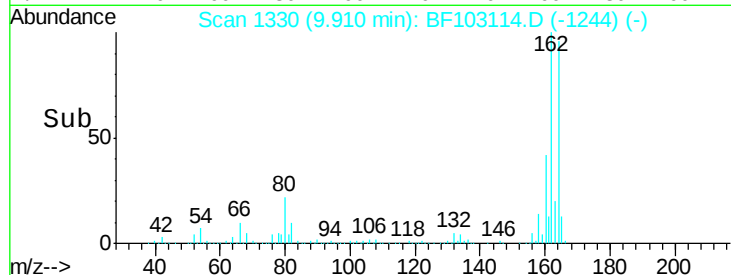
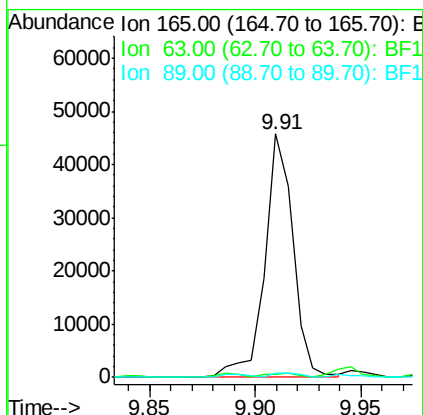
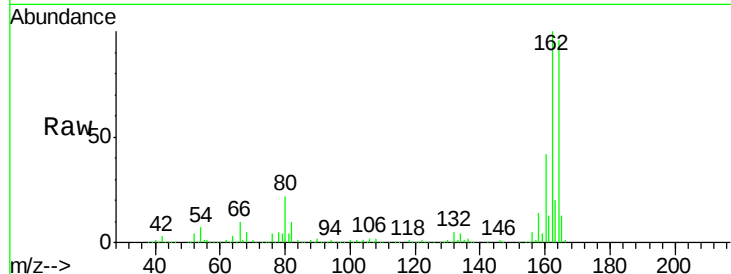




#50
 2,6-Dinitrotoluene
 Concen: 9.183 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

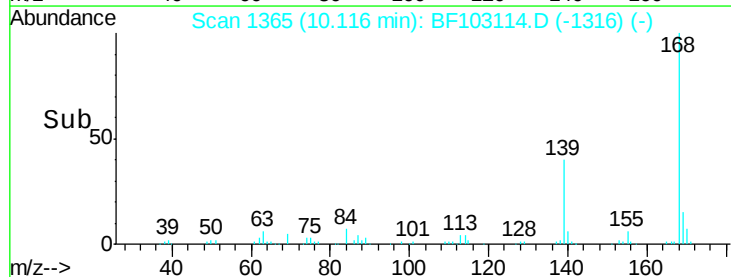
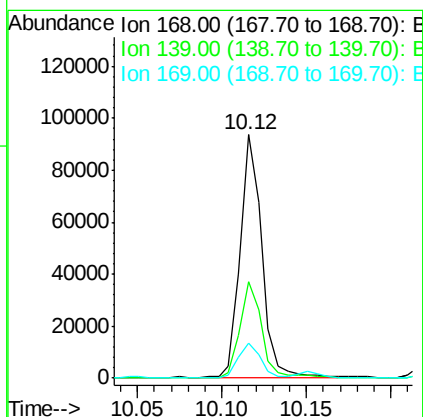
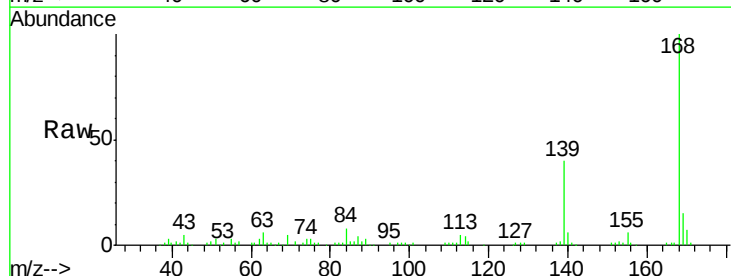
Instrument :
 BNA_F
 ClientSampleId :

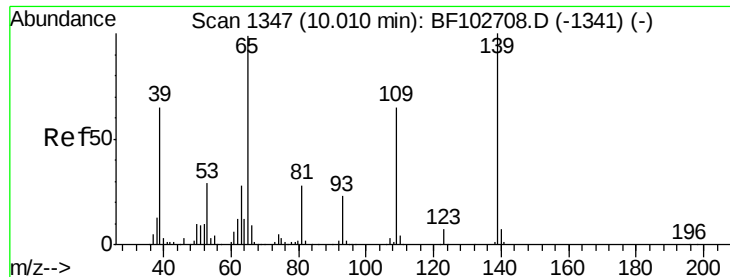
Tot Ion:165 Resp: 42823
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.6 44.0 66.0#



#54
 Dibenzofuran
 Concen: 3.087 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion:168 Resp: 84228
 Ion Ratio Lower Upper
 168 100
 139 39.8 30.1 45.1
 169 14.6 10.9 16.3

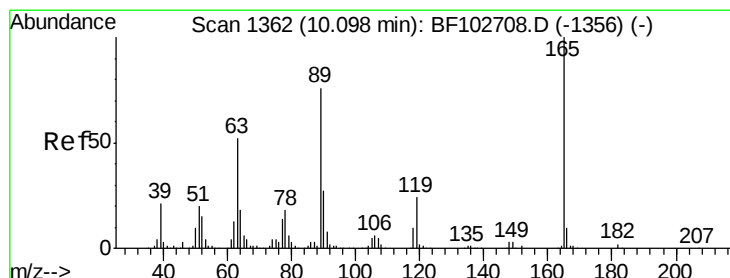
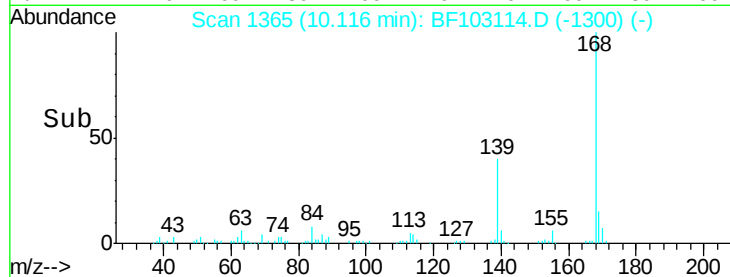
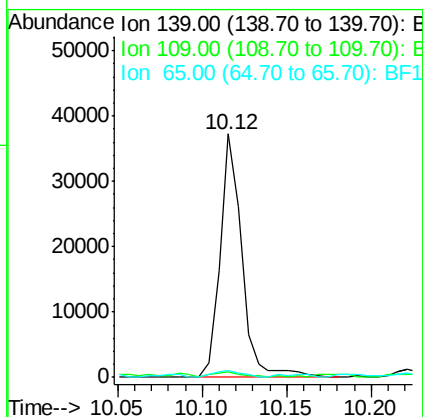
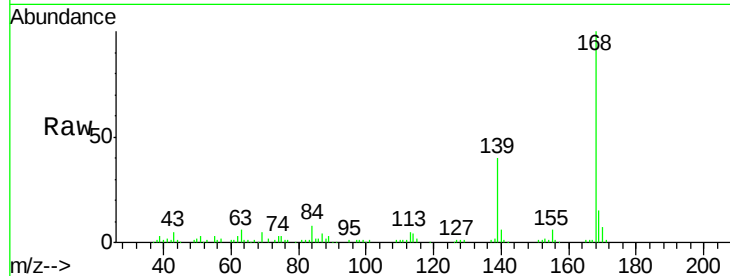




#55
4-Nitrophenol
Concen: 10.791 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.08 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

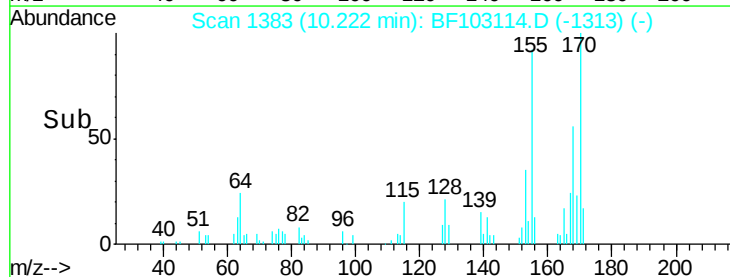
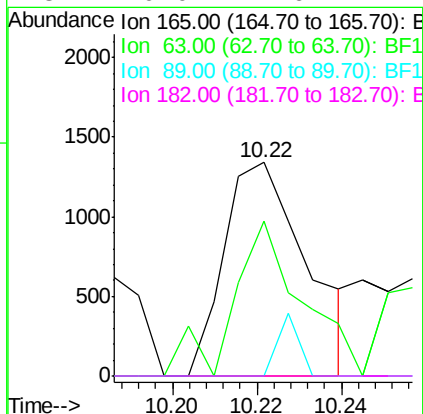
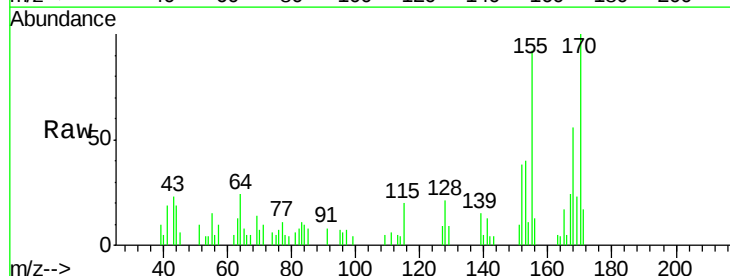
Instrument :
BNA_F
ClientSampled :

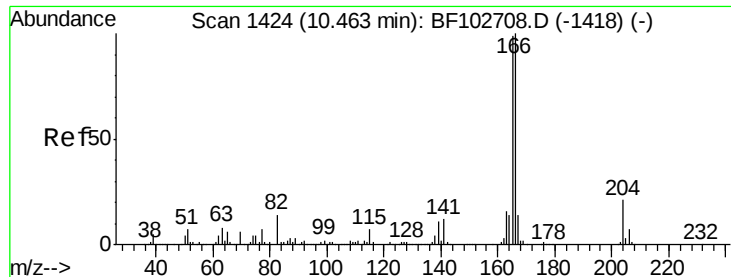
Tot Ion:139 Resp: 33603
Ion Ratio Lower Upper
139 100
109 2.2 48.4 88.4#
65 2.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.349 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.11 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Tgt Ion:165 Resp: 1828
Ion Ratio Lower Upper
165 100
63 72.4 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

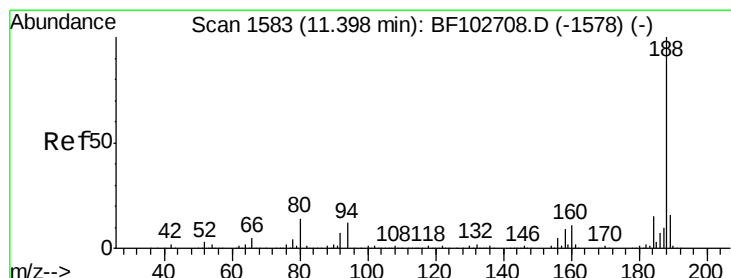
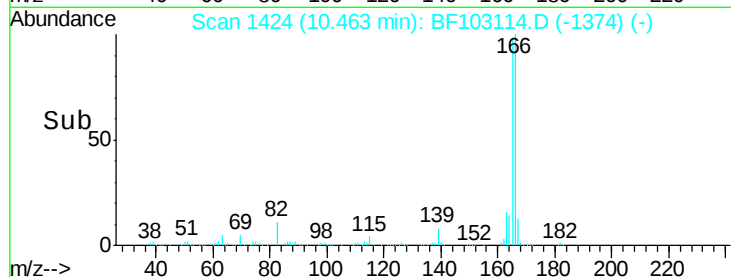
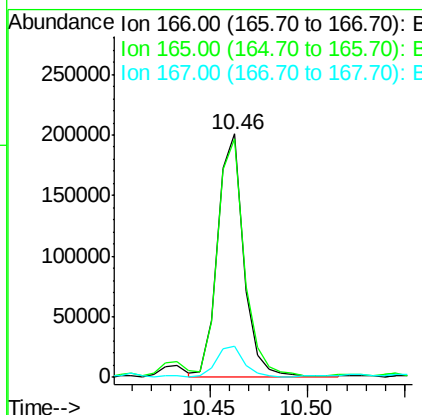
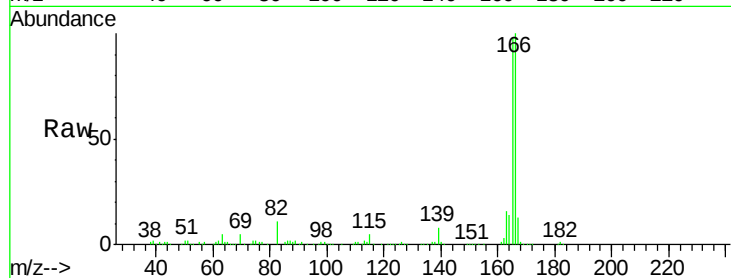




#57
Fluorene
 Concen: 9.404 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

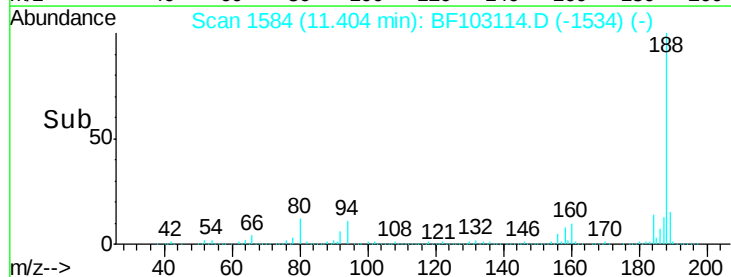
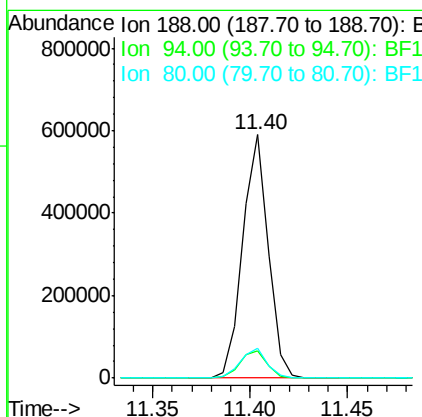
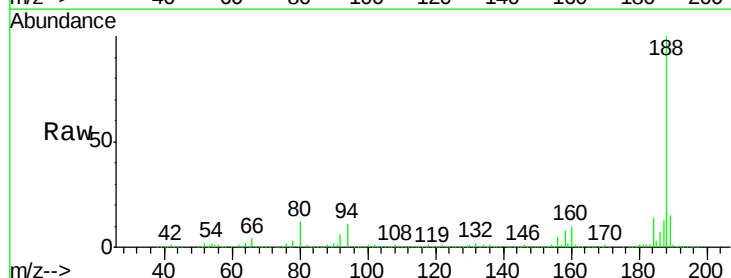
Instrument :
 BNA_F
 ClientSampleId :

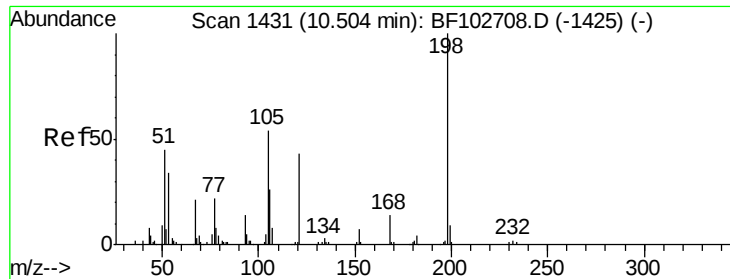
Tot Ion:166 Resp: 186701
 Ion Ratio Lower Upper
 166 100
 165 97.9 79.8 119.8
 167 13.0 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion:188 Resp: 535228
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.1 9.2 13.8

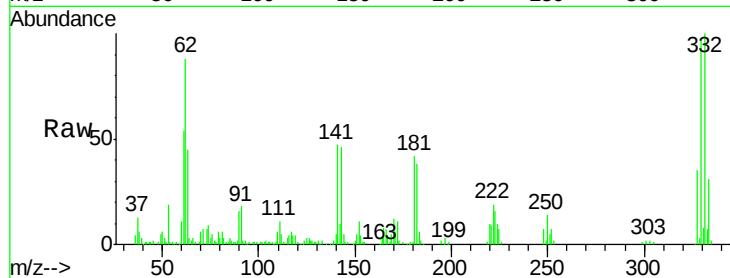




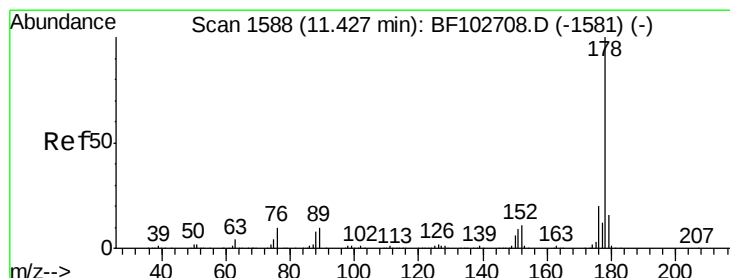
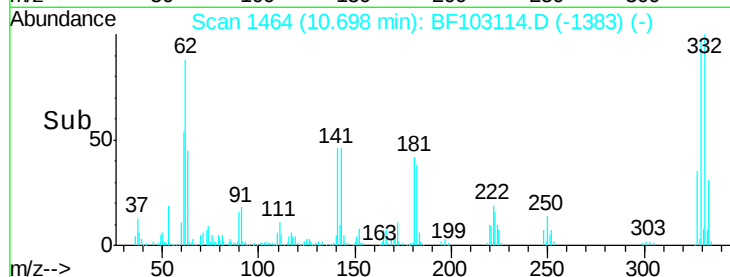
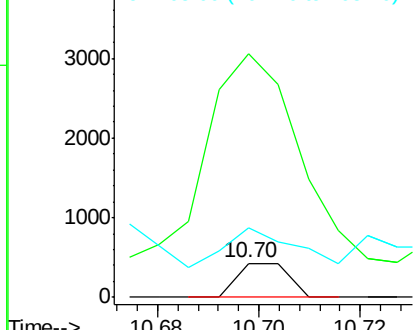
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.917 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 300
 Ion Ratio Lower Upper
 198 100
 51 182.7 37.7 77.7#
 105 51.9 36.3 76.3

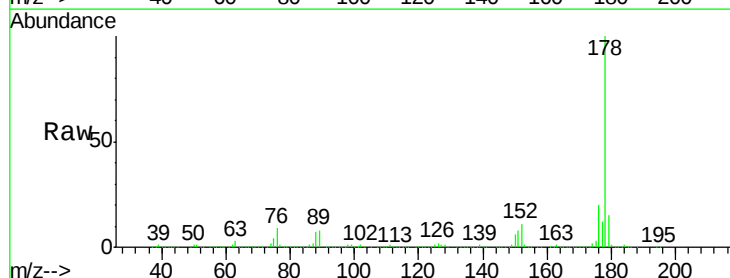


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

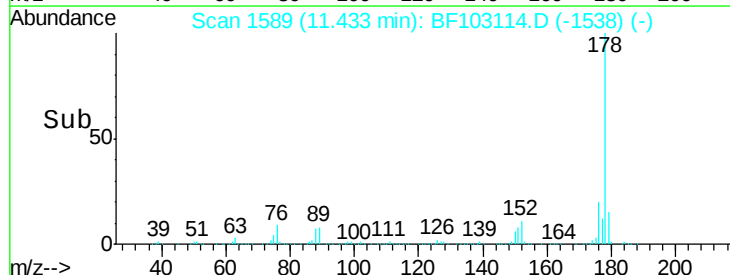
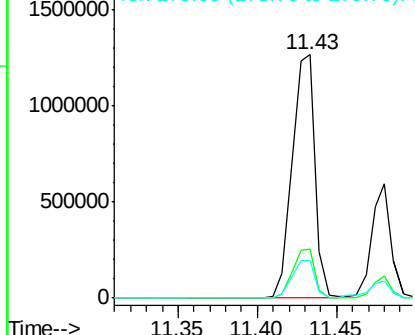


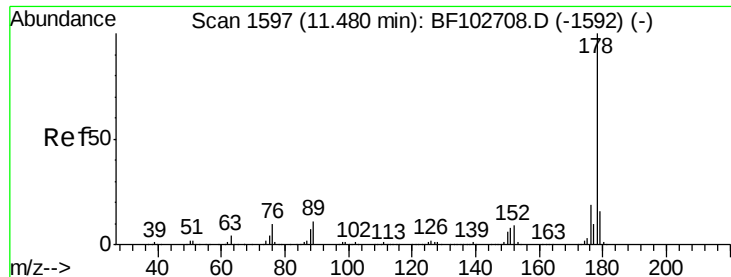
#70
 Phenanthrene
 Concen: 42.012 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion:178 Resp: 1252317
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.5 13.0 19.6



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

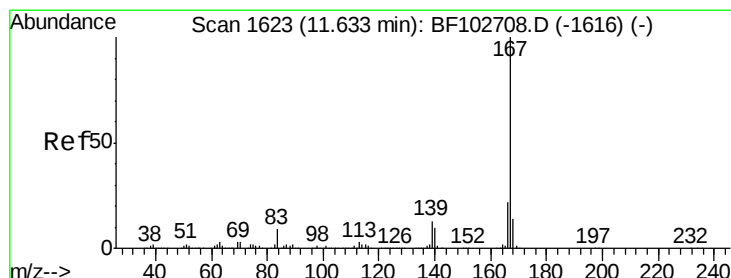
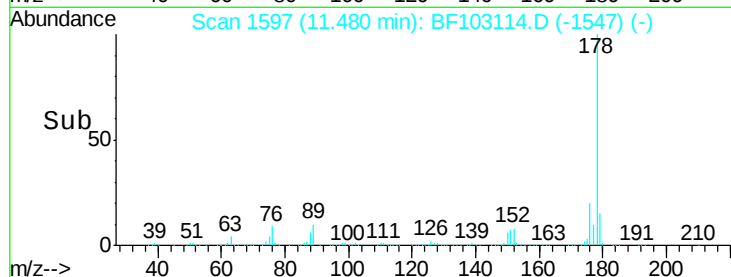
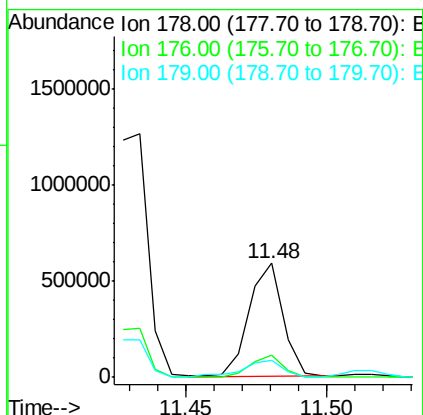
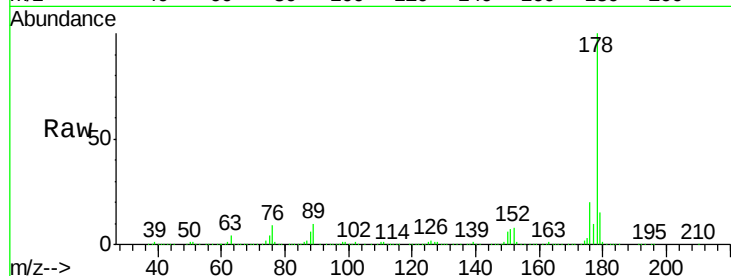




#71
 Anthracene
 Concen: 16.188 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

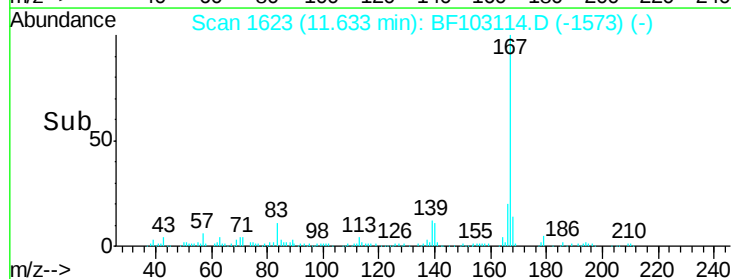
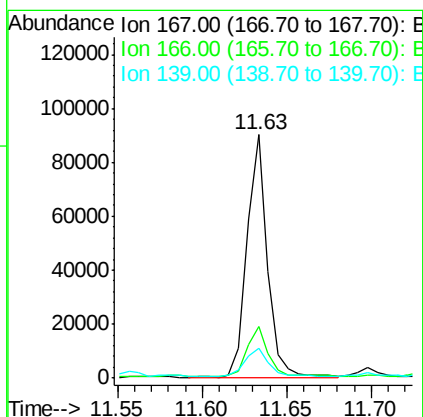
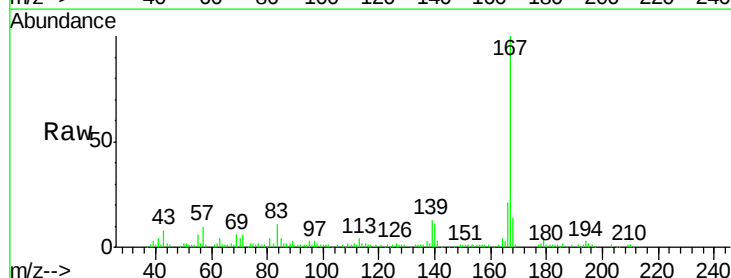
Instrument :
 BNA_F
 ClientSampleId :

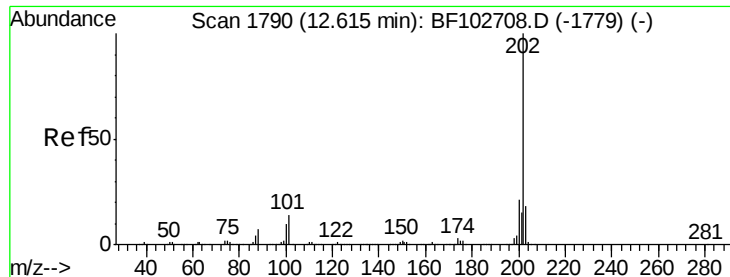
Tot Ion:178 Resp: 490786
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.3 12.6 19.0



#72
 Carbazole
 Concen: 2.622 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion:167 Resp: 77885
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 12.5 10.9 16.3





#74

Fluoranthene

Concen: 65.778 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

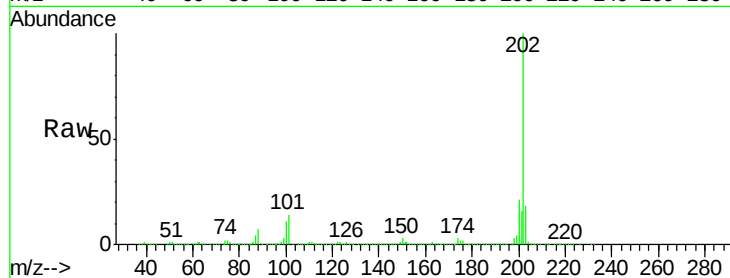
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1972746

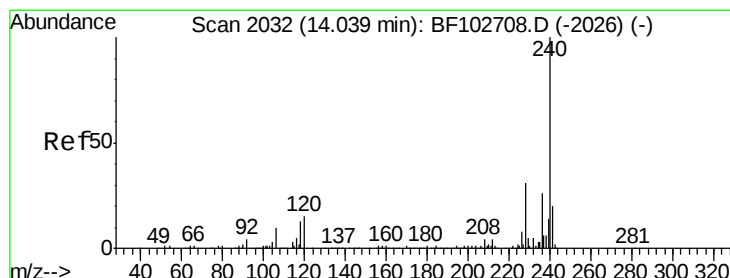
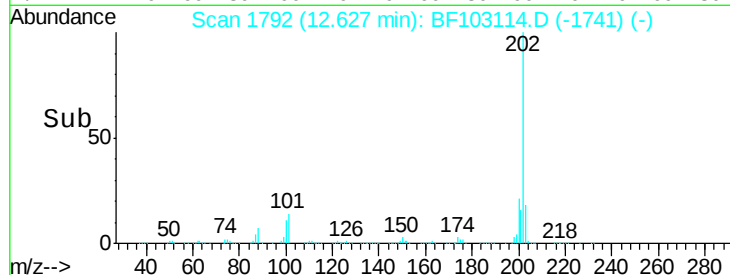
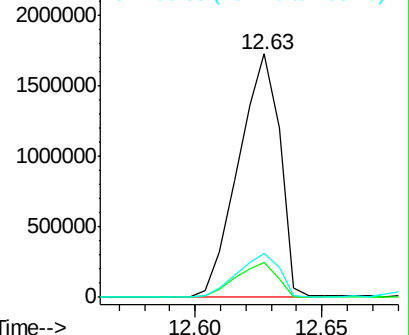
Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	18.0	0.0	38.1



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: 14.05 min Scan# 2034

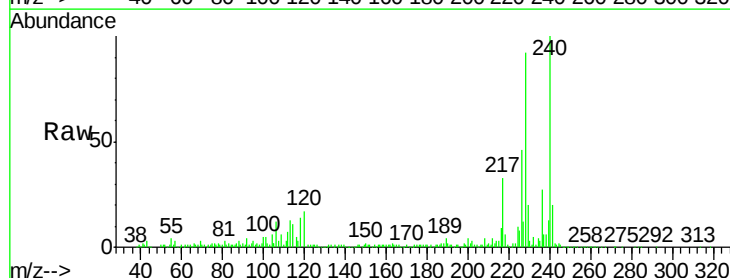
Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Tgt Ion:240 Resp: 291771

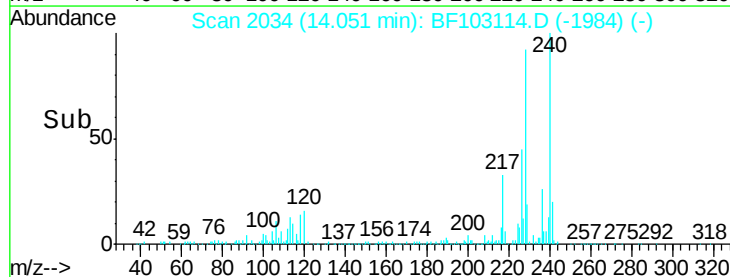
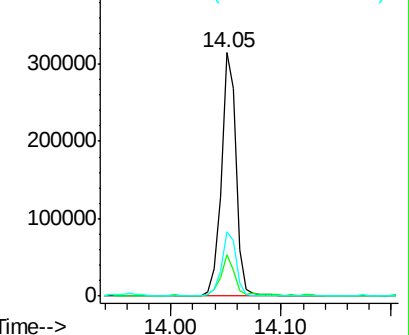
Ion	Ratio	Lower	Upper
240	100		
120	16.8	9.5	14.3#
236	26.6	20.7	31.1

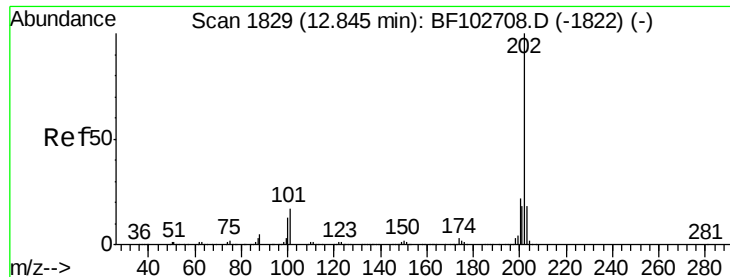


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

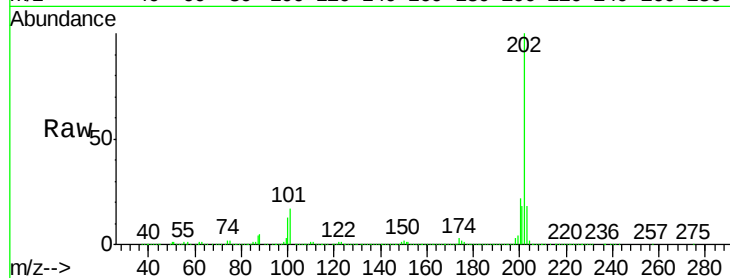




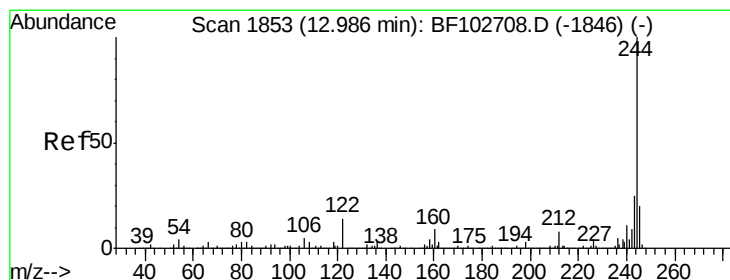
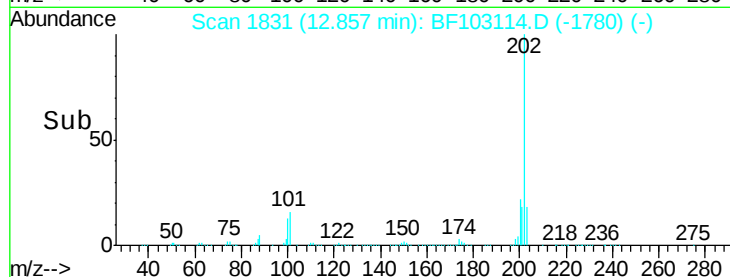
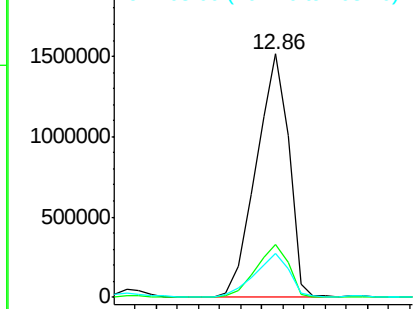
#77
Pvrene
Concen: 70.974 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1623841
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 18.1 14.3 21.5

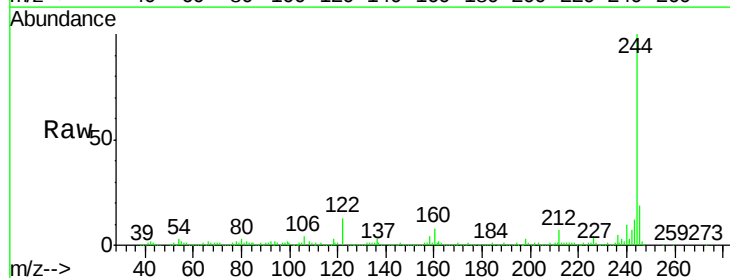


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

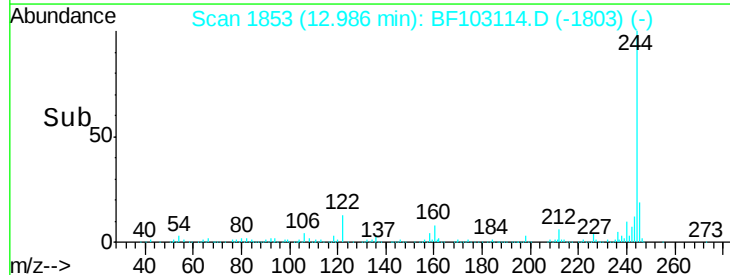
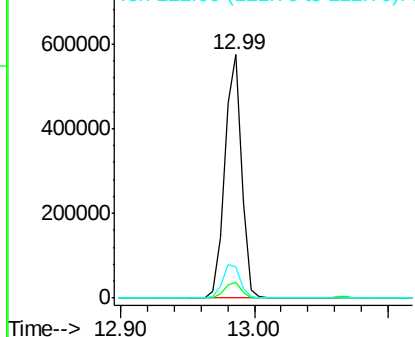


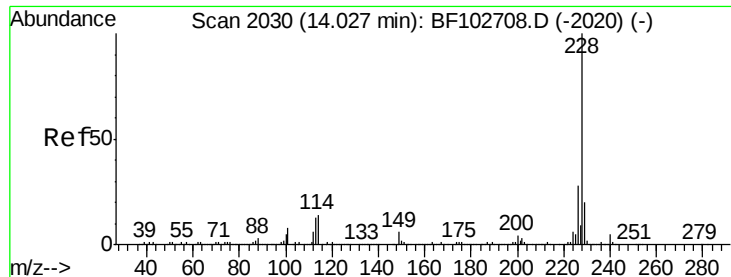
#78
Terphenyl-d14
Concen: 41.353 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Tgt Ion:244 Resp: 509571
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 12.9 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: 39.304 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampled :

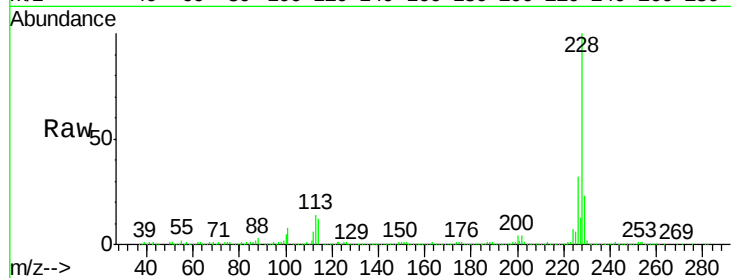
Tot Ion:228 Resp: 721214

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

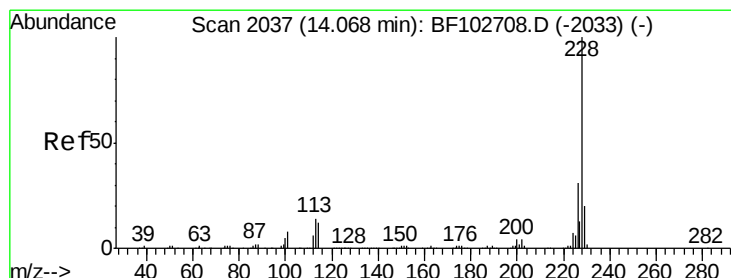
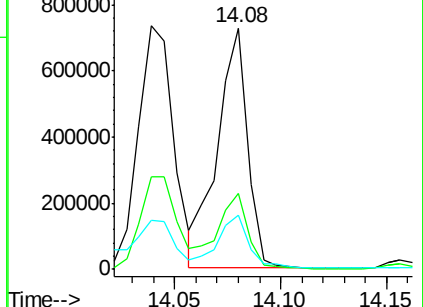
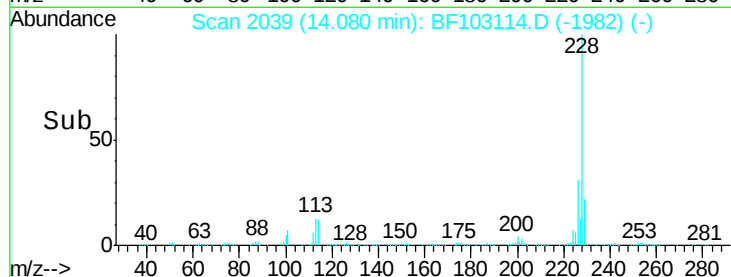
229 22.6 15.8 23.6



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: 38.990 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

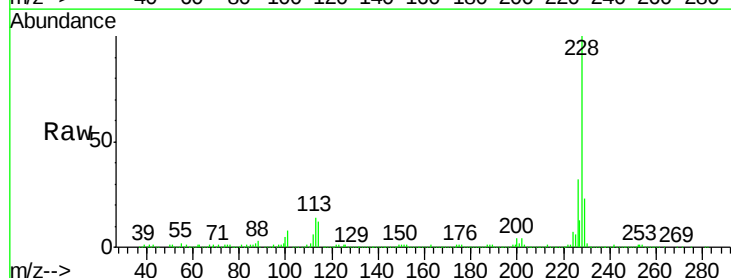
Tgt Ion:228 Resp: 721214

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

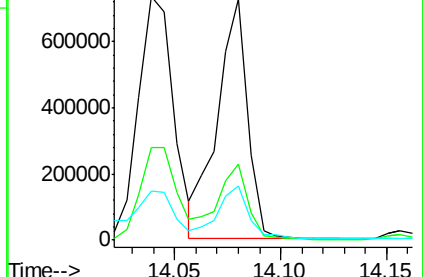
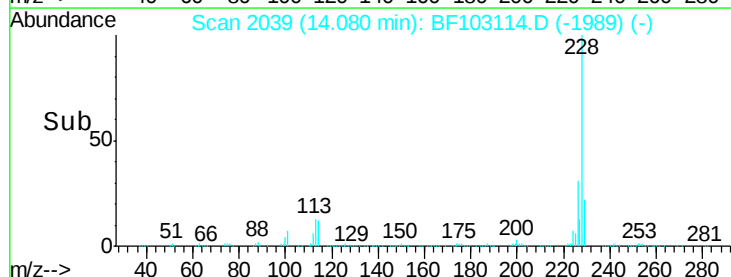
229 22.6 16.2 24.4

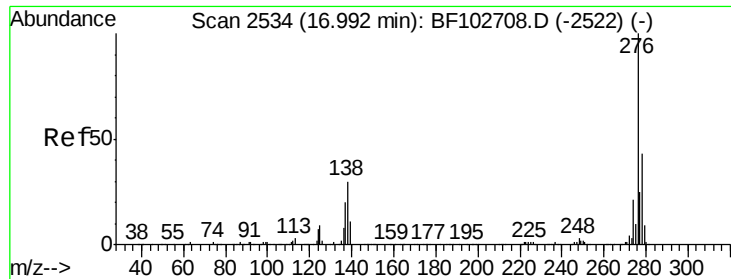


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

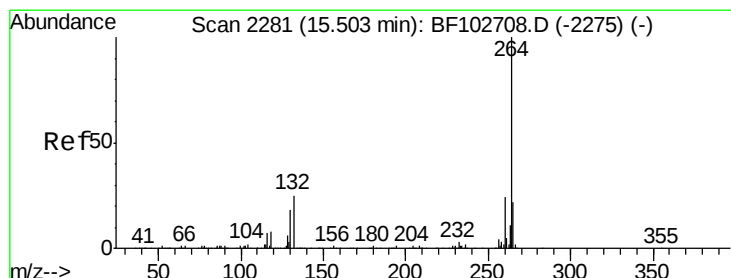
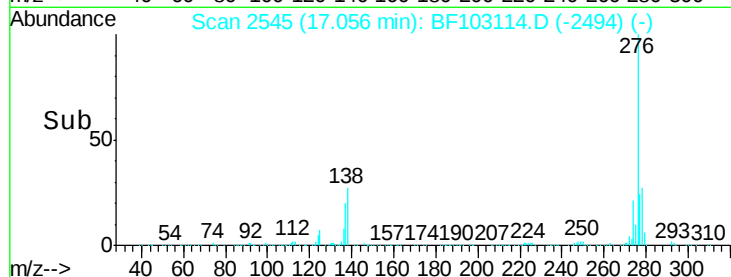
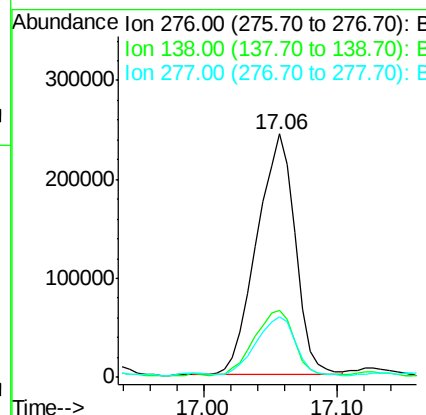
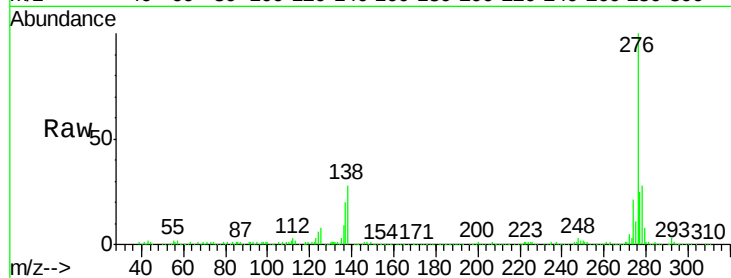




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 31.668 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. -0.00 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

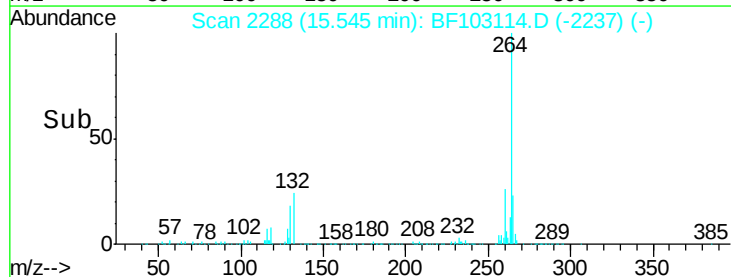
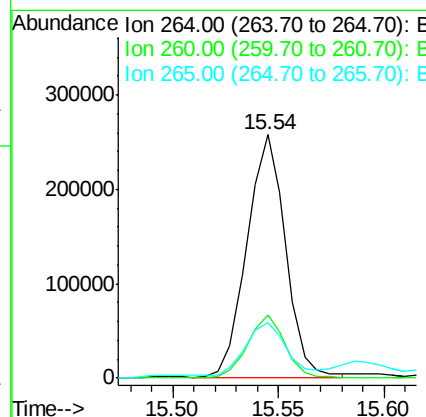
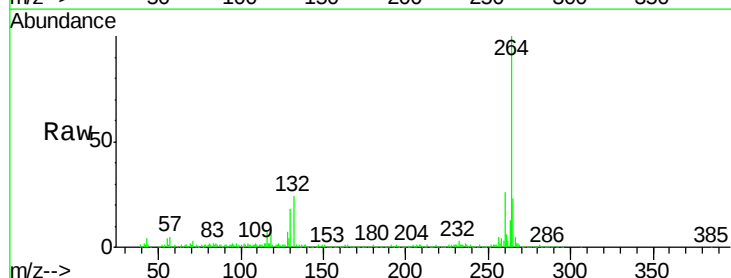
Instrument :
 BNA_F
 ClientSampleId :

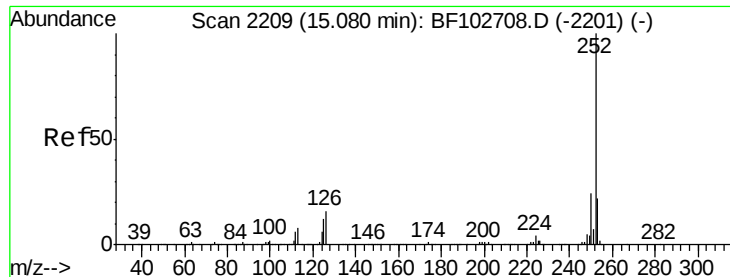
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.0	37.6
277	24.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 60.848 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

Instrument :

BNA_F

ClientSampleId :

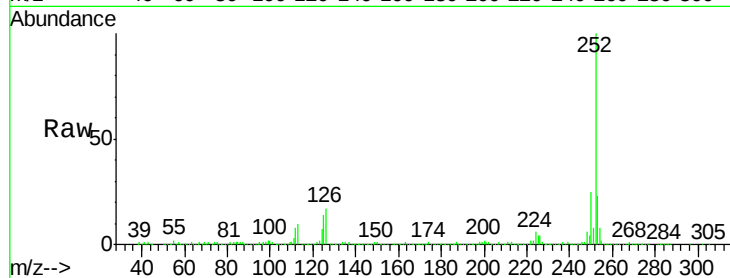
Tot Ion:252 Resp: 1282634

Ion Ratio Lower Upper

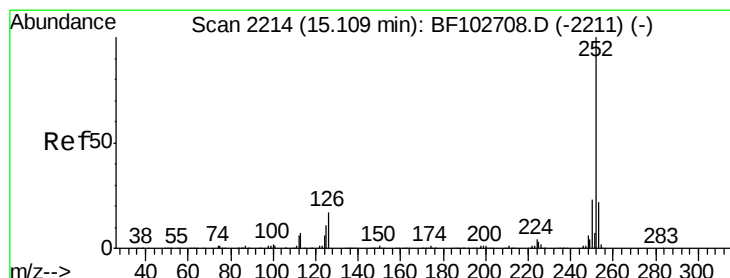
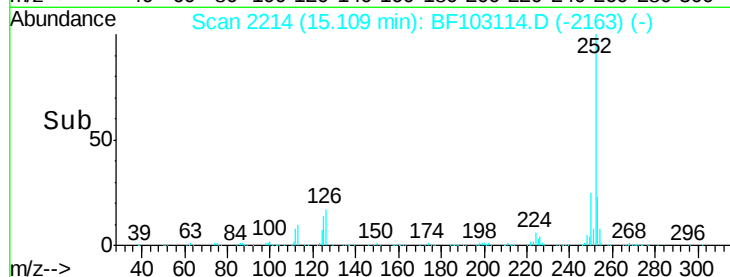
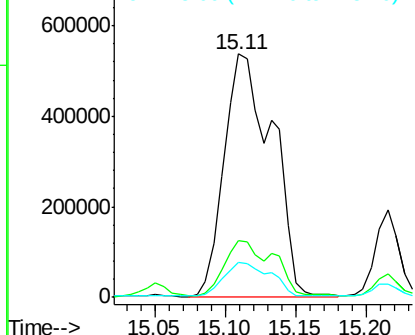
252 100

253 23.4 17.0 25.6

125 14.4 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: 63.682 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF103114.D

Acq: 20 Feb 2018 10:08

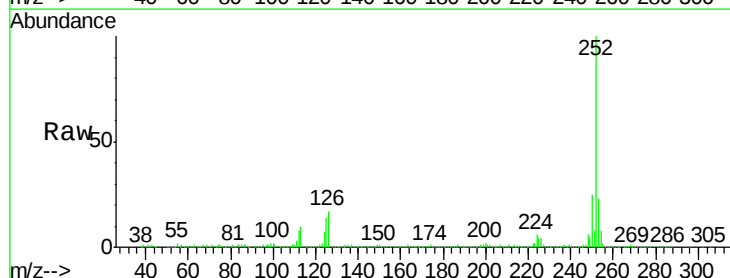
Tgt Ion:252 Resp: 1282634

Ion Ratio Lower Upper

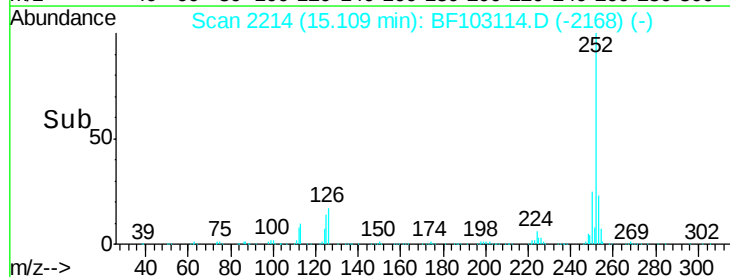
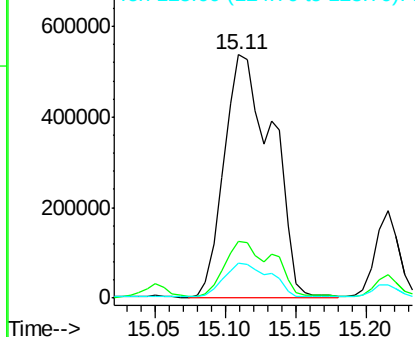
252 100

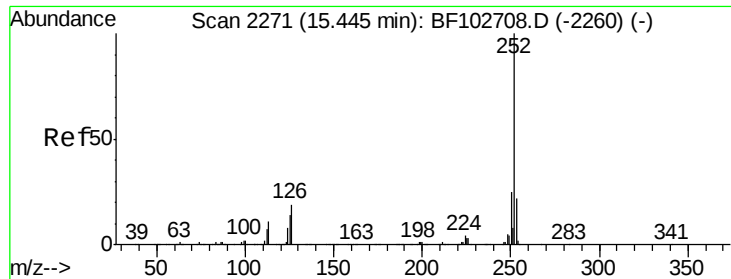
253 23.4 17.9 26.9

125 14.4 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

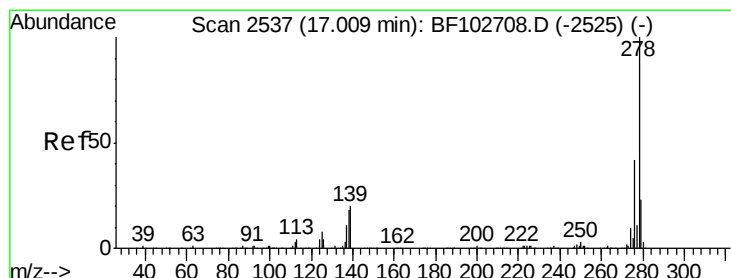
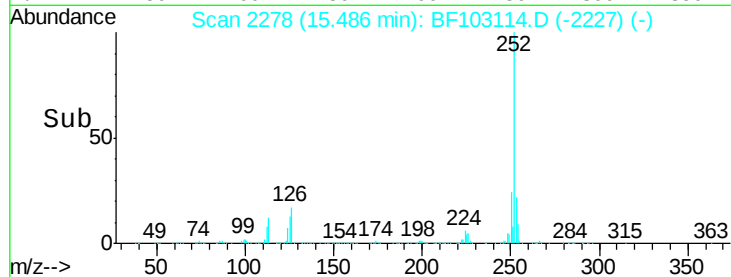
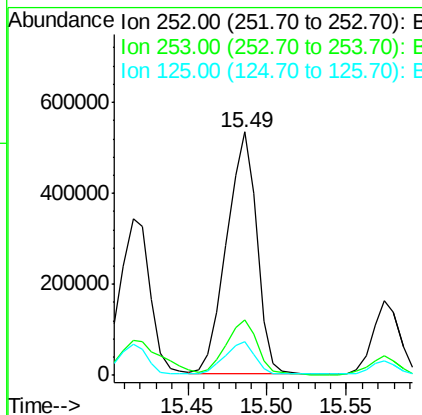
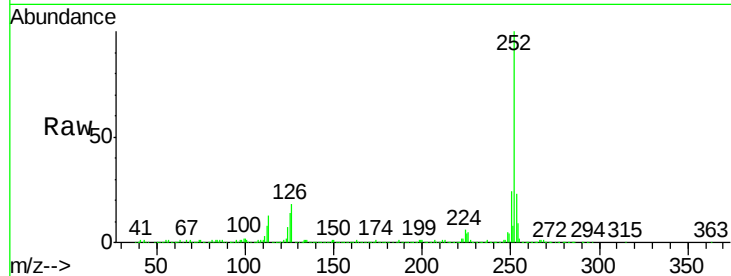




#89
Benzo(a)pyrene
Concen: 37.039 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

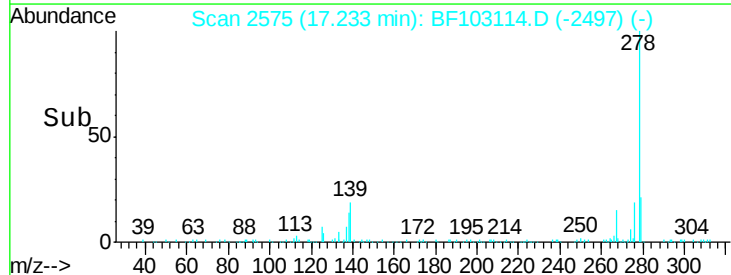
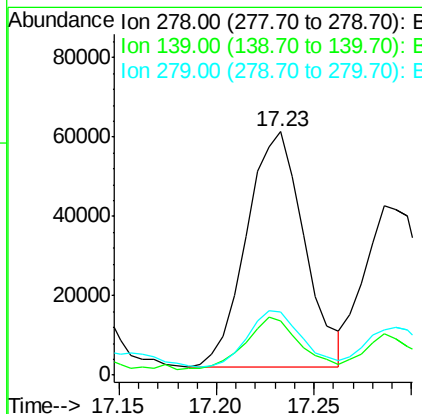
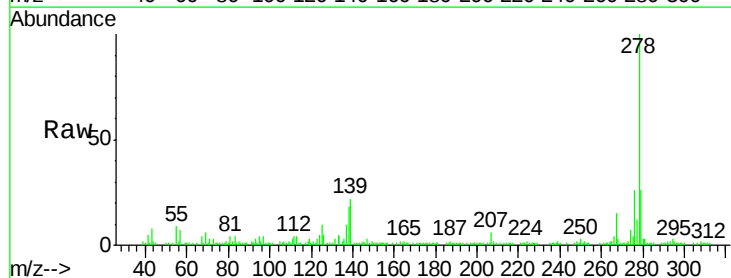
Instrument :
BNA_F
ClientSampleId :

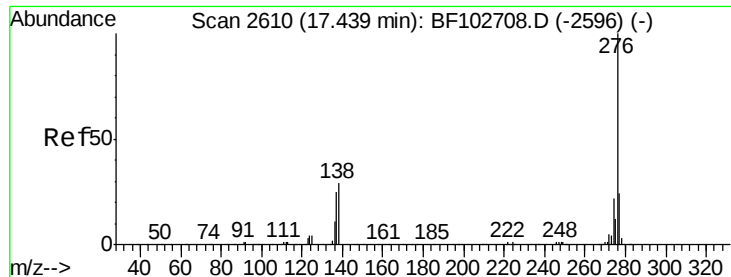
Tot Ion:252 Resp: 702784
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 14.0 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 7.884 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.16 min
Lab File: BF103114.D
Acq: 20 Feb 2018 10:08

Tgt Ion:278 Resp: 121423
Ion Ratio Lower Upper
278 100
139 22.2 15.9 23.9
279 25.8 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 30.565 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF103114.D
 Acq: 20 Feb 2018 10:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	28.5	21.8	32.8

