

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102304.D
 Acq On : 22 Jan 2018 17:31
 Operator : SJ/JU
 Sample : J1238-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:09:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	160666	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	663755	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	286901	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	432567	20.00	ng	0.00
75) Chrysene-d12	13.87	240	294164	20.00	ng	0.00
86) Perylene-d12	15.29	264	267360	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1030475	97.25	ng	0.00
7) Phenol-d6	6.36	99	1251157	97.94	ng	0.00
23) Nitrobenzene-d5	7.28	82	795942	68.91	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	239194	84.14	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1239664	63.53	ng	0.00
78) Terphenyl-d14	12.82	244	814651	62.43	ng	0.00

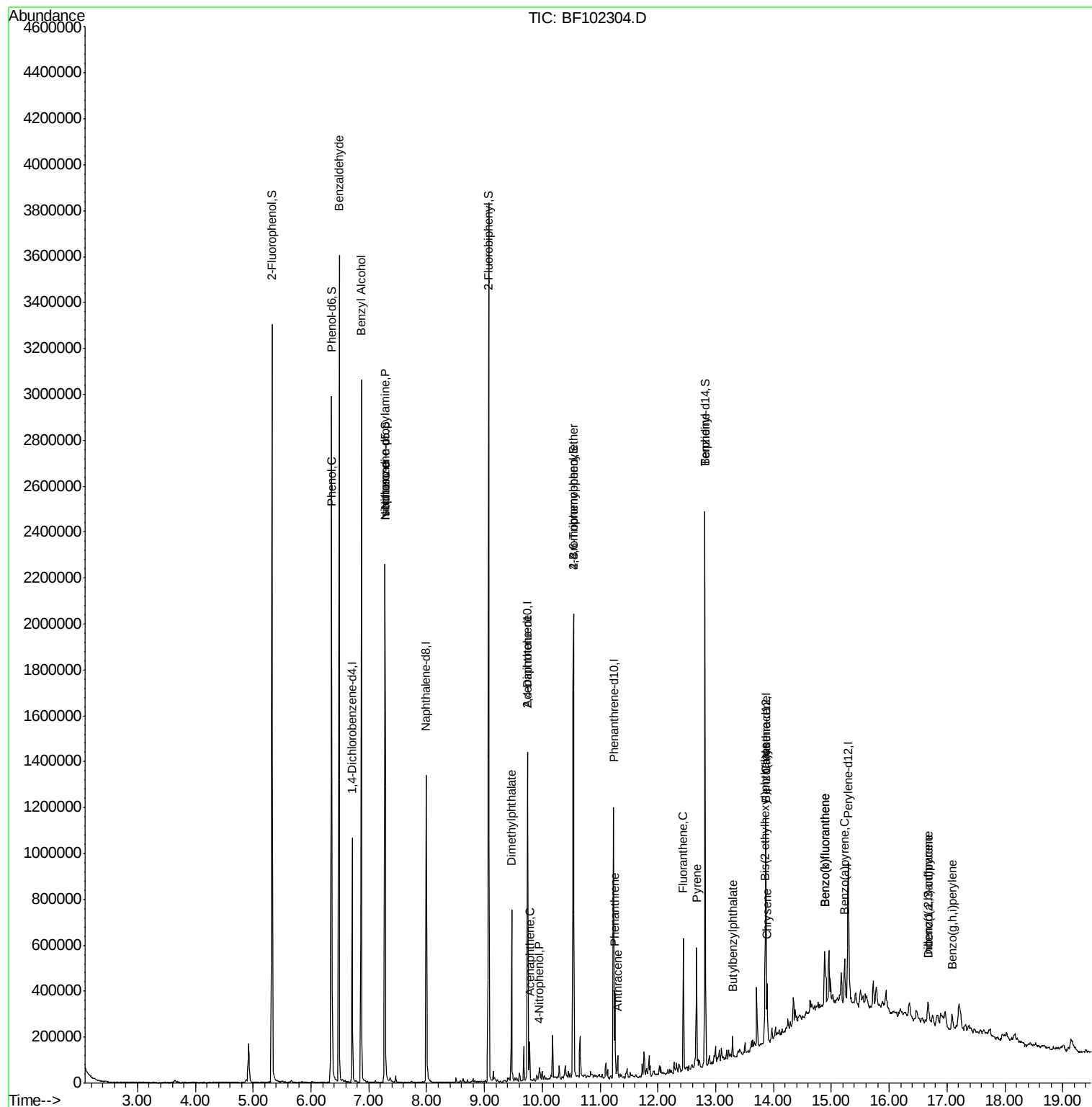
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	22083	2.507	ng	84
10) Phenol	6.37	94	48743	3.495	ng	99
15) Benzyl Alcohol	6.87	79	12573	1.395	ng	# 40
19) n-Nitroso-di-n-propylamine	7.28	70	104863	13.413	ng	# 78
25) Isophorone	7.28	82	795938	38.654	ng	# 64
49) Dimethylphthalate	9.47	163	280830	11.842	ng	100
51) Acenaphthene	9.78	154	32954	1.816	ng	99
55) 4-Nitrophenol	9.95	139	6291	1.576	ng	# 14
56) 2,4-Dinitrotoluene	9.75	165	36256	5.766	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	15622	3.355	ng	# 1
70) Phenanthrene	11.25	178	137226	5.444	ng	95
71) Anthracene	11.30	178	33851	1.316	ng	99
74) Fluoranthene	12.44	202	214401	8.341	ng	99
76) Benzidine	12.82	184	10859	1.099	ng	# 95
77) Pyrene	12.67	202	196577	8.643	ng	98
79) Butylbenzylphthalate	13.29	149	18783	1.659	ng	91
80) Benzo(a)anthracene	13.86	228	96652	5.337	ng	99
82) Chrysene	13.89	228	91421	4.971	ng	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	26937	1.771	ng	95
85) Indeno(1,2,3-cd)pyrene	16.67	276	45592	3.002	ng	97
87) Benzo(b)fluoranthene	14.89	252	162615	9.384	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	162615	9.932	ng	97
89) Benzo(a)pyrene	15.23	252	85223	5.453	ng	# 93
90) Dibenzo(a,h)anthracene	16.67	278	13454	1.063	ng	# 79
91) Benzo(g,h,i)perylene	17.09	276	43246	3.460	ng	91

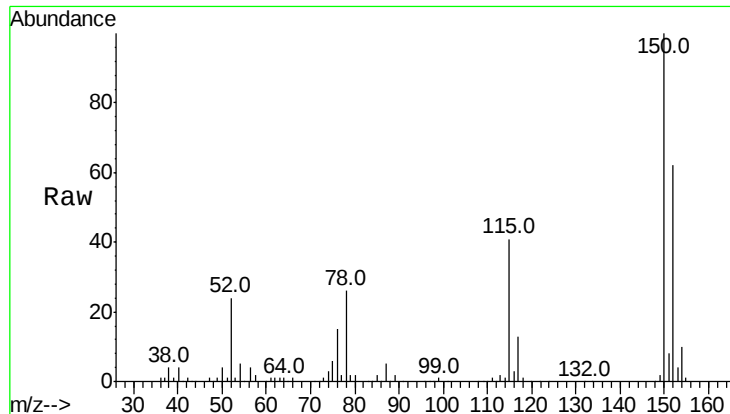
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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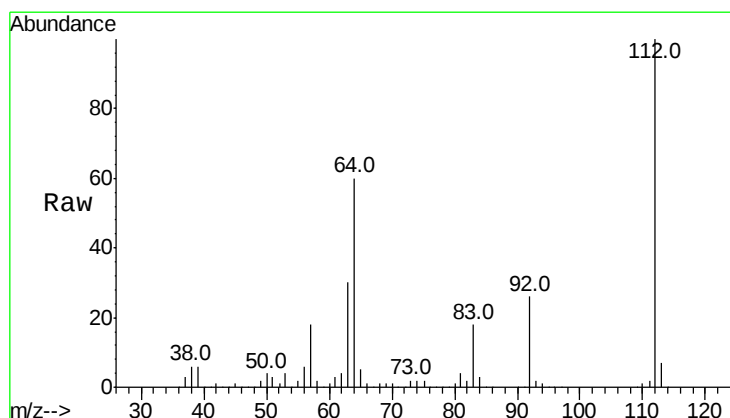
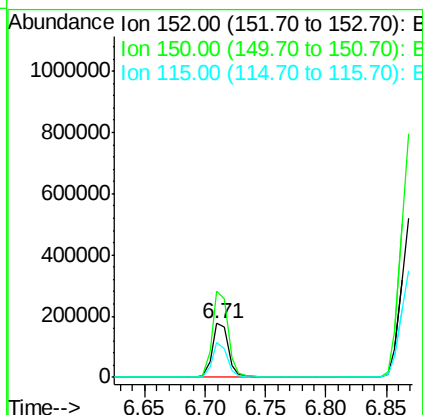
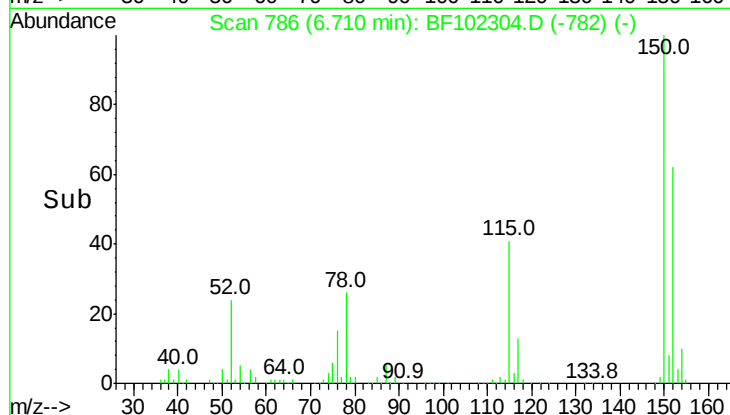




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

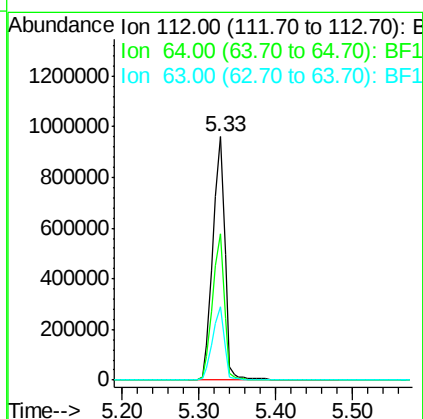
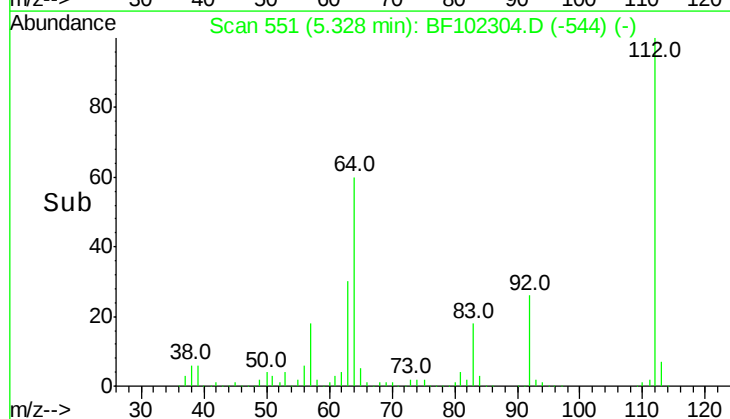
Instrument :
 BNA_F
 ClientSampleId :

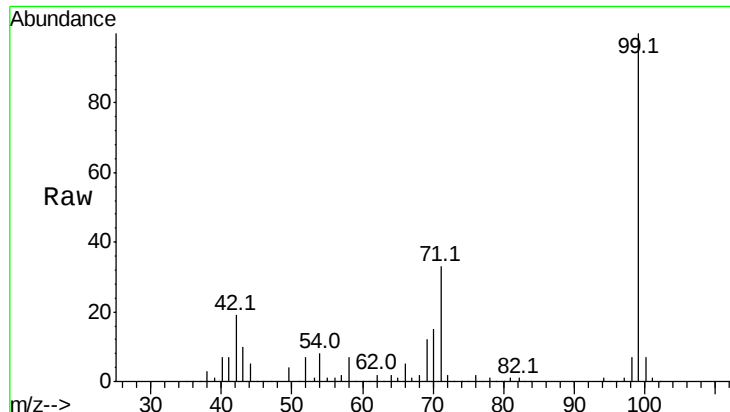
Tot Ion:152 Resp: 160666
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.6 186.8
 115 65.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 97.249 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:112 Resp: 1030475
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 97.940 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

ClientSampled :

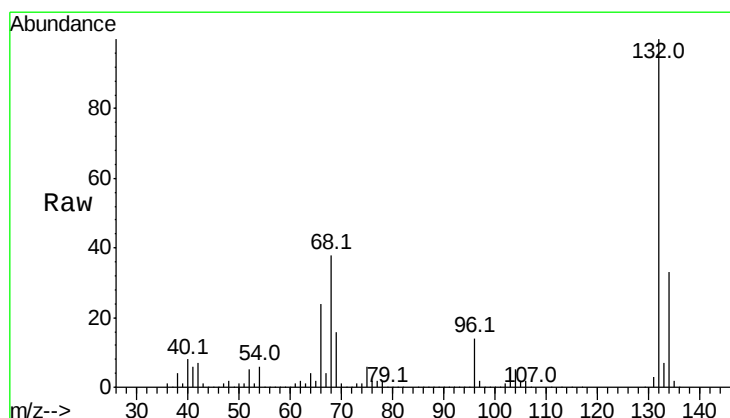
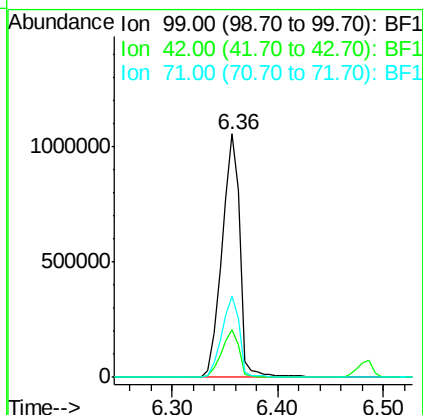
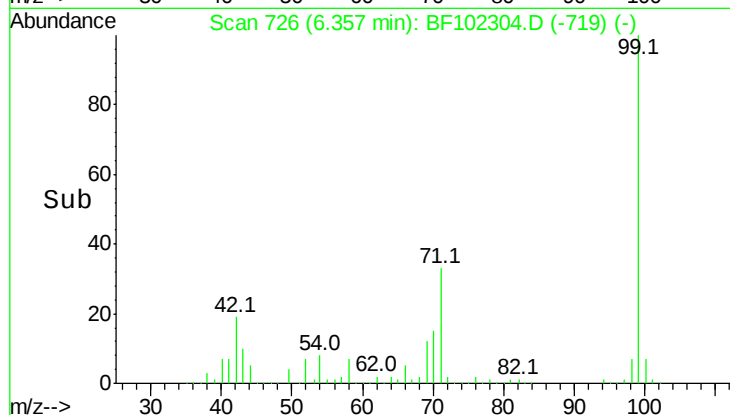
Tot Ion: 99 Resp: 1251157

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 33.3 25.4 38.0



#9

Benzaldehyde

Concen: 2.507 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

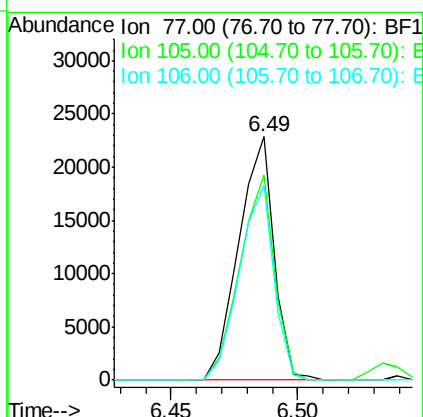
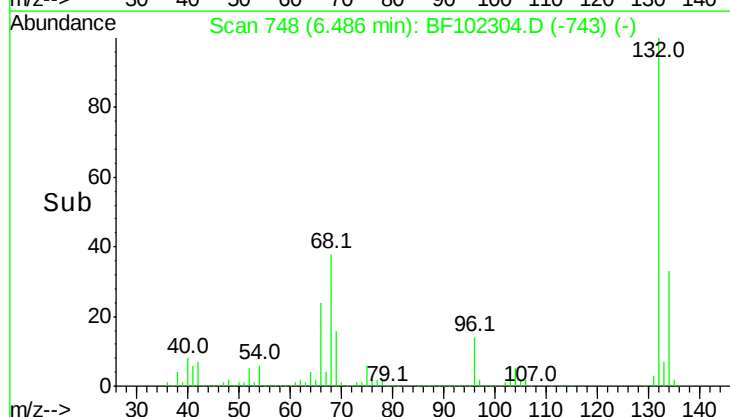
Tgt Ion: 77 Resp: 22083

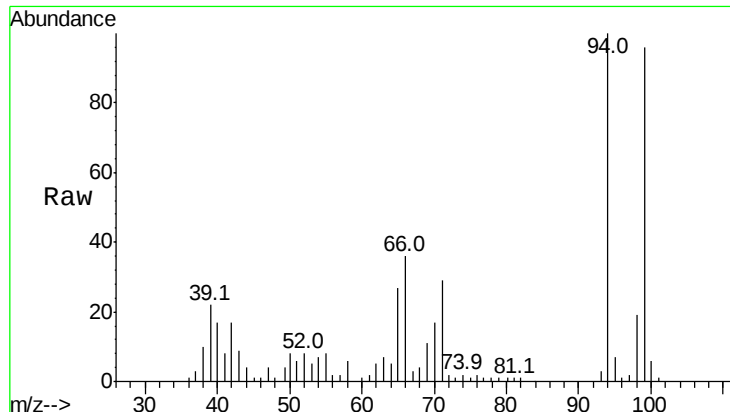
Ion Ratio Lower Upper

77 100

105 84.3 81.1 121.1

106 80.0 74.5 114.5

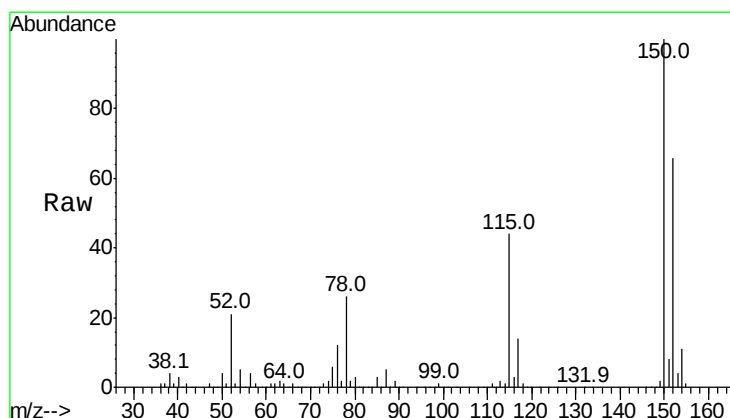
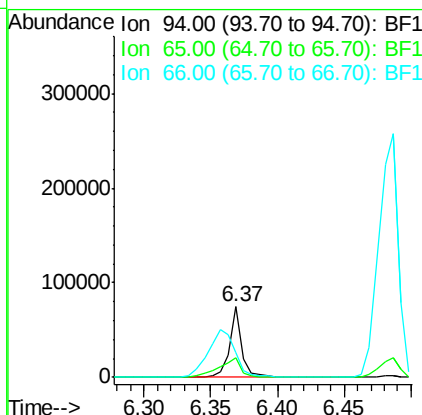
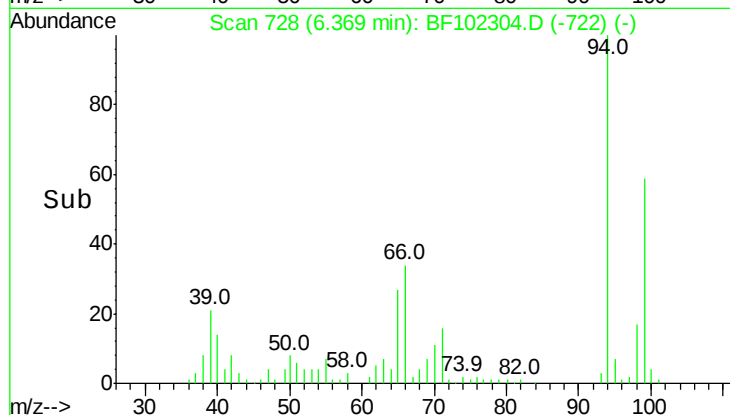




#10
Phenol
Concen: 3.495 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

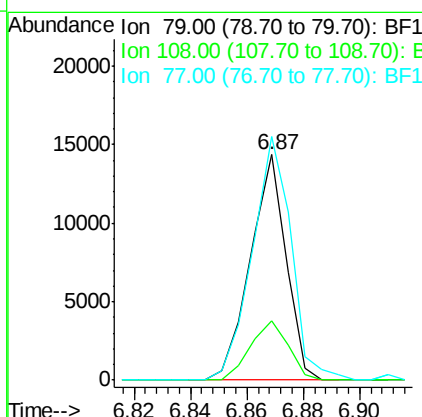
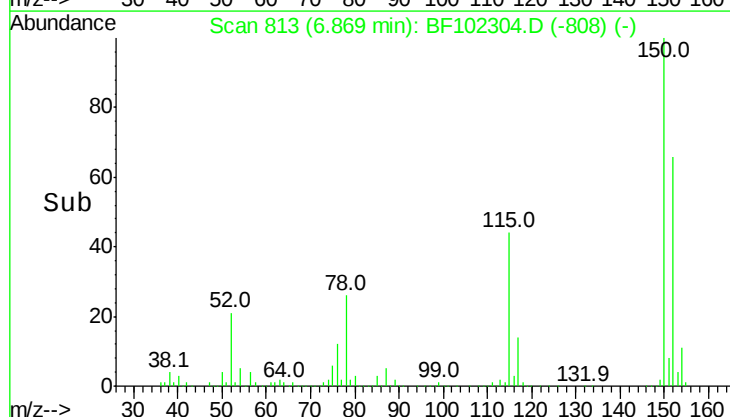
Instrument :
BNA_F
ClientSampleId :

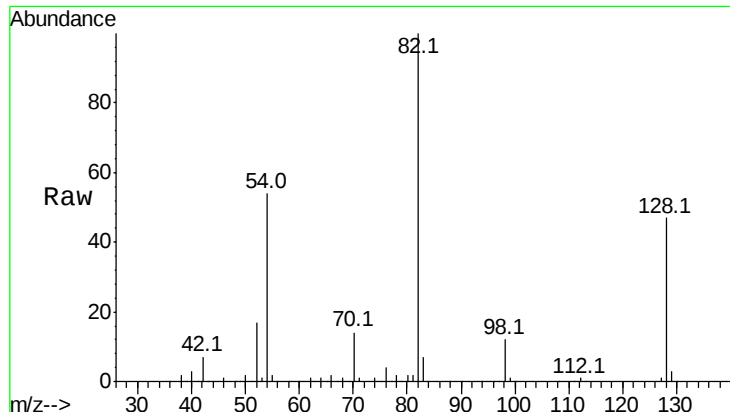
Tot Ion: 94 Resp: 48743
Ion Ratio Lower Upper
94 100
65 27.1 7.9 47.9
66 36.0 16.2 56.2



#15
Benzyl Alcohol
Concen: 1.395 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion: 79 Resp: 12573
Ion Ratio Lower Upper
79 100
108 26.1 65.1 97.7#
77 108.1 50.6 75.8#

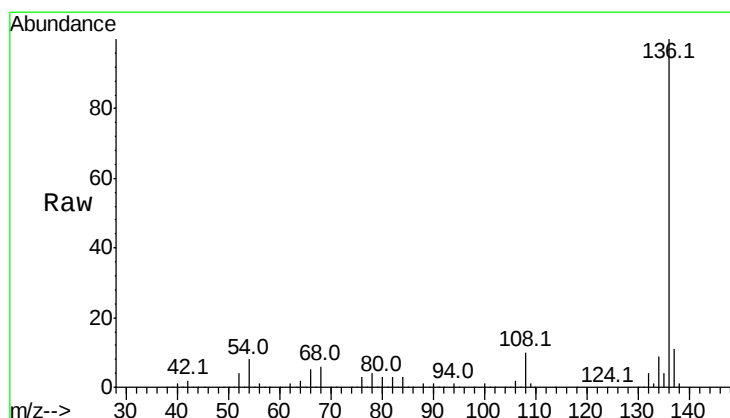
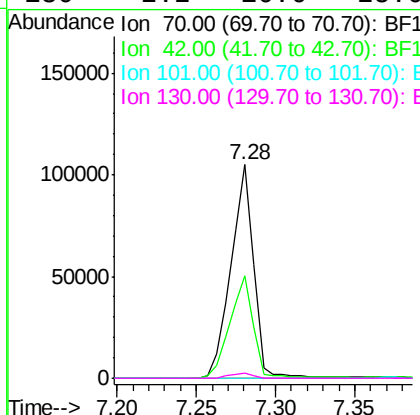
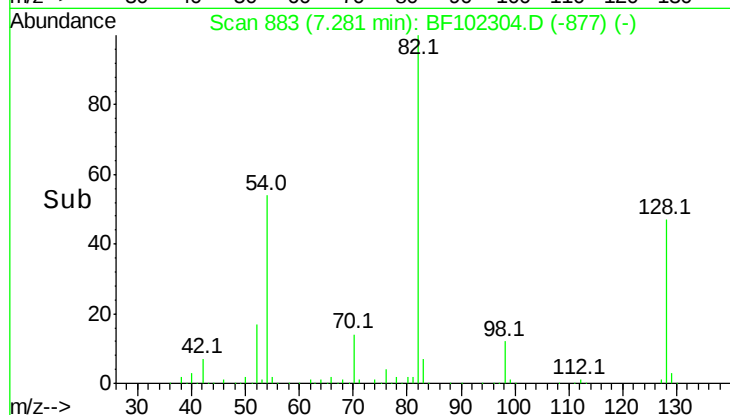




#19
 n-Nitroso-di-n-propylamine
 Concen: 13.413 ng
 RT: 7.28 min Scan# 883
 Delta R.T. 0.14 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

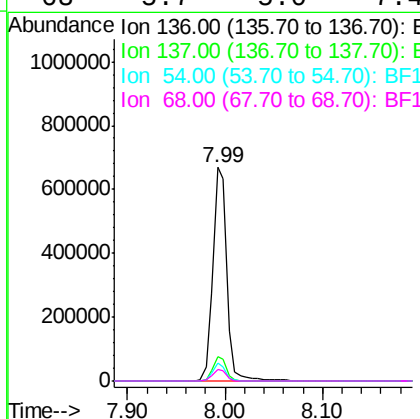
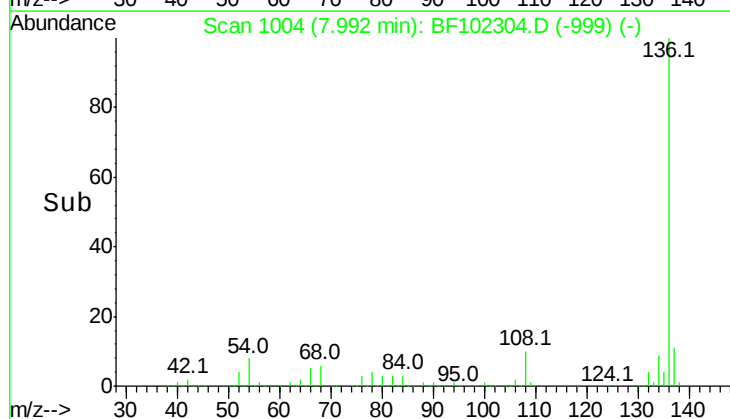
Instrument :
 BNA_F
 ClientSampleId :

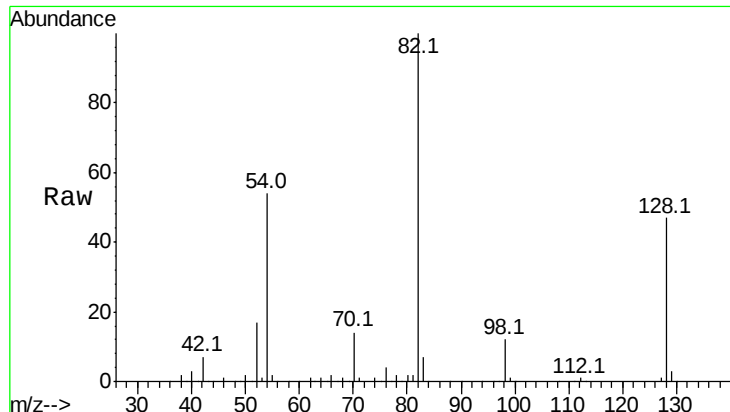
Tot Ion:	70	Resp:	104863
Ion	Ratio	Lower	Upper
70	100		
42	48.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:	136	Resp:	663755
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.4	6.6	9.8
68	5.7	5.0	7.4

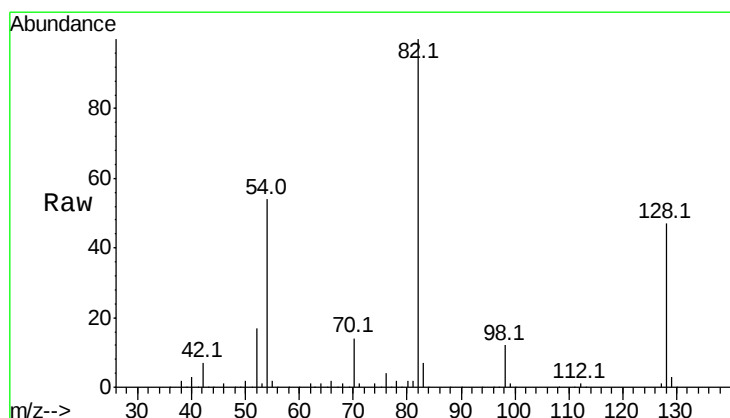
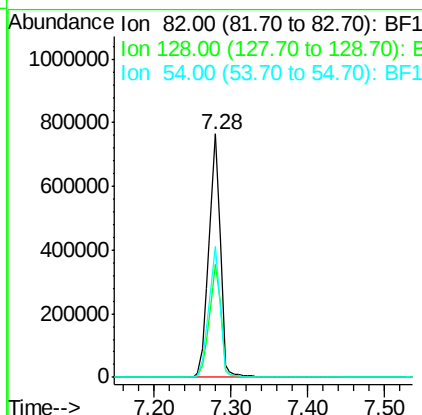
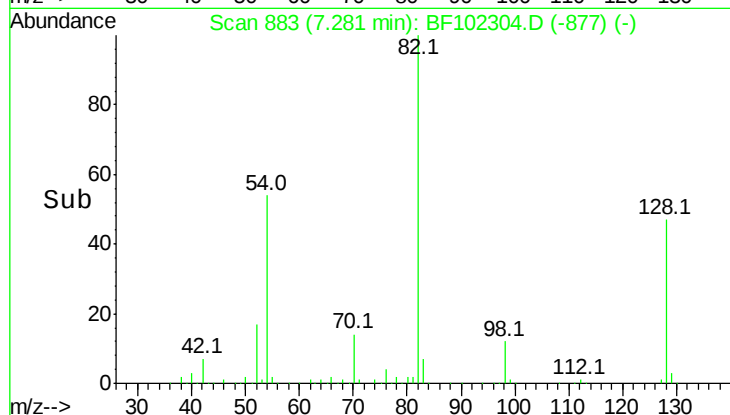




#23
 Nitrobenzene-d5
 Concen: 68.911 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

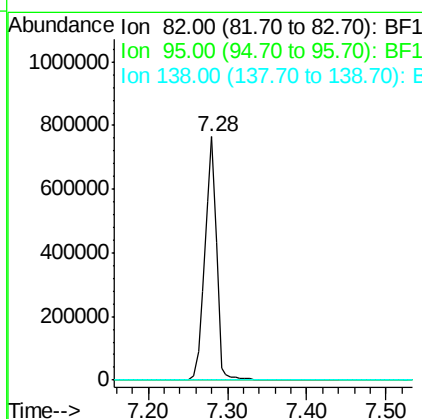
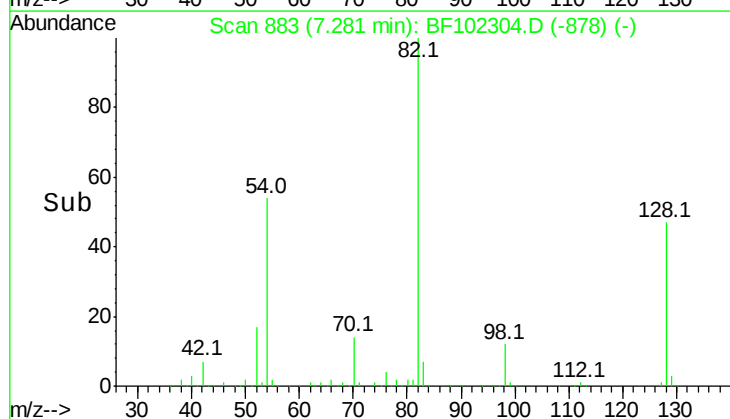
Instrument :
 BNA_F
 ClientSampleId :

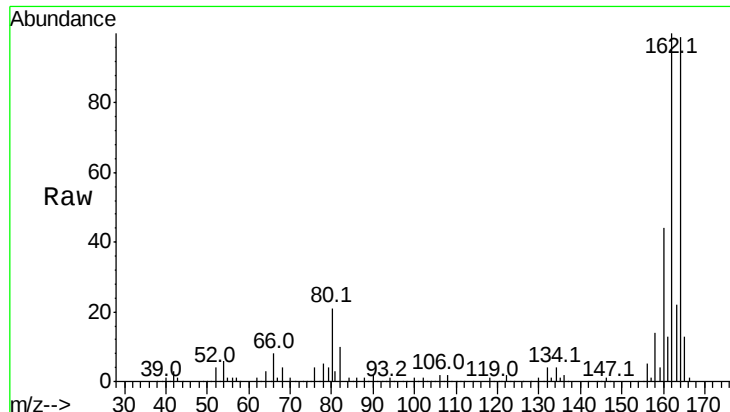
Tot Ion:	82	Resp:	795942
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	54.0	41.4	62.2



#25
 Isophorone
 Concen: 38.654 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:	82	Resp:	795938
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

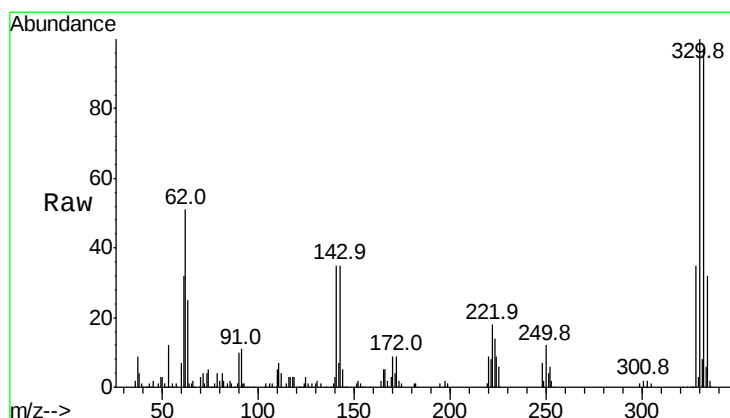
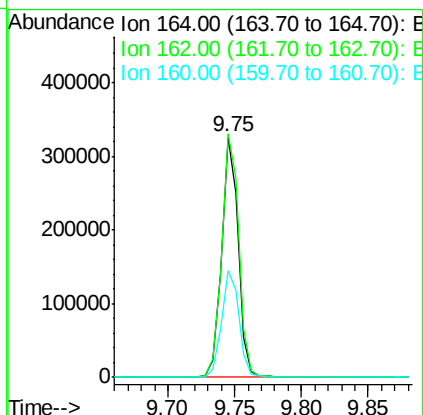
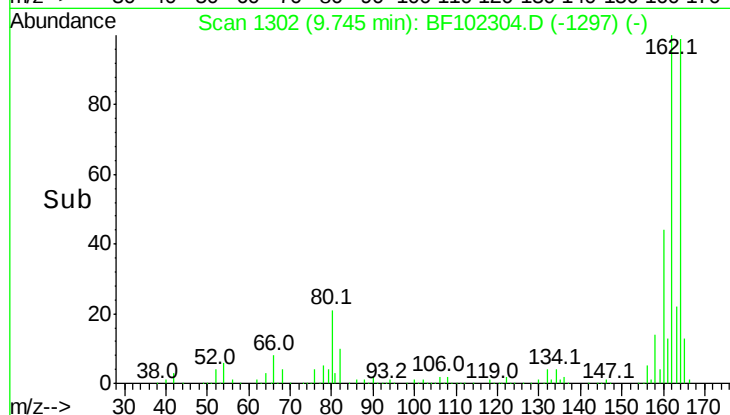




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

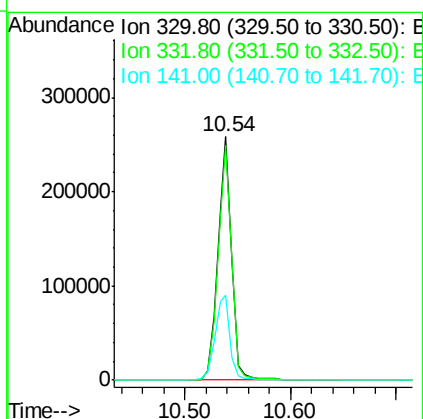
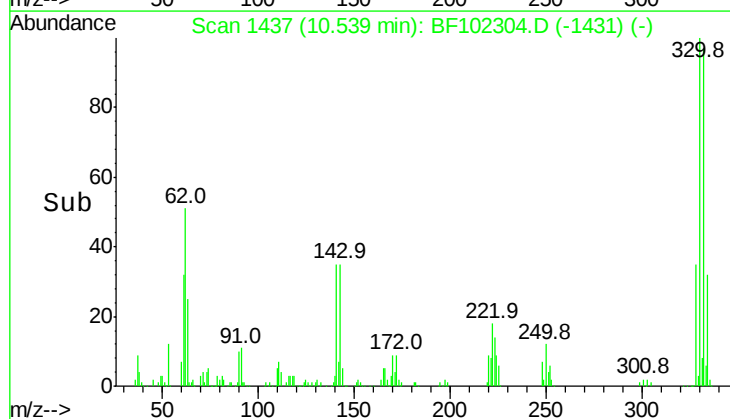
Instrument :
BNA_F
ClientSampleId :

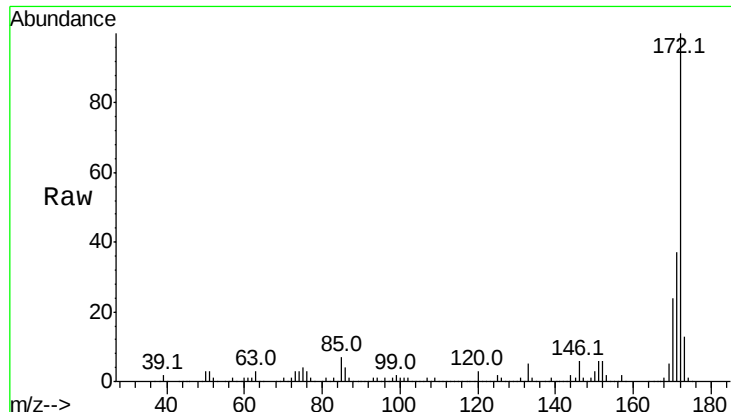
Tot Ion:164 Resp: 286901
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 44.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 84.141 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:330 Resp: 239194
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 38.5 29.9 44.9

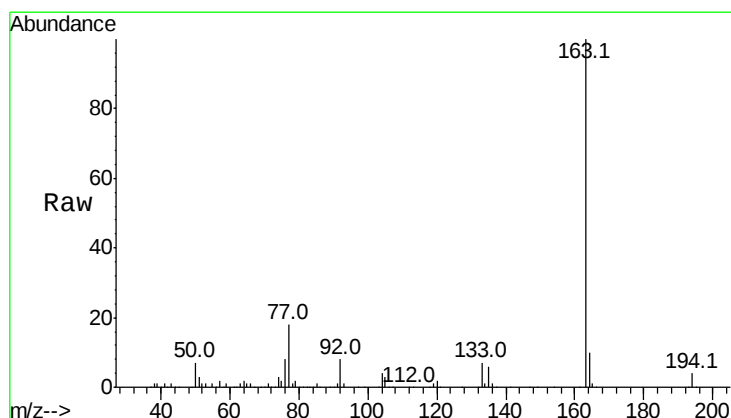
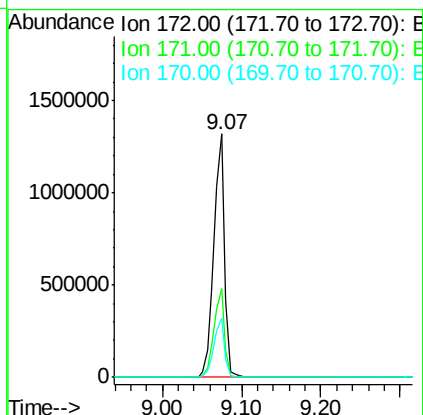
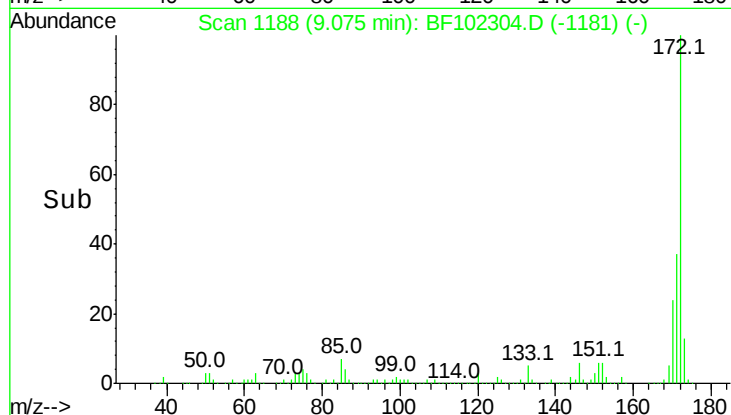




#44
2-Fluorobiphenyl
Concen: 63.532 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

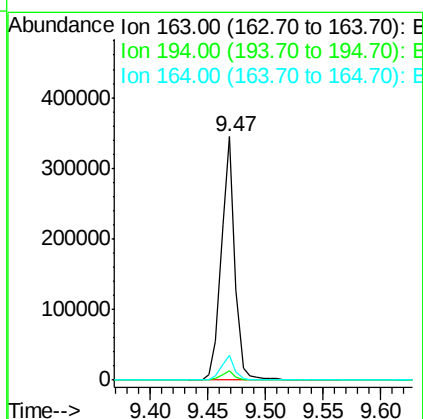
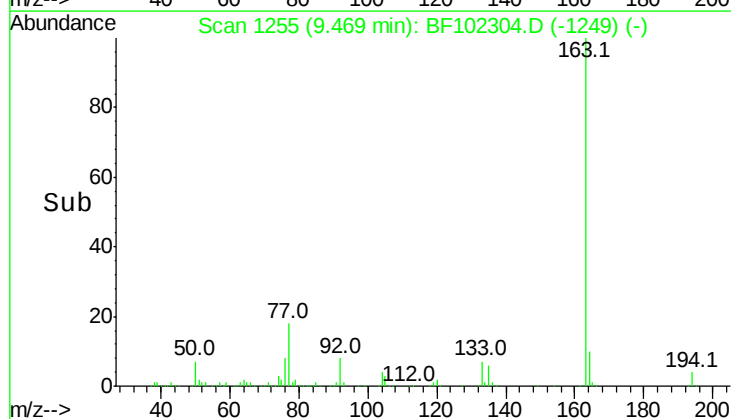
Instrument :
BNA_F
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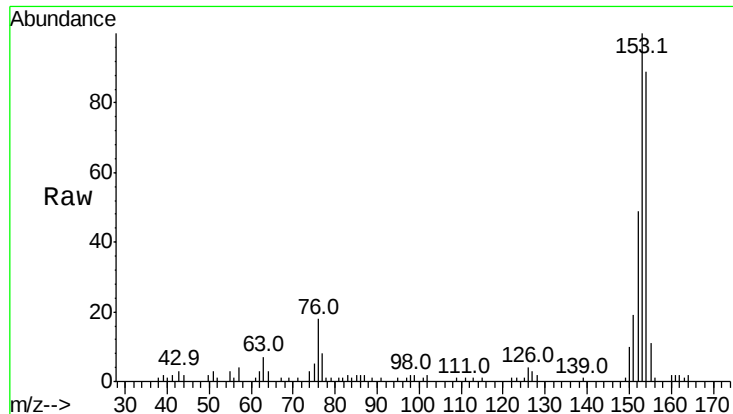
Tot Ion:172 Resp: 1239664
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 11.842 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:163 Resp: 280830
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.0 8.2 12.2





#51

Acenaphthene

Concen: 1.816 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

ClientSampleId :

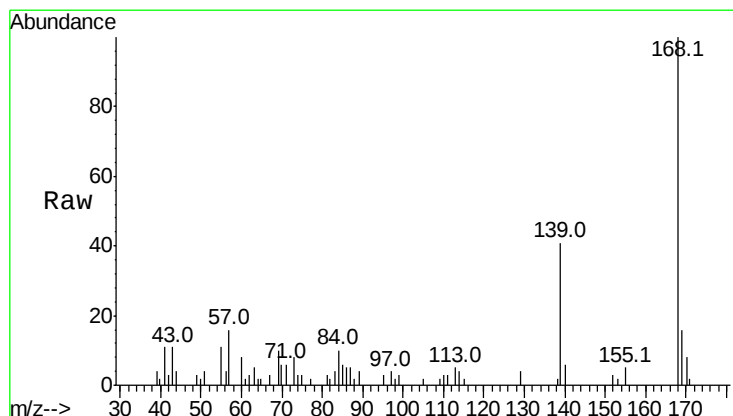
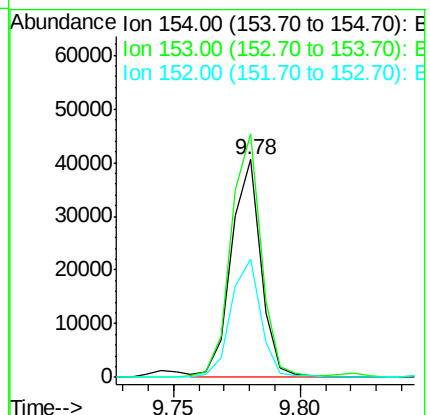
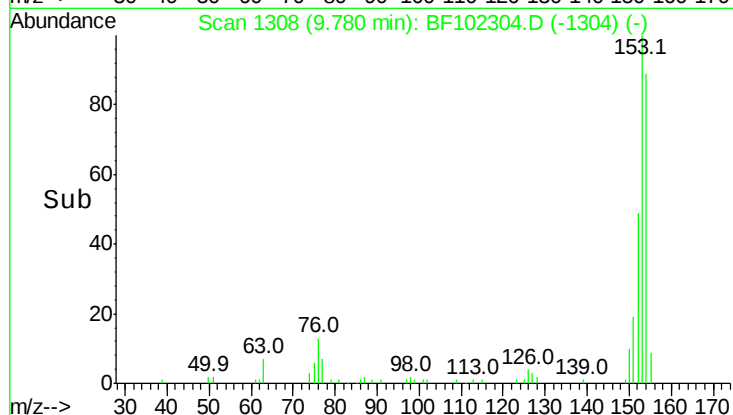
Tot Ion:154 Resp: 32954

Ion Ratio Lower Upper

154 100

153 111.9 91.2 136.8

152 54.5 43.8 65.8



#55

4-Nitrophenol

Concen: 1.576 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.07 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

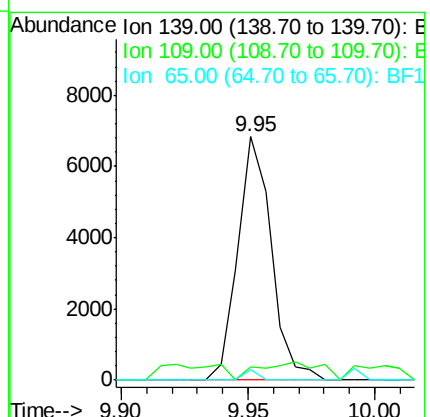
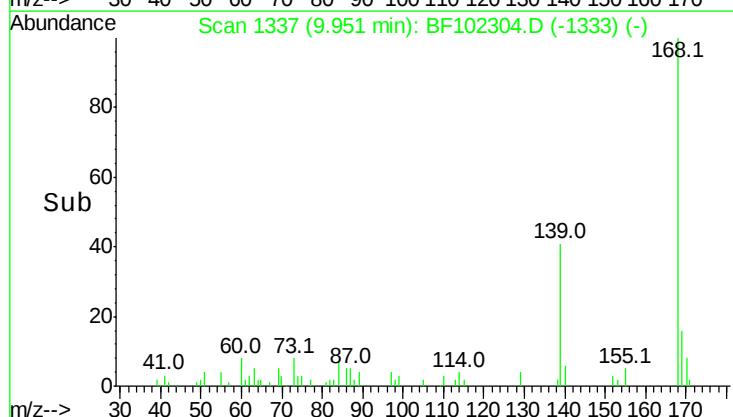
Tgt Ion:139 Resp: 6291

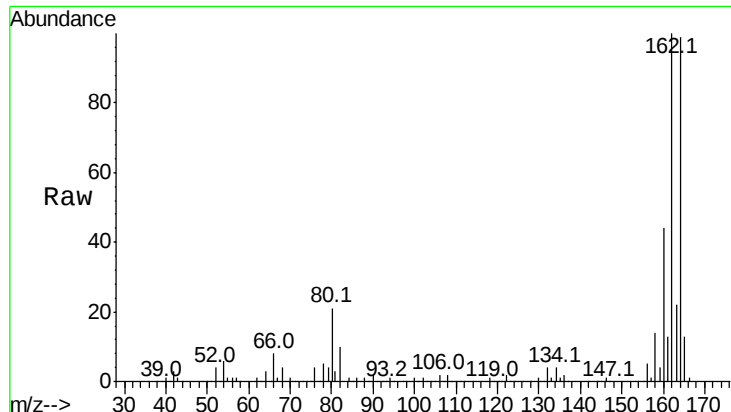
Ion Ratio Lower Upper

139 100

109 5.4 48.4 88.4#

65 4.5 72.6 112.6#

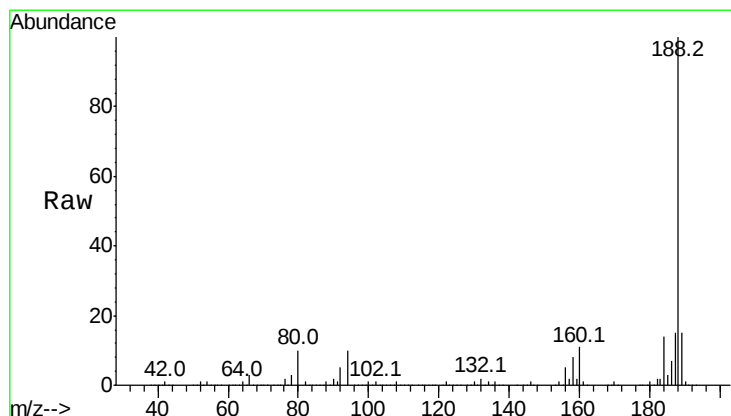
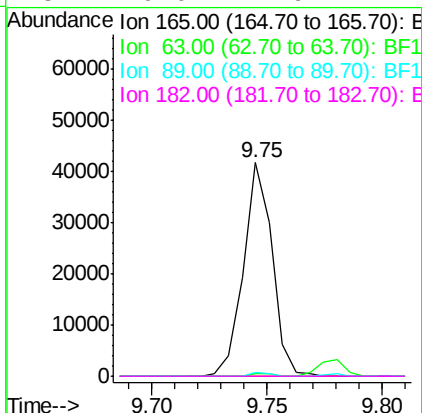
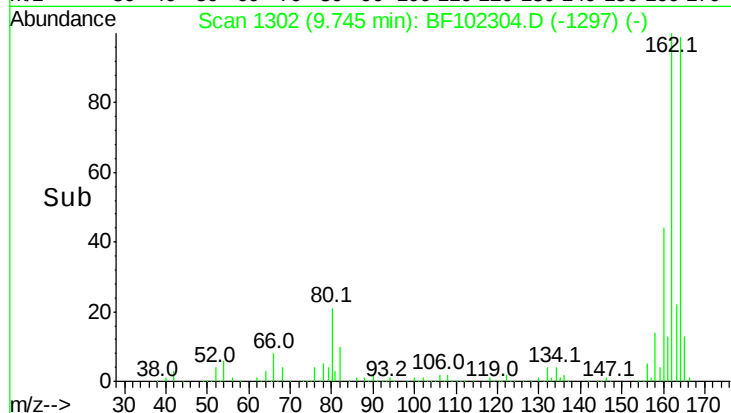




#56
 2,4-Dinitrotoluene
 Concen: 5.766 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

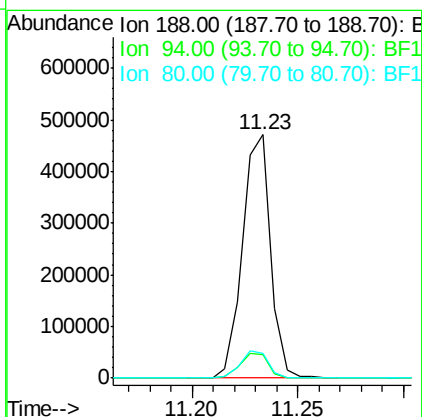
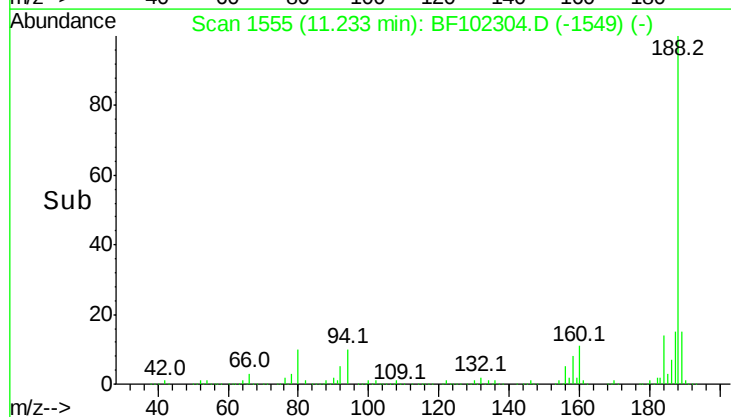
Instrument :
 BNA_F
 ClientSampleId :

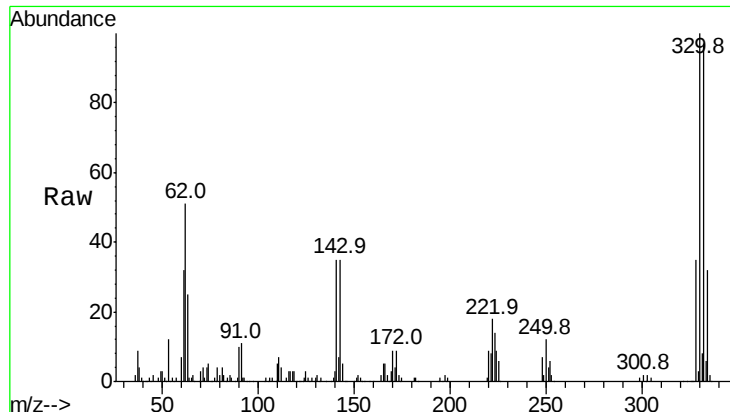
Tot Ion:165 Resp: 36256
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:188 Resp: 432567
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 9.9 9.2 13.8





#66

4-Bromophenyl-phenylether

Concen: 3.355 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.24 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

ClientSampleId :

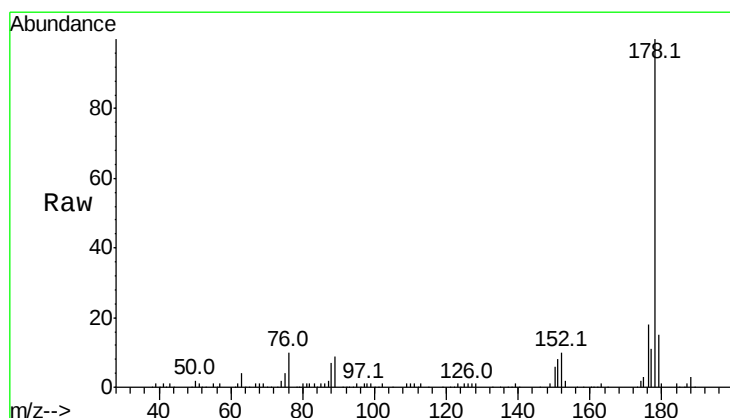
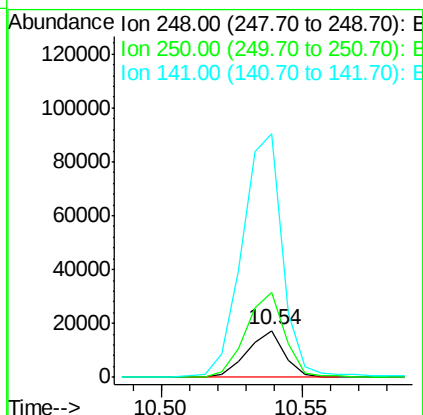
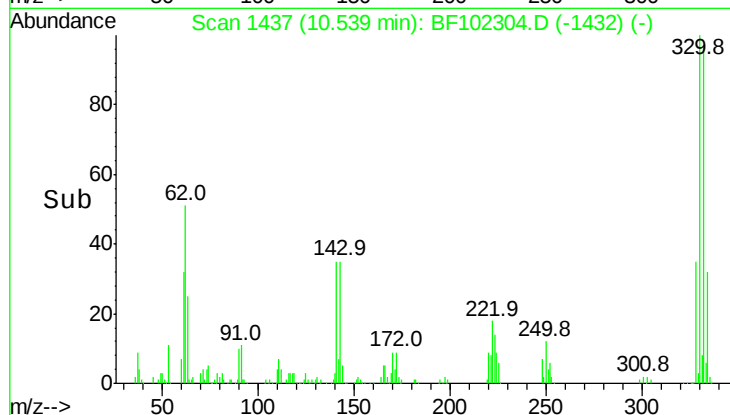
Tot Ion:248 Resp: 15622

Ion Ratio Lower Upper

248 100

250 182.8 76.9 115.3#

141 522.9 74.4 111.6#



#70

Phenanthrene

Concen: 5.444 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

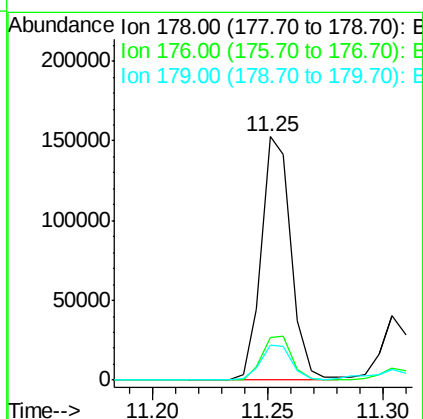
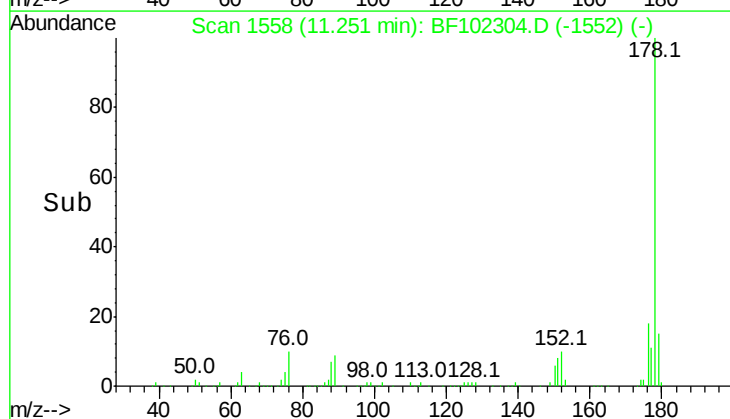
Tgt Ion:178 Resp: 137226

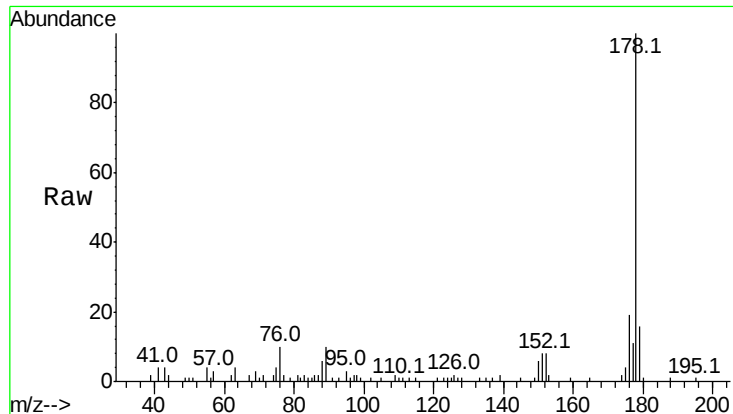
Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

179 14.6 13.0 19.6

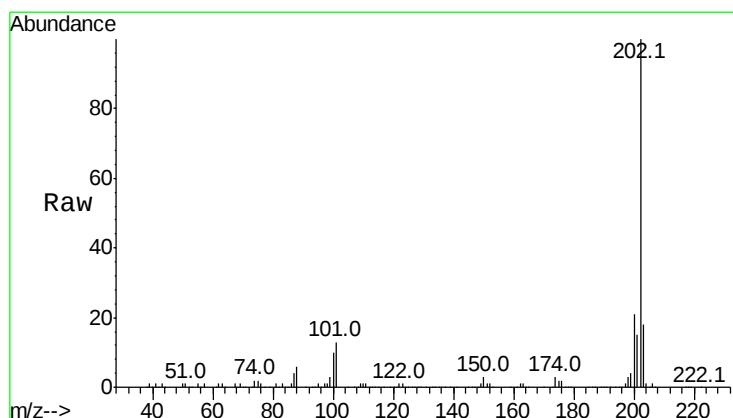
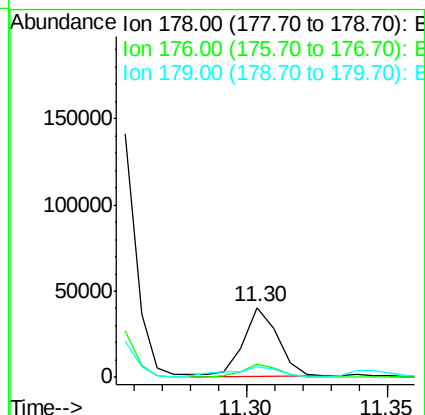
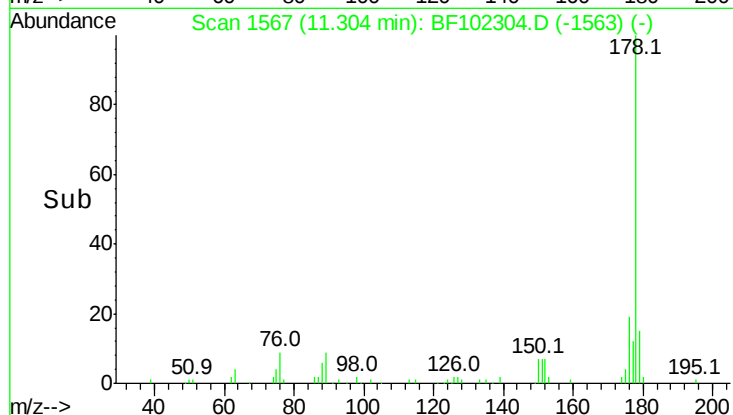




#71
 Anthracene
 Concen: 1.316 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

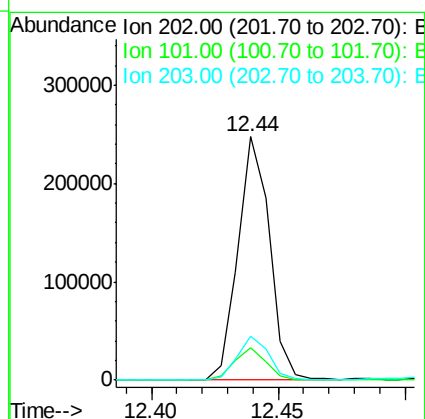
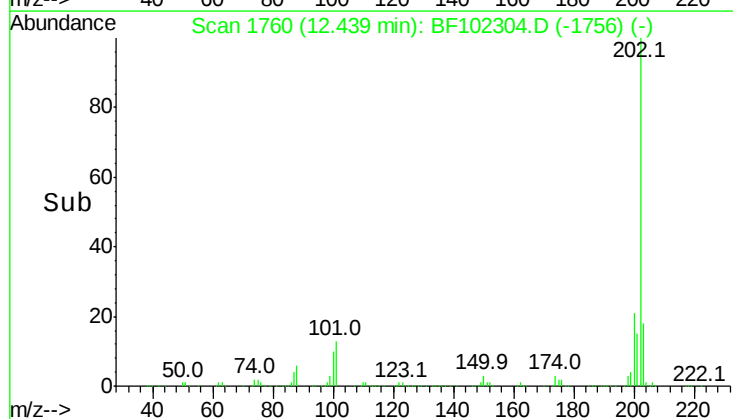
Instrument :
 BNA_F
 ClientSampleId :

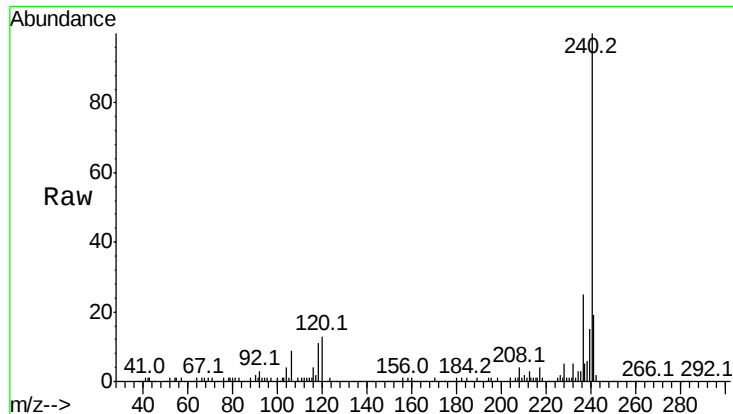
Tot Ion:178 Resp: 33851
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.8 12.6 19.0



#74
 Fluoranthene
 Concen: 8.341 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:202 Resp: 214401
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 34.1
 203 18.0 0.0 38.1

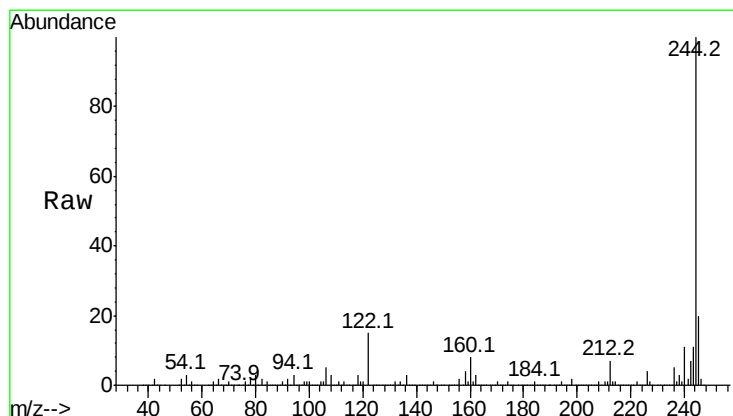
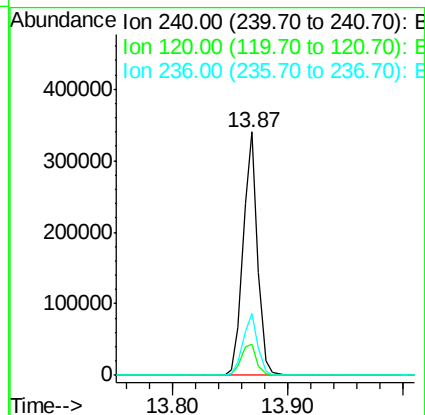
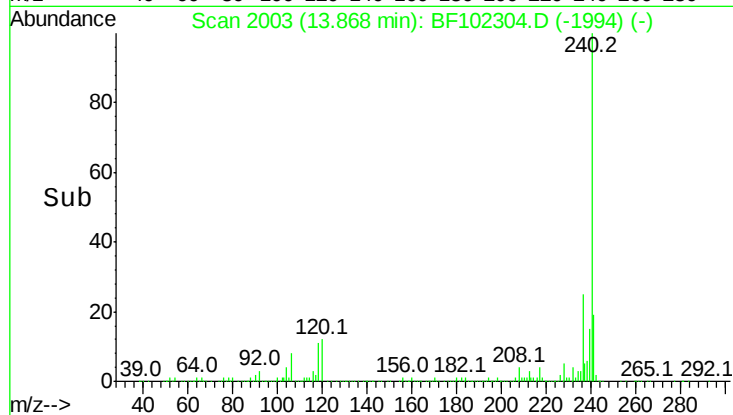




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

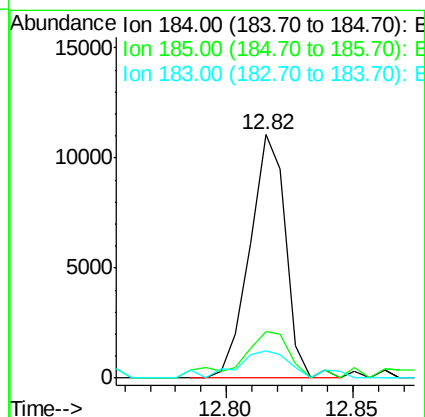
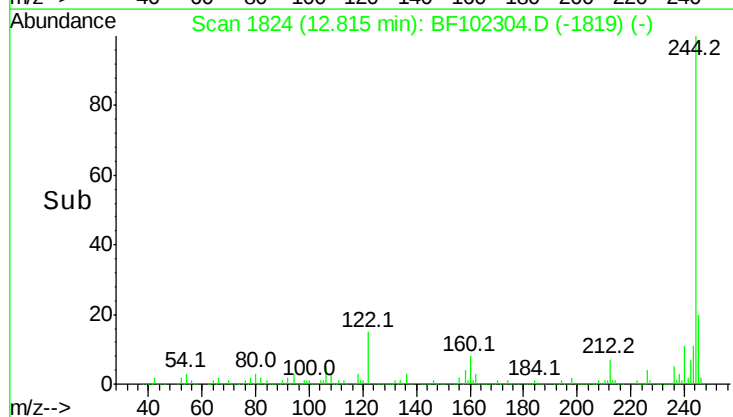
Instrument :
 BNA_F
 ClientSampleId :

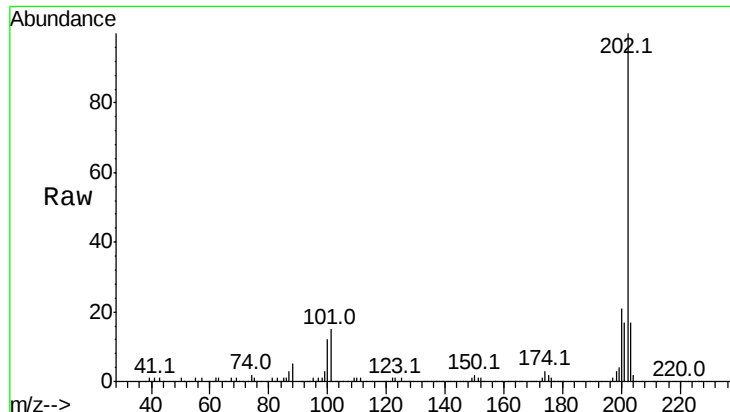
Tot Ion:240 Resp: 294164
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.4 20.7 31.1



#76
 Benzidine
 Concen: 1.099 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.24 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:184 Resp: 10859
 Ion Ratio Lower Upper
 184 100
 185 19.2 12.6 18.8#
 183 11.3 9.3 13.9

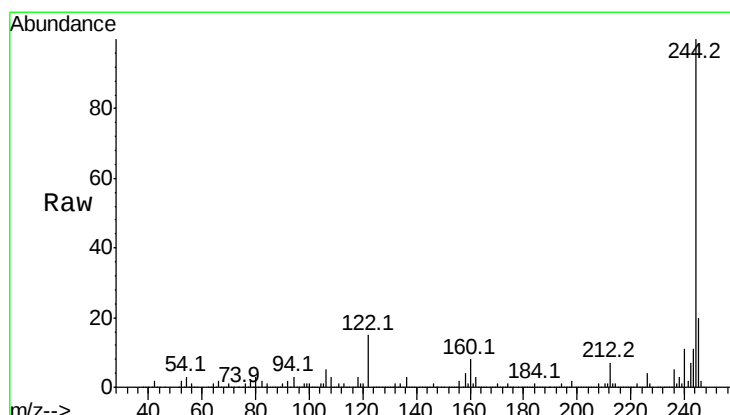
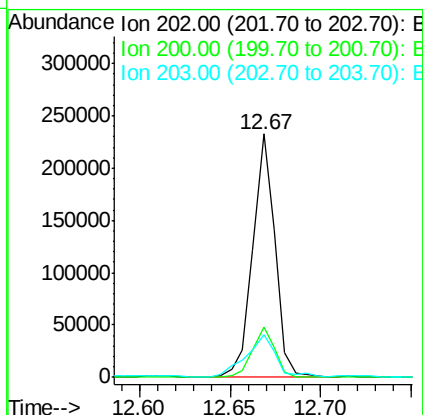
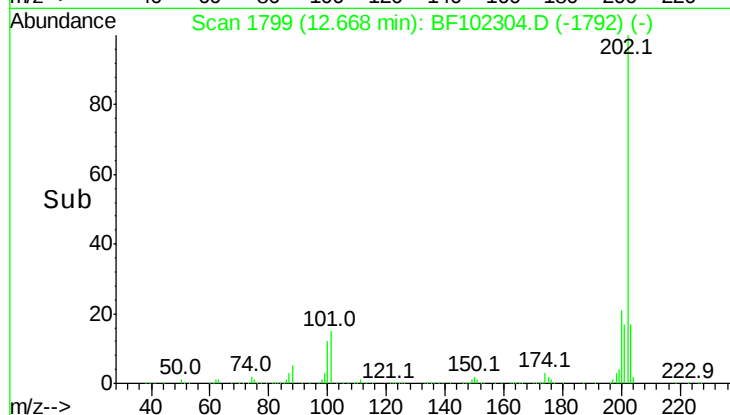




#77
 Pvrene
 Concen: 8.643 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

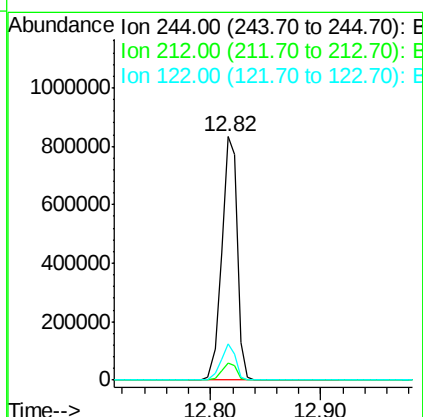
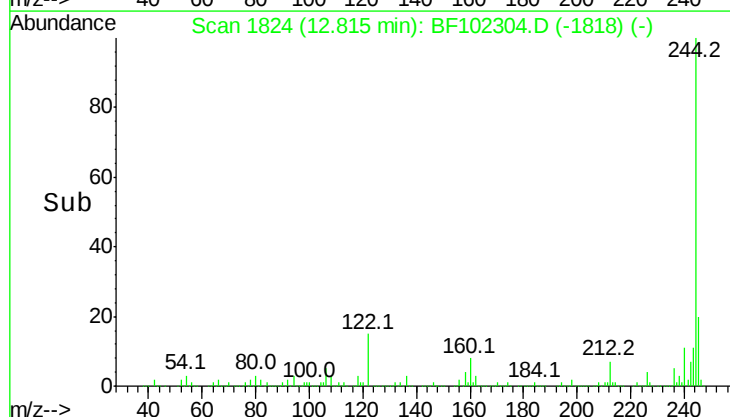
Instrument :
 BNA_F
 ClientSampleId :

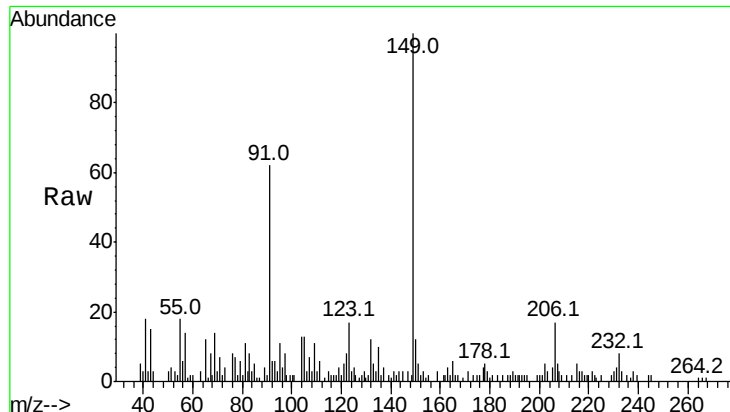
Tot Ion:202 Resp: 196577
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 17.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 62.432 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:244 Resp: 814651
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 15.0 11.0 16.4

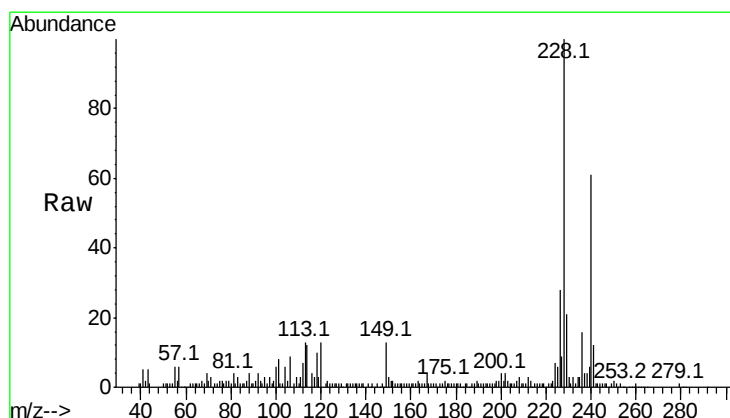
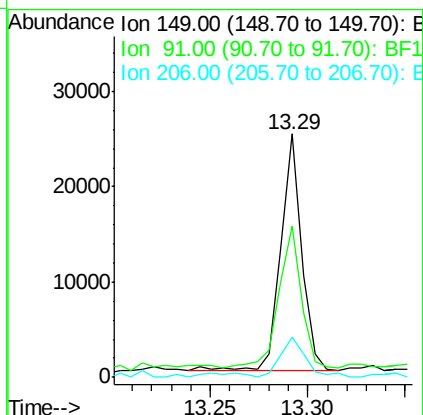
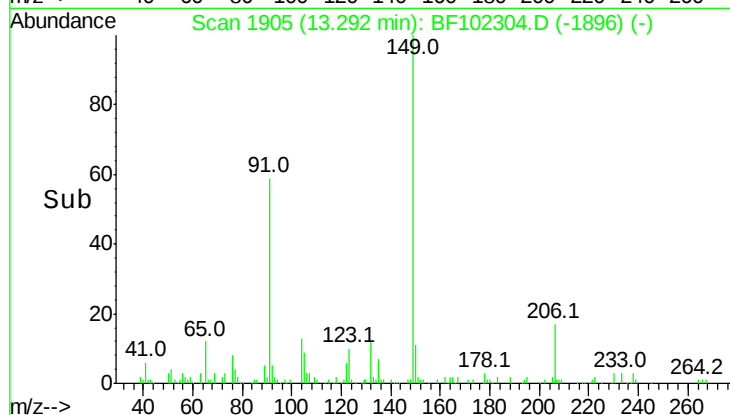




#79
 Butylbenzylphthalate
 Concen: 1.659 ng
 RT: 13.29 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

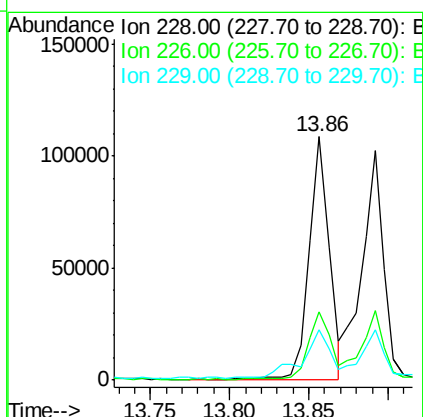
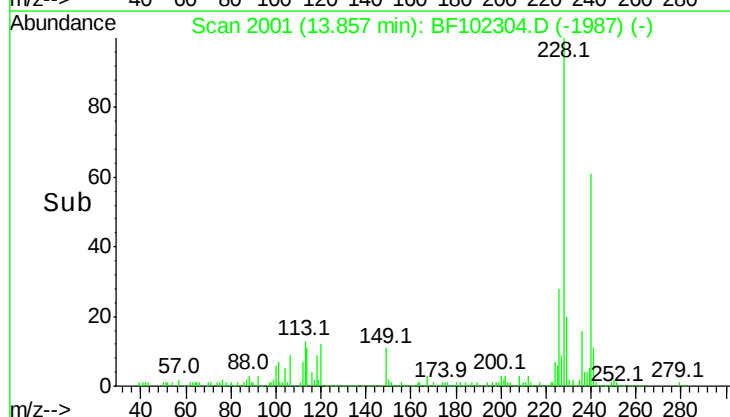
Instrument :
 BNA_F
 ClientSampleId :

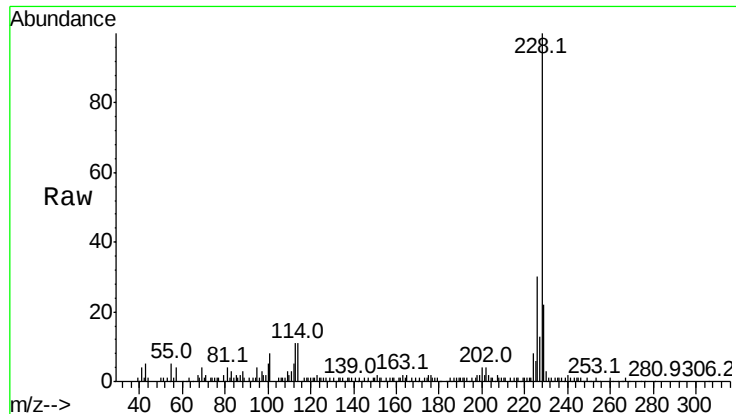
Tot Ion:	149	Resp:	18783
Ion Ratio	Lower	Upper	
149	100		
91	62.1	56.8	85.2
206	16.6	14.1	21.1



#80
 Benzo(a)anthracene
 Concen: 5.337 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion:	228	Resp:	96652
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	20.9	15.8	23.6

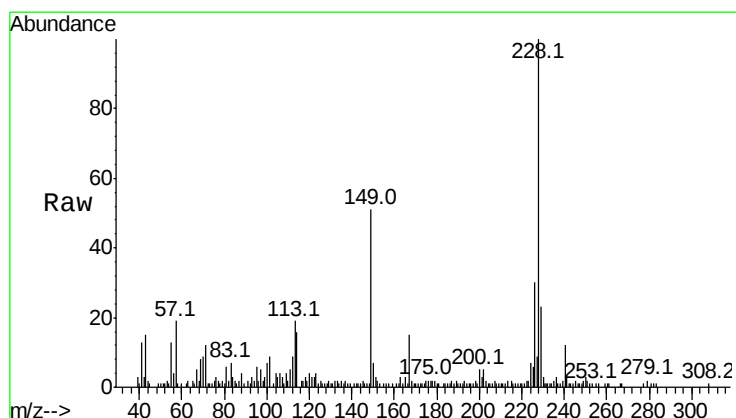
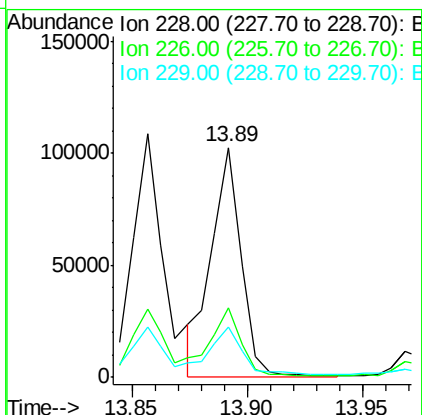
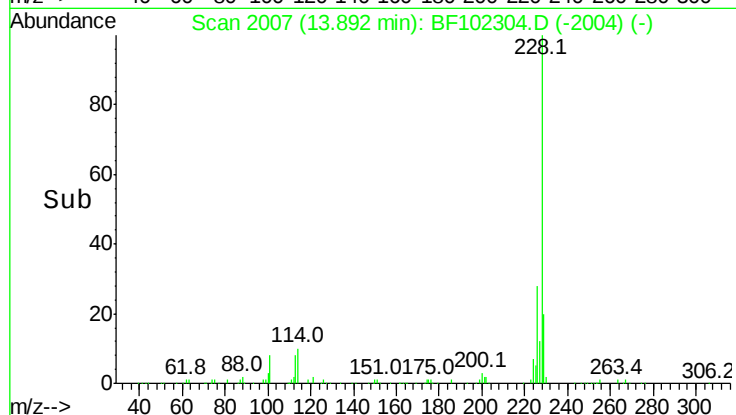




#82
Chrysene
Concen: 4.971 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

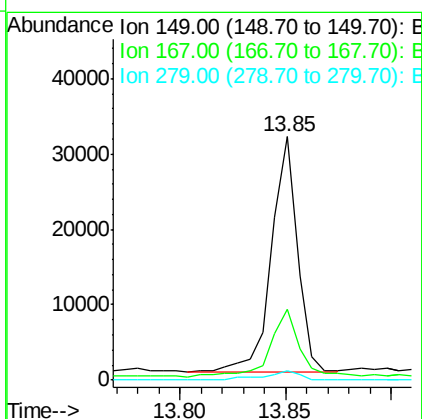
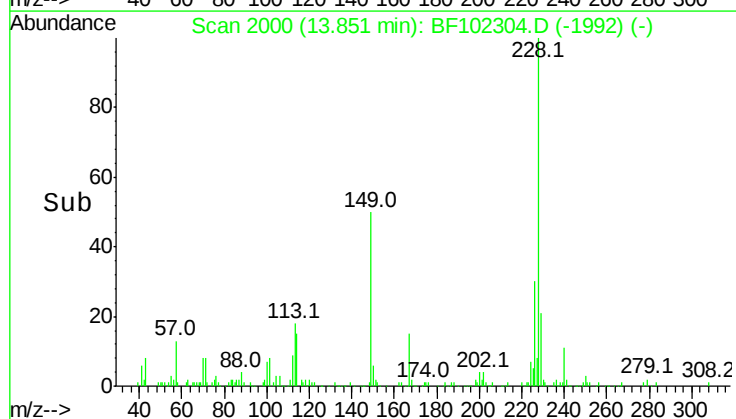
Instrument :
BNA_F
ClientSampled :

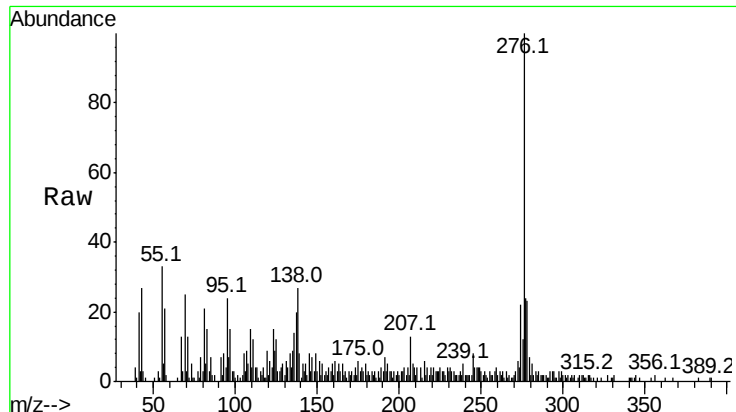
Tot Ion:228 Resp: 91421
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.9 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.771 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.00 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:149 Resp: 26937
Ion Ratio Lower Upper
149 100
167 29.3 21.3 31.9
279 3.6 3.0 4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.002 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

ClientSampleId :

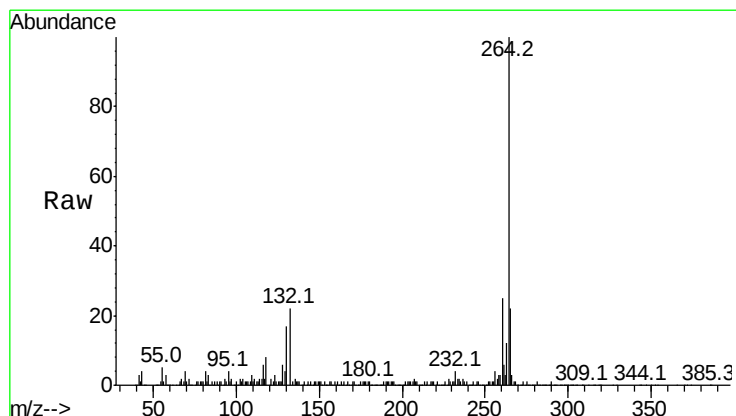
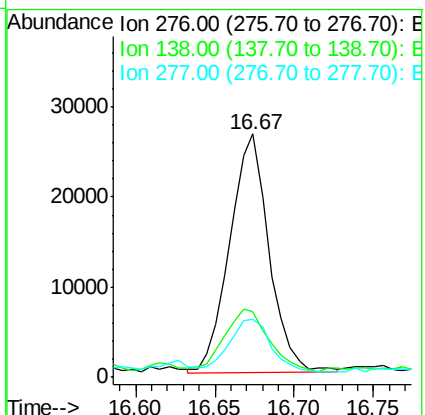
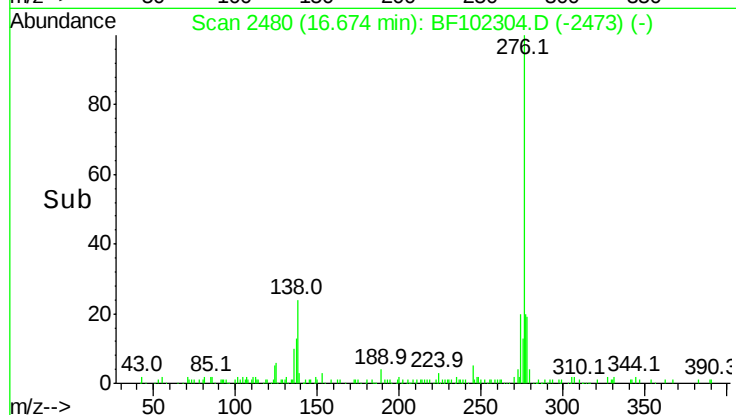
Tot Ion:276 Resp: 45592

Ion Ratio Lower Upper

276 100

138 29.5 25.0 37.6

277 23.2 20.1 30.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

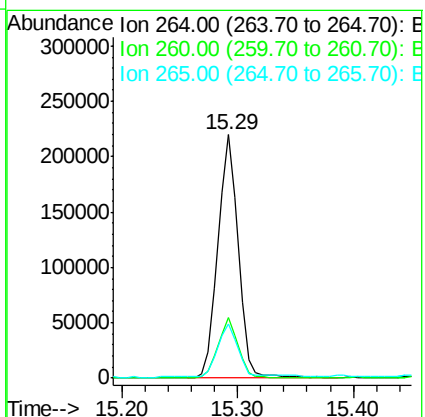
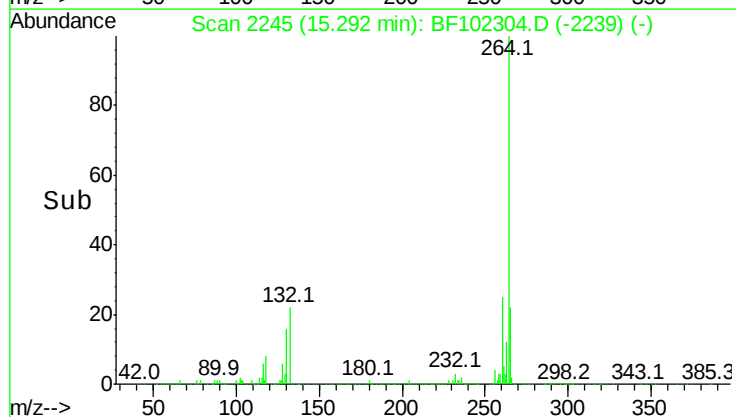
Tgt Ion:264 Resp: 267360

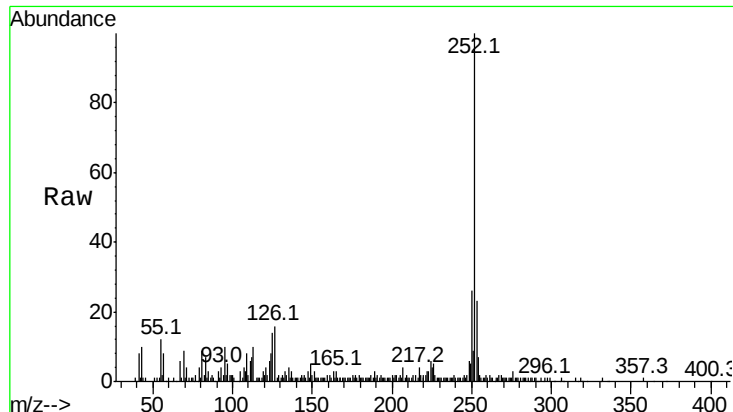
Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.4 17.5 26.3

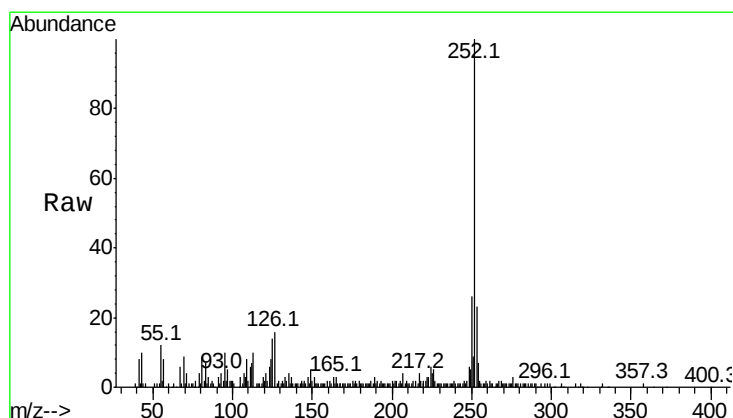
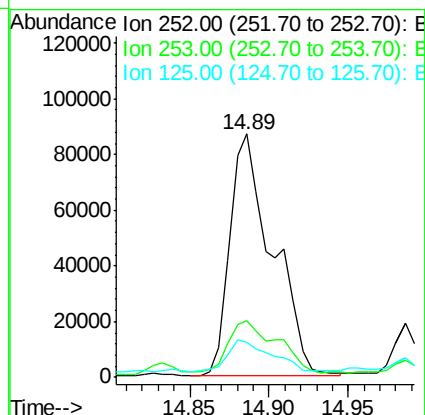
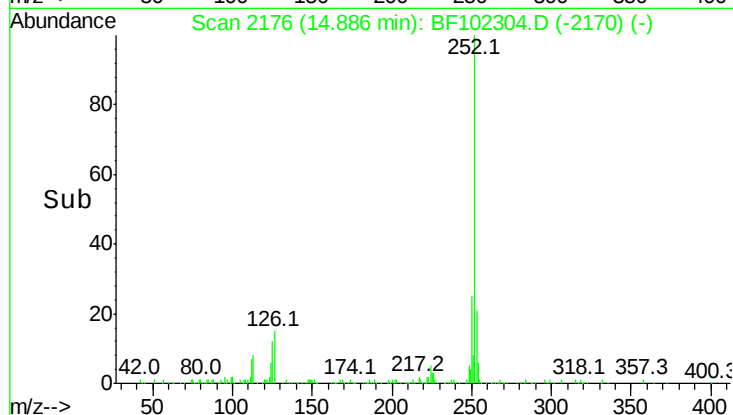




#87
Benzo(b)fluoranthene
Concen: 9.384 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

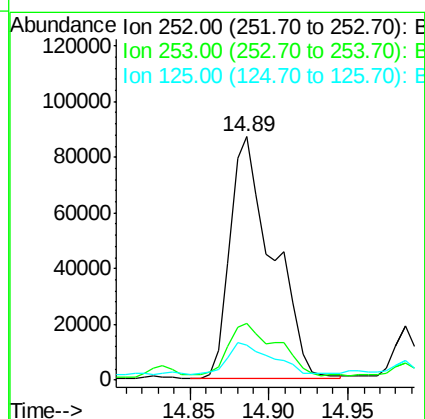
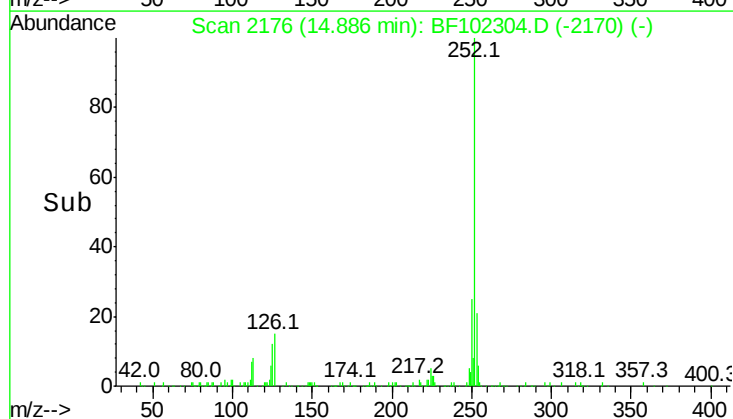
Instrument :
BNA_F
ClientSampleId :

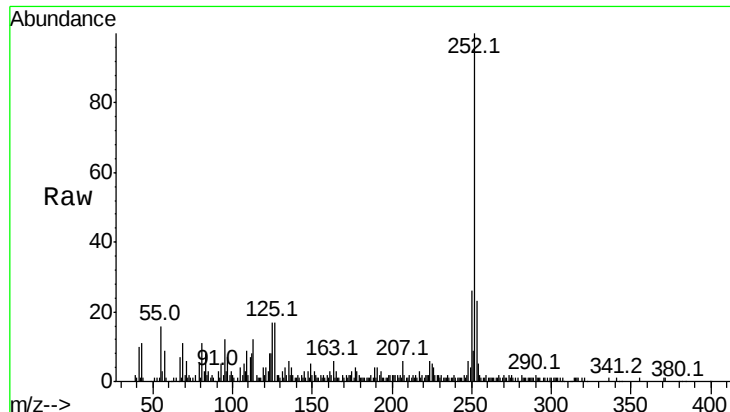
Tot Ion:252 Resp: 162615
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 14.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.932 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.04 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:252 Resp: 162615
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 14.2 10.2 15.2

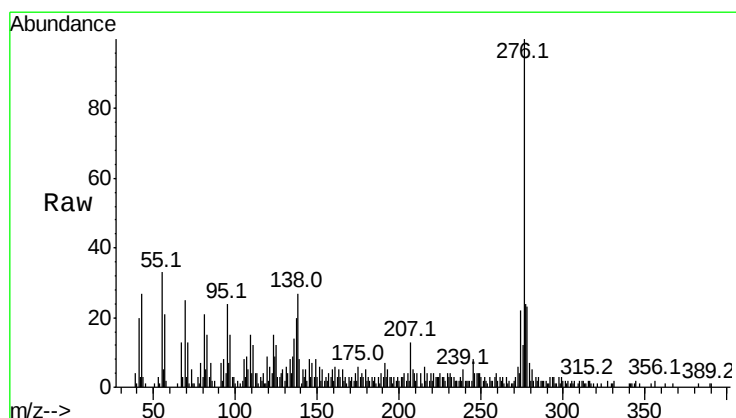
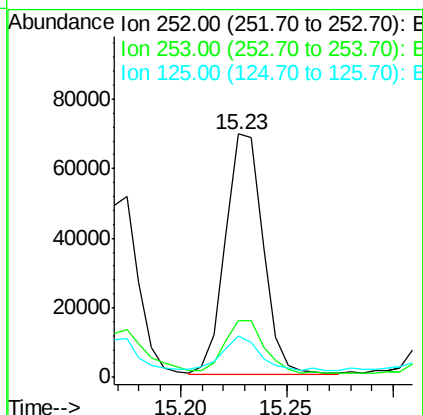
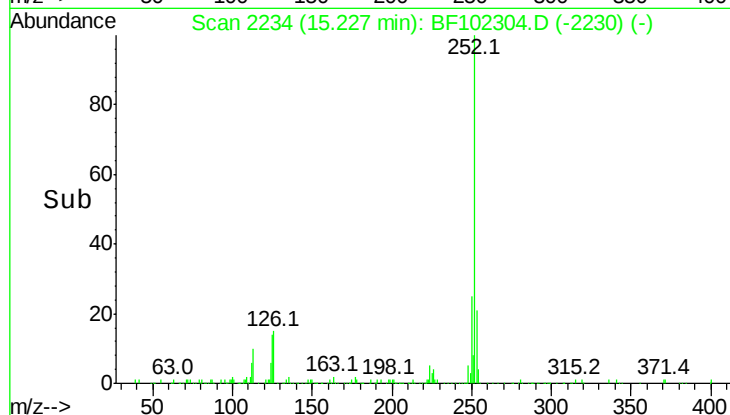




#89
Benzo(a)pyrene
Concen: 5.453 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

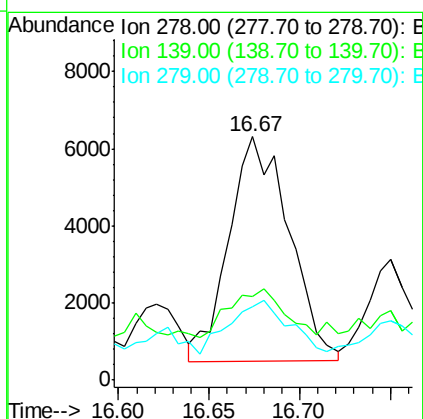
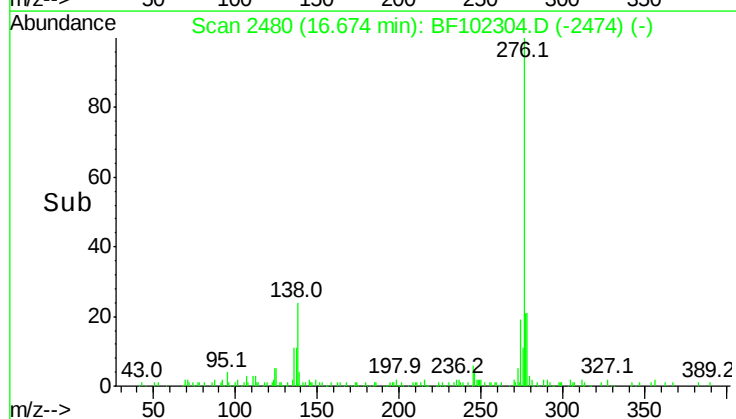
Instrument :
BNA_F
ClientSampleId :

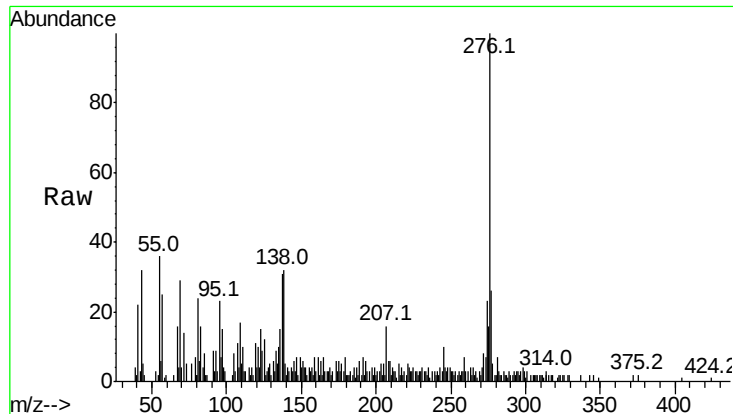
Tot Ion:252 Resp: 85223
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 17.0 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 1.063 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.02 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:278 Resp: 13454
Ion Ratio Lower Upper
278 100
139 34.2 15.9 23.9#
279 30.1 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 3.460 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 43246
 Ion Ratio Lower Upper
 276 100
 277 26.5 17.9 26.9
 138 32.2 21.8 32.8

