

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102313.D
 Acq On : 22 Jan 2018 21:37
 Operator : SJ/JU
 Sample : J1238-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:11:25 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	6.72	152	133318	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	544318	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	222588	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	334644	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257393	20.00	ng	0.00
86) Perylene-d12	15.30	264	211858	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	936487	106.51	ng	0.00
7) Phenol-d6	6.36	99	1132469	106.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	687778	72.61	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	204993	92.95	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1055183	69.70	ng	0.00
78) Terphenyl-d14	12.82	244	704227	61.68	ng	0.00

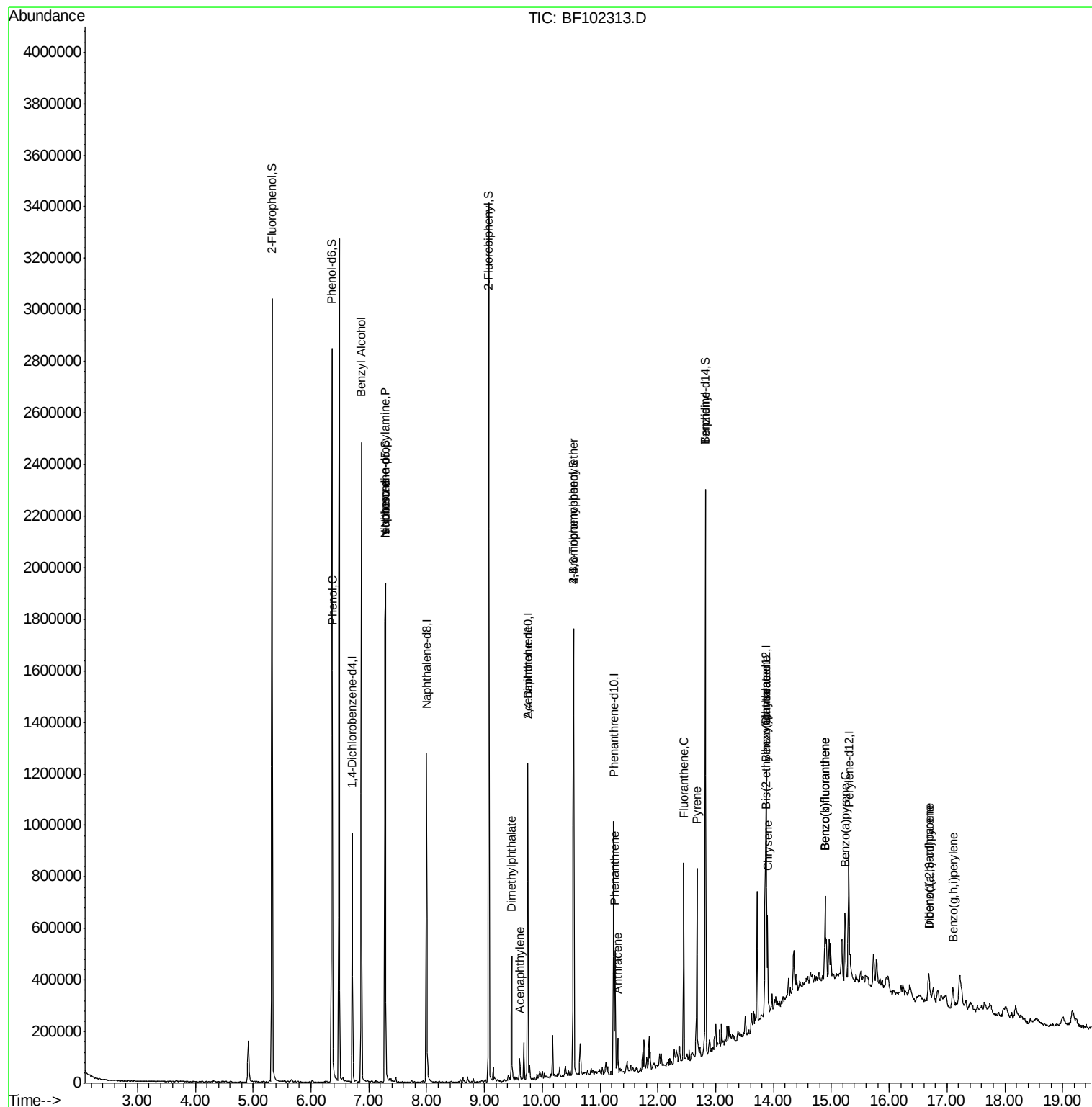
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	46764	4.041	ng	98
15) Benzyl Alcohol	6.87	79	10918	1.460	ng	# 38
19) n-Nitroso-di-n-propylamine	7.29	70	90314	13.922	ng	# 79
25) Isophorone	7.29	82	681316	40.348	ng	# 64
48) Acenaphthylene	9.61	152	32887	1.365	ng	98
49) Dimethylphthalate	9.47	163	169775	9.228	ng	99
56) 2,4-Dinitrotoluene	9.75	165	28762	5.896	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	13285	3.688	ng	# 1
70) Phenanthrene	11.26	178	148152	7.597	ng	97
71) Anthracene	11.31	178	48699	2.447	ng	97
74) Fluoranthene	12.44	202	268904	13.522	ng	99
76) Benzidine	12.82	184	8999	1.041	ng	# 89
77) Pvrene	12.67	202	269349	13.535	ng	98
80) Benzo(a)anthracene	13.86	228	150093	9.471	ng	97
82) Chrysene	13.90	228	132976	8.263	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	109273	8.210	ng	100
85) Indeno(1,2,3-cd)pyrene	16.69	276	57869	4.354	ng	97
87) Benzo(b)fluoranthene	14.89	252	216126	15.739	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	216126	16.659	ng	98
89) Benzo(a)pyrene	15.24	252	108640	8.772	ng	# 95
90) Dibenzo(a,h)anthracene	16.70	278	14658	1.461	ng	# 80
91) Benzo(g,h,i)perylene	17.10	276	57849	5.840	ng	95

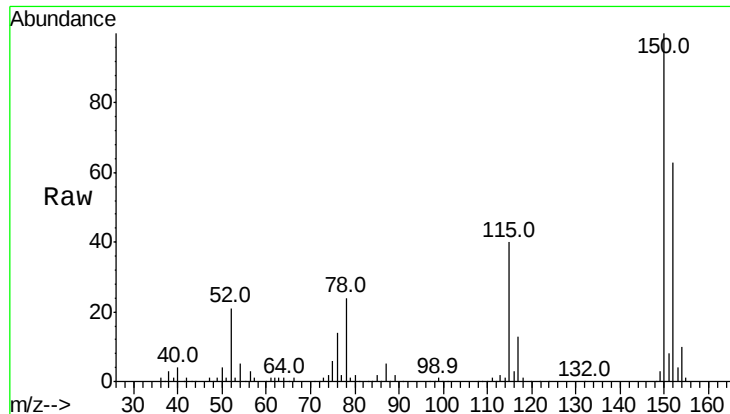
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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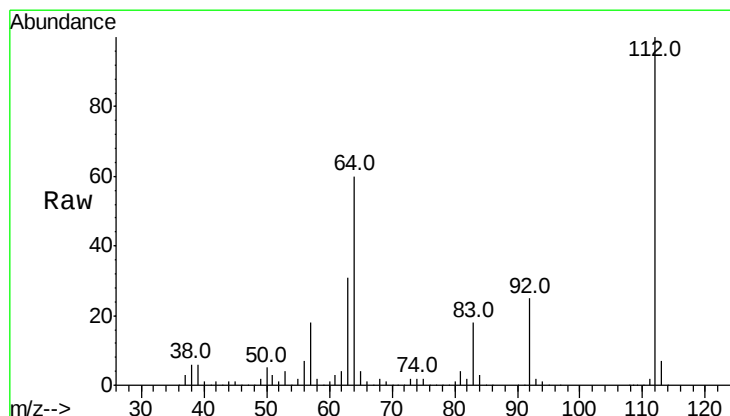
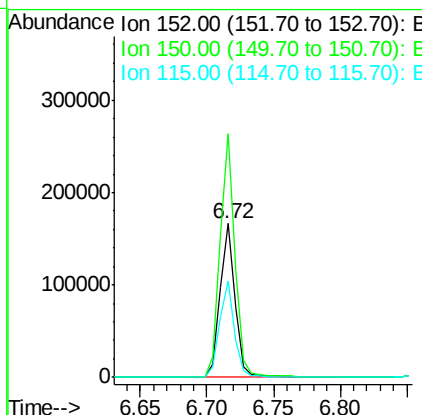
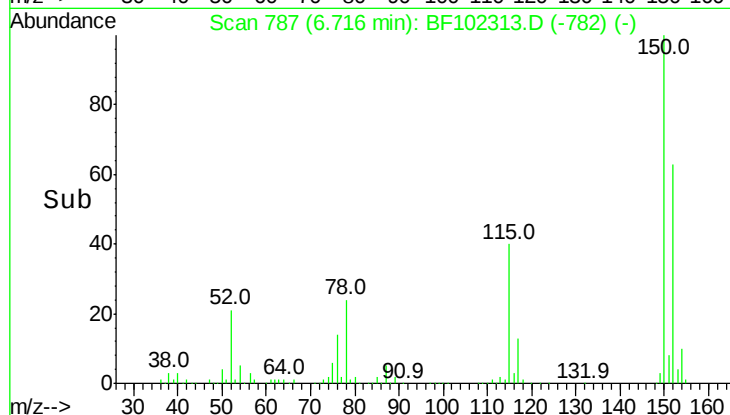




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

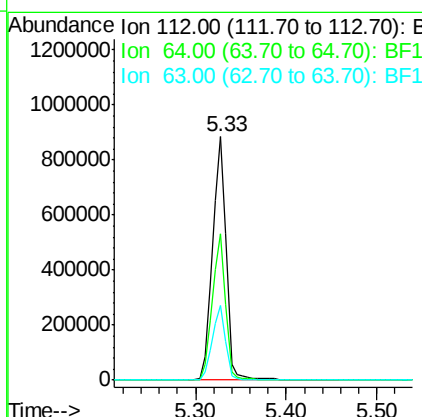
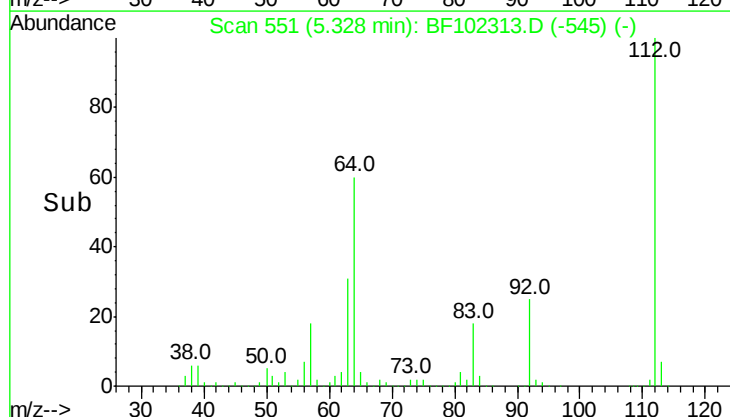
Instrument :
 BNA_F
 ClientSampleId :

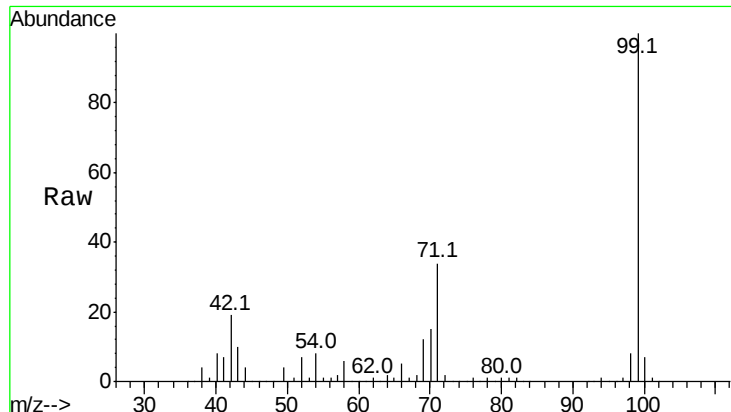
Tot Ion:152 Resp: 133318
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 63.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 106.509 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:112 Resp: 936487
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.9 71.9
 63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 106.834 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

ClientSampleId :

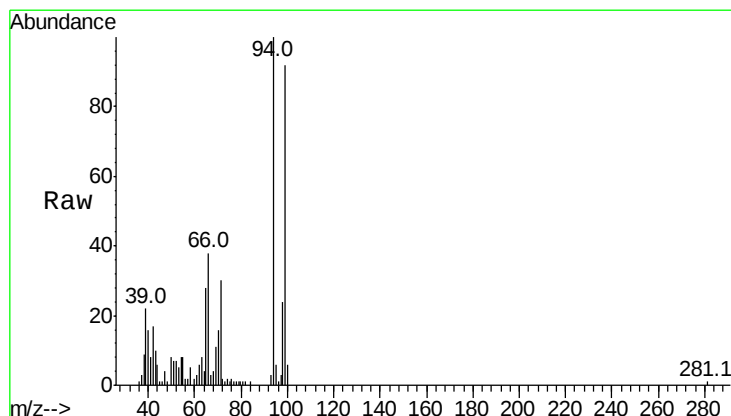
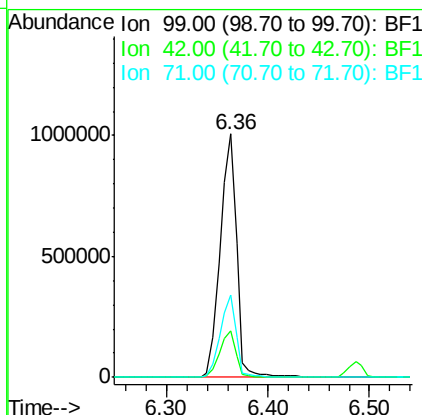
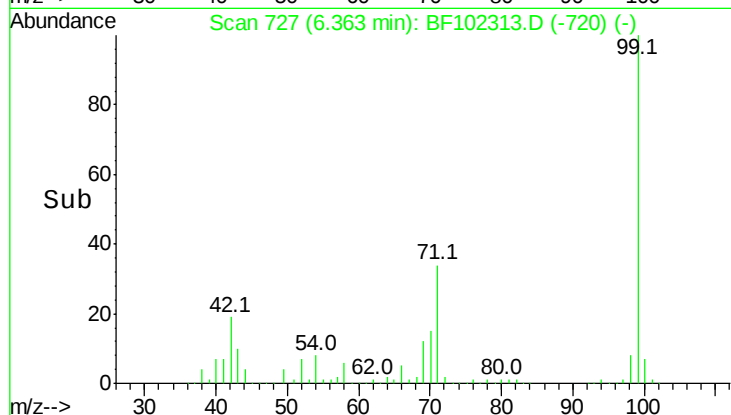
Tot Ion: 99 Resp: 1132469

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 4.041 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

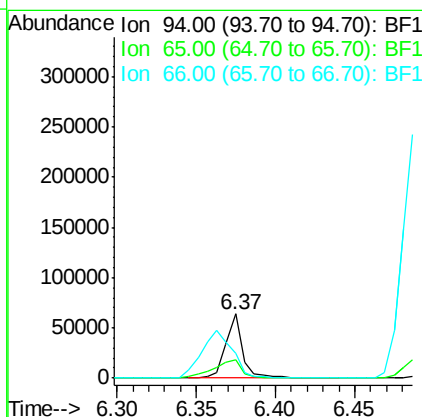
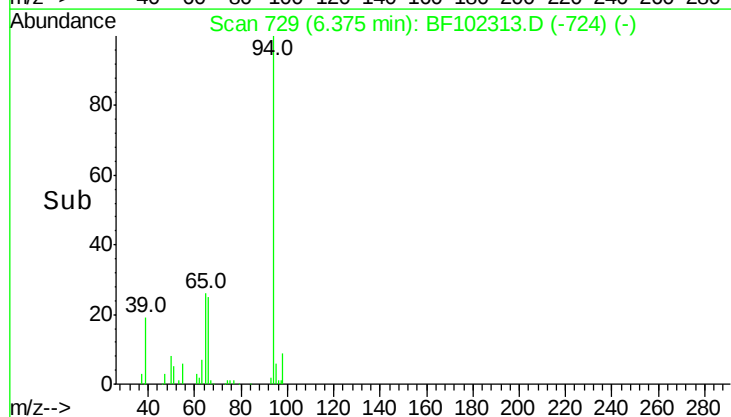
Tgt Ion: 94 Resp: 46764

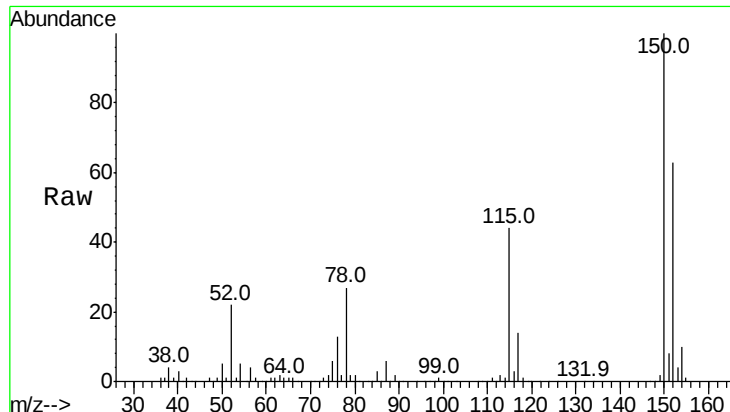
Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 37.8 16.2 56.2





#15

Benzyl Alcohol

Concen: 1.460 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

ClientSampled :

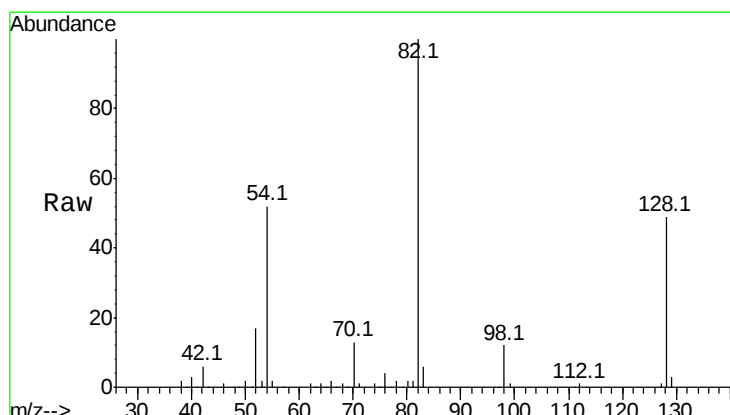
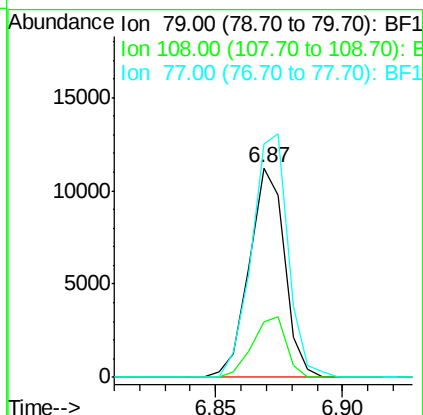
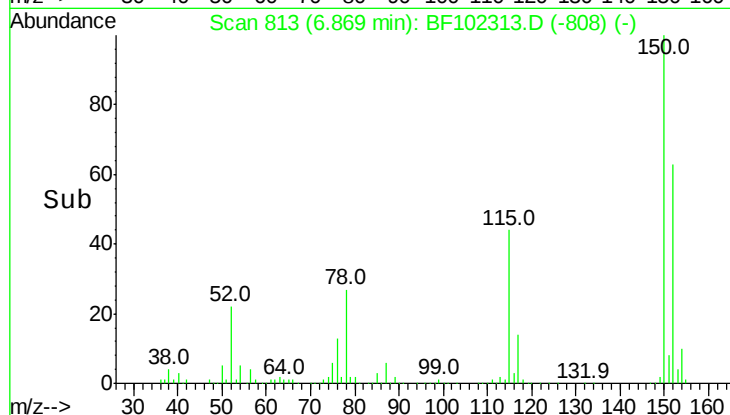
Tot Ion: 79 Resp: 10918

Ion Ratio Lower Upper

79 100

108 26.8 65.1 97.7#

77 111.3 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.922 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Tgt Ion: 70 Resp: 90314

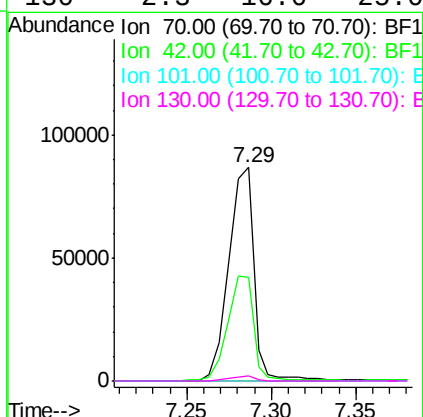
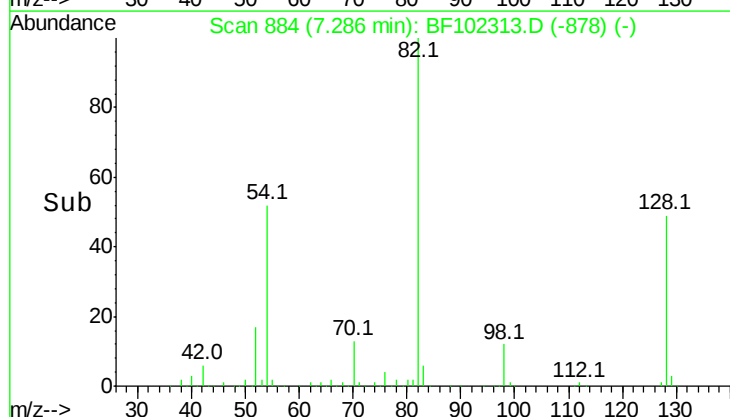
Ion Ratio Lower Upper

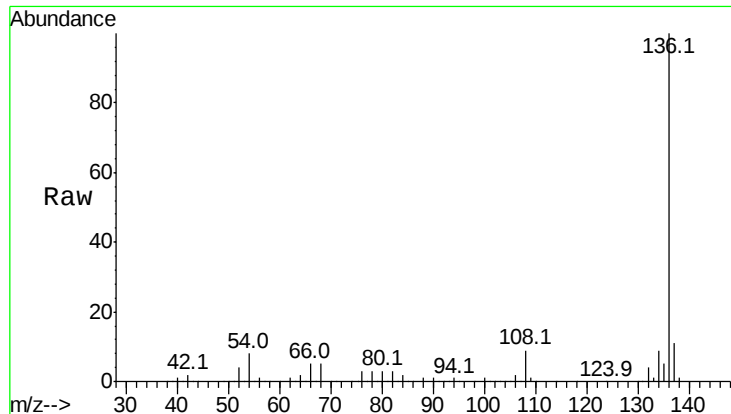
70 100

42 48.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

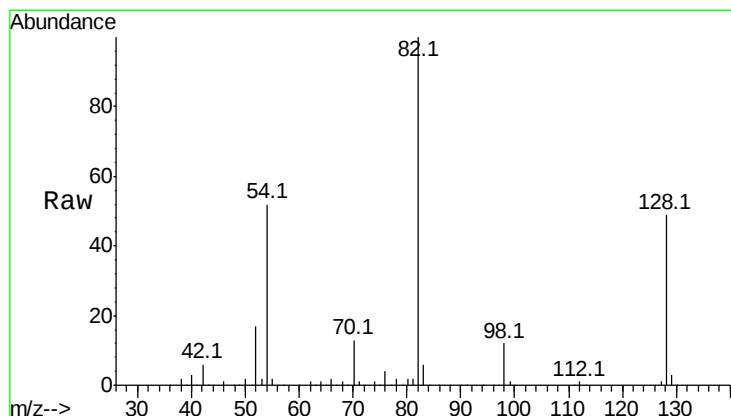
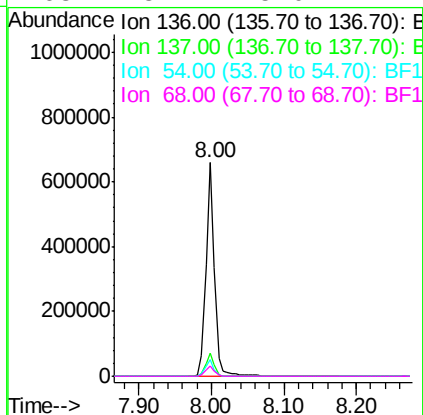
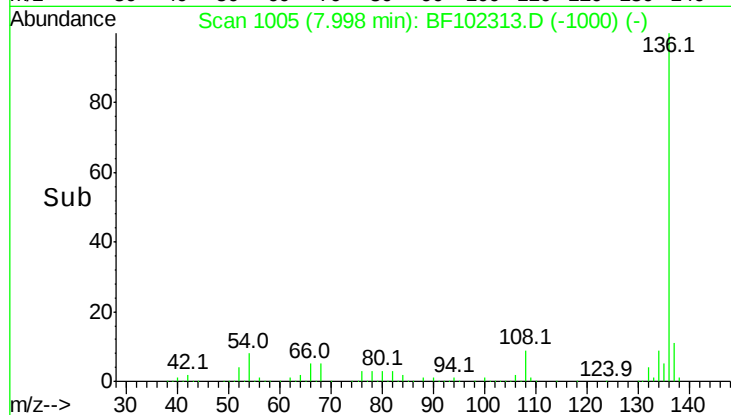




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

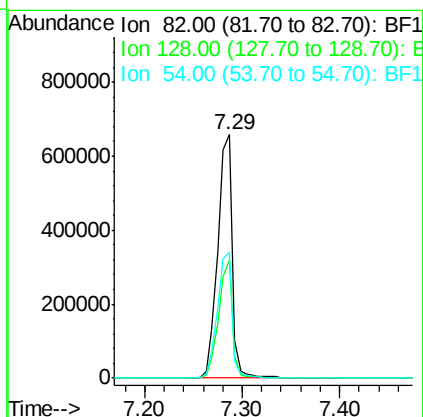
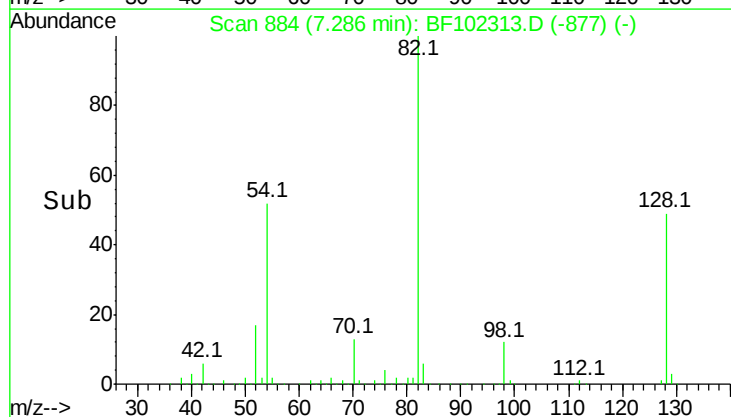
Instrument :
BNA_F
ClientSampleId :

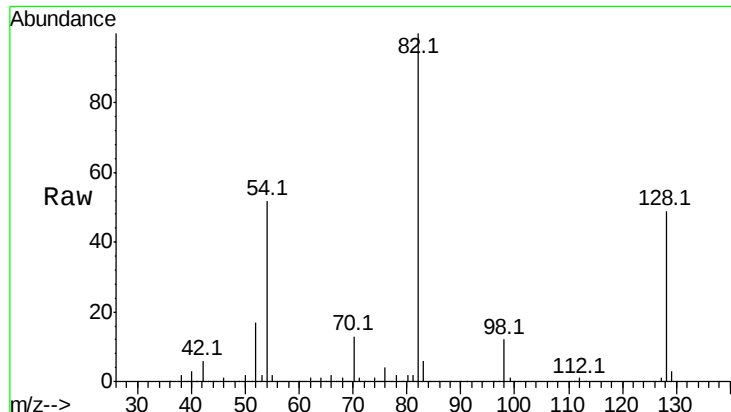
Tot Ion:136 Resp: 544318
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.5 6.6 9.8
68 5.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 72.613 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion: 82 Resp: 687778
Ion Ratio Lower Upper
82 100
128 48.8 36.1 54.1
54 51.8 41.4 62.2

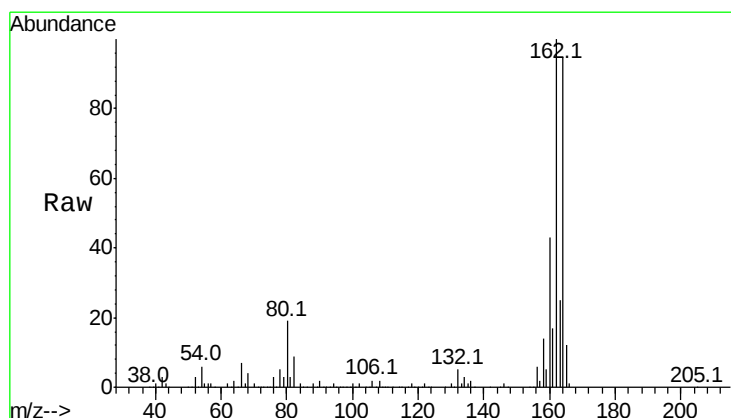
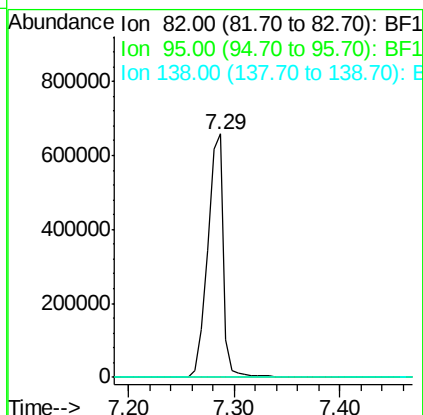
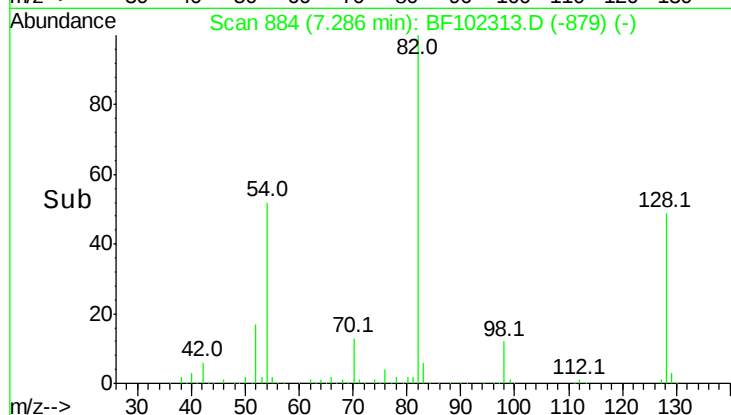




#25
Isophorone
Concen: 40.348 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

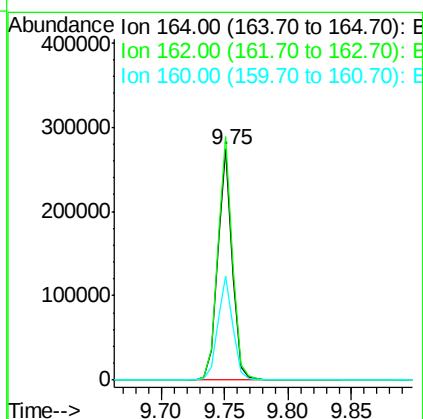
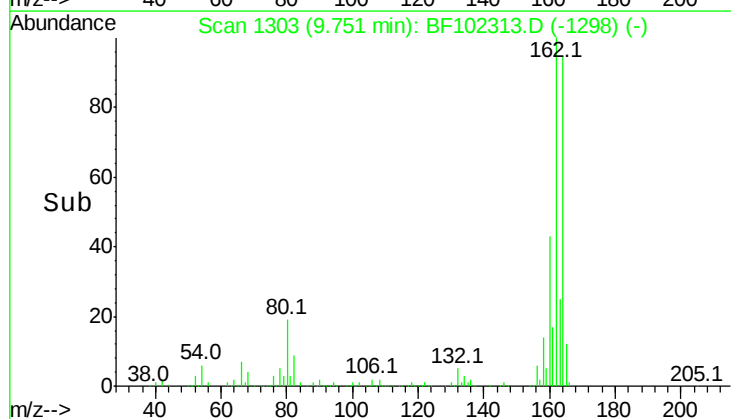
Instrument :
BNA_F
ClientSampleId :

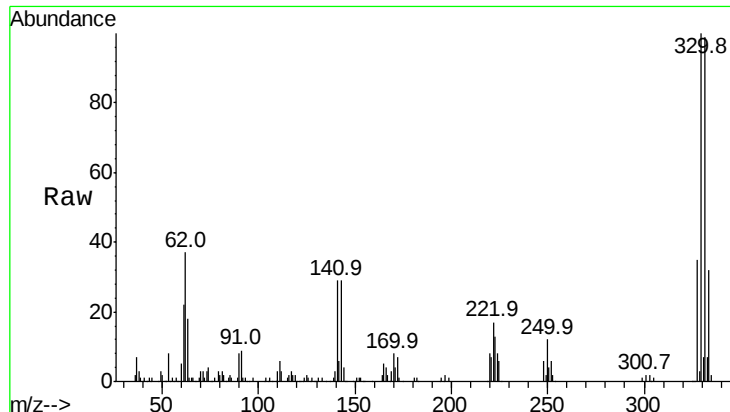
Tot Ion: 82 Resp: 681316
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion:164 Resp: 222588
Ion Ratio Lower Upper
164 100
162 105.8 86.1 129.1
160 45.1 38.3 57.5

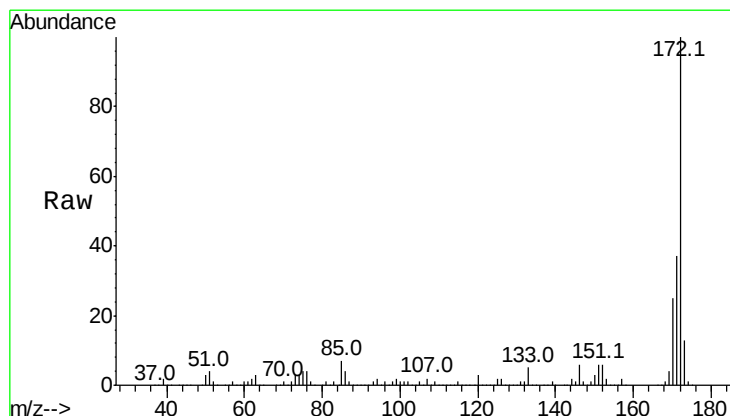
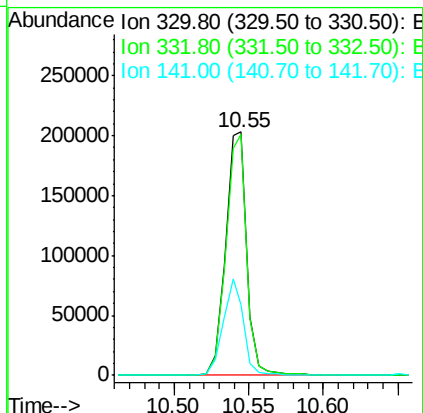
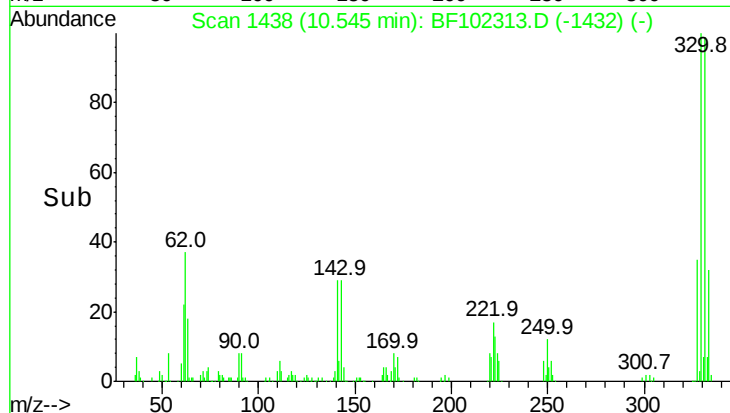




#41
 2,4,6-Tribromophenol
 Concen: 92.945 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

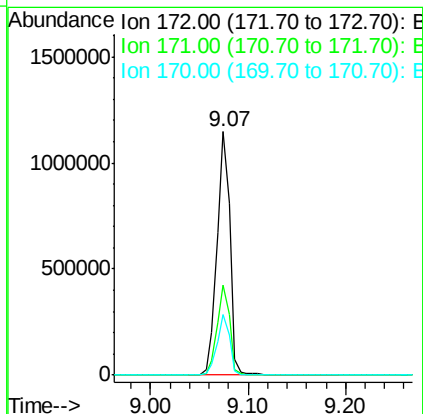
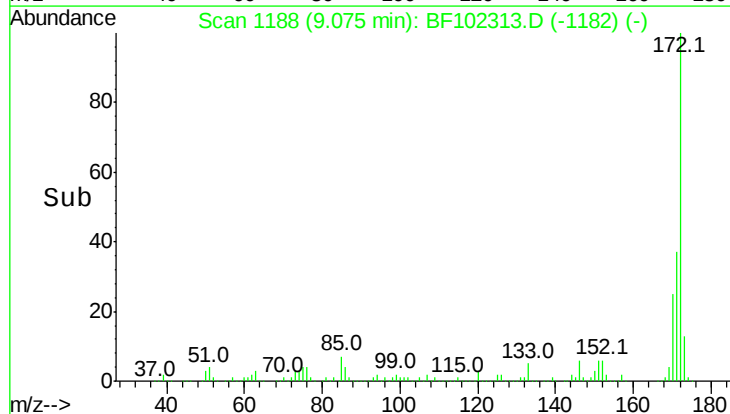
Instrument :
 BNA_F
 ClientSampleId :

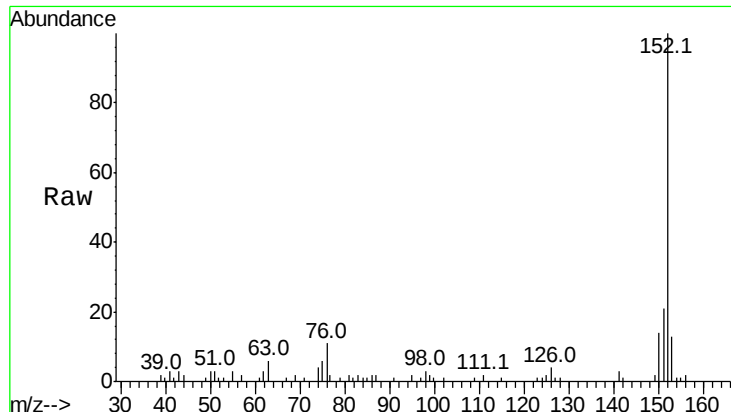
Tot Ion:	330	Resp:	204993
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	38.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 69.702 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:	172	Resp:	1055183
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.7	44.5
170	24.7	19.6	29.4





#48

Acenaphthylene

Concen: 1.365 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

ClientSampleId :

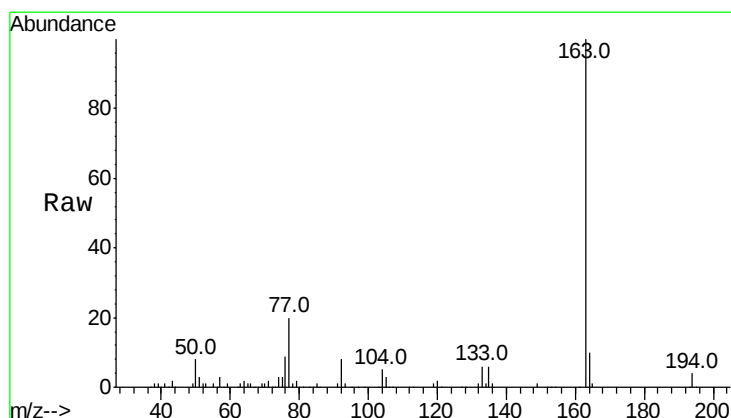
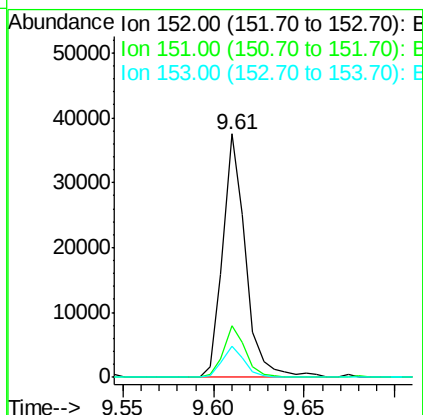
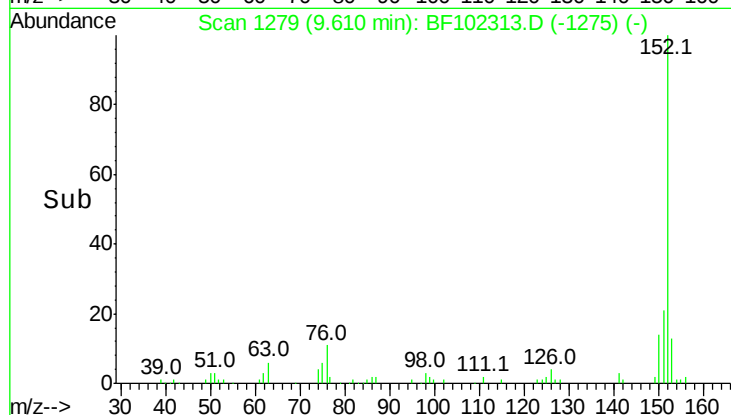
Tot Ion:152 Resp: 32887

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

153 13.1 10.7 16.1



#49

Dimethylphthalate

Concen: 9.228 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

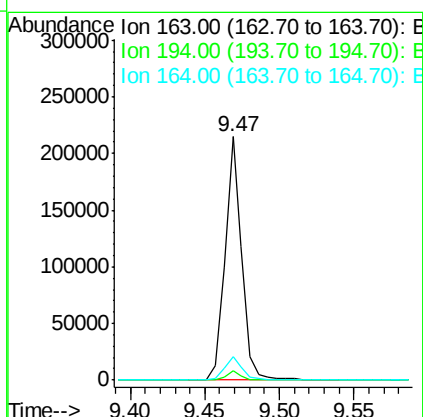
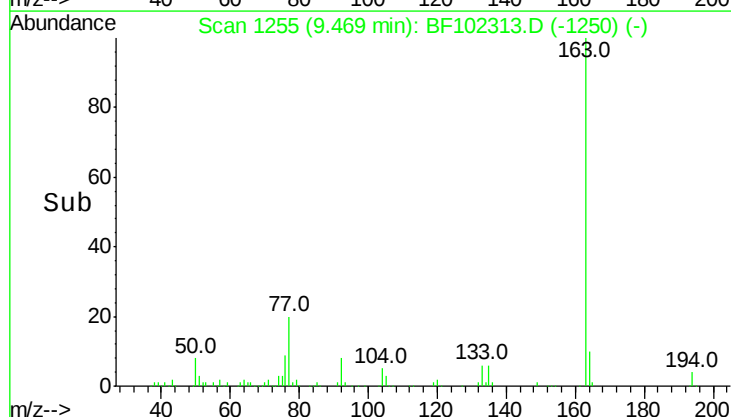
Tgt Ion:163 Resp: 169775

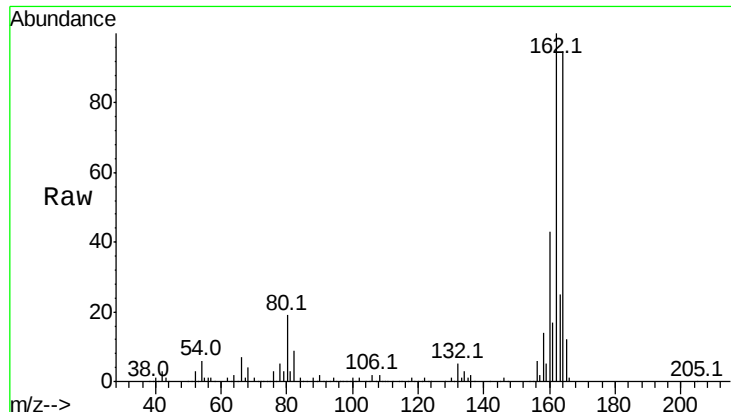
Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 9.9 8.2 12.2

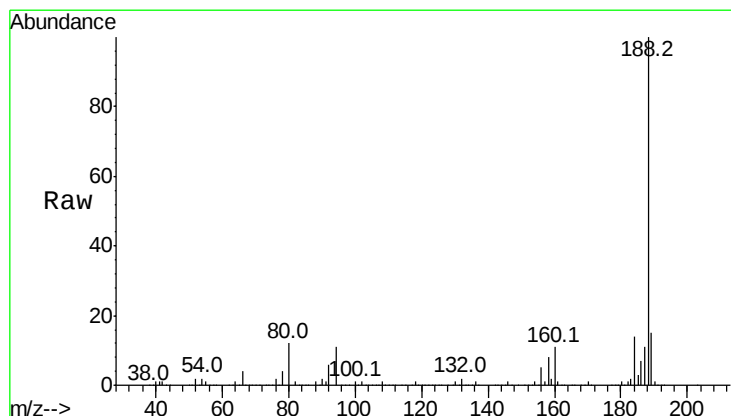
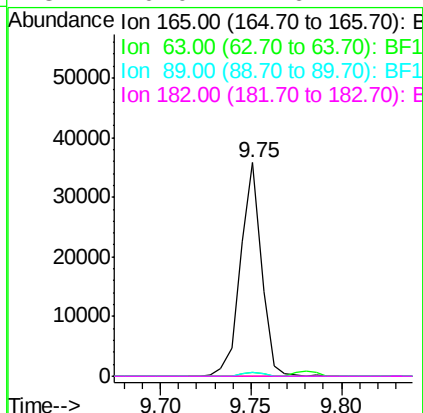
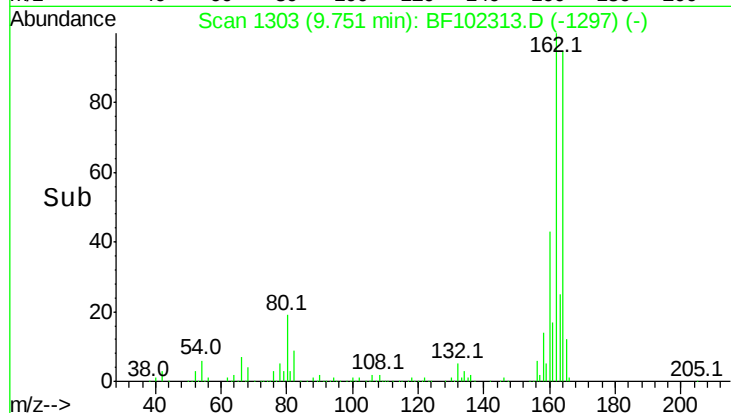




#56
 2,4-Dinitrotoluene
 Concen: 5.896 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

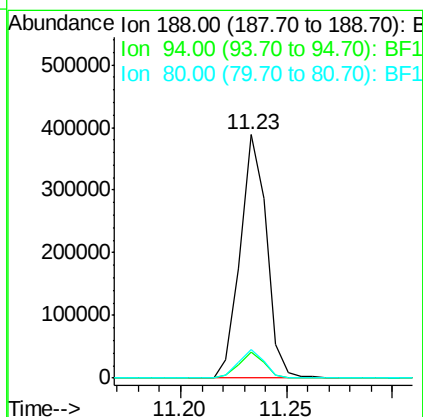
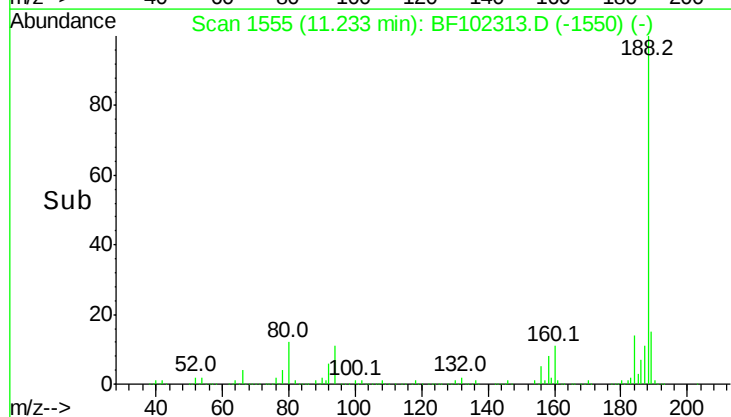
Instrument :
 BNA_F
 ClientSampleId :

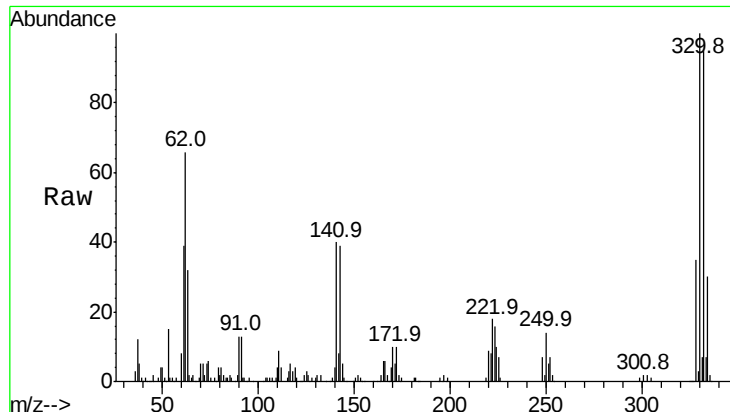
Tot Ion:165 Resp: 28762
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:188 Resp: 334644
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.5 9.2 13.8





#66

4-Bromophenyl-phenylether

Concen: 3.688 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.24 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

ClientSampleId :

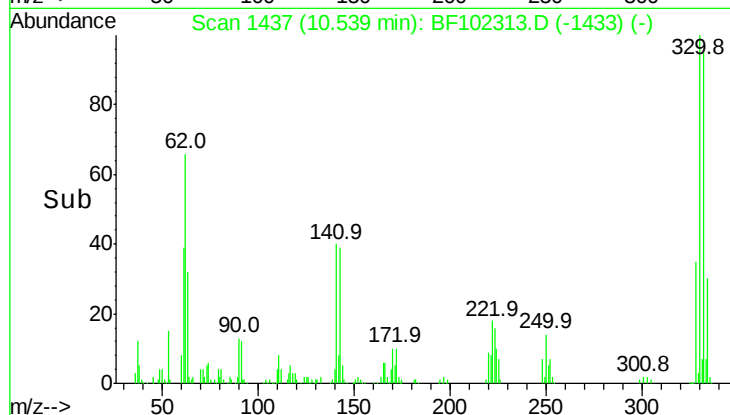
Tot Ion:248 Resp: 13285

Ion Ratio Lower Upper

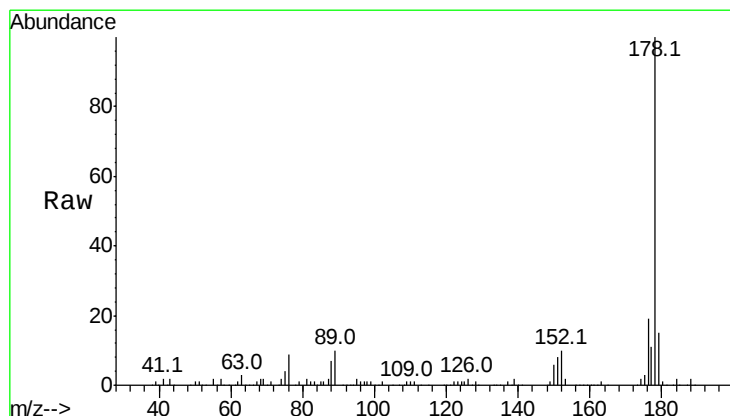
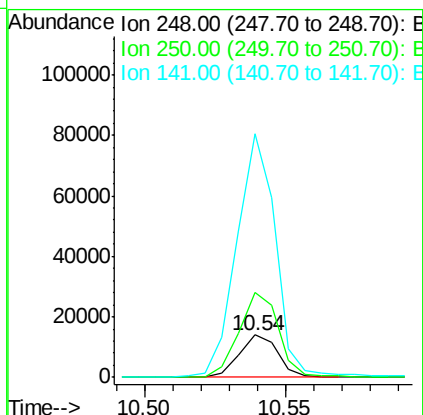
248 100

250 198.6 76.9 115.3#

141 573.4 74.4 111.6#



Scan 1437 (10.539 min): BF102313.D (-1433) (-)



#70

Phenanthrene

Concen: 7.597 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

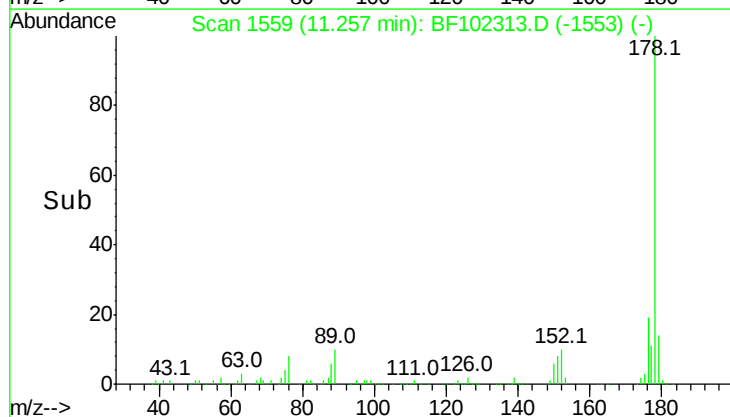
Tgt Ion:178 Resp: 148152

Ion Ratio Lower Upper

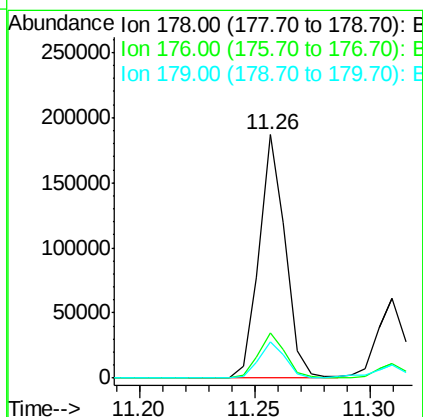
178 100

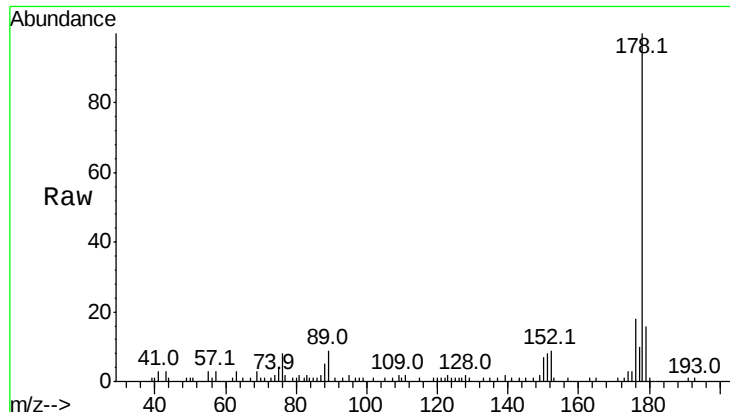
176 18.6 15.8 23.8

179 14.6 13.0 19.6



Scan 1559 (11.257 min): BF102313.D (-1553) (-)

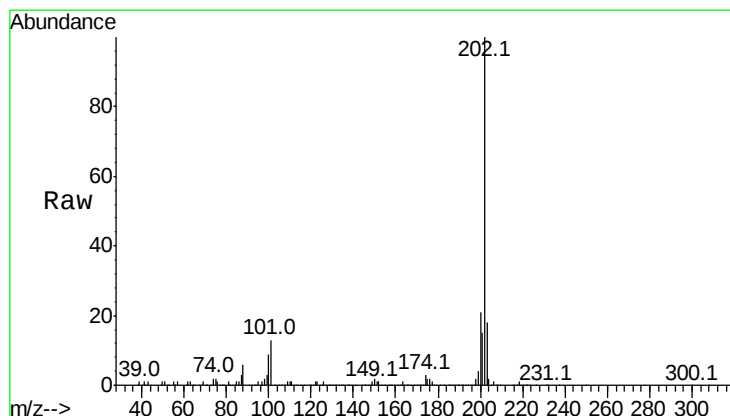
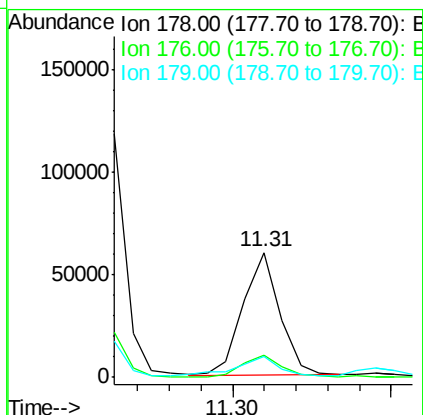
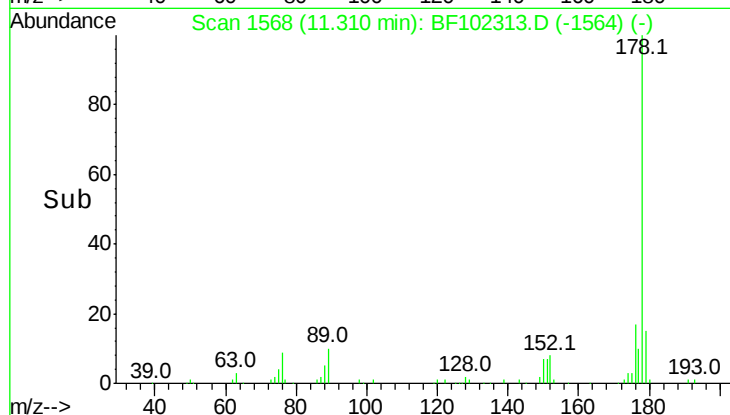




#71
 Anthracene
 Concen: 2.447 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

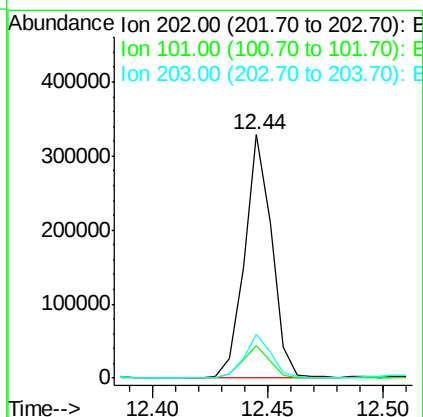
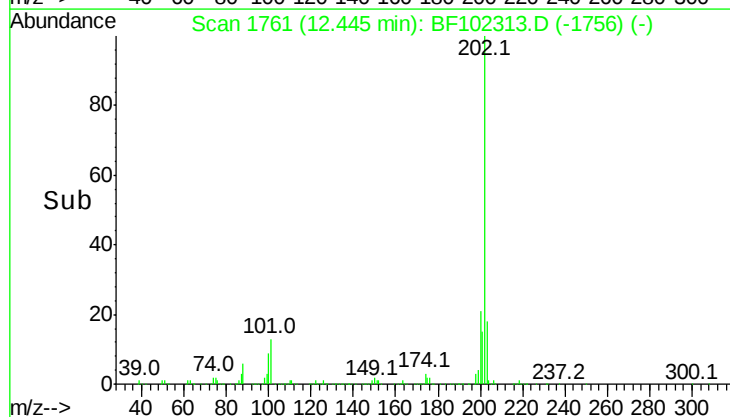
Instrument :
 BNA_F
 ClientSampleId :

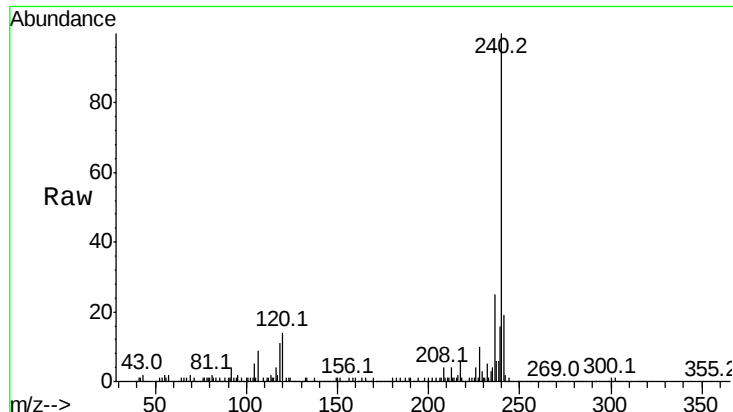
Tot Ion:178	Resp:	48699
Ion	Ratio	Lower Upper
178	100	
176	17.6	15.4 23.2
179	16.4	12.6 19.0



#74
 Fluoranthene
 Concen: 13.522 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:202	Resp:	268904
Ion	Ratio	Lower Upper
202	100	
101	13.3	0.0 34.1
203	17.8	0.0 38.1

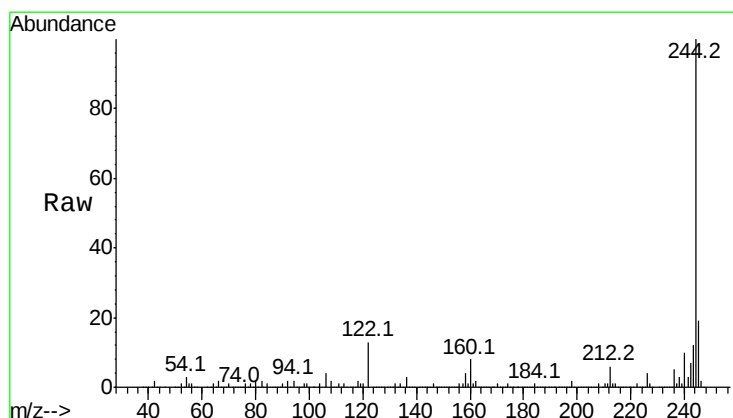
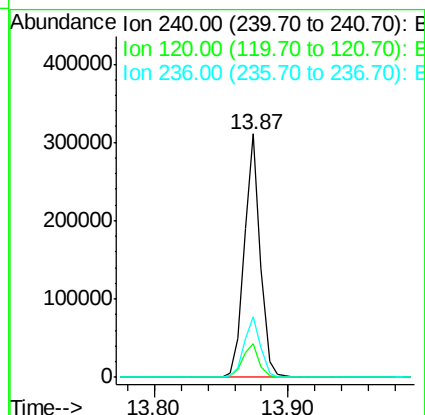
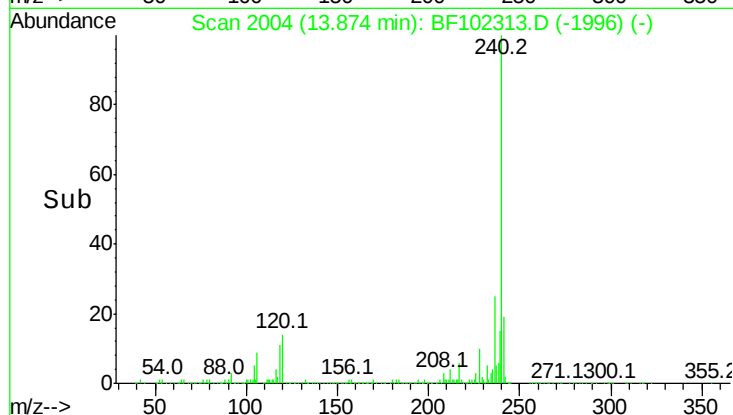




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

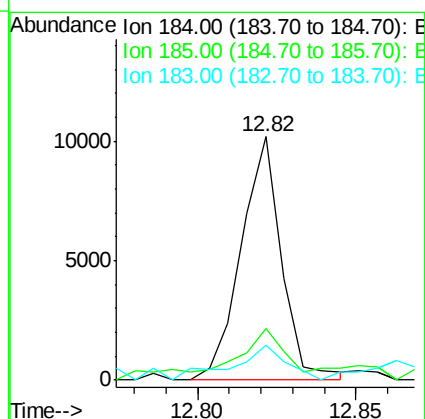
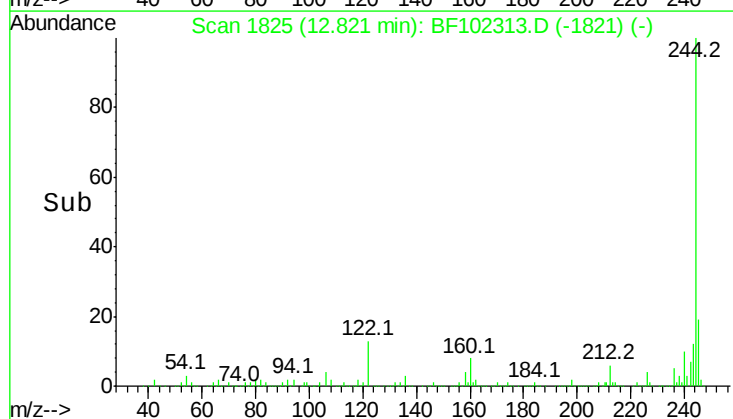
Instrument :
 BNA_F
 ClientSampleId :

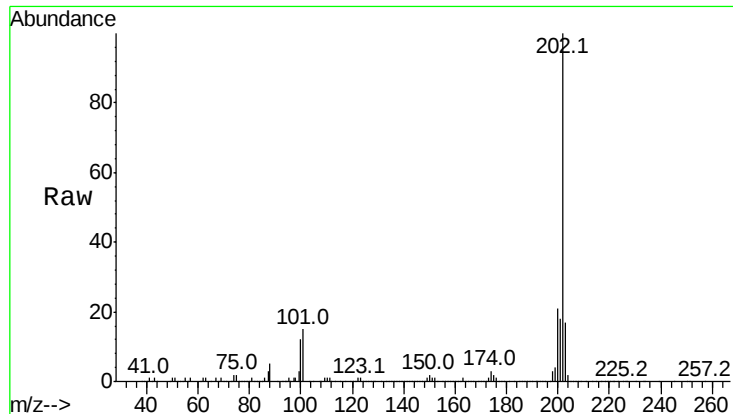
Tot Ion:240 Resp: 257393
 Ion Ratio Lower Upper
 240 100
 120 13.8 9.5 14.3
 236 24.8 20.7 31.1



#76
 Benzidine
 Concen: 1.041 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.25 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:184 Resp: 8999
 Ion Ratio Lower Upper
 184 100
 185 21.4 12.6 18.8#
 183 14.3 9.3 13.9#

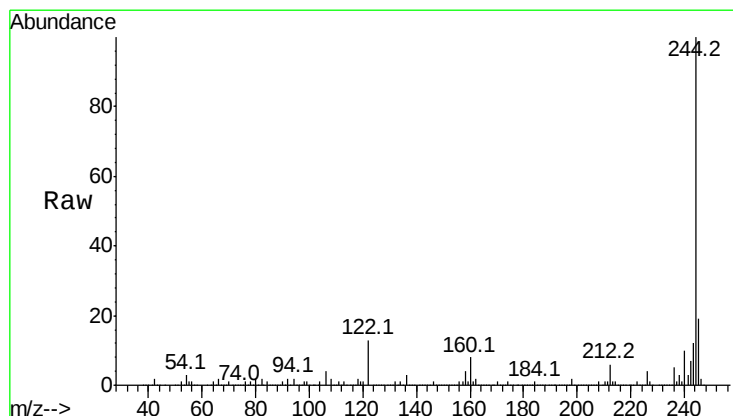
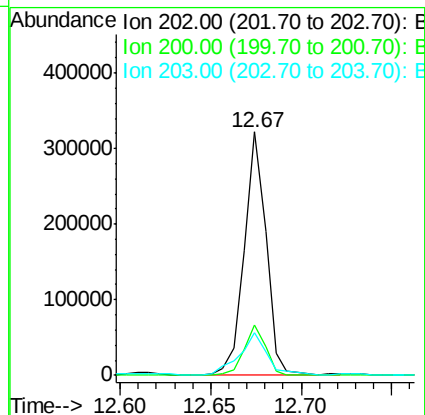
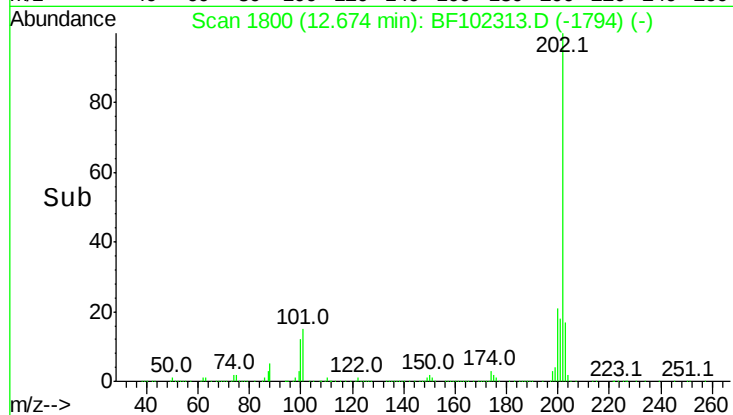




#77
 Pvrene
 Concen: 13.535 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

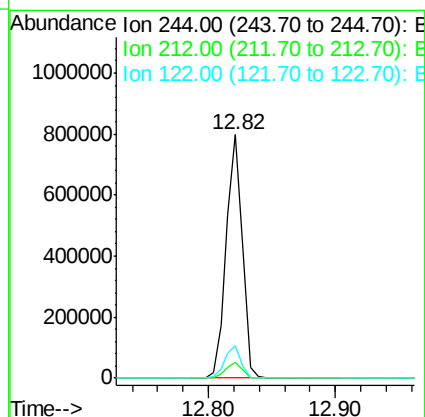
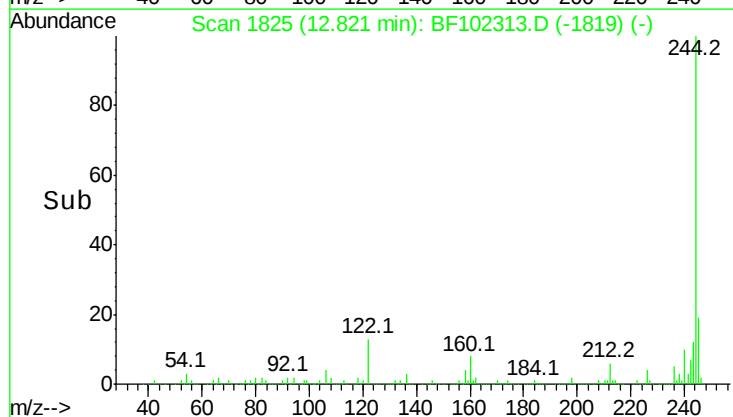
Instrument :
 BNA_F
 ClientSampleId :

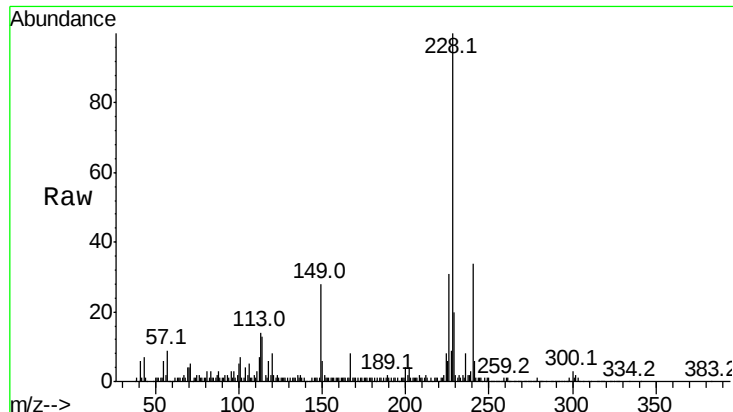
Tot Ion:202 Resp: 269349
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 61.679 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:244 Resp: 704227
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 13.2 11.0 16.4

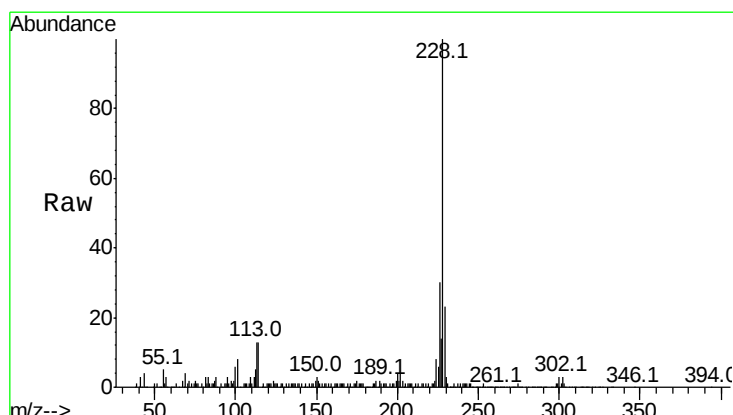
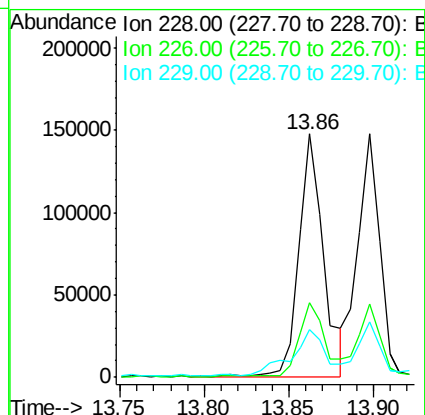
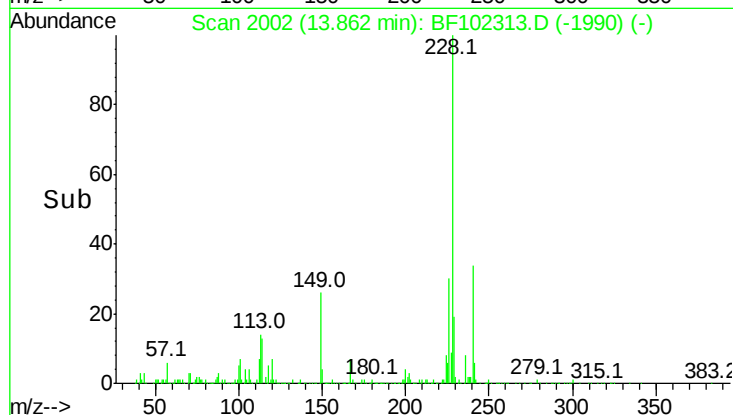




#80
Benzo(a)anthracene
Concen: 9.471 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

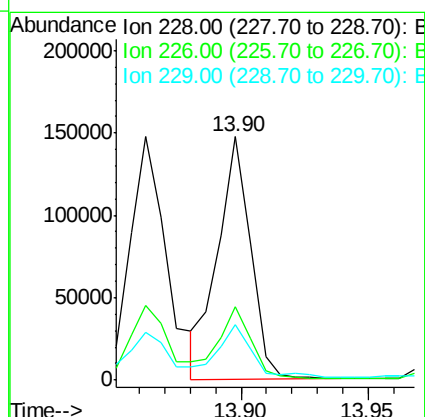
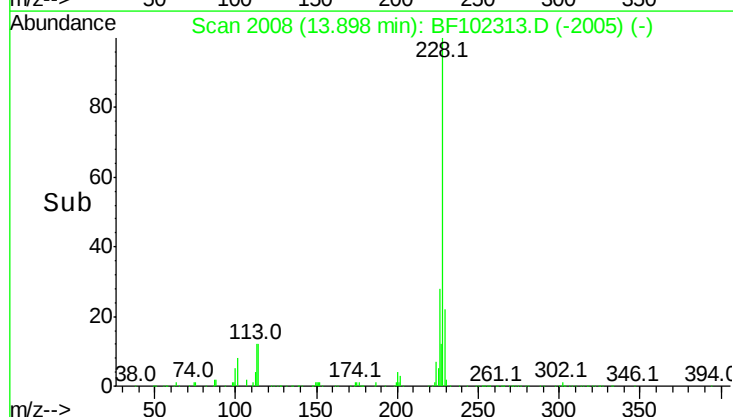
Instrument :
BNA_F
ClientSampleId :

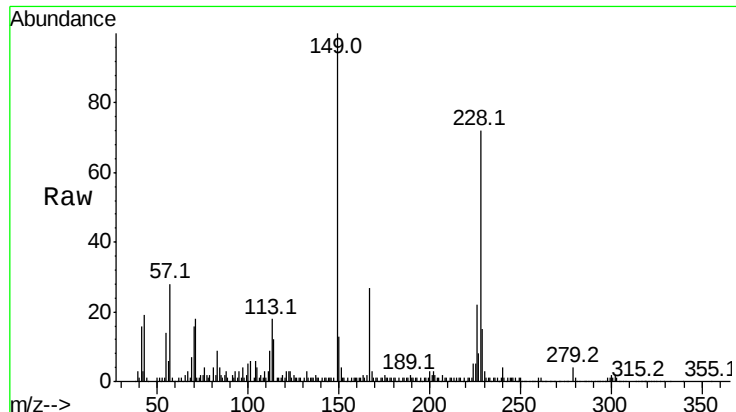
Tot Ion:228 Resp: 150093
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 19.6 15.8 23.6



#82
Chrysene
Concen: 8.263 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion:228 Resp: 132976
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.8 16.2 24.4

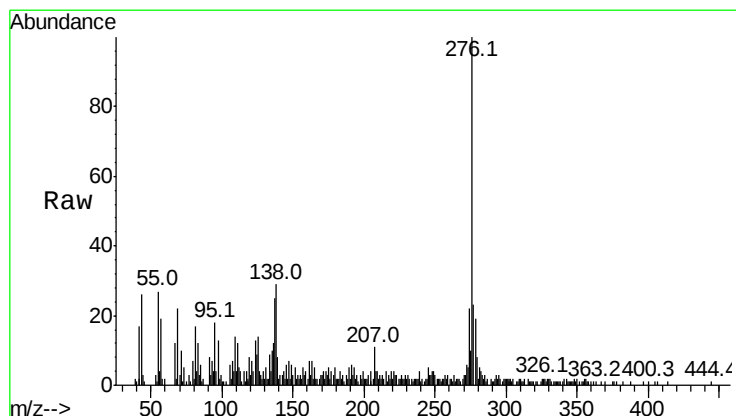
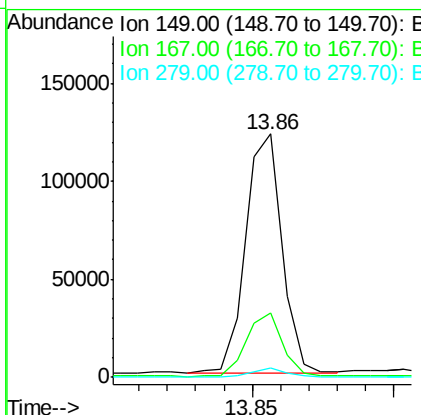
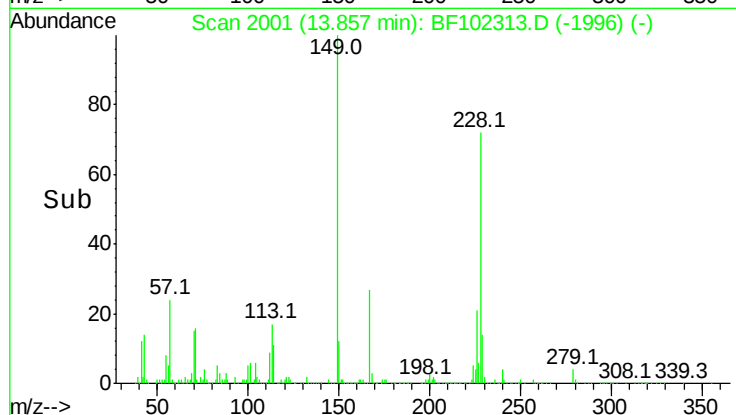




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.210 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

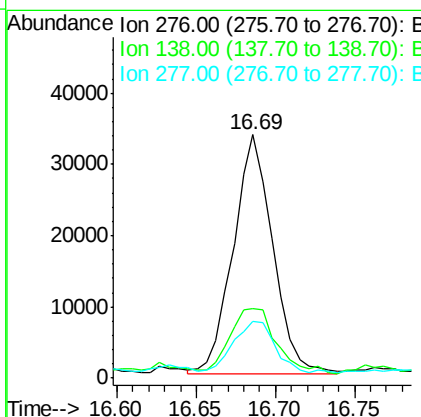
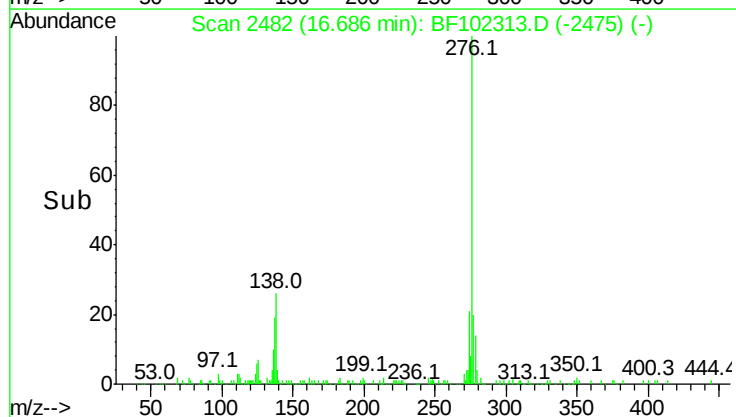
Instrument :
 BNA_F
 ClientSampleId :

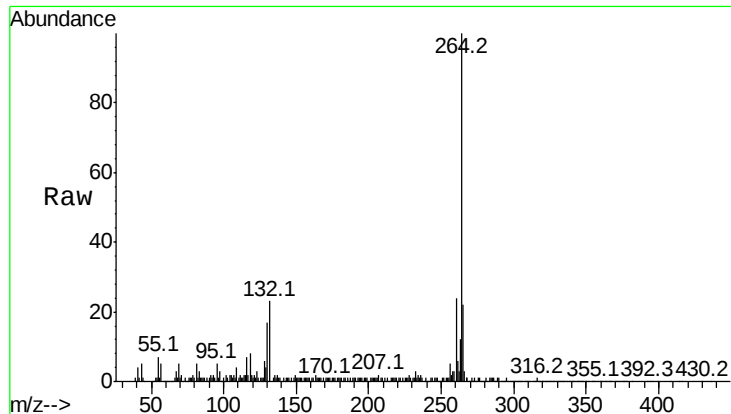
Tot Ion:149 Resp: 109273
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.3 31.9
 279 3.9 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.354 ng
 RT: 16.69 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:276 Resp: 57869
 Ion Ratio Lower Upper
 276 100
 138 31.9 25.0 37.6
 277 22.7 20.1 30.1

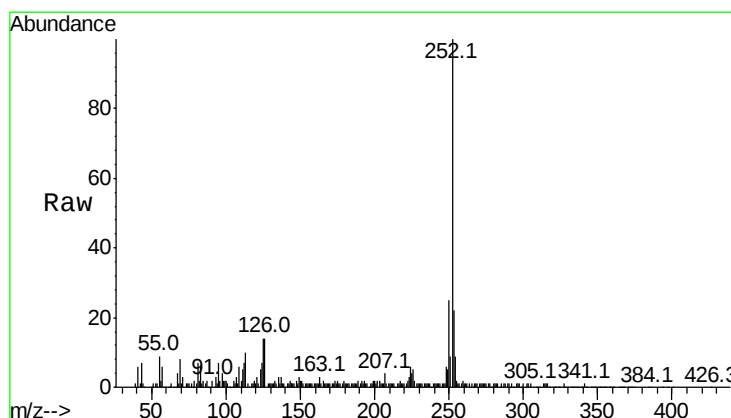
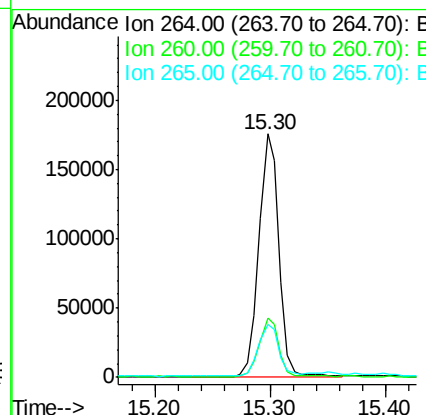
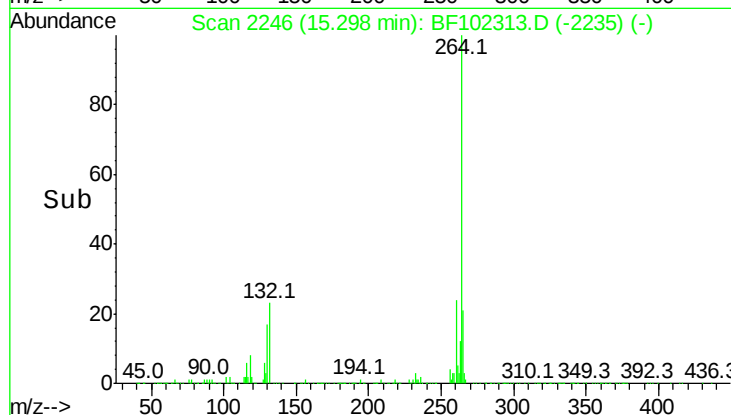




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

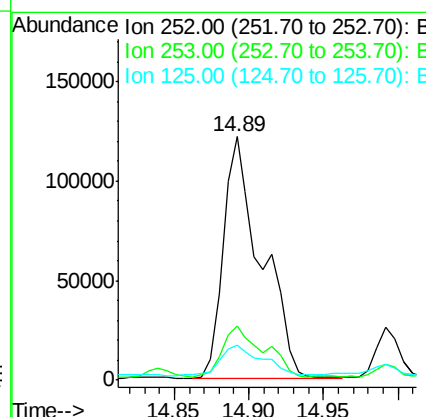
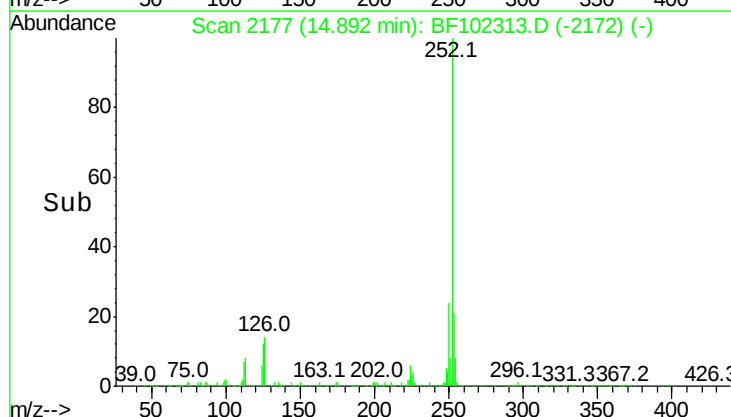
Instrument :
BNA_F
ClientSampleId :

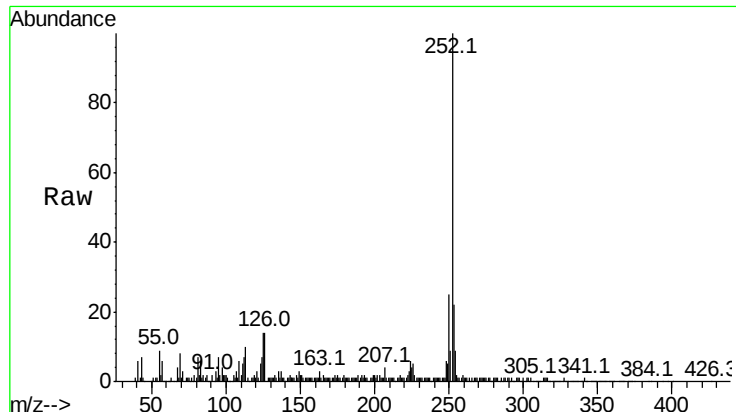
Tot	Ion:264	Resp:	211858
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 15.739 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	252	Resp: Lower	216126 Upper
252	100		
253	22.2	17.0	25.6
125	14.5	9.0	13.6#

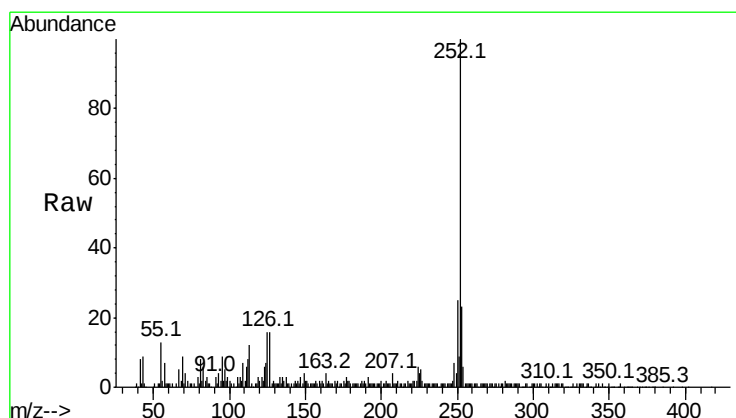
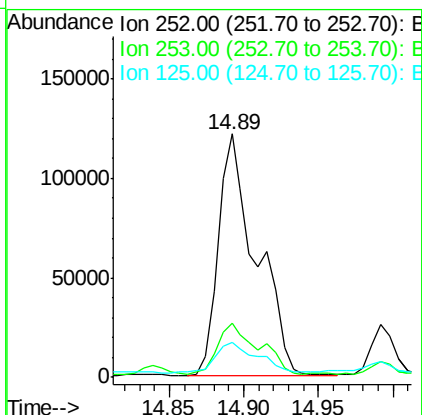
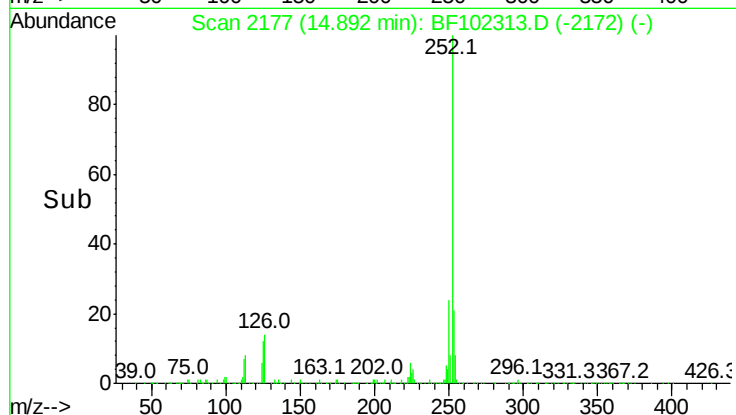




#88
Benzo(k)fluoranthene
Concen: 16.659 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.03 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

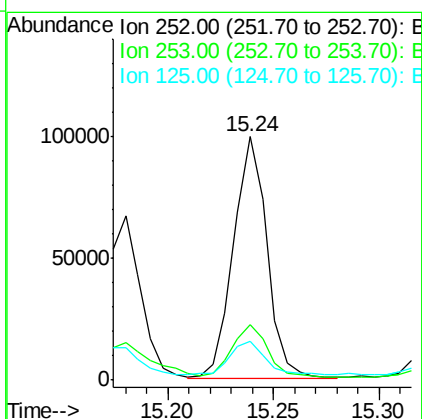
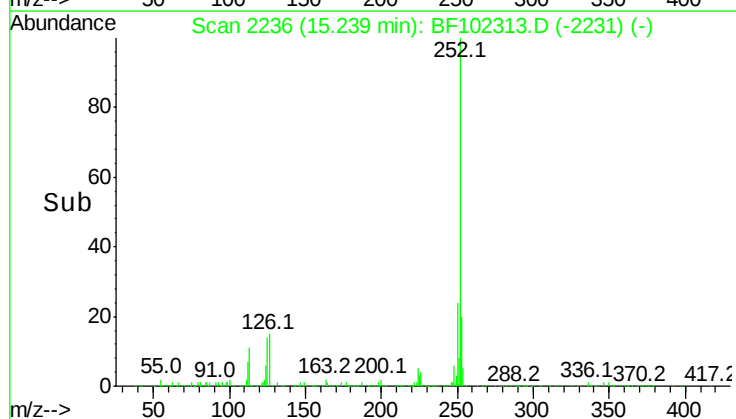
Instrument :
BNA_F
ClientSampleId :

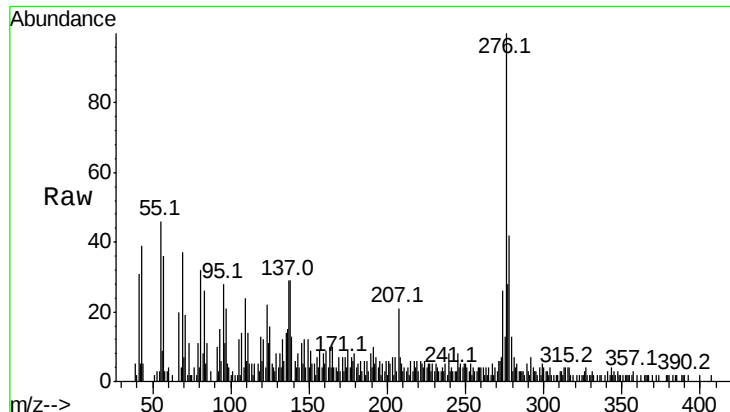
Tot Ion:252 Resp: 216126
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 14.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 8.772 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion:252 Resp: 108640
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 16.0 9.8 14.6#

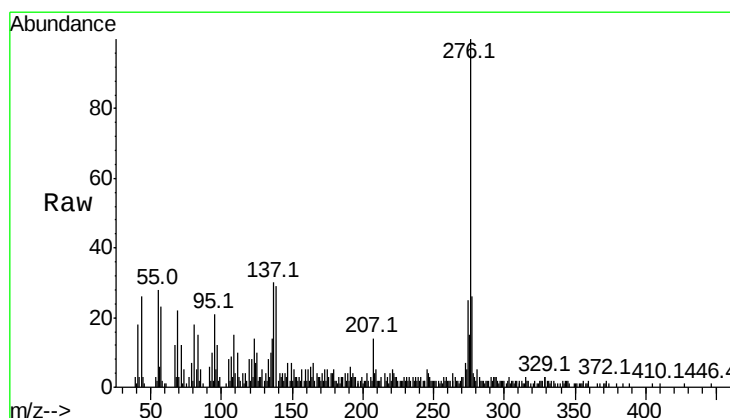
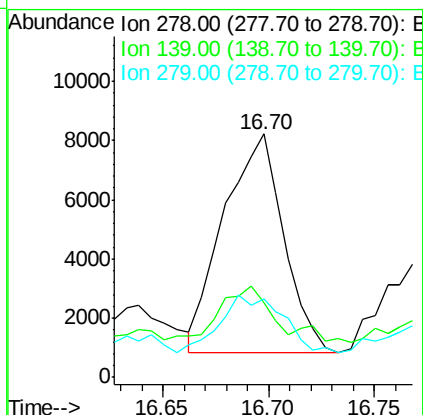
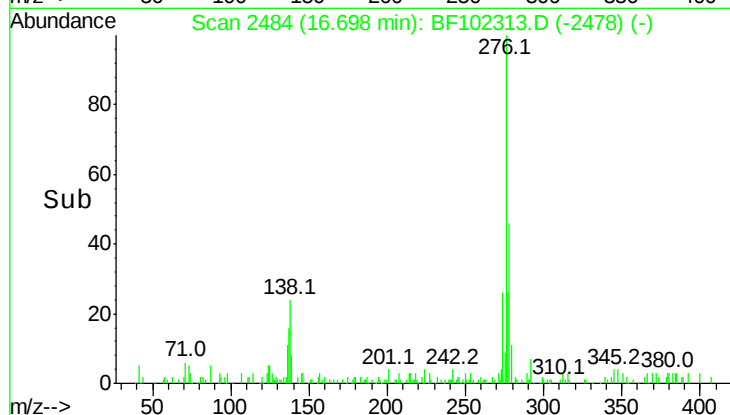




#90
 Dibenzo(a,h)anthracene
 Concen: 1.461 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:278 Resp: 14658
 Ion Ratio Lower Upper
 278 100
 139 30.9 15.9 23.9#
 279 32.2 19.0 28.4#



#91
 Benzo(g,h,i)perylene
 Concen: 5.840 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion:276 Resp: 57849
 Ion Ratio Lower Upper
 276 100
 277 25.5 17.9 26.9
 138 29.2 21.8 32.8

