

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102300.D
 Acq On : 22 Jan 2018 15:36
 Operator : SJ/JU
 Sample : J1228-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:06:56 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	142517	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	596961	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267173	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	449134	20.00	ng	0.00
75) Chrysene-d12	13.87	240	293786	20.00	ng	0.00
86) Perylene-d12	15.29	264	282292	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	966591	102.84	ng	0.00
7) Phenol-d6	6.36	99	1156766	102.08	ng	0.00
23) Nitrobenzene-d5	7.28	82	730833	70.35	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	253924	95.92	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1254592	69.04	ng	0.00
78) Terphenyl-d14	12.82	244	982410	75.38	ng	0.00

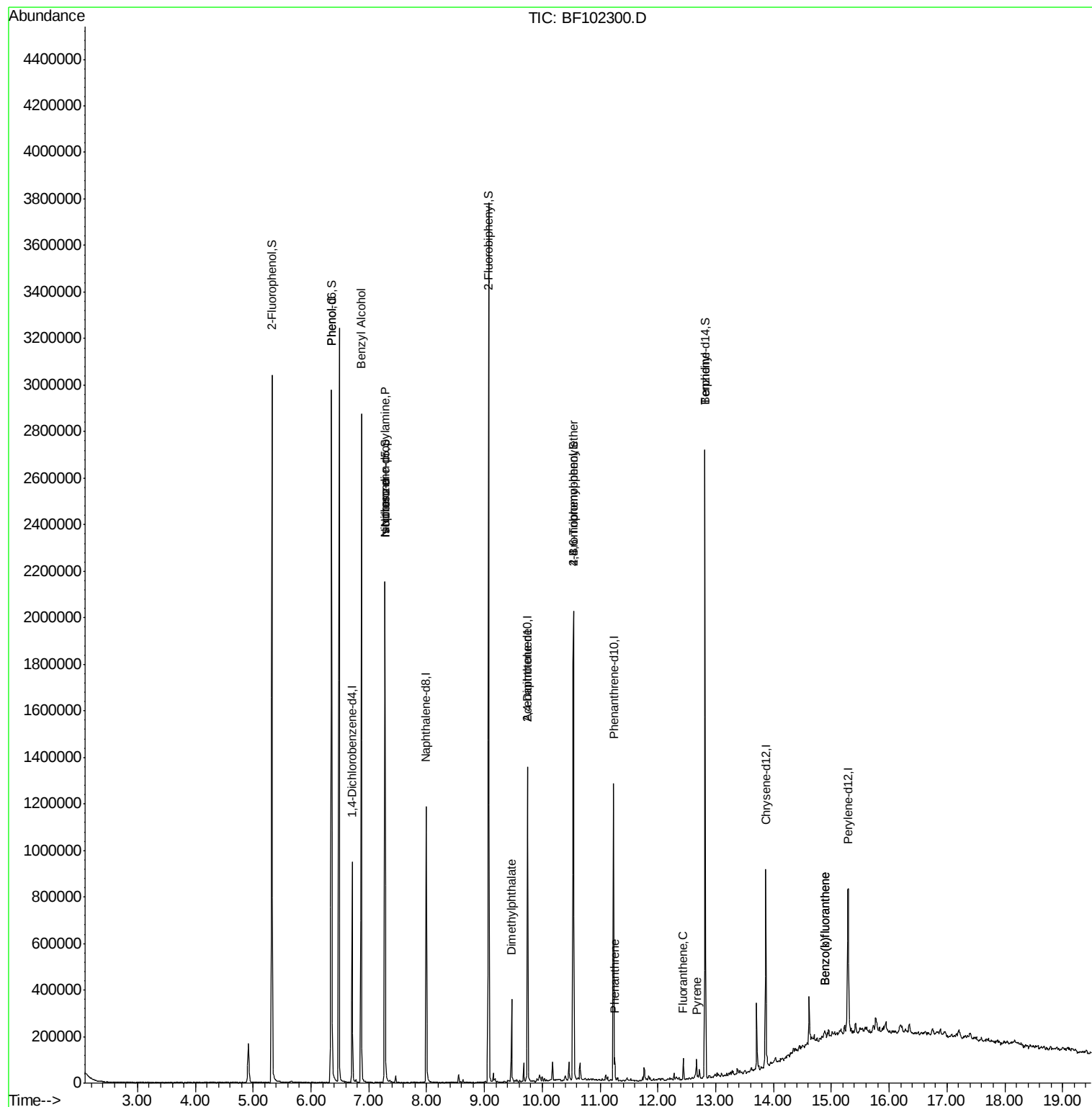
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	57015	4.609	ng	77
15) Benzyl Alcohol	6.87	79	12418	1.553	ng	# 38
19) n-Nitroso-di-n-propylamine	7.28	70	97455	14.053	ng	# 79
25) Isophorone	7.28	82	730828	39.464	ng	# 64
49) Dimethylphthalate	9.47	163	143733	6.509	ng	98
56) 2,4-Dinitrotoluene	9.75	165	33267	5.682	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	16013	3.312	ng	# 1
70) Phenanthrene	11.25	178	28725	1.098	ng	98
74) Fluoranthene	12.44	202	32468	1.217	ng	96
76) Benzidine	12.82	184	12745	1.291	ng	# 96
77) Pyrene	12.67	202	32277	1.421	ng	100
87) Benzo(b)fluoranthene	14.88	252	19775	1.081	ng	# 79
88) Benzo(k)fluoranthene	14.88	252	19775	1.144	ng	# 82

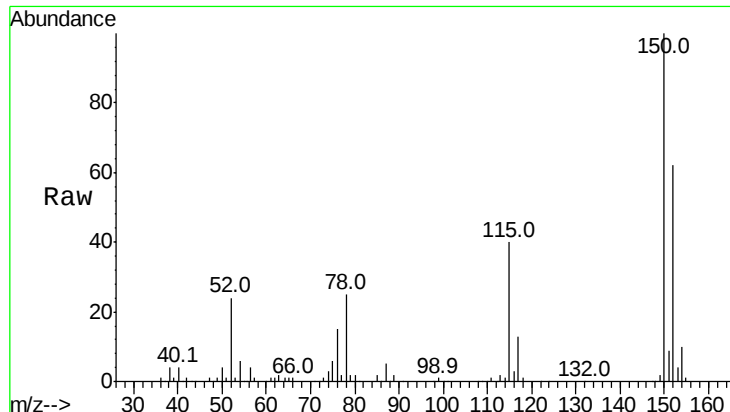
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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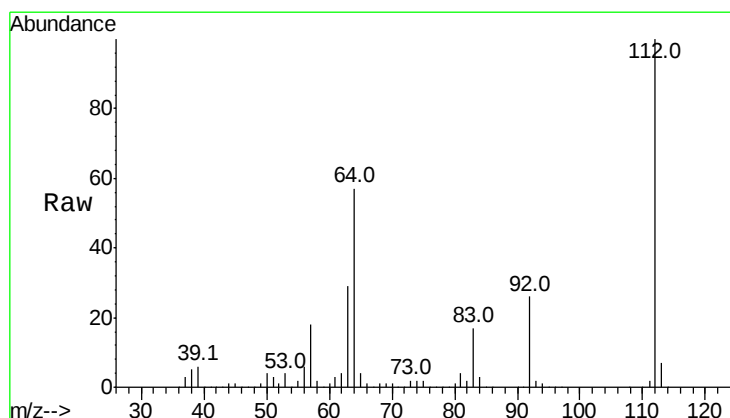
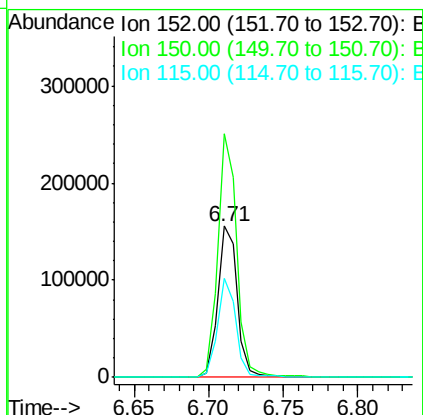
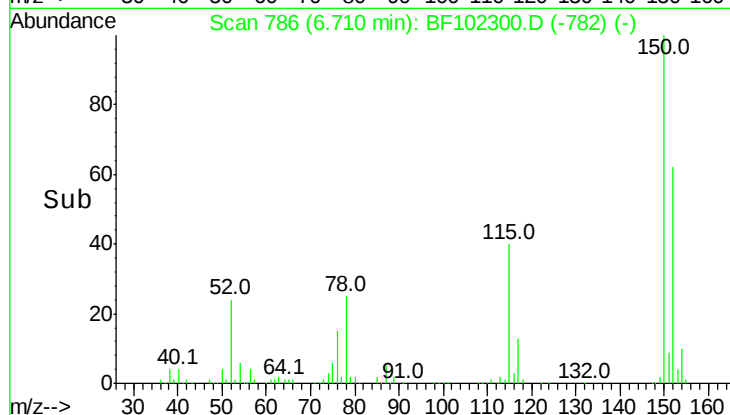




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

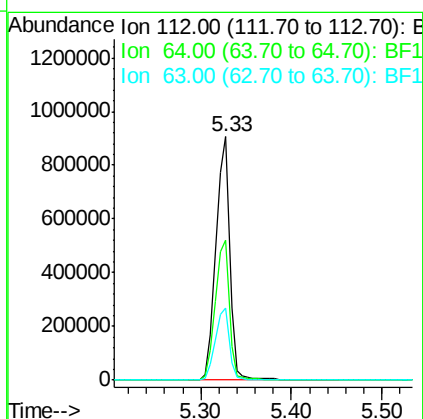
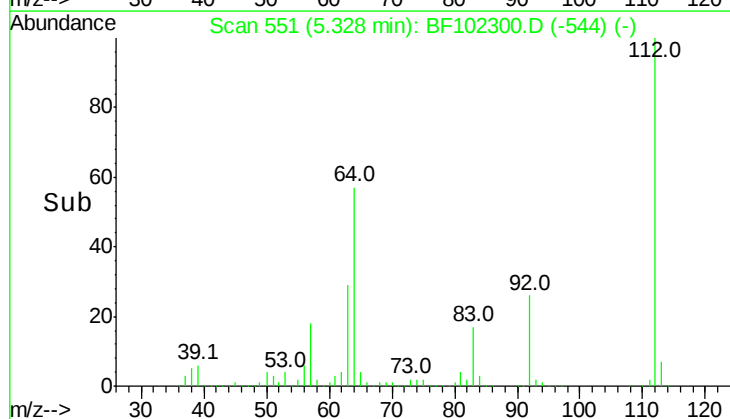
Instrument :
 BNA_F
 ClientSampleId :

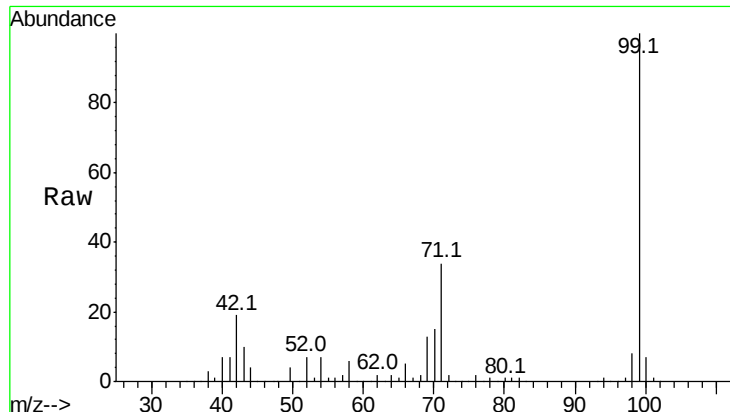
Tot Ion:152 Resp: 142517
 Ion Ratio Lower Upper
 152 100
 150 161.0 124.6 186.8
 115 65.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 102.837 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

Tgt Ion:112 Resp: 966591
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.9 71.9
 63 29.5 23.7 35.5





#7

Phenol-d6

Concen: 102.083 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

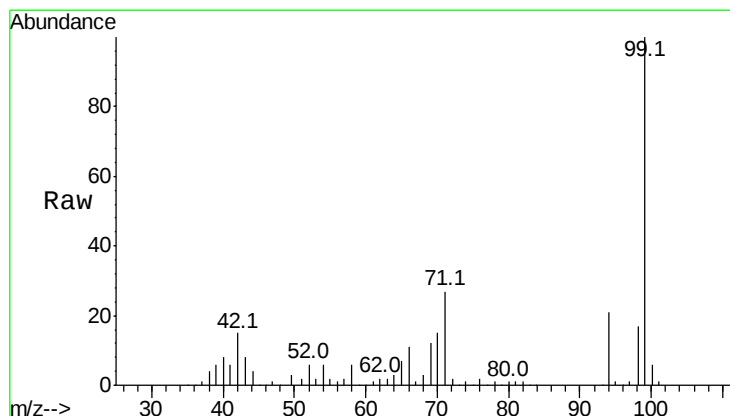
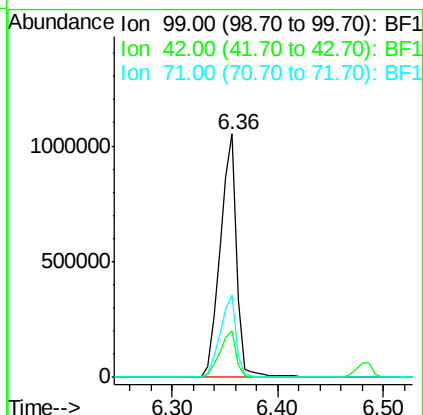
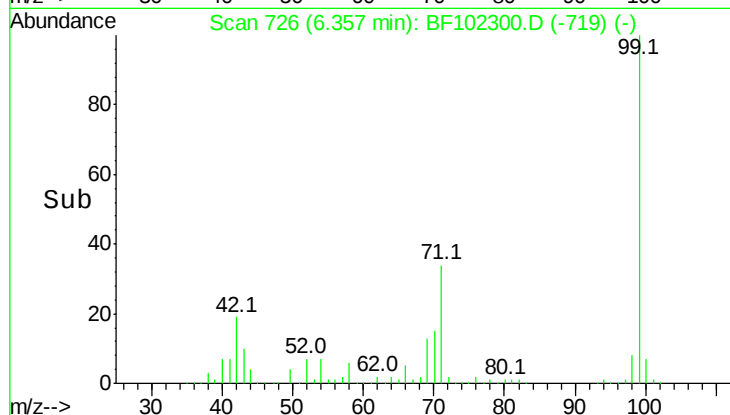
Tot Ion: 99 Resp: 1156766

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 33.7 25.4 38.0



#10

Phenol

Concen: 4.609 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

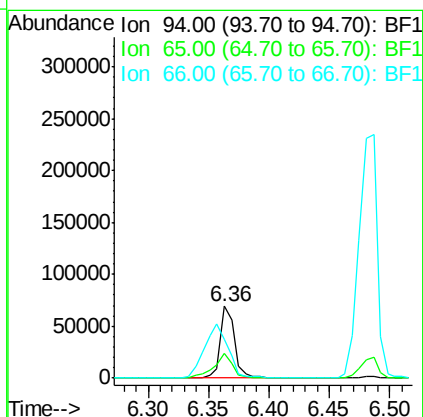
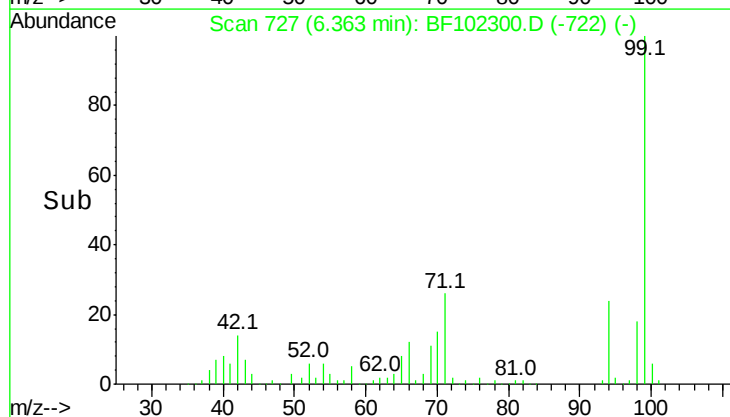
Tgt Ion: 94 Resp: 57015

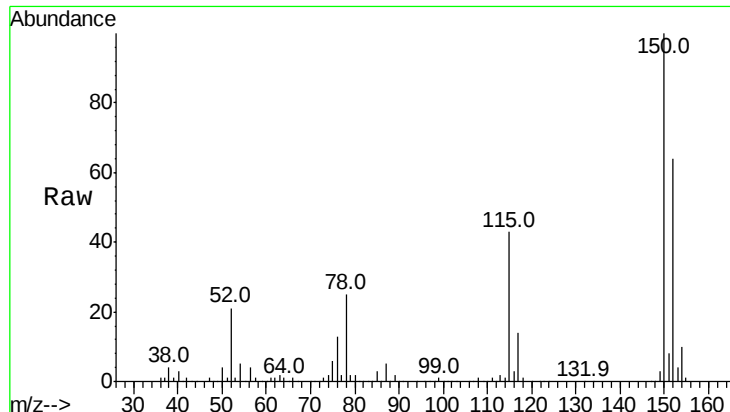
Ion Ratio Lower Upper

94 100

65 34.0 7.9 47.9

66 54.8 16.2 56.2





#15

Benzyl Alcohol

Concen: 1.553 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

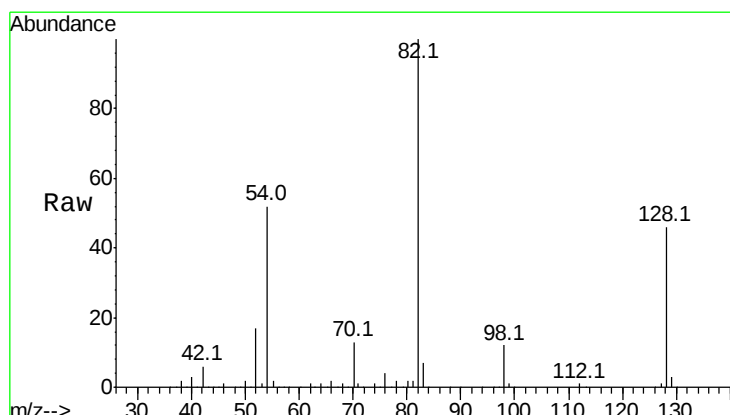
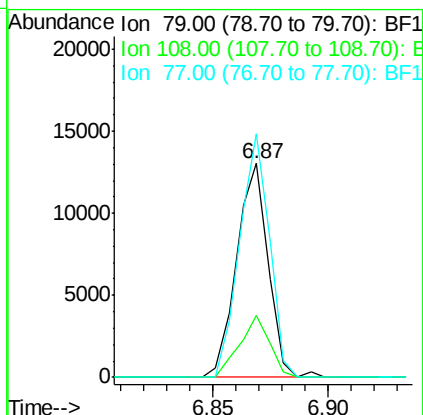
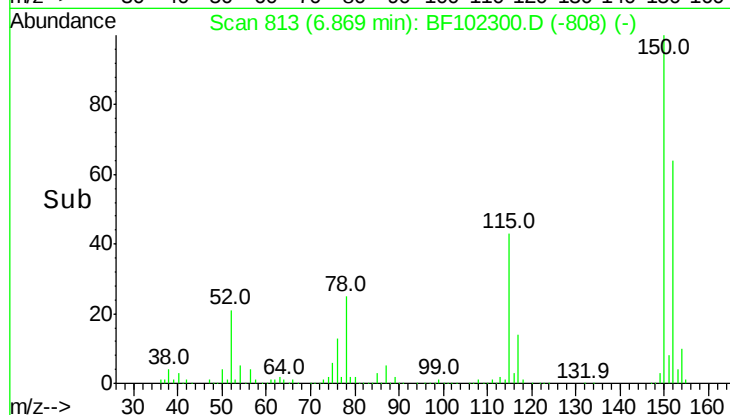
Tot Ion: 79 Resp: 12418

Ion Ratio Lower Upper

79 100

108 29.1 65.1 97.7#

77 114.0 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 14.053 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Tgt Ion: 70 Resp: 97455

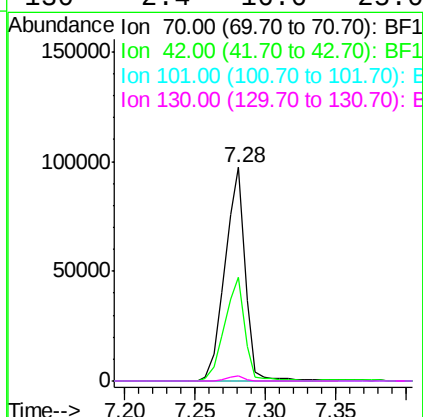
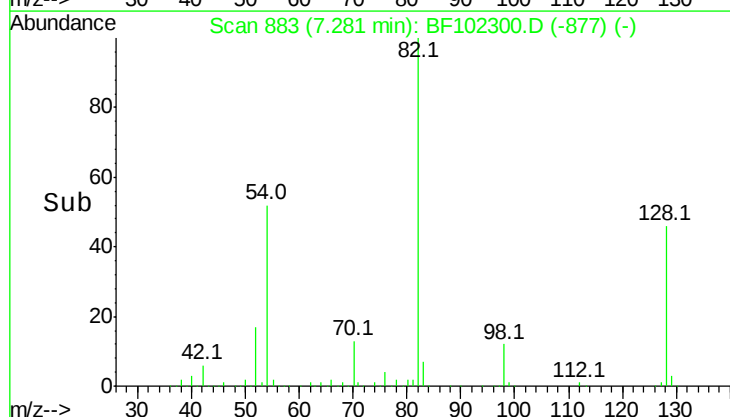
Ion Ratio Lower Upper

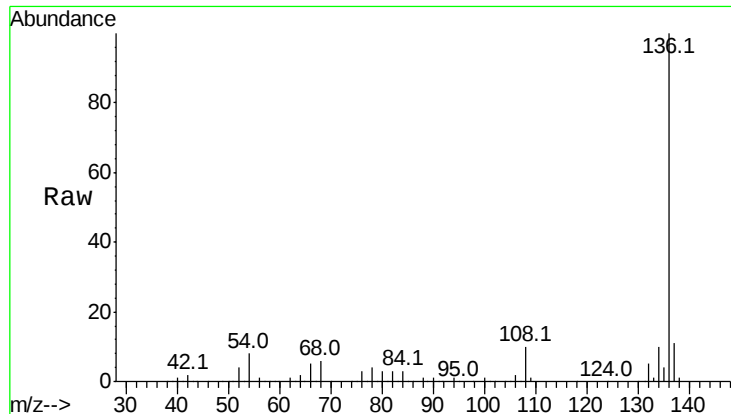
70 100

42 48.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

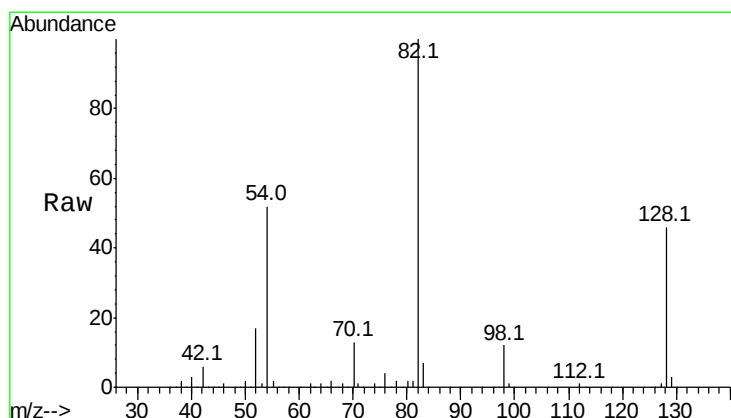
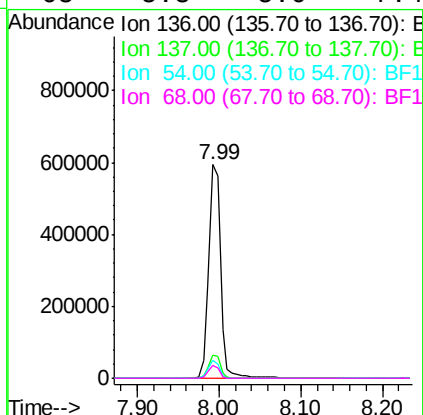
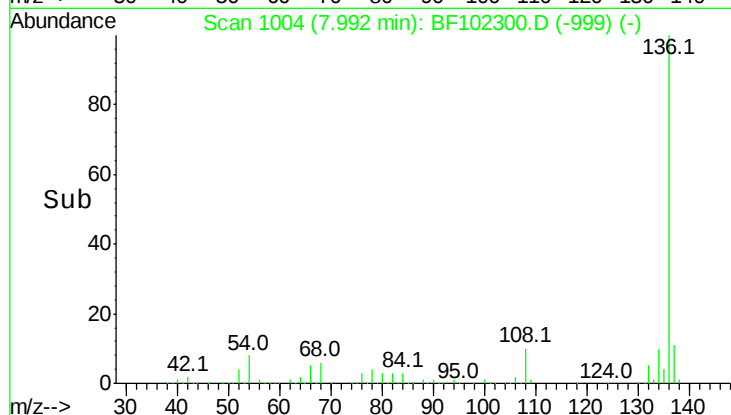




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

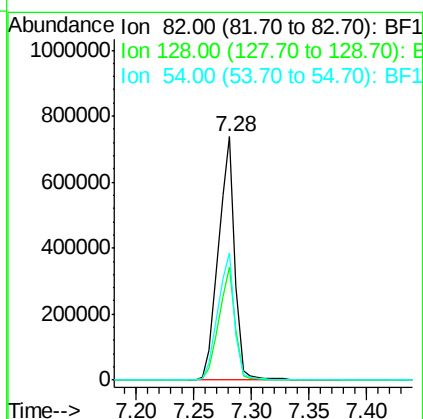
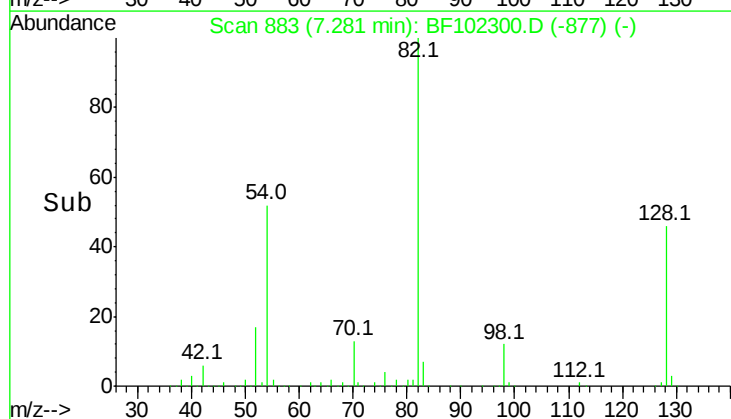
Instrument :
BNA_F
ClientSampleId :

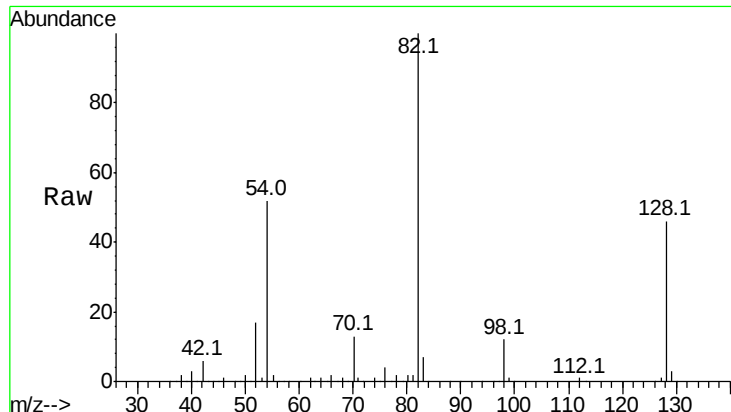
Tot Ion:	136	Resp:	596961
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	6.6	9.8
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 70.354 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

Tgt Ion:	82	Resp:	730833
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	52.3	41.4	62.2





#25

Isophorone

Concen: 39.464 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

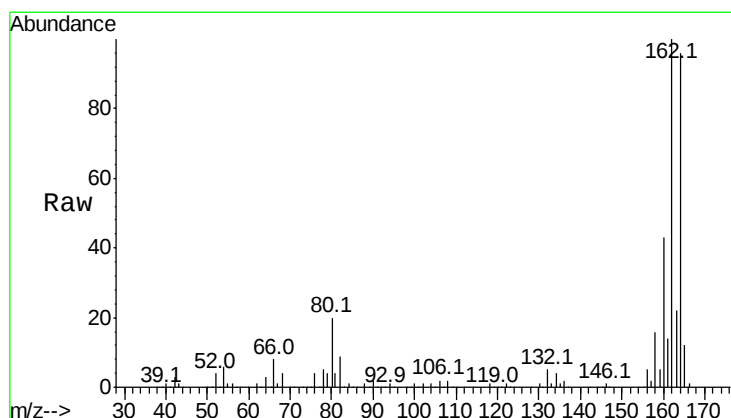
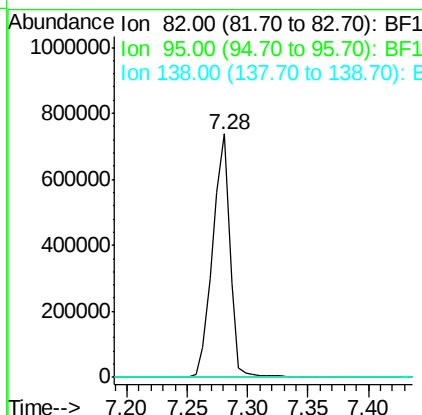
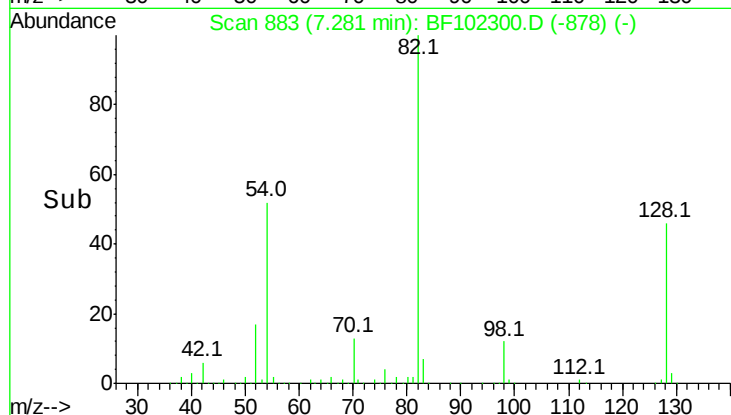
Tot Ion: 82 Resp: 730828

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: BF102300.D

Acq: 22 Jan 2018 15:36

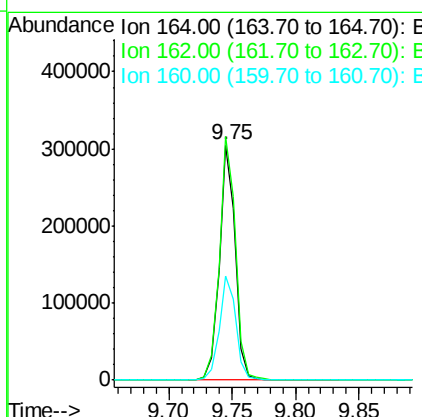
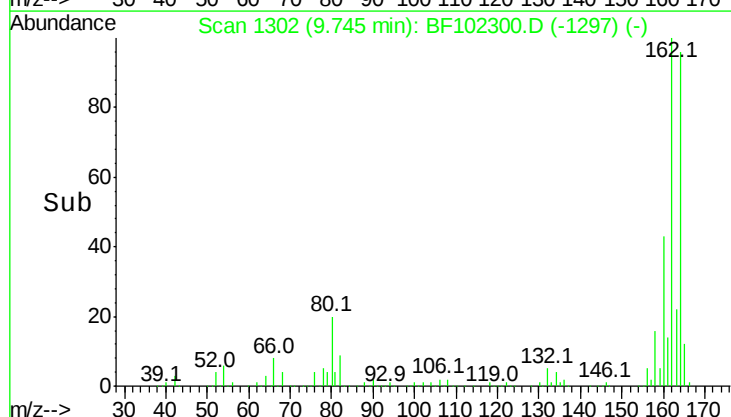
Tgt Ion:164 Resp: 267173

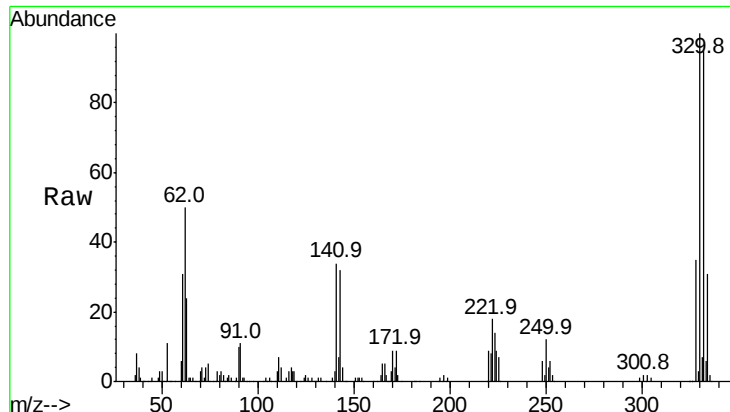
Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

160 44.2 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 95.918 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

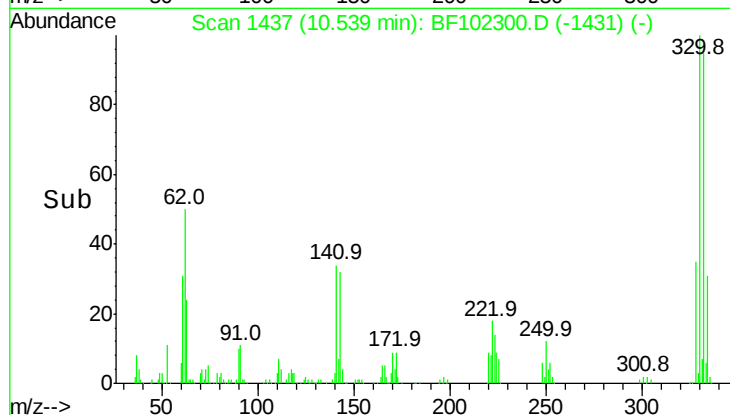
Tot Ion:330 Resp: 253924

Ion Ratio Lower Upper

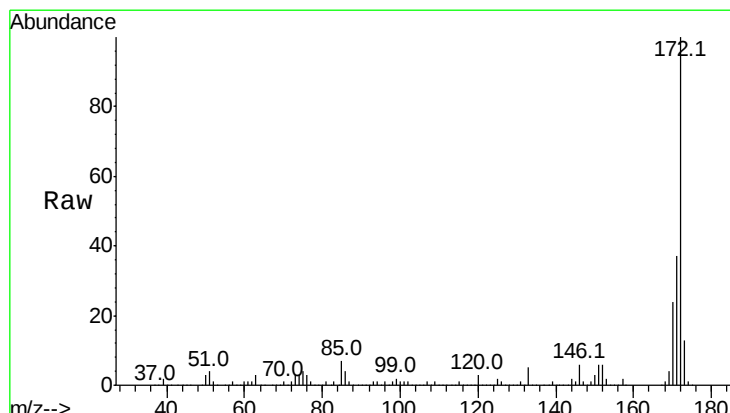
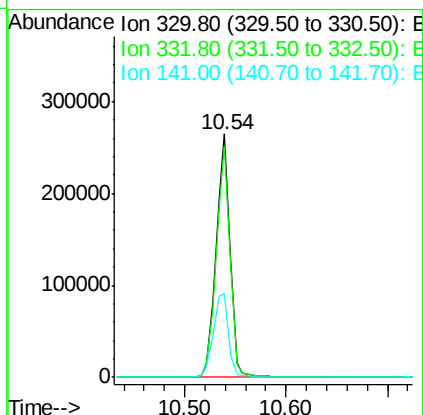
330 100

332 94.5 77.0 115.6

141 38.0 29.9 44.9



Scan 1437 (10.539 min): BF102300.D (-1431) (-)



#44

2-Fluorobiphenyl

Concen: 69.045 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

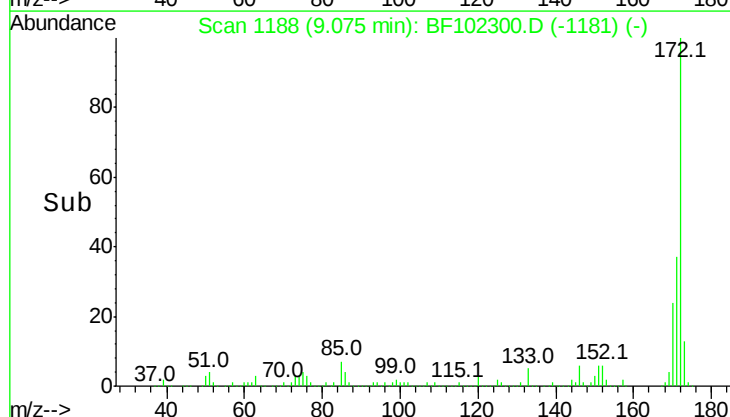
Tgt Ion:172 Resp: 1254592

Ion Ratio Lower Upper

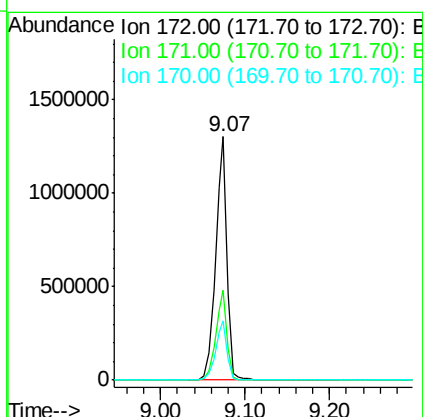
172 100

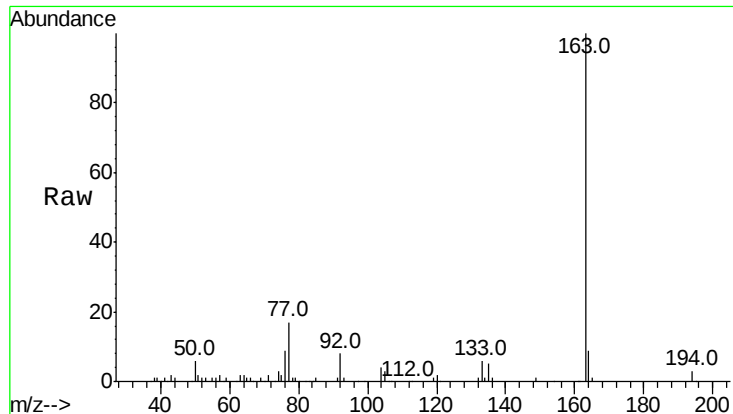
171 36.8 29.7 44.5

170 24.4 19.6 29.4



Scan 1188 (9.075 min): BF102300.D (-1181) (-)

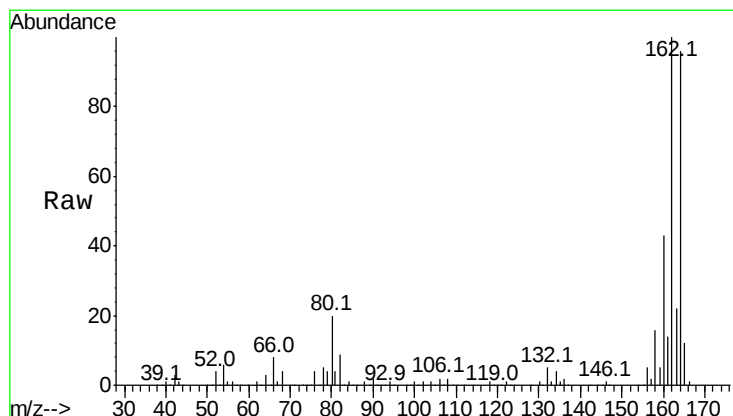
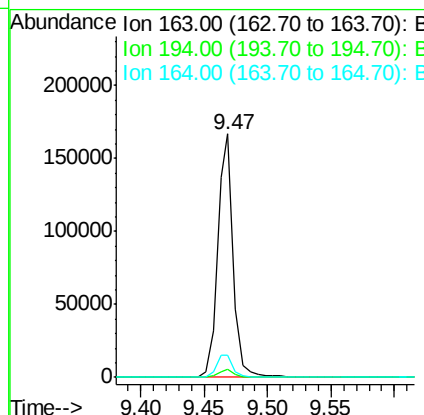
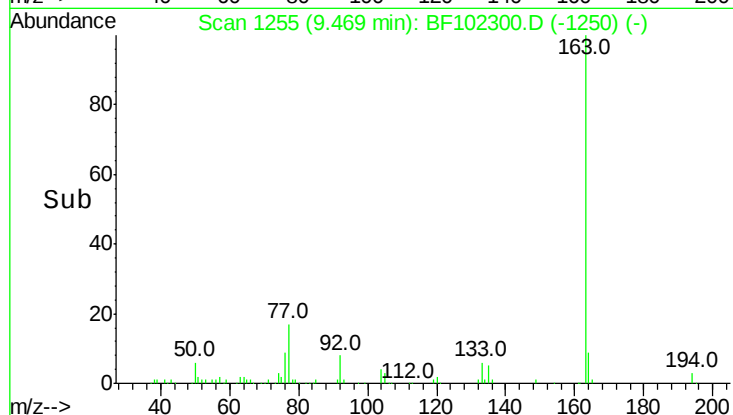




#49
 Dimethylphthalate
 Concen: 6.509 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

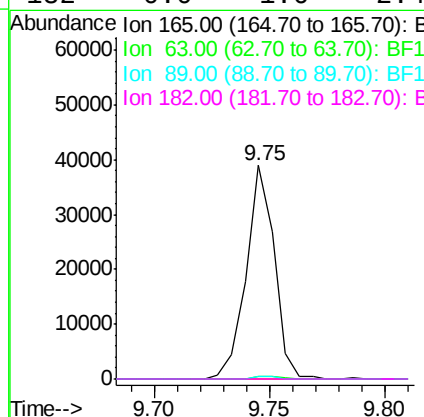
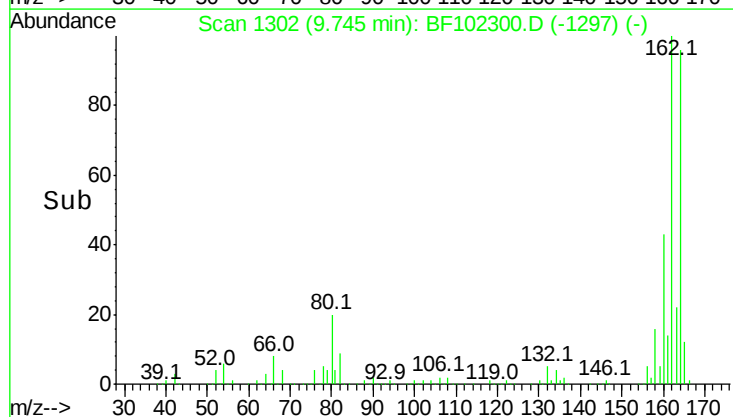
Instrument :
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 ClientSampleId :

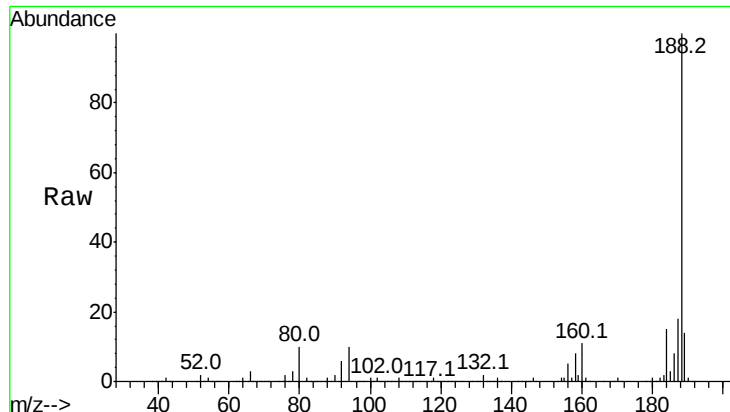
Tot Ion:	163	Resp:	143733
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.3	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 5.682 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

Tgt Ion:	165	Resp:	33267
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

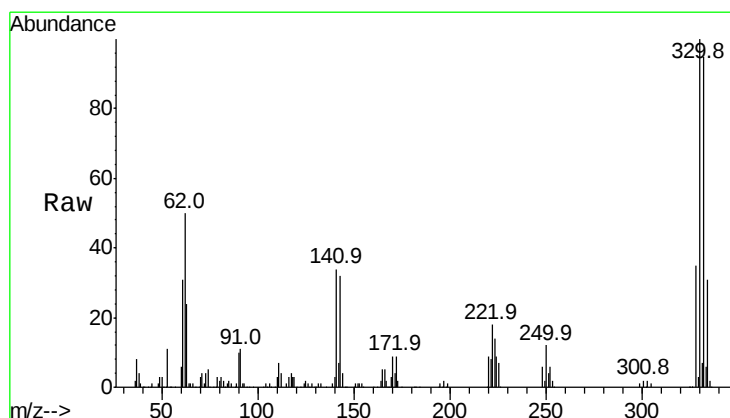
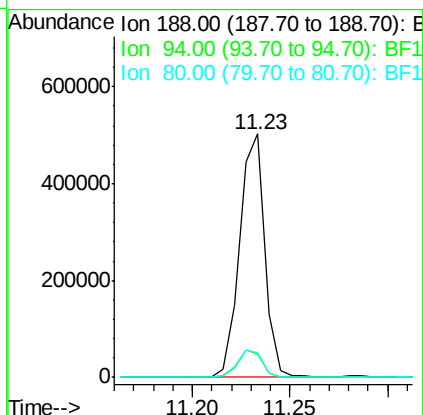
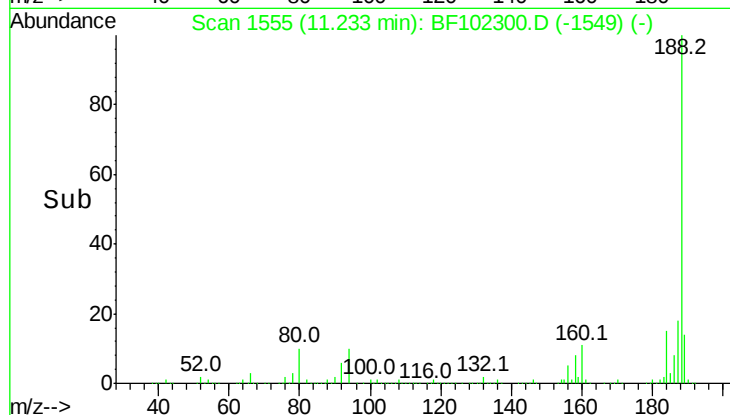




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

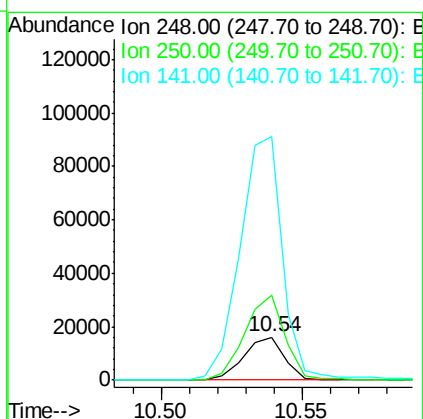
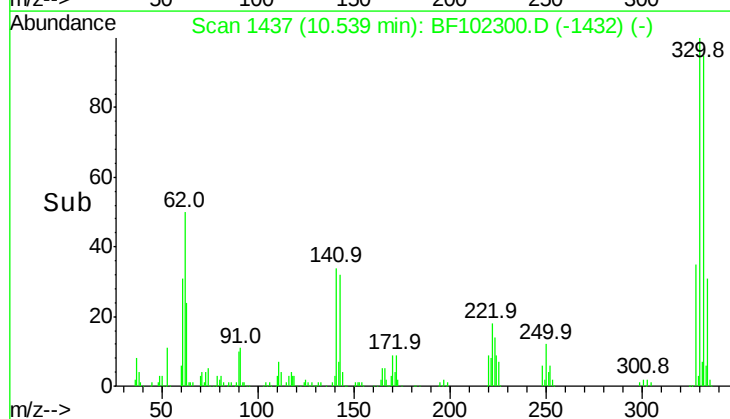
Instrument :
BNA_F
ClientSampleId :

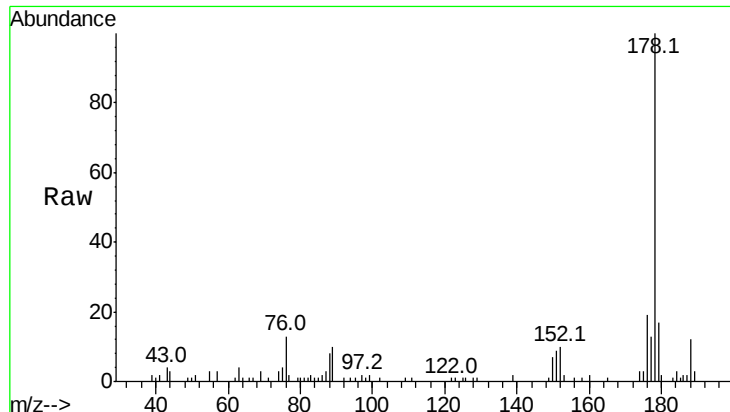
Tot Ion:188 Resp: 449134
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.312 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

Tgt Ion:248 Resp: 16013
Ion Ratio Lower Upper
248 100
250 196.7 76.9 115.3#
141 562.7 74.4 111.6#

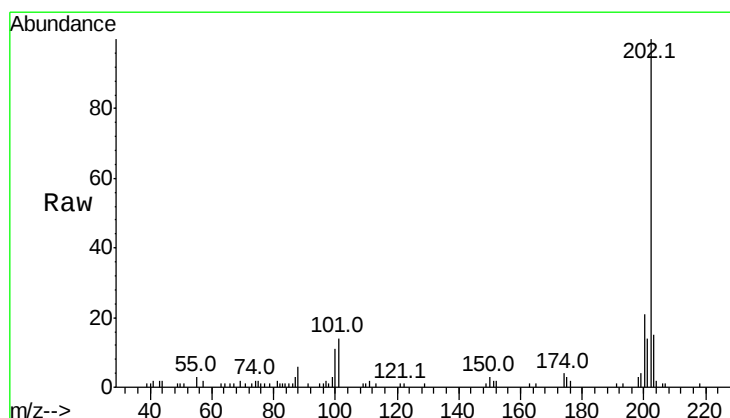
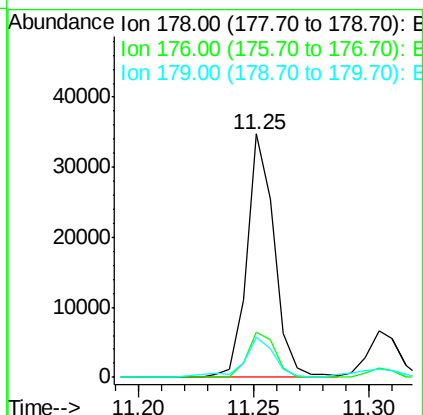
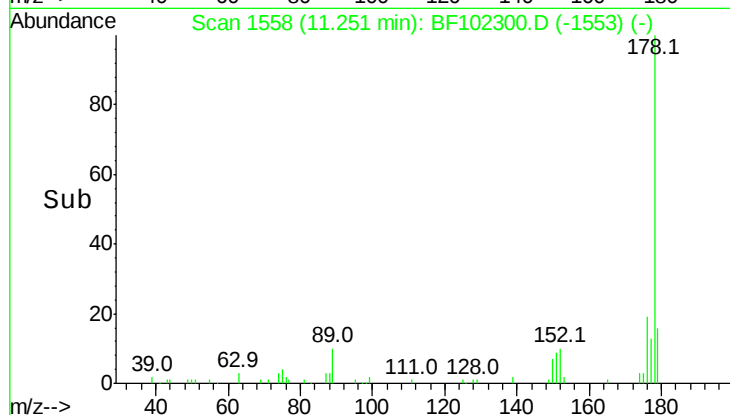




#70
Phenanthrene
Concen: 1.098 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

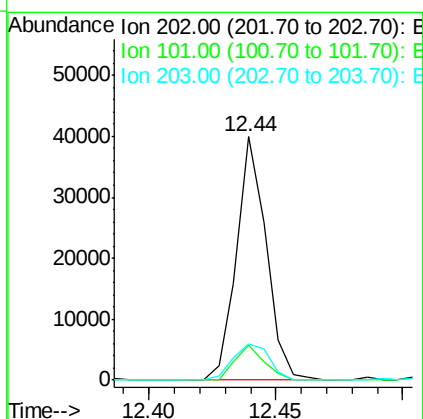
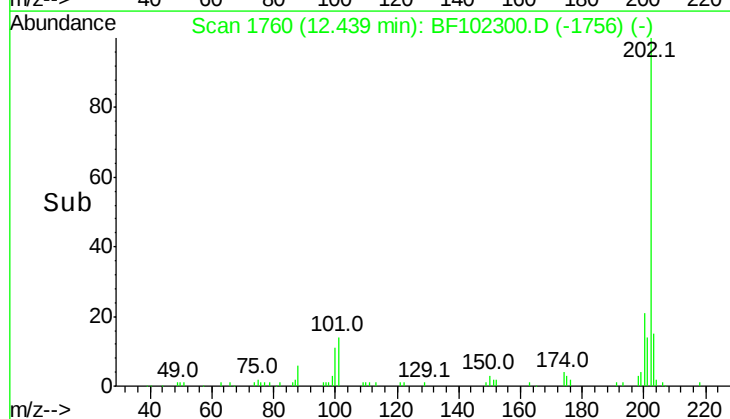
Instrument :
BNA_F
ClientSampleId :

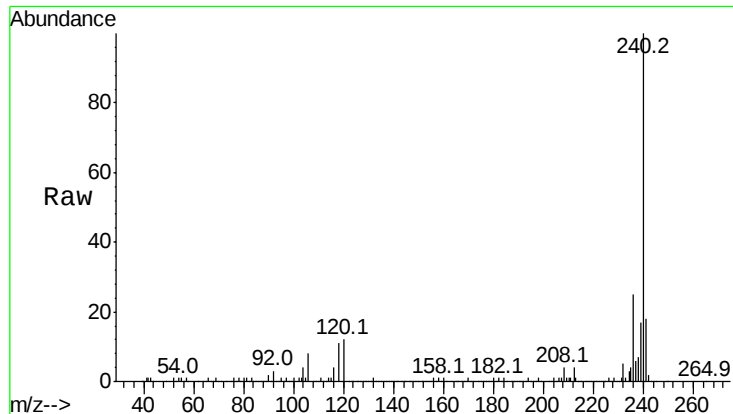
Tot Ion:	178	Resp:	28725
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.7	13.0	19.6



#74
Fluoranthene
Concen: 1.217 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF102300.D
Acq: 22 Jan 2018 15:36

Tgt Ion:	202	Resp:	32468
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	14.8	0.0	38.1

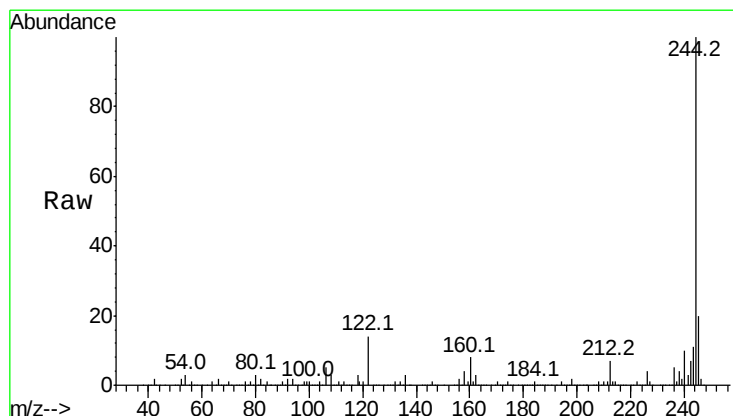
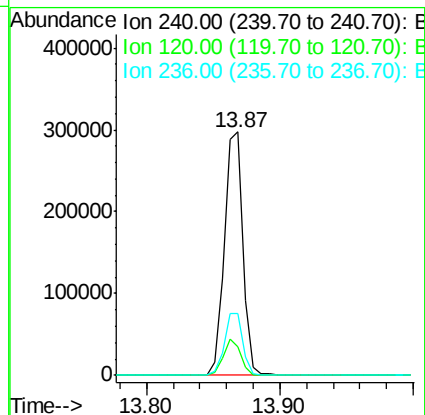
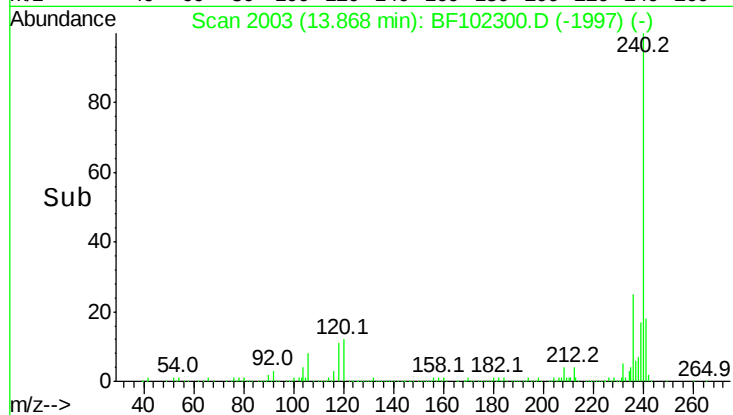




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

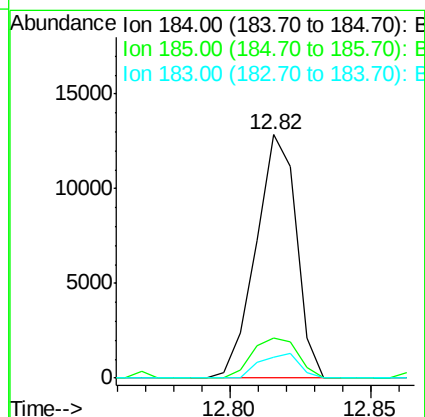
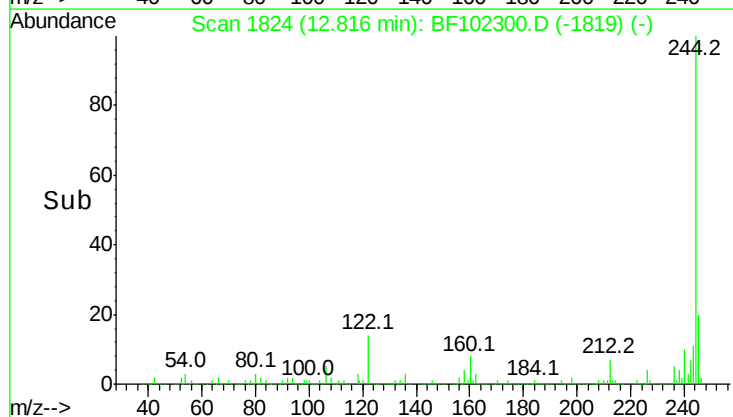
Instrument :
 BNA_F
 ClientSampleId :

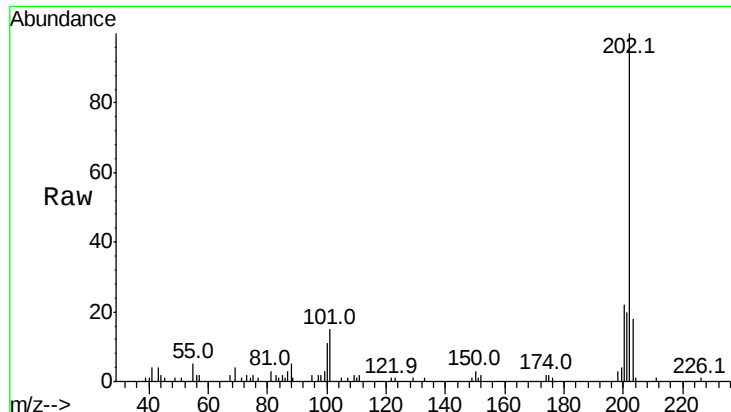
Tot Ion:240 Resp: 293786
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.5 14.3
 236 25.4 20.7 31.1



#76
 Benzidine
 Concen: 1.291 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.24 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

Tgt Ion:184 Resp: 12745
 Ion Ratio Lower Upper
 184 100
 185 16.3 12.6 18.8
 183 8.8 9.3 13.9#





#77

Pvrene

Concen: 1.421 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

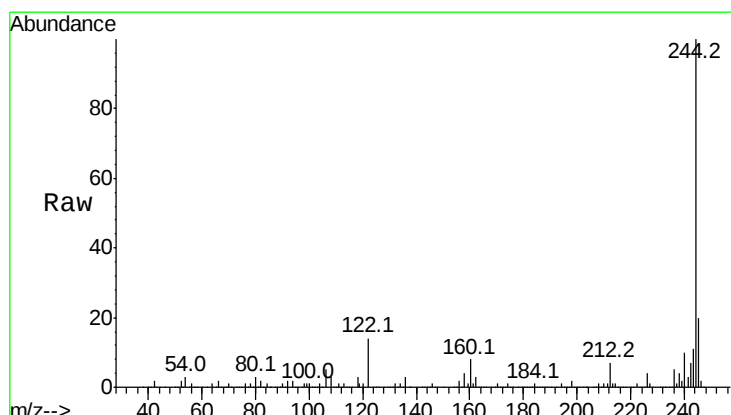
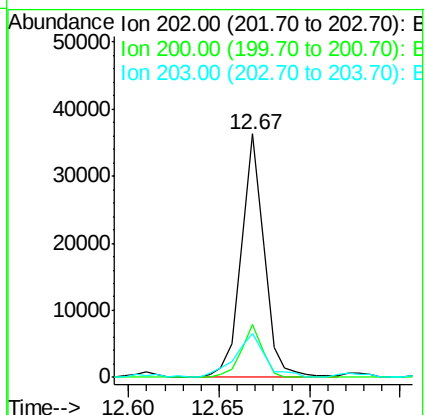
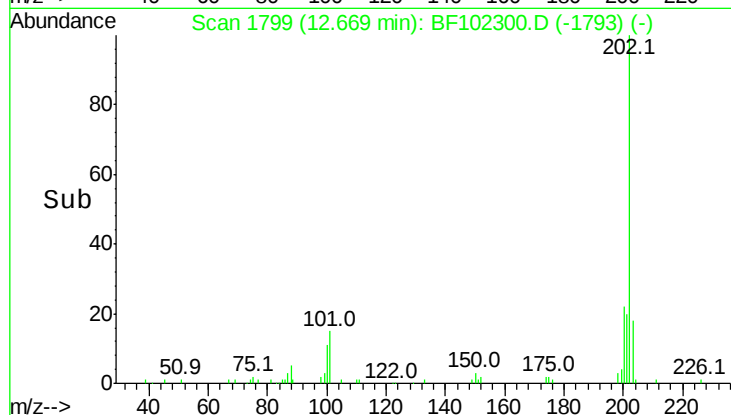
Tot Ion:202 Resp: 32277

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 18.1 14.3 21.5



#78

Terphenyl-d14

Concen: 75.385 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

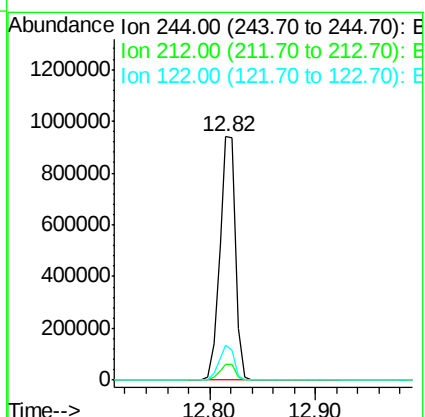
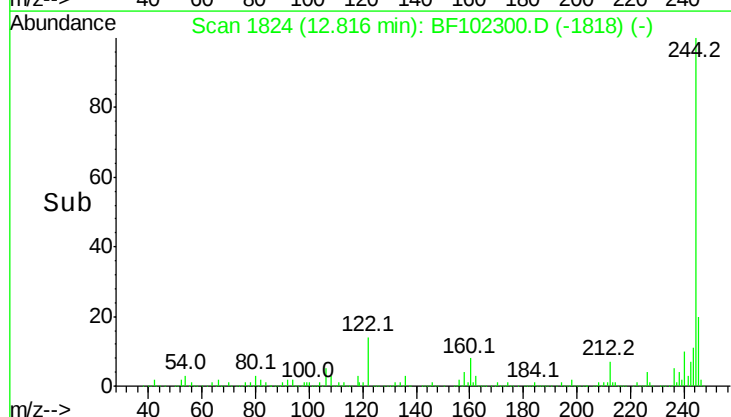
Tgt Ion:244 Resp: 982410

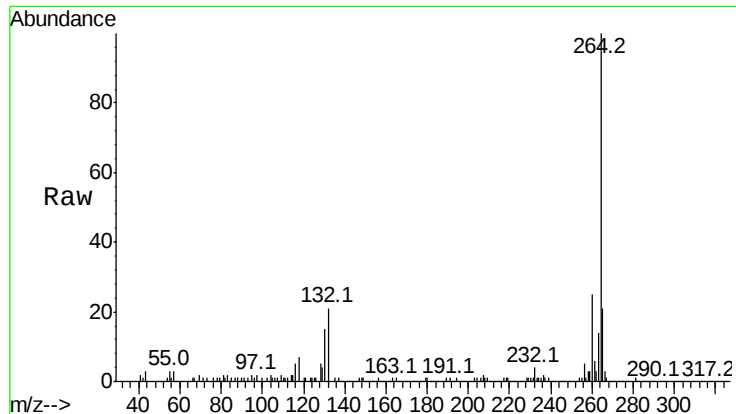
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 14.4 11.0 16.4

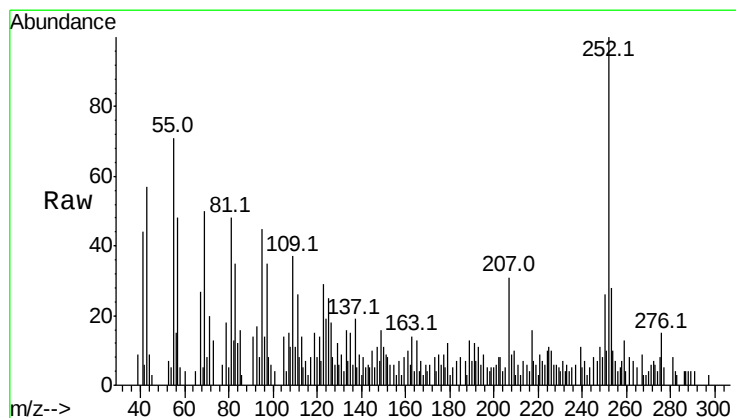
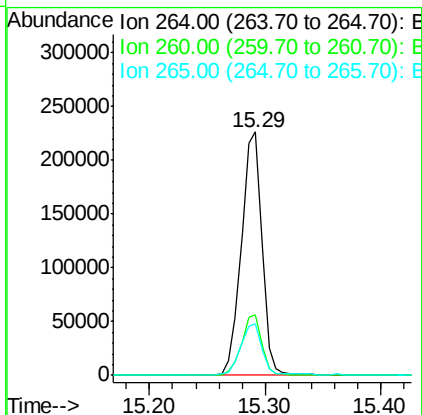
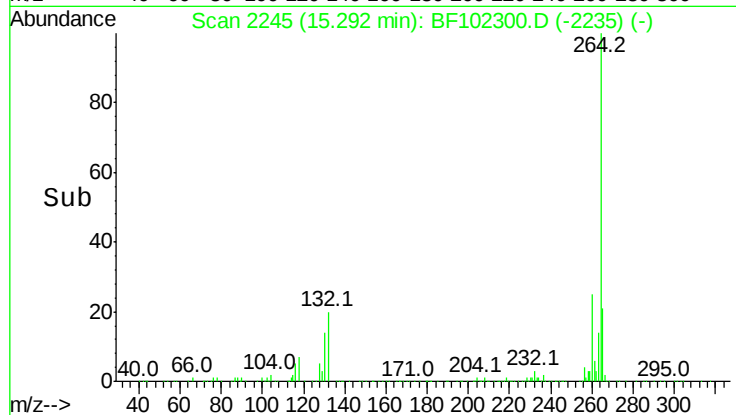




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

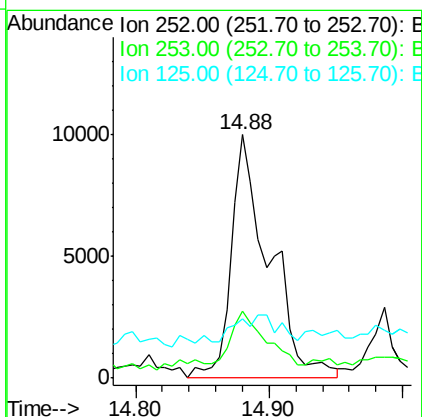
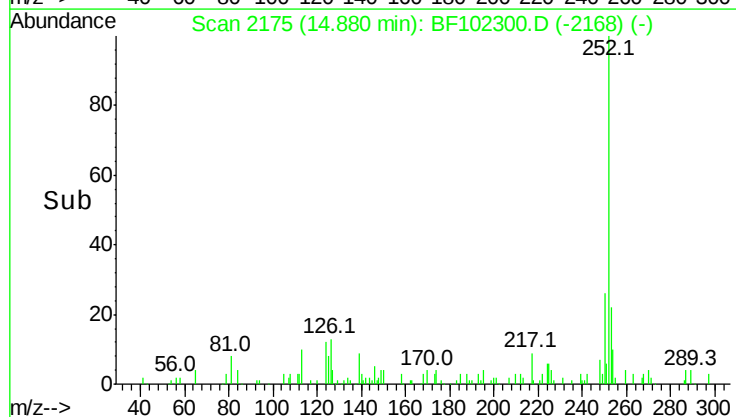
Instrument :
 BNA_F
 ClientSampleId :

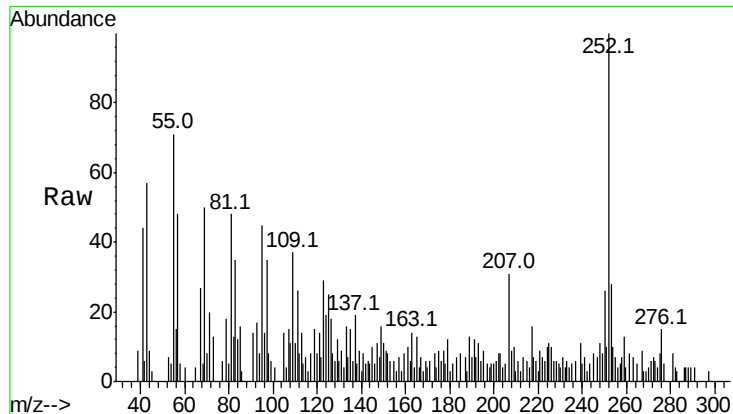
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.1	17.5	26.3



#87
 Benzo(b)fluoranthene
 Concen: 1.081 ng
 RT: 14.88 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: BF102300.D
 Acq: 22 Jan 2018 15:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.0	25.6#
125	24.6	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 1.144 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF102300.D

Acq: 22 Jan 2018 15:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 19775

Ion Ratio Lower Upper

252 100

253 27.7 17.9 26.9#

125 24.6 10.2 15.2#

